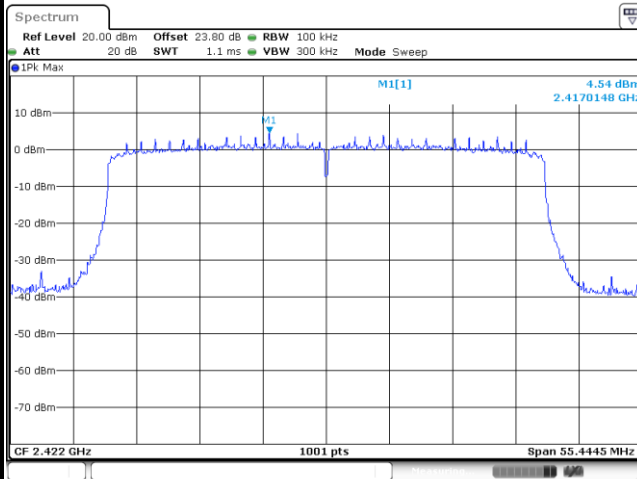




Test Mode : 802.11ax HE40

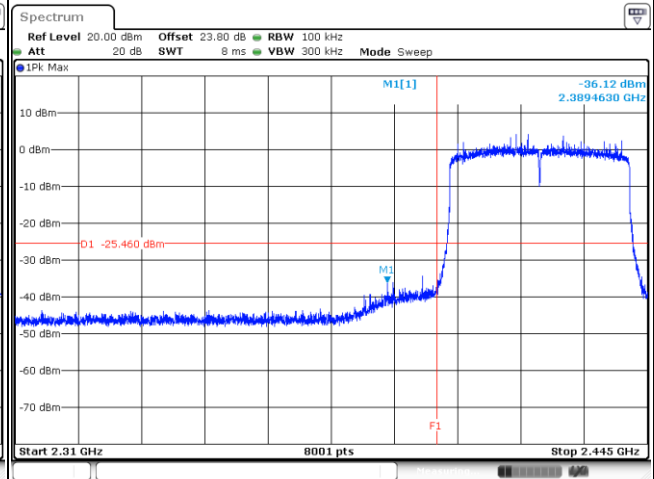
Test Channel : 03

100kHz PSD reference Level



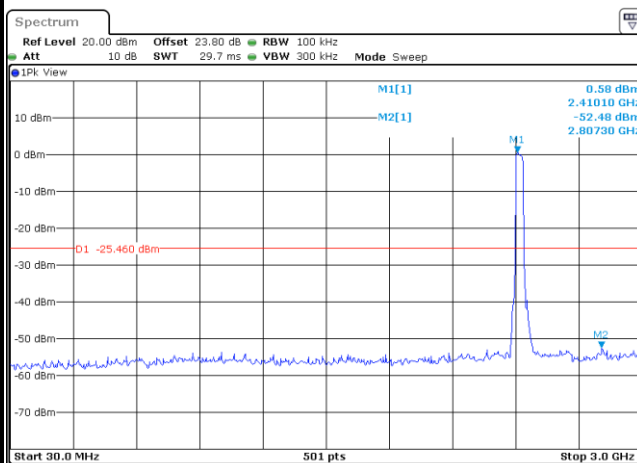
Date: 2.DEC.2021 17:31:55

Channel Plot



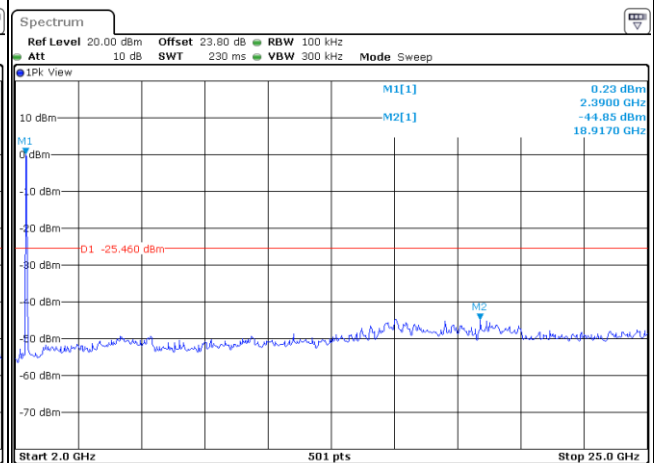
Date: 2.DEC.2021 17:34:27

Spurious Emission 30MHz~3GHz

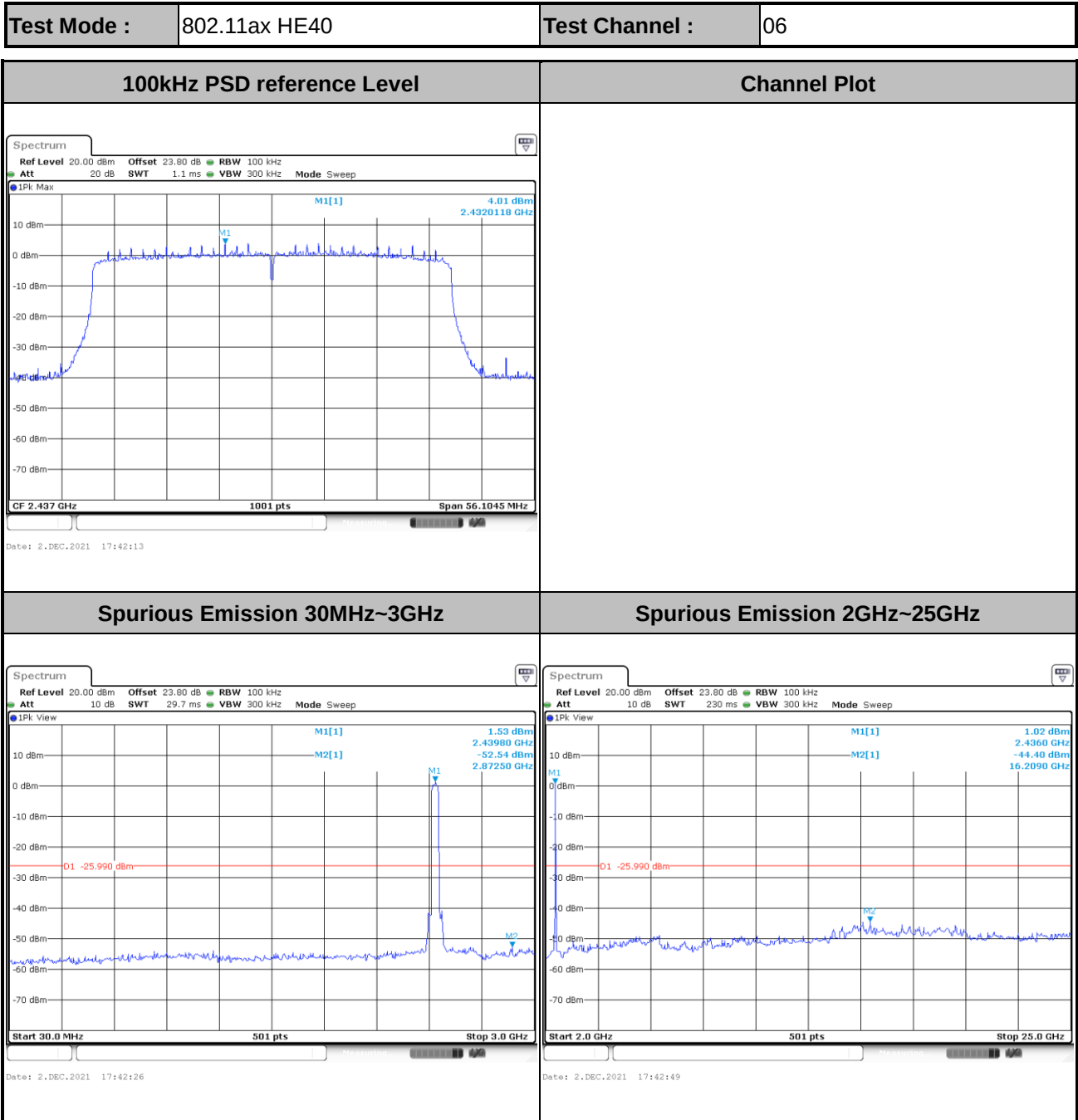


Date: 2.DEC.2021 17:35:26

Spurious Emission 2GHz~25GHz



Date: 2.DEC.2021 17:35:52

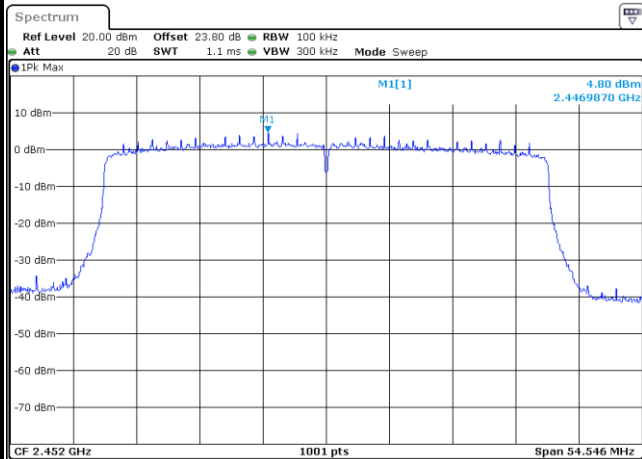




Test Mode : 802.11ax HE40

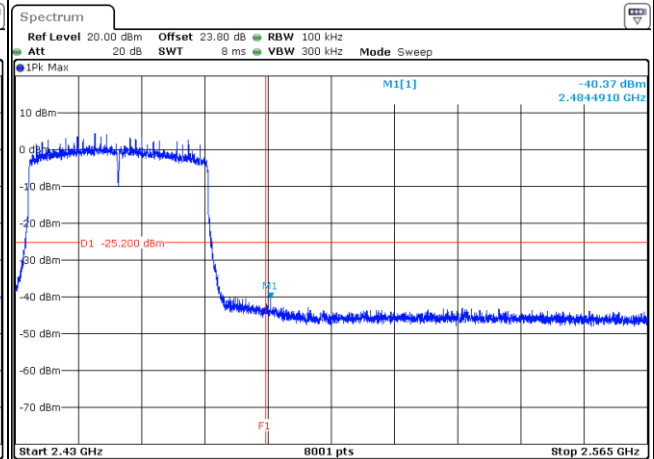
Test Channel : 09

100kHz PSD reference Level



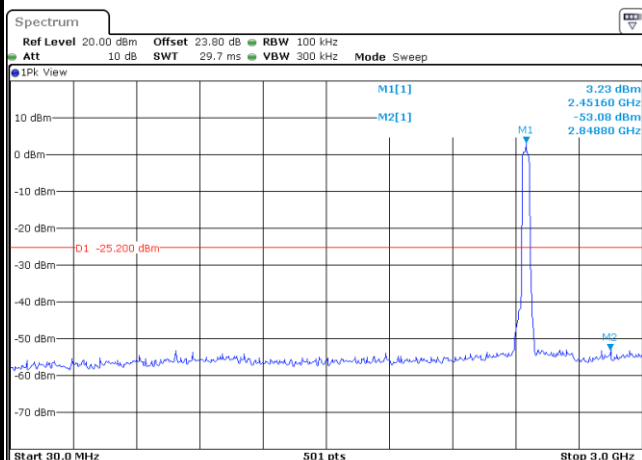
Date: 2.DEC.2021 17:48:13

Channel Plot



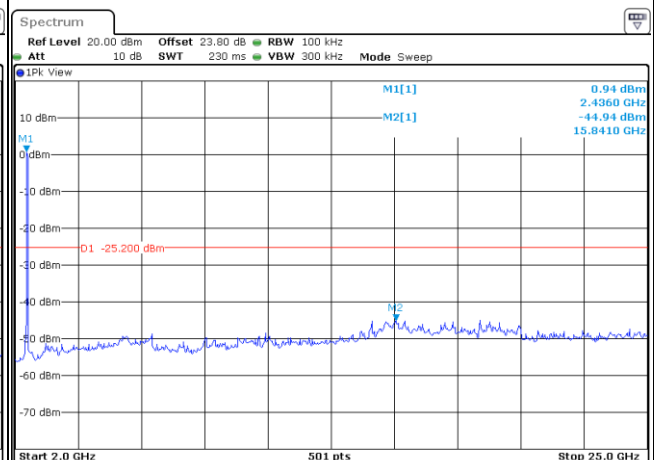
Date: 2.DEC.2021 17:48:26

Spurious Emission 30MHz~3GHz



Date: 2.DEC.2021 17:48:46

Spurious Emission 2GHz~25GHz



Date: 2.DEC.2021 17:49:44

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

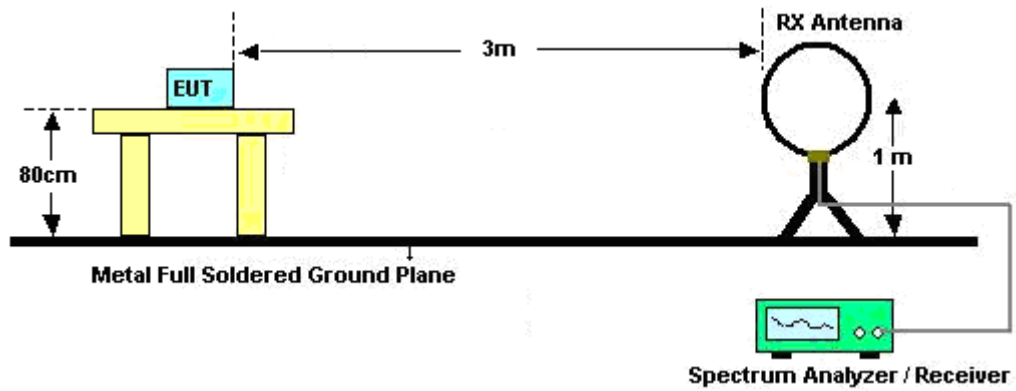
Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

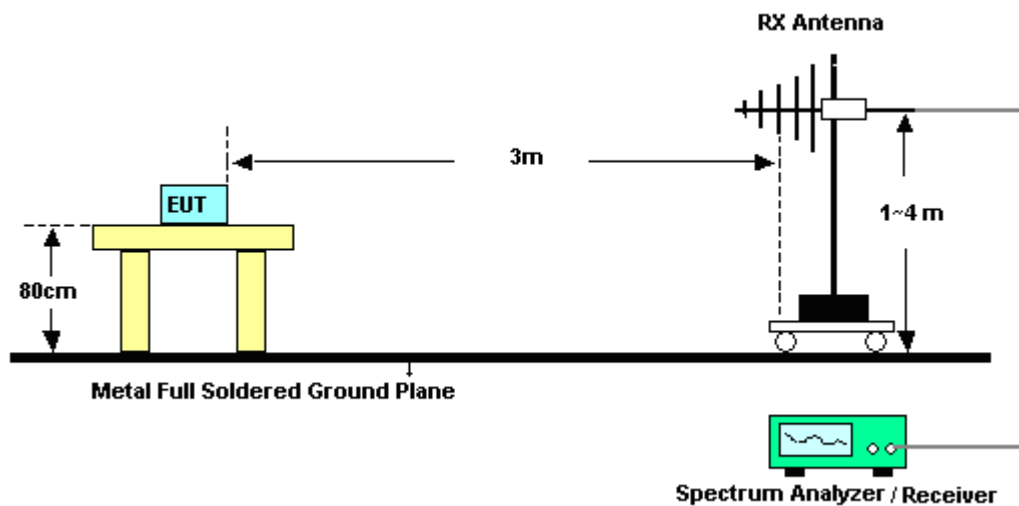
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the 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 - Preamplifier 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

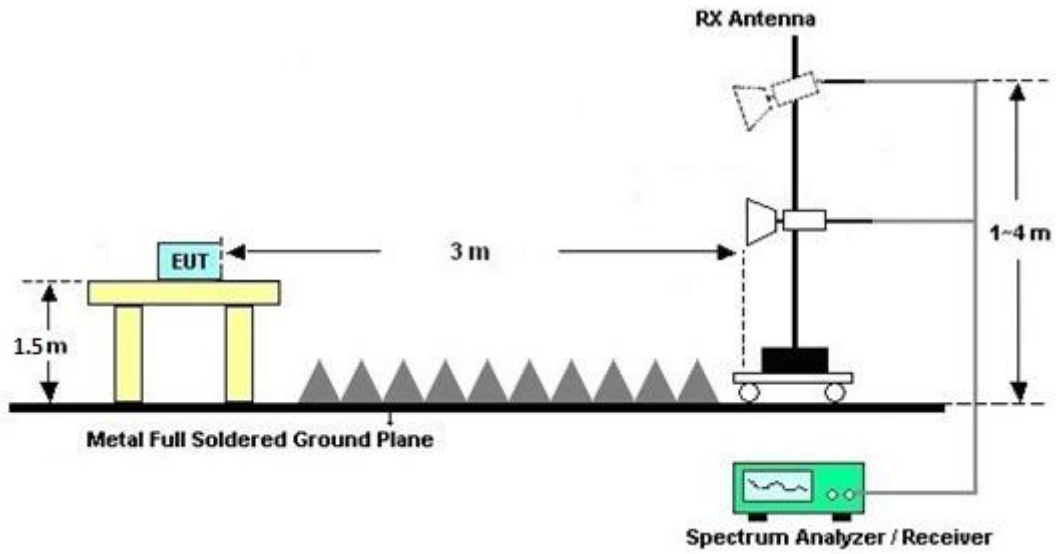
For radiated emissions below 30MHz



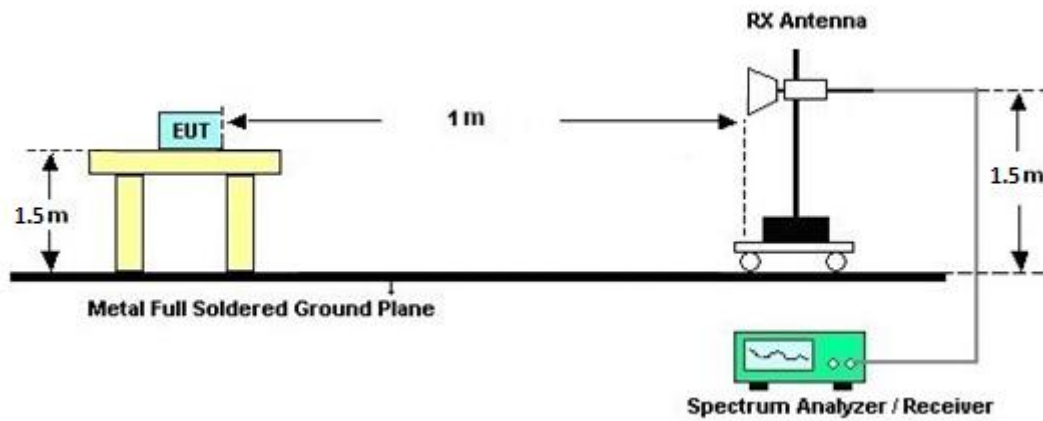
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.5.6 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 (30MHz ~ 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.

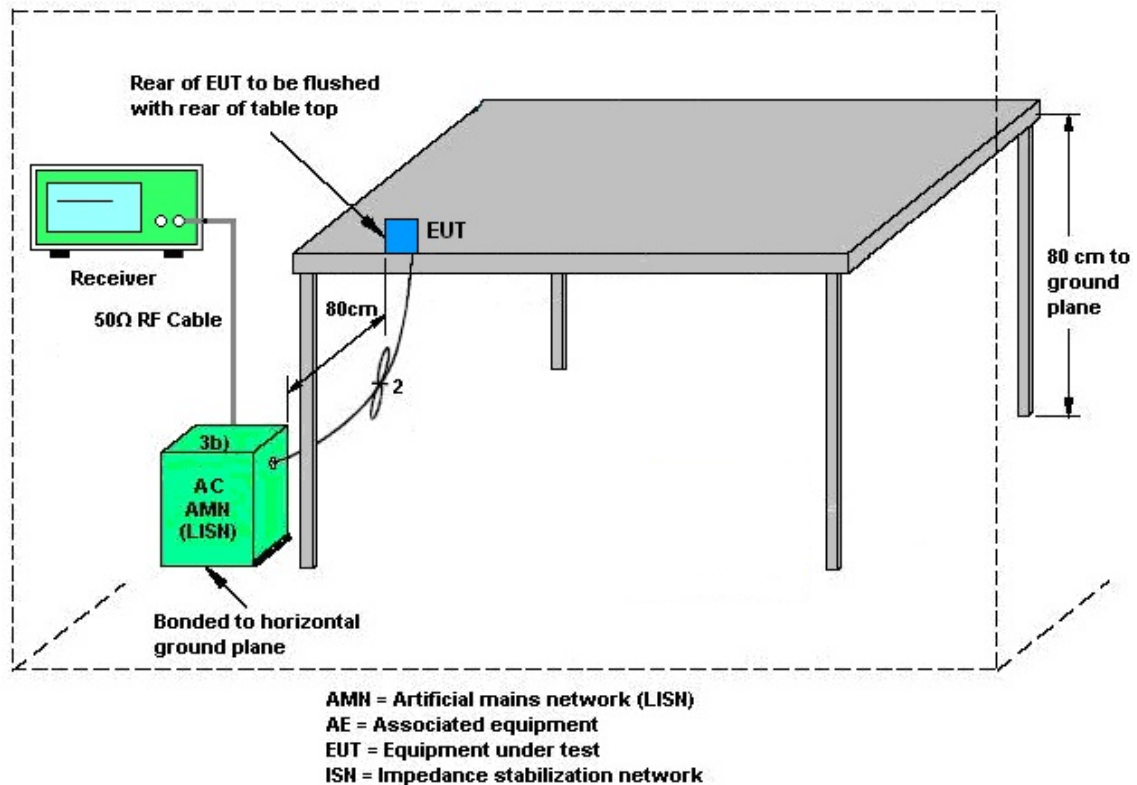
3.6.2 Measuring Instruments

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 = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the Antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output **v02r01**

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>						
			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 16 (dBi)	Ant. 18 (dBi)				
2.4 GHz	-2.50	-3.00	-2.50	0.26	0.00	0.00

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

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



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9010B	MY60241055	10Hz~44GHz	Jul. 12, 2021	Nov. 22, 2021~ Dec. 08, 2021	Jul. 11, 2022	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz~1000MHz	Jan. 04, 2021	Nov. 22, 2021~ Dec. 08, 2021	Jan. 03, 2022	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 15, 2021	Nov. 22, 2021~ Dec. 08, 2021	Nov. 14, 2022	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 22, 2021	Nov. 22, 2021~ Dec. 08, 2021	Jun. 21, 2022	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Nov. 22, 2021~ Dec. 08, 2021	Jan. 03, 2022	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802N1 D01N-06	55606 & 08	30MHz~1GHz	Oct. 17, 2021	Nov. 22, 2021~ Dec. 08, 2021	Oct. 16, 2022	Radiation (03CH20-HY)
Horn Antenna	SCHWARZECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2021	Nov. 22, 2021~ Dec. 08, 2021	Jun. 22, 2022	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZECK	BBHA9170	00991	18GHz~40GHz	May 12, 2021	Nov. 22, 2021~ Dec. 08, 2021	May 11, 2022	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303B	TP200728	N/A	Mar. 09, 2021	Nov. 22, 2021~ Dec. 08, 2021	Mar. 08, 2022	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 20, 2021	Nov. 22, 2021~ Dec. 08, 2021	Jan. 19, 2022	Radiation (03CH20-HY)
1.53GHz Low Pass Filter	Wainwright	WLK4-1000-153 0-8000-40SS	SN27	N/A	May 25, 2021	Nov. 22, 2021~ Dec. 08, 2021	May 24, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHKX12-2700-3 000-18000-60ST	SN8	N/A	Mar. 26, 2021	Nov. 22, 2021~ Dec. 08, 2021	Mar. 25, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHKX8-6090-70 00-18000-40SS	SN99	N/A	Nov. 04, 2021	Nov. 22, 2021~ Dec. 08, 2021	Nov. 03, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WRCQV14-5425 -5825-6525-6925 -60SS	SN2	N/A	Jan. 08, 2021	Nov. 22, 2021~ Dec. 08, 2021	Jan. 07, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WRCQV14-6025 -6425-7125-7525 -60SS	SN1	N/A	Jan. 08, 2021	Nov. 22, 2021~ Dec. 08, 2021	Jan. 07, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHW2-7100-100 00-18000-40CC	SN3	N/A	May 25, 2021	Nov. 22, 2021~ Dec. 08, 2021	May 24, 2022	Radiation (03CH20-HY)
Software	Audix	E3 6.2009-8-24	RK-002156	N/A	N/A	Nov. 22, 2021~ Dec. 08, 2021	N/A	Radiation (03CH20-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 22, 2021~ Dec. 08, 2021	N/A	Radiation (03CH20-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 22, 2021~ Dec. 08, 2021	N/A	Radiation (03CH20-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 22, 2021~ Dec. 08, 2021	N/A	Radiation (03CH20-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 19, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Nov. 19, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	TECPEL	DTM-303A	TP201973	N/A	Oct. 22, 2021	Nov. 19, 2021	Oct. 21, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	Nov. 19, 2021	Nov. 30, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 19, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Nov. 19, 2021	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Nov. 19, 2021	Dec. 30, 2021	Conduction (CO05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Nov. 24, 2021 ~ Dec. 06, 2021	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SN O31(NO:182)	10MHz~6GHz	Dec. 30, 2020	Nov. 24, 2021 ~ Dec. 06, 2021	Dec. 29, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Nov. 24, 2021 ~ Dec. 06, 2021	Aug. 29, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW191204(B OX8)	N/A	Jan. 07, 2021	Nov. 24, 2021 ~ Dec. 06, 2021	Jan. 06, 2022	Conducted (TH05-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.1 dB
--	--------

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

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
--	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Jacob Yu	Temperature:	22.2~24.1	°C
Test Date:	2021/11/24-2021/12/6	Relative Humidity:	48.2~52.2	%

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
					Ant16	Ant18	Ant16	Ant18		
11b	1Mbps	2	1	2412	12.94	12.94	8.05	8.07	0.50	Pass
11b	1Mbps	2	6	2437	12.94	12.99	7.17	7.59	0.50	Pass
11b	1Mbps	2	11	2462	12.89	13.04	7.61	7.63	0.50	Pass
11g	6Mbps	2	1	2412	16.33	16.38	16.30	16.34	0.50	Pass
11g	6Mbps	2	6	2437	16.38	16.38	16.06	16.34	0.50	Pass
11g	6Mbps	2	11	2462	16.38	16.38	16.32	16.36	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant16	Ant18	SUM	Ant16	Ant18	Ant16	Ant18	Ant16	Ant18	Ant16	Ant18	
11b	1Mbps	2	1	2412	18.90	19.40	22.17	30.00		-2.50		19.67		36.00		Pass
11b	1Mbps	2	6	2437	19.00	19.40	22.21	30.00		-2.50		19.71		36.00		Pass
11b	1Mbps	2	11	2462	19.00	19.50	22.27	30.00		-2.50		19.77		36.00		Pass
11g	6Mbps	2	1	2412	18.30	19.20	21.78	30.00		-2.50		19.28		36.00		Pass
11g	6Mbps	2	6	2437	18.30	19.10	21.73	30.00		-2.50		19.23		36.00		Pass
11g	6Mbps	2	11	2462	18.20	19.10	21.68	30.00		-2.50		19.18		36.00		Pass
HT20	MCS0	2	1	2412	17.70	18.50	21.13	30.00		-2.50		18.63		36.00		Pass
HT20	MCS0	2	6	2437	17.60	18.40	21.03	30.00		-2.50		18.53		36.00		Pass
HT20	MCS0	2	11	2462	17.20	18.00	20.63	30.00		-2.50		18.13		36.00		Pass
HT40	MCS0	2	3	2422	17.00	17.90	20.48	30.00		-2.50		17.98		36.00		Pass
HT40	MCS0	2	6	2437	16.90	17.70	20.33	30.00		-2.50		17.83		36.00		Pass
HT40	MCS0	2	9	2452	16.70	17.60	20.18	30.00		-2.50		17.68		36.00		Pass

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant16	Ant18	Worse + 3.01	Ant16	Ant18	Ant16	Ant18	
11b	1Mbps	2	1	2412	-5.43	-4.84	-1.83	0.26		8.00		Pass
11b	1Mbps	2	6	2437	-5.29	-4.64	-1.63	0.26		8.00		Pass
11b	1Mbps	2	11	2462	-5.10	-4.42	-1.41	0.26		8.00		Pass
11g	6Mbps	2	1	2412	-8.87	-7.70	-4.69	0.26		8.00		Pass
11g	6Mbps	2	6	2437	-8.23	-7.08	-4.07	0.26		8.00		Pass
11g	6Mbps	2	11	2462	-8.68	-7.63	-4.62	0.26		8.00		Pass

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

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
						Ant16	Ant18	Ant16	Ant18		
HE20	MCS0	2	1	2412	Full	18.88	18.88	18.96	17.91	0.50	Pass
HE20	MCS0	2	6	2437	Full	18.88	18.88	18.68	18.16	0.50	Pass
HE20	MCS0	2	11	2462	Full	18.93	18.93	18.86	18.86	0.50	Pass
HE40	MCS0	2	3	2422	Full	37.86	37.76	37.84	36.96	0.50	Pass
HE40	MCS0	2	6	2437	Full	37.76	37.76	37.52	37.40	0.50	Pass
HE40	MCS0	2	9	2452	Full	37.76	37.86	37.32	36.36	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																	
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant16	Ant18	SUM	Ant16	Ant18	Ant16	Ant18	Ant16	Ant18	Ant16	Ant18	
HE20	MCS0	2	1	2412	Full	18.20	19.00	21.63	30.00		-2.50		19.13		36.00		Pass
HE20	MCS0	2	1	2412	26/0	8.10	9.80	12.04	30.00		-2.50		9.54		36.00		Pass
HE20	MCS0	2	1	2412	52/37	11.70	12.80	15.30	30.00		-2.50		12.80		36.00		Pass
HE20	MCS0	2	1	2412	106/53	14.40	15.40	17.94	30.00		-2.50		15.44		36.00		Pass
HE20	MCS0	2	6	2437	Full	18.30	19.00	21.67	30.00		-2.50		19.17		36.00		Pass
HE20	MCS0	2	6	2437	26/4	8.10	9.40	11.81	30.00		-2.50		9.31		36.00		Pass
HE20	MCS0	2	6	2437	52/39	11.50	13.00	15.32	30.00		-2.50		12.82		36.00		Pass
HE20	MCS0	2	6	2437	106/53	14.10	14.40	17.26	30.00		-2.50		14.76		36.00		Pass
HE20	MCS0	2	11	2462	Full	17.30	18.10	20.73	30.00		-2.50		18.23		36.00		Pass
HE20	MCS0	2	11	2462	26/8	6.60	8.10	10.42	30.00		-2.50		7.92		36.00		Pass
HE20	MCS0	2	11	2462	52/40	8.60	10.20	12.48	30.00		-2.50		9.98		36.00		Pass
HE20	MCS0	2	11	2462	106/54	13.70	14.00	16.86	30.00		-2.50		14.36		36.00		Pass
HE40	MCS0	2	3	2422	Full	17.10	18.00	20.58	30.00		-2.50		18.08		36.00		Pass
HE40	MCS0	2	6	2437	Full	17.00	17.80	20.43	30.00		-2.50		17.93		36.00		Pass
HE40	MCS0	2	9	2452	Full	16.80	17.70	20.28	30.00		-2.50		17.78		36.00		Pass

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
						Ant16	Ant18	Worse + 3.01	Ant16	Ant18	Ant16	Ant18	
HE20	MCS0	2	1	2412	Full	-8.21	-7.56	-4.55	0.26		8.00		Pass
HE20	MCS0	2	1	2412	26/0	-9.13	-7.61	-4.60	0.26		8.00		Pass
HE20	MCS0	2	1	2412	52/37	-8.79	-7.98	-4.97	0.26		8.00		Pass
HE20	MCS0	2	1	2412	106/53	-8.62	-8.00	-4.99	0.26		8.00		Pass
HE20	MCS0	2	6	2437	Full	-8.12	-7.74	-4.73	0.26		8.00		Pass
HE20	MCS0	2	6	2437	26/4	-9.27	-7.85	-4.84	0.26		8.00		Pass
HE20	MCS0	2	6	2437	52/39	-8.36	-7.86	-4.85	0.26		8.00		Pass
HE20	MCS0	2	6	2437	106/53	-8.59	-7.77	-4.76	0.26		8.00		Pass
HE20	MCS0	2	11	2462	Full	-8.55	-8.11	-5.10	0.26		8.00		Pass
HE20	MCS0	2	11	2462	26/8	-10.16	-8.44	-5.43	0.26		8.00		Pass
HE20	MCS0	2	11	2462	52/40	-9.99	-8.54	-5.53	0.26		8.00		Pass
HE20	MCS0	2	11	2462	106/54	-8.92	-8.24	-5.23	0.26		8.00		Pass
HE40	MCS0	2	3	2422	Full	-11.36	-10.67	-7.66	0.26		8.00		Pass
HE40	MCS0	2	6	2437	Full	-11.46	-11.07	-8.06	0.26		8.00		Pass
HE40	MCS0	2	9	2452	Full	-11.63	-11.06	-8.05	0.26		8.00		Pass

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



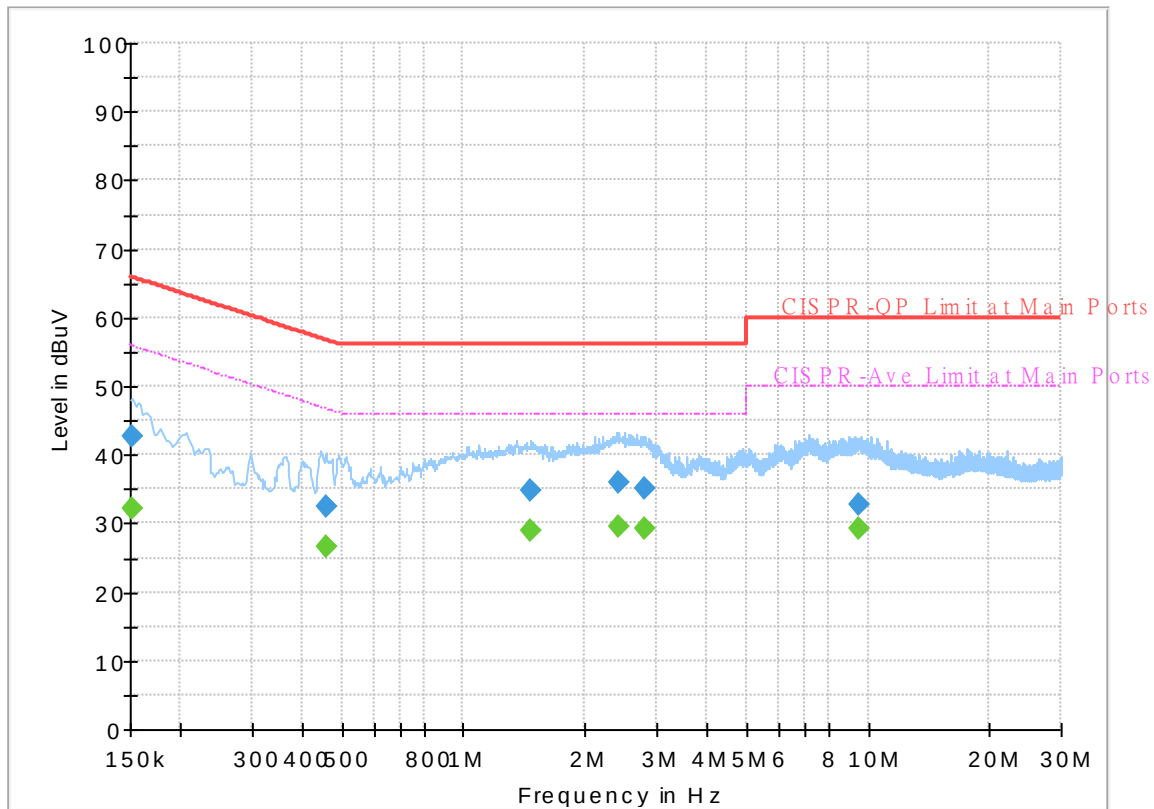
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	Temperature :	23~26°C
		Relative Humidity :	45~55%

EUT Information

Report NO : 1N0901
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



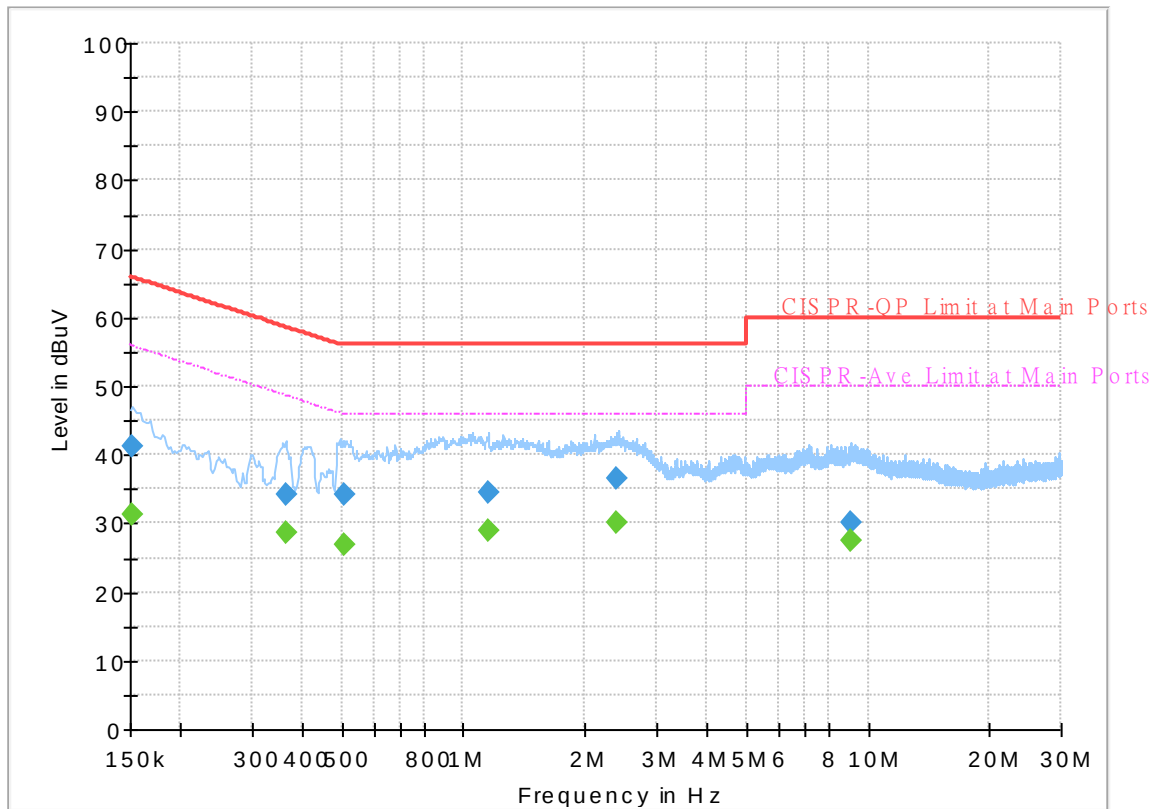
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.17	55.88	23.71	L1	OFF	19.7
0.152250	42.58	---	65.88	23.30	L1	OFF	19.7
0.456000	---	26.62	46.77	20.15	L1	OFF	19.8
0.456000	32.56	---	56.77	24.21	L1	OFF	19.8
1.459500	---	29.02	46.00	16.98	L1	OFF	20.2
1.459500	34.94	---	56.00	21.06	L1	OFF	20.2
2.420250	---	29.45	46.00	16.55	L1	OFF	20.1
2.420250	36.10	---	56.00	19.90	L1	OFF	20.1
2.798250	---	29.21	46.00	16.79	L1	OFF	20.1
2.798250	35.02	---	56.00	20.98	L1	OFF	20.1
9.494250	---	29.24	50.00	20.76	L1	OFF	20.1
9.494250	32.83	---	60.00	27.17	L1	OFF	20.1

EUT Information

Report NO : 1N0901
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	31.41	55.88	24.47	N	OFF	19.7
0.152250	41.20	---	65.88	24.68	N	OFF	19.7
0.363750	---	28.68	48.64	19.96	N	OFF	19.7
0.363750	34.30	---	58.64	24.34	N	OFF	19.7
0.505500	---	26.77	46.00	19.23	N	OFF	19.8
0.505500	34.34	---	56.00	21.66	N	OFF	19.8
1.151250	---	29.00	46.00	17.00	N	OFF	20.2
1.151250	34.45	---	56.00	21.55	N	OFF	20.2
2.395500	---	30.10	46.00	15.90	N	OFF	20.1
2.395500	36.70	---	56.00	19.30	N	OFF	20.1
9.080250	---	27.50	50.00	22.50	N	OFF	20.1
9.080250	30.01	---	60.00	29.99	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Bill Chang, JC Liang and Nick Yu	Temperature :	18~20°C
		Relative Humidity :	65~68%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		2376.255	49.11	-24.89	74	39.77	27.21	18.4	36.27	119	148	P	H
		2389.17	39.38	-14.62	54	29.97	27.26	18.42	36.27	119	148	A	H
	*	2412	112.59	-	-	103.06	27.35	18.46	36.28	119	148	P	H
	*	2412	109.66	-	-	100.13	27.35	18.46	36.28	119	148	A	H
													H
													H
		2388.75	49.03	-24.97	74	39.63	27.25	18.42	36.27	400	45	P	V
		2389.275	38.93	-15.07	54	29.52	27.26	18.42	36.27	400	45	A	V
	*	2412	108.6	-	-	99.07	27.35	18.46	36.28	400	45	P	V
	*	2412	105.64	-	-	96.11	27.35	18.46	36.28	400	45	A	V
													V
													V
802.11b CH 06 2437MHz		2336.56	49.41	-24.59	74	40.24	27.1	18.32	36.25	113	137	P	H
		2390	38.35	-15.65	54	28.94	27.26	18.42	36.27	113	137	A	H
	*	2437	111.67	-	-	102.01	27.45	18.5	36.29	113	137	P	H
	*	2437	108.63	-	-	98.97	27.45	18.5	36.29	113	137	A	H
		2489.04	49.85	-24.15	74	39.91	27.66	18.6	36.32	113	137	P	H
		2484.88	38.75	-15.25	54	28.83	27.64	18.59	36.31	113	137	A	H
		2336.24	50.1	-23.9	74	40.93	27.1	18.32	36.25	397	66	P	V
		2390	37.95	-16.05	54	28.54	27.26	18.42	36.27	397	66	A	V
	*	2437	108.25	-	-	98.59	27.45	18.5	36.29	397	66	P	V
	*	2437	105.25	-	-	95.59	27.45	18.5	36.29	397	66	A	V
		2492.8	50.65	-23.35	74	40.7	27.67	18.6	36.32	397	66	P	V
		2488.32	38.47	-15.53	54	28.54	27.65	18.59	36.31	397	66	A	V



802.11b CH 11 2462MHz	*	2462	111.56	-	-	101.76	27.55	18.55	36.3	149	139	P	H
	*	2462	108.42	-	-	98.62	27.55	18.55	36.3	149	139	A	H
		2489.36	50.69	-23.31	74	40.75	27.66	18.6	36.32	149	139	P	H
		2486.84	40.32	-13.68	54	30.39	27.65	18.59	36.31	149	139	A	H
													H
													H
	*	2462	108.92	-	-	99.12	27.55	18.55	36.3	388	67	P	V
	*	2462	105.83	-	-	96.03	27.55	18.55	36.3	388	67	A	V
		2485.48	51.3	-22.7	74	41.38	27.64	18.59	36.31	388	67	P	V
		2486.76	40.09	-13.91	54	30.16	27.65	18.59	36.31	388	67	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. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	42.15	-31.85	74	34.68	32.3	12.73	37.56	-	-	P	H
													H
													H
		4824	43.12	-30.88	74	35.65	32.3	12.73	37.56	-	-	P	V
													V
													V
802.11b CH 06 2437MHz		4874	42.96	-31.04	74	35.25	32.54	12.77	37.6	-	-	P	H
		7311	47.52	-26.48	74	33.89	36.78	15.38	38.53	-	-	P	H
													H
													H
		4874	43.72	-30.28	74	36.01	32.54	12.77	37.6	-	-	P	V
		7311	47.67	-26.33	74	34.04	36.78	15.38	38.53	-	-	P	V
													V
													V
802.11b CH 11 2462MHz		4924	44	-30	74	36	32.84	12.79	37.63	-	-	P	H
		7386	46.71	-27.29	74	33.43	36.41	15.46	38.59	-	-	P	H
													H
													H
		4924	43.33	-30.67	74	35.33	32.84	12.79	37.63	-	-	P	V
		7386	47.97	-26.03	74	34.69	36.41	15.46	38.59	-	-	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



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

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2390	63.52	-10.48	74	54.11	27.26	18.42	36.27	132	100	P	H
		2390	50.05	-3.95	54	40.64	27.26	18.42	36.27	132	100	A	H
	*	2412	112.51	-	-	102.98	27.35	18.46	36.28	132	100	P	H
	*	2412	104.5	-	-	94.97	27.35	18.46	36.28	132	100	A	H
													H
													H
		2390	59.7	-14.3	74	50.29	27.26	18.42	36.27	399	41	P	V
		2390	46.84	-7.16	54	37.43	27.26	18.42	36.27	399	41	A	V
	*	2412	110.58	-	-	101.05	27.35	18.46	36.28	399	41	P	V
	*	2412	103.4	-	-	93.87	27.35	18.46	36.28	399	41	A	V
													V
													V
802.11g CH 06 2437MHz		2389.04	50.96	-23.04	74	41.55	27.26	18.42	36.27	119	99	P	H
		2390	38.84	-15.16	54	29.43	27.26	18.42	36.27	119	99	A	H
	*	2437	112.58	-	-	102.92	27.45	18.5	36.29	119	99	P	H
	*	2437	104.82	-	-	95.16	27.45	18.5	36.29	119	99	A	H
		2483.84	50.28	-23.72	74	40.36	27.64	18.59	36.31	119	99	P	H
		2483.52	39.01	-14.99	54	29.1	27.63	18.59	36.31	119	99	A	H
		2325.04	49.67	-24.33	74	40.51	27.1	18.3	36.24	394	42	P	V
		2390	38.3	-15.7	54	28.89	27.26	18.42	36.27	394	42	A	V
	*	2437	112.3	-	-	102.64	27.45	18.5	36.29	394	42	P	V
	*	2437	104.59	-	-	94.93	27.45	18.5	36.29	394	42	A	V
		2491.12	50	-24	74	40.06	27.66	18.6	36.32	394	42	P	V
		2483.76	38.85	-15.15	54	28.93	27.64	18.59	36.31	394	42	A	V



802.11g CH 11 2462MHz	*	2462	110.96	-	-	101.16	27.55	18.55	36.3	131	246	P	H
	*	2462	103.12	-	-	93.32	27.55	18.55	36.3	131	246	A	H
		2483.52	62.23	-11.77	74	52.32	27.63	18.59	36.31	131	246	P	H
		2483.52	50.31	-3.69	54	40.4	27.63	18.59	36.31	131	246	A	H
													H
													H
	*	2462	110.55	-	-	100.75	27.55	18.55	36.3	381	67	P	V
	*	2462	102.78	-	-	92.98	27.55	18.55	36.3	381	67	A	V
		2484.64	61.9	-12.1	74	51.98	27.64	18.59	36.31	381	67	P	V
		2485.64	48.33	-5.67	54	38.41	27.64	18.59	36.31	381	67	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	44.38	-29.62	74	36.91	32.3	12.73	37.56	-	-	P	H
													H
													H
		4824	43.28	-30.72	74	35.81	32.3	12.73	37.56	-	-	P	V
													V
802.11g CH 06 2437MHz		4874	42.3	-31.7	74	34.59	32.54	12.77	37.6	-	-	P	H
		7311	47.21	-26.79	74	33.58	36.78	15.38	38.53	-	-	P	H
													H
													H
		4874	42.16	-31.84	74	34.45	32.54	12.77	37.6	-	-	P	V
		7311	47.88	-26.12	74	34.25	36.78	15.38	38.53	-	-	P	V
													V
													V
802.11g CH 11 2462MHz		4924	43.27	-30.73	74	35.27	32.84	12.79	37.63	-	-	P	H
		7386	46.77	-27.23	74	33.49	36.41	15.46	38.59	-	-	P	H
													H
													H
		4924	43.94	-30.06	74	35.94	32.84	12.79	37.63	-	-	P	V
		7386	46.85	-27.15	74	33.57	36.41	15.46	38.59	-	-	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



2.4GHz 2400~2483.5MHz

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

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 01 2412MHz		2389.695	62.4	-11.6	74	52.99	27.26	18.42	36.27	119	293	P	H
		2390	50.1	-3.9	54	40.69	27.26	18.42	36.27	119	293	A	H
	*	2412	111.16	-	-	101.63	27.35	18.46	36.28	119	293	P	H
	*	2412	100.9	-	-	91.37	27.35	18.46	36.28	119	293	A	H
													H
													H
		2390	58.06	-15.94	74	48.65	27.26	18.42	36.27	360	46	P	V
		2390	46.28	-7.72	54	36.87	27.26	18.42	36.27	360	46	A	V
	*	2412	105.65	-	-	96.12	27.35	18.46	36.28	360	46	P	V
	*	2412	95.75	-	-	86.22	27.35	18.46	36.28	360	46	A	V
													V
													V
802.11ax HE20 Full CH 06 2437MHz		2388.56	49.88	-24.12	74	40.48	27.25	18.42	36.27	111	292	P	H
		2390	39.58	-14.42	54	30.17	27.26	18.42	36.27	111	292	A	H
	*	2437	111.32	-	-	101.66	27.45	18.5	36.29	111	292	P	H
	*	2437	101.72	-	-	92.06	27.45	18.5	36.29	111	292	A	H
		2484.72	50.58	-23.42	74	40.66	27.64	18.59	36.31	111	292	P	H
		2483.52	40.14	-13.86	54	30.23	27.63	18.59	36.31	111	292	A	H
		2389.2	49.19	-24.81	74	39.78	27.26	18.42	36.27	355	64	P	V
		2389.84	38.67	-15.33	54	29.26	27.26	18.42	36.27	355	64	A	V
	*	2437	111.72	-	-	102.06	27.45	18.5	36.29	355	64	P	V
	*	2437	101.37	-	-	91.71	27.45	18.5	36.29	355	64	A	V
		2486.48	49.59	-24.41	74	39.66	27.65	18.59	36.31	355	64	P	V
		2484.96	38.54	-15.46	54	28.62	27.64	18.59	36.31	355	64	A	V



WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 11 2462MHz	*	2462	109.77	-	-	99.97	27.55	18.55	36.3	116	296	P	H
	*	2462	100.44	-	-	90.64	27.55	18.55	36.3	116	296	A	H
		2483.64	63.17	-10.83	74	53.26	27.63	18.59	36.31	116	296	P	H
		2483.52	50.88	-3.12	54	40.97	27.63	18.59	36.31	116	296	A	H
													H
													H
	*	2462	106.03	-	-	96.23	27.55	18.55	36.3	381	45	P	V
	*	2462	97.31	-	-	87.51	27.55	18.55	36.3	381	45	A	V
		2483.68	58.2	-15.8	74	48.29	27.63	18.59	36.31	381	45	P	V
		2483.52	47.6	-6.4	54	37.69	27.63	18.59	36.31	381	45	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 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 01 2412MHz		4824	42.29	-31.71	74	34.82	32.3	12.73	37.56	-	-	P	H
													H
													H
		4824	42.06	-31.94	74	34.59	32.3	12.73	37.56	-	-	P	V
													V
													V
802.11ax HE20 Full CH 06 2437MHz		4874	42.44	-31.56	74	34.73	32.54	12.77	37.6	-	-	P	H
		7311	47.32	-26.68	74	33.69	36.78	15.38	38.53	-	-	P	H
													H
													H
		4874	42.66	-31.34	74	34.95	32.54	12.77	37.6	-	-	P	V
		7311	47.1	-26.9	74	33.47	36.78	15.38	38.53	-	-	P	V
													V
													V
802.11ax HE20 Full CH 11 2462MHz		4924	43.24	-30.76	74	35.24	32.84	12.79	37.63	-	-	P	H
		7386	46.34	-27.66	74	33.06	36.41	15.46	38.59	-	-	P	H
													H
													H
		4924	43.48	-30.52	74	35.48	32.84	12.79	37.63	-	-	P	V
		7386	47.05	-26.95	74	33.77	36.41	15.46	38.59	-	-	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 01 2412MHz		2389.59	67.51	-6.49	74	58.1	27.26	18.42	36.27	100	147	P	H
		2390	45.75	-8.25	54	36.34	27.26	18.42	36.27	100	147	A	H
	*	2412	116.4	-	-	106.87	27.35	18.46	36.28	100	147	P	H
	*	2412	108.79	-	-	99.26	27.35	18.46	36.28	100	147	A	H
													H
													H
		2389.695	62.9	-11.1	74	53.49	27.26	18.42	36.27	364	64	P	V
		2390	40.15	-13.85	54	30.74	27.26	18.42	36.27	364	64	A	V
	*	2412	110.64	-	-	101.11	27.35	18.46	36.28	364	64	P	V
	*	2412	103.7	-	-	94.17	27.35	18.46	36.28	364	64	A	V
													V
													V
802.11ax HE20 Partial 26/8 CH 11 2462MHz	*	2462	121.68	-	-	111.88	27.55	18.55	36.3	132	141	P	H
	*	2462	113.26	-	-	103.46	27.55	18.55	36.3	132	141	A	H
		2483.8	68.35	-5.65	74	58.43	27.64	18.59	36.31	132	141	P	H
		2483.52	46.07	-7.93	54	36.16	27.63	18.59	36.31	132	141	A	H
													H
													H
	*	2462	118.86	-	-	109.06	27.55	18.55	36.3	299	58	P	V
	*	2462	109.5	-	-	99.7	27.55	18.55	36.3	299	58	A	V
		2483.52	64.79	-9.21	74	54.88	27.63	18.59	36.31	299	58	P	V
		2483.56	43.6	-10.4	54	33.69	27.63	18.59	36.31	299	58	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 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 01 2412MHz		4824	42.53	-31.47	74	35.06	32.3	12.73	37.56	-	-	P	H
													H
													H
		4824	43.25	-30.75	74	35.78	32.3	12.73	37.56	-	-	P	V
													V
													V
802.11ax HE20 Partial 26/8 CH 11 2462MHz		4924	44.13	-29.87	74	36.13	32.84	12.79	37.63	-	-	P	H
		7386	46.84	-27.16	74	33.56	36.41	15.46	38.59	-	-	P	H
													H
													H
		4924	43.5	-30.5	74	35.5	32.84	12.79	37.63	-	-	P	V
		7386	47.01	-26.99	74	33.73	36.41	15.46	38.59	-	-	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 03 2422MHz		2387.76	62.42	-11.58	74	53.02	27.25	18.42	36.27	117	140	P	H
		2390	50.89	-3.11	54	41.48	27.26	18.42	36.27	117	140	A	H
	*	2422	109.17	-	-	99.59	27.39	18.48	36.29	117	140	P	H
	*	2422	98.58	-	-	89	27.39	18.48	36.29	117	140	A	H
		2483.6	50.33	-23.67	74	40.42	27.63	18.59	36.31	100	147	P	H
		2483.6	39.72	-14.28	54	29.81	27.63	18.59	36.31	100	147	A	H
		2390	58.87	-15.13	74	49.46	27.26	18.42	36.27	400	64	P	V
		2390	46.95	-7.05	54	37.54	27.26	18.42	36.27	400	64	A	V
	*	2422	105.98	-	-	96.4	27.39	18.48	36.29	400	64	P	V
	*	2422	96.32	-	-	86.74	27.39	18.48	36.29	400	64	A	V
		2495.68	49.61	-24.39	74	39.64	27.68	18.61	36.32	400	64	P	V
		2483.6	38.96	-15.04	54	29.05	27.63	18.59	36.31	400	64	A	V
802.11ax HE40 Full CH 06 2437MHz		2389.84	58.61	-15.39	74	49.2	27.26	18.42	36.27	100	96	P	H
		2390	46.3	-7.7	54	36.89	27.26	18.42	36.27	100	96	A	H
	*	2437	107.46	-	-	97.8	27.45	18.5	36.29	100	96	P	H
	*	2437	97.76	-	-	88.1	27.45	18.5	36.29	100	96	A	H
		2484.24	56.95	-17.05	74	47.03	27.64	18.59	36.31	100	96	P	H
		2483.52	44.76	-9.24	54	34.85	27.63	18.59	36.31	100	96	A	H
		2389.36	57.18	-16.82	74	47.77	27.26	18.42	36.27	368	60	P	V
		2390	45.72	-8.28	54	36.31	27.26	18.42	36.27	368	60	A	V
	*	2437	105.72	-	-	96.06	27.45	18.5	36.29	368	60	P	V
	*	2437	95.5	-	-	85.84	27.45	18.5	36.29	368	60	A	V
		2483.6	54.83	-19.17	74	44.92	27.63	18.59	36.31	368	60	P	V
		2483.52	43.21	-10.79	54	33.3	27.63	18.59	36.31	368	60	A	V



WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 09 2452MHz		2390	49.87	-24.13	74	40.46	27.26	18.42	36.27	114	299	P	H
		2390	40.31	-13.69	54	30.9	27.26	18.42	36.27	114	299	A	H
	*	2452	107.78	-	-	98.04	27.51	18.53	36.3	114	299	P	H
	*	2452	98.13	-	-	88.39	27.51	18.53	36.3	114	299	A	H
		2484	60.5	-13.5	74	50.58	27.64	18.59	36.31	114	299	P	H
		2483.52	49.56	-4.44	54	39.65	27.63	18.59	36.31	114	299	A	H
		2390	49.83	-24.17	74	40.42	27.26	18.42	36.27	381	47	P	V
		2390	38.63	-15.37	54	29.22	27.26	18.42	36.27	381	47	A	V
	*	2452	105.8	-	-	96.06	27.51	18.53	36.3	381	47	P	V
	*	2452	95.99	-	-	86.25	27.51	18.53	36.3	381	47	A	V
		2485.6	58.91	-15.09	74	48.99	27.64	18.59	36.31	381	47	P	V
		2483.52	47.32	-6.68	54	37.41	27.63	18.59	36.31	381	47	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 03 2422MHz		4844	42.8	-31.2	74	35.25	32.38	12.74	37.57	-	-	P	H
		7266	47.09	-26.91	74	33.29	36.94	15.35	38.49	-	-	P	H
													H
													H
		4844	42.8	-31.2	74	35.25	32.38	12.74	37.57	-	-	P	V
		7266	48.29	-25.71	74	34.49	36.94	15.35	38.49	-	-	P	V
													V
													V
802.11ax HE40 Full CH 06 2437MHz		4874	42.81	-31.19	74	35.1	32.54	12.77	37.6	-	-	P	H
		7311	47.12	-26.88	74	33.49	36.78	15.38	38.53	-	-	P	H
													H
													H
		4874	42.6	-31.4	74	34.89	32.54	12.77	37.6	-	-	P	V
		7311	47.62	-26.38	74	33.99	36.78	15.38	38.53	-	-	P	V
													V
													V
802.11ax HE40 Full CH 09 2452MHz		4904	43.62	-30.38	74	35.74	32.72	12.78	37.62	-	-	P	H
		7356	47.57	-26.43	74	34.05	36.65	15.43	38.56	-	-	P	H
													H
													H
		4904	43.37	-30.63	74	35.49	32.72	12.78	37.62	-	-	P	V
		7356	47.56	-26.44	74	34.04	36.65	15.43	38.56	-	-	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



**Emission below 1GHz
2.4GHz WIFI 802.11ax HE40 (LF)**

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
2.4GHz 802.11ax HE40 LF		30	23.66	-16.34	40	34.06	24.37	0.95	35.72	-	-	P	H
		95.96	23.83	-19.67	43.5	42.55	15.25	1.69	35.66	-	-	P	H
		287.05	28.19	-17.81	46	41.39	19.12	2.96	35.28	-	-	P	H
		647.89	29.25	-16.75	46	32.93	26.12	4.45	34.25	-	-	P	H
		766.23	31.05	-14.95	46	32.25	27.73	4.9	33.83	-	-	P	H
		959.26	34.79	-11.21	46	31.53	30.72	5.65	33.11	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.97	33.58	-6.42	40	44.43	23.9	0.97	35.72	-	-	P	V
		167.74	24	-19.5	43.5	41.62	15.67	2.24	35.53	-	-	P	V
		364.65	22.7	-23.3	46	33.69	20.76	3.31	35.06	-	-	P	V
		660.5	29.1	-16.9	46	32.69	26.11	4.5	34.2	-	-	P	V
		834.13	31.84	-14.16	46	31.95	28.28	5.2	33.59	-	-	P	V
		955.38	34.74	-11.26	46	31.64	30.6	5.25	33.13	-	-	P	V
													V
													V
													V
													V
													V
													V
													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 with sufficient margin against limit line or noise floor only.												



<EUT with WPC Charging Mode>

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
16+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 03 2422MHz		2389.2	60.3	-13.7	74	50.89	27.26	8.39	36.27	129	114	P	H
		2390	50.35	-3.65	54	40.94	27.26	8.39	36.27	129	114	A	H
	*	2422	107.74	-	-	98.16	27.39	8.45	36.29	129	114	P	H
	*	2422	97.92	-	-	88.34	27.39	8.45	36.29	129	114	A	H
		2487.28	49.23	-24.77	74	39.3	27.65	8.56	36.31	129	114	P	H
		2485.84	38.91	-15.09	54	28.99	27.64	8.56	36.31	129	114	A	H
		2388.88	58.2	-15.8	74	48.79	27.26	8.39	36.27	400	64	P	V
		2390	48.21	-5.79	54	38.8	27.26	8.39	36.27	400	64	A	V
	*	2422	107.05	-	-	97.47	27.39	8.45	36.29	400	64	P	V
	*	2422	97.55	-	-	87.97	27.39	8.45	36.29	400	64	A	V
		2488.08	49.7	-24.3	74	39.77	27.65	8.56	36.31	400	64	P	V
		2484.16	39.01	-14.99	54	29.09	27.64	8.56	36.31	400	64	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**2.4GHz 2400~2483.5MHz****WIFI 802.11 ax HE40 Full (Harmonic @ 3m)**

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 03 2422MHz		4844	42.15	-31.85	74	34.6	32.38	12.26	37.57	-	-	P	H
		7266	47.4	-26.6	74	33.6	36.94	14.88	38.49	-	-	P	H
													H
													H
													H
		4844	43.01	-30.99	74	35.46	32.38	12.26	37.57	-	-	P	V
		7266	47.64	-26.36	74	33.84	36.94	14.88	38.49	-	-	P	V
													V
													V
													V



Emission below 1GHz
2.4GHz WIFI 802.11ax HE40 (LF)

WIFI Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
2.4GHz 802.11ax HE40 LF		97.9	28.66	-14.84	43.5	46.96	15.63	1.65	35.65	-	-	P	H
		211.39	28.08	-15.42	43.5	45.94	15.07	2.46	35.45	-	-	P	H
		334.58	29.44	-16.56	46	41.45	19.95	3.11	35.15	-	-	P	H
		560.59	27.66	-18.34	46	32.11	25.92	4.03	34.54	-	-	P	H
		714.82	31.13	-14.87	46	33.86	26.58	4.56	34.02	-	-	P	H
		931.13	34.23	-11.77	46	32.45	29.44	5.19	33.23	-	-	P	H
													H
													H
													H
													H
													H
													H
		31.94	28.98	-11.02	40	40.23	23.49	0.97	35.72	147	152	QP	V
		95.96	26.8	-16.7	43.5	45.52	15.25	1.63	35.66	-	-	P	V
		211.39	26.85	-16.65	43.5	44.71	15.07	2.46	35.45	-	-	P	V
		429.64	28.15	-17.85	46	36.56	22.85	3.53	34.89	-	-	P	V
		709.97	29.87	-16.13	46	32.76	26.44	4.55	34.03	-	-	P	V
		944.71	35.01	-10.99	46	32.36	30.22	5.22	33.17	-	-		V
													V
													V
													V
													V
													V
													V
													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 with sufficient margin against limit line or 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 Ant. 16+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01 2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Bill Chang, JC Liang and Nick Yu	Temperature :	18~20°C
		Relative Humidity :	65~68%

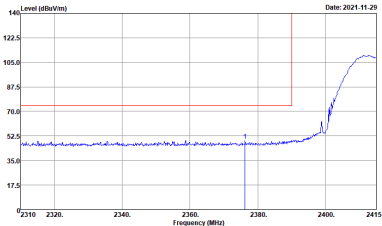
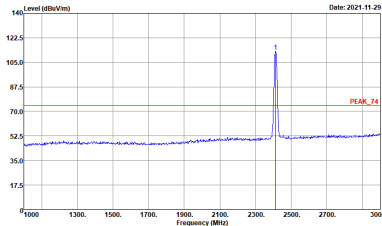
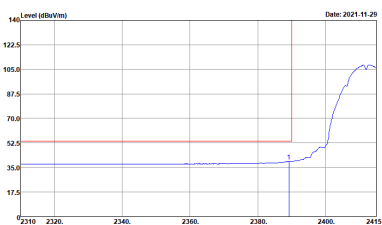
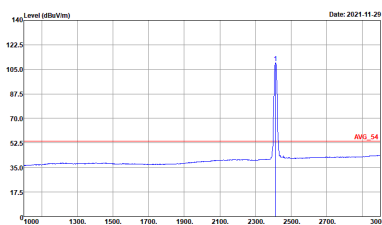
Note symbol

-L	Low channel location
-R	High channel location



2.4GHz 2400~2483.5MHz

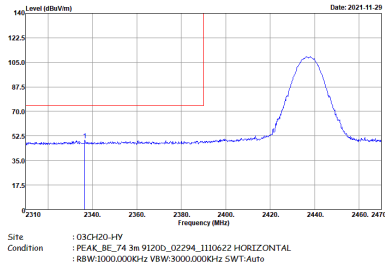
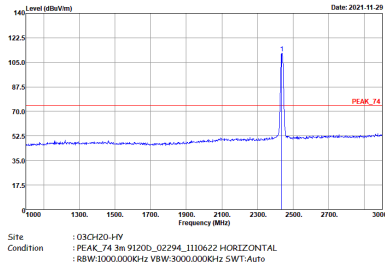
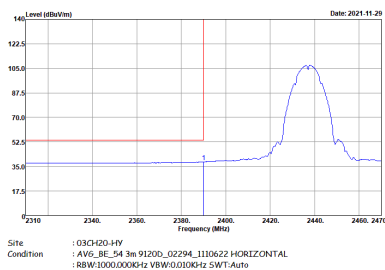
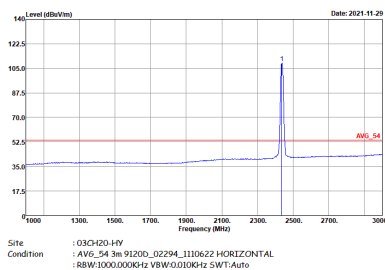
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

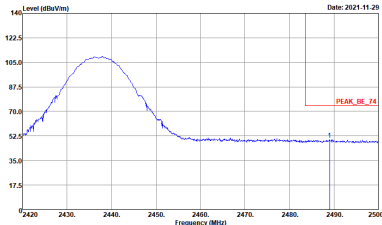
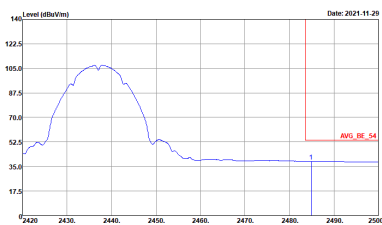


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
16+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
16+18	Horizontal	Fundamental
Peak	 Site: 03CH20-HY Condition: : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site: 03CH20-HY Condition: : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site: 03CH20-HY Condition: : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	 Site: 03CH20-HY Condition: : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto

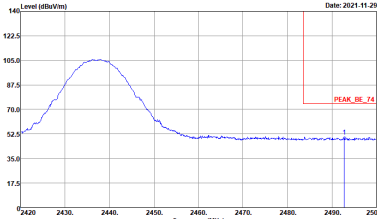
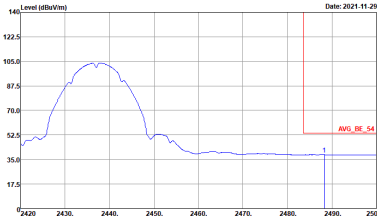


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
16+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
16+18	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
16+18	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto

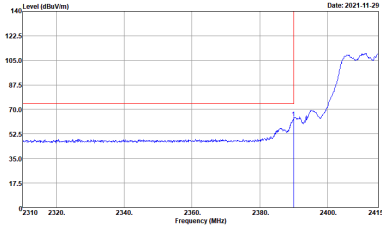
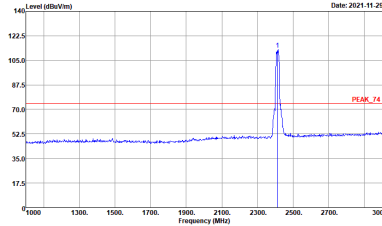
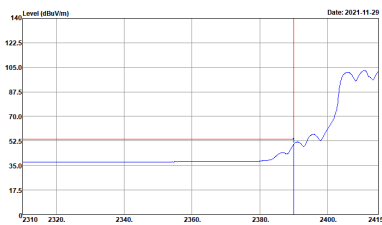
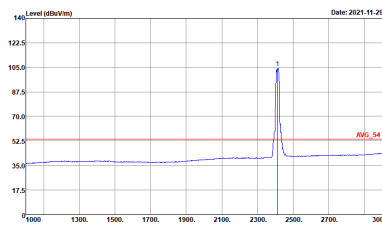


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
16+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_F4 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_F4 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



2.4GHz 2400~2483.5MHz

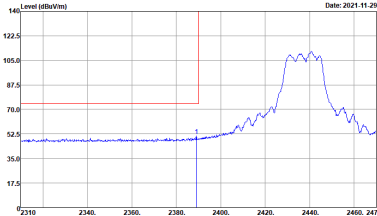
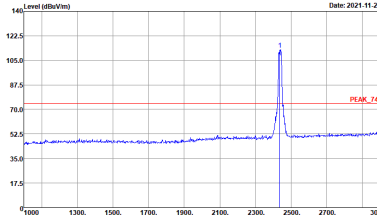
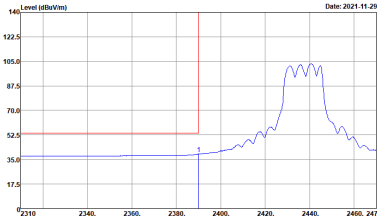
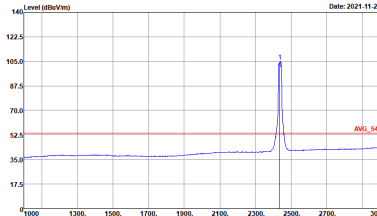
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto

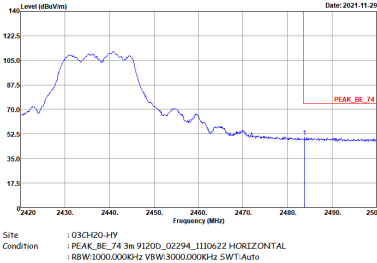
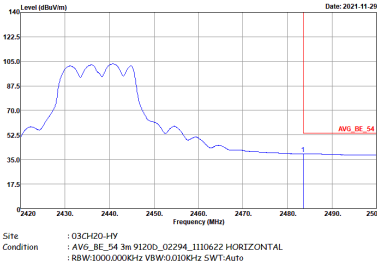


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
16+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

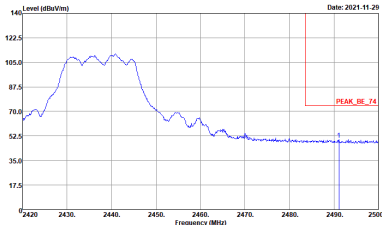
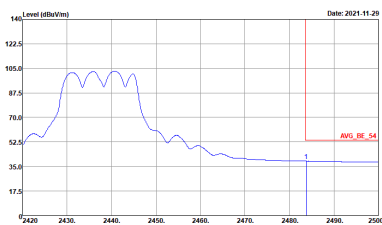


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
16+18	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

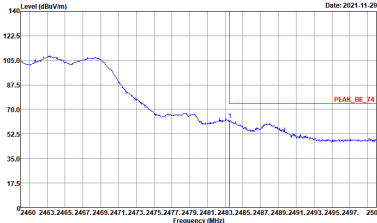
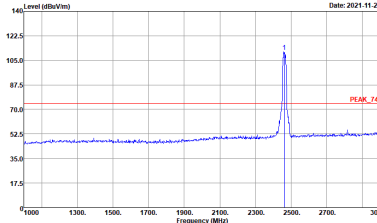
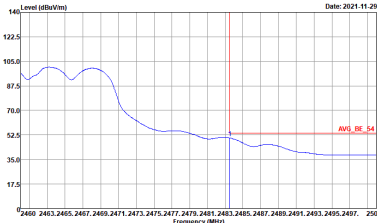
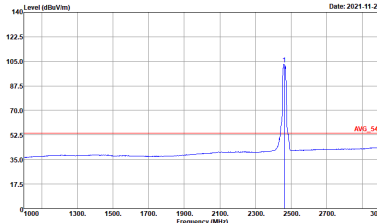


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
16+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

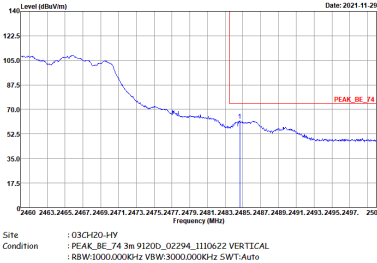
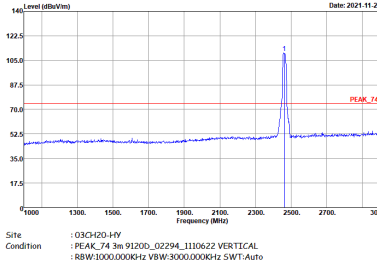
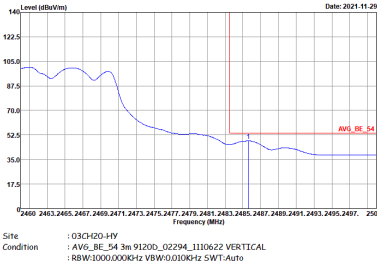
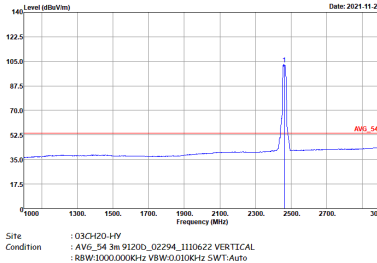


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
16+18	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left Blank
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left Blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

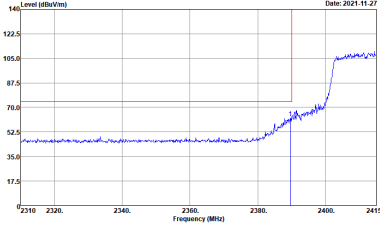
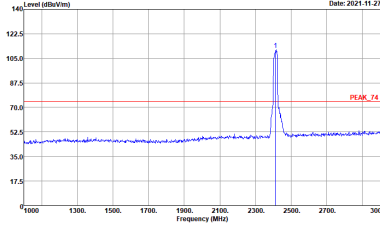
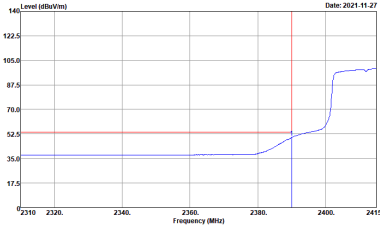
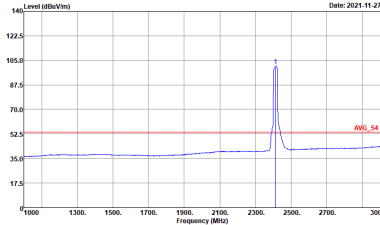


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
16+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



2.4GHz 2400~2483.5MHz

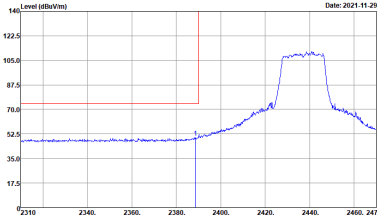
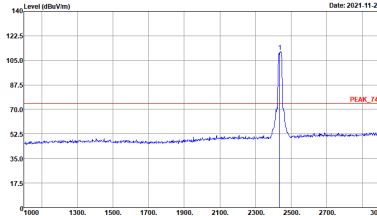
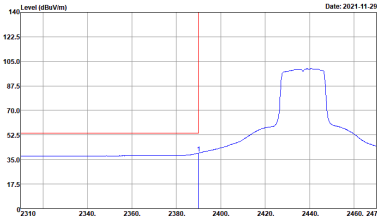
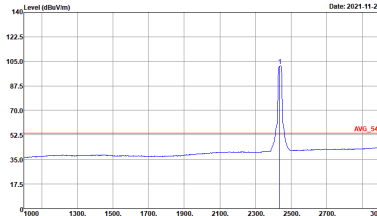
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

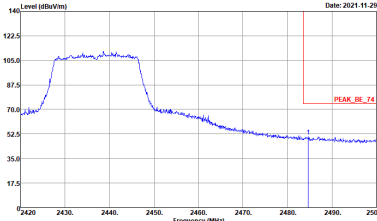
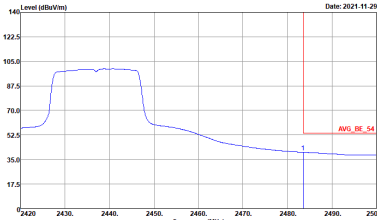


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
16+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

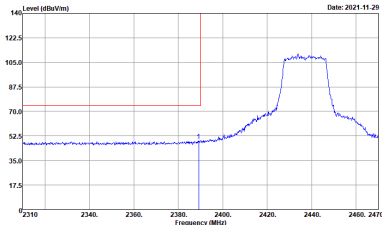
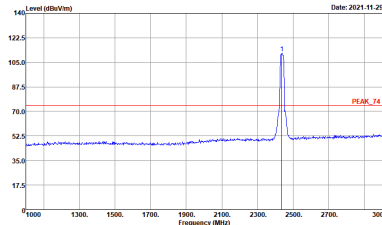
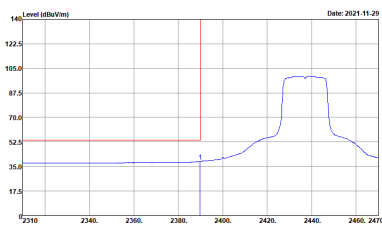
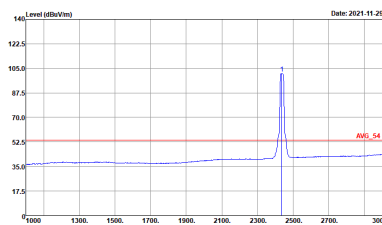


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

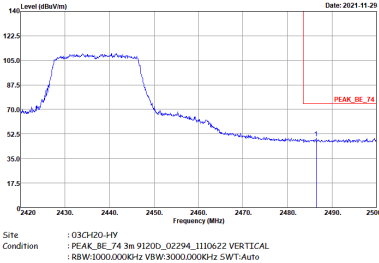
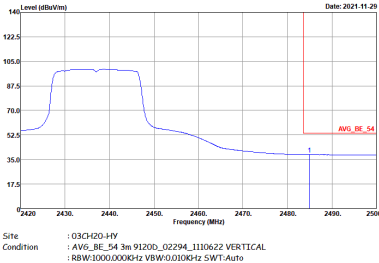


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 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	
16+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
16+18	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
16+18	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto

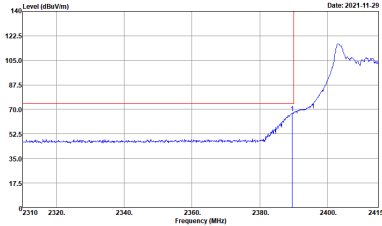
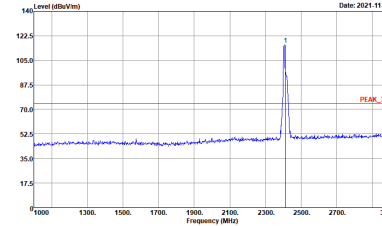
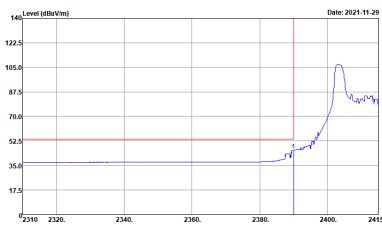
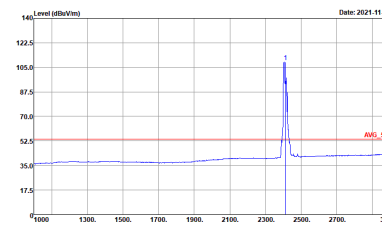


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
16+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

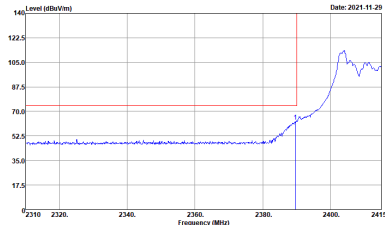
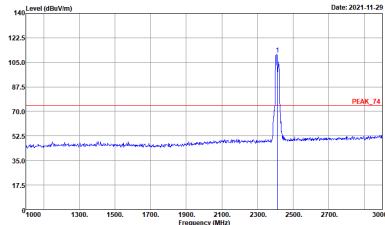
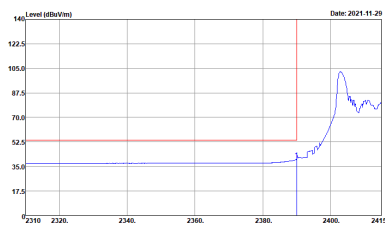
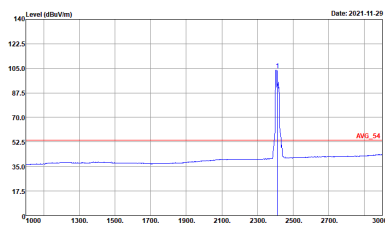


2.4GHz 2400~2483.5MHz

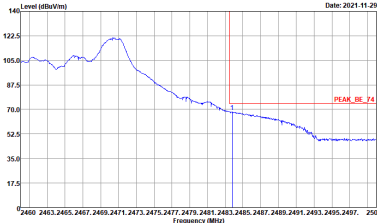
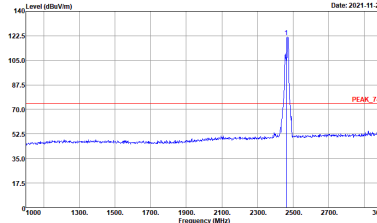
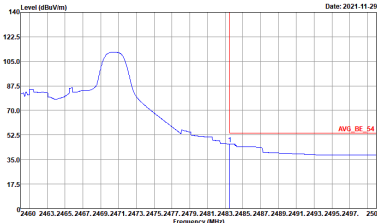
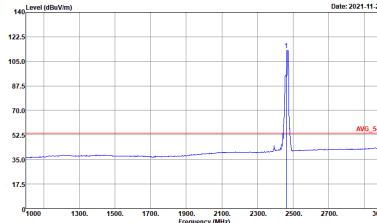
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH01 2412MHz	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

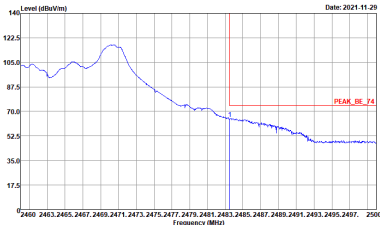
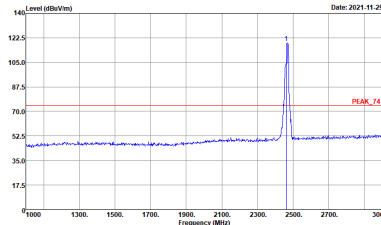
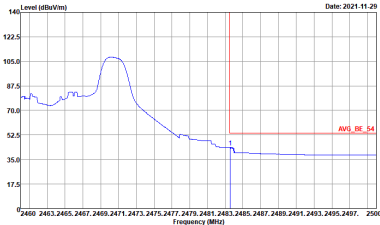
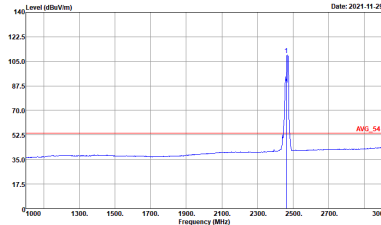


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH01 2412MHz	
16+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH11 2462MHz	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto

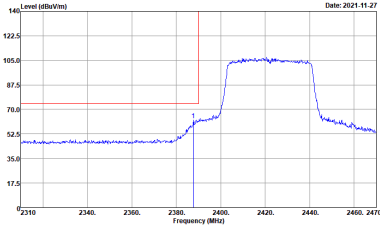
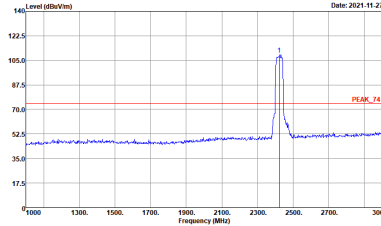
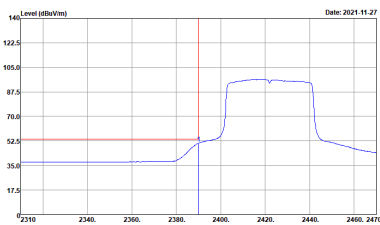
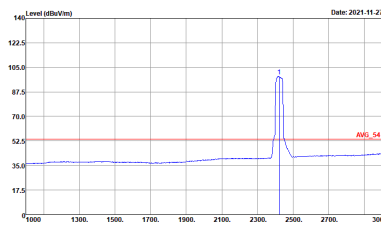


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH11 2462MHz	
16+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_F4 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_F4 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

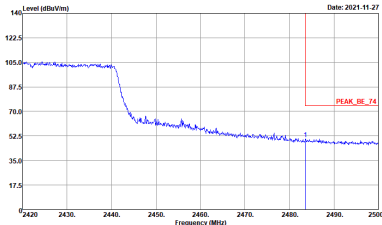
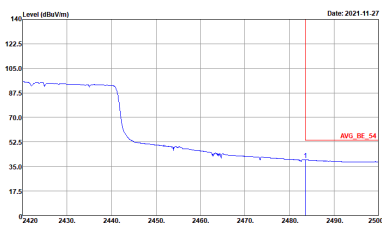


2.4GHz 2400~2483.5MHz

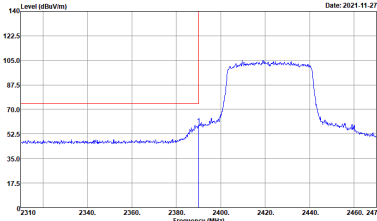
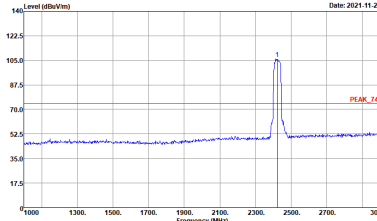
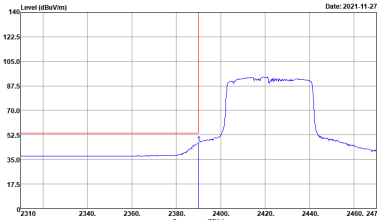
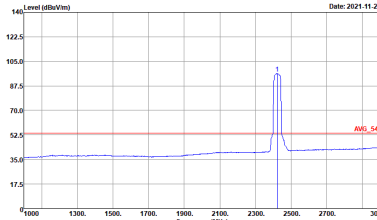
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

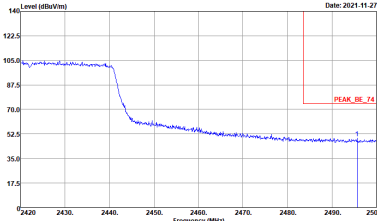
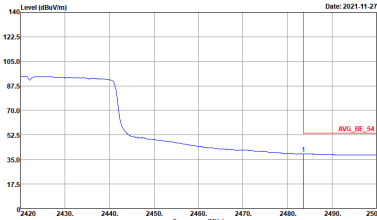


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
16+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000kHz VBW:3000.0000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000kHz VBW:3000.0000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000kHz VBW:0.0100kHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000kHz VBW:0.0100kHz SWT:Auto

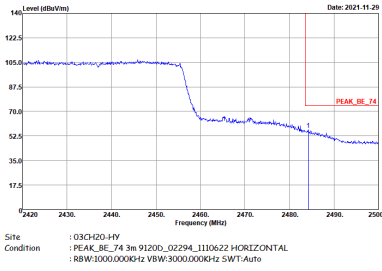
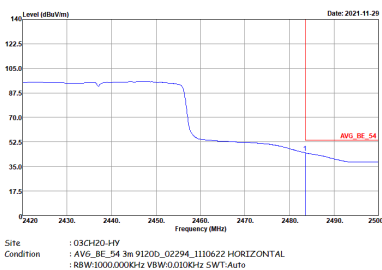


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
16+18	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

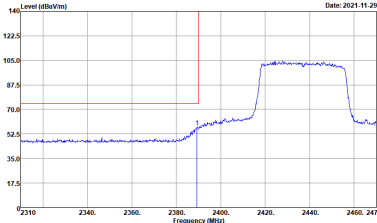
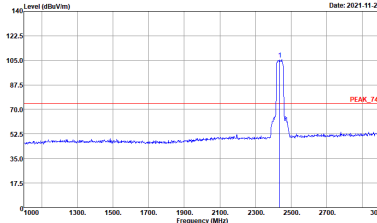
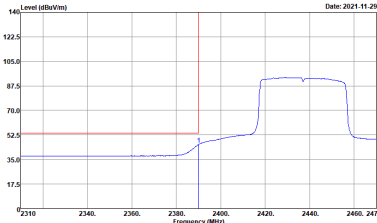
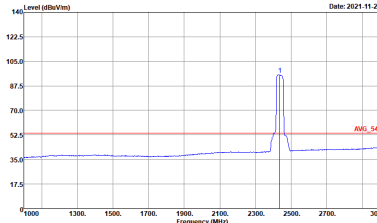


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
16+18	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto

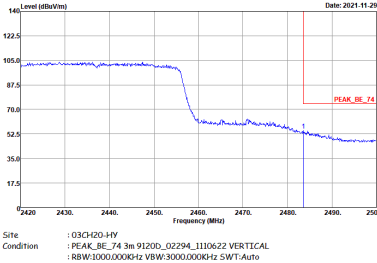
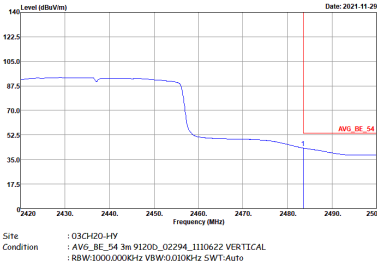


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
16+18	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

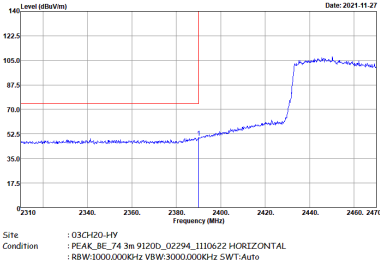
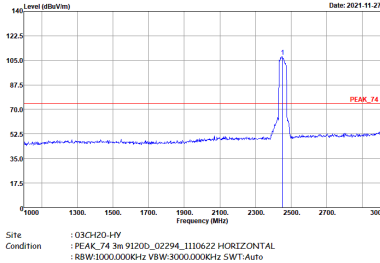
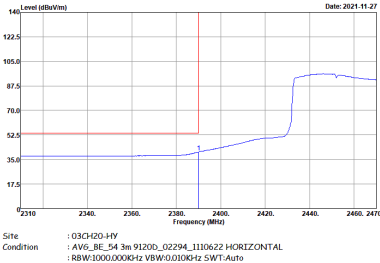
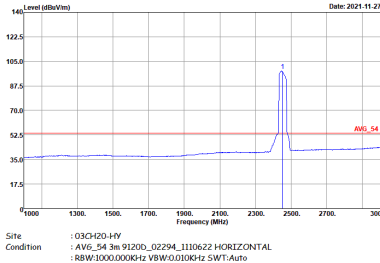


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
16+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto

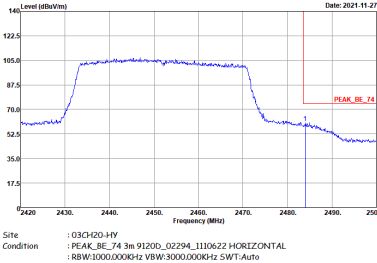
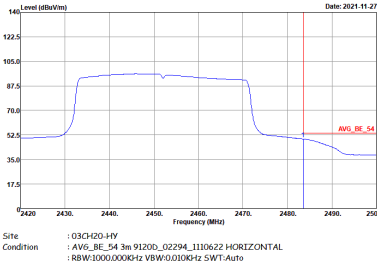


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
16+18	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

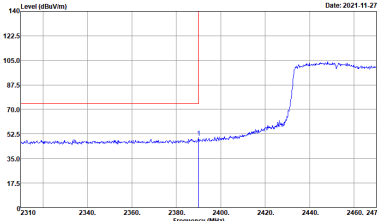
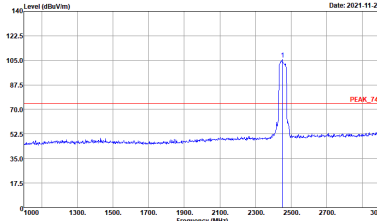
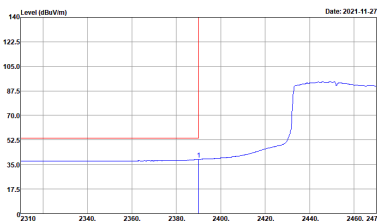
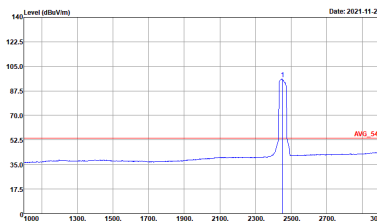


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - L	
16+18	Horizontal	Fundamental
Peak		
Avg.		

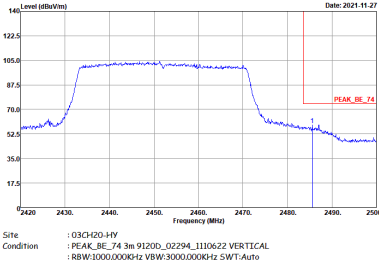
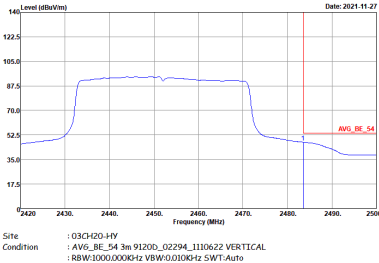


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - R	
16+18	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



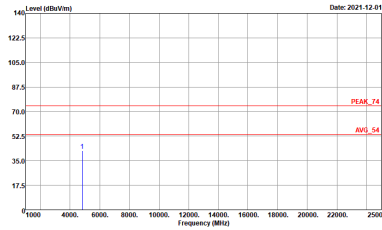
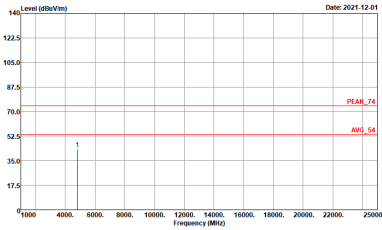
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - L	
16+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



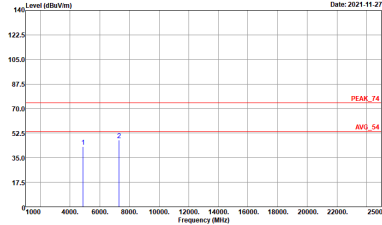
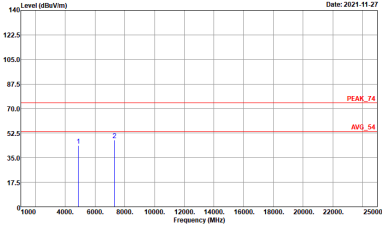
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - R	
16+18	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



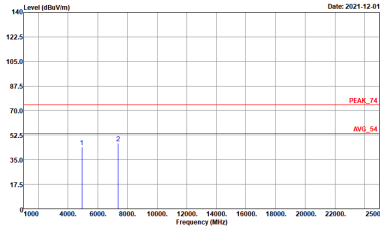
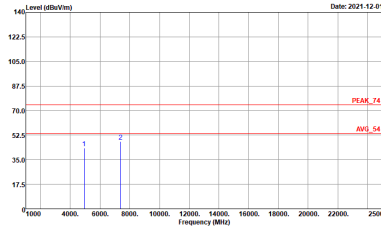
2.4GHz 2400~2483.5MHz
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
16+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH020-1FY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH020-1FY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
16+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-14Y Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH02-14Y Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL



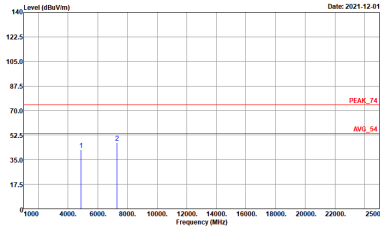
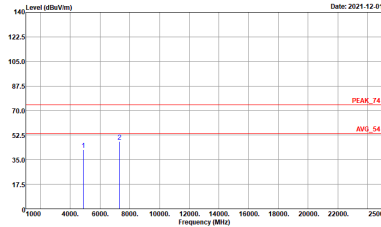
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
16+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL



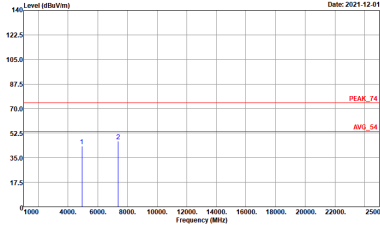
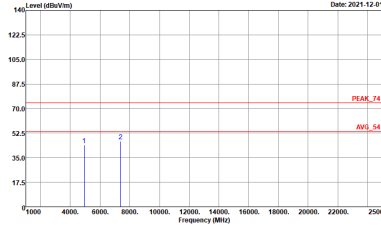
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
16+18	Horizontal	Vertical
Peak Avg.	Site : 03CH020-1HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	Site : 03CH020-1HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL

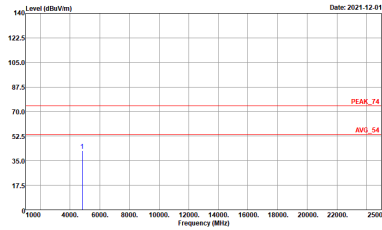
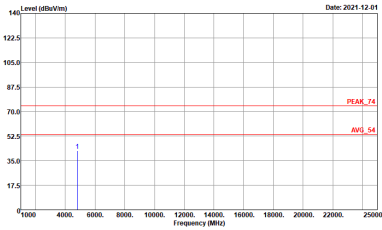


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
16+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH020-14Y Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH020-14Y Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
16+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL

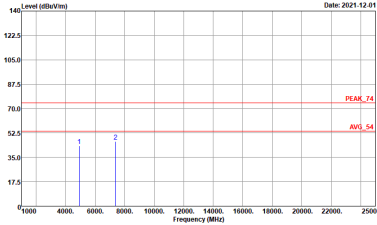
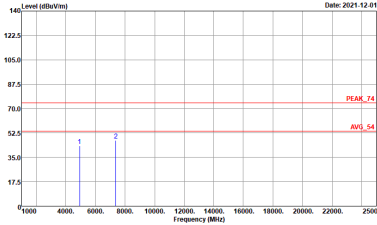
**2.4GHz 2400~2483.5MHz****WIFI 802.11 ax HE20 Full (Harmonic @ 3m)**

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH01 2412MHz	
16+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-1FY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-1FY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH06 2437MHz	
16+18	Horizontal	Vertical
Peak Avg.	Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL

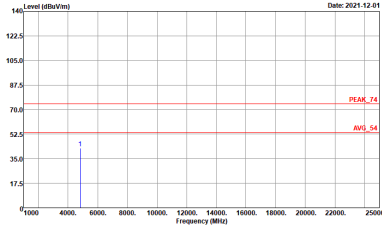
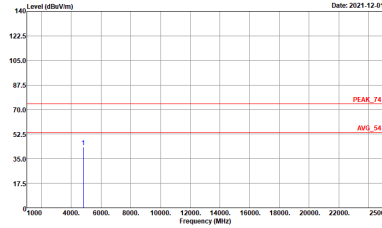


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH11 2462MHz	
16+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-4FY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-4FY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL

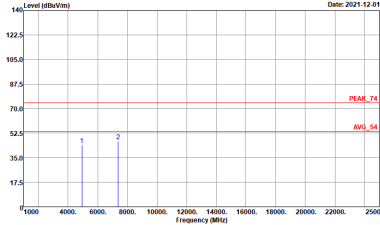
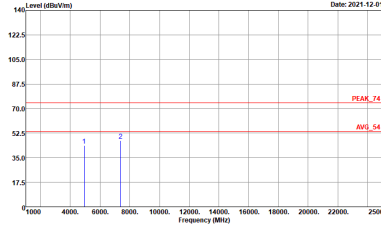


2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH01 2412MHz	
16+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH020-1HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH020-1HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL

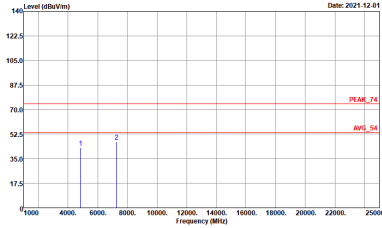
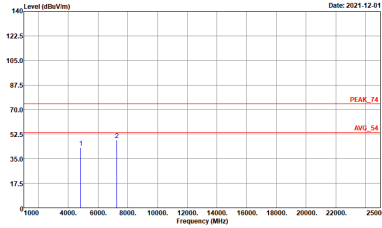


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH11 2462MHz	
16+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE40 Full (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE40 Full CH03 2422MHz	
16+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH020-1FY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH020-1FY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE40 Full CH06 2437MHz	
16+18	Horizontal	Vertical
Peak Avg.	Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL

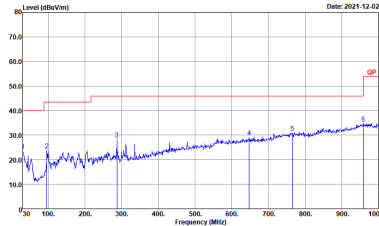
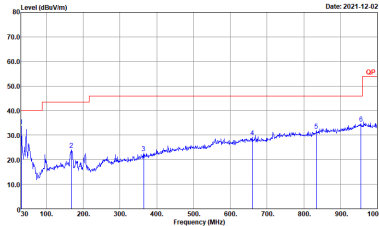


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE40 Full CH09 2452MHz	
16+18	Horizontal	Vertical
Peak Avg.	Site : 03CH02-14Y Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	Site : 03CH02-14Y Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL



Emission below 1GHz

2.4GHz WIFI 802.11ax HE40 Full (LF)

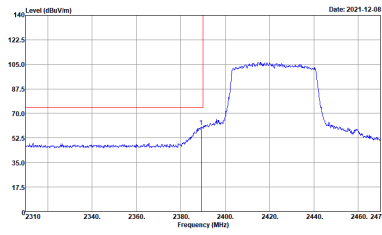
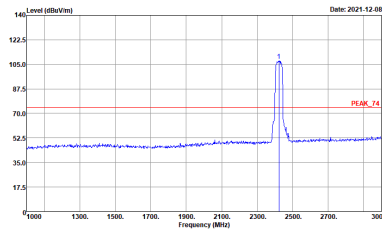
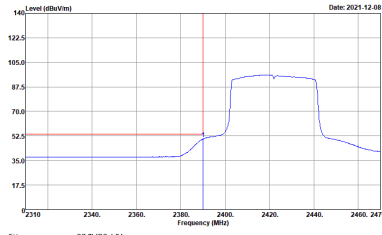
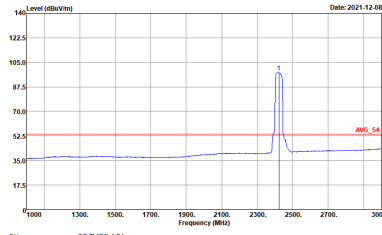
WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE40 Full LF	
16+18	Horizontal	Vertical
QP / Peak	 Site : 03CH20-HY Condition : QP 3m LF_55606&08_1101017 HORIZONTAL	 Site : 03CH20-HY Condition : QP 3m LF_55606&08_1101017 VERTICAL



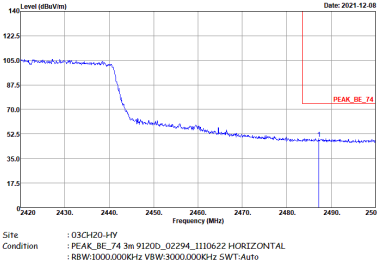
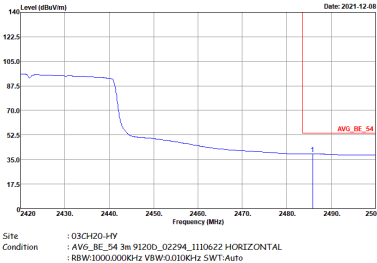
<EUT with WPC Charging Mode>

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
16+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.0000Hz VSW:3000.0000Hz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.0000Hz VSW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.0000Hz VSW:0.0100Hz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.0000Hz VSW:0.0100Hz SWT:Auto

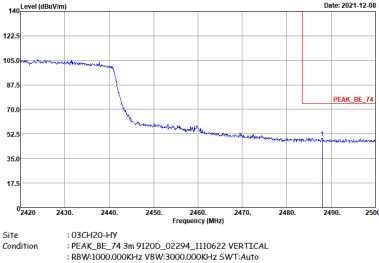
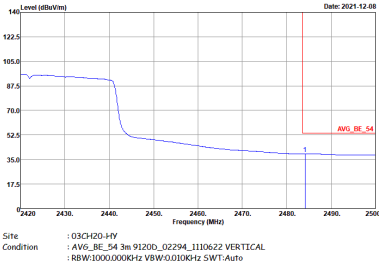


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
16+18	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
16+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

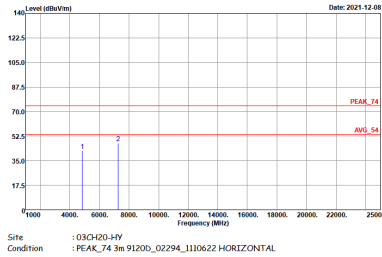
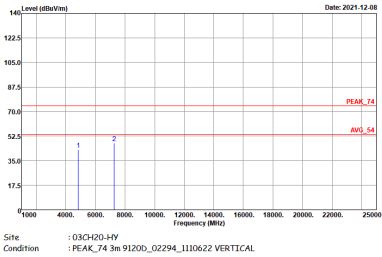


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
16+18	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



2.4GHz 2400~2483.5MHz

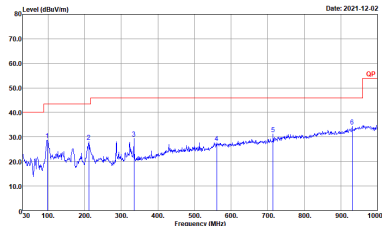
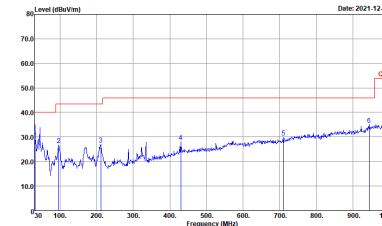
WIFI 802.11 ax HE40 Full (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE40 Full CH03 2422MHz	
16+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH020-4FY Condition : PEAK_74 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH020-4FY Condition : PEAK_74 3m 91200_02294_1110622 VERTICAL



Emission below 1GHz

2.4GHz WIFI 802.11ax HE40 Full (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE40 Full LF	
16+18	Horizontal	Vertical
QP / Peak	 Site : 03CH20-HY Condition : QP 3m LF, 35566408_1101017 HORIZONTAL : RBW120.000KHz VBW300.000KHz SWT0.500sec	 Site : 03CH20-HY Condition : QP 3m LF, 35566408_1101017 VERTICAL : RBW120.000KHz VBW300.000KHz SWT0.500sec



Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
16+18	802.11b	100.00	-	-	10Hz
16+18	802.11g	98.91	-	-	10Hz
16+18	2.4GHz 802.11ax HE20 Full RU	99.62	-	-	10Hz
16+18	2.4GHz 802.11ax HE40 Full RU	99.73	-	-	10Hz

MIMO <Ant. 16+18>

