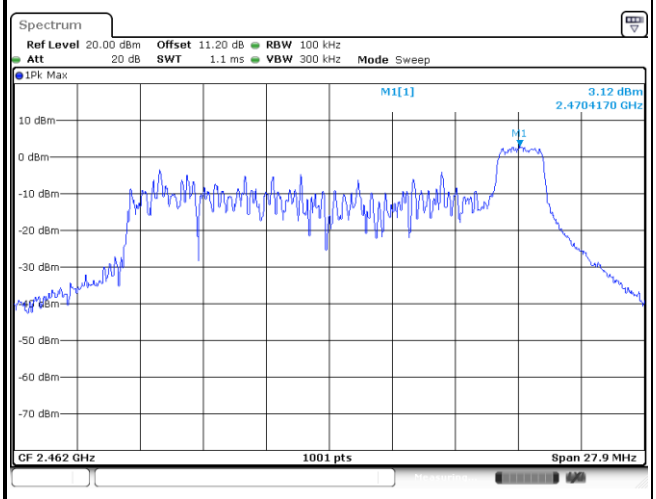
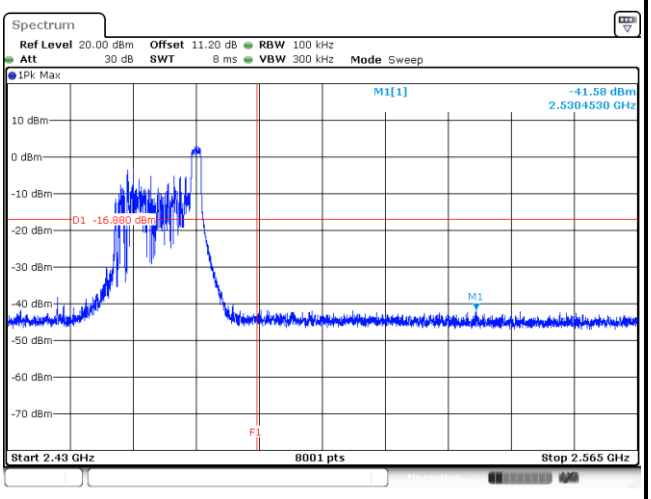
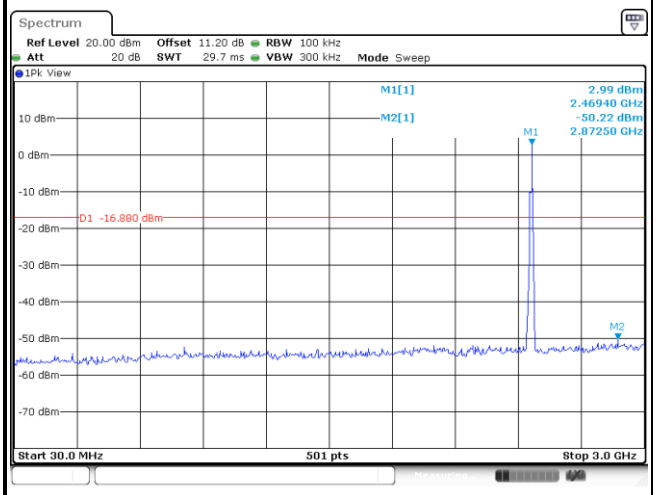
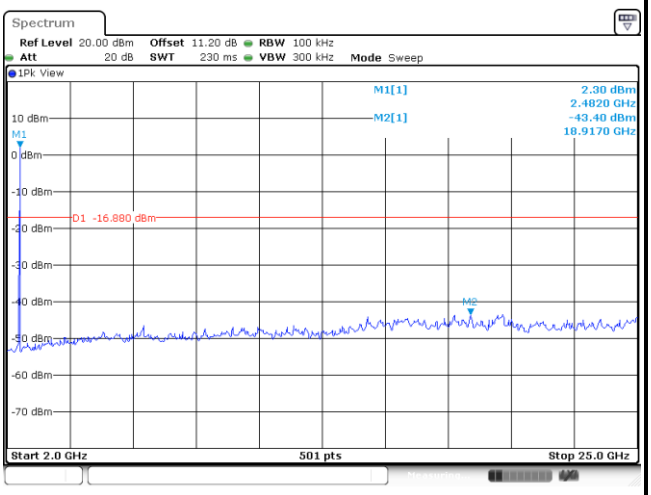
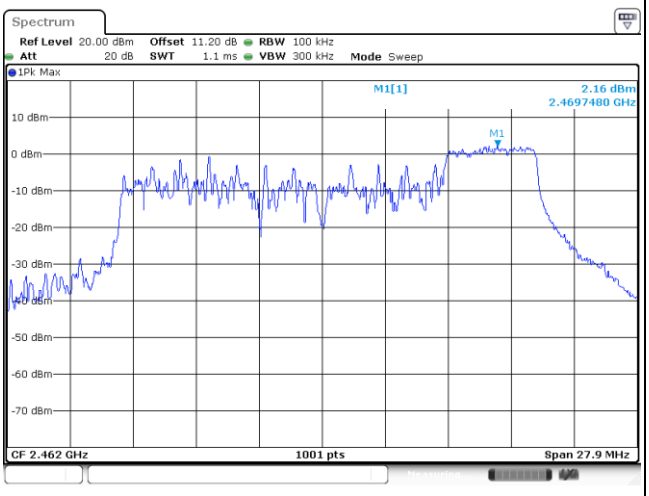
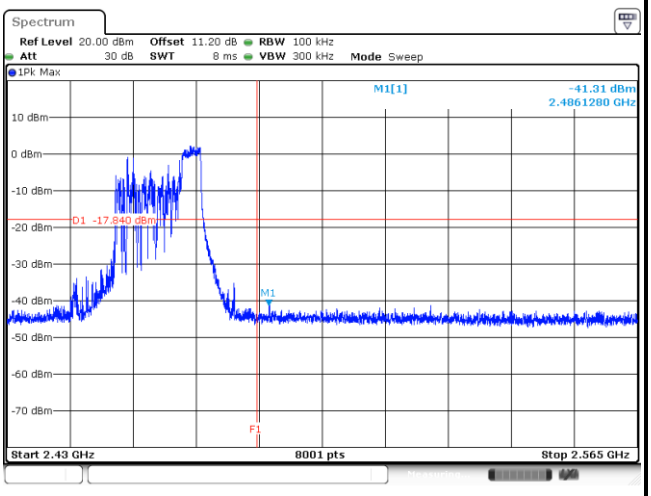
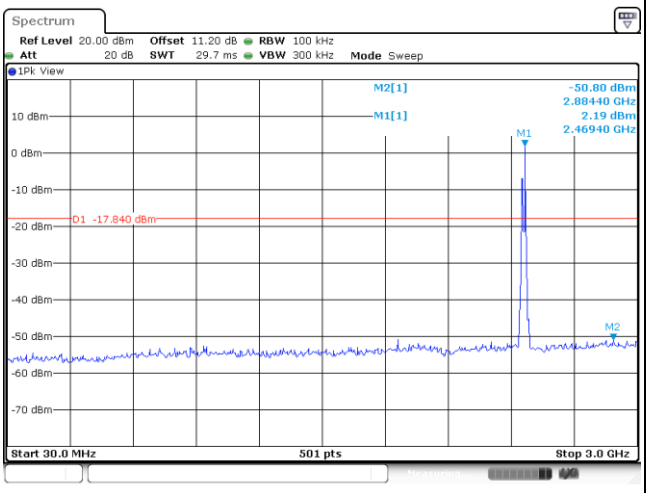
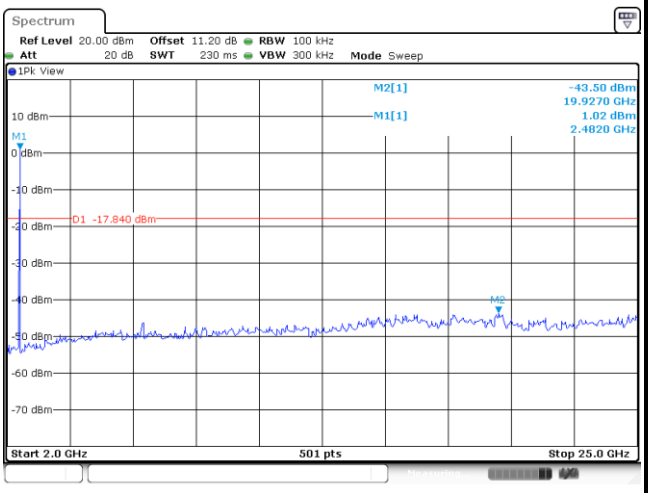
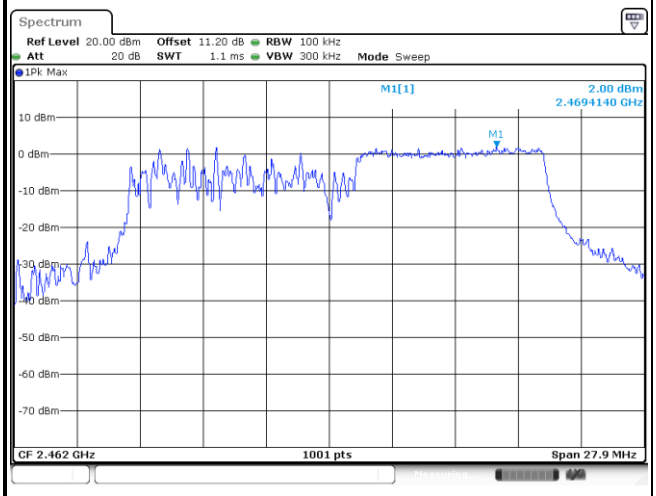
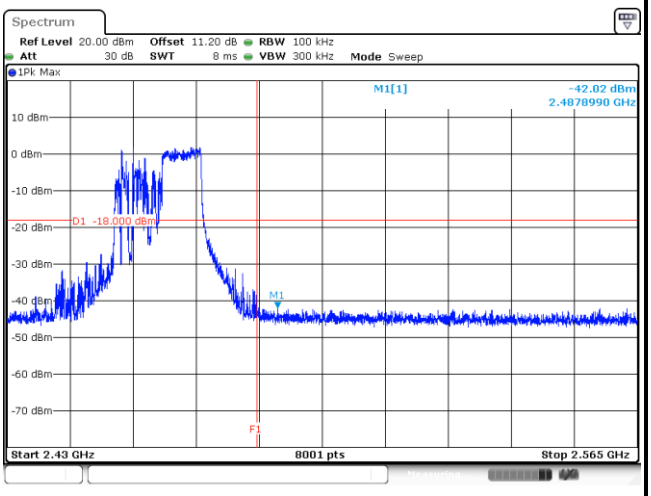
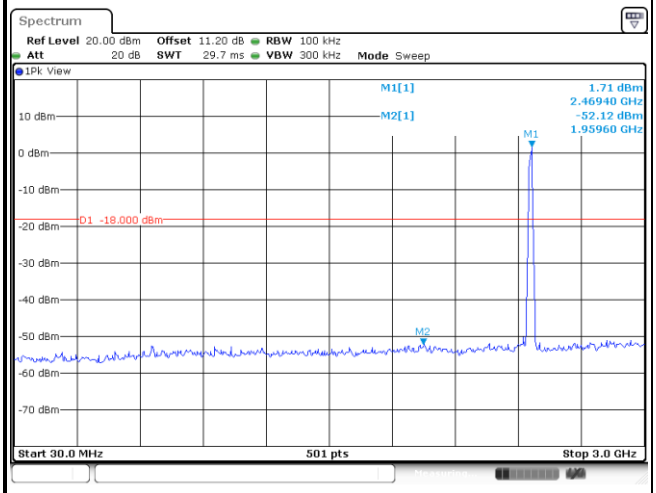
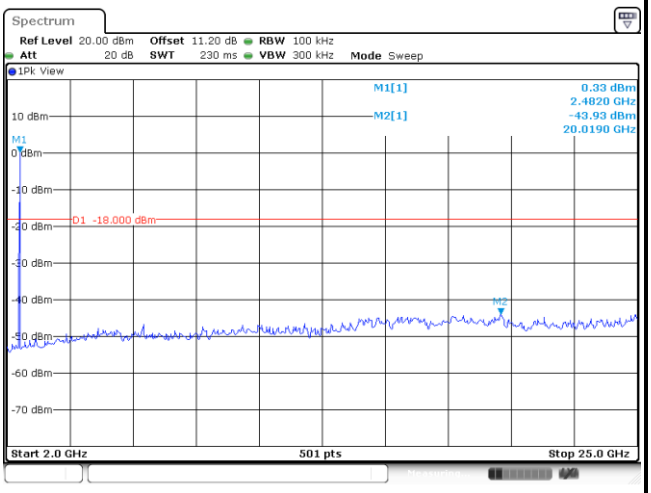
Test Mode :	802.11ax HE20 _Partial RU 26/8	Test Channel :	11

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

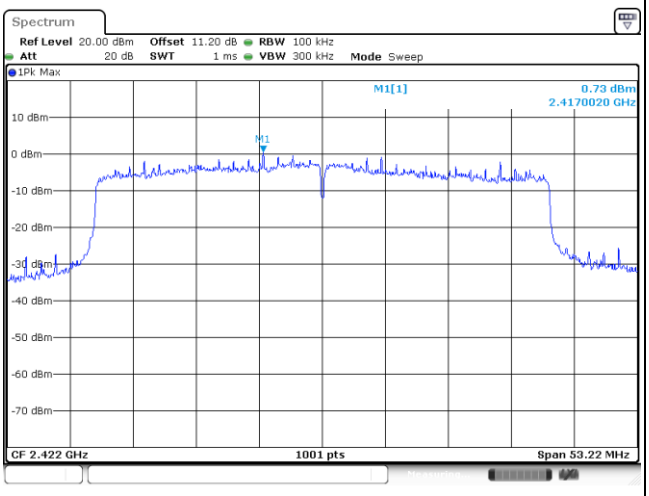
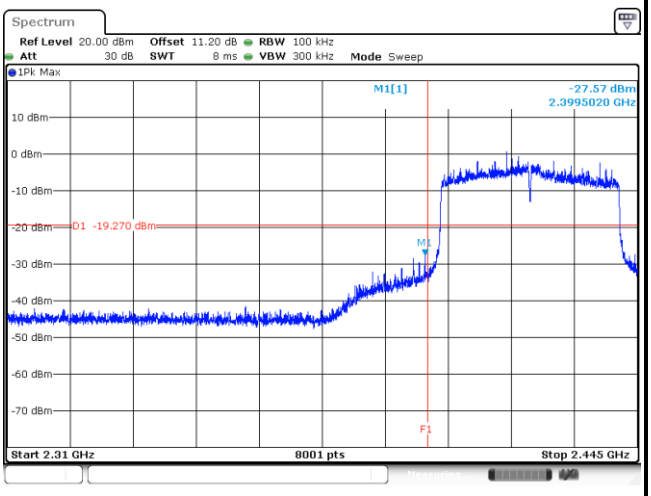
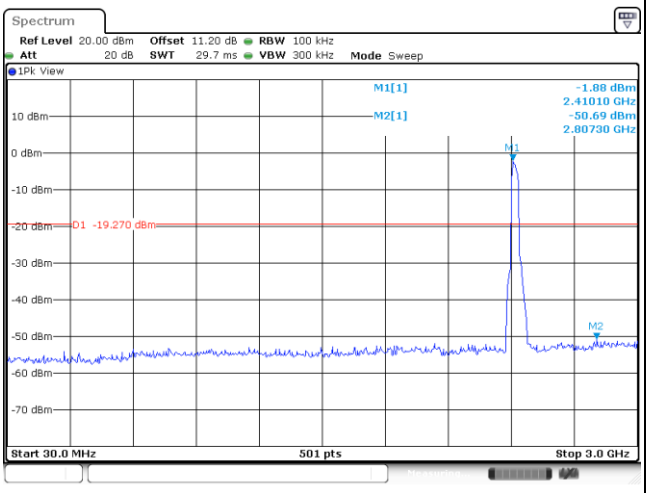
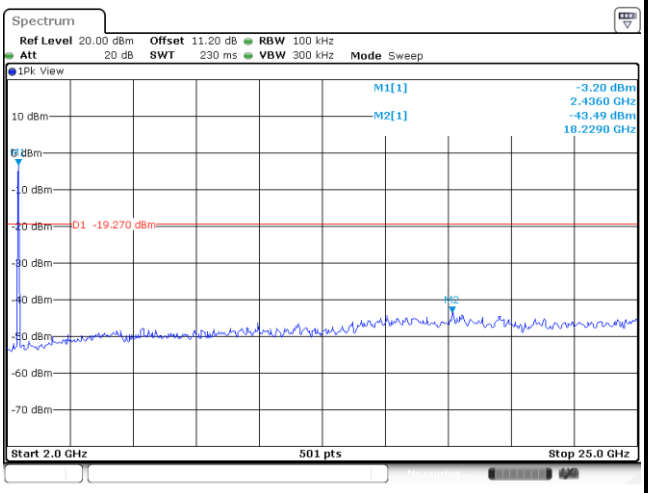
Test Mode :	802.11ax HE20 _Partial RU 52/40	Test Channel :	11

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

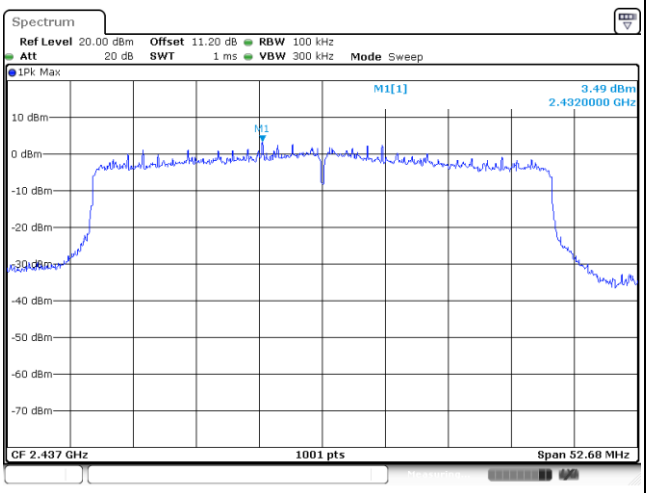
Test Mode :	802.11ax HE20 _Partial RU 106/54	Test Channel :	11

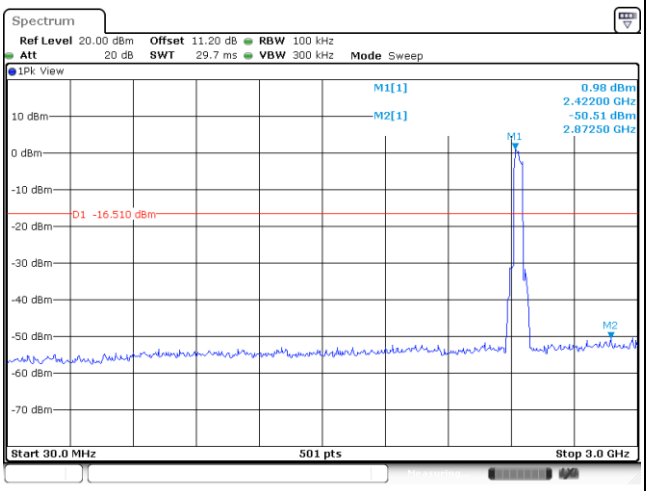
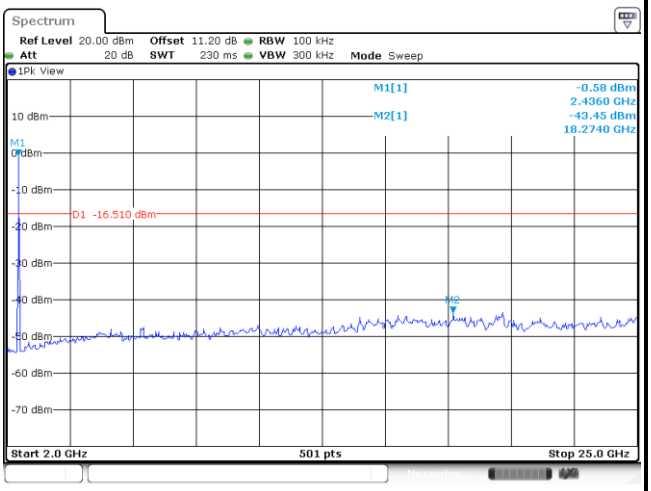
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11ax HE40	Test Channel :	03

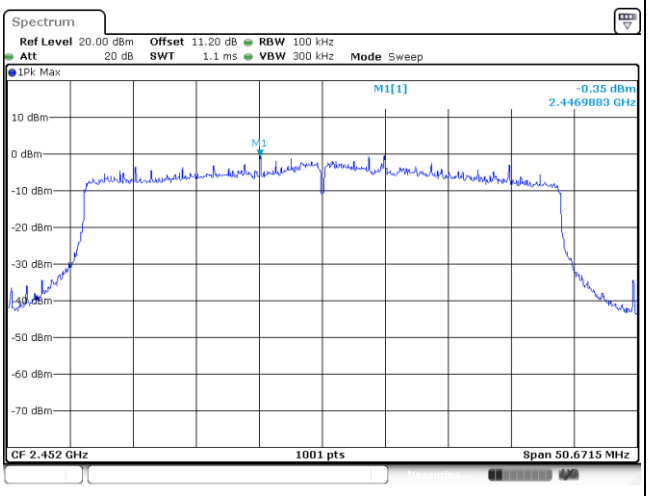
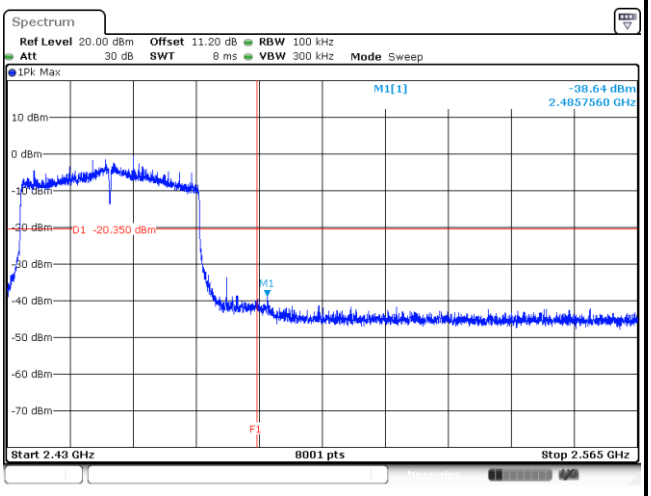
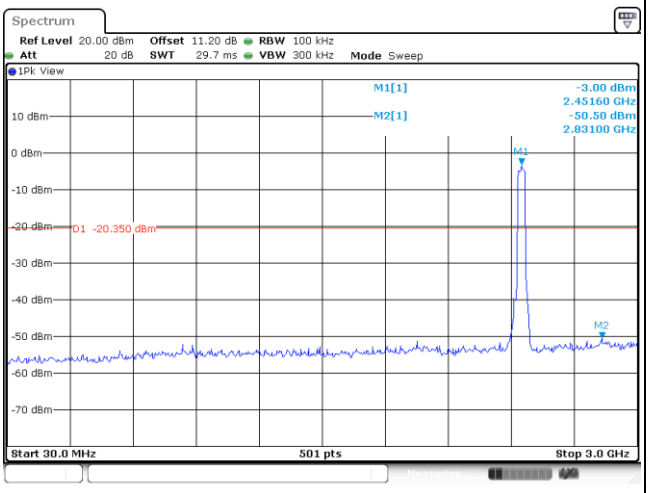
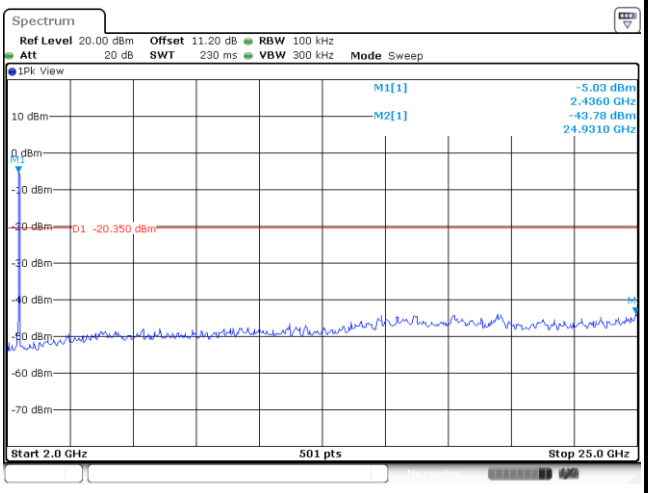
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11ax HE40	Test Channel :	06

100kHz PSD reference Level	Channel Plot
	-

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

Test Mode :	802.11ax HE40	Test Channel :	09

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

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 was 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

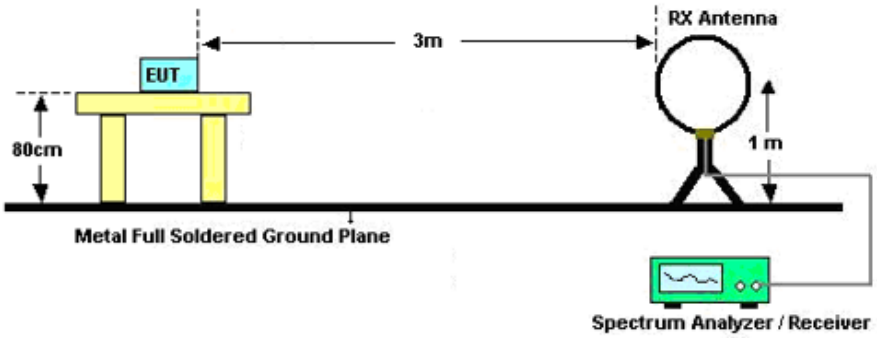
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

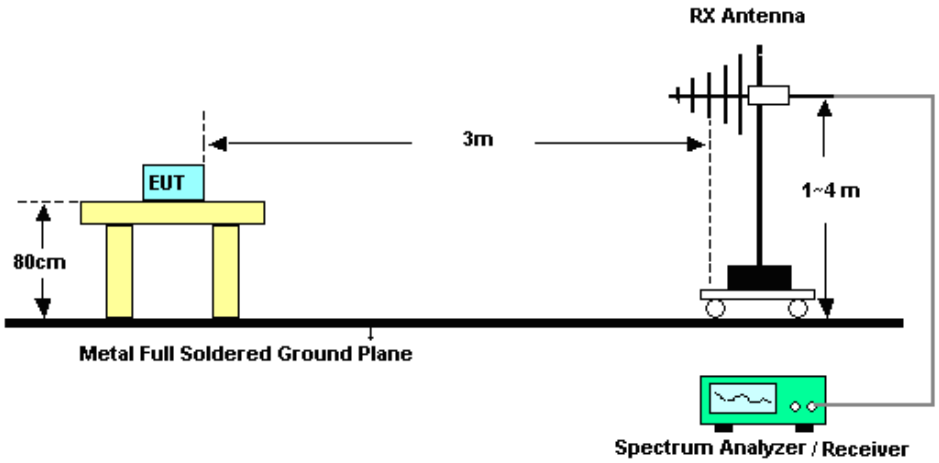
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
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= 3MHz 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

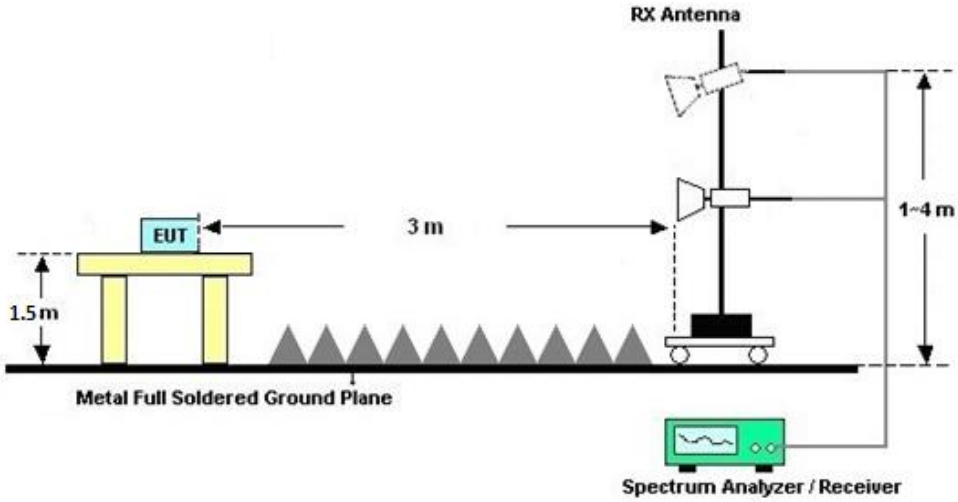
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C & D.

3.5.7 Duty Cycle

Please refer to Appendix E.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix C & 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.

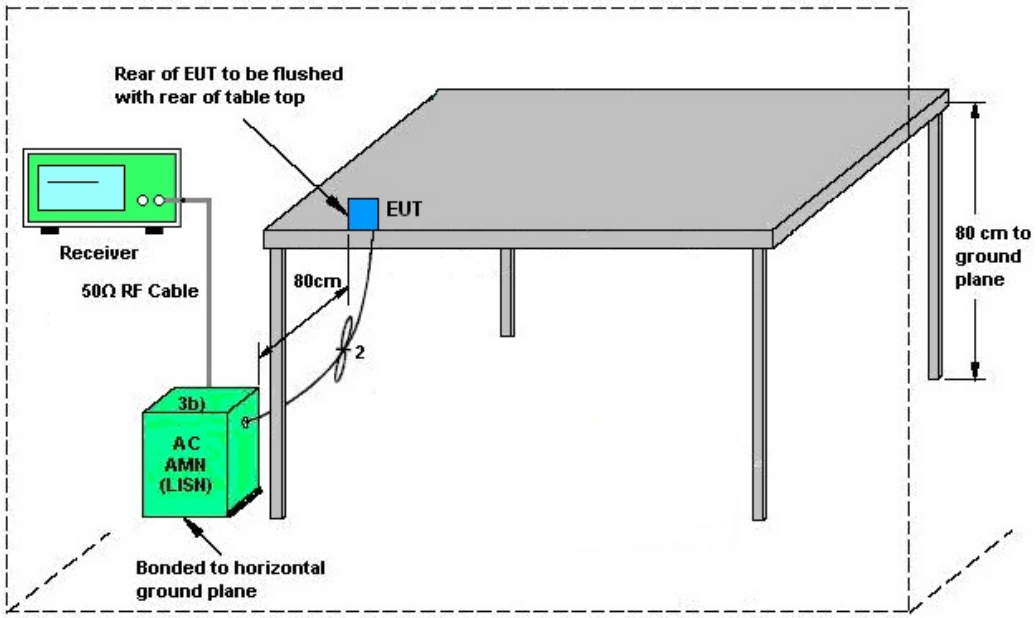
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

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

3.6.4 Test Setup



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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

The directional gain “DG” is calculated as following table.

<CDD Modes>

	Ant. 6 (dBi)	Ant. 5 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	0.10	0.20	0.20	3.16	0.00	0.00

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 06, 2022	Feb. 07, 2023 ~Mar. 24, 2023	Apr. 05, 2023	Conducted (TH01-SZ)
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 05, 2023		Apr. 04, 2024	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 27, 2022	Feb. 07, 2023 ~Mar. 24, 2023	Dec. 26, 2023	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1542004	50MHz Bandwidth	Dec. 27, 2022	Feb. 07, 2023 ~Mar. 24, 2023	Dec. 26, 2023	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 04, 2023	Apr. 17, 2023 ~Apr. 25, 2023	Apr. 03, 2024	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 04, 2023	Apr. 17, 2023 ~Apr. 25, 2023	Apr. 03, 2024	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	Apr. 17, 2023 ~Apr. 25, 2023	Jul. 27, 2024	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Aug. 09, 2021	Apr. 17, 2023 ~Apr. 25, 2023	Aug. 08, 2023	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 08 2023	Apr. 17, 2023 ~Apr. 25, 2023	Apr. 07. 2024	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 06.2022	Apr. 17, 2023 ~Apr. 25, 2023	Jul.05.2023	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 08 2023	Apr. 17, 2023 ~Apr. 25, 2023	Apr. 07. 2024	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 19,2022	Apr. 17, 2023 ~Apr. 25, 2023	Oct. 18,2023	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 19,2022	Apr. 17, 2023 ~Apr. 25, 2023	Oct. 18,2023	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 26,2022	Apr. 17, 2023 ~Apr. 25, 2023	Dec. 25,2023	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	1 N/A	Nov.10,2022	Apr. 17, 2023 ~Apr. 25, 2023	Nov.09,2023	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Apr. 17, 2023 ~Apr. 25, 2023	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Apr. 17, 2023 ~Apr. 25, 2023	NCR	Radiation (03CH03-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Jul. 07, 2022	Feb. 09, 2023	Jul. 06 2023	Conduction (CO01-SZ)
AC LISN	R&S	ENV216	100063	9kHz~30MHz	Sept. 15, 2022	Feb. 09, 2023	Sept. 14, 2023	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 17, 2022	Feb. 09, 2023	Oct. 16, 2023	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul.07, 2022	Feb. 09, 2023	Jul. 06, 2023	Conduction (CO01-SZ)

NCR: No Calibration Required

5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.7dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.9dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0dB**

---------- THE END ----------

Appendix A. Conducted Test Results

A1. Conducted Test Results

Test Engineer:	Chen Ran	Temperature:	21~25	°C
Test Date:	2023/2/07~2023/3/24	Relative Humidity:	51~54	%

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
					Ant6	Ant5	Ant6	Ant5		
11b	1Mbps	2	1	2412	13.34	13.44	8.08	8.54	0.50	Pass
11b	1Mbps	2	6	2437	13.24	13.39	8.08	8.06	0.50	Pass
11b	1Mbps	2	11	2462	13.19	13.19	8.04	8.08	0.50	Pass
11g	6Mbps	2	1	2412	16.38	16.33	15.04	15.72	0.50	Pass
11g	6Mbps	2	6	2437	16.28	16.33	15.12	15.06	0.50	Pass
11g	6Mbps	2	11	2462	16.33	16.28	15.12	15.12	0.50	Pass

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
						Ant6	Ant5	Ant6	Ant5		
HE20	MCS0	1	1	2412	Full	18.88	18.83	16.05	17.73	0.50	Pass
HE20	MCS0	1	6	2437	Full	19.03	18.88	18.08	18.30	0.50	Pass
HE20	MCS0	1	11	2462	Full	18.93	19.03	18.25	18.60	0.50	Pass
HE40	MCS0	1	3	2422	Full	37.86	37.96	36.32	35.48	0.50	Pass
HE40	MCS0	1	6	2437	Full	38.16	37.96	36.48	35.12	0.50	Pass
HE40	MCS0	1	9	2452	Full	37.86	37.66	37.36	33.78	0.50	Pass

Report Number : FR2D0705C

TEST RESULTS DATA
Peak Output Power

2.4GHz Band MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant6	Ant5	SUM	Ant6	Ant5	Ant6	Ant5	Ant6	Ant5	Ant6	Ant5	
11b	1Mbps	2	1	2412	21.34	20.15	23.80	30.00		0.20		24.00		36.00		Pass
11b	1Mbps	2	6	2437	21.63	20.36	24.05	30.00		0.20		24.25		36.00		Pass
11b	1Mbps	2	11	2462	20.72	20.28	23.52	30.00		0.20		23.72		36.00		Pass
11g	6Mbps	2	1	2412	23.78	22.51	26.20	30.00		0.20		26.40		36.00		Pass
11g	6Mbps	2	6	2437	24.55	23.28	26.97	30.00		0.20		27.17		36.00		Pass
11g	6Mbps	2	11	2462	21.55	20.66	24.14	30.00		0.20		24.34		36.00		Pass
HT20	MCS0	2	1	2412	21.78	20.98	24.41	30.00		0.20		24.61		36.00		Pass
HT20	MCS0	2	6	2437	24.35	23.09	26.78	30.00		0.20		26.98		36.00		Pass
HT20	MCS0	2	11	2462	21.45	20.86	24.18	30.00		0.20		24.38		36.00		Pass
HT40	MCS0	2	3	2422	19.71	19.23	22.49	30.00		0.20		22.69		36.00		Pass
HT40	MCS0	2	4	2427	21.52	21.18	24.36	30.00		0.20		24.56		36.00		Pass
HT40	MCS0	2	6	2437	23.29	21.98	25.69	30.00		0.20		25.89		36.00		Pass
HT40	MCS0	2	8	2447	23.33	21.50	25.52	30.00		0.20		25.72		36.00		Pass
HT40	MCS0	2	9	2452	19.22	18.25	21.77	30.00		0.20		21.97		36.00		Pass
VHT20	MCS0	2	1	2412	21.66	20.75	24.24	30.00		0.20		24.44		36.00		Pass
VHT20	MCS0	2	6	2437	24.28	22.98	26.69	30.00		0.20		26.89		36.00		Pass
VHT20	MCS0	2	11	2462	21.35	20.82	24.10	30.00		0.20		24.30		36.00		Pass
VHT40	MCS0	2	3	2422	19.46	19.17	22.33	30.00		0.20		22.53		36.00		Pass
VHT40	MCS0	2	4	2427	21.47	21.14	24.32	30.00		0.20		24.52		36.00		Pass
VHT40	MCS0	2	6	2437	23.15	21.88	25.57	30.00		0.20		25.77		36.00		Pass
VHT40	MCS0	2	8	2447	23.25	21.39	25.43	30.00		0.20		25.63		36.00		Pass
VHT40	MCS0	2	9	2452	19.15	17.85	21.56	30.00		0.20		21.76		36.00		Pass

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

TEST RESULTS DATA
Peak Output Power

2.4GHz Band MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant6	Ant5	SUM	Ant6	Ant5	Ant6	Ant5	Ant6	Ant5	Ant6	Ant5	
HE20	MCS0	2	1	2412	Full	22.81	21.48	25.21	30.00		0.20		25.41		36.00		Pass
HE20	MCS0	2	1	2412	26/0	19.33	16.98	21.32	30.00		0.20		21.52		36.00		Pass
HE20	MCS0	2	1	2412	52/37	21.52	19.28	23.55	30.00		0.20		23.75		36.00		Pass
HE20	MCS0	2	1	2412	106/53	22.77	20.87	24.93	30.00		0.20		25.13		36.00		Pass
HE20	MCS0	2	6	2437	Full	24.84	23.77	27.35	30.00		0.20		27.55		36.00		Pass
HE20	MCS0	2	11	2462	Full	21.95	21.21	24.61	30.00		0.20		24.81		36.00		Pass
HE20	MCS0	2	11	2462	26/8	19.01	18.15	21.61	30.00		0.20		21.81		36.00		Pass
HE20	MCS0	2	11	2462	52/40	20.23	20.04	23.15	30.00		0.20		23.35		36.00		Pass
HE20	MCS0	2	11	2462	106/54	22.21	21.39	24.83	30.00		0.20		25.03		36.00		Pass
HE40	MCS0	2	3	2422	Full	19.95	19.32	22.66	30.00		0.20		22.86		36.00		Pass
HE40	MCS0	2	4	2427	Full	21.58	21.25	24.43	30.00		0.20		24.63		36.00		Pass
HE40	MCS0	2	6	2437	Full	23.66	22.09	25.96	30.00		0.20		26.16		36.00		Pass
HE40	MCS0	2	8	2447	Full	23.39	21.57	25.58	30.00		0.20		25.78		36.00		Pass
HE40	MCS0	2	9	2452	Full	19.52	18.32	21.97	30.00		0.20		22.17		36.00		Pass

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant6	Ant5	Worse + 3.01	Ant6	Ant5	Ant6	Ant5	
11b	1Mbps	2	1	2412	-5.22	-6.01	-2.21	3.16		8.00		Pass
11b	1Mbps	2	6	2437	-5.24	-5.07	-2.06	3.16		8.00		Pass
11b	1Mbps	2	11	2462	-5.54	-5.26	-2.25	3.16		8.00		Pass
11g	6Mbps	2	1	2412	-5.28	-7.03	-2.27	3.16		8.00		Pass
11g	6Mbps	2	6	2437	-6.22	-7.04	-3.21	3.16		8.00		Pass
11g	6Mbps	2	11	2462	-6.74	-6.84	-3.73	3.16		8.00		Pass

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

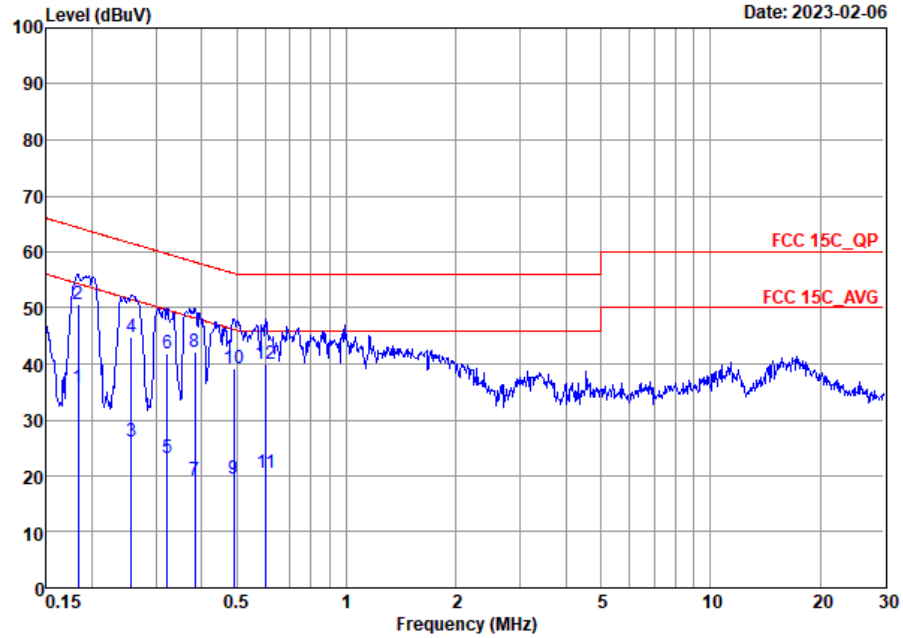
TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
						Ant6	Ant5	Worse + 3.01	Ant6	Ant5	Ant6	Ant5	
HE20	MCS0	2	1	2412	Full	-8.72	-10.80	-5.71	3.16		8.00		Pass
HE20	MCS0	2	1	2412	26/0	-9.06	-11.54	-6.05	3.16		8.00		Pass
HE20	MCS0	2	1	2412	52/37	-9.02	-10.46	-6.01	3.16		8.00		Pass
HE20	MCS0	2	1	2412	106/53	-9.14	-10.73	-6.13	3.16		8.00		Pass
HE20	MCS0	2	6	2437	Full	-6.07	-7.15	-3.06	3.16		8.00		Pass
HE20	MCS0	2	11	2462	Full	-8.46	-12.16	-5.45	3.16		8.00		Pass
HE20	MCS0	2	11	2462	26/8	-8.88	-9.35	-5.87	3.16		8.00		Pass
HE20	MCS0	2	11	2462	52/40	-9.09	-9.08	-6.07	3.16		8.00		Pass
HE20	MCS0	2	11	2462	106/54	-8.72	-9.77	-5.71	3.16		8.00		Pass
HE40	MCS0	2	3	2422	Full	-13.79	-16.02	-10.78	3.16		8.00		Pass
HE40	MCS0	2	6	2437	Full	-11.39	-12.52	-8.38	3.16		8.00		Pass
HE40	MCS0	2	9	2452	Full	-12.85	-15.36	-9.84	3.16		8.00		Pass

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

Appendix B. AC Conducted Emission Test Results

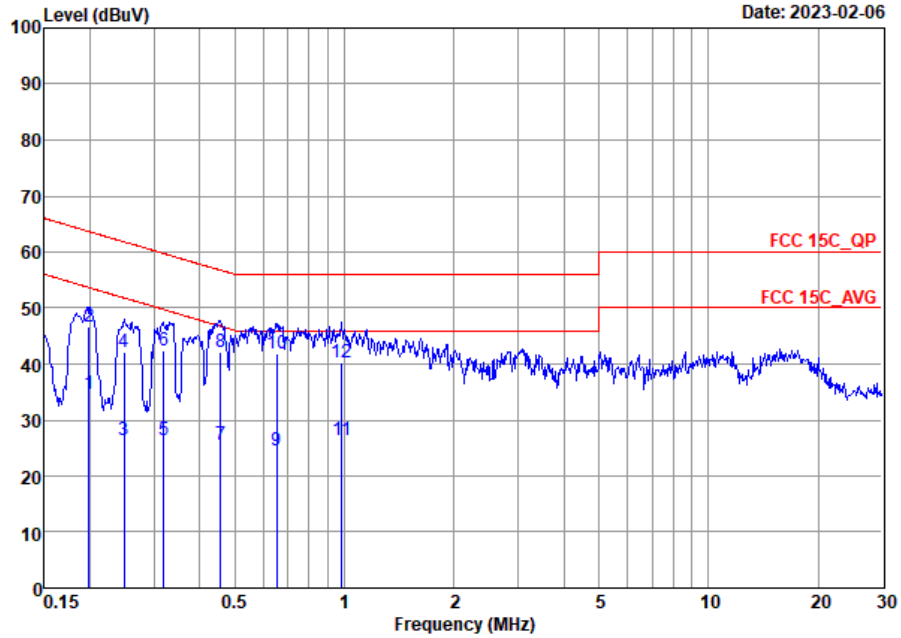
Test Engineer :	Lily Qiu	**Temperature :**	22~24℃
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15C_QP LISN_20220811_ L LINE

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.18	35.65	-18.68	54.33	15.10	10.20	10.35	Average
2	*	0.18	50.55	-13.78	64.33	30.00	10.20	10.35	QP
3		0.26	26.20	-25.36	51.56	5.40	10.18	10.62	Average
4		0.26	44.70	-16.86	61.56	23.90	10.18	10.62	QP
5		0.32	23.27	-26.39	49.66	2.11	10.12	11.04	Average
6		0.32	41.77	-17.89	59.66	20.61	10.12	11.04	QP
7		0.38	19.15	-29.06	48.21	-2.30	10.09	11.36	Average
8		0.38	42.25	-15.96	58.21	20.80	10.09	11.36	QP
9		0.49	19.55	-26.59	46.14	-2.40	10.12	11.83	Average
10		0.49	39.15	-16.99	56.14	17.20	10.12	11.83	QP
11		0.60	20.62	-25.38	46.00	-0.90	10.10	11.42	Average
12		0.60	40.02	-15.98	56.00	18.50	10.10	11.42	QP

Test Engineer :	Lily Qiu	Temperature :	22~24℃
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15C_QP LISN_20220811_ N NEUTRAL

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.20	34.75	-18.92	53.67	14.30	10.28	10.17	Average
2		0.20	46.55	-17.12	63.67	26.10	10.28	10.17	QP
3		0.25	26.51	-25.31	51.82	5.70	10.25	10.56	Average
4		0.25	42.21	-19.61	61.82	21.40	10.25	10.56	QP
5		0.32	26.52	-23.23	49.75	5.30	10.19	11.03	Average
6		0.32	42.52	-17.23	59.75	21.30	10.19	11.03	QP
7		0.46	25.58	-21.18	46.76	3.70	10.19	11.69	Average
8		0.46	42.18	-14.58	56.76	20.30	10.19	11.69	QP
9		0.65	24.66	-21.34	46.00	3.20	10.23	11.23	Average
10	*	0.65	41.96	-14.04	56.00	20.50	10.23	11.23	QP
11		0.98	26.27	-19.73	46.00	5.80	10.20	10.27	Average
12		0.98	40.17	-15.83	56.00	19.70	10.20	10.27	QP

Note:

1. Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
2. Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)

Appendix C. Radiated Spurious Emission

Test Engineer :	ZhouLiangPing	Temperature :	24~25°C
		Relative Humidity :	48~49%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+6		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2385.18	55.19	-18.81	74	51.84	32.2	4.81	33.66	100	160	P	H
		2385.285	48.82	-5.18	54	45.47	32.2	4.81	33.66	100	160	A	H
	*	2412	104.53	-	-	101.1	32.27	4.81	33.65	100	160	P	H
	*	2412	101.38	-	-	97.95	32.27	4.81	33.65	100	160	A	H
		2386.44	56.73	-17.27	74	53.38	32.2	4.81	33.66	216	284	P	V
		2386.545	50.66	-3.34	54	47.3	32.21	4.81	33.66	216	284	A	V
	*	2412	109.09	-	-	105.66	32.27	4.81	33.65	216	284	P	V
	*	2412	105.97	-	-	102.54	32.27	4.81	33.65	216	284	A	V
802.11b CH 11 2462MHz	*	2462	105.89	-	-	102.26	32.4	4.86	33.63	120	153	P	H
	*	2462	102.78	-	-	99.15	32.4	4.86	33.63	120	153	A	H
		2485.08	54.82	-19.18	74	51.06	32.46	4.92	33.62	120	153	P	H
		2485.92	47.46	-6.54	54	43.7	32.46	4.92	33.62	120	153	A	H
	*	2462	109.56	-	-	105.93	32.4	4.86	33.63	229	294	P	V
	*	2462	106.42	-	-	102.79	32.4	4.86	33.63	229	294	A	V
		2486.76	58.27	-15.73	74	54.5	32.47	4.92	33.62	229	294	P	V
		2486	53.66	-0.34	54	49.9	32.46	4.92	33.62	229	294	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 802.11b (Harmonic @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	46.29	-27.71	74	56.78	34.67	7.75	52.91	-	-	P	H
		4824	47.71	-26.29	74	58.2	34.67	7.75	52.91	-	-	P	V
802.11b CH 06 2437MHz		4874	42.79	-31.21	74	53.22	34.65	7.76	52.84	-	-	P	H
		7311	45.91	-28.09	74	54.67	36.41	8.95	54.12	-	-	P	H
		4874	43.54	-30.46	74	53.97	34.65	7.76	52.84	-	-	P	V
		7311	46.67	-27.33	74	55.43	36.41	8.95	54.12	-	-	P	V
802.11b CH 11 2462MHz		4924	43.27	-30.73	74	53.62	34.63	7.8	52.78	-	-	P	H
		7386	46	-28	74	54.38	36.49	9.2	54.07	-	-	P	H
		4924	44.61	-29.39	74	54.96	34.63	7.8	52.78	-	-	P	V
		7386	45.88	-28.12	74	54.26	36.49	9.2	54.07	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2390	65.06	-8.94	74	61.7	32.21	4.81	33.66	111	16	P	H
		2390	53.86	-0.14	54	50.5	32.21	4.81	33.66	111	16	P	H
	*	2412	107.88	-	-	104.45	32.27	4.81	33.65	111	16	P	H
	*	2412	100.25	-	-	96.82	32.27	4.81	33.65	111	16	A	H
		2388.33	65.19	-8.81	74	61.83	32.21	4.81	33.66	161	296	P	V
		2387.49	52.09	-1.91	54	48.73	32.21	4.81	33.66	161	296	P	V
	*	2412	111.49	-	-	108.06	32.27	4.81	33.65	161	296	P	V
	*	2412	103.96	-	-	100.53	32.27	4.81	33.65	161	296	A	V
802.11g CH 01 2412MHz （sku3）		2389.905	61.41	-12.59	74	58.05	32.21	4.81	33.66	100	153	P	H
		2390	50.83	-3.17	54	47.47	32.21	4.81	33.66	100	153	P	H
	*	2412	98.51	-	-	95.08	32.27	4.81	33.65	100	153	P	H
	*	2412	91.01	-	-	87.58	32.27	4.81	33.65	100	153	A	H
		2389.905	63.27	-10.73	74	59.91	32.21	4.81	33.66	391	303	P	V
		2390	52.86	-1.14	54	49.5	32.21	4.81	33.66	391	303	P	V
	*	2412	100.51	-	-	97.08	32.27	4.81	33.65	391	303	P	V
	*	2412	92.74	-	-	89.31	32.27	4.81	33.65	391	303	A	V
802.11g CH 11 2462MHz	*	2462	107.52	-	-	103.89	32.4	4.86	33.63	124	19	P	H
	*	2462	99.59	-	-	95.96	32.4	4.86	33.63	124	19	A	H
		2483.76	63.84	-10.16	74	60.08	32.46	4.92	33.62	124	19	P	H
		2483.52	52.13	-1.87	54	48.37	32.46	4.92	33.62	124	19	A	H
	*	2462	110.34	-	-	106.71	32.4	4.86	33.63	229	273	P	V
	*	2462	103.07	-	-	99.44	32.4	4.86	33.63	229	273	A	V
		2483.64	64.49	-9.51	74	60.73	32.46	4.92	33.62	229	273	P	V
		2483.52	53.38	-0.62	54	49.62	32.46	4.92	33.62	229	273	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 802.11g (Harmonic @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	42.59	-31.41	74	53.08	34.67	7.75	52.91	-	-	P	H
		4824	44.07	-29.93	74	54.56	34.67	7.75	52.91	-	-	P	V
802.11g CH 01 2412MHz (sku3)		4824	43.26	-30.74	74	53.75	34.67	7.75	52.91	-	-	P	H
		4824	43.16	-30.84	74	53.65	34.67	7.75	52.91	-	-	P	V
802.11g CH 06 2437MHz		4874	43.08	-30.92	74	53.51	34.65	7.76	52.84	-	-	P	H
		7311	45.18	-28.82	74	53.94	36.41	8.95	54.12	-	-	P	H
		4874	43.11	-30.89	74	53.54	34.65	7.76	52.84	-	-	P	V
		7311	45.21	-28.79	74	53.97	36.41	8.95	54.12	-	-	P	V
802.11g CH 11 2462MHz		4924	41.81	-32.19	74	52.16	34.63	7.8	52.78	-	-	P	H
		7386	45.1	-28.9	74	53.48	36.49	9.2	54.07	-	-	P	H
		4924	43.48	-30.52	74	53.83	34.63	7.8	52.78	-	-	P	V
		7386	44.77	-29.23	74	53.15	36.49	9.2	54.07	-	-	P	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 (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2389.065	65.78	-8.22	74	62.42	32.21	4.81	33.66	111	17	P	H
		2390	53.73	-0.27	54	50.37	32.21	4.81	33.66	111	17	A	H
802.11ax	*	2412	106.52	-	-	103.09	32.27	4.81	33.65	111	17	P	H
HE20 Full	*	2412	96.85	-	-	93.42	32.27	4.81	33.65	111	17	A	H
CH 01		2389.905	61.55	-12.45	74	58.19	32.21	4.81	33.66	223	251	P	V
2412MHz		2390	49.9	-4.1	54	46.54	32.21	4.81	33.66	223	251	A	V
	*	2412	106.67	-	-	103.24	32.27	4.81	33.65	223	251	P	V
	*	2412	96.31	-	-	92.88	32.27	4.81	33.65	223	251	A	V
	*	2462	105.8	-	-	102.17	32.4	4.86	33.63	100	15	P	H
	*	2462	96.73	-	-	93.1	32.4	4.86	33.63	100	15	A	H
802.11ax		2485.32	66.22	-7.78	74	62.46	32.46	4.92	33.62	100	15	P	H
HE20 Full		2485.28	51.64	-2.36	54	47.88	32.46	4.92	33.62	100	15	A	H
CH 11	*	2462	109.83	-	-	106.2	32.4	4.86	33.63	229	296	P	V
2462MHz	*	2462	101.64	-	-	98.01	32.4	4.86	33.63	229	296	A	V
		2483.92	65.17	-8.83	74	61.41	32.46	4.92	33.62	229	296	P	V
		2483.52	53.64	-0.36	54	49.88	32.46	4.92	33.62	229	296	A	V

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 01 2412MHz		4824	41.38	-32.62	74	51.87	34.67	7.75	52.91	-	-	P	H
		4824	42.18	-31.82	74	52.67	34.67	7.75	52.91	-	-	P	V
802.11ax HE20 Full CH 06 2437MHz		4874	43.39	-30.61	74	53.82	34.65	7.76	52.84	-	-	P	H
		7311	44.11	-29.89	74	52.87	36.41	8.95	54.12	-	-	P	H
		4874	42.16	-31.84	74	52.59	34.65	7.76	52.84	-	-	P	V
		7311	44.1	-29.9	74	52.86	36.41	8.95	54.12	-	-	P	V
802.11ax HE20 Full CH 11 2462MHz		4924	42.89	-31.11	74	53.24	34.63	7.8	52.78	-	-	P	H
		7386	45.28	-28.72	74	53.66	36.49	9.2	54.07	-	-	P	H
		4924	41.85	-32.15	74	52.2	34.63	7.8	52.78	-	-	P	V
		7386	45.3	-28.7	74	53.68	36.49	9.2	54.07	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2390	52.66	-21.34	74	49.3	32.21	4.81	33.66	263	16	P	H
802.11ax		2389.905	40.38	-13.62	54	37.02	32.21	4.81	33.66	263	16	A	H
HE20	*	2412	109.38	-	-	105.95	32.27	4.81	33.65	263	16	P	H
Partial	*	2412	99.75	-	-	96.32	32.27	4.81	33.65	263	16	A	H
52/37		2389.905	55.38	-18.62	74	52.02	32.21	4.81	33.66	276	319	P	V
CH 01		2390	40.56	-13.44	54	37.2	32.21	4.81	33.66	276	319	A	V
2412MHz	*	2412	107.84	-	-	104.41	32.27	4.81	33.65	276	319	P	V
	*	2412	99.13	-	-	95.7	32.27	4.81	33.65	276	319	A	V

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 11 2462MHz	*	2462	109.98	-	-	106.35	32.4	4.86	33.63	228	37	P	H
	*	2462	100.99	-	-	97.36	32.4	4.86	33.63	228	37	A	H
		2483.52	65.49	-8.51	74	61.73	32.46	4.92	33.62	228	37	P	H
		2483.52	45.07	-8.93	54	41.31	32.46	4.92	33.62	228	37	A	H
	*	2462	111.05	-	-	107.42	32.4	4.86	33.63	265	312	P	V
	*	2462	102.79	-	-	99.16	32.4	4.86	33.63	265	312	A	V
		2483.56	69.06	-4.94	74	65.3	32.46	4.92	33.62	265	312	P	V
		2483.52	45.38	-8.62	54	41.62	32.46	4.92	33.62	265	312	A	V

2.4GHz 2400~2483.5MHz

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

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2388.54	62.9	-11.1	74	59.54	32.21	4.81	33.66	110	16	P	H
		2389.8	52.94	-1.06	54	49.58	32.21	4.81	33.66	110	16	A	H
	*	2422	102.37	-	-	98.91	32.3	4.81	33.65	110	16	P	H
	*	2422	93.2	-	-	89.74	32.3	4.81	33.65	110	16	A	H
802.11ax		2489.78	51.03	-22.97	74	47.24	32.47	4.92	33.6	110	16	P	H
HE40 Full		2484.32	41.14	-12.86	54	37.38	32.46	4.92	33.62	110	16	A	H
CH 03		2387.56	63.69	-10.31	74	60.33	32.21	4.81	33.66	247	295	P	V
2422MHz		2389.94	52.34	-1.66	54	48.98	32.21	4.81	33.66	247	295	A	V
	*	2422	104.12	-	-	100.66	32.3	4.81	33.65	247	295	P	V
	*	2422	96.41	-	-	92.95	32.3	4.81	33.65	247	295	A	V
		2491.18	51.95	-22.05	74	48.15	32.48	4.92	33.6	247	295	P	V
		2483.5	41.6	-12.4	54	37.84	32.46	4.92	33.62	247	295	A	V
		2389.94	64.26	-9.74	74	60.9	32.21	4.81	33.66	237	14	P	H
		2389.94	53.85	-0.15	54	50.49	32.21	4.81	33.66	237	14	A	H
	*	2427	101.98	-	-	98.46	32.31	4.86	33.65	237	14	P	H
	*	2427	93.86	-	-	90.34	32.31	4.86	33.65	237	14	A	H
802.11ax		2483.62	51.42	-22.58	74	47.66	32.46	4.92	33.62	199	22	P	H
HE40 Full		2483.5	42.53	-11.47	54	38.77	32.46	4.92	33.62	237	14	A	H
CH 04		2389.24	61.91	-12.09	74	58.55	32.21	4.81	33.66	270	291	P	V
2427MHz		2389.94	51.17	-2.83	54	47.81	32.21	4.81	33.66	270	291	A	V
	*	2427	105.06	-	-	101.54	32.31	4.86	33.65	270	291	P	V
	*	2427	96.99	-	-	93.47	32.31	4.86	33.65	270	291	A	V
		2483.69	53.53	-20.47	74	49.77	32.46	4.92	33.62	270	291	P	V
		2486.49	42.94	-11.06	54	39.18	32.46	4.92	33.62	270	291	A	V

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2389.8	62.41	-11.59	74	59.05	32.21	4.81	33.66	155	20	P	H
		2389.94	52.72	-1.28	54	49.36	32.21	4.81	33.66	155	20	A	H
	*	2437	104.14	-	-	100.59	32.34	4.86	33.65	155	20	P	H
	*	2437	95.96	-	-	92.41	32.34	4.86	33.65	155	20	A	H
802.11ax		2483.62	58.97	-15.03	74	55.21	32.46	4.92	33.62	155	20	P	H
HE40 Full		2483.5	48.3	-5.7	54	44.54	32.46	4.92	33.62	155	20	A	H
CH 06		2387.14	61.49	-12.51	74	58.13	32.21	4.81	33.66	271	306	P	V
2437MHz		2386.02	51	-3	54	47.65	32.2	4.81	33.66	271	306	A	V
	*	2437	108.13	-	-	104.58	32.34	4.86	33.65	271	306	P	V
	*	2437	99.6	-	-	96.05	32.34	4.86	33.65	271	306	A	V
		2485.79	59.81	-14.19	74	56.05	32.46	4.92	33.62	271	306	P	V
		2483.5	48.39	-5.61	54	44.63	32.46	4.92	33.62	271	306	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2389.24	52.69	-21.31	74	49.33	32.21	4.81	33.66	199	22	P	H
		2389.94	43.09	-10.91	54	39.73	32.21	4.81	33.66	199	22	A	H
	*	2447	103.52	-	-	99.93	32.36	4.86	33.63	199	22	P	H
	*	2447	94.55	-	-	90.96	32.36	4.86	33.63	199	22	A	H
802.11ax		2483.62	62.11	-11.89	74	58.35	32.46	4.92	33.62	199	22	P	H
HE40 Full		2483.5	51.97	-2.03	54	48.21	32.46	4.92	33.62	199	22	A	H
CH 08		2387.7	56.59	-17.41	74	53.23	32.21	4.81	33.66	274	302	P	V
244MHz		2388.12	45.79	-8.21	54	42.43	32.21	4.81	33.66	274	302	A	V
	*	2447	105.7	-	-	102.11	32.36	4.86	33.63	274	302	P	V
	*	2447	97.42	-	-	93.83	32.36	4.86	33.63	274	302	A	V
		2484.53	64.57	-9.43	74	60.81	32.46	4.92	33.62	274	302	P	V
		2484.53	52.68	-1.32	54	48.92	32.46	4.92	33.62	274	302	A	V
		2389.66	51.62	-22.38	74	48.26	32.21	4.81	33.66	100	15	P	H
		2389.38	41.53	-12.47	54	38.17	32.21	4.81	33.66	100	15	A	H
	*	2452	103.14	-	-	99.53	32.38	4.86	33.63	100	15	P	H
	*	2452	93.8	-	-	90.19	32.38	4.86	33.63	100	15	A	H
802.11ax		2485.58	61.06	-12.94	74	57.3	32.46	4.92	33.62	100	15	P	H
HE40 Full		2486.14	49.06	-4.94	54	45.3	32.46	4.92	33.62	100	15	A	H
CH 09		2389.52	51.38	-22.62	74	48.02	32.21	4.81	33.66	230	294	P	V
2452MHz		2389.94	41.52	-12.48	54	38.16	32.21	4.81	33.66	230	294	A	V
	*	2452	105.63	-	-	102.02	32.38	4.86	33.63	230	294	P	V
	*	2452	96.93	-	-	93.32	32.38	4.86	33.63	230	294	A	V
		2485.72	65.22	-8.78	74	61.46	32.46	4.92	33.62	230	294	P	V
		2483.5	53.78	-0.22	54	50.02	32.46	4.92	33.62	230	294	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. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		4844	42.96	-31.04	74	53.43	34.66	7.76	52.89	-	-	P	H
HE40 Full		7266	44.96	-29.04	74	53.9	36.37	8.83	54.14	-	-	P	H
CH 03		4844	42.78	-31.22	74	53.25	34.66	7.76	52.89	-	-	P	V
2422MHz		7266	44.49	-29.51	74	53.43	36.37	8.83	54.14	-	-	P	V
802.11ax		4874	42.71	-31.29	74	53.14	34.65	7.76	52.84	-	-	P	H
HE40 Full		7311	44.4	-29.6	74	53.16	36.41	8.95	54.12	-	-	P	H
CH 06		4874	42.18	-31.82	74	52.61	34.65	7.76	52.84	-	-	P	V
2437MHz		7311	44.02	-29.98	74	52.78	36.41	8.95	54.12	-	-	P	V
802.11ax		4904	42.12	-31.88	74	52.5	34.64	7.78	52.8	-	-	P	H
HE40 Full		7356	45.37	-28.63	74	53.92	36.46	9.08	54.09	-	-	P	H
CH 09		4904	42.89	-31.11	74	53.27	34.64	7.78	52.8	-	-	P	V
2452MHz		7356	45.66	-28.34	74	54.21	36.46	9.08	54.09	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

WIFI Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
2.4GHz 802.11g LF		48.43	18.46	-21.54	40	32.19	19.62	1.63	34.98	-	-	P	H
		159.98	28.52	-14.98	43.5	42.45	18.39	2.38	34.7	-	-	P	H
		202.66	27.56	-15.94	43.5	43.41	16.08	2.77	34.7	-	-	P	H
		347.19	32.89	-13.11	46	43.9	20.16	3.43	34.6	-	-	P	H
		453.89	24.81	-21.19	46	33.05	22.8	3.46	34.5	-	-	P	H
		652.74	27.34	-18.66	46	31.86	26.3	3.67	34.49	-	-	P	H
		58.13	28.4	-11.6	40	42.54	19.05	1.73	34.92	-	-	P	V
		163.86	31.13	-12.37	43.5	45.27	18.16	2.4	34.7	-	-	P	V
		202.66	32.26	-11.24	43.5	48.11	16.08	2.77	34.7	-	-	P	V
		327.79	33.25	-12.75	46	44.78	19.73	3.34	34.6	-	-	P	V
		453.89	28.47	-17.53	46	36.71	22.8	3.46	34.5	-	-	P	V
		637.22	27.19	-18.81	46	31.86	26.21	3.65	34.53	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Co-location

BLE CH39 (ANT6) & 11g CH01 (ANT 5)

BLE (ANT6) (Band Edge @ 3m)

BLE Ant	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
6		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 39 & 11g CH 01 Co-location	*	2480	94.41	-	-	90.66	32.45	4.92	33.62	334	42	P	H
	*	2480	93.05	-	-	89.3	32.45	4.92	33.62	334	42	A	H
		2497.56	51.27	-22.73	74	47.46	32.49	4.92	33.6	334	42	P	H
		2489.88	43.91	-10.09	54	40.12	32.47	4.92	33.6	334	42	A	H
	*	2480	89.21	-	-	85.46	32.45	4.92	33.62	262	339	P	V
	*	2480	87.79	-	-	84.04	32.45	4.92	33.62	262	339	A	V
		2496.24	51.17	-22.83	74	47.36	32.49	4.92	33.6	262	339	P	V
		2486.88	43.49	-10.51	54	39.72	32.47	4.92	33.62	262	339	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11g (ANT 5) (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 39 & 11g CH 01 Co-location		2388.96	60.54	-13.46	74	57.18	32.21	4.81	33.66	100	9	P	H
		2389.695	43.79	-10.21	54	40.43	32.21	4.81	33.66	100	9	A	H
	*	2412	101.39	-	-	97.96	32.27	4.81	33.65	100	9	P	H
	*	2412	92.22	-	-	88.79	32.27	4.81	33.65	100	9	A	H
		2389.38	63.98	-10.02	74	60.62	32.21	4.81	33.66	188	267	P	V
		2390	46.03	-7.97	54	42.67	32.21	4.81	33.66	188	267	A	V
	*	2412	101.64	-	-	98.21	32.27	4.81	33.65	188	267	P	V
	*	2412	92.64	-	-	89.21	32.27	4.81	33.65	188	267	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

(Harmonic @ 3m)

Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE CH 39 & 11g CH 01 Co-location		4824	43.32	-30.68	74	53.81	34.67	7.75	52.91	-	-	P	H
		4960	43.81	-30.19	74	54.12	34.62	7.81	52.74	-	-	P	H
		7440	45.09	-28.91	74	53.4	36.54	9.19	54.04	-	-	P	H
		4824	43.38	-30.62	74	53.87	34.67	7.75	52.91	-	-	P	V
		4960	43.44	-30.56	74	53.75	34.62	7.81	52.74	-	-	P	V
		7440	45.44	-28.56	74	53.75	36.54	9.19	54.04	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

BLE CH39 (ANT 5) & 11g CH01 (ANT 6)

BLE (ANT 5) (Band Edge @ 3m)

BLE	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 39 & 11g CH 01 Co-location	*	2480	91.33	-	-	87.58	32.45	4.92	33.62	100	31	P	H
	*	2480	91.38	-	-	87.63	32.45	4.92	33.62	100	31	A	H
		2496.4	51.46	-22.54	74	47.65	32.49	4.92	33.6	100	31	P	H
		2489.12	43.96	-10.04	54	40.17	32.47	4.92	33.6	100	31	A	H
	*	2480	94.39	-	-	90.64	32.45	4.92	33.62	296	45	P	V
	*	2480	93.12	-	-	89.37	32.45	4.92	33.62	296	45	A	V
		2484.96	51.94	-22.06	74	48.18	32.46	4.92	33.62	296	45	P	V
		2499.56	43.56	-10.44	54	39.74	32.5	4.92	33.6	296	45	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11g (ANT 6) (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 39 & 11g CH 01 Co-location		2389.275	53.67	-20.33	74	50.31	32.21	4.81	33.66	150	22	P	H
		2390	43.32	-10.68	54	39.96	32.21	4.81	33.66	150	22	A	H
	*	2412	100.06	-	-	96.63	32.27	4.81	33.65	150	22	P	H
	*	2412	92.41	-	-	88.98	32.27	4.81	33.65	150	22	A	H
		2389.59	58.1	-15.9	74	54.74	32.21	4.81	33.66	185	62	P	V
		2390	47.4	-6.6	54	44.04	32.21	4.81	33.66	185	62	A	V
	*	2412	103.05	-	-	99.62	32.27	4.81	33.65	185	62	P	V
	*	2412	95.26	-	-	91.83	32.27	4.81	33.65	185	62	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

(Harmonic @ 3m)

Ant. 5+6	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE CH 39 & 11g CH 01 Co-location		4824	43.91	-30.09	74	54.4	34.67	7.75	52.91	-	-	P	H
		4960	43.14	-30.86	74	53.45	34.62	7.81	52.74	-	-	P	H
		7440	44.18	-29.82	74	52.49	36.54	9.19	54.04	-	-	P	H
		4824	43.91	-30.09	74	54.4	34.67	7.75	52.91	-	-	P	V
		4960	43.14	-30.86	74	53.45	34.62	7.81	52.74	-	-	P	V
		7440	44.18	-29.82	74	52.49	36.54	9.19	54.04	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **Margin** 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	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5+6		(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. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

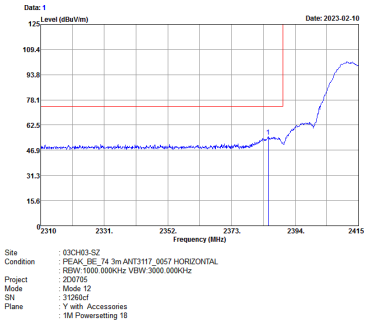
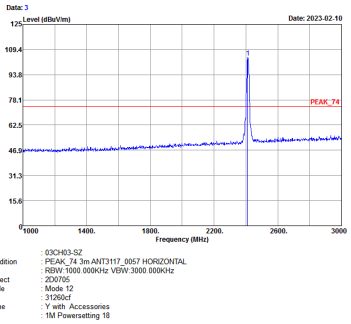
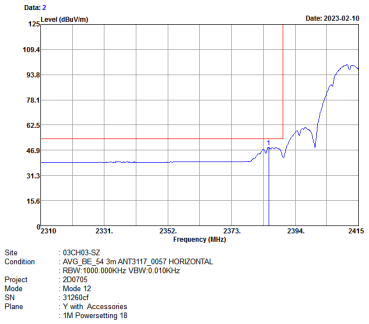
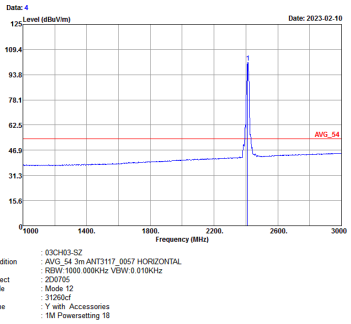
Appendix D. Radiated Spurious Emission Plots

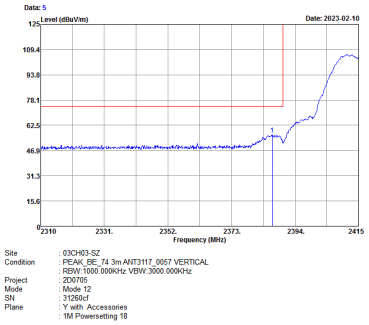
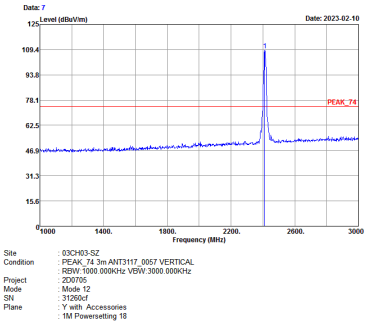
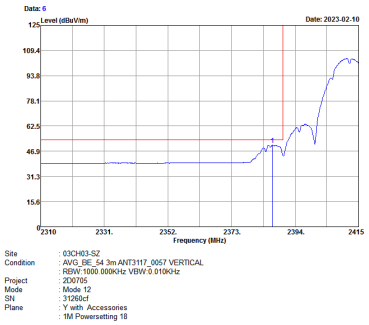
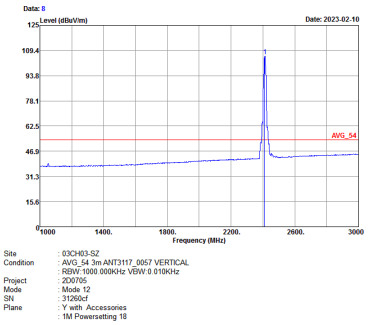
Note symbol

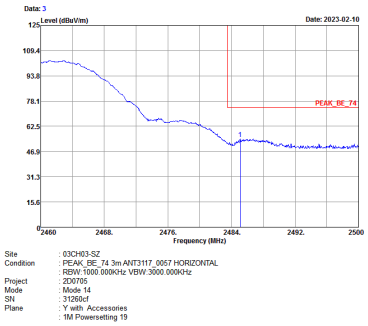
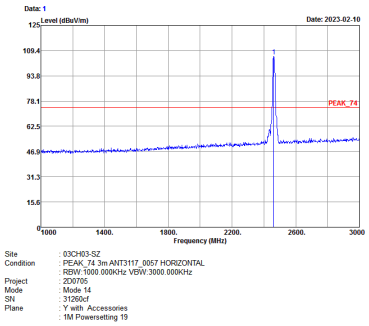
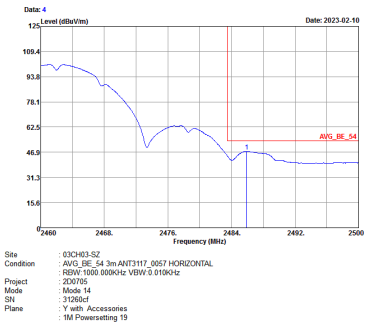
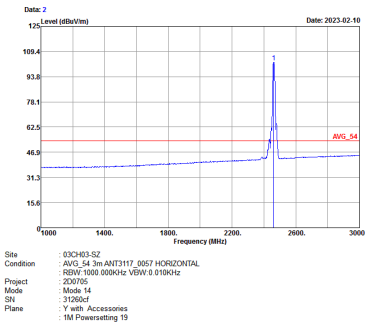
-L	**Low channel location**
-R	**High channel location**

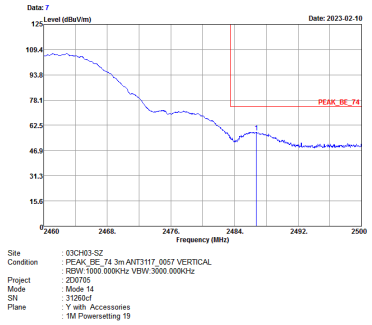
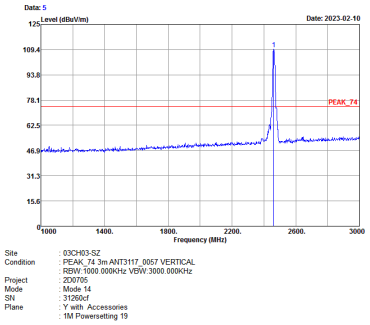
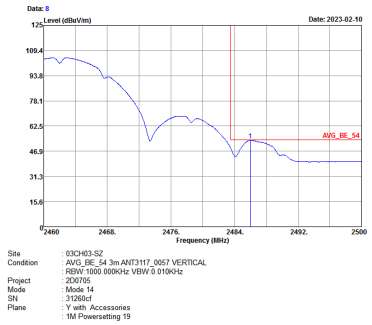
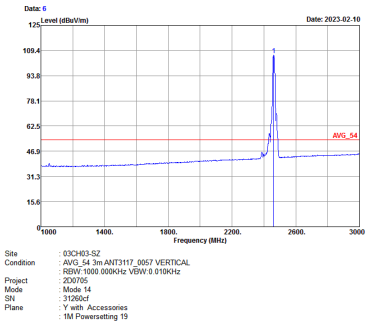
2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
5+6	Horizontal	Fundamental
Peak		
Avg.		

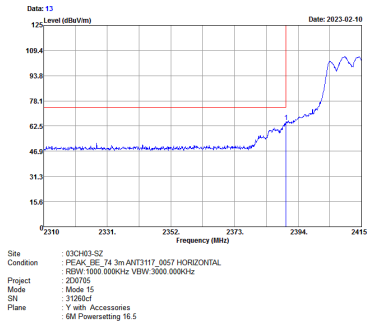
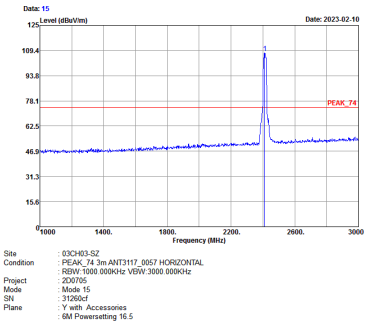
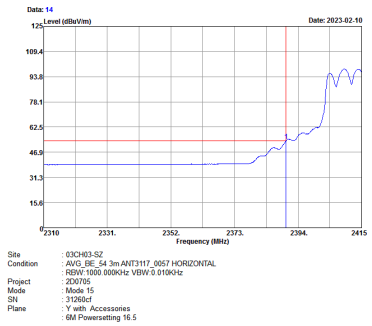
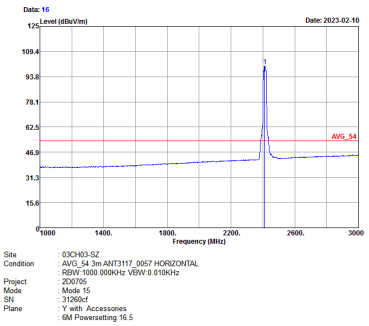
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
5+6	Vertical	Fundamental
Peak		
Avg.		

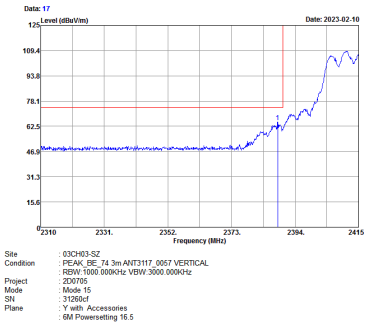
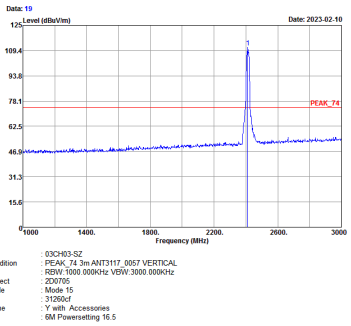
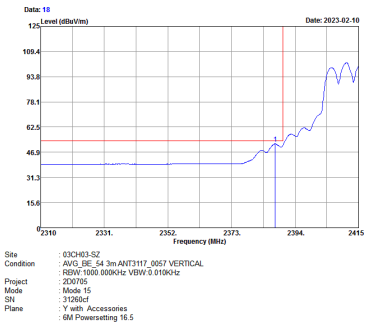
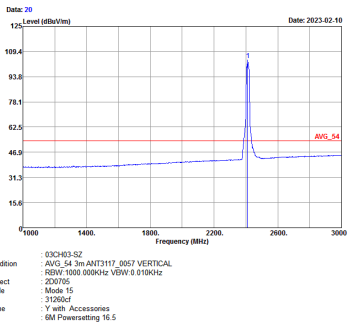
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
5+6	Horizontal	Fundamental
Peak		
Avg.		

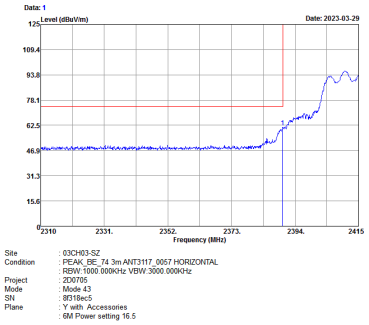
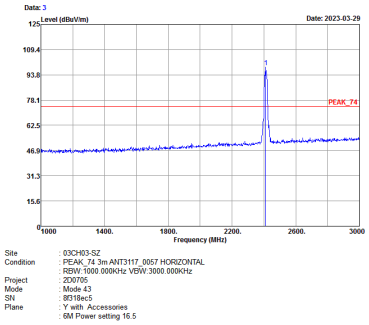
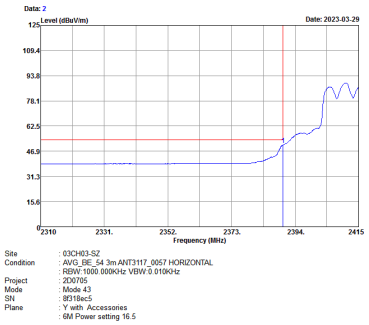
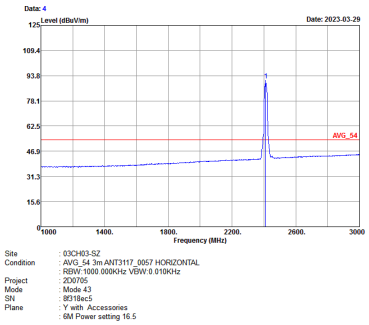
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
5+6	Vertical	Fundamental
Peak		
Avg.		

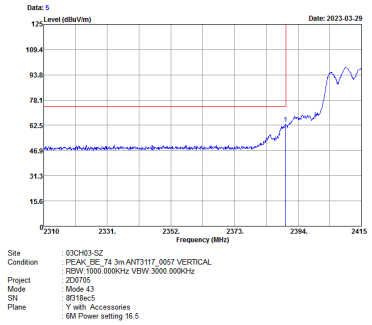
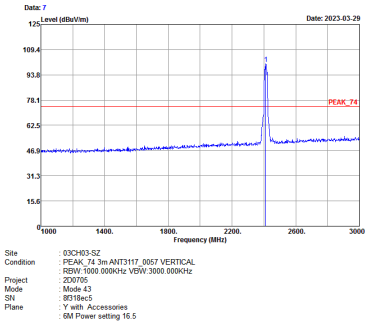
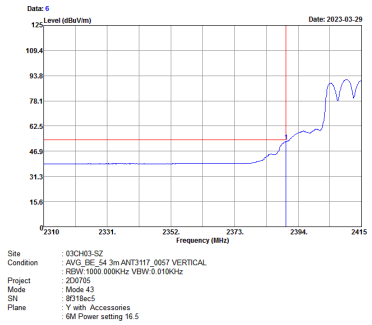
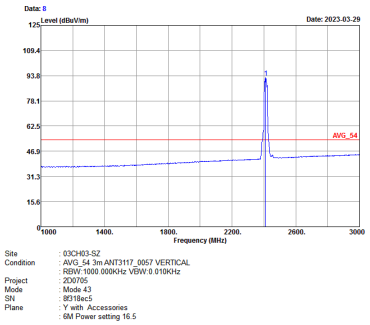
2.4GHz 2400~2483.5MHz

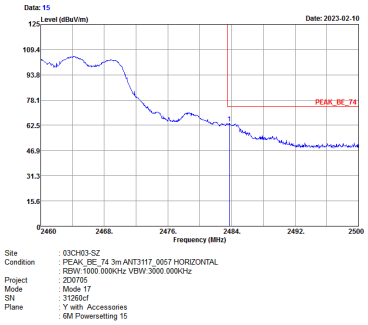
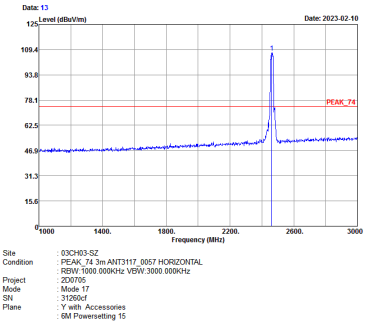
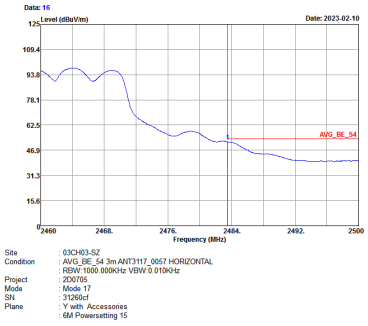
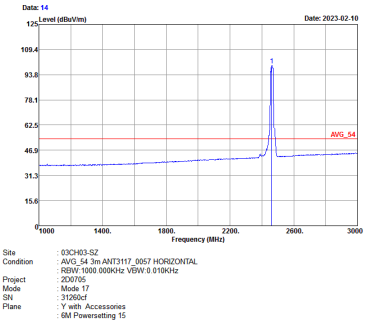
WIFI 802.11g (Band Edge @ 3m)

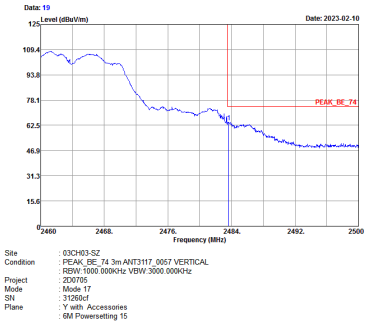
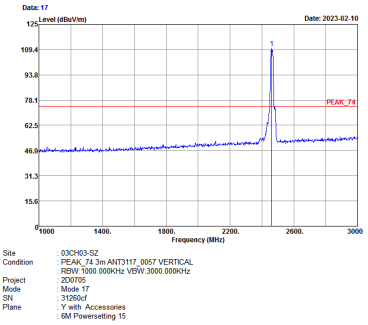
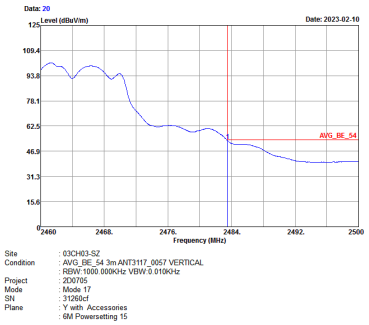
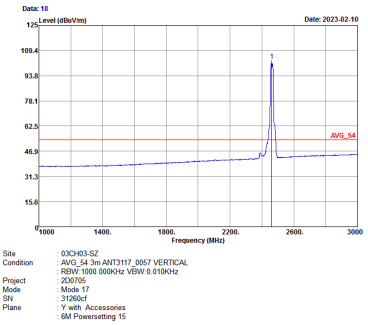
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
5+6	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
5+6	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz (sku3)	
5+6	Horizontal	Fundamental
Peak		
Avg.		

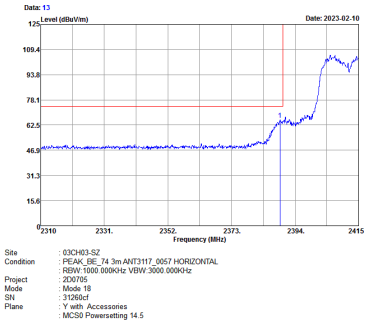
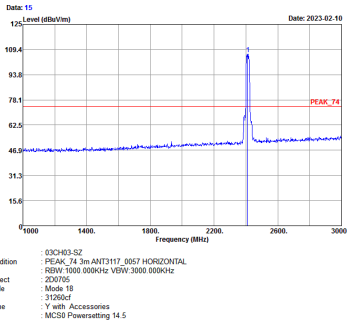
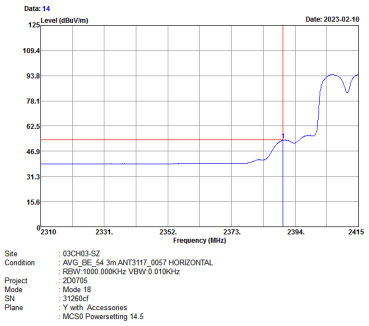
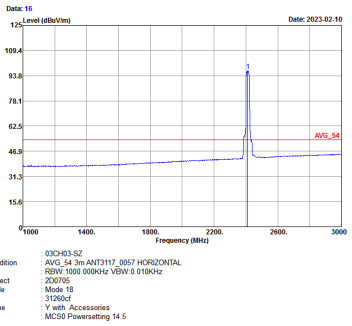
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
5+6	Vertical	Fundamental
Peak		
Avg.		

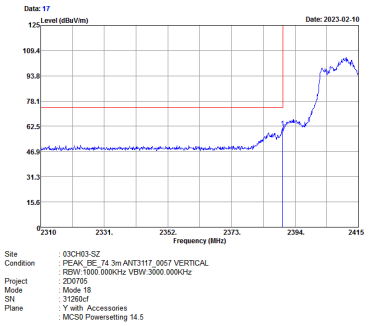
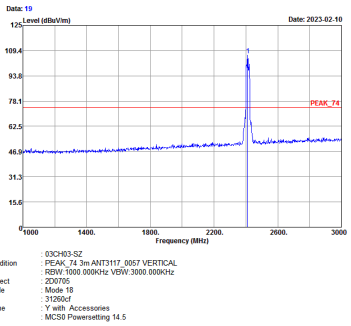
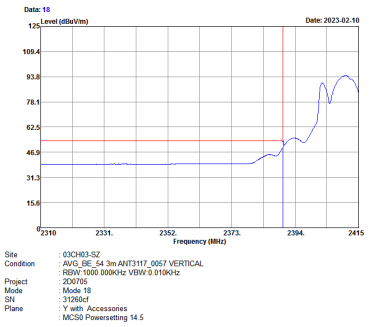
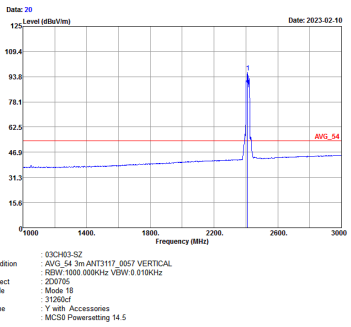
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
5+6	Horizontal	Fundamental
Peak		
Avg.		

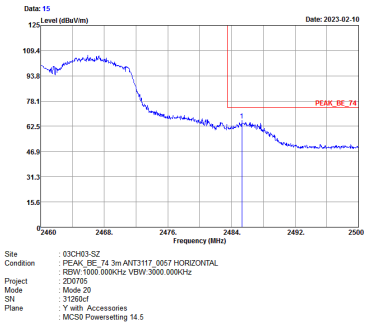
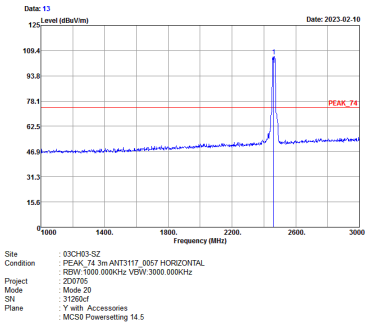
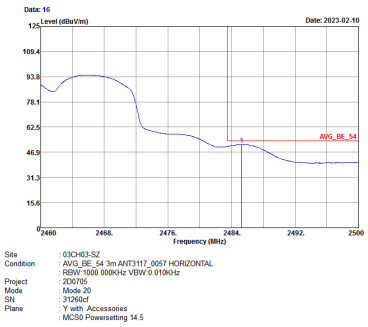
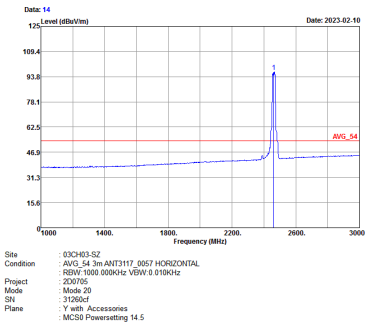
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
5+6	Vertical	Fundamental
Peak		
Avg.		

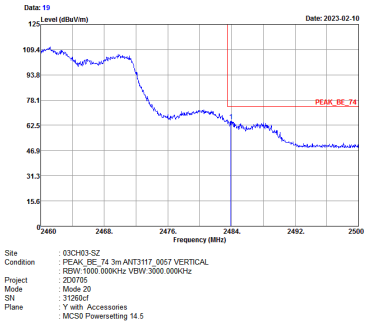
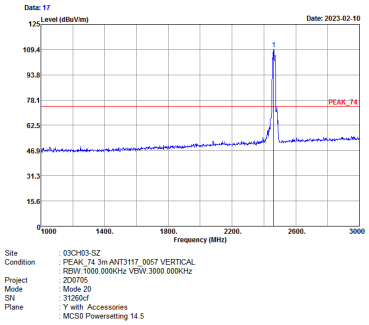
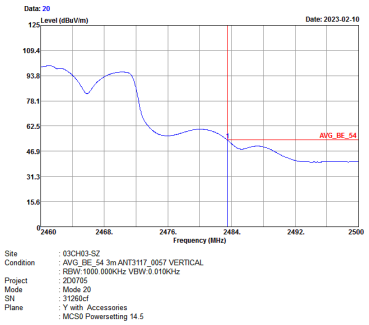
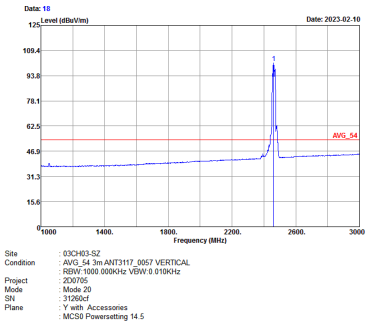
2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
5+6	Horizontal	Fundamental
Peak		
Avg.		

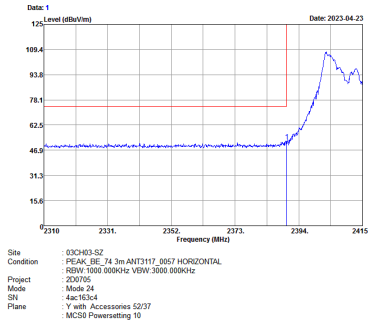
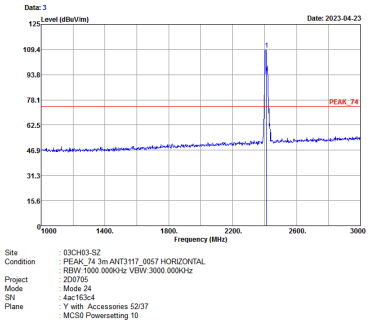
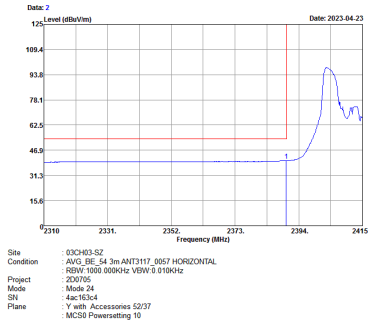
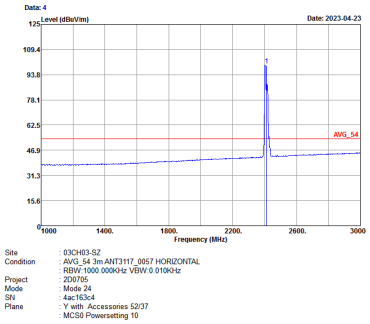
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
5+6	Vertical	Fundamental
Peak		
Avg.		

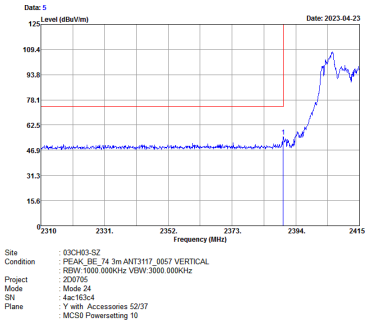
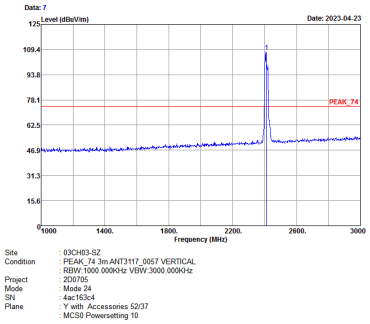
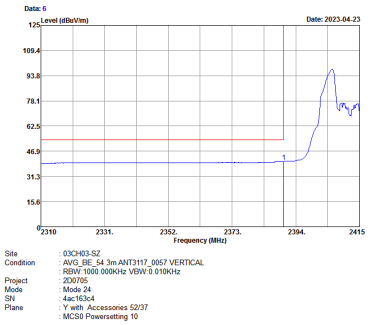
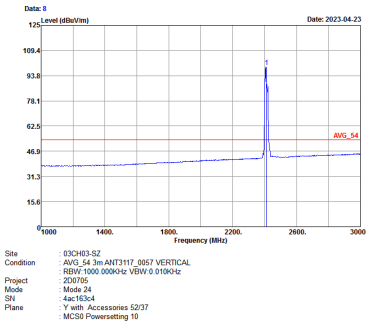
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
5+6	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
5+6	Vertical	Fundamental
Peak		
Avg.		

2.4GHz 2400~2483.5MHz

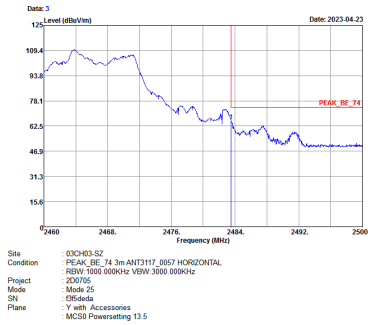
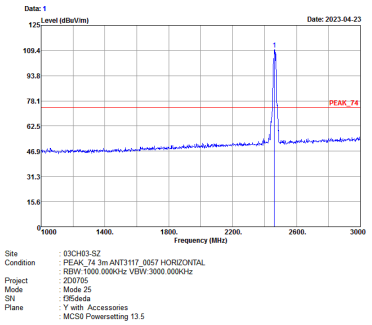
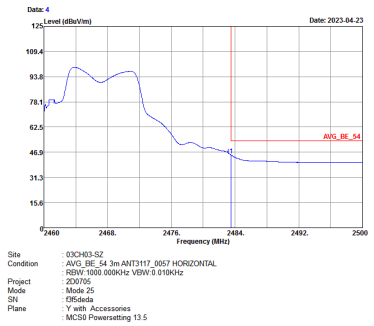
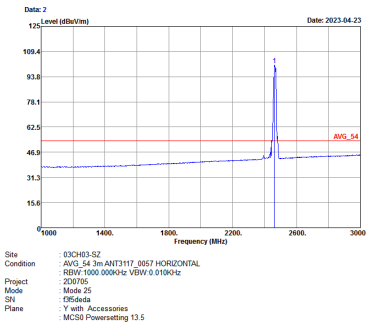
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

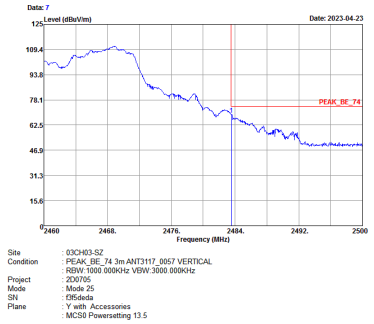
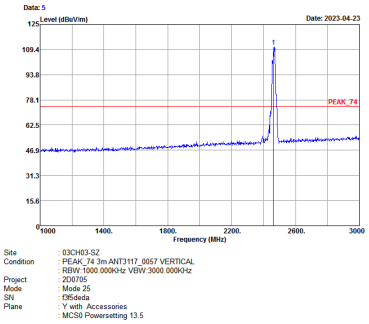
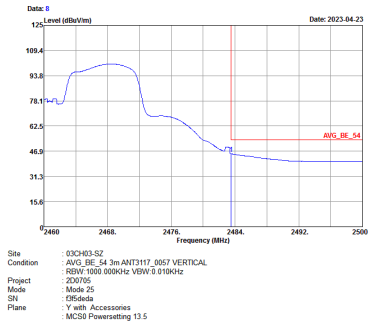
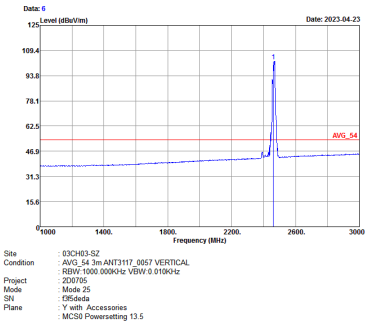
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH01 2412MHz	
5+6	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH01 2412MHz	
5+6	Vertical	Fundamental
Peak		
Avg.		

2.4GHz 2400~2483.5MHz

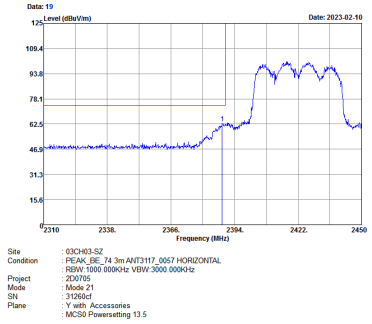
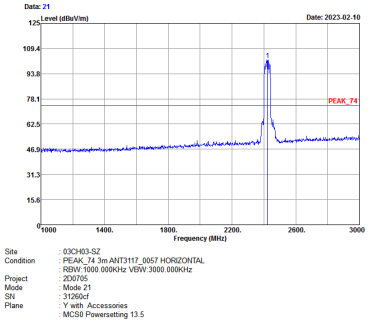
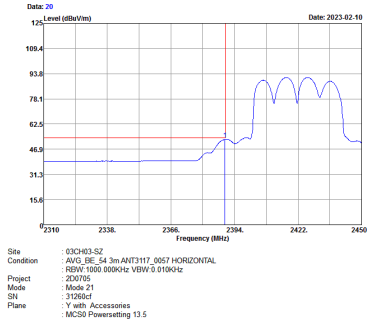
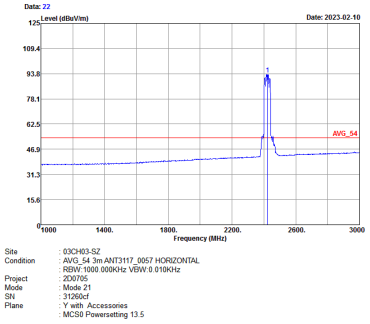
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

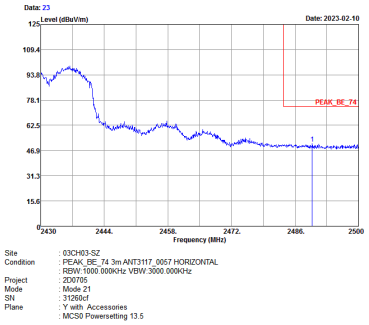
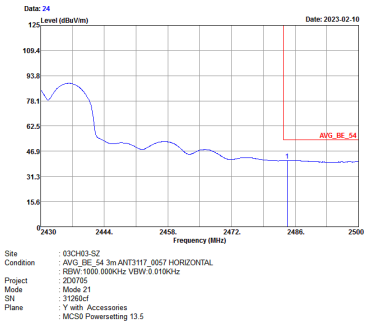
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH11 2462MHz	
5+6	Horizontal	Fundamental
Peak		
Avg.		

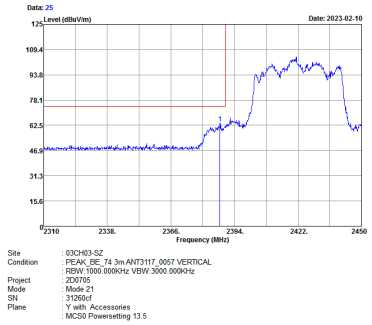
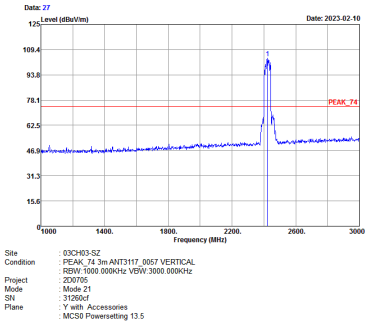
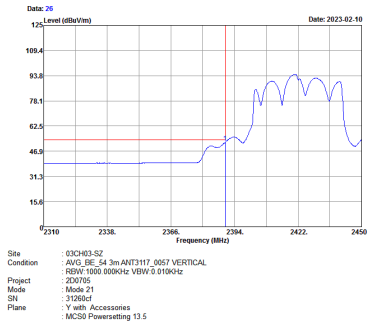
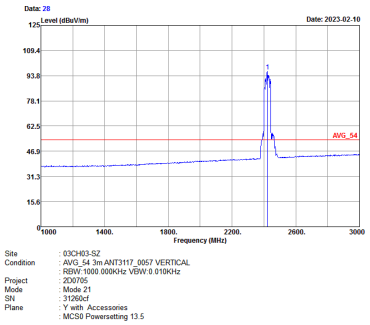
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH11 2462MHz	
5+6	Vertical	Fundamental
Peak		
Avg.		

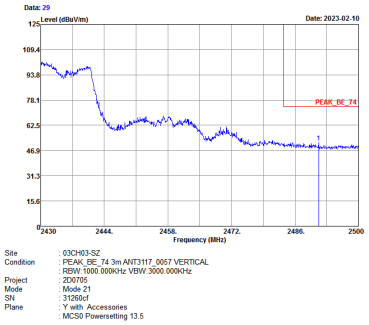
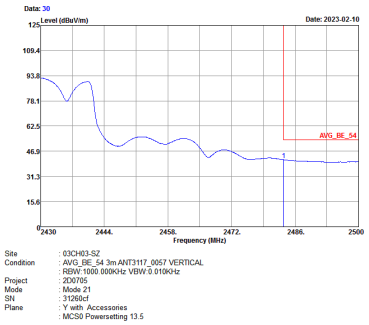
2.4GHz 2400~2483.5MHz

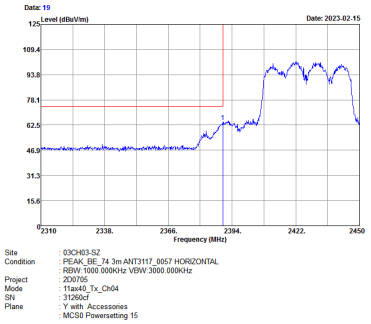
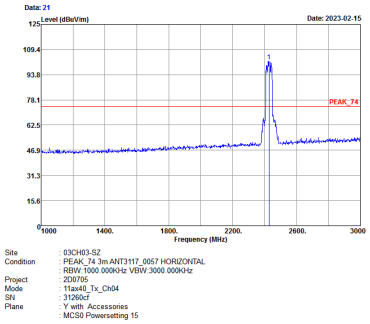
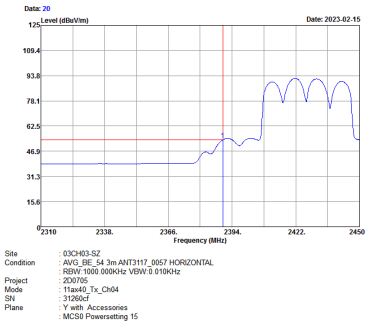
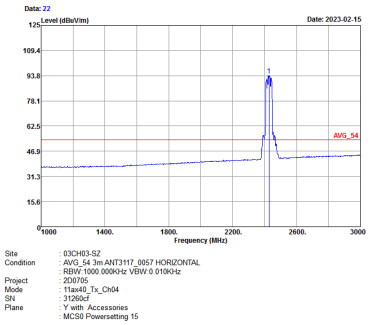
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

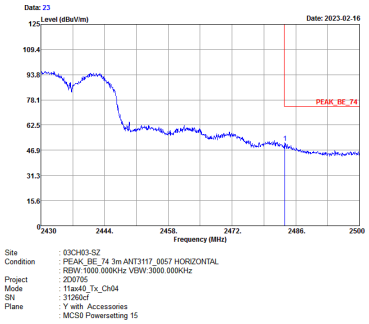
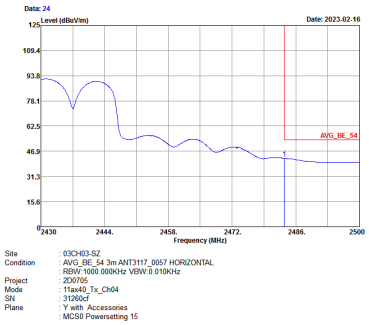
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
5+6	Horizontal	Fundamental
Peak		
Avg.		

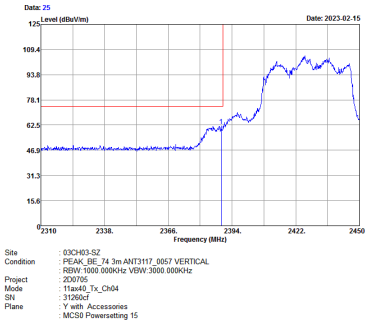
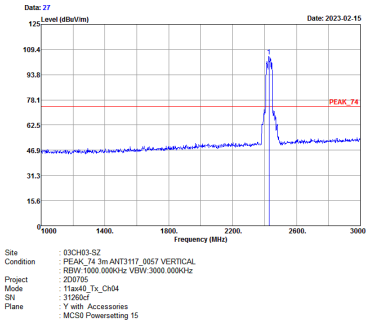
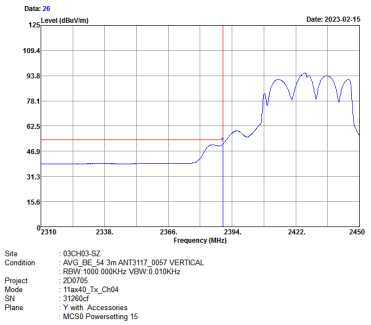
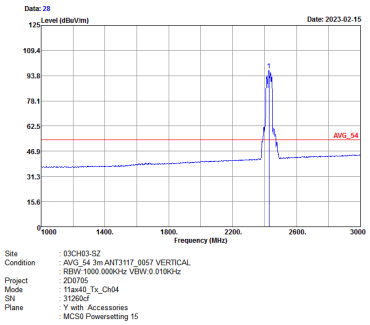
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
5+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

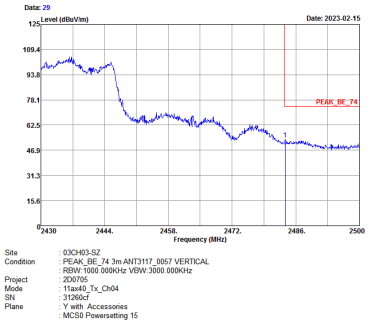
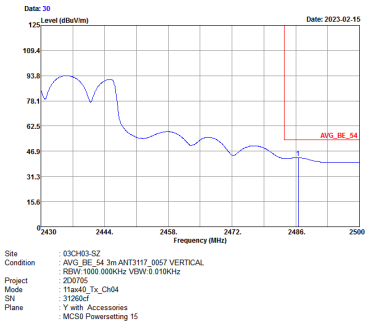
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
5+6	Vertical	Fundamental
Peak		
Avg.		

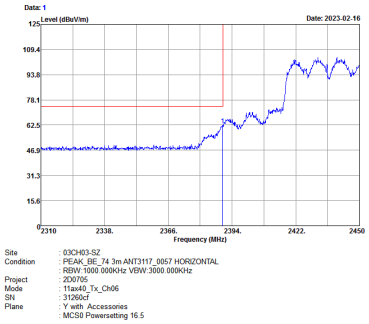
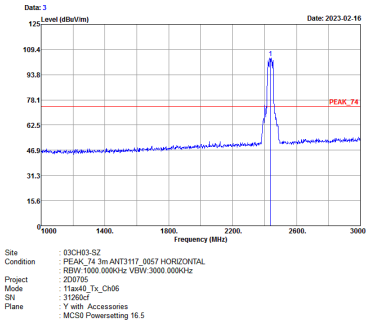
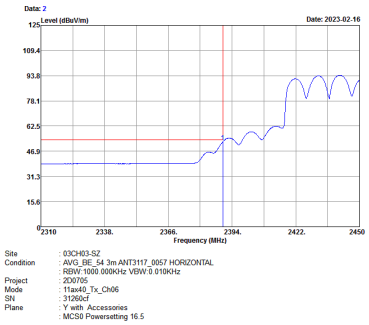
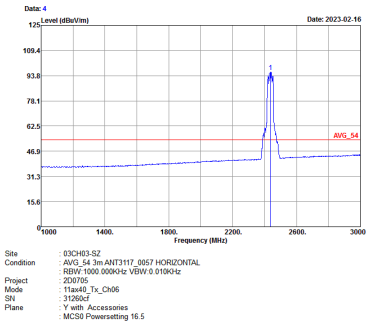
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
5+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

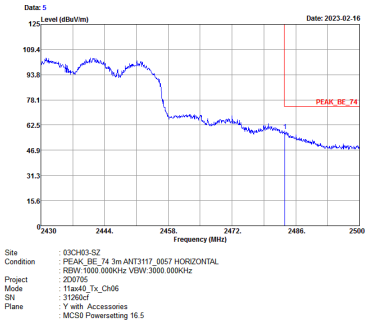
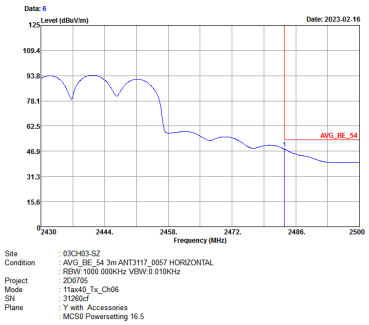
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH04 2427MHz - L	
5+6	Horizontal	Fundamental
Peak		
Avg.		

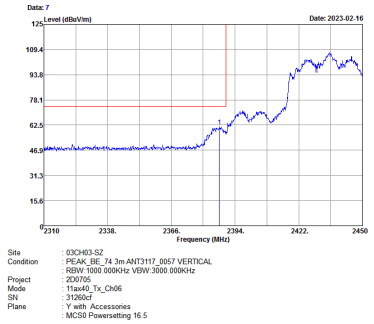
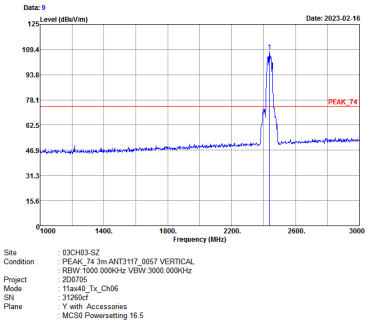
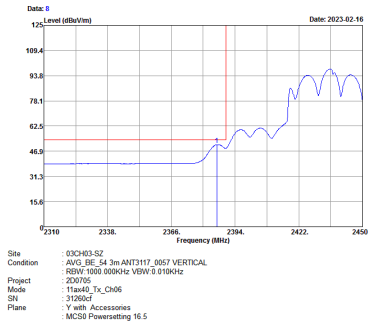
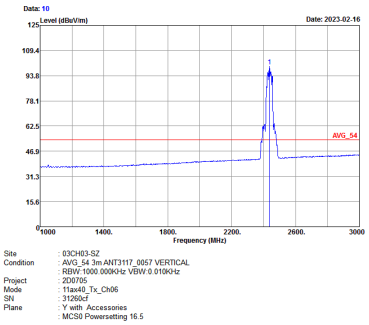
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH04 2427MHz - R	
5+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

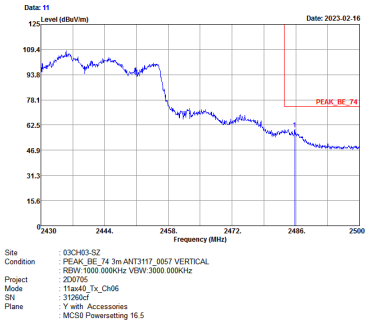
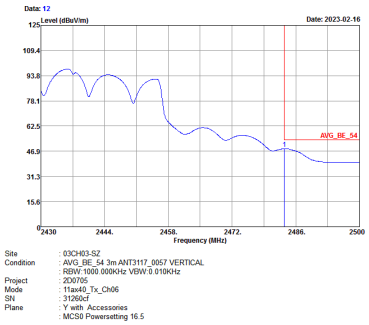
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH04 2427MHz - L	
5+6	Vertical	Fundamental
Peak		
Avg.		

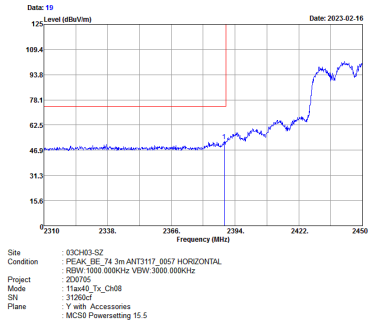
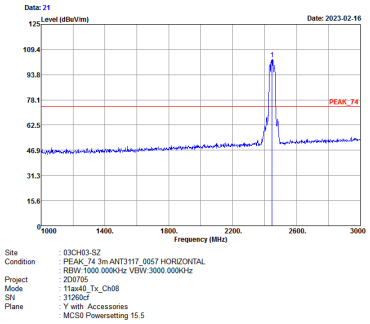
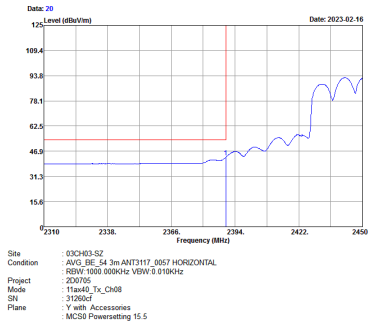
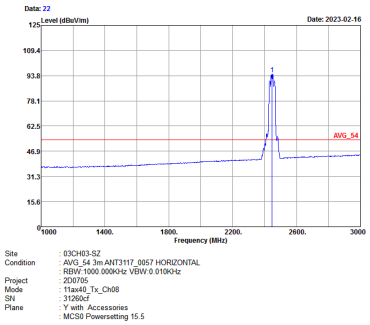
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH04 2427MHz - R	
5+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

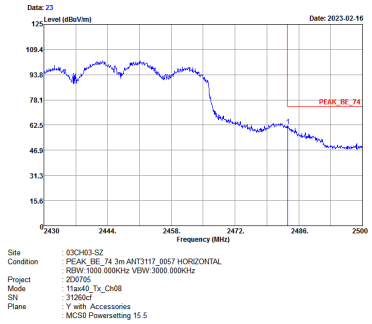
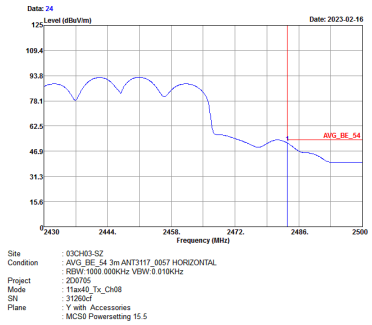
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
5+6	Horizontal	Fundamental
Peak		
Avg.		

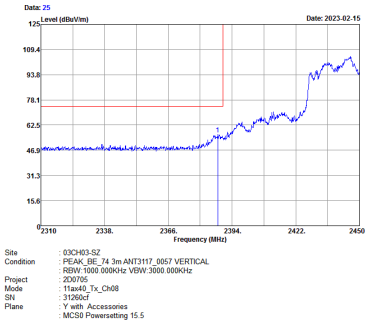
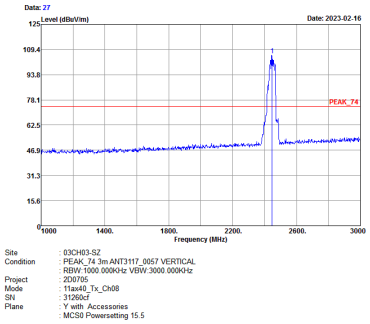
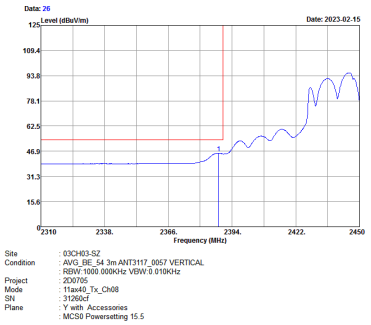
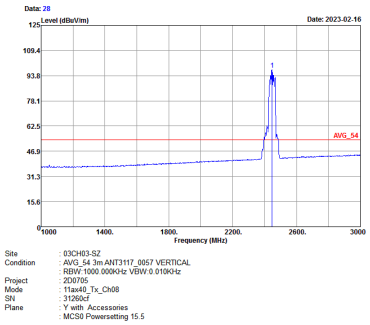
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
5+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

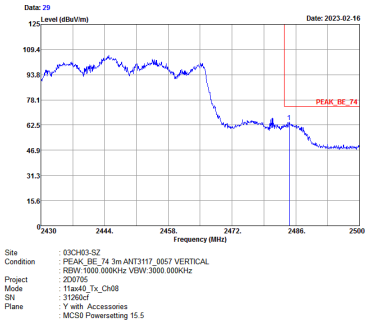
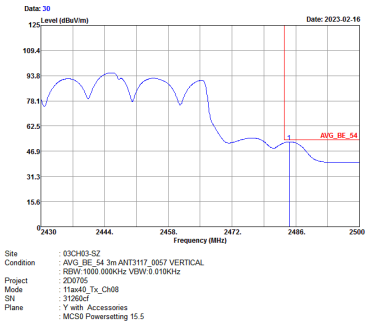
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
5+6	Vertical	Fundamental
Peak		
Avg.		

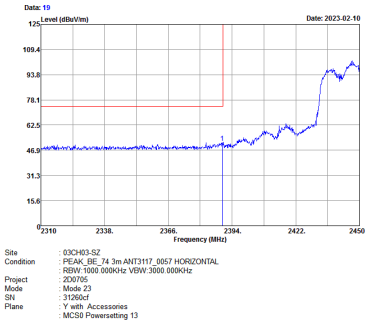
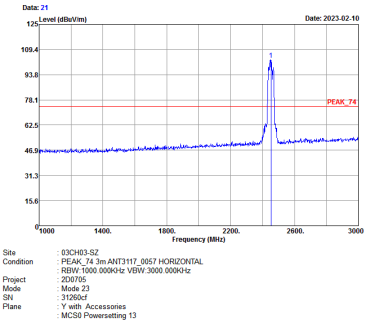
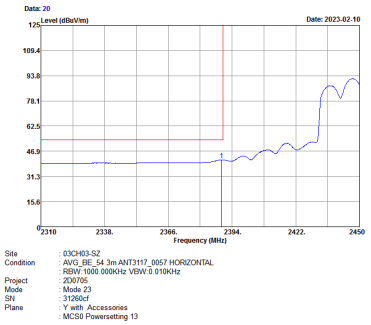
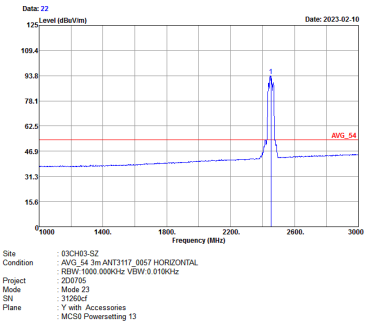
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
5+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

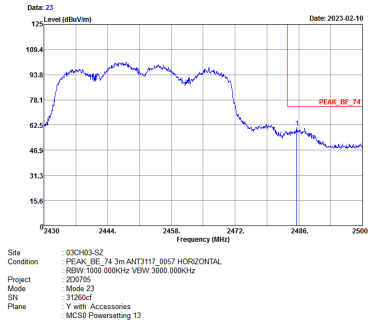
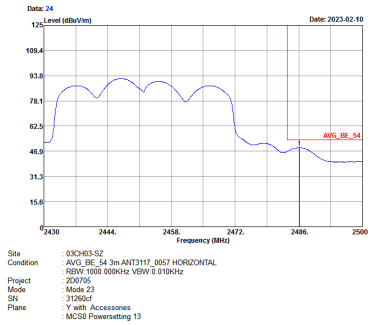
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH08 2447MHz - L	
5+6	Horizontal	Fundamental
Peak		
Avg.		

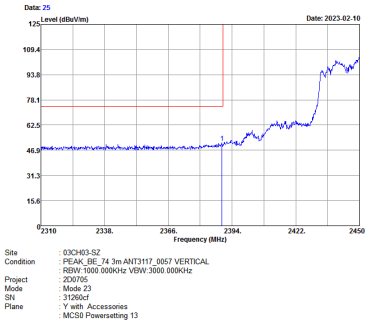
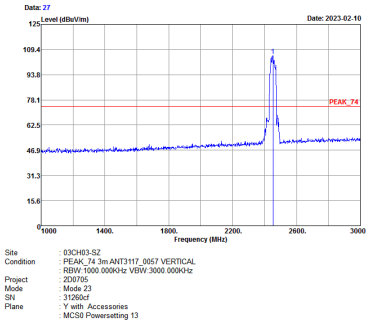
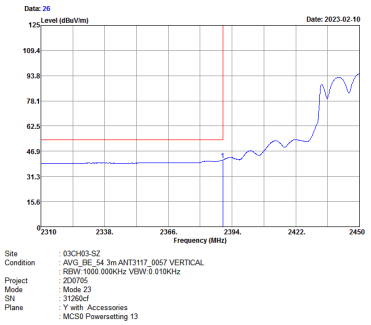
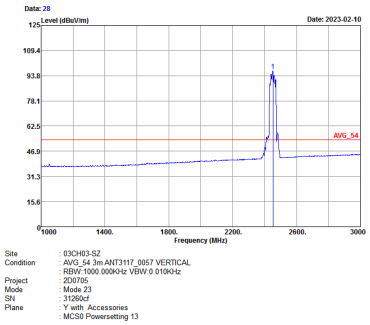
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH08 2447MHz - R	
5+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

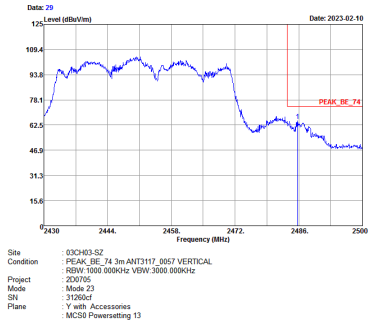
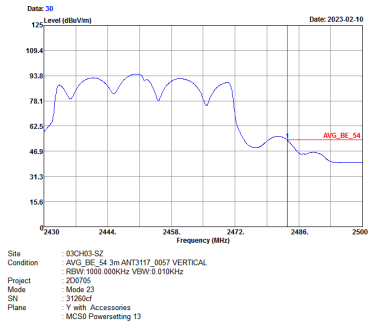
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH08 2447MHz - L	
5+6	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH08 2447MHz - R	
5+6	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	
5+6	Horizontal	Fundamental
Peak		
Avg.		

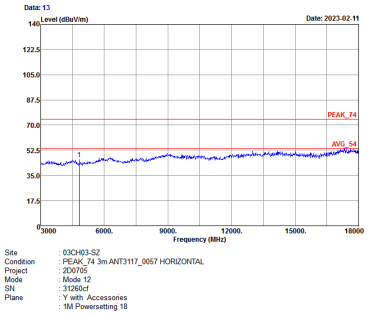
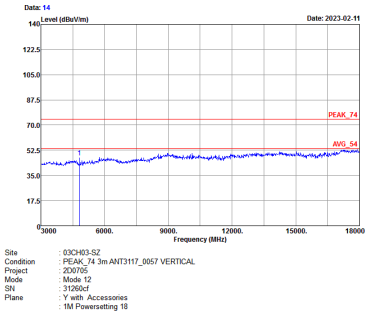
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - R	
5+6	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

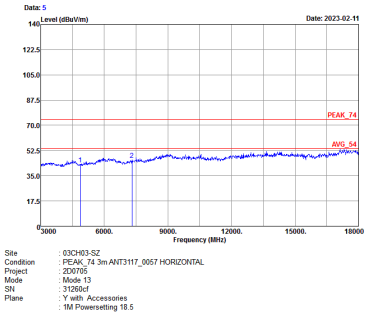
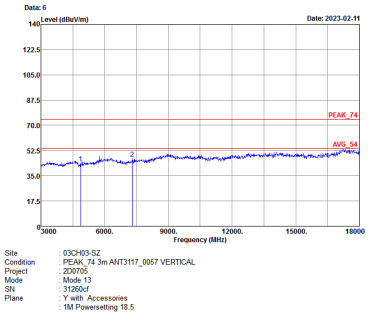
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - L	
5+6	Vertical	Fundamental
Peak		
Avg.		

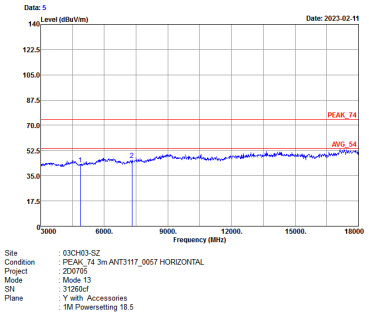
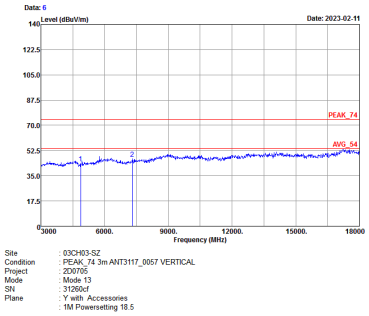
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - R	
5+6	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

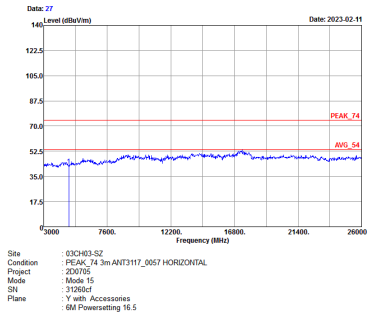
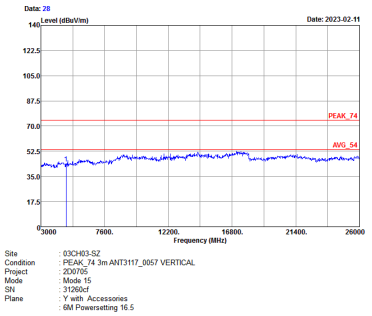
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
5+6	Horizontal	Vertical
Peak Avg.		

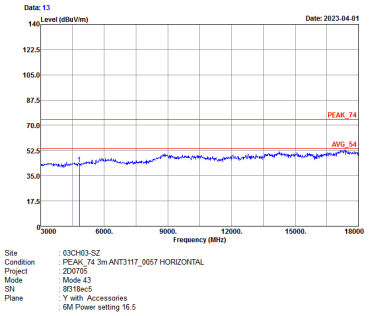
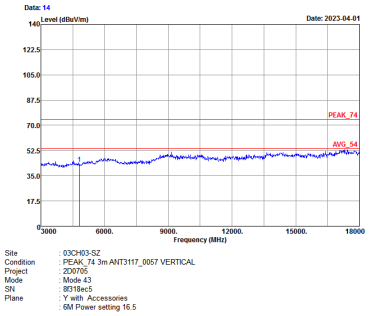
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
5+6	Horizontal	Vertical
Peak Avg.		

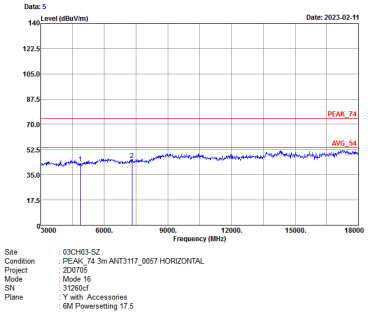
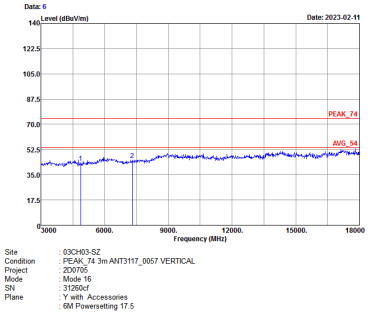
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
5+6	Horizontal	Vertical
Peak Avg.		

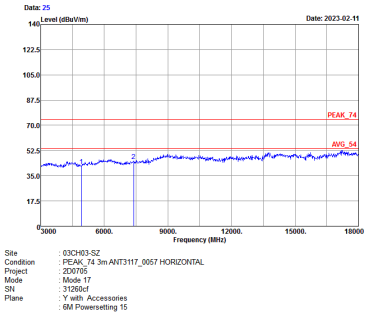
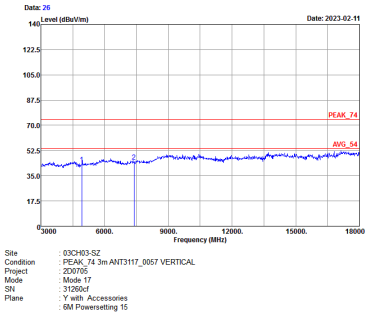
2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
5+6	Horizontal	Vertical
Peak Avg.		

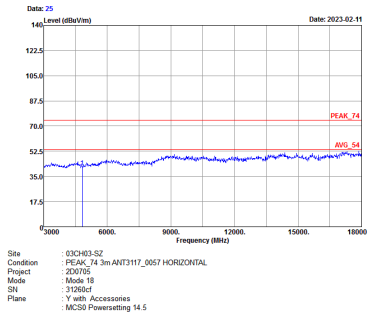
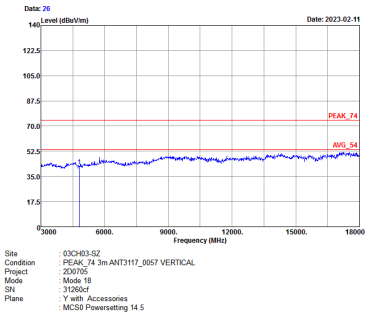
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz (sku3)	
5+6	Horizontal	Vertical
Peak Avg.		

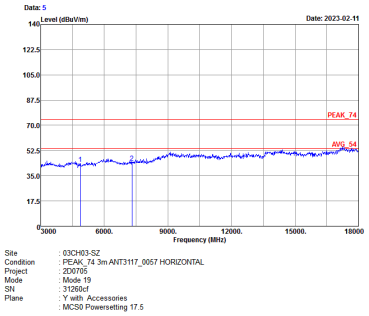
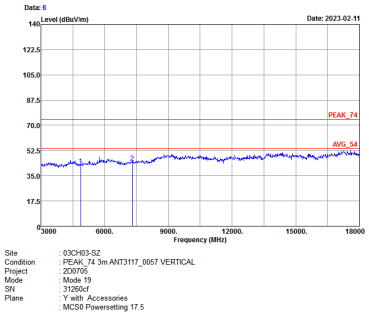
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
5+6	Horizontal	Vertical
Peak Avg.		

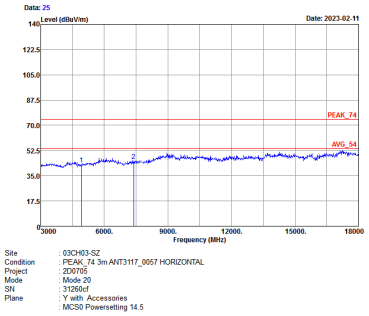
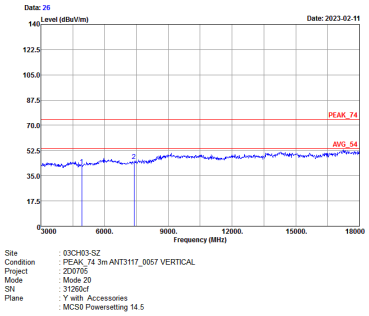
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
5+6	Horizontal	Vertical
Peak Avg.		

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

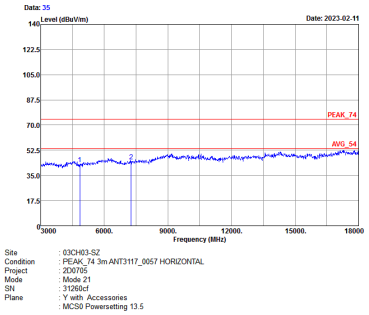
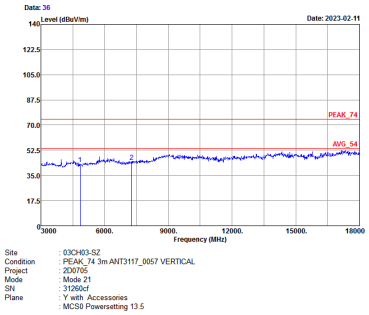
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH01 2412MHz	
5+6	Horizontal	Vertical
Peak Avg.		

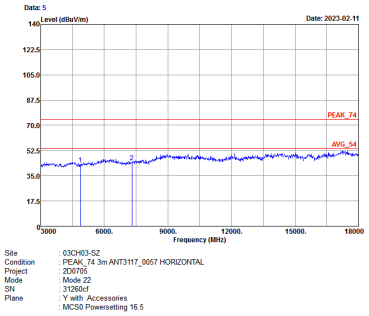
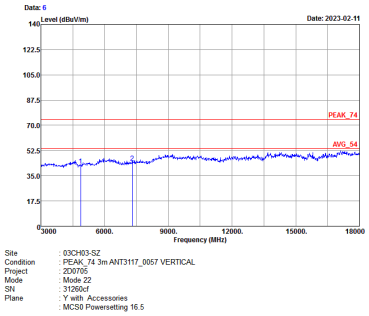
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH06 2437MHz	
5+6	Horizontal	Vertical
Peak Avg.		

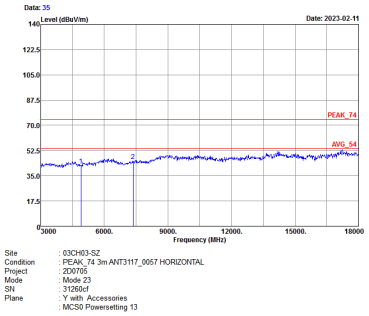
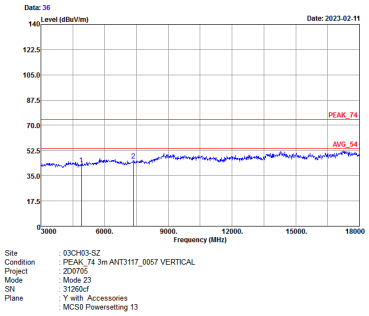
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH11 2462MHz	
5+6	Horizontal	Vertical
Peak Avg.		

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE40 Full (Harmonic @ 3m)

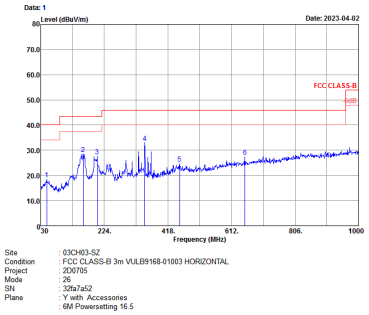
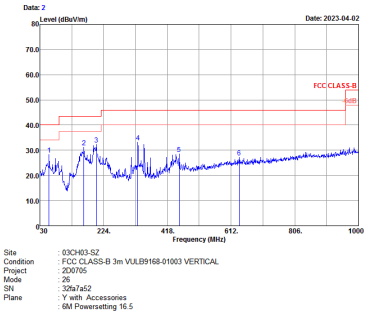
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE40 Full CH03 2422MHz	
5+6	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE40 Full CH06 2437MHz	
5+6	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE40 Full CH09 2452MHz	
5+6	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

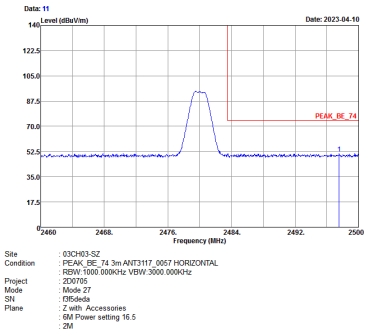
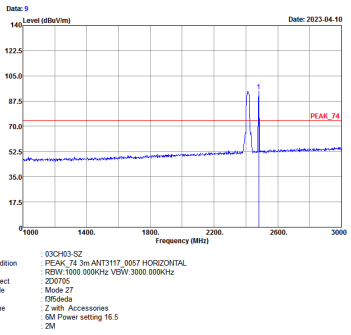
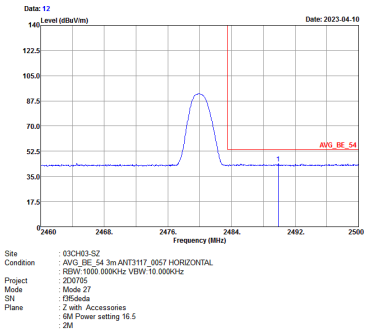
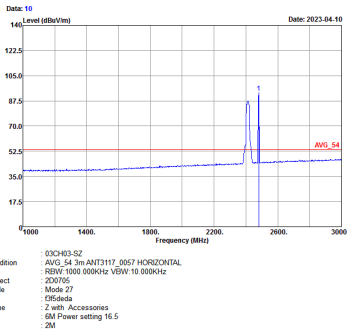
2.4GHz WIFI 802.11g (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g LF	
5+6	Horizontal	Vertical
QP / Peak		

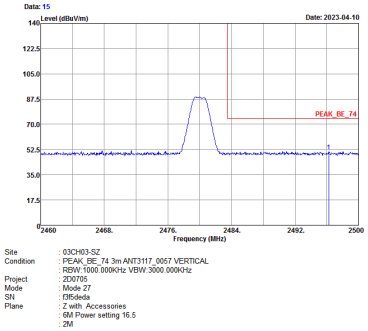
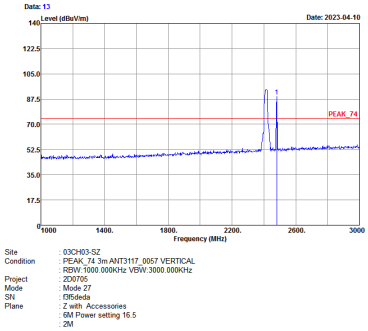
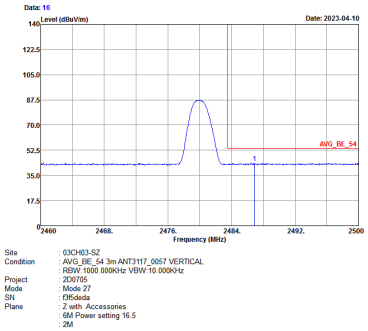
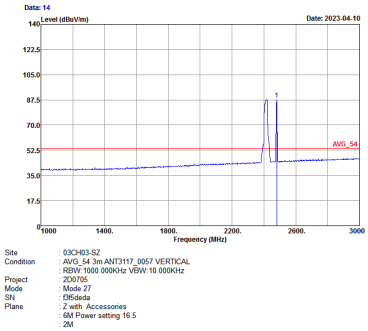
Co-location

BLE CH39 2480MHz & 11g CH01 2412MHz

BLE (Band Edge @ 3m)

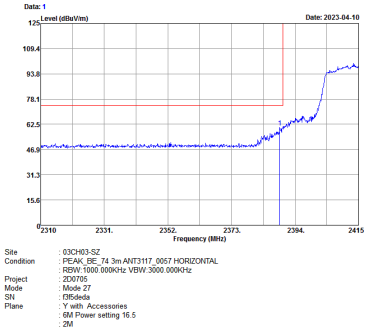
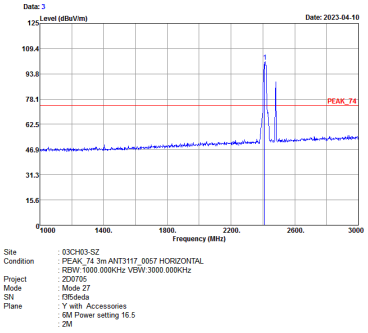
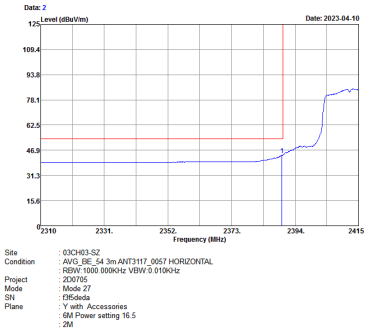
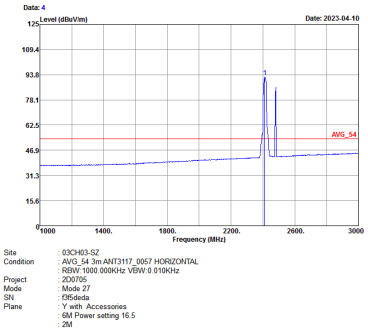
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz & 11g CH01 2412MHz Co-location	
6	Horizontal	Fundamental
Peak		
		

Note: the highest signals over limit are BLE + WLAN Co-location fundamental signals.

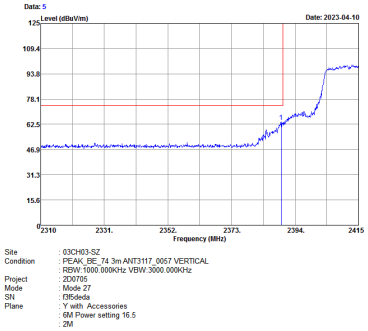
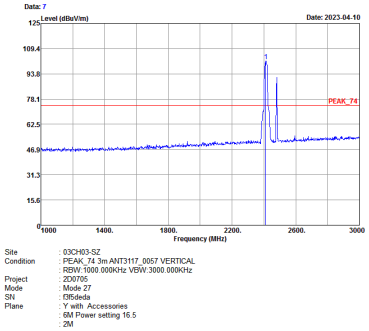
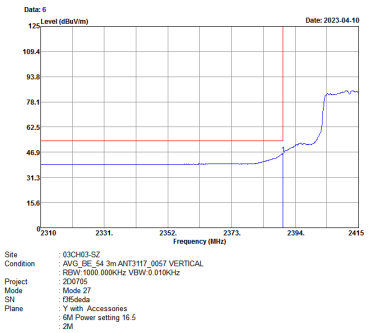
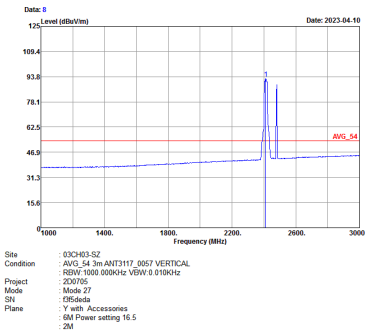
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz & 11g CH01 2412MHz Co-location	
6	Vertical	Fundamental
Peak		
Avg.		

Note: the highest signals over limit are BLE + WLAN Co-location fundamental signals.

WIFI 802.11g (Band Edge @ 3m)

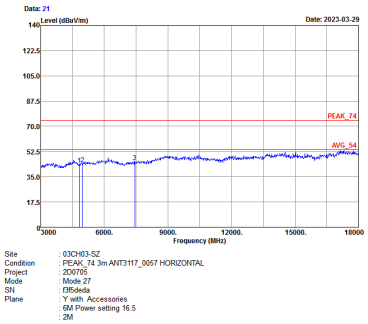
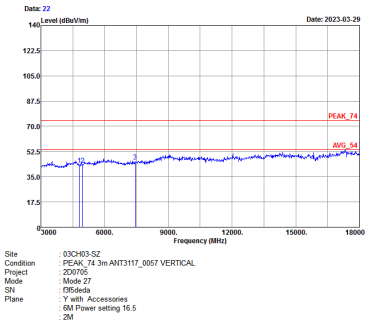
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz & 11g CH01 2412MHz Co-location	
5	Horizontal	Fundamental
Peak		
Avg.		

Note: the highest signals over limit are BLE + WLAN Co-location fundamental signals.

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz & 11g CH01 2412MHz Co-location	
5	Vertical	Fundamental
Peak		
Avg.		

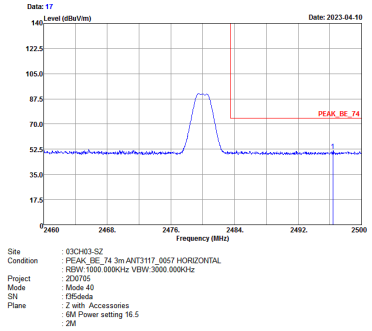
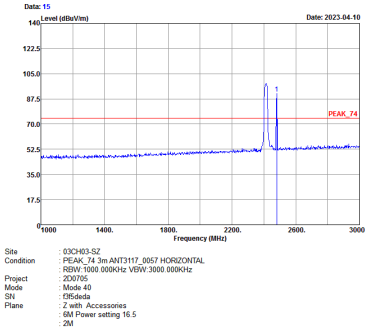
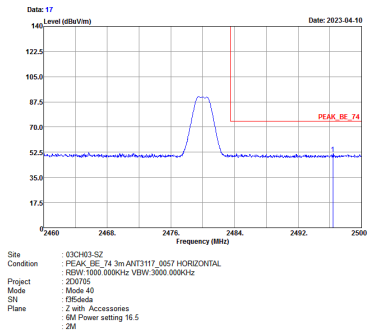
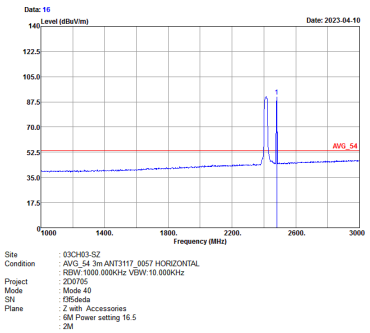
Note: the highest signals over limit are BLE + WLAN Co-location fundamental signals.

(Harmonic @ 3m)

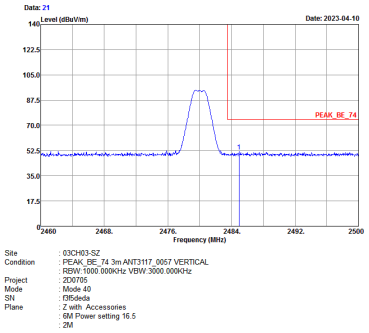
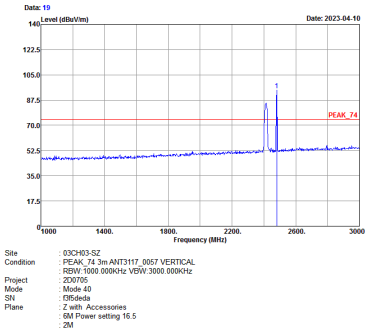
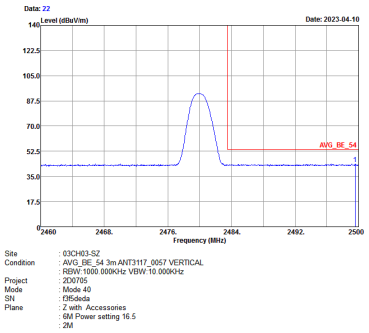
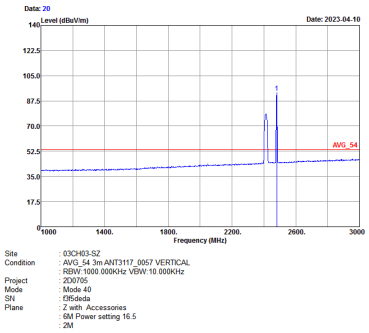
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH39 2480MHz & 11g CH01 2412MHz Co-location	
6+5	Horizontal	Vertical
Peak		

BLE CH39 2480MHz & 11g CH01 2412MHz

BLE (Band Edge @ 3m)

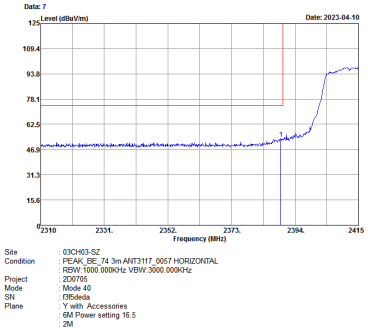
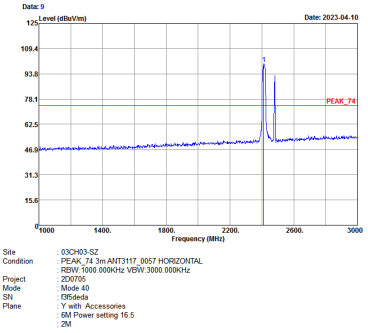
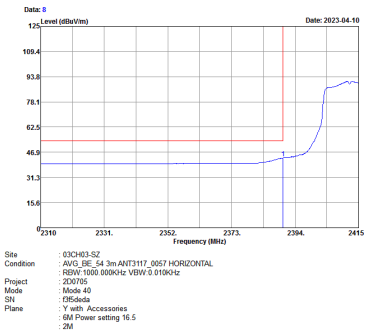
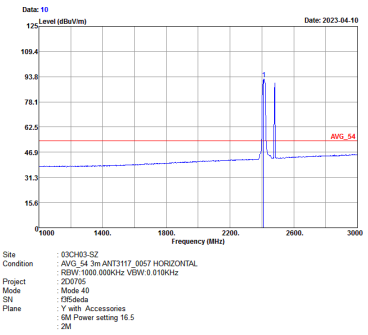
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz & 11g CH01 2412MHz Co-location	
5	Horizontal	Fundamental
Peak		
		

Note: the highest signals over limit are BLE + WLAN Co-location fundamental signals.

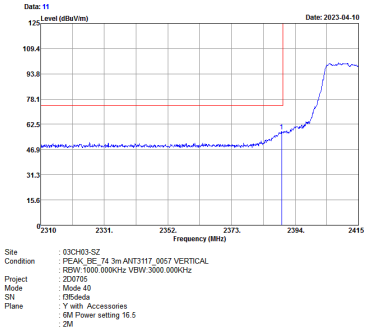
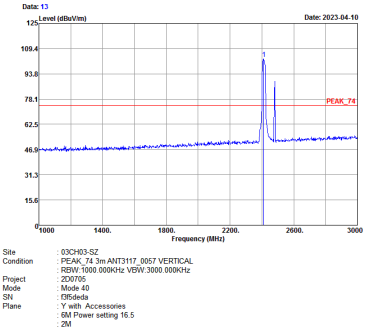
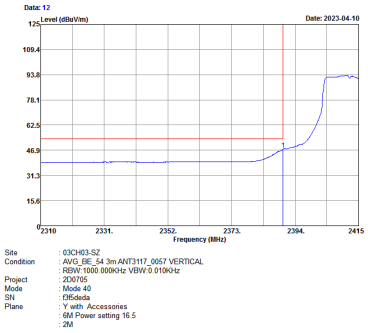
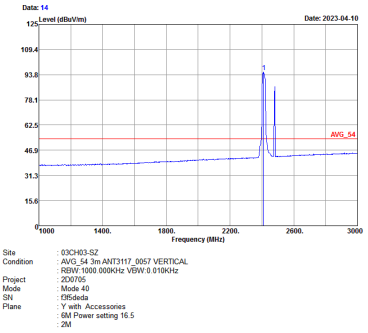
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz & 11g CH01 2412MHz Co-location	
5	Vertical	Fundamental
Peak		
Avg.		

Note: the highest signals over limit are BLE + WLAN Co-location fundamental signals.

WIFI 802.11g (Band Edge @ 3m)

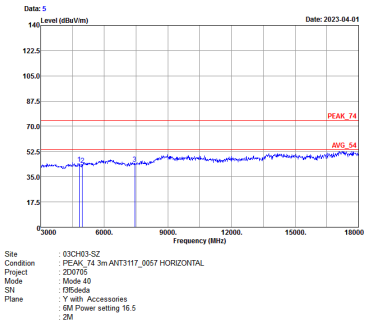
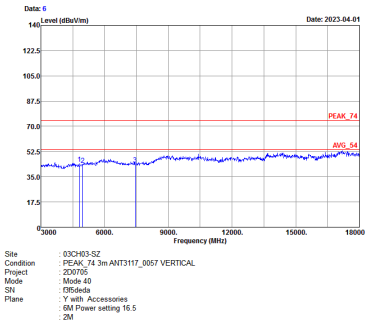
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz & 11g CH01 2412MHz Co-location	
6	Horizontal	Fundamental
Peak		
Avg.		

Note: the highest signals over limit are BLE + WLAN Co-location fundamental signals.

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz & 11g CH01 2412MHz Co-location	
6	Vertical	Fundamental
Peak		
Avg.		

Note: the highest signals over limit are BLE + WLAN Co-location fundamental signals.

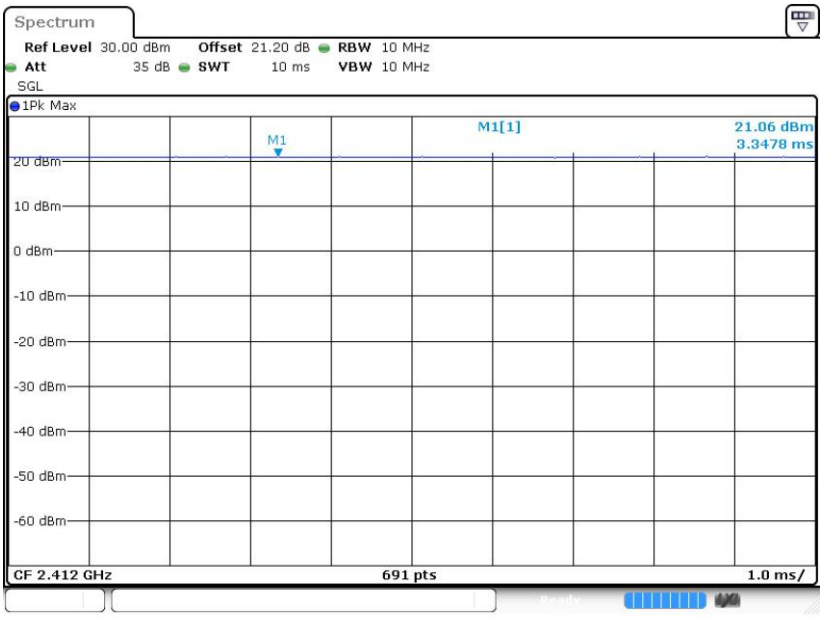
(Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH39 2480MHz & 11g CH01 2412MHz Co-location	
6+5	Horizontal	Vertical
Peak		

Appendix E. Duty Cycle Plots

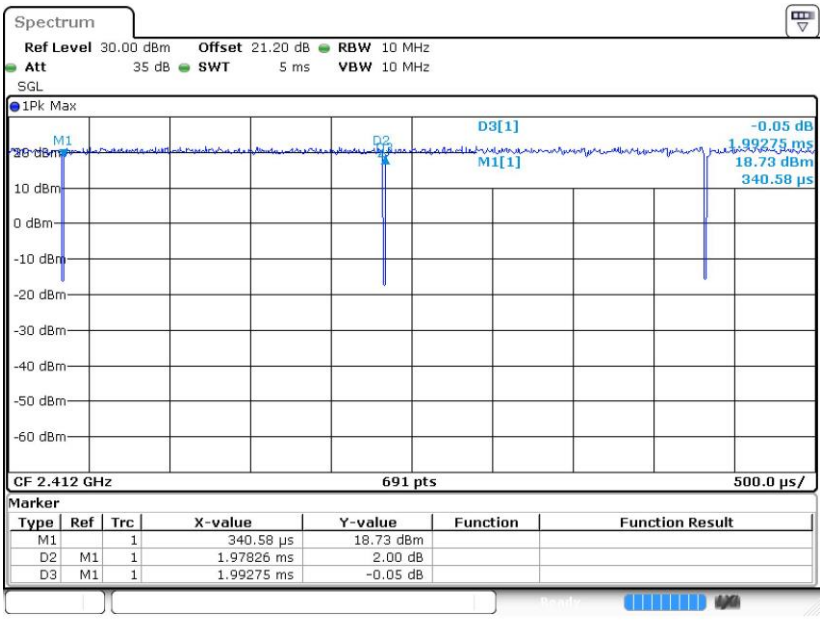
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11b	100	-	-	10Hz
802.11g	99.27	-	-	10Hz
802.11ax HE20	100	-	-	10Hz
802.11ax HE40	100	-	-	10Hz

802.11b



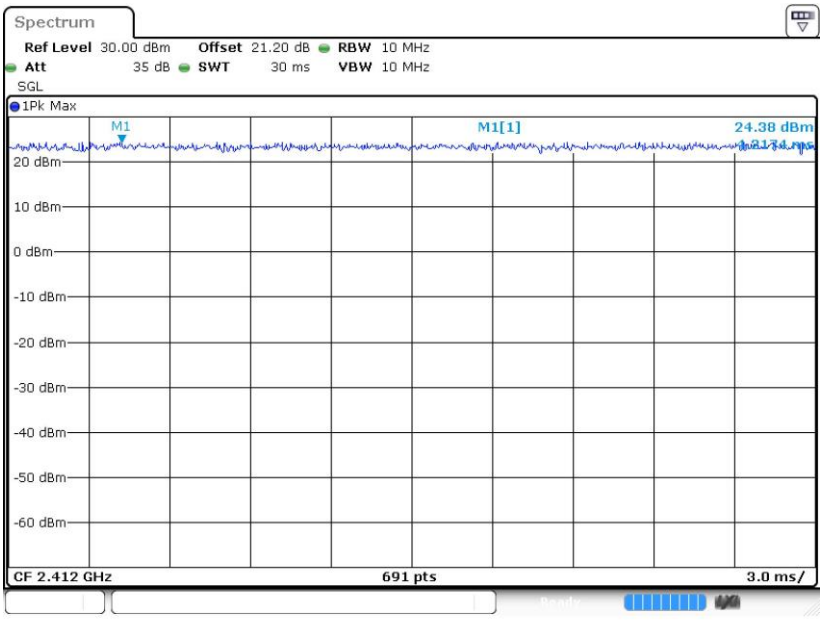
Date: 7.FEB.2023 16:50:34

802.11g



Date: 7.FEB.2023 16:53:04

802.11ax HE20



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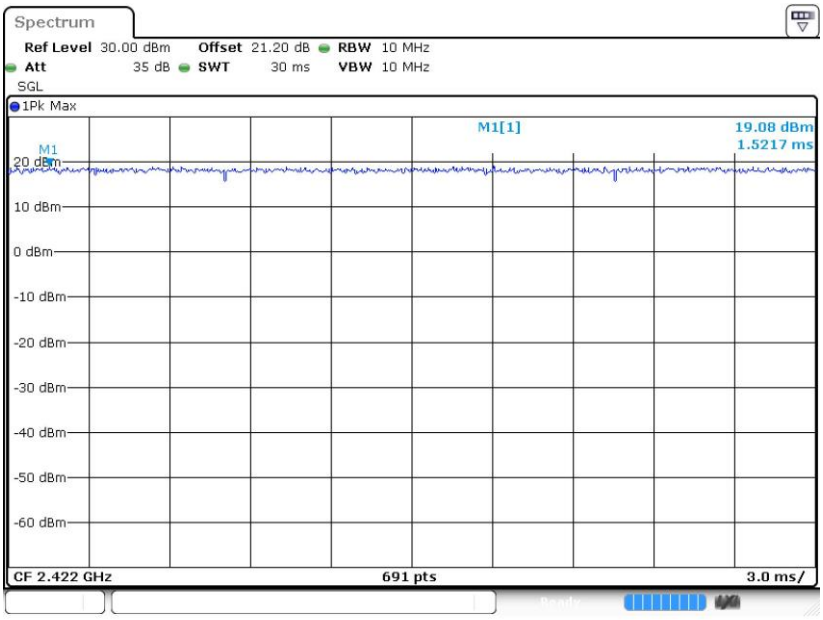

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