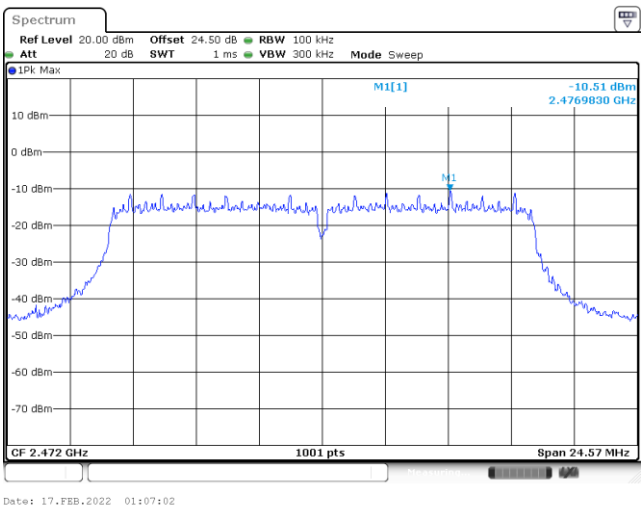
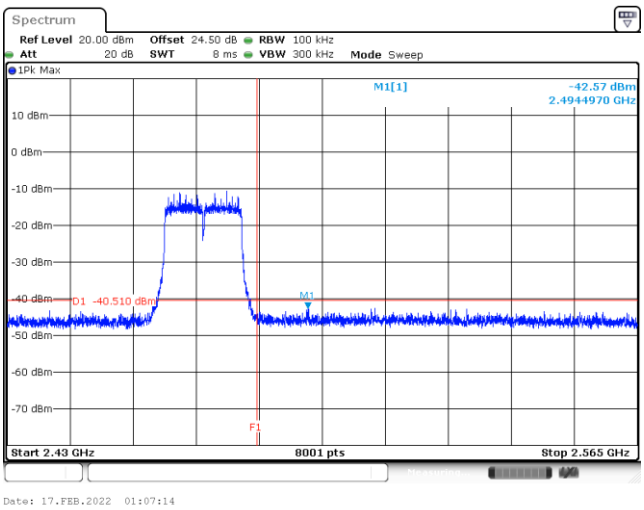
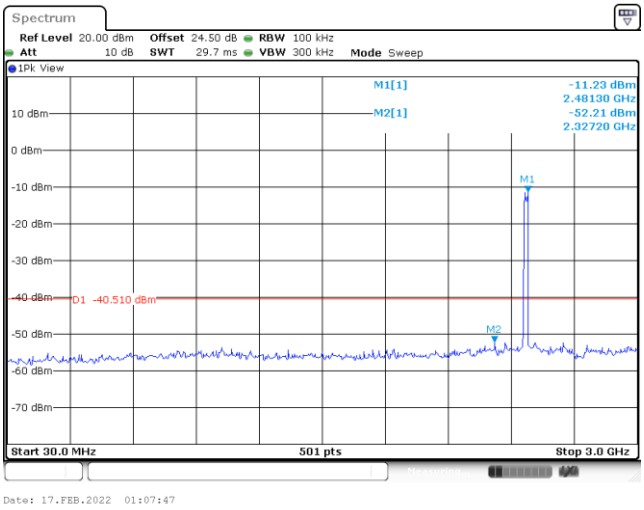
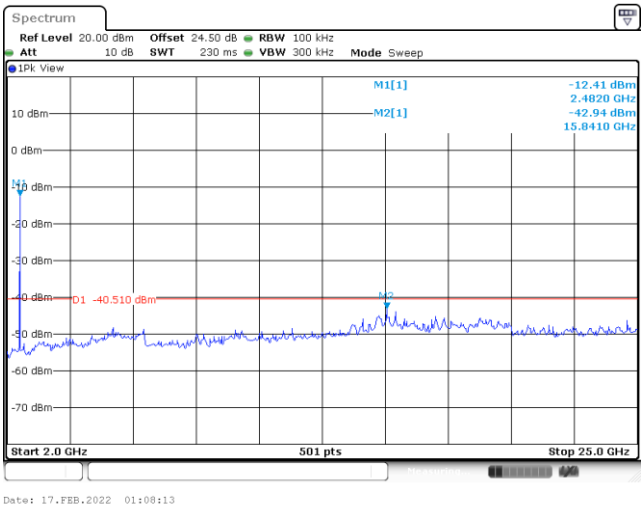
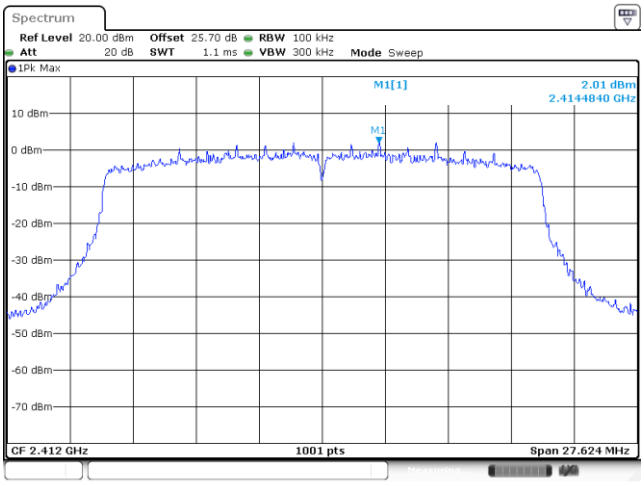
Test Mode :	802.11g	Test Channel :	13

100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

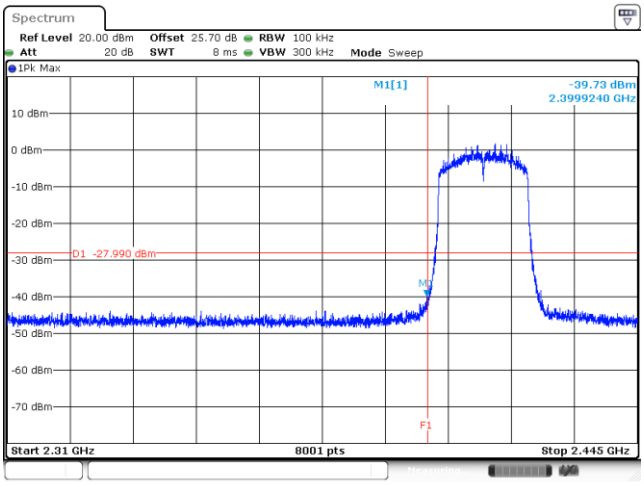
Test Mode :	802.11ax HE20	Test Channel :	01 Full RU

100kHz PSD reference Level



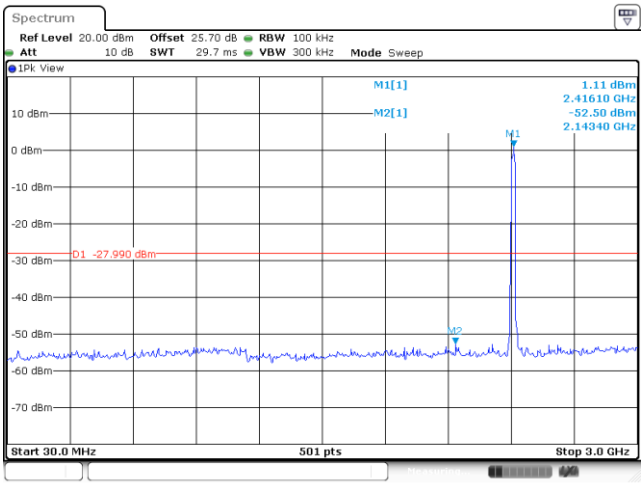
Date: 18.FEB.2022 15:35:02

Channel Plot



Date: 18.FEB.2022 15:35:13

Spurious Emission 30MHz~3GHz



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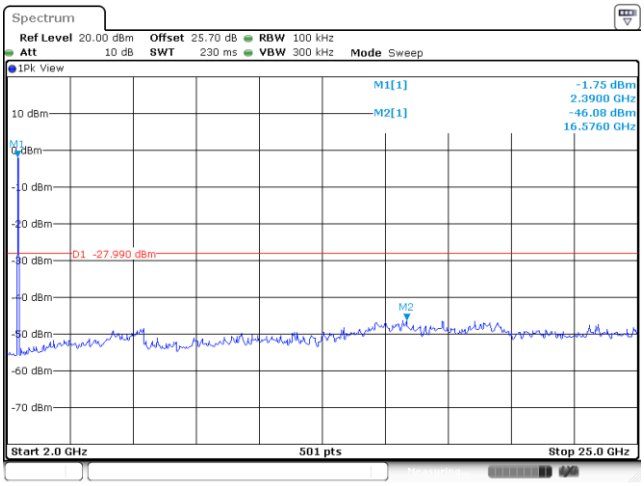
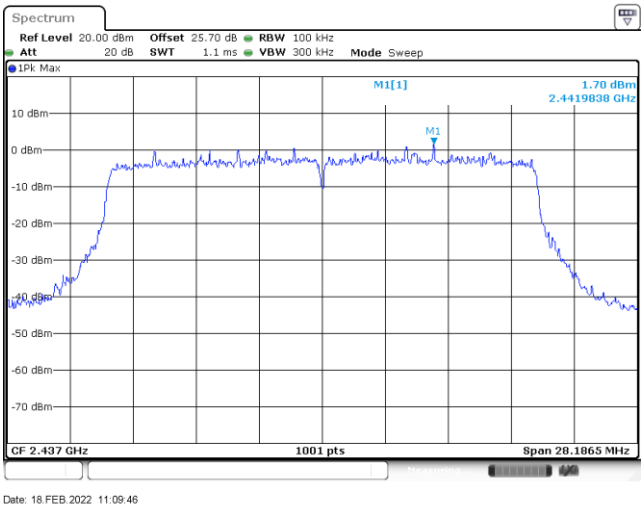
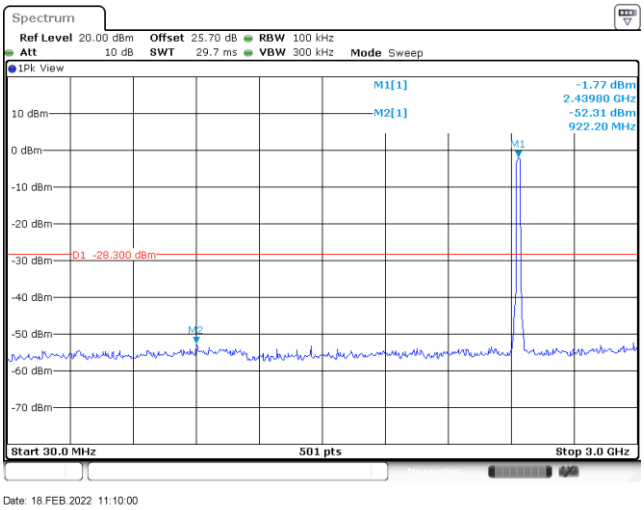
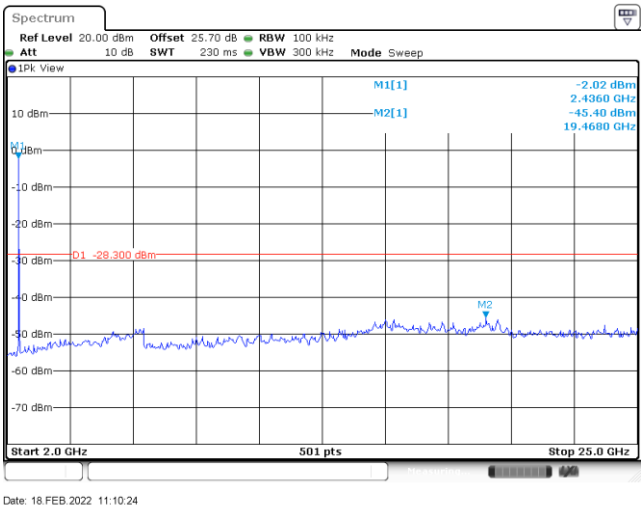
Spurious Emission 2GHz~25GHz



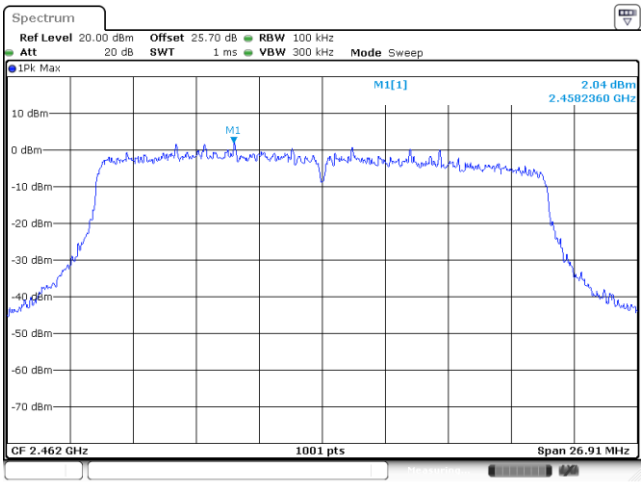
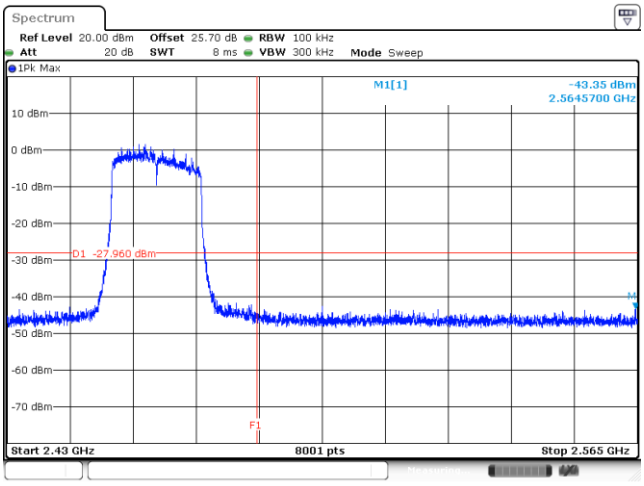
Date: 18.FEB.2022 15:35:37

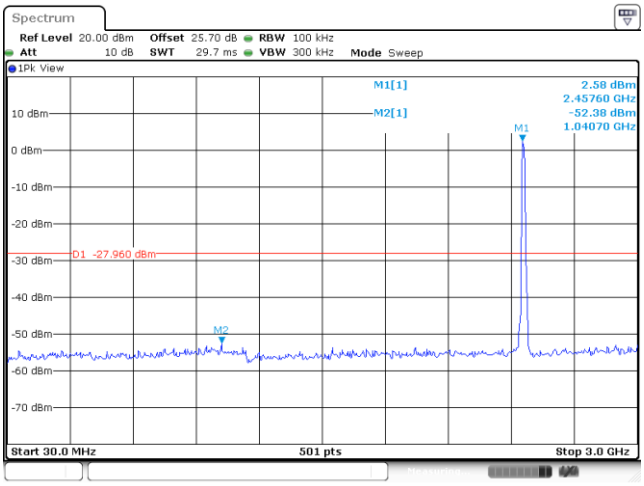
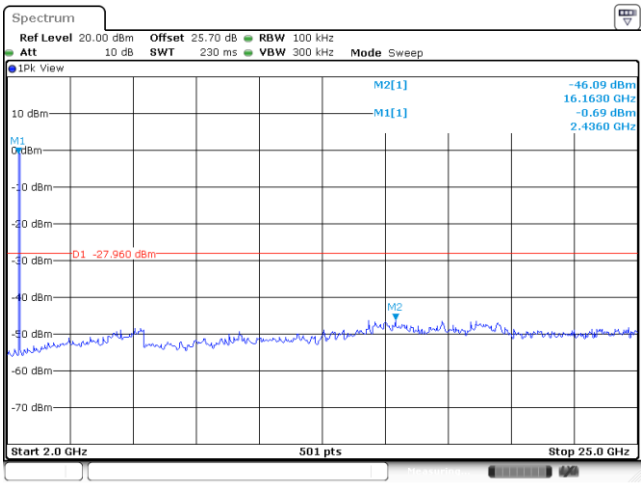
Test Mode :	802.11ax HE20	Test Channel :	06 Full RU

100kHz PSD reference Level	Channel Plot
	

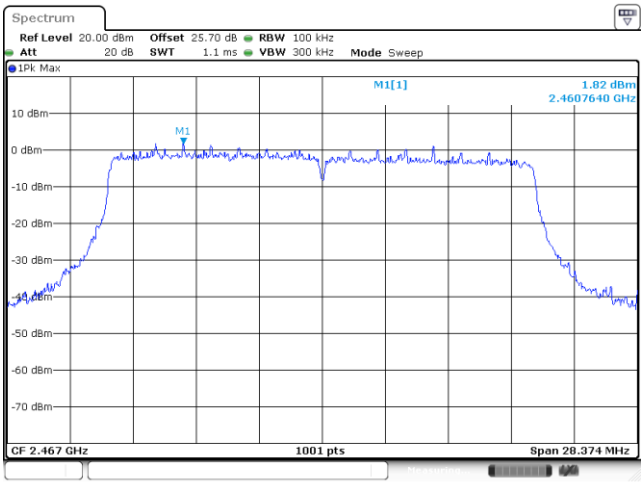
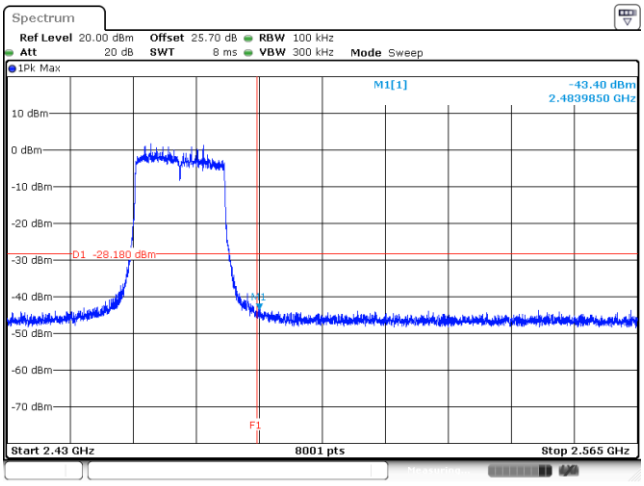
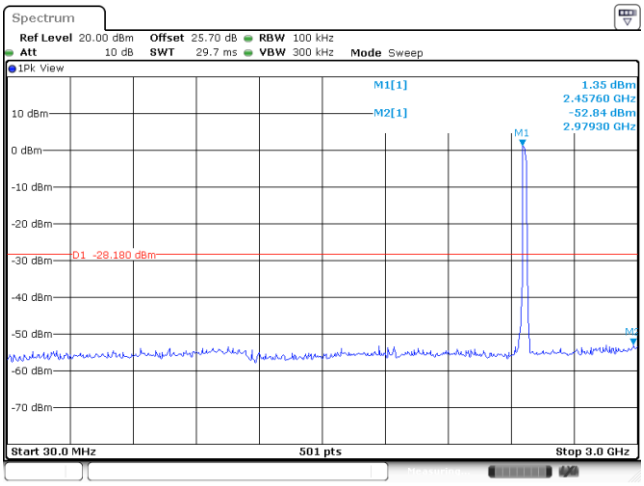
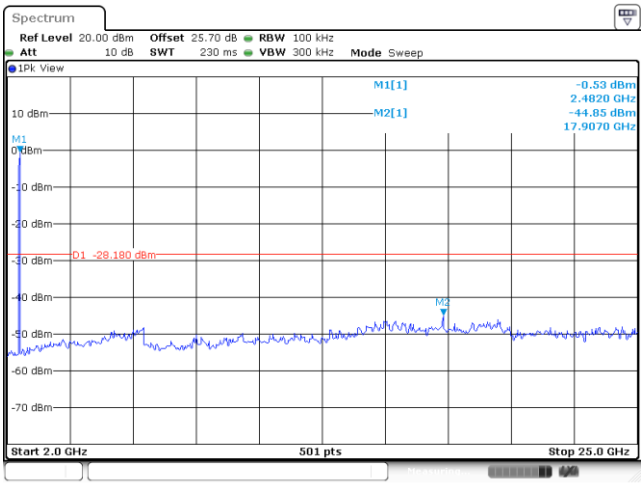
Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

Test Mode :	802.11ax HE20	Test Channel :	11 Full RU

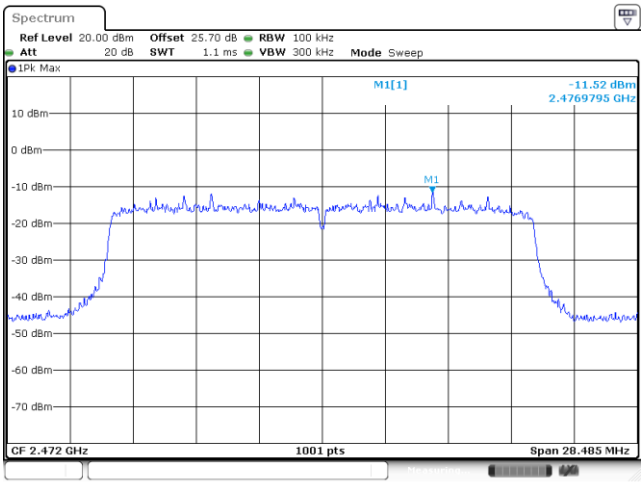
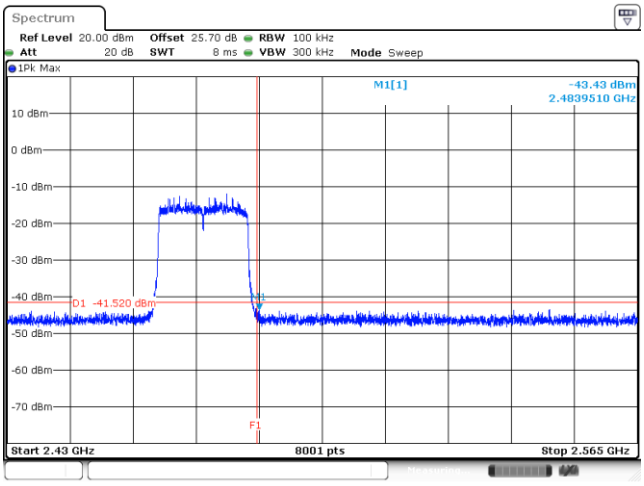
100kHz PSD reference Level	Channel Plot
	
Date: 18.FEB.2022 11:24:51	Date: 18.FEB.2022 11:25:02

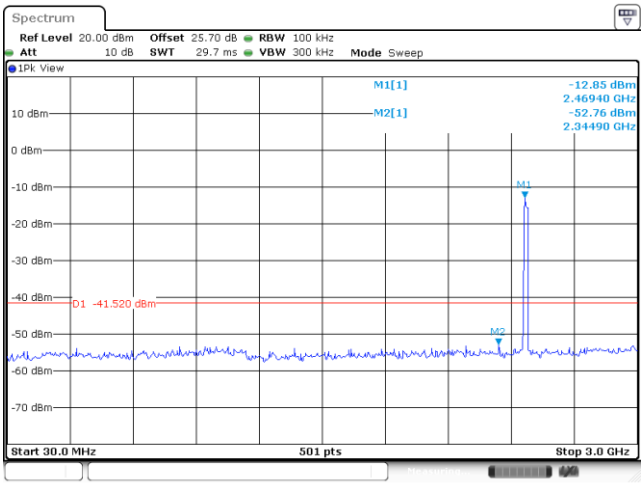
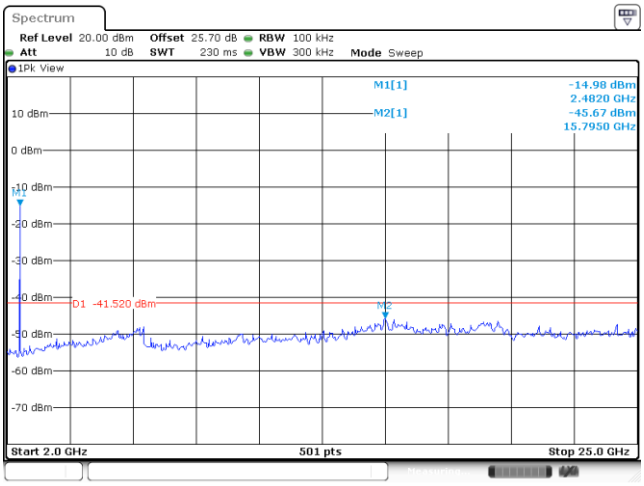
Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	
Date: 18.FEB.2022 11:25:16	Date: 18.FEB.2022 11:25:36

Test Mode :	802.11ax HE20	Test Channel :	12 Full RU

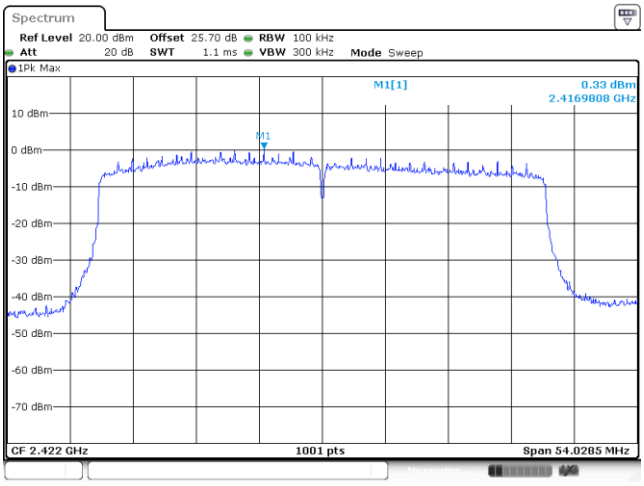
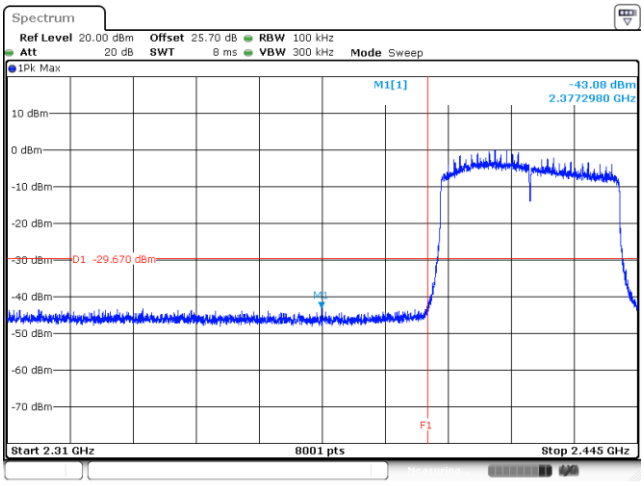
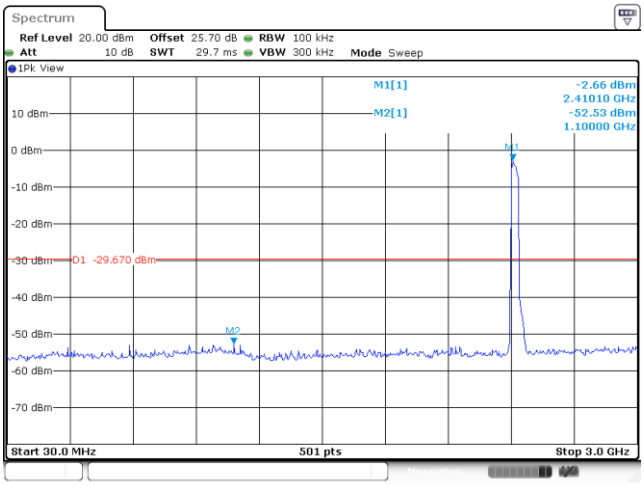
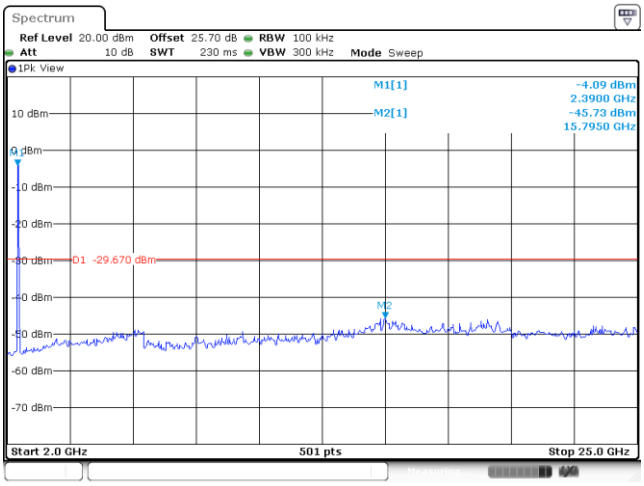
100kHz PSD reference Level	Channel Plot
	
Date: 18.FEB.2022 11:28:29	Date: 18.FEB.2022 11:28:41
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	
Date: 18.FEB.2022 11:28:55	Date: 18.FEB.2022 11:29:05

Test Mode :	802.11ax HE20	Test Channel :	13 Full RU

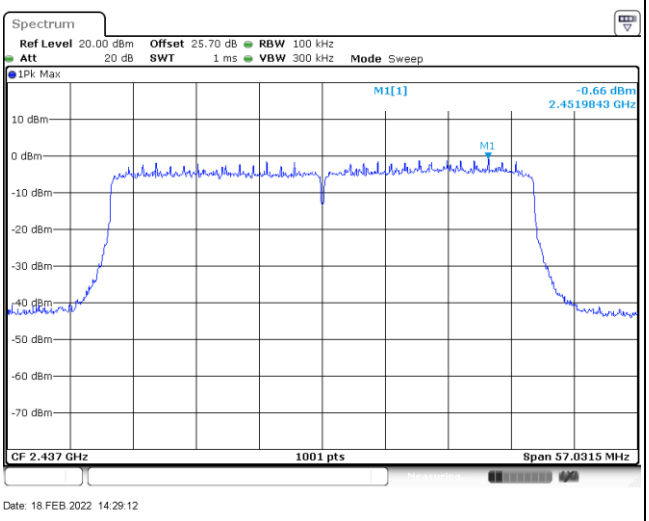
100kHz PSD reference Level	Channel Plot
	
Date: 18.FEB.2022 11:34:48	Date: 18.FEB.2022 11:35:04

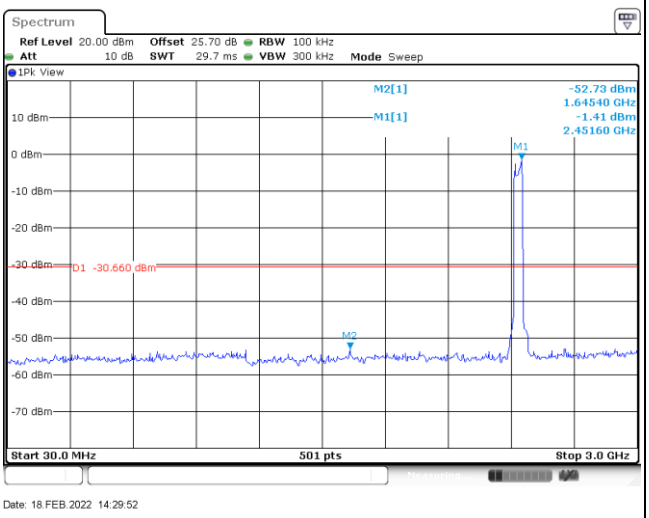
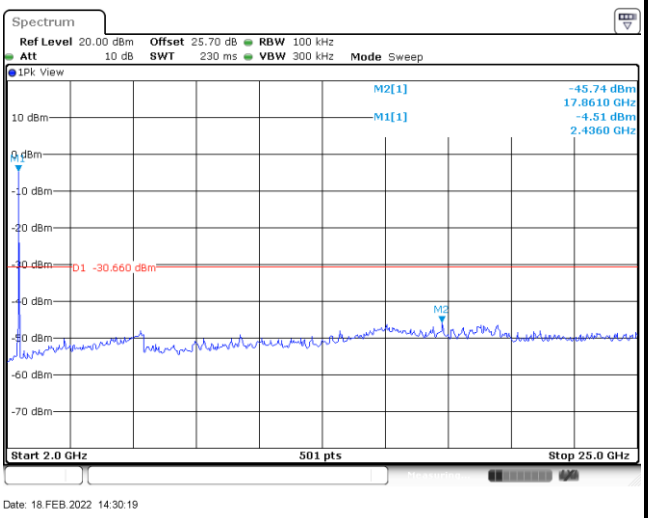
Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	
Date: 18.FEB.2022 11:35:51	Date: 18.FEB.2022 11:36:05

Test Mode :	802.11ax HE40	Test Channel :	03 Full RU

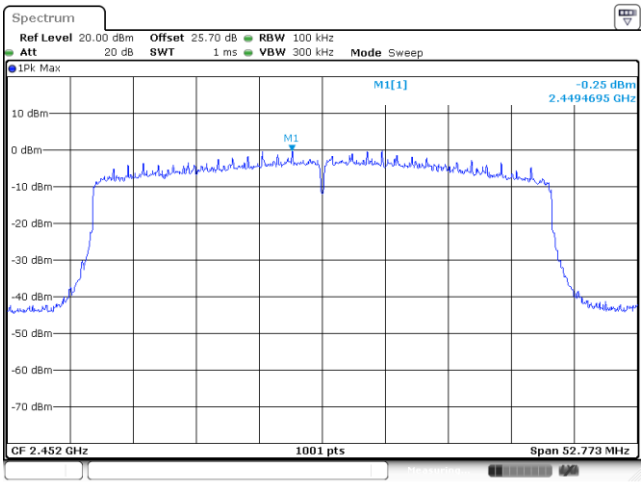
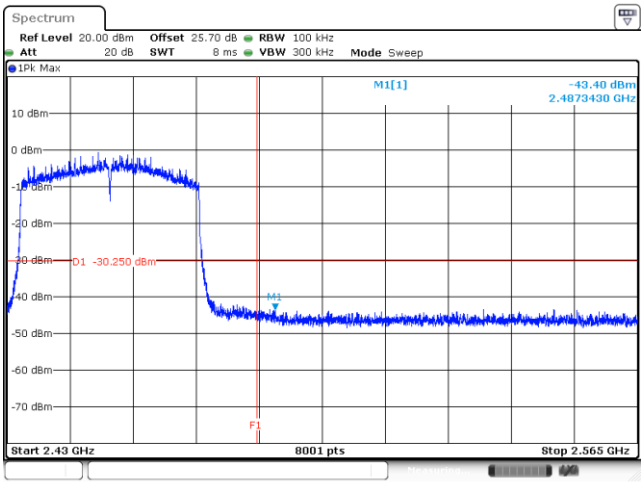
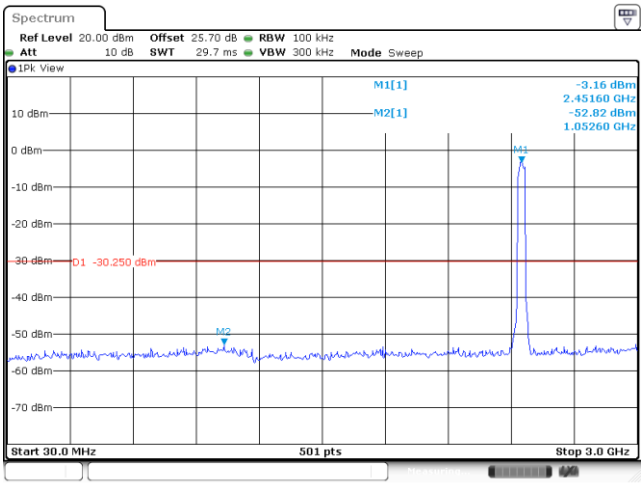
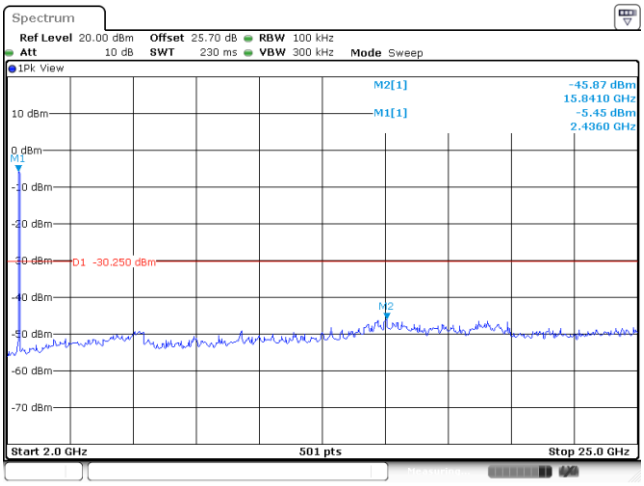
100kHz PSD reference Level	Channel Plot
	
Date: 18.FEB.2022 14:37:44	Date: 18.FEB.2022 14:38:22
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	
Date: 18.FEB.2022 14:38:37	Date: 18.FEB.2022 14:38:47

Test Mode :	802.11ax HE40	Test Channel :	06 Full RU

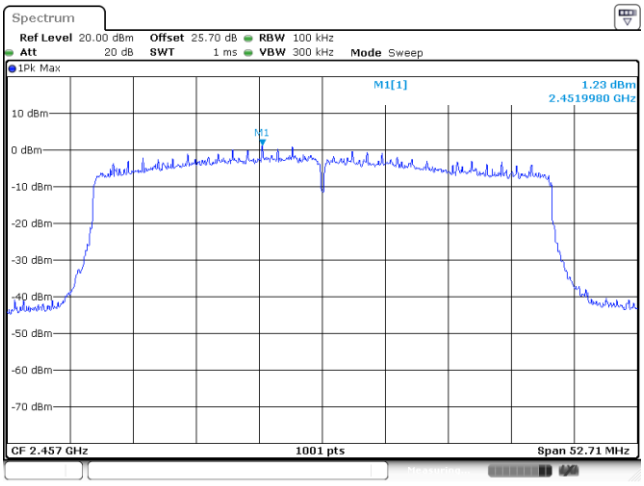
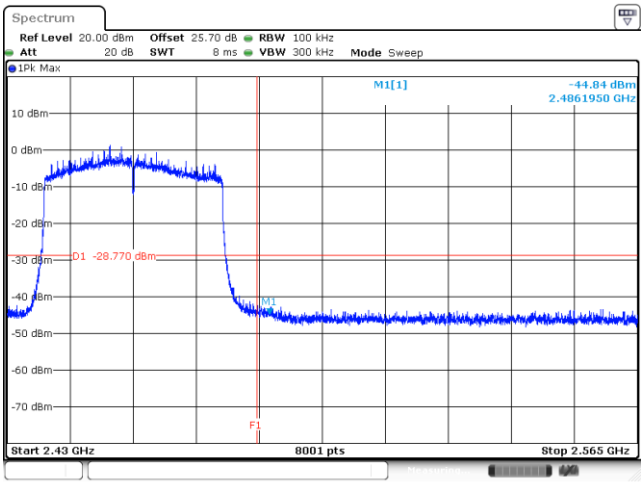
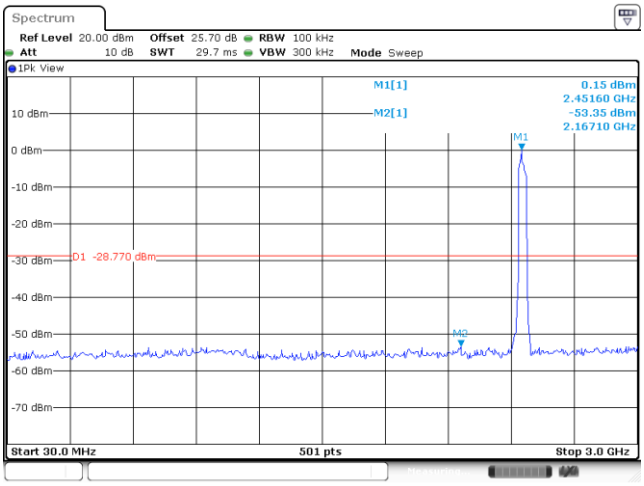
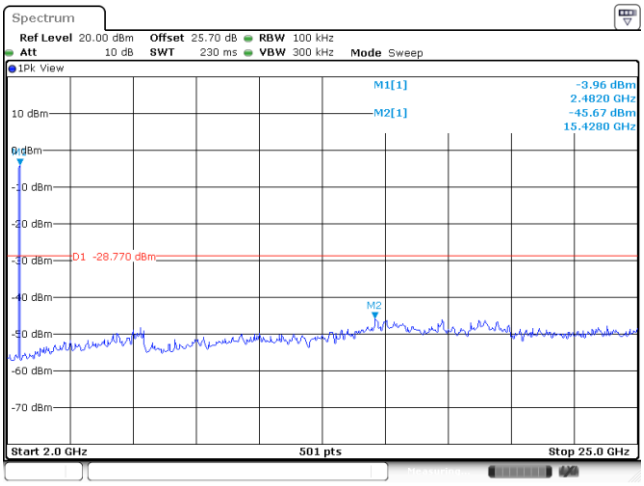
100kHz PSD reference Level	Channel Plot
	

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

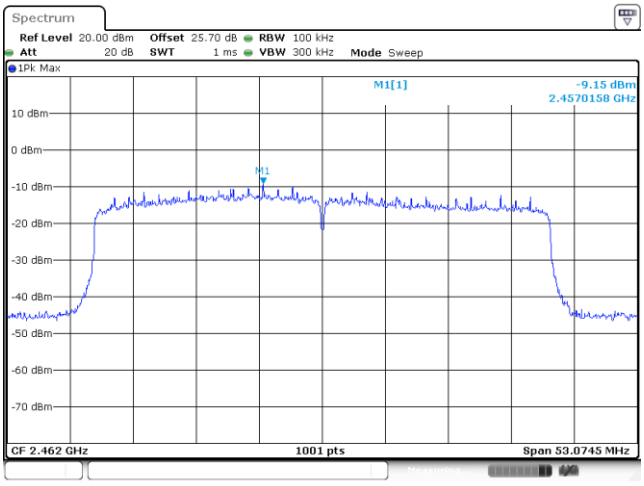
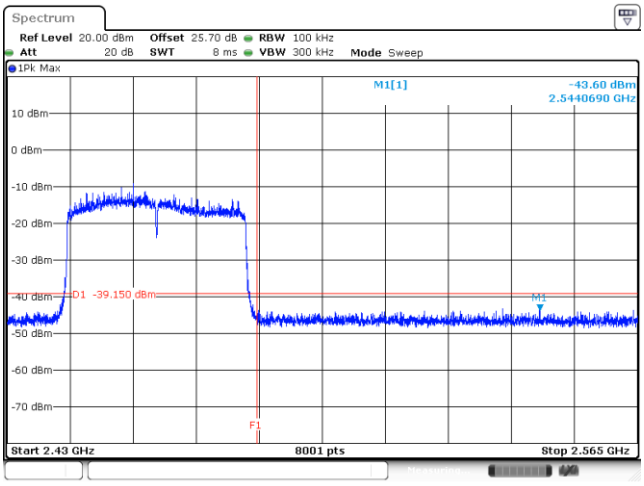
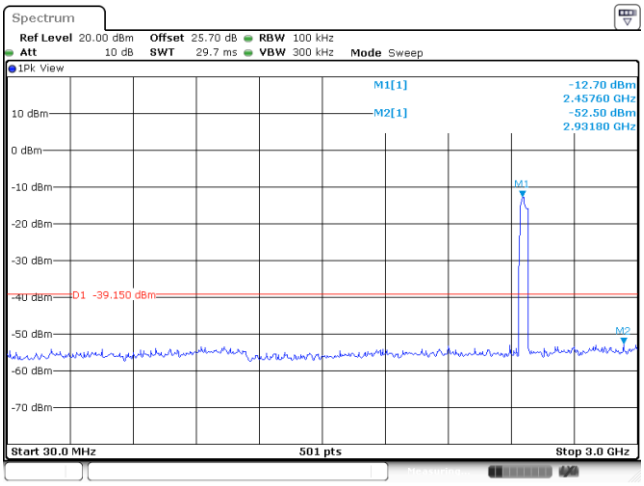
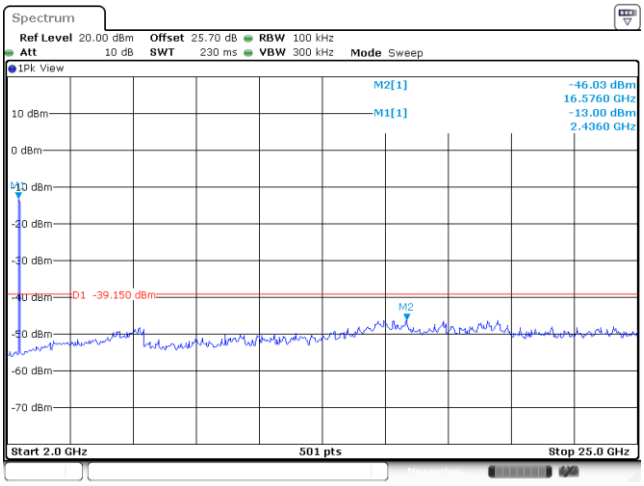
Test Mode :	802.11ax HE40	Test Channel :	09 Full RU

100kHz PSD reference Level	Channel Plot
	
Date: 18.FEB.2022 14:53:16	Date: 18.FEB.2022 14:53:26
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	
Date: 18.FEB.2022 14:53:39	Date: 18.FEB.2022 14:53:54

Test Mode :	802.11ax HE40	Test Channel :	10 Full RU

100kHz PSD reference Level	Channel Plot
	
Date: 18.FEB.2022 15:07:30	Date: 18.FEB.2022 15:08:13
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	
Date: 18.FEB.2022 15:09:54	Date: 18.FEB.2022 15:10:08

Test Mode :	802.11ax HE40	Test Channel :	11 Full RU

100kHz PSD reference Level	Channel Plot
	
Date: 18.FEB.2022 15:25:09	Date: 18.FEB.2022 15:25:21
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	
Date: 18.FEB.2022 15:25:33	Date: 18.FEB.2022 15:25:48

3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

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

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

3.5.2 Measuring Instruments

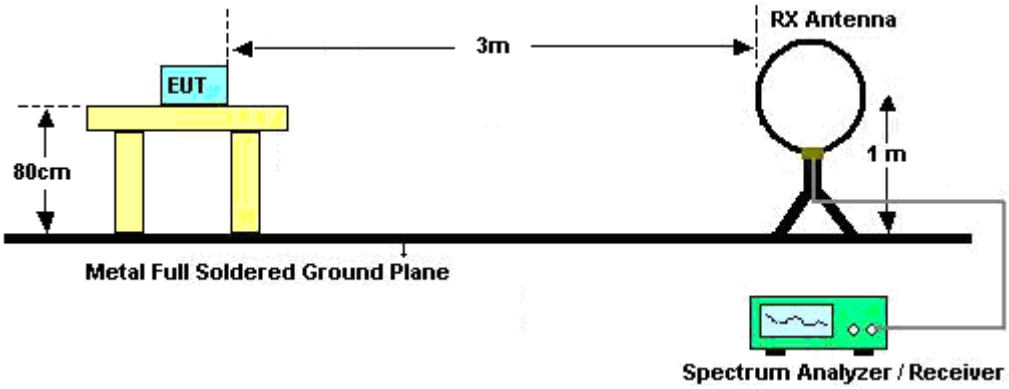
Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

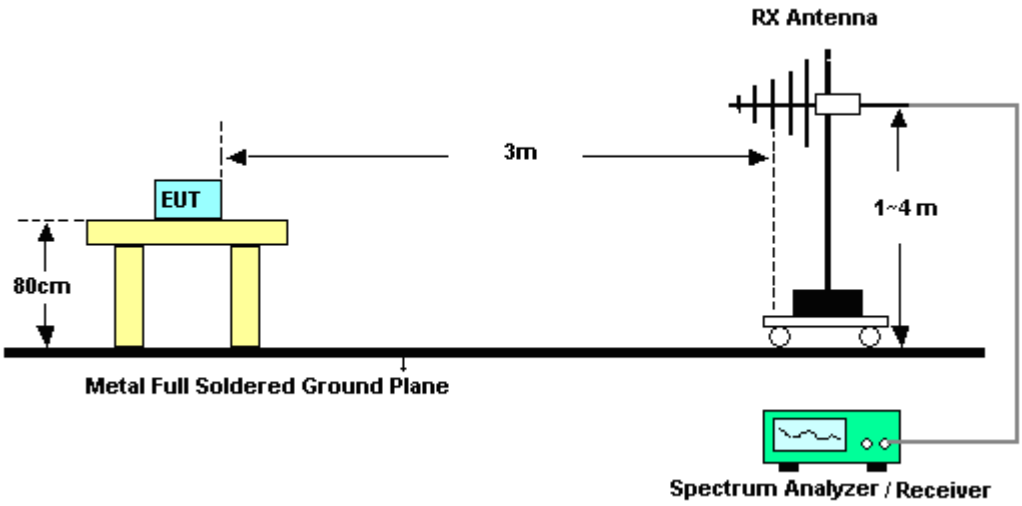
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the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

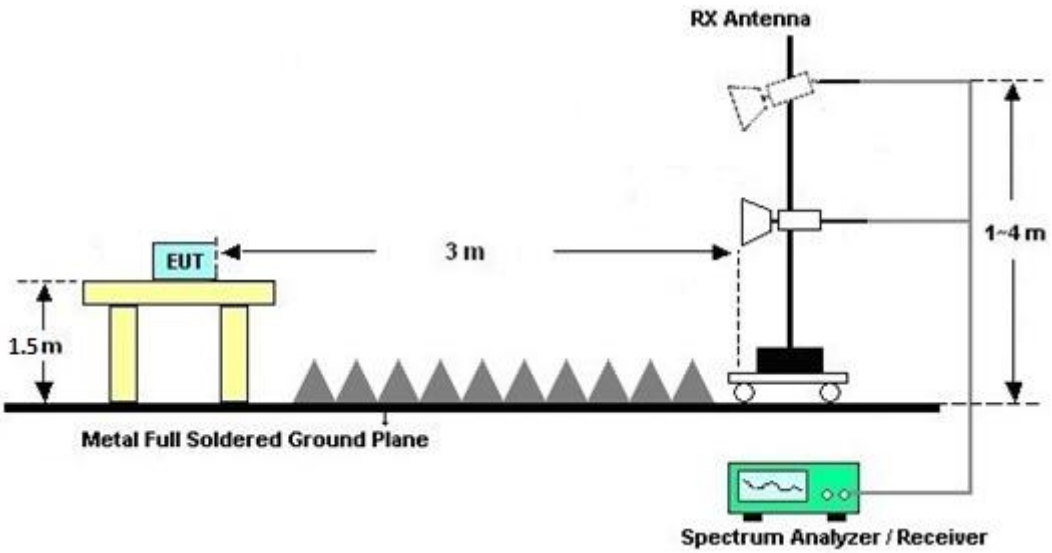
For radiated emissions below 30MHz



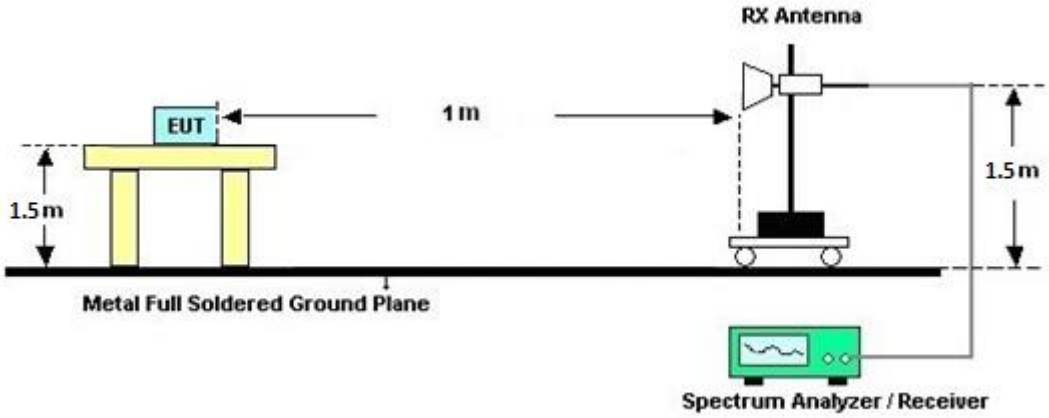
For radiated emissions from 30MHz to 1GHz



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 (dBμV)	
	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.

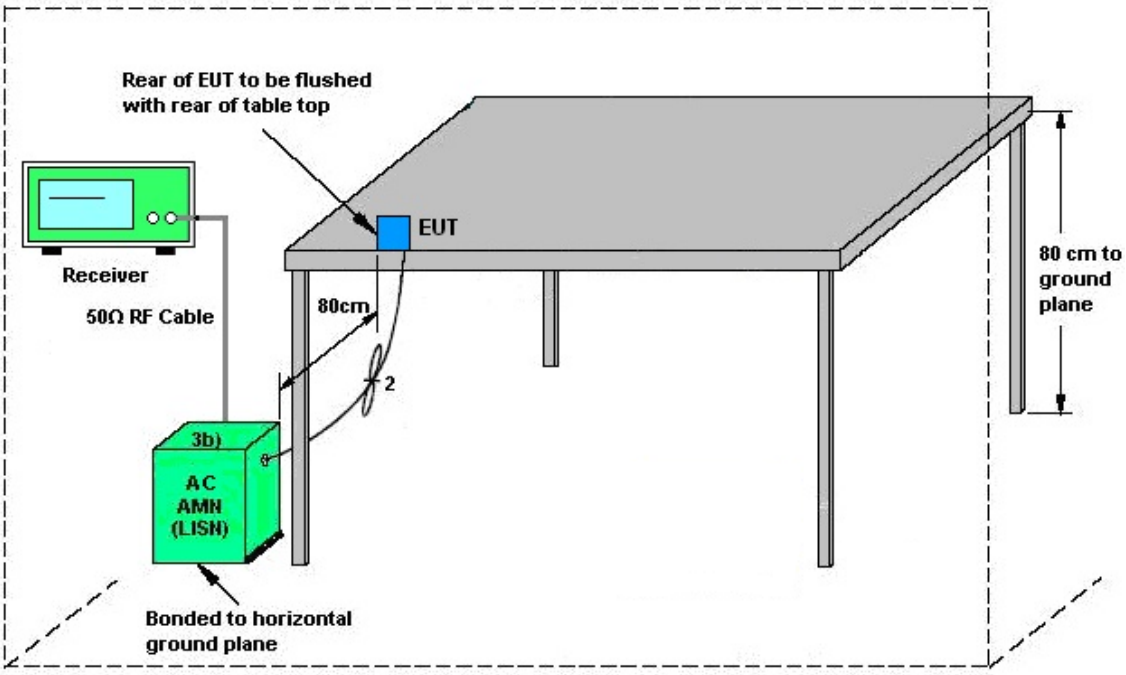
3.6.2 Measuring Instruments

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



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

Refer to FCC KDB 662911 D01 Multiple Transmitter Output v02r01

<CDD Modes >

For power measurements on IEEE 802.11 devices,

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

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

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

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

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

where

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

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

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

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

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

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

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

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

<CDD Modes>

	Chain 1 (dBi)	Chain 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	2.54	2.62	2.62	5.59	0.00	0.00

Calculation example:

The DG for PSD is derived from formula is

10 x log { { [10^ (2.54dBi / 20) + 10^ (2.62 dBi / 20)] ^ 2 } / 2 }

= 5.59 dBi

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9kHz~30MHz	Sep. 07, 2021	Feb. 21, 2022~ Feb. 28, 2022	Sep. 06, 2022	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 28, 2021	Feb. 21, 2022~ Feb. 28, 2022	Apr. 27, 2022	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz~18GHz	Jul. 13, 2021	Feb. 21, 2022~ Feb. 28, 2022	Jul. 12, 2022	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00993	18GHz~40GHz	Nov. 30, 2021	Feb. 21, 2022~ Feb. 28, 2022	Nov. 29, 2022	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9kHz~1GHz	Dec. 15, 2021	Feb. 21, 2022~ Feb. 28, 2022	Dec. 14, 2022	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 18, 2021	Feb. 21, 2022~ Feb. 28, 2022	May 17, 2022	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 26, 2021	Feb. 21, 2022~ Feb. 28, 2022	Oct. 25, 2022	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 22, 2021	Feb. 21, 2022~ Feb. 28, 2022	Jun. 21, 2022	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 18, 2021	Feb. 21, 2022~ Feb. 28, 2022	Mar. 17, 2022	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP200889	N/A	Sep. 30, 2021	Feb. 21, 2022~ Feb. 28, 2022	Sep. 29, 2022	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Feb. 21, 2022~ Feb. 28, 2022	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Feb. 21, 2022~ Feb. 28, 2022	N/A	Radiation (03CH13-HY)
Software	Audix	E3 6.2009-8-24	RK-000992	N/A	N/A	Feb. 21, 2022~ Feb. 28, 2022	N/A	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 09, 2022	Feb. 21, 2022~ Feb. 28, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30MHz~18GHz	Feb. 09, 2022	Feb. 21, 2022~ Feb. 28, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 09, 2022	Feb. 21, 2022~ Feb. 28, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2, 804012/2	18GHz~40GHz	Jan. 04, 2022	Feb. 21, 2022~ Feb. 28, 2022	Jan. 03, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Feb. 21, 2022~ Feb. 28, 2022	Mar. 10, 2022	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 14, 2021	Feb. 21, 2022~ Feb. 28, 2022	Sep. 13, 2022	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0SS	SN2	3GHz High Pass Filter	Jul. 12, 2021	Feb. 21, 2022~ Feb. 28, 2022	Jul. 11, 2022	Radiation (03CH13-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Feb. 21, 2022	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 21, 2022	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 29, 2021	Feb. 21, 2022	Oct. 28, 2022	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 17,2021	Feb. 21, 2022	Mar. 16, 2022	Conduction (CO07-HY)
AC LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2021	Feb. 21, 2022	Nov. 15, 2022	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 21, 2021	Feb. 21, 2022	Oct. 20, 2022	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303B	TP200728	N/A	Mar. 09, 2021	Feb. 21, 2022	Mar. 08, 2022	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Feb. 16, 2022~ Feb. 25, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 16, 2021	Feb. 16, 2022~ Feb. 25, 2022	Dec. 15, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Feb. 16, 2022~ Feb. 25, 2022	Aug. 29, 2022	Conducted (TH05-HY)
Switch Control Manframe	E-IUSTRUMENT	ETF-1405-0	EC1900067 (BOX7)	N/A	Aug. 12, 2021	Feb. 16, 2022~ Feb. 25, 2022	Aug. 11, 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))	2.3 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.0 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))	5.9 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Junyu Jhou/Mina Liu	Temperature:	19.3~22.5	°C
Test Date:	2022/2/16~2022/02/25	Relative Humidity:	49.5~67.3	%

Remark: For Conducted Test Items, Ant. 1 means Chain 1 (Aux.) and Ant. 2 means Chain 2 (Main).

Report Number : FR1D1645C

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
					Ant1	Ant2	Ant1	Ant2		
11b	1Mbps	2	1	2412	13.09	12.94	8.10	7.18	0.50	Pass
11b	1Mbps	2	6	2437	13.59	13.49	8.10	7.64	0.50	Pass
11b	1Mbps	2	11	2462	12.89	13.24	7.14	8.12	0.50	Pass
11b	1Mbps	2	12	2467	13.34	13.54	8.12	8.12	0.50	Pass
11b	1Mbps	2	13	2472	13.74	13.64	8.14	8.56	0.50	Pass
11g	6Mbps	2	1	2412	16.83	16.83	15.76	15.68	0.50	Pass
11g	6Mbps	2	6	2437	17.13	17.08	16.36	16.36	0.50	Pass
11g	6Mbps	2	11	2462	16.78	16.98	15.48	15.76	0.50	Pass
11g	6Mbps	2	12	2467	16.98	17.18	15.74	16.36	0.50	Pass
11g	6Mbps	2	13	2472	17.28	17.23	15.98	16.38	0.50	Pass

Report Number : FR1D1645C

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
					Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	2	1	2412	13.10	13.90	16.53	30.00		2.62		19.15		36.00		Pass
11b	1Mbps	2	6	2437	13.40	13.50	16.46	30.00		2.62		19.08		36.00		Pass
11b	1Mbps	2	11	2462	13.30	13.70	16.51	30.00		2.62		19.13		36.00		Pass
11b	1Mbps	2	12	2467	13.50	13.30	16.41	30.00		2.62		19.03		36.00		Pass
11b	1Mbps	2	13	2472	12.60	12.30	15.46	30.00		2.62		18.08		36.00		Pass
11g	6Mbps	2	1	2412	13.60	13.80	16.71	30.00		2.62		19.33		36.00		Pass
11g	6Mbps	2	6	2437	13.90	13.40	16.67	30.00		2.62		19.29		36.00		Pass
11g	6Mbps	2	11	2462	13.50	13.80	16.66	30.00		2.62		19.28		36.00		Pass
11g	6Mbps	2	12	2467	11.80	11.30	14.57	30.00		2.62		17.19		36.00		Pass
11g	6Mbps	2	13	2472	2.40	1.40	4.94	30.00		2.62		7.56		36.00		Pass
HT20	MCS0	2	1	2412	13.30	13.50	16.41	30.00		2.62		19.03		36.00		Pass
HT20	MCS0	2	6	2437	13.60	13.40	16.51	30.00		2.62		19.13		36.00		Pass
HT20	MCS0	2	11	2462	12.40	12.60	15.51	30.00		2.62		18.13		36.00		Pass
HT20	MCS0	2	12	2467	11.10	10.60	13.87	30.00		2.62		16.49		36.00		Pass
HT20	MCS0	2	13	2472	2.00	0.20	4.20	30.00		2.62		6.82		36.00		Pass
HT40	MCS0	2	3	2422	13.00	13.70	16.37	30.00		2.62		18.99		36.00		Pass
HT40	MCS0	2	6	2437	13.90	13.40	16.67	30.00		2.62		19.29		36.00		Pass
HT40	MCS0	2	9	2452	11.10	10.90	14.01	30.00		2.62		16.63		36.00		Pass
HT40	MCS0	2	10	2457	10.00	10.20	13.11	30.00		2.62		15.73		36.00		Pass
HT40	MCS0	2	11	2462	3.90	3.60	6.76	30.00		2.62		9.38		36.00		Pass
VHT20	MCS0	2	1	2412	13.30	13.50	16.41	30.00		2.62		19.03		36.00		Pass
VHT20	MCS0	2	6	2437	13.60	13.40	16.51	30.00		2.62		19.13		36.00		Pass
VHT20	MCS0	2	11	2462	12.40	12.60	15.51	30.00		2.62		18.13		36.00		Pass
VHT20	MCS0	2	12	2467	11.10	10.60	13.87	30.00		2.62		16.49		36.00		Pass
VHT20	MCS0	2	13	2472	2.00	0.20	4.20	30.00		2.62		6.82		36.00		Pass
VHT40	MCS0	2	3	2422	13.00	13.70	16.37	30.00		2.62		18.99		36.00		Pass
VHT40	MCS0	2	6	2437	13.90	13.40	16.67	30.00		2.62		19.29		36.00		Pass
VHT40	MCS0	2	9	2452	11.10	10.90	14.01	30.00		2.62		16.63		36.00		Pass
VHT40	MCS0	2	10	2457	10.00	10.20	13.11	30.00		2.62		15.73		36.00		Pass
VHT40	MCS0	2	11	2462	3.90	3.60	6.76	30.00		2.62		9.38		36.00		Pass

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

Report Number : FR1D1645C

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
					Ant1	Ant2	Worse + 3.01	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	2	1	2412	-12.65	-11.43	-8.42	5.59		8.00		Pass
11b	1Mbps	2	6	2437	-11.99	-12.38	-8.98	5.59		8.00		Pass
11b	1Mbps	2	11	2462	-10.77	-11.23	-7.76	5.59		8.00		Pass
11b	1Mbps	2	12	2467	-11.63	-11.36	-8.35	5.59		8.00		Pass
11b	1Mbps	2	13	2472	-12.60	-12.34	-9.33	5.59		8.00		Pass
11g	6Mbps	2	1	2412	-13.20	-13.70	-10.19	5.59		8.00		Pass
11g	6Mbps	2	6	2437	-13.24	-13.64	-10.23	5.59		8.00		Pass
11g	6Mbps	2	11	2462	-14.00	-13.58	-10.57	5.59		8.00		Pass
11g	6Mbps	2	12	2467	-14.49	-14.94	-11.48	5.59		8.00		Pass
11g	6Mbps	2	13	2472	-22.90	-25.36	-19.89	5.59		8.00		Pass

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

Report Number : FR1D1645C

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
						Ant1	Ant2	Ant1	Ant2		
HE20	MCS0	2	1	2412	Full	19.23	19.13	18.54	18.42	0.50	Pass
HE20	MCS0	2	6	2437	Full	19.43	19.38	18.88	18.79	0.50	Pass
HE20	MCS0	2	11	2462	Full	19.13	19.28	18.16	17.94	0.50	Pass
HE20	MCS0	2	12	2467	Full	19.33	19.53	18.01	18.92	0.50	Pass
HE20	MCS0	2	13	2472	Full	19.43	19.48	19.02	18.99	0.50	Pass
HE40	MCS0	2	3	2422	Full	37.46	37.76	35.34	36.02	0.50	Pass
HE40	MCS0	2	6	2437	Full	38.16	38.06	38.14	38.02	0.50	Pass
HE40	MCS0	2	9	2452	Full	37.66	37.46	35.72	35.18	0.50	Pass
HE40	MCS0	2	10	2457	Full	37.56	37.56	35.18	35.14	0.50	Pass
HE40	MCS0	2	11	2462	Full	37.76	37.76	35.86	35.38	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
						Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
HE20	MCS0	2	1	2412	Full	13.40	13.60	16.51	30.00		2.62		19.13		36.00		Pass
HE20	MCS0	2	1	2412	26/0	4.10	5.50	7.87	30.00		2.62		10.49		36.00		Pass
HE20	MCS0	2	1	2412	52/37	5.70	6.90	9.35	30.00		2.62		11.97		36.00		Pass
HE20	MCS0	2	1	2412	106/53	9.80	11.00	13.45	30.00		2.62		16.07		36.00		Pass
HE20	MCS0	2	1	2412	242/61	12.20	12.70	15.47	30.00		2.62		18.09		36.00		Pass
HE20	MCS0	2	6	2437	Full	13.70	13.50	16.61	30.00		2.62		19.23		36.00		Pass
HE20	MCS0	2	6	2437	26/4	4.20	4.30	7.26	30.00		2.62		9.88		36.00		Pass
HE20	MCS0	2	6	2437	52/39	7.10	7.30	10.21	30.00		2.62		12.83		36.00		Pass
HE20	MCS0	2	6	2437	106/53	9.60	8.50	12.10	30.00		2.62		14.72		36.00		Pass
HE20	MCS0	2	6	2437	242/61	11.80	11.70	14.76	30.00		2.62		17.38		36.00		Pass
HE20	MCS0	2	11	2462	Full	12.50	12.70	15.61	30.00		2.62		18.23		36.00		Pass
HE20	MCS0	2	11	2462	26/8	2.90	3.20	6.06	30.00		2.62		8.68		36.00		Pass
HE20	MCS0	2	11	2462	52/40	6.50	6.30	9.41	30.00		2.62		12.03		36.00		Pass
HE20	MCS0	2	11	2462	106/54	8.30	7.90	11.11	30.00		2.62		13.73		36.00		Pass
HE20	MCS0	2	11	2462	242/61	11.50	11.80	14.66	30.00		2.62		17.28		36.00		Pass
HE20	MCS0	2	12	2467	Full	11.20	10.70	13.97	30.00		2.62		16.59		36.00		Pass
HE20	MCS0	2	12	2467	26/8	0.90	1.80	4.38	30.00		2.62		7.00		36.00		Pass
HE20	MCS0	2	12	2467	52/40	4.20	4.50	7.36	30.00		2.62		9.98		36.00		Pass
HE20	MCS0	2	12	2467	106/54	6.70	6.60	9.66	30.00		2.62		12.28		36.00		Pass
HE20	MCS0	2	12	2467	242/61	10.20	9.20	12.74	30.00		2.62		15.36		36.00		Pass
HE20	MCS0	2	13	2472	Full	2.10	0.30	4.30	30.00		2.62		6.92		36.00		Pass
HE20	MCS0	2	13	2472	26/8	-7.20	-7.40	-4.29	30.00		2.62		-1.67		36.00		Pass
HE20	MCS0	2	13	2472	52/40	-4.50	-5.10	-1.78	30.00		2.62		0.84		36.00		Pass
HE20	MCS0	2	13	2472	106/54	-1.90	-2.10	1.01	30.00		2.62		3.63		36.00		Pass
HE20	MCS0	2	13	2472	242/61	0.80	-0.30	3.30	30.00		2.62		5.92		36.00		Pass
HE40	MCS0	2	3	2422	Full	13.10	13.80	16.47	30.00		2.62		19.09		36.00		Pass
HE40	MCS0	2	3	2422	484/65	13.00	14.00	16.54	30.00		2.62		19.16		36.00		Pass
HE40	MCS0	2	6	2437	Full	14.00	13.50	16.77	30.00		2.62		19.39		36.00		Pass
HE40	MCS0	2	6	2437	484/65	13.70	13.50	16.61	30.00		2.62		19.23		36.00		Pass
HE40	MCS0	2	9	2452	Full	11.20	11.00	14.11	30.00		2.62		16.73		36.00		Pass
HE40	MCS0	2	9	2452	484/65	11.00	10.60	13.81	30.00		2.62		16.43		36.00		Pass
HE40	MCS0	2	10	2457	Full	10.10	10.30	13.21	30.00		2.62		15.83		36.00		Pass
HE40	MCS0	2	10	2457	484/65	9.80	10.00	12.91	30.00		2.62		15.53		36.00		Pass
HE40	MCS0	2	11	2462	Full	4.00	3.70	6.86	30.00		2.62		9.48		36.00		Pass
HE40	MCS0	2	11	2462	484/65	1.50	1.30	4.41	30.00		2.62		7.03		36.00		Pass

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

Report Number : FR1D1645C

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
						Ant1	Ant2	Worse + 3.01	Ant1	Ant2	Ant1	Ant2	
HE20	MCS0	2	1	2412	Full	-13.12	-12.90	-9.89	5.59		8.00		Pass
HE20	MCS0	2	1	2412	26/0	-13.34	-13.21	-10.20	5.59		8.00		Pass
HE20	MCS0	2	1	2412	52/37	-13.60	-13.39	-10.38	5.59		8.00		Pass
HE20	MCS0	2	1	2412	106/53	-13.13	-13.05	-10.04	5.59		8.00		Pass
HE20	MCS0	2	1	2412	242/61	-13.21	-13.05	-10.04	5.59		8.00		Pass
HE20	MCS0	2	6	2437	Full	-13.43	-13.49	-10.42	5.59		8.00		Pass
HE20	MCS0	2	6	2437	26/4	-13.56	-13.78	-10.55	5.59		8.00		Pass
HE20	MCS0	2	6	2437	52/39	-13.79	-13.71	-10.70	5.59		8.00		Pass
HE20	MCS0	2	6	2437	106/53	-13.81	-13.84	-10.80	5.59		8.00		Pass
HE20	MCS0	2	6	2437	242/61	-13.91	-13.99	-10.90	5.59		8.00		Pass
HE20	MCS0	2	11	2462	Full	-14.38	-14.21	-11.20	5.59		8.00		Pass
HE20	MCS0	2	11	2462	26/8	-14.51	-14.61	-11.50	5.59		8.00		Pass
HE20	MCS0	2	11	2462	52/40	-14.81	-14.23	-11.22	5.59		8.00		Pass
HE20	MCS0	2	11	2462	106/54	-14.49	-14.37	-11.36	5.59		8.00		Pass
HE20	MCS0	2	11	2462	242/61	-14.56	-14.43	-11.42	5.59		8.00		Pass
HE20	MCS0	2	12	2467	Full	-15.00	-15.54	-11.99	5.59		8.00		Pass
HE20	MCS0	2	12	2467	26/8	-15.04	-15.78	-12.03	5.59		8.00		Pass
HE20	MCS0	2	12	2467	52/40	-15.48	-15.85	-12.47	5.59		8.00		Pass
HE20	MCS0	2	12	2467	106/54	-15.42	-16.02	-12.41	5.59		8.00		Pass
HE20	MCS0	2	12	2467	242/61	-15.40	-15.64	-12.39	5.59		8.00		Pass
HE20	MCS0	2	13	2472	Full	-25.54	-26.23	-22.53	5.59		8.00		Pass
HE20	MCS0	2	13	2472	26/8	-25.99	-26.48	-22.98	5.59		8.00		Pass
HE20	MCS0	2	13	2472	52/40	-25.57	-26.59	-22.56	5.59		8.00		Pass
HE20	MCS0	2	13	2472	106/54	-25.56	-26.55	-22.55	5.59		8.00		Pass
HE20	MCS0	2	13	2472	242/61	-25.73	-26.57	-22.72	5.59		8.00		Pass
HE40	MCS0	2	3	2422	Full	-15.54	-14.83	-11.82	5.59		8.00		Pass
HE40	MCS0	2	3	2422	484/65	-15.74	-15.14	-12.13	5.59		8.00		Pass
HE40	MCS0	2	6	2437	Full	-15.21	-14.95	-11.94	5.59		8.00		Pass
HE40	MCS0	2	6	2437	484/65	-15.61	-15.23	-12.22	5.59		8.00		Pass
HE40	MCS0	2	9	2452	Full	-16.86	-16.53	-13.52	5.59		8.00		Pass
HE40	MCS0	2	9	2452	484/65	-16.97	-16.62	-13.61	5.59		8.00		Pass
HE40	MCS0	2	10	2457	Full	-18.52	-17.76	-14.75	5.59		8.00		Pass
HE40	MCS0	2	10	2457	484/65	-18.83	-18.05	-15.04	5.59		8.00		Pass
HE40	MCS0	2	11	2462	Full	-25.35	-25.62	-22.34	5.59		8.00		Pass
HE40	MCS0	2	11	2462	484/65	-25.40	-25.91	-22.39	5.59		8.00		Pass

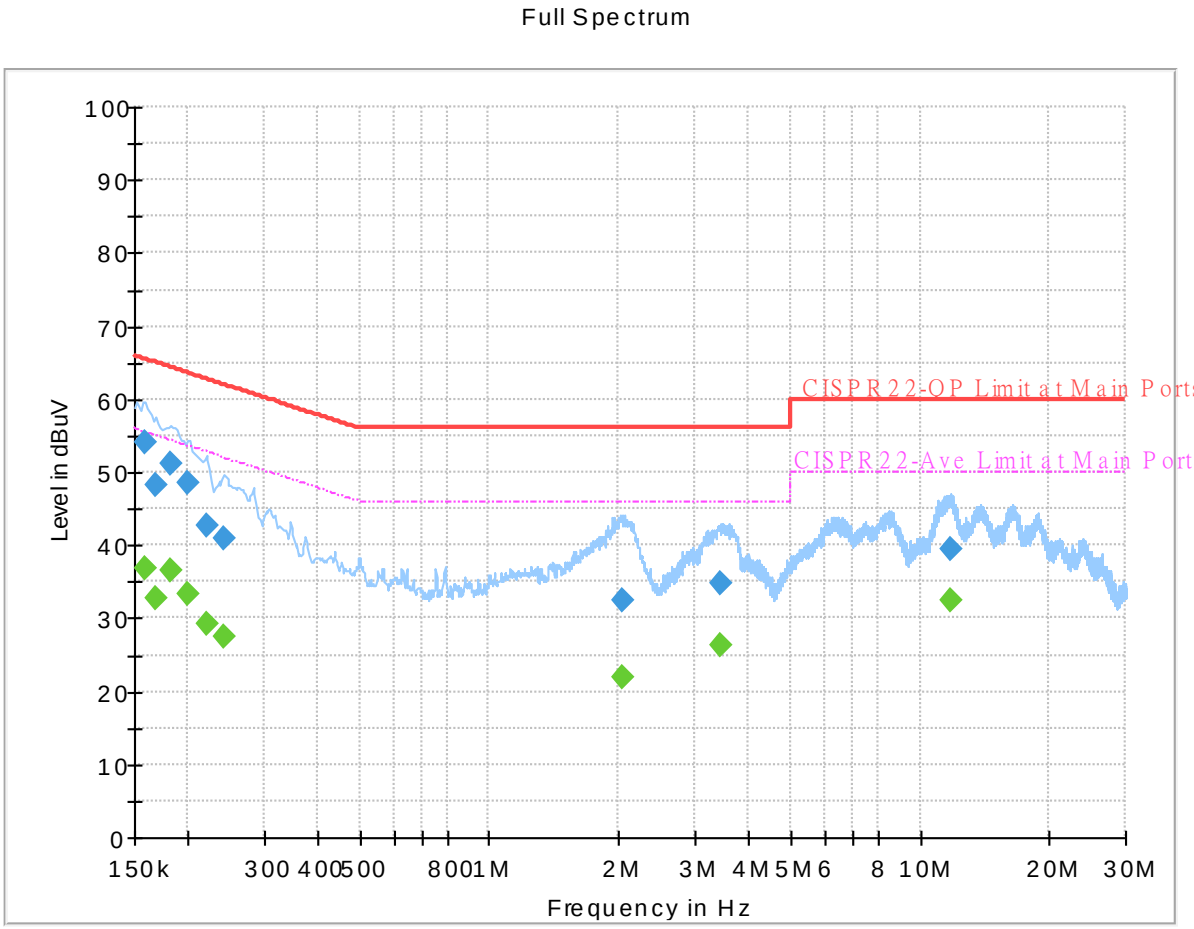
Measured power density (dBm) has offset with cable loss.

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	1D1645
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



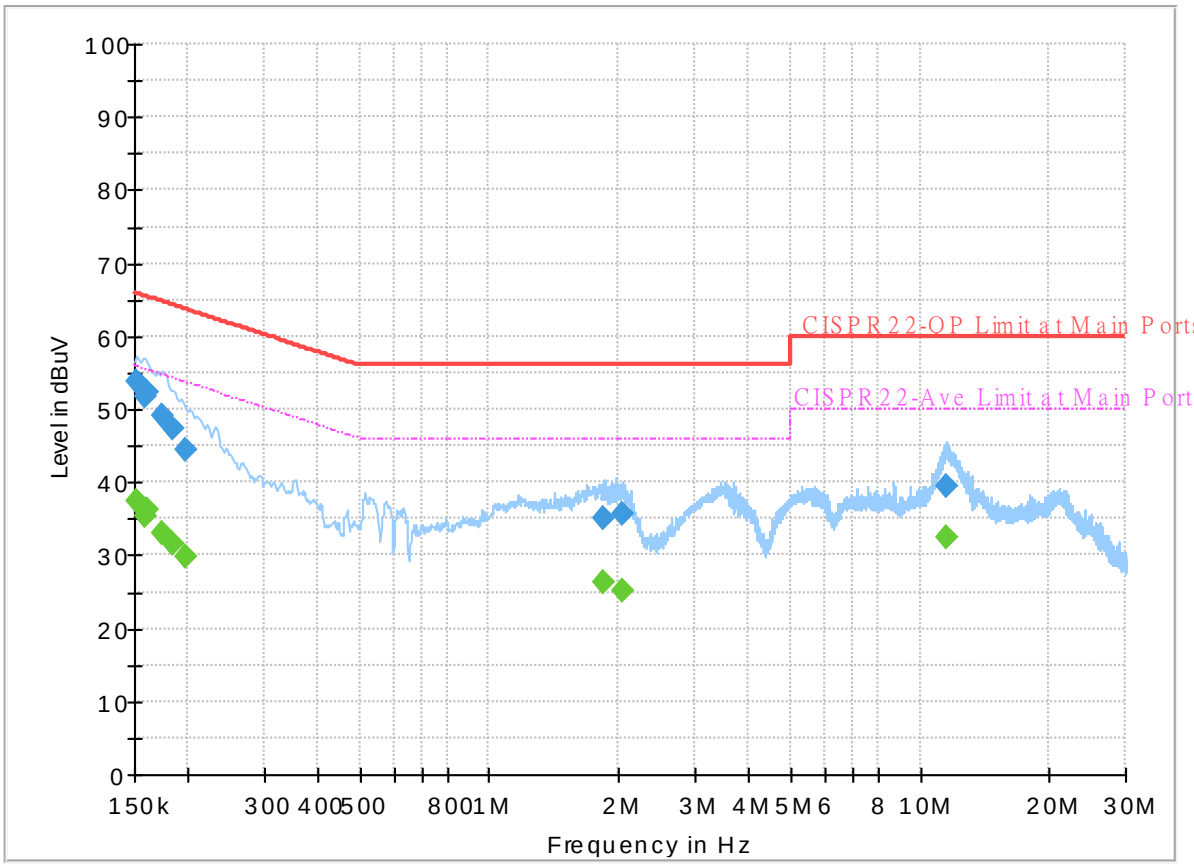
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	36.70	55.52	18.82	L1	OFF	19.7
0.159000	54.05	---	65.52	11.47	L1	OFF	19.7
0.168000	---	32.65	55.06	22.41	L1	OFF	19.7
0.168000	48.19	---	65.06	16.87	L1	OFF	19.7
0.181500	---	36.60	54.42	17.82	L1	OFF	19.7
0.181500	51.29	---	64.42	13.13	L1	OFF	19.7
0.199500	---	33.29	53.63	20.34	L1	OFF	19.7
0.199500	48.52	---	63.63	15.11	L1	OFF	19.7
0.219750	---	29.27	52.83	23.56	L1	OFF	19.7
0.219750	42.73	---	62.83	20.10	L1	OFF	19.7
0.242250	---	27.53	52.02	24.49	L1	OFF	19.7
0.242250	40.86	---	62.02	21.16	L1	OFF	19.7
2.031000	---	21.88	46.00	24.12	L1	OFF	19.7
2.031000	32.44	---	56.00	23.56	L1	OFF	19.7
3.462000	---	26.24	46.00	19.76	L1	OFF	19.8
3.462000	34.87	---	56.00	21.13	L1	OFF	19.8
11.782500	---	32.47	50.00	17.53	L1	OFF	19.9
11.782500	39.50	---	60.00	20.50	L1	OFF	19.9

EUT Information

Report NO :	1D1645
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	---	37.47	55.88	18.41	N	OFF	19.7
0.152250	53.73	---	65.88	12.15	N	OFF	19.7
0.159000	---	35.51	55.52	20.01	N	OFF	19.7
0.159000	51.75	---	65.52	13.77	N	OFF	19.7
0.161250	---	36.22	55.40	19.18	N	OFF	19.7
0.161250	52.40	---	65.40	13.00	N	OFF	19.7
0.174750	---	32.96	54.73	21.77	N	OFF	19.7
0.174750	49.11	---	64.73	15.62	N	OFF	19.7
0.183750	---	31.52	54.31	22.79	N	OFF	19.7
0.183750	47.31	---	64.31	17.00	N	OFF	19.7
0.197250	---	29.91	53.73	23.82	N	OFF	19.7
0.197250	44.31	---	63.73	19.42	N	OFF	19.7
1.848750	---	26.37	46.00	19.63	N	OFF	19.7
1.848750	35.10	---	56.00	20.90	N	OFF	19.7
2.033250	---	25.09	46.00	20.91	N	OFF	19.7
2.033250	35.82	---	56.00	20.18	N	OFF	19.7
11.539500	---	32.58	50.00	17.42	N	OFF	19.9
11.539500	39.58	---	60.00	20.42	N	OFF	19.9

Appendix C. Radiated Spurious Emission

Test Engineer :	Yuan Lee, Jacky Hong and Peter Liao	Temperature :	20~25°C
		Relative Humidity :	58~68%

Remark: For Radiated Spurious Emission Test Items, Ant. 1 means Chain 1 (Aux.) and Ant. 2 means Chain 2 (Main).

<Sample 1>

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 13 2472MHz	*	2472	98.91	-	-	84.18	27.64	14.13	27.04	398	134	P	H
	*	2472	95.55	-	-	80.82	27.64	14.13	27.04	398	134	A	H
		2484.32	59.99	-14.01	74	45.21	27.67	14.15	27.04	398	134	P	H
		2485.6	47.79	-6.21	54	33	27.67	14.15	27.03	398	134	A	H
													H
													H
	*	2472	102.08	-	-	87.35	27.64	14.13	27.04	380	223	P	V
	*	2472	99.01	-	-	84.28	27.64	14.13	27.04	380	223	A	V
		2483.64	60	-14	74	45.22	27.67	14.15	27.04	380	223	P	V
		2485.84	48.81	-5.19	54	34.02	27.67	14.15	27.03	380	223	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 13 2472MHz		4944	40.39	-33.61	74	58.71	31.66	6.86	56.84	-	-	P	H
		7416	45.27	-28.73	74	56.76	37.07	8.56	57.12	-	-	P	H
		10995	50.42	-23.58	74	55.43	40.71	10.06	55.78	-	-	P	H
		10995	37.96	-16.04	54	42.97	40.71	10.06	55.78	-	-	A	H
		14490	50.51	-23.49	74	52.96	41.86	11.77	56.08	-	-	P	H
		14490	39.72	-14.28	54	42.17	41.86	11.77	56.08	-	-	A	H
		18000	58.37	-15.63	74	53.04	48.5	13.55	56.72	-	-	P	H
		18000	46.64	-7.36	54	41.31	48.5	13.55	56.72	-	-	A	H
													H
													H
													H
													H
		4944	40.13	-33.87	74	58.45	31.66	6.86	56.84	-	-	P	V
		7416	45.09	-28.91	74	56.58	37.07	8.56	57.12	-	-	P	V
		10935	49.37	-24.63	74	54.38	40.83	10.02	55.86	-	-	P	V
		10935	37.35	-16.65	54	42.36	40.83	10.02	55.86	-	-	A	V
		14490	50.76	-23.24	74	53.21	41.86	11.77	56.08	-	-	P	V
		14490	39.71	-14.29	54	42.16	41.86	11.77	56.08	-	-	A	V
		17985	57.91	-16.09	74	52.99	48.1	13.54	56.72	-	-	P	V
		17985	46.21	-7.79	54	41.29	48.1	13.54	56.72	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<Sample 2>

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2357.565	56.02	-17.98	74	41.29	27.78	14.03	27.08	397	235	P	H
		2311.26	44.43	-9.57	54	29.42	28.11	13.99	27.09	397	235	A	H
	*	2412	108.27	-	-	93.57	27.68	14.08	27.06	397	235	P	H
	*	2412	105.3	-	-	90.6	27.68	14.08	27.06	397	235	A	H
													H
													H
		2389.38	56.3	-17.7	74	41.59	27.72	14.06	27.07	383	223	P	V
		2390	44.44	-9.56	54	29.73	27.72	14.06	27.07	383	223	A	V
	*	2412	111.61	-	-	96.91	27.68	14.08	27.06	383	223	P	V
	*	2412	108.63	-	-	93.93	27.68	14.08	27.06	383	223	A	V
													V
													V
802.11b CH 06 2437MHz		2311.12	55.72	-18.28	74	40.71	28.11	13.99	27.09	390	235	P	H
		2312.24	44.4	-9.6	54	29.4	28.1	13.99	27.09	390	235	A	H
	*	2437	106.36	-	-	91.68	27.63	14.1	27.05	390	235	P	H
	*	2437	102.84	-	-	88.16	27.63	14.1	27.05	390	235	A	H
		2492.98	55.89	-18.11	74	41.08	27.69	14.15	27.03	390	235	P	H
		2487.76	44.39	-9.61	54	29.59	27.68	14.15	27.03	390	235	A	H
		2343.6	55.52	-18.48	74	40.73	27.85	14.02	27.08	400	220	P	V
		2313.5	44.4	-9.6	54	29.41	28.09	13.99	27.09	400	220	A	V
	*	2437	110.74	-	-	96.06	27.63	14.1	27.05	400	220	P	V
	*	2437	107.6	-	-	92.92	27.63	14.1	27.05	400	220	A	V
		2489.38	55.97	-18.03	74	41.17	27.68	14.15	27.03	400	220	P	V
		2483.53	44.47	-9.53	54	29.69	27.67	14.15	27.04	400	220	A	V

802.11b CH 11 2462MHz	*	2462	107.96	-	-	93.25	27.62	14.13	27.04	383	236	P	H
	*	2462	104.87	-	-	90.16	27.62	14.13	27.04	383	236	A	H
		2491.64	55.66	-18.34	74	40.86	27.68	14.15	27.03	383	236	P	H
		2483.52	44.46	-9.54	54	29.68	27.67	14.15	27.04	383	236	A	H
													H
													H
	*	2462	112.13	-	-	97.42	27.62	14.13	27.04	385	224	P	V
	*	2462	109.01	-	-	94.3	27.62	14.13	27.04	385	224	A	V
		2492.12	55.62	-18.38	74	40.82	27.68	14.15	27.03	385	224	P	V
		2483.76	44.62	-9.38	54	29.84	27.67	14.15	27.04	385	224	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 12 2467MHz	*	2467	106.55	-	-	91.83	27.63	14.13	27.04	376	235	P	H
	*	2467	103.4	-	-	88.68	27.63	14.13	27.04	376	235	A	H
		2483.64	55.91	-18.09	74	41.13	27.67	14.15	27.04	376	235	P	H
		2484.12	45.88	-8.12	54	31.1	27.67	14.15	27.04	376	235	A	H
													H
													H
	*	2467	109.81	-	-	95.09	27.63	14.13	27.04	372	217	P	V
	*	2467	106.63	-	-	91.91	27.63	14.13	27.04	372	217	A	V
		2484	56.99	-17.01	74	42.21	27.67	14.15	27.04	372	217	P	V
		2484.12	47.98	-6.02	54	33.2	27.67	14.15	27.04	372	217	A	V
													V
													V
802.11b CH 13 2472MHz	*	2472	104.7	-	-	89.97	27.64	14.13	27.04	375	235	P	H
	*	2472	101.52	-	-	86.79	27.64	14.13	27.04	375	235	A	H
		2483.64	65.53	-8.47	74	50.75	27.67	14.15	27.04	375	235	P	H
		2485.56	49.45	-4.55	54	34.66	27.67	14.15	27.03	375	235	A	H
													H
													H
	*	2472	108.27	-	-	93.54	27.64	14.13	27.04	371	220	P	V
	*	2472	105.03	-	-	90.3	27.64	14.13	27.04	371	220	A	V
		2483.64	69.17	-4.83	74	54.39	27.67	14.15	27.04	371	220	P	V
		2485.68	53.15	-0.85	54	38.36	27.67	14.15	27.03	371	220	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1+2	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	39.93	-34.07	74	58.74	31.45	6.8	57.06	-	-	P	H
		10725	48.85	-25.15	74	54.55	40.55	9.9	56.15	-	-	P	H
		10725	37.72	-16.28	54	43.42	40.55	9.9	56.15	-	-	A	H
		14490	50.58	-23.42	74	53.03	41.86	11.77	56.08	-	-	P	H
		14490	40.73	-13.27	54	43.18	41.86	11.77	56.08	-	-	A	H
		18000	56.55	-17.45	74	51.22	48.5	13.55	56.72	-	-	P	H
		18000	48.75	-5.25	54	43.42	48.5	13.55	56.72	-	-	A	H
													H
													H
													H
													H
													H
		4824	39.65	-34.35	74	58.46	31.45	6.8	57.06	-	-	P	V
		11550	49.12	-24.88	74	54.5	40.1	10.29	55.77	-	-	P	V
		11550	38.1	-15.9	54	43.48	40.1	10.29	55.77	-	-	A	V
		14490	51.19	-22.81	74	53.64	41.86	11.77	56.08	-	-	P	V
		14490	41.74	-12.26	54	44.19	41.86	11.77	56.08	-	-	A	V
		17985	56.22	-17.78	74	51.3	48.1	13.54	56.72	-	-	P	V
		17985	48.01	-5.99	54	43.09	48.1	13.54	56.72	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 06 2437MHz		4874	39.97	-34.03	74	58.67	31.45	6.82	56.97	-	-	P	H
		7311	44.99	-29.01	74	56.37	37.08	8.44	56.9	-	-	P	H
		10860	48.56	-25.44	74	53.72	40.82	9.98	55.96	-	-	P	H
		10860	38.55	-15.45	54	43.71	40.82	9.98	55.96	-	-	A	H
		14490	50.88	-23.12	74	53.33	41.86	11.77	56.08	-	-	P	H
		14490	40.95	-13.05	54	43.4	41.86	11.77	56.08	-	-	A	H
		17985	56.4	-17.6	74	51.48	48.1	13.54	56.72	-	-	P	H
		17985	48.01	-5.99	54	43.09	48.1	13.54	56.72	-	-	A	H
													H
													H
													H
													H
		4874	39.72	-34.28	74	58.42	31.45	6.82	56.97	-	-	P	V
		7311	45.57	-28.43	74	56.95	37.08	8.44	56.9	-	-	P	V
		10995	49.14	-24.86	74	54.15	40.71	10.06	55.78	-	-	P	V
		10995	38.18	-15.82	54	43.19	40.71	10.06	55.78	-	-	A	V
		14475	50.4	-23.6	74	52.95	41.8	11.76	56.11	-	-	P	V
		14475	41.45	-12.55	54	44	41.8	11.76	56.11	-	-	A	V
		18000	56.9	-17.1	74	51.57	48.5	13.55	56.72	-	-	P	V
		18000	48.48	-5.52	54	43.15	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 11 2462MHz		4924	39.81	-34.19	74	58.3	31.54	6.85	56.88	-	-	P	H
		7386	44.95	-29.05	74	56.38	37.07	8.55	57.05	-	-	P	H
		10815	48.76	-25.24	74	54.1	40.73	9.96	56.03	-	-	P	H
		10815	37.91	-16.09	54	43.25	40.73	9.96	56.03	-	-	A	H
		14490	50.83	-23.17	74	53.28	41.86	11.77	56.08	-	-	P	H
		14490	41.34	-12.66	54	43.79	41.86	11.77	56.08	-	-	A	H
		18000	56.74	-17.26	74	51.41	48.5	13.55	56.72	-	-	P	H
		18000	48.48	-5.52	54	43.15	48.5	13.55	56.72	-	-	A	H
													H
													H
													H
													H
		4924	39.48	-34.52	74	57.97	31.54	6.85	56.88	-	-	P	V
		7386	45.74	-28.26	74	57.17	37.07	8.55	57.05	-	-	P	V
		10905	49.48	-24.52	74	54.49	40.89	10	55.9	-	-	P	V
		10905	38.18	-15.82	54	43.19	40.89	10	55.9	-	-	A	V
		14490	50.76	-23.24	74	53.21	41.86	11.77	56.08	-	-	P	V
		14490	41.02	-12.98	54	43.47	41.86	11.77	56.08	-	-	A	V
		17985	56.56	-17.44	74	51.64	48.1	13.54	56.72	-	-	P	V
		17985	48.31	-5.69	54	43.39	48.1	13.54	56.72	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 12 2467MHz		4934	39.57	-34.43	74	57.98	31.6	6.85	56.86	-	-	P	H
		7401	45.13	-28.87	74	56.54	37.1	8.57	57.08	-	-	P	H
		11535	49.65	-24.35	74	55	40.13	10.29	55.77	-	-	P	H
		11535	38.13	-15.87	54	43.48	40.13	10.29	55.77	-	-	A	H
		14490	50.83	-23.17	74	53.28	41.86	11.77	56.08	-	-	P	H
		14490	41.32	-12.68	54	43.77	41.86	11.77	56.08	-	-	A	H
		17970	56.84	-17.16	74	52.35	47.69	13.52	56.72	-	-	P	H
		17970	47.64	-6.36	54	43.15	47.69	13.52	56.72	-	-	A	H
													H
													H
													H
													H
		4934	40.13	-33.87	74	58.54	31.6	6.85	56.86	-	-	P	V
		7401	44.93	-29.07	74	56.34	37.1	8.57	57.08	-	-	P	V
		11010	49.37	-24.63	74	54.43	40.65	10.06	55.77	-	-	P	V
		11010	38.61	-15.39	54	43.67	40.65	10.06	55.77	-	-	A	V
		14475	50.11	-23.89	74	52.66	41.8	11.76	56.11	-	-	P	V
		14475	40.92	-13.08	54	43.47	41.8	11.76	56.11	-	-	A	V
		18000	57.43	-16.57	74	52.1	48.5	13.55	56.72	-	-	P	V
		18000	48.38	-5.62	54	43.05	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 13 2472MHz		4944	40.66	-33.34	74	58.98	31.66	6.86	56.84	-	-	P	H
		7416	44.44	-29.56	74	55.93	37.07	8.56	57.12	-	-	P	H
		10845	49.31	-24.69	74	54.53	40.79	9.97	55.98	-	-	P	H
		10845	38.48	-15.52	54	43.7	40.79	9.97	55.98	-	-	A	H
		14475	50.47	-23.53	74	53.02	41.8	11.76	56.11	-	-	P	H
		14475	41.28	-12.72	54	43.83	41.8	11.76	56.11	-	-	A	H
		18000	58.4	-15.6	74	53.07	48.5	13.55	56.72	-	-	P	H
		18000	48.38	-5.62	54	43.05	48.5	13.55	56.72	-	-	A	H
													H
													H
													H
													H
		4944	40.03	-33.97	74	58.35	31.66	6.86	56.84	-	-	P	V
		7416	44.83	-29.17	74	56.32	37.07	8.56	57.12	-	-	P	V
		10845	49.14	-24.86	74	54.36	40.79	9.97	55.98	-	-	P	V
		10845	38.24	-15.76	54	43.46	40.79	9.97	55.98	-	-	A	V
		14490	50.36	-23.64	74	52.81	41.86	11.77	56.08	-	-	P	V
		14490	41.1	-12.9	54	43.55	41.86	11.77	56.08	-	-	A	V
		17970	56.71	-17.29	74	52.22	47.69	13.52	56.72	-	-	P	V
		17970	47.46	-6.54	54	42.97	47.69	13.52	56.72	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.905	57.98	-16.02	74	43.27	27.72	14.06	27.07	400	131	P	H
		2390	46.06	-7.94	54	31.35	27.72	14.06	27.07	400	131	A	H
	*	2412	106.37	-	-	91.67	27.68	14.08	27.06	400	131	P	H
	*	2412	98.96	-	-	84.26	27.68	14.08	27.06	400	131	A	H
													H
													H
		2389.905	61.2	-12.8	74	46.49	27.72	14.06	27.07	400	215	P	V
		2390	49.32	-4.68	54	34.61	27.72	14.06	27.07	400	215	A	V
	*	2412	113.4	-	-	98.7	27.68	14.08	27.06	400	215	P	V
	*	2412	106.06	-	-	91.36	27.68	14.08	27.06	400	215	A	V
													V
													V
802.11g CH 06 2437MHz		2362.92	55.37	-18.63	74	40.63	27.77	14.04	27.07	309	67	P	H
		2313.5	44.35	-9.65	54	29.36	28.09	13.99	27.09	309	67	A	H
	*	2437	107.46	-	-	92.78	27.63	14.1	27.05	309	67	P	H
	*	2437	99.98	-	-	85.3	27.63	14.1	27.05	309	67	A	H
		2495.23	55.33	-18.67	74	40.51	27.69	14.16	27.03	309	67	P	H
		2499.01	44.4	-9.6	54	29.57	27.7	14.16	27.03	309	67	A	H
		2339.26	55.5	-18.5	74	40.67	27.89	14.02	27.08	386	219	P	V
		2311.4	44.38	-9.62	54	29.37	28.11	13.99	27.09	386	219	A	V
	*	2437	111.04	-	-	96.36	27.63	14.1	27.05	386	219	P	V
	*	2437	103.75	-	-	89.07	27.63	14.1	27.05	386	219	A	V
		2488.75	55.63	-18.37	74	40.83	27.68	14.15	27.03	386	219	P	V
		2483.98	44.45	-9.55	54	29.67	27.67	14.15	27.04	386	219	A	V

802.11g CH 11 2462MHz	*	2462	107.81	-	-	93.1	27.62	14.13	27.04	370	238	P	H
	*	2462	100.33	-	-	85.62	27.62	14.13	27.04	370	238	A	H
		2483.68	60	-14	74	45.22	27.67	14.15	27.04	370	238	P	H
		2483.52	47.76	-6.24	54	32.98	27.67	14.15	27.04	370	238	A	H
													H
													H
	*	2462	113.22	-	-	98.51	27.62	14.13	27.04	386	225	P	V
	*	2462	105.53	-	-	90.82	27.62	14.13	27.04	386	225	A	V
		2483.8	62.37	-11.63	74	47.59	27.67	14.15	27.04	386	225	P	V
		2483.52	50.24	-3.76	54	35.46	27.67	14.15	27.04	386	225	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 12 2467MHz	*	2467	106.79	-	-	92.07	27.63	14.13	27.04	379	230	P	H
	*	2467	99.27	-	-	84.55	27.63	14.13	27.04	379	230	A	H
		2483.6	63.05	-10.95	74	48.27	27.67	14.15	27.04	379	230	P	H
		2483.52	50.71	-3.29	54	35.93	27.67	14.15	27.04	379	230	A	H
													H
													H
	*	2467	111.08	-	-	96.36	27.63	14.13	27.04	387	227	P	V
	*	2467	103.48	-	-	88.76	27.63	14.13	27.04	387	227	A	V
		2483.52	65.59	-8.41	74	50.81	27.67	14.15	27.04	387	227	P	V
		2483.52	52.95	-1.05	54	38.17	27.67	14.15	27.04	387	227	A	V
													V
													V
802.11g CH 13 2472MHz	*	2472	93.76	-	-	79.03	27.64	14.13	27.04	297	67	P	H
	*	2472	85.99	-	-	71.26	27.64	14.13	27.04	297	67	A	H
		2483.52	60	-14	74	45.22	27.67	14.15	27.04	297	67	P	H
		2483.52	47.07	-6.93	54	32.29	27.67	14.15	27.04	297	67	A	H
													H
													H
	*	2472	96.01	-	-	81.28	27.64	14.13	27.04	363	195	P	V
	*	2472	88.21	-	-	73.48	27.64	14.13	27.04	363	195	A	V
		2483.56	61.3	-12.7	74	46.52	27.67	14.15	27.04	363	195	P	V
		2483.52	48.5	-5.5	54	33.72	27.67	14.15	27.04	363	195	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 1+2	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	39.87	-34.13	74	58.68	31.45	6.8	57.06	-	-	P	H
		10995	49.75	-24.25	74	54.76	40.71	10.06	55.78	-	-	P	H
		10995	38.5	-15.5	54	43.51	40.71	10.06	55.78	-	-	A	H
		14475	51.12	-22.88	74	53.67	41.8	11.76	56.11	-	-	P	H
		14475	40.92	-13.08	54	43.47	41.8	11.76	56.11	-	-	A	H
		17985	56.86	-17.14	74	51.94	48.1	13.54	56.72	-	-	P	H
		17985	48.09	-5.91	54	43.17	48.1	13.54	56.72	-	-	A	H
													H
													H
													H
													H
													H
		4824	39.82	-34.18	74	58.63	31.45	6.8	57.06	-	-	P	V
		10845	48.93	-25.07	74	54.15	40.79	9.97	55.98	-	-	P	V
		10845	38.41	-15.59	54	43.63	40.79	9.97	55.98	-	-	A	V
		14490	50.76	-23.24	74	53.21	41.86	11.77	56.08	-	-	P	V
		14490	40.91	-13.09	54	43.36	41.86	11.77	56.08	-	-	A	V
		17955	56.73	-17.27	74	52.66	47.28	13.51	56.72	-	-	P	V
		17955	47.27	-6.73	54	43.2	47.28	13.51	56.72	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 06 2437MHz		4874	40.84	-33.16	74	59.54	31.45	6.82	56.97	-	-	P	H
		7311	45.28	-28.72	74	56.66	37.08	8.44	56.9	-	-	P	H
		10830	49.71	-24.29	74	54.98	40.76	9.97	56	-	-	P	H
		10830	38.27	-15.73	54	43.54	40.76	9.97	56	-	-	A	H
		14490	50.93	-23.07	74	53.38	41.86	11.77	56.08	-	-	P	H
		14490	41.26	-12.74	54	43.71	41.86	11.77	56.08	-	-	A	H
		18000	57.06	-16.94	74	51.73	48.5	13.55	56.72	-	-	P	H
		18000	48.5	-5.5	54	43.17	48.5	13.55	56.72	-	-	A	H
													H
													H
													H
													H
		4874	40.78	-33.22	74	59.48	31.45	6.82	56.97	-	-	P	V
		7311	45.27	-28.73	74	56.65	37.08	8.44	56.9	-	-	P	V
		10980	49.2	-24.8	74	54.21	40.74	10.05	55.8	-	-	P	V
		10980	38.28	-15.72	54	43.29	40.74	10.05	55.8	-	-	A	V
		14490	51.86	-22.14	74	54.31	41.86	11.77	56.08	-	-	P	V
		14490	41.2	-12.8	54	43.65	41.86	11.77	56.08	-	-	A	V
		17985	56.39	-17.61	74	51.47	48.1	13.54	56.72	-	-	P	V
		17985	48.16	-5.84	54	43.24	48.1	13.54	56.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 11 2462MHz		4924	39.4	-34.6	74	57.89	31.54	6.85	56.88	-	-	P	H
		7386	45.49	-28.51	74	56.92	37.07	8.55	57.05	-	-	P	H
		11010	49.28	-24.72	74	54.34	40.65	10.06	55.77	-	-	P	H
		11010	38.35	-15.65	54	43.41	40.65	10.06	55.77	-	-	A	H
		14490	50.5	-23.5	74	52.95	41.86	11.77	56.08	-	-	P	H
		14490	41.37	-12.63	54	43.82	41.86	11.77	56.08	-	-	A	H
		17985	56.89	-17.11	74	51.97	48.1	13.54	56.72	-	-	P	H
		17985	48.02	-5.98	54	43.1	48.1	13.54	56.72	-	-	A	H
													H
													H
													H
													H
		4924	39.99	-34.01	74	58.48	31.54	6.85	56.88	-	-	P	V
		7386	45.25	-28.75	74	56.68	37.07	8.55	57.05	-	-	P	V
		10830	49.5	-24.5	74	54.77	40.76	9.97	56	-	-	P	V
		10830	38.13	-15.87	54	43.4	40.76	9.97	56	-	-	A	V
		14490	50.07	-23.93	74	52.52	41.86	11.77	56.08	-	-	P	V
		14490	41.13	-12.87	54	43.58	41.86	11.77	56.08	-	-	A	V
		18000	56.64	-17.36	74	51.31	48.5	13.55	56.72	-	-	P	V
		18000	48.42	-5.58	54	43.09	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 12 2467MHz		4934	40	-34	74	58.41	31.6	6.85	56.86	-	-	P	H
		7401	45.25	-28.75	74	56.66	37.1	8.57	57.08	-	-	P	H
		10830	49.14	-24.86	74	54.41	40.76	9.97	56	-	-	P	H
		10830	38.51	-15.49	54	43.78	40.76	9.97	56	-	-	A	H
		14475	50.28	-23.72	74	52.83	41.8	11.76	56.11	-	-	P	H
		14475	41.04	-12.96	54	43.59	41.8	11.76	56.11	-	-	A	H
		18000	56.9	-17.1	74	51.57	48.5	13.55	56.72	-	-	P	H
		18000	48.54	-5.46	54	43.21	48.5	13.55	56.72	-	-	A	H
													H
													H
													H
													H
		4934	41.1	-32.9	74	59.51	31.6	6.85	56.86	-	-	P	V
		7401	45.57	-28.43	74	56.98	37.1	8.57	57.08	-	-	P	V
		10980	49.41	-24.59	74	54.42	40.74	10.05	55.8	-	-	P	V
		10980	38.37	-15.63	54	43.38	40.74	10.05	55.8	-	-	A	V
		14490	50.79	-23.21	74	53.24	41.86	11.77	56.08	-	-	P	V
		14490	41.21	-12.79	54	43.66	41.86	11.77	56.08	-	-	A	V
		17985	57.12	-16.88	74	52.2	48.1	13.54	56.72	-	-	P	V
		17985	47.97	-6.03	54	43.05	48.1	13.54	56.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 13 2472MHz		4944	40.7	-33.3	74	59.02	31.66	6.86	56.84	-	-	P	H
		7416	44.4	-29.6	74	55.89	37.07	8.56	57.12	-	-	P	H
		10845	49.86	-24.14	74	55.08	40.79	9.97	55.98	-	-	P	H
		10845	38.97	-15.03	54	44.19	40.79	9.97	55.98	-	-	A	H
		14490	51.39	-22.61	74	53.84	41.86	11.77	56.08	-	-	P	H
		14490	41.24	-12.76	54	43.69	41.86	11.77	56.08	-	-	A	H
		18000	56.74	-17.26	74	51.41	48.5	13.55	56.72	-	-	P	H
		18000	48.66	-5.34	54	43.33	48.5	13.55	56.72	-	-	A	H
													H
													H
													H
													H
		4944	39.88	-34.12	74	58.2	31.66	6.86	56.84	-	-	P	V
		7416	44.92	-29.08	74	56.41	37.07	8.56	57.12	-	-	P	V
		10680	48.98	-25.02	74	54.87	40.44	9.88	56.21	-	-	P	V
		10680	37.45	-16.55	54	43.34	40.44	9.88	56.21	-	-	A	V
		14490	50.63	-23.37	74	53.08	41.86	11.77	56.08	-	-	P	V
		14490	41.28	-12.72	54	43.73	41.86	11.77	56.08	-	-	A	V
		18000	56.49	-17.51	74	51.16	48.5	13.55	56.72	-	-	P	V
		18000	48.41	-5.59	54	43.08	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

2.4GHz 2400~2483.5MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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		2388.645	57.74	-16.26	74	43.03	27.72	14.06	27.07	320	68	P	H
		2390	46.77	-7.23	54	32.06	27.72	14.06	27.07	320	68	A	H
	*	2412	110.71	-	-	96.01	27.68	14.08	27.06	320	68	P	H
	*	2412	102.04	-	-	87.34	27.68	14.08	27.06	320	68	A	H
													H
													H
		2390	64.62	-9.38	74	49.91	27.72	14.06	27.07	400	220	P	V
		2390	52.73	-1.27	54	38.02	27.72	14.06	27.07	400	220	A	V
	*	2412	115.07	-	-	100.37	27.68	14.08	27.06	400	220	P	V
	*	2412	105.39	-	-	90.69	27.68	14.08	27.06	400	220	A	V
													V
													V
802.11ax HE20 Full CH 06 2437MHz		2328.06	55.56	-18.44	74	40.66	27.98	14.01	27.09	307	68	P	H
		2313.36	44.36	-9.64	54	29.37	28.09	13.99	27.09	307	68	A	H
	*	2437	110.24	-	-	95.56	27.63	14.1	27.05	307	68	P	H
	*	2437	99.32	-	-	84.64	27.63	14.1	27.05	307	68	A	H
		2484.88	55.05	-18.95	74	40.26	27.67	14.15	27.03	307	68	P	H
		2499.28	44.38	-9.62	54	29.55	27.7	14.16	27.03	307	68	A	H
		2371.74	55.33	-18.67	74	40.6	27.76	14.04	27.07	400	221	P	V
		2310.56	44.41	-9.59	54	29.39	28.12	13.99	27.09	400	221	A	V
	*	2437	110.59	-	-	95.91	27.63	14.1	27.05	400	221	P	V
	*	2437	102.73	-	-	88.05	27.63	14.1	27.05	400	221	A	V
		2491.9	55.73	-18.27	74	40.93	27.68	14.15	27.03	400	221	P	V
		2483.53	44.41	-9.59	54	29.63	27.67	14.15	27.04	400	221	A	V

WIFI Ant. 1+2	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	108.42	-	-	93.71	27.62	14.13	27.04	379	238	P	H
	*	2462	99.68	-	-	84.97	27.62	14.13	27.04	379	238	A	H
		2483.56	63.7	-10.3	74	48.92	27.67	14.15	27.04	379	238	P	H
		2483.52	49.31	-4.69	54	34.53	27.67	14.15	27.04	379	238	A	H
													H
													H
	*	2462	113.37	-	-	98.66	27.62	14.13	27.04	377	222	P	V
	*	2462	104.19	-	-	89.48	27.62	14.13	27.04	377	222	A	V
		2483.76	66.03	-7.97	74	51.25	27.67	14.15	27.04	377	222	P	V
		2483.52	52.46	-1.54	54	37.68	27.67	14.15	27.04	377	222	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI Ant. 1+2	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)
	*	2467	106.09	-	-	91.37	27.63	14.13	27.04	388	253	P	H
	*	2467	96.83	-	-	82.11	27.63	14.13	27.04	388	253	A	H
		2483.52	59.21	-14.79	74	44.43	27.67	14.15	27.04	388	253	P	H
		2483.52	47.97	-6.03	54	33.19	27.67	14.15	27.04	388	253	A	H
802.11ax													H
HE20 Full													H
CH 12	*	2467	110.85	-	-	96.13	27.63	14.13	27.04	370	195	P	V
2467MHz	*	2467	100.54	-	-	85.82	27.63	14.13	27.04	370	195	A	V
		2483.56	63.23	-10.77	74	48.45	27.67	14.15	27.04	370	195	P	V
		2483.52	52.85	-1.15	54	38.07	27.67	14.15	27.04	370	195	A	V
													V
													V
	*	2472	96.77	-	-	82.04	27.64	14.13	27.04	305	68	P	H
	*	2472	85.93	-	-	71.2	27.64	14.13	27.04	305	68	A	H
		2483.56	58.59	-15.41	74	43.81	27.67	14.15	27.04	305	68	P	H
		2483.52	45.32	-8.68	54	30.54	27.67	14.15	27.04	305	68	A	H
802.11ax													H
HE20 Full													H
CH 13	*	2472	96.99	-	-	82.26	27.64	14.13	27.04	396	229	P	V
2472MHz	*	2472	89.21	-	-	74.48	27.64	14.13	27.04	396	229	A	V
		2483.8	64.82	-9.18	74	50.04	27.67	14.15	27.04	396	229	P	V
		2483.52	48.61	-5.39	54	33.83	27.67	14.15	27.04	396	229	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. 1+2	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)
		4824	39.11	-34.89	74	57.92	31.45	6.8	57.06	-	-	P	H
		11025	49.32	-24.68	74	54.44	40.58	10.07	55.77	-	-	P	H
		11025	38.65	-15.35	54	43.77	40.58	10.07	55.77	-	-	A	H
		14490	50.95	-23.05	74	53.4	41.86	11.77	56.08	-	-	P	H
		14490	41.73	-12.27	54	44.18	41.86	11.77	56.08	-	-	A	H
		18000	57.08	-16.92	74	51.75	48.5	13.55	56.72	-	-	P	H
		18000	48.56	-5.44	54	43.23	48.5	13.55	56.72	-	-	A	H
										-	-		H
													H
													H
802.11ax													H
HE20 Full													H
CH 01		4824	39.35	-34.65	74	58.16	31.45	6.8	57.06	-	-	P	V
2412MHz		10830	49.99	-24.01	74	55.26	40.76	9.97	56	-	-	P	V
		10830	38.19	-15.81	54	43.46	40.76	9.97	56	-	-	A	V
		14490	51.07	-22.93	74	53.52	41.86	11.77	56.08	-	-	P	V
		14490	40.84	-13.16	54	43.29	41.86	11.77	56.08	-	-	A	V
		18000	57.14	-16.86	74	51.81	48.5	13.55	56.72	-	-	P	V
		18000	48.44	-5.56	54	43.11	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		4874	39.59	-34.41	74	58.29	31.45	6.82	56.97	-	-	P	H
		7311	44.83	-29.17	74	56.21	37.08	8.44	56.9	-	-	P	H
		10815	49.14	-24.86	74	54.48	40.73	9.96	56.03	-	-	P	H
		10815	38.22	-15.78	54	43.56	40.73	9.96	56.03	-	-	A	H
		14475	50.54	-23.46	74	53.09	41.8	11.76	56.11	-	-	P	H
		14475	41.6	-12.4	54	44.15	41.8	11.76	56.11	-	-	A	H
		17970	56.79	-17.21	74	52.3	47.69	13.52	56.72	-	-	P	H
		17970	47.57	-6.43	54	43.08	47.69	13.52	56.72	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 06		4874	39.02	-34.98	74	57.72	31.45	6.82	56.97	-	-	P	V
2437MHz		7311	44.72	-29.28	74	56.1	37.08	8.44	56.9	-	-	P	V
		10815	49.32	-24.68	74	54.66	40.73	9.96	56.03	-	-	P	V
		10815	38.59	-15.41	54	43.93	40.73	9.96	56.03	-	-	A	V
		14490	50.85	-23.15	74	53.3	41.86	11.77	56.08	-	-	P	V
		14490	40.92	-13.08	54	43.37	41.86	11.77	56.08	-	-	A	V
		18000	56.61	-17.39	74	51.28	48.5	13.55	56.72	-	-	P	V
		18000	48.39	-5.61	54	43.06	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V

		4924	39.77	-34.23	74	58.26	31.54	6.85	56.88	-	-	P	H
		7386	44.89	-29.11	74	56.32	37.07	8.55	57.05	-	-	P	H
		11130	49.46	-24.54	74	55.03	40.08	10.12	55.77	-	-	P	H
		11130	37.98	-16.02	54	43.55	40.08	10.12	55.77	-	-	A	H
		14490	50.76	-23.24	74	53.21	41.86	11.77	56.08	-	-	P	H
		14490	41.55	-12.45	54	44	41.86	11.77	56.08	-	-	A	H
		17985	56.31	-17.69	74	51.39	48.1	13.54	56.72	-	-	P	H
		17985	48.22	-5.78	54	43.3	48.1	13.54	56.72	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 11		4924	39.5	-34.5	74	57.99	31.54	6.85	56.88	-	-	P	V
2462MHz		7386	44.85	-29.15	74	56.28	37.07	8.55	57.05	-	-	P	V
		10995	49.25	-24.75	74	54.26	40.71	10.06	55.78	-	-	P	V
		10995	38.42	-15.58	54	43.43	40.71	10.06	55.78	-	-	A	V
		14475	50.33	-23.67	74	52.88	41.8	11.76	56.11	-	-	P	V
		14475	41.11	-12.89	54	43.66	41.8	11.76	56.11	-	-	A	V
		18000	56.15	-17.85	74	50.82	48.5	13.55	56.72	-	-	P	V
		18000	48.45	-5.55	54	43.12	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

WIFI Ant. 1+2	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)
		4934	40.38	-33.62	74	58.79	31.6	6.85	56.86	-	-	P	H
		7401	45.56	-28.44	74	56.97	37.1	8.57	57.08	-	-	P	H
		10965	48.69	-25.31	74	53.7	40.77	10.04	55.82	-	-	P	H
		10965	38.67	-15.33	54	43.68	40.77	10.04	55.82	-	-	A	H
		14490	50.13	-23.87	74	52.58	41.86	11.77	56.08	-	-	P	H
		14490	41.61	-12.39	54	44.06	41.86	11.77	56.08	-	-	A	H
		18000	56.62	-17.38	74	51.29	48.5	13.55	56.72	-	-	P	H
		18000	48.53	-5.47	54	43.2	48.5	13.55	56.72	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 12		4934	39.95	-34.05	74	58.36	31.6	6.85	56.86	-	-	P	V
2467MHz		7401	45.47	-28.53	74	56.88	37.1	8.57	57.08	-	-	P	V
		10875	49.32	-24.68	74	54.43	40.85	9.98	55.94	-	-	P	V
		10875	38.34	-15.66	54	43.45	40.85	9.98	55.94	-	-	A	V
		14490	50.88	-23.12	74	53.33	41.86	11.77	56.08	-	-	P	V
		14490	40.78	-13.22	54	43.23	41.86	11.77	56.08	-	-	A	V
		18000	57.09	-16.91	74	51.76	48.5	13.55	56.72	-	-	P	V
		18000	48.34	-5.66	54	43.01	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		4944	40.55	-33.45	74	58.87	31.66	6.86	56.84	-	-	P	H
		7416	45.82	-28.18	74	57.31	37.07	8.56	57.12	-	-	P	H
		11445	49.64	-24.36	74	55.14	40.03	10.25	55.78	-	-	P	H
		11445	37.83	-16.17	54	43.33	40.03	10.25	55.78	-	-	A	H
		14475	50.84	-23.16	74	53.39	41.8	11.76	56.11	-	-	P	H
		14475	40.03	-13.97	54	42.58	41.8	11.76	56.11	-	-	A	H
		17985	57.21	-16.79	74	52.29	48.1	13.54	56.72	-	-	P	H
		17985	46.37	-7.63	54	41.45	48.1	13.54	56.72	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 13		4944	40.1	-33.9	74	58.42	31.66	6.86	56.84	-	-	P	V
2472MHz		7416	45.34	-28.66	74	56.83	37.07	8.56	57.12	-	-	P	V
		10980	49.06	-24.94	74	54.07	40.74	10.05	55.8	-	-	P	V
		10980	38.3	-15.7	54	43.31	40.74	10.05	55.8	-	-	A	V
		14490	51.51	-22.49	74	53.96	41.86	11.77	56.08	-	-	P	V
		14490	40.12	-13.88	54	42.57	41.86	11.77	56.08	-	-	A	V
		17985	57.69	-16.31	74	52.77	48.1	13.54	56.72	-	-	P	V
		17985	46.38	-7.62	54	41.46	48.1	13.54	56.72	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

2.4GHz 2400~2483.5MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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		2389.52	56.93	-17.07	74	42.22	27.72	14.06	27.07	316	69	P	H
		2389.94	46.21	-7.79	54	31.5	27.72	14.06	27.07	316	69	A	H
	*	2422	108.65	-	-	93.95	27.66	14.09	27.05	316	69	P	H
	*	2422	98.31	-	-	83.61	27.66	14.09	27.05	316	69	A	H
		2499.55	56.15	-17.85	74	41.32	27.7	14.16	27.03	316	69	P	H
		2499.73	44.39	-9.61	54	29.56	27.7	14.16	27.03	316	69	A	H
		2389.94	61.82	-12.18	74	47.11	27.72	14.06	27.07	400	217	P	V
		2389.8	51.19	-2.81	54	36.48	27.72	14.06	27.07	400	217	A	V
	*	2422	111.79	-	-	97.09	27.66	14.09	27.05	400	217	P	V
	*	2422	102.7	-	-	88	27.66	14.09	27.05	400	217	A	V
		2491.81	55.81	-18.19	74	41.01	27.68	14.15	27.03	400	217	P	V
		2483.71	44.7	-9.3	54	29.92	27.67	14.15	27.04	400	217	A	V
802.11ax HE40 Full CH 06 2437MHz		2389.66	57.53	-16.47	74	42.82	27.72	14.06	27.07	311	70	P	H
		2389.94	46.28	-7.72	54	31.57	27.72	14.06	27.07	311	70	A	H
	*	2437	108.23	-	-	93.55	27.63	14.1	27.05	311	70	P	H
	*	2437	98.24	-	-	83.56	27.63	14.1	27.05	311	70	A	H
		2483.89	57.28	-16.72	74	42.5	27.67	14.15	27.04	311	70	P	H
		2483.53	47.35	-6.65	54	32.57	27.67	14.15	27.04	311	70	A	H
		2389.94	57.39	-16.61	74	42.68	27.72	14.06	27.07	400	218	P	V
		2389.94	46.11	-7.89	54	31.4	27.72	14.06	27.07	400	218	A	V
	*	2437	110.17	-	-	95.49	27.63	14.1	27.05	400	218	P	V
	*	2437	101.15	-	-	86.47	27.63	14.1	27.05	400	218	A	V
		2483.62	57.26	-16.74	74	42.48	27.67	14.15	27.04	400	218	P	V
		2487.31	46.51	-7.49	54	31.72	27.67	14.15	27.03	400	218	A	V

WIFI Ant. 1+2	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		2310	55.59	-18.41	74	40.57	28.12	13.99	27.09	302	61	P	H
		2311.82	44.44	-9.56	54	29.43	28.11	13.99	27.09	302	61	A	H
	*	2452	107.23	-	-	92.56	27.6	14.12	27.05	302	61	P	H
	*	2452	97.6	-	-	82.93	27.6	14.12	27.05	302	61	A	H
		2484.43	60.16	-13.84	74	45.37	27.67	14.15	27.03	302	61	P	H
		2484.61	48.29	-5.71	54	33.5	27.67	14.15	27.03	302	61	A	H
		2323.44	56.09	-17.91	74	41.17	28.01	14	27.09	383	219	P	V
		2313.92	44.44	-9.56	54	29.45	28.09	13.99	27.09	383	219	A	V
	*	2452	110.28	-	-	95.61	27.6	14.12	27.05	383	219	P	V
	*	2452	100.29	-	-	85.62	27.6	14.12	27.05	383	219	A	V
		2483.53	63.95	-10.05	74	49.17	27.67	14.15	27.04	383	219	P	V
		2483.53	52.94	-1.06	54	38.16	27.67	14.15	27.04	383	219	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI Ant. 1+2	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 10 2457MHz		2321.2	55.55	-18.45	74	40.61	28.03	14	27.09	331	60	P	H
		2310.28	44.44	-9.56	54	29.42	28.12	13.99	27.09	331	60	A	H
	*	2457	103.69	-	-	89	27.61	14.12	27.04	331	60	P	H
	*	2457	94.49	-	-	79.8	27.61	14.12	27.04	331	60	A	H
		2483.71	59.18	-14.82	74	44.4	27.67	14.15	27.04	331	60	P	H
		2483.53	48.63	-5.37	54	33.85	27.67	14.15	27.04	331	60	A	H
		2386.16	55.76	-18.24	74	41.04	27.73	14.06	27.07	361	195	P	V
		2311.82	44.46	-9.54	54	29.45	28.11	13.99	27.09	361	195	A	V
	*	2457	107.63	-	-	92.94	27.61	14.12	27.04	361	195	P	V
	*	2457	98.28	-	-	83.59	27.61	14.12	27.04	361	195	A	V
		2483.71	62.51	-11.49	74	47.73	27.67	14.15	27.04	361	195	P	V
		2483.53	52.71	-1.29	54	37.93	27.67	14.15	27.04	361	195	A	V
802.11ax HE40 Full CH 11 2462MHz		2312.24	56.06	-17.94	74	41.06	28.1	13.99	27.09	300	62	P	H
		2310.84	44.44	-9.56	54	29.43	28.11	13.99	27.09	300	62	A	H
	*	2462	98.1	-	-	83.39	27.62	14.13	27.04	300	62	P	H
	*	2462	87.78	-	-	73.07	27.62	14.13	27.04	300	62	A	H
		2493.43	55.67	-18.33	74	40.86	27.69	14.15	27.03	300	62	P	H
		2483.53	45.41	-8.59	54	30.63	27.67	14.15	27.04	300	62	A	H
		2387	55.59	-18.41	74	40.87	27.73	14.06	27.07	370	216	P	V
		2311.96	44.43	-9.57	54	29.43	28.1	13.99	27.09	370	216	A	V
	*	2462	99.72	-	-	85.01	27.62	14.13	27.04	370	216	P	V
	*	2462	91.46	-	-	76.75	27.62	14.13	27.04	370	216	A	V
		2483.53	63.27	-10.73	74	48.49	27.67	14.15	27.04	370	216	P	V
		2483.53	48.13	-5.87	54	33.35	27.67	14.15	27.04	370	216	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. 1+2	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)
		4844	40.4	-33.6	74	59.12	31.49	6.81	57.02	-	-	P	H
		7266	46.32	-27.68	74	57.83	36.9	8.39	56.8	-	-	P	H
		10965	49.71	-24.29	74	54.72	40.77	10.04	55.82	-	-	P	H
		10965	38.5	-15.5	54	43.51	40.77	10.04	55.82	-	-	A	H
		14490	51.78	-22.22	74	54.23	41.86	11.77	56.08	-	-	P	H
		14490	40.12	-13.88	54	42.57	41.86	11.77	56.08	-	-	A	H
		18000	57.24	-16.76	74	51.91	48.5	13.55	56.72	-	-	P	H
		18000	46.84	-7.16	54	41.51	48.5	13.55	56.72	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 03		4844	40.09	-33.91	74	58.81	31.49	6.81	57.02	-	-	P	V
2422MHz		7266	45.55	-28.45	74	57.06	36.9	8.39	56.8	-	-	P	V
		10845	50.15	-23.85	74	55.37	40.79	9.97	55.98	-	-	P	V
		10845	38.26	-15.74	54	43.48	40.79	9.97	55.98	-	-	A	V
		14490	51.78	-22.22	74	54.23	41.86	11.77	56.08	-	-	P	V
		14490	40.1	-13.9	54	42.55	41.86	11.77	56.08	-	-	A	V
		17985	57.02	-16.98	74	52.1	48.1	13.54	56.72	-	-	P	V
		17985	46.44	-7.56	54	41.52	48.1	13.54	56.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		4874	40.29	-33.71	74	58.99	31.45	6.82	56.97	-	-	P	H
		7311	44.99	-29.01	74	56.37	37.08	8.44	56.9	-	-	P	H
		10950	49.62	-24.38	74	54.63	40.8	10.03	55.84	-	-	P	H
		10950	37.97	-16.03	54	42.98	40.8	10.03	55.84	-	-	A	H
		14475	51.53	-22.47	74	54.08	41.8	11.76	56.11	-	-	P	H
		14475	40.09	-13.91	54	42.64	41.8	11.76	56.11	-	-	A	H
		18000	57.59	-16.41	74	52.26	48.5	13.55	56.72	-	-	P	H
		18000	46.88	-7.12	54	41.55	48.5	13.55	56.72	-	-	A	H
													H
													H
I802.11ax													H
HE40 Full													H
CH 06		4874	40.59	-33.41	74	59.29	31.45	6.82	56.97	-	-	P	V
2437MHz		7311	46.13	-27.87	74	57.51	37.08	8.44	56.9	-	-	P	V
		11025	49.7	-24.3	74	54.82	40.58	10.07	55.77	-	-	P	V
		11025	37.81	-16.19	54	42.93	40.58	10.07	55.77	-	-	A	V
		14490	51.05	-22.95	74	53.5	41.86	11.77	56.08	-	-	P	V
		14490	40.13	-13.87	54	42.58	41.86	11.77	56.08	-	-	A	V
		18000	57.25	-16.75	74	51.92	48.5	13.55	56.72	-	-	P	V
		18000	46.86	-7.14	54	41.53	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		4904	40.43	-33.57	74	59.08	31.42	6.84	56.91	-	-	P	H
		7356	45.62	-28.38	74	57.09	37.01	8.51	56.99	-	-	P	H
		11025	50.2	-23.8	74	55.32	40.58	10.07	55.77	-	-	P	H
		11025	37.9	-16.1	54	43.02	40.58	10.07	55.77	-	-	A	H
		14475	51.09	-22.91	74	53.64	41.8	11.76	56.11	-	-	P	H
		14475	40.05	-13.95	54	42.6	41.8	11.76	56.11	-	-	A	H
		17970	57.14	-16.86	74	52.65	47.69	13.52	56.72	-	-	P	H
		17970	46.04	-7.96	54	41.55	47.69	13.52	56.72	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 09		4904	40.1	-33.9	74	58.75	31.42	6.84	56.91	-	-	P	V
2452MHz		7356	45.79	-28.21	74	57.26	37.01	8.51	56.99	-	-	P	V
		10680	49.58	-24.42	74	55.47	40.44	9.88	56.21	-	-	P	V
		10680	37.7	-16.3	54	43.59	40.44	9.88	56.21	-	-	A	V
		14490	51.55	-22.45	74	54	41.86	11.77	56.08	-	-	P	V
		14490	40.12	-13.88	54	42.57	41.86	11.77	56.08	-	-	A	V
		18000	57.4	-16.6	74	52.07	48.5	13.55	56.72	-	-	P	V
		18000	46.86	-7.14	54	41.53	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

WIFI Ant. 1+2	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)
		4914	40.13	-33.87	74	58.7	31.48	6.84	56.89	-	-	P	H
		7371	45.51	-28.49	74	56.96	37.04	8.53	57.02	-	-	P	H
		10665	49.05	-24.95	74	55.01	40.4	9.87	56.23	-	-	P	H
		10665	37.65	-16.35	54	43.61	40.4	9.87	56.23	-	-	A	H
		14490	51.16	-22.84	74	53.61	41.86	11.77	56.08	-	-	P	H
		14490	40.12	-13.88	54	42.57	41.86	11.77	56.08	-	-	A	H
		17985	57.55	-16.45	74	52.63	48.1	13.54	56.72	-	-	P	H
		17985	46.48	-7.52	54	41.56	48.1	13.54	56.72	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 10		4914	41.32	-32.68	74	59.89	31.48	6.84	56.89	-	-	P	V
2457MHz		7371	45.29	-28.71	74	56.74	37.04	8.53	57.02	-	-	P	V
		10845	49.21	-24.79	74	54.43	40.79	9.97	55.98	-	-	P	V
		10845	38.25	-15.75	54	43.47	40.79	9.97	55.98	-	-	A	V
		14475	51.34	-22.66	74	53.89	41.8	11.76	56.11	-	-	P	V
		14475	40.01	-13.99	54	42.56	41.8	11.76	56.11	-	-	A	V
		18000	57.71	-16.29	74	52.38	48.5	13.55	56.72	-	-	P	V
		18000	46.89	-7.11	54	41.56	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		4924	39.84	-34.16	74	58.33	31.54	6.85	56.88	-	-	P	H
		7386	45.94	-28.06	74	57.37	37.07	8.55	57.05	-	-	P	H
		10950	49.59	-24.41	74	54.6	40.8	10.03	55.84	-	-	P	H
		10950	37.86	-16.14	54	42.87	40.8	10.03	55.84	-	-	A	H
		14475	51.49	-22.51	74	54.04	41.8	11.76	56.11	-	-	P	H
		14475	40.03	-13.97	54	42.58	41.8	11.76	56.11	-	-	A	H
		17955	57.2	-16.8	74	53.13	47.28	13.51	56.72	-	-	P	H
		17955	45.64	-8.36	54	41.57	47.28	13.51	56.72	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 11		4924	40.7	-33.3	74	59.19	31.54	6.85	56.88	-	-	P	V
2462MHz		7386	46.01	-27.99	74	57.44	37.07	8.55	57.05	-	-	P	V
		10995	49.34	-24.66	74	54.35	40.71	10.06	55.78	-	-	P	V
		10995	38.23	-15.77	54	43.24	40.71	10.06	55.78	-	-	A	V
		14490	52.36	-21.64	74	54.81	41.86	11.77	56.08	-	-	P	V
		14490	40.13	-13.87	54	42.58	41.86	11.77	56.08	-	-	A	V
		17970	57.26	-16.74	74	52.77	47.69	13.52	56.72	-	-	P	V
		17970	46.04	-7.96	54	41.55	47.69	13.52	56.72	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 484/65 CH 03 2422MHz		2389.8	56.63	-17.37	74	41.92	27.72	14.06	27.07	325	59	P	H
		2389.94	47.47	-6.53	54	32.76	27.72	14.06	27.07	325	59	A	H
	*	2422	-	-	74	93.13	27.66	14.09	27.05	325	59	P	H
	*	2422	-	-	54	83.96	27.66	14.09	27.05	325	59	A	H
		2497.66	55.93	-18.07	74	41.1	27.7	14.16	27.03	325	59	P	H
		2485.33	44.47	-9.53	54	29.68	27.67	14.15	27.03	325	59	A	H
		2389.66	62.75	-11.25	74	48.04	27.72	14.06	27.07	380	225	P	V
		2389.94	52.18	-1.82	54	37.47	27.72	14.06	27.07	380	225	A	V
	*	2422	-	-	74	96.98	27.66	14.09	27.05	380	225	P	V
	*	2422	-	-	54	86.77	27.66	14.09	27.05	380	225	A	V
		2493.7	55.67	-18.33	74	40.86	27.69	14.15	27.03	380	225	P	V
		2483.62	44.75	-9.25	54	29.97	27.67	14.15	27.04	380	225	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI Ant. 1+2	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 Partial 484/65 CH 11 2462MHz		2363.06	55.83	-18.17	74	41.09	27.77	14.04	27.07	311	61	P	H
		2312.1	44.46	-9.54	54	29.46	28.1	13.99	27.09	311	61	A	H
	*	2462	-	-	74	81.19	27.62	14.13	27.04	311	61	P	H
	*	2462	-	-	54	71.84	27.62	14.13	27.04	311	61	A	H
		2499.19	55.54	-18.46	74	40.71	27.7	14.16	27.03	311	61	P	H
		2483.53	44.97	-9.03	54	30.19	27.67	14.15	27.04	311	61	A	H
		2354.24	55.59	-18.41	74	40.85	27.79	14.03	27.08	373	211	P	V
		2313.36	44.46	-9.54	54	29.47	28.09	13.99	27.09	373	211	A	V
	*	2462	-	-	74	83.67	27.62	14.13	27.04	373	211	P	V
	*	2462	-	-	54	75.45	27.62	14.13	27.04	373	211	A	V
		2483.53	61.22	-12.78	74	46.44	27.67	14.15	27.04	373	211	P	V
		2483.53	47.3	-6.7	54	32.52	27.67	14.15	27.04	373	211	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 802.11ax HE40 Partial 484 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		4844	40.08	-33.92	74	58.8	31.49	6.81	57.02	-	-	P	H
		7266	45.7	-28.3	74	57.21	36.9	8.39	56.8	-	-	P	H
		10830	49.33	-24.67	74	54.6	40.76	9.97	56	-	-	P	H
		10830	38.21	-15.79	54	43.48	40.76	9.97	56	-	-	A	H
		14490	51.16	-22.84	74	53.61	41.86	11.77	56.08	-	-	P	H
		14490	40.14	-13.86	54	42.59	41.86	11.77	56.08	-	-	A	H
		18000	58.44	-15.56	74	53.11	48.5	13.55	56.72	-	-	P	H
		18000	46.78	-7.22	54	41.45	48.5	13.55	56.72	-	-	A	H
													H
802.11ax													H
HE40													H
Partial													H
484/65		4844	40.25	-33.75	74	58.97	31.49	6.81	57.02	-	-	P	V
CH 03		7266	45.65	-28.35	74	57.16	36.9	8.39	56.8	-	-	P	V
2422MHz		11145	49.35	-24.65	74	54.97	40.02	10.13	55.77	-	-	P	V
		11145	37.19	-16.81	54	42.81	40.02	10.13	55.77	-	-	A	V
		14490	51.35	-22.65	74	53.8	41.86	11.77	56.08	-	-	P	V
		14490	40.12	-13.88	54	42.57	41.86	11.77	56.08	-	-	A	V
		18000	58.64	-15.36	74	53.31	48.5	13.55	56.72	-	-	P	V
		18000	46.76	-7.24	54	41.43	48.5	13.55	56.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		4924	40.05	-33.95	74	58.54	31.54	6.85	56.88	-	-	P	H
		7386	45.92	-28.08	74	57.35	37.07	8.55	57.05	-	-	P	H
		11010	49.37	-24.63	74	54.43	40.65	10.06	55.77	-	-	P	H
		11010	38.17	-15.83	54	43.23	40.65	10.06	55.77	-	-	A	H
		14475	50.91	-23.09	74	53.46	41.8	11.76	56.11	-	-	P	H
		14475	40	-14	54	42.55	41.8	11.76	56.11	-	-	A	H
		18000	58.03	-15.97	74	52.7	48.5	13.55	56.72	-	-	P	H
		18000	46.82	-7.18	54	41.49	48.5	13.55	56.72	-	-	A	H
													H
802.11ax													H
HE40													H
Partial													H
484/65		4924	39.86	-34.14	74	58.35	31.54	6.85	56.88	-	-	P	V
CH 11		7386	45.58	-28.42	74	57.01	37.07	8.55	57.05	-	-	P	V
2462MHz		11010	49.46	-24.54	74	54.52	40.65	10.06	55.77	-	-	P	V
		11010	38.2	-15.8	54	43.26	40.65	10.06	55.77	-	-	A	V
		14490	51.47	-22.53	74	53.92	41.86	11.77	56.08	-	-	P	V
		14490	40.11	-13.89	54	42.56	41.86	11.77	56.08	-	-	A	V
		17985	57.21	-16.79	74	52.29	48.1	13.54	56.72	-	-	P	V
		17985	46.38	-7.62	54	41.46	48.1	13.54	56.72	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Emission above 18GHz

2.4GHz WIFI 802.11b (SHF)

WIFI Ant. 1+2	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 802.11b SHF		23481	41.37	-32.63	74	58.93	38.81	-2.36	54.01	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		24020	41.22	-32.78	74	58.34	38.81	-2.15	53.78	-	-	P	V
													V
													V
													V
													V
													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.												

Emission below 1GHz

2.4GHz WIFI 802.11b (LF)

WIFI Ant. 1+2	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 802.11b LF		30.97	21.47	-18.53	40	29.25	23.85	0.72	32.35	-	-	P	H
		127.97	16.81	-26.69	43.5	30.35	17.62	1.14	32.3	-	-	P	H
		343.31	25.74	-20.26	46	36.11	20.08	1.7	32.15	-	-	P	H
		570.29	26.36	-19.64	46	30.64	25.84	2.13	32.25	-	-	P	H
		959.26	31.96	-14.04	46	29.62	30.79	2.58	31.03	-	-	P	H
		976.72	32.33	-21.67	54	29.87	30.72	2.61	30.87	-	-	P	H
													H
													H
													H
													H
													H
													H
		32.91	21.32	-18.68	40	30	22.95	0.73	32.36	-	-	P	V
		120.21	23.83	-19.67	43.5	37.5	17.5	1.13	32.3	-	-	P	V
		343.31	26.83	-19.17	46	37.2	20.08	1.7	32.15	-	-	P	V
		740.04	28.48	-17.52	46	30.89	27.43	2.32	32.16	-	-	P	V
		952.47	32.31	-13.69	46	30.42	30.43	2.56	31.1	-	-	P	V
		973.81	32.35	-21.65	54	29.83	30.82	2.6	30.9	-	-	P	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 and emission level has at least 6dB margin against limit or emission is noise floor only.

Note symbol

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

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		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 :	Yuan Lee, Jacky Hong and Peter Liao	**Temperature :**	20~25°C
		Relative Humidity :	58~68%

Remark: For Radiated Spurious Emission Test Items, Ant. 1 means Chain 1 (Aux.) and Ant. 2 means Chain 2 (Main).

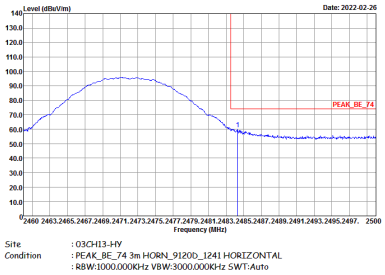
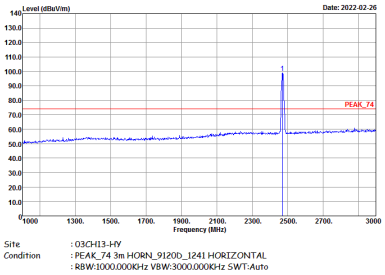
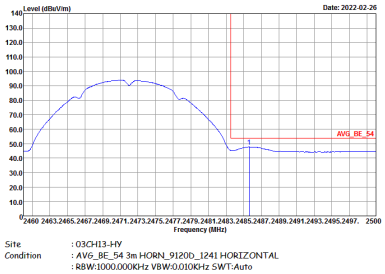
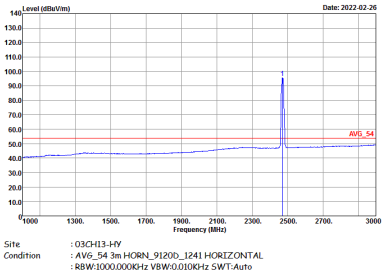
Note symbol

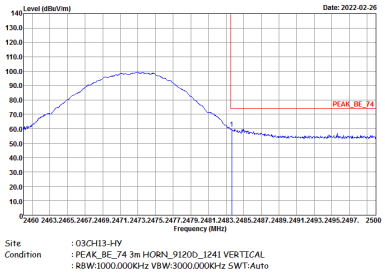
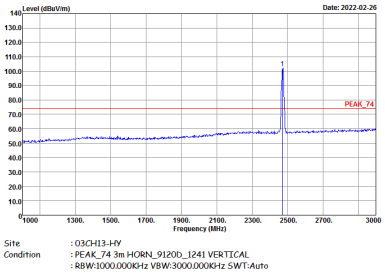
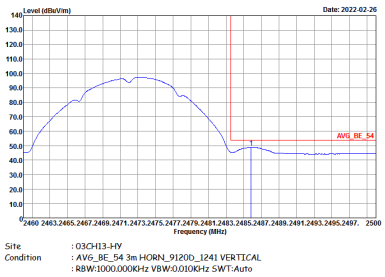
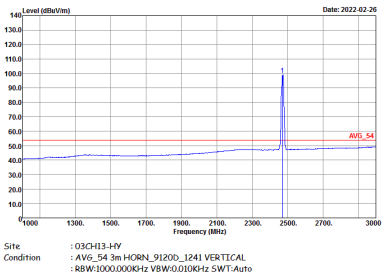
-L	**Low channel location**
-R	**High channel location**

<Sample 1>

2.4GHz 2400~2483.5MHz

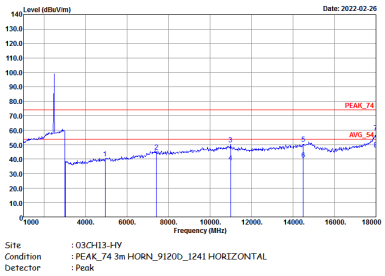
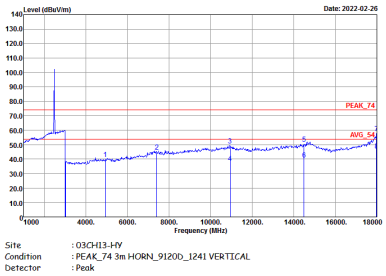
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

2.4GHz 2400~2483.5MHz

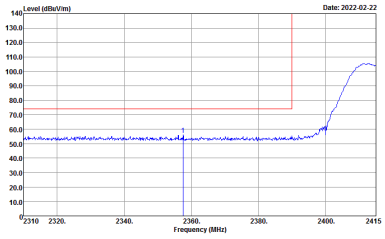
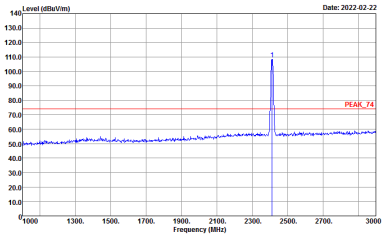
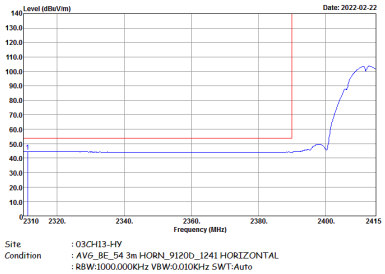
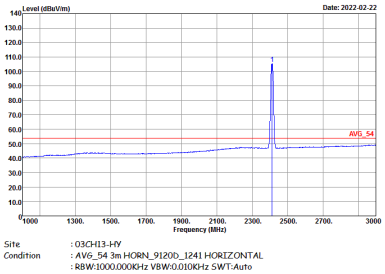
WIFI 802.11b (Harmonic @ 3m)

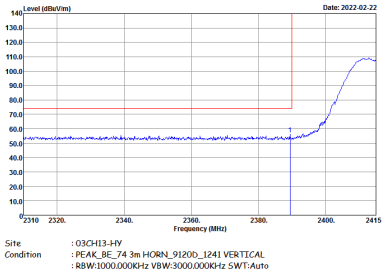
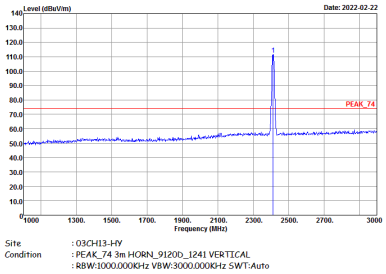
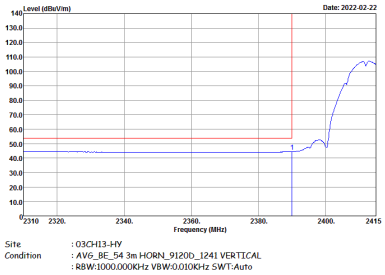
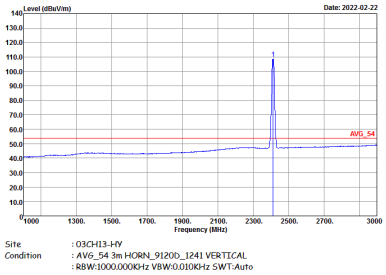
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH13 2472MHz	
1+2	Horizontal	Vertical
Peak Avg.		

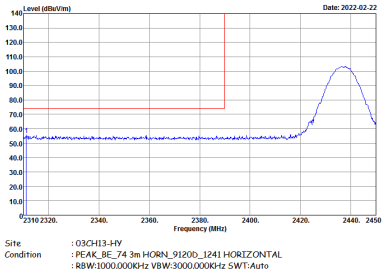
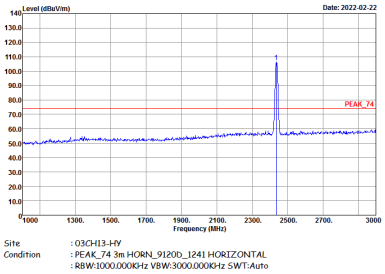
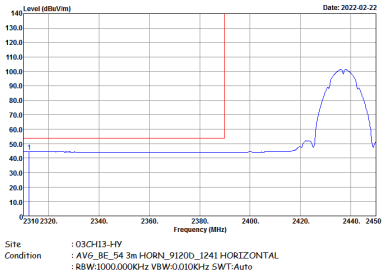
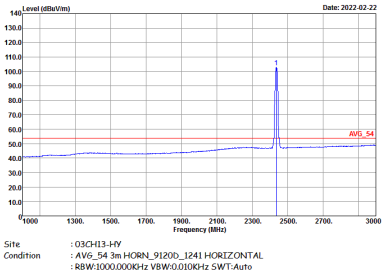
<Sample 2>

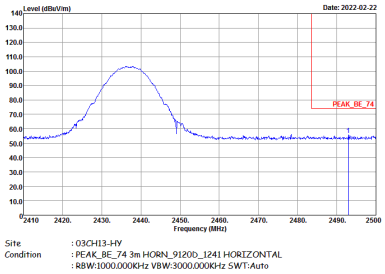
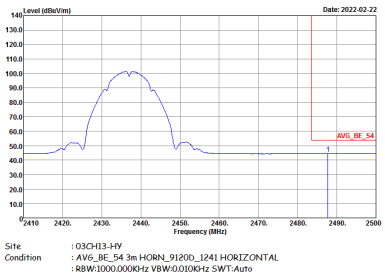
2.4GHz 2400~2483.5MHz

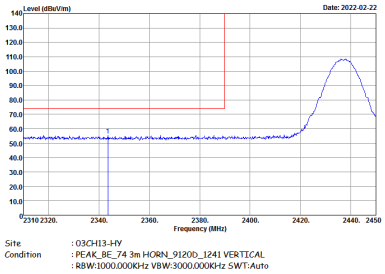
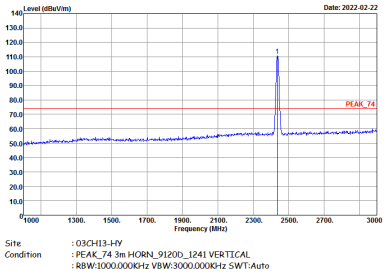
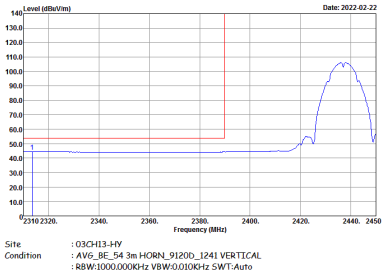
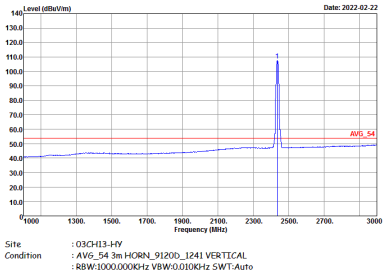
WIFI 802.11b (Band Edge @ 3m)

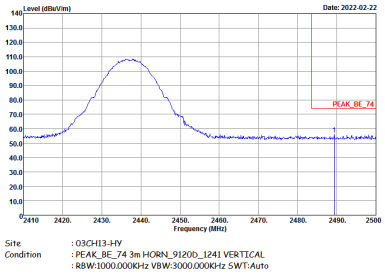
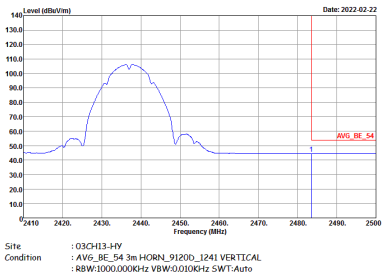
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

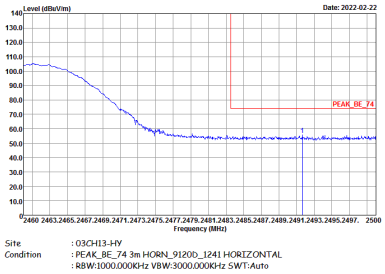
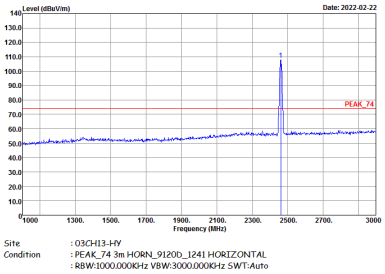
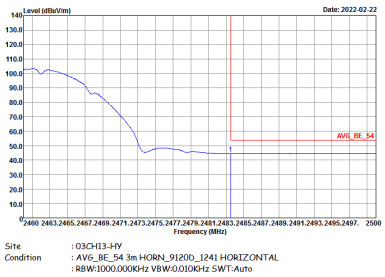
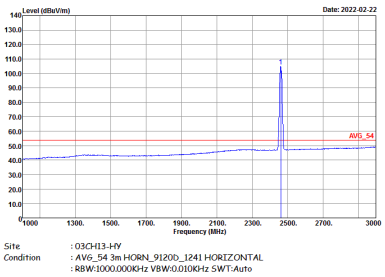
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

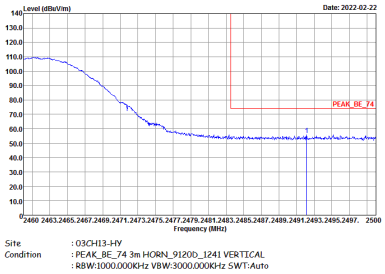
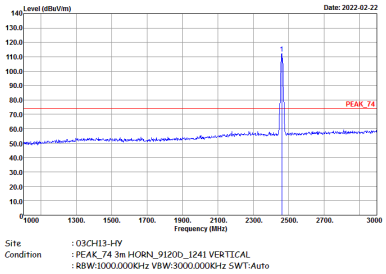
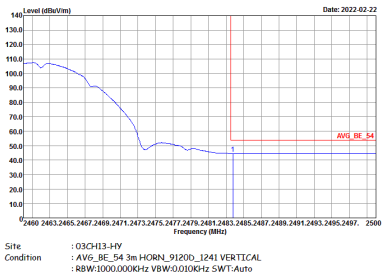
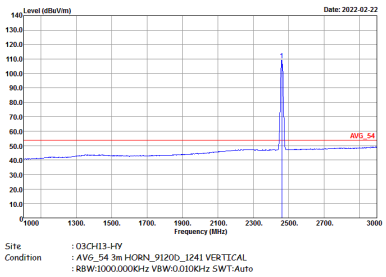
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

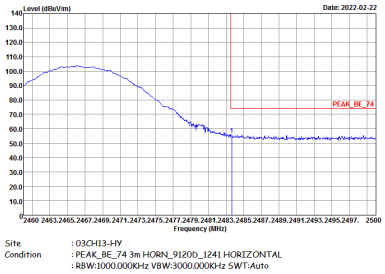
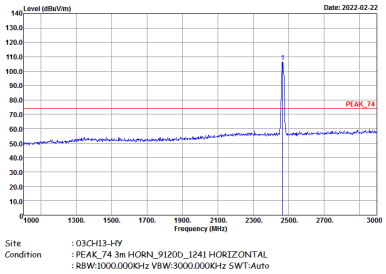
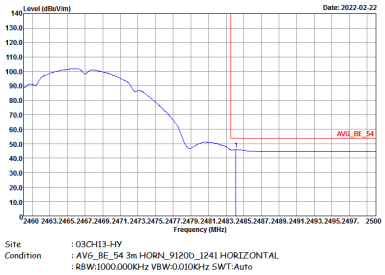
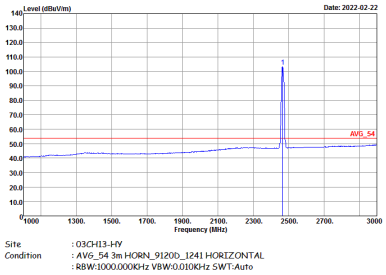
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

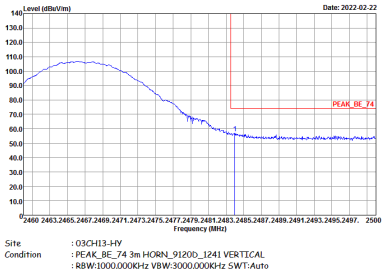
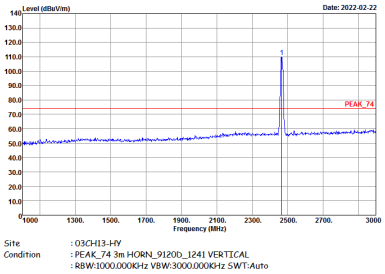
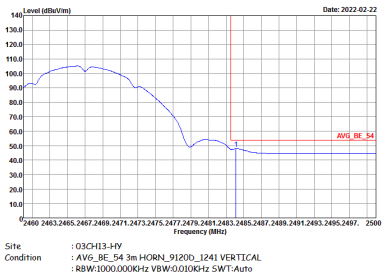
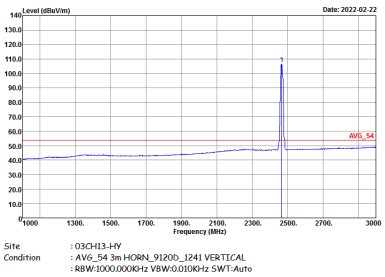
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

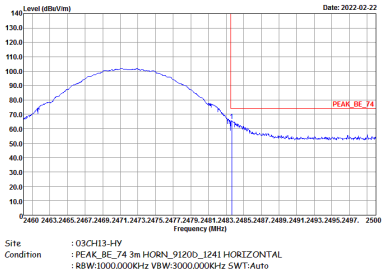
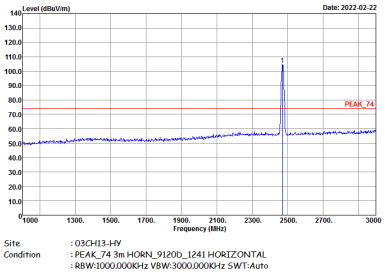
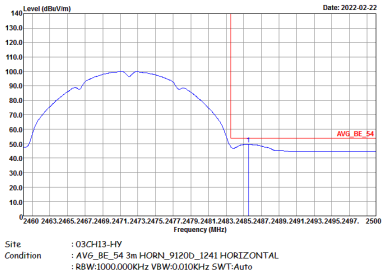
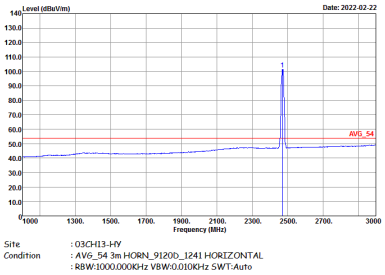
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

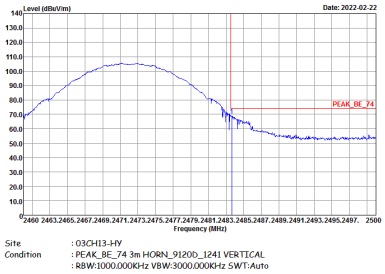
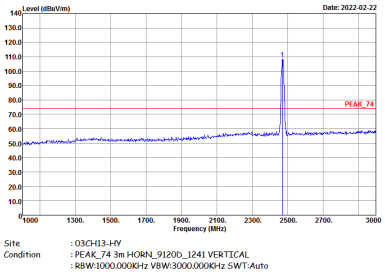
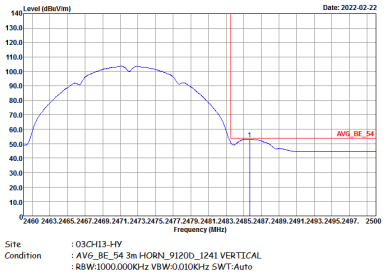
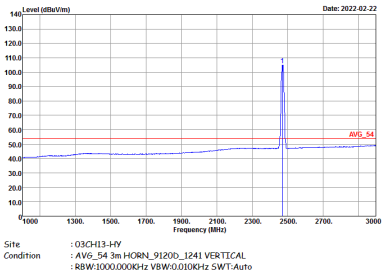
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

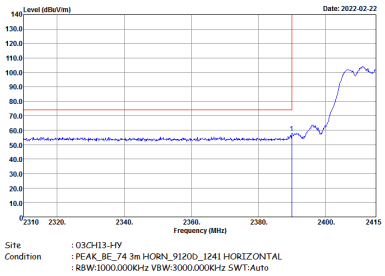
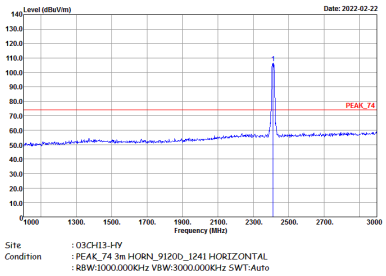
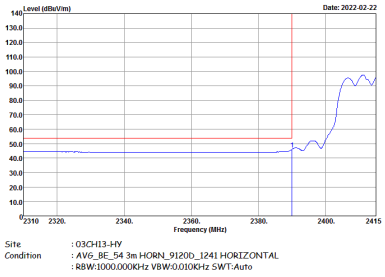
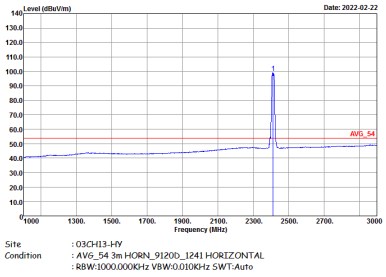
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

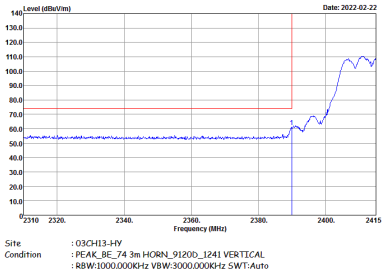
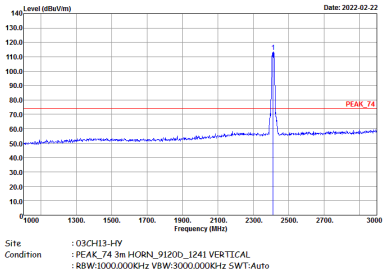
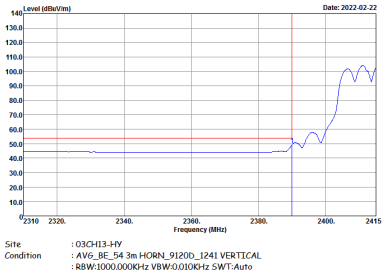
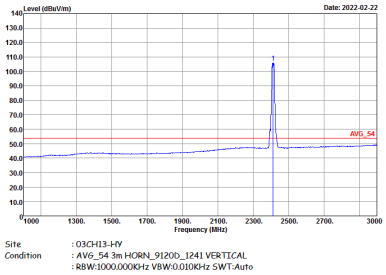
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

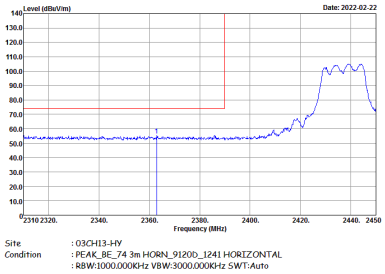
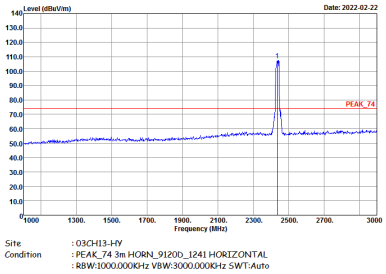
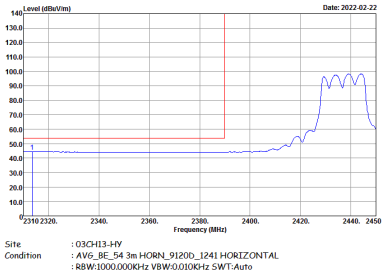
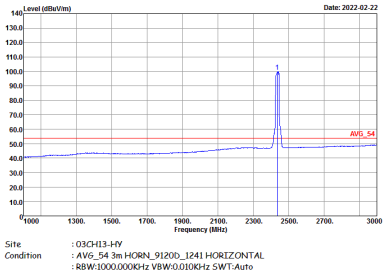
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

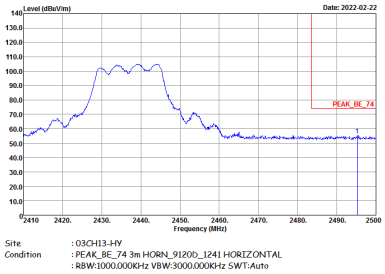
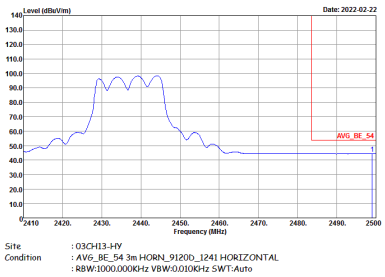
2.4GHz 2400~2483.5MHz

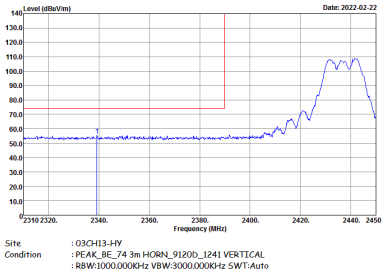
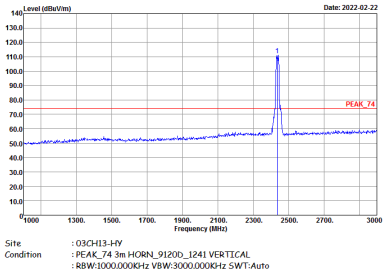
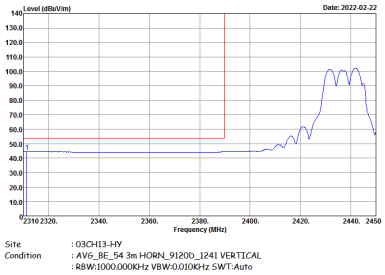
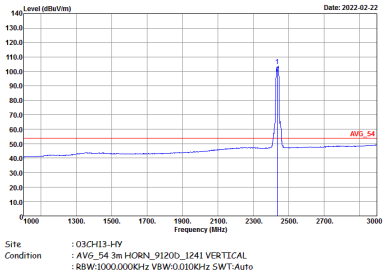
WIFI 802.11g (Band Edge @ 3m)

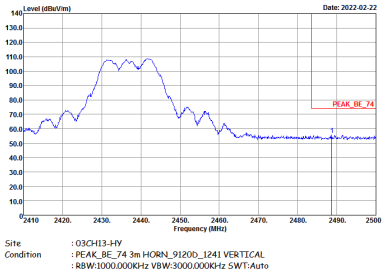
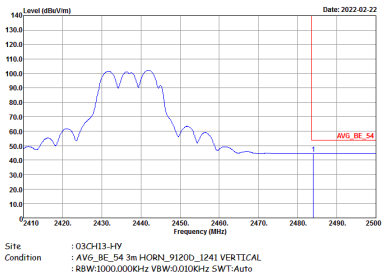
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

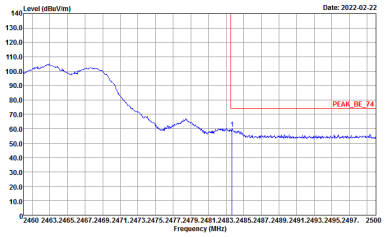
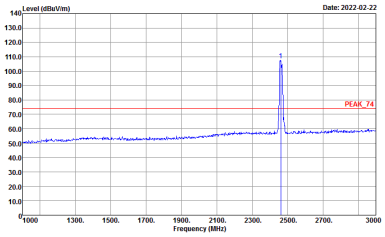
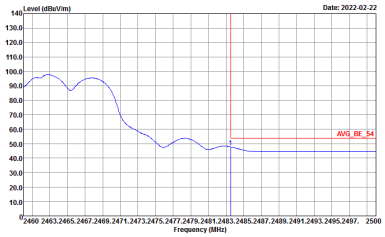
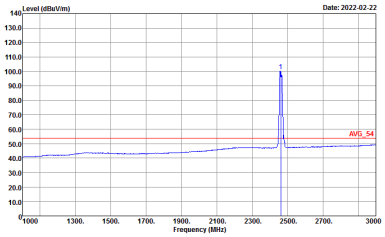
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

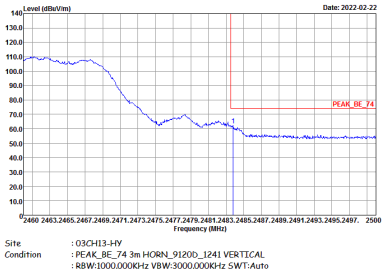
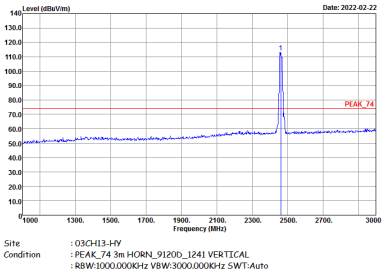
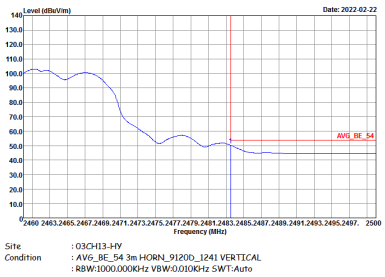
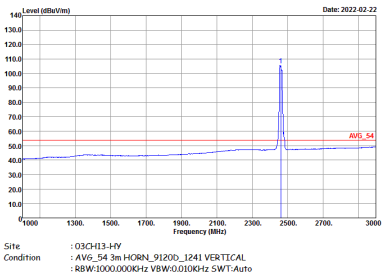
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

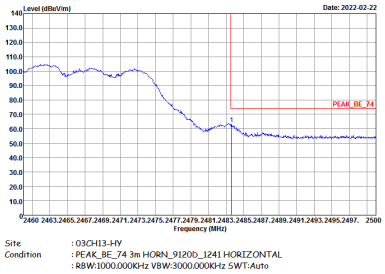
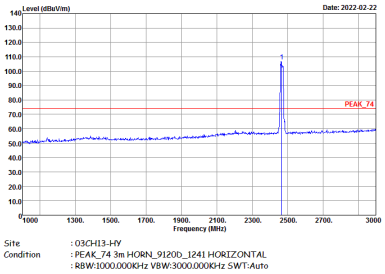
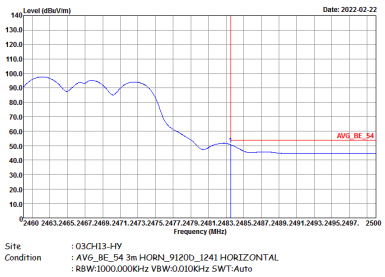
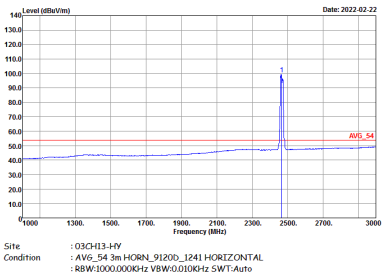
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

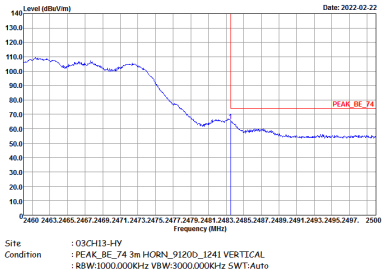
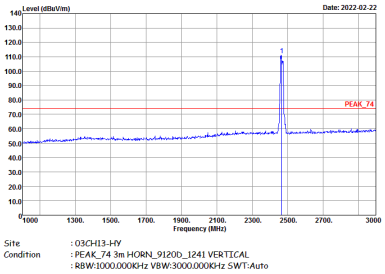
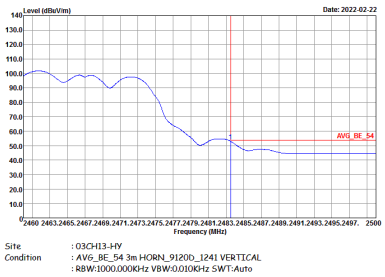
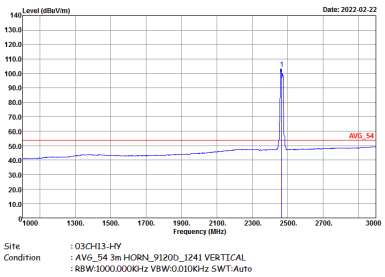
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

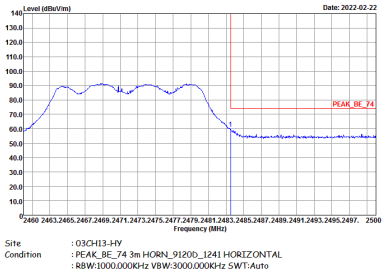
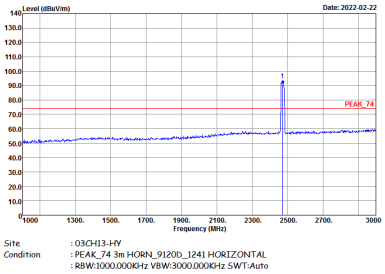
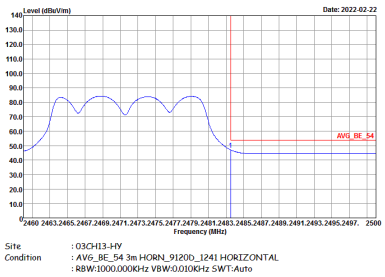
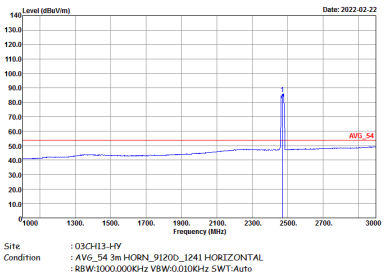
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1+2	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

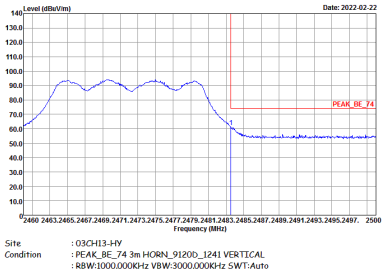
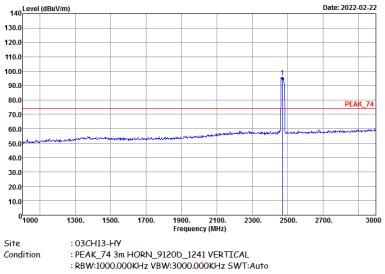
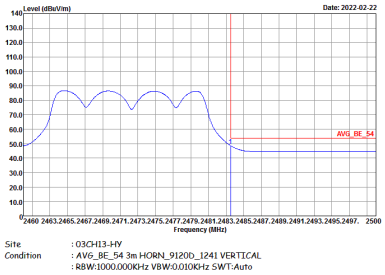
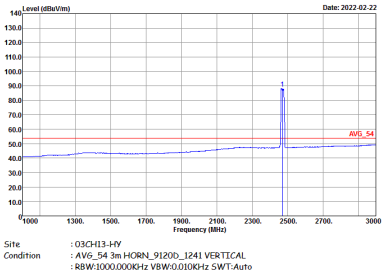
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

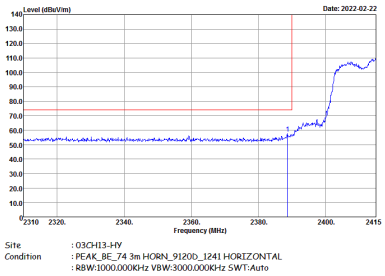
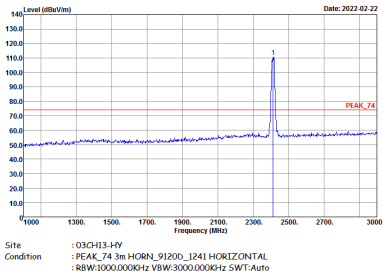
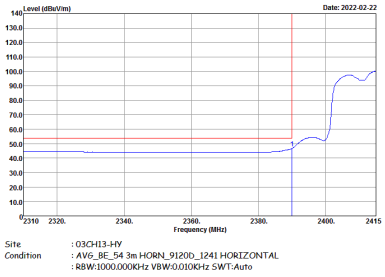
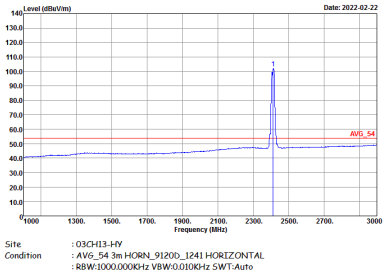
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

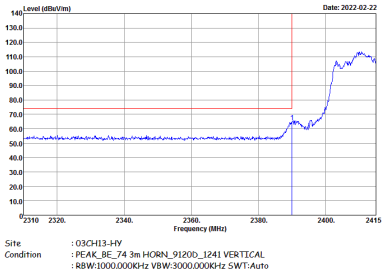
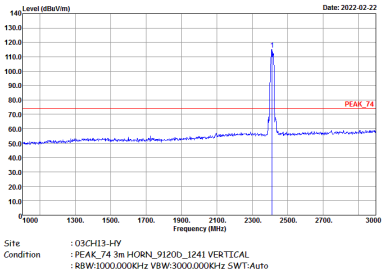
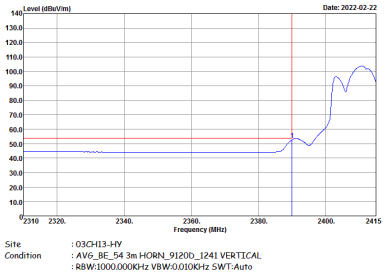
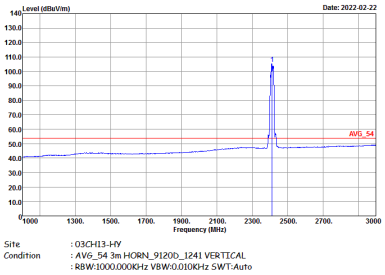
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

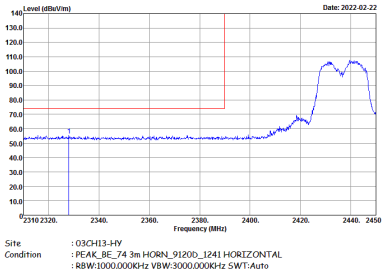
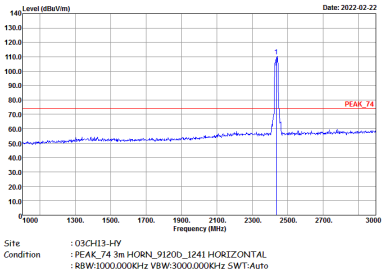
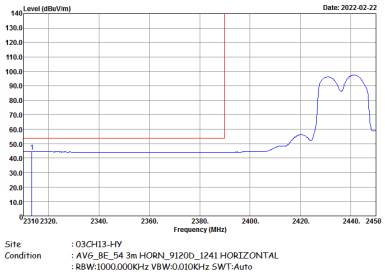
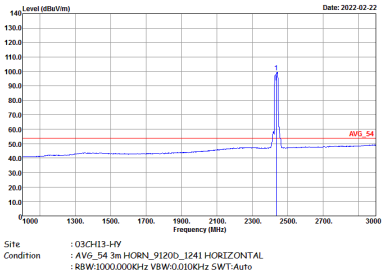
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

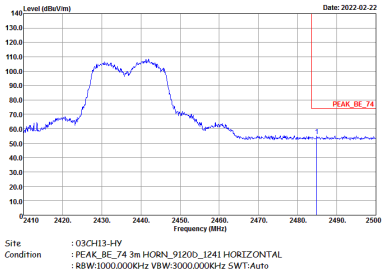
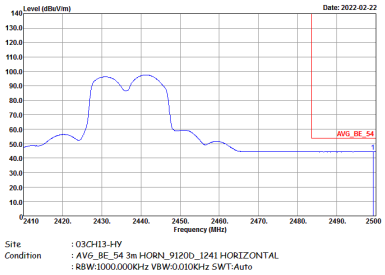
2.4GHz 2400~2483.5MHz

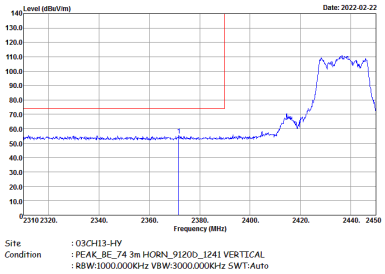
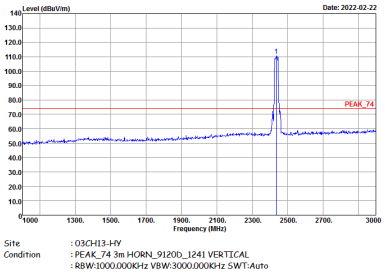
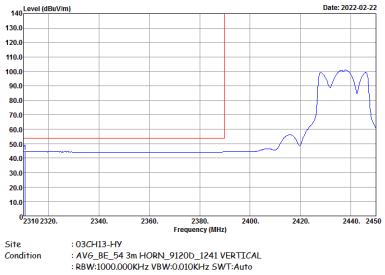
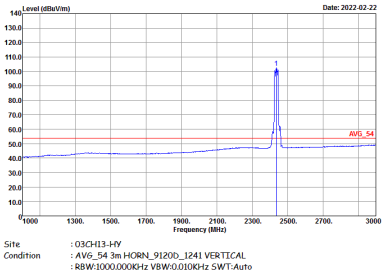
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

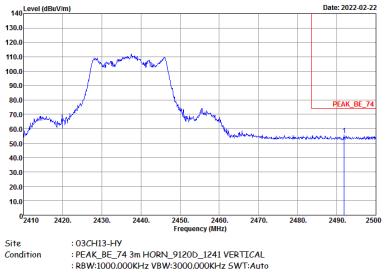
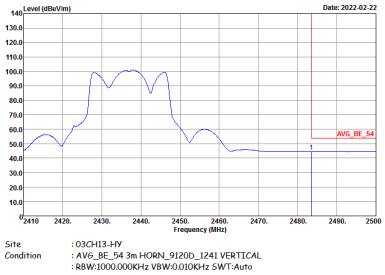
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

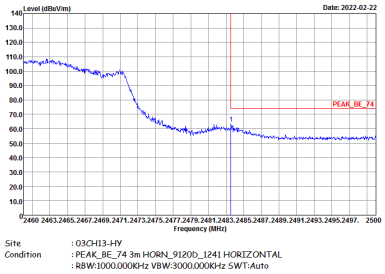
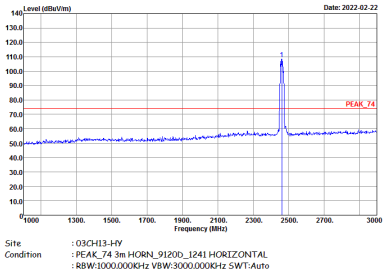
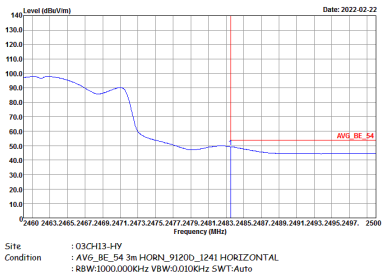
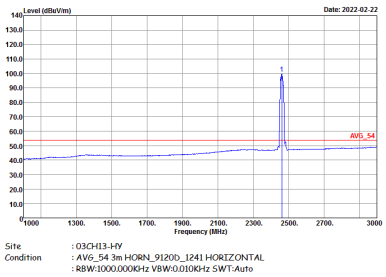
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

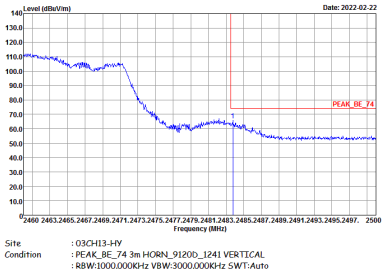
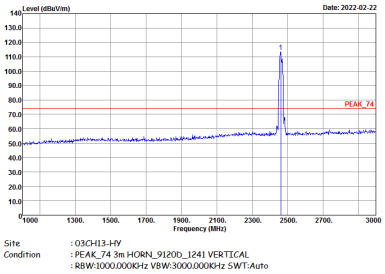
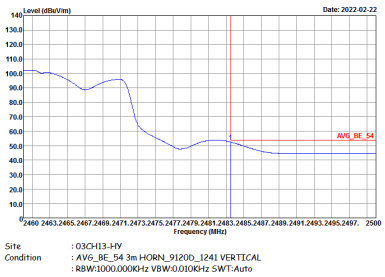
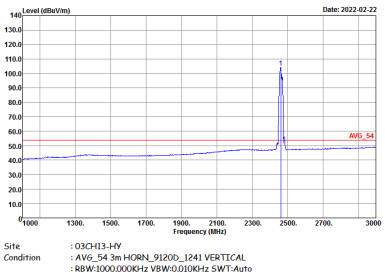
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

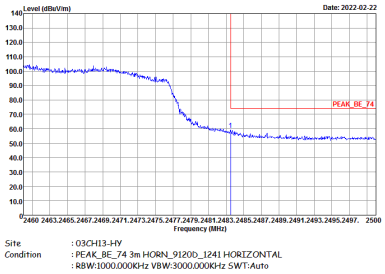
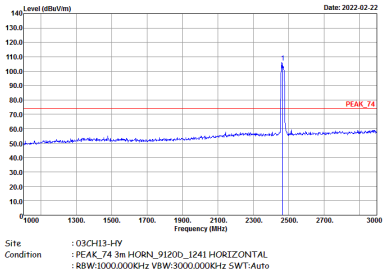
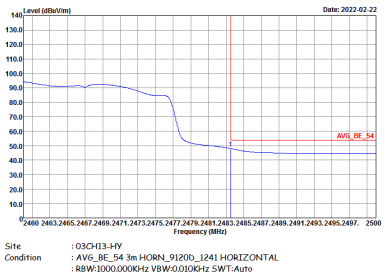
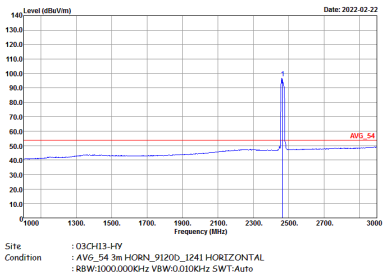
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

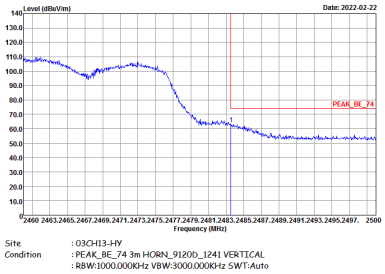
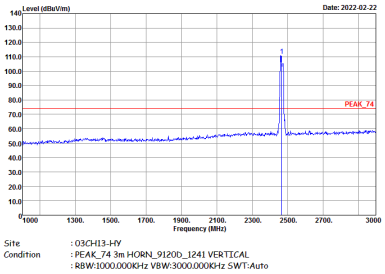
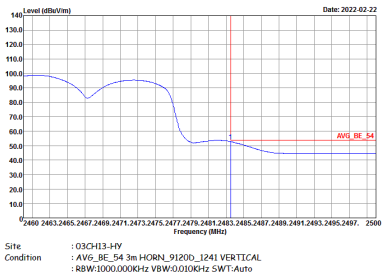
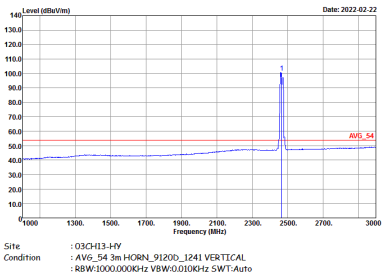
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

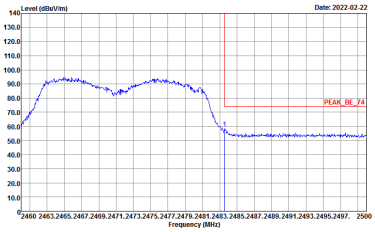
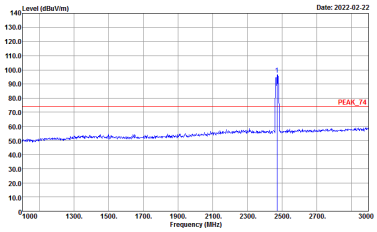
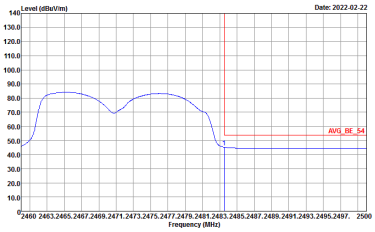
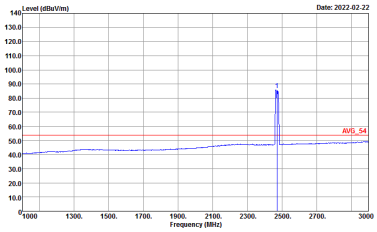
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

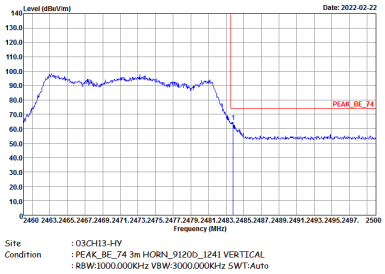
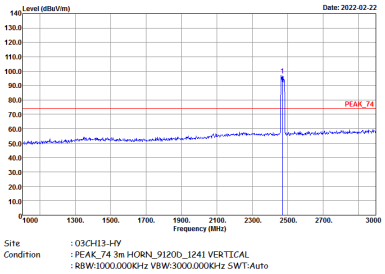
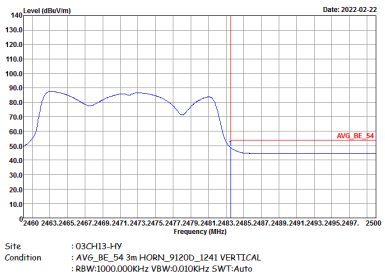
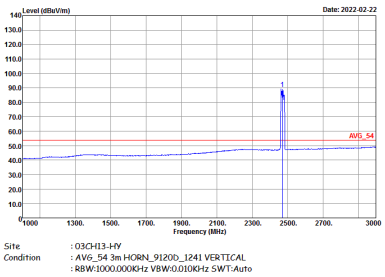
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH12 2467MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

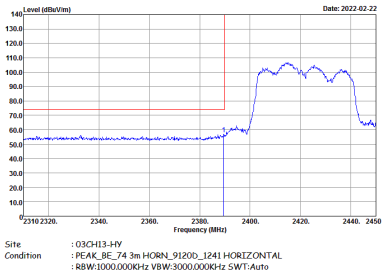
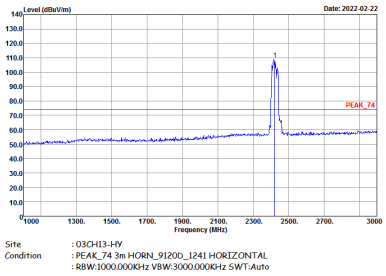
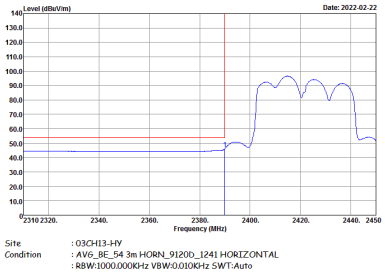
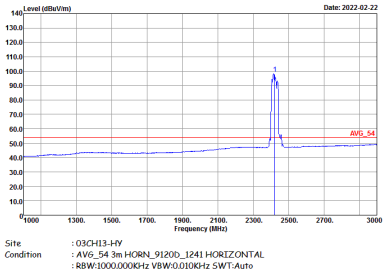
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH12 2467MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

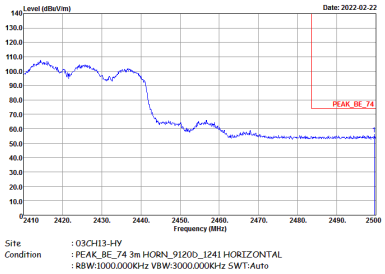
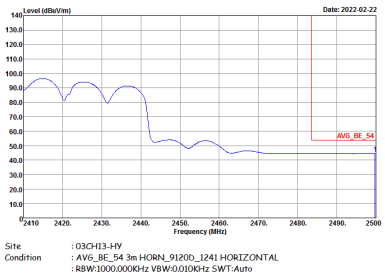
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH13 2472MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

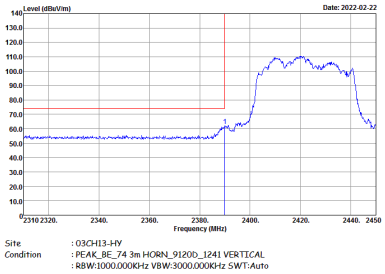
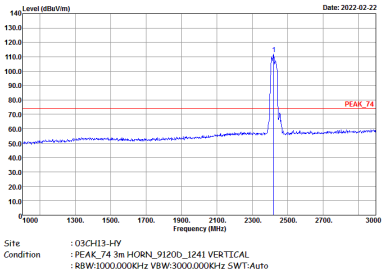
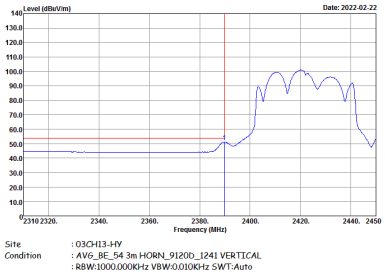
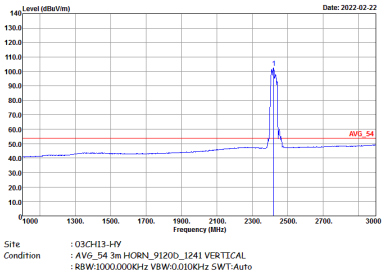
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH13 2472MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

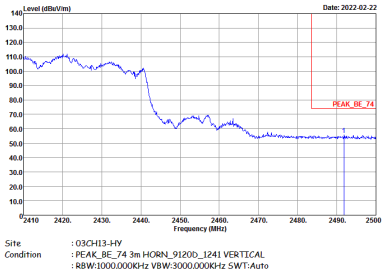
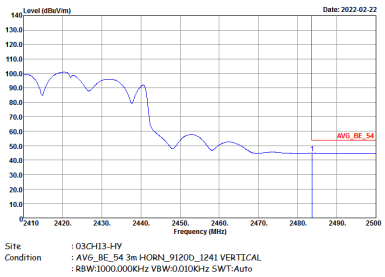
2.4GHz 2400~2483.5MHz

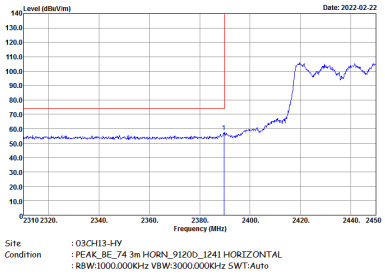
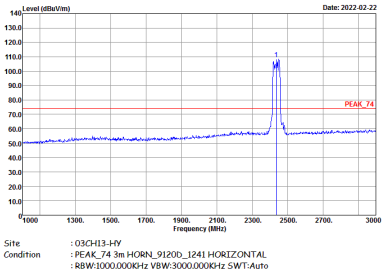
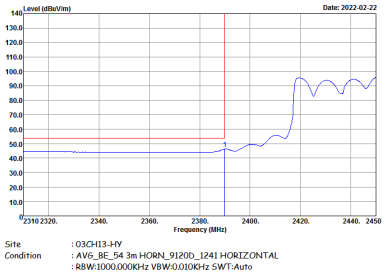
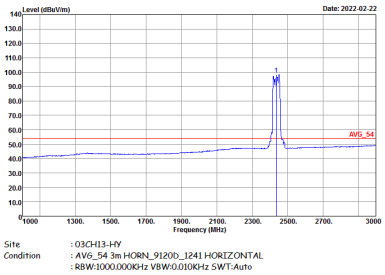
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

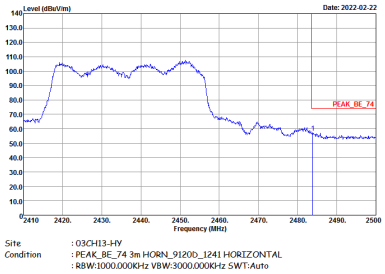
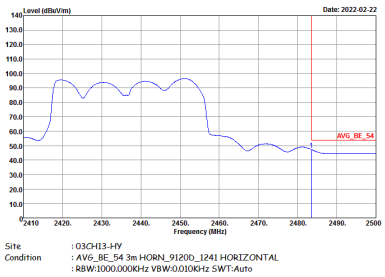
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

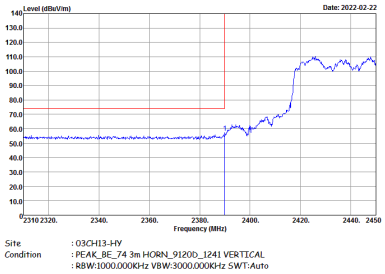
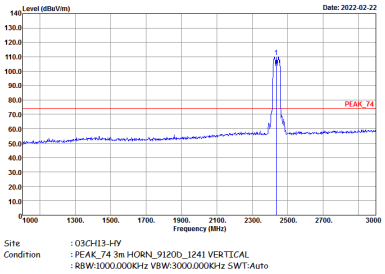
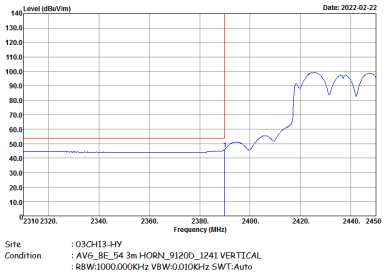
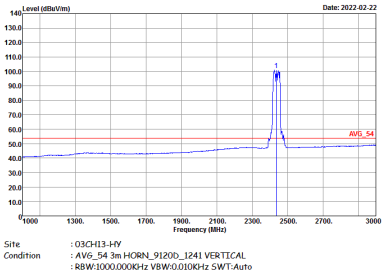
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

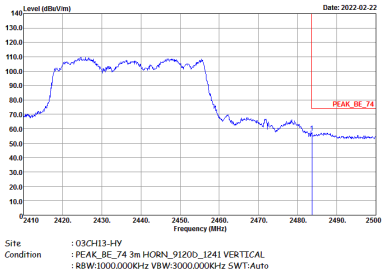
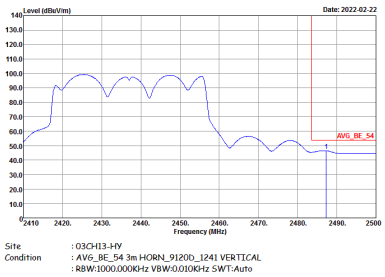
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

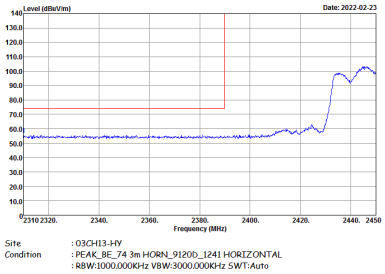
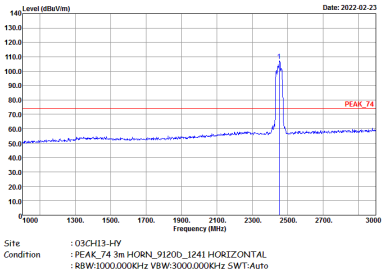
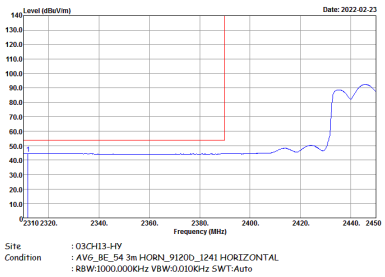
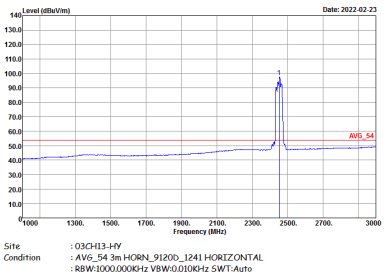
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

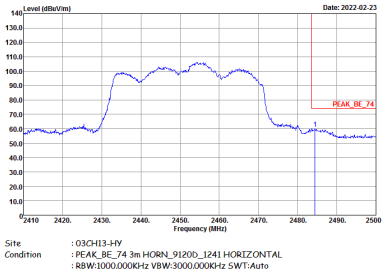
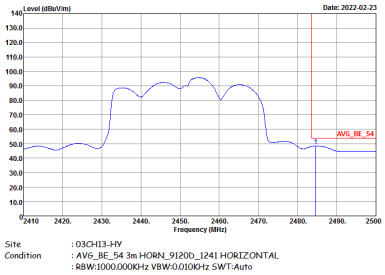
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

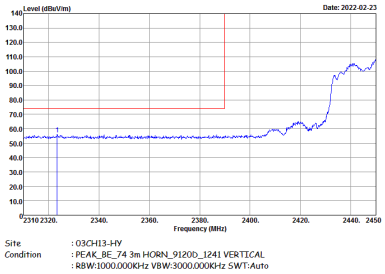
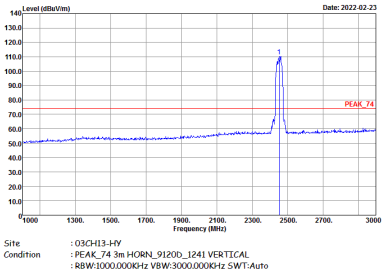
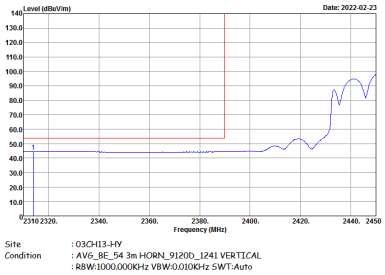
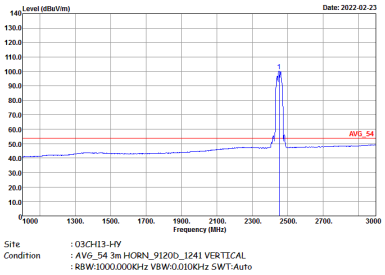
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

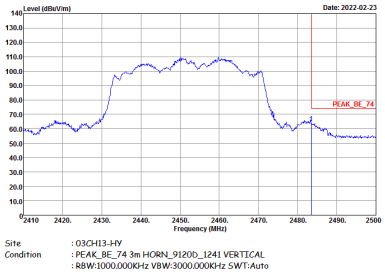
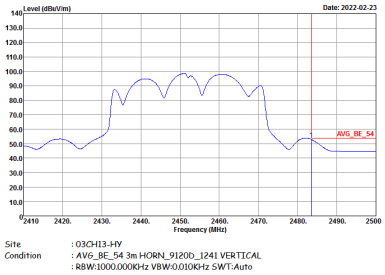
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

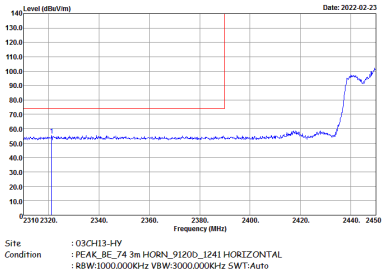
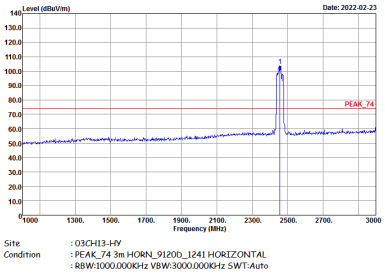
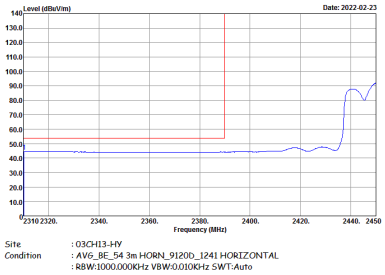
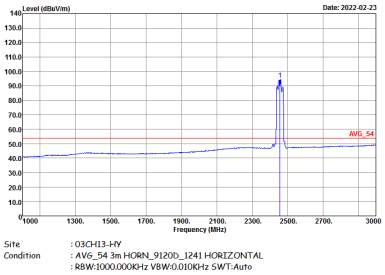
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

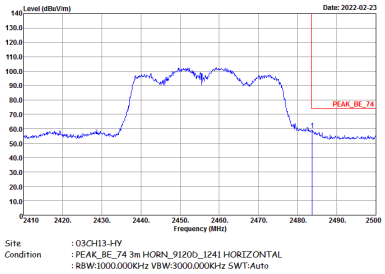
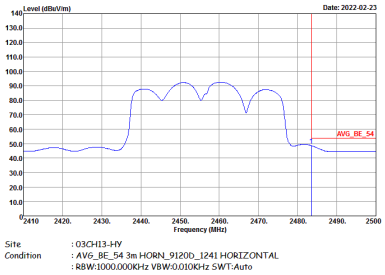
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

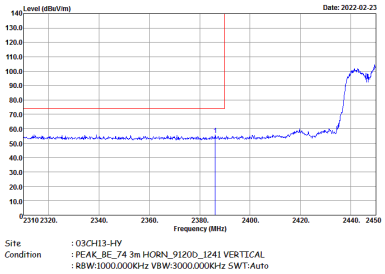
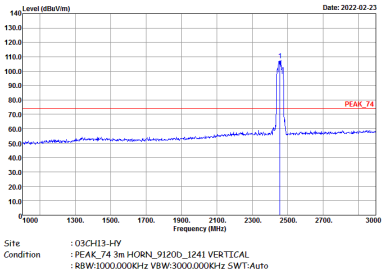
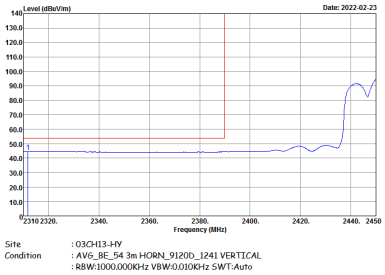
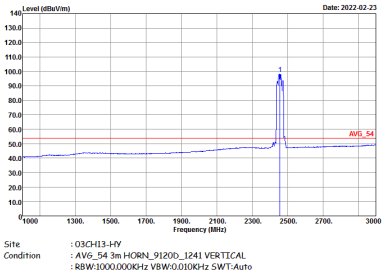
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

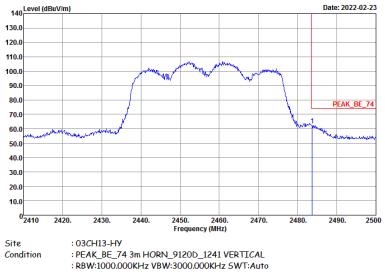
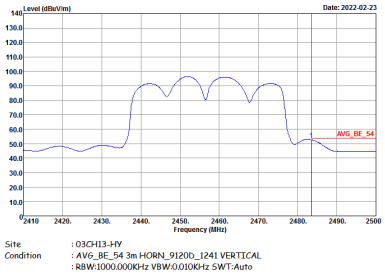
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

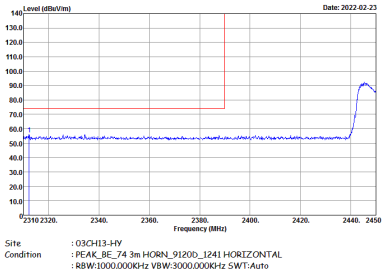
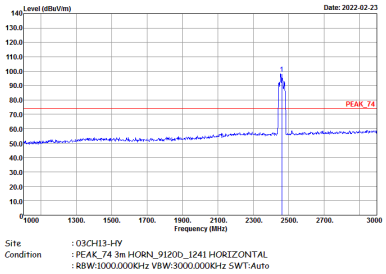
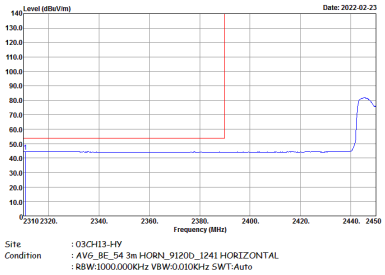
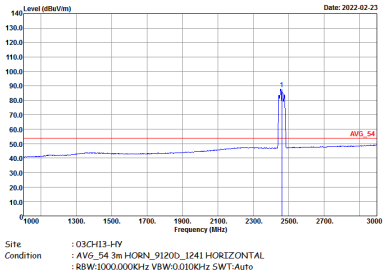
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

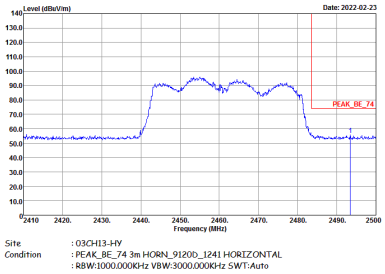
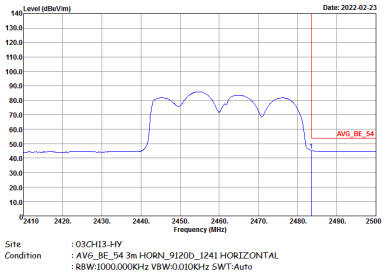
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH10 2457MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

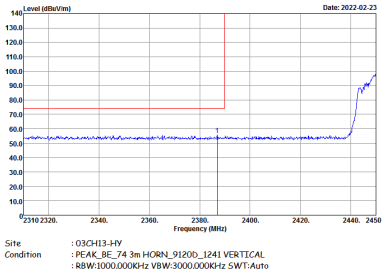
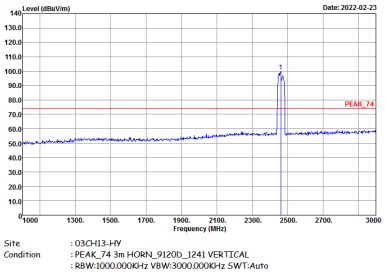
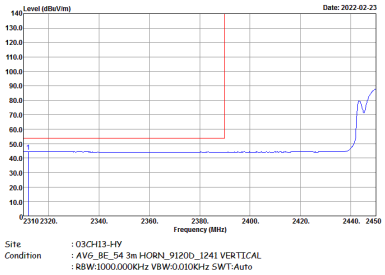
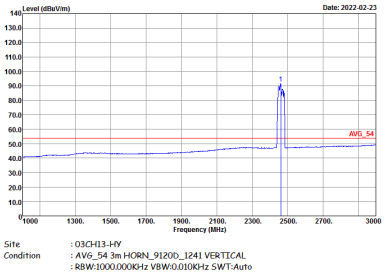
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH10 2457MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

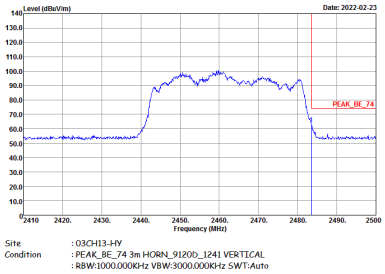
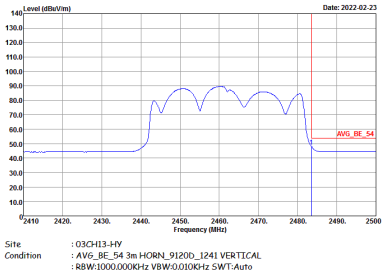
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH10 2457MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH10 2457MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH11 2462MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

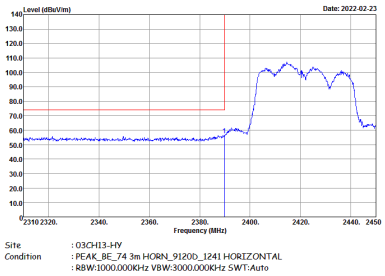
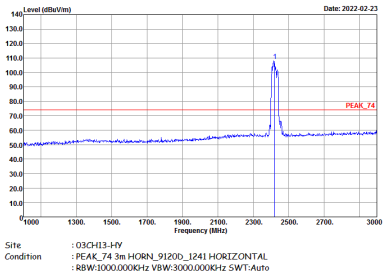
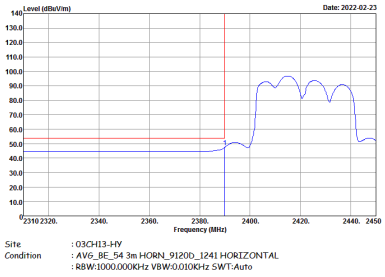
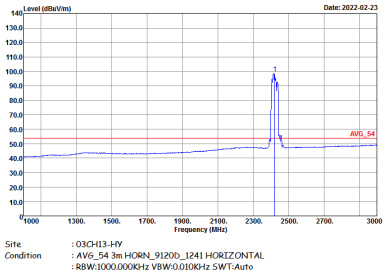
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH11 2462MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

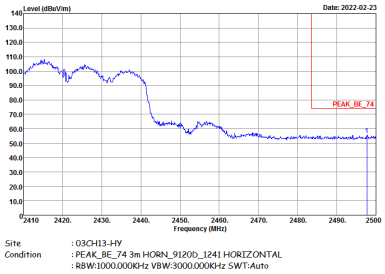
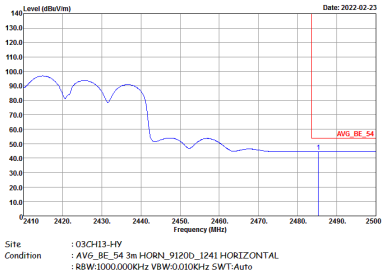
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH11 2462MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

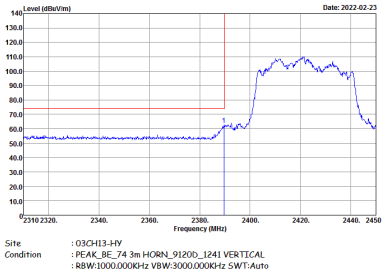
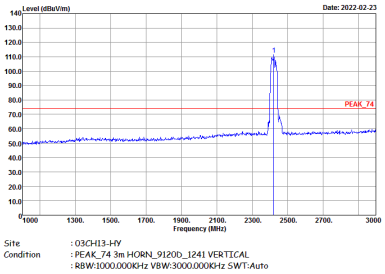
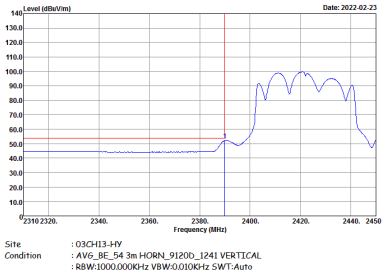
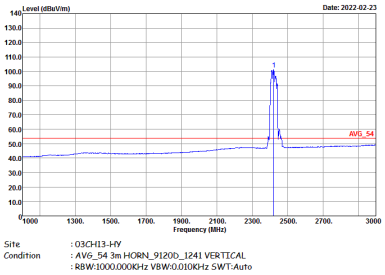
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH11 2462MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

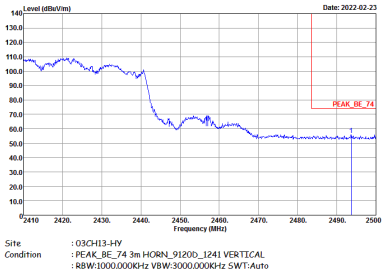
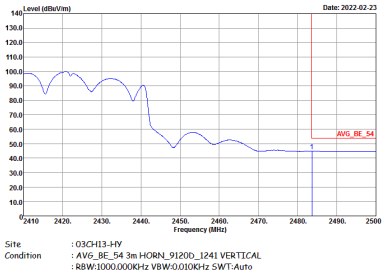
2.4GHz 2400~2483.5MHz

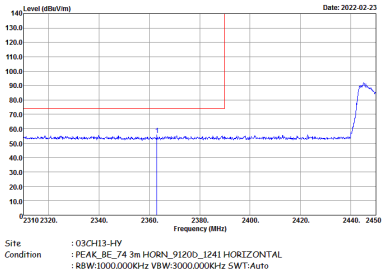
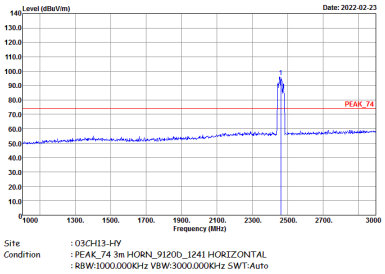
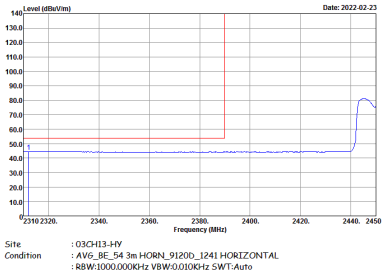
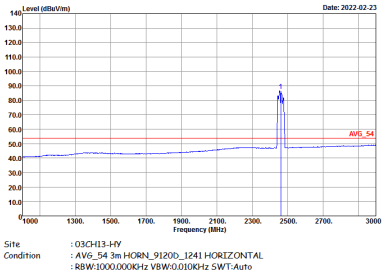
WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)

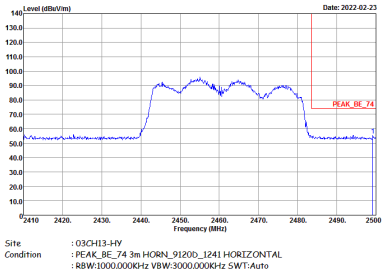
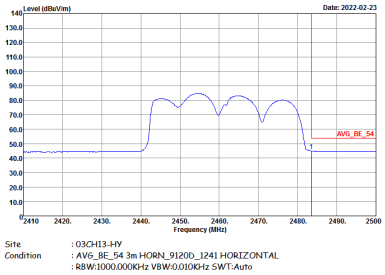
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH03 2422MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

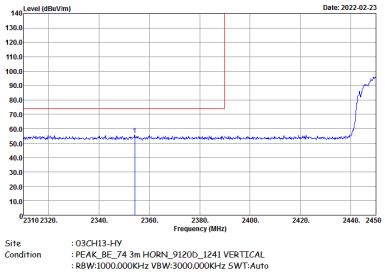
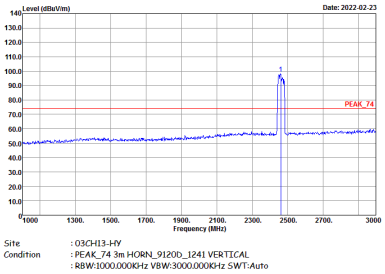
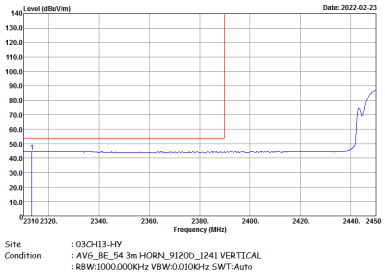
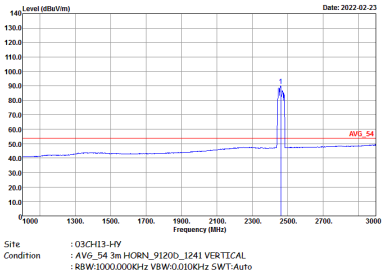
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH03 2422MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

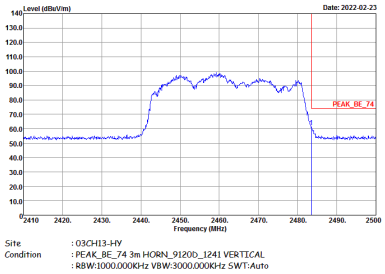
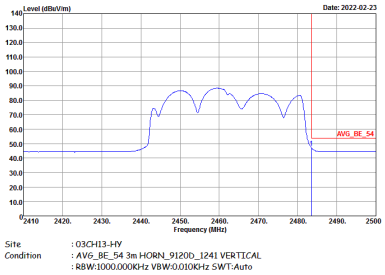
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH03 2422MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH03 2422MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

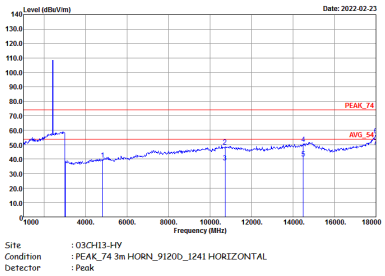
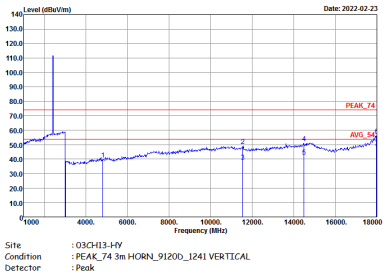
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH11 2462MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH11 2462MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH11 2462MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH11 2462MHz - R	
1+2	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	
1+2	Horizontal	Vertical
Peak Avg.