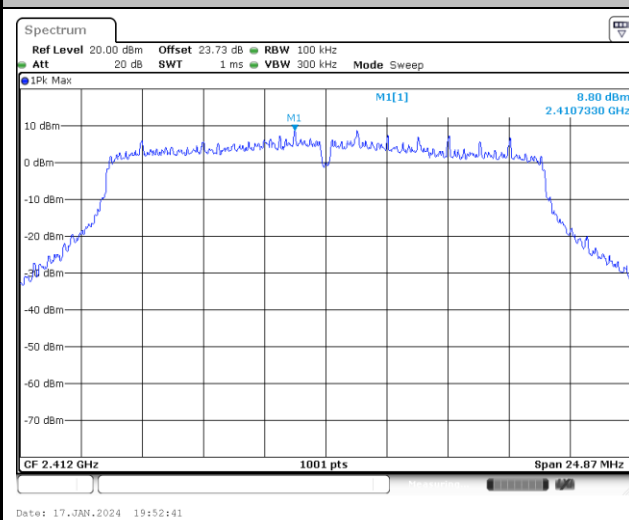




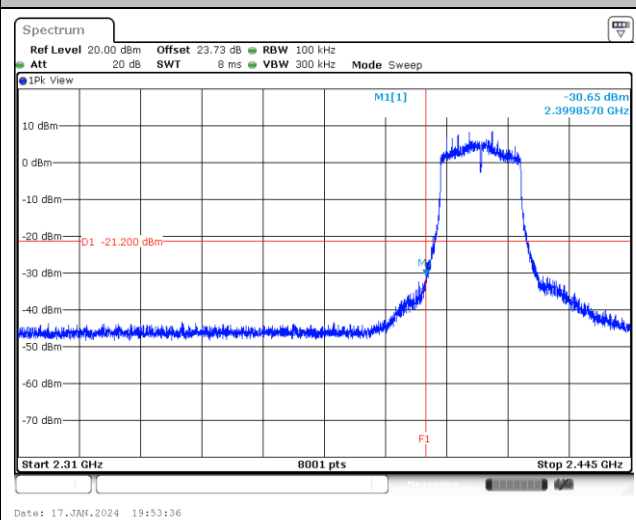
Test Mode : 802.11ac VHT20

Test Channel : 01

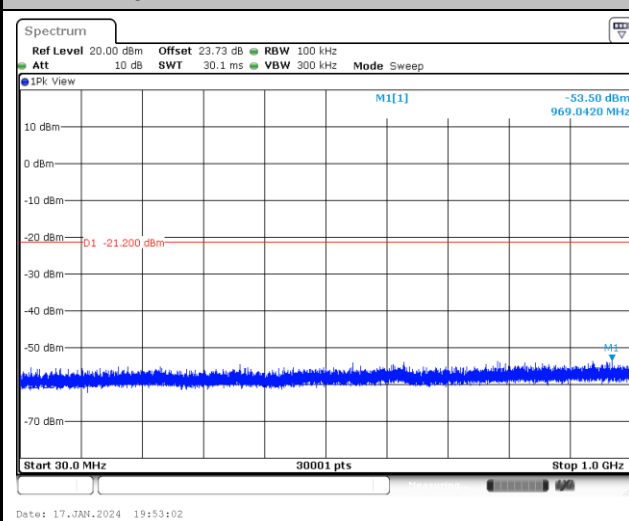
100kHz PSD reference Level



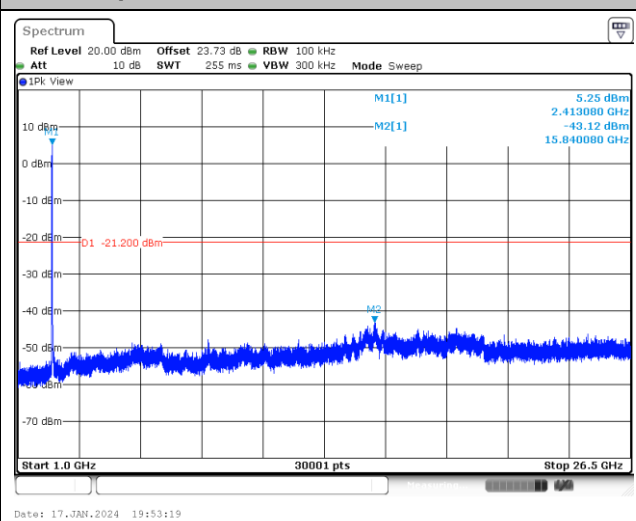
Low Channel Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

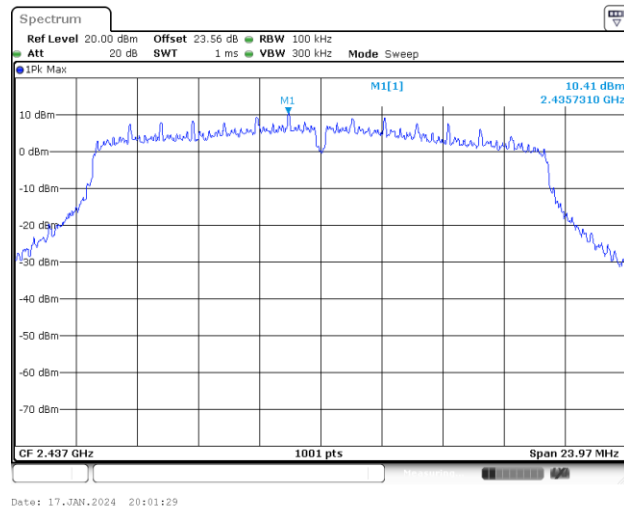




Test Mode : 802.11ac VHT20

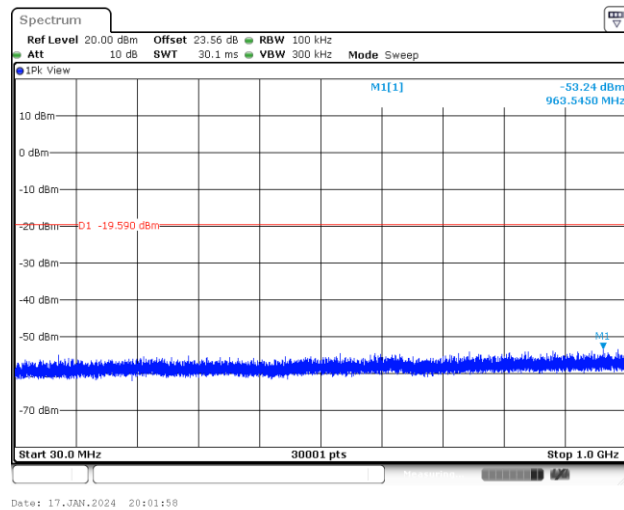
Test Channel : 06

100kHz PSD reference Level

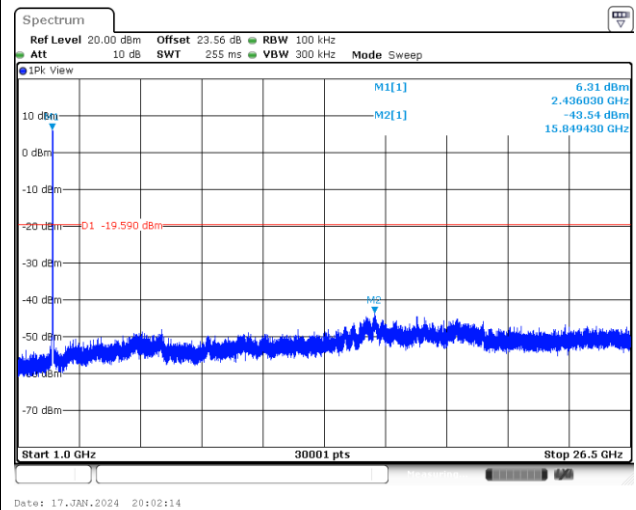


Middle Channel Plot

Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

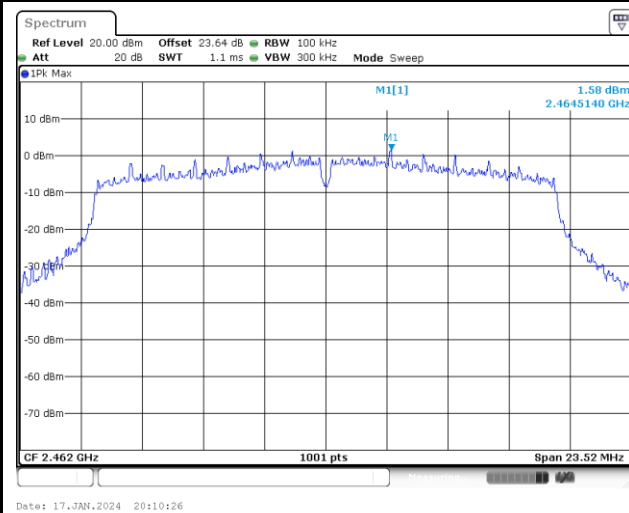




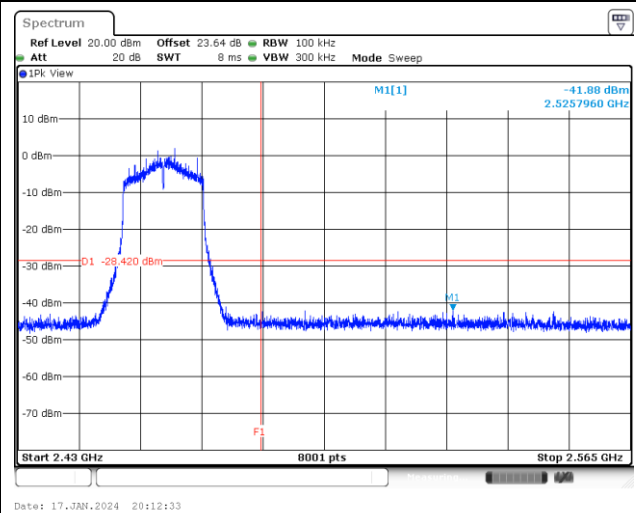
Test Mode : 802.11ac VHT20

Test Channel : 11

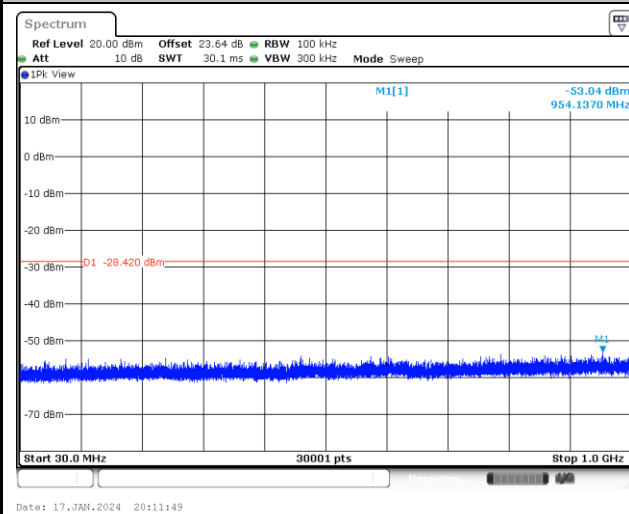
100kHz PSD reference Level



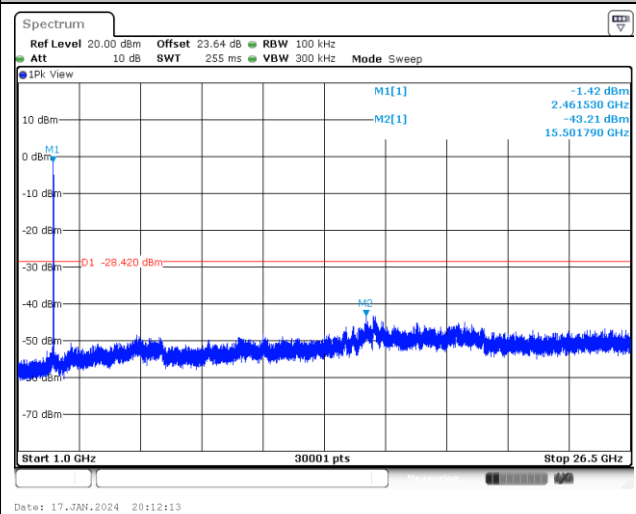
High Channel Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

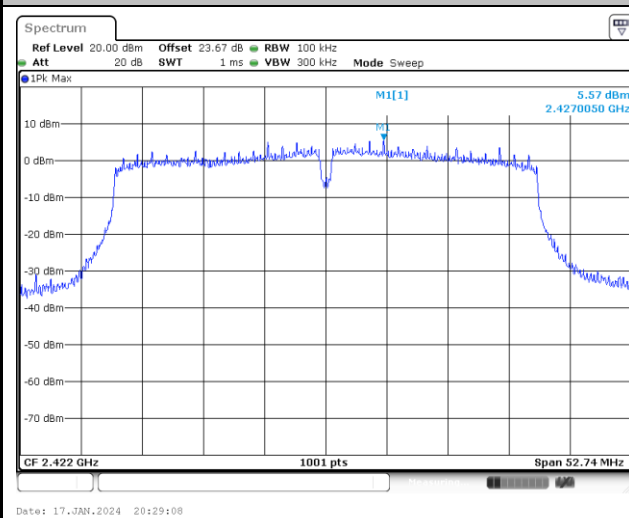




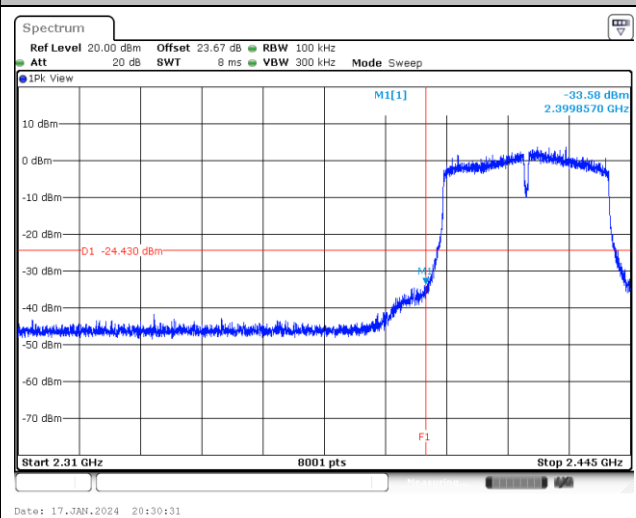
Test Mode : 802.11ac VHT40

Test Channel : 03

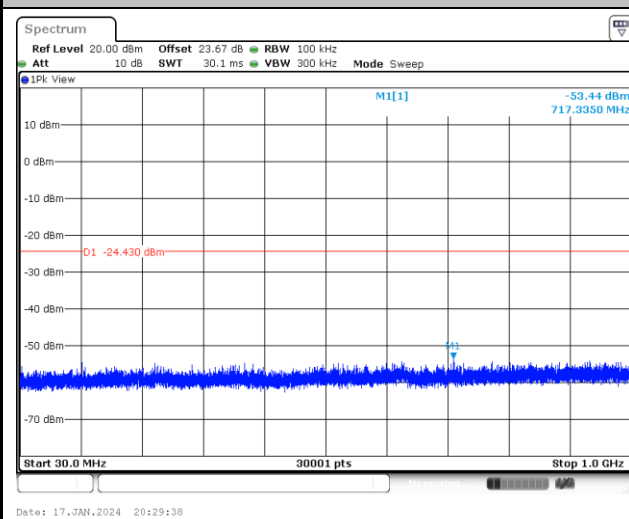
100kHz PSD reference Level



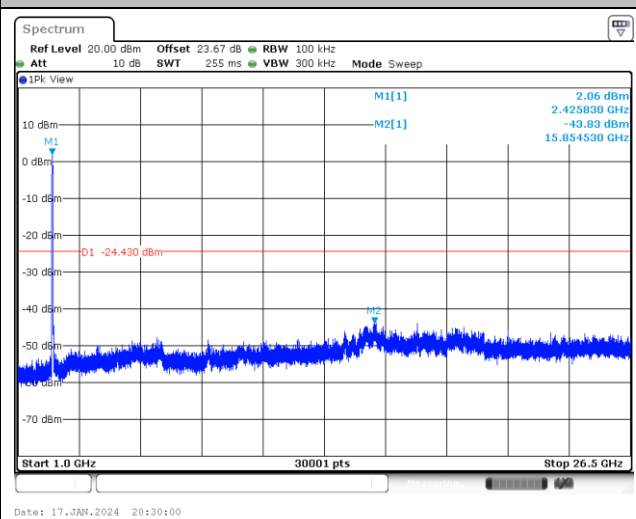
Low Channel Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

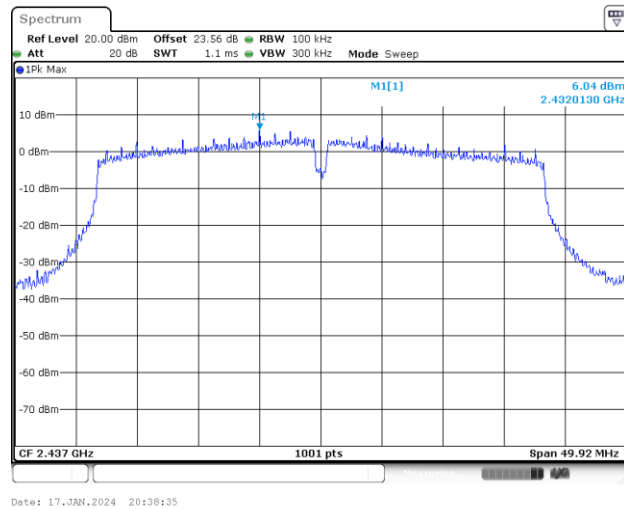




Test Mode : 802.11ac VHT40

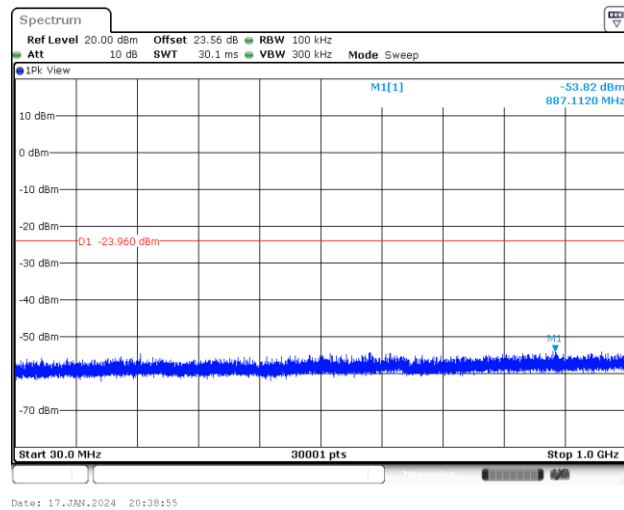
Test Channel : 06

100kHz PSD reference Level

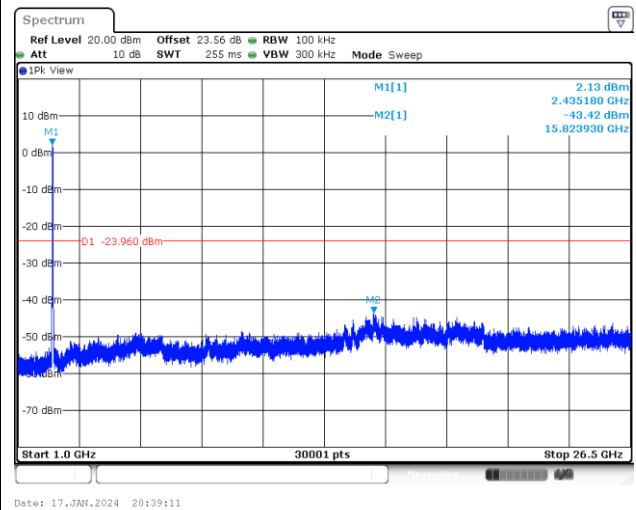


Middle Channel Plot

Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

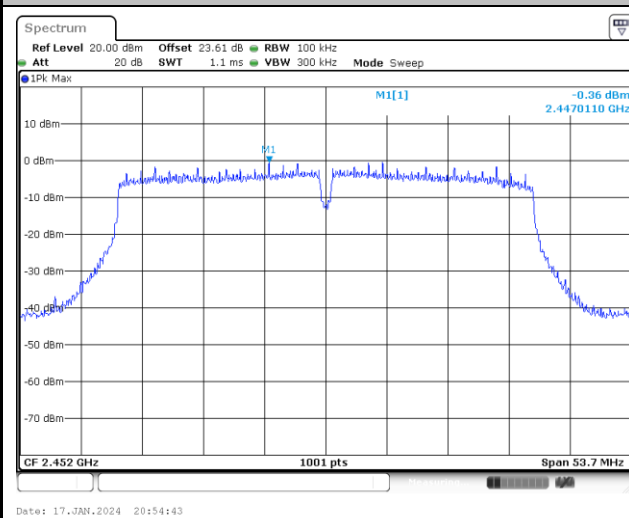




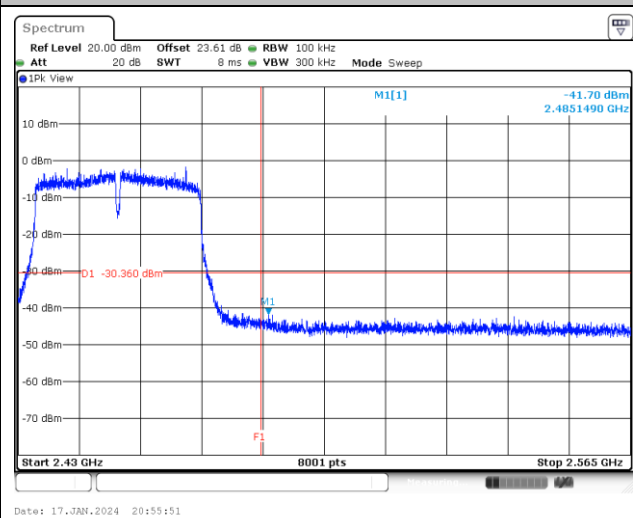
Test Mode : 802.11ac VHT40

Test Channel : 09

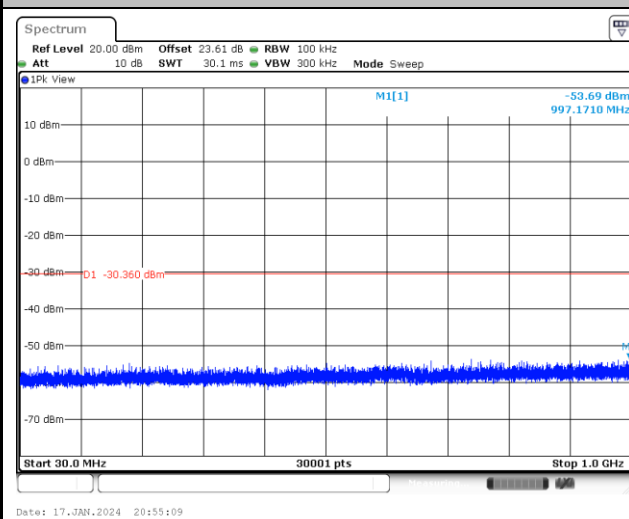
100kHz PSD reference Level



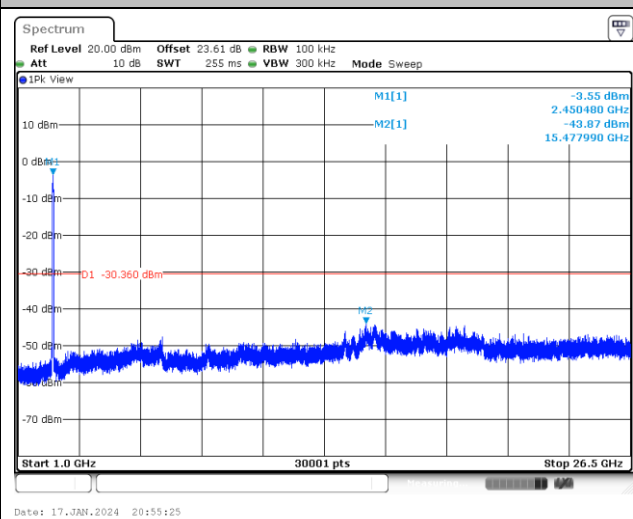
High Channel Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

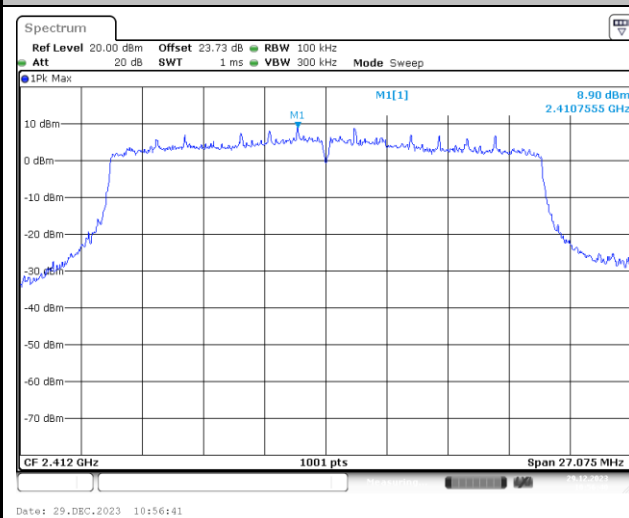




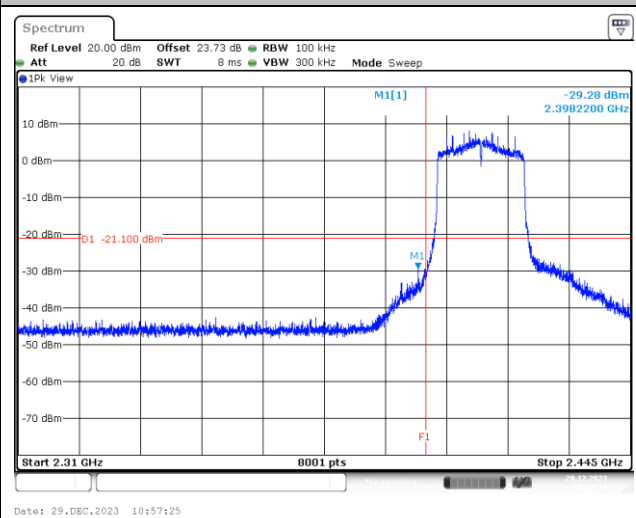
Test Mode : 802.11ax HE20

Test Channel : 01

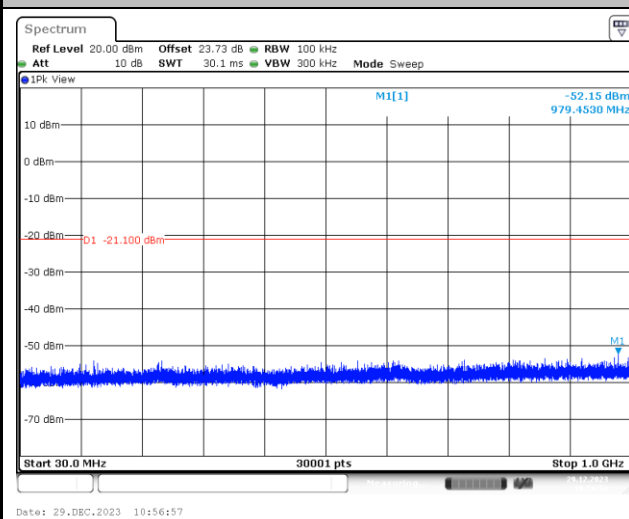
100kHz PSD reference Level



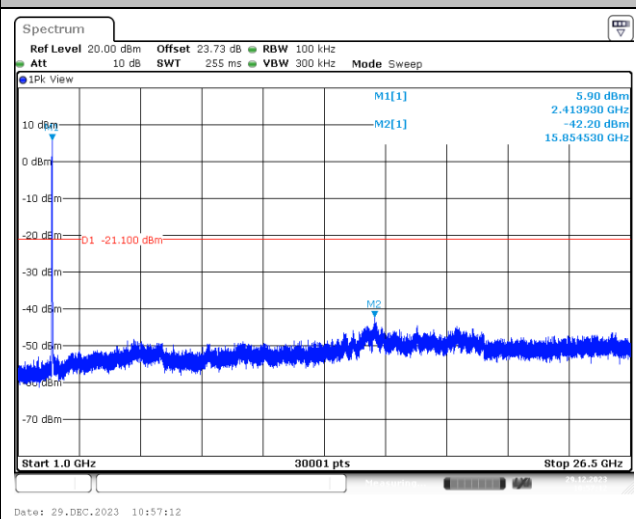
Low Channel Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

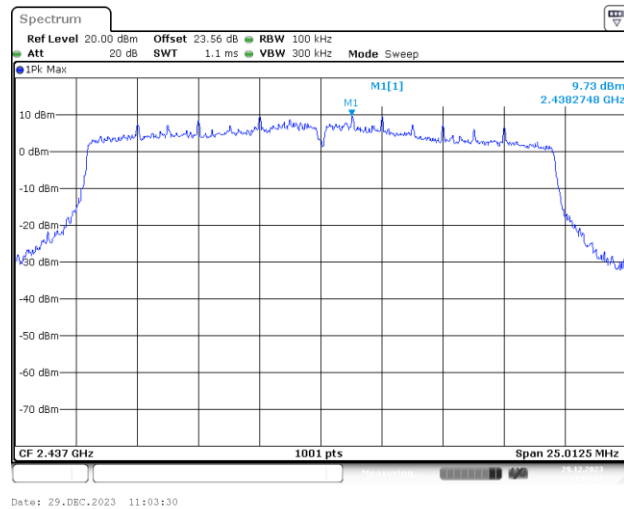




Test Mode : 802.11ax HE20

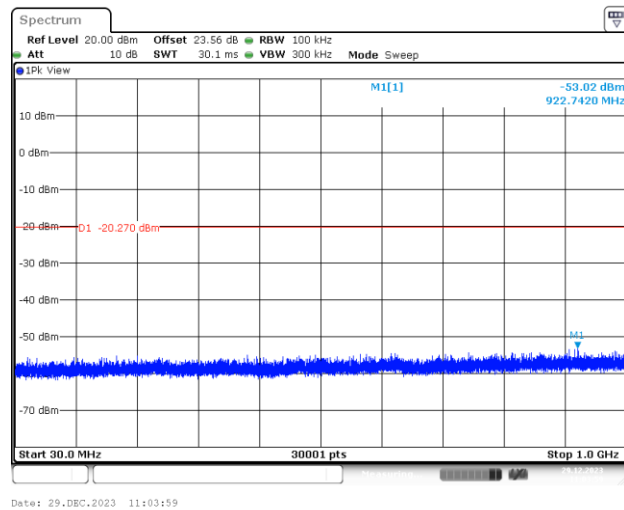
Test Channel : 06

100kHz PSD reference Level

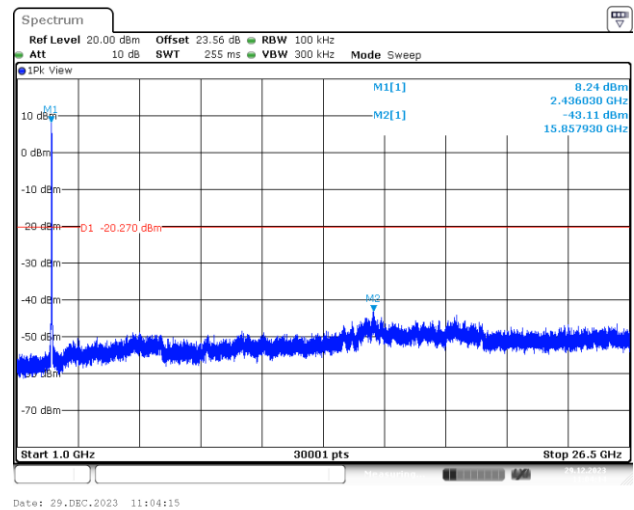


Middle Channel Plot

Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

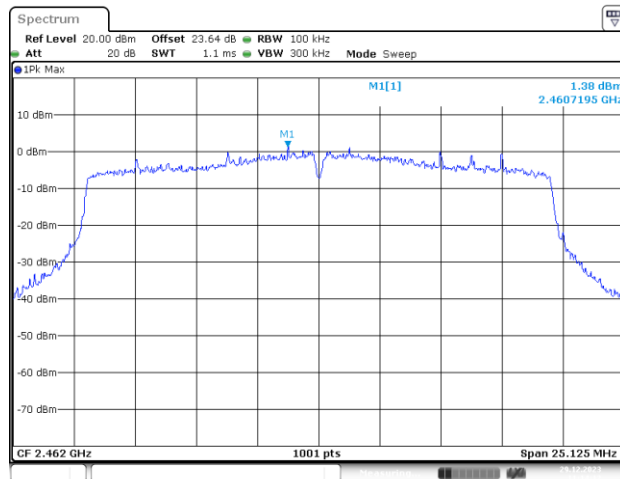




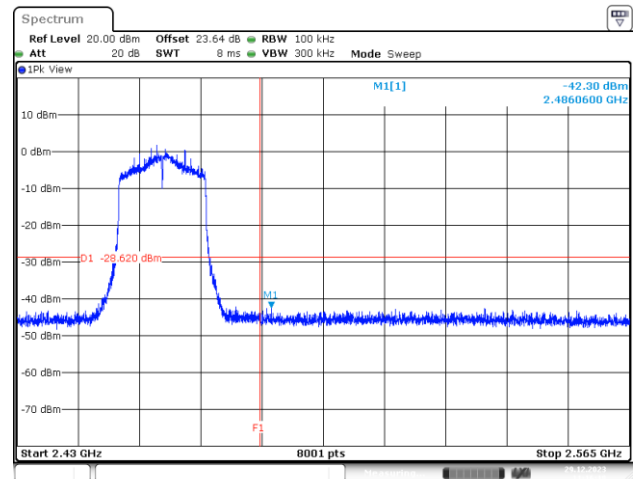
Test Mode : 802.11ax HE20

Test Channel : 11

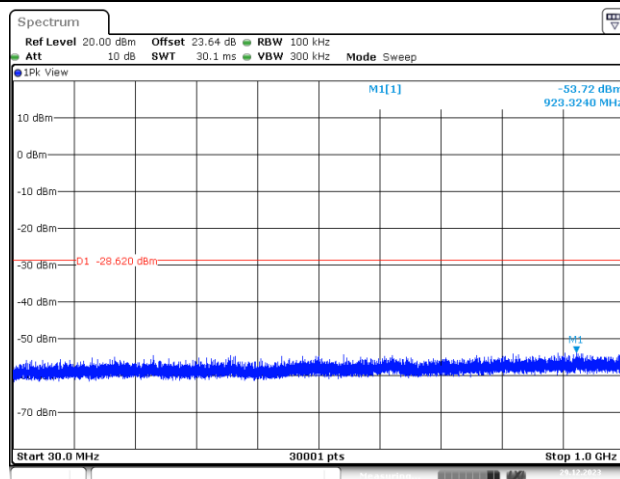
100kHz PSD reference Level



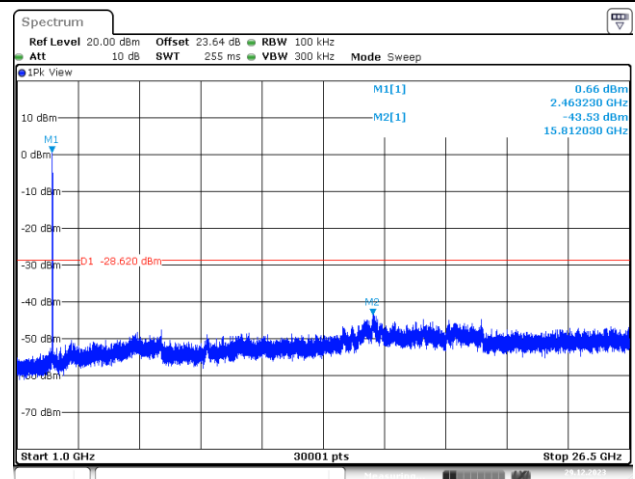
High Channel Plot

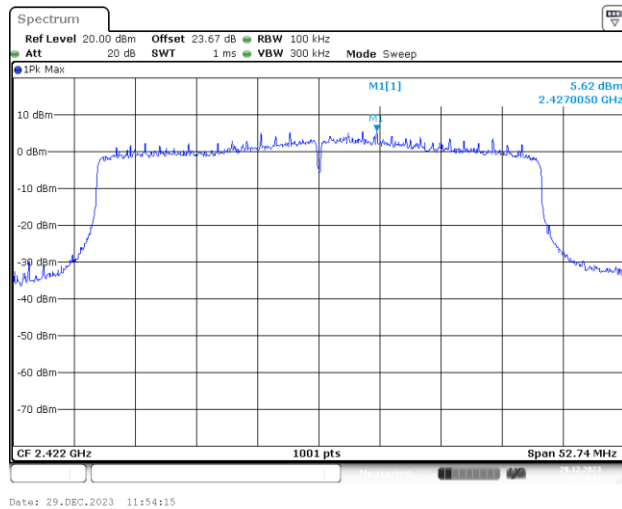
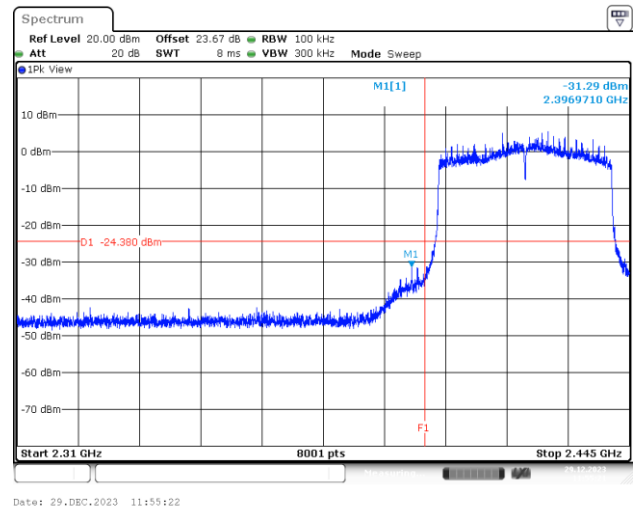
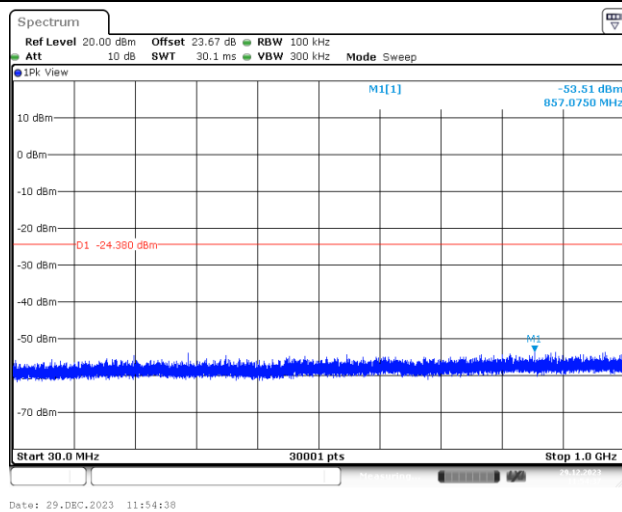
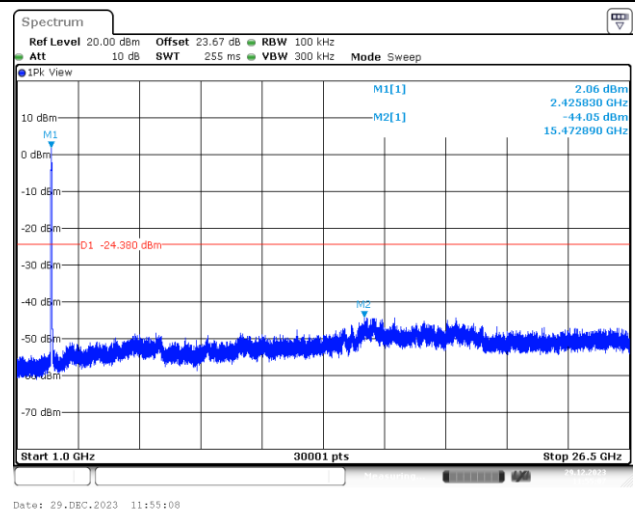


Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz



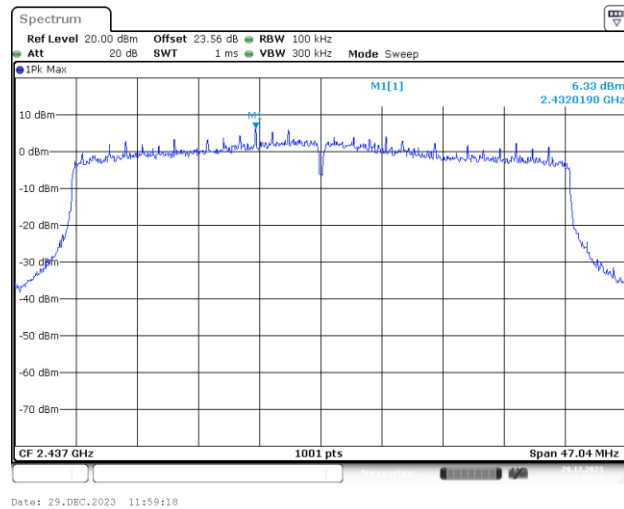
**Test Mode :** 802.11ax HE40**Test Channel :** 03**100kHz PSD reference Level****Low Channel Plot****Spurious Emission 30MHz~1GHz****Spurious Emission 1GHz~26.5GHz**



Test Mode : 802.11ax HE40

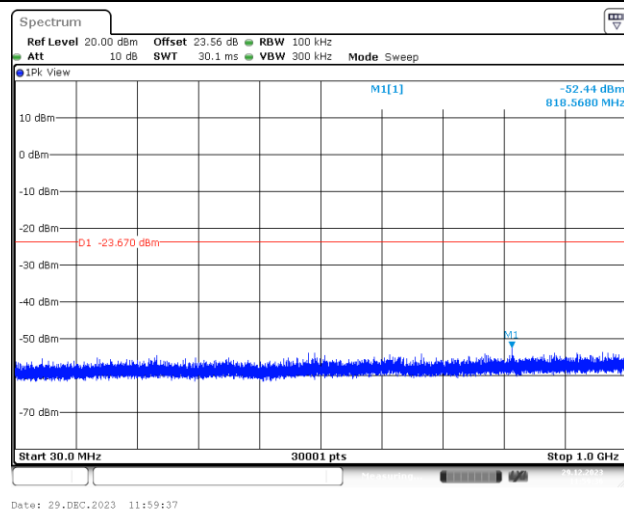
Test Channel : 06

100kHz PSD reference Level

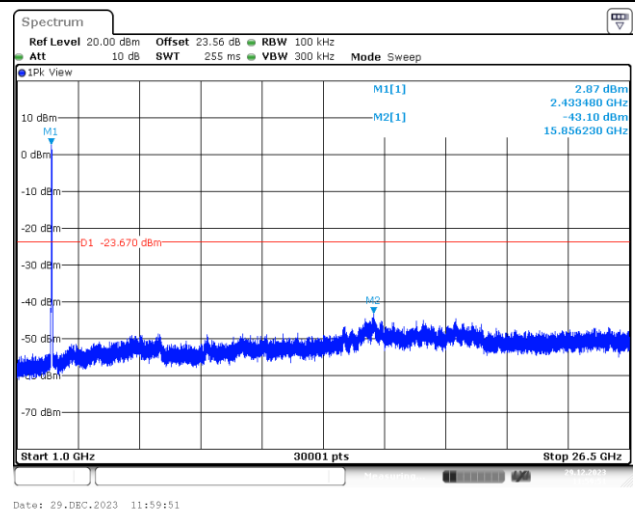


Middle Channel Plot

Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

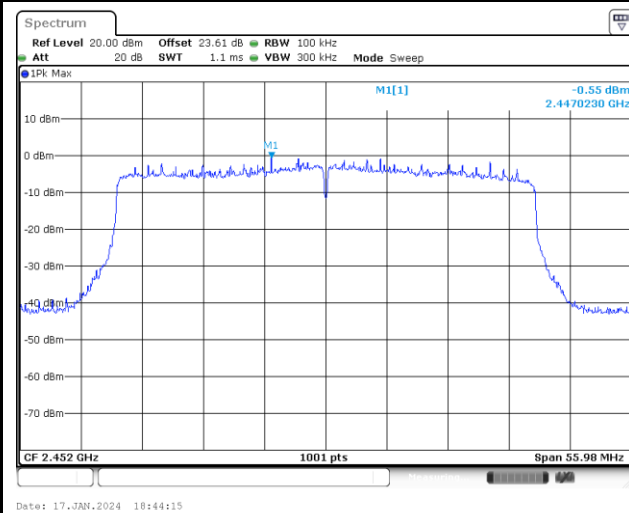




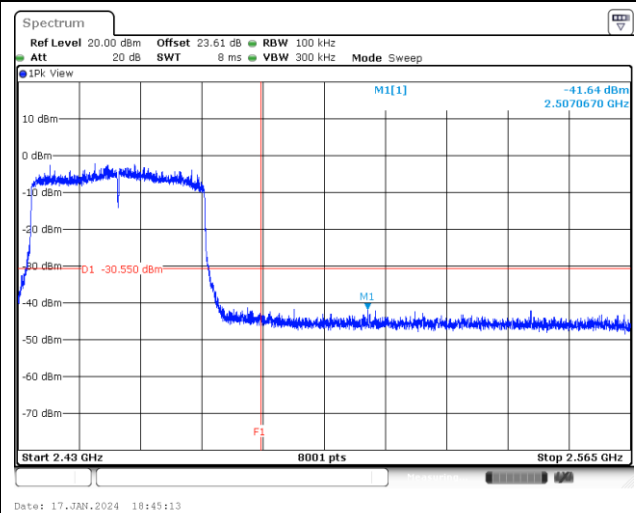
Test Mode : 802.11ax HE40

Test Channel : 09

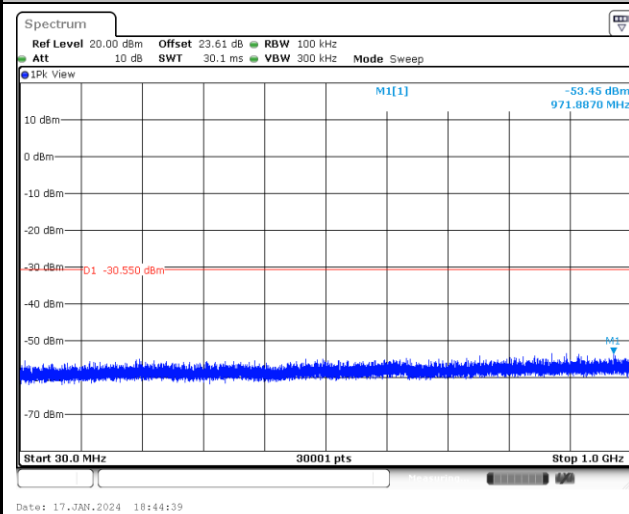
100kHz PSD reference Level



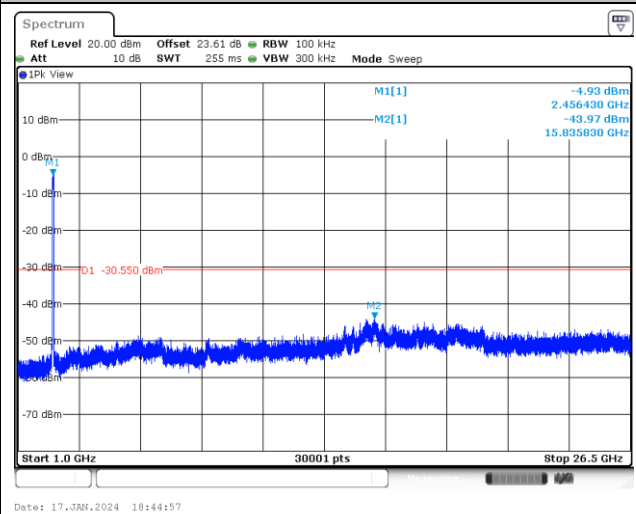
High Channel Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz





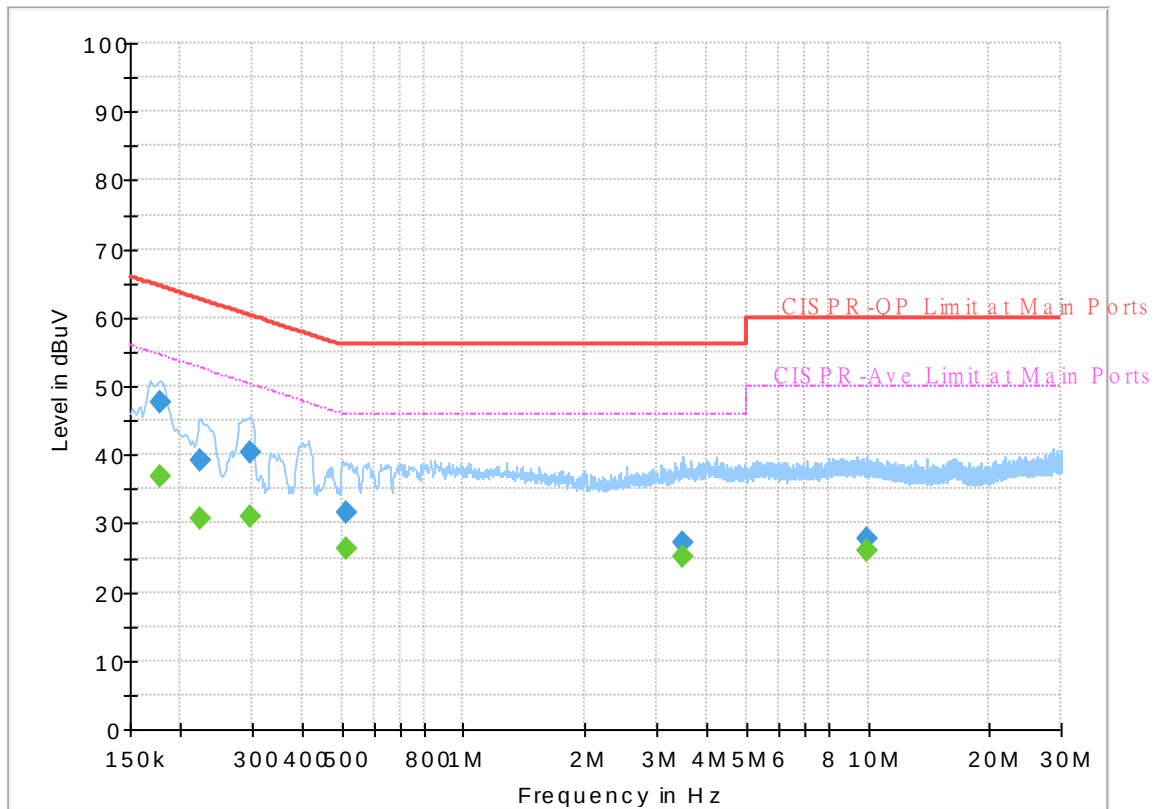
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 3D0601
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



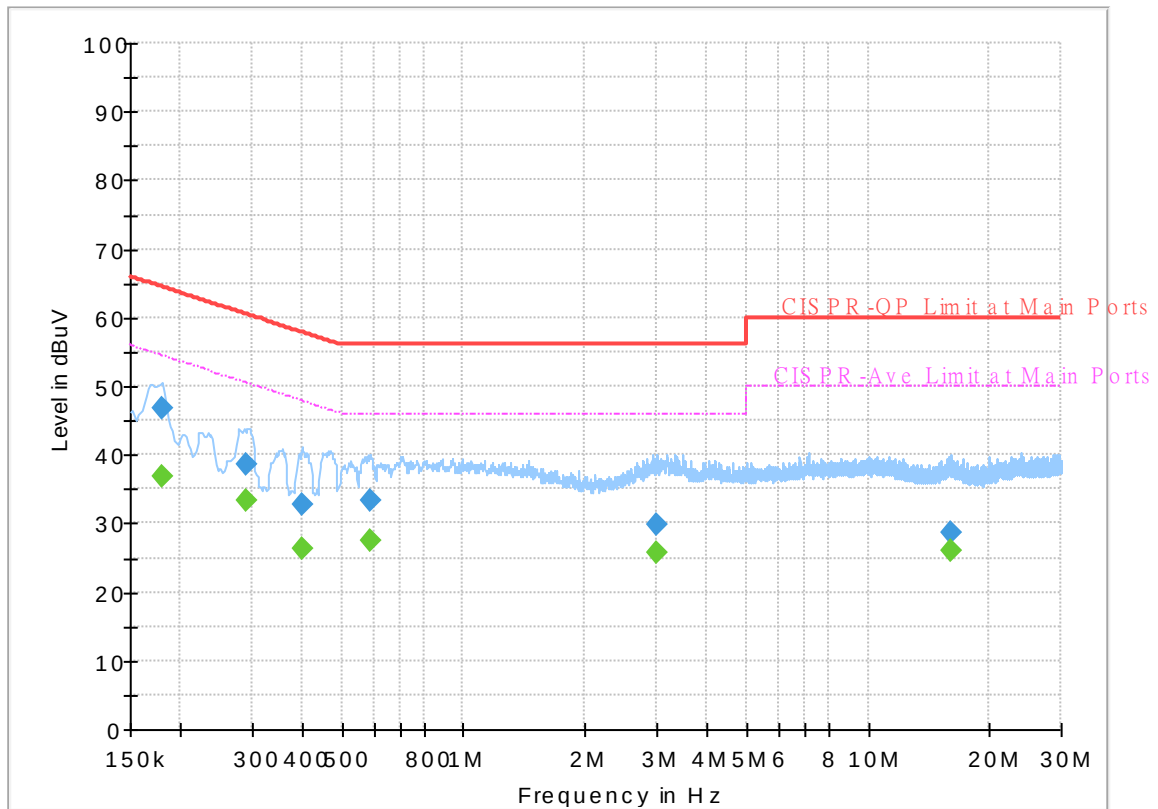
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.177000	---	36.92	54.63	17.71	L1	OFF	19.9
0.177000	47.71	---	64.63	16.92	L1	OFF	19.9
0.224250	---	30.70	52.66	21.96	L1	OFF	19.9
0.224250	39.25	---	62.66	23.41	L1	OFF	19.9
0.298500	---	31.00	50.28	19.28	L1	OFF	19.9
0.298500	40.22	---	60.28	20.06	L1	OFF	19.9
0.514500	---	26.26	46.00	19.74	L1	OFF	19.9
0.514500	31.65	---	56.00	24.35	L1	OFF	19.9
3.482250	---	25.11	46.00	20.89	L1	OFF	20.0
3.482250	27.14	---	56.00	28.86	L1	OFF	20.0
9.912750	---	26.14	50.00	23.86	L1	OFF	20.2
9.912750	27.89	---	60.00	32.11	L1	OFF	20.2

EUT Information

Report NO : 3D0601
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179250	---	36.73	54.52	17.79	N	OFF	19.9
0.179250	46.71	---	64.52	17.81	N	OFF	19.9
0.291750	---	33.20	50.47	17.27	N	OFF	19.9
0.291750	38.63	---	60.47	21.84	N	OFF	19.9
0.397500	---	26.39	47.91	21.52	N	OFF	19.9
0.397500	32.84	---	57.91	25.07	N	OFF	19.9
0.591000	---	27.52	46.00	18.48	N	OFF	19.9
0.591000	33.33	---	56.00	22.67	N	OFF	19.9
3.007500	---	25.71	46.00	20.29	N	OFF	20.0
3.007500	29.92	---	56.00	26.08	N	OFF	20.0
16.026000	---	26.08	50.00	23.92	N	OFF	20.4
16.026000	28.62	---	60.00	31.38	N	OFF	20.4



Appendix C. Radiated Spurious Emission

Test Engineer :	John Chuang, David Dai and Howard Huang	Temperature :	19.3~23.4°C
		Relative Humidity :	65.9~70.3%

<Sample 1>

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2388.645	54.34	-19.66	74	44.7	27.25	18.63	36.24	300	69	P	H
		2387.49	48.88	-5.12	54	39.24	27.25	18.63	36.24	300	69	A	H
	*	2412	115.92	-	-	106.15	27.35	18.67	36.25	300	69	P	H
	*	2412	112.6	-	-	102.83	27.35	18.67	36.25	300	69	A	H
													H
													H
		2387.28	55.99	-18.01	74	46.35	27.25	18.63	36.24	200	310	P	V
		2387.49	49.91	-4.09	54	40.27	27.25	18.63	36.24	200	310	A	V
	*	2412	116.78	-	-	107.01	27.35	18.67	36.25	200	310	P	V
	*	2412	113.63	-	-	103.86	27.35	18.67	36.25	200	310	A	V
													V
													V
802.11b CH 06 2437MHz		2335.12	49.54	-24.46	74	40.14	27.1	18.52	36.22	261	352	P	H
		2389.52	39.11	-14.89	54	29.46	27.26	18.63	36.24	261	352	A	H
	*	2437	115.19	-	-	105.28	27.45	18.72	36.26	261	352	P	H
	*	2437	112.11	-	-	102.2	27.45	18.72	36.26	261	352	A	H
		2486.56	52.87	-21.13	74	42.68	27.65	18.82	36.28	261	352	P	H
		2488.08	42.54	-11.46	54	32.34	27.65	18.83	36.28	261	352	A	H
		2388.72	49.93	-24.07	74	40.29	27.25	18.63	36.24	135	309	P	V
		2389.36	39.41	-14.59	54	29.76	27.26	18.63	36.24	135	309	A	V
	*	2437	115.2	-	-	105.29	27.45	18.72	36.26	135	309	P	V
	*	2437	112.14	-	-	102.23	27.45	18.72	36.26	135	309	A	V
		2483.76	51.96	-22.04	74	41.77	27.64	18.82	36.27	135	309	P	V
		2484	42.27	-11.73	54	32.08	27.64	18.82	36.27	135	309	A	V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 11 2462MHz	*	2462	113.47	-	-	103.42	27.55	18.77	36.27	300	38	P	H
	*	2462	110.27	-	-	100.22	27.55	18.77	36.27	300	38	A	H
		2487.64	57.3	-16.7	74	47.1	27.65	18.83	36.28	300	38	P	H
		2486.8	51.19	-2.81	54	41	27.65	18.82	36.28	300	38	A	H
													H
													H
	*	2462	114.47	-	-	104.42	27.55	18.77	36.27	250	313	P	V
	*	2462	111.25	-	-	101.2	27.55	18.77	36.27	250	313	A	V
		2486.44	58.05	-15.95	74	47.86	27.65	18.82	36.28	250	313	P	V
		2486.76	52.19	-1.81	54	42	27.65	18.82	36.28	250	313	A	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

[illegible]



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 06 2437MHz		4874	49.41	-24.59	74	41.38	32.5	13.09	37.56	350	246	P	H
		4874	44.53	-9.47	54	36.5	32.5	13.09	37.56	350	246	A	H
		7311	52.83	-21.17	74	38.66	36.9	15.88	38.61	150	335	P	H
		7311	44.15	-9.85	54	29.98	36.9	15.88	38.61	150	335	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		4874	47.54	-26.46	74	39.51	32.5	13.09	37.56	400	310	P	V
		4874	39.93	-14.07	54	31.9	32.5	13.09	37.56	400	310	A	V
		7311	53.17	-20.83	74	39	36.9	15.88	38.61	200	16	P	V
		7311	45.19	-8.81	54	31.02	36.9	15.88	38.61	200	16	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11b CH 11 2462MHz		4924	47.34	-26.66	74	38.97	32.74	13.23	37.6	-	-	P	H	
		7386	50.47	-23.53	74	36.48	36.68	15.98	38.67	100	225	P	H	
		7386	42.28	-11.72	54	28.29	36.68	15.98	38.67	100	225	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			4924	46.16	-27.84	74	37.79	32.74	13.23	37.6	-	-	P	V
			7386	49.45	-24.55	74	35.46	36.68	15.98	38.67	278	333	P	V
			7386	43.84	-10.16	54	29.85	36.68	15.98	38.67	278	333	A	V
														V
														V
														V
														V
														V
														V
														V
													V	
													V	
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.485	58.9	-15.1	74	49.25	27.26	18.63	36.24	350	344	P	H
		2390	48.7	-5.3	54	39.05	27.26	18.63	36.24	350	344	A	H
	*	2412	116.51	-	-	106.74	27.35	18.67	36.25	350	344	P	H
	*	2412	109.38	-	-	99.61	27.35	18.67	36.25	350	344	A	H
													H
													H
		2390	61.88	-12.12	74	52.23	27.26	18.63	36.24	100	320	P	V
		2389.905	51.89	-2.11	54	42.24	27.26	18.63	36.24	100	320	A	V
	*	2412	119.15	-	-	109.38	27.35	18.67	36.25	100	320	P	V
	*	2412	111.82	-	-	102.05	27.35	18.67	36.25	100	320	A	V
													V
													V
802.11g CH 06 2437MHz		2390	52.35	-21.65	74	42.7	27.26	18.63	36.24	296	350	P	H
		2390	40.74	-13.26	54	31.09	27.26	18.63	36.24	296	350	A	H
	*	2437	116.95	-	-	107.04	27.45	18.72	36.26	296	350	P	H
	*	2437	109.4	-	-	99.49	27.45	18.72	36.26	296	350	A	H
		2485.28	63.45	-10.55	74	53.26	27.64	18.82	36.27	296	350	P	H
		2483.68	51.56	-2.44	54	41.38	27.63	18.82	36.27	296	350	A	H
		2386	49.95	-24.05	74	40.33	27.24	18.62	36.24	124	83	P	V
		2390	39.77	-14.23	54	30.12	27.26	18.63	36.24	124	83	A	V
	*	2437	116.77	-	-	106.86	27.45	18.72	36.26	124	83	P	V
	*	2437	109.07	-	-	99.16	27.45	18.72	36.26	124	83	A	V
		2483.84	63.36	-10.64	74	53.17	27.64	18.82	36.27	124	83	P	V
		2483.6	51.3	-2.7	54	41.12	27.63	18.82	36.27	124	83	A	V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 11 2462MHz	*	2462	111.04	-	-	100.99	27.55	18.77	36.27	300	345	P	H
	*	2462	103.53	-	-	93.48	27.55	18.77	36.27	300	345	A	H
		2483.52	59.26	-14.74	74	49.08	27.63	18.82	36.27	300	345	P	H
		2483.52	48.49	-5.51	54	38.31	27.63	18.82	36.27	300	345	A	H
													H
													H
	*	2462	113.5	-	-	103.45	27.55	18.77	36.27	144	306	P	V
	*	2462	106.21	-	-	96.16	27.55	18.77	36.27	144	306	A	V
		2483.64	64.32	-9.68	74	54.14	27.63	18.82	36.27	144	306	P	V
		2483.52	52.67	-1.33	54	42.49	27.63	18.82	36.27	144	306	A	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

[illegible]



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 06 2437MHz		4874	44.74	-29.26	74	36.71	32.5	13.09	37.56	-	-	P	H
		7311	55.03	-18.97	74	40.86	36.9	15.88	38.61	168	360	P	H
		7311	44	-10	54	29.83	36.9	15.88	38.61	168	360	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4874	44.21	-29.79	74	36.18	32.5	13.09	37.56	-	-	P	V
		7311	53.76	-20.24	74	39.59	36.9	15.88	38.61	300	316	P	V
		7311	43.51	-10.49	54	29.34	36.9	15.88	38.61	300	316	A	V
													V
													V
													V
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													V
													V

[illegible]



2.4GHz 2400~2483.5MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 01 2412MHz		2389.695	60.44	-13.56	74	50.79	27.26	18.63	36.24	363	0	P	H
		2390	50.19	-3.81	54	40.54	27.26	18.63	36.24	363	0	A	H
	*	2412	116.95	-	-	107.18	27.35	18.67	36.25	363	0	P	H
	*	2412	107.5	-	-	97.73	27.35	18.67	36.25	363	0	A	H
													H
													H
		2390	62.86	-11.14	74	53.21	27.26	18.63	36.24	100	319	P	V
		2390	52.51	-1.49	54	42.86	27.26	18.63	36.24	100	319	A	V
	*	2412	119.28	-	-	109.51	27.35	18.67	36.25	100	319	P	V
	*	2412	110.47	-	-	100.7	27.35	18.67	36.25	100	319	A	V
													V
													V
802.11ax HE20 Full CH 06 2437MHz		2389.36	50.9	-23.1	74	41.25	27.26	18.63	36.24	295	350	P	H
		2390	41	-13	54	31.35	27.26	18.63	36.24	295	350	A	H
	*	2437	117.06	-	-	107.15	27.45	18.72	36.26	295	350	P	H
	*	2437	108.4	-	-	98.49	27.45	18.72	36.26	295	350	A	H
		2484.4	66.07	-7.93	74	55.88	27.64	18.82	36.27	295	350	P	H
		2483.52	52.61	-1.39	54	42.43	27.63	18.82	36.27	295	350	P	H
		2390	54.07	-19.93	74	44.42	27.26	18.63	36.24	150	315	P	V
		2390	42.32	-11.68	54	32.67	27.26	18.63	36.24	150	315	A	V
	*	2437	119.92	-	-	110.01	27.45	18.72	36.26	150	315	P	V
	*	2437	110.83	-	-	100.92	27.45	18.72	36.26	150	315	A	V
		2483.6	67.38	-6.62	74	57.2	27.63	18.82	36.27	150	315	P	V
		2484.56	51.47	-2.53	54	41.28	27.64	18.82	36.27	150	315	A	V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 11 2462MHz	*	2462	110.04	-	-	99.99	27.55	18.77	36.27	297	350	P	H
	*	2462	101.83	-	-	91.78	27.55	18.77	36.27	297	350	A	H
		2483.92	63.14	-10.86	74	52.95	27.64	18.82	36.27	297	350	P	H
		2483.52	51.74	-2.26	54	41.56	27.63	18.82	36.27	297	350	A	H
													H
													H
	*	2462	111.4	-	-	101.35	27.55	18.77	36.27	150	313	P	V
	*	2462	102.55	-	-	92.5	27.55	18.77	36.27	150	313	A	V
		2483.92	64.94	-9.06	74	54.75	27.64	18.82	36.27	150	313	P	V
		2483.52	52.86	-1.14	54	42.68	27.63	18.82	36.27	150	313	A	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

[illegible]



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 06 2437MHz		4874	44.63	-29.37	74	36.6	32.5	13.09	37.56	-	-	P	H
		7311	53.73	-20.27	74	39.56	36.9	15.88	38.61	106	339	P	H
		7311	42.3	-11.7	54	28.13	36.9	15.88	38.61	106	339	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4874	44.07	-29.93	74	36.04	32.5	13.09	37.56	-	-	P	V
		7311	55.13	-18.87	74	40.96	36.9	15.88	38.61	100	315	P	V
		7311	43.4	-10.6	54	29.23	36.9	15.88	38.61	100	315	A	V
													V
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													V
													V
													V

[illegible]



2.4GHz 2400~2483.5MHz

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 01 2412MHz		2389.905	72.21	-1.79	74	62.56	27.26	18.63	36.24	176	11	P	H
		2389.8	50.15	-3.85	54	40.5	27.26	18.63	36.24	176	11	A	H
	*	2412	115.78	-	-	106.01	27.35	18.67	36.25	176	11	P	H
	*	2412	106.73	-	-	96.96	27.35	18.67	36.25	176	11	A	H
													H
													H
		2390	72.35	-1.65	74	62.7	27.26	18.63	36.24	100	320	P	V
		2390	50.16	-3.84	54	40.51	27.26	18.63	36.24	100	320	A	V
	*	2412	116.82	-	-	107.05	27.35	18.67	36.25	100	320	P	V
	*	2412	108.4	-	-	98.63	27.35	18.67	36.25	100	320	A	V
													V
													V
802.11ax HE20 Partial 106/53 CH 11 2462MHz	*	2462	112.19	-	-	102.14	27.55	18.77	36.27	290	349	P	H
	*	2462	103.73	-	-	93.68	27.55	18.77	36.27	290	349	A	H
		2483.6	70.03	-3.97	74	59.85	27.63	18.82	36.27	290	349	P	H
		2486.5	47.11	-6.89	54	36.92	27.65	18.82	36.28	290	349	A	H
													H
													H
	*	2462	115.69	-	-	105.64	27.55	18.77	36.27	122	289	P	V
	*	2462	106.4	-	-	96.35	27.55	18.77	36.27	122	289	A	V
		2483.65	70.06	-3.94	74	59.88	27.63	18.82	36.27	122	289	P	V
		2483.55	49.37	-4.63	54	39.19	27.63	18.82	36.27	122	289	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

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

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 03 2422MHz		2389.84	58.39	-15.61	74	48.74	27.26	18.63	36.24	241	40	P	H
		2390	47.79	-6.21	54	38.14	27.26	18.63	36.24	241	40	A	H
	*	2422	115.06	-	-	105.23	27.39	18.69	36.25	241	40	P	H
	*	2422	105.19	-	-	95.36	27.39	18.69	36.25	241	40	A	H
		2484.24	61.75	-12.25	74	51.56	27.64	18.82	36.27	241	40	P	H
		2483.52	49.29	-4.71	54	39.11	27.63	18.82	36.27	241	40	A	H
		2389.52	61.89	-12.11	74	52.24	27.26	18.63	36.24	120	307	P	V
		2389.84	50.78	-3.22	54	41.13	27.26	18.63	36.24	120	307	A	V
	*	2422	115.42	-	-	105.57	27.4	18.7	36.25	120	307	P	V
	*	2422	106.94	-	-	97.09	27.4	18.7	36.25	120	307	A	V
		2485.84	63.99	-10.01	74	53.81	27.64	18.82	36.28	120	307	P	V
		2484.56	50.84	-3.16	54	40.65	27.64	18.82	36.27	120	307	P	V
802.11ax HE40 Full CH 06 2437MHz		2390	56.14	-17.86	74	46.49	27.26	18.63	36.24	300	346	P	H
		2390	46.91	-7.09	54	37.26	27.26	18.63	36.24	300	346	A	H
	*	2437	113.49	-	-	103.56	27.46	18.73	36.26	300	346	P	H
	*	2437	104.47	-	-	94.55	27.45	18.73	36.26	300	346	A	H
		2484.72	65.26	-8.74	74	55.07	27.64	18.82	36.27	300	346	P	H
		2483.68	52.35	-1.65	54	42.17	27.63	18.82	36.27	300	346	A	H
		2390	57.82	-16.18	74	48.17	27.26	18.63	36.24	125	289	P	V
		2390	48.33	-5.67	54	38.68	27.26	18.63	36.24	125	289	A	V
	*	2437	116.24	-	-	106.33	27.45	18.72	36.26	125	289	P	V
	*	2437	107.6	-	-	97.69	27.45	18.72	36.26	125	289	A	V
		2487.68	64.92	-9.08	74	54.72	27.65	18.83	36.28	125	289	P	V
		2483.52	52.55	-1.45	54	42.37	27.63	18.82	36.27	125	289	A	V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 09 2452MHz		2371.76	50.19	-23.81	74	40.65	27.19	8.56	36.24	300	348	P	H
		2371.12	39.1	-14.9	54	29.57	27.18	8.56	36.24	300	348	A	H
	*	2452	108.58	-	-	98.58	27.51	8.72	36.26	300	348	P	H
	*	2452	99.16	-	-	89.16	27.51	8.72	36.26	300	348	A	H
		2486.4	62.28	-11.72	74	52.09	27.65	8.79	36.28	300	348	P	H
		2484.88	52.08	-1.92	54	41.89	27.64	8.79	36.27	300	348	A	H
		2387.44	49.86	-24.14	74	40.22	27.25	8.6	36.24	150	83	P	V
		2367.44	38.89	-15.11	54	29.36	27.17	8.56	36.23	150	83	A	V
	*	2452	108.21	-	-	98.21	27.51	8.72	36.26	150	83	P	V
	*	2452	99.45	-	-	89.45	27.51	8.72	36.26	150	83	A	V
		2484	63.83	-10.17	74	53.64	27.64	8.79	36.27	150	83	P	V
		2483.6	51.68	-2.32	54	41.5	27.63	8.79	36.27	150	83	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

[illegible]



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 06 2437MHz		4874	44.46	-29.54	74	36.43	32.5	13.09	37.56	-	-	P	H
		7311	49.83	-24.17	74	35.66	36.9	15.88	38.61	159	339	P	H
		7311	39.65	-14.35	54	25.48	36.9	15.88	38.61	159	339	A	H
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													H
		4874	43.32	-30.68	74	35.29	32.5	13.09	37.56	-	-	P	V
		7311	49.88	-24.12	74	35.71	36.9	15.88	38.61	100	316	P	V
		7311	39.68	-14.32	54	25.51	36.9	15.88	38.61	100	316	A	V
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WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 09 2452MHz		4904	44.06	-29.94	74	35.91	32.62	13.12	37.59	-	-	P	H
		7356	47.91	-26.09	74	33.68	36.86	16.01	38.64	-	-	P	H
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2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 09 2452MHz		2355.76	49.44	-24.56	74	39.99	27.12	8.53	36.23	300	346	P	H
		2371.12	39.07	-14.93	54	29.54	27.18	8.56	36.24	300	346	A	H
	*	2452	110.13	-	-	100.13	27.51	8.72	36.26	300	346	P	H
	*	2452	100.28	-	-	90.28	27.51	8.72	36.26	300	346	A	H
		2483.84	65.36	-8.64	74	55.17	27.64	8.79	36.27	300	346	P	H
		2483.52	52.1	-1.9	54	41.92	27.63	8.79	36.27	300	346	A	H
		2342.16	50.63	-23.37	74	41.22	27.1	8.51	36.23	150	314	P	V
		2388.88	39.23	-14.77	54	29.58	27.26	8.6	36.24	150	314	A	V
	*	2452	110.12	-	-	100.12	27.51	8.72	36.26	150	314	P	V
	*	2452	101.57	-	-	91.57	27.51	8.72	36.26	150	314	A	V
		2484.32	63.35	-10.65	74	53.16	27.64	8.79	36.27	150	314	P	V
		2483.52	50.48	-3.52	54	40.3	27.63	8.79	36.27	150	314	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

2.4GHz WIFI 802.11ax HE20 (SHF)

[illegible]

Emission below 1GHz

2.4GHz WIFI 802.11ax HE20 (LF)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11ax HE20 LF		87.63	26.41	-13.59	40	45.59	14.52	1.83	35.53	-	-	P	H
		93.24	30.2	-13.3	43.5	48.75	15.08	1.89	35.52	-	-	P	H
		151.89	26.42	-17.08	43.5	42.2	17.24	2.4	35.42	-	-	P	H
		264	32.01	-13.99	46	43.82	20.31	3.07	35.19	-	-	P	H
		841.6	33.66	-12.34	46	32.72	28.92	5.43	33.41	-	-	P	H
		972	35.5	-18.5	54	31.71	30.81	5.85	32.87	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		46.49	28.42	-11.58	40	46.28	16.31	1.4	35.57	100	116	Q	V
		88.82	31.24	-12.26	43.5	50.27	14.65	1.85	35.53	-	-	P	V
		126.9	24.83	-18.67	43.5	40.38	17.69	2.22	35.46	-	-	P	V
		348.8	24.9	-21.1	46	35.91	20.4	3.53	34.94	-	-	P	V
		640	29.3	-16.7	46	32.35	26.36	4.74	34.15	-	-	P	V
		950.4	36.48	-9.52	46	32.9	30.79	5.77	32.98	-	-	P	V
													V
													V
													V
													V
													V
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



<Sample 3>

2.4GHz 2400~2483.5MHz

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

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 11 2462MHz	*	2462	113.09	-	-	102.96	27.55	18.85	36.27	300	354	P	H
	*	2462	102.81	-	-	92.68	27.55	18.85	36.27	300	354	A	H
		2483.72	66.18	-7.82	74	55.93	27.63	18.89	36.27	300	354	P	H
		2483.72	52.36	-1.64	54	42.11	27.63	18.89	36.27	300	354	A	H
													H
													H
	*	2462	106.5	-	-	96.37	27.55	18.85	36.27	100	76	P	V
	*	2462	97.37	-	-	87.24	27.55	18.85	36.27	100	76	A	V
		2483.72	60.82	-13.18	74	50.57	27.63	18.89	36.27	100	76	P	V
		2483.52	48.71	-5.29	54	38.46	27.63	18.89	36.27	100	76	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

[illegible]

Emission above 18GHz

2.4GHz WIFI 802.11ax HE20 (SHF)

[illegible]

Emission below 1GHz

2.4GHz WIFI 802.11ax HE20 (LF)

[illegible]



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is Margin line.
P/A	Peak or Average
H/V	Horizontal or Vertical



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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)

2. Level(dBμV/m) =

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

3. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	John Chuang, David Dai and Howard Huang	Temperature :	19.3~23.4°C
		Relative Humidity :	65.9~70.3%

Note symbol

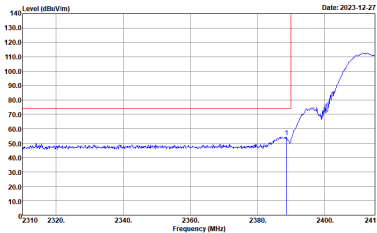
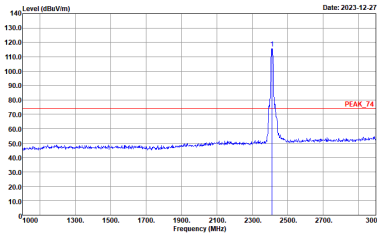
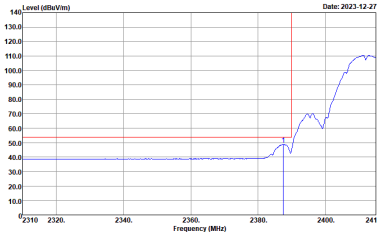
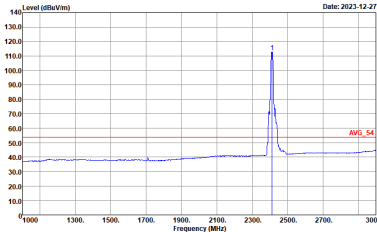
-L	Low channel location
-R	High channel location



<Sample 1>

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.200KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.200KHz SWT:Auto

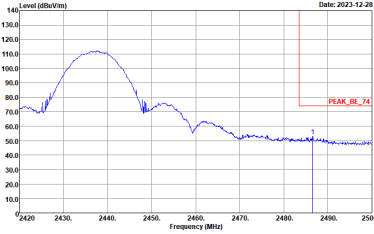
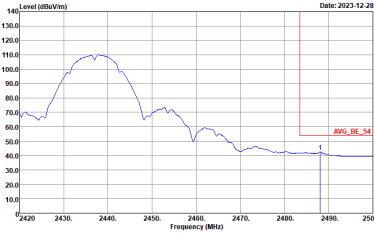


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:0.200kHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:0.200kHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
6+7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_85_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_85_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.200KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.200KHz SWT:Auto

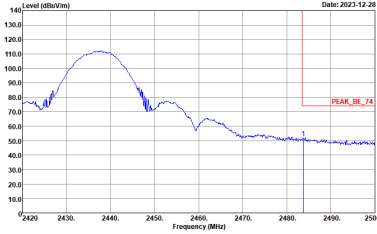
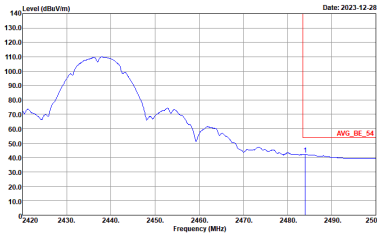


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

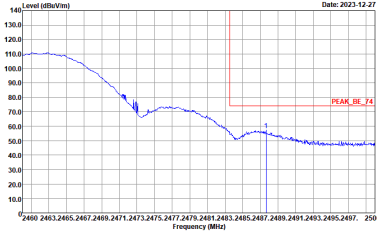
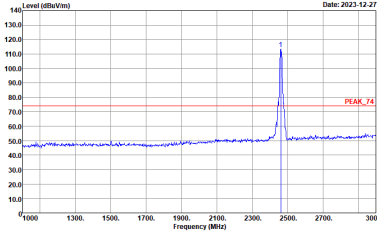
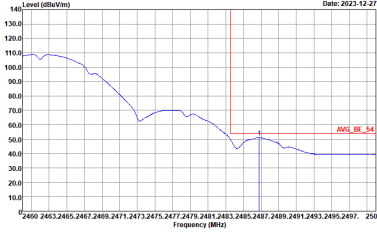
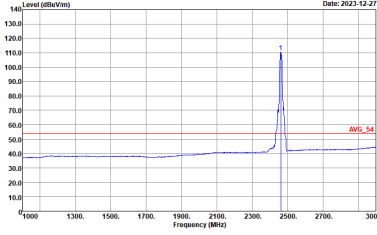


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.200KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.200KHz SWT:Auto

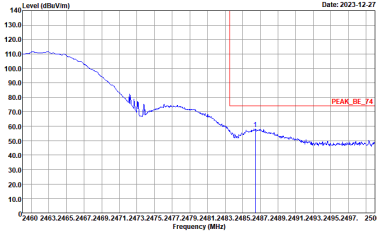
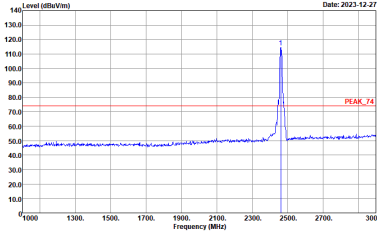
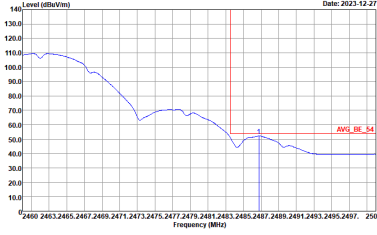
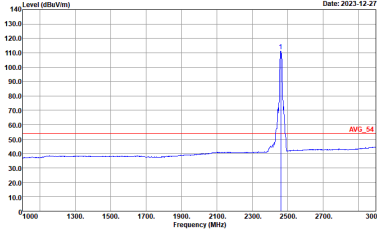


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.200KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.200KHz SWT:Auto

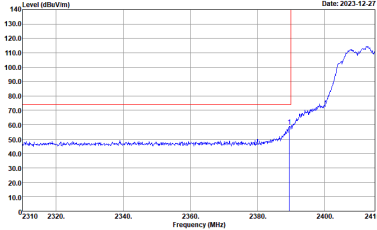
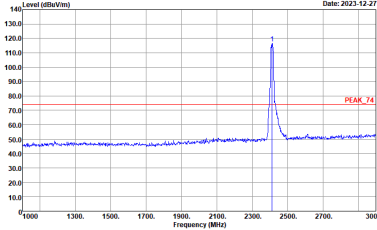
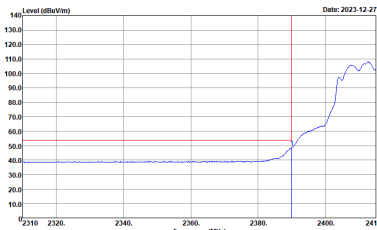
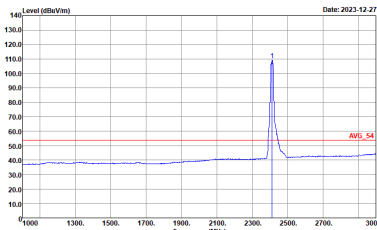


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.200KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.200KHz SWT:Auto

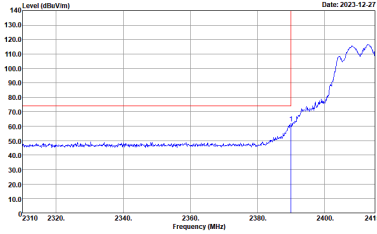
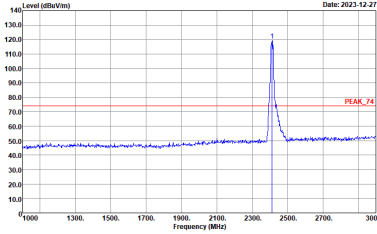
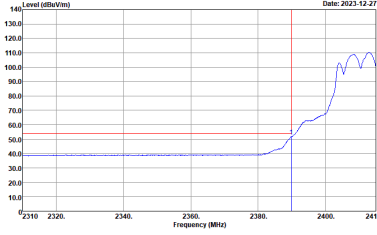
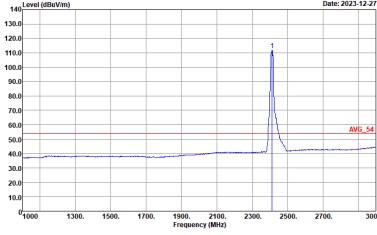


2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

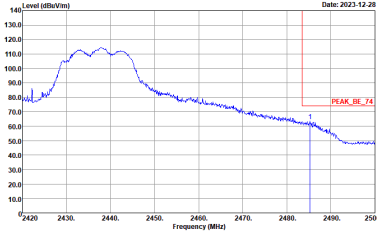
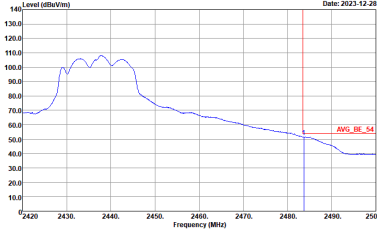


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

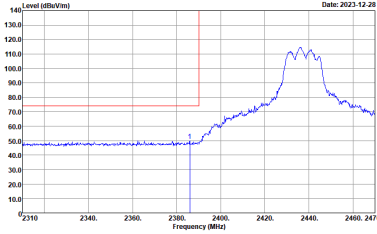
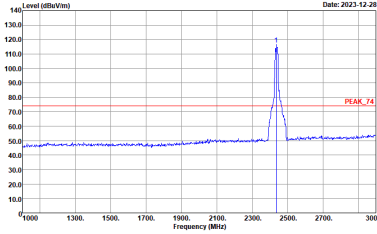
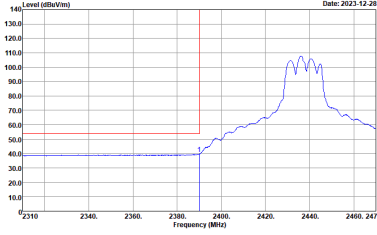
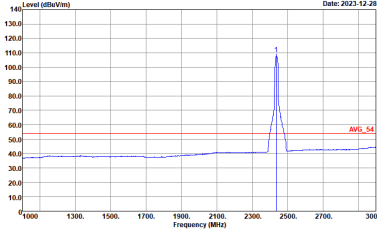


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
6+7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

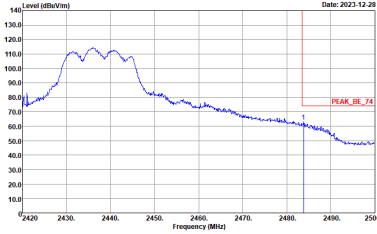
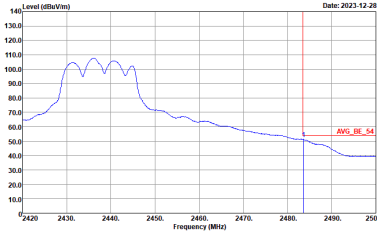


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank

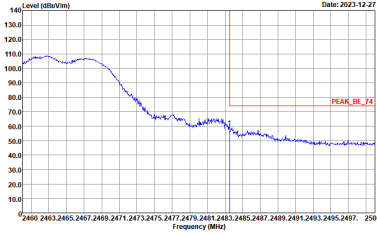
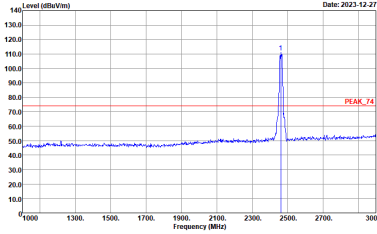
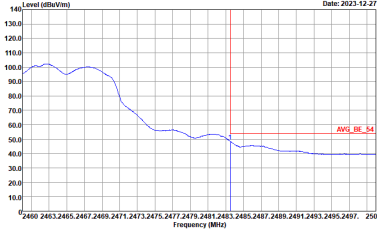
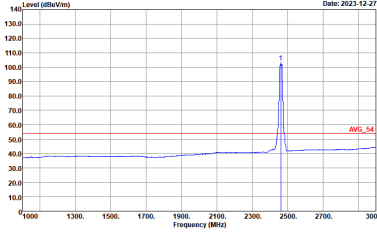


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left Blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left Blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

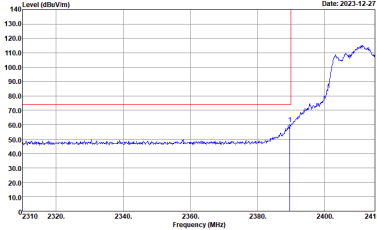
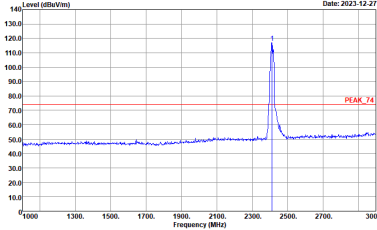
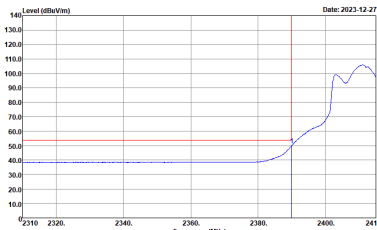
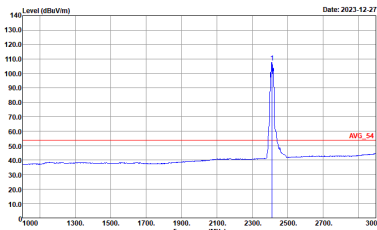


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto



2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto

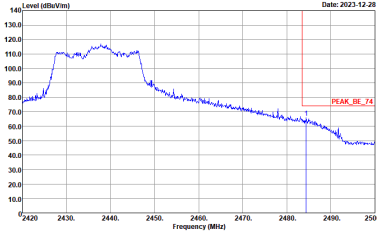
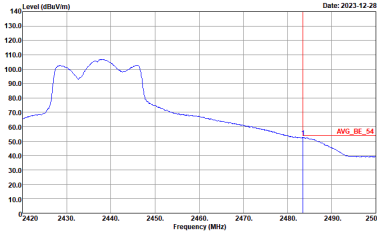


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto

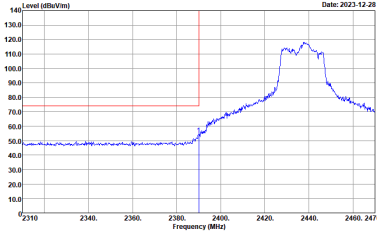
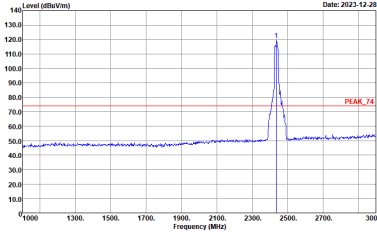
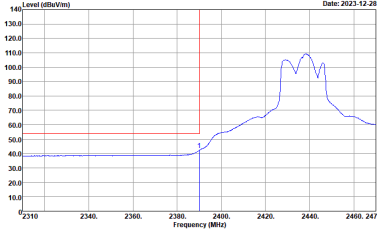
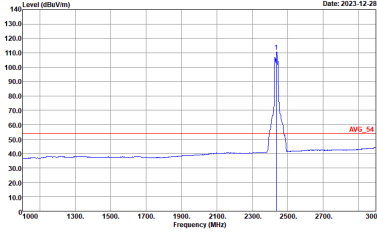


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
6+7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto

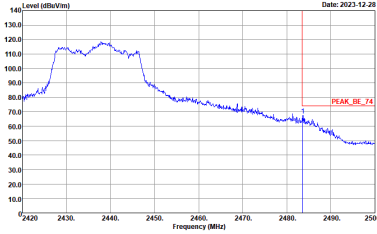
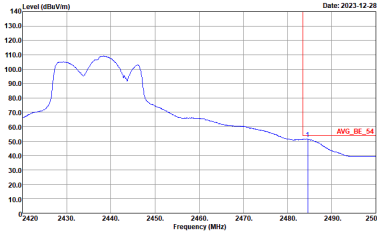


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

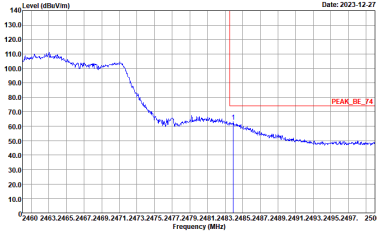
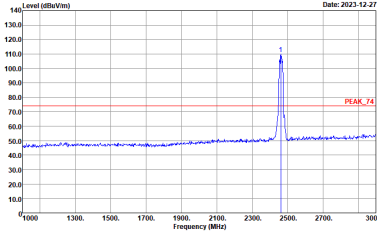
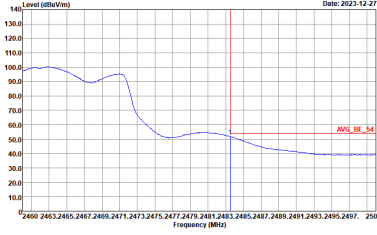
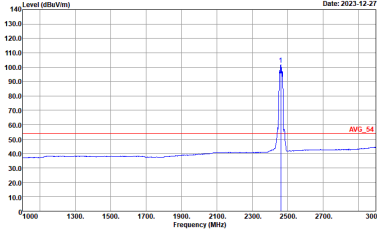


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto

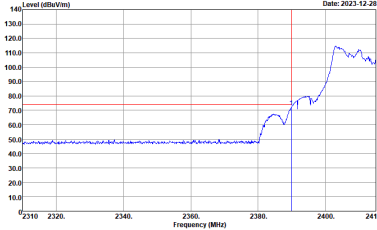
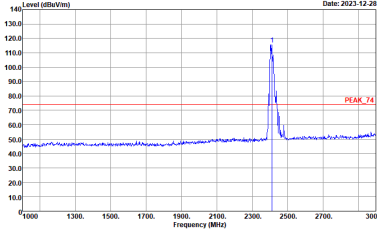
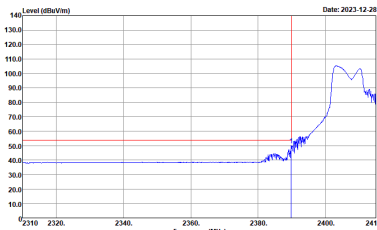
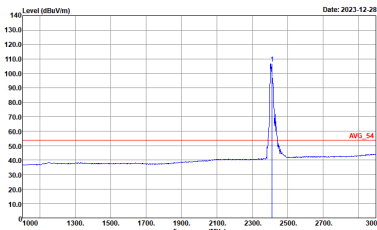


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.240KHz SWT:Auto

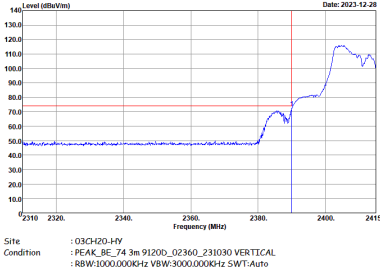
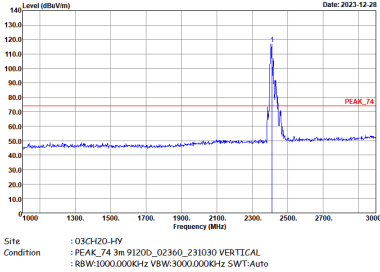
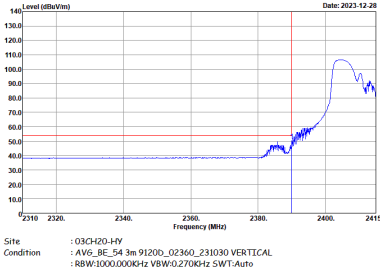
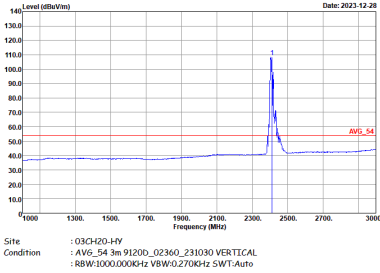


2.4GHz 2400~2483.5MHz

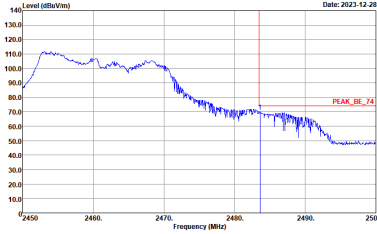
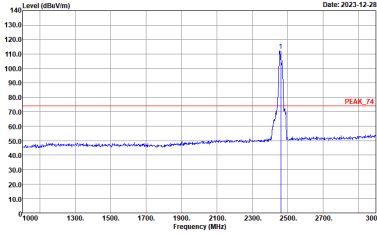
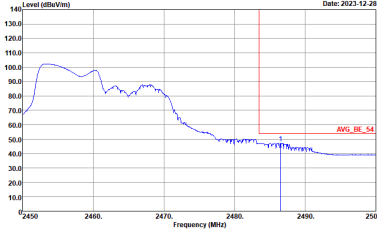
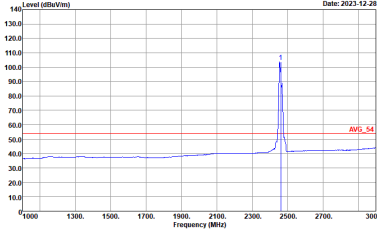
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH01 2412MHz	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

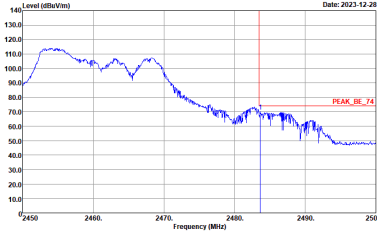
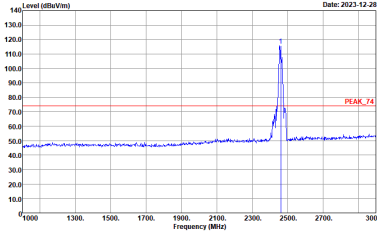
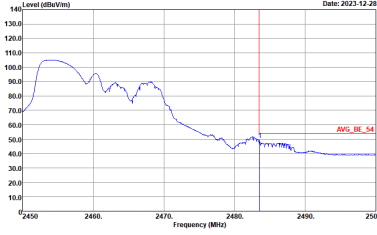
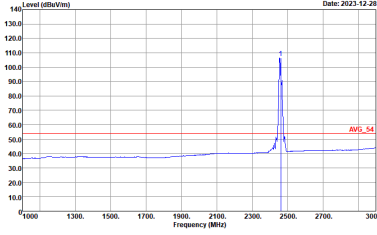


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH01 2412MHz	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH11 2462MHz	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

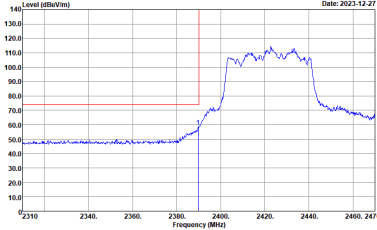
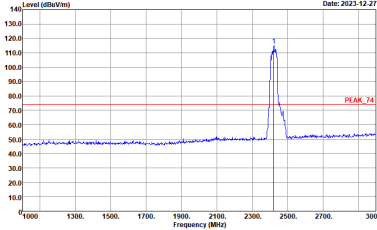
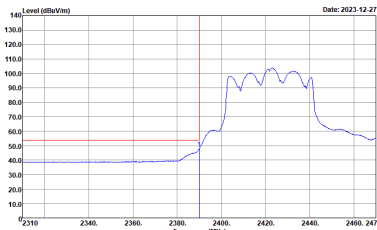
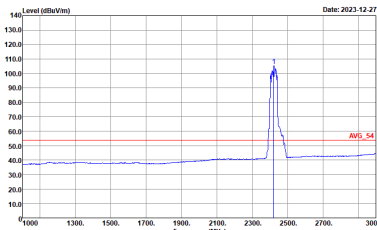


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH11 2462MHz	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

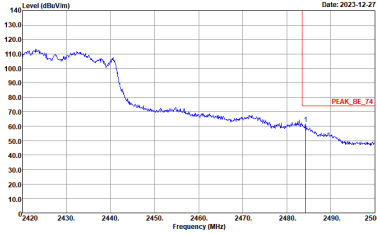
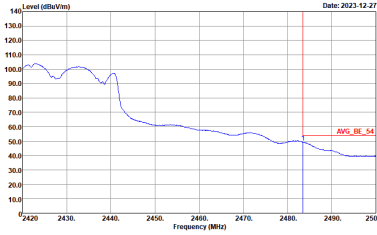


2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.560KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.560KHz SWT:Auto

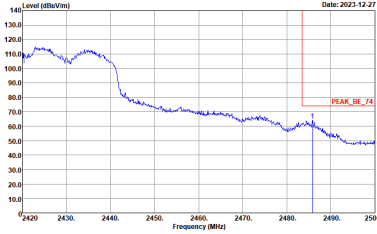
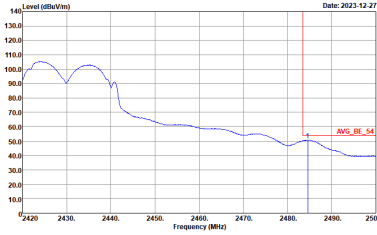


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - L	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.560KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.560KHz SWT:Auto

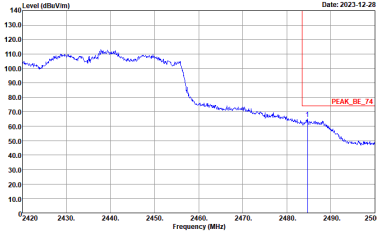
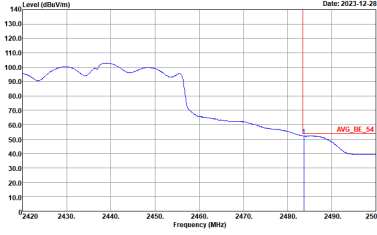


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
6+7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.560KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.560KHz SWT:Auto

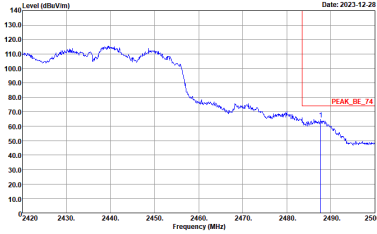
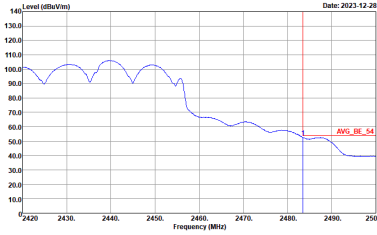


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.560KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.560KHz SWT:Auto

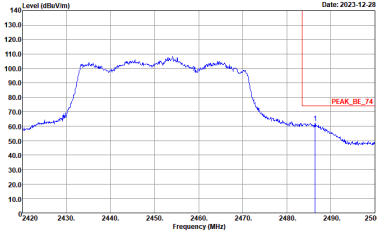
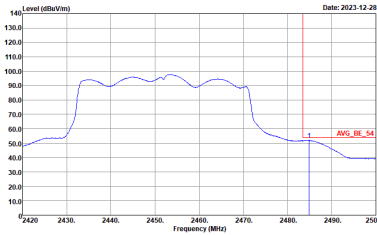


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

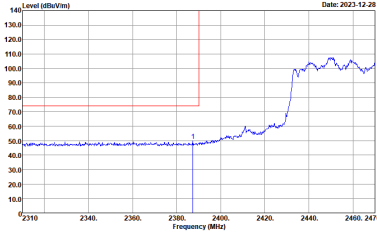
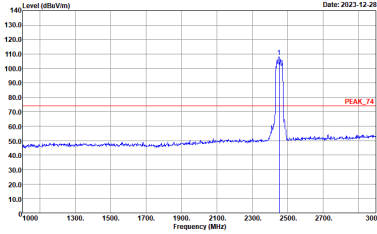
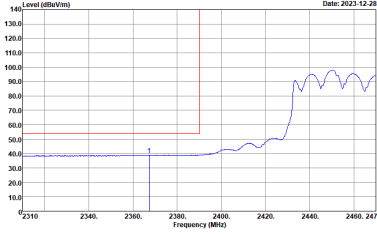
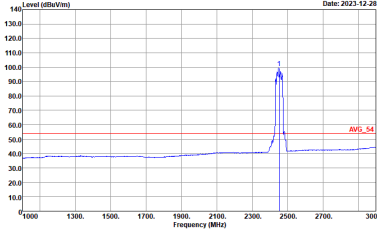


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - L	
6+7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000kHz VBW:0.560kHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000kHz VBW:0.560kHz SWT:Auto

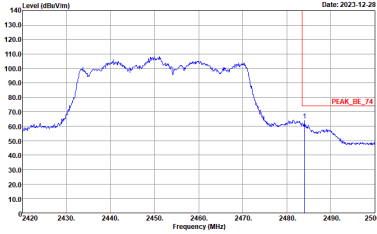
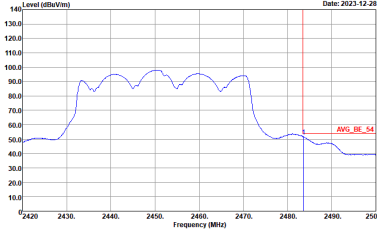


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.560KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.560KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 2422MHz - L	
6+7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

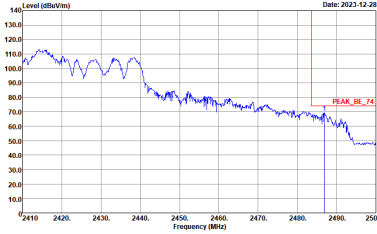
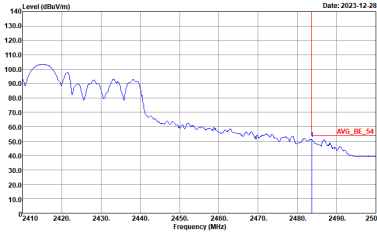


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 2422MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank

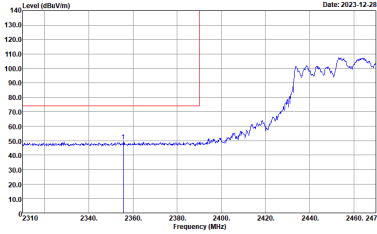
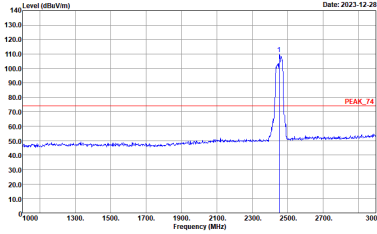
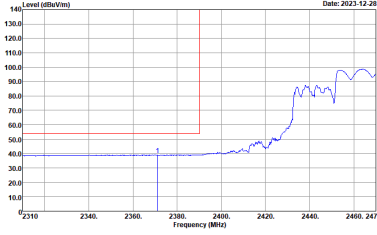
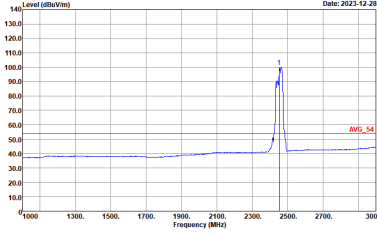


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 2422MHz - L	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

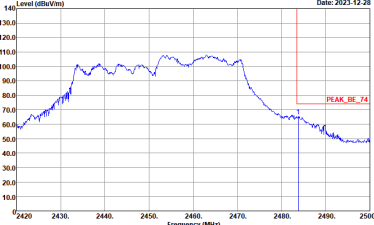
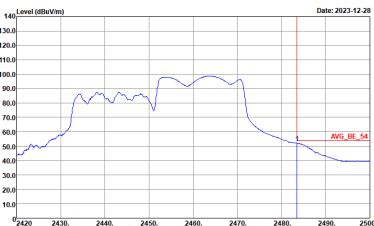


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 2422MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH09 2452MHz - L	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

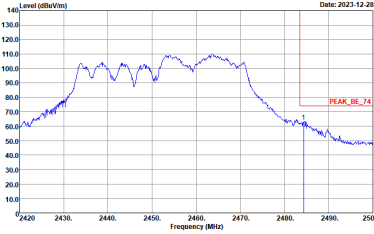
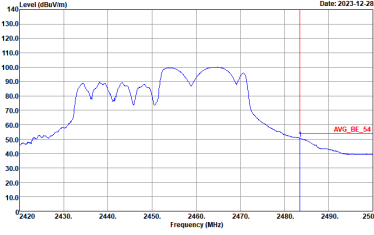


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH09 2452MHz - R	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH09 2452MHz - L	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

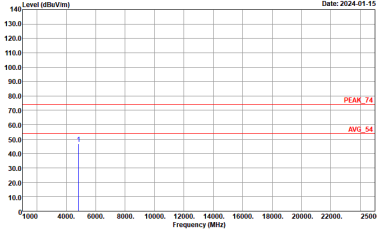
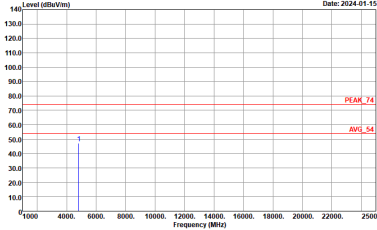


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH09 2452MHz - R	
6+7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank



2.4GHz 2400~2483.5MHz

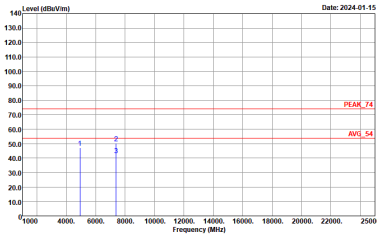
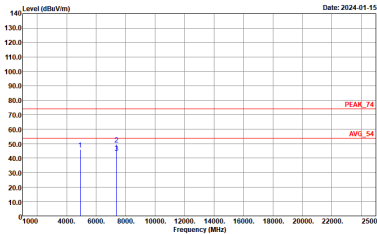
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
6+7	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-12-28 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	Level (dBuV/m) Date: 2023-12-28 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :

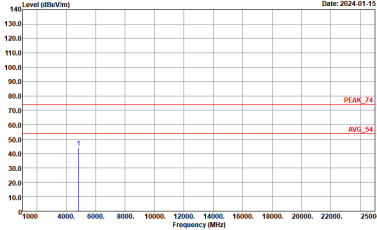
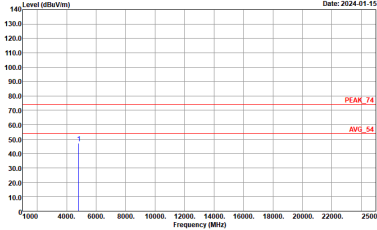


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :

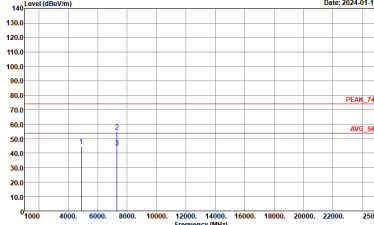
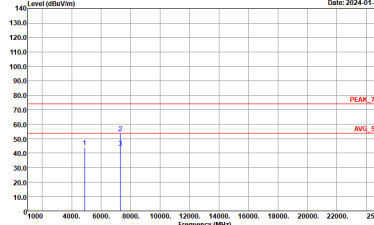


2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :

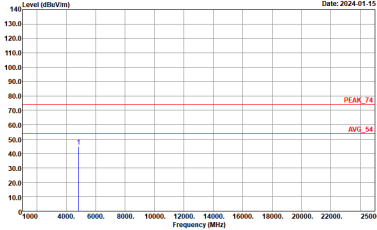
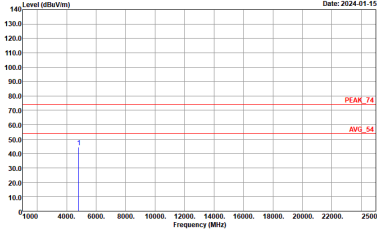


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
6+7	Horizontal	Vertical
Peak Avg.	Site : 03CH20-1#Y Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	Site : 03CH20-1#Y Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz	
6+7	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-12-28 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	Level (dBuV/m) Date: 2023-12-28 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :

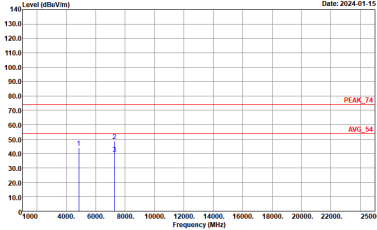
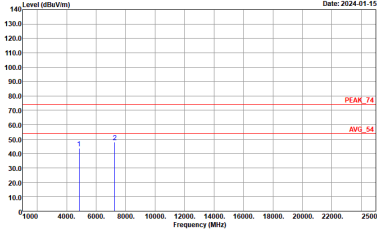


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
6+7	Horizontal	Vertical
Peak Avg.	Site : 03CH20-1#Y Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	Site : 03CH20-1#Y Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :



2.4GHz 2400~2483.5MHz

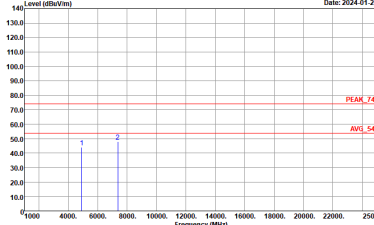
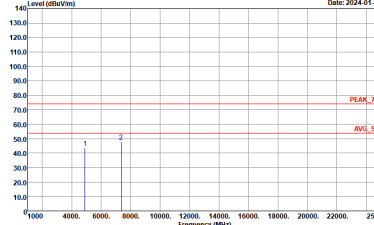
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH03 2422MHz	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz	
6+7	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-12-28 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	Level (dBuV/m) Date: 2023-12-28 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :

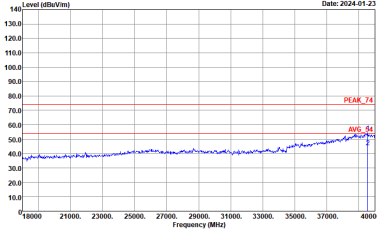
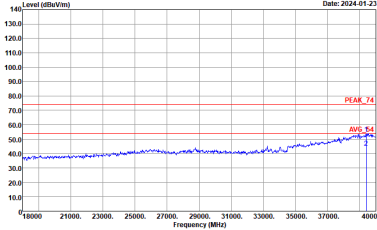


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH09 2452MHz	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	 Site : 03CH20-14Y Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :



Emission above 18GHz

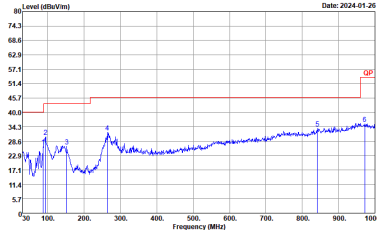
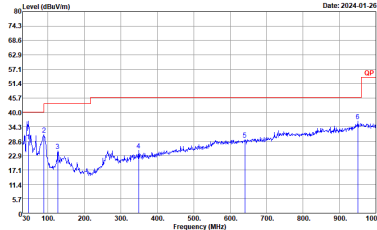
2.4GHz WIFI 802.11ax HE20 Full (SHF @ 1m)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE20 Full SHF	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK_74 1m SHF_1223_230710 HORIZONTAL :	 Site : 03CH20-HY Condition : PEAK_74 1m SHF_1223_230710 VERTICAL :



Emission below 1GHz

2.4GHz WIFI 802.11ax HE20 Full (LF)

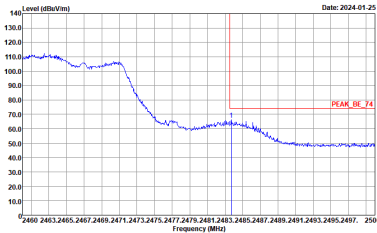
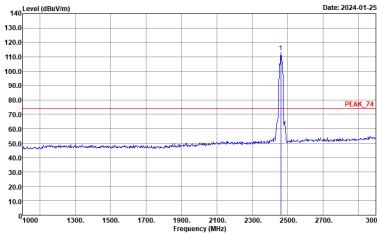
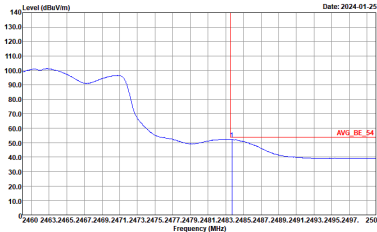
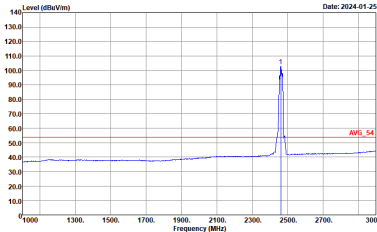
WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE20 Full LF	
6+7	Horizontal	Vertical
QP / Peak	 Site : 03CH20-HV Condition : QP-3m LF_55606_231020_200 HORIZONTAL :	 Site : 03CH20-HV Condition : QP-3m LF_55606_231020_200 VERTICAL :



<Sample 3>

2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000kHz VBW:0.270kHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000kHz VBW:0.270kHz SWT:Auto

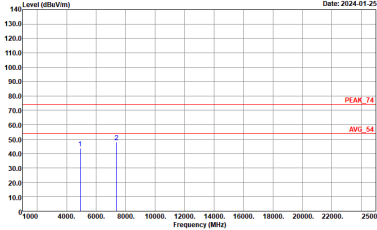
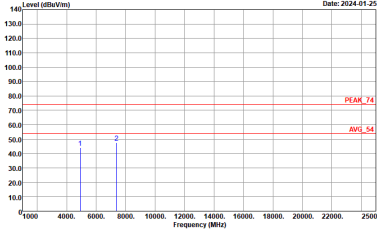


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
6+7	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto



2.4GHz 2400~2483.5MHz

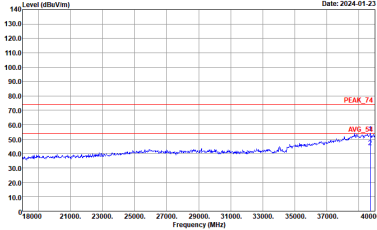
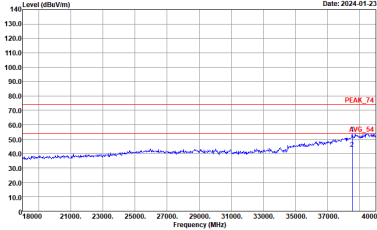
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	 Site : 03CH20-HV Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :



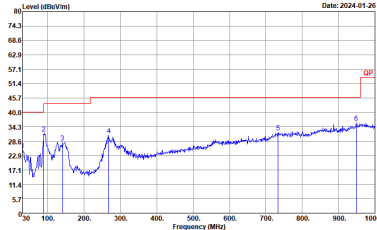
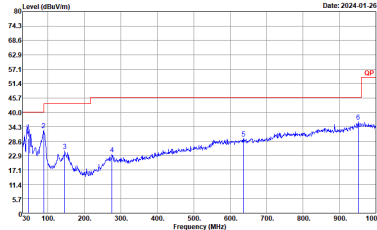
Emission above 18GHz

2.4GHz WIFI 802.11ax HE20 Full (SHF @ 1m)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE20 Full SHF	
6+7	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK_74 1m SHF_1223_230710 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK_74 1m SHF_1223_230710 VERTICAL



Emission below 1GHz
2.4GHz WIFI 802.11ax HE20 Full (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE20 Full LF	
6+7	Horizontal	Vertical
QP / Peak	 Site : 03CH20-HV Condition : QP-3m LF_55606_231020_200 HORIZONTAL :	 Site : 03CH20-HV Condition : QP-3m LF_55606_231020_200 VERTICAL :



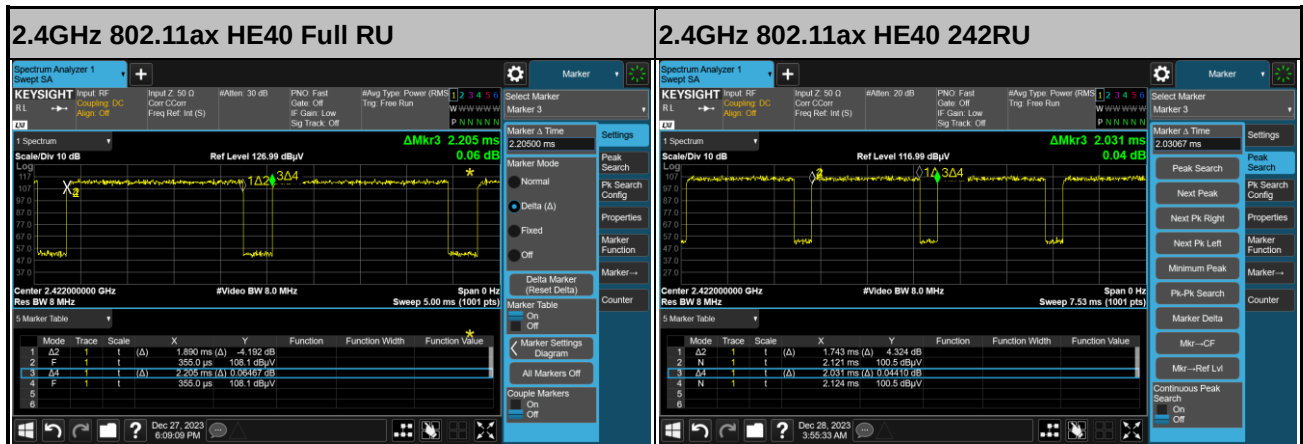
Appendix E. Duty Cycle Plots

<Sample 1>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
6+7	802.11b	85.60	5500	0.18	200Hz
6+7	802.11g	85.43	1718	0.58	620Hz
6+7	2.4GHz 802.11ax HE20 Full RU	85.88	4380	0.23	300Hz
6+7	2.4GHz 802.11ax HE20 106 RU	85.93	3903	0.26	270Hz
6+7	2.4GHz 802.11ax HE40 Full RU	85.71	1890	0.53	560Hz
6+7	2.4GHz 802.11ax HE40 242RU	85.82	1743	0.57	620Hz

MIMO <Ant. 6+7>







<Sample 3>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
6+7	2.4GHz 802.11ax HE20 Full RU	85.76	3705	0.27	270Hz

MIMO <Ant. 6+7>

