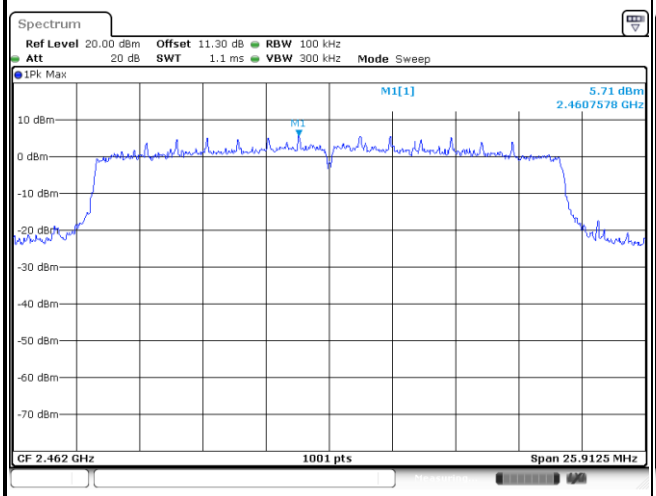
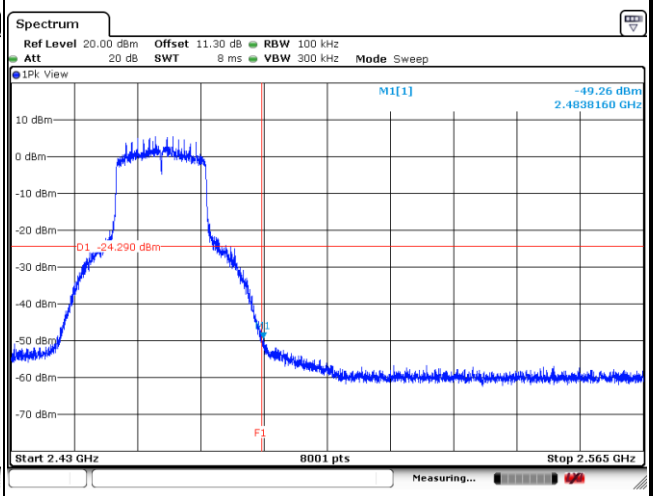
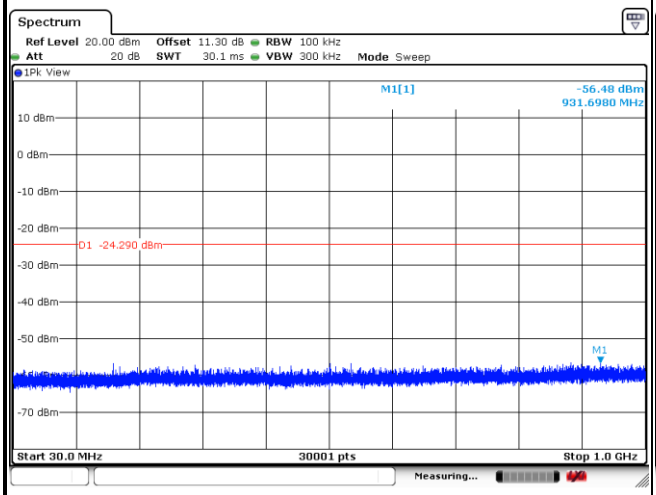
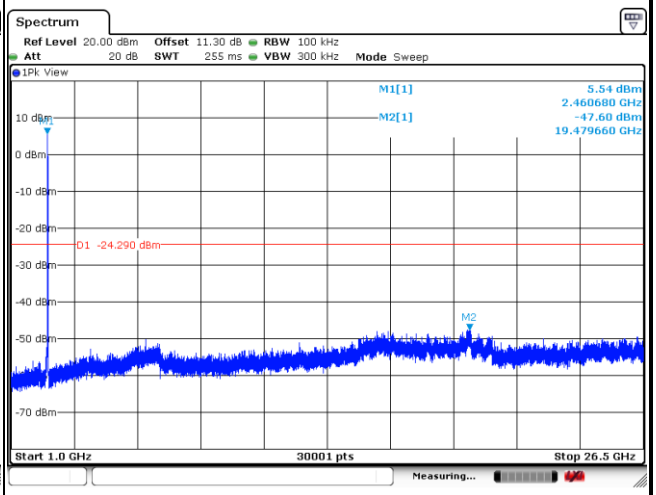
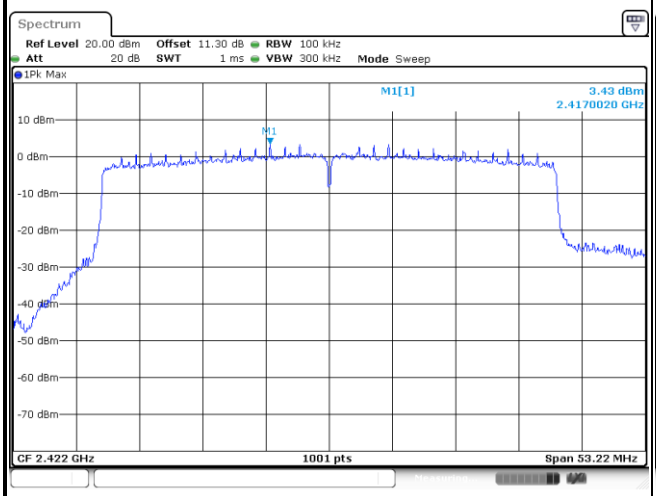
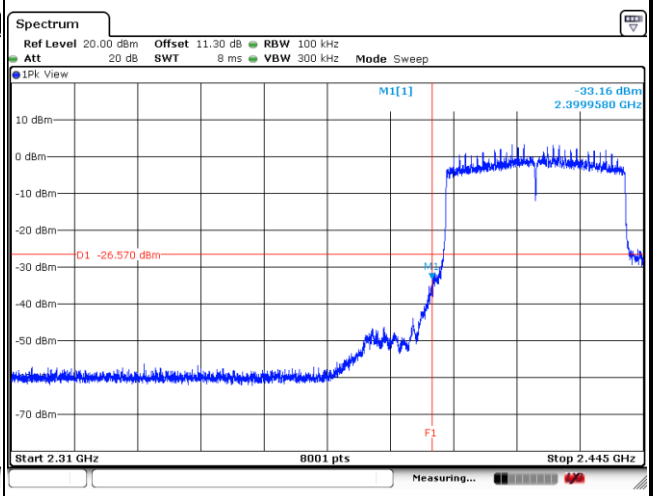
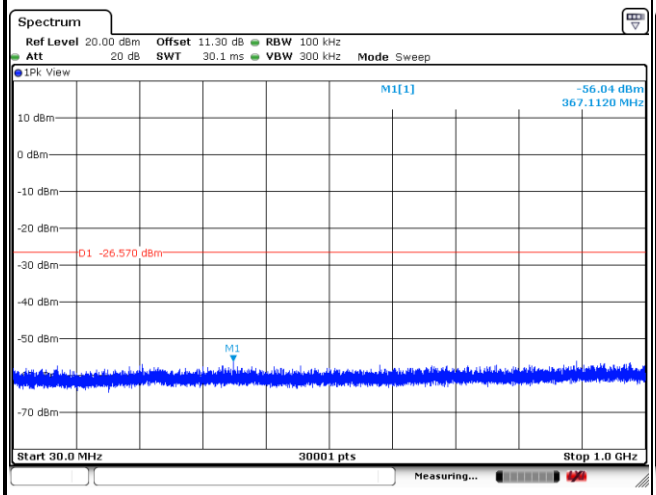
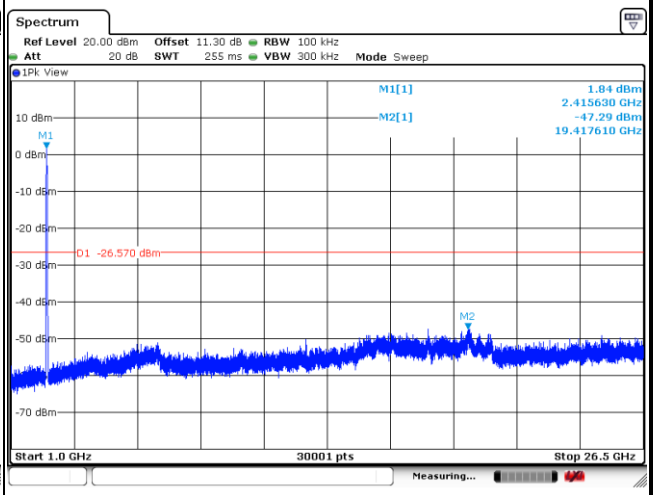
Test Mode :	802.11ac VHT20	Test Channel :	11

100kHz PSD reference Level	Channel Plot
	
Date: 15.SEP.2024 01:25:23	Date: 15.SEP.2024 01:26:21

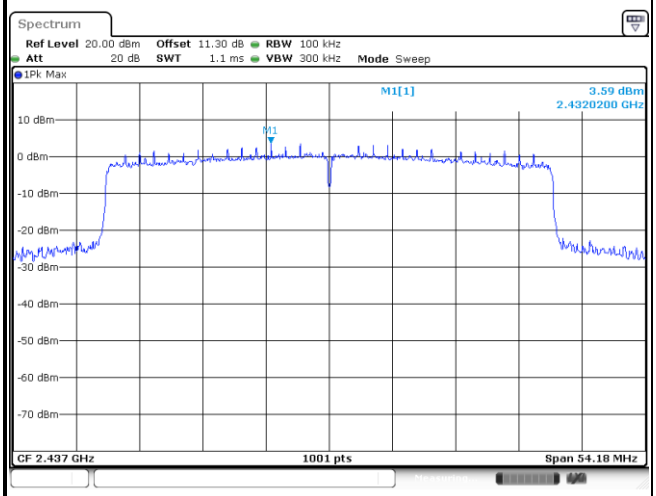
Spurious Emission Plot-1	Spurious Emission Plot-2
	
Date: 15.SEP.2024 01:25:47	Date: 15.SEP.2024 01:26:04

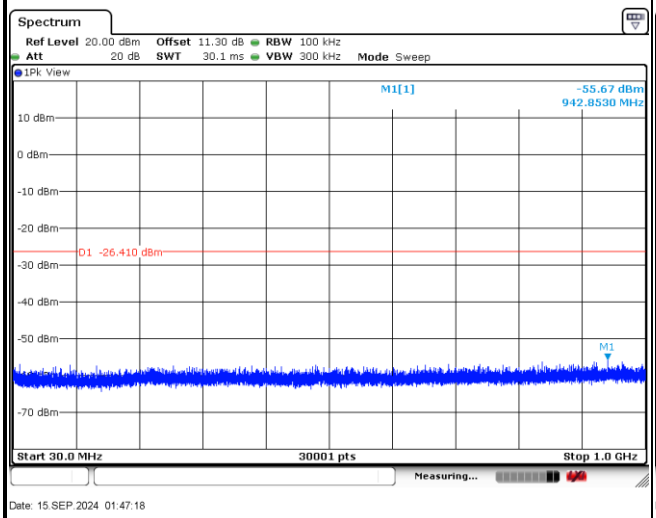
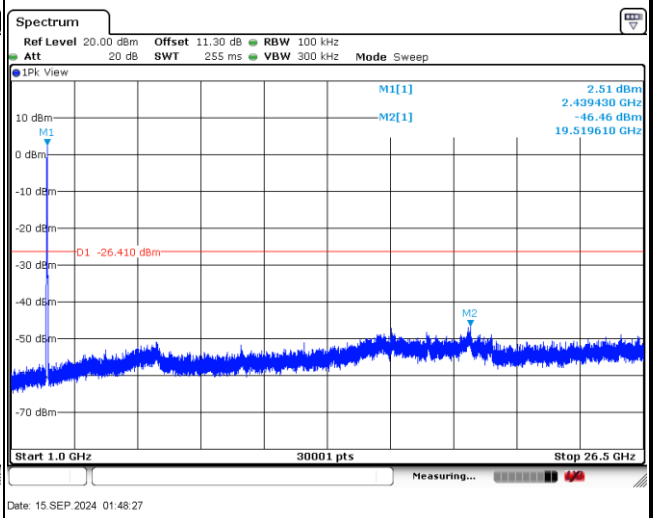
Test Mode :	802.11ax HE40	Test Channel :	03

100kHz PSD reference Level	Channel Plot
	
Date: 15.SEP.2024 01:40:34	Date: 15.SEP.2024 01:42:28

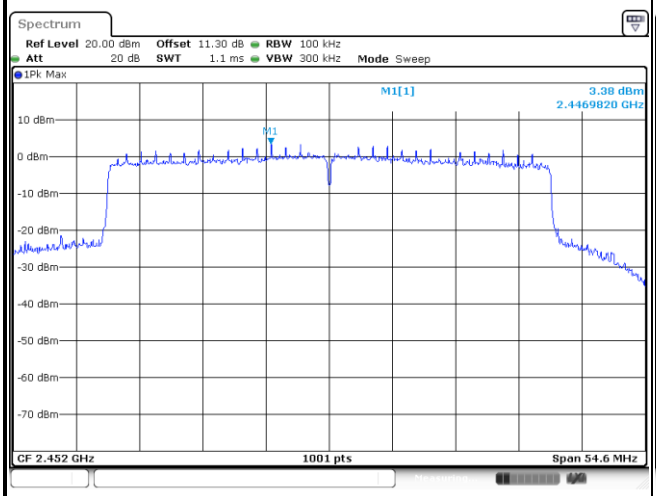
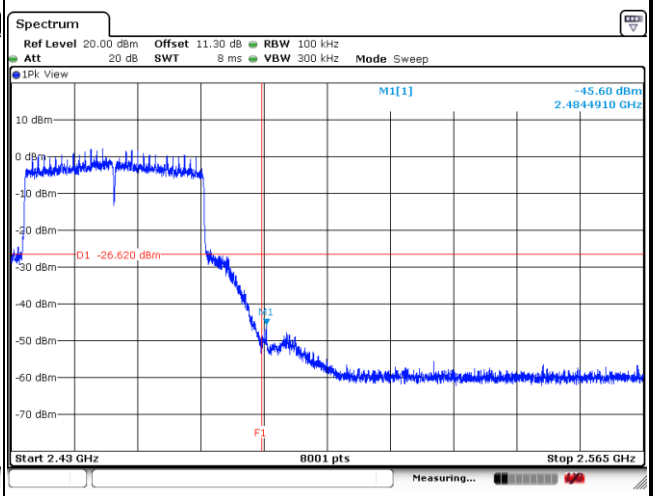
Spurious Emission Plot-1	Spurious Emission Plot-2
	
Date: 15.SEP.2024 01:41:27	Date: 15.SEP.2024 01:41:47

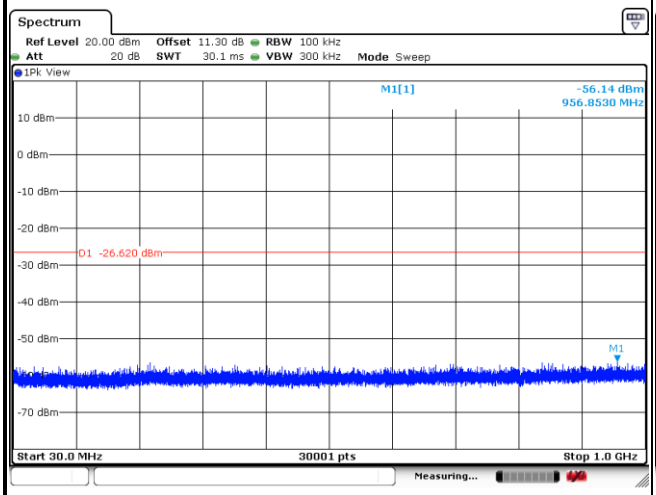
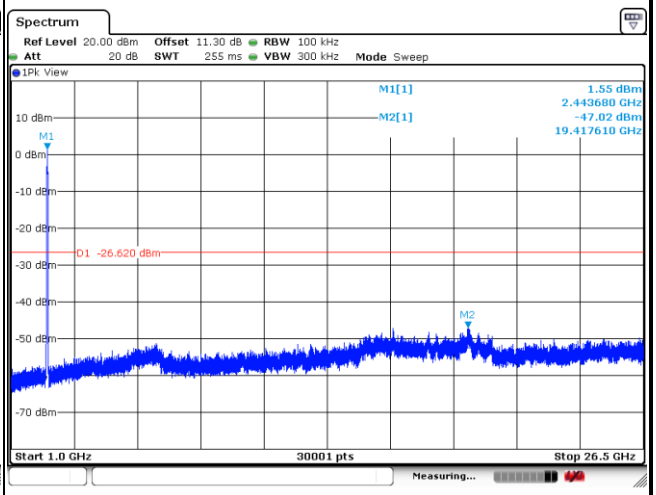
Test Mode :	802.11ac VHT40	Test Channel :	06

100kHz PSD reference Level	Channel Plot
	

Spurious Emission Plot-1	Spurious Emission Plot-2
	

Test Mode :	802.11ac VHT40	Test Channel :	09

100kHz PSD reference Level	Channel Plot
	
Date: 15.SEP.2024 02:02:19	Date: 15.SEP.2024 02:11:12

Spurious Emission Plot-1	Spurious Emission Plot-2
	
Date: 15.SEP.2024 02:04:29	Date: 15.SEP.2024 02:04:50

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

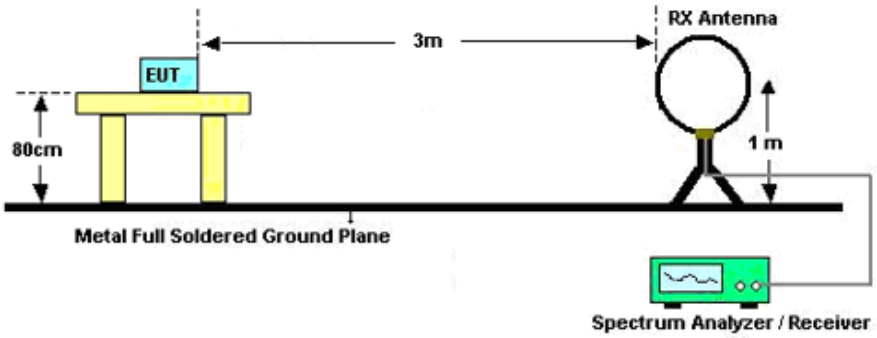
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

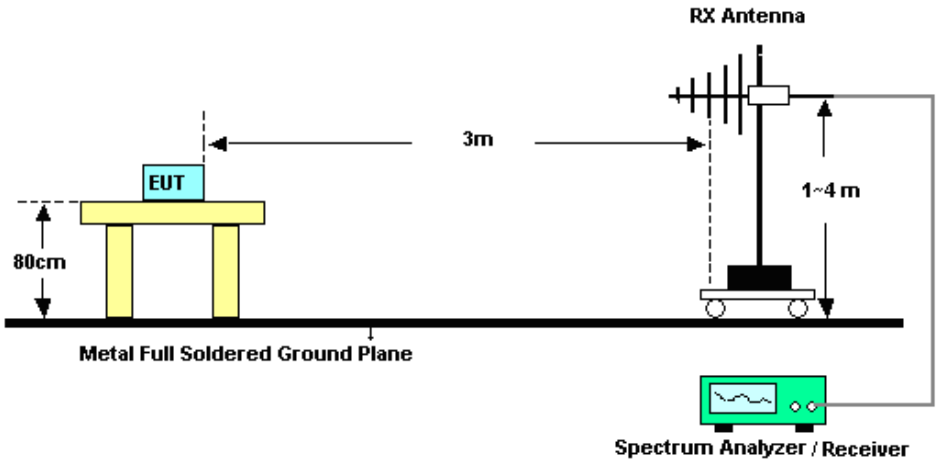
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better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

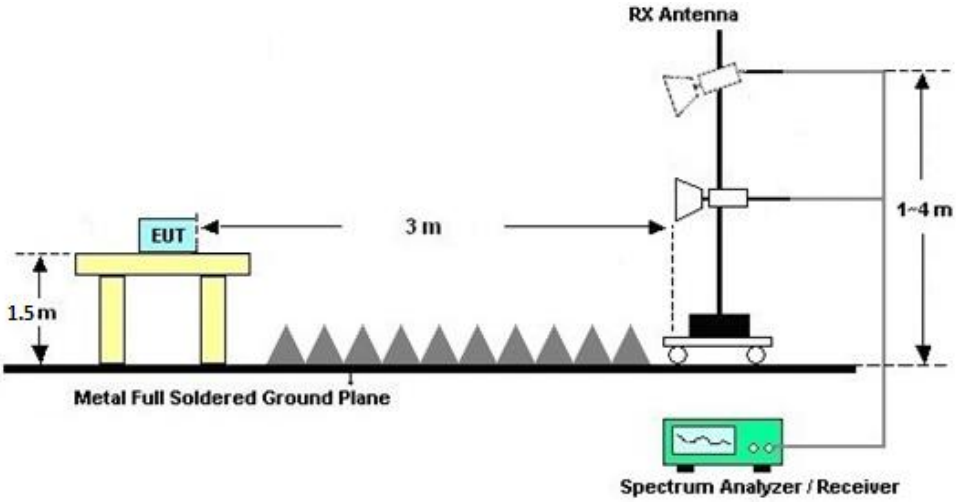
For radiated emissions below 30MHz



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.

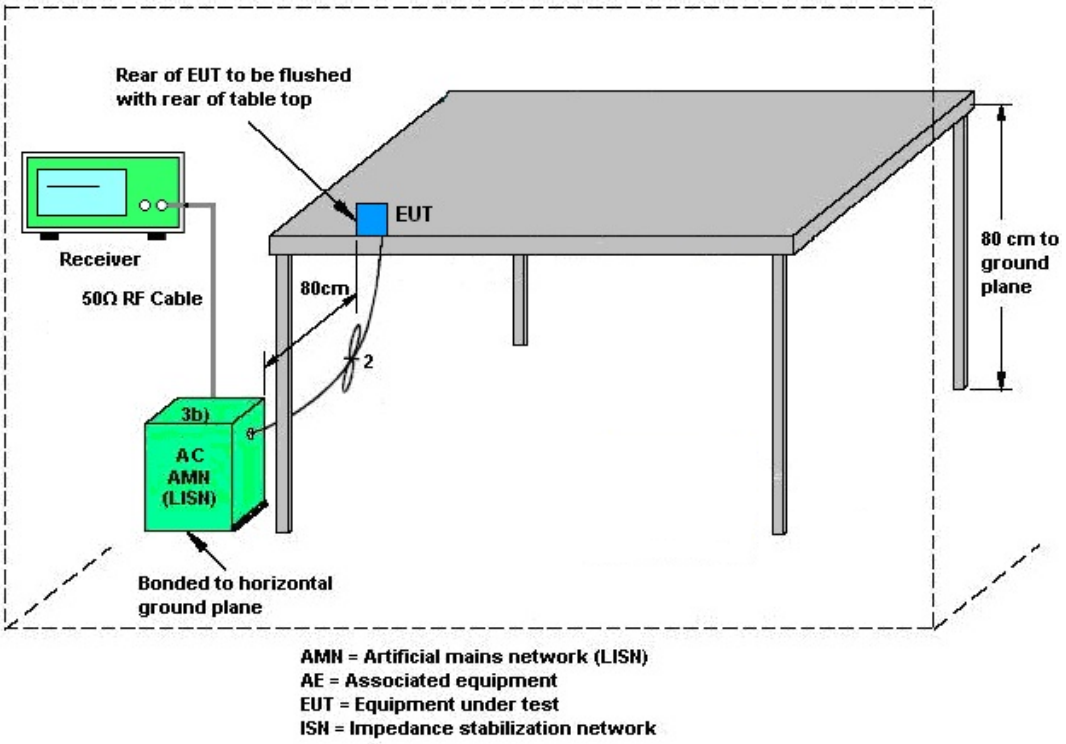
3.6.2 Measuring Instruments

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

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 0 (dBi)	Ant. 1 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	-1.40	-1.50	-1.40	1.56	0.00	0.00

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

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

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 09, 2024	Sep. 14, 2024~ Sep. 27, 2024	Apr. 08, 2025	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 29, 2023	Sep. 14, 2024~ Sep. 27, 2024	Dec. 28, 2024	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Aug. 20, 2024	Sep. 14, 2024~ Sep. 27, 2024	Aug. 19, 2025	Conducted (TH01-SZ)
Thermo meter	Anymetre	JR593	#7	- 10℃ ~ 50℃ 10%RH~99%RH	Apr. 09, 2024	Sep. 14, 2024~ Sep. 27, 2024	Apr. 08, 2025	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 18, 2023	Sep. 21, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Sep. 21, 2024	Jul. 02, 2025	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 29, 2023	Sep. 21, 2024	Dec. 28, 2024	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	May 09, 2024	Sep. 21, 2024	May 08, 2025	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 07, 2023	Sep. 21, 2024	Jul. 06, 2025	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 04, 2024	Sep. 21, 2024	Jul. 03, 2025	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 18, 2023	Sep. 21, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 18, 2023	Sep. 21, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Sep. 21, 2024	Jul. 02, 2025	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY57280136	500MHz~26.5GHz	Jul. 03, 2024	Sep. 21, 2024	Jul. 02, 2025	Radiation (03CH04-SZ)
AC Power Source	APC	AFV-S-600B	F119050019	N/A	Oct. 18, 2023	Sep. 21, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Sep. 21, 2024	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Sep. 21, 2024	NCR	Radiation (03CH04-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Jul. 04, 2024	Sep. 18, 2024	Jul. 03, 2025	Conduction (CO01-SZ)
AC LISN	R&S	ENV216	100063	9kHz~30MHz	Jul. 04, 2024	Sep. 18, 2024	Jul. 03, 2025	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 16, 2023	Sep. 18, 2024	Oct. 15, 2024	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Aug. 14, 2024	Sep. 18, 2024	Aug. 13, 2025	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))	2.5 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.8 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB

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

Appendix A. Conducted Test Results

A1. Conducted Test Results

Test Engineer:	He Qingsheng	Temperature:	21~25	°C
Test Date:	2024/9/14~2024/9/27	Relative Humidity:	51~54	%

Report Number : FR480201C

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band Single Antenna										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant0	Ant1	Ant0	Ant1		
11b	1Mbps	1	1	2412	12.70	12.76	7.60	8.04	0.50	Pass
11b	1Mbps	1	6	2437	12.73	12.81	7.60	7.62	0.50	Pass
11b	1Mbps	1	11	2462	12.73	12.85	7.62	8.10	0.50	Pass
11g	6Mbps	1	1	2412	17.08	17.00	16.06	16.36	0.50	Pass
11g	6Mbps	1	6	2437	16.65	16.64	15.70	16.30	0.50	Pass
11g	6Mbps	1	11	2462	17.03	17.11	15.74	15.72	0.50	Pass
VHT20	MCS0	2	1	2412	18.19	17.95	17.08	17.62	0.50	Pass
VHT20	MCS0	2	6	2437	17.84	17.70	16.84	17.58	0.50	Pass
VHT20	MCS0	2	11	2462	18.15	18.60	15.72	17.60	0.50	Pass
VHT40	MCS0	2	3	2422	37.12	36.91	35.56	35.20	0.50	Pass
VHT40	MCS0	2	6	2437	37.38	37.19	35.20	35.20	0.50	Pass
VHT40	MCS0	2	9	2452	37.15	37.27	35.28	35.80	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
						Ant0	Ant1	Ant0	Ant1		
HE20	MCS0	1	1	2412	Full	18.88	18.88	18.60	18.65	0.50	Pass
HE20	MCS0	1	6	2437	Full	18.98	18.98	18.55	18.93	0.50	Pass
HE20	MCS0	1	11	2462	Full	19.03	19.02	18.18	17.28	0.50	Pass
HE40	MCS0	1	3	2422	Full	37.96	37.93	37.60	35.48	0.50	Pass
HE40	MCS0	1	6	2437	Full	38.00	37.99	37.32	36.12	0.50	Pass
HE40	MCS0	1	9	2452	Full	37.96	38.01	37.24	36.40	0.50	Pass

Report Number : FR480201C

TEST RESULTS DATA
Average Output Power

2.4GHz Band Single Antenna																			
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	Setting	
					Ant0	Ant1	SUM	Ant0	Ant1	Ant0	Ant1	Ant0	Ant1	Ant0	Ant1		Ant 0	Ant 1
11b	1Mbps	1	1	2412	16.40	16.70		30.00	30.00	-1.40	-1.50	15.00	15.20	36.00	36.00	Pass	16.00	16.00
11b	1Mbps	1	6	2437	16.70	16.90		30.00	30.00	-1.40	-1.50	15.30	15.40	36.00	36.00	Pass	16.00	16.00
11b	1Mbps	1	11	2462	16.30	16.80		30.00	30.00	-1.40	-1.50	14.90	15.30	36.00	36.00	Pass	16.00	16.00
11g	6Mbps	1	1	2412	14.70	14.70		30.00	30.00	-1.40	-1.50	13.30	13.20	36.00	36.00	Pass	14.00	14.00
11g	6Mbps	1	6	2437	16.90	17.00		30.00	30.00	-1.40	-1.50	15.50	15.50	36.00	36.00	Pass	16.00	16.00
11g	6Mbps	1	10	2457	16.40	16.60		30.00	30.00	-1.40	-1.50	15.00	15.10	36.00	36.00	Pass	16.00	16.00
11g	6Mbps	1	11	2462	13.00	13.00		30.00	30.00	-1.40	-1.50	11.60	11.50	36.00	36.00	Pass	13.00	13.00

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	Setting	
					Ant0	Ant1	SUM	Ant0	Ant1	Ant0	Ant1	Ant0	Ant1	Ant0	Ant1		Ant 0	Ant 1
VHT20	MCS0	2	1	2412	14.80	14.90	17.86	30.00		-1.40		16.46		36.00		Pass	14.00	
VHT20	MCS0	2	6	2437	17.10	17.10	20.11	30.00		-1.40		18.71		36.00		Pass	16.00	
VHT20	MCS0	2	10	2457	16.50	16.60	19.56	30.00		-1.40		18.16		36.00		Pass	16.00	
VHT20	MCS0	2	11	2462	13.00	13.10	16.06	30.00		-1.40		14.66		36.00		Pass	13.00	
VHT40	MCS0	2	3	2422	13.50	13.40	16.46	30.00		-1.40		15.06		36.00		Pass	13.00	
VHT40	MCS0	2	4	2427	15.80	15.80	18.81	30.00		-1.40		17.41		36.00		Pass	15.00	
VHT40	MCS0	2	5	2432	16.80	16.80	19.81	30.00		-1.40		18.41		36.00		Pass	16.00	
VHT40	MCS0	2	6	2437	17.00	16.90	19.96	30.00		-1.40		18.56		36.00		Pass	16.00	
VHT40	MCS0	2	7	2442	15.70	15.70	18.71	30.00		-1.40		17.31		36.00		Pass	15.00	
VHT40	MCS0	2	8	2447	15.20	15.20	18.21	30.00		-1.40		16.81		36.00		Pass	14.50	
VHT40	MCS0	2	9	2452	11.30	11.20	14.26	30.00		-1.40		12.86		36.00		Pass	11.00	

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

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																				
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail	Setting	
						Ant0	Ant1	SUM	Ant0	Ant1	Ant0	Ant1	Ant0	Ant1	Ant0	Ant1		Ant 0	Ant 1
HE20	MCS0	2	1	2412	Full	15.20	15.20	18.21	30.00		-1.40		16.81		36.00		Pass	14.00	
HE20	MCS0	2	1	2412	26/0	6.90	7.00	9.96	30.00		-1.40		8.56		36.00		Pass	6.00	
HE20	MCS0	2	1	2412	52/37	9.70	9.80	12.76	30.00		-1.40		11.36		36.00		Pass	8.50	
HE20	MCS0	2	1	2412	106/53	12.00	12.20	15.11	30.00		-1.40		13.71		36.00		Pass	11.00	
HE20	MCS0	2	6	2437	Full	17.20	17.30	20.26	30.00		-1.40		18.86		36.00		Pass	16.00	
HE20	MCS0	2	10	2457	Full	16.70	16.70	19.71	30.00		-1.40		18.31		36.00		Pass	16.00	
HE20	MCS0	2	11	2462	Full	13.20	13.30	16.26	30.00		-1.40		14.86		36.00		Pass	13.00	
HE20	MCS0	2	11	2462	26/8	5.20	4.90	8.06	30.00		-1.40		6.66		36.00		Pass	4.50	
HE20	MCS0	2	11	2462	52/40	7.80	7.30	10.57	30.00		-1.40		9.17		36.00		Pass	7.00	
HE20	MCS0	2	11	2462	106/54	10.30	10.00	13.16	30.00		-1.40		11.76		36.00		Pass	9.50	
HE40	MCS0	2	3	2422	Full	13.60	13.50	16.56	30.00		-1.40		15.16		36.00		Pass	13.00	
HE40	MCS0	2	4	2427	Full	15.60	15.70	18.66	30.00		-1.40		17.26		36.00		Pass	14.50	
HE40	MCS0	2	5	2432	Full	16.70	16.60	19.66	30.00		-1.40		18.26		36.00		Pass	15.50	
HE40	MCS0	2	6	2437	Full	17.20	17.20	20.21	30.00		-1.40		18.81		36.00		Pass	16.00	
HE40	MCS0	2	7	2442	Full	16.00	16.00	19.01	30.00		-1.40		17.61		36.00		Pass	15.00	
HE40	MCS0	2	8	2447	Full	15.00	15.00	18.01	30.00		-1.40		16.61		36.00		Pass	14.00	
HE40	MCS0	2	9	2452	Full	11.50	11.30	14.41	30.00		-1.40		13.01		36.00		Pass	11.00	

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

Report Number : FR480201C

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band Single Antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant0	Ant1	Worse + 3.01	Ant0	Ant1	Ant0	Ant1	
11b	1Mbps	1	1	2412	-6.56	-4.35		-1.40	-1.50	8.00	8.00	Pass
11b	1Mbps	1	6	2437	-5.49	-5.75		-1.40	-1.50	8.00	8.00	Pass
11b	1Mbps	1	11	2462	-6.66	-6.01		-1.40	-1.50	8.00	8.00	Pass
11g	6Mbps	1	1	2412	-10.72	-10.44		-1.40	-1.50	8.00	8.00	Pass
11g	6Mbps	1	6	2437	-8.57	-6.59		-1.40	-1.50	8.00	8.00	Pass
11g	6Mbps	1	11	2462	-11.97	-12.06		-1.40	-1.50	8.00	8.00	Pass
VHT20	MCS0	2	1	2412	-8.90	-7.71	-4.70	1.56		8.00		Pass
VHT20	MCS0	2	6	2437	-7.44	-7.35	-4.34	1.56		8.00		Pass
VHT20	MCS0	2	11	2462	-8.54	-9.22	-5.53	1.56		8.00		Pass
VHT40	MCS0	2	3	2422	-10.85	-11.72	-7.84	1.56		8.00		Pass
VHT40	MCS0	2	6	2437	-11.24	-10.47	-7.46	1.56		8.00		Pass
VHT40	MCS0	2	9	2452	-11.30	-11.73	-8.29	1.56		8.00		Pass

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

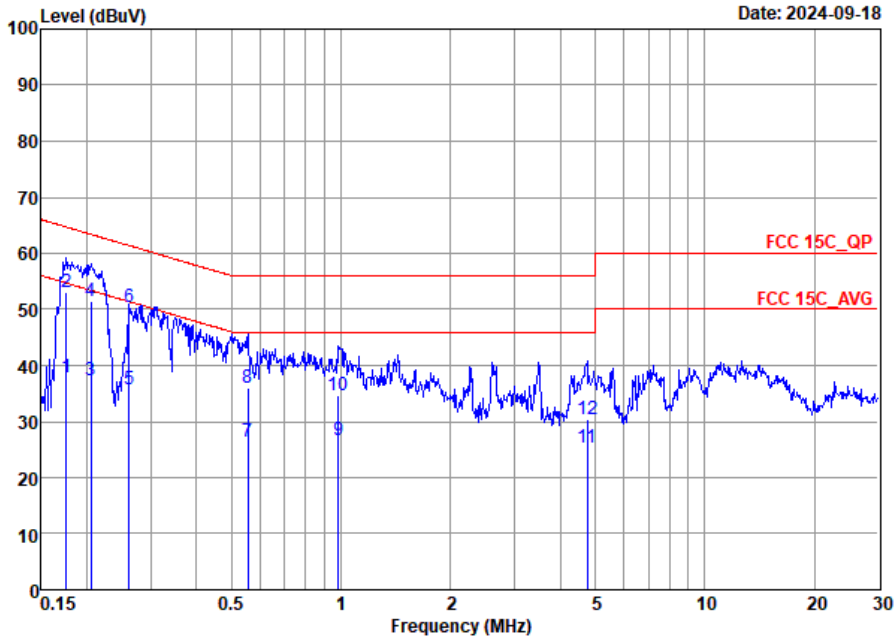
TEST RESULTS DATA
Peak Power Spectral Density

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
						Ant0	Ant1	Worse + 3.01	Ant0	Ant1	Ant0	Ant1	
HE20	MCS0	2	1	2412	Full	-7.83	-8.69	-4.82	1.56		8.00		Pass
HE20	MCS0	2	1	2412	26/0	-8.00	-8.01	-4.99	1.56		8.00		Pass
HE20	MCS0	2	1	2412	52/37	-8.36	-8.63	-5.35	1.56		8.00		Pass
HE20	MCS0	2	1	2412	106/53	-8.02	-8.04	-5.01	1.56		8.00		Pass
HE20	MCS0	2	6	2437	Full	-8.71	-9.03	-5.70	1.56		8.00		Pass
HE20	MCS0	2	11	2462	Full	-8.90	-8.95	-5.89	1.56		8.00		Pass
HE20	MCS0	2	11	2462	26/8	-9.22	-9.23	-6.21	1.56		8.00		Pass
HE20	MCS0	2	11	2462	52/40	-9.14	-9.10	-6.09	1.56		8.00		Pass
HE20	MCS0	2	11	2462	106/54	-9.00	-9.28	-5.99	1.56		8.00		Pass
HE40	MCS0	2	3	2422	Full	-12.09	-10.65	-7.64	1.56		8.00		Pass
HE40	MCS0	2	6	2437	Full	-12.13	-11.45	-8.44	1.56		8.00		Pass
HE40	MCS0	2	9	2452	Full	-12.68	-11.73	-8.72	1.56		8.00		Pass

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

Appendix B. AC Conducted Emission Test Results

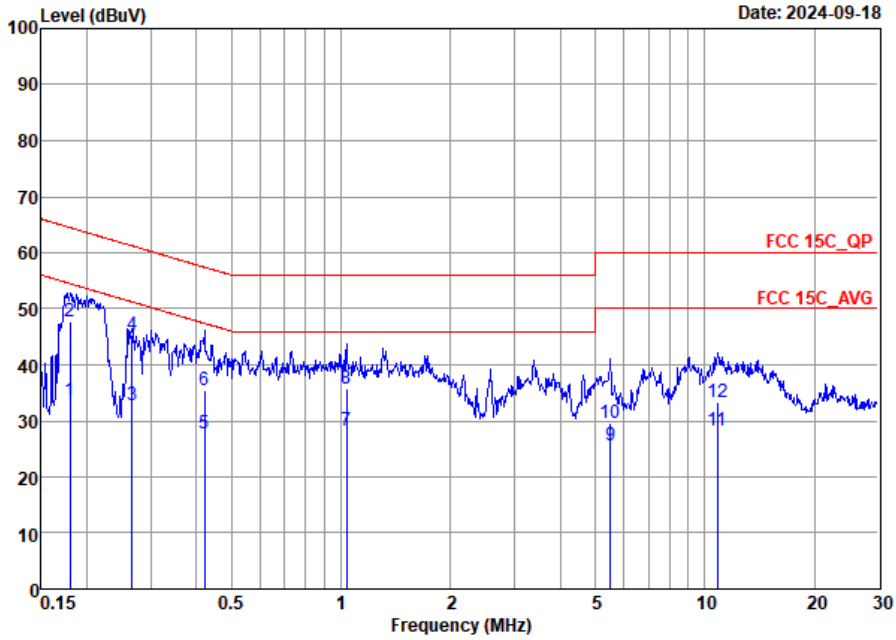
Test Engineer :	Chase Nathon	**Temperature :**	22~24℃
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



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		0.18	37.76	-16.92	54.68	17.80	9.82	10.14	Average
2		0.18	52.96	-11.72	64.68	33.00	9.82	10.14	QP
3		0.21	37.24	-16.16	53.40	17.30	9.79	10.15	Average
4		0.21	51.54	-11.86	63.40	31.60	9.79	10.15	QP
5		0.26	35.71	-15.67	51.38	15.80	9.76	10.15	Average
6	*	0.26	50.41	-10.97	61.38	30.50	9.76	10.15	QP
7		0.56	26.39	-19.61	46.00	6.50	9.73	10.16	Average
8		0.56	36.09	-19.91	56.00	16.20	9.73	10.16	QP
9		0.98	26.79	-19.21	46.00	6.90	9.73	10.16	Average
10		0.98	34.79	-21.21	56.00	14.90	9.73	10.16	QP
11		4.75	25.31	-20.69	46.00	5.20	9.77	10.34	Average
12		4.75	30.31	-25.69	56.00	10.20	9.77	10.34	QP

Test Engineer :	Chase Nathon	**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		0.18	33.57	-20.93	54.50	13.61	9.82	10.14	Average
2		0.18	47.77	-16.73	64.50	27.81	9.82	10.14	QP
3		0.27	32.71	-18.54	51.25	12.80	9.76	10.15	Average
4	*	0.27	45.31	-15.94	61.25	25.40	9.76	10.15	QP
5		0.42	27.68	-19.74	47.42	7.80	9.72	10.16	Average
6		0.42	35.58	-21.84	57.42	15.70	9.72	10.16	QP
7		1.04	28.35	-17.65	46.00	8.50	9.69	10.16	Average
8		1.04	35.65	-20.35	56.00	15.80	9.69	10.16	QP
9		5.51	25.49	-24.51	50.00	5.40	9.74	10.35	Average
10		5.51	29.69	-30.31	60.00	9.60	9.74	10.35	QP
11		10.85	28.23	-21.77	50.00	8.10	9.73	10.40	Average
12		10.85	33.23	-26.77	60.00	13.10	9.73	10.40	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 :	Liang HuaCong	Relative Humidity :	50%
		Temperature :	20℃-22℃

Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 11	2400-2483.5	0	802.11b	01	2412	1Mbps	-	-
Mode 12	2400-2483.5	0	802.11b	06	2437	1Mbps	-	-
Mode 13	2400-2483.5	0	802.11b	11	2462	1Mbps	-	-
Mode 14	2400-2483.5	0	802.11g	01	2412	6Mbps	-	-
Mode 15	2400-2483.5	0	802.11g	06	2437	6Mbps	-	-
Mode 16	2400-2483.5	0	802.11g	11	2462	6Mbps	-	-
Mode 17	2400-2483.5	CDD 0+1	802.11ac VHT20	01	2412	MCS0	-	-
Mode 18	2400-2483.5	CDD 0+1	802.11ac VHT20	06	2437	MCS0	-	-
Mode 19	2400-2483.5	CDD 0+1	802.11ac VHT20	11	2462	MCS0	-	-
Mode 20	2400-2483.5	CDD 0+1	802.11ac VHT40	03	2422	MCS0	-	-
Mode 21	2400-2483.5	CDD 0+1	802.11ac VHT40	09	2452	MCS0	-	-
Mode 22	2400-2483.5	CDD 0+1	802.11ax HE20	01	2412	MCS0	-	-
Mode 23	2400-2483.5	CDD 0+1	802.11ax HE20	06	2437	MCS0	-	-
Mode 24	2400-2483.5	CDD 0+1	802.11ax HE20	11	2462	MCS0	-	-
Mode 25	2400-2483.5	CDD 0+1	802.11ax HE40	03	2422	MCS0	-	-
Mode 26	2400-2483.5	CDD 0+1	802.11ax HE40	09	2452	MCS0	-	-
Mode 27	2400-2483.5	CDD 0+1	802.11ax HE20	01	2412	MCS0	Partial RU	26/0
Mode 28	2400-2483.5	CDD 0+1	802.11ax HE20	11	2462	MCS0	Partial RU	106/54
Mode 29	2400-2483.5	CDD 0+1	802.11b	11	2462	1Mbps	-	LF
Mode 30	Co-TX	0	Bluetooth-LE	38	2478	2Mbps	-	-
		SISO 0	802.11ac VHT20	11	2462	MCS0	-	-
Mode 31	2400-2483.5	1	802.11b	01	2412	1Mbps	-	-
Mode 32	2400-2483.5	1	802.11b	06	2437	1Mbps	-	-
Mode 33	2400-2483.5	1	802.11b	11	2462	1Mbps	-	-
Mode 34	2400-2483.5	1	802.11g	01	2412	6Mbps	-	-
Mode 35	2400-2483.5	1	802.11g	06	2437	6Mbps	-	-

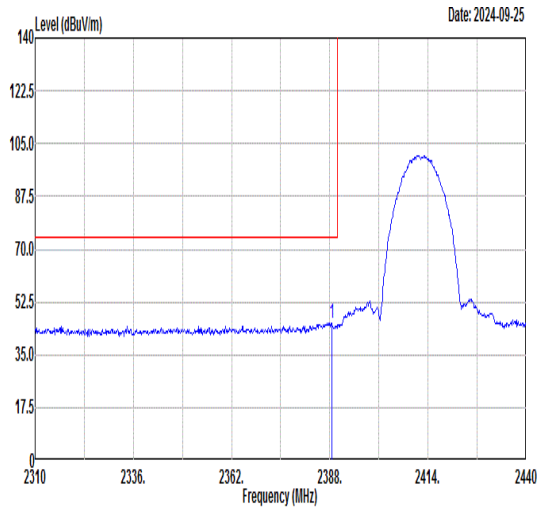
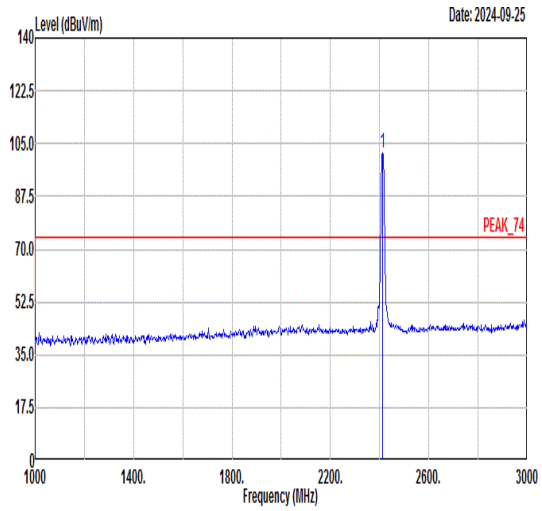
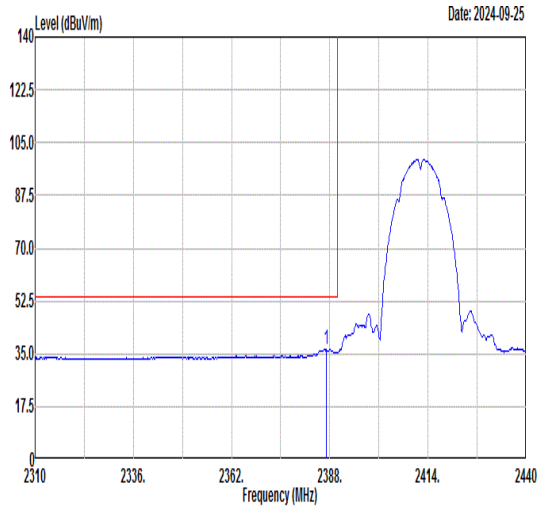
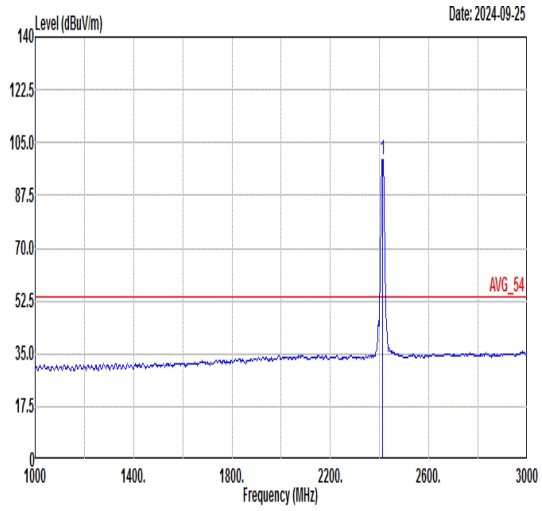
Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 36	2400-2483.5	1	802.11g	11	2462	6Mbps	-	-
Mode 37	2400-2483.5	1	802.11g	10	2457	6Mbps	-	-
Mode 38	2400-2483.5	1	802.11g	10	2457	6Mbps	-	-
Mode 39	2400-2483.5	CDD 0+1	802.11ac VHT20	10	2457	MCS0	-	-
Mode 40	2400-2483.5	CDD 0+1	802.11ax HE20	10	2457	MCS0	-	-
Mode 41	2400-2483.5	CDD 0+1	802.11ac VHT40	04	2427	MCS0	-	-
Mode 42	2400-2483.5	CDD 0+1	802.11ac VHT40	05	2432	MCS0	-	-
Mode 43	2400-2483.5	CDD 0+1	802.11ac VHT40	08	2447	MCS0	-	-
Mode 44	2400-2483.5	CDD 0+1	802.11ac VHT40	07	2442	MCS0	-	-
Mode 46	2400-2483.5	CDD 0+1	802.11ax HE40	04	2427	MCS0	-	-
Mode 47	2400-2483.5	CDD 0+1	802.11ax HE40	05	2432	MCS0	-	-
Mode 48	2400-2483.5	CDD 0+1	802.11ax HE40	08	2447	MCS0	-	-
Mode 49	2400-2483.5	CDD 0+1	802.11ax HE40	07	2442	MCS0	-	-

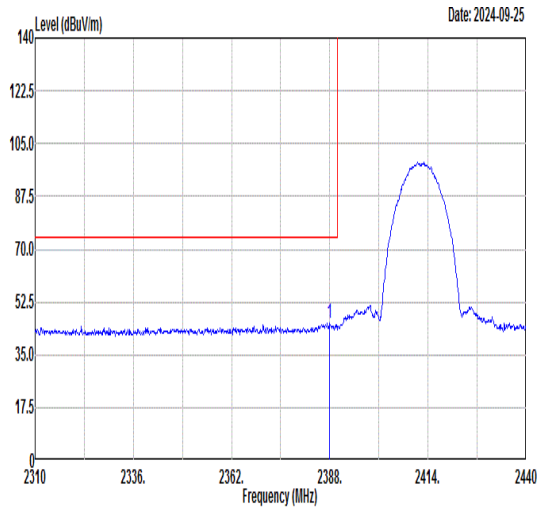
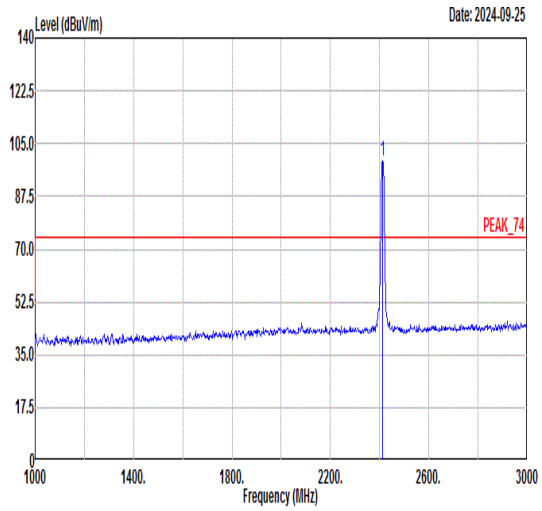
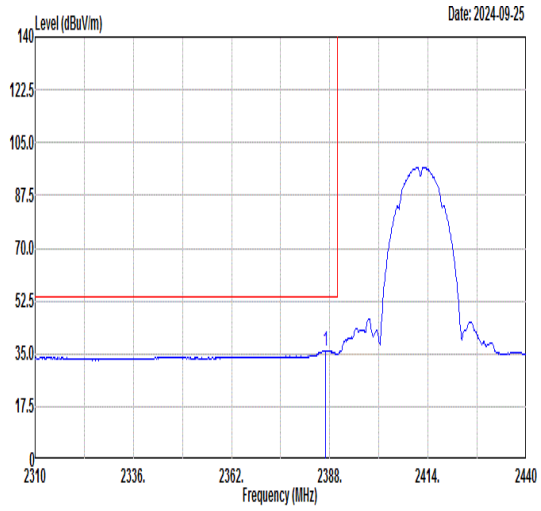
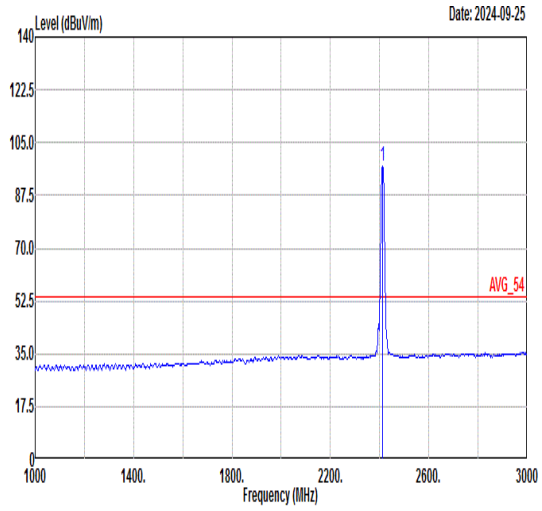
Summary of each worse mode

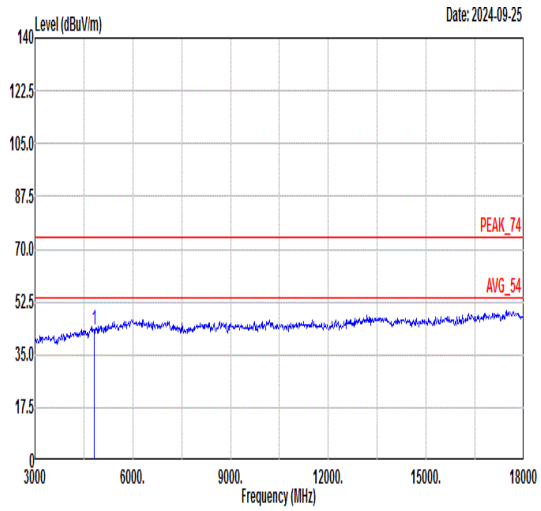
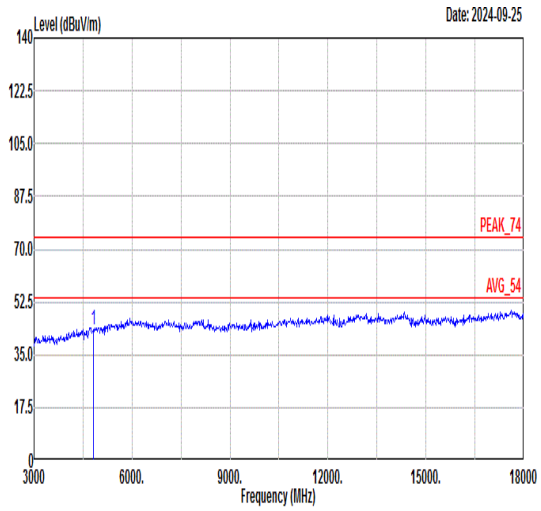
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
11	802.11b	01	2387.09	36.46	54.00	-17.54	H	AVERAGE	Pass	Band Edge
	802.11b	01	4824.00	43.55	74.00	-30.45	H	Peak	Pass	Harmonic
12	802.11b	06	-	-	-	-	-	-	-	Band Edge
12	802.11b	06	7311.00	45.47	74.00	-28.53	H	Peak	Pass	Harmonic
13	802.11b	11	2483.51	37.09	54.00	-16.91	H	AVERAGE	Pass	Band Edge
13	802.11b	11	7386.00	45.47	74.00	-28.53	H	Peak	Pass	Harmonic
14	802.11g	01	-	-	-	-	-	-	-	Band Edge
14	802.11g	01	4824.00	46.17	74.00	-27.83	H	Peak	Pass	Harmonic
15	802.11g	06	-	-	-	-	-	-	-	Band Edge
15	802.11g	06	7311.00	45.66	74.00	-28.34	H	Peak	Pass	Harmonic
16	802.11g	11	2483.51	40.57	54.00	-13.43	H	AVERAGE	Pass	Band Edge
16	802.11g	11	7386.00	45.97	74.00	-28.03	V	Peak	Pass	Harmonic
17	802.11ac VHT20	01	2389.17	47.21	54.00	-6.79	H	AVERAGE	Pass	Band Edge
	802.11ac VHT20	01	4824.00	44.72	74.00	-29.28	V	Peak	Pass	Harmonic
18	802.11ac VHT20	06	-	-	-	-	-	-	-	Band Edge
18	802.11ac VHT20	06	7311.00	45.92	74.00	-28.08	V	Peak	Pass	Harmonic
19	802.11ac VHT20	11	2483.51	48.98	54.00	-5.02	H	AVERAGE	Pass	Band Edge
19	802.11ac VHT20	11	7386.00	44.93	74.00	-29.07	V	Peak	Pass	Harmonic
20	802.11ac VHT40	03	2389.86	48.03	54.00	-5.97	H	AVERAGE	Pass	Band Edge
20	802.11ac VHT40	03	-	-	-	-	-	-	-	Harmonic
21	802.11ac VHT40	09	2485.60	48.37	54.00	-5.63	H	AVERAGE	Pass	Band Edge
21	802.11ac VHT40	09	-	-	-	-	-	-	-	Harmonic
22	802.11ax HE20	01	2389.82	48.57	54.00	-5.43	H	AVERAGE	Pass	Band Edge
	802.11ax HE20	01	4824.00	44.44	74.00	-29.56	H	Peak	Pass	Harmonic
23	802.11ax HE20	06	-	-	-	-	-	-	-	Band Edge
23	802.11ax HE20	06	7311.00	45.39	74.00	-28.61	H	Peak	Pass	Harmonic
24	802.11ax HE20	11	2483.89	48.18	54.00	-5.82	H	AVERAGE	Pass	Band Edge
24	802.11ax HE20	11	7386.00	45.79	74.00	-28.21	V	Peak	Pass	Harmonic
25	802.11ax HE40	03	2389.97	48.64	54.00	-5.36	H	AVERAGE	Pass	Band Edge
25	802.11ax HE40	03	-	-	-	-	-	-	-	Harmonic
26	802.11ax HE40	09	2486.99	47.93	54.00	-6.07	H	AVERAGE	Pass	Band Edge
26	802.11ax HE40	09	-	-	-	-	-	-	-	Harmonic
27	802.11ax HE20	01	2387.09	38.35	54.00	-15.65	H	AVERAGE	Pass	Band Edge
27	802.11ax HE20	01	-	-	-	-	-	-	-	Harmonic

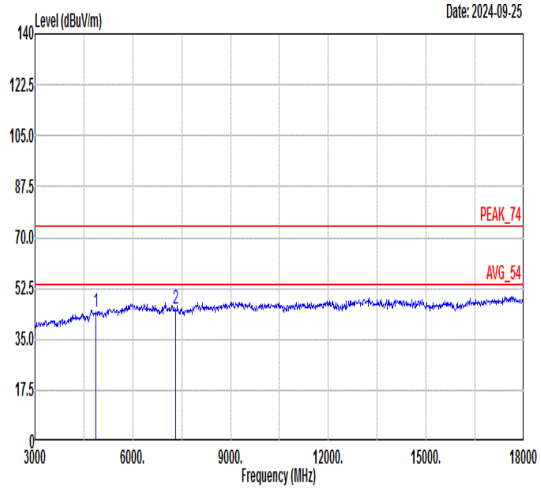
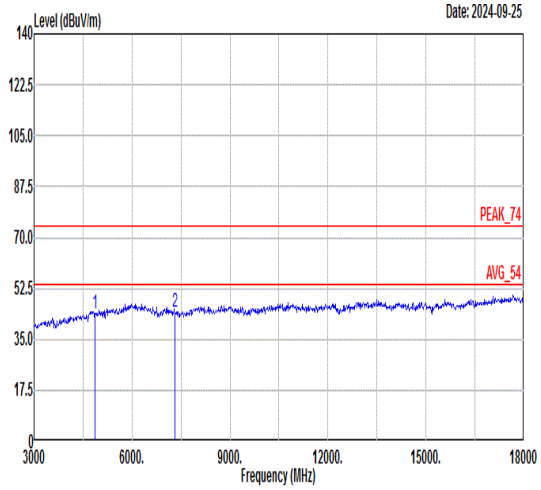
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
28	802.11ax HE20	11	2483.62	43.00	54.00	-11.00	H	AVERAGE	Pass	Band Edge
	802.11ax HE20	11	-	-	-	-	-	-	-	Harmonic
29	802.11ac VHT20	11	946.65	31.26	46.00	-14.74	V	Peak	Pass	LF
30	CO-TX	-	2483.51	44.65	54.00	-9.35	H	AVERAGE	Pass	Band Edge
		-	4924	44.58-	74.00	-29.42	V	Peak	Pass	Harmonic
31	802.11b	01	2387.74	37.79	54.00	-16.21	H	AVERAGE	Pass	Band Edge
31	802.11b	01	4824.00	44.80	74.00	-29.20	H	Peak	Pass	Harmonic
32	802.11b	06	-	-	-	-	-	-	-	Band Edge
32	802.11b	06	4874.00	48.25	74.00	-25.75	V	Peak	Pass	Harmonic
33	802.11b	11	2488.79	36.83	54.00	-17.17	H	AVERAGE	Pass	Band Edge
33	802.11b	11	4924.00	45.19	74.00	-28.81	H	Peak	Pass	Harmonic
34	802.11g	01	-	-	-	-	-	-	-	Band Edge
34	802.11g	01	4824.00	45.18	74.00	-28.82	V	Peak	Pass	Harmonic
35	802.11g	06	-	-	-	-	-	-	-	Band Edge
35	802.11g	06	7311.00	45.26	74.00	-28.74	V	Peak	Pass	Harmonic
36	802.11g	11	2483.58	40.65	54.00	-13.35	H	AVERAGE	Pass	Band Edge
36	802.11g	11	7386.00	46.68	74.00	-27.32	V	Peak	Pass	Harmonic
37	802.11g	10	2483.77	41.29	54.00	-12.71	H	AVERAGE	Pass	Band Edge
37	802.11g	10	-	-	-	-	-	-	-	Harmonic
38	802.11g	10	2486.55	38.97	54.00	-15.03	H	AVERAGE	Pass	Band Edge
38	802.11g	10	-	-	-	-	-	-	-	Harmonic
39	802.11ac VHT20	10	2484.53	42.93	54.00	-11.07	H	AVERAGE	Pass	Band Edge
39	802.11ac VHT20	10	-	-	-	-	-	-	-	Harmonic
40	802.11ax HE20	10	2483.74	43.66	54.00	-10.34	H	AVERAGE	Pass	Band Edge
40	802.11ax HE20	10	-	-	-	-	-	-	-	Harmonic
41	802.11ac VHT40	04	2389.74	48.26	54.00	-5.74	H	AVERAGE	Pass	Band Edge
41	802.11ac VHT40	04	-	-	-	-	-	-	-	Harmonic
42	802.11ac VHT40	05	2389.41	46.33	54.00	-7.67	H	AVERAGE	Pass	Band Edge
42	802.11ac VHT40	05	-	-	-	-	-	-	-	Harmonic
43	802.11ac VHT40	08	2484.50	47.69	54.00	-6.31	H	AVERAGE	Pass	Band Edge
43	802.11ac VHT40	08	-	-	-	-	-	-	-	Harmonic
44	802.11ac VHT40	07	2484.19	47.33	54.00	-6.67	H	AVERAGE	Pass	Band Edge
44	802.11ac VHT40	07	-	-	-	-	-	-	-	Harmonic

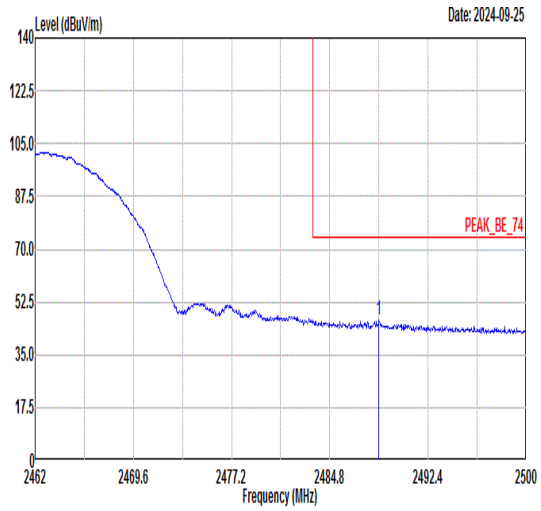
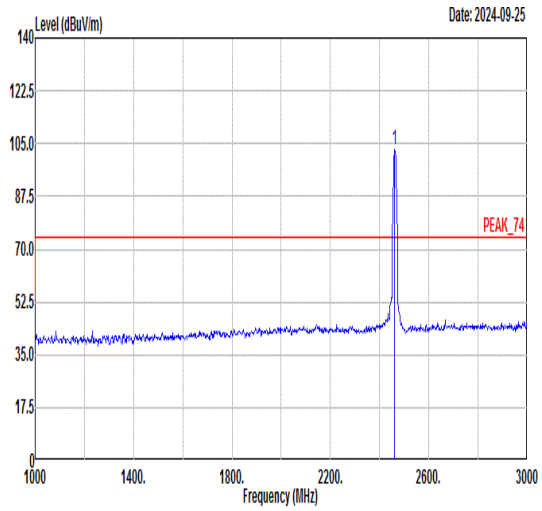
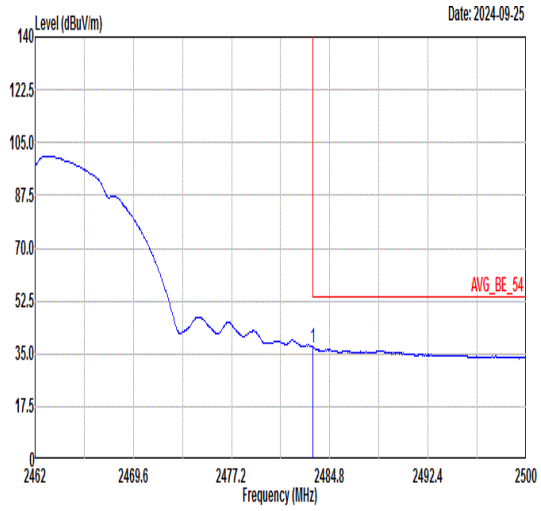
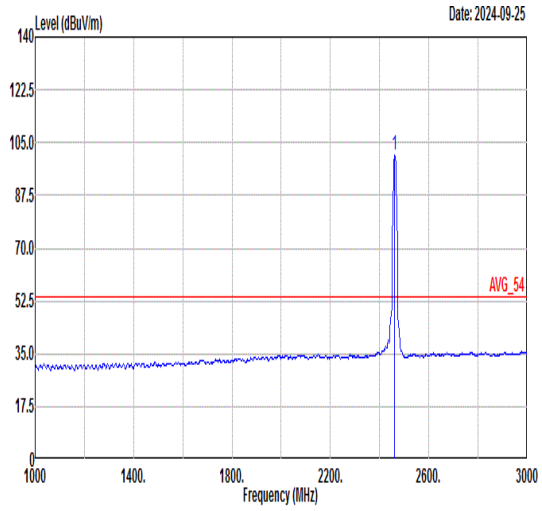
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
46	802.11ax HE40	04	2389.63	48.15	54.00	-5.85	H	AVERAGE	Pass	Band Edge
46	802.11ax HE40	04	-	-	-	-	-	-	-	Harmonic
47	802.11ax HE40	05	2389.88	48.91	54.00	-5.09	H	AVERAGE	Pass	Band Edge
47	802.11ax HE40	05	-	-	-	-	-	-	-	Harmonic
48	802.11ax HE40	08	2484.16	47.90	54.00	-6.10	H	AVERAGE	Pass	Band Edge
48	802.11ax HE40	08	-	-	-	-	-	-	-	Harmonic
49	802.11ax HE40	07	2484.57	45.48	54.00	-8.52	H	AVERAGE	Pass	Band Edge
49	802.11ax HE40	07	-	-	-	-	-	-	-	Harmonic

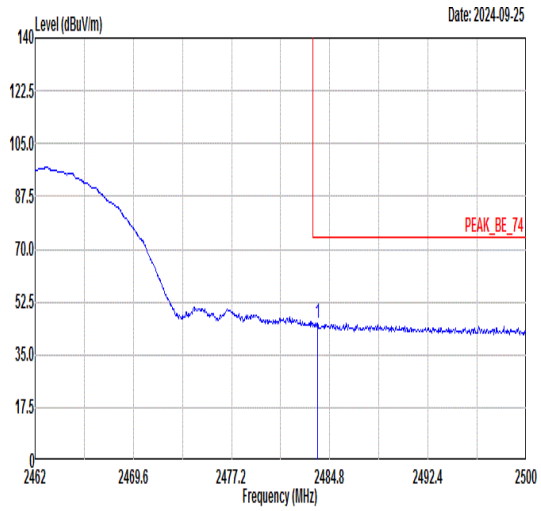
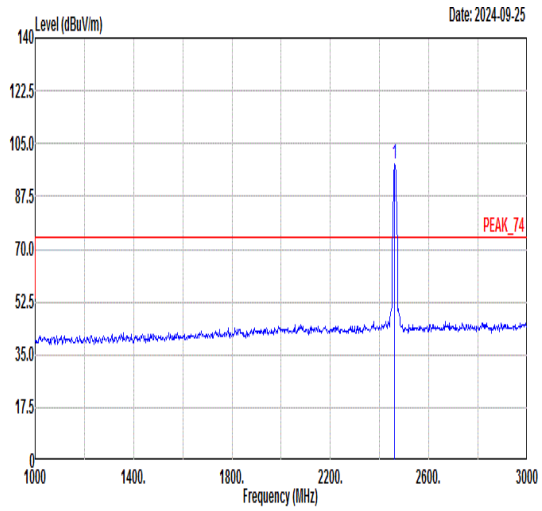
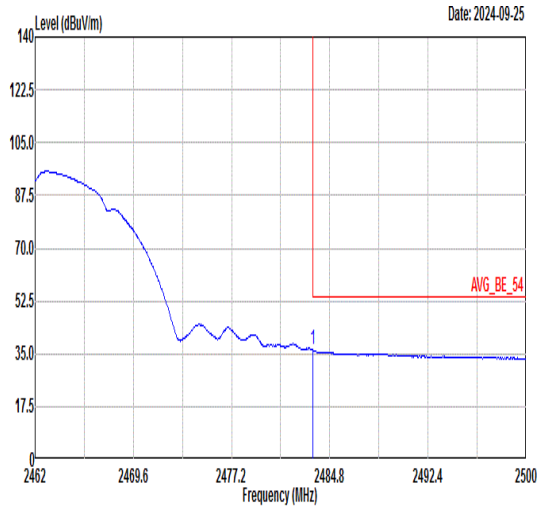
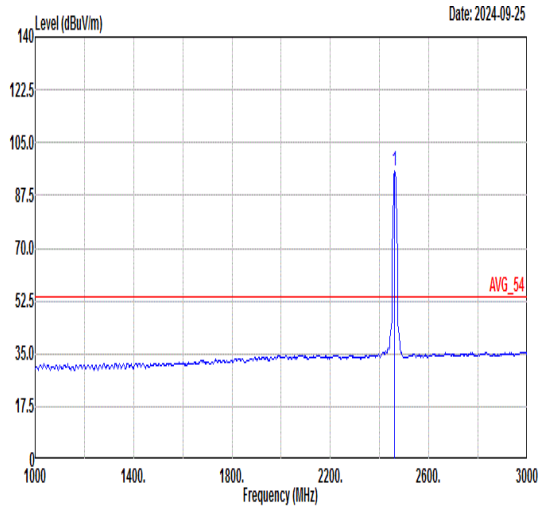
Mode	11	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	0	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2388.65 45.63 74.00 -28.37 43.08 30.72 5.36 33.53 100 139 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 101.76 ------ ------ 99.21 30.72 5.38 33.55 100 139 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2387.09 36.46 54.00 -17.54 33.91 30.72 5.36 33.53 100 139 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 99.39 ------ ------ 96.84 30.72 5.38 33.55 100 139 AVERAGE

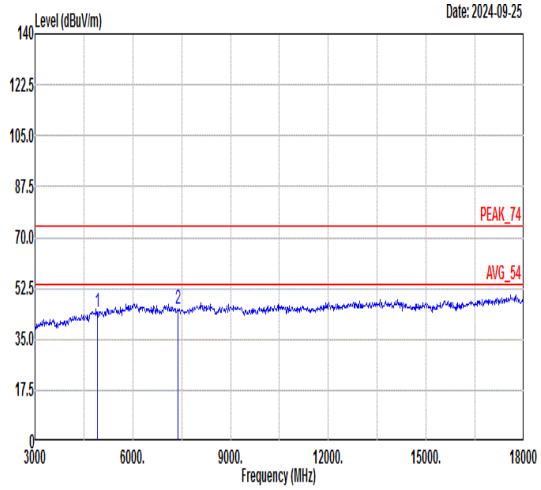
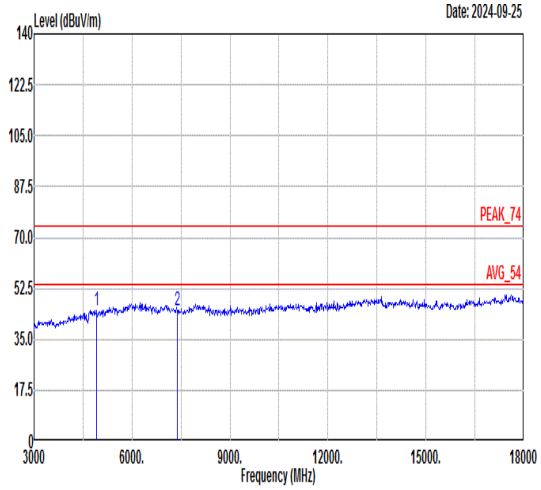
Mode	11	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	0	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2388.00 45.26 74.00 -28.74 42.71 30.72 5.36 33.53 300 173 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 99.30 ------ ------ 96.75 30.72 5.38 33.55 300 173 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2386.83 36.10 54.00 -17.90 33.55 30.72 5.36 33.53 300 173 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 96.95 ------ ------ 94.40 30.72 5.38 33.55 300 173 AVERAGE

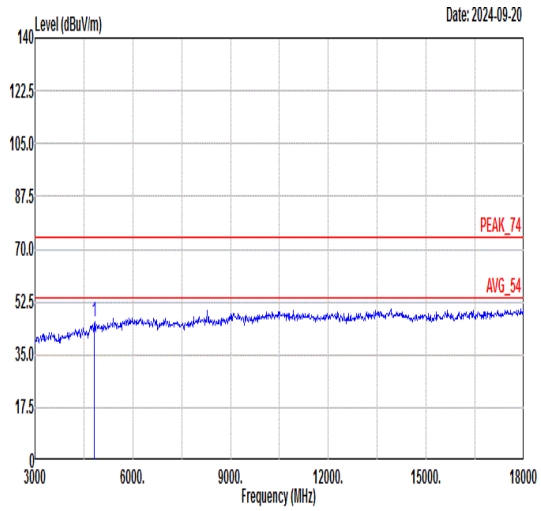
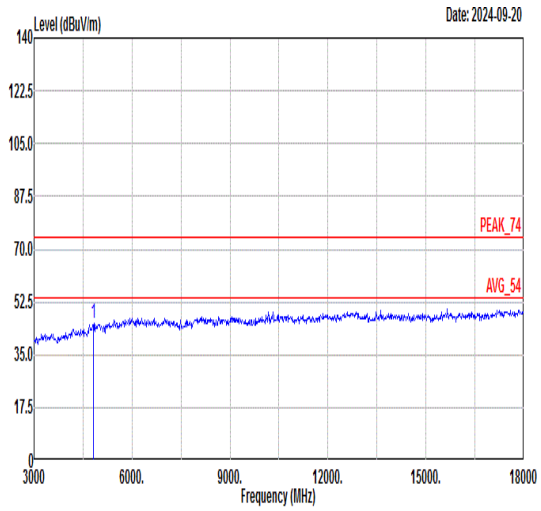
Mode	11	
	Harmonic	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	0	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 43.55 74.00 -30.45 63.74 35.78 8.88 64.85 --- --- Peak	 Freq 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 43.46 74.00 -30.54 63.65 35.78 8.88 64.85 --- --- Peak

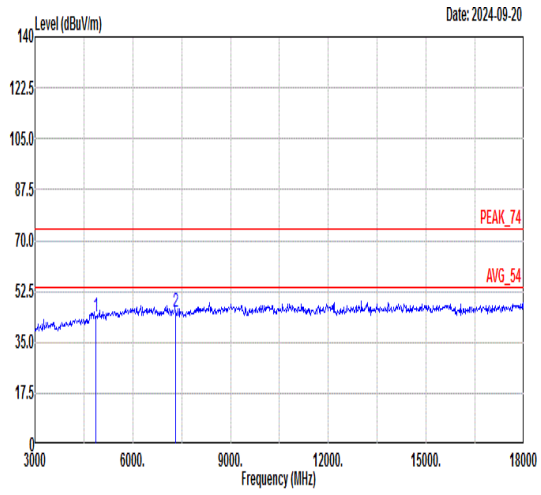
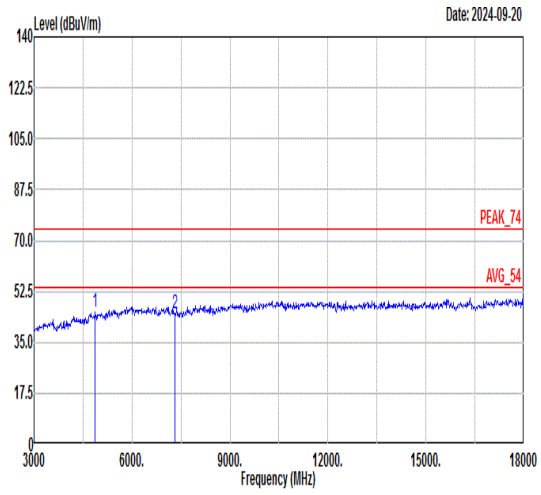
Mode	12	
	Harmonic	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	0	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 44.24 74.00 -29.76 64.49 35.90 8.72 64.87 --- --- Peak 2 7311.00 45.47 74.00 -28.53 63.27 36.88 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 4874.00 43.90 74.00 -30.10 64.15 35.90 8.72 64.87 --- --- Peak 2 7311.00 44.18 74.00 -29.82 61.98 36.88 10.18 64.86 --- --- Peak

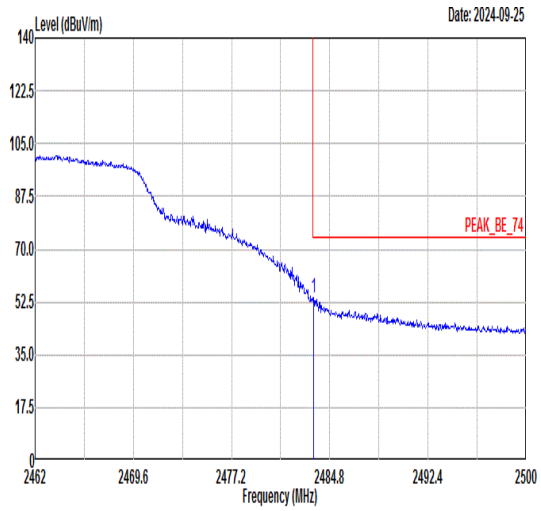
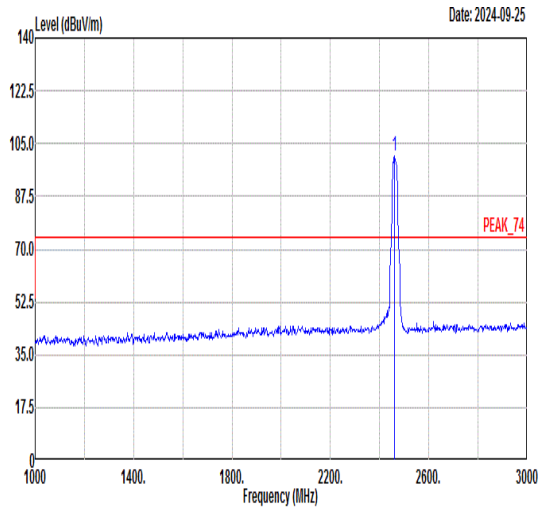
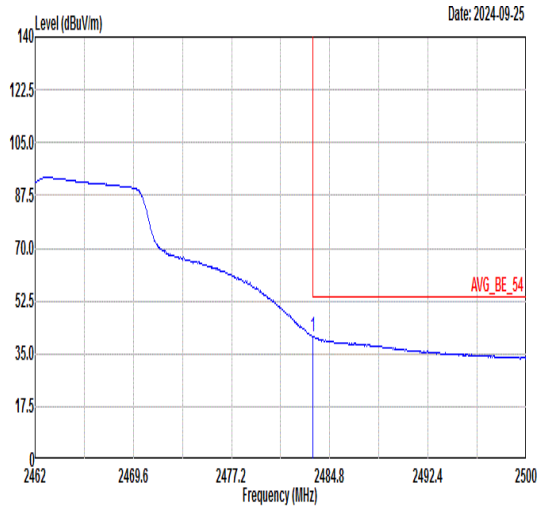
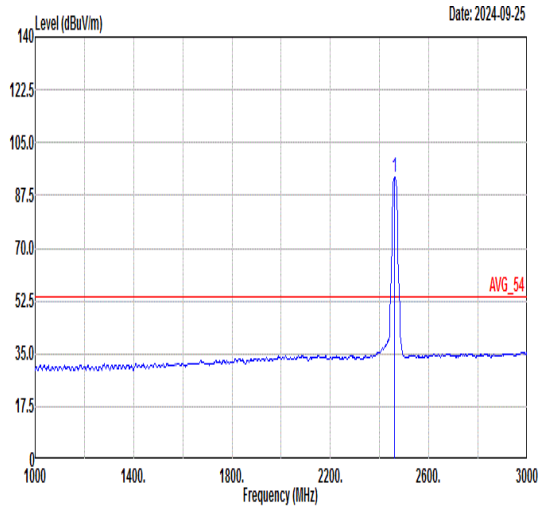
Mode	13	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	0	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2488.60 46.73 74.00 -27.27 44.15 30.70 5.47 33.59 119 131 PEAK	 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 2462.00 103.10 ------ ------ 100.53 30.71 5.44 33.58 119 131 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 2483.51 37.09 54.00 -16.91 34.52 30.70 5.46 33.59 119 131 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 2462.00 100.65 ------ ------ 98.08 30.71 5.44 33.58 119 131 AVERAGE

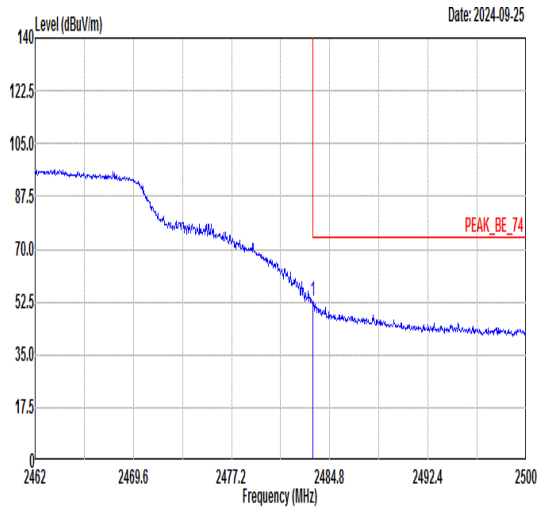
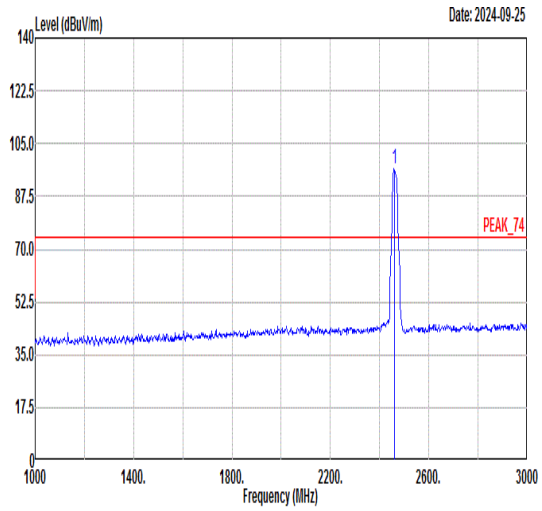
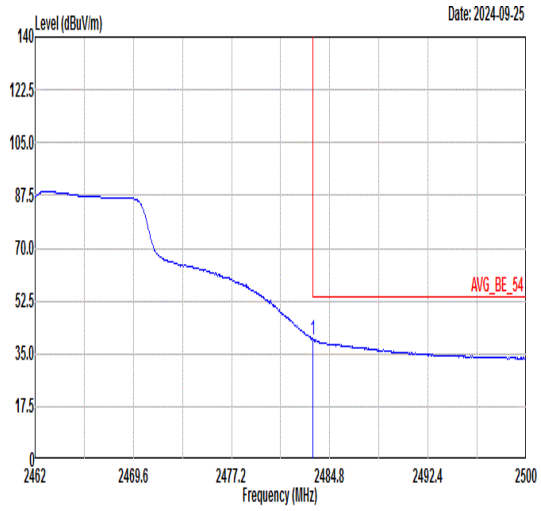
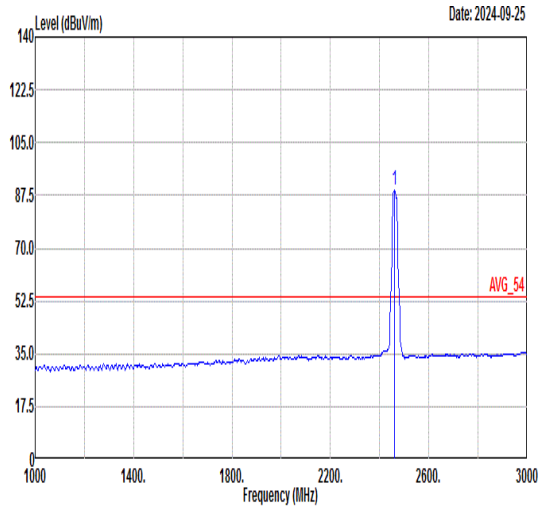
Mode	13	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	0	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.85 45.53 74.00 -28.47 42.96 30.70 5.46 33.59 200 201 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 98.16 ------ ------ 95.59 30.71 5.44 33.58 200 201 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.51 36.21 54.00 -17.79 33.64 30.70 5.46 33.59 200 201 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 95.80 ------ ------ 93.24 30.71 5.43 33.58 200 201 AVERAGE

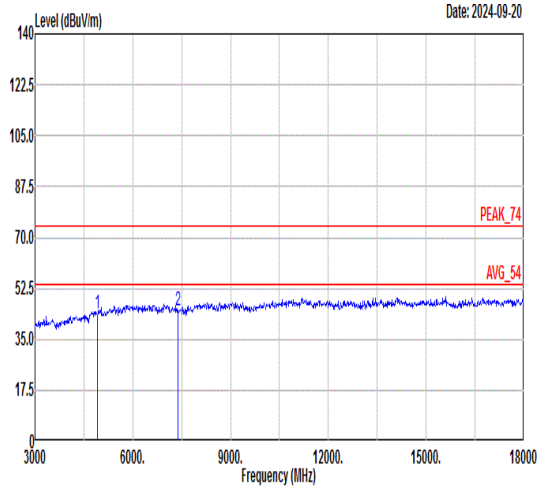
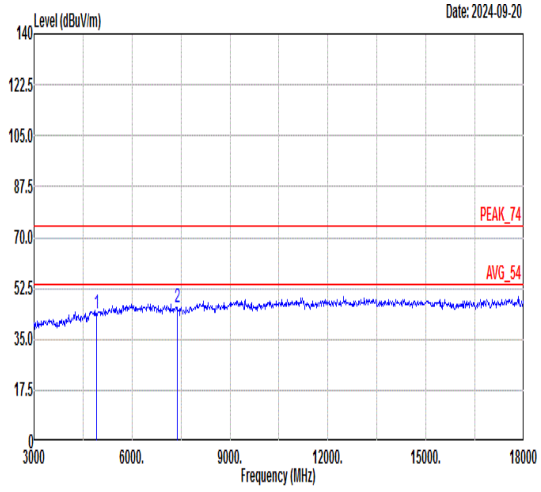
Mode	13	
	Harmonic	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	0	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 44.58 74.00 -29.42 64.88 36.02 8.57 64.89 --- --- Peak 2 7386.00 45.47 74.00 -28.53 63.30 36.85 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 4924.00 45.02 74.00 -28.98 65.32 36.02 8.57 64.89 --- --- Peak 2 7386.00 44.96 74.00 -29.04 62.79 36.85 10.18 64.86 --- --- Peak

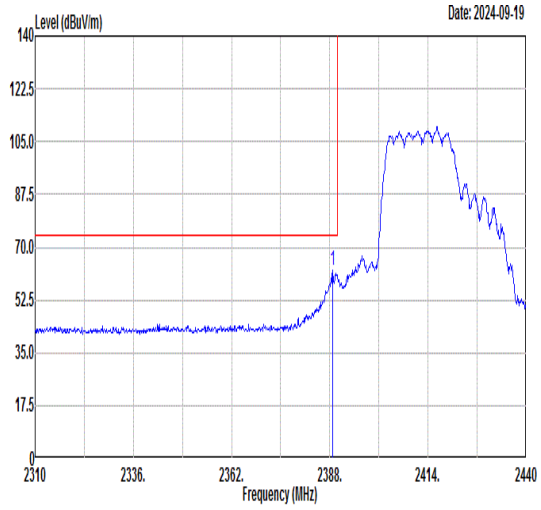
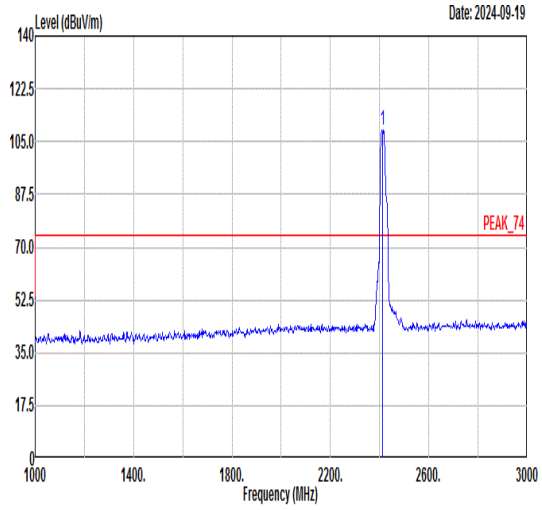
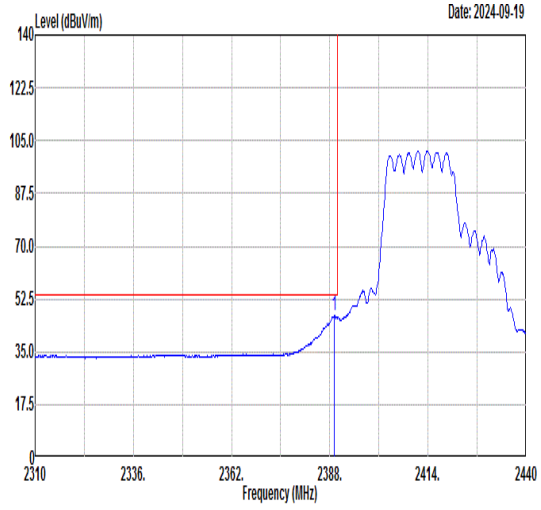
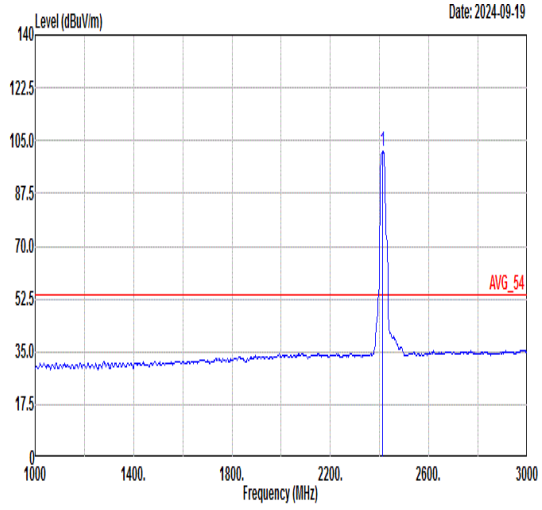
Mode	14	
	Harmonic	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	0	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 46.17 74.00 -27.83 66.36 35.78 8.88 64.85 --- --- Peak	 Freq 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 45.31 74.00 -28.69 65.50 35.78 8.88 64.85 --- --- Peak

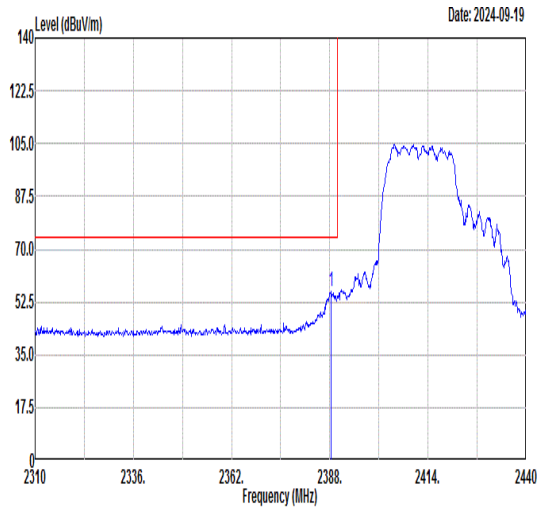
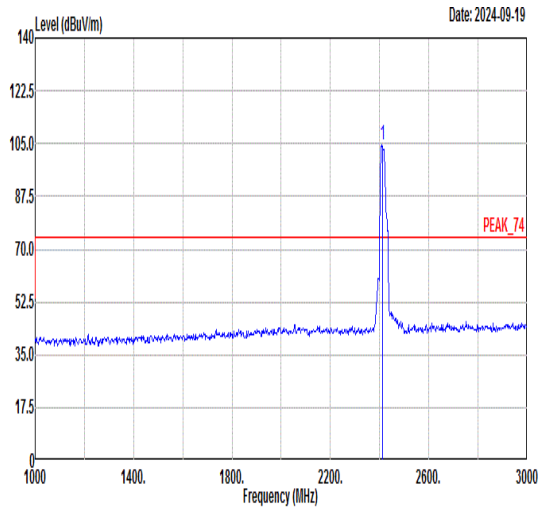
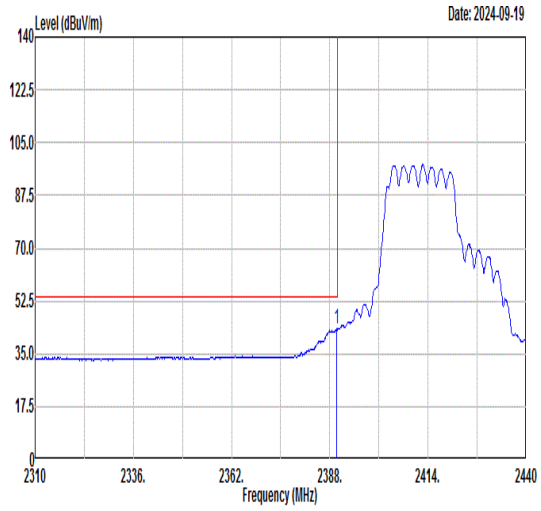
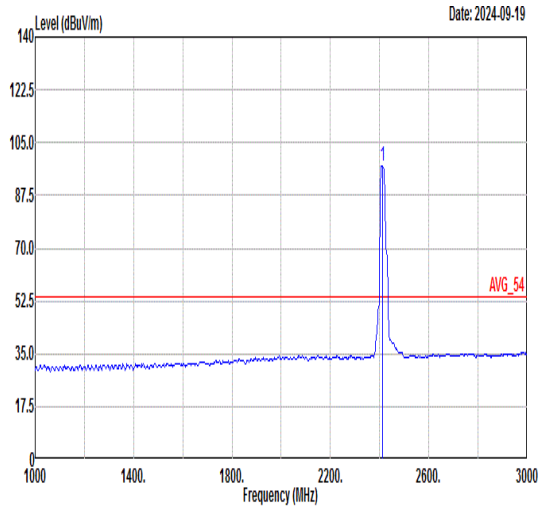
Mode	15	
	Harmonic	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	0	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 44.06 74.00 -29.94 64.31 35.90 8.72 64.87 --- --- Peak 2 7311.00 45.66 74.00 -28.34 63.46 36.88 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 4874.00 45.49 74.00 -28.51 65.74 35.90 8.72 64.87 --- --- Peak 2 7311.00 44.95 74.00 -29.05 62.75 36.88 10.18 64.86 --- --- Peak

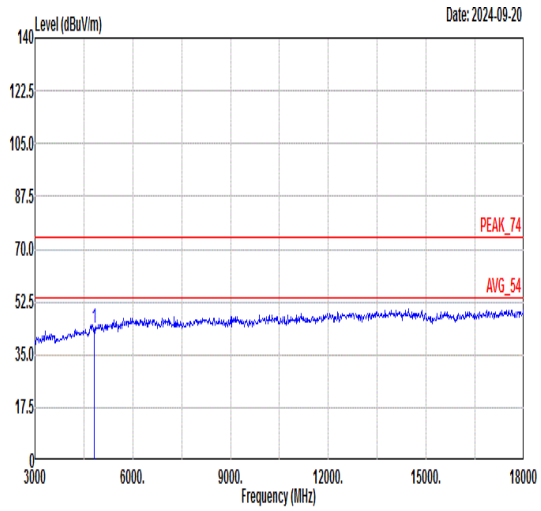
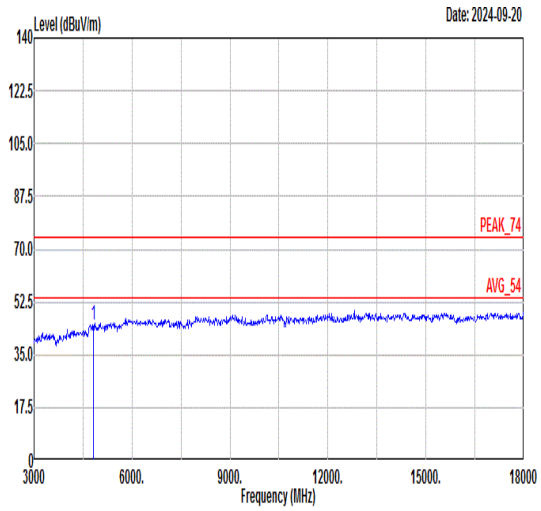
Mode	16	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	0	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.55 54.00 74.00 -20.00 51.43 30.70 5.46 33.59 100 135 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 101.02 ------ ------ 98.46 30.71 5.43 33.58 100 135 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.51 40.57 54.00 -13.43 38.00 30.70 5.46 33.59 100 135 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 93.49 ------ ------ 90.92 30.71 5.44 33.58 100 135 AVERAGE

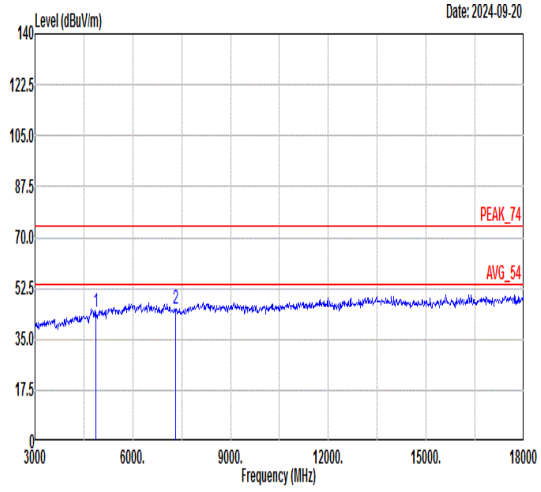
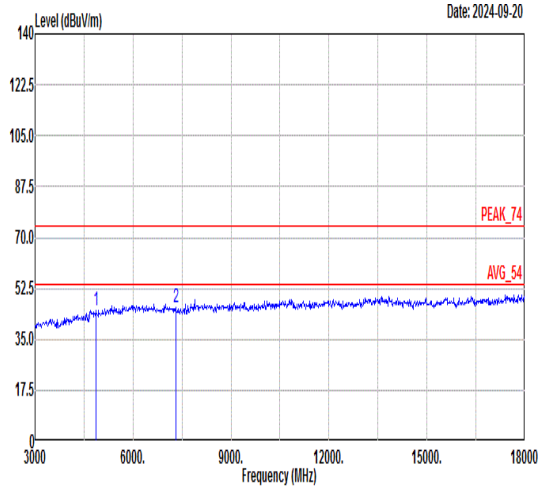
Mode	16	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	0	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.51 52.62 74.00 -21.38 50.05 30.70 5.46 33.59 200 199 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 96.52 ------ ------ 93.95 30.71 5.43 33.57 200 199 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.51 39.66 54.00 -14.34 37.09 30.70 5.46 33.59 200 199 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 89.10 ------ ------ 86.54 30.71 5.43 33.58 200 199 AVERAGE

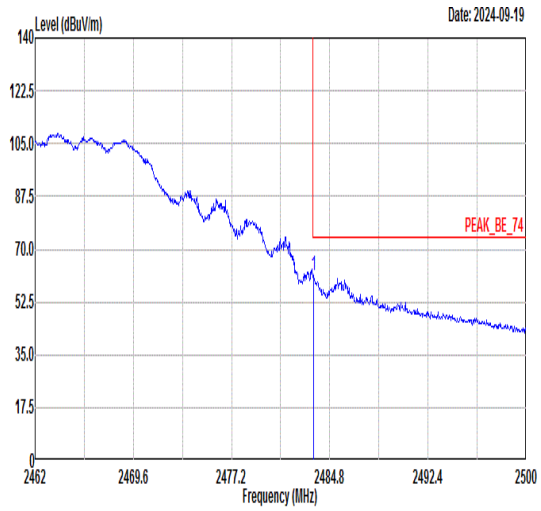
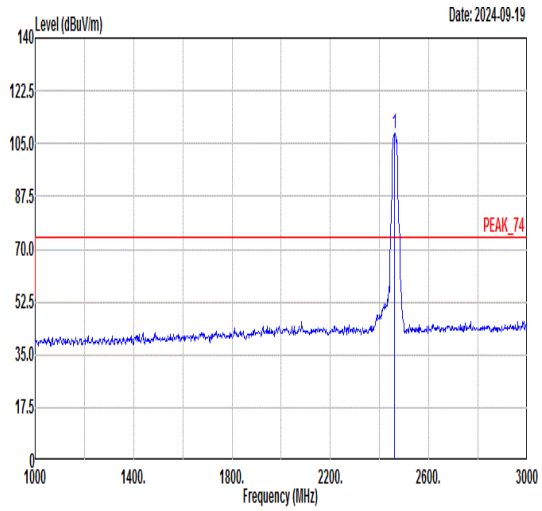
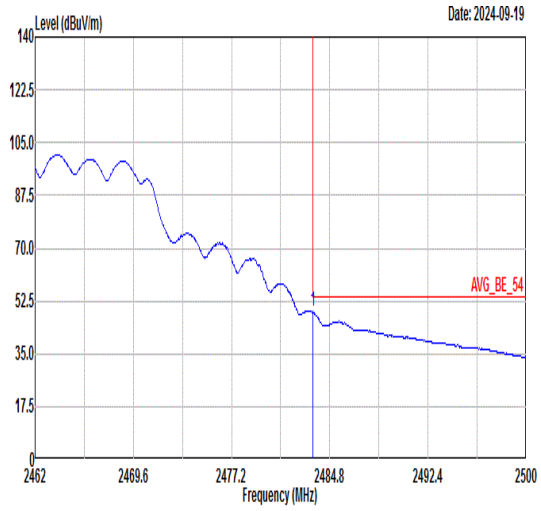
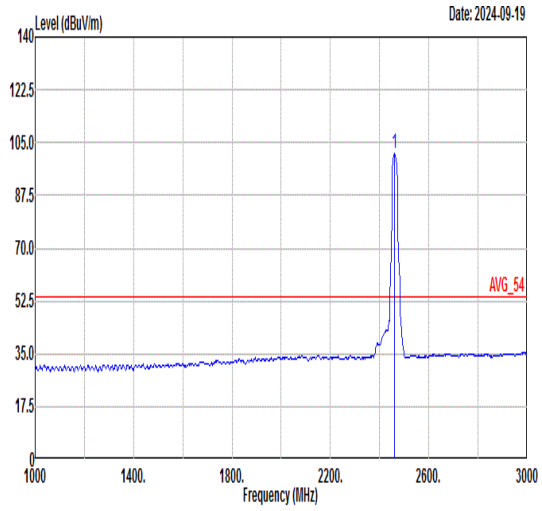
Mode	16	
	Harmonic	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	0	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 43.69 74.00 -30.31 63.99 36.02 8.57 64.89 --- --- Peak 2 7386.00 44.76 74.00 -29.24 62.59 36.85 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 4924.00 43.74 74.00 -30.26 64.04 36.02 8.57 64.89 --- --- Peak 2 7386.00 45.97 74.00 -28.03 63.80 36.85 10.18 64.86 --- --- Peak

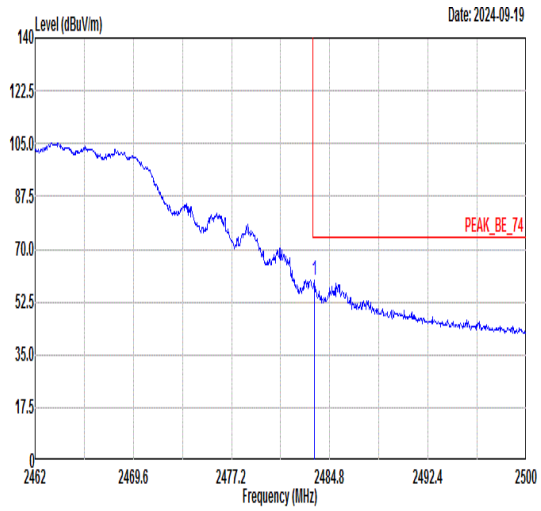
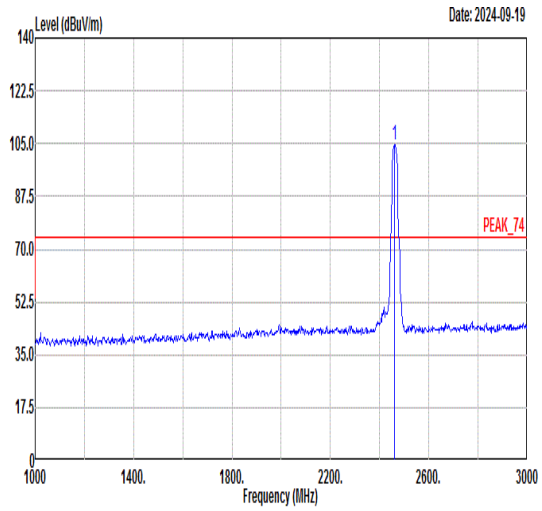
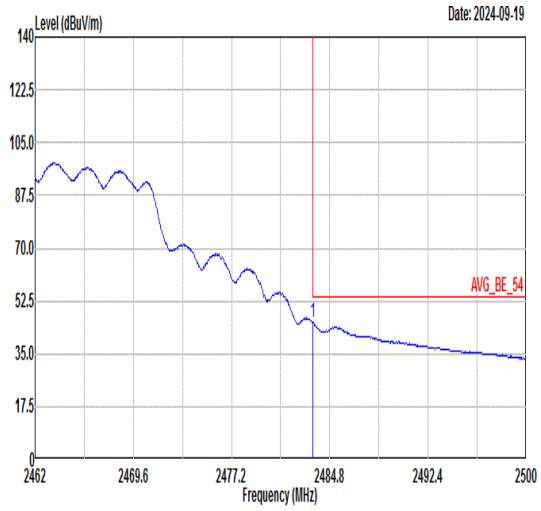
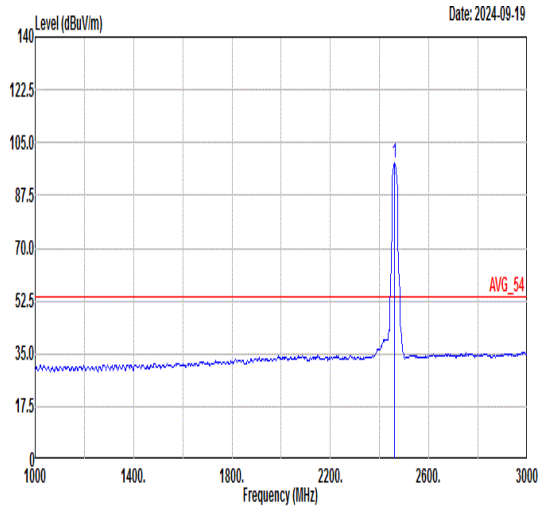
Mode	17	
	Band Edge	
	2400-2483.5_802.11ac VHT20_CH01_2412MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2388.78 62.11 74.00 -11.89 59.56 30.72 5.36 33.53 265 127 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 2412.00 108.83 ------ ------ 106.28 30.72 5.38 33.55 265 127 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 2389.17 47.21 54.00 -6.79 44.66 30.72 5.36 33.53 265 127 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 2412.00 101.59 ------ ------ 99.04 30.72 5.38 33.55 265 127 AVERAGE

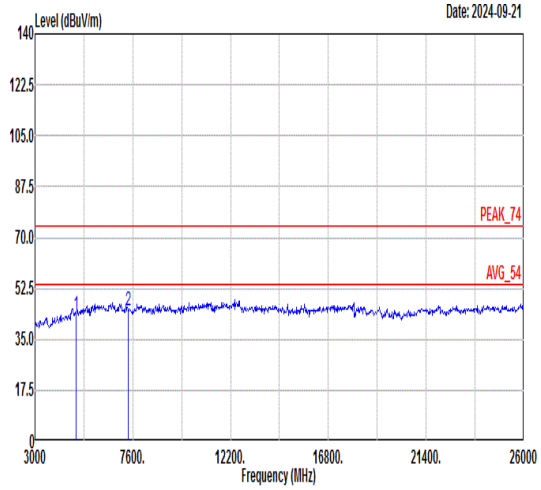
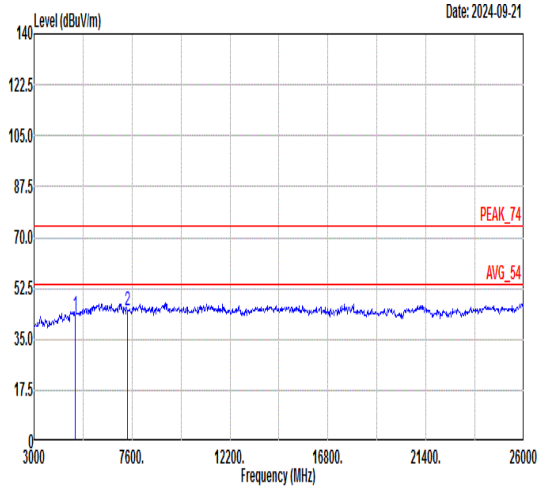
Mode	17	
	Band Edge	
	2400-2483.5_802.11ac VHT20_CH01_2412MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2388.26 56.17 74.00 -17.83 53.62 30.72 5.36 33.53 301 194 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 2412.00 104.69 ------ ------ 102.14 30.72 5.38 33.55 301 194 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 2389.82 43.08 54.00 -10.92 40.53 30.72 5.36 33.53 301 194 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 2412.00 97.36 ------ ------ 94.81 30.72 5.38 33.55 301 194 AVERAGE

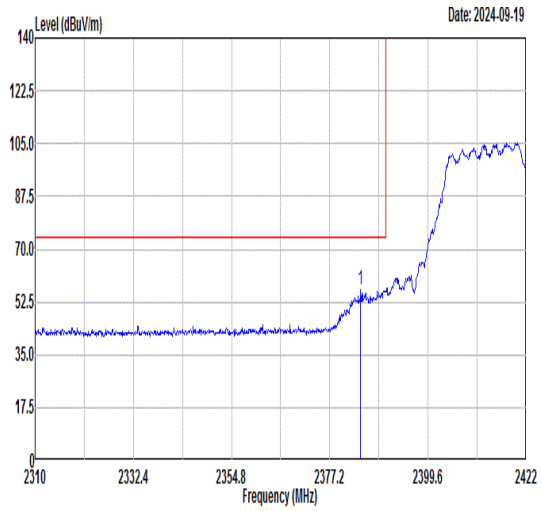
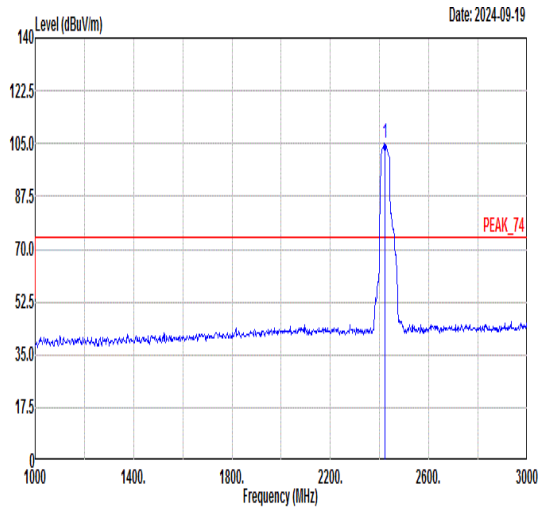
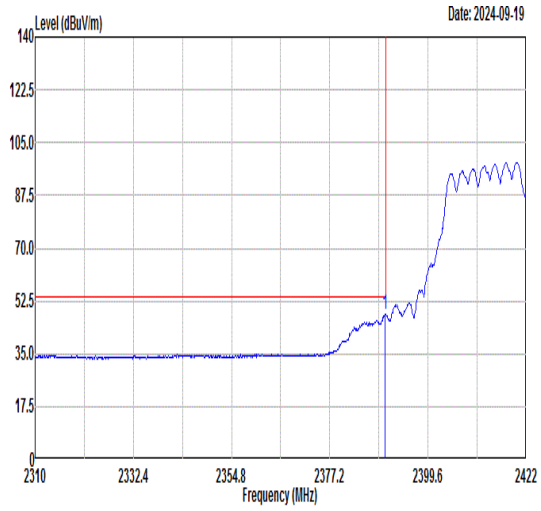
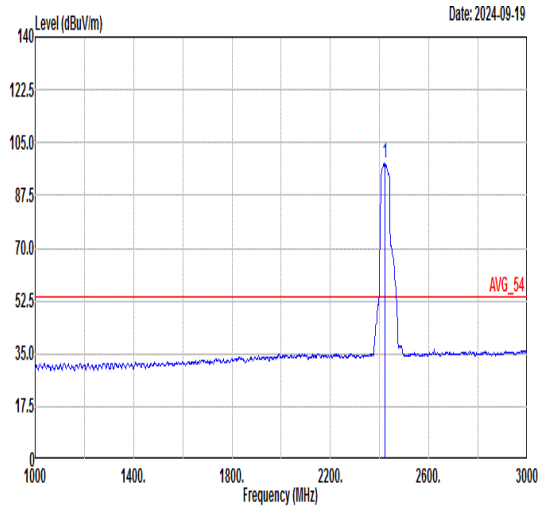
Mode	17	
	Harmonic	
	2400-2483.5_802.11ac VHT20_CH01_2412MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 43.85 74.00 -30.15 64.04 35.78 8.88 64.85 --- --- 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 44.72 74.00 -29.28 64.91 35.78 8.88 64.85 --- --- Peak

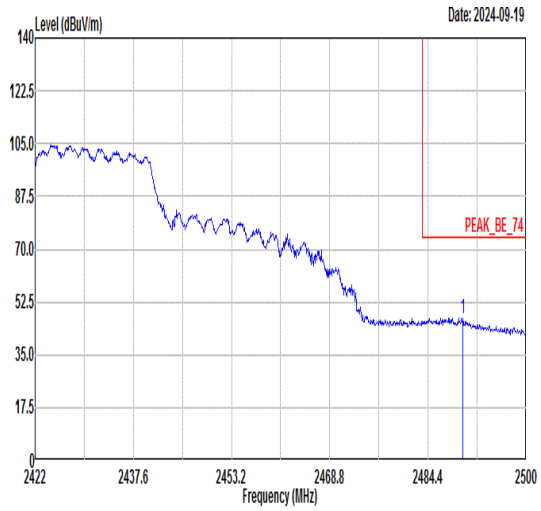
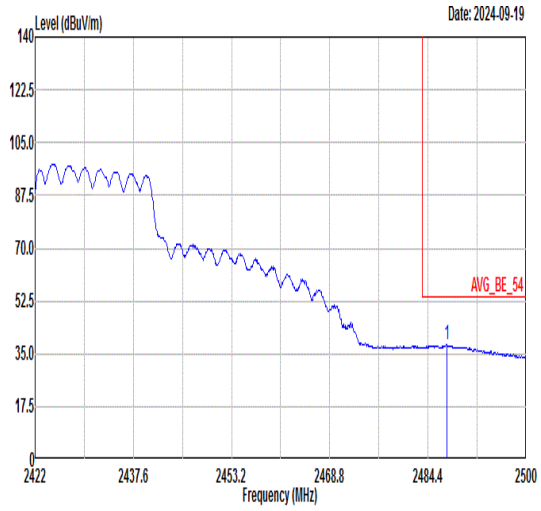
Mode	18	
	Harmonic	
	2400-2483.5_802.11ac VHT20_CH06_2437MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 44.27 74.00 -29.73 64.52 35.90 8.72 64.87 --- --- Peak 2 7311.00 45.51 74.00 -28.49 63.31 36.88 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 4874.00 44.77 74.00 -29.23 65.02 35.90 8.72 64.87 --- --- Peak 2 7311.00 45.92 74.00 -28.08 63.72 36.88 10.18 64.86 --- --- Peak

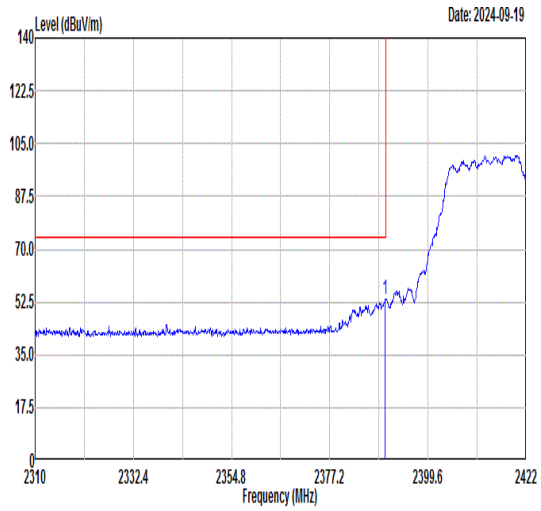
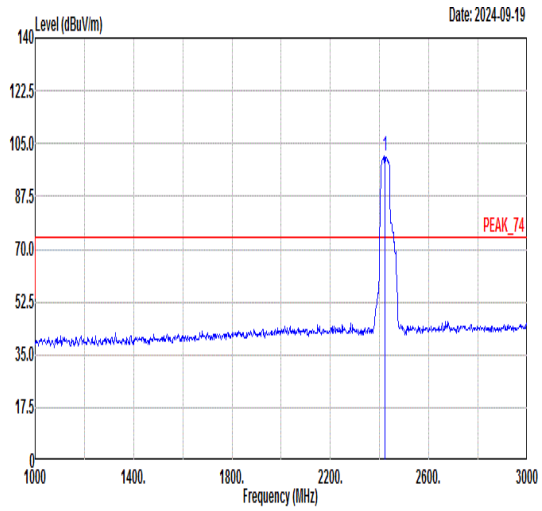
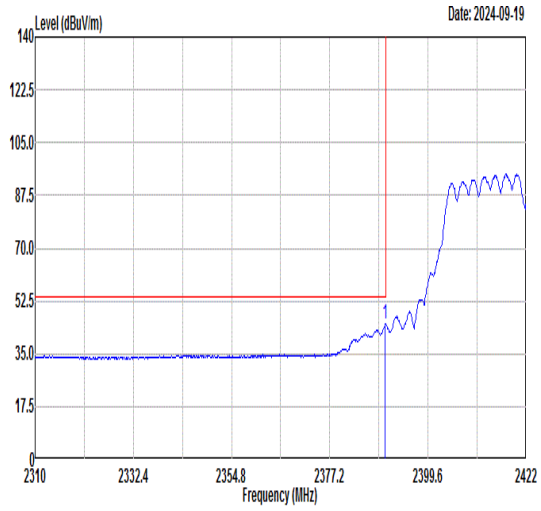
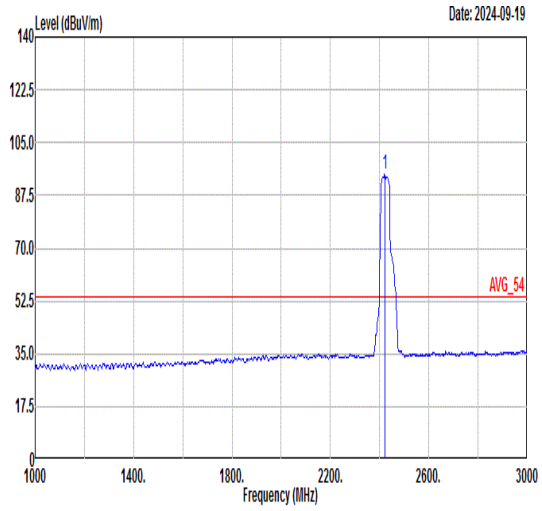
Mode	19	
	Band Edge	
	2400-2483.5_802.11ac VHT20_CH11_2462MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2483.55 61.31 74.00 -12.69 58.74 30.70 5.46 33.59 141 124 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 2462.00 108.29 ------ ------ 105.72 30.71 5.44 33.58 141 124 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 2483.51 48.98 54.00 -5.02 46.41 30.70 5.46 33.59 141 124 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 2462.00 101.59 ------ ------ 99.02 30.71 5.44 33.58 141 124 AVERAGE

Mode	19	
	Band Edge	
	2400-2483.5_802.11ac VHT20_CH11_2462MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.58 59.86 74.00 -14.14 57.29 30.70 5.46 33.59 100 193 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 104.77 ------ ------ 102.20 30.71 5.44 33.58 100 193 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.51 45.35 54.00 -8.65 42.78 30.70 5.46 33.59 100 193 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 98.45 ------ ------ 95.88 30.71 5.44 33.58 100 193 AVERAGE

Mode	19	
	Harmonic	
	2400-2483.5_802.11ac VHT20_CH11_2462MHz	
ANT	CDD 0+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 4924.00 43.36 74.00 -30.64 63.66 36.02 8.57 64.89 --- --- Peak 2 7386.00 44.87 74.00 -29.13 62.70 36.85 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 4924.00 43.34 74.00 -30.66 63.64 36.02 8.57 64.89 --- --- Peak 2 7386.00 44.93 74.00 -29.07 62.76 36.85 10.18 64.86 --- --- Peak

Mode	20	
	Band Edge - L	
	2400-2483.5_802.11ac VHT40_CH03_2422MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2384.26 56.43 74.00 -17.57 53.89 30.72 5.35 33.53 264 127 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2422.00 104.87 ------ ------ 102.31 30.72 5.39 33.55 264 127 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.86 48.03 54.00 -5.97 45.48 30.72 5.36 33.53 264 127 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2422.00 98.04 ------ ------ 95.48 30.72 5.39 33.55 264 127 AVERAGE

Mode	20	
	Band Edge - R	
	2400-2483.5_802.11ac VHT40_CH03_2422MHz	
ANT	CDD 0+1	
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 2489.94 47.04 74.00 -26.96 44.46 30.70 5.47 33.59 264 127 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 2487.36 38.06 54.00 -15.94 35.49 30.70 5.46 33.59 264 127 AVERAGE	Blank

Mode	20	
	Band Edge - L	
	2400-2483.5_802.11ac VHT40_CH03_2422MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.86 53.35 74.00 -20.65 50.80 30.72 5.36 33.53 217 192 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2422.00 100.68 ------ ------ 98.12 30.72 5.39 33.55 217 192 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.86 44.68 54.00 -9.32 42.13 30.72 5.36 33.53 217 192 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2422.00 94.43 ------ ------ 91.87 30.72 5.39 33.55 217 192 AVERAGE

Mode	20	
	Band Edge - R	
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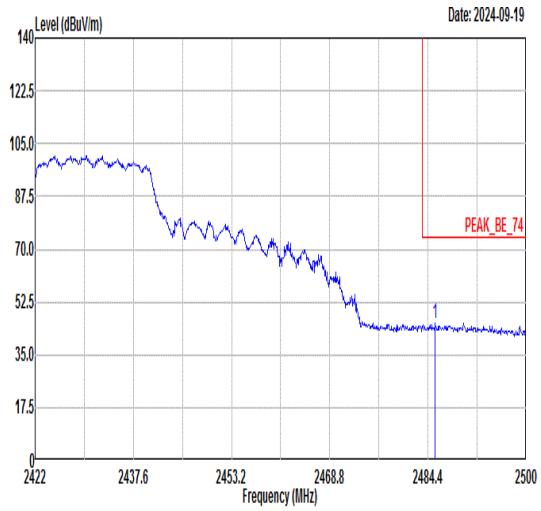
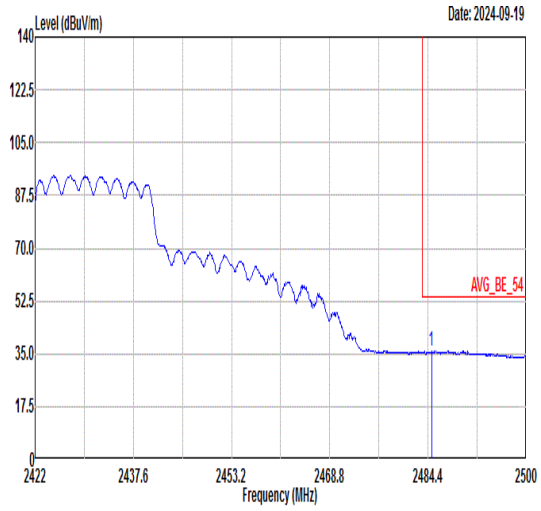
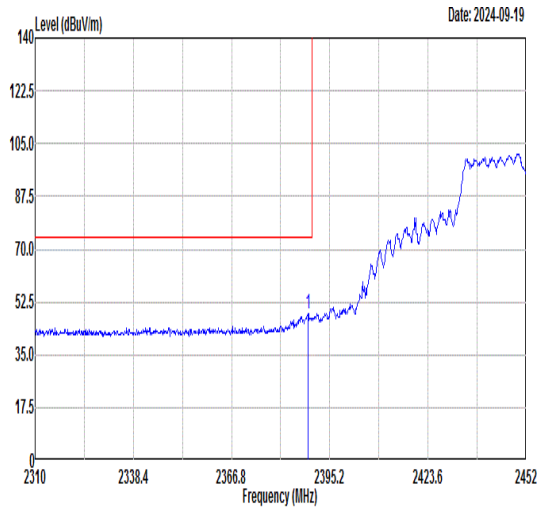
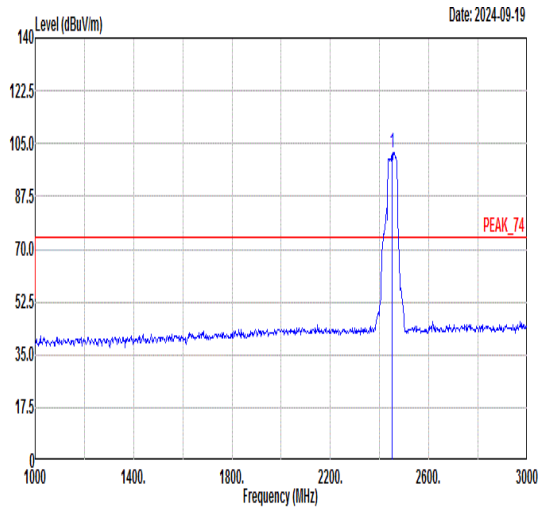
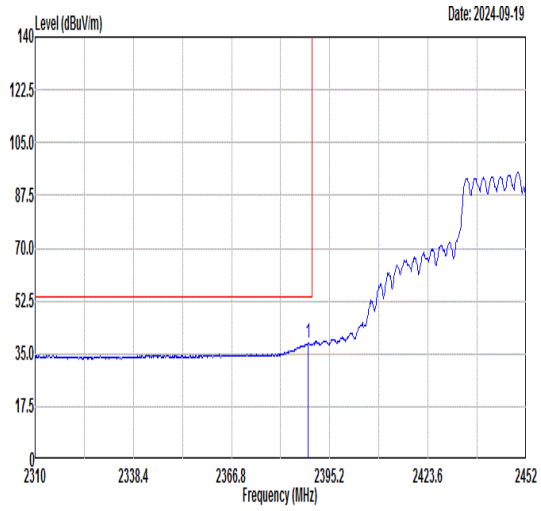
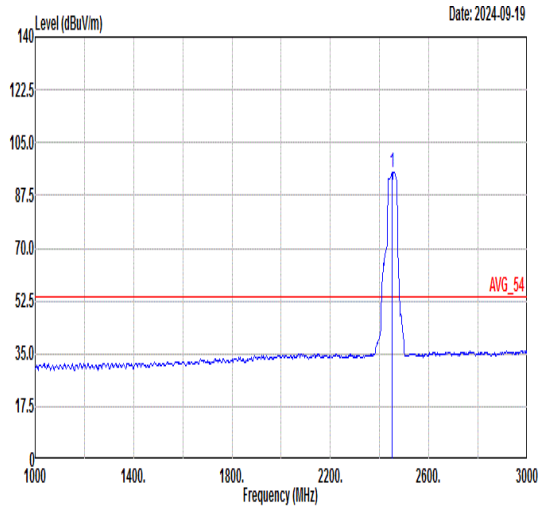
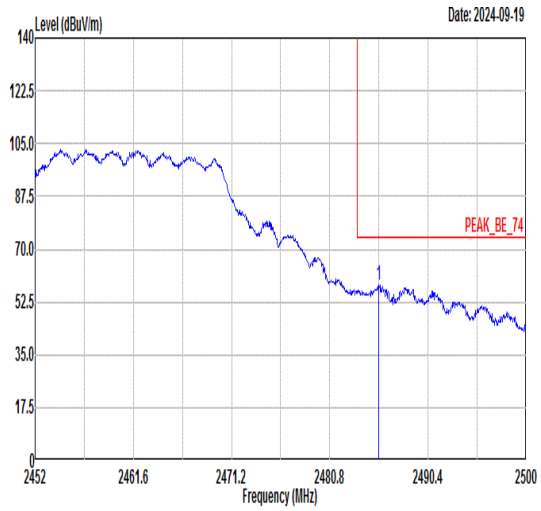
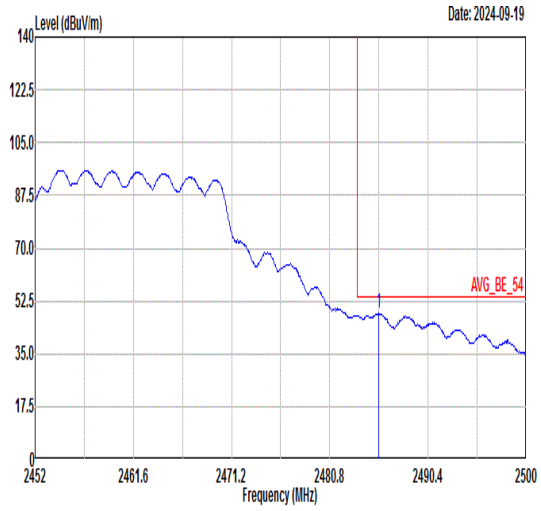
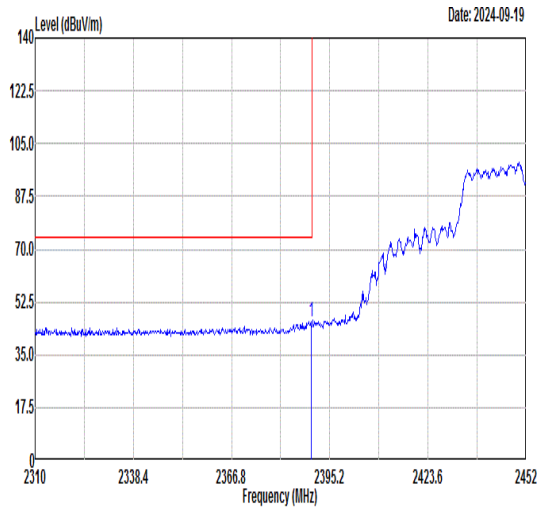
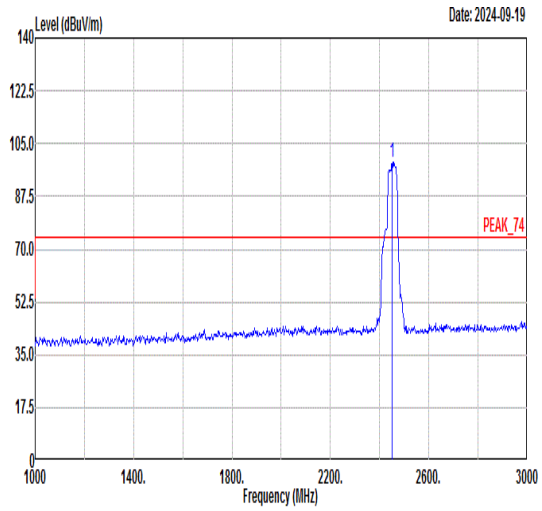
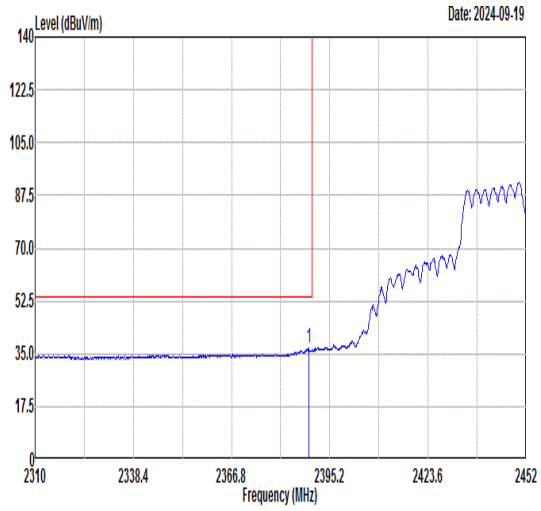
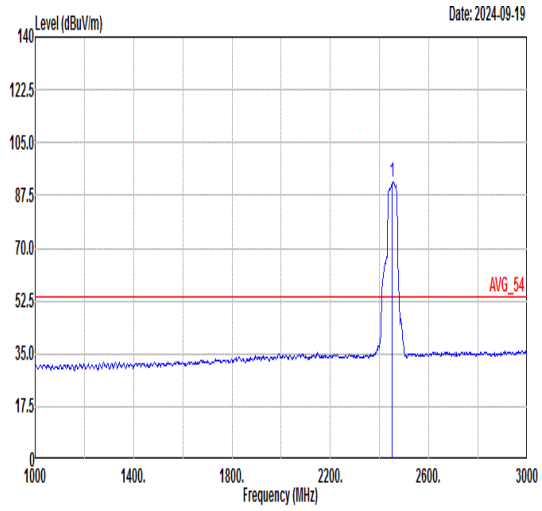
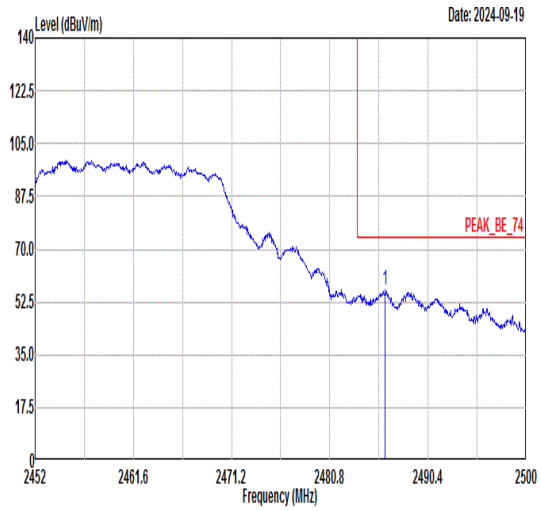
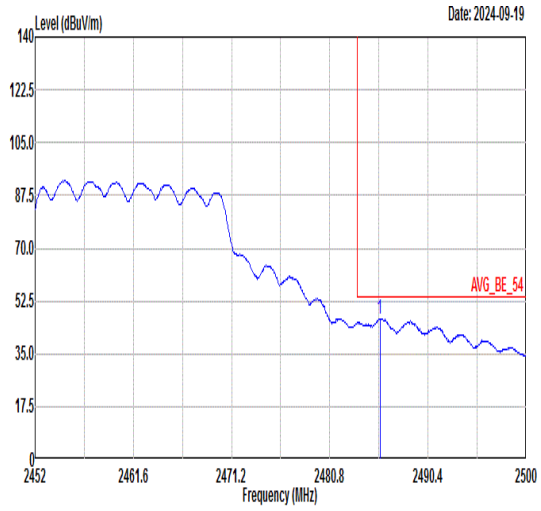
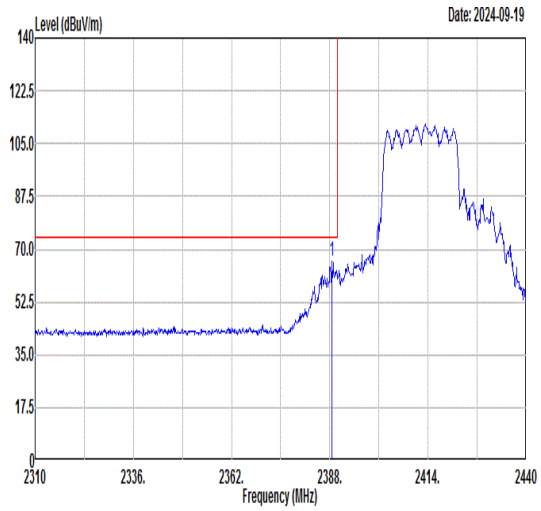
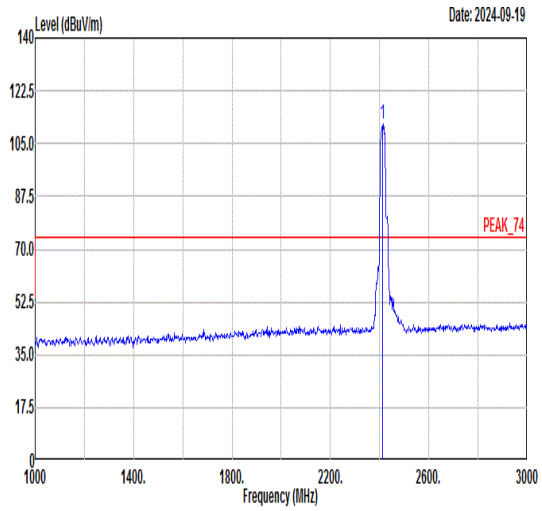
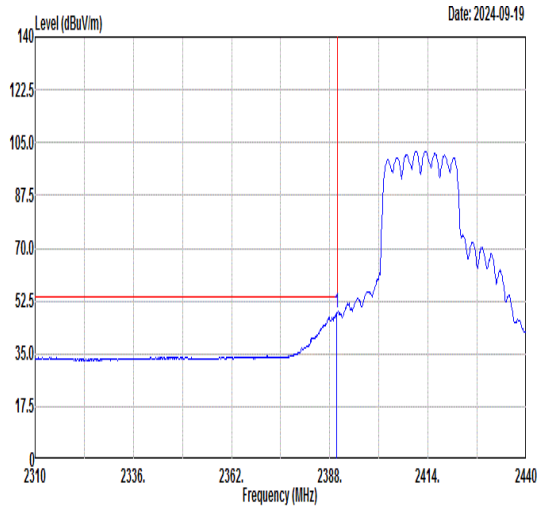
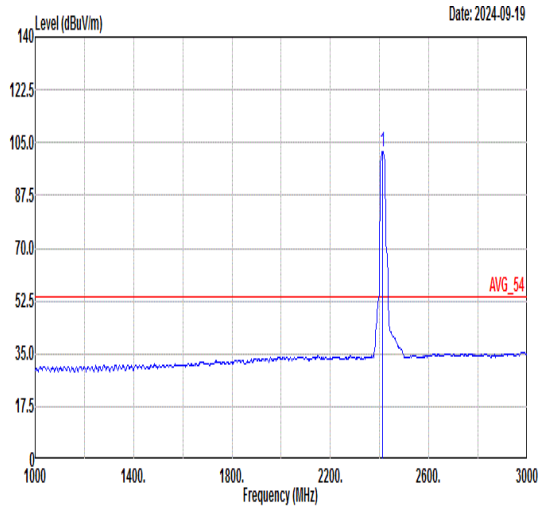
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2485.57 45.52 74.00 -28.48 42.95 30.70 5.46 33.59 217 192 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2484.95 35.94 54.00 -18.06 33.37 30.70 5.46 33.59 217 192 AVERAGE	Blank

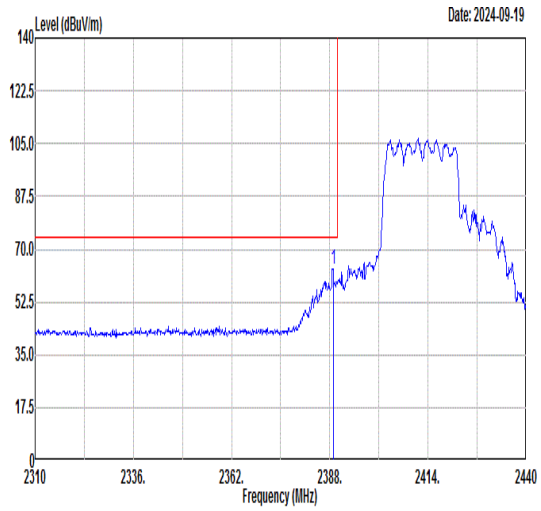
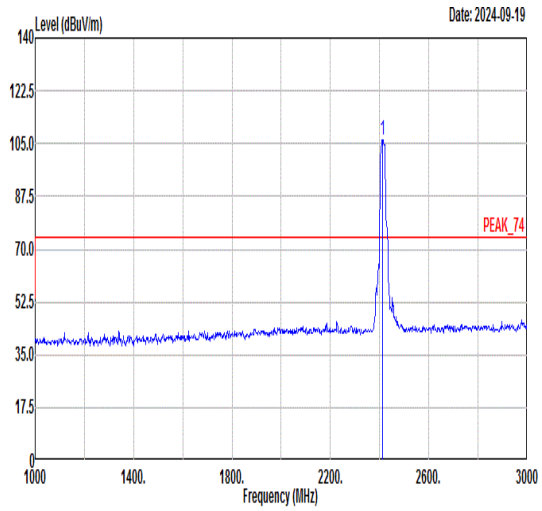
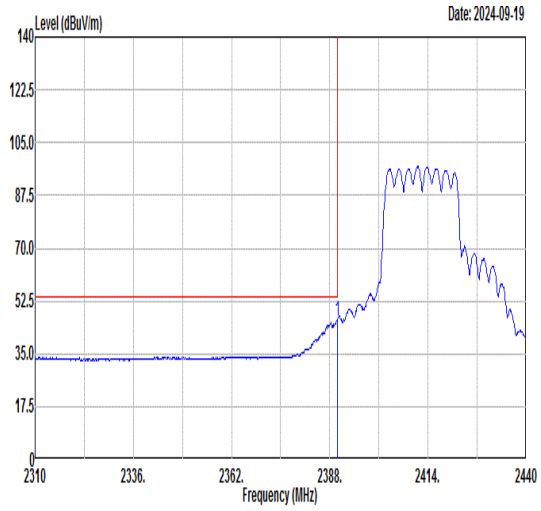
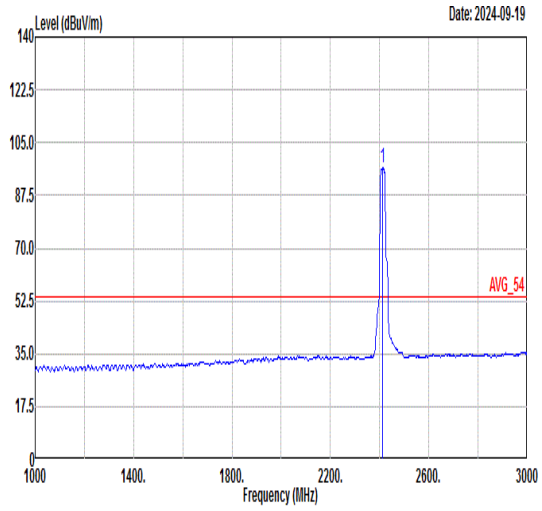
Mode	21	
	Band Edge - L	
	2400-2483.5_802.11ac VHT40_CH09_2452MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2388.81 48.69 74.00 -25.31 46.14 30.72 5.36 33.53 117 124 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2452.00 102.03 ------ ------ 99.46 30.71 5.43 33.57 117 124 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2388.81 38.42 54.00 -15.58 35.87 30.72 5.36 33.53 117 124 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2452.00 95.32 ------ ------ 92.75 30.71 5.43 33.57 117 124 AVERAGE

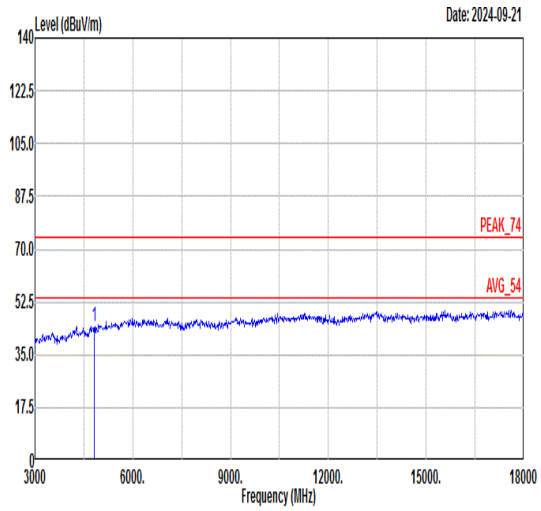
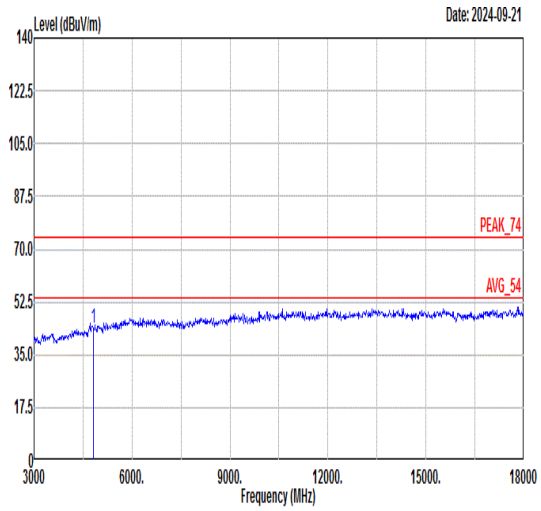
Mode	21	
	Band Edge - R	
	2400-2483.5_802.11ac VHT40_CH09_2452MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2485.60 58.06 74.00 -15.94 55.49 30.70 5.46 33.59 117 124 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 2485.60 48.37 54.00 -5.63 45.80 30.70 5.46 33.59 117 124 AVERAGE	Blank

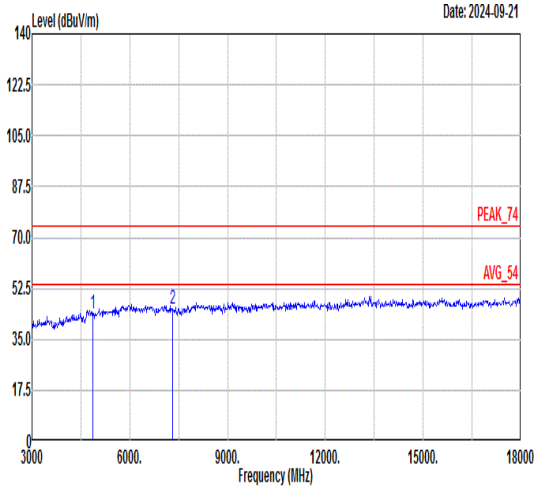
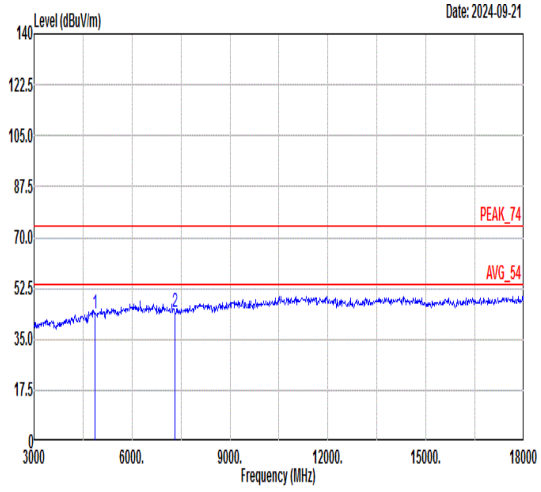
Mode	21	
	Band Edge - L	
	2400-2483.5_802.11ac VHT40_CH09_2452MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.80 45.81 74.00 -28.19 43.26 30.72 5.36 33.53 100 188 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2452.00 98.82 ------ ------ 96.25 30.71 5.43 33.57 100 188 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.09 36.73 54.00 -17.27 34.18 30.72 5.36 33.53 100 188 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2452.00 92.11 ------ ------ 89.54 30.71 5.43 33.57 100 188 AVERAGE

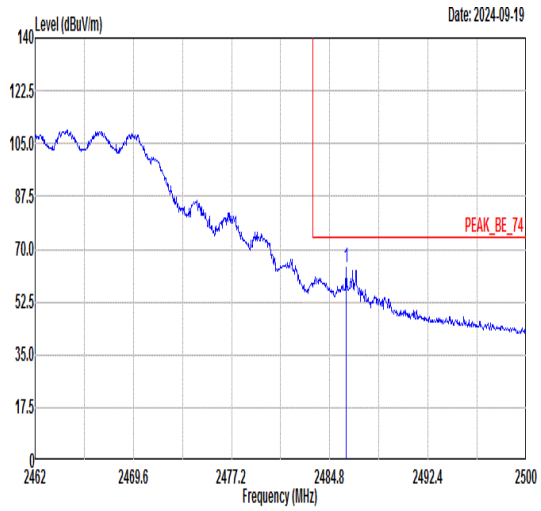
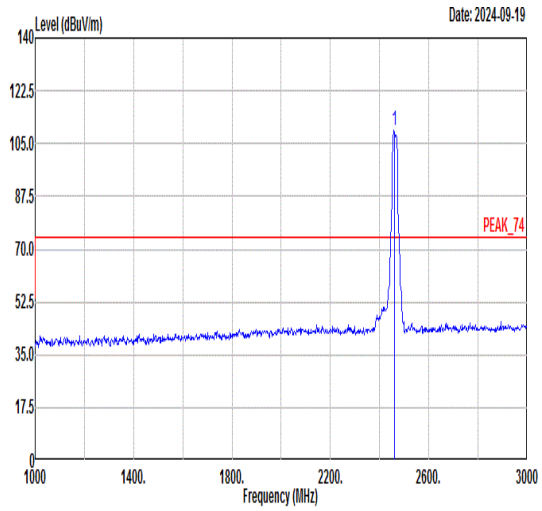
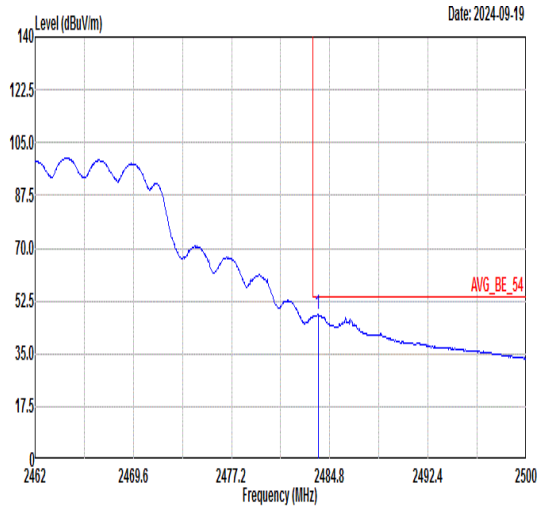
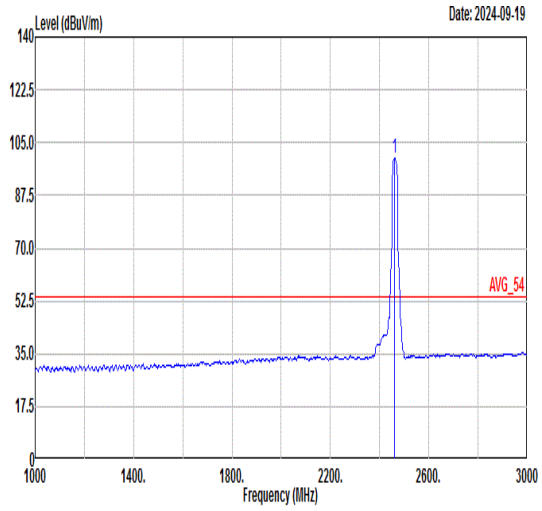
Mode	21	
	Band Edge - R	
	2400-2483.5_802.11ac VHT40_CH09_2452MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2486.22 56.48 74.00 -17.52 53.91 30.70 5.46 33.59 100 188 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 2485.70 46.63 54.00 -7.37 44.06 30.70 5.46 33.59 100 188 AVERAGE	Blank

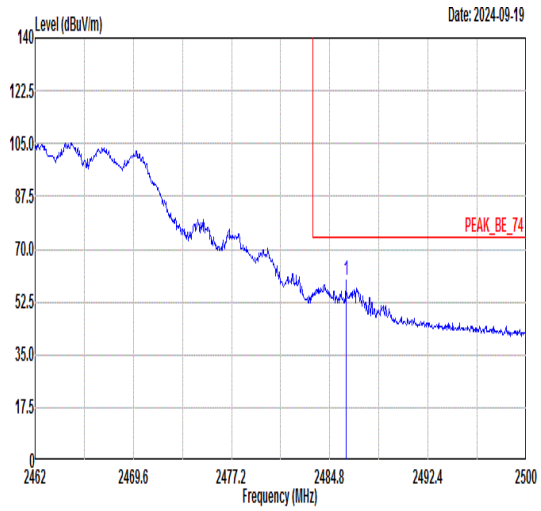
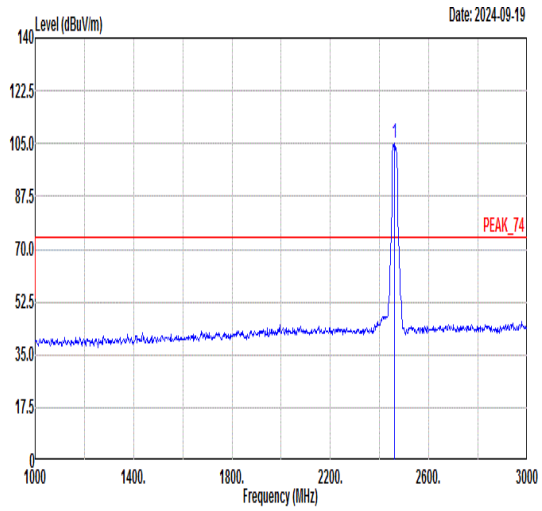
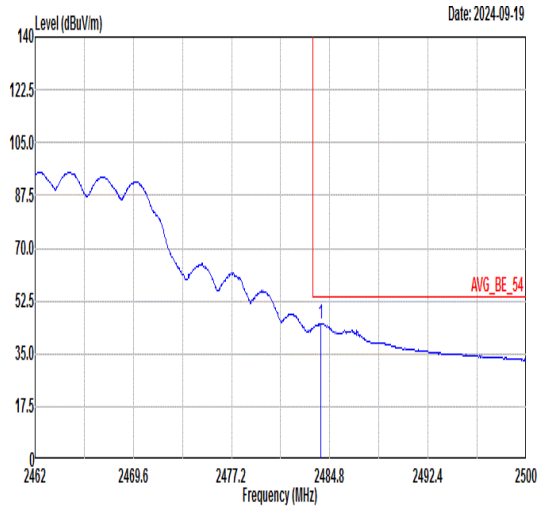
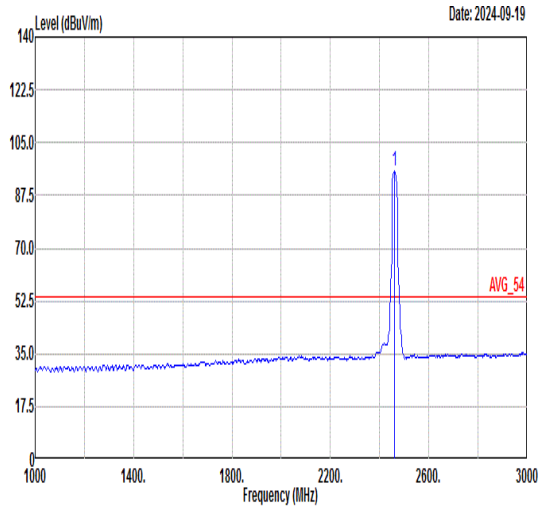
Mode	22	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_2412MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2388.52 66.27 74.00 -7.73 63.72 30.72 5.36 33.53 100 118 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 111.38 ------ ------ 108.83 30.72 5.38 33.55 100 118 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.82 48.57 54.00 -5.43 46.02 30.72 5.36 33.53 100 118 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 102.18 ------ ------ 99.63 30.72 5.38 33.55 100 118 AVERAGE

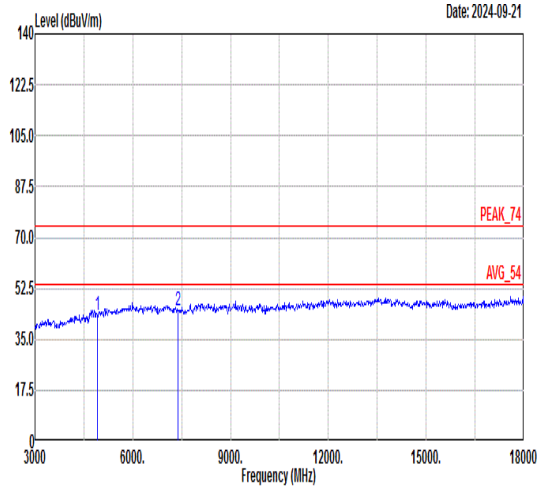
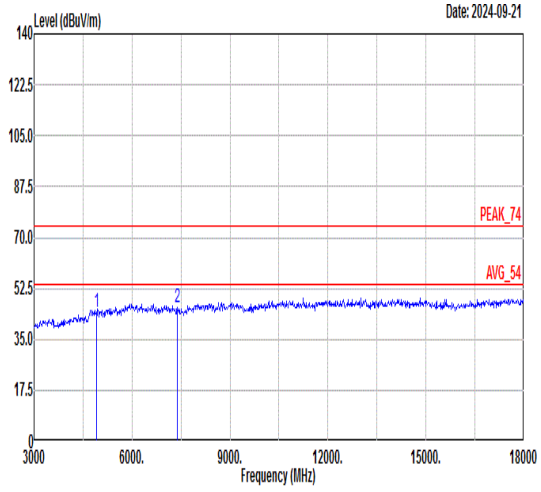
Mode	22	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_2412MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2388.91 63.66 74.00 -10.34 61.11 30.72 5.36 33.53 300 196 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 2412.00 106.31 ------ ------ 103.76 30.72 5.38 33.55 300 196 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 2389.95 46.15 54.00 -7.85 43.60 30.72 5.36 33.53 300 196 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 2412.00 96.89 ------ ------ 94.34 30.72 5.38 33.55 300 196 AVERAGE

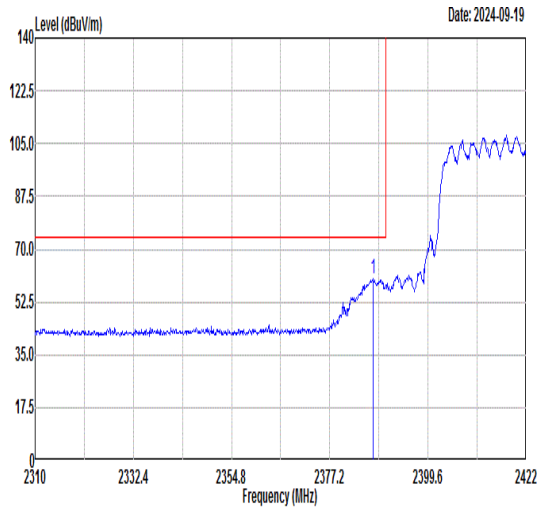
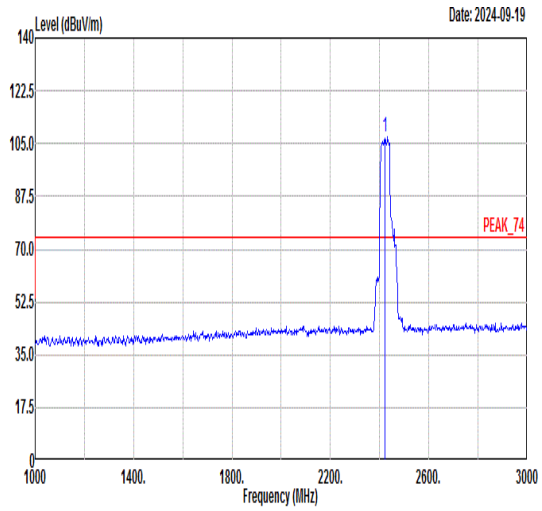
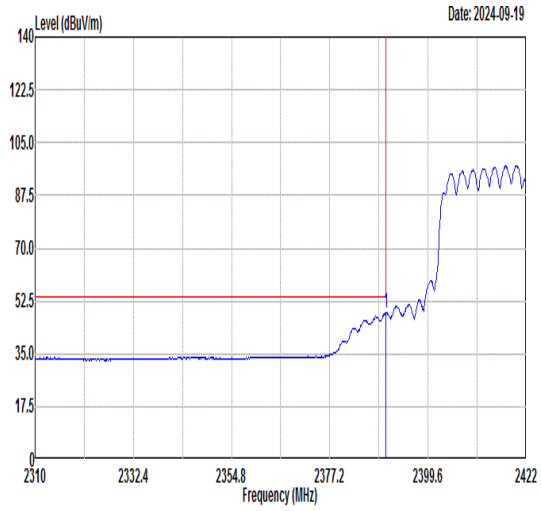
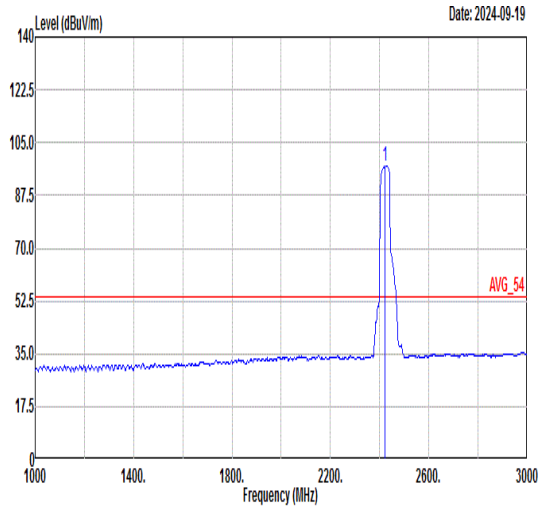
Mode	22	
	Harmonic	
	2400-2483.5_802.11ax HE20_CH01_2412MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 44.44 74.00 -29.56 64.63 35.78 8.88 64.85 --- --- 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 43.93 74.00 -30.07 64.12 35.78 8.88 64.85 --- --- Peak

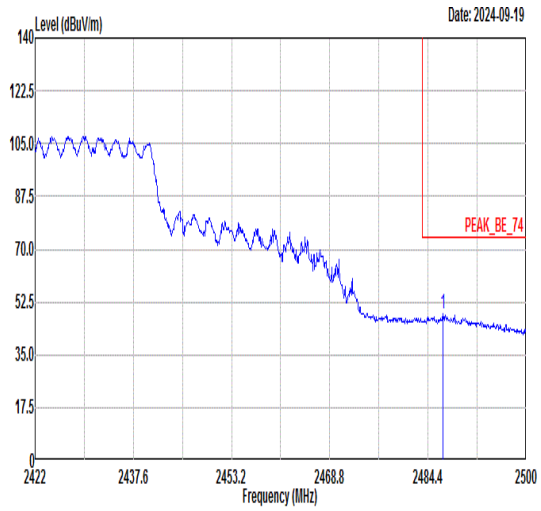
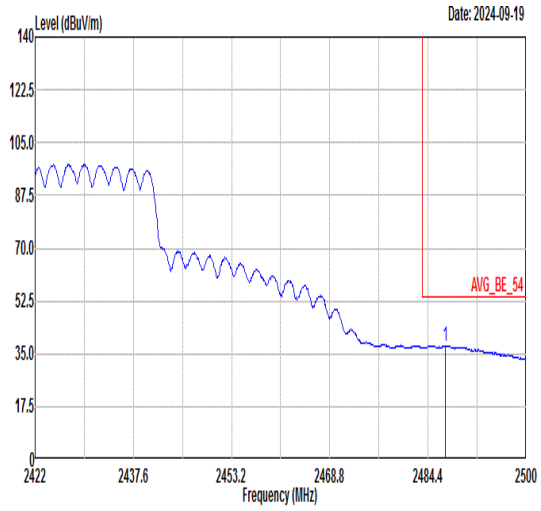
Mode	23	
	Harmonic	
	2400-2483.5_802.11ax HE20_CH06_2437MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 43.65 74.00 -30.35 63.90 35.90 8.72 64.87 --- --- Peak 2 7311.00 45.39 74.00 -28.61 63.19 36.88 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 4874.00 43.99 74.00 -30.01 64.24 35.90 8.72 64.87 --- --- Peak 2 7311.00 44.46 74.00 -29.54 62.26 36.88 10.18 64.86 --- --- Peak

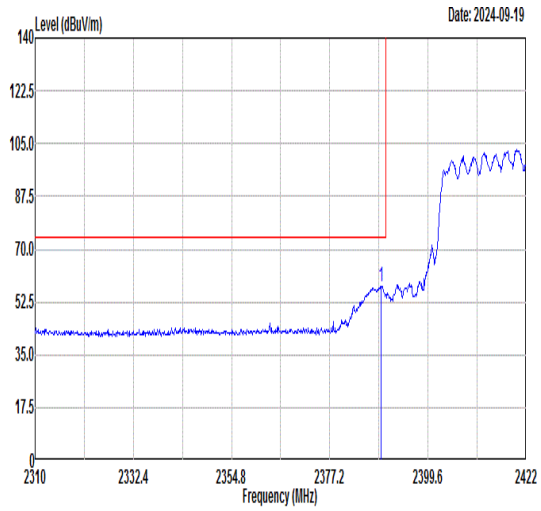
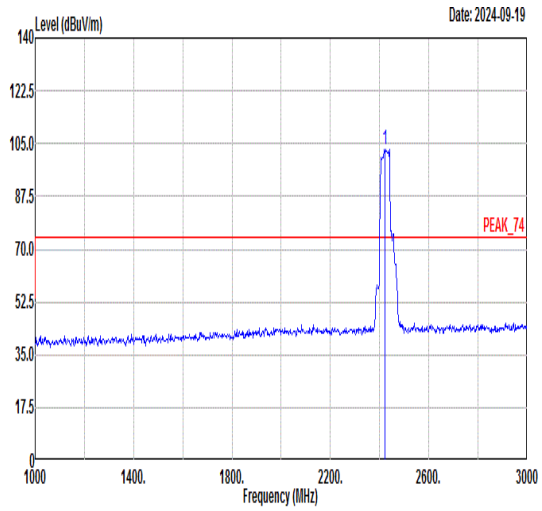
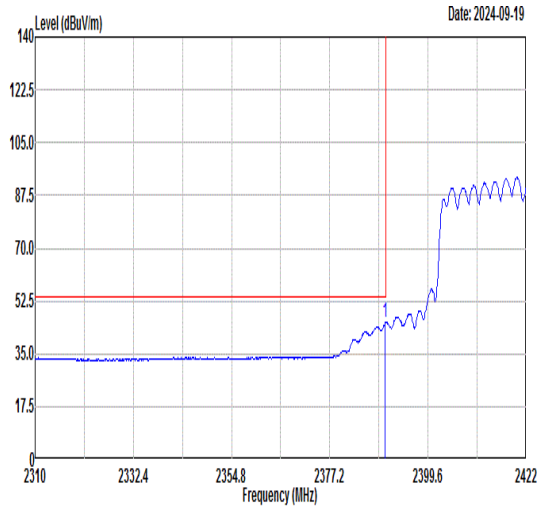
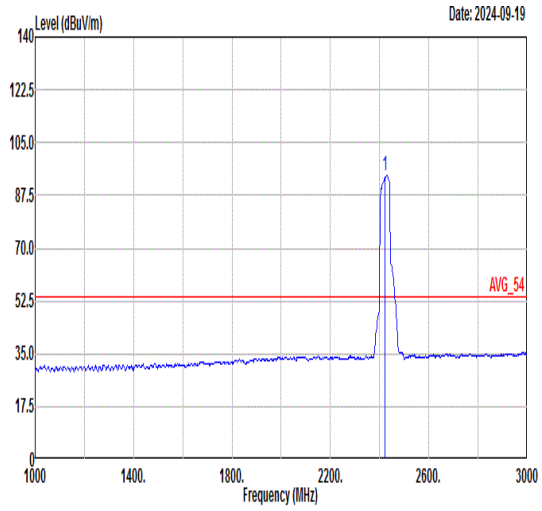
Mode	24	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_2462MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2486.05 63.92 74.00 -10.08 61.35 30.70 5.46 33.59 100 129 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 109.44 ------ ------ 106.87 30.71 5.43 33.57 100 129 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.89 48.18 54.00 -5.82 45.61 30.70 5.46 33.59 100 129 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 99.97 ------ ------ 97.41 30.71 5.43 33.58 100 129 AVERAGE

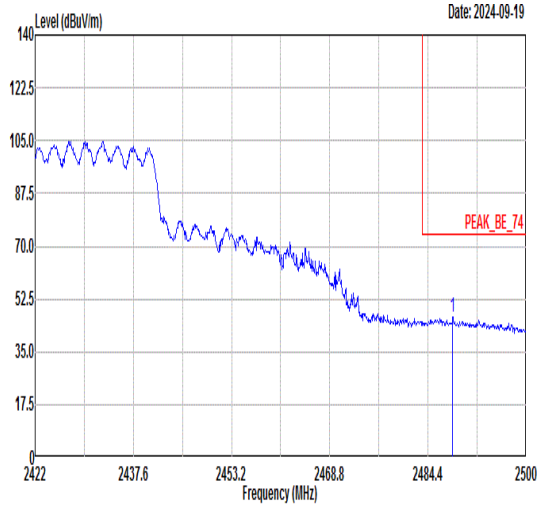
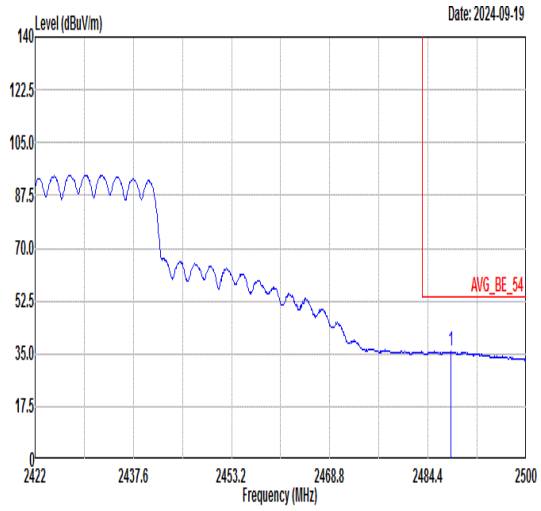
Mode	24	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_2462MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2486.05 59.69 74.00 -14.31 57.12 30.70 5.46 33.59 100 206 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 105.14 ------ ------ 102.57 30.71 5.44 33.58 100 206 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2484.12 45.03 54.00 -8.97 42.46 30.70 5.46 33.59 100 206 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 95.73 ------ ------ 93.17 30.71 5.43 33.58 100 206 AVERAGE

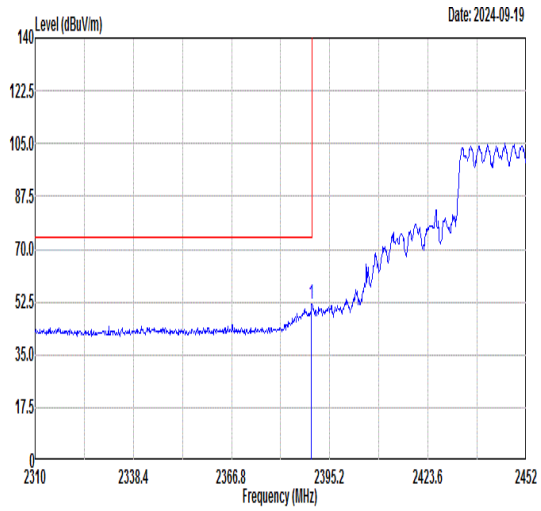
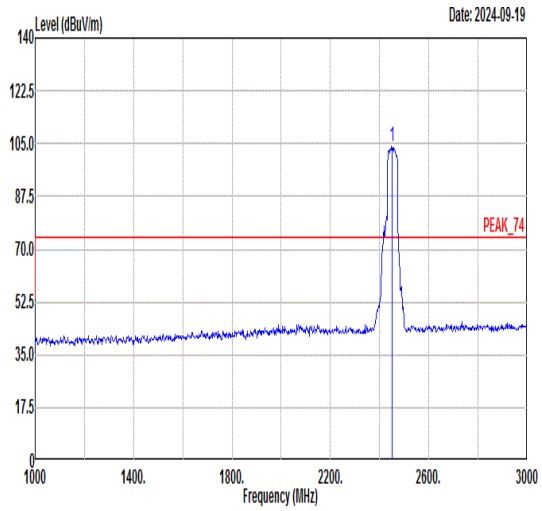
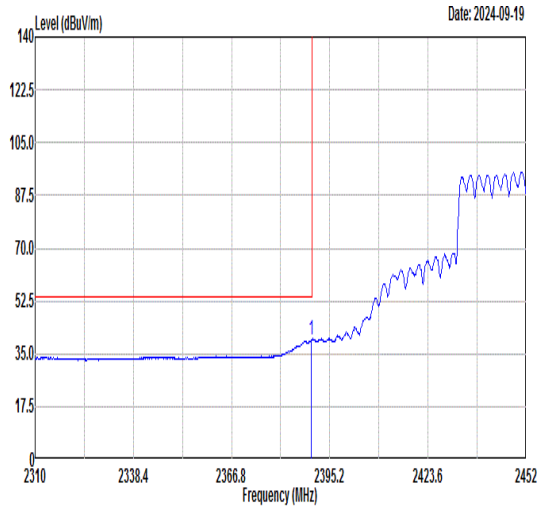
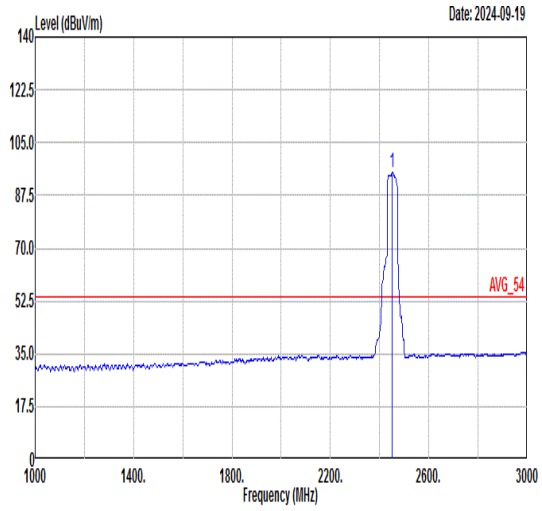
Mode	24	
	Harmonic	
	2400-2483.5_802.11ax HE20_CH11_2462MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 43.13 74.00 -30.87 63.43 36.02 8.57 64.89 --- --- Peak 2 7386.00 45.11 74.00 -28.89 62.94 36.85 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 4924.00 44.24 74.00 -29.76 64.54 36.02 8.57 64.89 --- --- Peak 2 7386.00 45.79 74.00 -28.21 63.62 36.85 10.18 64.86 --- --- Peak

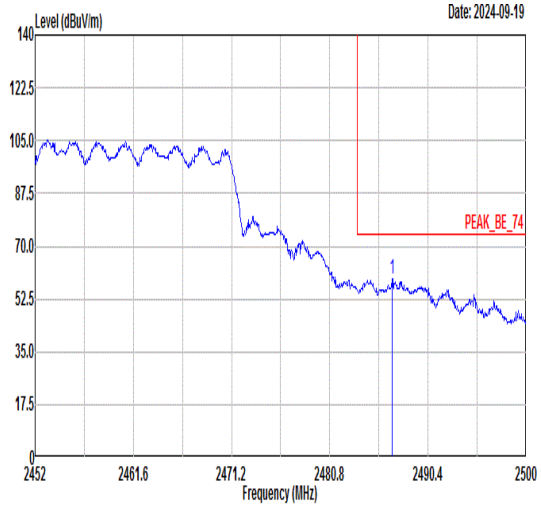
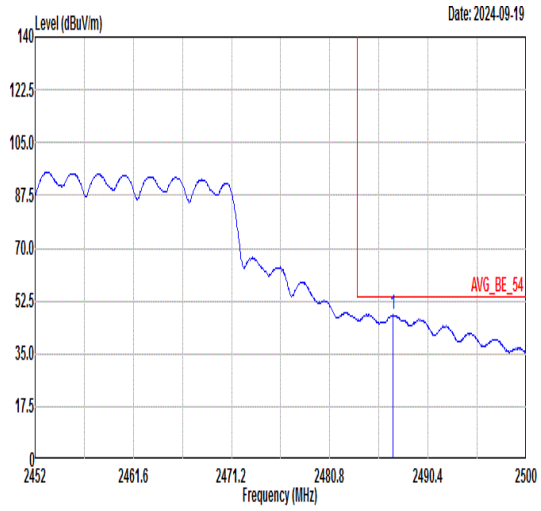
Mode	25	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH03_2422MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2387.06 60.20 74.00 -13.80 57.65 30.72 5.36 33.53 126 125 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2422.00 107.07 74.00 33.07 104.52 30.71 5.40 33.56 126 125 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.97 48.64 54.00 -5.36 46.09 30.72 5.36 33.53 126 125 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2422.00 97.32 ------ ------ 94.77 30.71 5.40 33.56 126 125 AVERAGE

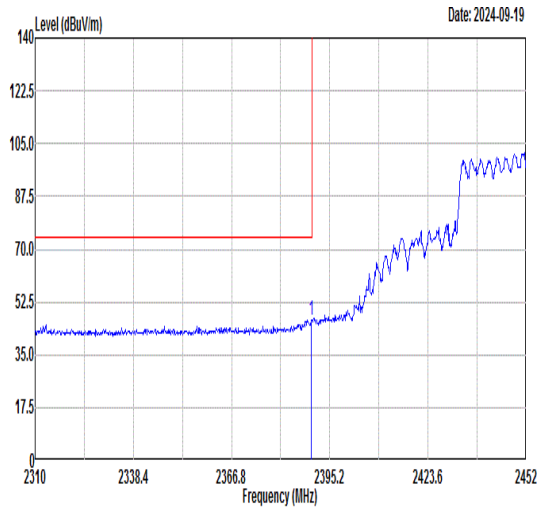
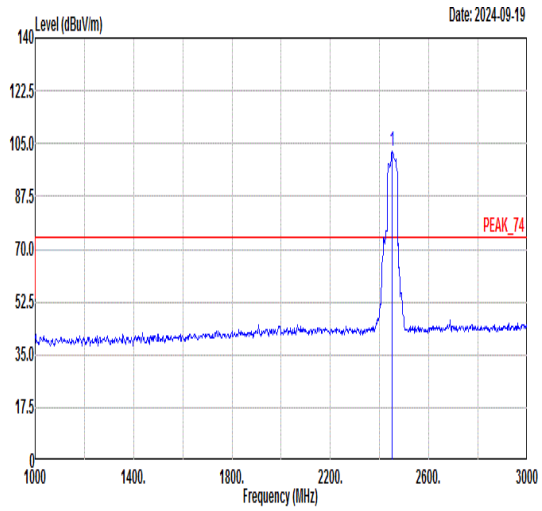
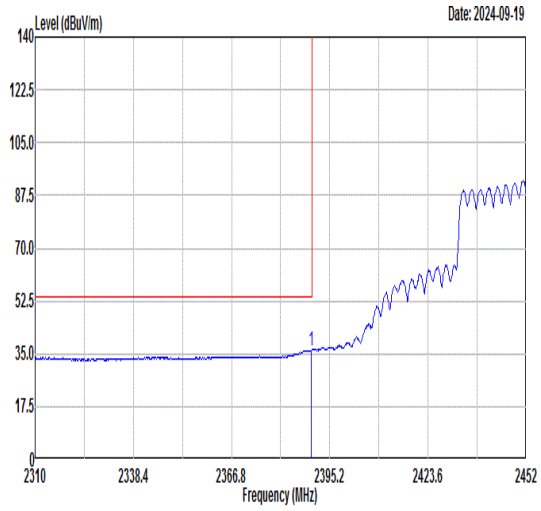
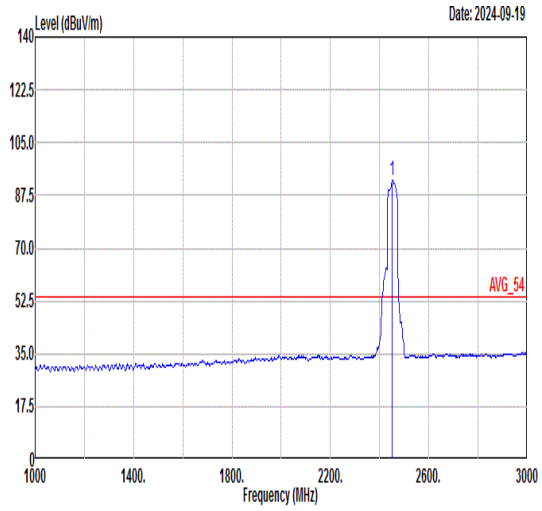
Mode	25	
	Band Edge - R	
	2400-2483.5_802.11ax HE40_CH03_2422MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2486.74 48.45 74.00 -25.55 45.88 30.70 5.46 33.59 126 125 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 2487.13 37.69 54.00 -16.31 35.12 30.70 5.46 33.59 126 125 AVERAGE	Blank

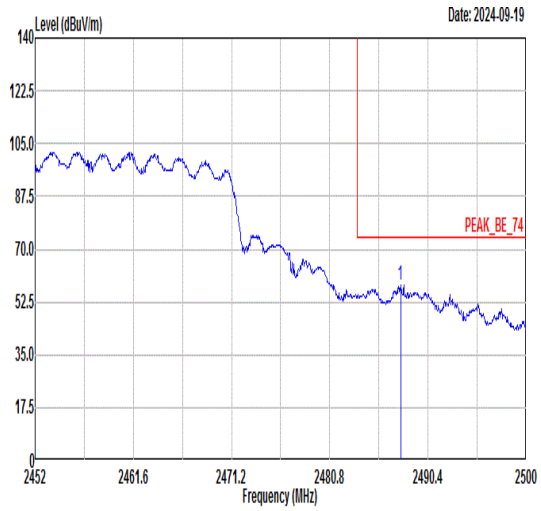
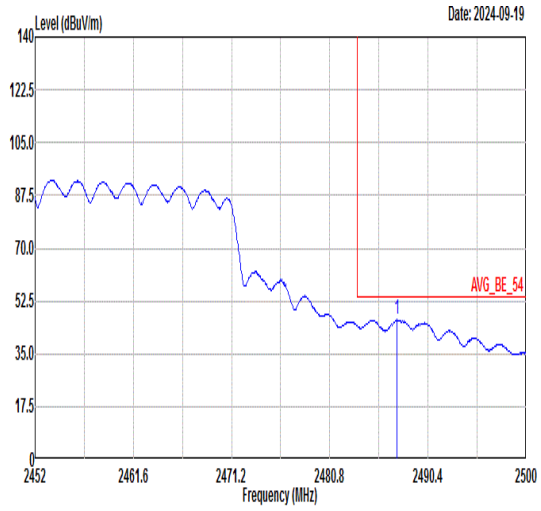
Mode	25	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH03_2422MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2388.96 57.78 74.00 -16.22 55.23 30.72 5.36 33.53 299 194 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2422.00 103.24 ------ ------ 100.68 30.72 5.39 33.55 299 194 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.86 45.44 54.00 -8.56 42.89 30.72 5.36 33.53 299 194 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2422.00 94.15 ------ ------ 91.60 30.71 5.40 33.56 299 194 AVERAGE

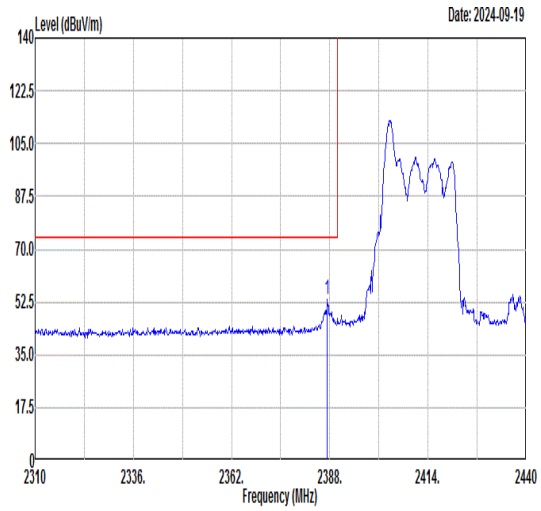
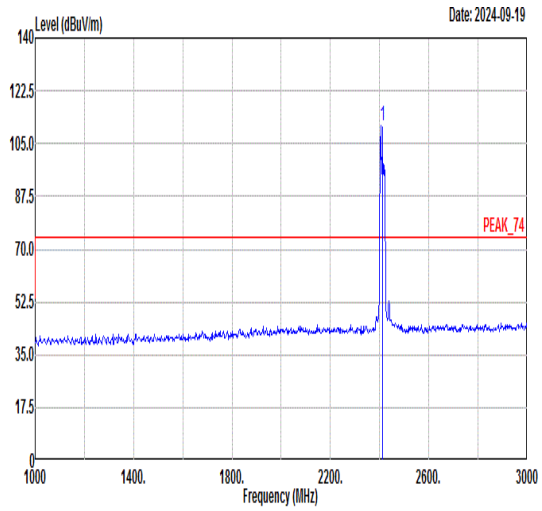
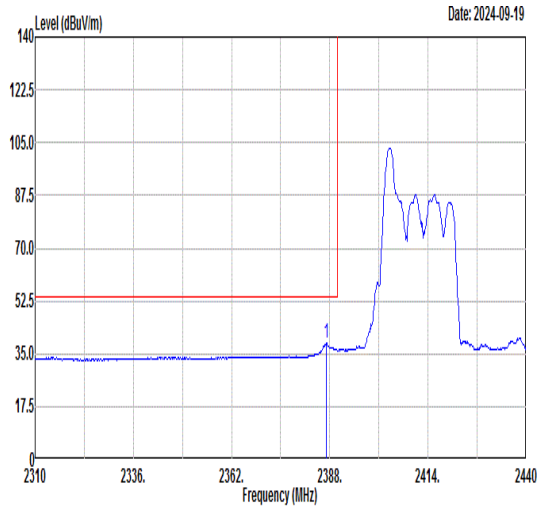
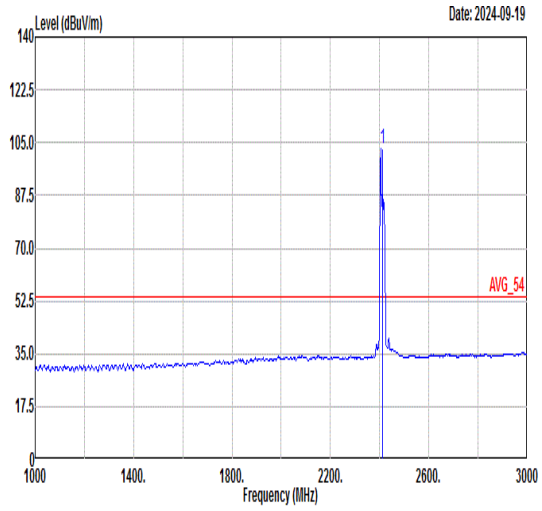
Mode	25	
	Band Edge - R	
	2400-2483.5_802.11ax HE40_CH03_2422MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2488.30 46.44 74.00 -27.56 43.86 30.70 5.47 33.59 299 194 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 2487.99 35.74 54.00 -18.26 33.17 30.70 5.46 33.59 299 194 AVERAGE	Blank

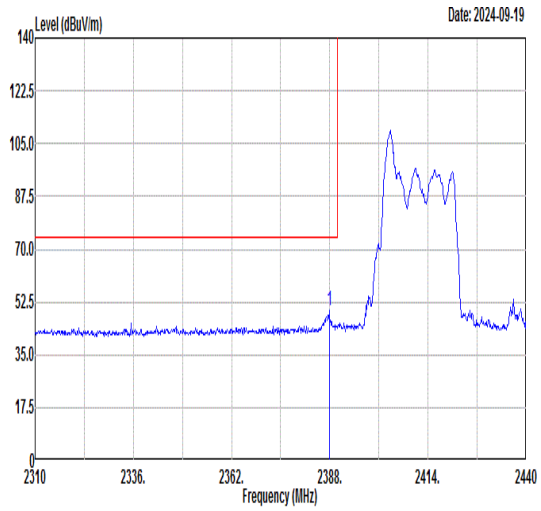
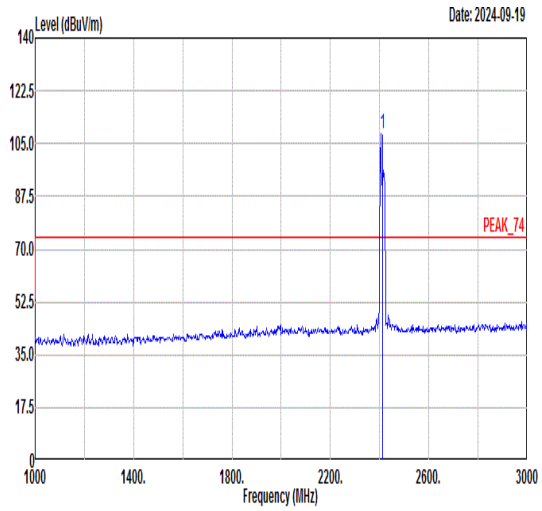
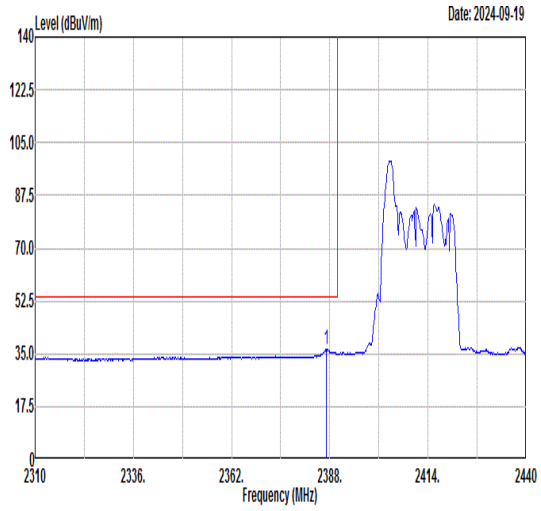
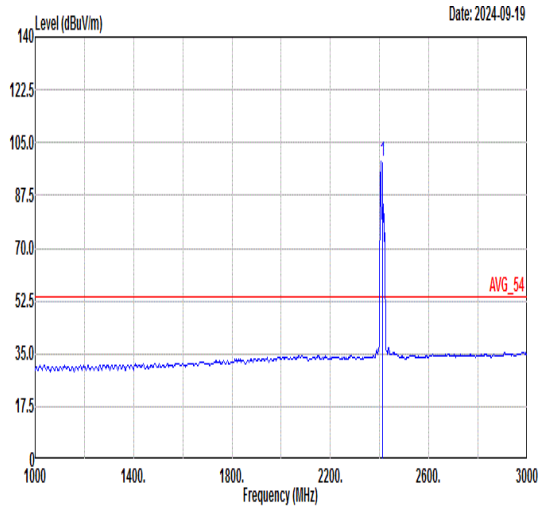
Mode	26	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH09_2452MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.95 51.54 74.00 -22.46 48.99 30.72 5.36 33.53 102 126 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2452.00 104.05 ------ ------ 101.49 30.71 5.42 33.57 102 126 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.95 39.62 54.00 -14.38 37.07 30.72 5.36 33.53 102 126 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2452.00 95.02 ------ ------ 92.45 30.71 5.43 33.57 102 126 AVERAGE

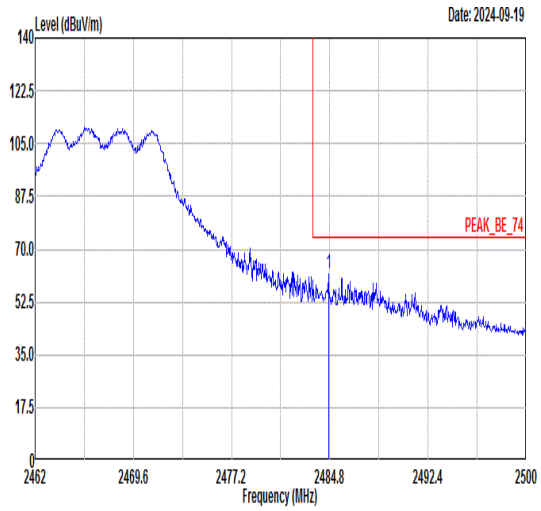
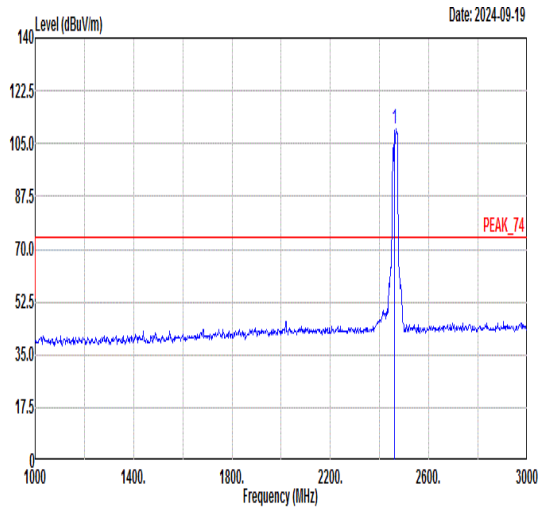
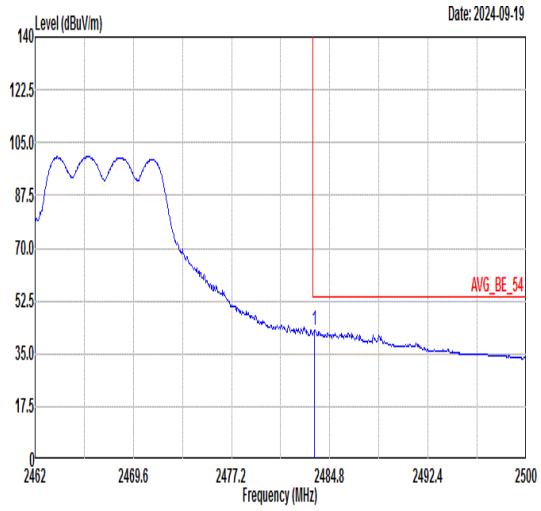
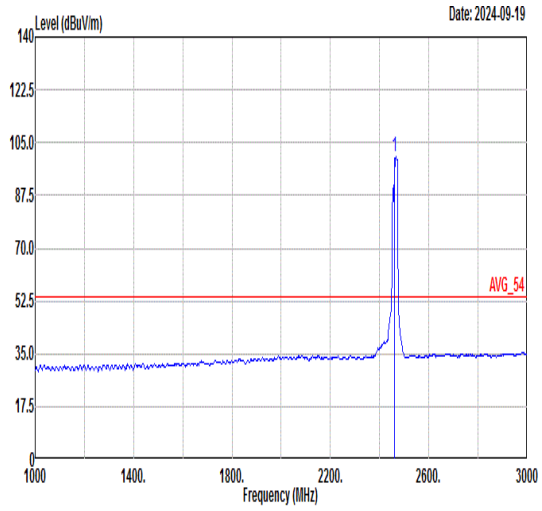
Mode	26	
	Band Edge - R	
	2400-2483.5_802.11ax HE40_CH09_2452MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2486.90 59.39 74.00 -14.61 56.82 30.70 5.46 33.59 102 126 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 2486.99 47.93 54.00 -6.07 45.36 30.70 5.46 33.59 102 126 AVERAGE	Blank

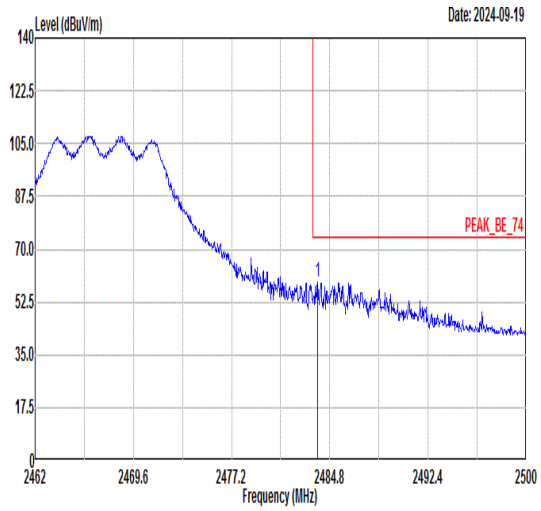
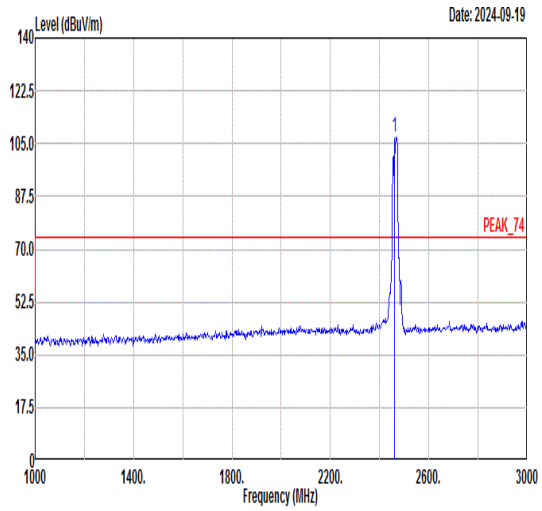
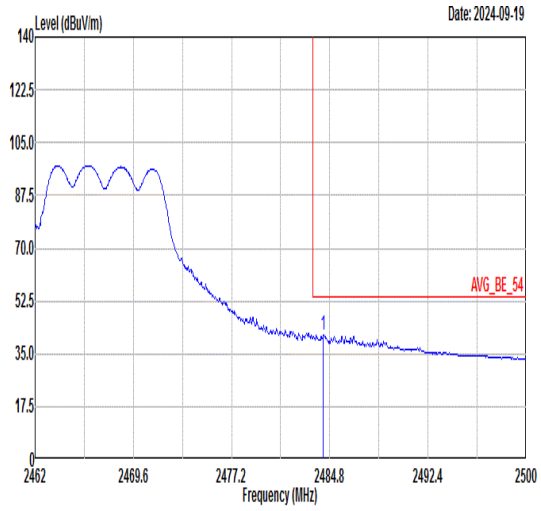
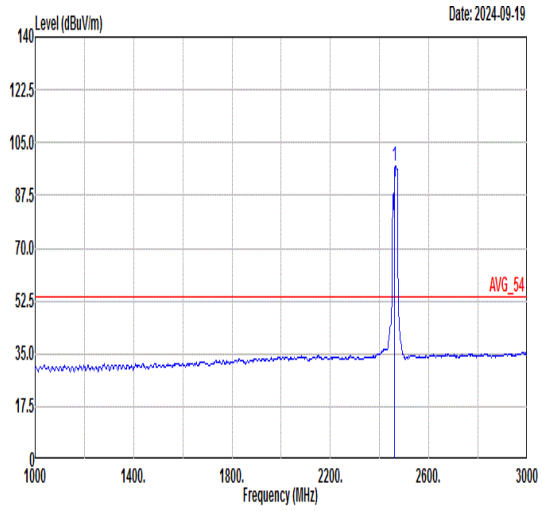
Mode	26	
	Band Edge - L	
	2400-2483.5_802.11ax HE40_CH09_2452MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.95 46.54 74.00 -27.46 43.99 30.72 5.36 33.53 100 188 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2452.00 102.62 ------ ------ 100.06 30.71 5.42 33.57 100 188 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.95 36.16 54.00 -17.84 33.61 30.72 5.36 33.53 100 188 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2452.00 92.30 ------ ------ 89.73 30.71 5.43 33.57 100 188 AVERAGE

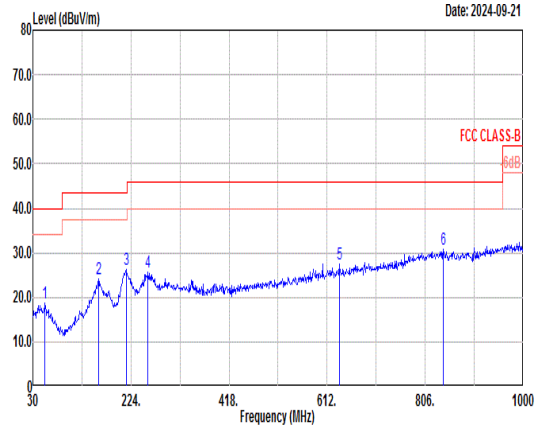
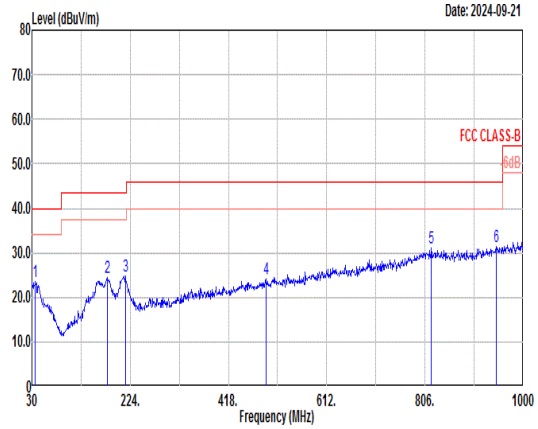
Mode	26	
	Band Edge - R	
	2400-2483.5_802.11ax HE40_CH09_2452MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2487.71 58.23 74.00 -15.77 55.66 30.70 5.46 33.59 100 188 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 2487.38 46.30 54.00 -7.70 43.73 30.70 5.46 33.59 100 188 AVERAGE	Blank

Mode	27	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_Partial RU_2412MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2387.35 53.11 74.00 -20.89 50.56 30.72 5.36 33.53 169 124 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 110.92 ------ ------ 108.37 30.72 5.37 33.54 169 124 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2387.09 38.35 54.00 -15.65 35.80 30.72 5.36 33.53 169 124 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 103.22 ------ ------ 100.67 30.72 5.37 33.54 169 124 AVERAGE

Mode	27	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH01_Partial RU_2412MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2387.87 49.90 74.00 -24.10 47.35 30.72 5.36 33.53 100 153 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 108.50 ------ ------ 105.95 30.72 5.37 33.54 100 153 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2387.09 36.36 54.00 -17.64 33.81 30.72 5.36 33.53 100 153 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 99.00 ------ ------ 96.45 30.72 5.37 33.54 100 153 AVERAGE

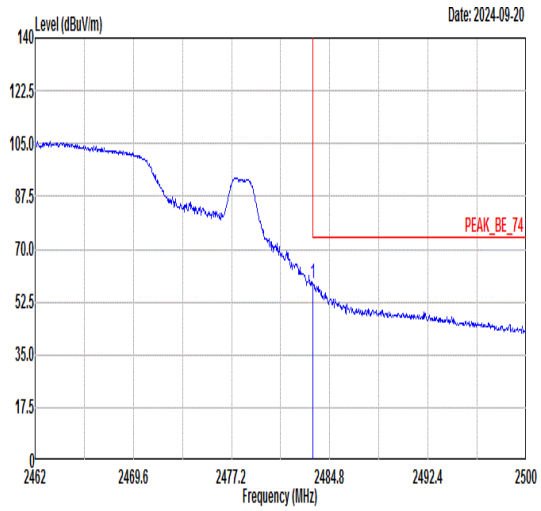
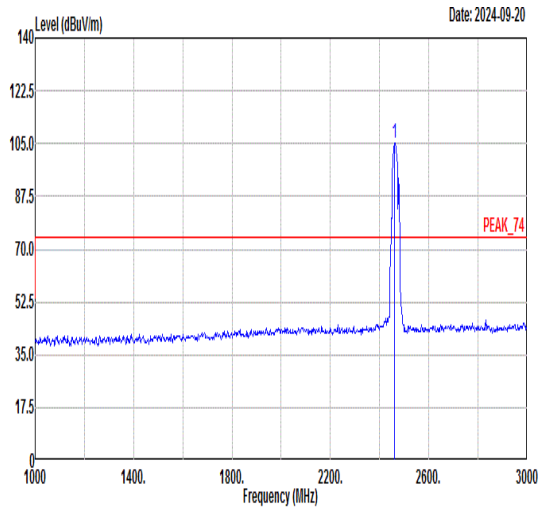
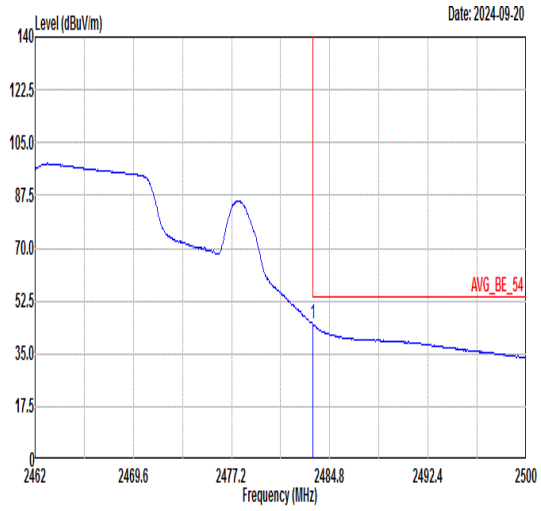
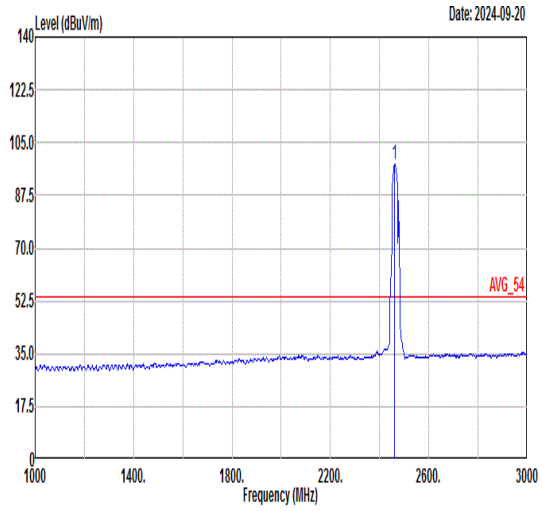
Mode	28	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_Partial RU_2462MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2484.69 61.65 74.00 -12.35 59.08 30.70 5.46 33.59 148 127 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 2462.00 110.05 ------ ------ 107.48 30.71 5.44 33.58 148 127 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 2483.62 43.00 54.00 -11.00 40.43 30.70 5.46 33.59 148 127 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 2462.00 100.15 ------ ------ 97.58 30.71 5.44 33.58 148 127 AVERAGE

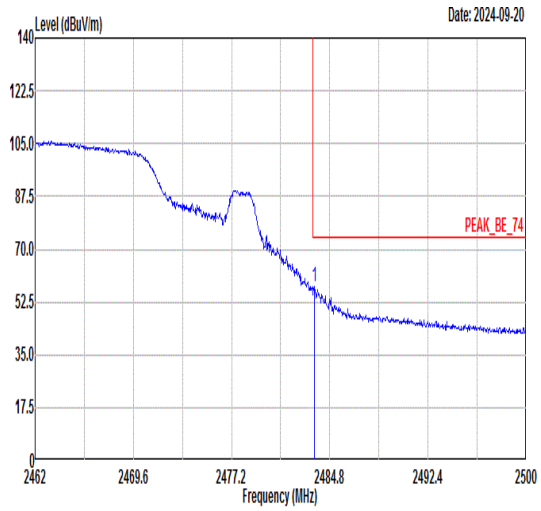
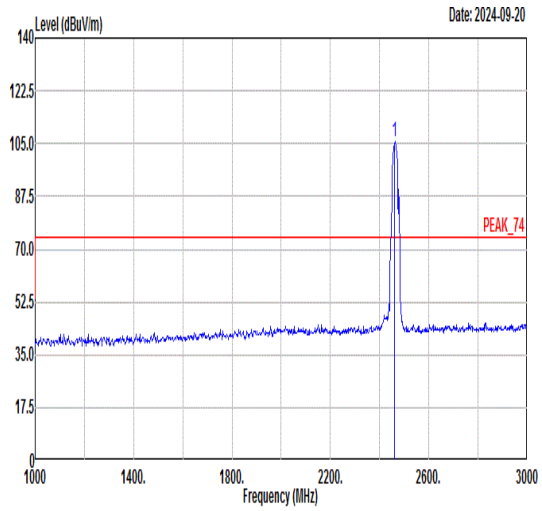
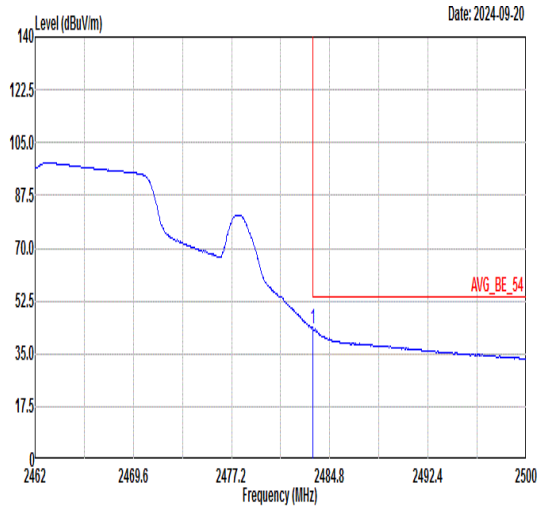
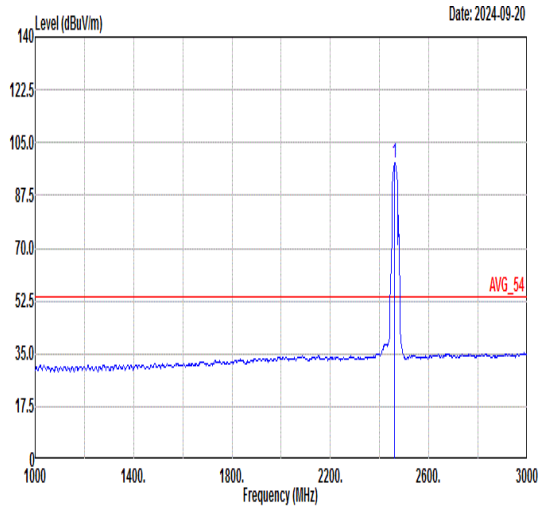
Mode	28	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH11_Partial RU_2462MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.85 59.10 74.00 -14.90 56.53 30.70 5.46 33.59 100 191 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 107.36 ------ ------ 104.79 30.71 5.44 33.58 100 191 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2484.31 41.37 54.00 -12.63 38.80 30.70 5.46 33.59 100 191 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 97.20 ------ ------ 94.63 30.71 5.44 33.58 100 191 AVERAGE

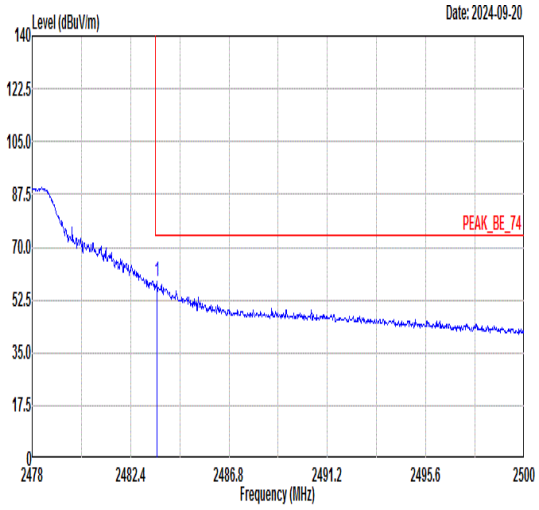
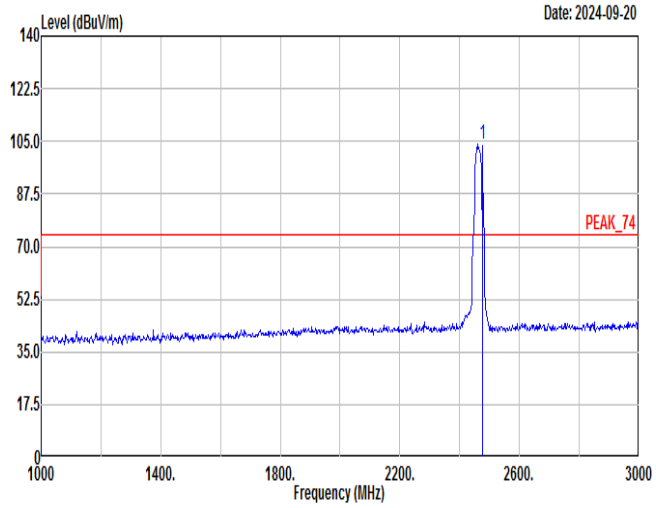
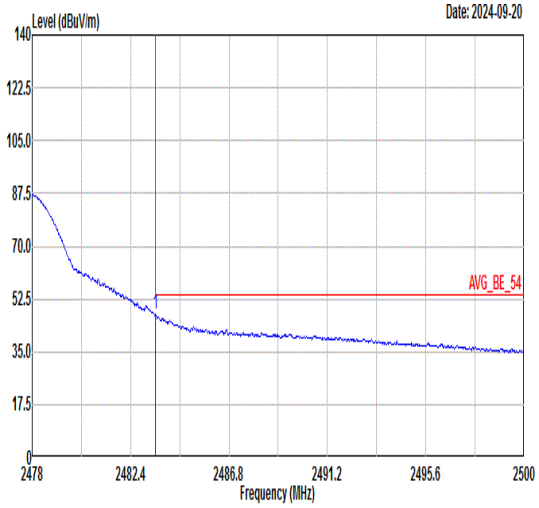
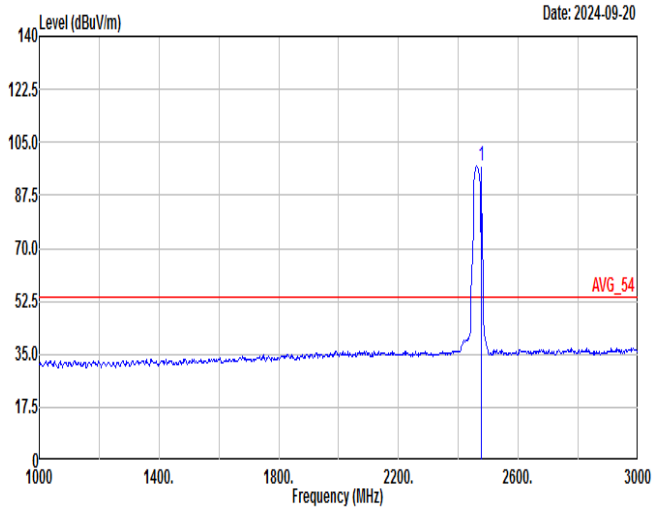
Mode	29	
	LF	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
QP/ Peak		

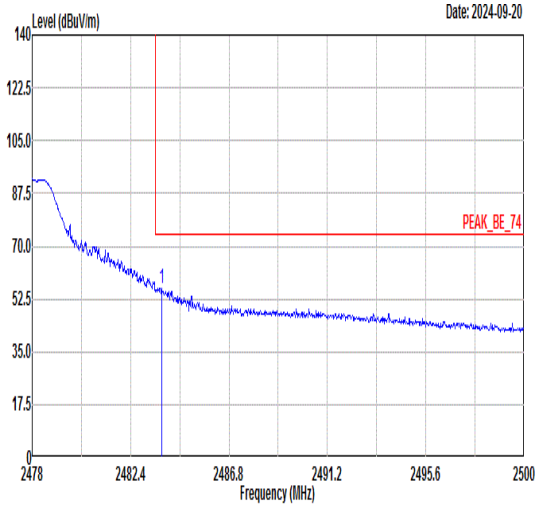
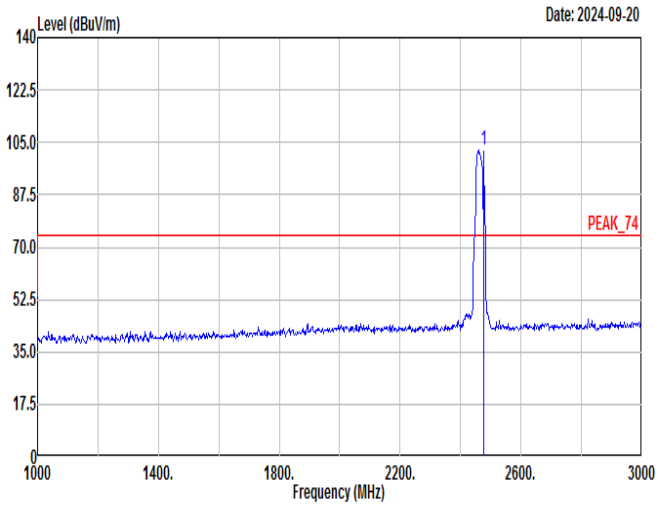
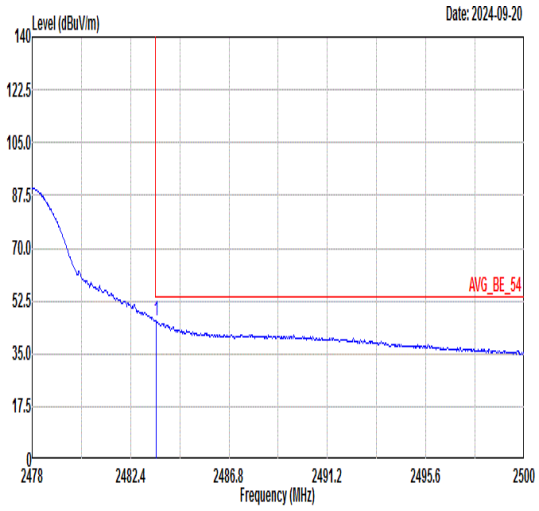
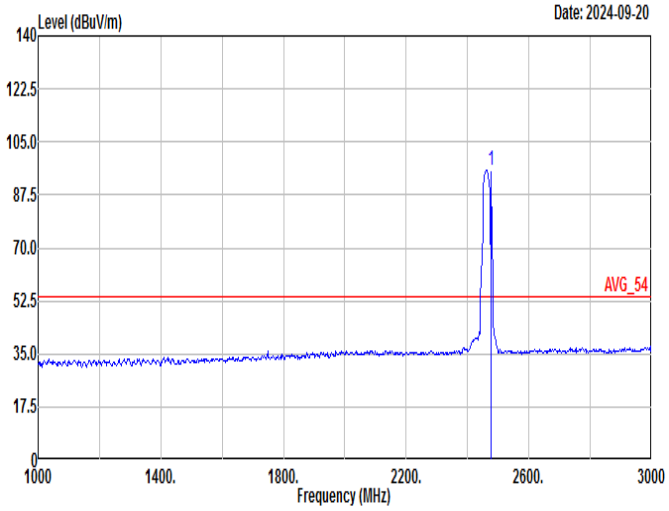
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	54.25	18.67	40.00	-21.33	36.95	12.80	0.73	31.81	---	---	Peak
2	159.98	24.19	43.50	-19.31	38.08	16.50	1.29	31.68	---	---	Peak
3	214.30	26.16	43.50	-17.34	41.37	14.90	1.49	31.60	---	---	Peak
4	257.95	25.77	46.00	-20.23	36.24	19.44	1.67	31.58	---	---	Peak
5	636.25	27.57	46.00	-18.43	29.69	26.42	2.63	31.17	---	---	Peak
6	841.89	30.69	46.00	-15.31	29.88	28.88	3.03	31.10	---	---	Peak

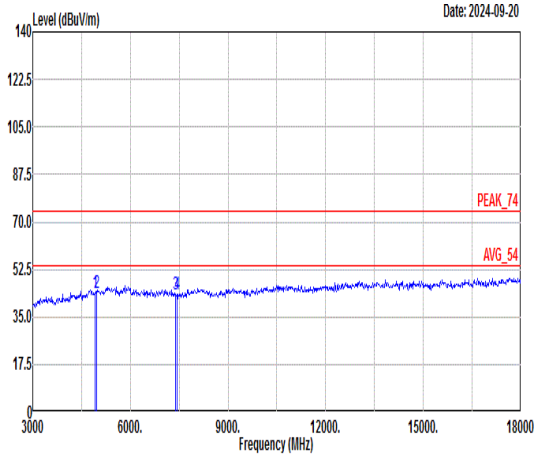
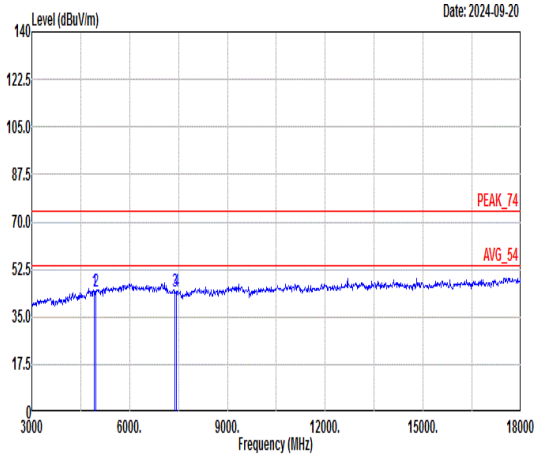
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	36.79	23.50	40.00	-16.50	33.15	21.50	0.59	31.74	---	---	Peak
2	178.41	24.32	43.50	-19.18	39.50	15.10	1.36	31.64	---	---	Peak
3	214.30	24.84	43.50	-18.66	40.05	14.90	1.49	31.60	---	---	Peak
4	492.69	24.13	46.00	-21.87	29.37	23.86	2.31	31.41	---	---	Peak
5	818.61	30.96	46.00	-15.04	31.08	28.00	2.98	31.10	---	---	Peak
6	946.65	31.26	46.00	-14.74	28.16	30.68	3.23	30.81	---	---	Peak

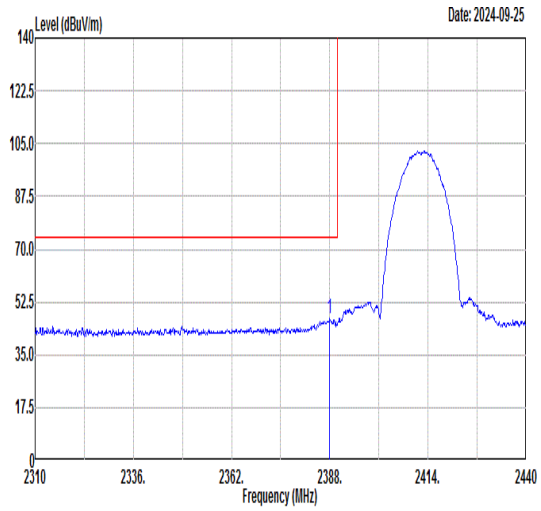
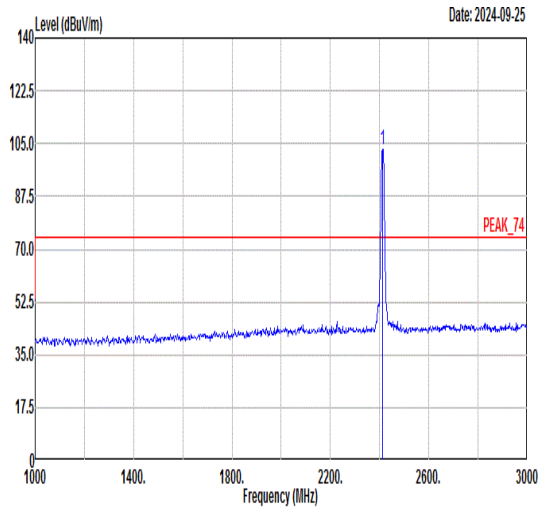
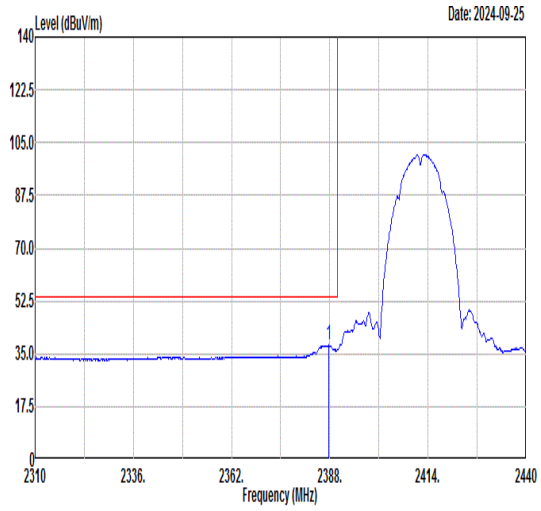
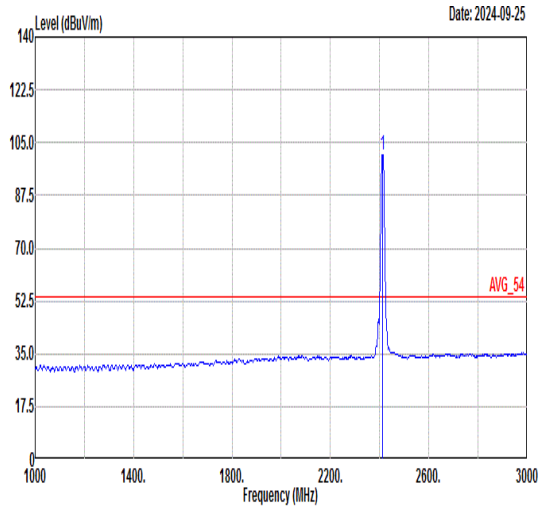
Mode	30	
	Band Edge - L	
	2400-2483.5_ 11ac_VHT20_Ch11+Bluetooth-LE_CH38	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.51 58.77 74.00 -15.23 56.20 30.70 5.46 33.59 361 119 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 104.96 ------ ------ 102.39 30.71 5.44 33.58 361 119 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.51 44.65 54.00 -9.35 42.08 30.70 5.46 33.59 361 119 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 97.89 ------ ------ 95.32 30.71 5.44 33.58 361 119 AVERAGE

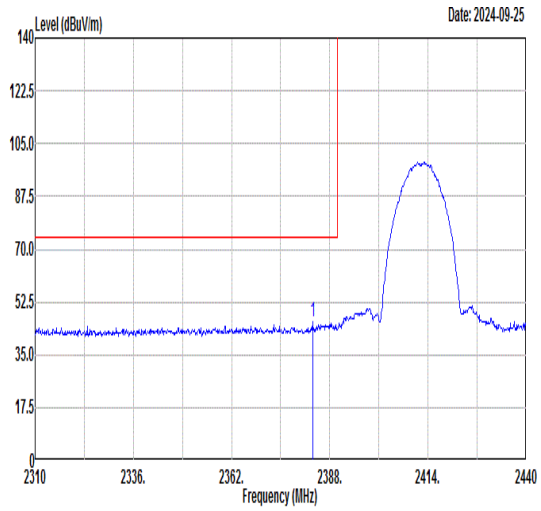
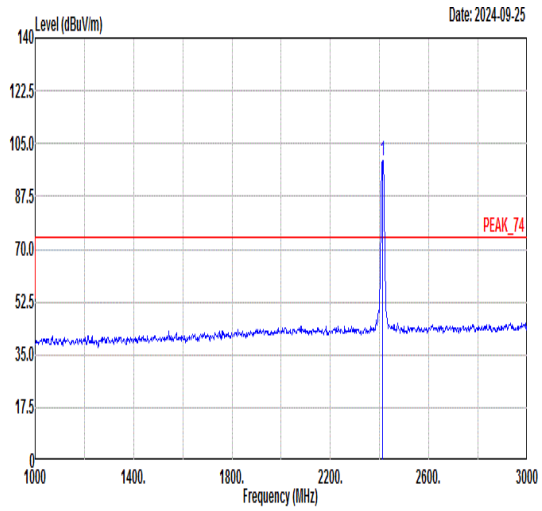
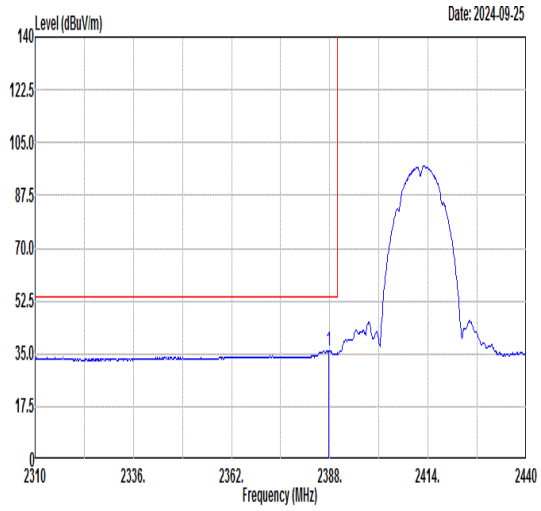
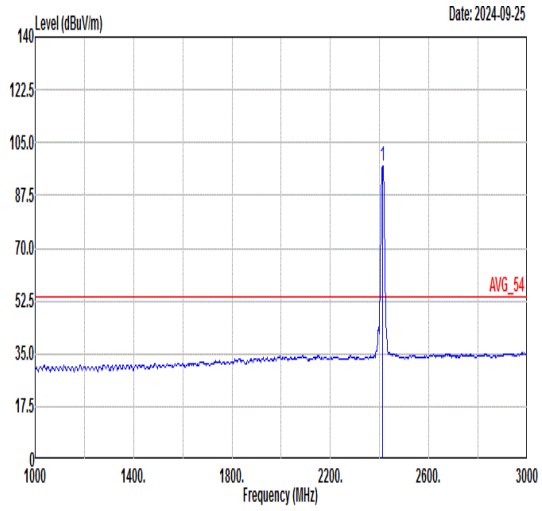
Mode	30	
	Band Edge - L	
	2400-2483.5_ 11ac_VHT20_Ch11+Bluetooth-LE_CH38	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.58 57.54 74.00 -16.46 54.97 30.70 5.46 33.59 280 179 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 105.68 ------ ------ 103.11 30.71 5.44 33.58 280 179 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.51 43.17 54.00 -10.83 40.60 30.70 5.46 33.59 280 179 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 98.23 ------ ------ 95.66 30.71 5.44 33.58 280 179 AVERAGE

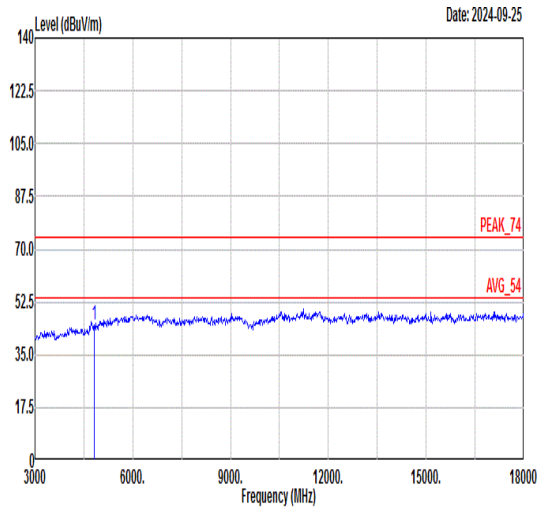
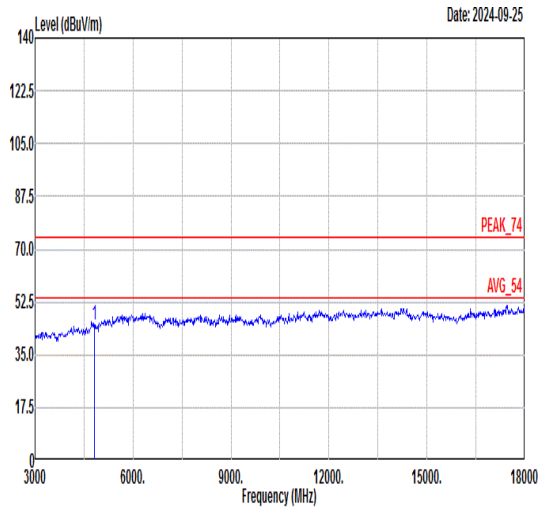
Mode	30	
	Band Edge - R	
	2400-2483.5_ 11ac_VHT20_Ch11+Bluetooth-LE_CH38	
ANT	0	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2483.59 58.71 74.00 -15.29 56.14 30.70 5.46 33.59 367 123 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 2478.00 104.06 ------ ------ 101.50 30.71 5.43 33.58 367 123 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 2483.52 47.65 54.00 -6.35 45.08 30.70 5.46 33.59 367 123 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 2478.00 97.33 ------ ------ 94.77 30.71 5.43 33.58 367 123 AVERAGE

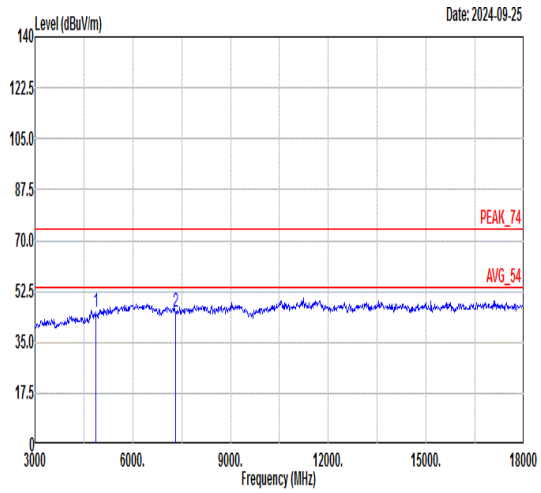
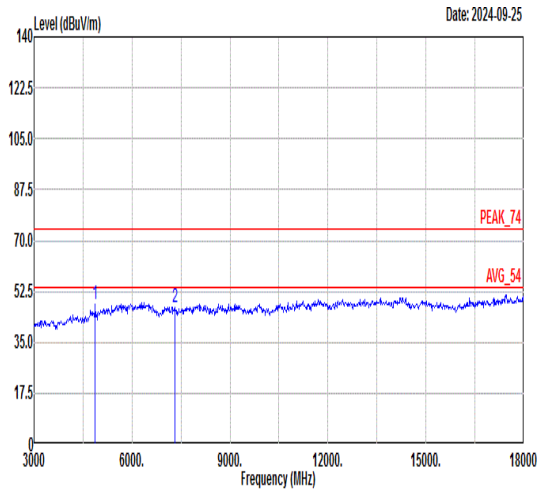
Mode	30	
	Band Edge - R	
	2400-2483.5_ 11ac_VHT20_Ch11+Bluetooth-LE_CH38	
ANT	0	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.81 56.10 74.00 -17.90 53.53 30.70 5.46 33.59 244 182 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2478.00 102.43 ------ ------ 99.86 30.71 5.44 33.58 244 182 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.54 45.77 54.00 -8.23 43.20 30.70 5.46 33.59 244 182 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2478.00 95.54 ------ ------ 92.97 30.71 5.44 33.58 244 182 AVERAGE

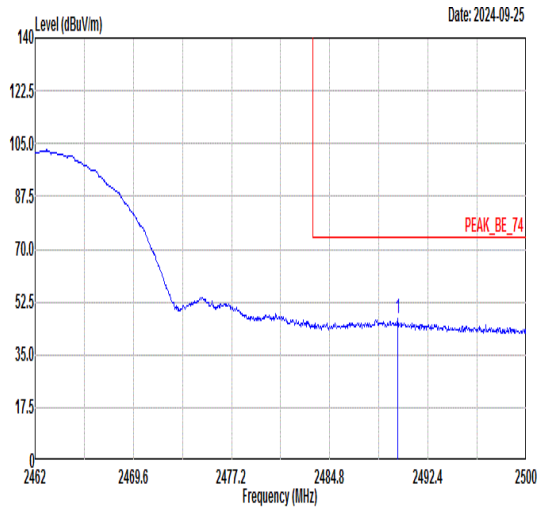
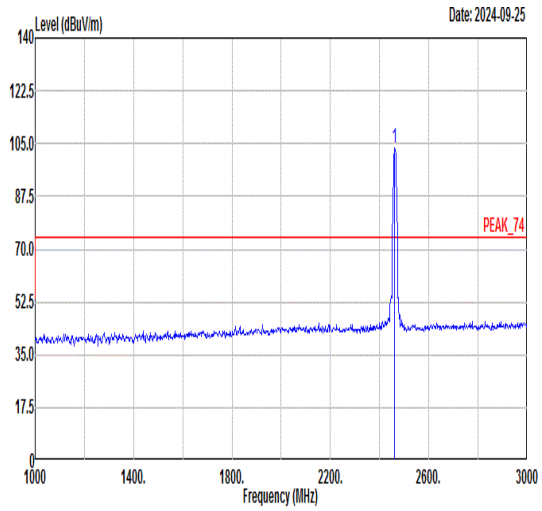
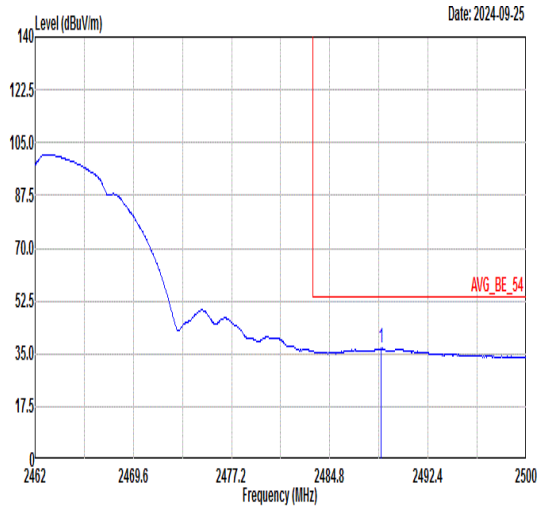
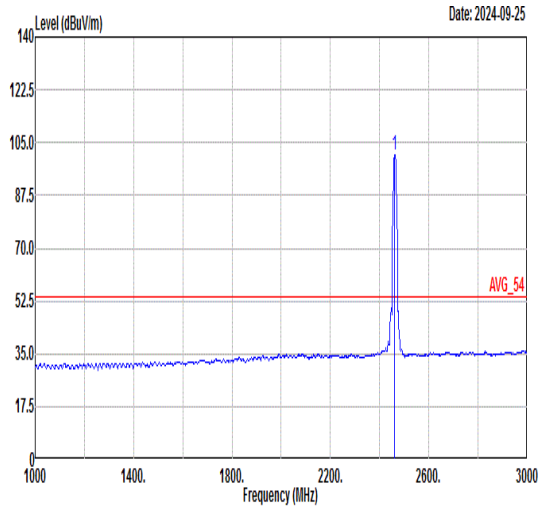
Mode	30	
	Harmonic	
	2400-2483.5_ 11ac_VHT20_Ch11+Bluetooth-LE_CH38	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 43.84 74.00 -30.16 64.14 36.02 8.57 64.89 --- --- Peak 2 4960.00 44.09 74.00 -29.91 64.43 36.10 8.46 64.90 --- --- Peak 3 7386.00 43.38 74.00 -30.62 61.21 36.85 10.18 64.86 --- --- Peak 4 7440.00 43.16 74.00 -30.84 61.03 36.82 10.17 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 4924.00 44.58 74.00 -29.42 64.88 36.02 8.57 64.89 --- --- Peak 2 4960.00 44.53 74.00 -29.47 64.87 36.10 8.46 64.90 --- --- Peak 3 7386.00 44.29 74.00 -29.71 62.12 36.85 10.18 64.86 --- --- Peak 4 7440.00 44.18 74.00 -29.82 62.05 36.82 10.17 64.86 --- --- Peak

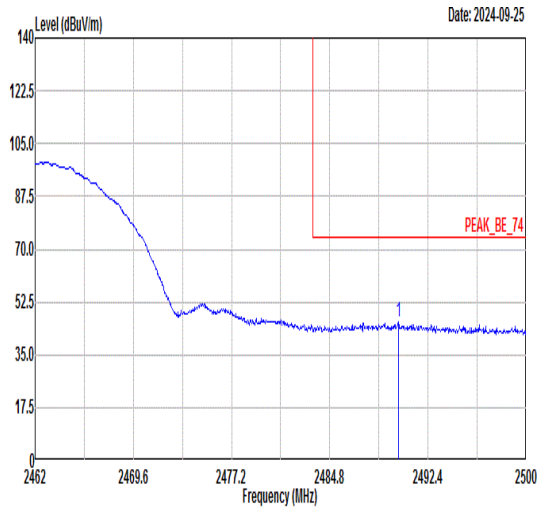
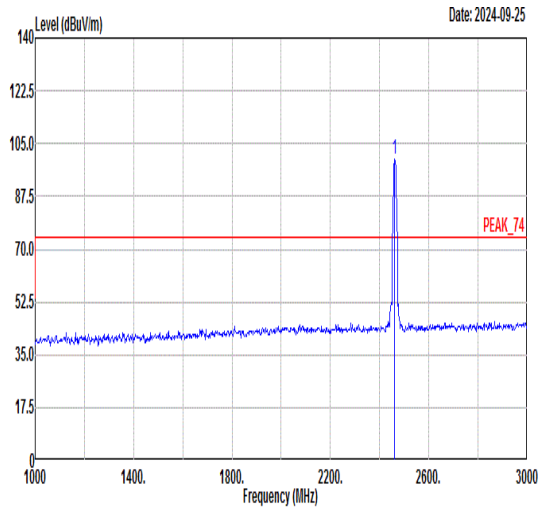
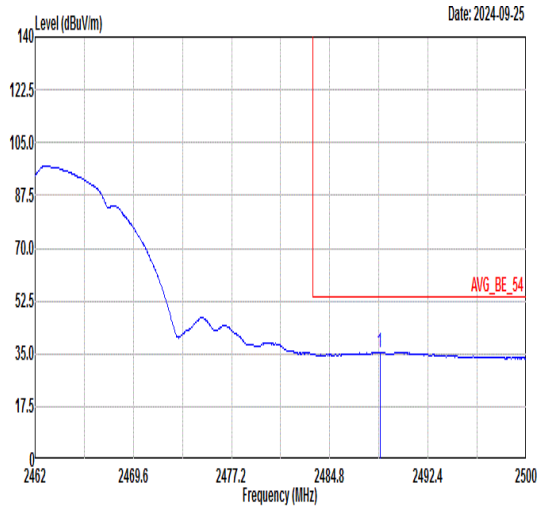
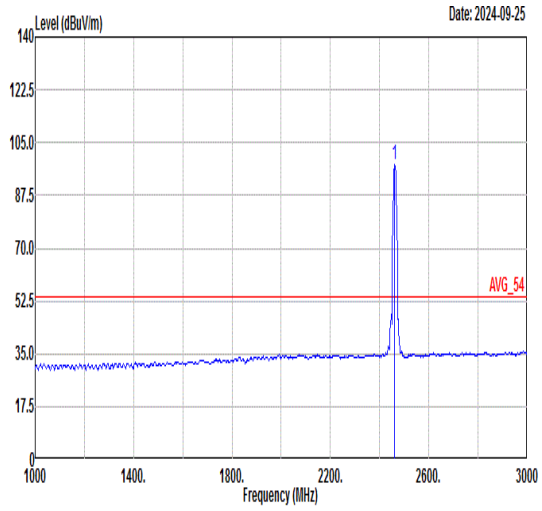
Mode	31	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2388.00 46.76 74.00 -27.24 44.21 30.72 5.36 33.53 111 131 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 103.12 ------ ------ 100.57 30.72 5.38 33.55 111 131 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2387.74 37.79 54.00 -16.21 35.24 30.72 5.36 33.53 111 131 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 101.01 ------ ------ 98.46 30.72 5.38 33.55 111 131 AVERAGE

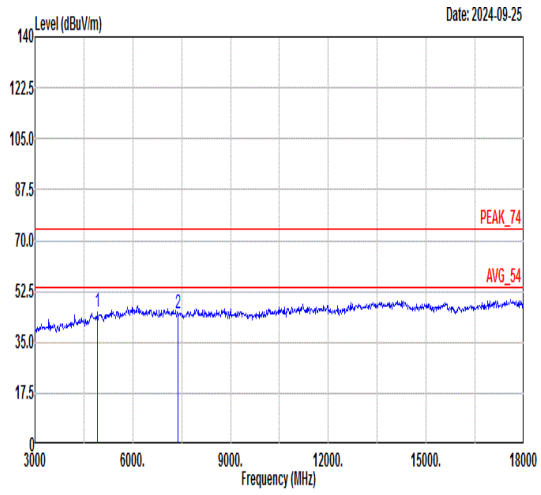
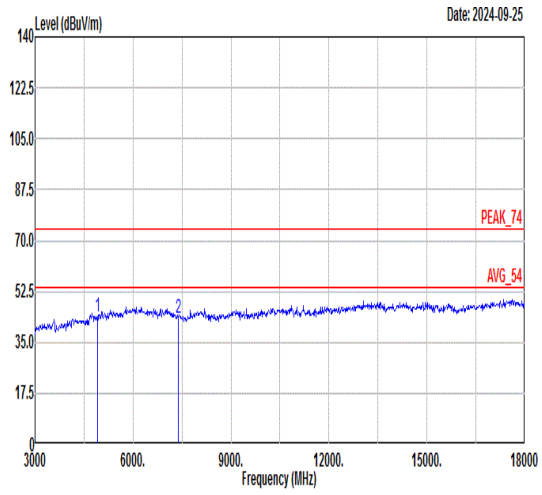
Mode	31	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2383.45 45.79 74.00 -28.21 43.25 30.72 5.35 33.53 242 182 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 99.38 ------ ------ 96.83 30.72 5.38 33.55 242 182 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2387.74 35.77 54.00 -18.23 33.22 30.72 5.36 33.53 242 182 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2412.00 97.12 ------ ------ 94.57 30.72 5.38 33.55 242 182 AVERAGE

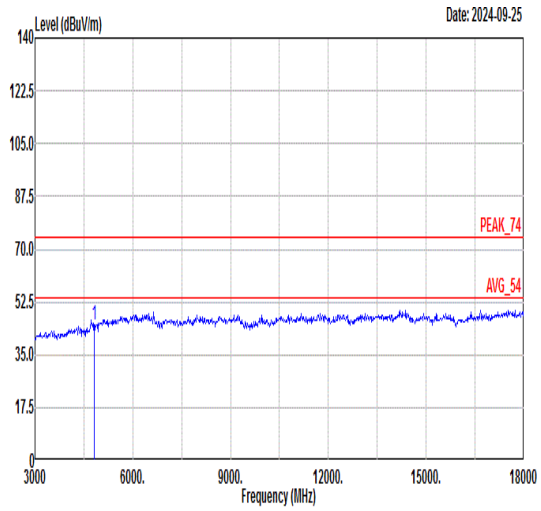
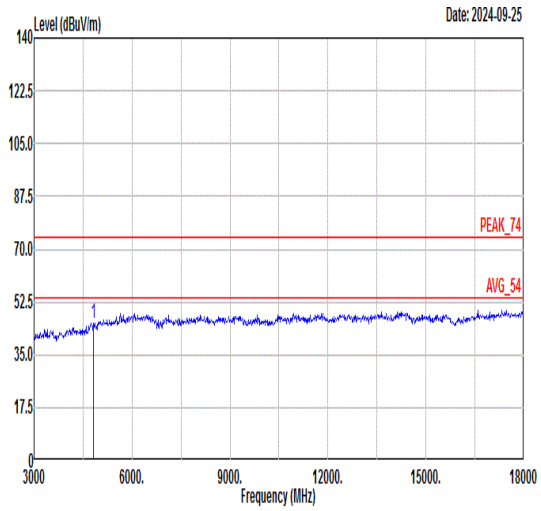
Mode	31	
	Harmonic	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 44.80 74.00 -29.20 52.90 35.78 8.88 52.76 --- --- Peak	 Freq 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 44.72 74.00 -29.28 52.82 35.78 8.88 52.76 --- --- Peak

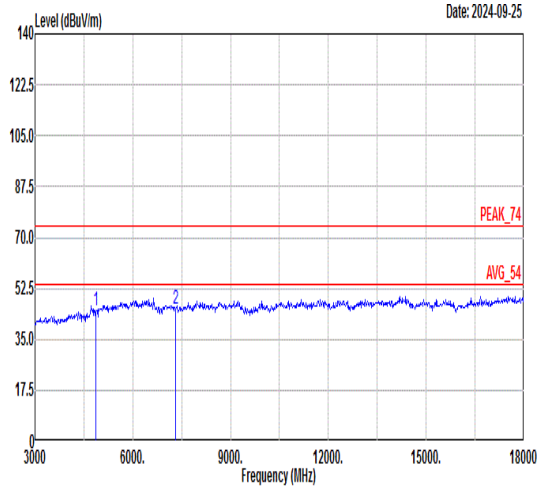
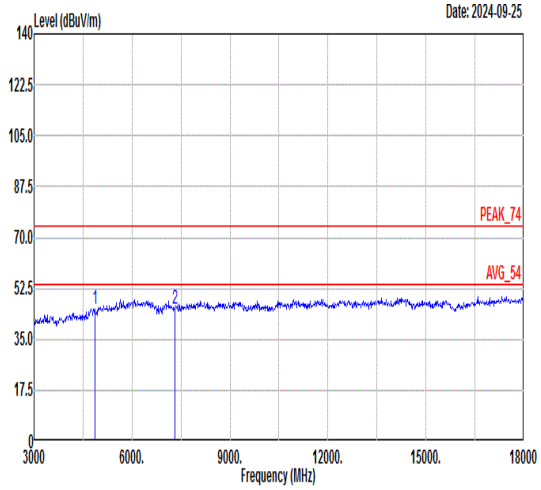
Mode	32	
	Harmonic	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 45.56 74.00 -28.44 53.54 35.90 8.72 52.60 --- --- Peak 2 7311.00 45.46 74.00 -28.54 50.70 36.88 10.18 52.30 --- --- 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 48.25 74.00 -25.75 56.23 35.90 8.72 52.60 --- --- Peak 2 7311.00 46.81 74.00 -27.19 52.05 36.88 10.18 52.30 --- --- Peak

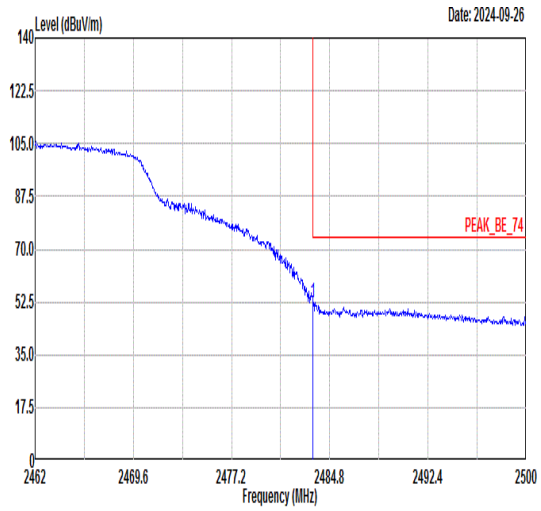
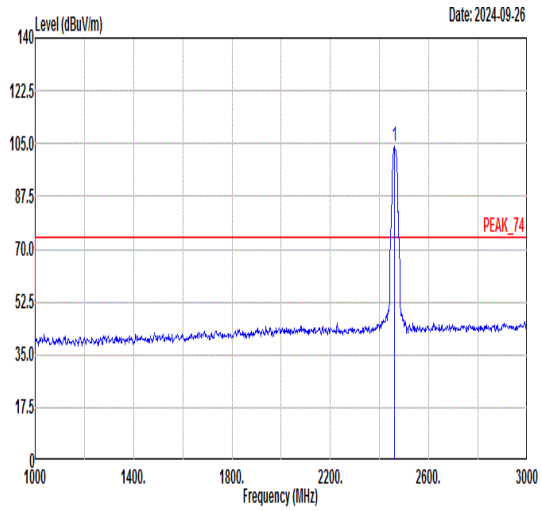
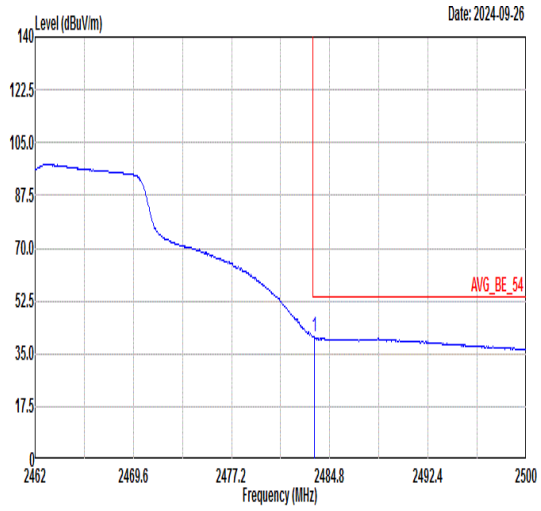
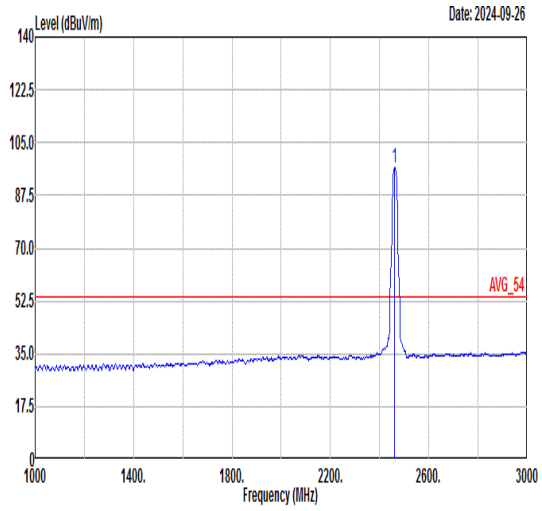
Mode	33	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2490.08 47.27 74.00 -26.73 44.69 30.70 5.47 33.59 295 136 PEAK	 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 2462.00 103.67 ------ ------ 101.10 30.71 5.44 33.58 295 136 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 2488.79 36.83 54.00 -17.17 34.25 30.70 5.47 33.59 295 136 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 2462.00 101.15 ------ ------ 98.58 30.71 5.44 33.58 295 136 AVERAGE

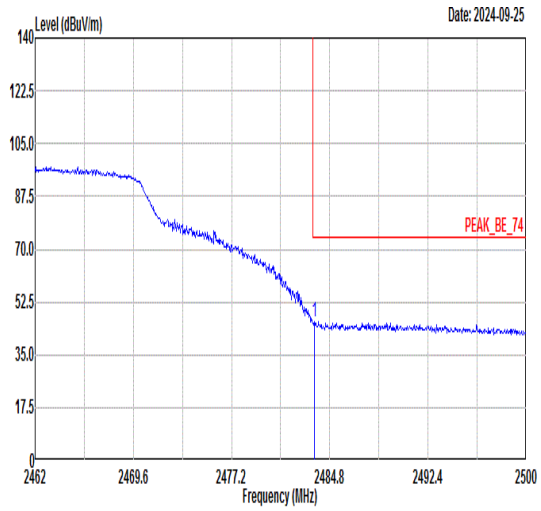
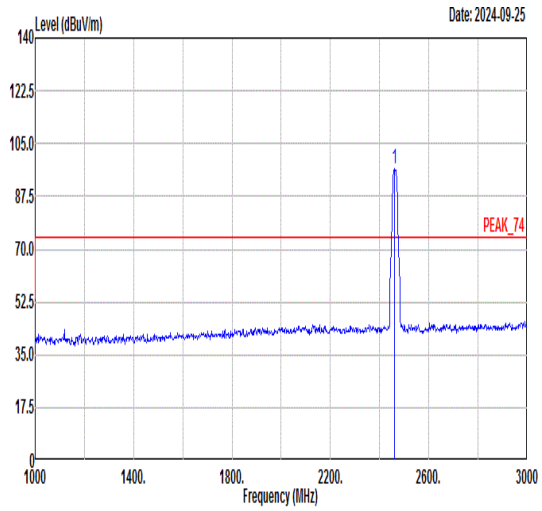
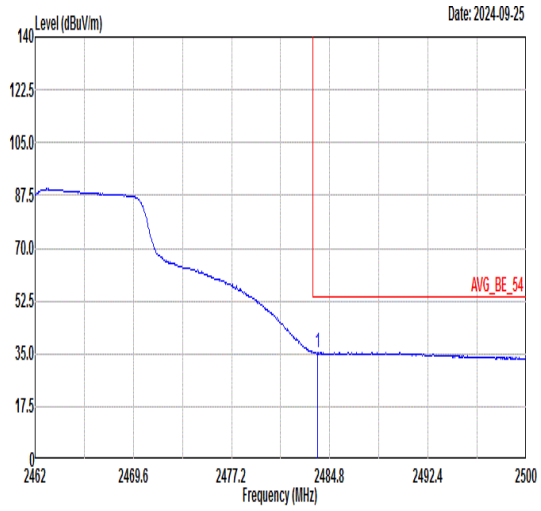
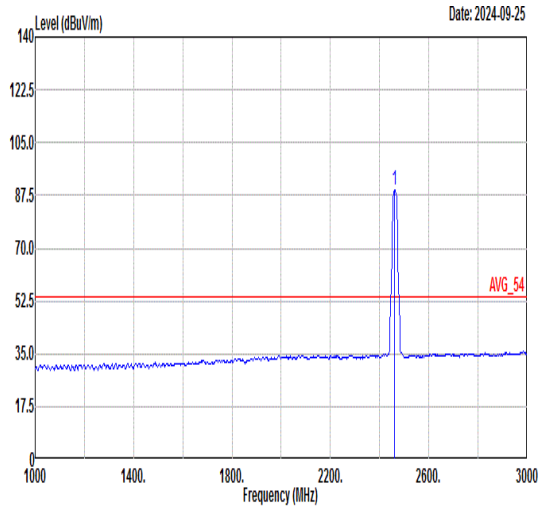
Mode	33	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2490.12 45.75 74.00 -28.25 43.17 30.70 5.47 33.59 272 172 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 100.03 ------ ------ 97.46 30.71 5.44 33.58 272 172 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2488.68 35.58 54.00 -18.42 33.00 30.70 5.47 33.59 272 172 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 97.60 ------ ------ 95.03 30.71 5.44 33.58 272 172 AVERAGE

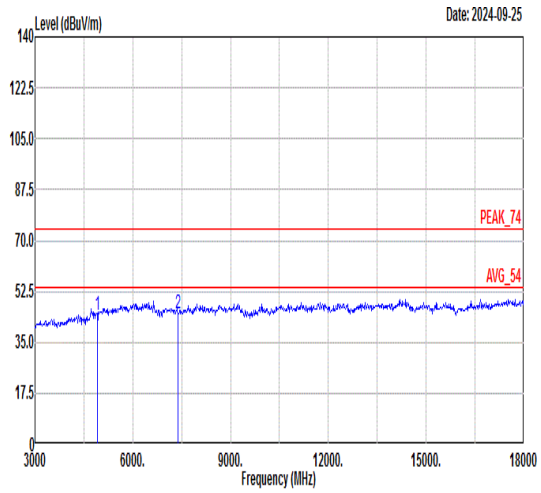
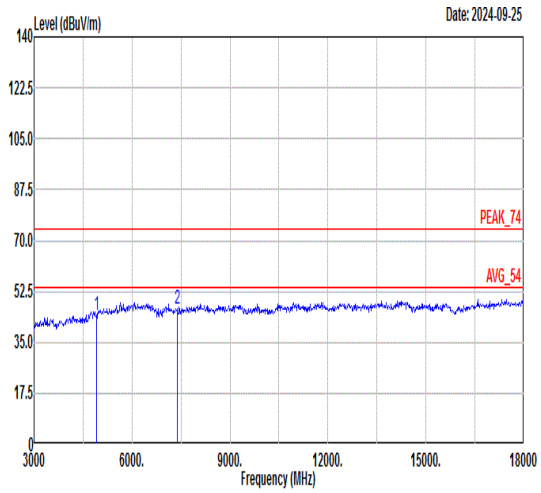
Mode	33	
	Harmonic	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 45.19 74.00 -28.81 65.49 36.02 8.57 64.89 --- --- Peak 2 7386.00 44.91 74.00 -29.09 62.74 36.85 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 4924.00 43.85 74.00 -30.15 64.15 36.02 8.57 64.89 --- --- Peak 2 7386.00 43.54 74.00 -30.46 61.37 36.85 10.18 64.86 --- --- Peak

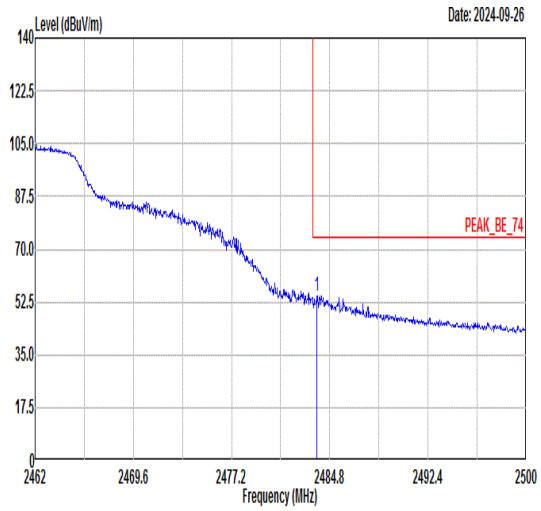
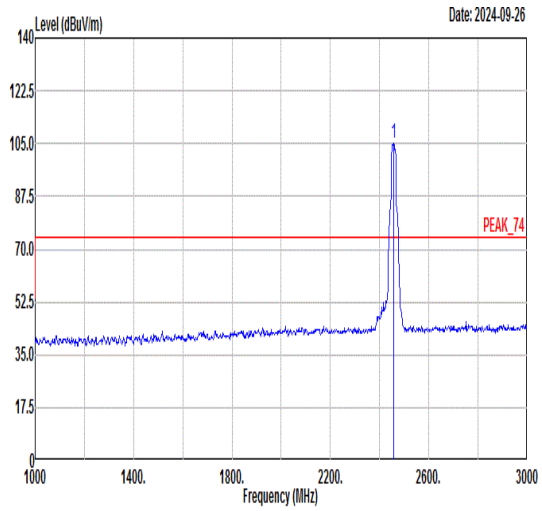
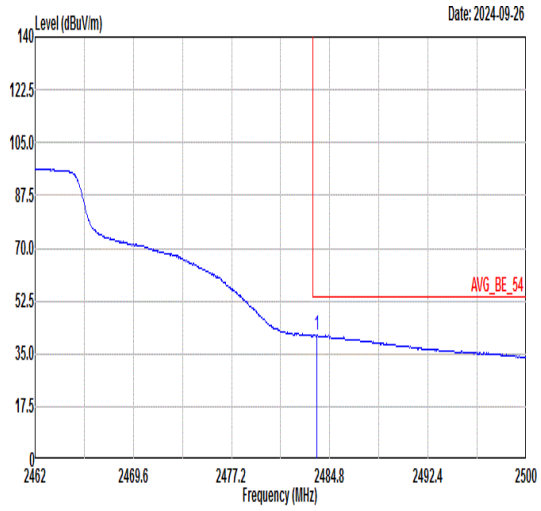
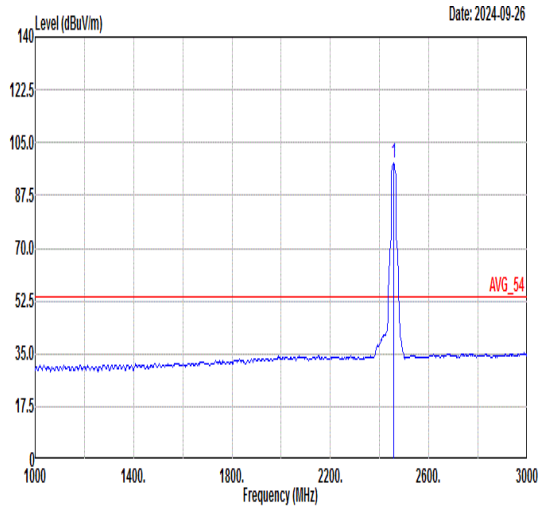
Mode	34	
	Harmonic	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 44.97 74.00 -29.03 53.07 35.78 8.88 52.76 --- 0 Peak	 Freq 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 45.18 74.00 -28.82 53.28 35.78 8.88 52.76 --- --- Peak

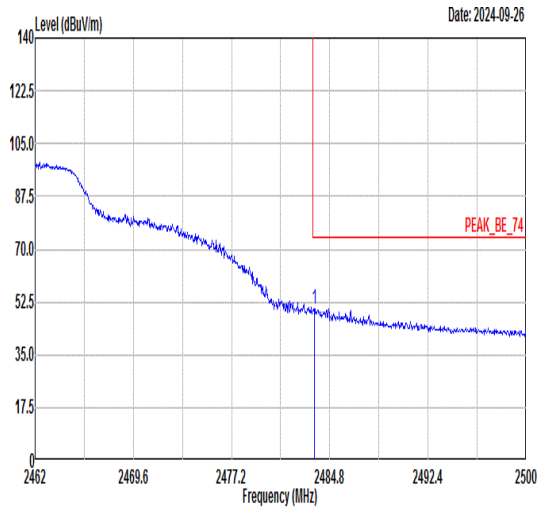
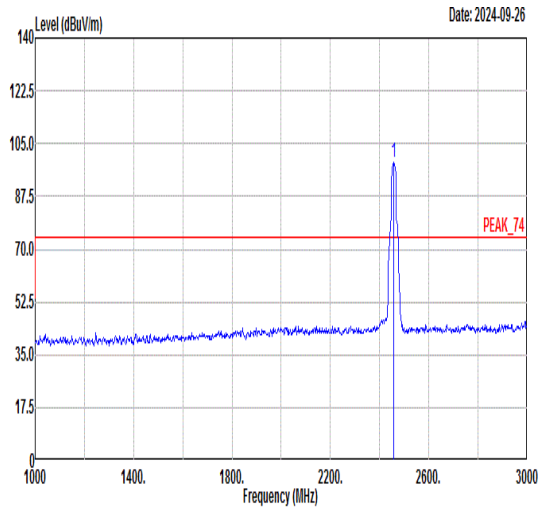
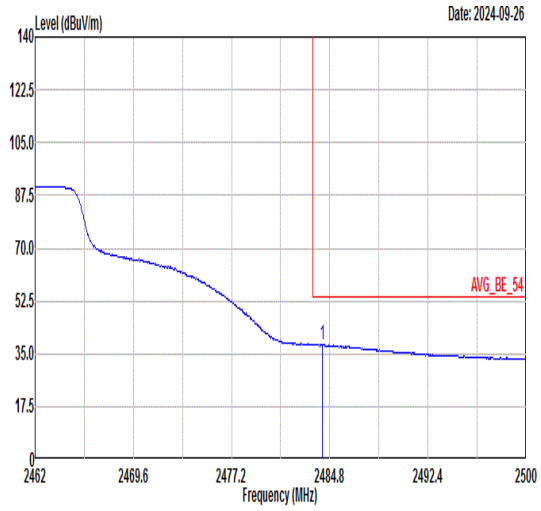
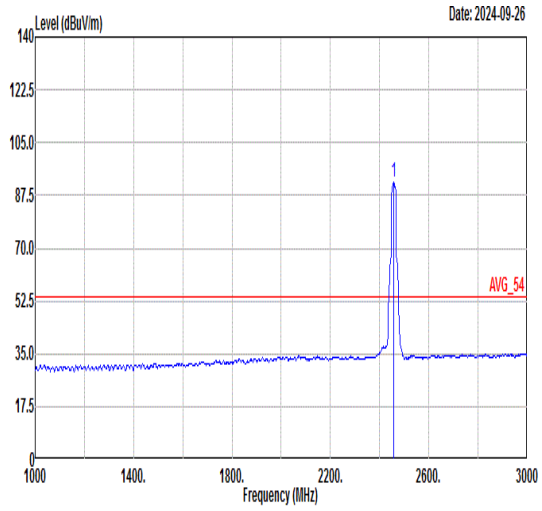
Mode	35	
	Harmonic	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 44.76 74.00 -29.24 52.74 35.90 8.72 52.60 --- --- Peak 2 7311.00 45.19 74.00 -28.81 50.43 36.88 10.18 52.30 --- --- 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 45.22 74.00 -28.78 53.20 35.90 8.72 52.60 --- --- Peak 2 7311.00 45.26 74.00 -28.74 50.50 36.88 10.18 52.30 --- --- Peak

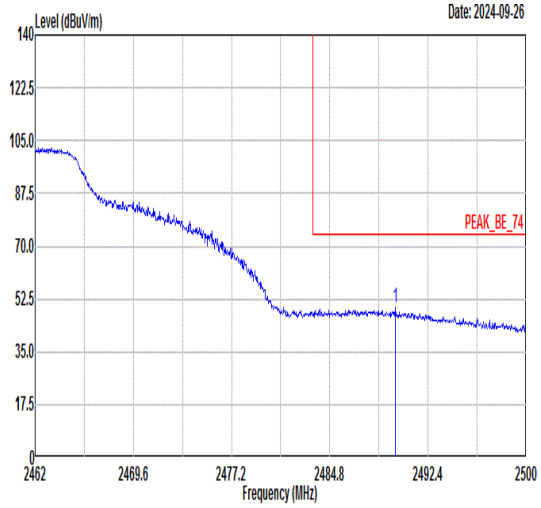
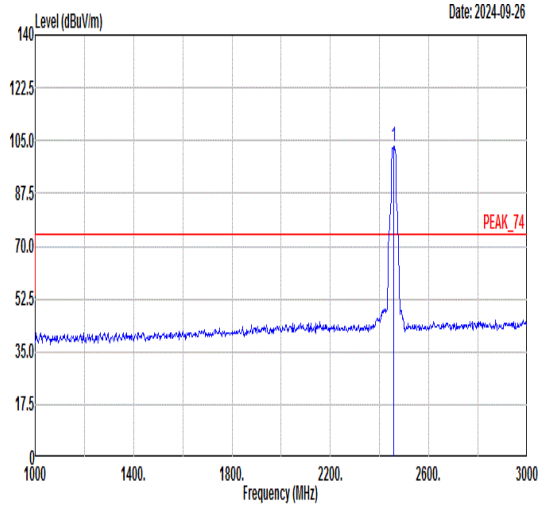
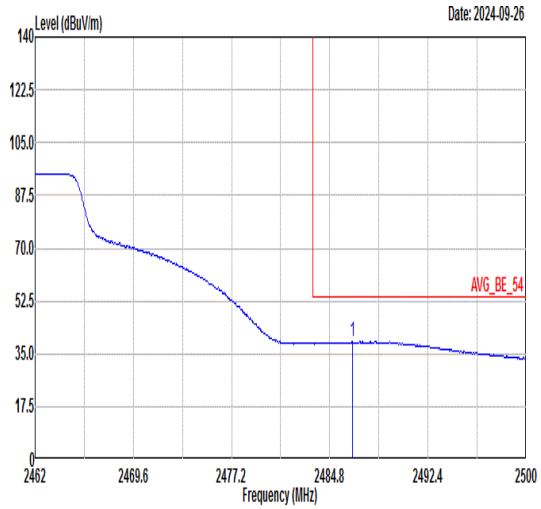
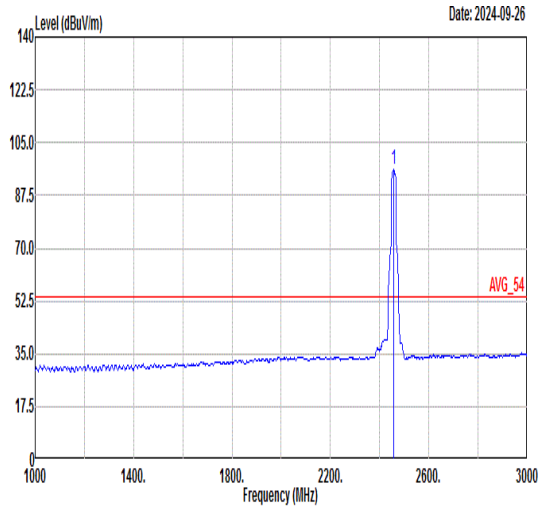
Mode	36	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.51 52.52 74.00 -21.48 49.95 30.70 5.46 33.59 291 127 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 104.17 ------ ------ 101.61 30.71 5.43 33.58 291 127 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.58 40.65 54.00 -13.35 38.08 30.70 5.46 33.59 291 127 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 96.55 ------ ------ 93.98 30.71 5.44 33.58 291 127 AVERAGE

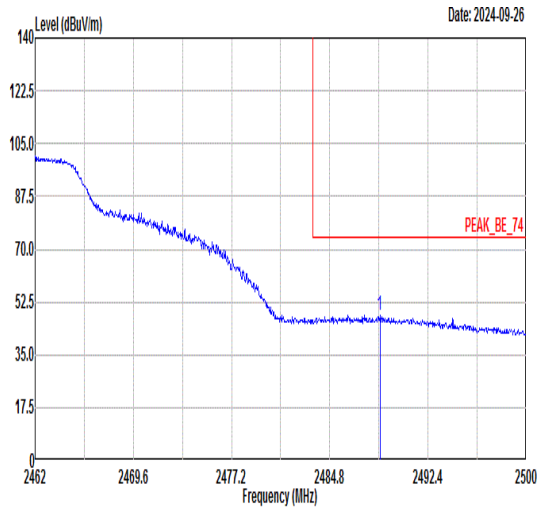
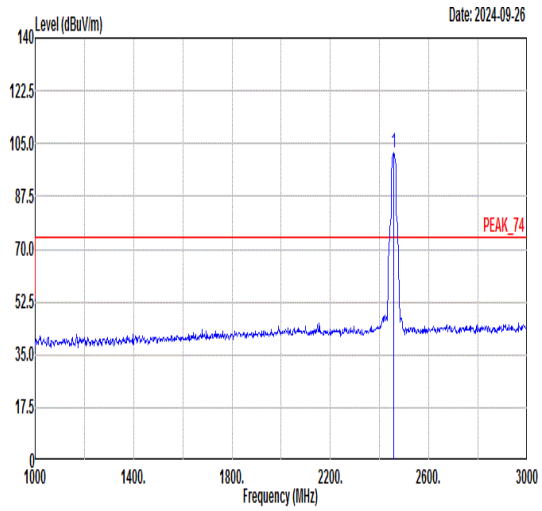
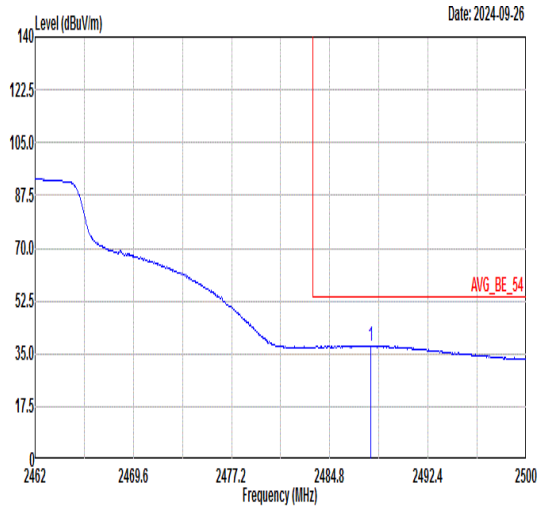
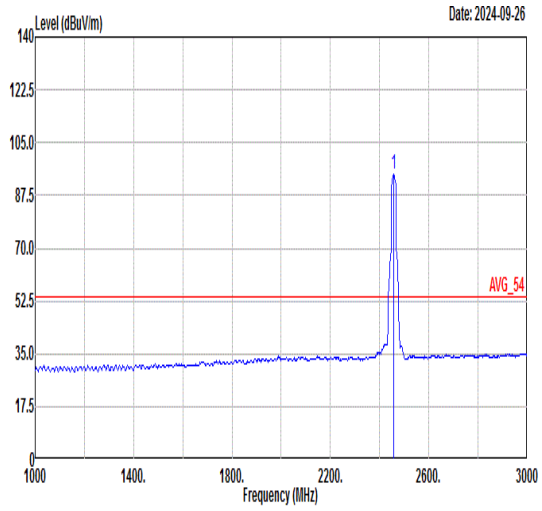
Mode	36	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.58 46.15 74.00 -27.85 43.58 30.70 5.46 33.59 300 171 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 96.79 ------ ------ 94.23 30.71 5.43 33.58 300 171 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.85 35.48 54.00 -18.52 32.91 30.70 5.46 33.59 300 171 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2462.00 89.50 ------ ------ 86.93 30.71 5.44 33.58 300 171 AVERAGE

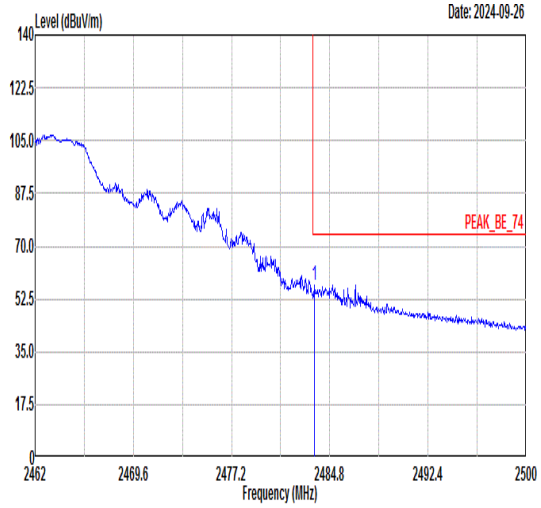
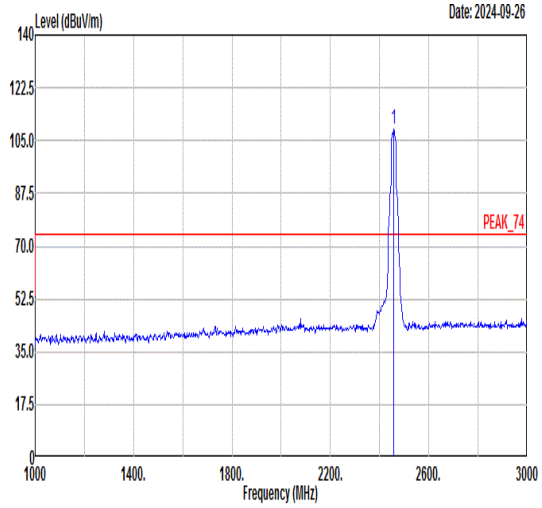
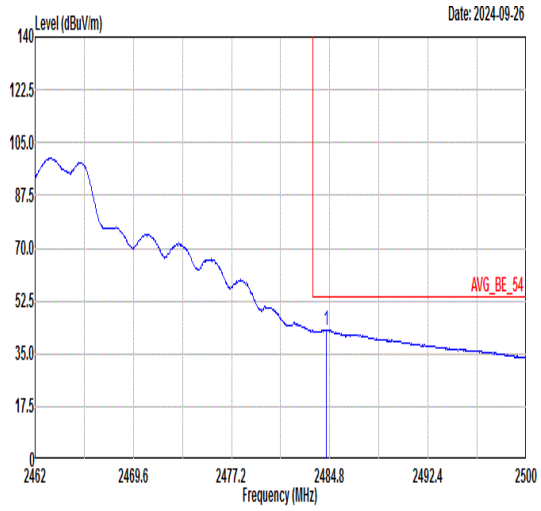
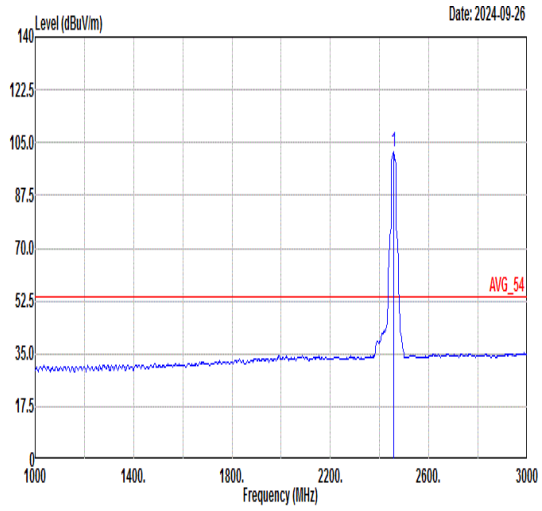
Mode	36	
	Harmonic	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 44.20 74.00 -29.80 52.05 36.02 8.57 52.44 --- --- Peak 2 7386.00 45.00 74.00 -29.00 50.27 36.85 10.18 52.30 --- --- 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 44.58 74.00 -29.42 52.43 36.02 8.57 52.44 --- --- Peak 2 7386.00 46.68 74.00 -27.32 51.95 36.85 10.18 52.30 --- --- Peak

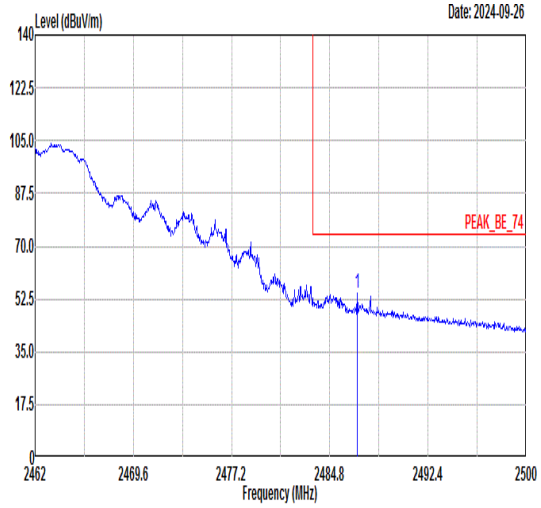
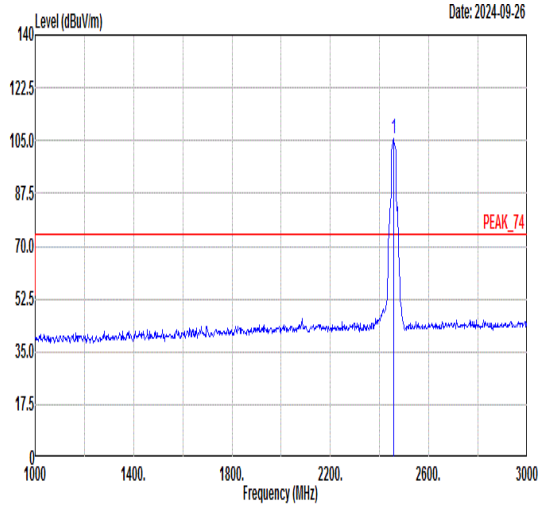
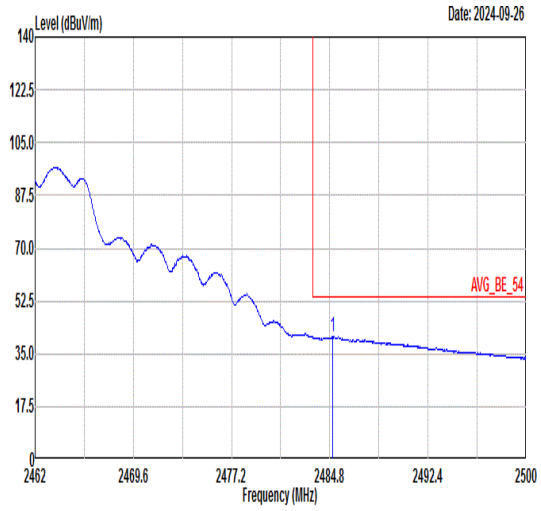
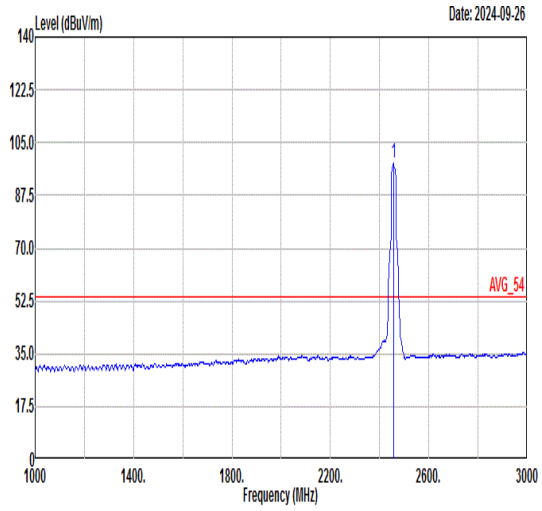
Mode	37	
	Band Edge	
	2400-2483.5_802.11g_CH10_2457MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.81 54.48 74.00 -19.52 51.91 30.70 5.46 33.59 103 133 PEAK	 Freq 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 2457.00 105.21 ------ ------ 102.64 30.71 5.43 33.57 103 133 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 2483.77 41.29 54.00 -12.71 38.72 30.70 5.46 33.59 103 133 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 98.18 ------ ------ 95.61 30.71 5.43 33.57 103 133 AVERAGE

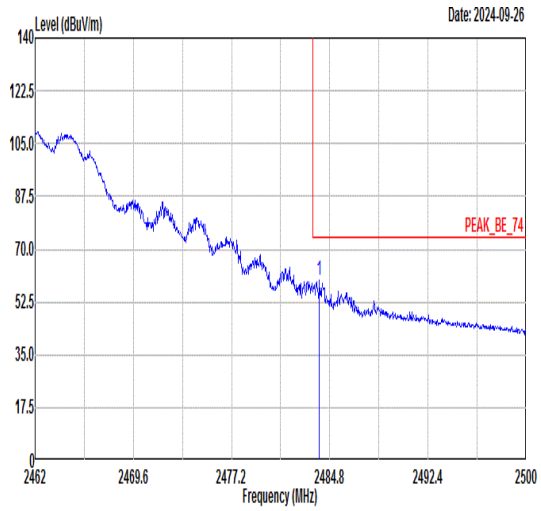
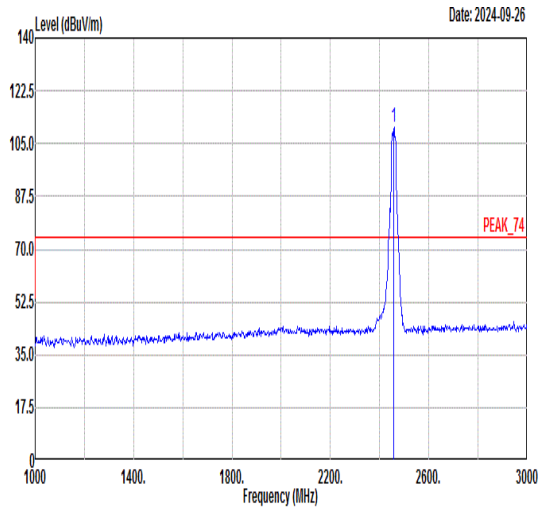
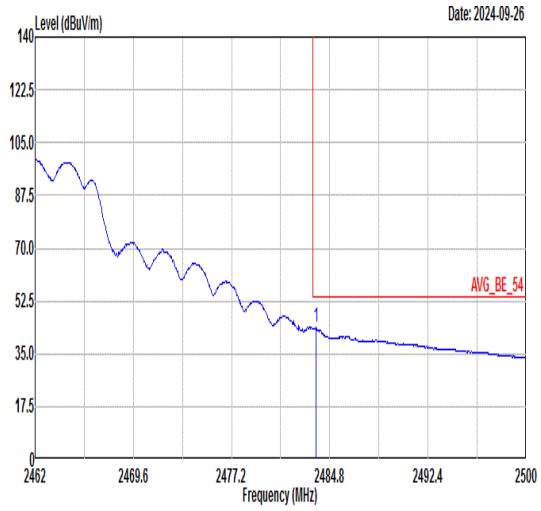
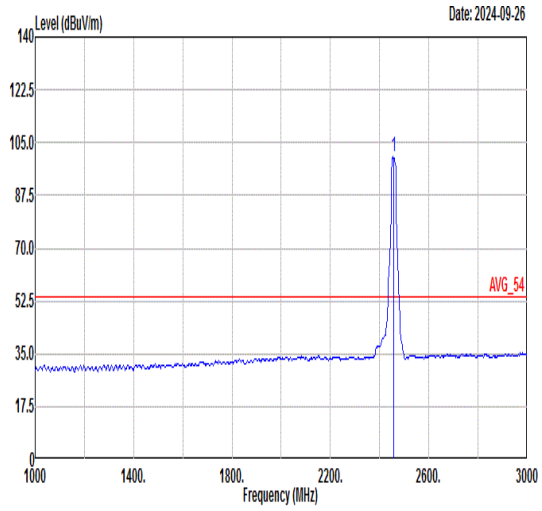
Mode	37	
	Band Edge	
	2400-2483.5_802.11g_CH10_2457MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.62 50.43 74.00 -23.57 47.86 30.70 5.46 33.59 199 193 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2457.00 98.60 ------ ------ 96.03 30.71 5.43 33.57 199 193 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2484.23 38.18 54.00 -15.82 35.61 30.70 5.46 33.59 199 193 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2457.00 91.88 ------ ------ 89.31 30.71 5.43 33.57 199 193 AVERAGE

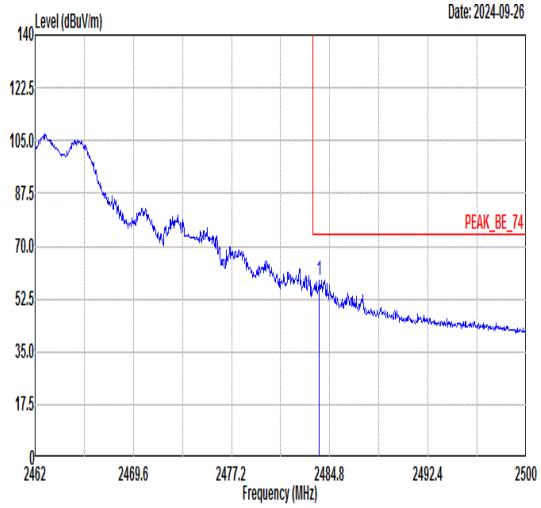
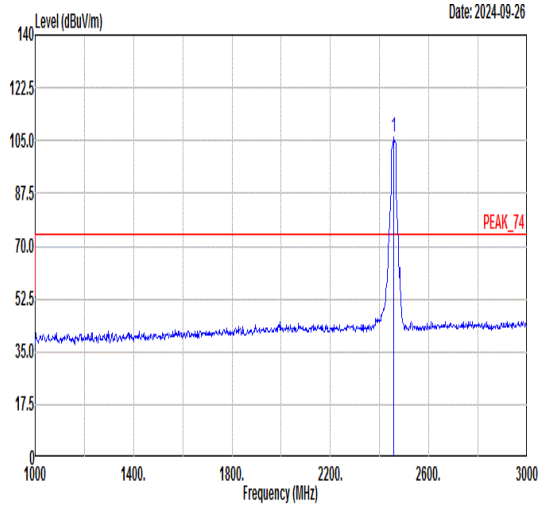
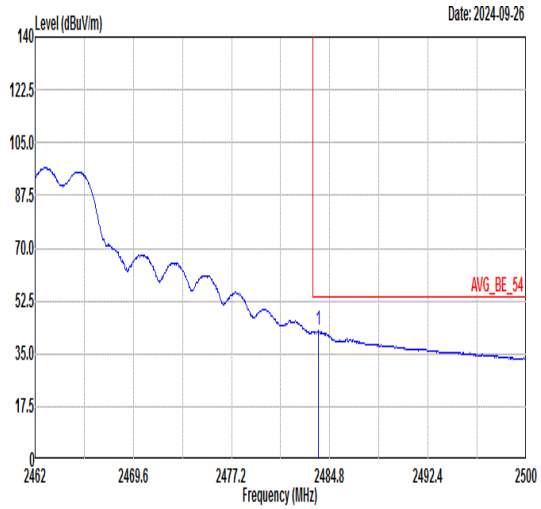
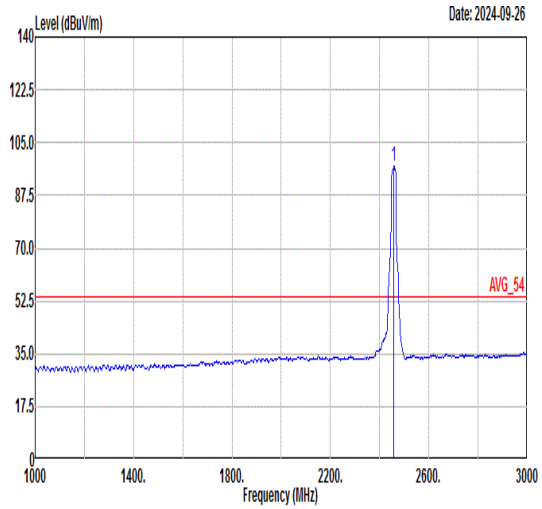
Mode	38	
	Band Edge	
	2400-2483.5_802.11g_CH10_2457MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2489.89 49.63 74.00 -24.37 47.05 30.70 5.47 33.59 348 136 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2457.00 102.93 ------ ------ 100.36 30.71 5.43 33.57 348 136 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2486.55 38.97 54.00 -15.03 36.40 30.70 5.46 33.59 348 136 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2457.00 96.02 ------ ------ 93.45 30.71 5.43 33.57 348 136 AVERAGE

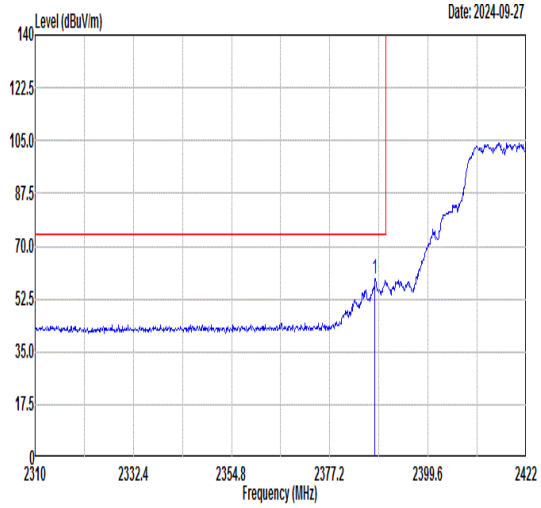
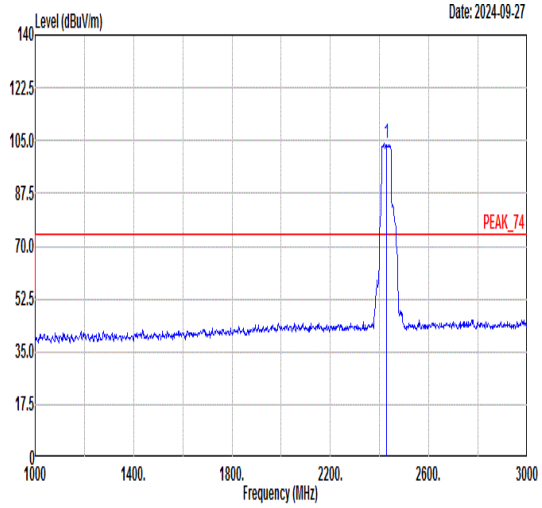
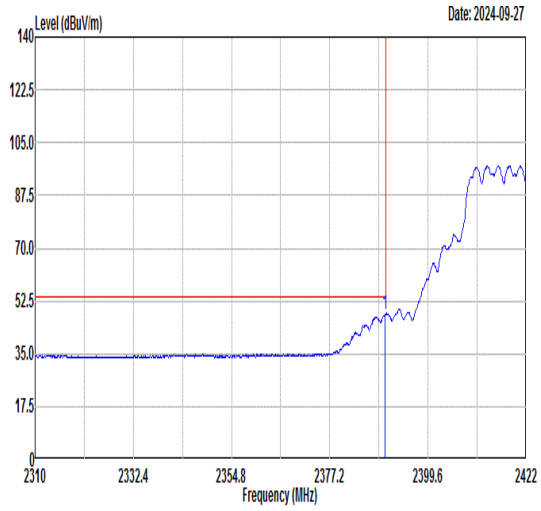
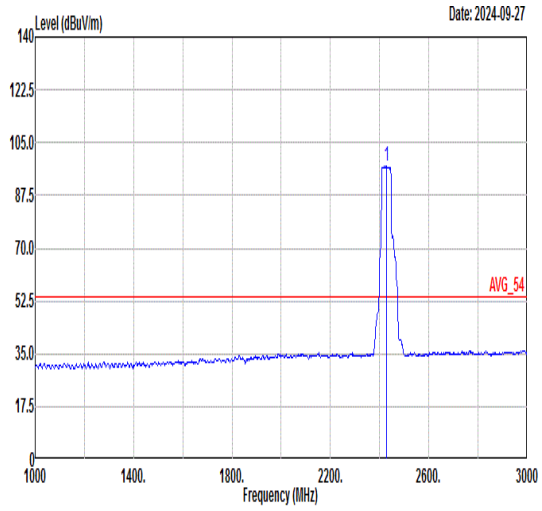
Mode	38	
	Band Edge	
	2400-2483.5_802.11g_CH10_2457MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2488.68 47.98 74.00 -26.02 45.40 30.70 5.47 33.59 200 158 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2457.00 101.74 ------ ------ 99.17 30.71 5.43 33.57 200 158 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2487.95 37.76 54.00 -16.24 35.19 30.70 5.46 33.59 200 158 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2457.00 94.59 ------ ------ 92.02 30.71 5.43 33.57 200 158 AVERAGE

Mode	39	
	Band Edge	
	2400-2483.5_802.11ac VHT20_CH10_2457MHz	
ANT	CDD 0+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 2483.62 56.96 74.00 -17.04 54.39 30.70 5.46 33.59 105 128 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 2457.00 108.61 ------ ------ 106.04 30.71 5.43 33.57 105 128 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 2484.53 42.93 54.00 -11.07 40.36 30.70 5.46 33.59 105 128 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 2457.00 101.83 ------ ------ 99.26 30.71 5.43 33.57 105 128 AVERAGE

Mode	39	
	Band Edge	
	2400-2483.5_802.11ac VHT20_CH10_2457MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2486.93 54.23 74.00 -19.77 51.66 30.70 5.46 33.59 198 177 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2457.00 105.79 ------ ------ 103.22 30.71 5.43 33.57 198 177 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2485.03 40.68 54.00 -13.32 38.11 30.70 5.46 33.59 198 177 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2457.00 98.08 ------ ------ 95.51 30.71 5.43 33.57 198 177 AVERAGE

Mode	40	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH10_2457MHz	
ANT	CDD 0+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 2484.00 59.58 74.00 -14.42 57.01 30.70 5.46 33.59 200 141 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 2457.00 110.19 ------ ------ 107.63 30.71 5.43 33.58 200 141 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 2483.74 43.66 54.00 -10.34 41.09 30.70 5.46 33.59 200 141 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 2457.00 100.16 ------ ------ 97.59 30.71 5.43 33.57 200 141 AVERAGE

Mode	40	
	Band Edge	
	2400-2483.5_802.11ax HE20_CH10_2457MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2484.00 58.84 74.00 -15.16 56.27 30.70 5.46 33.59 143 176 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2457.00 106.21 ------ ------ 103.64 30.71 5.43 33.57 143 176 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2483.93 42.67 54.00 -11.33 40.10 30.70 5.46 33.59 143 176 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2457.00 97.43 ------ ------ 94.86 30.71 5.43 33.57 143 176 AVERAGE

Mode	41	
	Band Edge - L	
	2400-2483.5_802.11ac VHT40_CH04_2427MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2387.50 58.94 74.00 -15.06 56.39 30.72 5.36 33.53 100 130 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2427.00 104.11 ------ ------ 101.55 30.72 5.39 33.55 100 130 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.74 48.26 54.00 -5.74 45.71 30.72 5.36 33.53 100 130 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2427.00 97.29 ------ ------ 94.74 30.71 5.40 33.56 100 130 AVERAGE