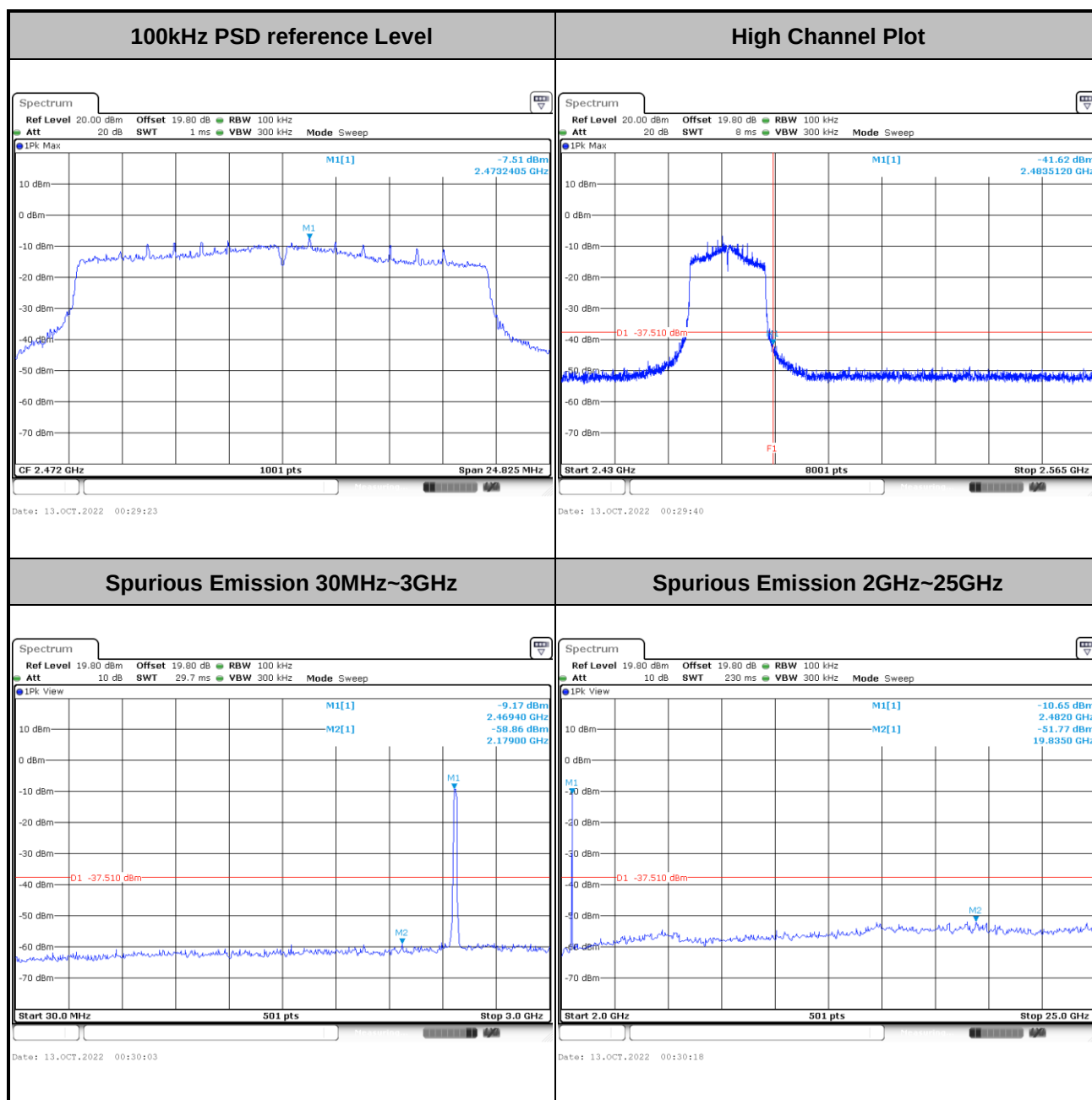




Test Mode :	802.11ax HE20	Test Channel :	13 Full Ru
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3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

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

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

3.5.2 Measuring Instruments

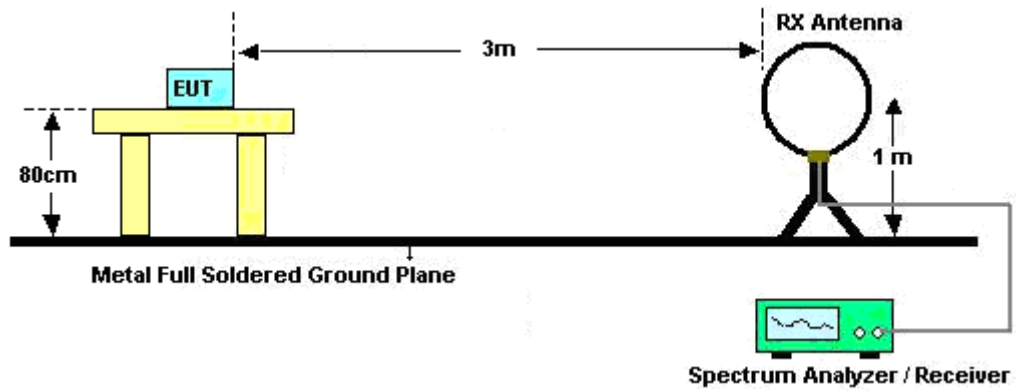
Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

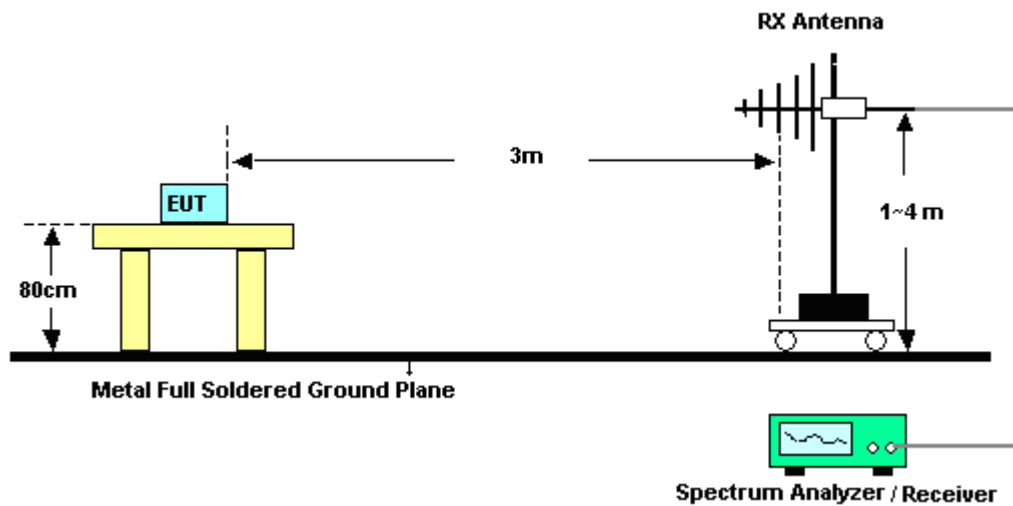
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements
2. The EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.
8. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW=100 kHz for $f < 1$ GHz; $VBW \geq RBW$; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW = 3 MHz for $f \geq 1$ GHz for peak measurement.For average measurement:
 - $VBW = 10$ Hz, when duty cycle is no less than 98 percent.
 - $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.5.4 Test Setup

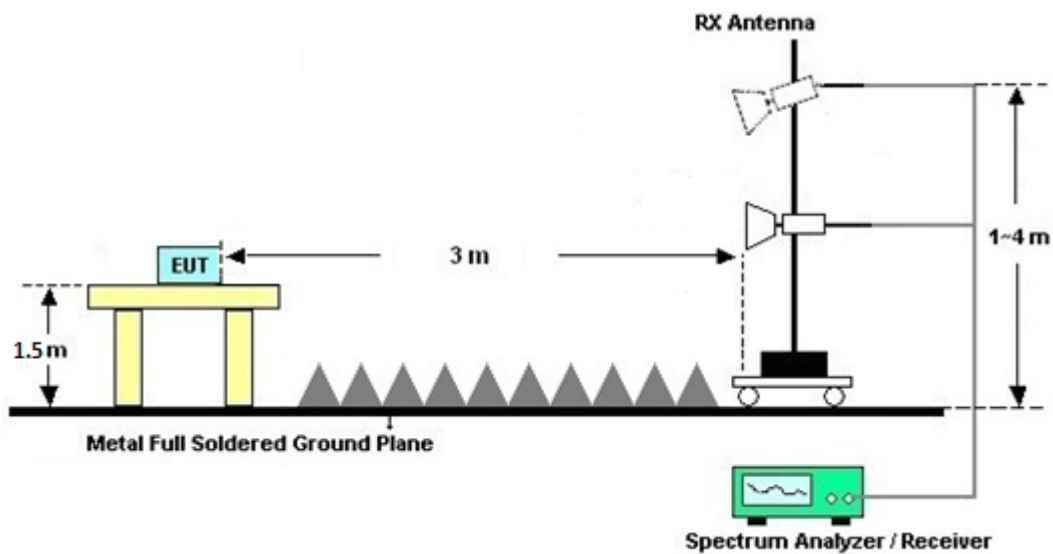
For radiated emissions below 30MHz



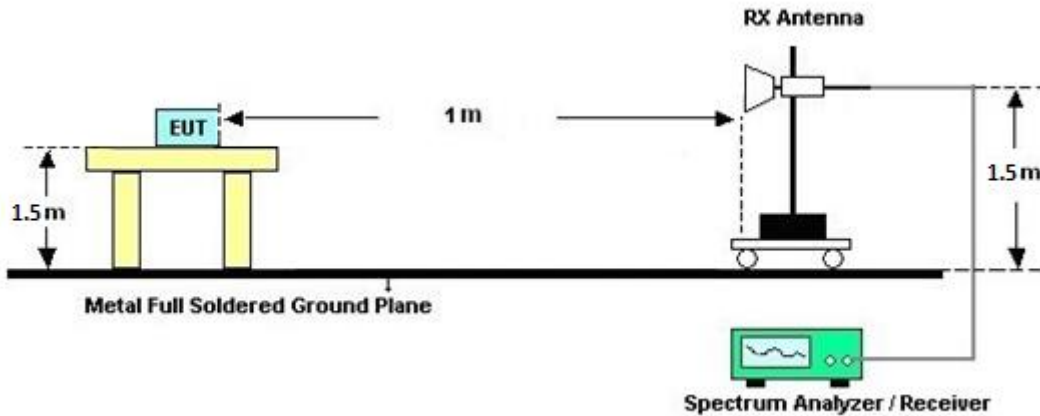
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result comes out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.5.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

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.

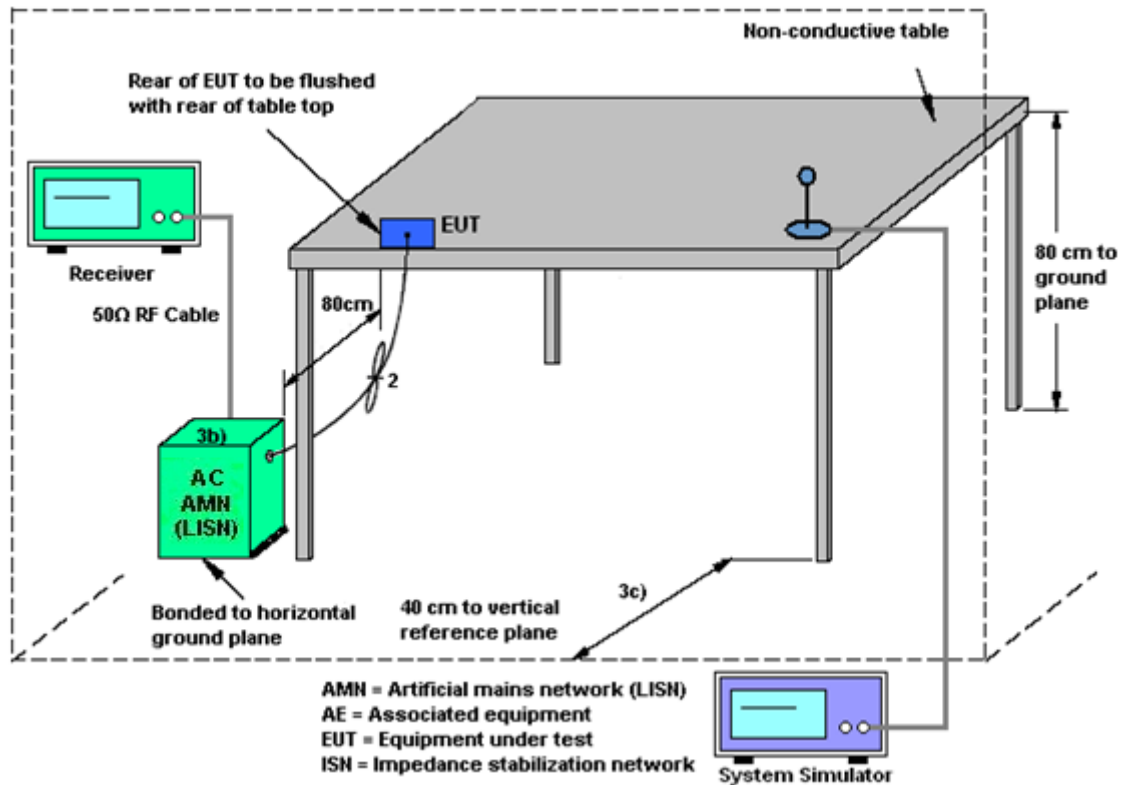
3.6.2 Measuring Instruments

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 = 9 kHz) 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

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.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 19, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Sep. 19, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Sep. 19, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2021	Sep. 19, 2022	Nov. 15, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Sep. 19, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	00691	N/A	Aug. 01, 2022	Sep. 19, 2022	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Sep. 19, 2022	Dec. 29, 2022	Conduction (CO05-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Mar. 18, 2022	Sep. 29, 2022~ Oct. 26, 2022	Mar. 17, 2023	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Sep. 29, 2022~ Oct. 26, 2022	Feb. 05, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2021	Sep. 29, 2022~ Oct. 26, 2022	Dec. 26, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2022	Sep. 29, 2022~ Oct. 26, 2022	Jun. 22, 2023	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00993	18GHz~40GHz	Nov. 30, 2021	Sep. 29, 2022~ Oct. 26, 2022	Nov. 29, 2022	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Sep. 01, 2022	Sep. 29, 2022~ Oct. 26, 2022	Aug. 31, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Dec. 16, 2021	Sep. 29, 2022~ Oct. 26, 2022	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060802	18-40GHz	Mar. 08, 2022	Sep. 29, 2022~ Oct. 26, 2022	Mar. 07, 2023	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Sep. 29, 2022~ Oct. 16, 2022	Oct. 20, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010	MY54200485	10Hz~44GHz	May 07, 2022	Sep. 29, 2022~ Oct. 26, 2022	May 06, 2023	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Sep. 29, 2022~ Oct. 26, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Sep. 29, 2022~ Oct. 26, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Sep. 29, 2022~ Oct. 26, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE, 508405/2E	30MHz~18G	Nov. 15, 2021	Sep. 29, 2022~ Oct. 26, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	30MHz-40GHz	Jan. 04, 2022	Sep. 29, 2022~ Oct. 26, 2022	Jan. 03, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Sep. 29, 2022~ Oct. 26, 2022	Mar. 09, 2023	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Sep. 15, 2022~ Oct. 13, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Sep. 15, 2022~ Oct. 13, 2022	Dec. 28, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz	Aug. 03, 2022	Sep. 15, 2022~ Oct. 13, 2022	Aug. 02, 2023	Conducted (TH05-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.10 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.30 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.20 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.40 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.60 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2022/9/15~2022/10/13	Relative Humidity:	51~54	%

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	19.70	19.60	22.66	30.00		0.80		23.46		36.00		Pass
11b	1Mbps	2	6	2437	19.60	20.00	22.81	30.00		0.80		23.61		36.00		Pass
11b	1Mbps	2	11	2462	19.90	20.00	22.96	30.00		0.80		23.76		36.00		Pass
11b	1Mbps	2	12	2467	16.80	17.40	20.12	30.00		0.80		20.92		36.00		Pass
11b	1Mbps	2	13	2472	15.00	16.10	18.60	30.00		0.80		19.40		36.00		Pass
11g	6Mbps	2	1	2412	17.90	17.90	20.91	30.00		0.80		21.71		36.00		Pass
11g	6Mbps	2	6	2437	19.80	20.00	22.91	30.00		0.80		23.71		36.00		Pass
11g	6Mbps	2	11	2462	19.80	20.00	22.91	30.00		0.80		23.71		36.00		Pass
11g	6Mbps	2	12	2467	13.00	13.40	16.21	30.00		0.80		17.01		36.00		Pass
11g	6Mbps	2	13	2472	-0.10	0.40	3.17	30.00		0.80		3.97		36.00		Pass
HT20	MCS0	2	1	2412	15.50	15.50	18.51	30.00		0.80		19.31		36.00		Pass
HT20	MCS0	2	6	2437	18.60	18.70	21.66	30.00		0.80		22.46		36.00		Pass
HT20	MCS0	2	11	2462	13.80	13.90	16.86	30.00		0.80		17.66		36.00		Pass
HT20	MCS0	2	12	2467	11.60	12.20	14.92	30.00		0.80		15.72		36.00		Pass
HT20	MCS0	2	13	2472	2.60	3.10	5.87	30.00		0.80		6.67		36.00		Pass
VHT20	MCS0	2	1	2412	15.60	15.60	18.61	30.00		0.80		19.41		36.00		Pass
VHT20	MCS0	2	6	2437	18.70	18.80	21.76	30.00		0.80		22.56		36.00		Pass
VHT20	MCS0	2	11	2462	13.90	14.00	16.96	30.00		0.80		17.76		36.00		Pass
VHT20	MCS0	2	12	2467	11.70	12.30	15.02	30.00		0.80		15.82		36.00		Pass
VHT20	MCS0	2	13	2472	2.70	3.20	5.97	30.00		0.80		6.77		36.00		Pass

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

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	13.64	13.74	8.10	8.10	0.50	Pass
11b	1Mbps	2	6	2437	13.64	13.94	8.12	8.14	0.50	Pass
11b	1Mbps	2	11	2462	13.59	13.64	8.56	8.10	0.50	Pass
11b	1Mbps	2	12	2467	13.19	13.74	8.08	8.12	0.50	Pass
11b	1Mbps	2	13	2472	13.39	13.69	7.60	8.06	0.50	Pass
11g	6Mbps	2	1	2412	16.78	16.98	15.14	15.14	0.50	Pass
11g	6Mbps	2	6	2437	16.78	17.13	15.16	14.46	0.50	Pass
11g	6Mbps	2	11	2462	16.83	16.98	13.26	15.52	0.50	Pass
11g	6Mbps	2	12	2467	16.58	17.08	15.12	16.06	0.50	Pass
11g	6Mbps	2	13	2472	17.03	16.83	15.38	15.12	0.50	Pass

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	-4.65	-4.73	-1.64	3.09		8.00		Pass
11b	1Mbps	2	6	2437	-4.88	-4.34	-1.33	3.09		8.00		Pass
11b	1Mbps	2	11	2462	-3.62	-3.50	-0.49	3.09		8.00		Pass
11b	1Mbps	2	12	2467	-7.17	-6.61	-3.60	3.09		8.00		Pass
11b	1Mbps	2	13	2472	-8.80	-7.96	-4.95	3.09		8.00		Pass
11g	6Mbps	2	1	2412	-8.40	-8.08	-5.07	3.09		8.00		Pass
11g	6Mbps	2	6	2437	-6.30	-4.41	-1.40	3.09		8.00		Pass
11g	6Mbps	2	11	2462	-5.07	-5.92	-2.06	3.09		8.00		Pass
11g	6Mbps	2	12	2467	-11.81	-11.92	-8.80	3.09		8.00		Pass
11g	6Mbps	2	13	2472	-25.89	-23.02	-20.01	3.09		8.00		Pass

Note: 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	15.70	15.70	18.71	30.00		0.80		19.51		36.00		Pass
HE20	MCS0	2	1	2412	26/0	8.90	8.50	11.71	30.00		0.80		12.51		36.00		Pass
HE20	MCS0	2	1	2412	52/37	11.30	10.70	14.02	30.00		0.80		14.82		36.00		Pass
HE20	MCS0	2	1	2412	106/53	14.60	13.80	17.23	30.00		0.80		18.03		36.00		Pass
HE20	MCS0	2	6	2437	Full	18.80	18.90	21.86	30.00		0.80		22.66		36.00		Pass
HE20	MCS0	2	6	2437	26/4	11.10	11.40	14.26	30.00		0.80		15.06		36.00		Pass
HE20	MCS0	2	6	2437	52/38	13.40	13.30	16.36	30.00		0.80		17.16		36.00		Pass
HE20	MCS0	2	6	2437	106/53	16.80	17.10	19.96	30.00		0.80		20.76		36.00		Pass
HE20	MCS0	2	11	2462	Full	14.00	14.10	17.06	30.00		0.80		17.86		36.00		Pass
HE20	MCS0	2	11	2462	26/8	7.30	6.70	10.02	30.00		0.80		10.82		36.00		Pass
HE20	MCS0	2	11	2462	52/40	9.70	8.90	12.33	30.00		0.80		13.13		36.00		Pass
HE20	MCS0	2	11	2462	106/54	12.80	12.20	15.52	30.00		0.80		16.32		36.00		Pass
HE20	MCS0	2	12	2467	Full	11.80	12.40	15.12	30.00		0.80		15.92		36.00		Pass
HE20	MCS0	2	12	2467	26/8	2.10	3.90	6.10	30.00		0.80		6.90		36.00		Pass
HE20	MCS0	2	12	2467	52/40	5.60	6.50	9.08	30.00		0.80		9.88		36.00		Pass
HE20	MCS0	2	12	2467	106/54	8.60	9.20	11.92	30.00		0.80		12.72		36.00		Pass
HE20	MCS0	2	13	2472	Full	2.80	3.30	6.07	30.00		0.80		6.87		36.00		Pass
HE20	MCS0	2	13	2472	26/8	-3.20	-3.00	-0.09	30.00		0.80		0.71		36.00		Pass
HE20	MCS0	2	13	2472	52/40	-0.90	-1.50	1.82	30.00		0.80		2.62		36.00		Pass
HE20	MCS0	2	13	2472	106/54	0.80	0.90	3.86	30.00		0.80		4.66		36.00		Pass

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

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band MIMO											
Mod.	Data Rate	NTx	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	19.23	19.28	14.48	14.88	0.50	Pass
HE20	MCS0	2	6	2437	Full	19.23	19.38	18.38	18.70	0.50	Pass
HE20	MCS0	2	11	2462	Full	19.28	19.38	15.65	16.05	0.50	Pass
HE20	MCS0	2	12	2467	Full	19.13	19.33	15.13	19.00	0.50	Pass
HE20	MCS0	2	13	2472	Full	19.38	19.18	18.30	16.55	0.50	Pass

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	-8.30	-9.00	-5.29	3.09		8.00		Pass
HE20	MCS0	2	1	2412	26/0	-8.57	-9.14	-5.56	3.09		8.00		Pass
HE20	MCS0	2	1	2412	52/37	-8.73	-9.26	-5.72	3.09		8.00		Pass
HE20	MCS0	2	1	2412	106/53	-8.50	-9.12	-5.49	3.09		8.00		Pass
HE20	MCS0	2	6	2437	Full	-6.88	-6.31	-3.30	3.09		8.00		Pass
HE20	MCS0	2	6	2437	26/4	-7.14	-6.73	-3.72	3.09		8.00		Pass
HE20	MCS0	2	6	2437	52/38	-6.78	-6.74	-3.73	3.09		8.00		Pass
HE20	MCS0	2	6	2437	106/53	-6.80	-6.54	-3.53	3.09		8.00		Pass
HE20	MCS0	2	11	2462	Full	-9.99	-9.71	-6.70	3.09		8.00		Pass
HE20	MCS0	2	11	2462	26/8	-9.73	-9.96	-6.72	3.09		8.00		Pass
HE20	MCS0	2	11	2462	52/40	-10.18	-10.27	-7.17	3.09		8.00		Pass
HE20	MCS0	2	11	2462	106/54	-10.15	-10.13	-7.12	3.09		8.00		Pass
HE20	MCS0	2	12	2467	Full	-13.68	-13.03	-10.02	3.09		8.00		Pass
HE20	MCS0	2	12	2467	26/8	-15.68	-13.21	-10.20	3.09		8.00		Pass
HE20	MCS0	2	12	2467	52/40	-14.43	-13.21	-10.20	3.09		8.00		Pass
HE20	MCS0	2	12	2467	106/54	-14.09	-13.17	-10.16	3.09		8.00		Pass
HE20	MCS0	2	13	2472	Full	-21.86	-20.83	-17.82	3.09		8.00		Pass
HE20	MCS0	2	13	2472	26/8	-20.94	-20.90	-17.89	3.09		8.00		Pass
HE20	MCS0	2	13	2472	52/40	-21.04	-21.49	-18.03	3.09		8.00		Pass
HE20	MCS0	2	13	2472	106/54	-22.07	-21.20	-18.19	3.09		8.00		Pass

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



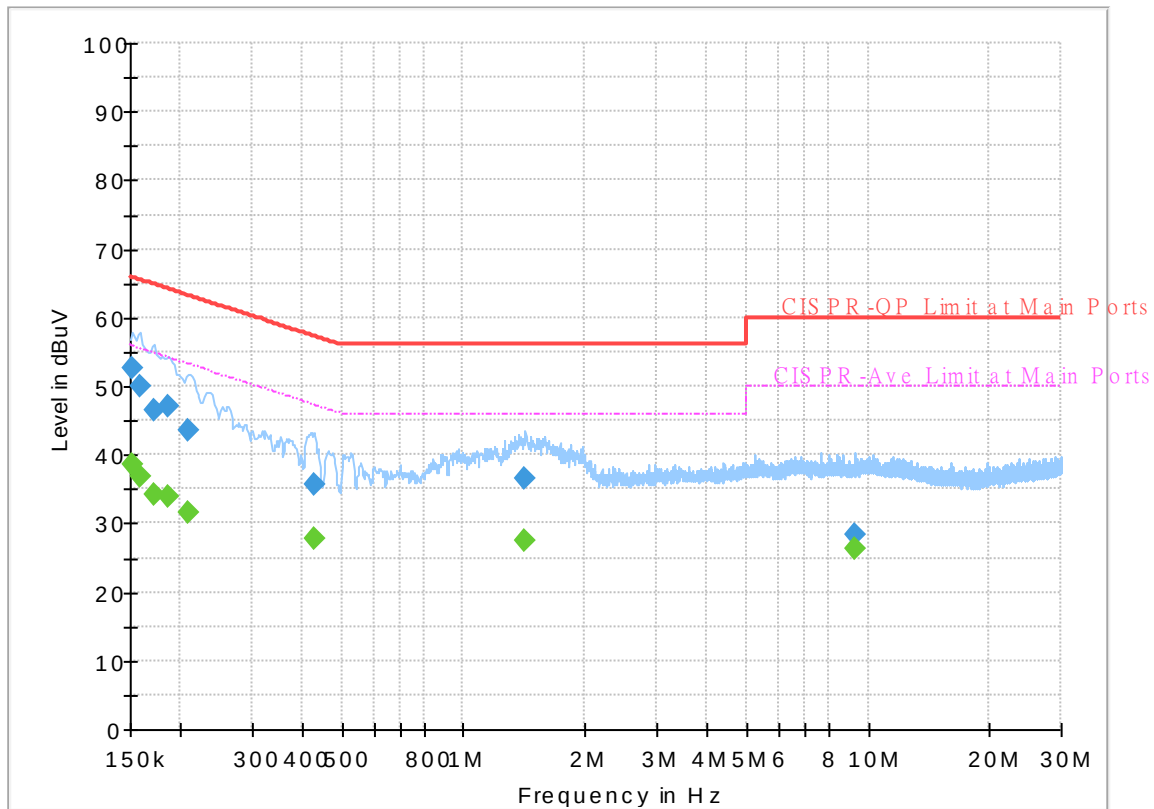
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 241215-02
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



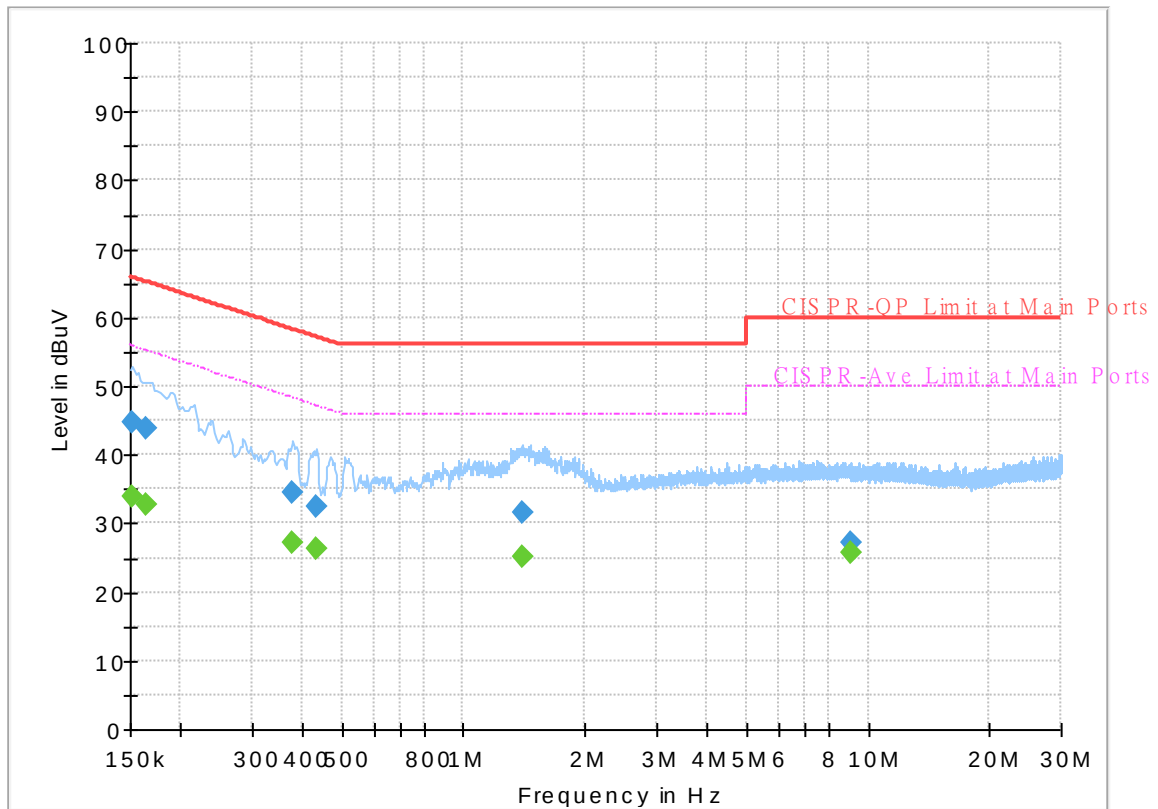
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	38.71	55.88	17.17	L1	OFF	19.8
0.152250	52.56	---	65.88	13.32	L1	OFF	19.8
0.159000	---	36.73	55.52	18.79	L1	OFF	19.8
0.159000	49.88	---	65.52	15.64	L1	OFF	19.8
0.172500	---	34.25	54.84	20.59	L1	OFF	19.8
0.172500	46.49	---	64.84	18.35	L1	OFF	19.8
0.186000	---	33.79	54.21	20.42	L1	OFF	19.8
0.186000	47.18	---	64.21	17.03	L1	OFF	19.8
0.208500	---	31.71	53.27	21.56	L1	OFF	19.8
0.208500	43.70	---	63.27	19.57	L1	OFF	19.8
0.426750	---	27.84	47.32	19.48	L1	OFF	19.8
0.426750	35.62	---	57.32	21.70	L1	OFF	19.8
1.423500	---	27.38	46.00	18.62	L1	OFF	19.9
1.423500	36.47	---	56.00	19.53	L1	OFF	19.9
9.262500	---	26.34	50.00	23.66	L1	OFF	20.2
9.262500	28.35	---	60.00	31.65	L1	OFF	20.2

EUT Information

Report NO : 241215-02
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	---	34.05	55.88	21.83	N	OFF	19.8
0.152250	44.75	---	65.88	21.13	N	OFF	19.8
0.163500	---	32.78	55.28	22.50	N	OFF	19.8
0.163500	44.00	---	65.28	21.28	N	OFF	19.8
0.379500	---	27.24	48.29	21.05	N	OFF	19.8
0.379500	34.51	---	58.29	23.78	N	OFF	19.8
0.433500	---	26.22	47.19	20.97	N	OFF	19.8
0.433500	32.57	---	57.19	24.62	N	OFF	19.8
1.405500	---	25.06	46.00	20.94	N	OFF	19.9
1.405500	31.44	---	56.00	24.56	N	OFF	19.9
9.039750	---	25.80	50.00	24.20	N	OFF	20.2
9.039750	27.11	---	60.00	32.89	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Bigshow Wang and Quentin Liu	Temperature :	21.1~23.1°C
		Relative Humidity :	49~58%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2388.645	54.98	-19.02	74	48.5	27.31	16.03	36.86	353	224	P	H
		2388.96	48.96	-5.04	54	42.48	27.31	16.03	36.86	353	224	A	H
	*	2412	106.02	-	-	99.34	27.47	16.07	36.86	353	224	P	H
	*	2412	102.92	-	-	96.24	27.47	16.07	36.86	353	224	A	H
													H
													H
		2389.065	56.79	-17.21	74	50.31	27.31	16.03	36.86	129	275	P	V
		2388.96	51.47	-2.53	54	44.99	27.31	16.03	36.86	129	275	A	V
	*	2412	112.99	-	-	106.31	27.47	16.07	36.86	129	275	P	V
	*	2412	110.03	-	-	103.35	27.47	16.07	36.86	129	275	A	V
													V
													V
802.11b CH 06 2437MHz		2389.2	51.99	-22.01	74	45.51	27.31	16.03	36.86	350	218	P	H
		2390	43.78	-10.22	54	37.29	27.32	16.03	36.86	350	218	A	H
	*	2437	104.34	-	-	97.47	27.62	16.11	36.86	350	218	P	H
	*	2437	101.3	-	-	94.43	27.62	16.11	36.86	350	218	A	H
		2485.24	51.95	-22.05	74	44.78	27.84	16.18	36.85	350	218	P	H
		2485.78	43.09	-10.91	54	35.92	27.84	16.18	36.85	350	218	A	H
		2389.68	53.72	-20.28	74	47.23	27.32	16.03	36.86	130	269	P	V
		2390	46.91	-7.09	54	40.42	27.32	16.03	36.86	130	269	A	V
	*	2437	113.46	-	-	106.59	27.62	16.11	36.86	130	269	P	V
	*	2437	110.42	-	-	103.55	27.62	16.11	36.86	130	269	A	V
		2485.06	52.19	-21.81	74	45.02	27.84	16.18	36.85	130	269	P	V
		2484.97	43.16	-10.84	54	35.99	27.84	16.18	36.85	130	269	A	V



802.11b CH 11 2462MHz	*	2462	101.6	-	-	94.55	27.75	16.15	36.85	359	230	P	H
	*	2462	98.55	-	-	91.5	27.75	16.15	36.85	359	230	A	H
		2484.12	55.19	-18.81	74	48.02	27.84	16.18	36.85	359	230	P	H
		2483.52	47.69	-6.31	54	40.53	27.83	16.18	36.85	359	230	A	H
													H
													H
	*	2462	113.4	-	-	106.35	27.75	16.15	36.85	136	272	P	V
	*	2462	110.31	-	-	103.26	27.75	16.15	36.85	136	272	A	V
		2483.52	56.11	-17.89	74	48.95	27.83	16.18	36.85	136	272	P	V
		2483.52	50.15	-3.85	54	42.99	27.83	16.18	36.85	136	272	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)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 12 2467MHz	*	2467	89.81	-	-	82.74	27.77	16.15	36.85	312	228	P	H
	*	2467	86.64	-	-	79.57	27.77	16.15	36.85	312	228	A	H
		2483.64	55.45	-18.55	74	48.29	27.83	16.18	36.85	312	228	P	H
		2483.52	48.07	-5.93	54	40.91	27.83	16.18	36.85	312	228	A	H
													H
													H
	*	2467	108.07	-	-	101	27.77	16.15	36.85	149	235	P	V
	*	2467	104.97	-	-	97.9	27.77	16.15	36.85	149	235	A	V
		2484.48	56.09	-17.91	74	48.92	27.84	16.18	36.85	149	235	P	V
		2484.24	49.2	-4.8	54	42.03	27.84	16.18	36.85	149	235	A	V
													V
													V
802.11b CH 13 2472MHz	*	2472	100.69	-	-	93.59	27.79	16.16	36.85	357	227	P	H
	*	2472	97.6	-	-	90.5	27.79	16.16	36.85	357	227	A	H
		2483.52	64.39	-9.61	74	57.23	27.83	16.18	36.85	357	227	P	H
		2485.72	49.74	-4.26	54	42.57	27.84	16.18	36.85	357	227	A	H
													H
													H
	*	2472	108.6	-	-	101.5	27.79	16.16	36.85	100	306	P	V
	*	2472	105.38	-	-	98.28	27.79	16.16	36.85	100	306	A	V
		2483.52	67.51	-6.49	74	60.35	27.83	16.18	36.85	100	306	P	V
		2483.56	52.42	-1.58	54	45.26	27.83	16.18	36.85	100	306	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)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	45.66	-28.34	74	64.52	32.44	9.41	60.71	255	1	P	H
		4824	40.28	-13.72	54	59.14	32.44	9.41	60.71	255	1	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4824	41.52	-32.48	74	60.38	32.44	9.41	60.71	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 06 2437MHz		4874	45.91	-28.09	74	64.62	32.6	9.4	60.71	247	3	P	H
		4874	41.4	-12.6	54	60.11	32.6	9.4	60.71	247	3	A	H
		7311	51.5	-22.5	74	64.91	36.66	10.85	60.92	348	353	P	H
		7311	46.86	-7.14	54	60.27	36.66	10.85	60.92	348	353	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		4874	41.99	-32.01	74	60.7	32.6	9.4	60.71	-	-	P	V
		7311	48.51	-25.49	74	61.92	36.66	10.85	60.92	360	28	P	V
		7311	42.75	-11.25	54	56.16	36.66	10.85	60.92	360	28	A	V
													V
													V
													V
													V
													V
													V
													V

[illegible]



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 12 2467MHz		4934	41.62	-32.38	74	60.16	32.8	9.38	60.72	-	-	P	H
		7401	49.17	-24.83	74	62.7	36.5	10.93	60.96	240	14	P	H
		7401	43.88	-10.12	54	57.41	36.5	10.93	60.96	240	14	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4934	40.5	-33.5	74	59.04	32.8	9.38	60.72	-	-	P	V
		7401	46.95	-27.05	74	60.48	36.5	10.93	60.96	398	332	P	V
		7401	41.6	-12.4	54	55.13	36.5	10.93	60.96	398	332	A	V
													V
													V
													V
													V
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													V
													V
													V

[illegible]



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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.856	62.54	-11.46	74	56.05	27.32	16.03	36.86	349	312	P	H
		2389.968	51.7	-2.3	54	45.21	27.32	16.03	36.86	349	312	A	H
	*	2412	112.39	-	-	105.71	27.47	16.07	36.86	349	312	P	H
	*	2412	104.75	-	-	98.07	27.47	16.07	36.86	349	312	A	H
													H
													H
		2389.52	62.55	-11.45	74	56.06	27.32	16.03	36.86	250	96	P	V
		2389.856	51.53	-2.47	54	45.04	27.32	16.03	36.86	250	96	A	V
	*	2412	113.6	-	-	106.92	27.47	16.07	36.86	250	96	P	V
	*	2412	105.73	-	-	99.05	27.47	16.07	36.86	250	96	A	V
													V
													V
802.11g CH 06 2437MHz		2389.84	56.93	-17.07	74	50.44	27.32	16.03	36.86	378	318	P	H
		2390	46.08	-7.92	54	39.59	27.32	16.03	36.86	378	318	A	H
	*	2437	114.86	-	-	107.99	27.62	16.11	36.86	378	318	P	H
	*	2437	107.72	-	-	100.85	27.62	16.11	36.86	378	318	A	H
		2486.95	53.9	-20.1	74	46.72	27.85	16.18	36.85	378	318	P	H
		2483.53	44.45	-9.55	54	37.29	27.83	16.18	36.85	378	318	A	H
		2389.52	57.06	-16.94	74	50.57	27.32	16.03	36.86	296	96	P	V
		2390	46.7	-7.3	54	40.21	27.32	16.03	36.86	296	96	A	V
	*	2437	115.19	-	-	108.32	27.62	16.11	36.86	296	96	P	V
	*	2437	107.97	-	-	101.1	27.62	16.11	36.86	296	96	A	V
		2484.97	54.68	-19.32	74	47.51	27.84	16.18	36.85	296	96	P	V
		2486.23	44.43	-9.57	54	37.26	27.84	16.18	36.85	296	96	A	V



802.11g CH 11 2462MHz	*	2462	109.93	-	-	102.88	27.75	16.15	36.85	322	317	P	H
	*	2462	102.62	-	-	95.57	27.75	16.15	36.85	322	317	A	H
		2483.5	63.68	-10.32	74	56.52	27.83	16.18	36.85	322	317	P	H
		2483.5	52.43	-1.57	54	45.27	27.83	16.18	36.85	322	317	A	H
													H
													H
	*	2462	112.16	-	-	105.11	27.75	16.15	36.85	175	261	P	V
	*	2462	104.83	-	-	97.78	27.75	16.15	36.85	175	261	A	V
		2484.25	63.61	-10.39	74	56.44	27.84	16.18	36.85	175	261	P	V
		2484.2	51.83	-2.17	54	44.66	27.84	16.18	36.85	175	261	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)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 12 2467MHz	*	2467	107.34	-	-	100.27	27.77	16.15	36.85	359	330	P	H
	*	2467	99.47	-	-	92.4	27.77	16.15	36.85	359	330	A	H
		2483.8	62.87	-11.13	74	55.7	27.84	16.18	36.85	359	330	P	H
		2483.7	51.03	-2.97	54	43.87	27.83	16.18	36.85	359	330	A	H
													H
													H
	*	2467	109.25	-	-	102.18	27.77	16.15	36.85	174	274	P	V
	*	2467	102.23	-	-	95.16	27.77	16.15	36.85	174	274	A	V
		2484.95	62.08	-11.92	74	54.91	27.84	16.18	36.85	174	274	P	V
		2484.75	51.47	-2.53	54	44.3	27.84	16.18	36.85	174	274	A	V
													V
													V
802.11g CH 13 2472MHz	*	2472	94.48	-	-	87.38	27.79	16.16	36.85	100	218	P	H
	*	2472	87.02	-	-	79.92	27.79	16.16	36.85	100	218	A	H
		2483.6	62.86	-11.14	74	55.7	27.83	16.18	36.85	100	218	P	H
		2483.5	50.2	-3.8	54	43.04	27.83	16.18	36.85	100	218	A	H
													H
													H
	*	2472	95.79	-	-	88.69	27.79	16.16	36.85	294	89	P	V
	*	2472	87.99	-	-	80.89	27.79	16.16	36.85	294	89	A	V
		2483.7	61.47	-12.53	74	54.31	27.83	16.18	36.85	294	89	P	V
		2483.5	50.87	-3.13	54	43.71	27.83	16.18	36.85	294	89	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)

[illegible]



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 06 2437MHz		4874	44.89	-29.11	74	63.6	32.6	9.4	60.71	100	7	P	H
		4874	36.3	-17.7	54	55.01	32.6	9.4	60.71	100	7	A	H
		7311	59.05	-14.95	74	72.46	36.66	10.85	60.92	359	353	P	H
		7311	46.26	-7.74	54	59.67	36.66	10.85	60.92	359	353	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		4874	39.89	-34.11	74	58.6	32.6	9.4	60.71	-	-	P	V
		7311	50.41	-23.59	74	63.82	36.66	10.85	60.92	238	307	P	V
		7311	41.15	-12.85	54	54.56	36.66	10.85	60.92	238	307	A	V
													V
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[illegible]



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 12 2467MHz		4934	39.81	-34.19	74	58.35	32.8	9.38	60.72	-	-	P	H
		7401	42.33	-31.67	74	55.86	36.5	10.93	60.96	-	-	P	H
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													H
		4934	39.91	-34.09	74	58.45	32.8	9.38	60.72	-	-	P	V
		7401	41.8	-32.2	74	55.33	36.5	10.93	60.96	-	-	P	V
													V
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[illegible]



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 01 2412MHz		2389.52	58.71	-15.29	74	52.22	27.32	16.03	36.86	306	220	P	H
		2389.968	48.11	-5.89	54	41.62	27.32	16.03	36.86	306	220	A	H
	*	2412	111.92	-	-	105.24	27.47	16.07	36.86	306	220	P	H
	*	2412	101.59	-	-	94.91	27.47	16.07	36.86	306	220	A	H
													H
													H
		2389.856	59.09	-14.91	74	52.6	27.32	16.03	36.86	167	272	P	V
		2389.968	49.2	-4.8	54	42.71	27.32	16.03	36.86	167	272	A	V
	*	2412	115.48	-	-	108.8	27.47	16.07	36.86	167	272	P	V
	*	2412	104.79	-	-	98.11	27.47	16.07	36.86	167	272	A	V
													V
													V
802.11ax HE20 Full CH 06 2437MHz		2390	58.7	-15.3	74	52.21	27.32	16.03	36.86	100	225	P	H
		2390	47.19	-6.81	54	40.7	27.32	16.03	36.86	100	225	A	H
	*	2437	114.12	-	-	107.25	27.62	16.11	36.86	100	225	P	H
	*	2437	106.09	-	-	99.22	27.62	16.11	36.86	100	225	A	H
		2484.52	57.3	-16.7	74	50.13	27.84	16.18	36.85	100	225	P	H
		2483.8	45.54	-8.46	54	38.37	27.84	16.18	36.85	100	225	A	H
		2389.866	57.24	-16.76	74	50.75	27.32	16.03	36.86	300	132	P	V
		2390	46.83	-7.17	54	40.34	27.32	16.03	36.86	300	132	A	V
	*	2437	115.46	-	-	108.59	27.62	16.11	36.86	300	132	P	V
	*	2437	107.61	-	-	100.74	27.62	16.11	36.86	300	132	A	V
		2484.25	56.59	-17.41	74	49.42	27.84	16.18	36.85	300	132	P	V
		2483.89	44.61	-9.39	54	37.44	27.84	16.18	36.85	300	132	A	V



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 11 2462MHz	*	2462	109.42	-	-	102.37	27.75	16.15	36.85	200	323	P	H
	*	2462	99.32	-	-	92.27	27.75	16.15	36.85	200	323	A	H
		2483.7	65.15	-8.85	74	57.99	27.83	16.18	36.85	200	323	P	H
		2483.5	52.18	-1.82	54	45.02	27.83	16.18	36.85	200	323	A	H
													H
													H
	*	2462	112.77	-	-	105.72	27.75	16.15	36.85	100	261	P	V
	*	2462	103.51	-	-	96.46	27.75	16.15	36.85	100	261	A	V
		2484.7	64.38	-9.62	74	57.21	27.84	16.18	36.85	100	261	P	V
		2485.45	50.63	-3.37	54	43.46	27.84	16.18	36.85	100	261	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)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 12 2467MHz	*	2467	106.7	-	-	99.63	27.77	16.15	36.85	367	322	P	H
	*	2467	97.38	-	-	90.31	27.77	16.15	36.85	367	322	A	H
		2483.95	60.52	-13.48	74	53.35	27.84	16.18	36.85	367	322	P	H
		2483.5	49.03	-4.97	54	41.87	27.83	16.18	36.85	367	322	A	H
													H
													H
	*	2467	110.1	-	-	103.03	27.77	16.15	36.85	178	270	P	V
	*	2467	101.48	-	-	94.41	27.77	16.15	36.85	178	270	A	V
		2483.9	64.29	-9.71	74	57.12	27.84	16.18	36.85	178	270	P	V
		2483.5	51.95	-2.05	54	44.79	27.83	16.18	36.85	178	270	A	V
													V
													V
802.11ax HE20 Full CH 13 2472MHz	*	2472	97.24	-	-	90.14	27.79	16.16	36.85	355	306	P	H
	*	2472	87.98	-	-	80.88	27.79	16.16	36.85	355	306	A	H
		2483.6	65.83	-8.17	74	58.67	27.83	16.18	36.85	355	306	P	H
		2483.5	52	-2	54	44.84	27.83	16.18	36.85	355	306	A	H
													H
													H
	*	2472	101.43	-	-	94.33	27.79	16.16	36.85	144	271	P	V
	*	2472	91.83	-	-	84.73	27.79	16.16	36.85	144	271	A	V
		2483.65	67.2	-6.8	74	60.04	27.83	16.18	36.85	144	271	P	V
		2483.5	52.13	-1.87	54	44.97	27.83	16.18	36.85	144	271	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 06 2437MHz		4874	40.79	-33.21	74	59.5	32.6	9.4	60.71	-	-	P	H
		7311	59.38	-14.62	74	72.79	36.66	10.85	60.92	285	356	P	H
		7311	45.28	-8.72	54	58.69	36.66	10.85	60.92	285	356	A	H
													H
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													H
		4874	39.75	-34.25	74	58.46	32.6	9.4	60.71	-	-	P	V
		7311	53.32	-20.68	74	66.73	36.66	10.85	60.92	238	307	P	V
		7311	42.6	-11.4	54	56.01	36.66	10.85	60.92	238	307	A	V
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802.11ax HE20 Full CH 11 2462MHz		4924	39.38	-34.62	74	57.98	32.74	9.38	60.72	-	-	P	H
		7386	44.13	-29.87	74	57.67	36.5	10.91	60.95	-	-	P	H
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WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 12 2467MHz		4934	39.43	-34.57	74	57.97	32.8	9.38	60.72	-	-	P	H
		7401	43.39	-30.61	74	56.92	36.5	10.93	60.96	-	-	P	H
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		4934	39.54	-34.46	74	58.08	32.8	9.38	60.72	-	-	P	V
		7401	42.86	-31.14	74	56.39	36.5	10.93	60.96	-	-	P	V
													V
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[illegible]

Emission above 18GHz

2.4GHz WIFI 802.11g (SHF)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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 SHF		39824	48.98	-25.02	74	60.66	44.5	-0.2	55.98	-	-	P	H
		39824	39.01	-14.99	54	50.69	44.5	-0.2	55.98	-	-	A	H
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Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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		51.34	31.94	-8.06	40	50.01	13.6	0.9	32.57	-	-	P	H
		165.8	28.12	-15.38	43.5	43.01	15.94	1.63	32.46	-	-	P	H
		421.88	23.13	-22.87	46	30.73	22.42	2.43	32.45	-	-	P	H
		634.31	26.99	-19.01	46	30.29	26.11	3.08	32.49	-	-	P	H
		718.7	34.47	-11.53	46	36.86	26.74	3.23	32.36	-	-	P	H
		896.21	39.67	-6.33	46	38.77	28.76	3.68	31.54	-	-	P	H
													H
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													H
		30.97	33.65	-6.35	40	41.45	24.01	0.67	32.48	-	-	P	V
		93.05	24.77	-18.73	43.5	41.17	14.86	1.2	32.46	-	-	P	V
		416.06	22.77	-23.23	46	30.63	22.19	2.41	32.46	-	-	P	V
		579.02	26.95	-19.05	46	30.79	25.73	2.94	32.51	-	-	P	V
		721.61	39.51	-6.49	46	41.75	26.87	3.24	32.35	-	-	P	V
		896.21	38.17	-7.83	46	37.27	28.76	3.68	31.54	-	-	P	V
													V
													V
													V
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													V
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is 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	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
2412MHz													

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Margin (dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Margin (dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

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



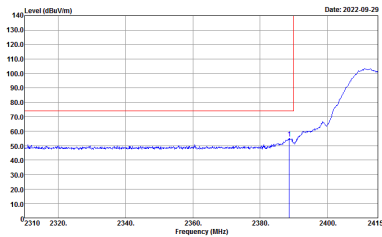
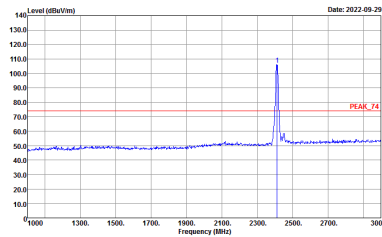
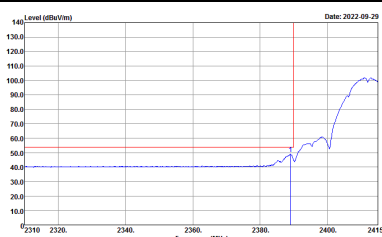
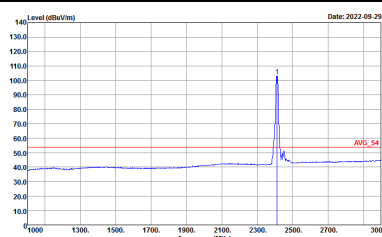
Appendix D. Radiated Spurious Emission Plots

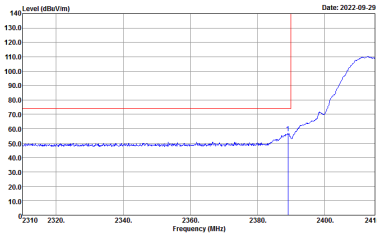
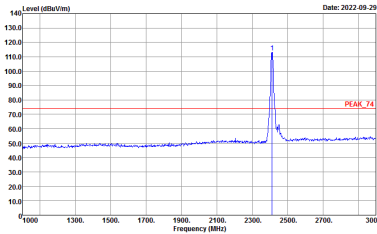
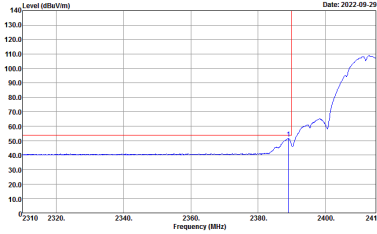
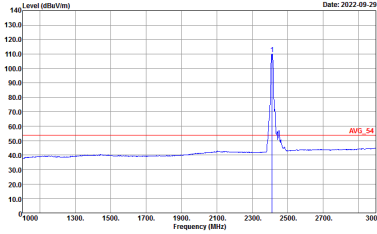
Test Engineer :	Bigshow Wang and Quentin Liu	Temperature :	21.1~23.1°C
		Relative Humidity :	49~58%

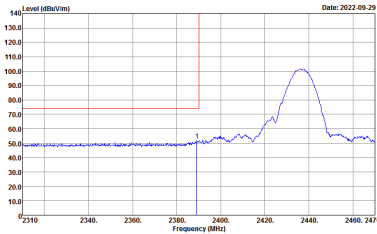
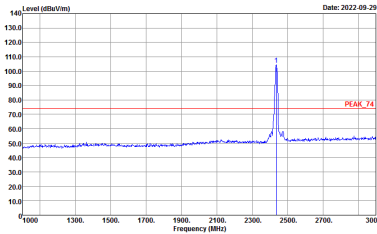
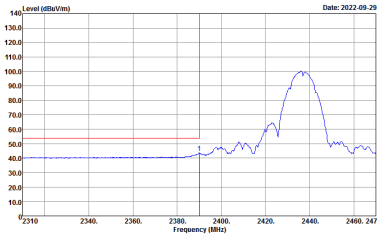
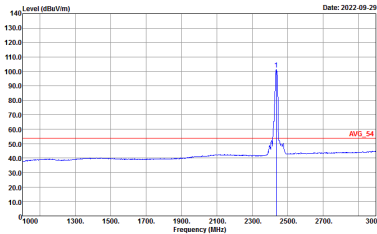
Note symbol

-L	Low channel location
-R	High channel location

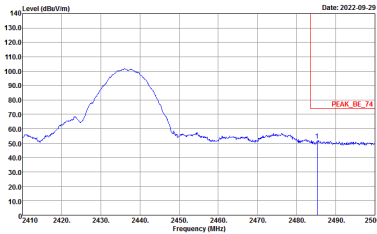
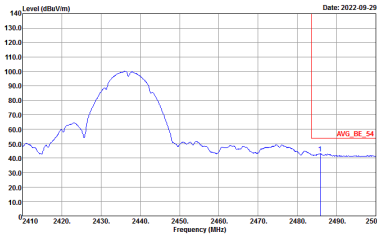
2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

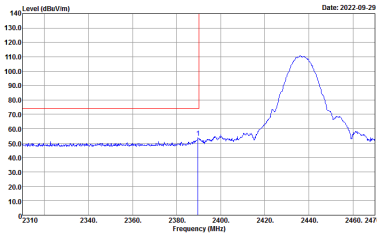
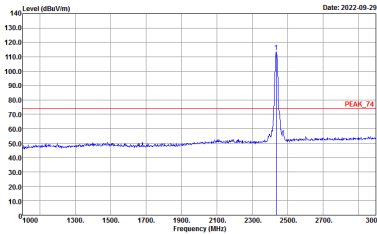
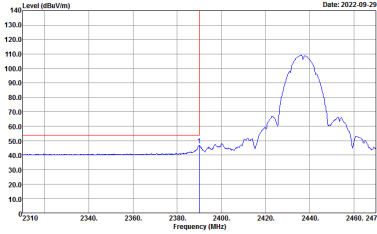
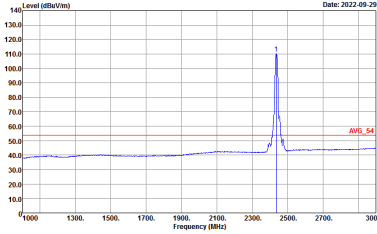
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Avg.		

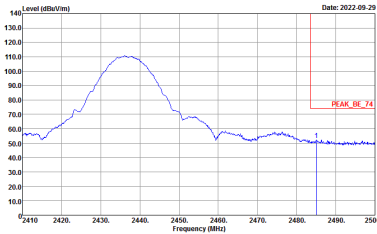
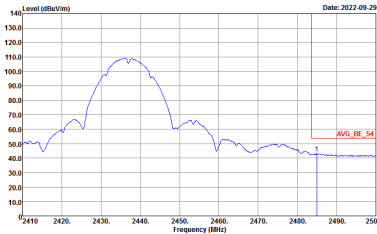
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Avg.		



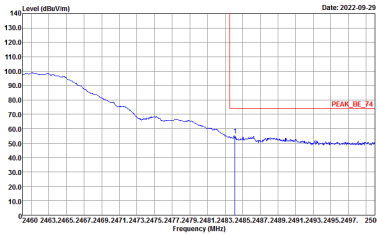
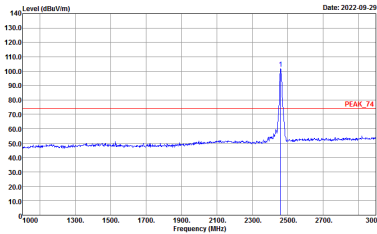
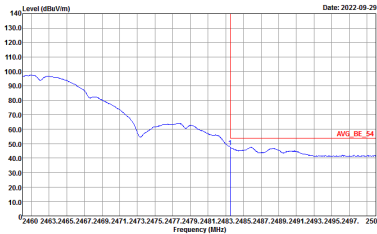
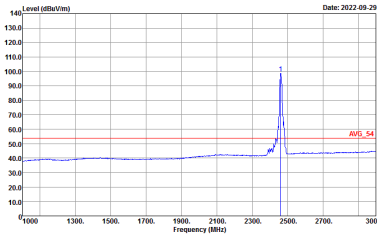
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

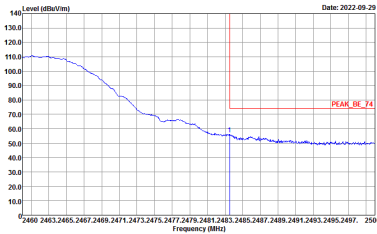
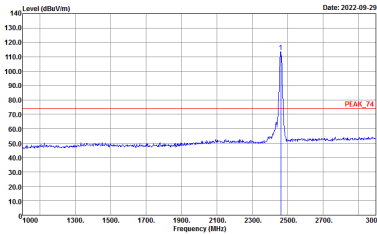
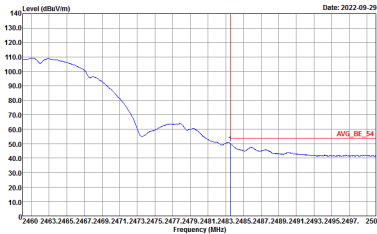
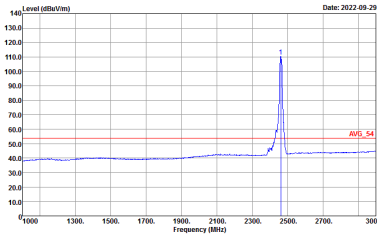
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.		



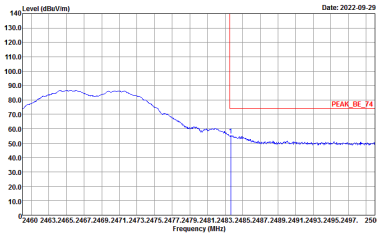
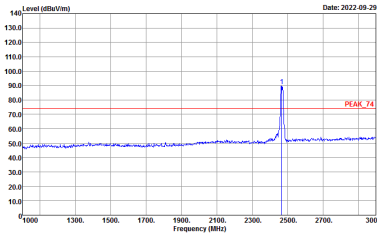
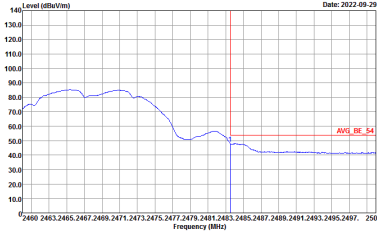
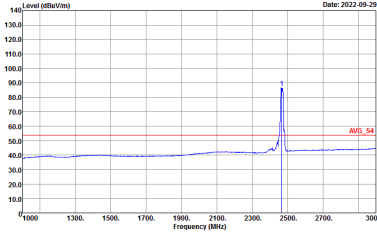
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

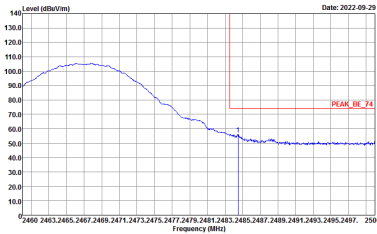
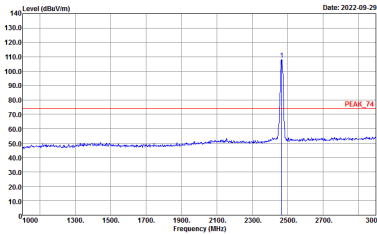
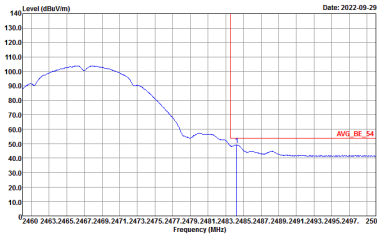
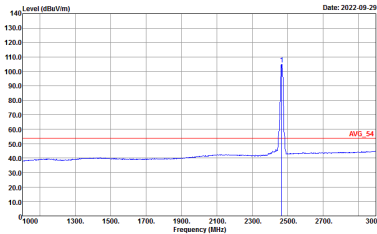


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CHI5-HY Condition : : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto

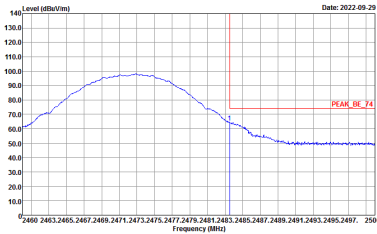
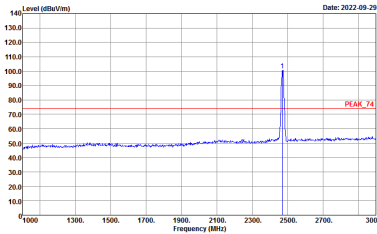
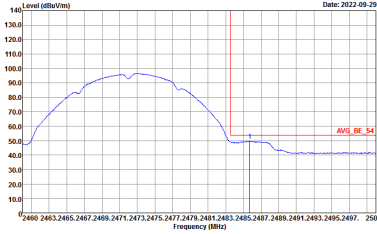
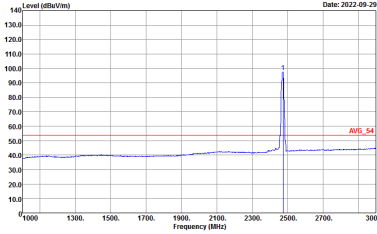
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI5-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Avg.		

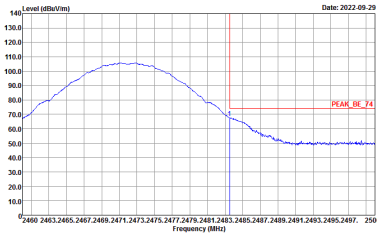
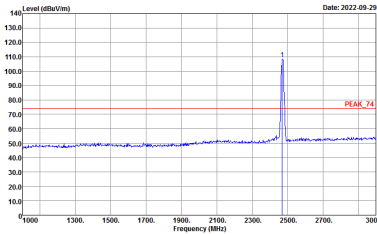
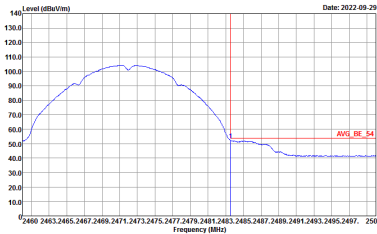
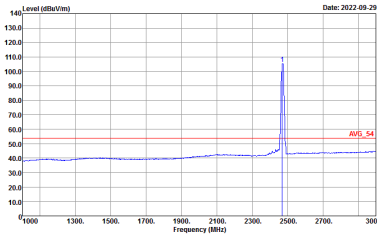


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
4+3	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Site : 03CHI5-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Level (dBuV/m) Frequency (MHz) Site : 03CHI5-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Level (dBuV/m) Frequency (MHz) Site : 03CHI5-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Level (dBuV/m) Frequency (MHz) Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto

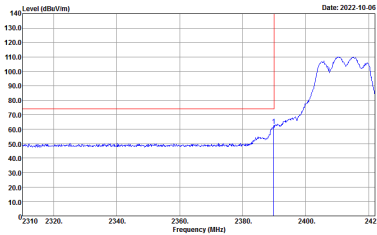
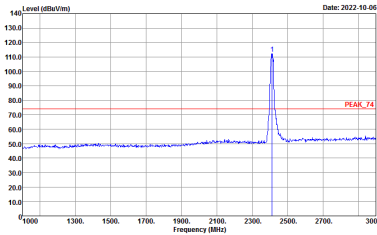
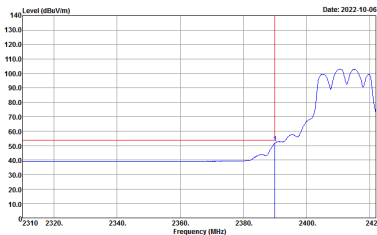
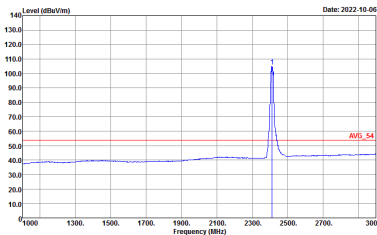
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI5-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.		



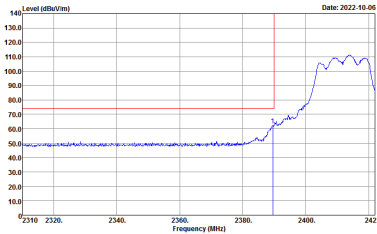
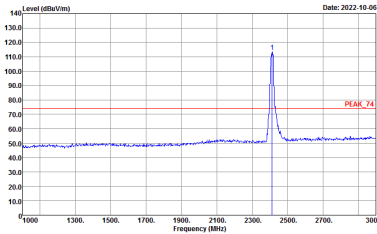
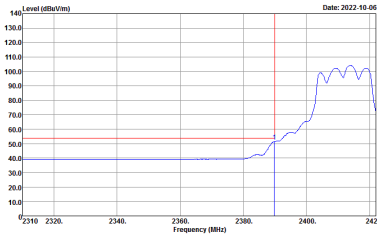
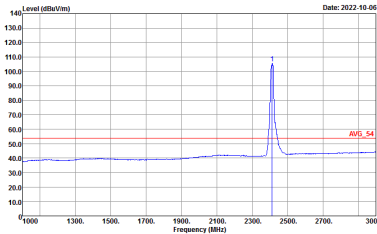
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto

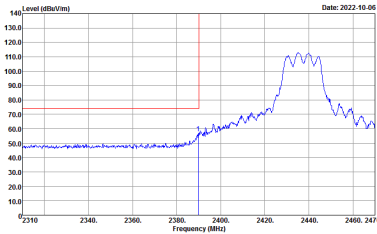
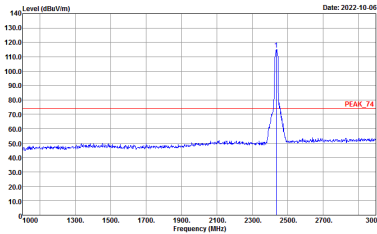
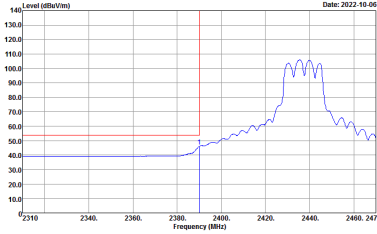
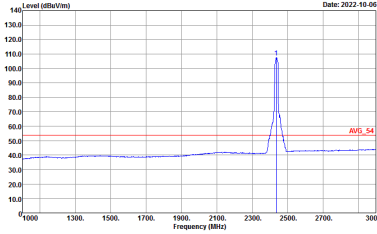
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI5-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Avg.		

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

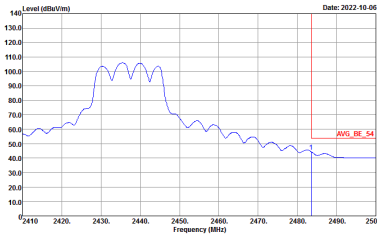
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

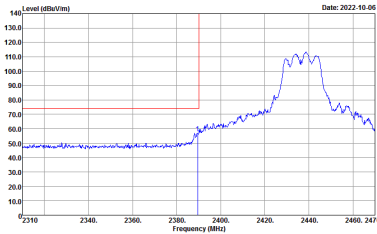
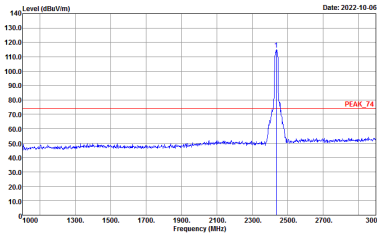
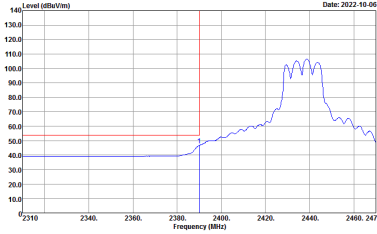
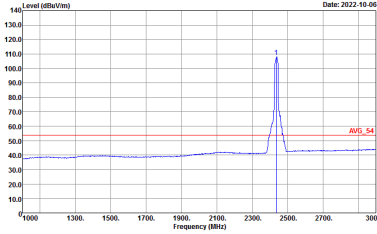


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

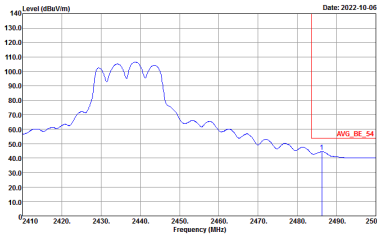
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		



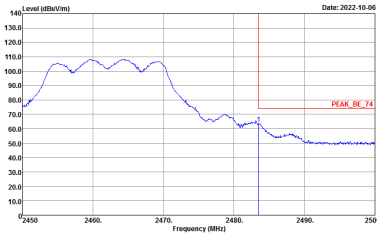
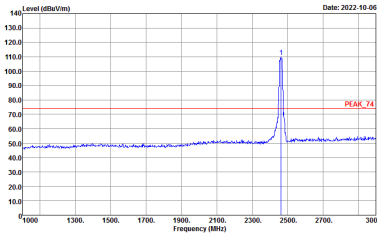
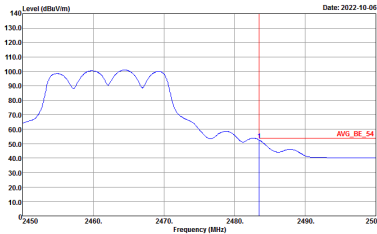
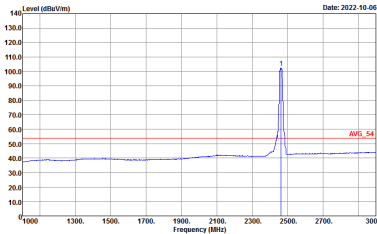
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz 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_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

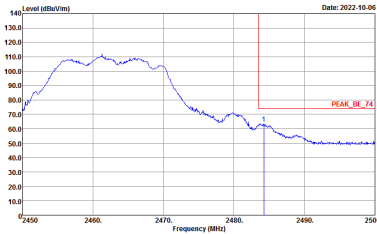
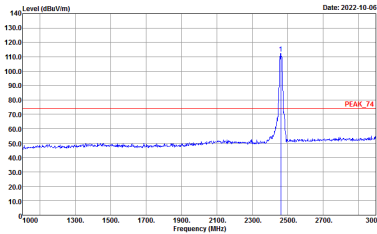
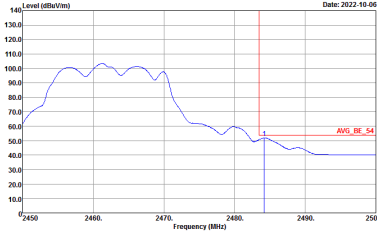
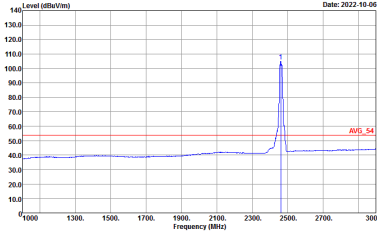


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left Blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz 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_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

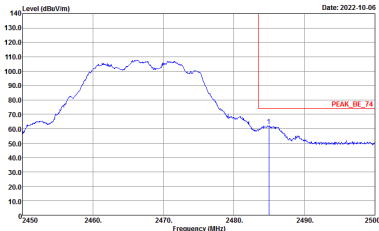
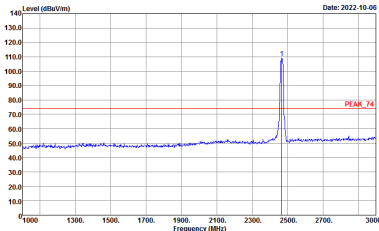
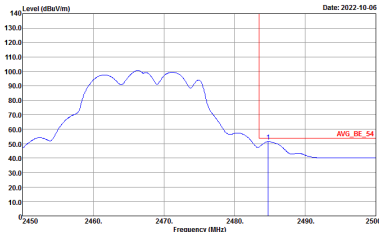
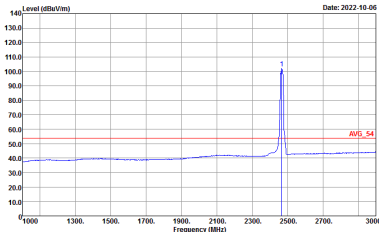


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
4+3	Vertical	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto PEAK_BE_74	 Level (dBuV/m) Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto PEAK_74
	 Level (dBuV/m) Frequency (MHz) Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto AVG_BE_54	 Level (dBuV/m) Frequency (MHz) Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto AVG_54

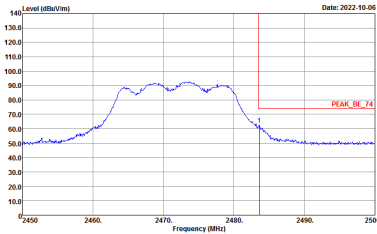
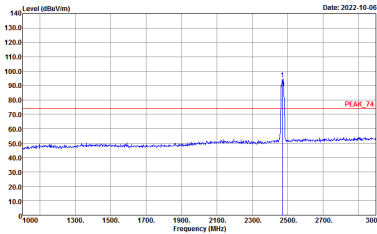
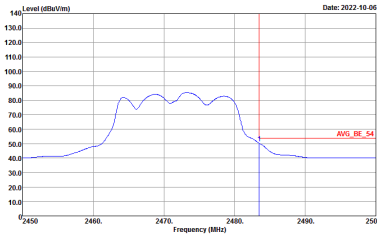
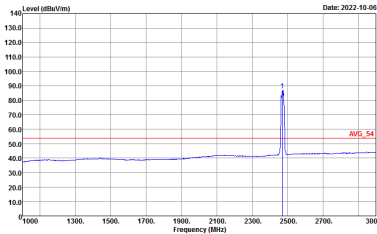


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
4+3	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

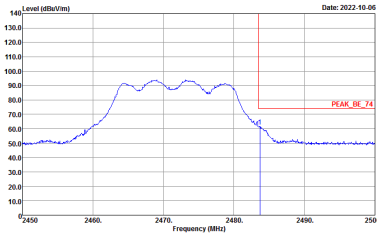
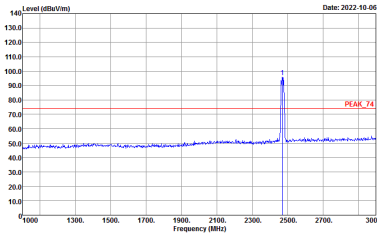
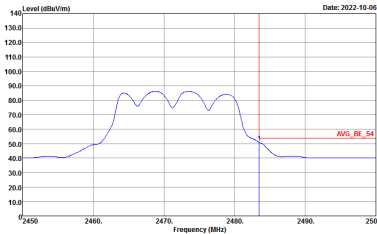
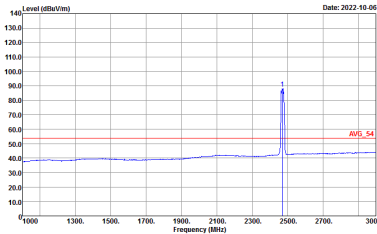


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz 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_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

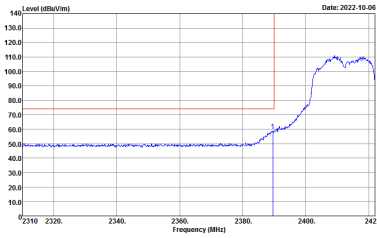
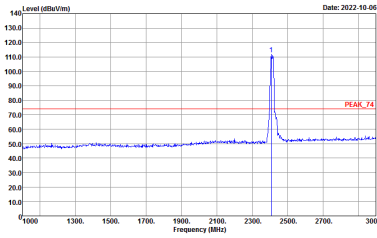
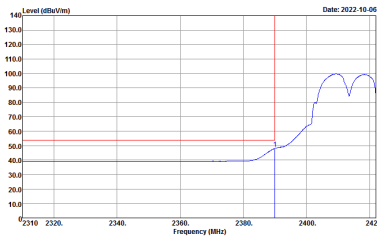
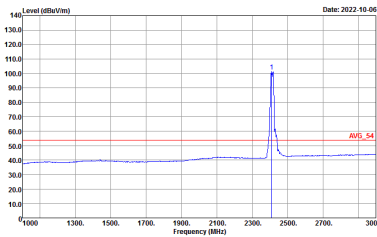


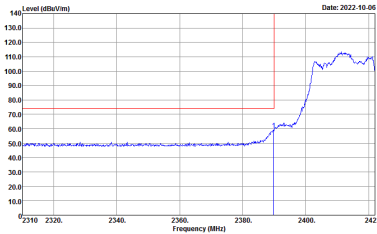
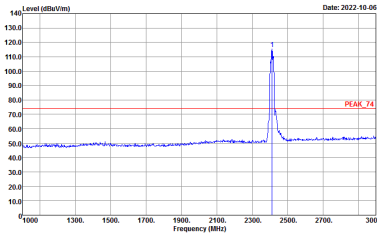
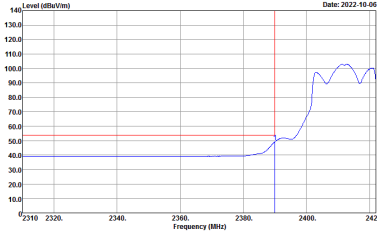
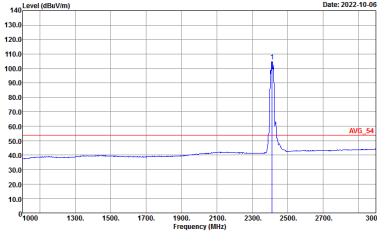
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



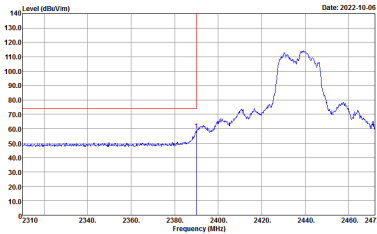
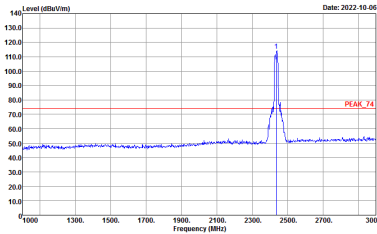
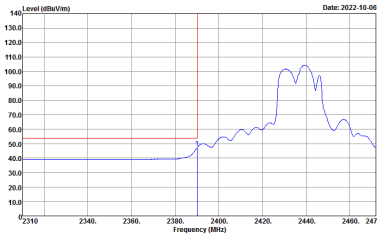
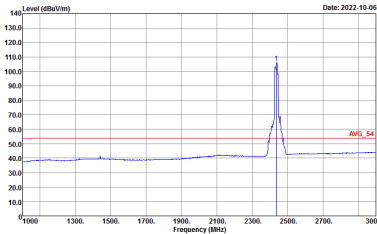
2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

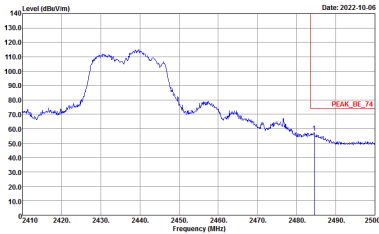
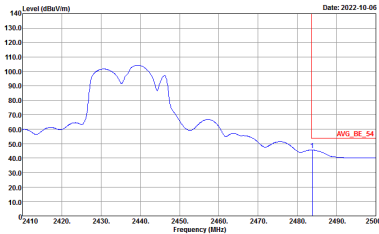
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

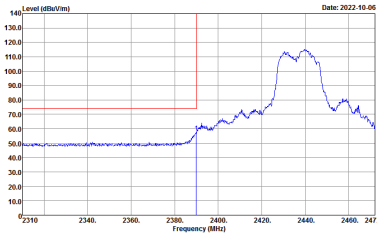
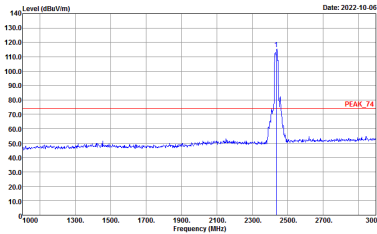
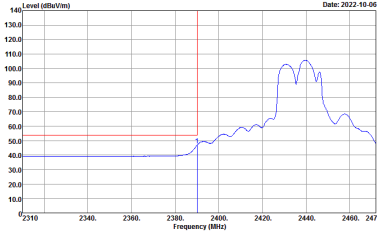
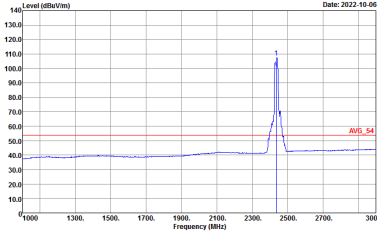
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		



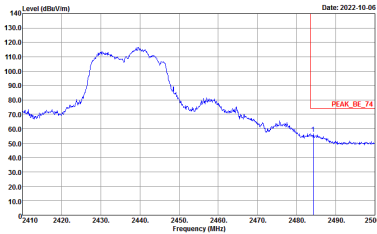
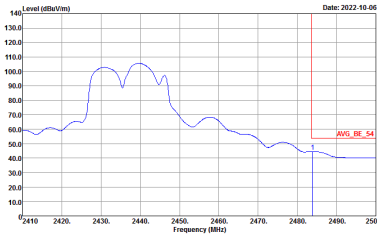
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



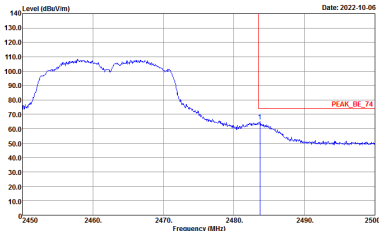
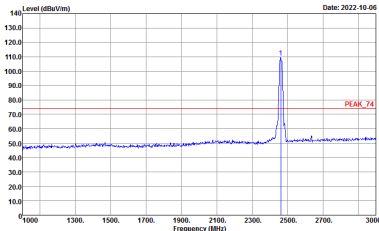
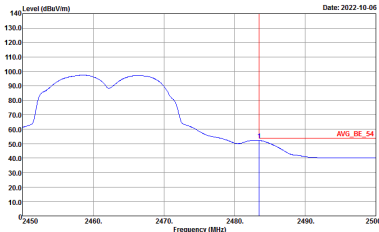
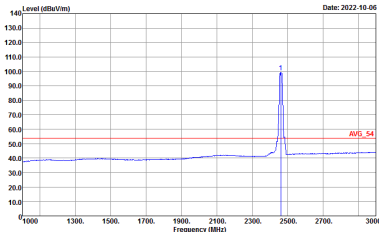
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI5-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

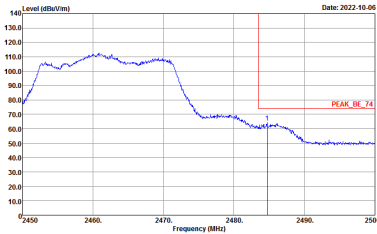
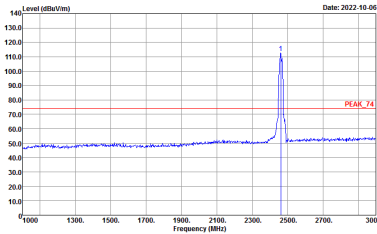
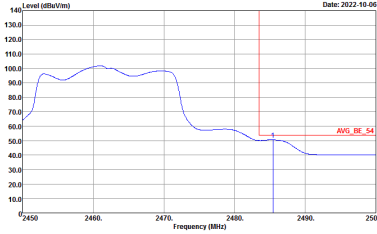
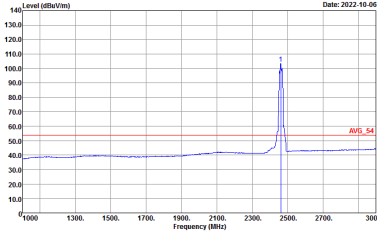


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

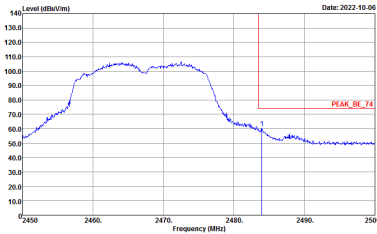
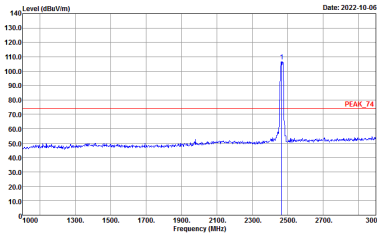
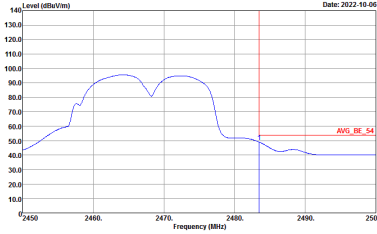
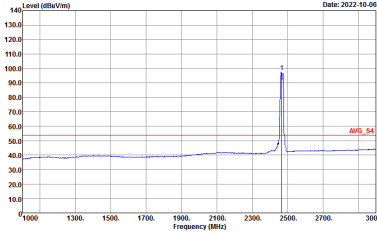


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

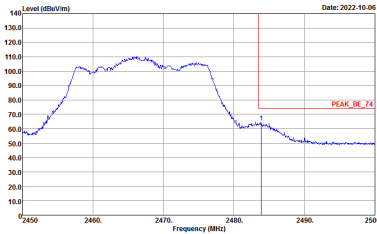
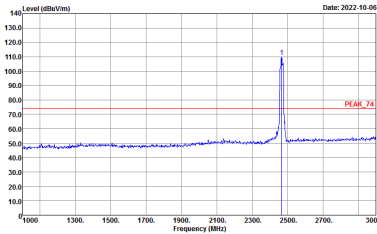
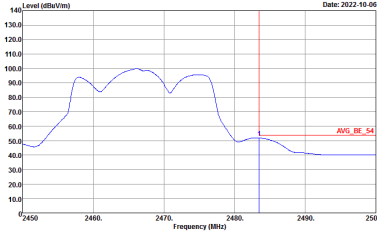
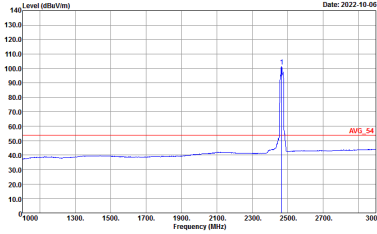


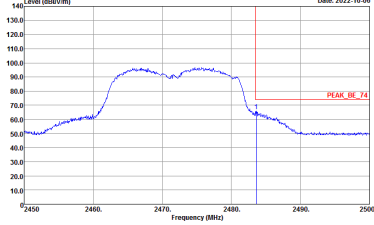
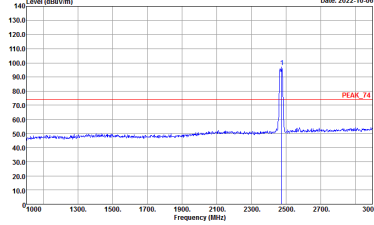
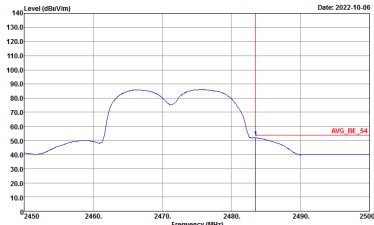
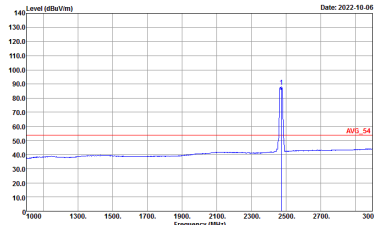
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		



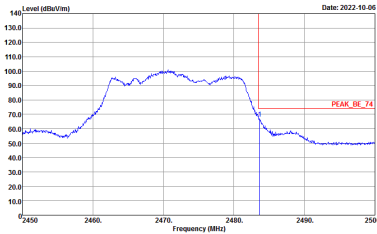
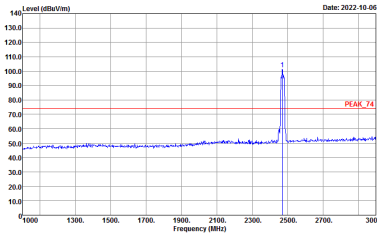
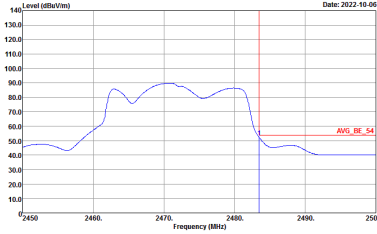
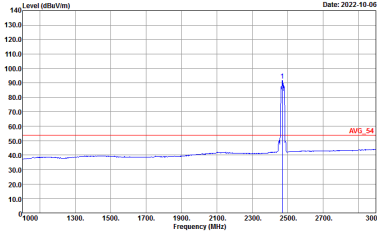
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH12 2467MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



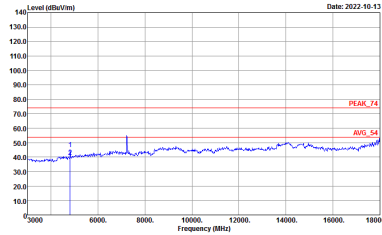
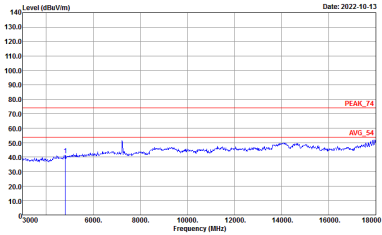
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH12 2467MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH13 2472MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.030KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.030KHz SWT:Auto

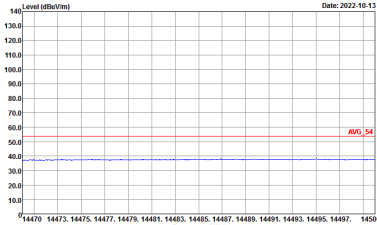
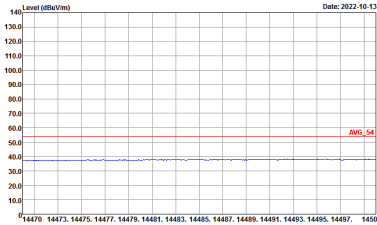
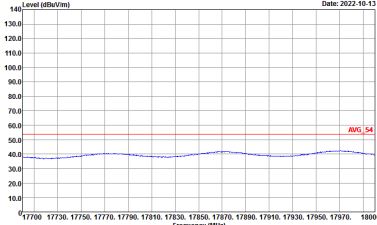
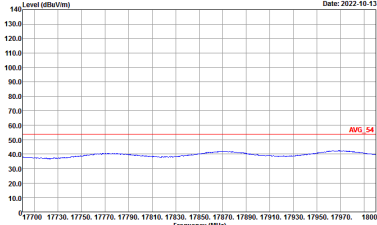


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH13 2472MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 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	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-1FY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-1FY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

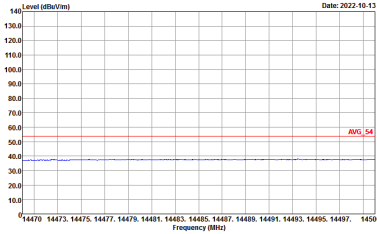
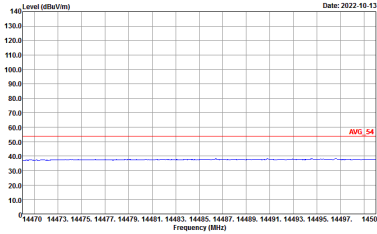
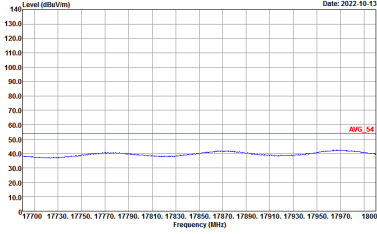
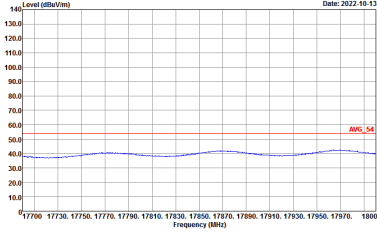


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL

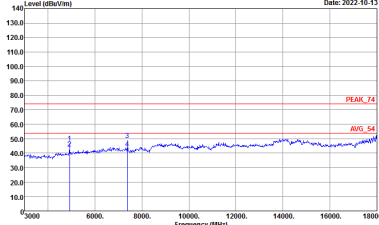
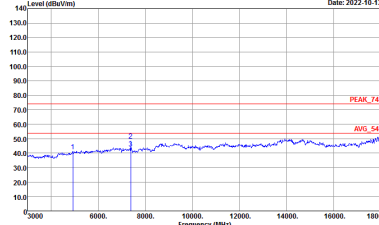


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-10-13 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-10-13 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

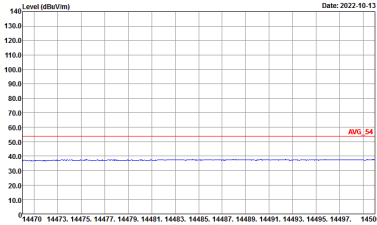
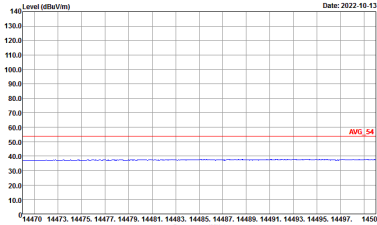
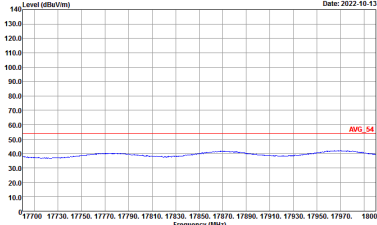
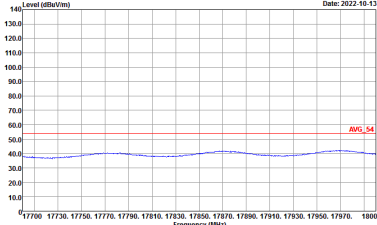


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL

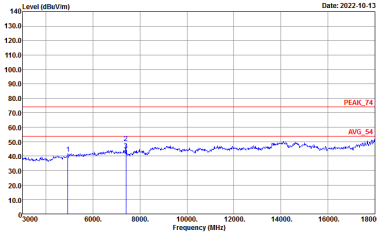
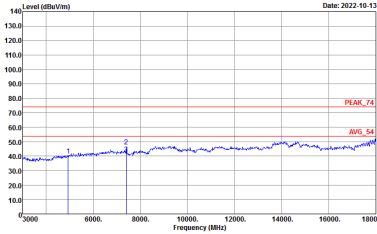


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

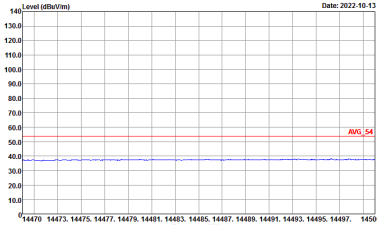
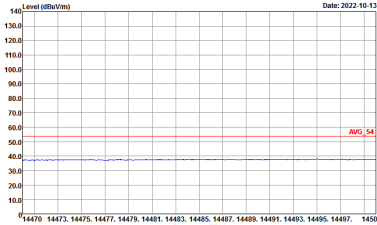
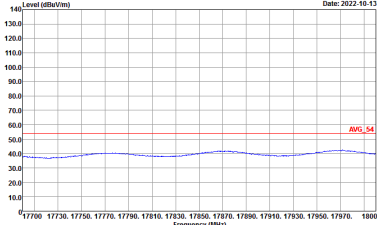
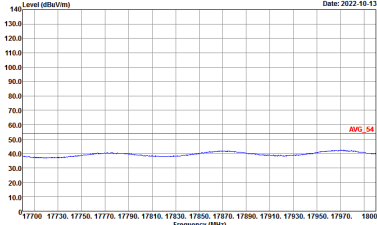


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH115-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH115-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH115-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH115-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL

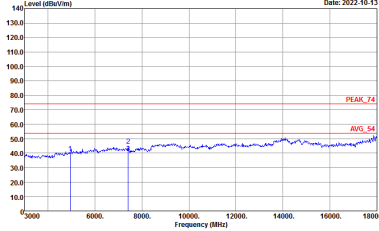
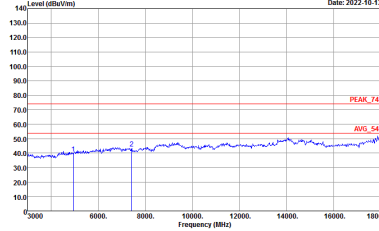


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH12 2467MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

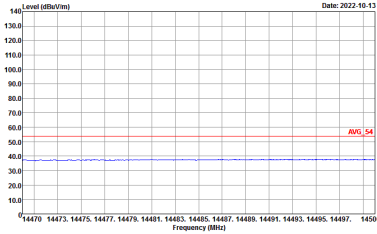
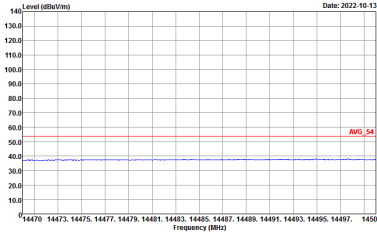
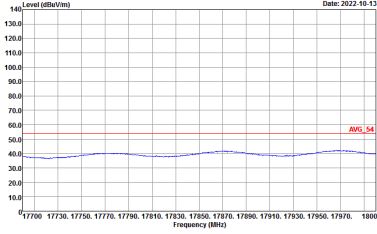
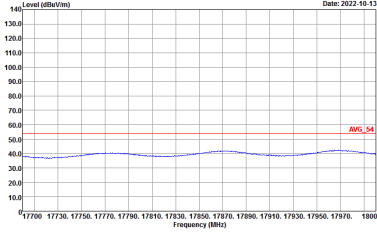


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH12 2467MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH13 2472MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

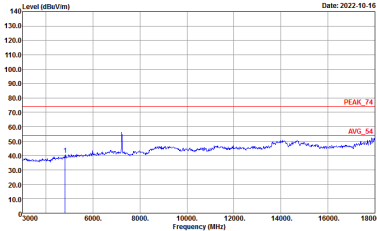
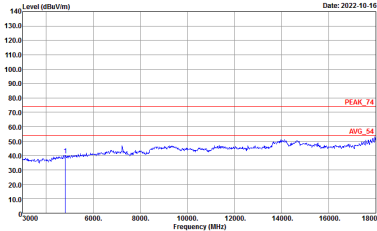


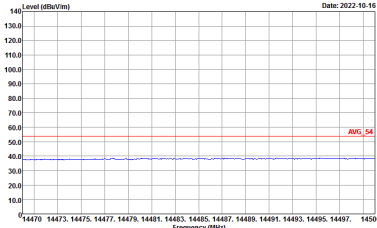
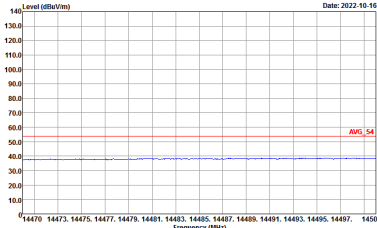
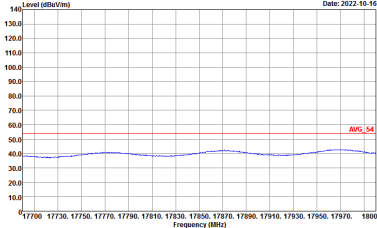
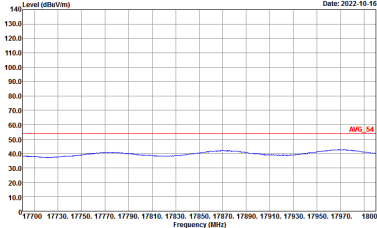
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH13 2472MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

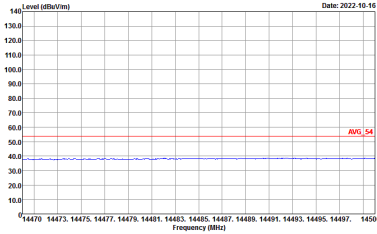
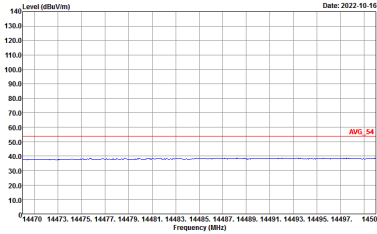
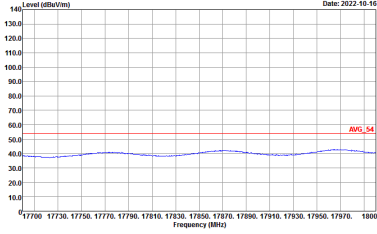
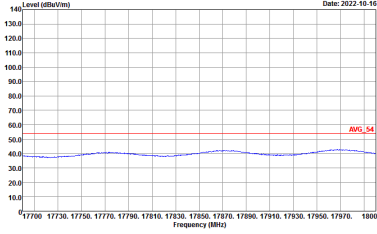
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

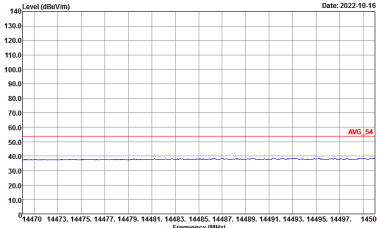
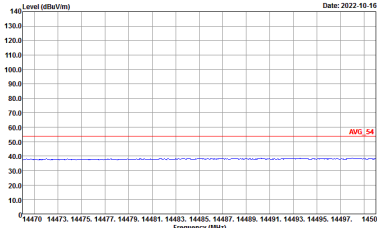
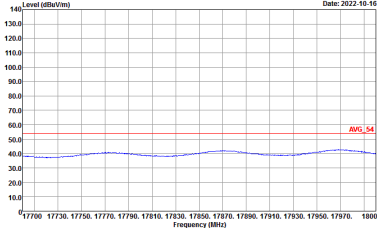
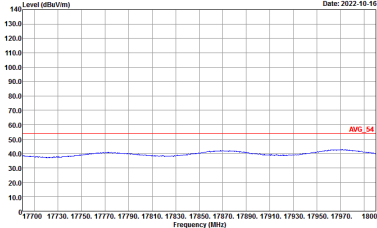


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



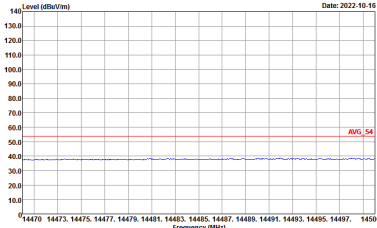
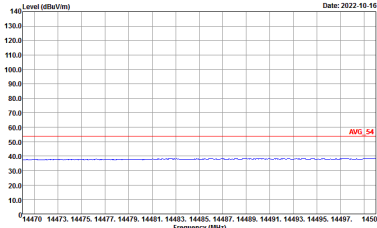
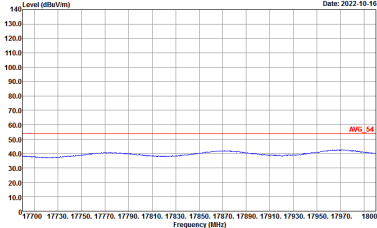
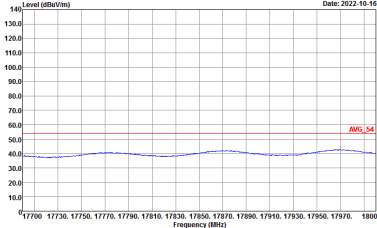
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-10-16 Site : 03CH115-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-10-16 Site : 03CH115-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH115-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH115-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH115-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH115-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



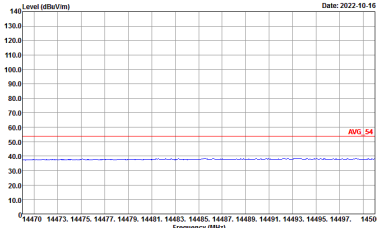
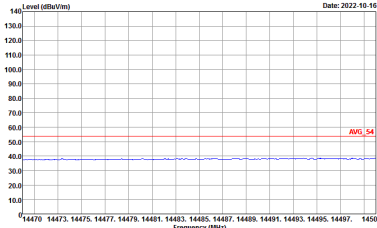
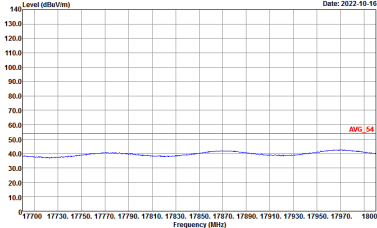
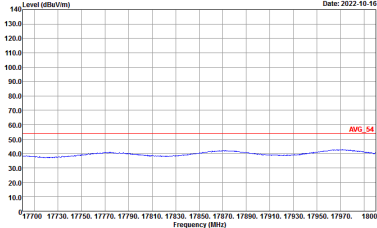
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH12 2467MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH12 2467MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH13 2472MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBu/V/m) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	Level (dBu/V/m) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

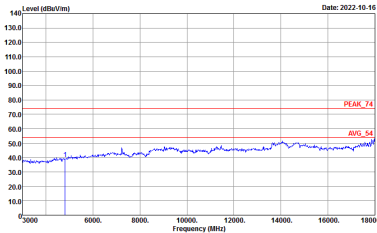
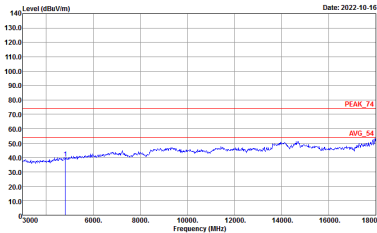


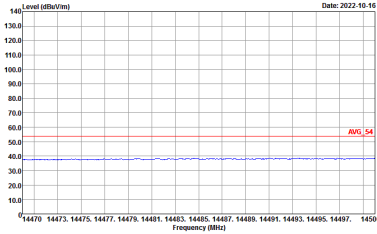
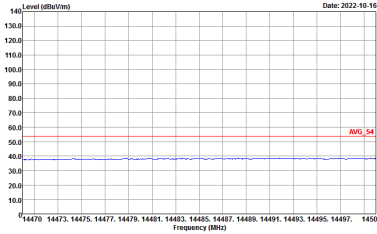
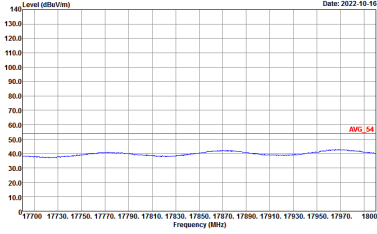
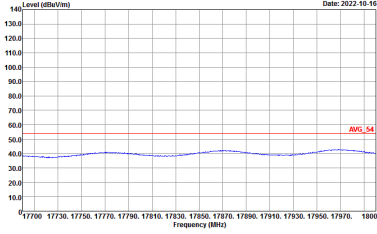
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH13 2472MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

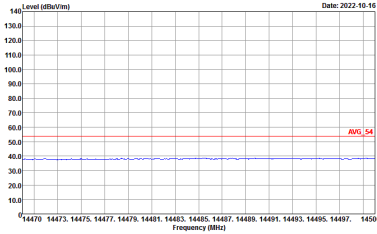
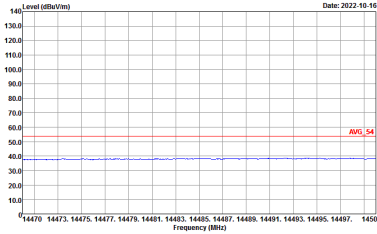
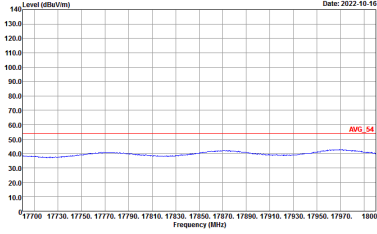
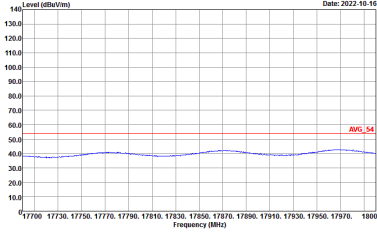
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH01 2412MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH01 2412MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH06 2437MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

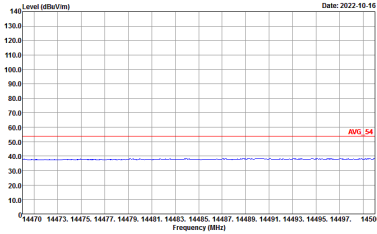
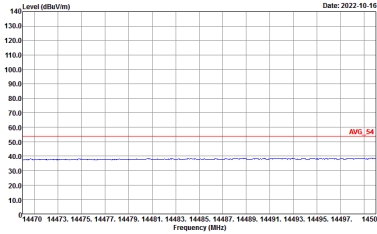
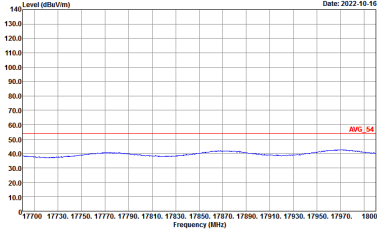
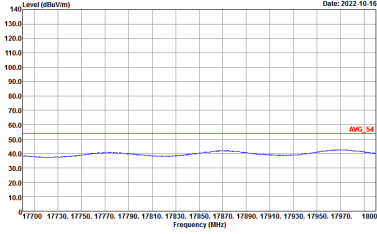


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH06 2437MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL

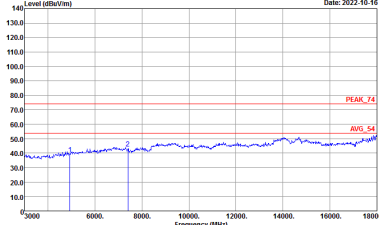
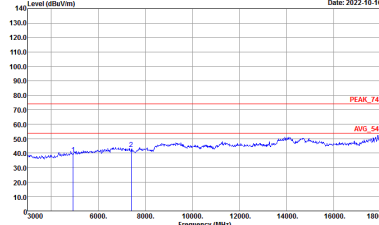


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH11 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBu/Vm) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	Level (dBu/Vm) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

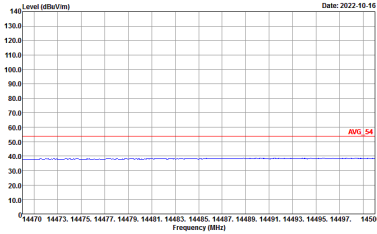
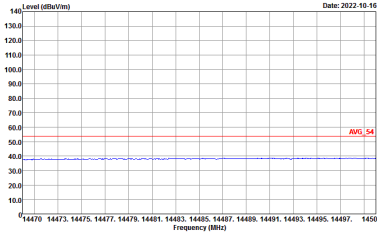
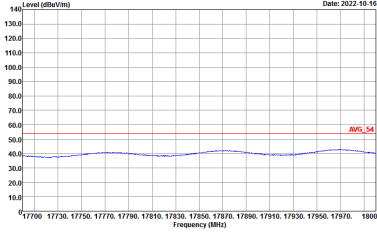
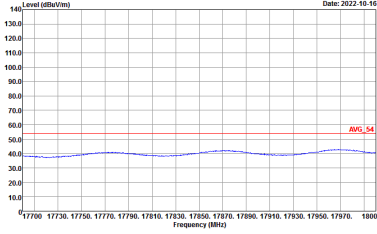


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH11 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH12 2467MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL

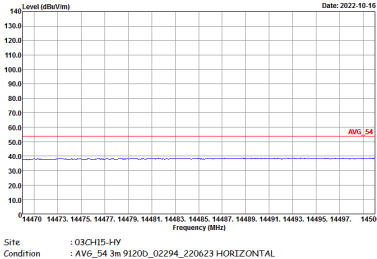
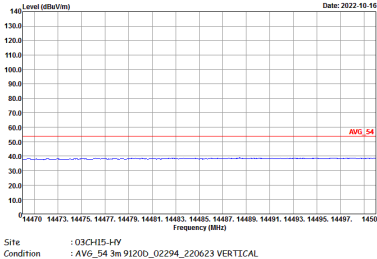
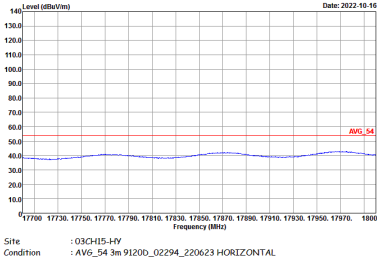
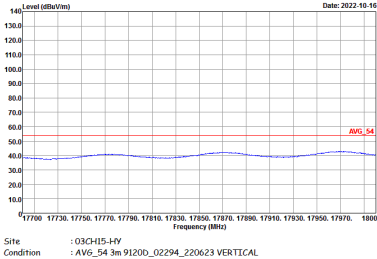


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH12 2467MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



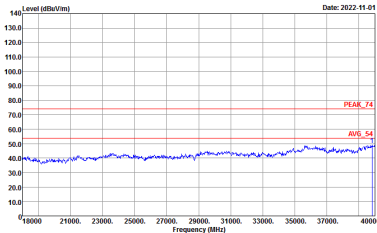
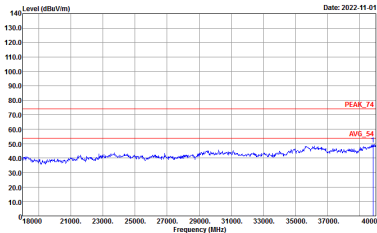
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH13 2472MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-10-16 Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL



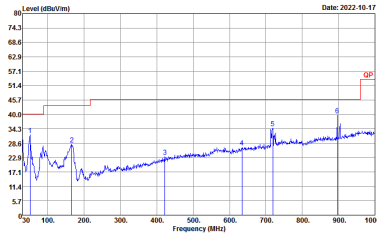
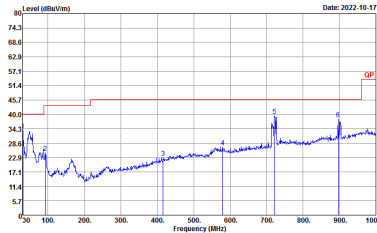
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH13 2472MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



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.	 Site : 03CH15-HY Condition : PEAK_74 1m SHF ANT_9170_00993 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 1m SHF ANT_9170_00993 VERTICAL

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

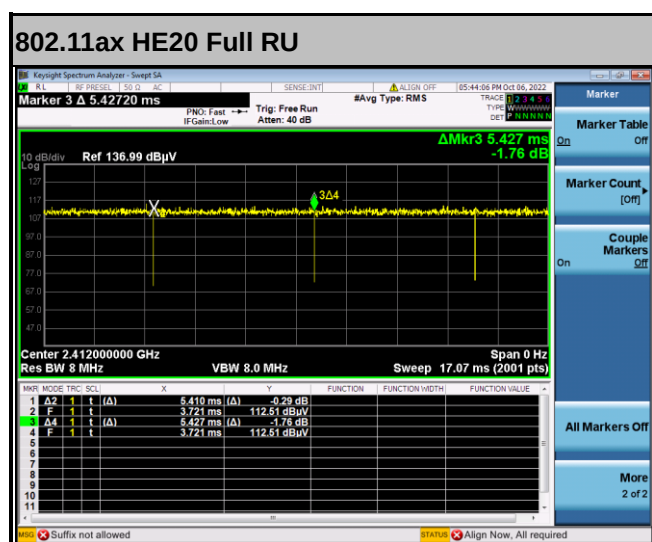
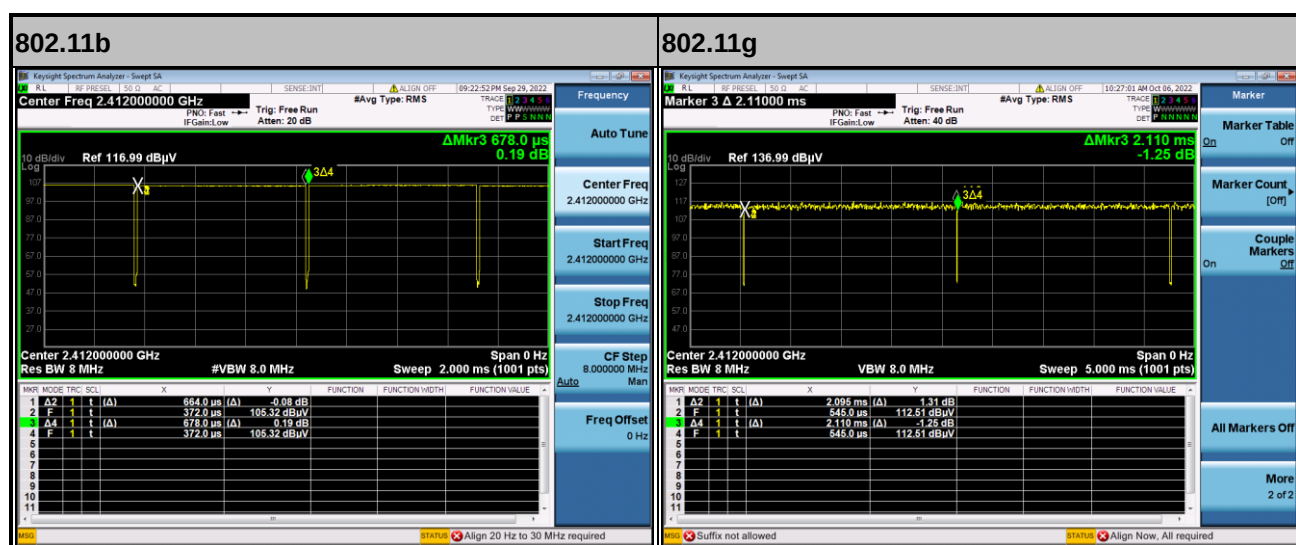
WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g LF	
4+3	Horizontal	Vertical
QP / Peak	 Site : 03CH15-HY Condition : QP 3m B1LOG_41912_20220206 HORIZONTAL	 Site : 03CH15-HY Condition : QP 3m B1LOG_41912_20220206 VERTICAL



Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
4+3	2.4GHz 802.11b	97.94	664	1.51	3kHz
4+3	2.4GHz 802.11g	99.29	-	-	10Hz
4+3	2.4GHz 802.11ax HE20 Full RU	99.69	-	-	10Hz

MIMO <Ant. 4+3>



—THE END—