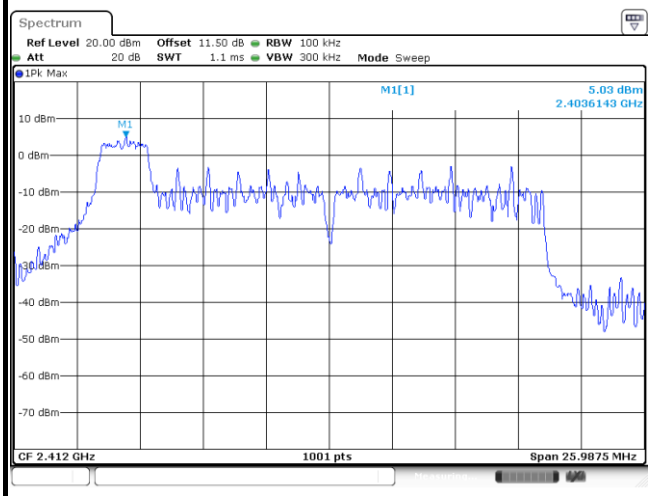
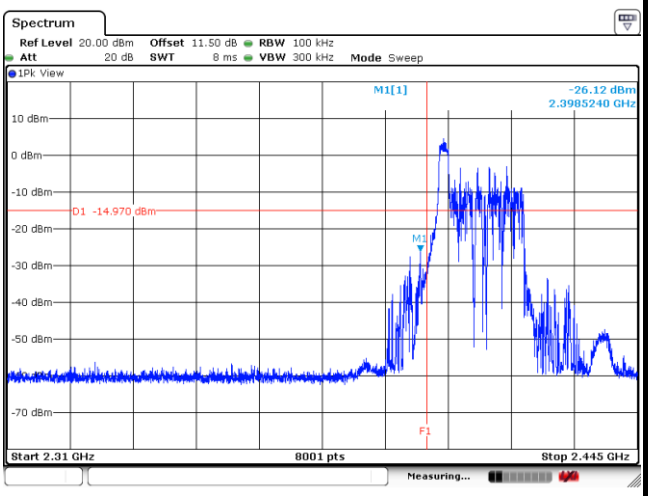
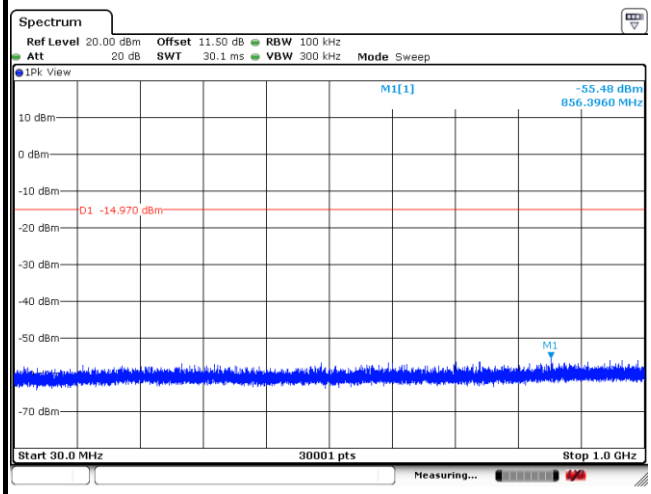
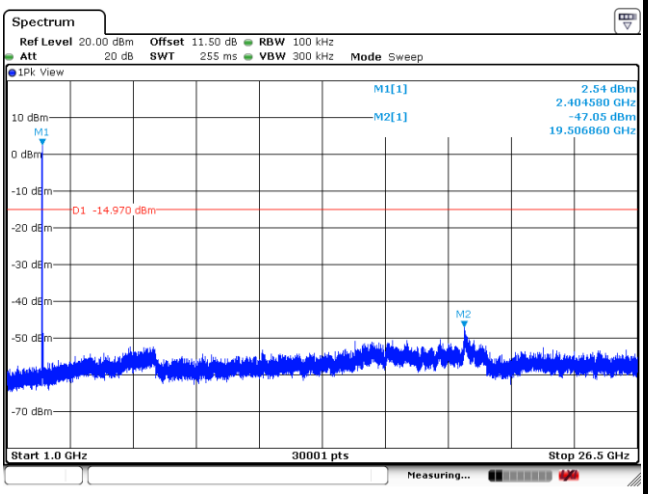
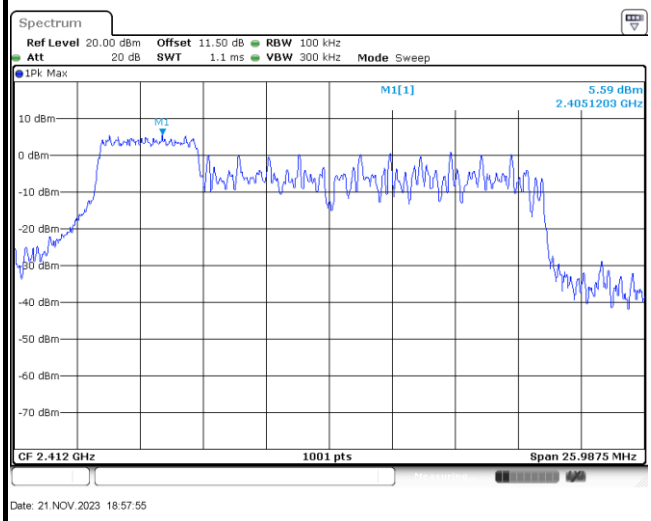
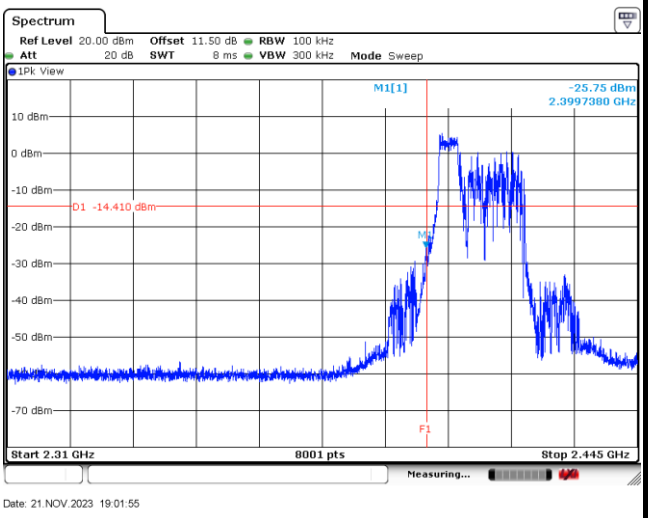
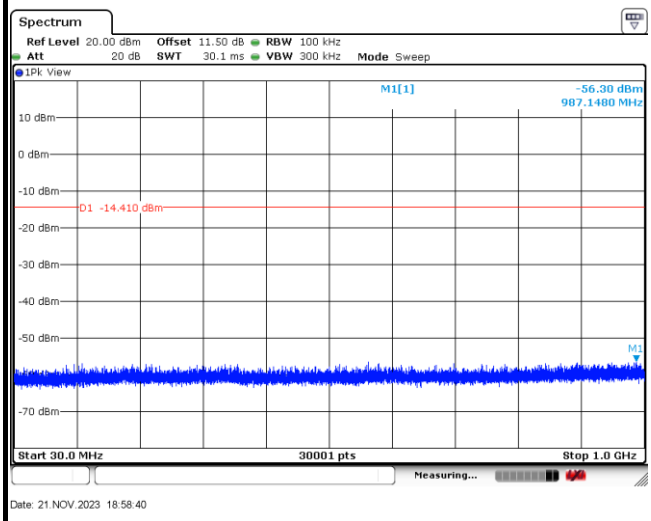
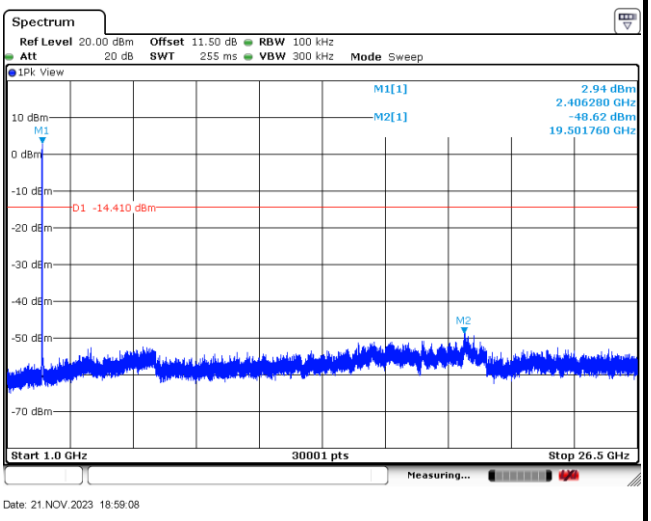
Test Mode :	802.11ax HE20 26RU0	Test Channel :	01

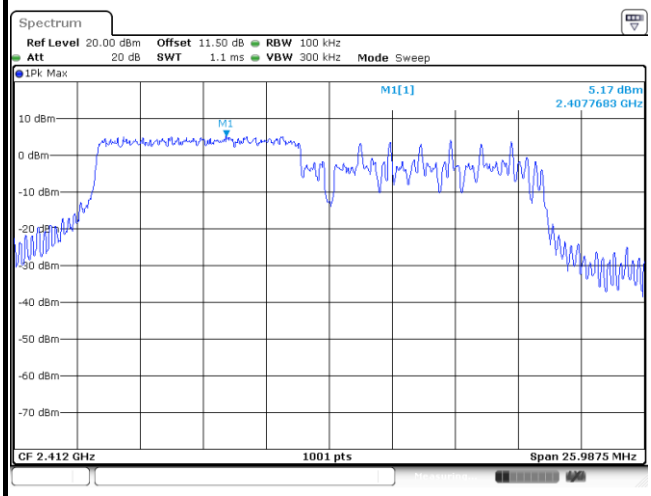
100kHz PSD reference Level	Channel Plot
	
Date: 21.NOV.2023 18:55:59	Date: 21.NOV.2023 18:56:49
Spurious Emission Plot-1	**Spurious Emission Plot-2**
	
Date: 21.NOV.2023 18:56:19	Date: 21.NOV.2023 18:56:35

Test Mode :	802.11ax HE20 52RU37	Test Channel :	01

100kHz PSD reference Level	Channel Plot
	
Spurious Emission Plot-1	Spurious Emission Plot-2
	

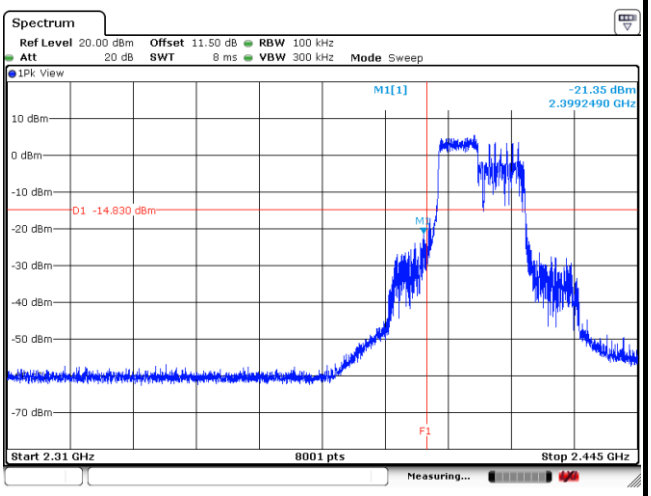
Test Mode :	802.11ax HE20 106RU53	Test Channel :	01

100kHz PSD reference Level



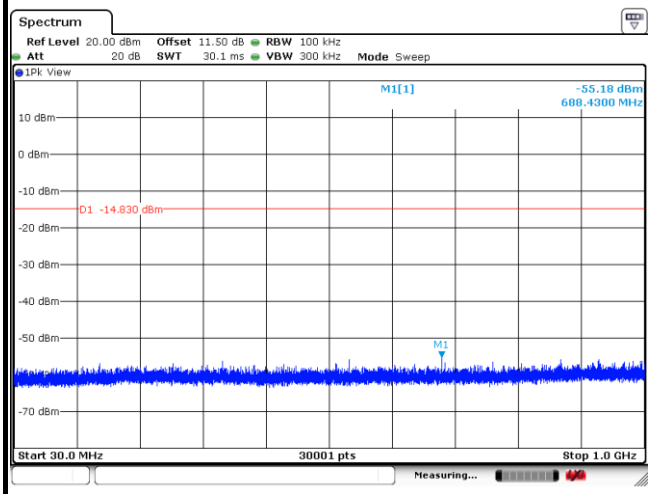
Date: 21.NOV.2023 19:10:44

Channel Plot



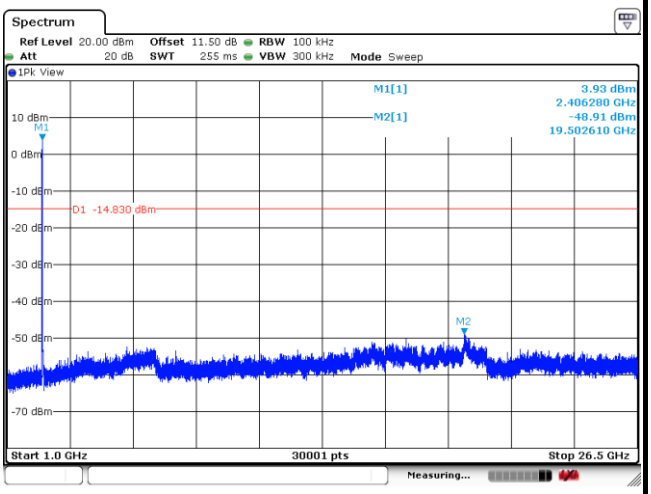
Date: 21.NOV.2023 19:11:43

Spurious Emission Plot-1



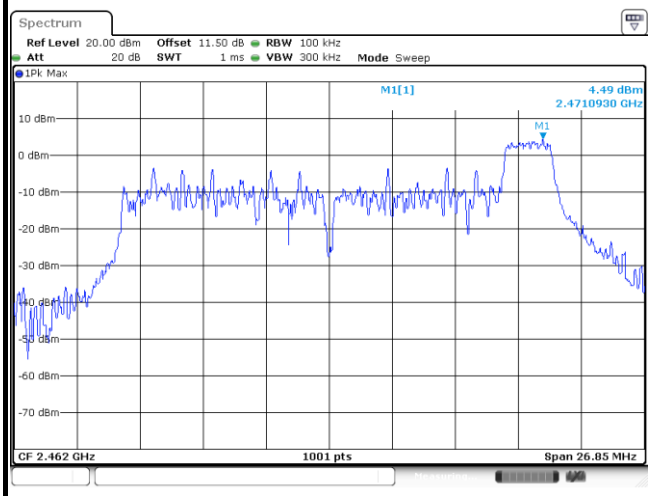
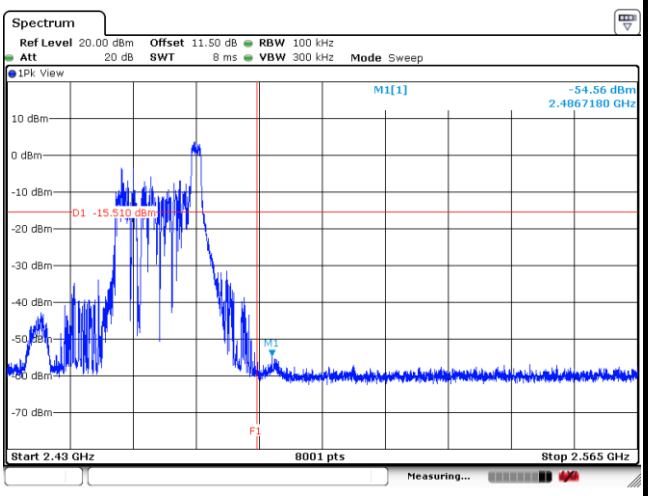
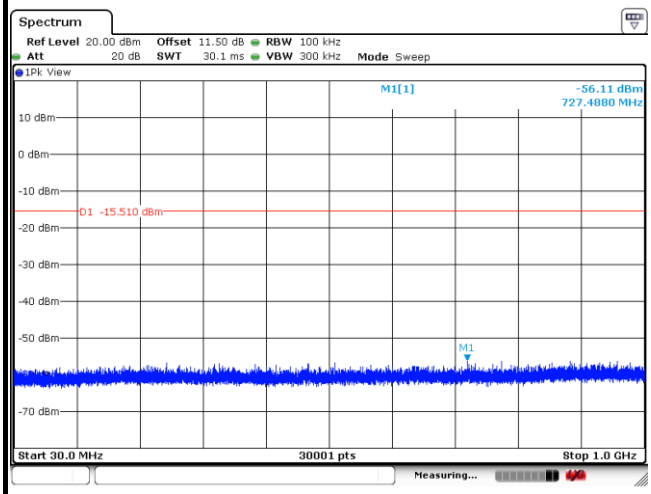
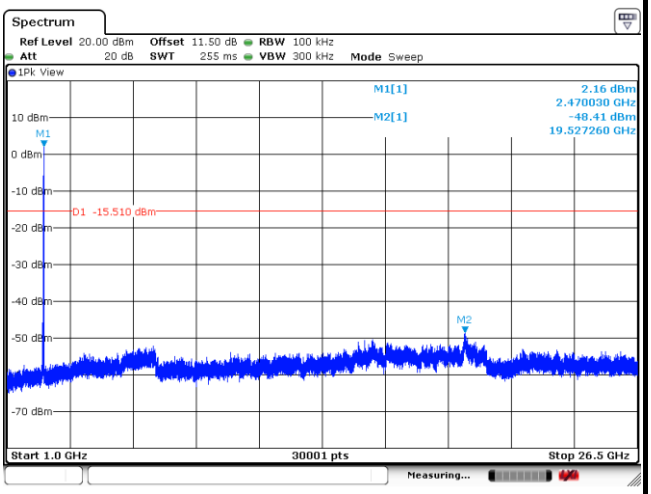
Date: 21.NOV.2023 19:11:04

Spurious Emission Plot-2

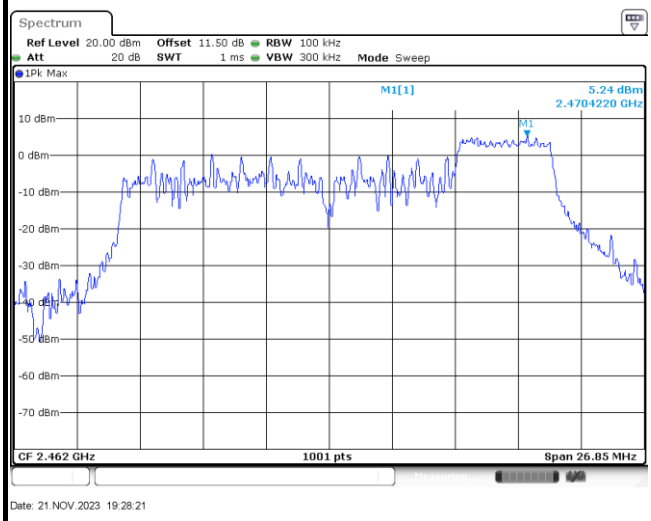
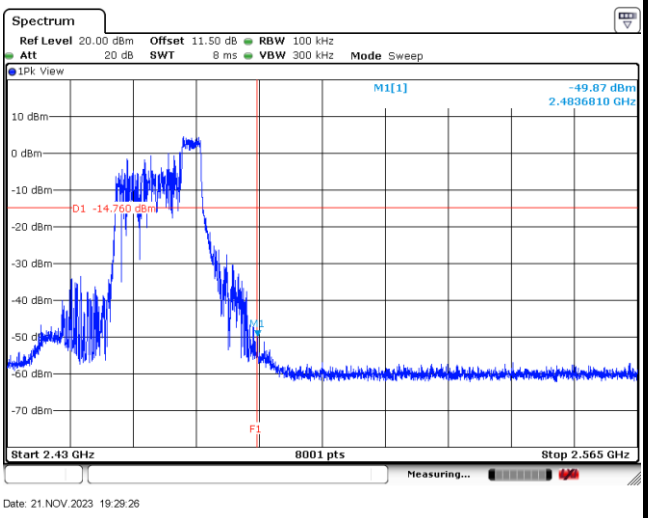
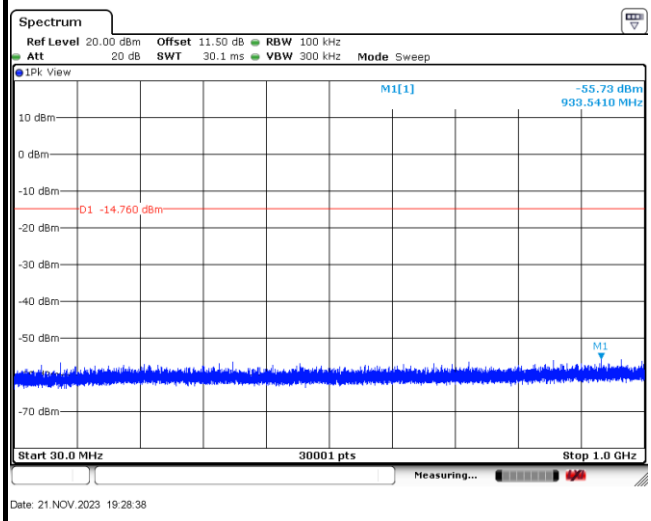
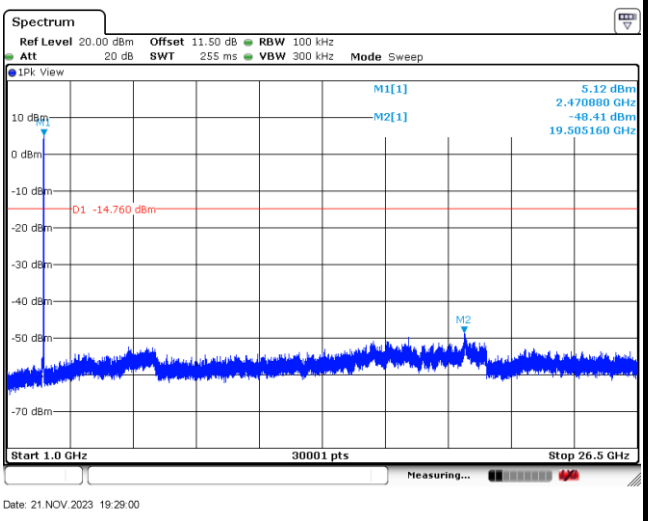


Date: 21.NOV.2023 19:11:20

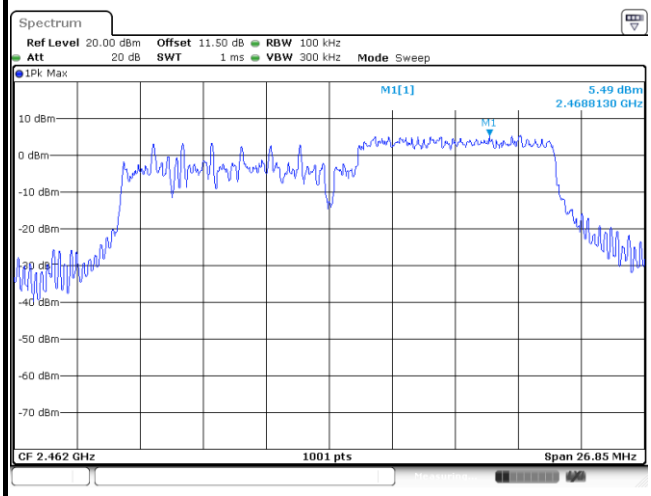
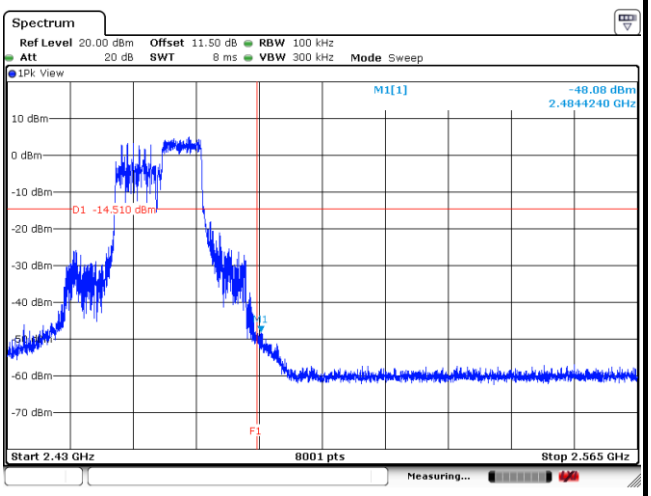
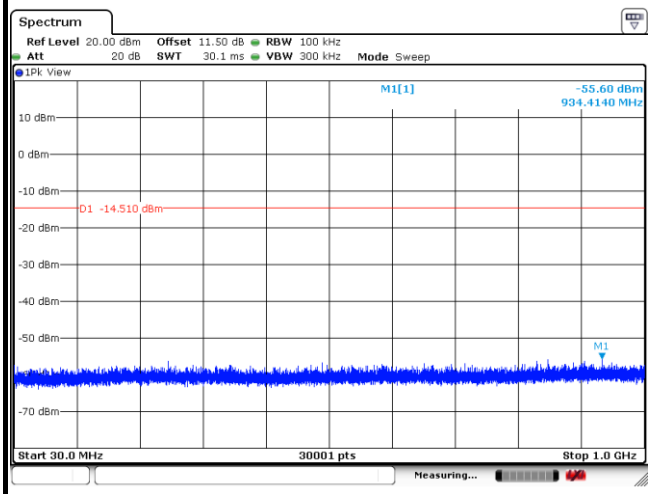
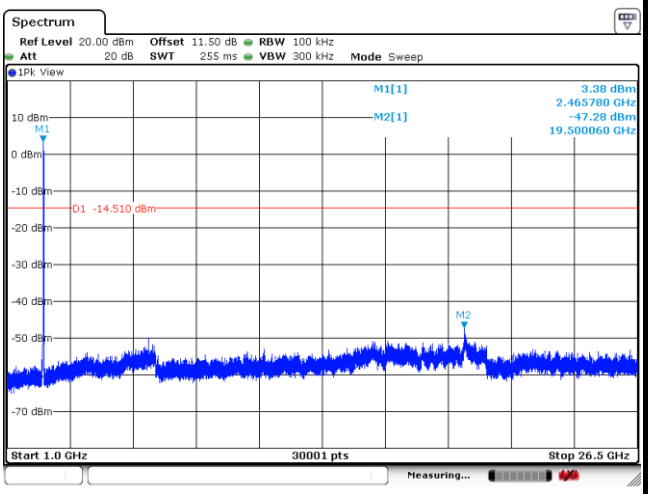
Test Mode :	802.11ax HE20 26RU8	Test Channel :	11

100kHz PSD reference Level	Channel Plot
	
Date: 21.NOV.2023 19:23:47	Date: 21.NOV.2023 19:26:39
Spurious Emission Plot-1	**Spurious Emission Plot-2**
	
Date: 21.NOV.2023 19:25:16	Date: 21.NOV.2023 19:25:34

Test Mode :	802.11ax HE20 52RU40	Test Channel :	11

100kHz PSD reference Level	Channel Plot
	
Spurious Emission Plot-1	Spurious Emission Plot-2
	

Test Mode :	802.11ax HE20 106RU54	Test Channel :	11

100kHz PSD reference Level	Channel Plot
	
Date: 21.NOV.2023 19:37:07	Date: 21.NOV.2023 19:37:55
Spurious Emission Plot-1	**Spurious Emission Plot-2**
	
Date: 21.NOV.2023 19:37:25	Date: 21.NOV.2023 19:37:42

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

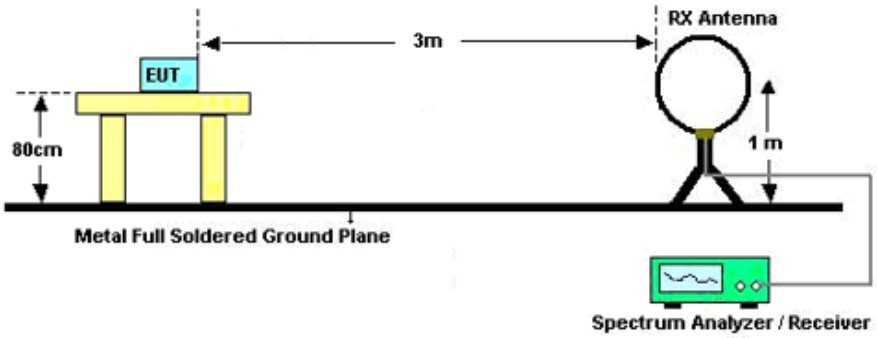
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

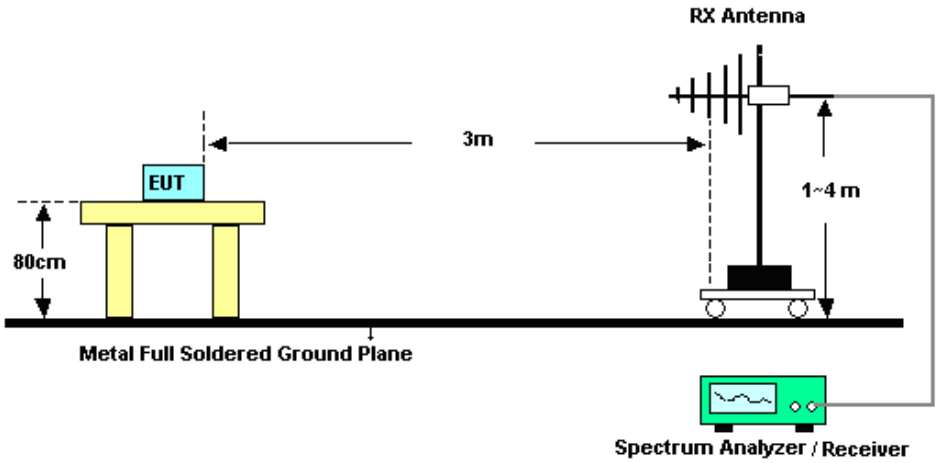
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better 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

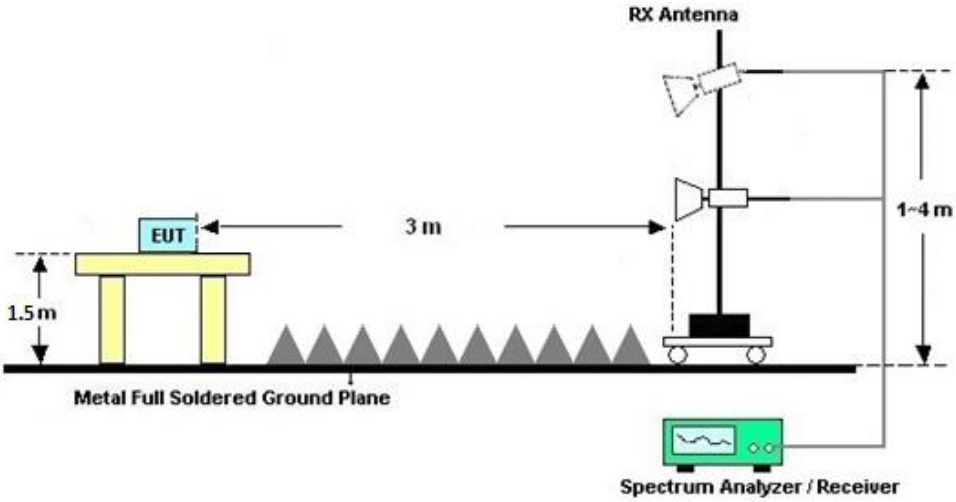
For radiated emissions below 30MHz



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.

3.5.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C

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.

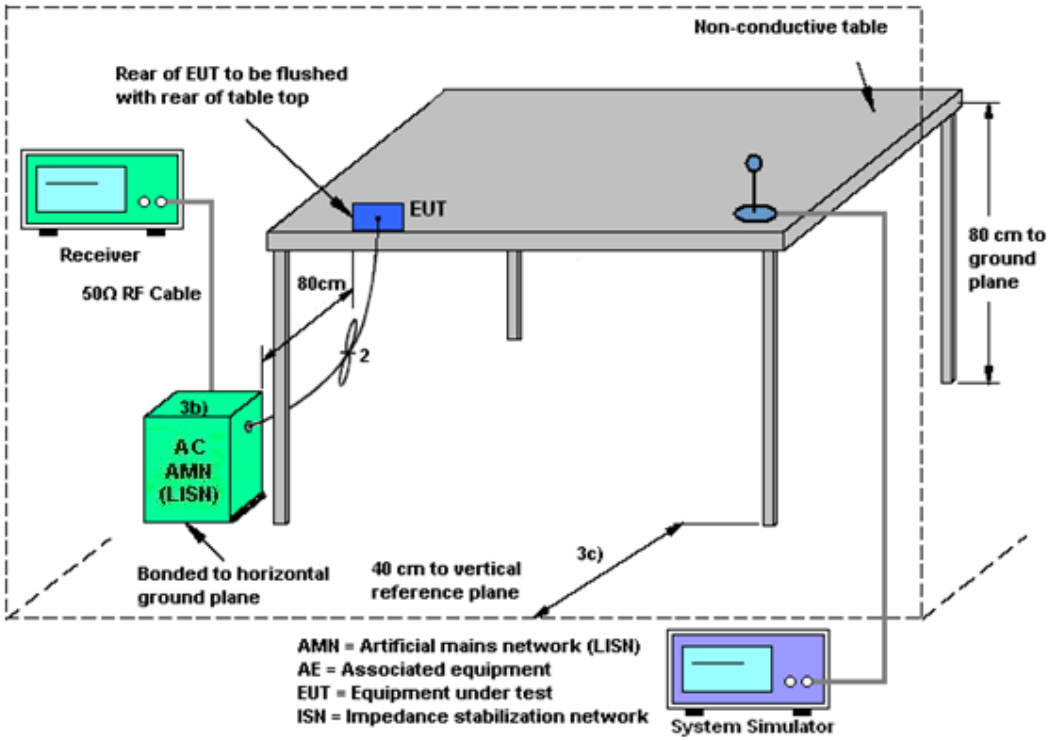
3.6.2 Measuring Instruments

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



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

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 7 (dBi)	Ant. 8 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	0.00	1.20	1.20	3.63	0.00	0.00

Note: 11b does not support MIMO, the DG gain is the maximum from the Ant.7/Ant.8.

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, 2023	Nov. 16, 2023~ Dec. 04, 2023	Apr. 05, 2024	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 27, 2022	Nov. 16, 2023~ Dec. 04, 2023	Dec. 26, 2023	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1542004	50MHz Bandwidth	Dec. 27, 2022	Nov. 16, 2023~ Dec. 04, 2023	Dec. 26, 2023	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 04, 2023	Nov. 16, 2023~ Dec. 15, 2023	Apr. 03, 2024	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 04, 2023	Nov. 16, 2023~ Dec. 15, 2023	Apr. 03, 2024	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	Nov. 16, 2023~ Dec. 15, 2023	Jul. 27, 2024	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Aug. 20, 2023	Nov. 16, 2023~ Dec. 15, 2023	Aug. 19, 2025	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 08, 2023	Nov. 16, 2023~ Dec. 15, 2023	Apr. 07, 2024	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 07, 2023	Nov. 16, 2023~ Dec. 15, 2023	Jul. 06, 2024	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 08, 2023	Nov. 16, 2023~ Dec. 15, 2023	Apr. 07, 2024	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 18, 2023	Nov. 16, 2023~ Dec. 15, 2023	Oct. 17, 2024	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 18, 2023	Nov. 16, 2023~ Dec. 15, 2023	Oct. 17, 2024	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 26, 2022	Nov. 16, 2023~ Dec. 15, 2023	Dec. 25, 2023	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	1 N/A	Oct. 18, 2023	Nov. 16, 2023~ Dec. 15, 2023	Oct. 17, 2024	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Nov. 16, 2023~ Dec. 15, 2023	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Nov. 16, 2023~ Dec. 15, 2023	NCR	Radiation (03CH03-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Jul. 06, 2023	Dec. 04, 2023 ~Dec. 05, 2023	Jul. 05, 2024	Conduction (CO01-SZ)
AC LISN	R&S	ENV216	100063	9kHz~30MHz	Aug. 21, 2023	Dec. 04, 2023 ~Dec. 05, 2023	Aug. 20, 2024	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 16, 2023	Dec. 04, 2023 ~Dec. 05, 2023	Oct. 15, 2024	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 07, 2023	Dec. 04, 2023 ~Dec. 05, 2023	Jul. 06, 2024	Conduction (CO01-SZ)

NCR: No Calibration Required

5 Measurement Uncertainty

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 Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±1.34 dB
Occupied Channel Bandwidth	±0.012 MHz
Conducted Power	±1.34 dB
Conducted Power Spectral Density	±1.32 dB
Frequency	±1.3 Hz

Uncertainty of AC Conducted Emission Measurement (0.15 MHz ~ 30 MHz)

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

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.5dB

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 (1 GHz ~ 18 GHz)

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

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

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:	Liu Qiu Qiu	Temperature:	21~25	°C
Test Date:	2023/11/16~2023/12/4	Relative Humidity:	51~54	%

TEST RESULTS DATA
Average Output Power
(Reference only)

2.4GHz Band MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant7	Ant8	SUM	Ant7	Ant8	Ant7	Ant8	Ant7	Ant8	Ant7	Ant8	
11b	1Mbps	2	1	2412	14.40	14.80	17.61	30.00		1.20		18.81		36.00		Pass
11b	1Mbps	2	6	2437	14.70	14.80	17.76	30.00		1.20		18.96		36.00		Pass
11b	1Mbps	2	11	2462	14.90	14.60	17.76	30.00		1.20		18.96		36.00		Pass
11g	6Mbps	2	1	2412	11.00	11.70	14.37	30.00		1.20		15.57		36.00		Pass
11g	6Mbps	2	2	2417	16.30	16.00	19.16	30.00		1.20		20.36		36.00		Pass
11g	6Mbps	2	6	2437	16.40	16.20	19.31	30.00		1.20		20.51		36.00		Pass
11g	6Mbps	2	11	2462	13.50	13.20	16.36	30.00		1.20		17.56		36.00		Pass

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

Report Number : FR3O3018C

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
					Ant7	Ant8	SUM	Ant7	Ant8	Ant7	Ant8	Ant7	Ant8	Ant7	Ant8	
11b	1Mbps	2	1	2412	15.77	16.78	19.31	30.00		1.20		20.51		36.00		Pass
11b	1Mbps	2	6	2437	16.35	16.76	19.57	30.00		1.20		20.77		36.00		Pass
11b	1Mbps	2	11	2462	16.09	16.05	19.08	30.00		1.20		20.28		36.00		Pass
11g	6Mbps	2	1	2412	20.15	21.05	23.63	30.00		1.20		24.83		36.00		Pass
11g	6Mbps	2	2	2417	24.25	25.08	27.70	30.00		1.20		28.90		36.00		Pass
11g	6Mbps	2	6	2437	24.21	25.30	27.80	30.00		1.20		29.00		36.00		Pass
11g	6Mbps	2	11	2462	22.42	22.96	25.71	30.00		1.20		26.91		36.00		Pass

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

TEST RESULTS DATA
Average Output Power
(Reference only)

2.4GHz Band MIMO																		
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant7	Ant8	SUM	Ant7	Ant8	Ant7	Ant8	Ant7	Ant8	Ant7	Ant8	
HE20	MCS0	2	1	2412	Full	12.10	12.80	15.47	30.00		1.20		16.67		36.00		Pass
HE20	MCS0	2	1	2412	26/0	8.10	8.60	11.37	30.00		1.20		12.57		36.00		Pass
HE20	MCS0	2	1	2412	52/37	12.20	12.50	15.36	30.00		1.20		16.56		36.00		Pass
HE20	MCS0	2	1	2412	106/53	15.30	15.60	18.46	30.00		1.20		19.66		36.00		Pass
HE20	MCS0	2	2	2417	Full	15.90	16.10	19.01	30.00		1.20		20.21		36.00		Pass
HE20	MCS0	2	6	2437	Full	16.40	16.40	19.41	30.00		1.20		20.61		36.00		Pass
HE20	MCS0	2	10	2457	Full	16.30	16.50	19.41	30.00		1.20		20.61		36.00		Pass
HE20	MCS0	2	11	2462	Full	12.70	12.50	15.61	30.00		1.20		16.81		36.00		Pass
HE20	MCS0	2	11	2462	26/8	8.20	8.50	11.36	30.00		1.20		12.56		36.00		Pass
HE20	MCS0	2	11	2462	52/40	12.30	12.20	15.26	30.00		1.20		16.46		36.00		Pass
HE20	MCS0	2	11	2462	106/54	15.40	15.30	18.36	30.00		1.20		19.56		36.00		Pass
HE40	MCS0	2	3	2422	Full	7.50	8.00	10.77	30.00		1.20		11.97		36.00		Pass
HE40	MCS0	2	4	2427	Full	12.60	13.40	16.03	30.00		1.20		17.23		36.00		Pass
HE40	MCS0	2	5	2432	Full	14.10	14.80	17.47	30.00		1.20		18.67		36.00		Pass
HE40	MCS0	2	6	2437	Full	16.40	16.30	19.36	30.00		1.20		20.56		36.00		Pass
HE40	MCS0	2	7	2442	Full	14.50	14.30	17.41	30.00		1.20		18.61		36.00		Pass
HE40	MCS0	2	8	2447	Full	13.50	13.20	16.36	30.00		1.20		17.56		36.00		Pass
HE40	MCS0	2	9	2452	Full	9.40	9.20	12.31	30.00		1.20		13.51		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
						Ant7	Ant8	SUM	Ant7	Ant8	Ant7	Ant8	Ant7	Ant8	Ant7	Ant8	
HE20	MCS0	2	1	2412	Full	21.86	22.50	25.20	30.00		1.20		26.40		36.00		Pass
HE20	MCS0	2	1	2412	26/0	18.55	19.09	21.84	30.00		1.20		23.04		36.00		Pass
HE20	MCS0	2	1	2412	52/37	22.77	22.98	25.89	30.00		1.20		27.09		36.00		Pass
HE20	MCS0	2	1	2412	106/53	23.61	24.82	27.27	30.00		1.20		28.47		36.00		Pass
HE20	MCS0	2	2	2417	Full	24.85	25.06	27.97	30.00		1.20		29.17		36.00		Pass
HE20	MCS0	2	6	2437	Full	25.16	25.41	28.30	30.00		1.20		29.50		36.00		Pass
HE20	MCS0	2	10	2457	Full	25.13	25.45	28.30	30.00		1.20		29.50		36.00		Pass
HE20	MCS0	2	11	2462	Full	21.89	22.08	25.00	30.00		1.20		26.20		36.00		Pass
HE20	MCS0	2	11	2462	26/8	18.39	18.82	21.62	30.00		1.20		22.82		36.00		Pass
HE20	MCS0	2	11	2462	52/40	22.87	22.93	25.91	30.00		1.20		27.11		36.00		Pass
HE20	MCS0	2	11	2462	106/54	24.24	24.54	27.40	30.00		1.20		28.60		36.00		Pass
HE40	MCS0	2	3	2422	Full	18.22	18.94	21.61	30.00		1.20		22.81		36.00		Pass
HE40	MCS0	2	4	2427	Full	22.83	23.31	26.09	30.00		1.20		27.29		36.00		Pass
HE40	MCS0	2	5	2432	Full	23.88	24.74	27.34	30.00		1.20		28.54		36.00		Pass
HE40	MCS0	2	6	2437	Full	24.53	25.66	28.14	30.00		1.20		29.34		36.00		Pass
HE40	MCS0	2	7	2442	Full	24.26	24.95	27.63	30.00		1.20		28.83		36.00		Pass
HE40	MCS0	2	8	2447	Full	23.41	23.36	26.40	30.00		1.20		27.60		36.00		Pass
HE40	MCS0	2	9	2452	Full	20.85	20.79	23.83	30.00		1.20		25.03		36.00		Pass

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

Report Number : FR3O3018C

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
					Ant7	Ant8	Ant7	Ant8		
11b	1Mbps	2	1	2412	12.64	12.69	7.62	8.06	0.50	Pass
11b	1Mbps	2	6	2437	12.79	12.64	8.08	7.60	0.50	Pass
11b	1Mbps	2	11	2462	12.74	12.79	8.06	8.08	0.50	Pass
11g	6Mbps	2	1	2412	17.33	16.98	15.84	15.94	0.50	Pass
11g	6Mbps	2	6	2437	17.33	16.93	15.94	16.32	0.50	Pass
11g	6Mbps	2	11	2462	17.38	17.03	15.94	16.32	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
						Ant7	Ant8	Ant7	Ant8		
HE20	MCS0	2	1	2412	Full	18.98	18.98	17.25	17.33	0.50	Pass
HE20	MCS0	2	6	2437	Full	19.08	19.08	17.55	17.25	0.50	Pass
HE20	MCS0	2	11	2462	Full	19.08	19.08	17.00	17.90	0.50	Pass
HE40	MCS0	2	3	2422	Full	37.86	37.76	37.40	36.88	0.50	Pass
HE40	MCS0	2	6	2437	Full	37.76	37.66	36.24	36.36	0.50	Pass
HE40	MCS0	2	9	2452	Full	37.66	37.76	36.28	36.36	0.50	Pass

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant7	Ant8	Worse + 3.01	Ant7	Ant8	Ant7	Ant8	
11b	1Mbps	2	1	2412	-8.89	-8.10	-5.09	1.20		8.00		Pass
11b	1Mbps	2	6	2437	-8.13	-8.95	-5.12	1.20		8.00		Pass
11b	1Mbps	2	11	2462	-9.01	-7.75	-4.74	1.20		8.00		Pass
11g	6Mbps	2	1	2412	-14.48	-14.14	-11.13	3.63		8.00		Pass
11g	6Mbps	2	6	2437	-8.19	-9.50	-5.18	3.63		8.00		Pass
11g	6Mbps	2	11	2462	-11.30	-12.45	-8.29	3.63		8.00		Pass

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

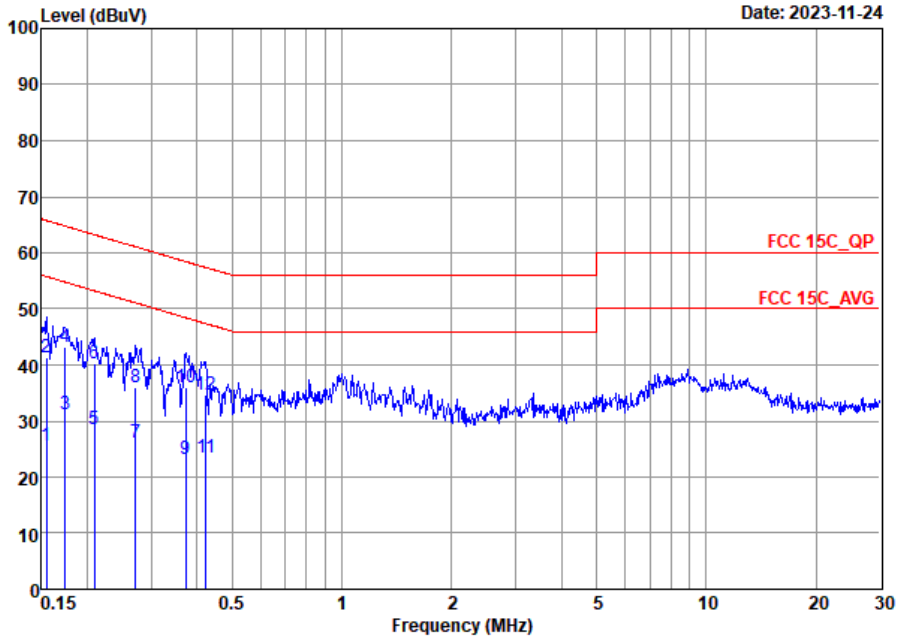
TEST RESULTS DATA
Peak Power Spectral Density

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
						Ant7	Ant8	Worse + 3.01	Ant7	Ant8	Ant7	Ant8	
HE20	MCS0	2	1	2412	Full	-15.03	-14.37	-11.36	3.63		8.00		Pass
HE20	MCS0	2	1	2412	26/0	-8.99	-8.75	-5.74	3.63		8.00		Pass
HE20	MCS0	2	1	2412	52/37	-8.53	-8.17	-5.16	3.63		8.00		Pass
HE20	MCS0	2	1	2412	106/53	-8.36	-8.04	-5.03	3.63		8.00		Pass
HE20	MCS0	2	6	2437	Full	-10.66	-9.99	-6.98	3.63		8.00		Pass
HE20	MCS0	2	11	2462	Full	-15.06	-14.81	-11.80	3.63		8.00		Pass
HE20	MCS0	2	11	2462	26/8	-9.38	-9.11	-6.10	3.63		8.00		Pass
HE20	MCS0	2	11	2462	52/40	-8.28	-7.06	-4.05	3.63		8.00		Pass
HE20	MCS0	2	11	2462	106/54	-7.84	-8.01	-4.83	3.63		8.00		Pass
HE40	MCS0	2	3	2422	Full	-18.70	-17.93	-14.92	3.63		8.00		Pass
HE40	MCS0	2	6	2437	Full	-12.89	-13.25	-9.88	3.63		8.00		Pass
HE40	MCS0	2	9	2452	Full	-18.27	-18.89	-15.26	3.63		8.00		Pass

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

Appendix B. AC Conducted Emission Test Results

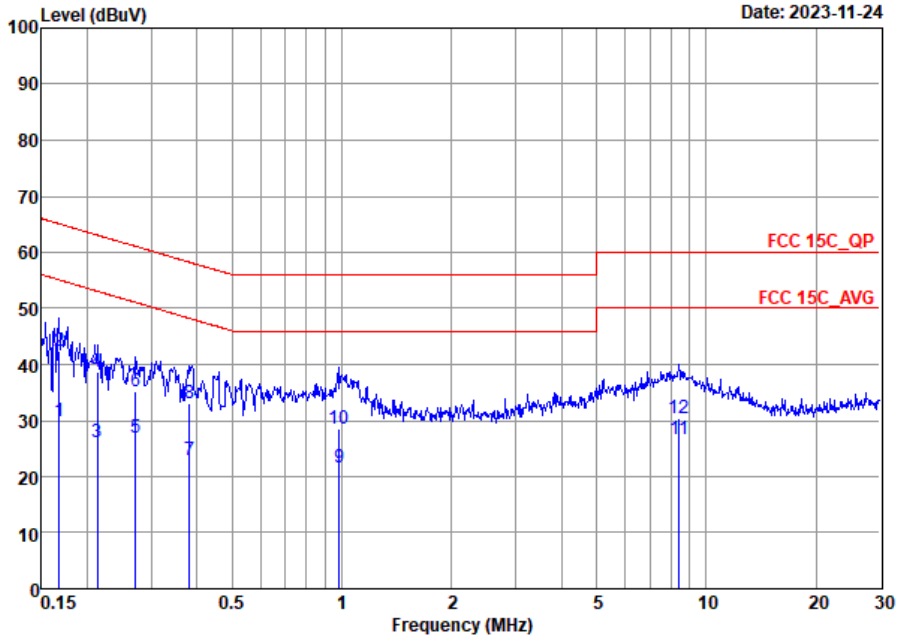
Test Engineer :	FangMing Liang	**Temperature :**	22~24℃
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15C QP AC LISN 100063 L LINE

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	25.49	-30.25	55.74	5.00	10.35	10.14	Average
2		0.15	41.29	-24.45	65.74	20.80	10.35	10.14	QP
3		0.17	31.21	-23.56	54.77	10.81	10.26	10.14	Average
4	*	0.17	43.11	-21.66	64.77	22.71	10.26	10.14	QP
5		0.21	28.56	-24.67	53.23	8.00	10.41	10.15	Average
6		0.21	40.36	-22.87	63.23	19.80	10.41	10.15	QP
7		0.27	26.04	-25.03	51.07	5.80	10.09	10.15	Average
8		0.27	36.04	-25.03	61.07	15.80	10.09	10.15	QP
9		0.37	23.19	-25.24	48.43	2.69	10.34	10.16	Average
10		0.37	35.89	-22.54	58.43	15.39	10.34	10.16	QP
11		0.42	23.46	-23.91	47.37	2.90	10.40	10.16	Average
12		0.42	34.76	-22.61	57.37	14.20	10.40	10.16	QP

Test Engineer :	FangMing Liang	**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 AC LISN 100063_N NEUTRAL

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.17	29.90	-25.18	55.08	9.30	10.46	10.14	Average
2	*	0.17	42.30	-22.78	65.08	21.70	10.46	10.14	QP
3		0.21	26.09	-27.01	53.10	5.70	10.24	10.15	Average
4		0.21	38.79	-24.31	63.10	18.40	10.24	10.15	QP
5		0.27	26.85	-24.22	51.07	6.40	10.30	10.15	Average
6		0.27	35.25	-25.82	61.07	14.80	10.30	10.15	QP
7		0.38	22.82	-25.43	48.25	2.59	10.07	10.16	Average
8		0.38	33.12	-25.13	58.25	12.89	10.07	10.16	QP
9		0.98	21.51	-24.49	46.00	1.10	10.25	10.16	Average
10		0.98	28.41	-27.59	56.00	8.00	10.25	10.16	QP
11		8.41	26.54	-23.46	50.00	5.90	10.27	10.37	Average
12		8.41	30.44	-29.56	60.00	9.80	10.27	10.37	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 Data

Test Engineer :	Huang weiwei	**Relative Humidity :**	50%
		Temperature :	20-24℃

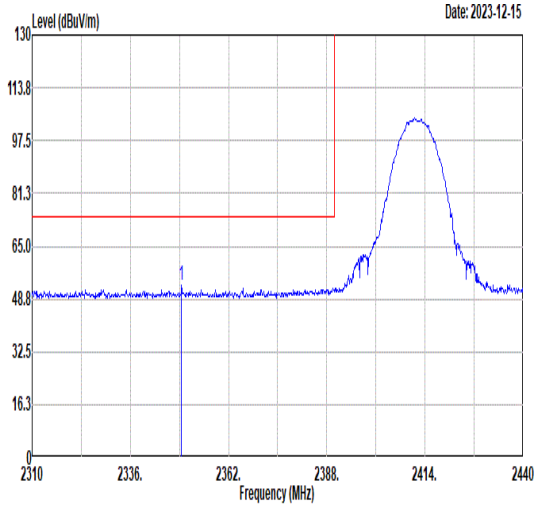
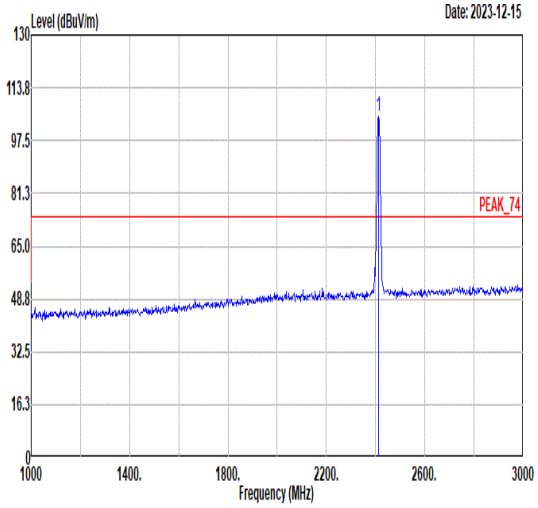
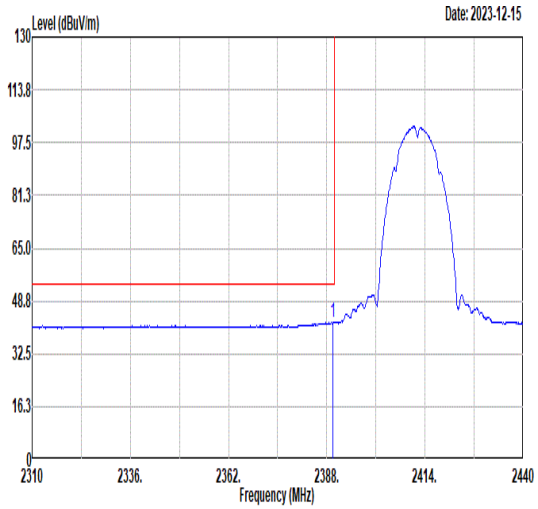
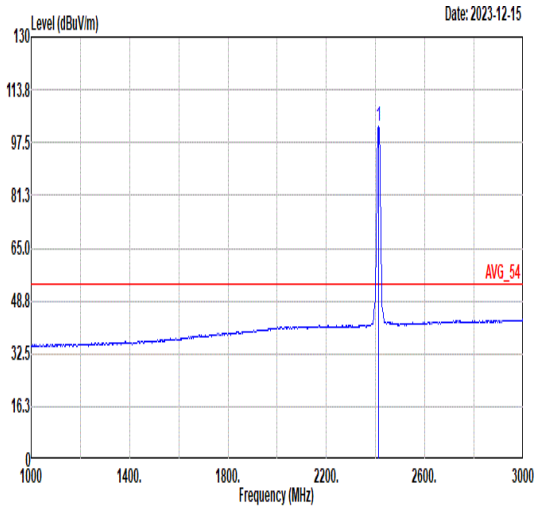
Radiated Spurious Emission Test Modes

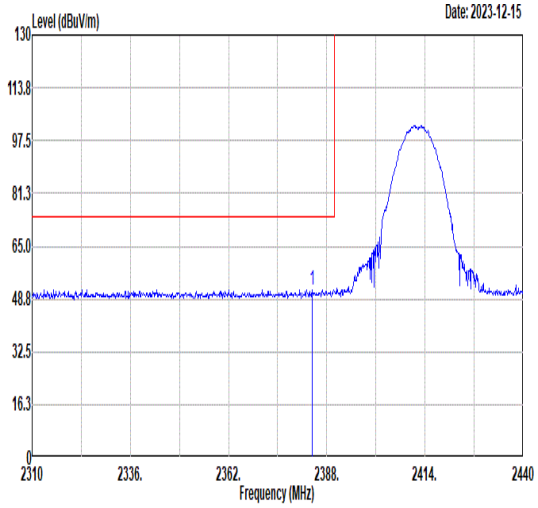
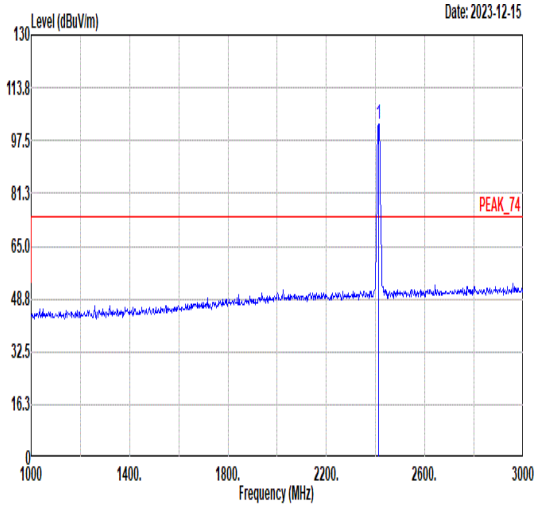
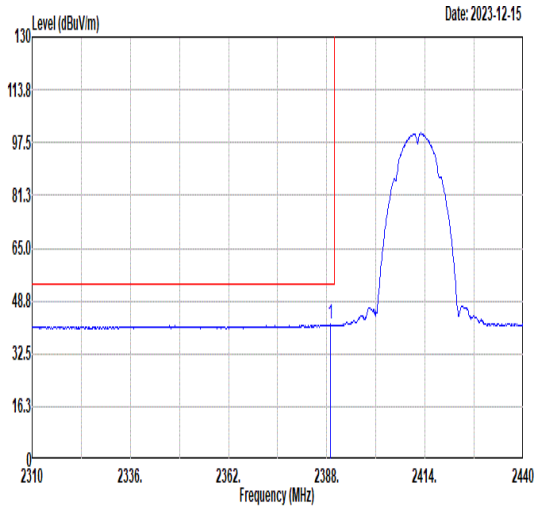
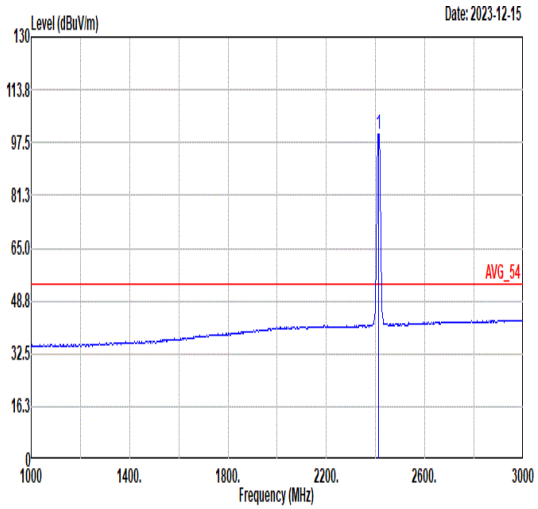
Mode	Band (MHz)	Ant.	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	7+8	802.11b	01	2412	1Mbps	-	-
Mode 2	2400-2483.5	7+8	802.11b	06	2437	1Mbps	-	-
Mode 3	2400-2483.5	7+8	802.11b	11	2462	1Mbps	-	-
Mode 4	2400-2483.5	7+8	802.11g	01	2412	6Mbps	-	-
Mode 5	2400-2483.5	7+8	802.11g	06	2437	6Mbps	-	-
Mode 6	2400-2483.5	7+8	802.11g	11	2462	6Mbps	-	-
Mode 7	2400-2483.5	7+8	802.11ax HE20	01	2412	MCS0	Full RU	-
Mode 8	2400-2483.5	7+8	802.11ax HE20	06	2437	MCS0	Full RU	-
Mode 9	2400-2483.5	7+8	802.11ax HE20	11	2462	MCS0	Full RU	-
Mode 10	2400-2483.5	7+8	802.11ax HE40	03	2422	MCS0	Full RU	-
Mode 11	2400-2483.5	7+8	802.11ax HE40	09	2452	MCS0	Full RU	-
Mode 12	2400-2483.5	7+8	802.11ax HE20	01	2412	MCS0	Partial_RU26/0	-
Mode 13	2400-2483.5	7+8	802.11ax HE20	01	2412	MCS0	Partial_RU52/37	-
Mode 14	2400-2483.5	7+8	802.11ax HE20	01	2412	MCS0	Partial_RU106/53	-
Mode 15	2400-2483.5	7+8	802.11ax HE20	11	2462	MCS0	Partial_RU26/8	-
Mode 16	2400-2483.5	7+8	802.11ax HE20	11	2462	MCS0	Partial_RU52/40	-
Mode 17	2400-2483.5	7+8	802.11ax HE20	11	2462	MCS0	Partial_RU106/54	-
Mode 18	2400-2483.5	7+8	802.11ax HE40	03	LF	MCS0	Full RU	-
Mode 19	Co-location	7+8	802.11ax HE40	03	2422	MCS0	Full RU	-
		1	LTE B13 Link	-	-	-	-	-
Mode 20	Co-location	7	802.11b	01	2412	1Mbps	-	-
		1	LTE B13 Link	-	-	-	-	-
Mode 21	2400-2483.5	7+8	802.11g	02	2417	6Mbps	-	-
Mode 22	2400-2483.5	7+8	802.11ax HE20	02	2417	MCS0	Full RU	-
Mode 23	2400-2483.5	7+8	802.11ax HE20	10	2457	MCS0	Full RU	-
Mode 24	2400-2483.5	7+8	802.11ax HE40	04	2427	MCS0	Full RU	-
Mode 25	2400-2483.5	7+8	802.11ax HE40	05	2432	MCS0	Full RU	-
Mode 26	2400-2483.5	7+8	802.11ax HE40	06	2437	MCS0	Full RU	-
Mode 27	2400-2483.5	7+8	802.11ax HE40	07	2442	MCS0	Full RU	-
Mode 28	2400-2483.5	7+8	802.11ax HE40	08	2447	MCS0	Full RU	-

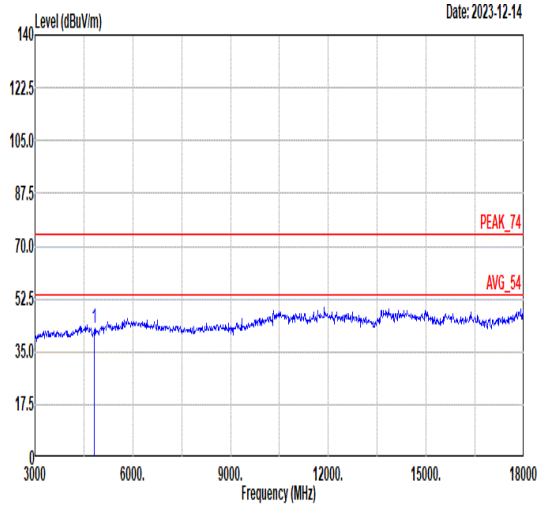
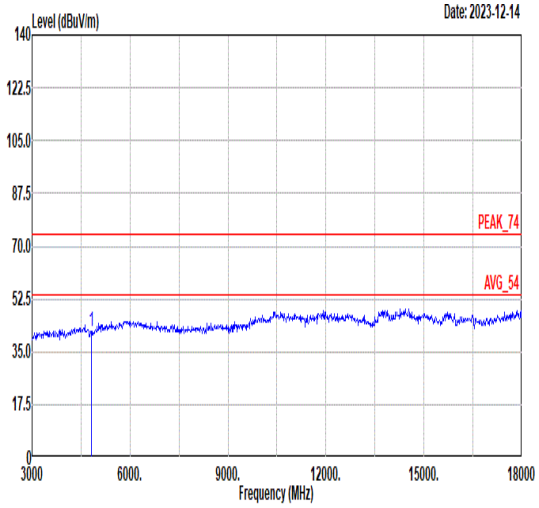
Summary of each worse mode

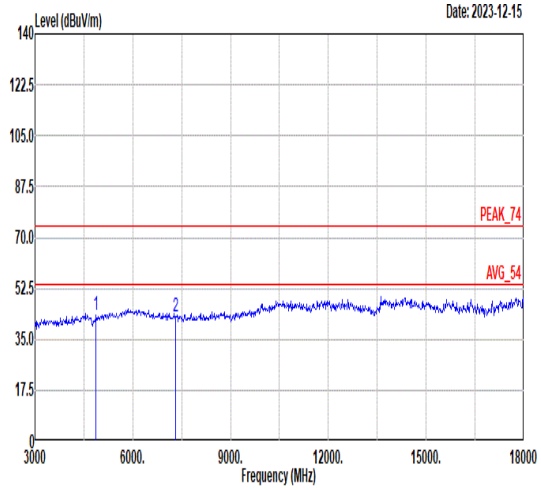
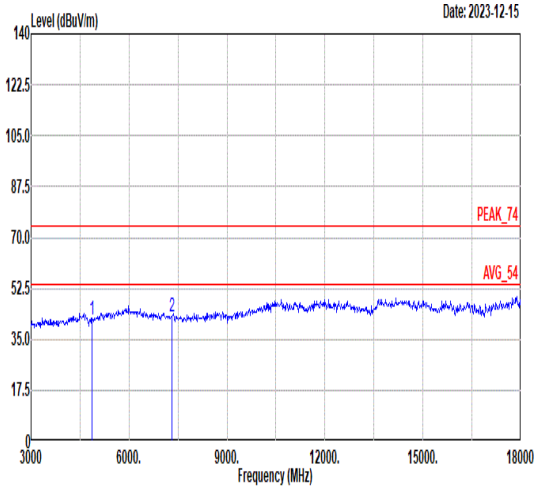
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	802.11b	01	2389.69	42.18	54.00	-11.82	H	AVERAGE	Pass	Band Edge
	802.11b	01	4824.00	42.97	74.00	-31.03	H	Peak	Pass	Harmonic
2	802.11b	06	-	-	-	-	-	-	-	Band Edge
	802.11b	06	4874.00	43.26	74.00	-30.74	H	Peak	Pass	Harmonic
3	802.11b	11	2484.23	41.42	54.00	-12.58	H	AVERAGE	Pass	Band Edge
	802.11b	11	7386.00	43.11	74.00	-30.89	V	Peak	Pass	Harmonic
4	802.11g	01	2389.95	44.58	54.00	-9.42	H	AVERAGE	Pass	Band Edge
	802.11g	01	4824.00	41.06	74.00	-32.94	H	Peak	Pass	Harmonic
5	802.11g	06	-	-	-	-	-	-	-	Band Edge
	802.11g	06	7311.00	43.51	74.00	-30.49	H	Peak	Pass	Harmonic
6	802.11g	11	2483.85	45.28	54.00	-8.72	H	AVERAGE	Pass	Band Edge
	802.11g	11	7386.00	43.31	74.00	-30.69	V	Peak	Pass	Harmonic
7	802.11ax HE20	01	2389.95	46.85	54.00	-7.15	H	AVERAGE	Pass	Band Edge
	802.11ax HE20	01	4824.00	41.91	74.00	-32.09	H	Peak	Pass	Harmonic
8	802.11ax HE20	06	-	-	-	-	-	-	-	Band Edge
	802.11ax HE20	06	7311.00	42.86	74.00	-31.14	H	Peak	Pass	Harmonic
9	802.11ax HE20	11	2484.88	45.59	54.00	-8.41	H	AVERAGE	Pass	Band Edge
	802.11ax HE20	11	7386.00	43.97	74.00	-30.03	V	Peak	Pass	Harmonic
10	802.11ax HE40	03	2389.30	48.68	54.00	-5.32	H	AVERAGE	Pass	Band Edge
	802.11ax HE40	03	7266.00	43.03	74.00	-30.97	V	Peak	Pass	Harmonic
11	802.11ax HE40	09	2483.63	48.12	54.00	-5.88	H	AVERAGE	Pass	Band Edge
	802.11ax HE40	09	-	-	-	-	-	-	-	Harmonic
12	802.11ax HE20	01	2387.87	42.64	54.00	-11.36	H	AVERAGE	Pass	Band Edge
	802.11ax HE20	01	-	-	-	-	-	-	-	Harmonic
13	802.11ax HE20	01	2389.30	44.76	54.00	-9.24	H	AVERAGE	Pass	Band Edge
	802.11ax HE20	01	-	-	-	-	-	-	-	Harmonic
14	802.11ax HE20	01	2389.95	45.27	54.00	-8.73	H	AVERAGE	Pass	Band Edge
	802.11ax HE20	01	-	-	-	-	-	-	-	Harmonic
15	802.11ax HE20	11	2486.89	42.21	54.00	-11.79	H	AVERAGE	Pass	Band Edge
	802.11ax HE20	11	-	-	-	-	-	-	-	Harmonic
16	802.11ax HE20	11	2484.42	45.27	54.00	-8.73	H	AVERAGE	Pass	Band Edge
	802.11ax HE20	11	-	-	-	-	-	-	-	Harmonic
17	802.11ax HE20	11	2483.85	46.09	54.00	-7.91	V	AVERAGE	Pass	Band Edge
	802.11ax HE20	11	-	-	-	-	-	-	-	Harmonic
18	802.11ax HE40	03	39.70	28.35	40.00	-11.65	V	Peak	Pass	LF
19	802.11ax HE40	03	2389.41	47.93	54.00	-6.07	H	AVERAGE	Pass	Band Edge
	802.11ax HE40	03	7266.00	45.17	74.00	-28.83	V	Peak	Pass	Harmonic
20	802.11b	01	2389.43	37.17	54.00	-16.83	H	AVERAGE	Pass	Band Edge
	802.11b	01	4824.00	43.92	74.00	-30.08	V	Peak	Pass	Harmonic

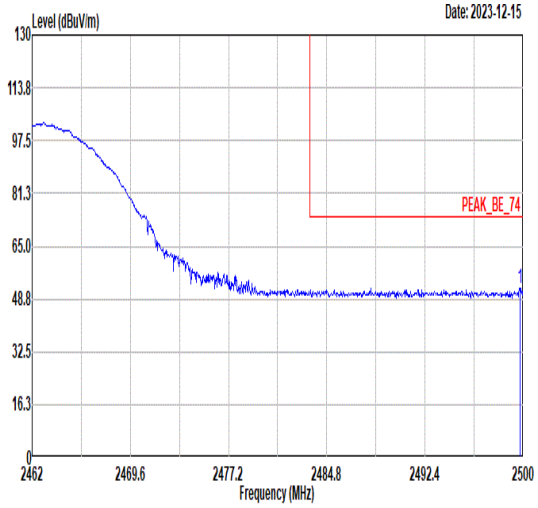
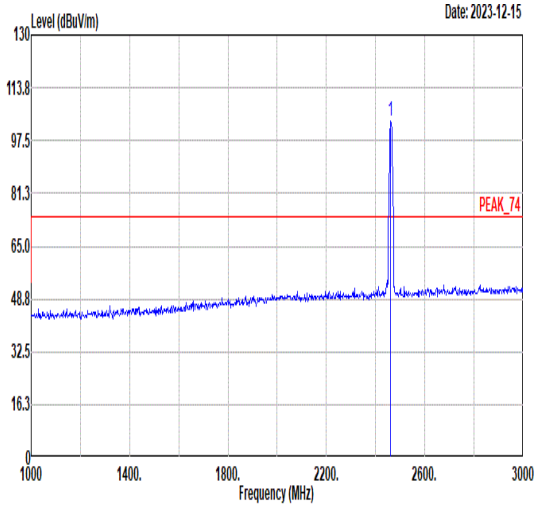
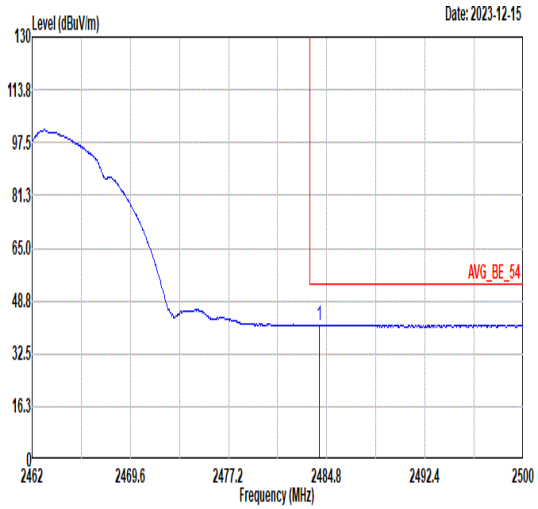
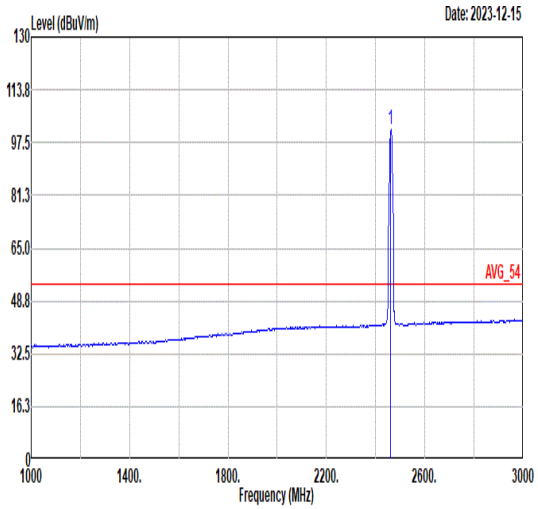
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
21	802.11g	02	2389.56	48.35	54.00	-5.65	V	AVERAGE	Pass	Band Edge
	802.11g	02	-	-	-	-	-	-	-	Harmonic
22	802.11ax HE20	02	2389.17	48.54	54.00	-5.46	V	AVERAGE	Pass	Band Edge
	802.11ax HE20	02	-	-	-	-	-	-	-	Harmonic
23	802.11ax HE20	10	2484.61	48.03	54.00	-5.97	V	AVERAGE	Pass	Band Edge
	802.11ax HE20	10	-	-	-	-	-	-	-	Harmonic
24	802.11ax HE40	04	2389.97	47.68	54.00	-6.32	V	AVERAGE	Pass	Band Edge
	802.11ax HE40	04	-	-	-	-	-	-	-	Harmonic
25	802.11ax HE40	05	2389.76	48.37	54.00	-5.63	V	AVERAGE	Pass	Band Edge
	802.11ax HE40	05	-	-	-	-	-	-	-	Harmonic
26	802.11ax HE40	06	2483.68	46.64	54.00	-7.36	H	AVERAGE	Pass	Band Edge
	802.11ax HE40	06	-	-	-	-	-	-	-	Harmonic
27	802.11ax HE40	07	2483.94	48.08	54.00	-5.92	V	AVERAGE	Pass	Band Edge
	802.11ax HE40	07	-	-	-	-	-	-	-	Harmonic
28	802.11ax HE40	08	2483.54	48.39	54.00	-5.61	H	AVERAGE	Pass	Band Edge
	802.11ax HE40	08	-	-	-	-	-	-	-	Harmonic

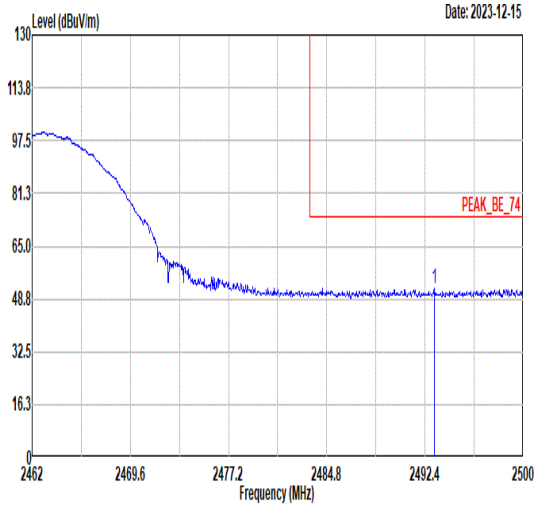
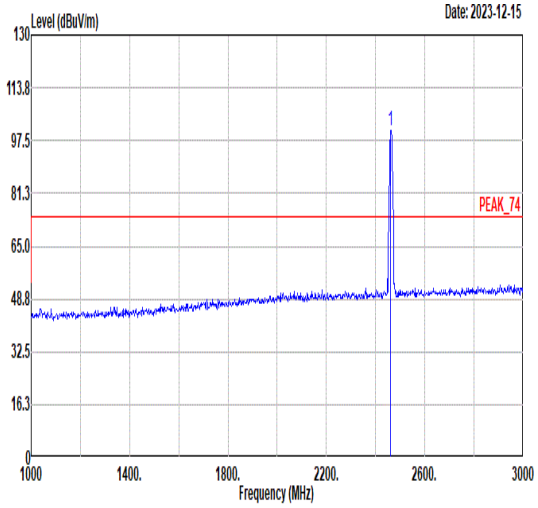
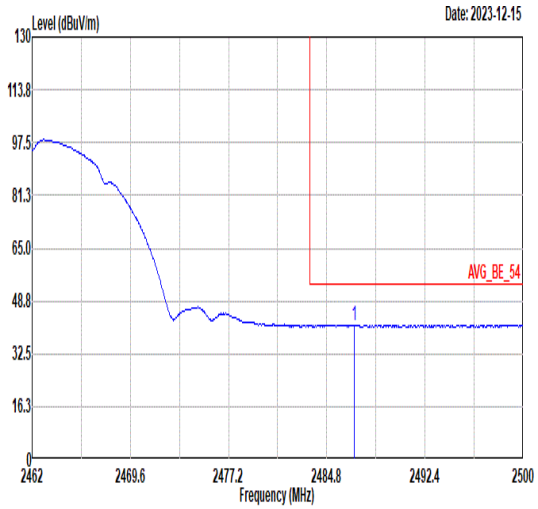
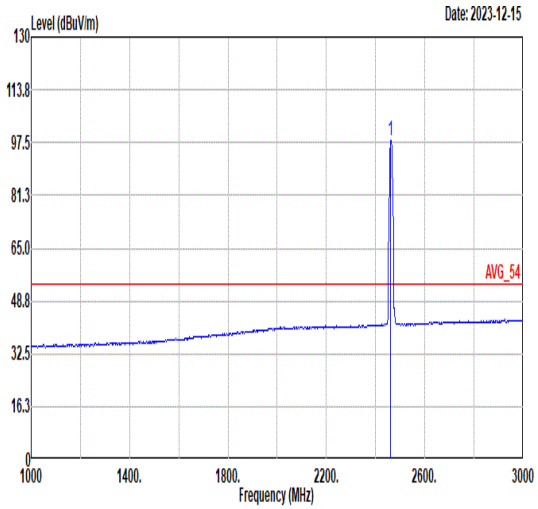
Mode	1	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2349.52 52.96 74.00 -21.04 49.56 32.34 4.75 33.69 100 324 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 104.74 ------ ------ 101.20 32.37 4.82 33.65 100 324 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.69 42.18 54.00 -11.82 38.69 32.36 4.80 33.67 100 324 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 102.31 ------ ------ 98.77 32.37 4.82 33.65 100 324 AVERAGE

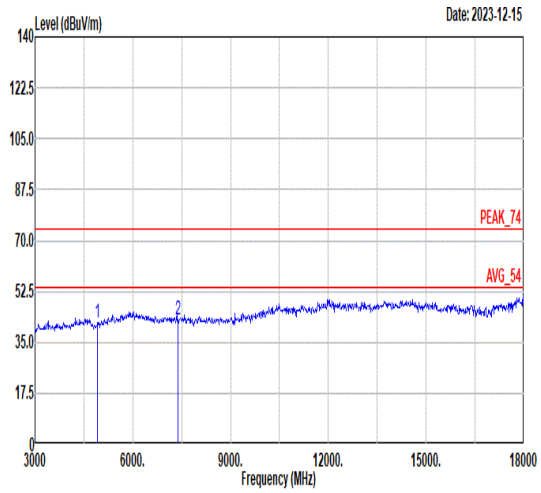
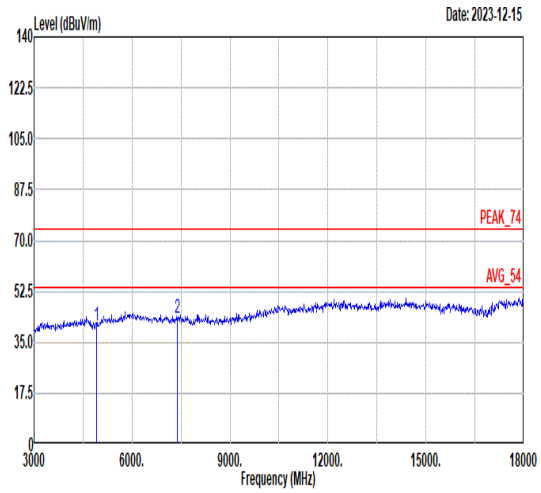
Mode	1	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2384.23 51.67 74.00 -22.33 48.20 32.35 4.79 33.67 360 218 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 102.77 ------ ------ 99.23 32.37 4.82 33.65 360 218 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2388.91 41.47 54.00 -12.53 37.99 32.36 4.79 33.67 360 218 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 100.32 ------ ------ 96.78 32.37 4.82 33.65 360 218 AVERAGE

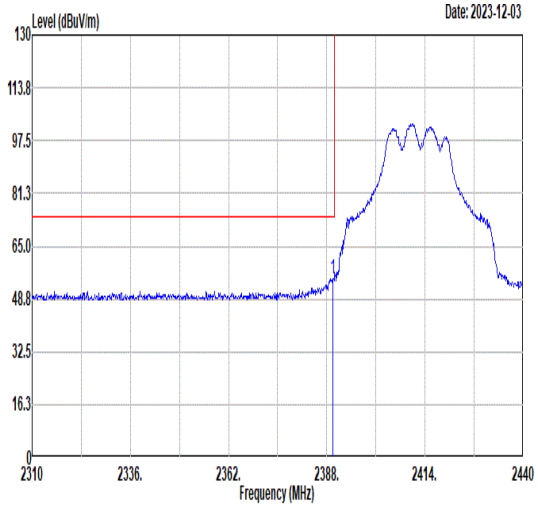
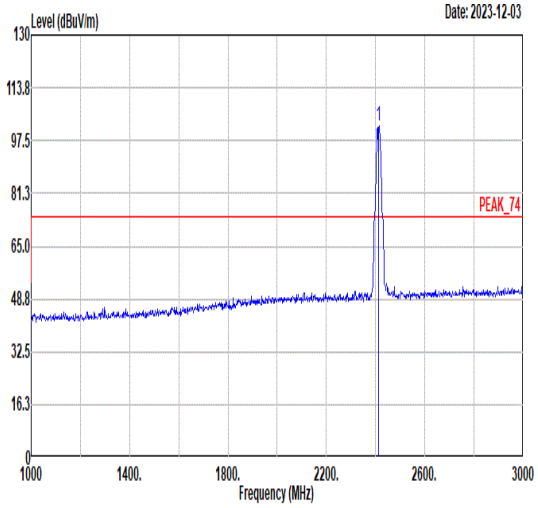
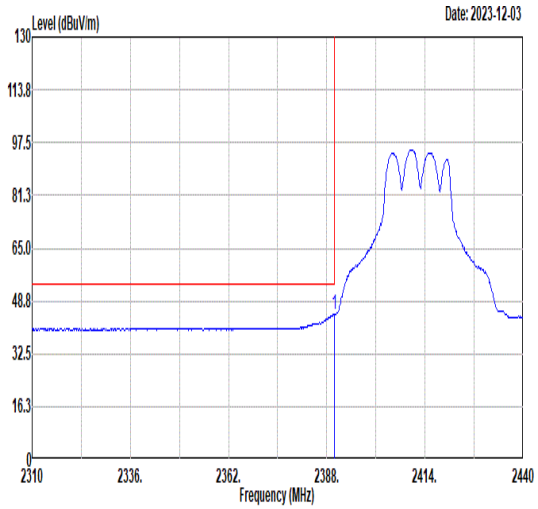
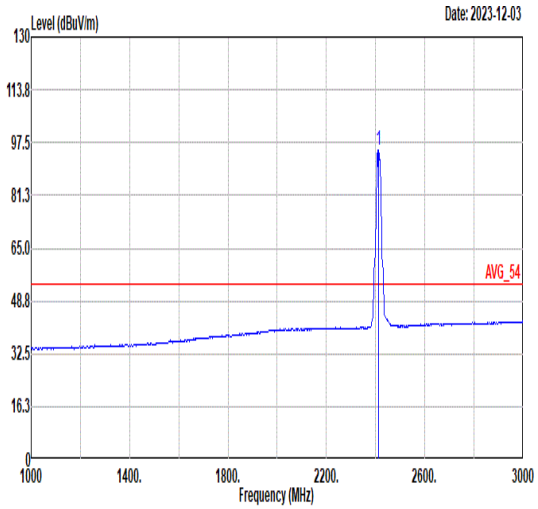
Mode	1	
	Harmonic	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	7+8	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 42.97 74.00 -31.03 58.30 34.40 7.75 57.48 -- -- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 41.93 74.00 -32.07 57.26 34.40 7.75 57.48 -- -- Peak

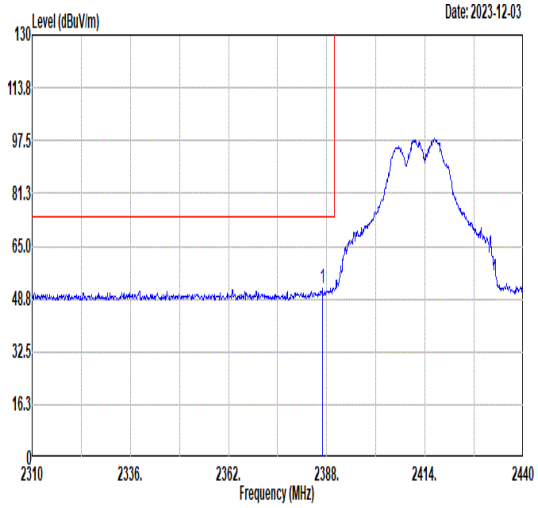
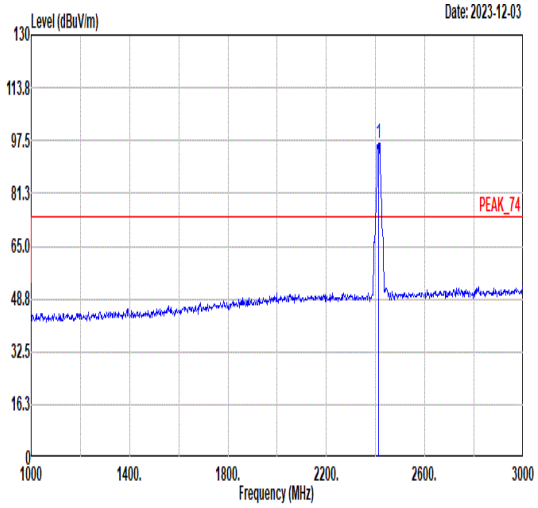
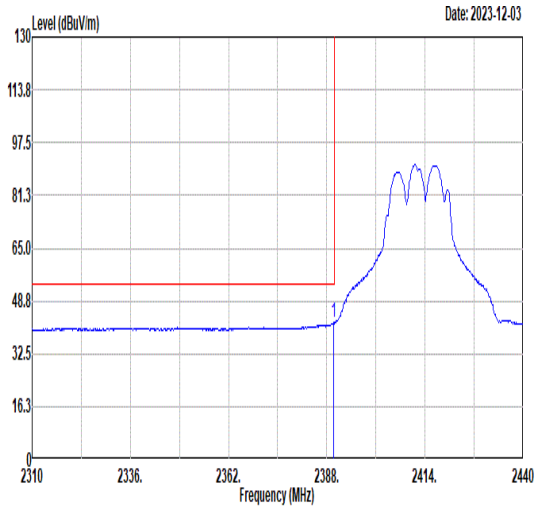
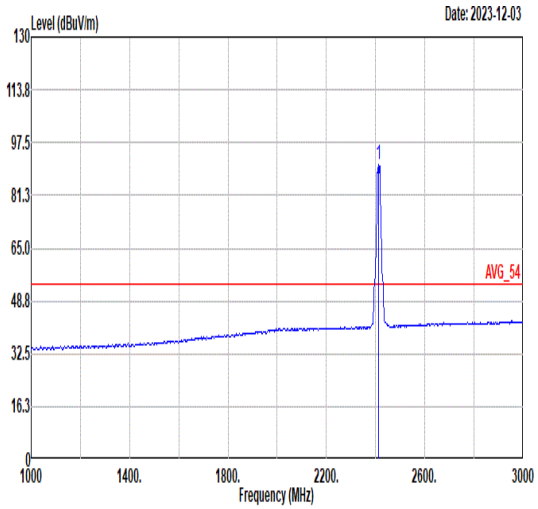
Mode	2	
	Harmonic	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	7+8	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 43.26 74.00 -30.74 58.64 34.37 7.77 57.52 -- -- Peak 2 7311.00 42.89 74.00 -31.11 56.83 36.05 8.93 58.92 -- -- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 41.51 74.00 -32.49 56.89 34.37 7.77 57.52 -- -- Peak 2 7311.00 42.86 74.00 -31.14 56.80 36.05 8.93 58.92 -- -- Peak

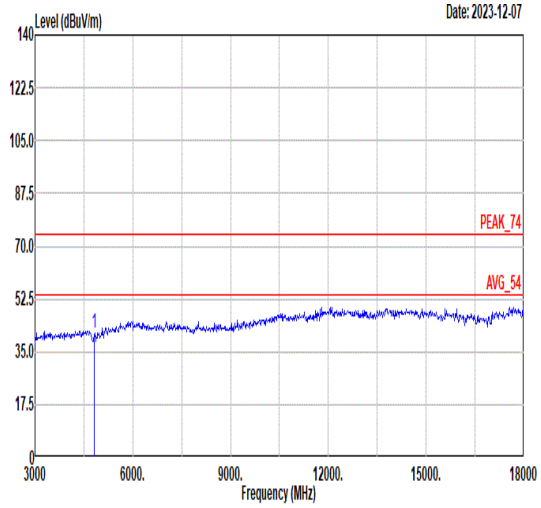
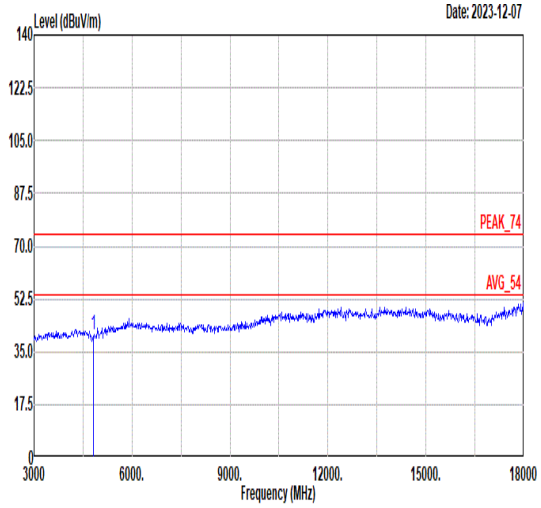
Mode	3	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2499.73 52.07 74.00 -21.93 48.32 32.41 4.94 33.60 130 58 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 103.58 ------ ------ 99.92 32.39 4.89 33.62 130 58 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.23 41.42 54.00 -12.58 37.71 32.40 4.92 33.61 130 58 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 101.31 ------ ------ 97.65 32.39 4.89 33.62 130 58 AVERAGE

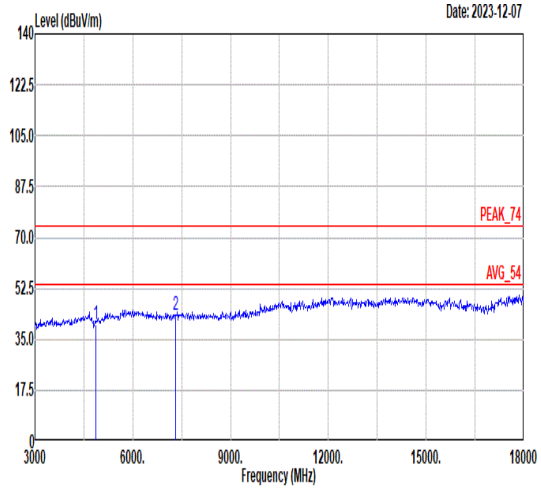
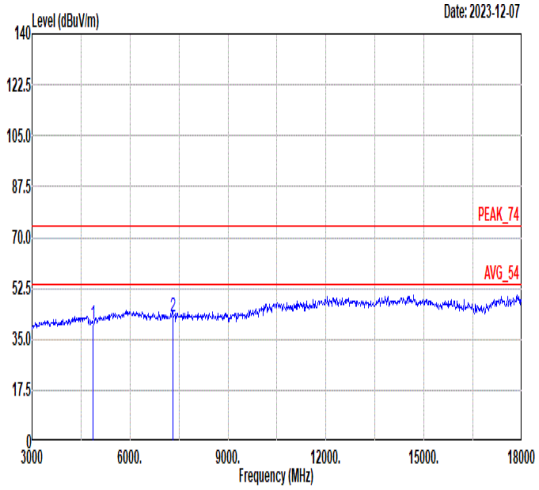
Mode	3	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2493.12 52.13 74.00 -21.87 48.41 32.40 4.93 33.61 375 172 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 100.44 ------ ------ 96.78 32.39 4.89 33.62 375 172 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2486.93 41.33 54.00 -12.67 37.62 32.40 4.92 33.61 375 172 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 98.24 ------ ------ 94.58 32.39 4.89 33.62 375 172 AVERAGE

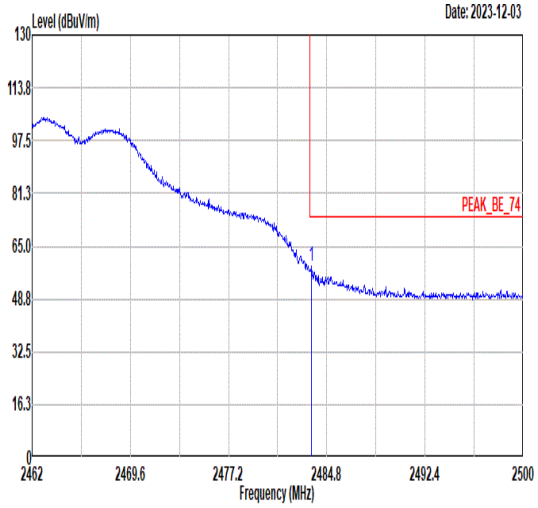
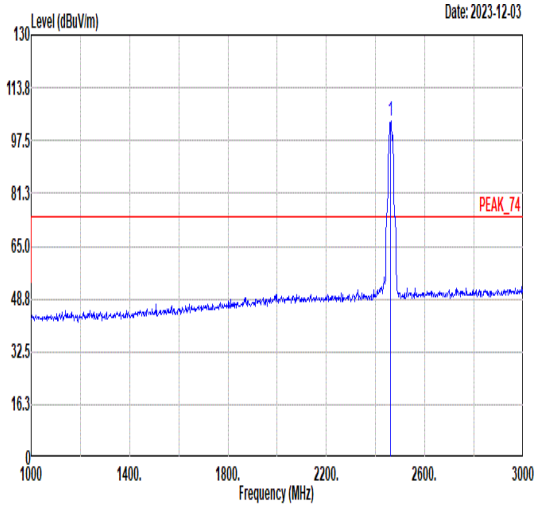
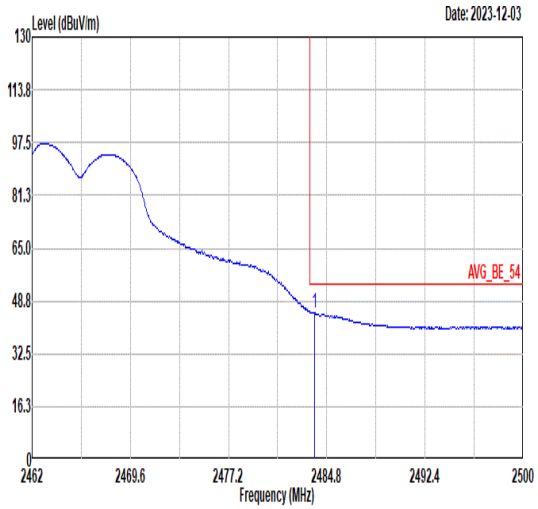
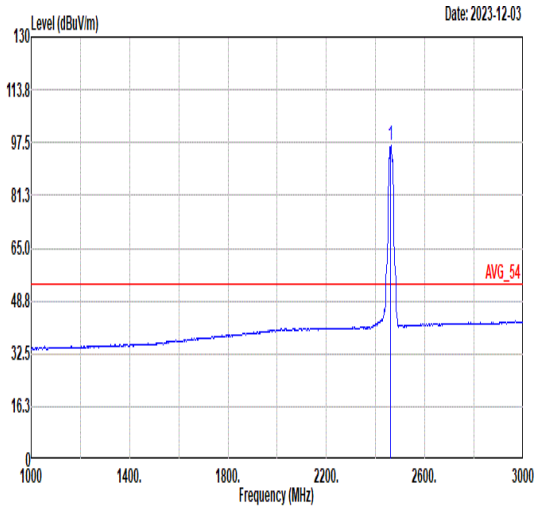
Mode	3	
	Harmonic	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	7+8	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 41.67 74.00 -32.33 57.09 34.34 7.79 57.55 -- -- Peak 2 7386.00 42.58 74.00 -31.42 56.37 35.99 9.17 58.95 -- -- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 40.53 74.00 -33.47 55.95 34.34 7.79 57.55 -- -- Peak 2 7386.00 43.11 74.00 -30.89 56.90 35.99 9.17 58.95 -- -- Peak

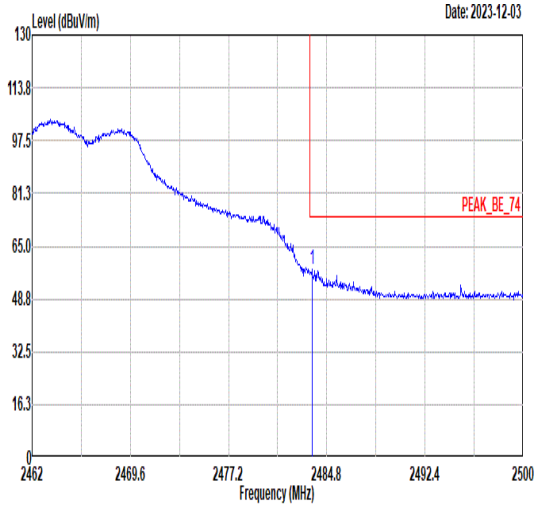
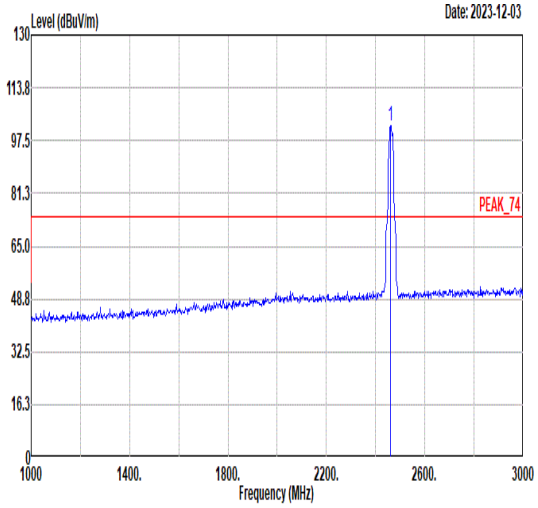
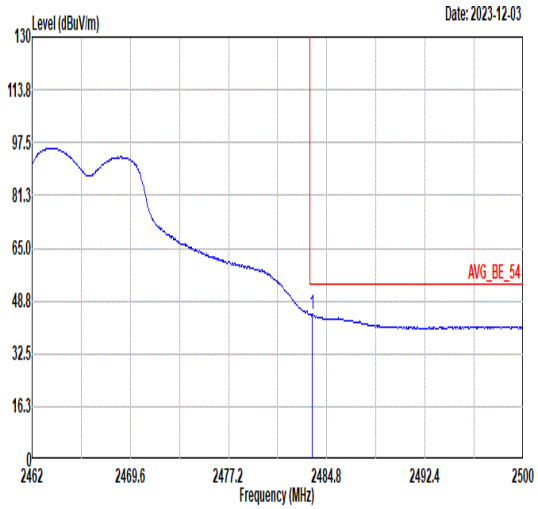
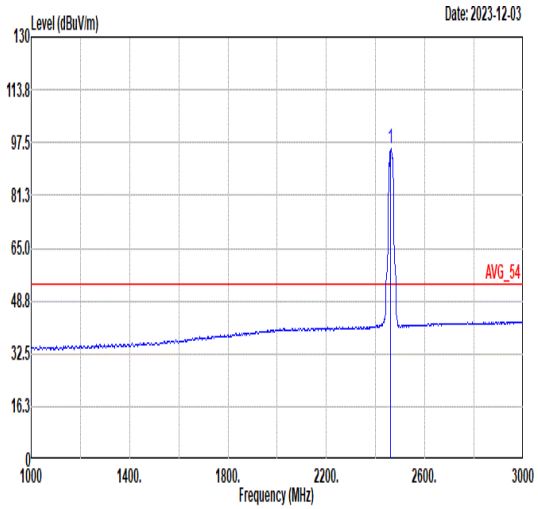
Mode	4	
	Band Edge	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.56 54.88 74.00 -19.12 51.39 32.36 4.80 33.67 115 118 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 101.83 ------ ------ 98.28 32.37 4.83 33.65 115 118 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.95 44.58 54.00 -9.42 41.09 32.36 4.80 33.67 115 118 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 95.37 ------ ------ 91.84 32.37 4.82 33.66 115 118 AVERAGE

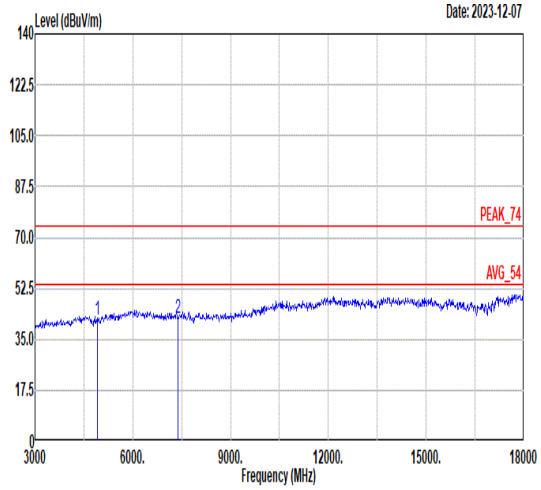
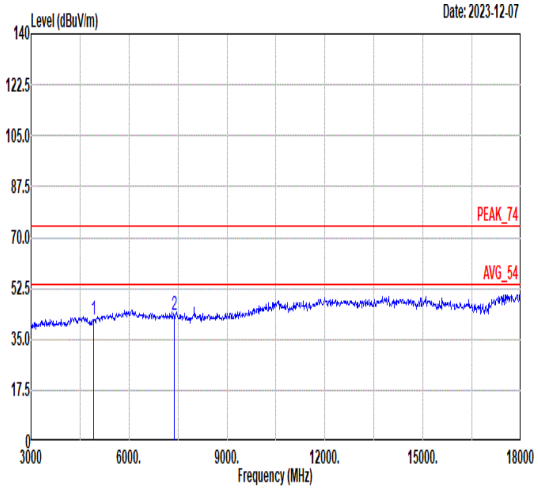
Mode	4	
	Band Edge	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2386.83 52.10 74.00 -21.90 48.62 32.36 4.79 33.67 355 216 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 96.65 ------ ------ 93.11 32.37 4.82 33.65 355 216 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.82 41.99 54.00 -12.01 38.50 32.36 4.80 33.67 355 216 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 90.59 ------ ------ 87.05 32.37 4.82 33.65 355 216 AVERAGE

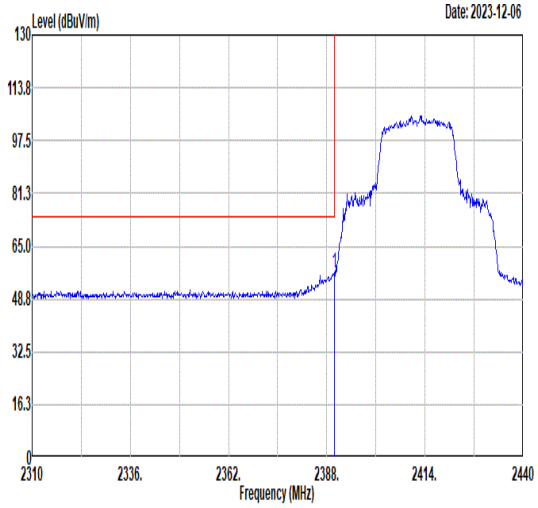
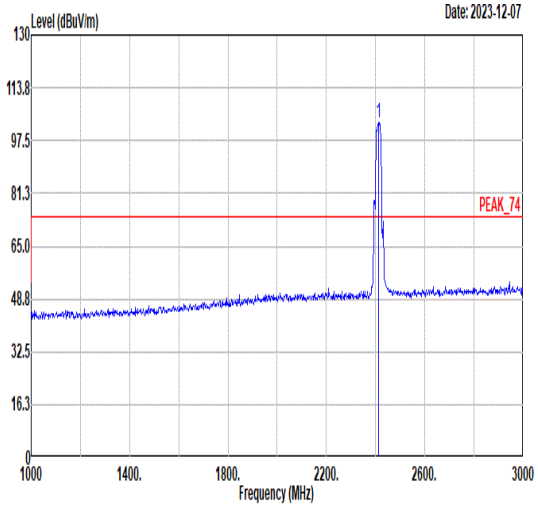
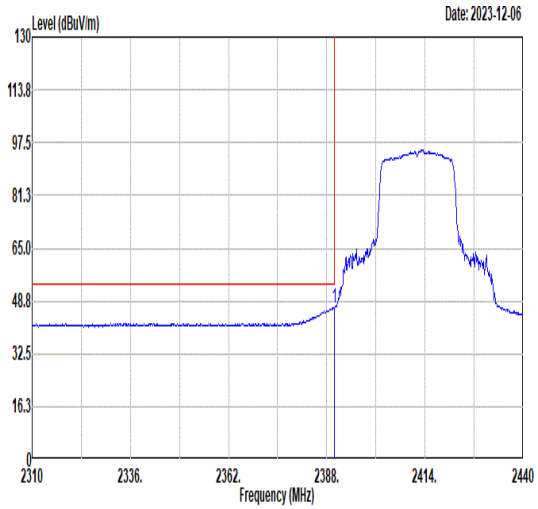
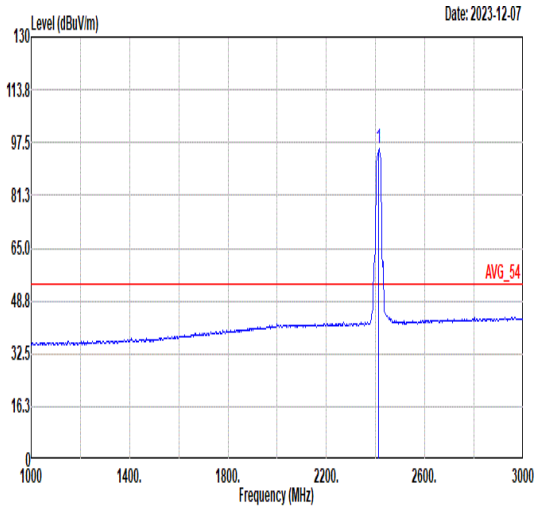
Mode	4	
	Harmonic	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	7+8	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 41.06 74.00 -32.94 56.39 34.40 7.75 57.48 -- -- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 40.92 74.00 -33.08 56.25 34.40 7.75 57.48 -- -- Peak

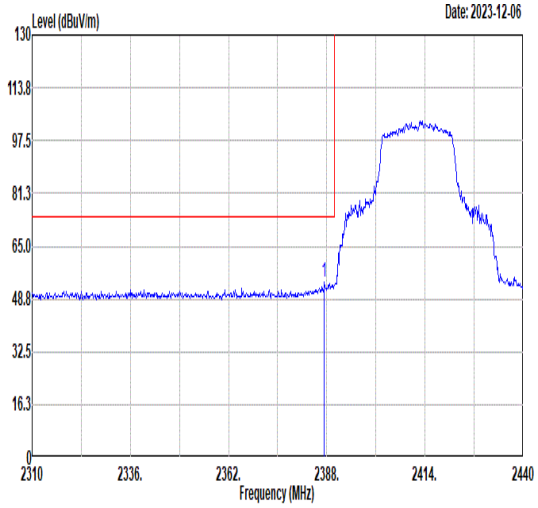
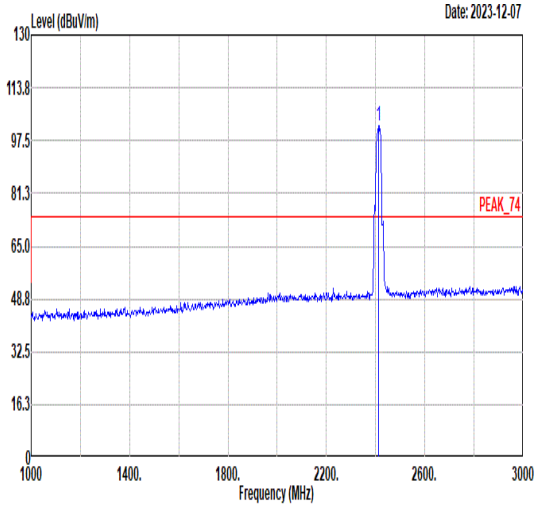
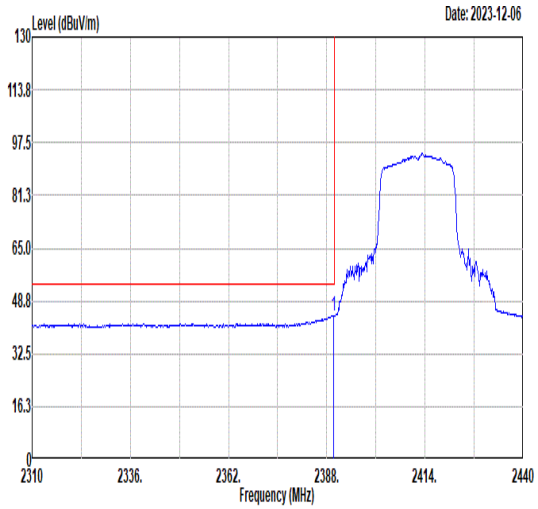
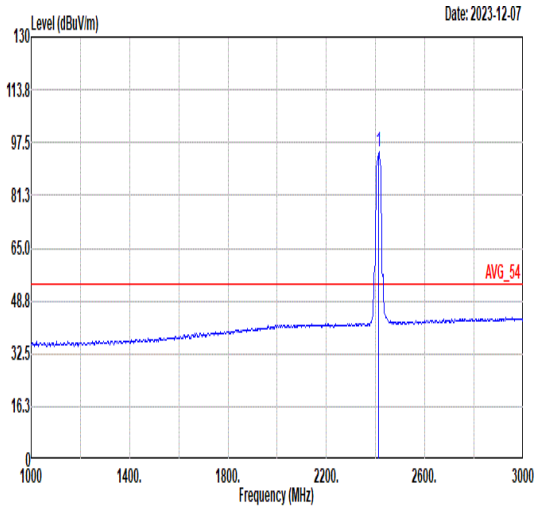
Mode	5	
	Harmonic	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	7+8	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 40.34 74.00 -33.66 55.72 34.37 7.77 57.52 -- -- Peak 2 7311.00 43.51 74.00 -30.49 57.45 36.05 8.93 58.92 -- -- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 39.99 74.00 -34.01 55.37 34.37 7.77 57.52 -- -- Peak 2 7311.00 42.92 74.00 -31.08 56.86 36.05 8.93 58.92 -- -- Peak

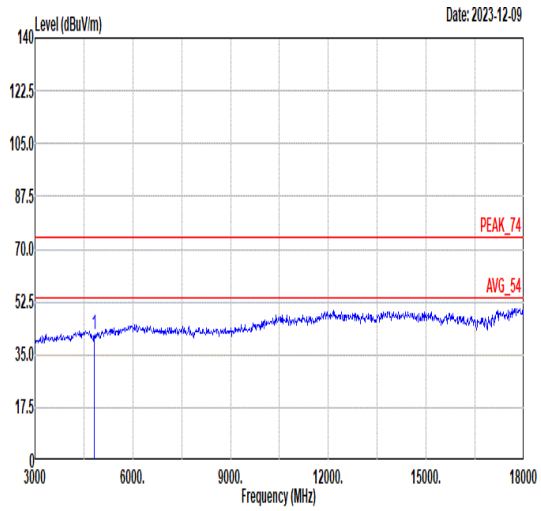
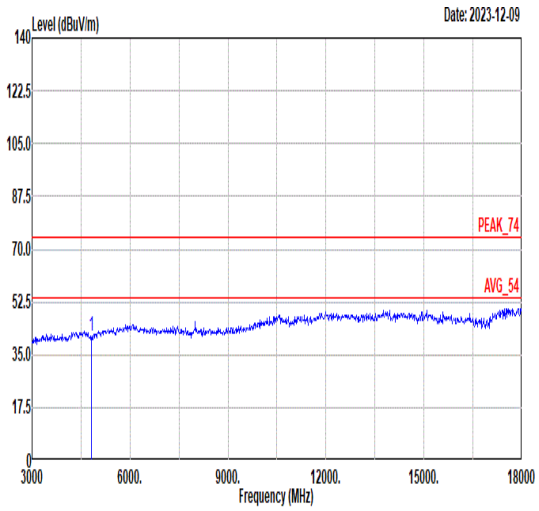
Mode	6	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.58 58.73 74.00 -15.27 55.03 32.39 4.92 33.61 102 124 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 103.29 ------ ------ 99.63 32.39 4.89 33.62 102 124 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.85 45.28 54.00 -8.72 41.57 32.40 4.92 33.61 102 124 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 96.54 ------ ------ 92.88 32.39 4.89 33.62 102 124 AVERAGE

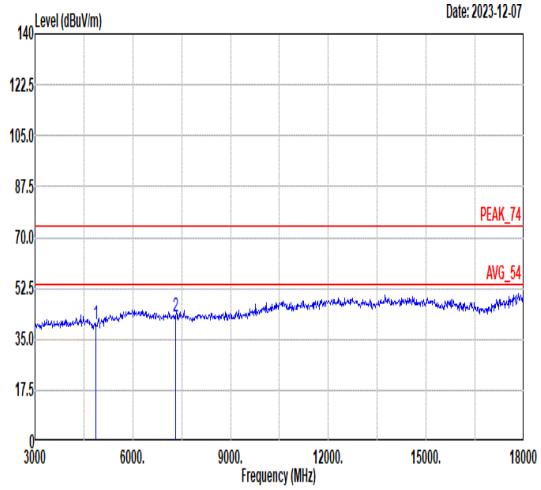
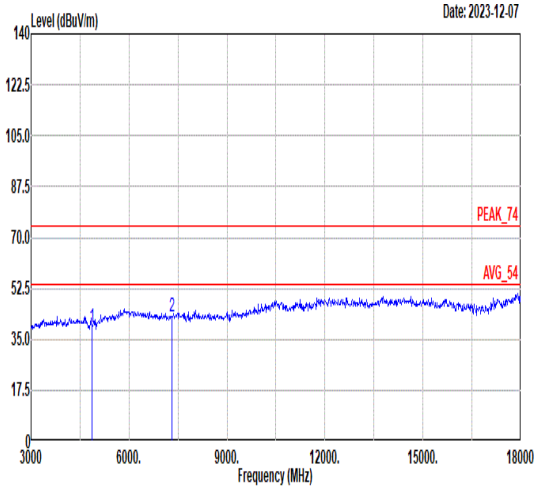
Mode	6	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.66 57.80 74.00 -16.20 54.10 32.39 4.92 33.61 381 233 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 102.21 ------ ------ 98.55 32.39 4.89 33.62 381 233 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.70 44.75 54.00 -9.25 41.04 32.40 4.92 33.61 381 233 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 95.58 ------ ------ 91.92 32.39 4.89 33.62 381 233 AVERAGE

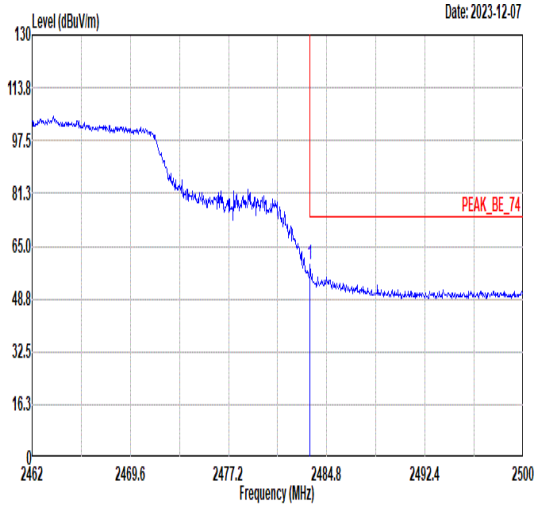
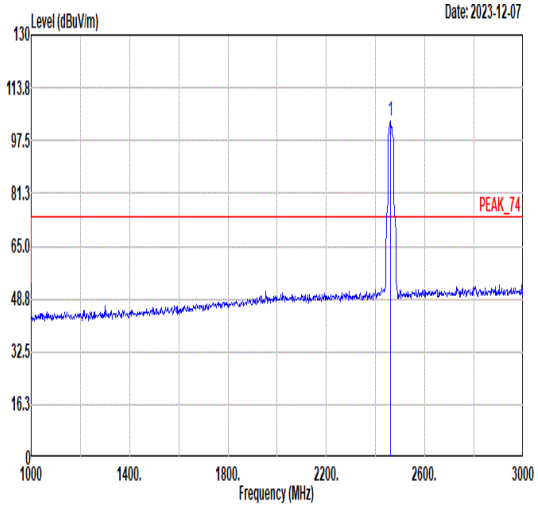
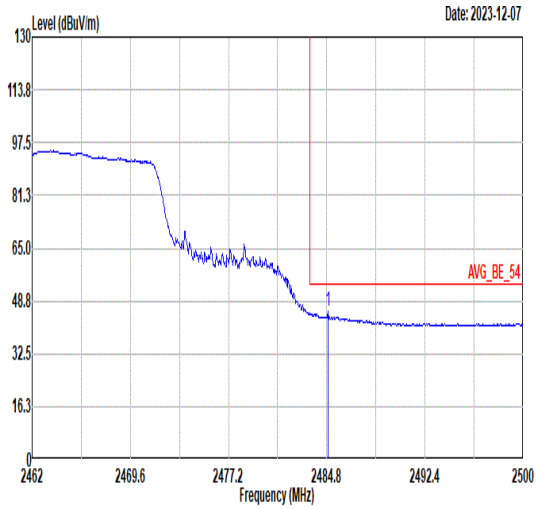
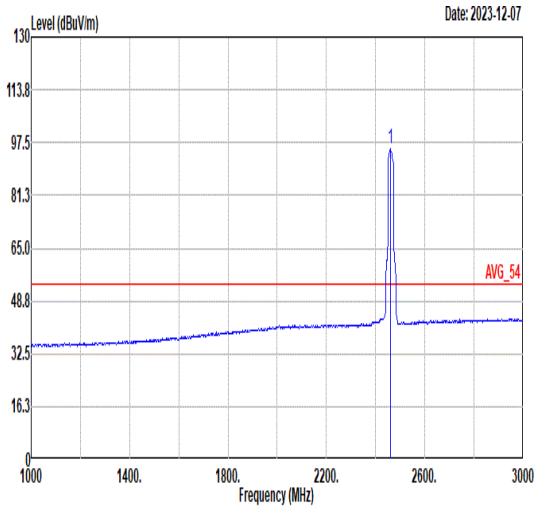
Mode	6	
	Harmonic	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	7+8	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 41.68 74.00 -32.32 57.10 34.34 7.79 57.55 -- -- Peak 2 7386.00 42.32 74.00 -31.68 56.11 35.99 9.17 58.95 -- -- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 41.62 74.00 -32.38 57.04 34.34 7.79 57.55 -- -- Peak 2 7386.00 43.31 74.00 -30.69 57.10 35.99 9.17 58.95 -- -- Peak

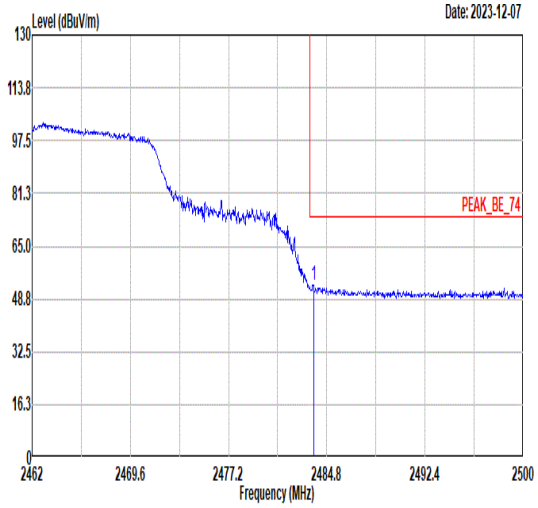
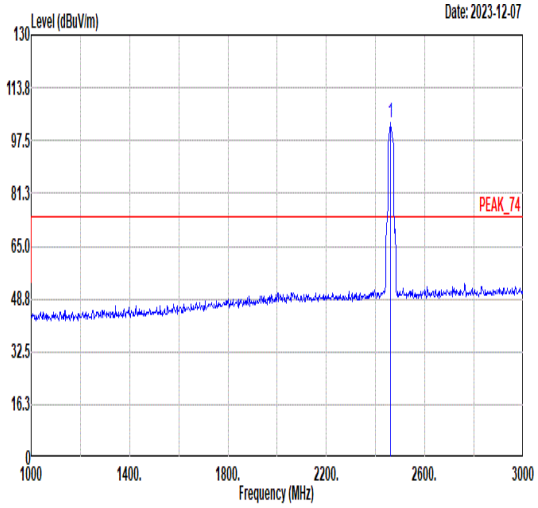
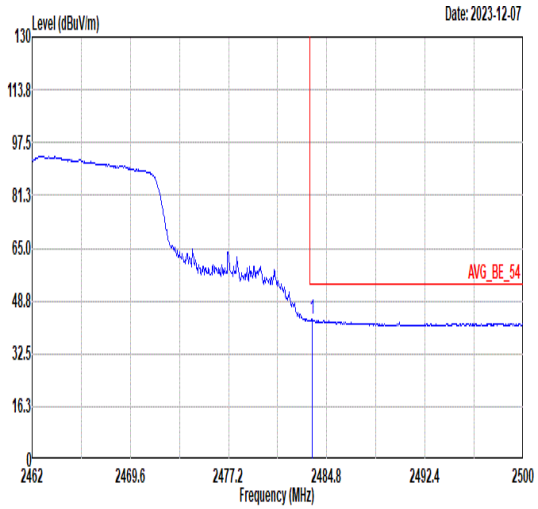
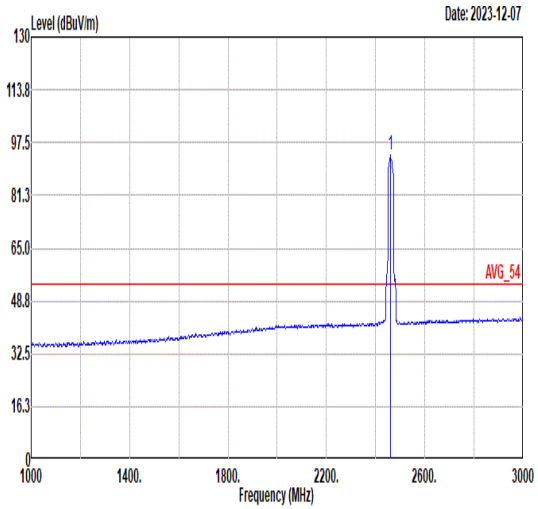
Mode	7	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_Full RU _2412MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.95 56.92 74.00 -17.08 53.43 32.36 4.80 33.67 126 278 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 103.20 ------ ------ 99.66 32.37 4.82 33.65 126 278 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.95 46.85 54.00 -7.15 43.36 32.36 4.80 33.67 126 278 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 95.58 ------ ------ 92.04 32.37 4.82 33.65 126 278 AVERAGE

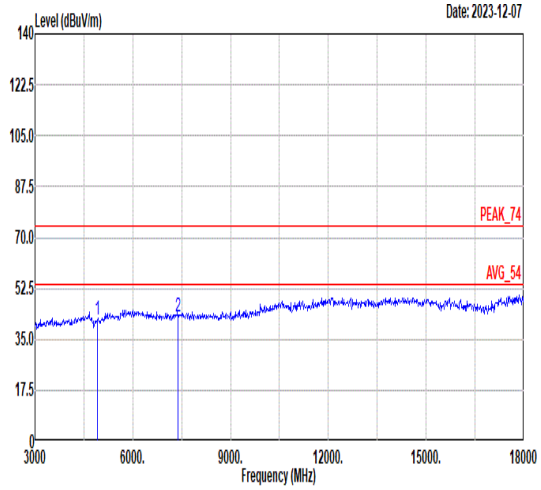
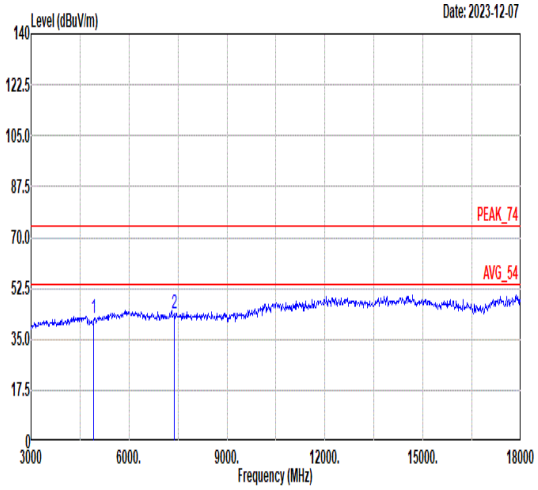
Mode	7	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_Full RU _2412MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2387.35 54.09 74.00 -19.91 50.61 32.36 4.79 33.67 400 233 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 102.03 ------ ------ 98.49 32.37 4.82 33.65 400 233 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.82 44.32 54.00 -9.68 40.83 32.36 4.80 33.67 400 233 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 94.45 ------ ------ 90.91 32.37 4.82 33.65 400 233 AVERAGE

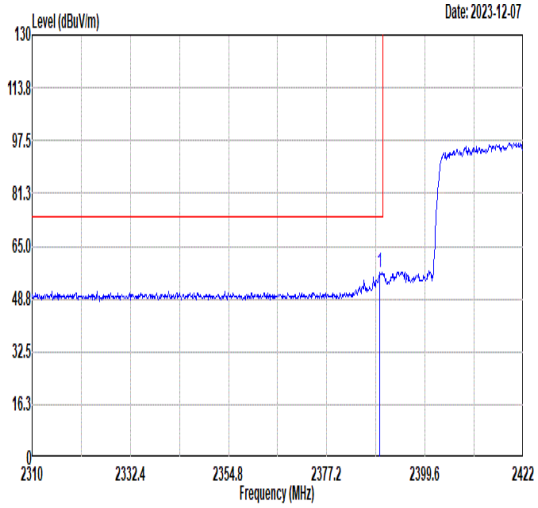
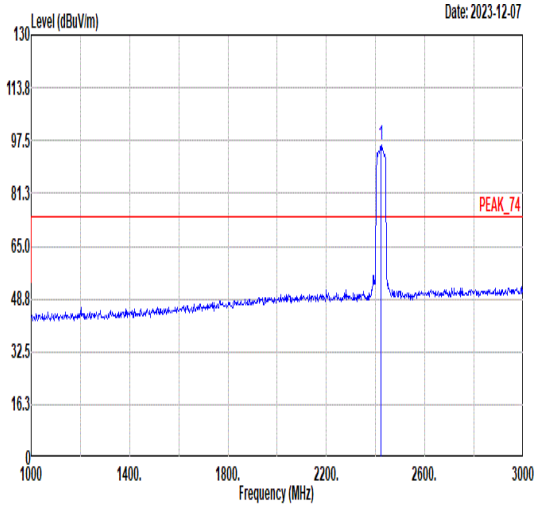
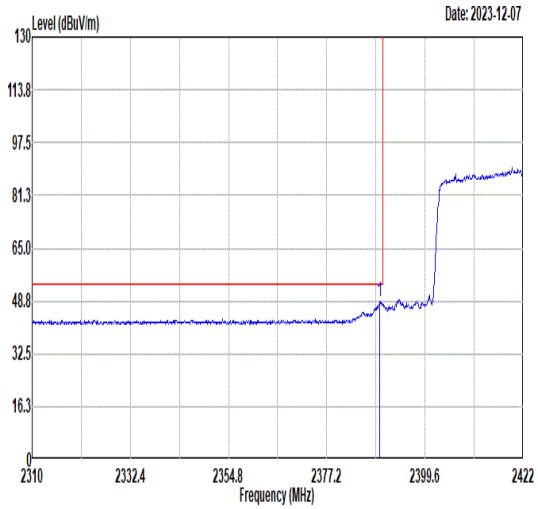
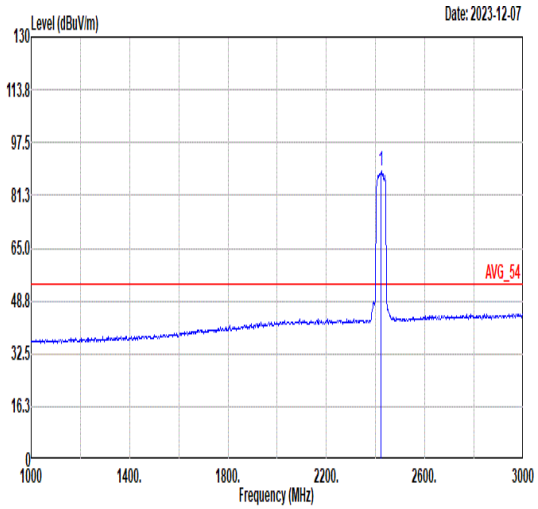
Mode	7	
	Harmonic	
	2400-2483.5_802.11ax HE20_CH01_Full RU _2412MHz	
ANT	7+8	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 41.91 74.00 -32.09 57.24 34.40 7.75 57.48 -- -- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 41.38 74.00 -32.62 56.71 34.40 7.75 57.48 -- -- Peak

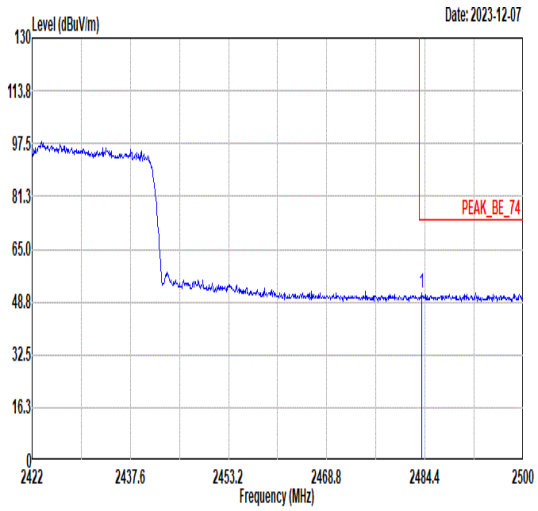
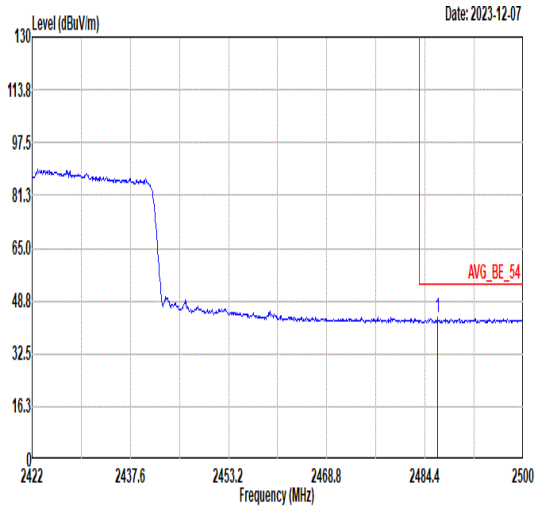
Mode	8	
	Harmonic	
	2400-2483.5_802.11ax HE20_CH06_Full RU _2437MHz	
ANT	7+8	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 40.12 74.00 -33.88 55.50 34.37 7.77 57.52 -- -- Peak 2 7311.00 42.86 74.00 -31.14 56.80 36.05 8.93 58.92 -- -- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 39.34 74.00 -34.66 54.72 34.37 7.77 57.52 -- -- Peak 2 7311.00 42.81 74.00 -31.19 56.75 36.05 8.93 58.92 -- -- Peak

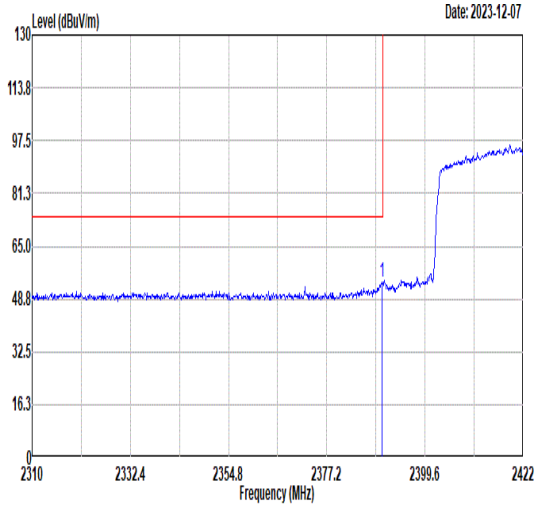
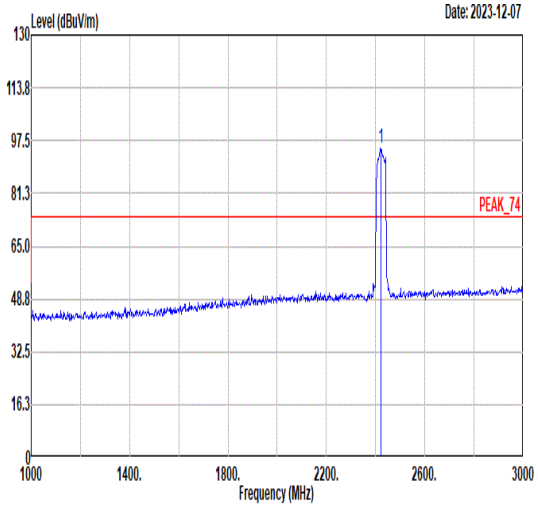
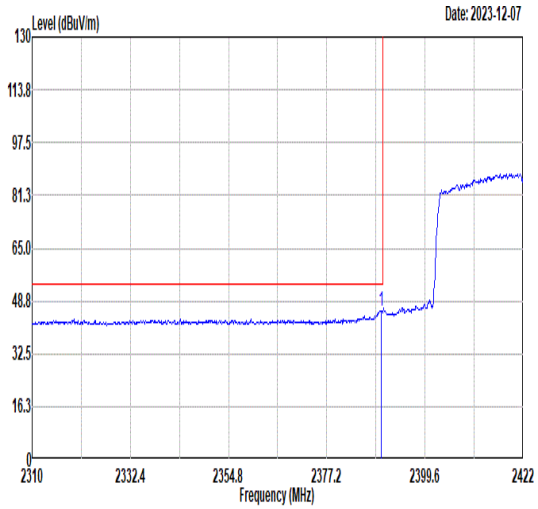
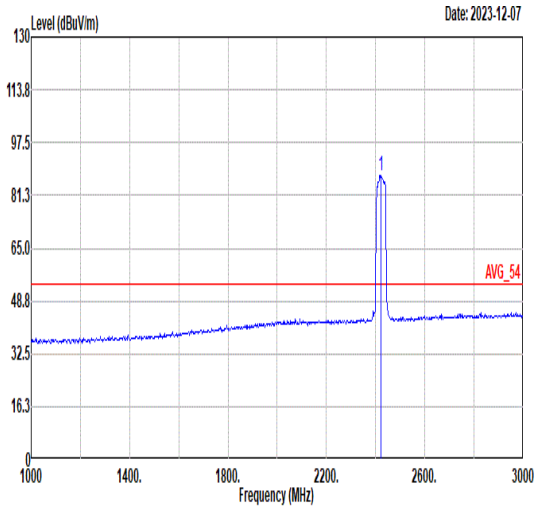
Mode	9	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_Full RU _2462MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.51 59.39 74.00 -14.61 55.69 32.39 4.92 33.61 109 134 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 103.30 ------ ------ 99.64 32.39 4.89 33.62 109 134 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.88 45.59 54.00 -8.41 41.88 32.40 4.92 33.61 109 134 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 95.65 ------ ------ 92.00 32.39 4.89 33.63 109 134 AVERAGE

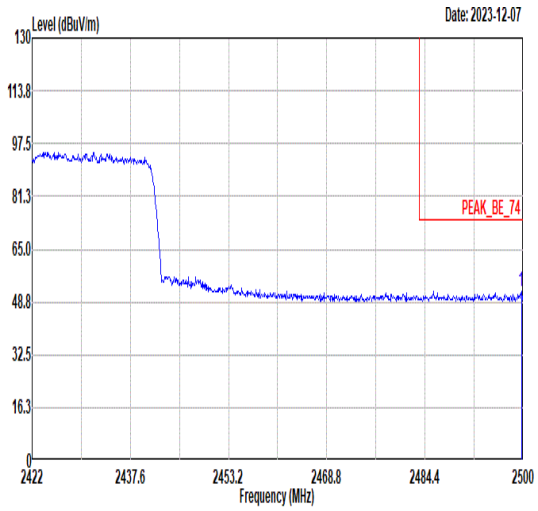
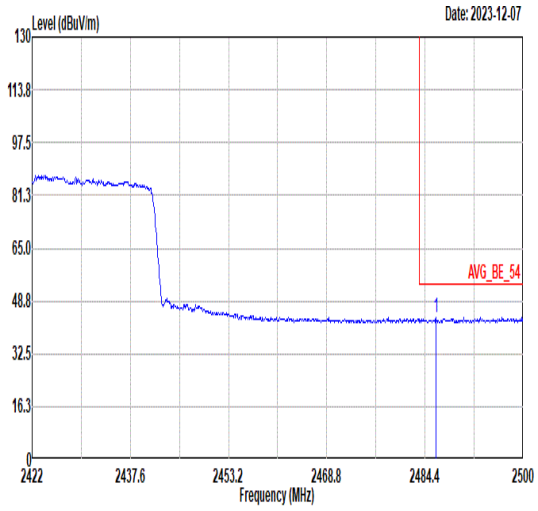
Mode	9	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_Full RU _2462MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.77 53.09 74.00 -20.91 49.38 32.40 4.92 33.61 379 247 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 103.00 ------ ------ 99.35 32.39 4.89 33.63 379 247 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.66 43.32 54.00 -10.68 39.62 32.39 4.92 33.61 379 247 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 93.51 ------ ------ 89.86 32.39 4.89 33.63 379 247 AVERAGE

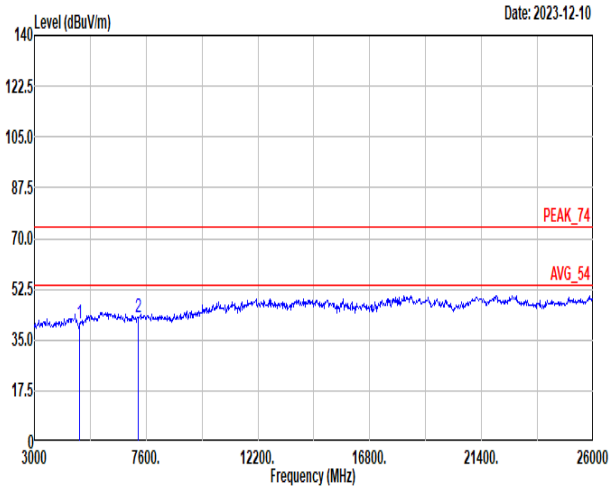
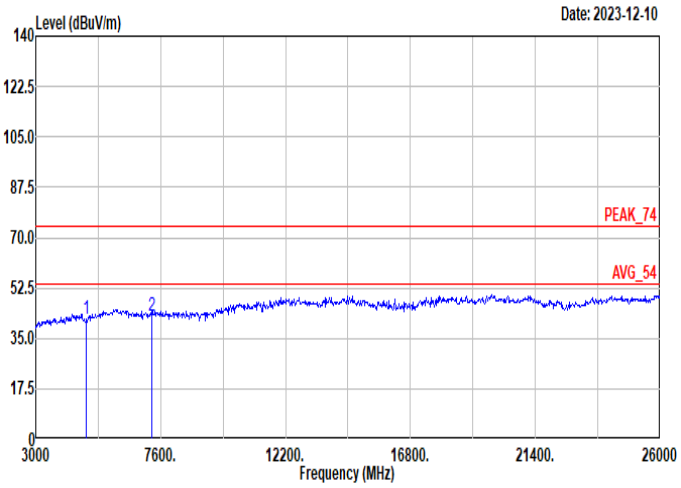
Mode	9	
	Harmonic	
	2400-2483.5_802.11ax HE20_CH11_Full RU _2462MHz	
ANT	7+8	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 41.58 74.00 -32.42 57.00 34.34 7.79 57.55 -- -- Peak 2 7386.00 42.57 74.00 -31.43 56.36 35.99 9.17 58.95 -- -- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 42.07 74.00 -31.93 57.49 34.34 7.79 57.55 -- -- Peak 2 7386.00 43.97 74.00 -30.03 57.76 35.99 9.17 58.95 -- -- Peak

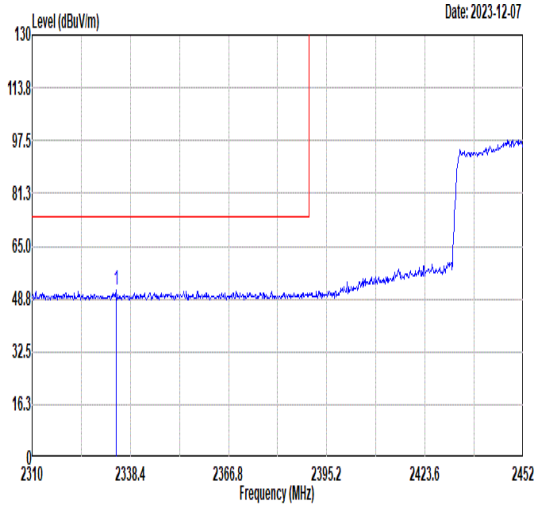
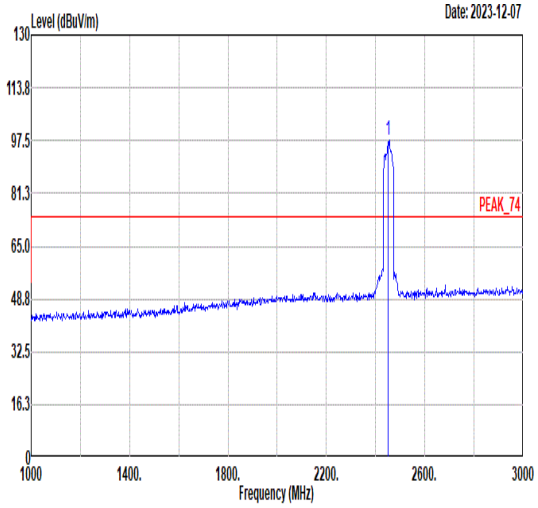
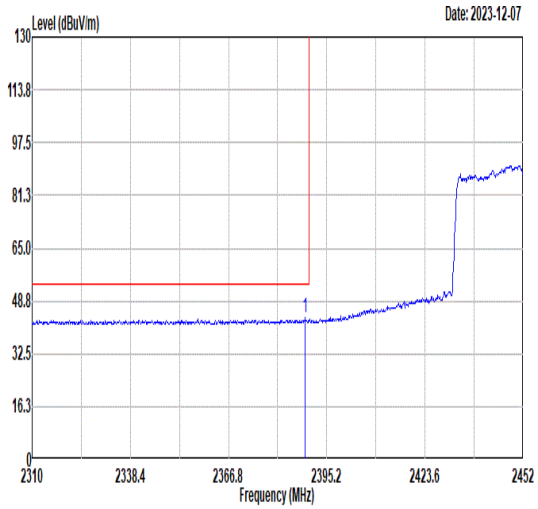
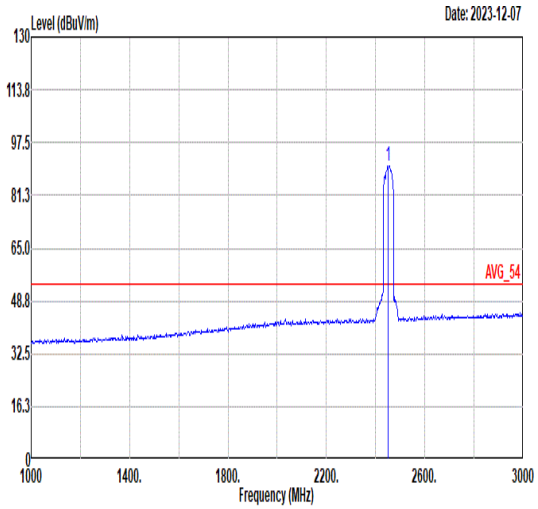
Mode	10	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH03_Full RU _2422MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.30 56.74 74.00 -17.26 53.26 32.36 4.79 33.67 100 281 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2422.00 96.24 ------ ------ 92.68 32.37 4.84 33.65 100 281 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.30 48.68 54.00 -5.32 45.20 32.36 4.79 33.67 100 281 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2422.00 88.92 ------ ------ 85.36 32.37 4.84 33.65 100 281 AVERAGE

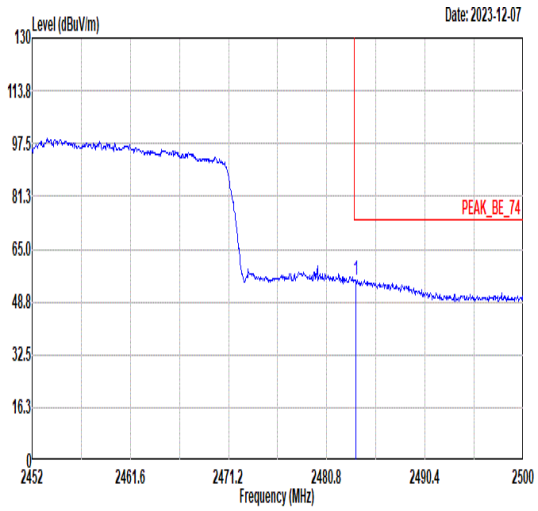
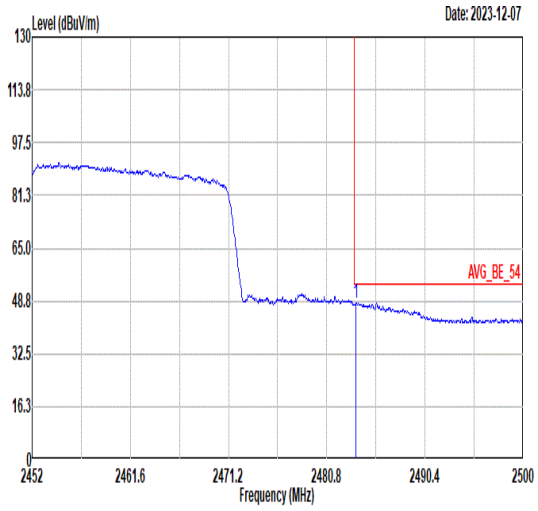
Mode	10	
	Band Edge - R	
	2400-2483.5_802.11ax HE40_CH03_Full RU _2422MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.93 51.55 74.00 -22.45 47.84 32.40 4.92 33.61 100 281 PEAK	Blank
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2486.35 43.47 54.00 -10.53 39.76 32.40 4.92 33.61 100 281 AVERAGE	Blank

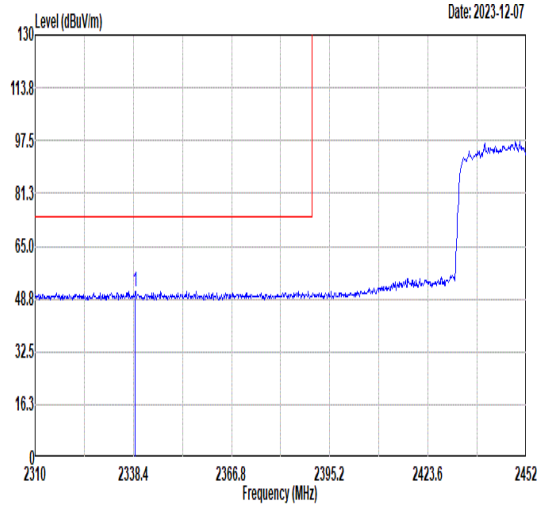
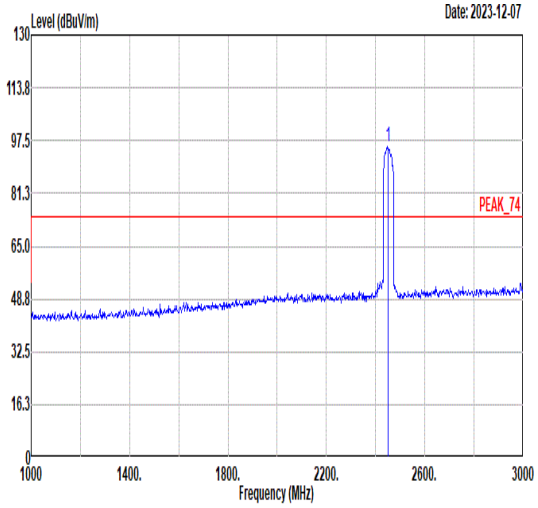
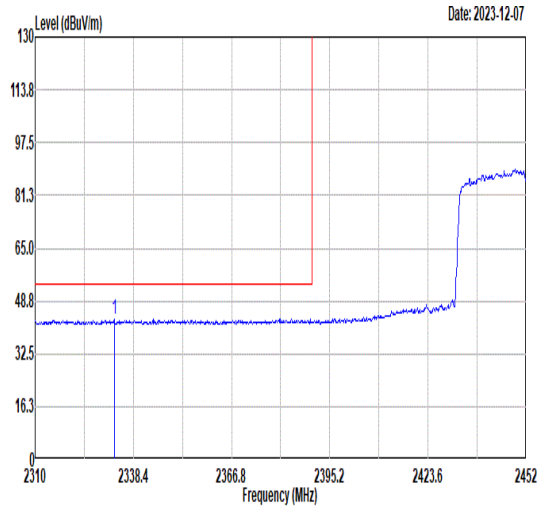
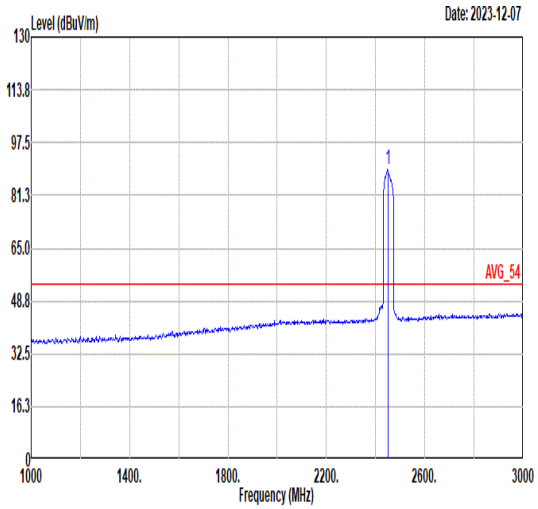
Mode	10	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH03_Full RU _2422MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.86 54.11 74.00 -19.89 50.62 32.36 4.80 33.67 396 236 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2422.00 95.10 ------ ------ 91.55 32.37 4.83 33.65 396 236 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.63 45.86 54.00 -8.14 42.37 32.36 4.80 33.67 396 236 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2422.00 87.50 ------ ------ 83.95 32.37 4.83 33.65 396 236 AVERAGE

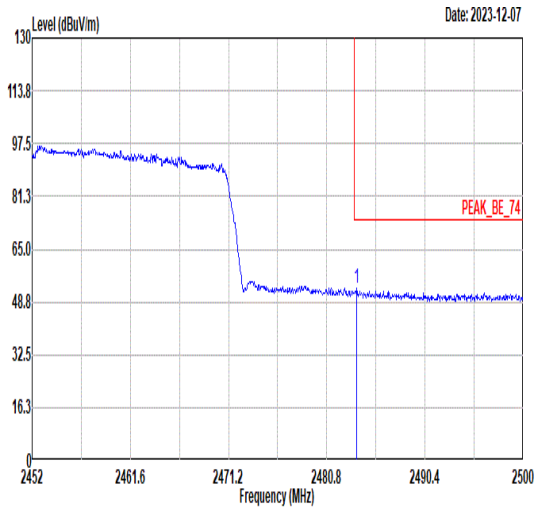
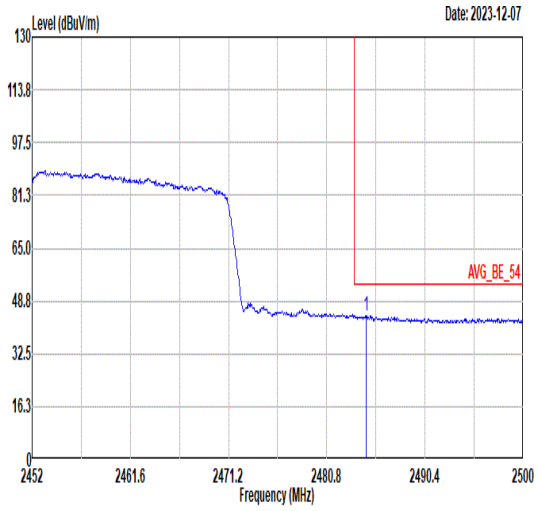
Mode	10	
	Band Edge - R	
	2400-2483.5_802.11ax HE40_CH03_Full RU _2422MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2499.69 51.85 74.00 -22.15 48.10 32.41 4.94 33.60 396 236 PEAK	Blank
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2486.19 43.72 54.00 -10.28 40.01 32.40 4.92 33.61 396 236 AVERAGE	Blank

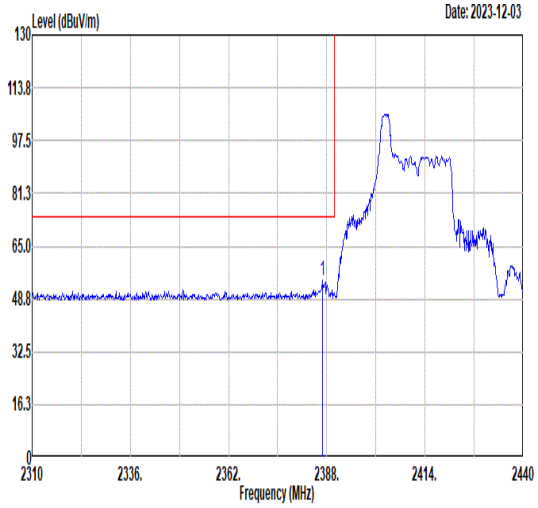
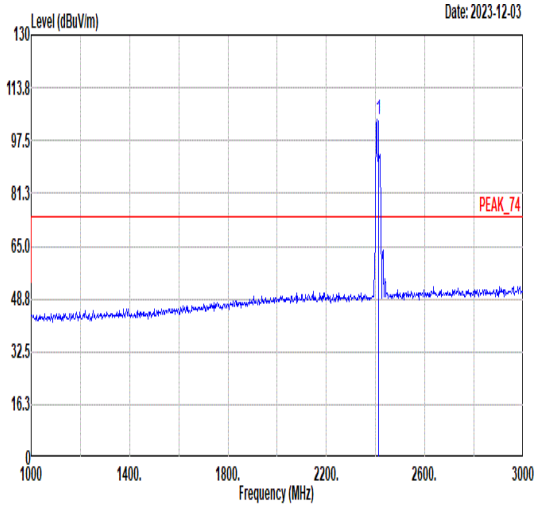
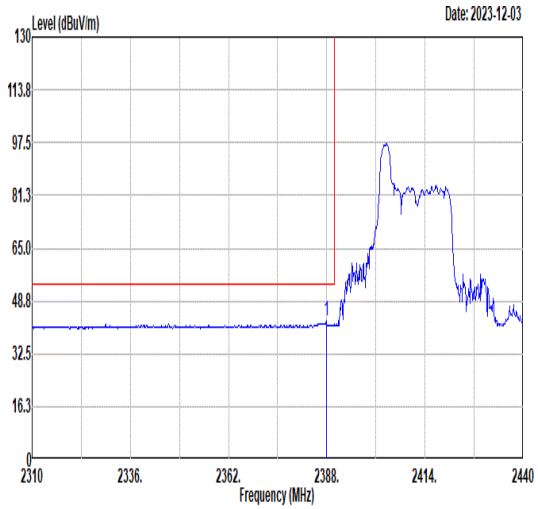
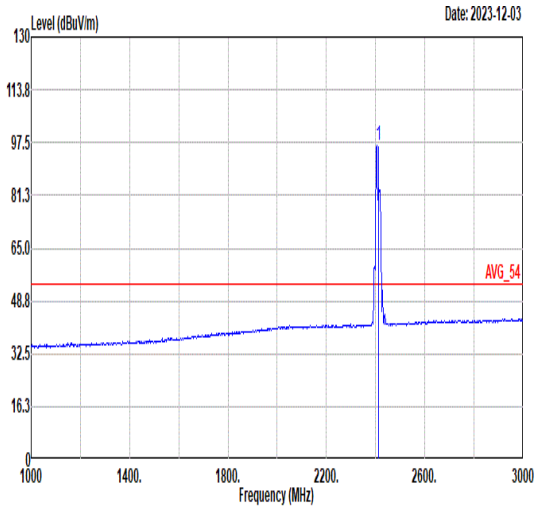
Mode	10	
	Harmonic	
	2400-2483.5_802.11ax HE40_CH03_Full RU _2422MHz	
ANT	7+8	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4844.00 40.83 74.00 -33.17 56.17 34.39 7.76 57.49 -- -- Peak 2 7266.00 42.90 74.00 -31.10 56.94 36.08 8.79 58.91 -- -- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4844.00 41.72 74.00 -32.28 57.06 34.39 7.76 57.49 -- -- Peak 2 7266.00 43.03 74.00 -30.97 57.07 36.08 8.79 58.91 -- -- Peak

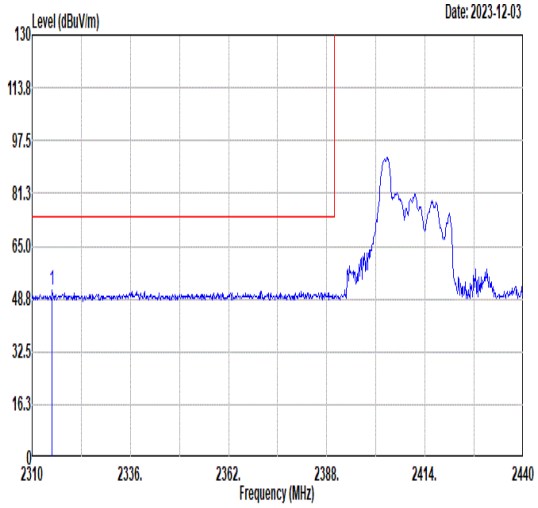
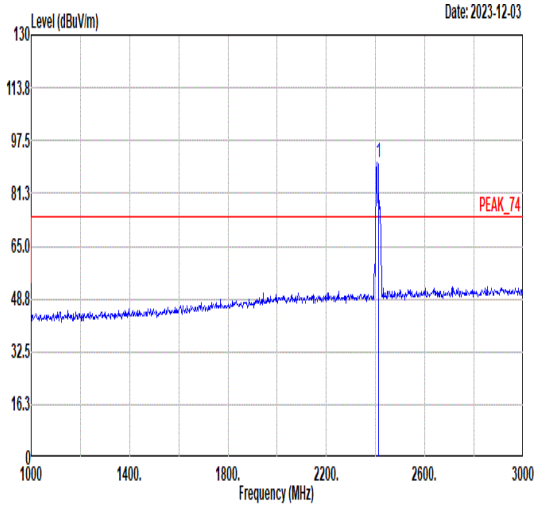
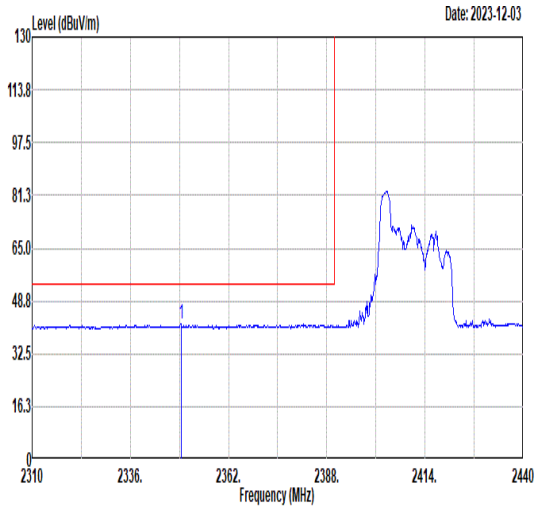
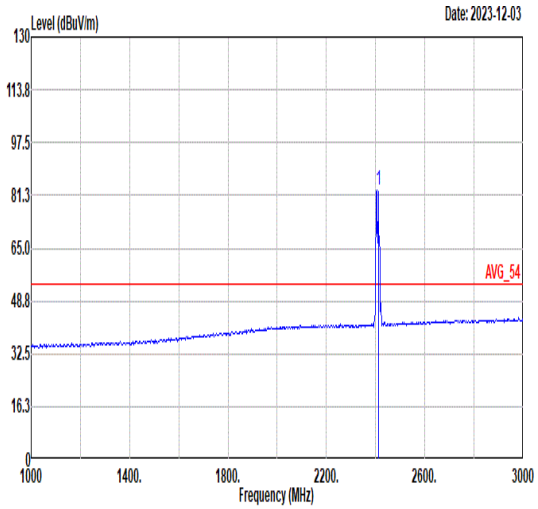
Mode	11	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH09_Full RU _2452MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2334.28 51.46 74.00 -22.54 48.09 32.33 4.74 33.70 115 134 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2452.00 97.74 ------ ------ 94.11 32.38 4.88 33.63 115 134 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2388.95 43.44 54.00 -10.56 39.96 32.36 4.79 33.67 115 134 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2452.00 90.40 ------ ------ 86.77 32.38 4.88 33.63 115 134 AVERAGE

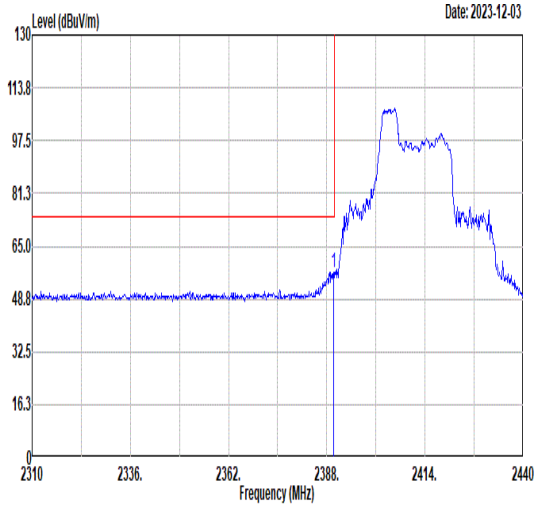
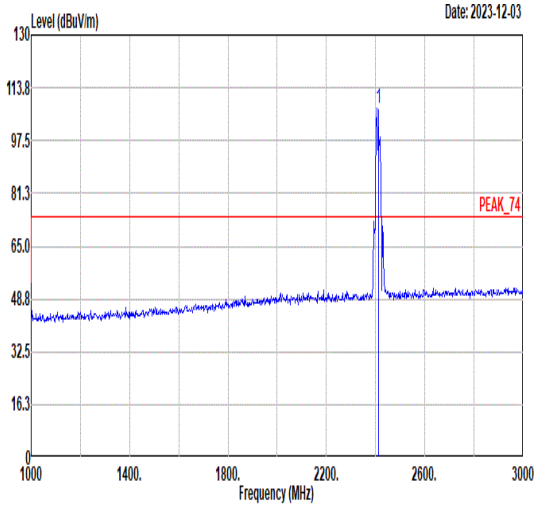
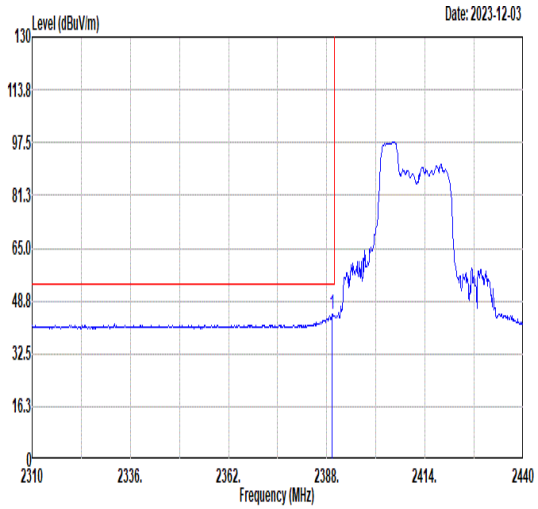
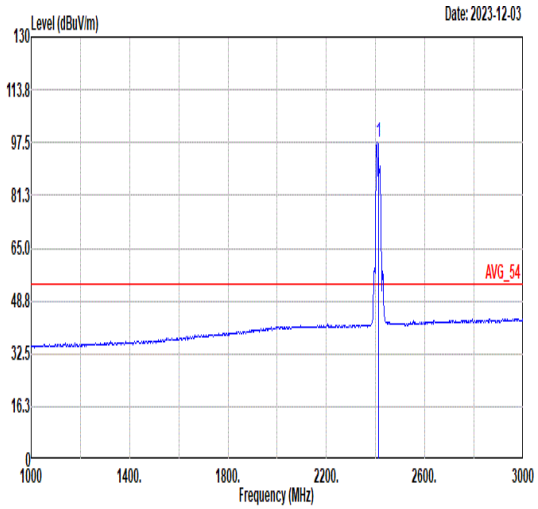
Mode	11	
	Band Edge - R	
	2400-2483.5_802.11ax HE40_CH09_Full RU _2452MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.63 55.58 74.00 -18.42 51.88 32.39 4.92 33.61 115 134 PEAK	Blank
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.63 48.12 54.00 -5.88 44.42 32.39 4.92 33.61 115 134 AVERAGE	Blank

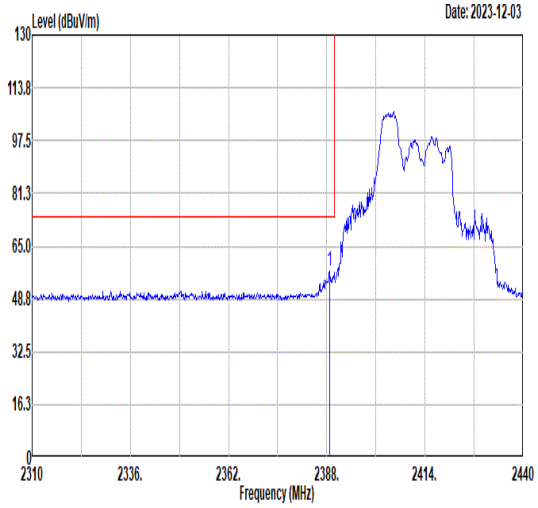
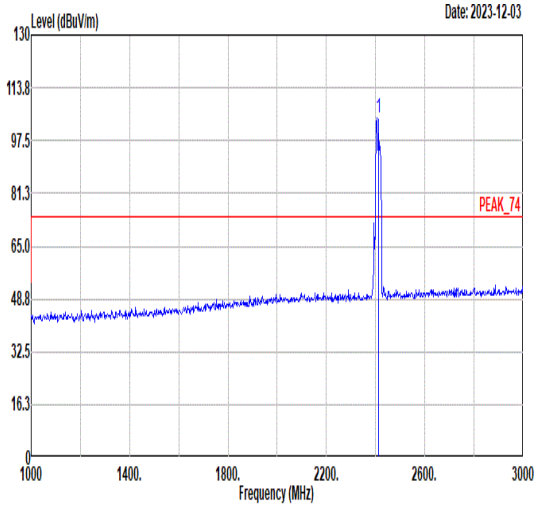
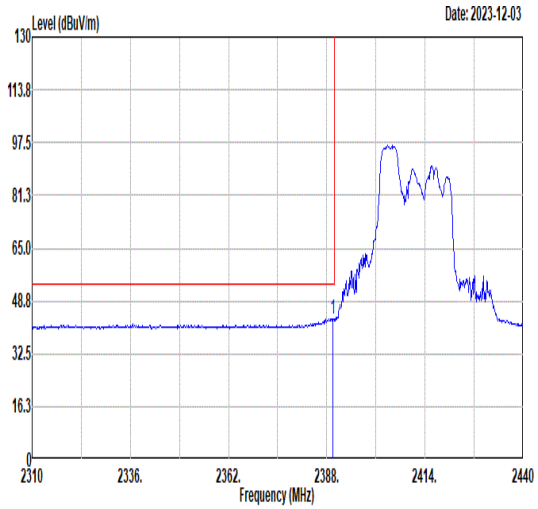
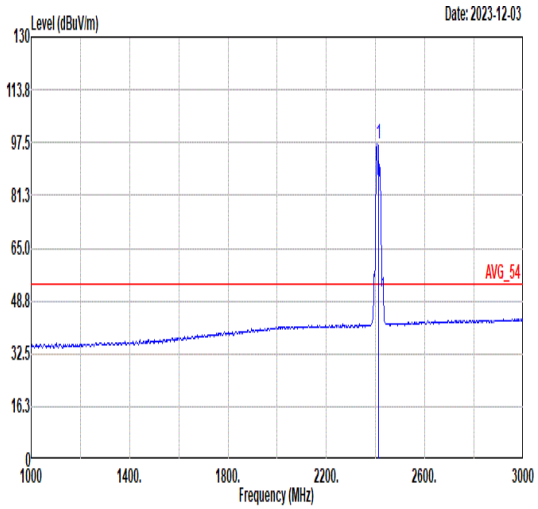
Mode	11	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH09_Full RU _2452MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2338.97 51.19 74.00 -22.81 47.81 32.34 4.74 33.70 387 236 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2452.00 95.71 ------ ------ 92.09 32.38 4.87 33.63 387 236 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2332.86 43.34 54.00 -10.66 39.97 32.33 4.74 33.70 387 236 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2452.00 89.04 ------ ------ 85.42 32.38 4.87 33.63 387 236 AVERAGE

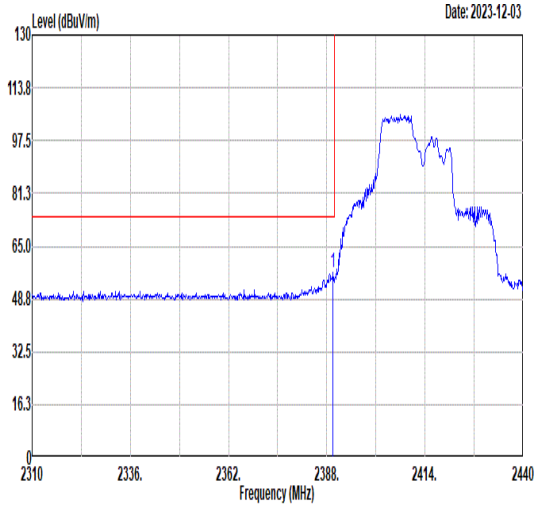
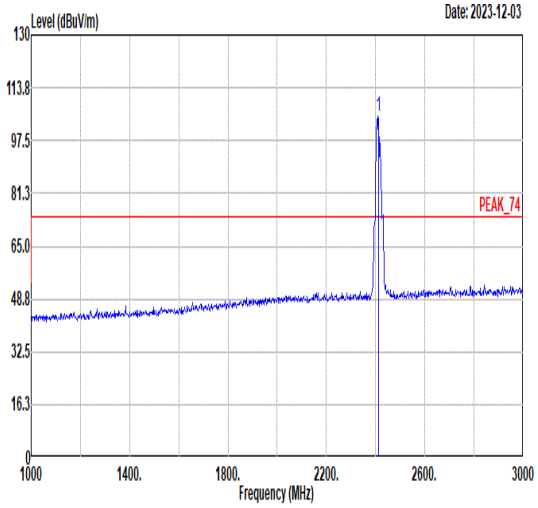
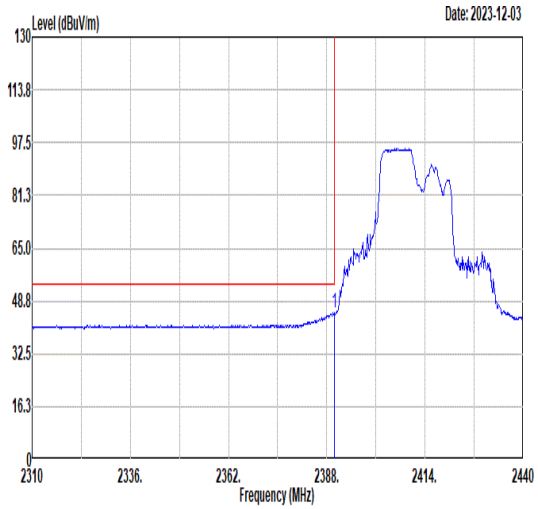
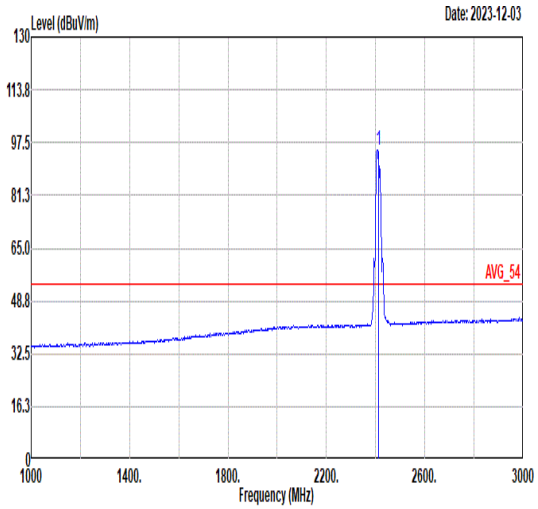
Mode	11	
	Band Edge - R	
	2400-2483.5_802.11ax HE40_CH09_Full RU _2452MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.73 52.94 74.00 -21.06 49.23 32.40 4.92 33.61 387 236 PEAK	Blank
Avg	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.64 44.12 54.00 -9.88 40.41 32.40 4.92 33.61 387 236 AVERAGE	Blank

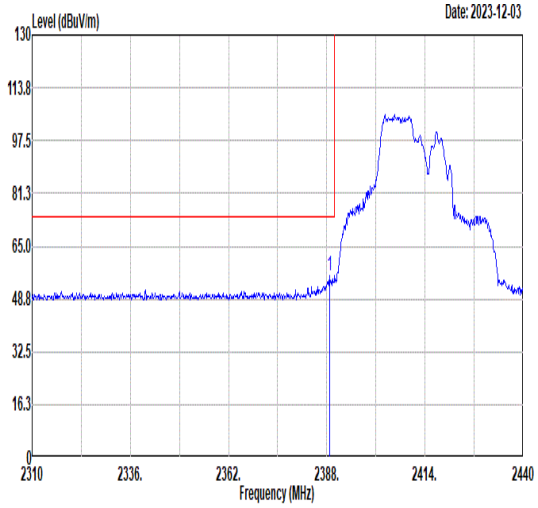
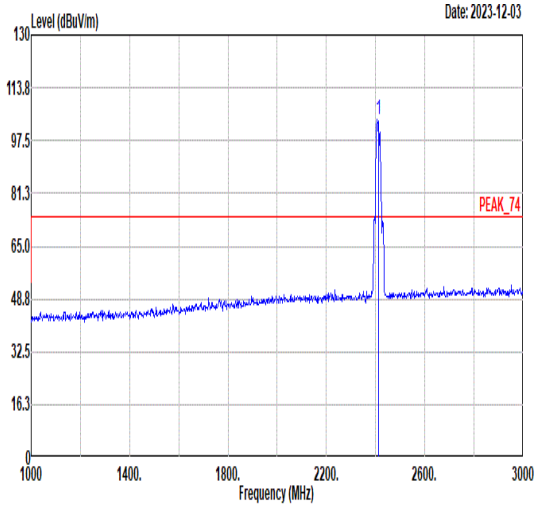
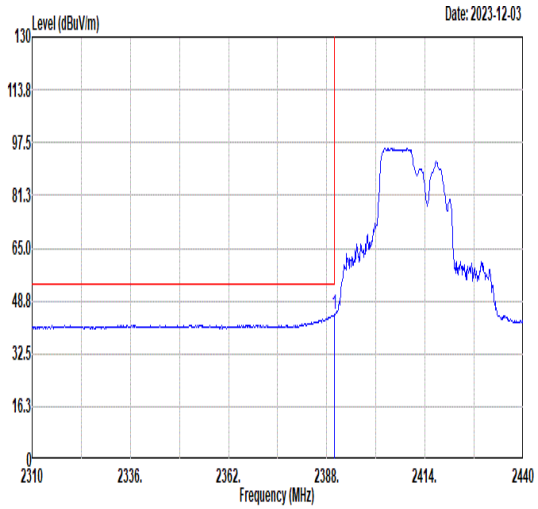
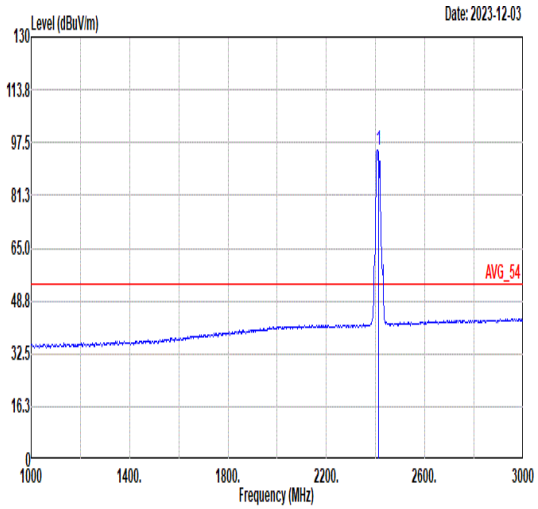
Mode	12	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_Partial_RU26/0_2412MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2386.96 54.68 74.00 -19.32 51.20 32.36 4.79 33.67 400 309 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 103.92 ------ ------ 100.41 32.36 4.81 33.66 400 309 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2387.87 42.64 54.00 -11.36 39.16 32.36 4.79 33.67 400 309 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 96.47 ------ ------ 92.96 32.36 4.81 33.66 400 309 AVERAGE

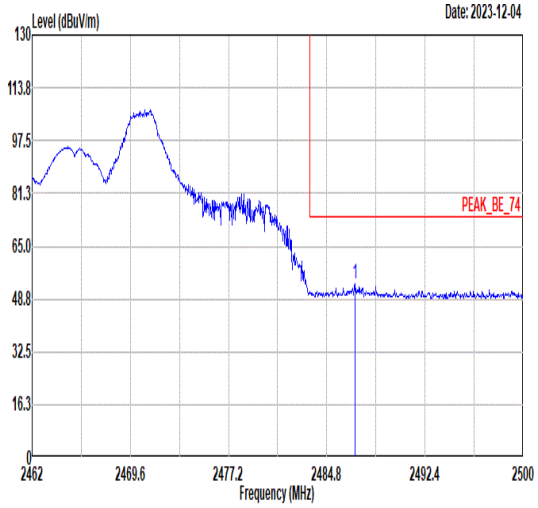
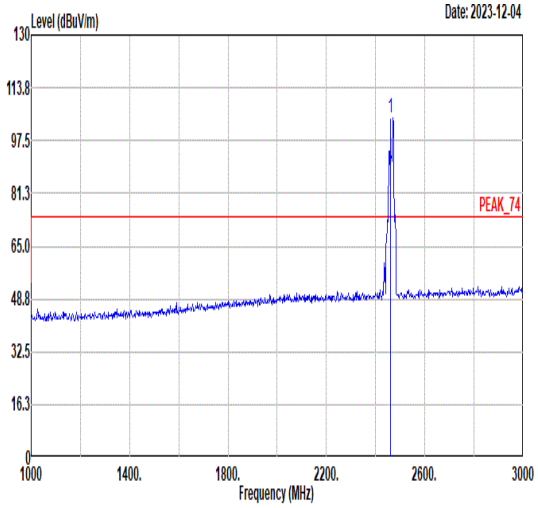
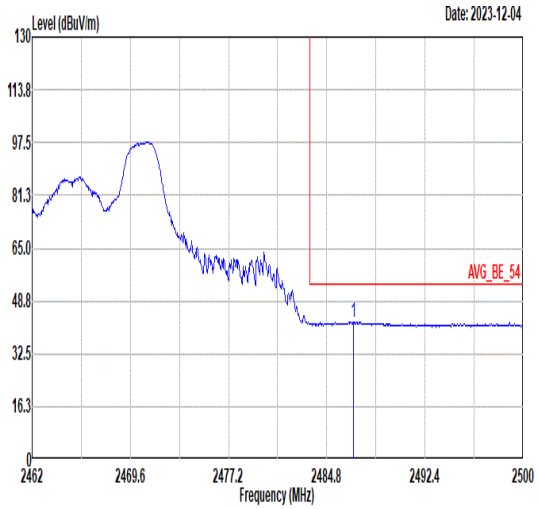
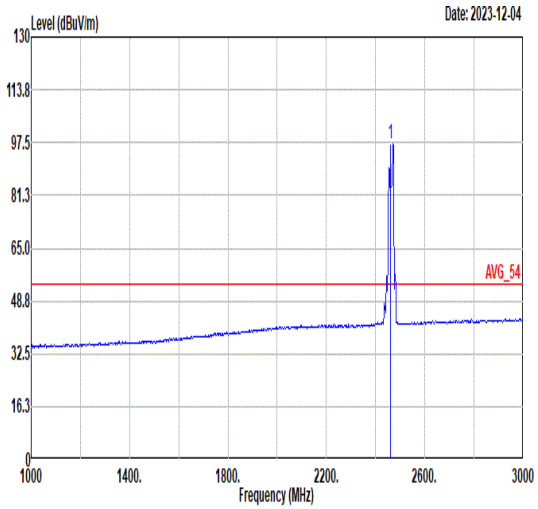
Mode	12	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_Partial_RU26/0_2412MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2315.33 51.32 74.00 -22.68 47.98 32.33 4.72 33.71 200 127 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 90.71 ------ ------ 87.20 32.36 4.81 33.66 200 127 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2349.39 41.58 54.00 -12.42 38.18 32.34 4.75 33.69 200 127 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 82.94 ------ ------ 79.43 32.36 4.81 33.66 200 127 AVERAGE

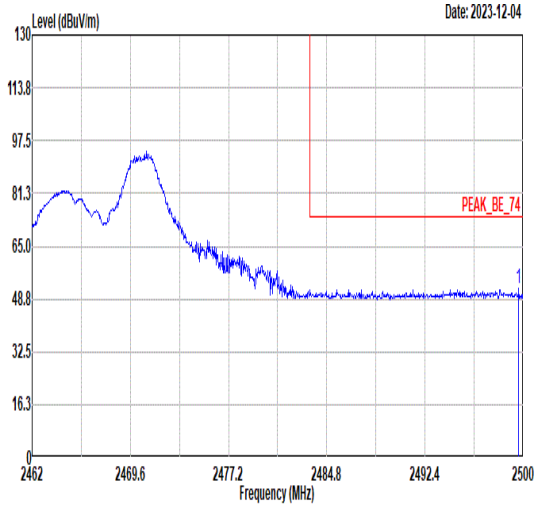
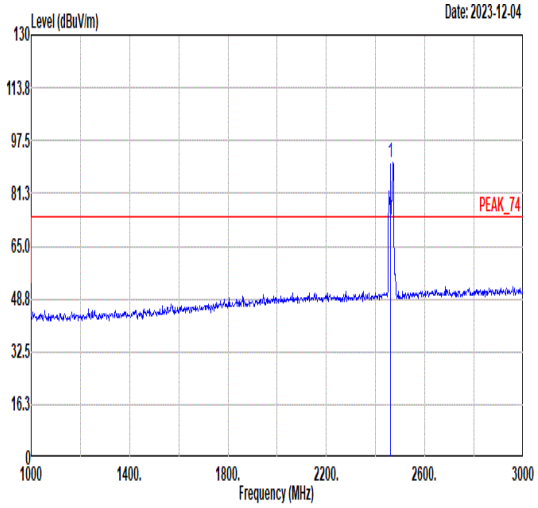
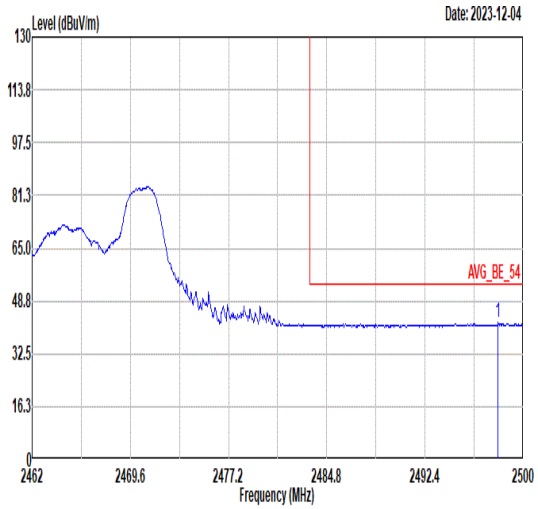
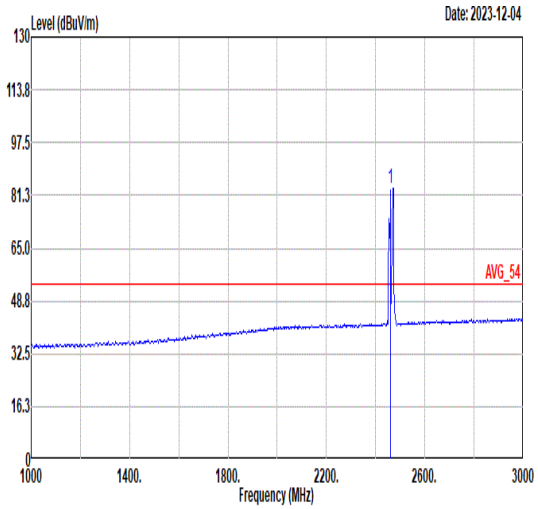
Mode	13	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_Partial_RU52/37_2412MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.82 57.12 74.00 -16.88 53.63 32.36 4.80 33.67 141 335 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 107.54 ------ ------ 104.03 32.36 4.81 33.66 141 335 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.30 44.76 54.00 -9.24 41.28 32.36 4.79 33.67 141 335 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 97.57 ------ ------ 94.06 32.36 4.81 33.66 141 335 AVERAGE

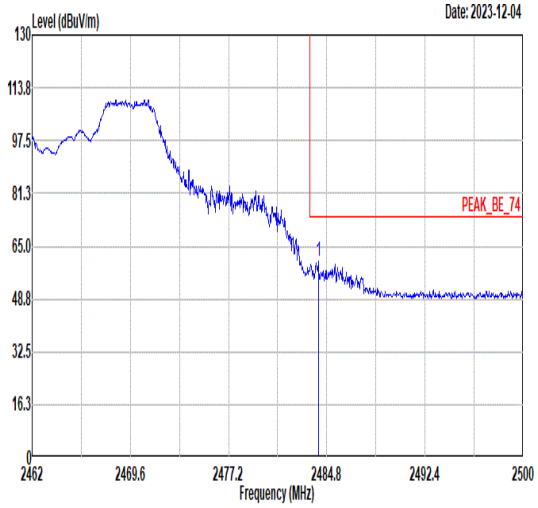
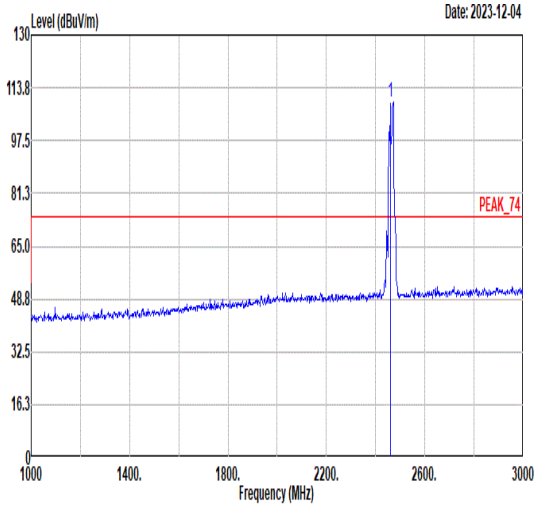
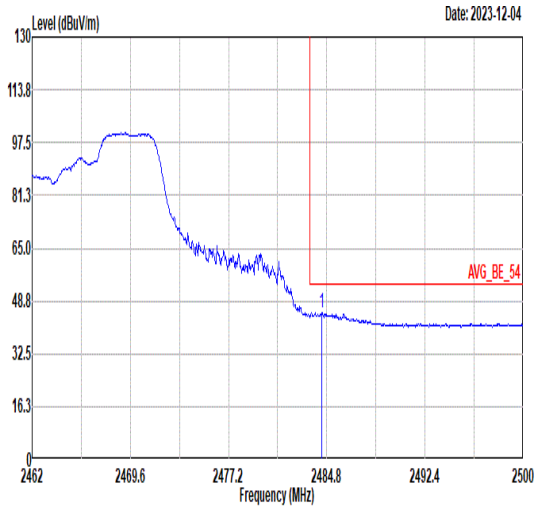
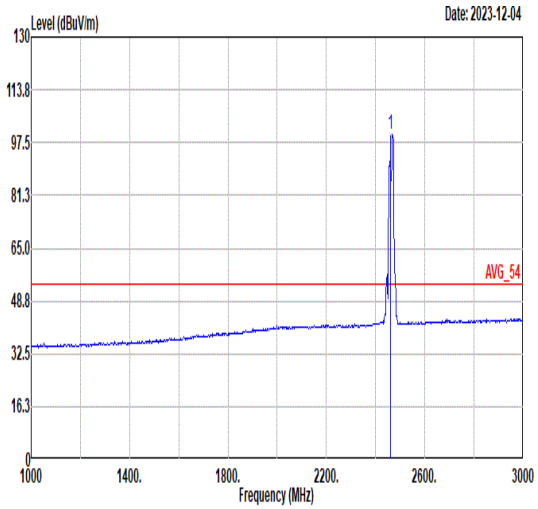
Mode	13	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_Partial_RU52/37_2412MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2388.78 57.17 74.00 -16.83 53.69 32.36 4.79 33.67 364 240 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 104.70 ------ ------ 101.19 32.36 4.81 33.66 364 240 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.69 43.36 54.00 -10.64 39.87 32.36 4.80 33.67 364 240 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 97.07 ------ ------ 93.56 32.36 4.81 33.66 364 240 AVERAGE

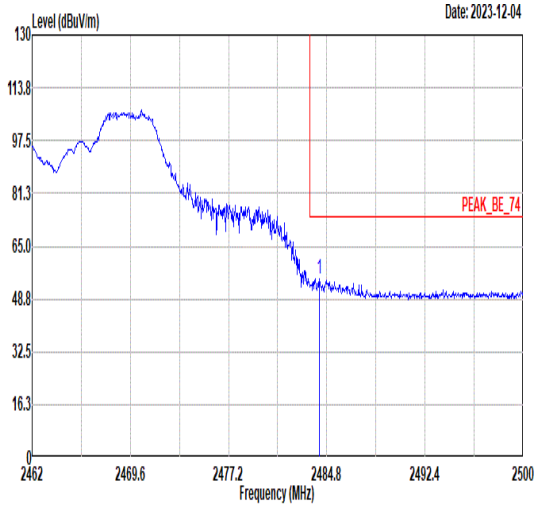
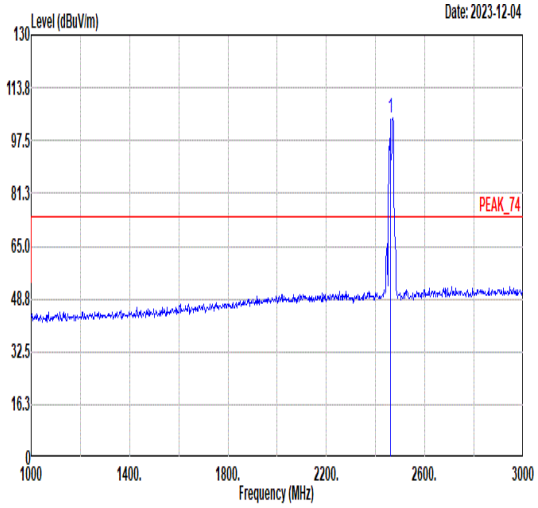
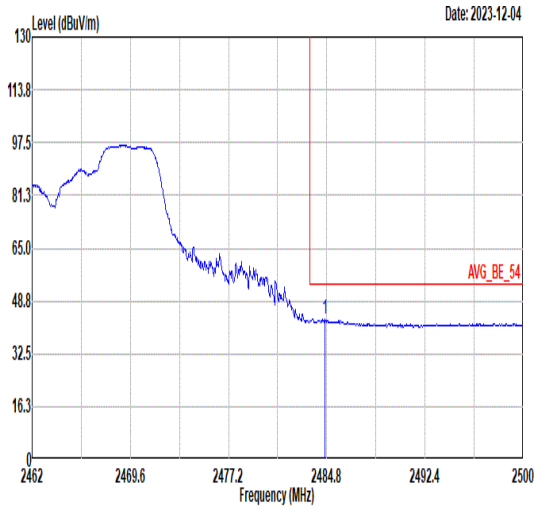
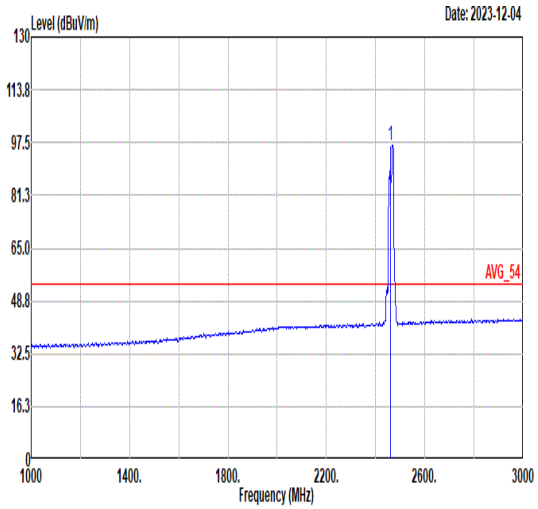
Mode	14	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_Partial_RU106/53_2412MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.69 57.06 74.00 -16.94 53.57 32.36 4.80 33.67 200 160 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 104.75 ------ ------ 101.23 32.36 4.82 33.66 200 160 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.95 45.27 54.00 -8.73 41.78 32.36 4.80 33.67 200 160 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 95.38 ------ ------ 91.85 32.37 4.82 33.66 200 160 AVERAGE

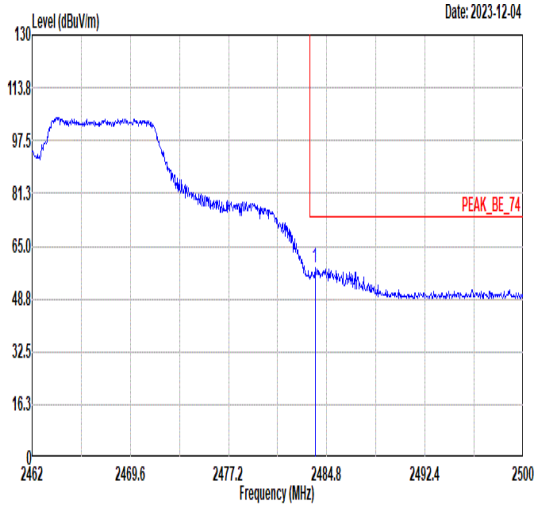
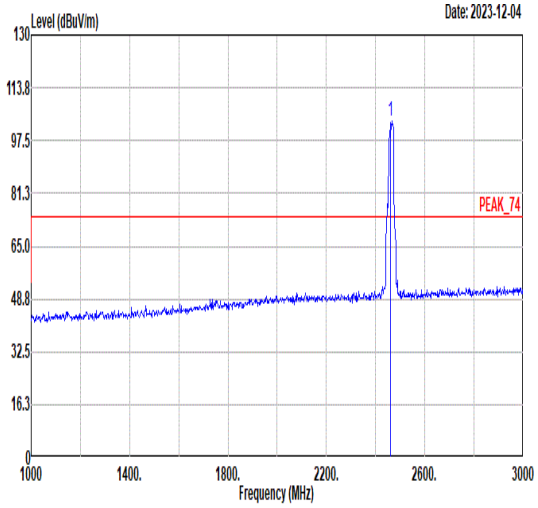
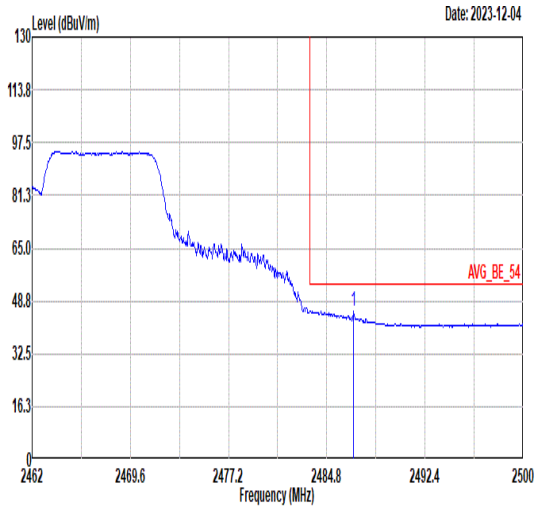
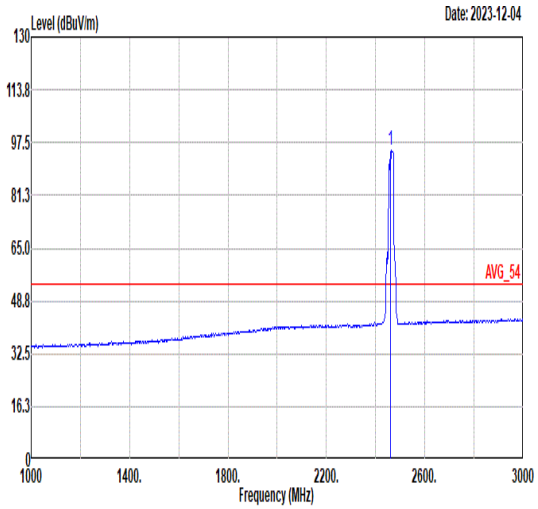
Mode	14	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_Partial_RU106/53_2412MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2388.78 55.88 74.00 -18.12 52.40 32.36 4.79 33.67 363 211 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 104.07 ------ ------ 100.56 32.36 4.81 33.66 363 211 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.95 44.45 54.00 -9.55 40.96 32.36 4.80 33.67 363 211 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 95.20 ------ ------ 91.69 32.36 4.81 33.66 363 211 AVERAGE

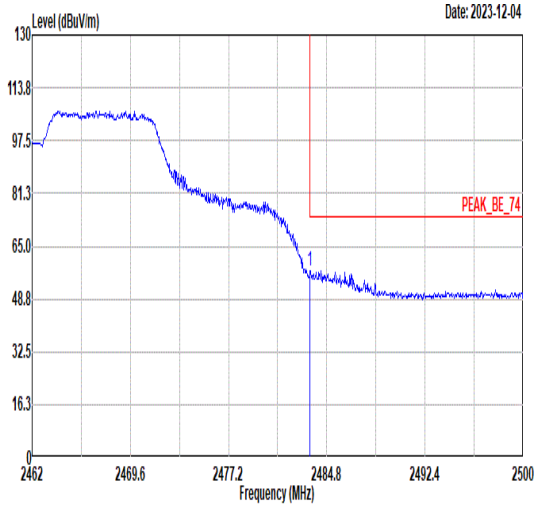
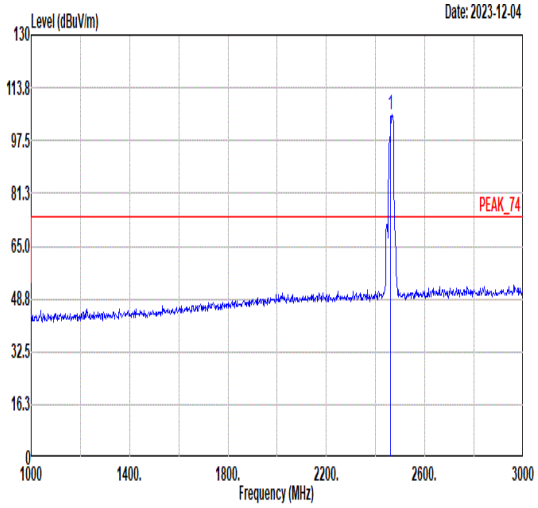
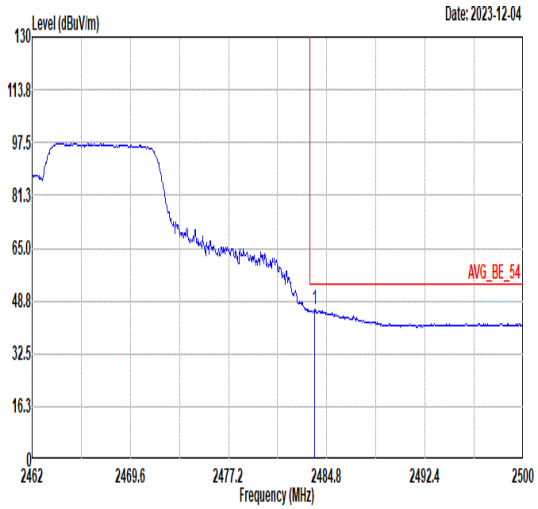
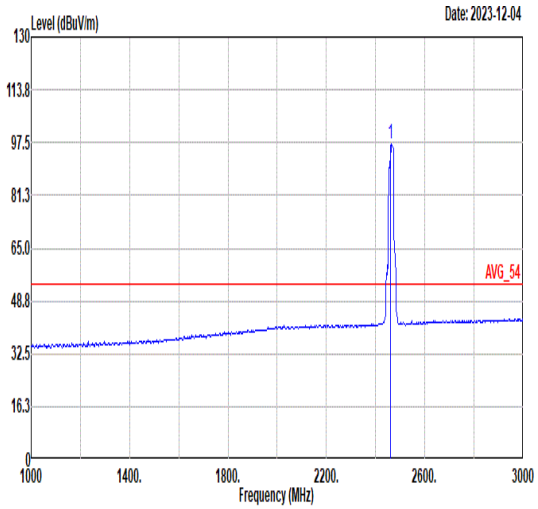
Mode	15	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_Partial_RU26/8_2462MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2486.97 53.39 74.00 -20.61 49.68 32.40 4.92 33.61 100 131 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 104.29 ------ ------ 100.62 32.39 4.90 33.62 100 131 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2486.89 42.21 54.00 -11.79 38.50 32.40 4.92 33.61 100 131 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 97.03 ------ ------ 93.36 32.39 4.90 33.62 100 131 AVERAGE

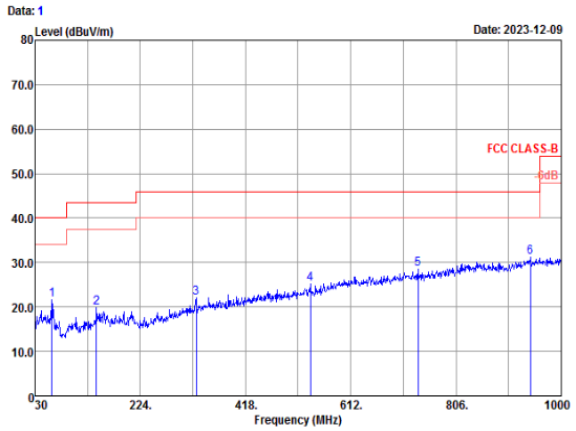
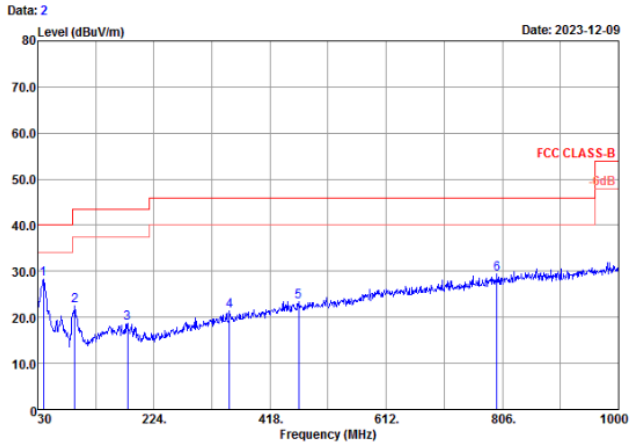
Mode	15	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_Partial_RU26/8_2462MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2499.66 51.96 74.00 -22.04 48.21 32.41 4.94 33.60 159 360 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 90.54 ------ ------ 86.87 32.39 4.90 33.62 159 360 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2498.06 42.00 54.00 -12.00 38.26 32.40 4.94 33.60 159 360 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 83.28 ------ ------ 79.61 32.39 4.90 33.62 159 360 AVERAGE

Mode	16	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_Partial_RU52/40_2462MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.15 60.16 74.00 -13.84 56.45 32.40 4.92 33.61 294 281 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 109.18 ------ ------ 105.51 32.39 4.90 33.62 294 281 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.42 45.27 54.00 -8.73 41.56 32.40 4.92 33.61 294 281 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 99.84 ------ ------ 96.17 32.39 4.90 33.62 294 281 AVERAGE

Mode	16	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_Partial_RU52/40_2462MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.23 54.90 74.00 -19.10 51.19 32.40 4.92 33.61 385 236 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 104.28 ------ ------ 100.61 32.39 4.90 33.62 385 236 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.65 43.12 54.00 -10.88 39.41 32.40 4.92 33.61 385 236 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 96.76 ------ ------ 93.09 32.39 4.90 33.62 385 236 AVERAGE

Mode	17	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_Partial_RU106/54_2462MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.89 58.26 74.00 -15.74 54.55 32.40 4.92 33.61 200 269 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 103.73 ------ ------ 100.06 32.39 4.90 33.62 200 269 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2486.89 45.65 54.00 -8.35 41.94 32.40 4.92 33.61 200 269 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 95.06 ------ ------ 91.40 32.39 4.89 33.62 200 269 AVERAGE

Mode	17	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_Partial_RU106/54_2462MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.51 57.42 74.00 -16.58 53.72 32.39 4.92 33.61 385 236 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 105.33 ------ ------ 101.66 32.39 4.90 33.62 385 236 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.85 46.09 54.00 -7.91 42.38 32.40 4.92 33.61 385 236 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 97.00 ------ ------ 93.34 32.39 4.89 33.62 385 236 AVERAGE

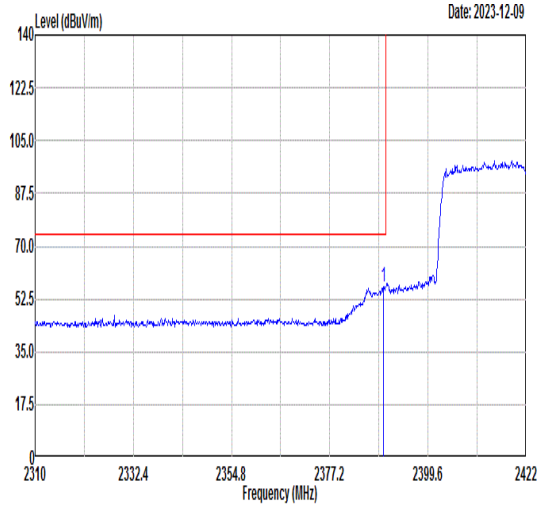
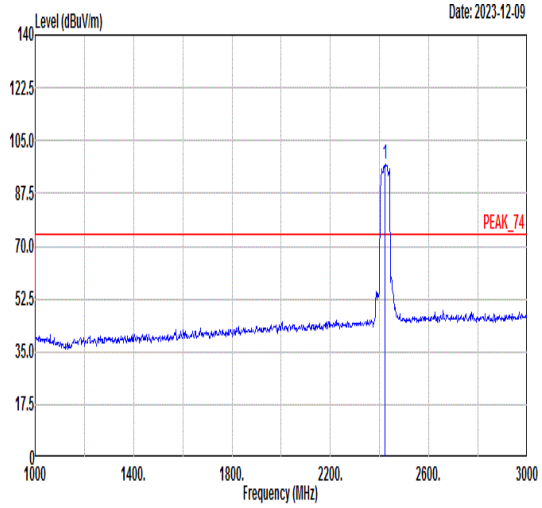
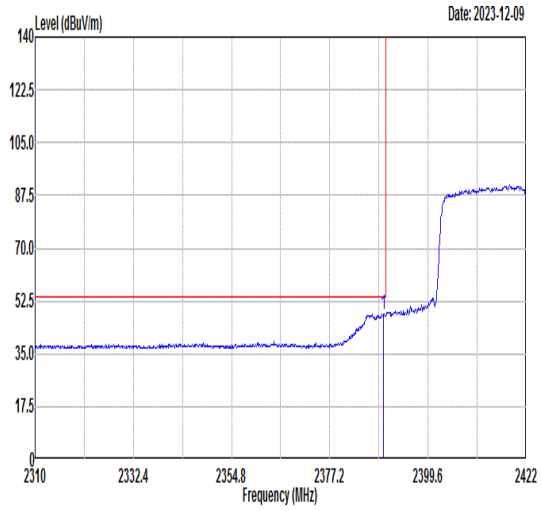
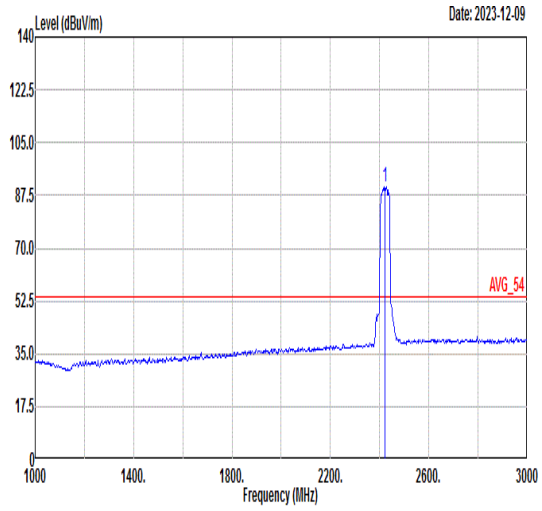
Mode	18	
	LF	
	2400-2483.5_802.11ax HE40_CH03_LFMHz	
ANT	7+8	
Pol.	Horizontal	Vertical
QP/ Peak		

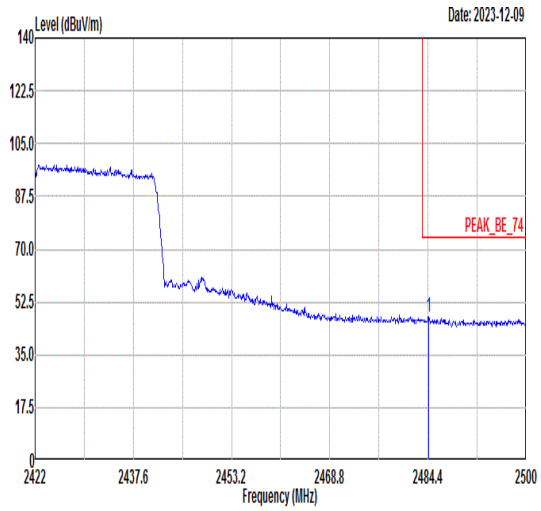
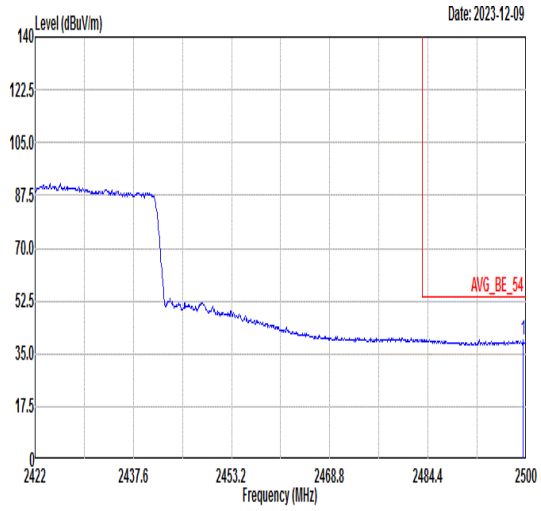
Horizontal:

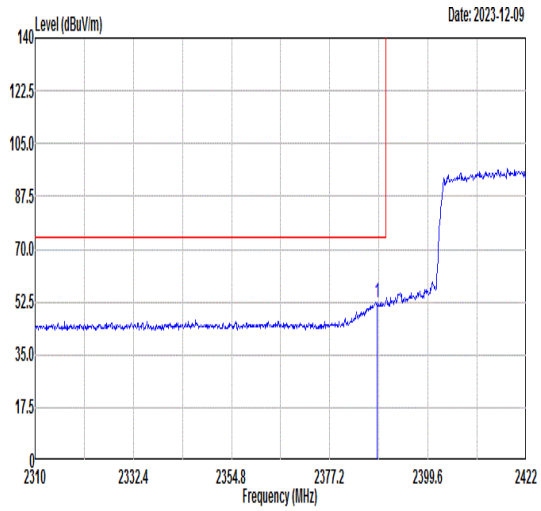
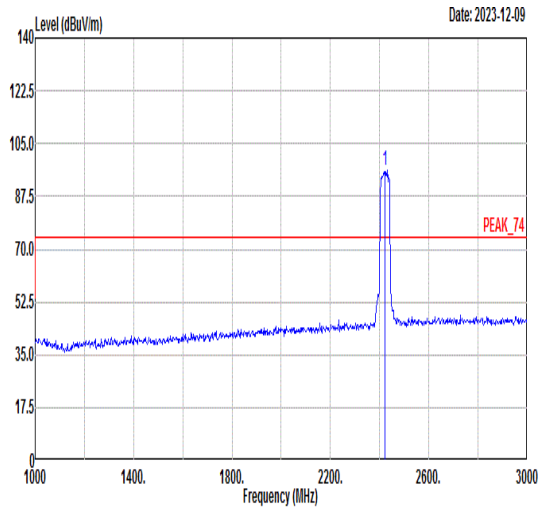
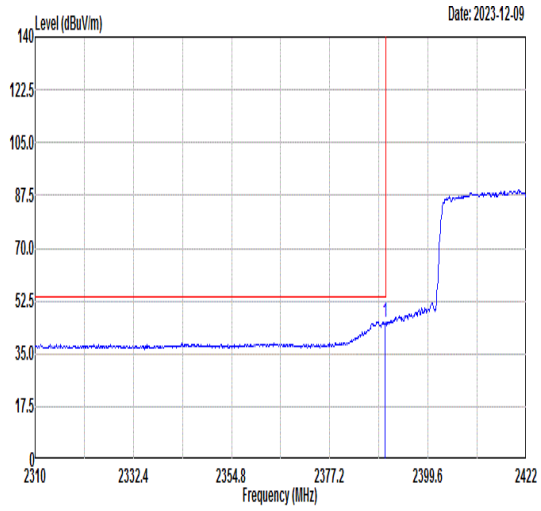
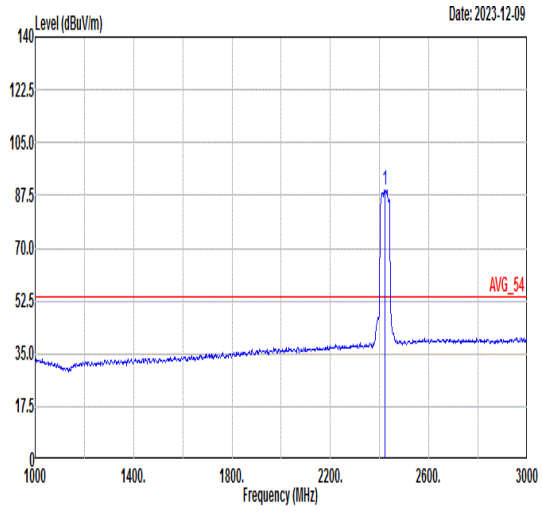
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	61.04	21.72	-18.28	40.00	36.19	18.66	1.76	34.89	---	---	Peak
2	143.49	19.92	-23.58	43.50	33.91	18.43	2.29	34.71	---	---	Peak
3	326.82	22.14	-23.86	46.00	33.70	19.71	3.33	34.60	---	---	Peak
4	537.31	25.08	-20.92	46.00	32.13	23.98	3.47	34.50	---	---	Peak
5	736.16	28.45	-17.55	46.00	31.66	27.46	3.73	34.40	---	---	Peak
6 *	942.77	31.25	-14.75	46.00	31.45	29.60	4.50	34.30	---	---	Peak

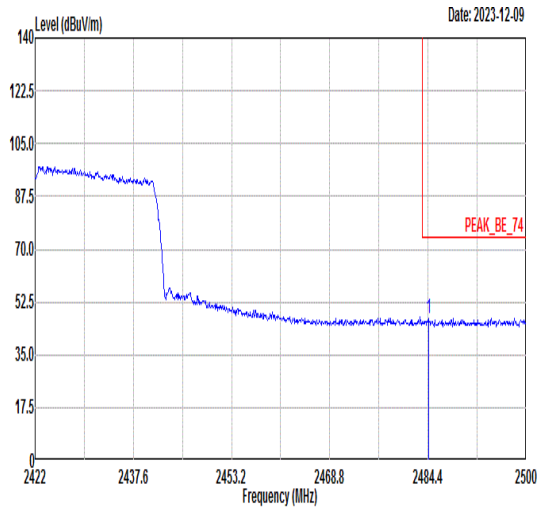
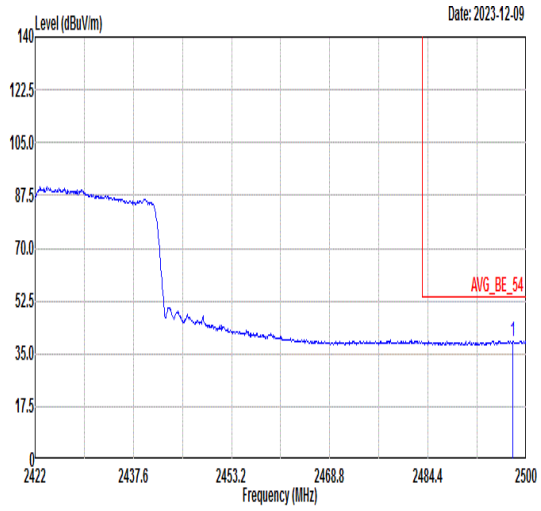
Vertical:

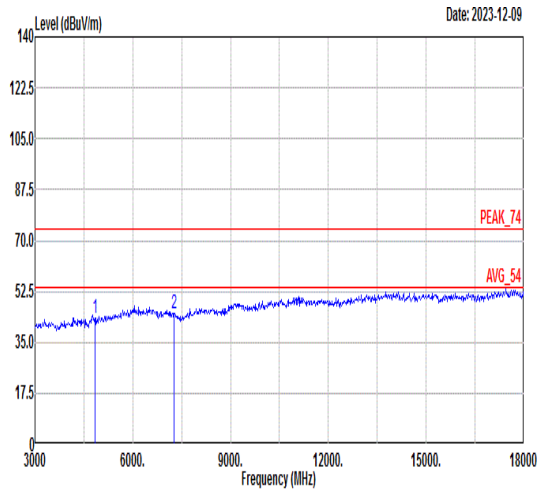
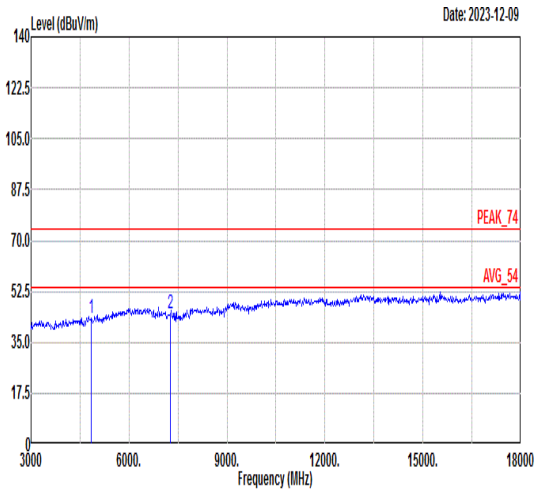
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 *	39.70	28.35	-11.65	40.00	42.62	19.28	1.34	34.89	---	---	Peak
2	92.08	22.49	-21.01	43.50	41.34	13.94	2.01	34.80	---	---	Peak
3	180.35	18.62	-24.88	43.50	33.66	17.16	2.50	34.70	---	---	Peak
4	350.10	21.50	-24.50	46.00	32.44	20.22	3.44	34.60	---	---	Peak
5	465.53	23.43	-22.57	46.00	31.55	22.94	3.44	34.50	---	---	Peak
6	797.27	29.39	-16.61	46.00	31.52	27.83	4.35	34.31	---	---	Peak

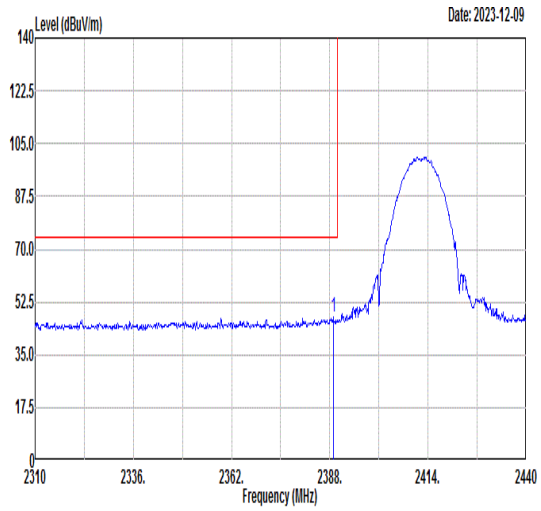
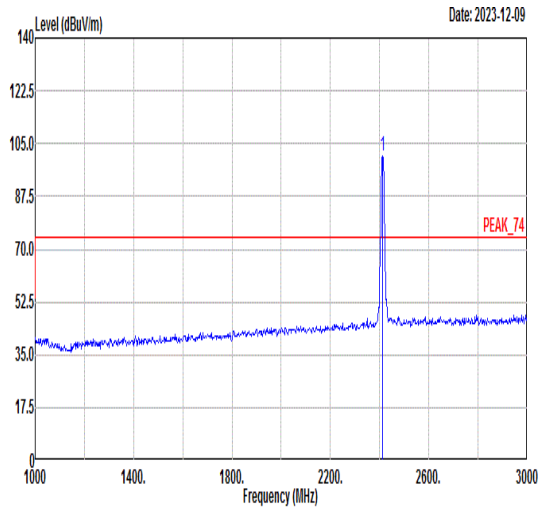
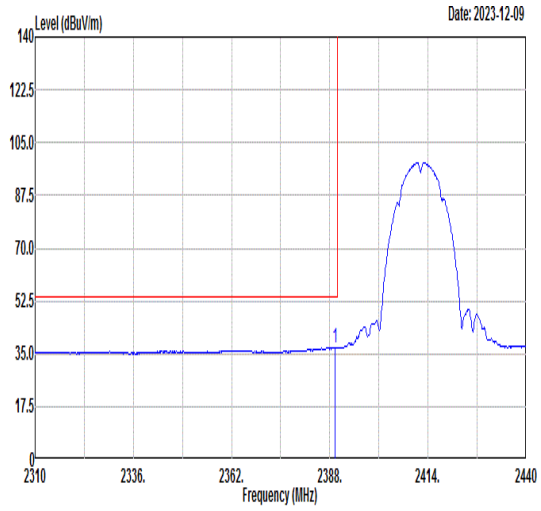
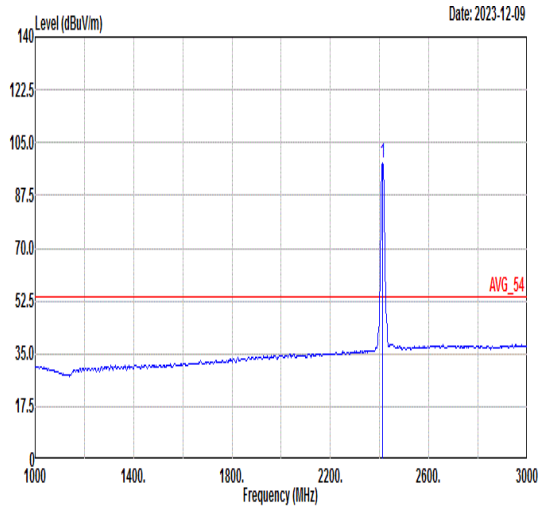
Mode	19	
	Band Edge - L	
	Co-location 2400-2483.5_802.11ax HE40_CH03_2422MHz &LTE B13	
ANT	7+8/1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.52 56.74 74.00 -17.26 51.32 33.31 5.36 33.25 103 121 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2422.00 97.26 ------ ------ 91.68 33.40 5.39 33.21 103 121 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.41 47.93 54.00 -6.07 42.51 33.31 5.36 33.25 103 121 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2422.00 90.12 ------ ------ 84.55 33.39 5.39 33.21 103 121 AVERAGE

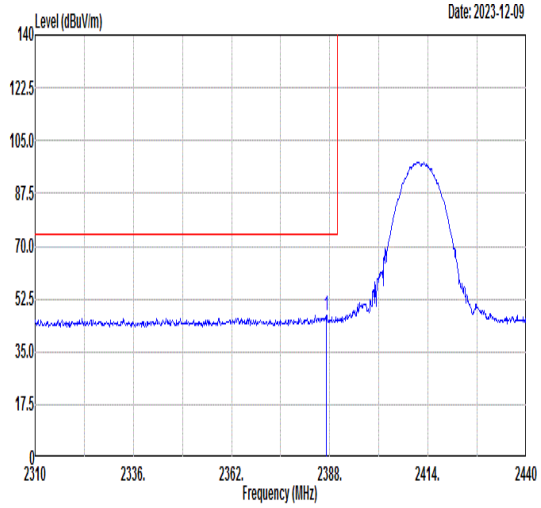
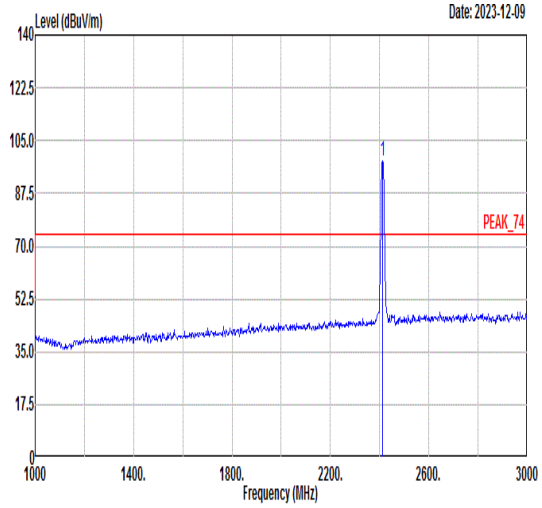
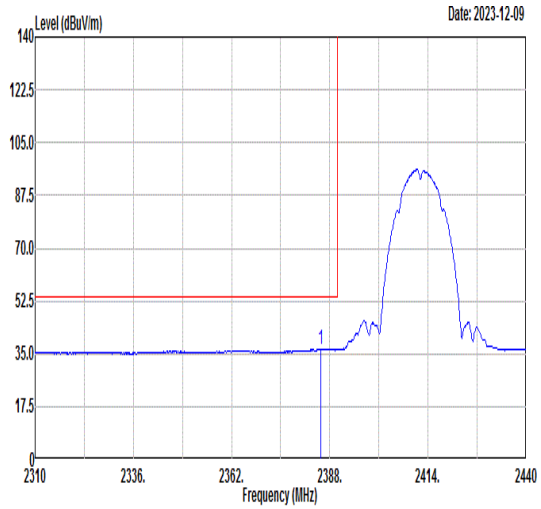
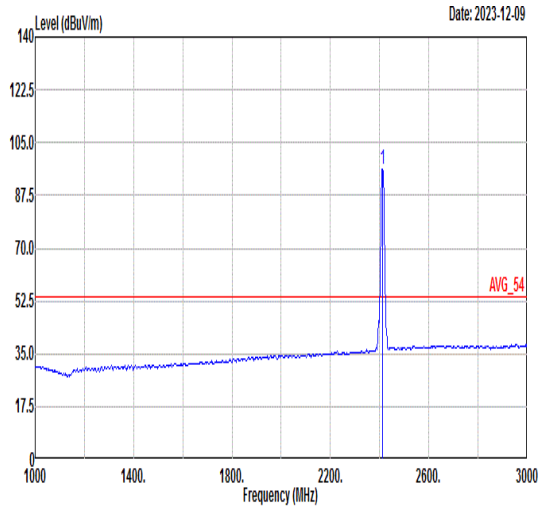
Mode	19	
	Band Edge - R	
	Co-location 2400-2483.5_802.11ax HE40_CH03_2422MHz &LTE B13	
ANT	7+8/1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.48 47.66 74.00 -26.34 41.76 33.56 5.46 33.12 103 121 PEAK	Blank
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2499.45 39.73 54.00 -14.27 33.75 33.60 5.48 33.10 103 121 AVERAGE	Blank

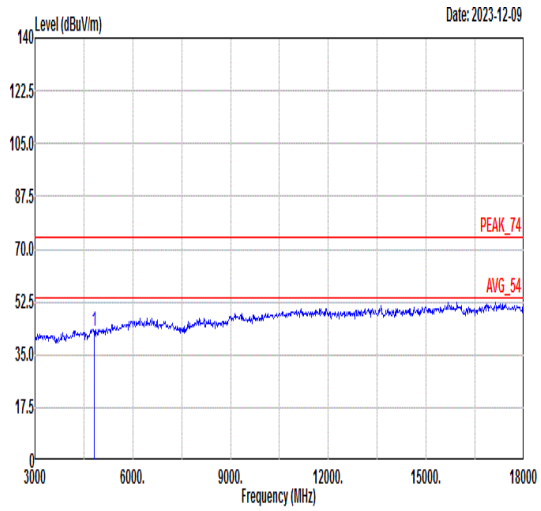
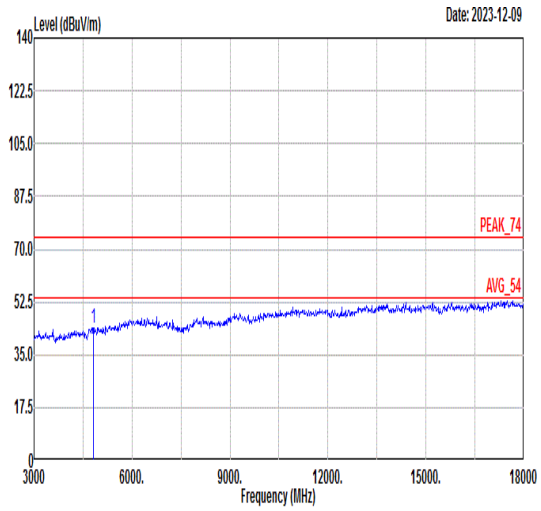
Mode	19	
	Band Edge - L	
	Co-location 2400-2483.5_802.11ax HE40_CH03_2422MHz &LTE B13	
ANT	7+8/1	
Pol.	Vertical	Fundamental
Peak	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2387.95 52.49 74.00 -21.51 47.08 33.31 5.36 33.26 400 224 PEAK	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2422.00 96.24 ------ ------ 90.62 33.42 5.40 33.20 400 224 PEAK
Avg	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.74 45.63 54.00 -8.37 40.21 33.31 5.36 33.25 400 224 AVERAGE	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2422.00 89.25 ------ ------ 83.67 33.40 5.39 33.21 400 224 AVERAGE

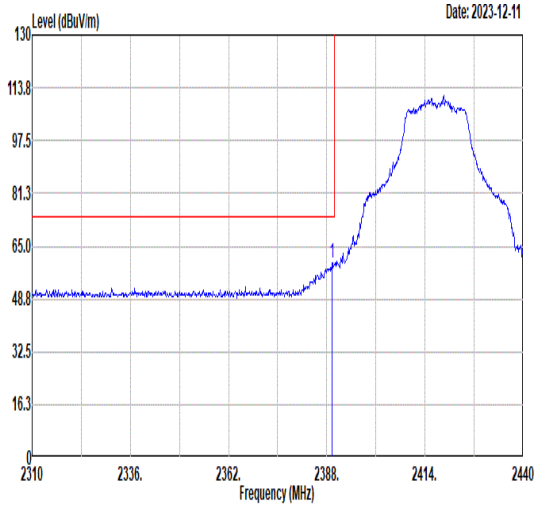
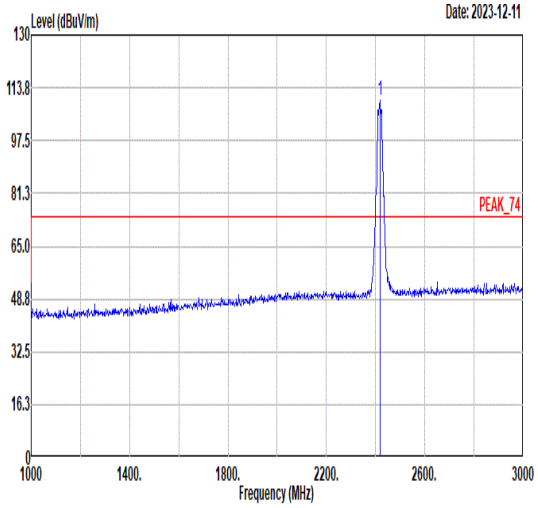
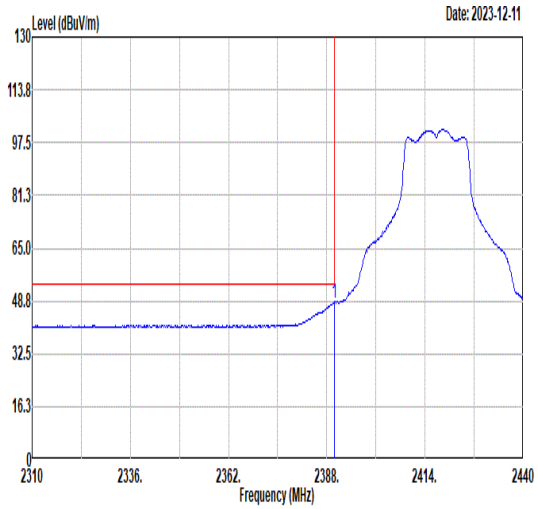
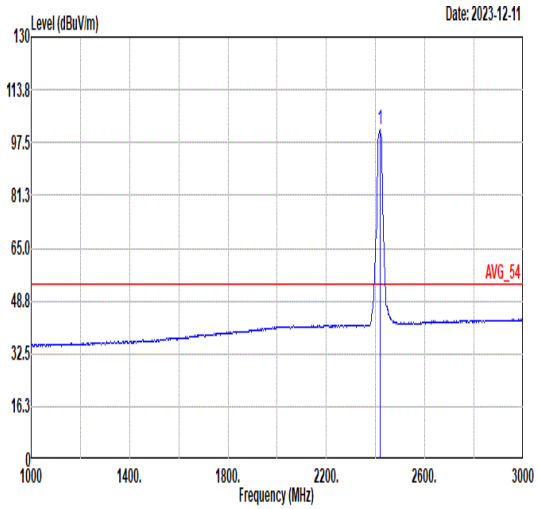
Mode	19	
	Band Edge - R	
	Co-location 2400-2483.5_802.11ax HE40_CH03_2422MHz &LTE B13	
ANT	7+8/1	
Pol.	Vertical	Fundamental
Peak	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.56 47.28 74.00 -26.72 41.38 33.56 5.46 33.12 400 224 PEAK	Blank
Avg	 Limit Read Ant Cable Preamp APos TPos Freq Level Line Margin Level Factor Loss Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2497.89 39.31 54.00 -14.69 33.34 33.59 5.48 33.10 400 224 AVERAGE	Blank

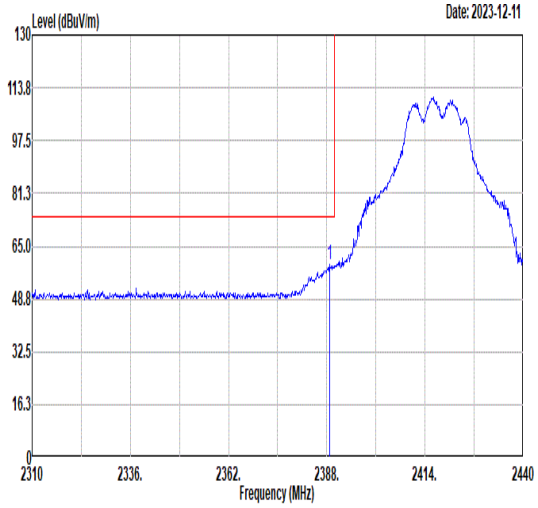
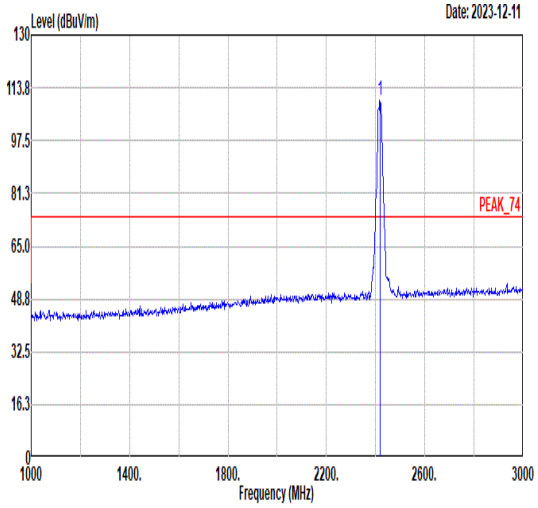
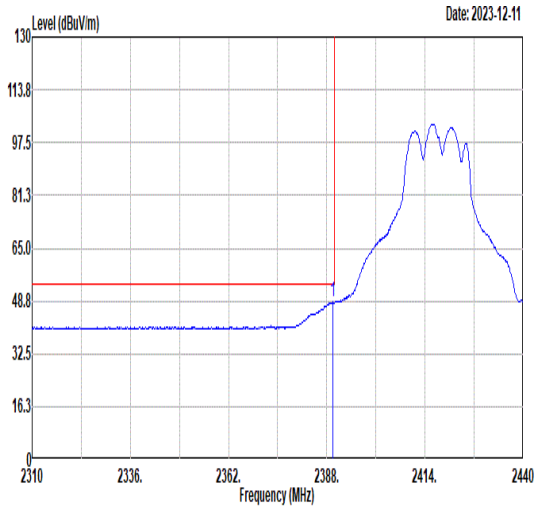
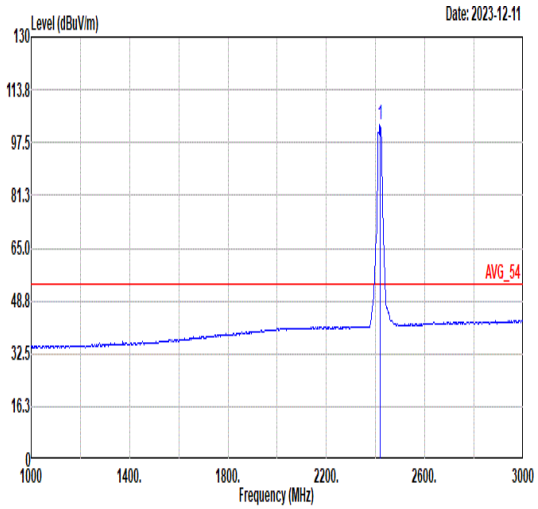
Mode	19	
	Harmonic	
	Co-location 2400-2483.5_802.11ax HE40_CH03_2422MHz &LTE B13	
ANT	7+8/1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4844.00 43.27 74.00 -30.73 63.21 36.11 8.81 64.86 --- --- Peak 2 7266.00 44.82 74.00 -29.18 63.19 36.31 10.18 64.86 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4844.00 43.45 74.00 -30.55 63.39 36.11 8.81 64.86 --- --- Peak 2 7266.00 45.17 74.00 -28.83 63.54 36.31 10.18 64.86 --- --- Peak

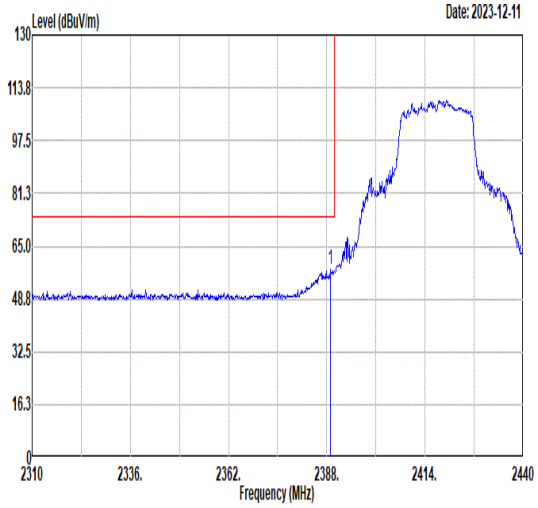
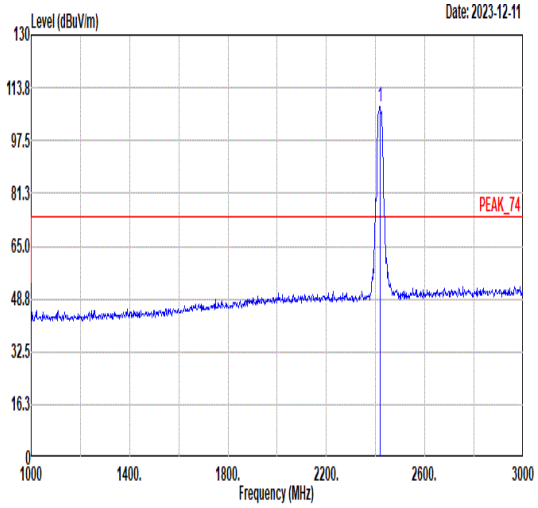
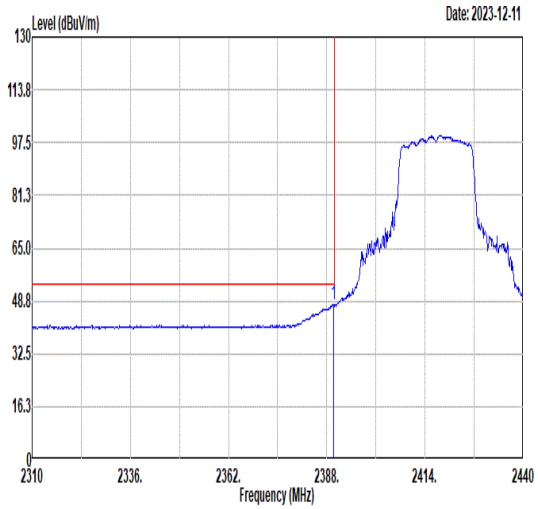
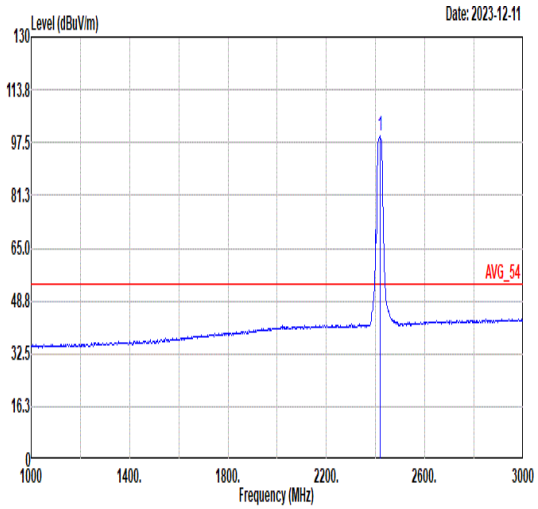
Mode	20	
	Band Edge	
	Co-location 2400-2483.5_802.11b_CH01 _2412MHz&LTE B13	
ANT	7/1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2388.91 47.75 74.00 -26.25 42.34 33.31 5.36 33.26 100 114 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 100.73 ------ ------ 95.20 33.37 5.38 33.22 100 114 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.43 37.17 54.00 -16.83 31.75 33.31 5.36 33.25 100 114 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 98.21 ------ ------ 92.68 33.37 5.38 33.22 100 114 AVERAGE

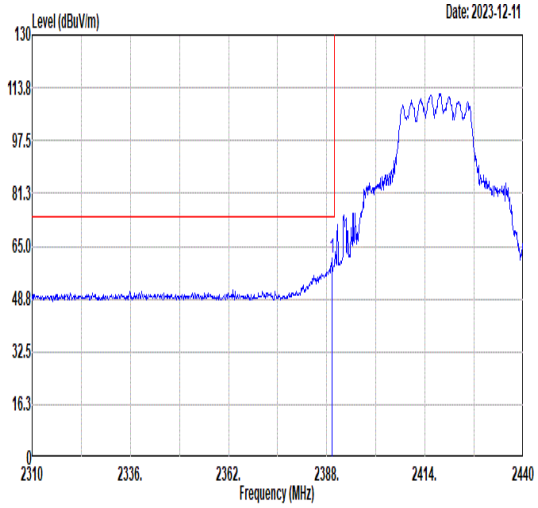
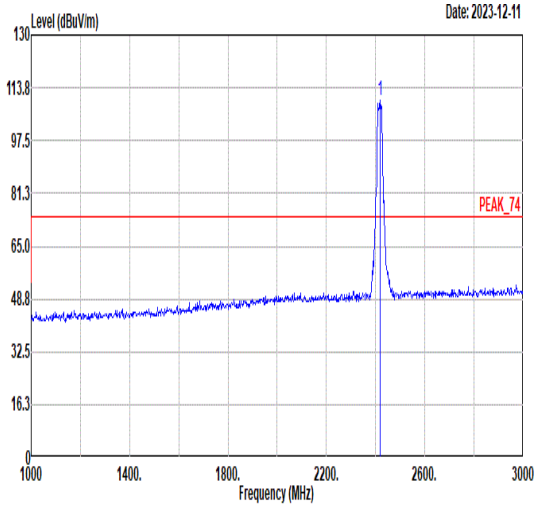
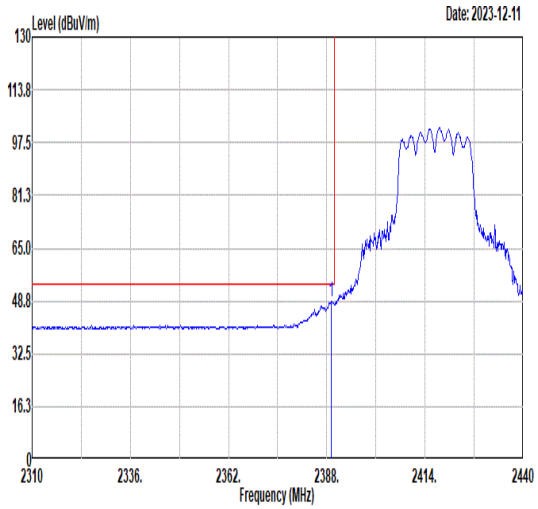
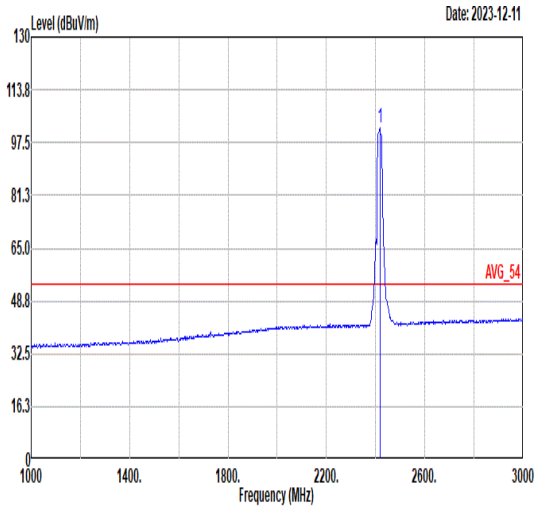
Mode	20	
	Band Edge	
	Co-location 2400-2483.5_802.11b_CH01 _2412MHz&LTE B13	
ANT	7/1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2387.09 47.22 74.00 -26.78 41.81 33.31 5.36 33.26 400 232 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 98.30 ------ ------ 92.77 33.37 5.38 33.22 400 232 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2385.66 36.69 54.00 -17.31 31.30 33.30 5.35 33.26 400 232 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 95.95 ------ ------ 90.42 33.37 5.38 33.22 400 232 AVERAGE

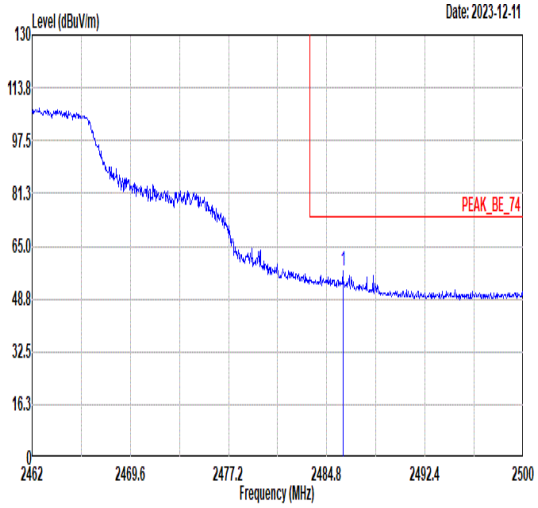
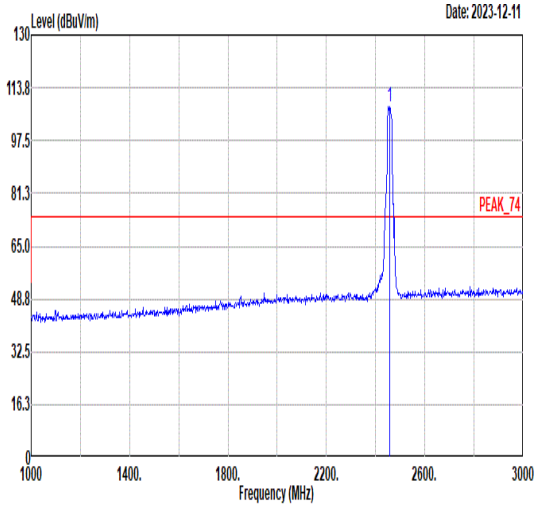
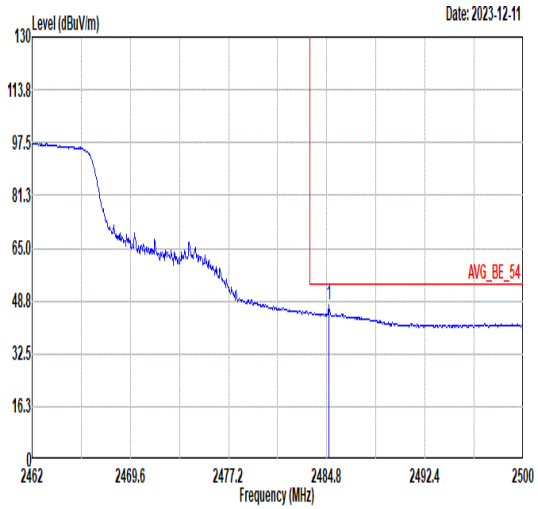
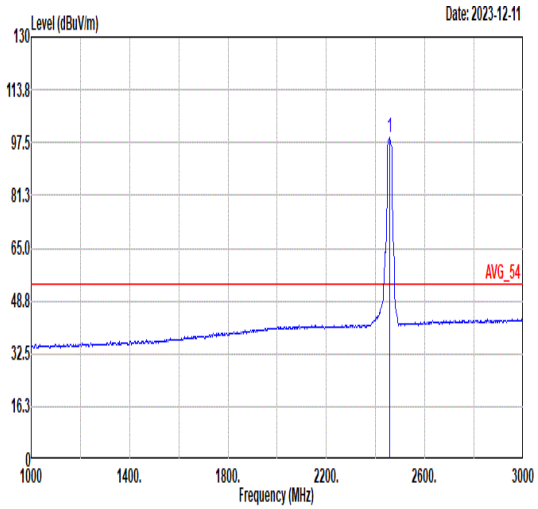
Mode	20	
	Harmonic	
	Co-location 2400-2483.5_802.11b_CH01 _2412MHz&LTE B13	
ANT	7/1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 42.93 74.00 -31.07 62.81 36.09 8.88 64.85 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 43.92 74.00 -30.08 63.80 36.09 8.88 64.85 --- --- Peak

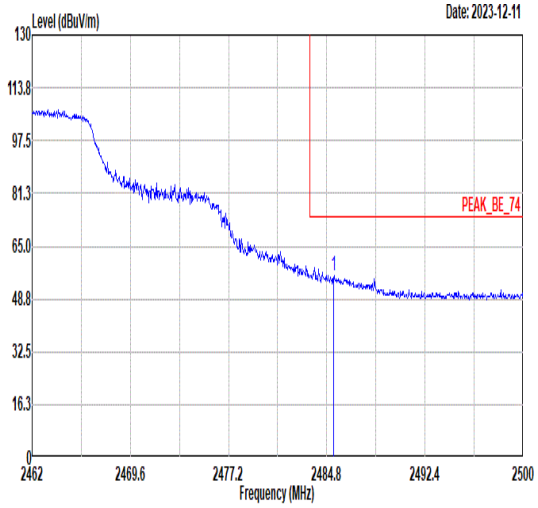
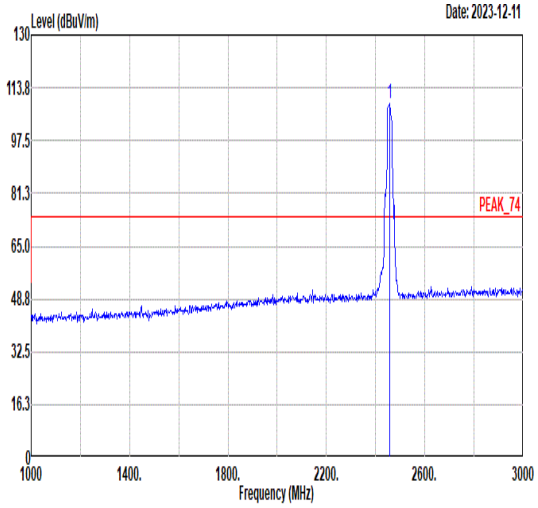
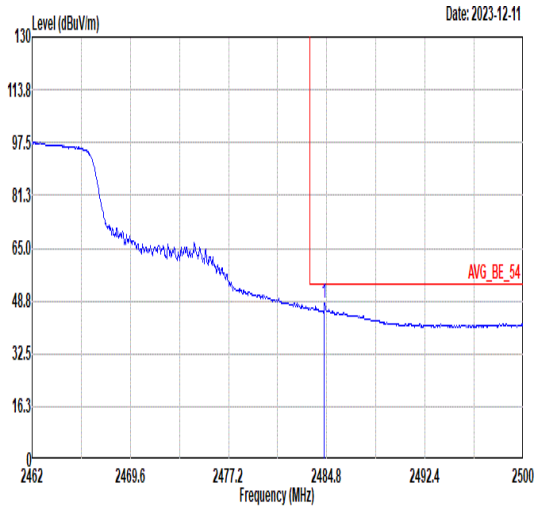
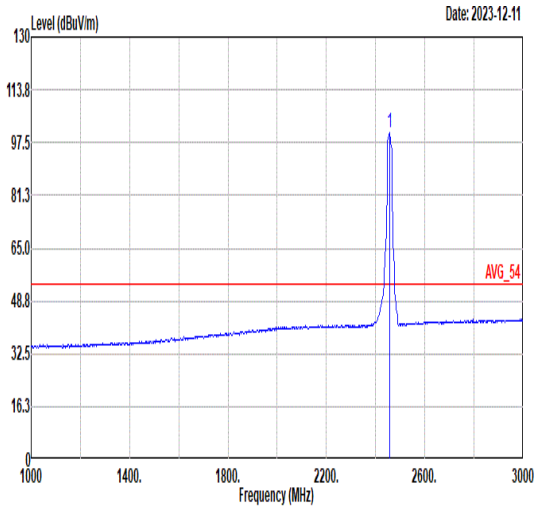
Mode	21	
	Band Edge	
	2400-2483.5_802.11g_CH02_2417MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.43 60.05 74.00 -13.95 56.56 32.36 4.80 33.67 127 332 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2417.00 109.74 ------ ------ 106.19 32.37 4.83 33.65 127 332 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.95 48.02 54.00 -5.98 44.53 32.36 4.80 33.67 127 332 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2417.00 101.31 ------ ------ 97.76 32.37 4.83 33.65 127 332 AVERAGE

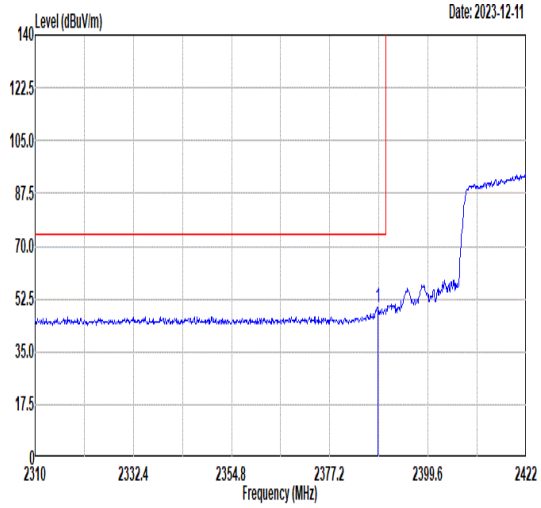
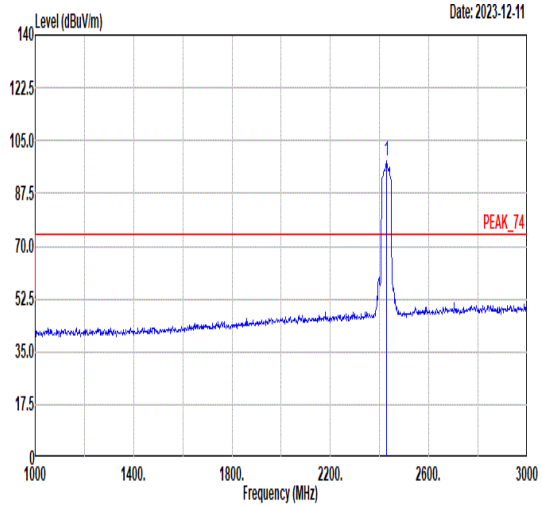
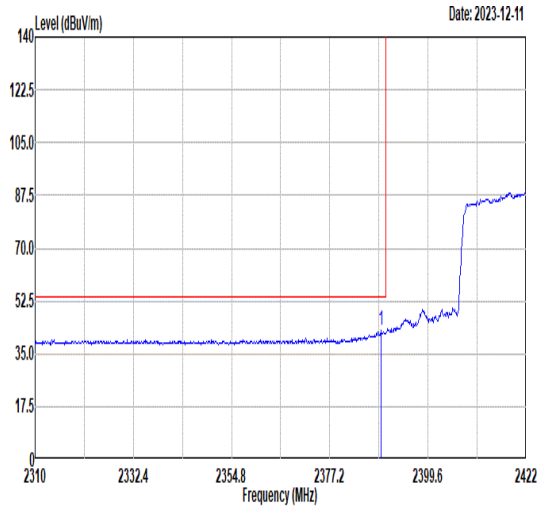
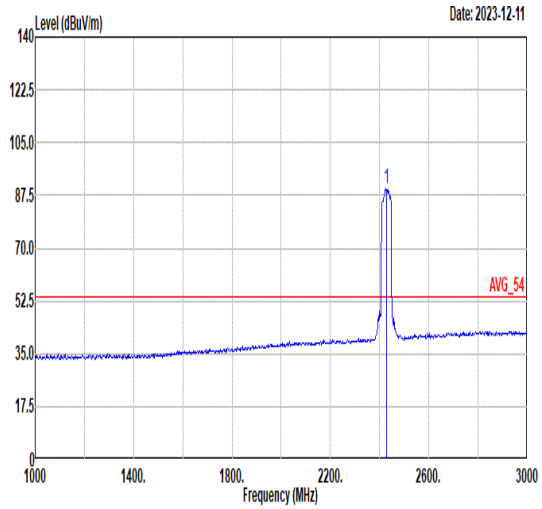
Mode	21	
	Band Edge	
	2400-2483.5_802.11g_CH02_2417MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2388.78 59.28 74.00 -14.72 55.80 32.36 4.79 33.67 359 242 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2417.00 109.93 ------ ------ 106.38 32.37 4.83 33.65 359 242 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.56 48.35 54.00 -5.65 44.86 32.36 4.80 33.67 359 242 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2417.00 103.11 ------ ------ 99.56 32.37 4.83 33.65 359 242 AVERAGE

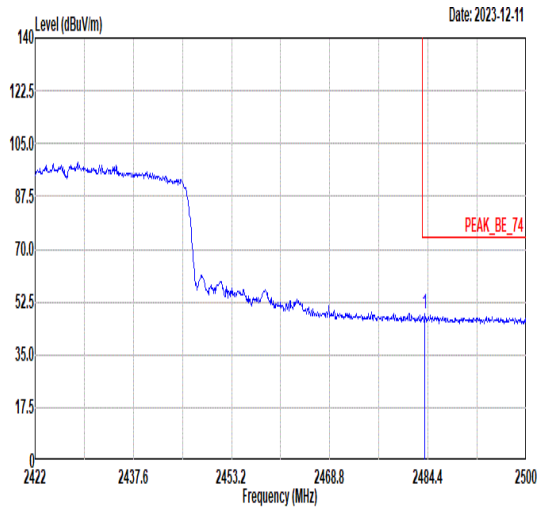
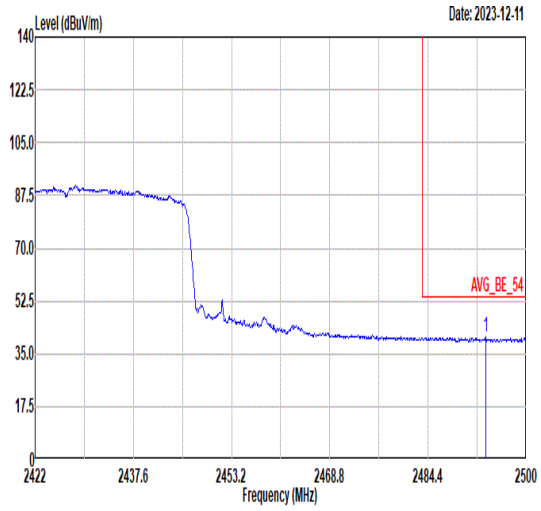
Mode	22	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH02_2417MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.04 57.65 74.00 -16.35 54.17 32.36 4.79 33.67 178 333 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2417.00 108.15 ------ ------ 104.60 32.37 4.83 33.65 178 333 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.82 47.66 54.00 -6.34 44.17 32.36 4.80 33.67 178 333 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2417.00 99.57 ------ ------ 96.02 32.37 4.83 33.65 178 333 AVERAGE

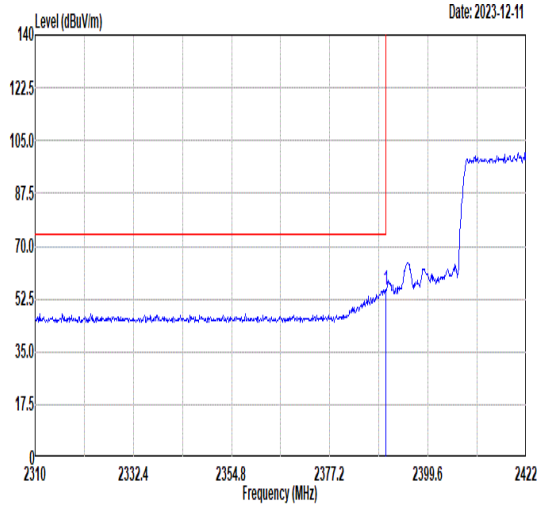
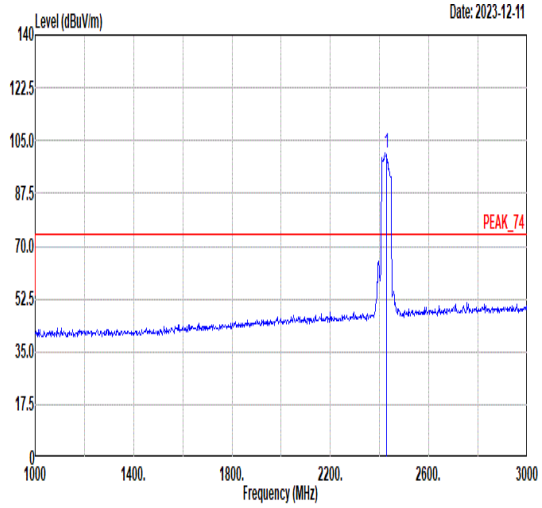
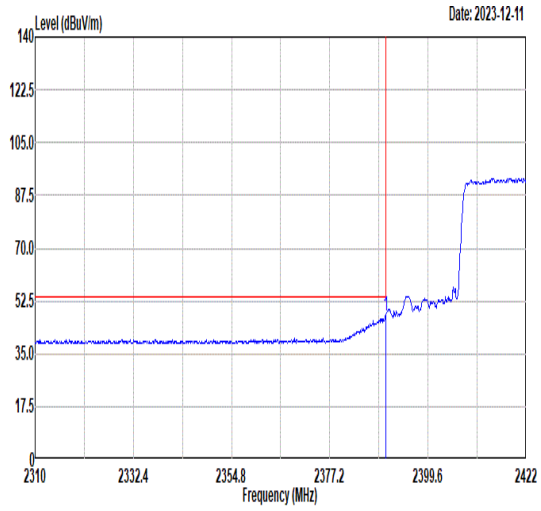
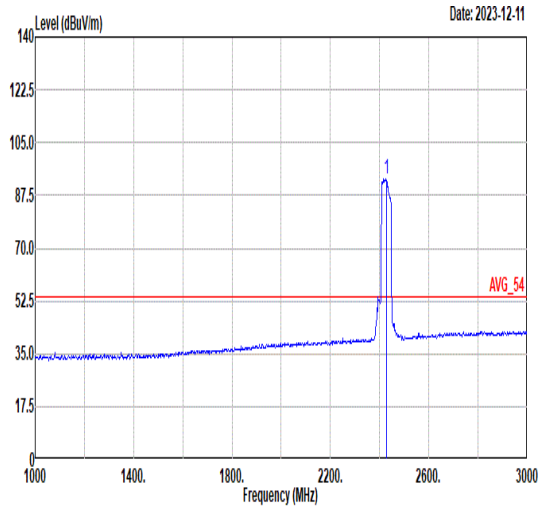
Mode	22	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH02_2417MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.30 61.20 74.00 -12.80 57.72 32.36 4.79 33.67 357 239 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2417.00 109.64 ------ ------ 106.09 32.37 4.83 33.65 357 239 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.17 48.54 54.00 -5.46 45.06 32.36 4.79 33.67 357 239 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2417.00 102.04 ------ ------ 98.49 32.37 4.83 33.65 357 239 AVERAGE

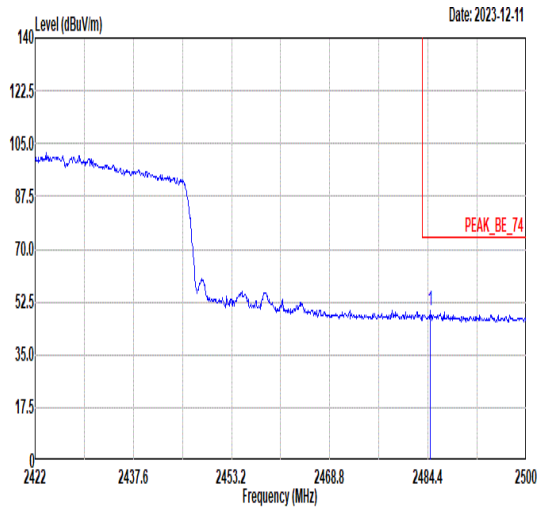
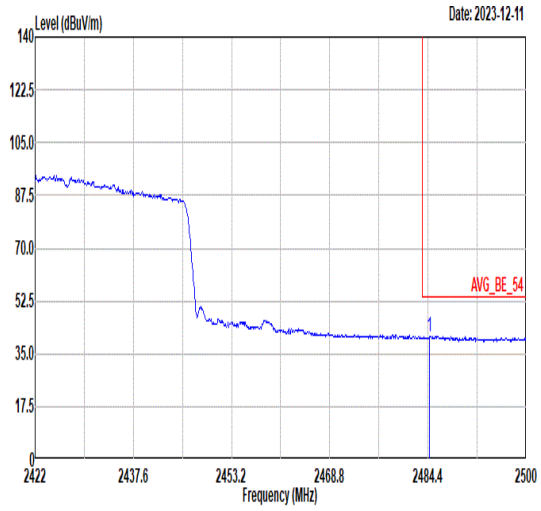
Mode	23	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH10_2457MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2486.05 57.46 74.00 -16.54 53.75 32.40 4.92 33.61 202 334 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2457.00 107.97 ------ ------ 104.34 32.38 4.88 33.63 202 334 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.95 47.45 54.00 -6.55 43.74 32.40 4.92 33.61 202 334 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2457.00 98.86 ------ ------ 95.23 32.38 4.88 33.63 202 334 AVERAGE

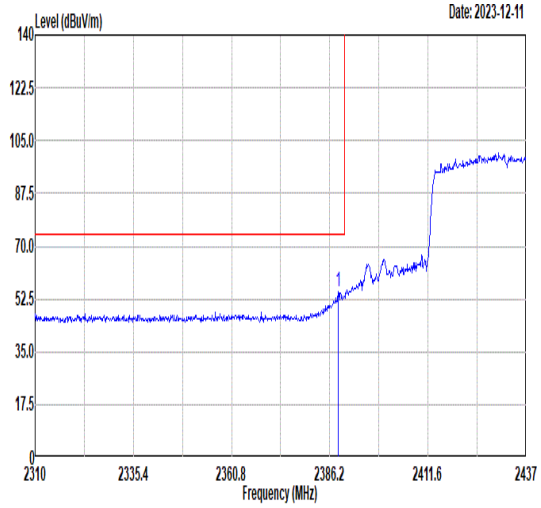
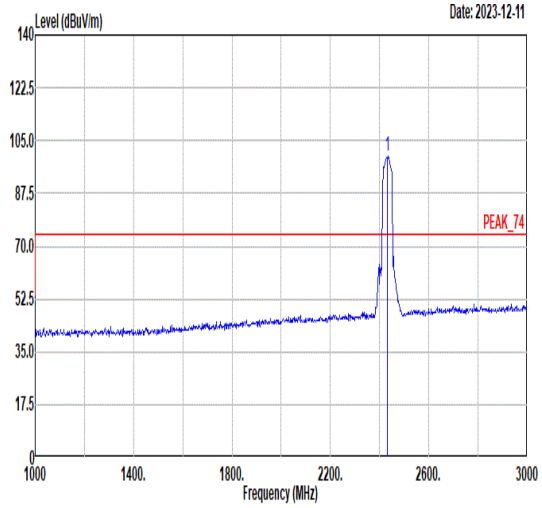
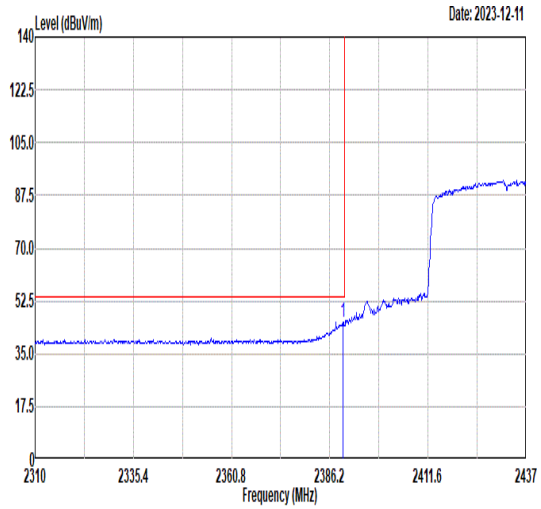
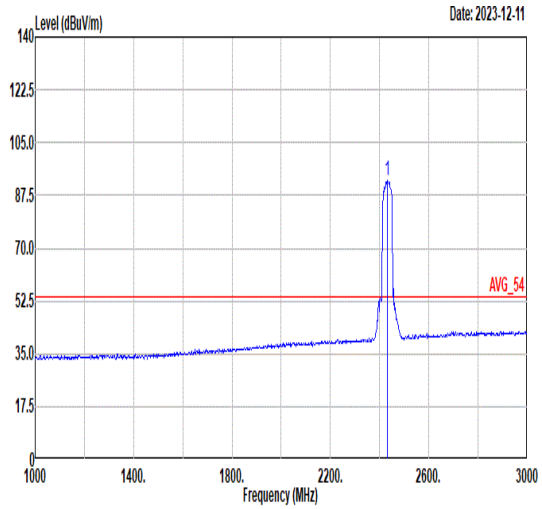
Mode	23	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH10_2457MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2485.33 55.92 74.00 -18.08 52.21 32.40 4.92 33.61 389 244 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2457.00 108.71 ------ ------ 105.08 32.38 4.88 33.63 389 244 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.61 48.03 54.00 -5.97 44.32 32.40 4.92 33.61 389 244 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2457.00 100.73 ------ ------ 97.10 32.38 4.88 33.63 389 244 AVERAGE

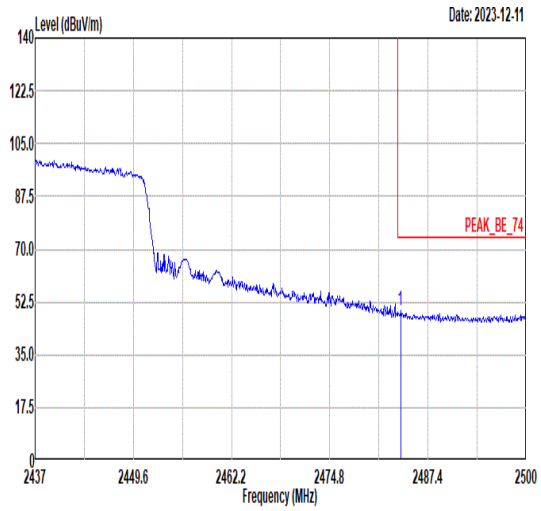
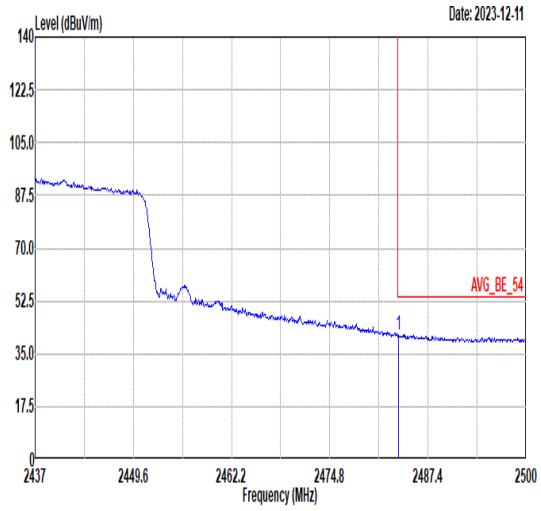
Mode	24	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH04_Full RU _2427MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2388.18 49.83 74.00 -24.17 41.90 32.25 7.76 32.08 100 123 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2427.00 98.18 ------ ------ 90.10 32.34 7.82 32.08 100 123 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2388.96 42.60 54.00 -11.40 34.66 32.26 7.76 32.08 100 123 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2427.00 89.60 ------ ------ 81.53 32.33 7.82 32.08 100 123 AVERAGE

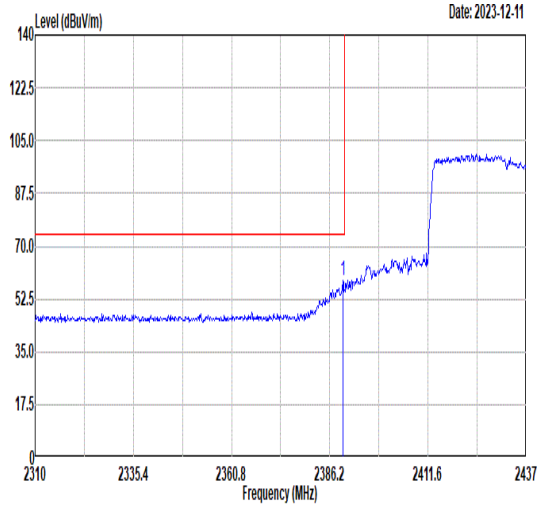
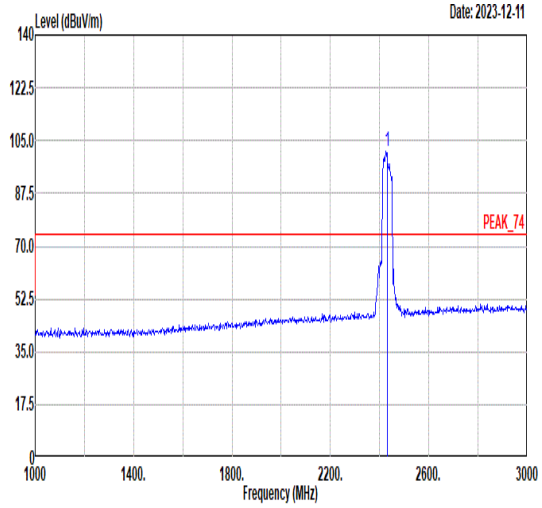
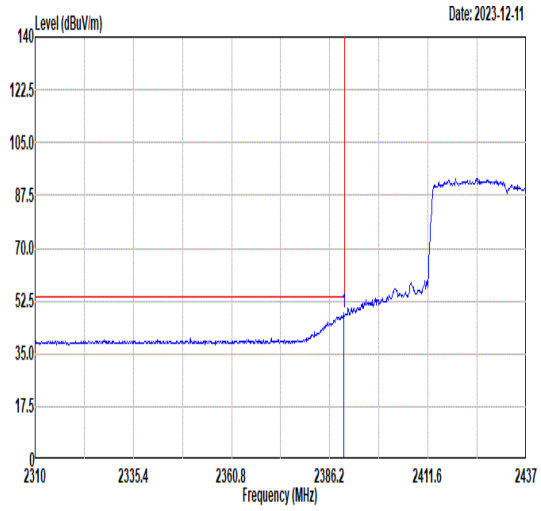
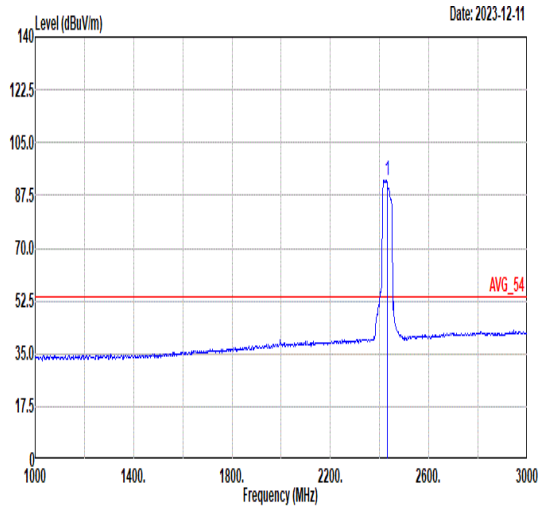
Mode	24	
	Band Edge - R	
	2400-2483.5_802.11ax HE40_CH04_Full RU _2427MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2483.93 48.76 74.00 -25.24 40.52 32.46 7.88 32.10 100 123 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2493.53 40.84 54.00 -13.16 32.56 32.49 7.89 32.10 100 123 AVERAGE	Blank

Mode	24	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH04_Full RU _2427MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.97 55.66 74.00 -18.34 47.72 32.26 7.76 32.08 400 236 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2427.00 100.78 ------ ------ 92.71 32.33 7.82 32.08 400 236 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.97 47.68 54.00 -6.32 39.74 32.26 7.76 32.08 400 236 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2427.00 93.19 ------ ------ 85.12 32.33 7.82 32.08 400 236 AVERAGE

Mode	24	
	Band Edge - R	
	2400-2483.5_802.11ax HE40_CH04_Full RU _2427MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2484.71 49.60 74.00 -24.40 41.35 32.47 7.88 32.10 400 236 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2484.63 40.84 54.00 -13.16 32.59 32.47 7.88 32.10 400 236 AVERAGE	Blank

Mode	25	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH05_Full RU _2432MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2388.36 54.87 74.00 -19.13 46.94 32.25 7.76 32.08 100 126 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2432.00 99.61 ------ ------ 91.51 32.36 7.83 32.09 100 126 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.63 45.61 54.00 -8.39 37.67 32.26 7.76 32.08 100 126 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2432.00 92.31 ------ ------ 84.22 32.35 7.83 32.09 100 126 AVERAGE

Mode	25	
	Band Edge - R	
	2400-2483.5_802.11ax HE40_CH05_Full RU _2432MHz	
ANT	7+8	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2483.87 49.52 74.00 -24.48 41.28 32.46 7.88 32.10 100 126 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2483.62 41.24 54.00 -12.76 33.00 32.46 7.88 32.10 100 126 AVERAGE	Blank

Mode	25	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH05_Full RU _2432MHz	
ANT	7+8	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.63 58.52 74.00 -15.48 50.58 32.26 7.76 32.08 400 237 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2432.00 101.22 ------ ------ 93.15 32.33 7.82 32.08 400 237 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.76 48.37 54.00 -5.63 40.43 32.26 7.76 32.08 400 237 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2432.00 92.64 ------ ------ 84.58 32.32 7.82 32.08 400 237 AVERAGE