



WIFI	2.4GHz 2400~2483.5MHz Band Edge	
ANT	802.11ax HE40 Partial 484/65 CH10 2457MHz - R	
5	CSE	Fundamental
Peak	<p>Level (dBm)</p> <p>31.3 12.5 -6.3 -25.0 -43.8 -62.5 -81.3 -100</p> <p>2410 2420 2430 2440 2450 2460 2470 2480 2490 2500</p> <p>Frequency (MHz)</p> <p>Date: 2022-09-09</p> <p>Site : TH05-HY Condition : FCC CLASS B_PK_BE ANT GAIN+6.54 HORIZONTAL : RBW:1000.000kHz VIEW:3000.000kHz</p>	Left blank
Avg.	<p>Level (dBm)</p> <p>31.3 12.5 -6.3 -25.0 -43.8 -62.5 -81.3 -100</p> <p>2410 2420 2430 2440 2450 2460 2470 2480 2490 2500</p> <p>Frequency (MHz)</p> <p>Date: 2022-09-09</p> <p>Site : TH05-HY Condition : FCC CLASS B_AVG_BE ANT GAIN+6.54 HORIZONTAL : RBW:1000.000kHz VIEW:3.010kHz</p>	Left blank



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic)

WIFI	2.4GHz 2400~2483.5MHz Harmonic	
ANT	802.11b	
5	CH01 2412MHz	CH06 2437MHz
Peak Avg.	<p>Site : TH05-HY Condition : FCC CLASS-B_CON ANT GAIN=5.54 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz</p>	<p>Site : TH05-HY Condition : FCC CLASS-B_CON ANT GAIN=5.54 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic	
ANT	802.11b	
5	CH11 2462MHz	-
Peak Avg.	<p>The spectrum plot displays the signal level in dBm across a frequency range from 1900 to 2500 MHz. The y-axis ranges from -120 to 30 dBm. Two horizontal red lines indicate the FCC limits: FCC CLASS B, CON at -72.5 dBm and FCC CLASS B UWB, CON at -26.3 dBm. The signal level is consistently below these limits, with a noise floor around -45 dBm. Four peaks are marked with vertical lines and numbered 1 through 4.</p> <p>Site : TH05-HY Condition : FCC CLASS B, CON ANT GAIN+6.54 HORIZONTAL : RBW: 1000.000kHz VIEW: 3000.000kHz</p>	Left blank



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic)

WIFI	2.4GHz 2400~2483.5MHz Harmonic	
ANT	802.11g	
5	CH01 2412MHz	CH06 2437MHz
Peak Avg.	<p>Site Condition : THIS HY : FCC CLASS B CON ANT GAIN+6.54 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz</p>	<p>Site Condition : THIS HY : FCC CLASS B CON ANT GAIN+6.54 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic	
ANT	802.11g	
5	CH11 2462MHz	-
Peak Avg.	<p>The spectrum plot displays the signal level in dBm across a frequency range from 1900 MHz to 2500 MHz. The y-axis ranges from -120 dBm to -30 dBm. Two horizontal red lines indicate the FCC Class B limits: -72.5 dBm (FCC CLASS B_CON) and -45.0 dBm (FCC CLASS B UWB_CON). The signal level is consistently below these limits, with a noise floor around -45 dBm. Three peaks are marked with vertical blue lines and labeled 1, 2, and 3. The plot also includes technical details: Site: TH05-HY, Condition: FCC CLASS B_CON ANT GAIN+6.54 HORIZONTAL, RBW: 1000.000kHz, and a date of 2022-09-12.</p>	Left blank



2.4GHz 2400~2483.5MHz
WIFI 802.11ax HE20 Full (Harmonic)

WIFI	2.4GHz 2400~2483.5MHz Harmonic	
ANT	802.11ax HE20 Full	
5	CH01 2412MHz	CH06 2437MHz
Peak Avg.	<p>Site : TH05-HY Condition : FCC CLASS B_CON ANT GAIN+6.54 HORIZONTAL : RBW:1000.0000Hz VBW:3000.0000Hz</p>	<p>Site : TH05-HY Condition : FCC CLASS B_CON ANT GAIN+6.54 HORIZONTAL : RBW:1000.0000Hz VBW:3000.0000Hz</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic	
ANT	802.11ax HE20 Full	
5	CH11 2462MHz	-
Peak Avg.	<p>Site : TH05-HY Condition : FCC CLASS B, CON ANT GAIN+6.54 HORIZONTAL : RBW: 1000.000kHz VIEW: 3000.000kHz</p>	Left blank



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic)

WIFI	2.4GHz 2400~2483.5MHz Harmonic	
ANT	802.11ax HE20 Partial 26	
5	Partial 26/0 CH01 2412MHz	Partial 26/4 CH06 2437MHz
Peak Avg.	<p>Site : TH05-HY Condition : FCC CLASS-B_CON ANT GAIN=5.54 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz</p>	<p>Site : TH05-HY Condition : FCC CLASS-B_CON ANT GAIN=5.54 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic	
ANT	802.11ax HE20 Partial 26	
5	Partial 26/8 CH11 2462MHz	-
Peak Avg.	<p>The spectrum plot displays the signal level in dBm across a frequency range from 1900 MHz to 2500 MHz. The y-axis ranges from -120 dBm to 30 dBm. Two horizontal red lines indicate the FCC Class B limits: -72.5 dBm (FCC CLASS B_CON) and -45.0 dBm (FCC CLASS B UWB_CON). The signal level is significantly below these limits, with a noise floor around -82.5 dBm. The plot also shows a small peak at approximately 2462 MHz.</p> <p>Site : TH05-HY Condition : FCC CLASS B_CON ANT GAIN+6.54 HORIZONTAL : RBW:1000.000kHz VIEW:3000.000kHz</p>	Left blank



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Full (Harmonic)

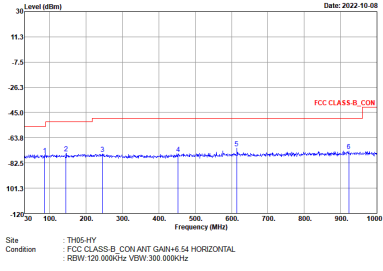
WIFI	2.4GHz 2400~2483.5MHz Harmonic	
ANT	802.11ax HE40 Full	
5	CH03 2422MHz	CH06 2437MHz
Peak Avg.	<p>Site : TH05-HY Condition : FCC CLASS-B_CON ANT GAIN+6.54 HORIZONTAL : RBW:1000.000Hz VBW:3000.000Hz</p>	<p>Site : TH05-HY Condition : FCC CLASS-B_CON ANT GAIN+6.54 HORIZONTAL : RBW:1000.000Hz VBW:3000.000Hz</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic	
ANT	802.11ax HE40 Full	
5	CH09 2452MHz	-
Peak Avg.	<p>The spectrum plot displays the signal level in dBm across a frequency range from 1900 to 2500 MHz. The y-axis ranges from -120 to 30 dBm. Two horizontal red lines indicate the FCC limits: FCC CLASS B, CON at -72.5 dBm and FCC CLASS B, UWB, CON at -26.3 dBm. The signal level is significantly below these limits, with a peak around 2452 MHz. The plot also shows a noise floor around -45 dBm.</p> <p>Site : TH05-HY Condition : FCC CLASS B, CON ANT GAIN+6.54 HORIZONTAL : RBW: 1000.000kHz VIEW: 3000.000kHz</p>	Left blank



Emission below 1GHz
WIFI 802.11ax HE40 Partial 484 (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE40 Partial 484/65	
5	LF	-
QP / Peak	 <p>Site : TH05-HY Condition : FCC CLASS B_CON ANT GAIN+6.54 HORIZONTAL : RBW:120.0000Hz VBW:300.0000Hz</p>	Left blank



Appendix D. Cabinet Radiated Spurious Emission

Test Engineer :	Bigshow Wang and Quentin Liu	Temperature :	21.1~23.1°C
		Relative Humidity :	49~58%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11b CH 01 2412MHz		2343.936	50.49	-23.51	74	44.4	27	15.95	36.86	100	17	P	H	
		2389.184	39.33	-14.67	54	32.85	27.31	16.03	36.86	100	17	A	H	
	*	2412	76.26	-	-	69.58	27.47	16.07	36.86	100	17	P	H	
	*	2412	73.01	-	-	66.33	27.47	16.07	36.86	100	17	A	H	
													H	
														H
			2380.224	49.94	-24.06	74	43.55	27.24	16.01	36.86	372	157	P	V
			2387.728	39.33	-14.67	54	32.86	27.3	16.03	36.86	372	157	A	V
	*		2412	79.07	-	-	72.39	27.47	16.07	36.86	372	157	P	V
	*		2412	75.66	-	-	68.98	27.47	16.07	36.86	372	157	A	V
														V
														V
802.11b CH 06 2437MHz		2382.336	49.7	-24.3	74	43.28	27.26	16.02	36.86	100	16	P	H	
		2389.871	39.28	-14.72	54	32.79	27.32	16.03	36.86	100	16	A	H	
	*	2437	75.96	-	-	69.09	27.62	16.11	36.86	100	16	P	H	
	*	2437	72.66	-	-	65.79	27.62	16.11	36.86	100	16	A	H	
			2494.014	50.73	-23.27	74	43.5	27.88	16.2	36.85	100	16	P	H
			2498.467	40.09	-13.91	54	32.85	27.89	16.2	36.85	100	16	A	H
			2350.141	50.22	-23.78	74	44.12	27	15.96	36.86	363	158	P	V
			2388.775	39.28	-14.72	54	32.8	27.31	16.03	36.86	363	158	A	V
	*		2437	79.17	-	-	72.3	27.62	16.11	36.86	363	158	P	V
	*		2437	75.87	-	-	69	27.62	16.11	36.86	363	158	A	V
			2498.175	50.89	-23.11	74	43.65	27.89	16.2	36.85	363	158	P	V
			2498.905	40.12	-13.88	54	32.87	27.9	16.2	36.85	363	158	A	V



WIFI Ant. 5+4	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	75.5	-	-	68.45	27.75	16.15	36.85	100	14	P	H
	*	2462	72.14	-	-	65.09	27.75	16.15	36.85	100	14	A	H
		2487.808	51.42	-22.58	74	44.23	27.85	16.19	36.85	100	14	P	H
		2496.832	40.13	-13.87	54	32.89	27.89	16.2	36.85	100	14	A	H
													H
													H
	*	2462	80.16	-	-	73.11	27.75	16.15	36.85	399	149	P	V
	*	2462	76.99	-	-	69.94	27.75	16.15	36.85	399	149	A	V
		2499.232	51.13	-22.87	74	43.88	27.9	16.2	36.85	399	149	P	V
		2497.552	40.13	-13.87	54	32.89	27.89	16.2	36.85	399	149	A	V
													V
													V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 												



**2.4GHz 2400~2483.5MHz
WIFI 802.11b (Harmonic @ 3m)**

WIFI Ant. 5+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	39.05	-34.95	74	57.91	32.44	9.41	60.71	-	-	P	H
													H
													H
													H
		4824	40.58	-33.42	74	59.44	32.44	9.41	60.71	-	-	P	V
													V
													V
802.11b CH 06 2437MHz		4874	40.35	-33.65	74	59.06	32.6	9.4	60.71	-	-	P	H
		7311	42.28	-31.72	74	55.69	36.66	10.85	60.92	-	-	P	H
													H
													H
		4874	39.65	-34.35	74	58.36	32.6	9.4	60.71	-	-	P	V
		7311	42.43	-31.57	74	55.84	36.66	10.85	60.92	-	-	P	V
													V
802.11b CH 11 2462MHz		4924	39.16	-34.84	74	57.76	32.74	9.38	60.72	-	-	P	H
		7386	40.67	-33.33	74	54.21	36.5	10.91	60.95	-	-	P	H
													H
													H
		4924	39.22	-34.78	74	57.82	32.74	9.38	60.72	-	-	P	V
		7386	40.67	-33.33	74	54.21	36.5	10.91	60.95	-	-	P	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)

Table with 14 columns: WIFI Ant. 5+4, 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). Rows include frequencies like 2340.14, 2388.775, 2437, 2497.518, etc.



**2.4GHz 2400~2483.5MHz
WIFI 802.11g (Harmonic @ 3m)**

WIFI Ant. 5+4	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	38.59	-35.41	74	57.3	32.6	9.4	60.71	-	-	P	H
		7311	42.26	-31.74	74	55.67	36.66	10.85	60.92	-	-	P	H
													H
													H
		4874	38.87	-35.13	74	57.58	32.6	9.4	60.71	-	-	P	V
		7311	42.88	-31.12	74	56.29	36.66	10.85	60.92	-	-	P	V
													V
													V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 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 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI Ant. 5+4	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		2344.524	49.8	-24.2	74	43.71	27	15.95	36.86	105	196	P	H
		2387.953	39.31	-14.69	54	32.84	27.3	16.03	36.86	105	196	A	H
	*	2437	76.05	-	-	69.18	27.62	16.11	36.86	105	196	P	H
	*	2437	67.57	-	-	60.7	27.62	16.11	36.86	105	196	A	H
		2496.058	51.34	-22.66	74	44.11	27.88	16.2	36.85	105	196	P	H
		2499.051	40.12	-13.88	54	32.87	27.9	16.2	36.85	105	196	A	H
		2382.199	49.81	-24.19	74	43.39	27.26	16.02	36.86	363	147	P	V
		2389.871	39.32	-14.68	54	32.83	27.32	16.03	36.86	363	147	A	V
	*	2437	78.27	-	-	71.4	27.62	16.11	36.86	363	147	P	V
	*	2437	70.16	-	-	63.29	27.62	16.11	36.86	363	147	A	V
	2493.941	50.79	-23.21	74	43.56	27.88	16.2	36.85	363	147	P	V	
	2496.715	40.12	-13.88	54	32.88	27.89	16.2	36.85	363	147	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 5+4	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	39.14	-34.86	74	57.85	32.6	9.4	60.71	-	-	P	H	
		7311	42.16	-31.84	74	55.57	36.66	10.85	60.92	-	-	P	H	
													H	
													H	
			4874	38.36	-35.64	74	57.07	32.6	9.4	60.71	-	-	P	V
			7311	42.12	-31.88	74	55.53	36.66	10.85	60.92	-	-	P	V
														V
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 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 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant. 5+4	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 26/4 CH 06 2437MHz		2368.362	50.79	-23.21	74	44.51	27.15	15.99	36.86	147	197	P	H
		2389.46	39.32	-14.68	54	32.83	27.32	16.03	36.86	147	197	A	H
	*	2437	84.2	-	-	77.33	27.62	16.11	36.86	147	197	P	H
	*	2437	75.48	-	-	68.61	27.62	16.11	36.86	147	197	A	H
		2491.386	50.5	-23.5	74	43.29	27.87	16.19	36.85	147	197	P	H
		2496.131	40.12	-13.88	54	32.89	27.88	16.2	36.85	147	197	A	H
		2387.816	50.22	-23.78	74	43.75	27.3	16.03	36.86	400	144	P	V
		2389.597	39.29	-14.71	54	32.8	27.32	16.03	36.86	400	144	A	V
	*	2437	84.9	-	-	78.03	27.62	16.11	36.86	400	144	P	V
	*	2437	77.03	-	-	70.16	27.62	16.11	36.86	400	144	A	V
		2495.109	50.05	-23.95	74	42.82	27.88	16.2	36.85	400	144	P	V
		2496.934	40.1	-13.9	54	32.86	27.89	16.2	36.85	400	144	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 HE20 Partial 26 (Harmonic @ 3m)

WIFI Ant. 5+4	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 26/4 CH 06 2437MHz		4874	38.68	-35.32	74	57.39	32.6	9.4	60.71	-	-	P	H
		7311	42.15	-31.85	74	55.56	36.66	10.85	60.92	-	-	P	H
													H
													H
		4874	42.62	-31.38	74	61.33	32.6	9.4	60.71	-	-	P	V
		7311	43.89	-30.11	74	57.3	36.66	10.85	60.92	-	-	P	V
													V
													V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 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 802.11ax HE40 Full (Band Edge @ 3m)**

WIFI Ant. 5+4	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		2331.756	50.12	-23.88	74	44.05	27	15.93	36.86	100	186	P	H
		2388.498	39.28	-14.72	54	32.8	27.31	16.03	36.86	100	186	A	H
	*	2437	69.55	-	-	62.68	27.62	16.11	36.86	100	186	P	H
	*	2437	60.8	-	-	53.93	27.62	16.11	36.86	100	186	A	H
		2497.344	51.15	-22.85	74	43.91	27.89	16.2	36.85	100	186	P	H
		2496.099	40.1	-13.9	54	32.87	27.88	16.2	36.85	100	186	A	H
		2336.46	49.98	-24.02	74	43.9	27	15.93	36.86	400	145	P	V
		2389.968	39.33	-14.67	54	32.84	27.32	16.03	36.86	400	145	A	V
	*	2437	71.05	-	-	64.18	27.62	16.11	36.86	400	145	P	V
	*	2437	62.89	-	-	56.02	27.62	16.11	36.86	400	145	A	V
	2488.712	50.88	-23.12	74	43.69	27.85	16.2	36.85	400	145	P	V	
	2496.099	40.14	-13.86	54	32.91	27.88	16.2	36.85	400	145	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 5+4	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	39.64	-34.36	74	58.35	32.6	9.4	60.71	-	-	P	H	
		7311	43.55	-30.45	74	56.96	36.66	10.85	60.92	-	-	P	H	
													H	
													H	
			4874	39.42	-34.58	74	58.13	32.6	9.4	60.71	-	-	P	V
			7311	43.5	-30.5	74	56.91	36.66	10.85	60.92	-	-	P	V
														V
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



Emission above 18GHz

2.4GHz WIFI 802.11ax HE40 (SHF)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
2.4GHz 802.11ax HE40 SHF		36491	46.26	-27.74	74	62.57	42.91	-0.81	58.41	-	-	P	H	
													H	
													H	
													H	
			36505.5	45.84	-28.16	74	62.15	42.9	-0.81	58.4	-	-	P	V
														V
														V
Remark	<ol style="list-style-type: none"> 1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



Emission below 1GHz
2.4GHz WIFI 802.11ax HE40 (LF)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11ax HE40 LF		30.97	33.06	-6.94	40	40.86	24.01	0.67	32.48	-	-	P	H
		120.21	33.23	-10.27	43.5	47.22	17.23	1.31	32.53	-	-	P	H
		250.19	39.8	-6.2	46	51.94	18.35	1.96	32.45	-	-	P	H
		375.32	35.54	-10.46	46	44.85	20.85	2.3	32.46	-	-	P	H
		741.98	36.47	-9.53	46	37.72	27.75	3.3	32.3	-	-	P	H
		960.23	40.52	-13.48	54	36.85	30.95	3.85	31.13	-	-	P	H
		30.97	37.51	-2.49	40	45.31	24.01	0.67	32.48	100	203	Q	V
		120.21	33.3	-10.2	43.5	47.29	17.23	1.31	32.53	-	-	P	V
		239.52	32.29	-13.71	46	45.89	16.94	1.92	32.46	-	-	P	V
		359.8	30.53	-15.47	46	40.14	20.58	2.26	32.45	-	-	P	V
		729.37	35.17	-10.83	46	36.94	27.29	3.27	32.33	-	-	P	V
	914.64	37.54	-8.46	46	36.14	29.1	3.73	31.43	-	-	P	V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against limit line. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only. 												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is 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.	
1+2		(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 E. Cabinet Radiated Spurious Emission Plots

Test Engineer :	Bigshow Wang and Quentin Liu	Temperature :	21.1~23.1°C
		Relative Humidity :	49~58%

Note symbol

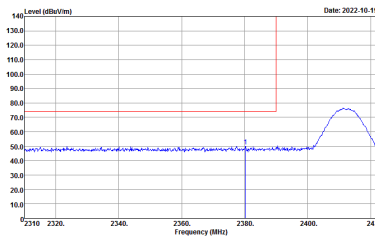
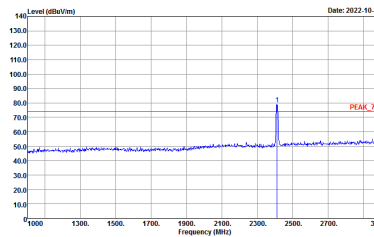
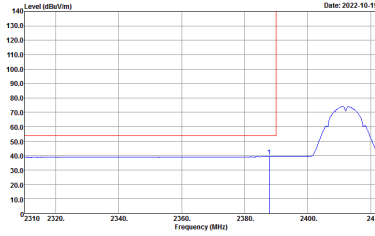
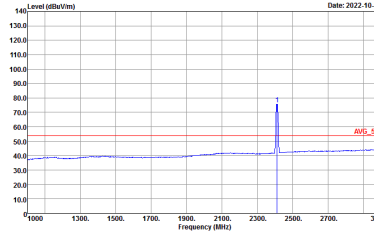
-L	Low channel location
-R	High channel location



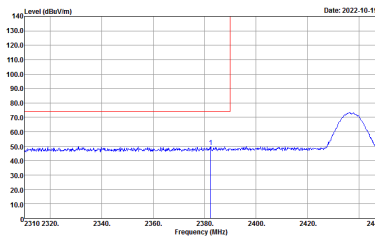
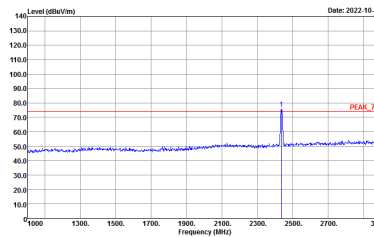
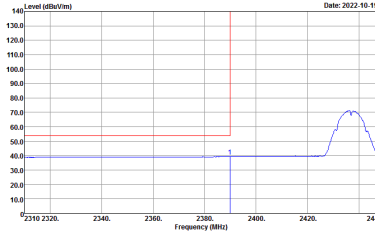
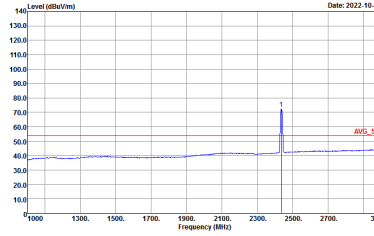
2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

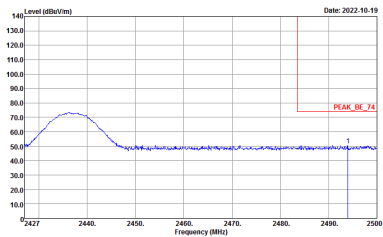
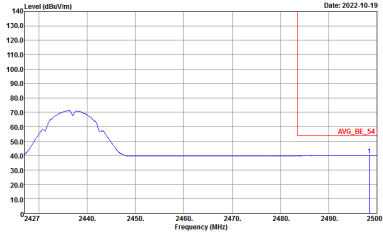


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

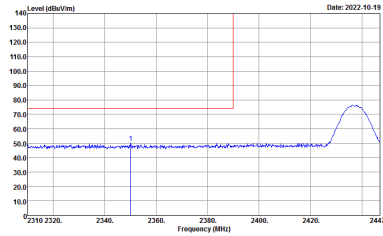
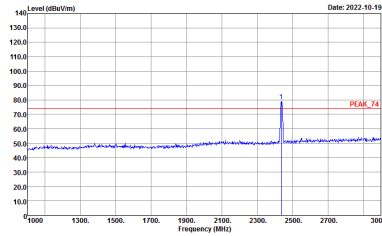
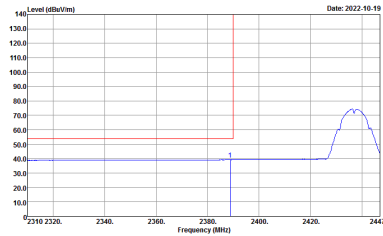
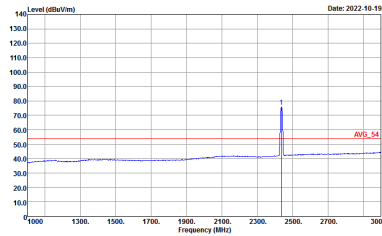


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
5+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
5+4	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>

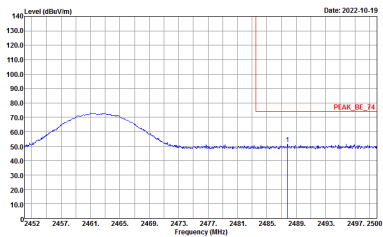
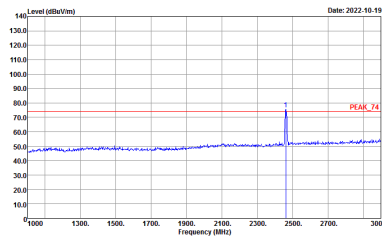
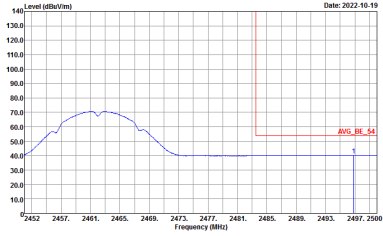
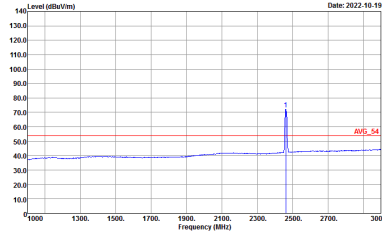


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

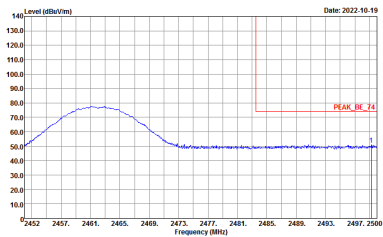
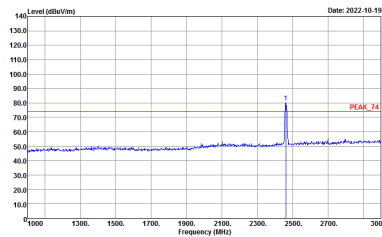
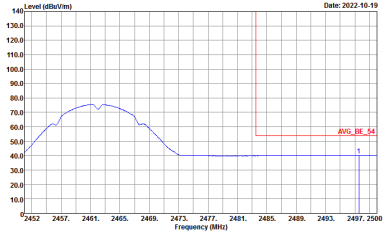
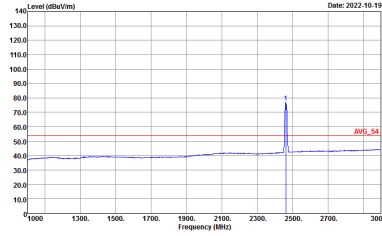


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
5+4	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
5+4	Horizontal	Fundamental
Peak	 <p>Date: 2022-10-19</p> <p>Site Condition : 03CH15-HY : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2022-10-19</p> <p>Site Condition : 03CH15-HY : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
	 <p>Date: 2022-10-19</p> <p>Site Condition : 03CH15-HY : AV6_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Date: 2022-10-19</p> <p>Site Condition : 03CH15-HY : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>
Avg.		



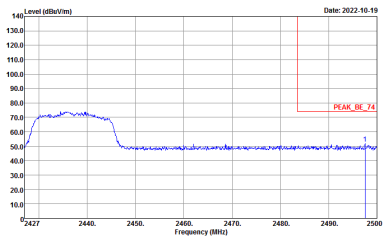
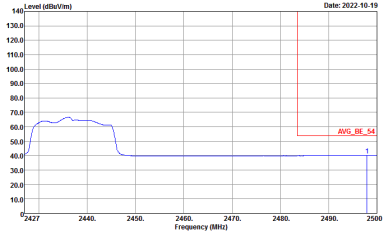
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
5+4	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
	<p>Avg.</p>  <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



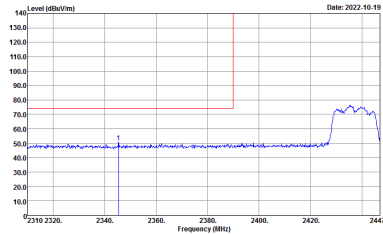
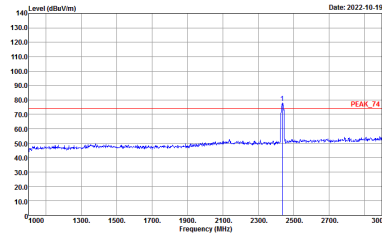
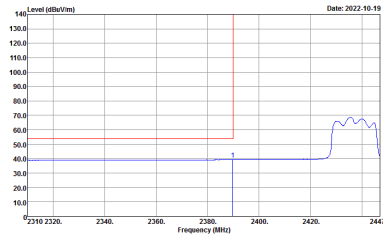
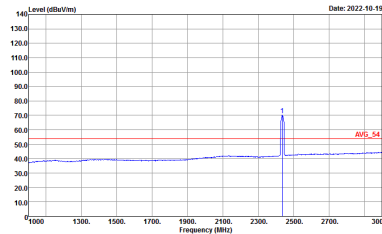
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
5+4	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
5+4	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left Blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left Blank



2.4GHz 2400~2483.5MHz

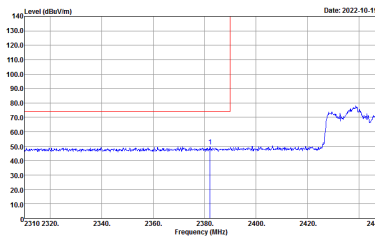
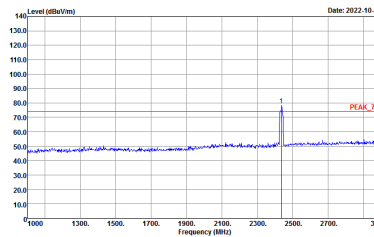
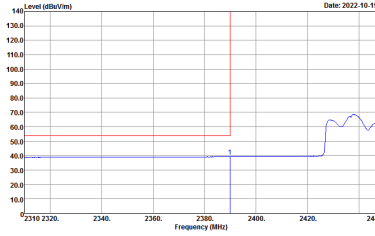
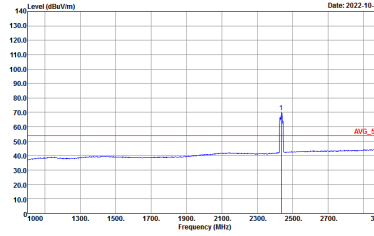
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

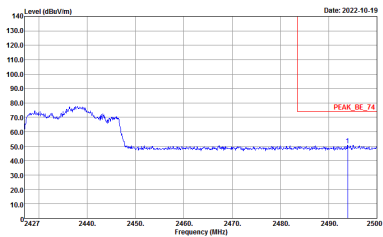
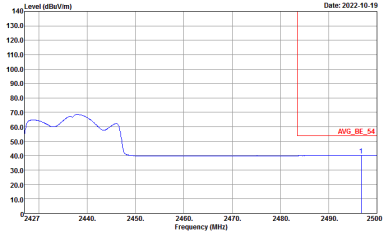


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

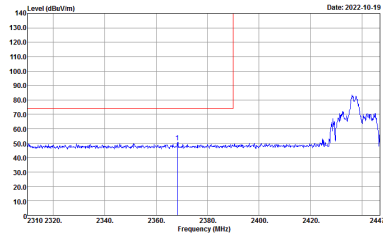
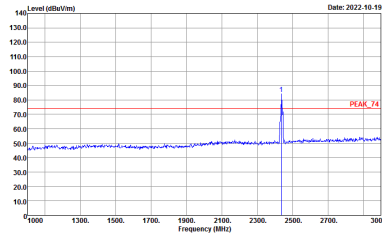
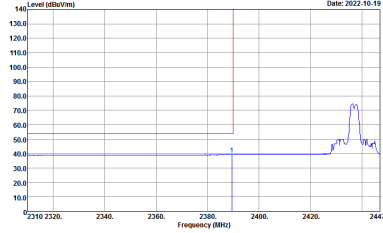
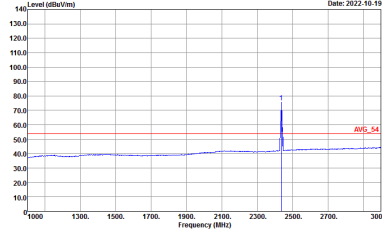


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
5+4	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>



2.4GHz 2400~2483.5MHz

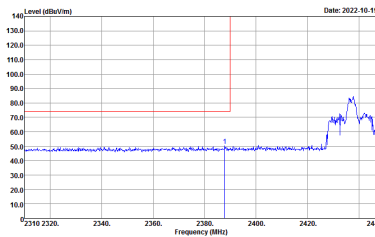
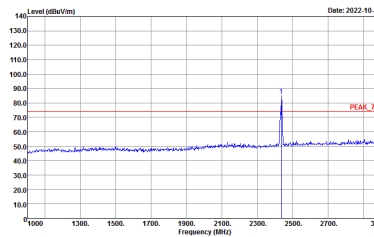
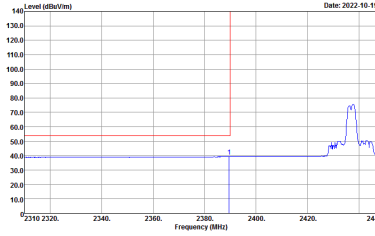
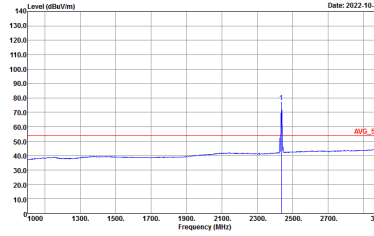
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH06 2437MHz - L	
5+4	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH06 2437MHz - R	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH06 2437MHz - L	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH06 2437MHz - R	
5+4	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left Blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left Blank



2.4GHz 2400~2483.5MHz

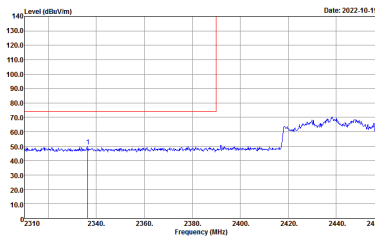
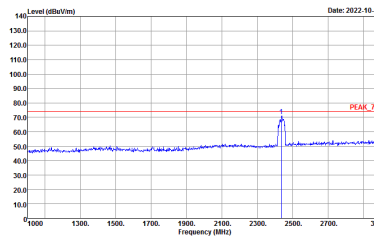
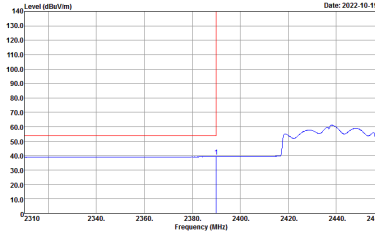
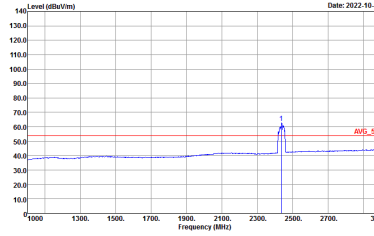
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

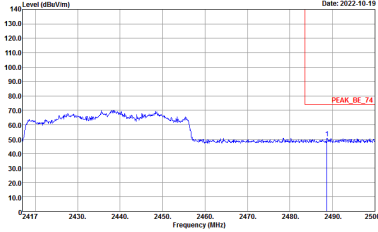
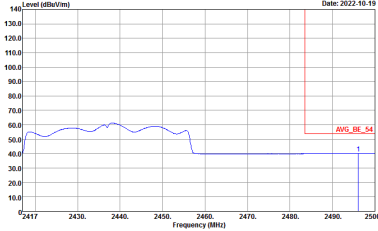


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - L	
5+4	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH06 2437MHz - R	
5+4	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>

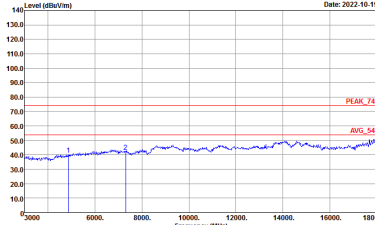
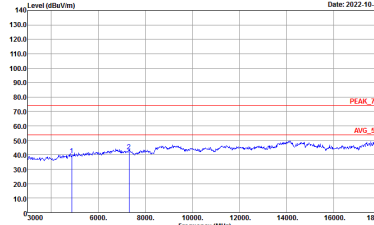
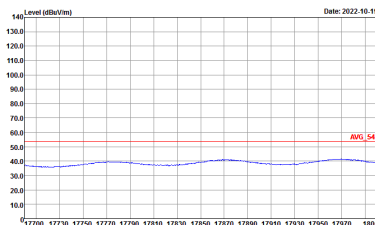
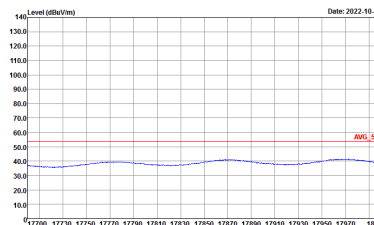


2.4GHz 2400~2483.5MHz

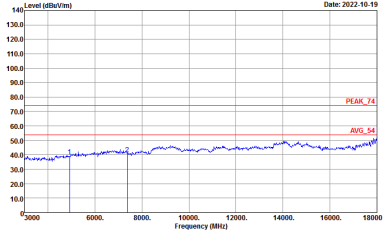
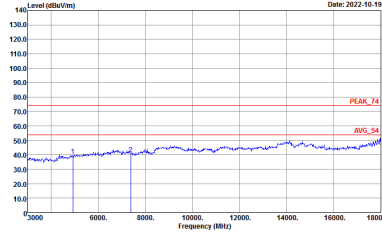
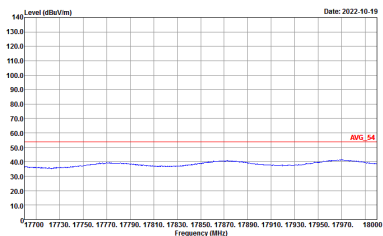
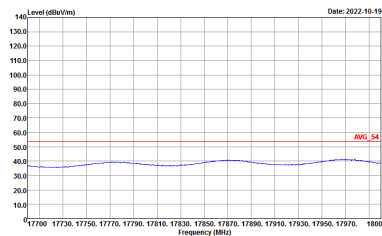
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
5+4	Horizontal	Vertical
Peak Avg.		
17.7G ~18G Avg.		



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
5+4	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL</p>
17.7G ~18G Avg.	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
5+4	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL</p>
17.7G ~18G Avg.	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL</p>



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
5+4	Horizontal	Vertical
Peak Avg.		
17.7G ~18G Avg.		



2.4GHz 2400~2483.5MHz

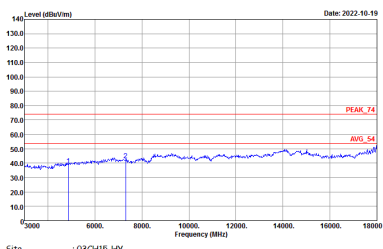
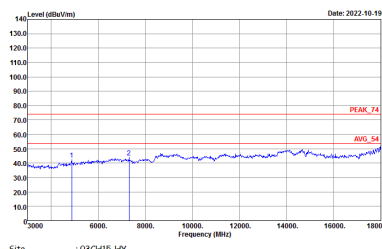
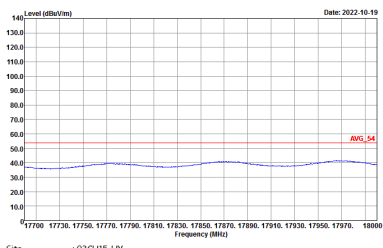
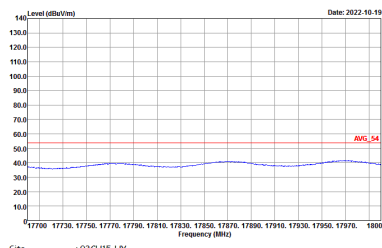
WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH06 2437MHz	
5+4	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL</p>
	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL</p>



2.4GHz 2400~2483.5MHz

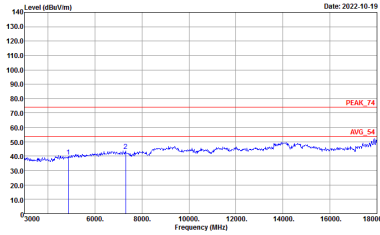
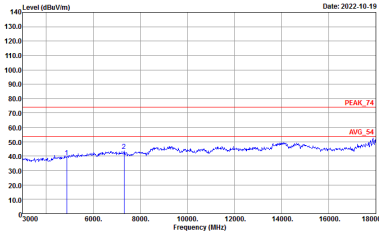
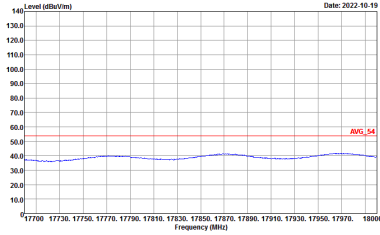
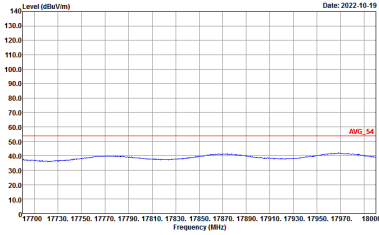
WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH06 2437MHz	
5+4	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL</p>
17.7G ~18G Avg.	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL</p>



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE40 Full (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE40 Full CH06 2437MHz	
5+4	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL</p>
17.7G ~18G Avg.	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL</p>



Emission above 18GHz

2.4GHz WIFI 802.11ax HE40 Full (SHF @ 1m)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE40 Full SHF	
5+4	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK_74 1m SHF_BBHA917000993 HCRIZZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK_74 1m SHF_BBHA917000993 VERTICAL</p>



**Emission below 18GHz
2.4GHz WIFI 802.11ax HE40 Full (LF)**

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE40 Full LF	
5+4	Horizontal	Vertical
QP / Peak	<p>Site : 03CH15-HY Condition : QP 3m BILOG_41912_20220206 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : QP 3m BILOG_41912_20220206 VERTICAL</p>



Appendix F. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	21.4~23.4°C
		Relative Humidity :	56~59%

<Antenna A>

2.4GHz 2400~2483.5MHz

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

WIFI Ant. 5+4	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 13 2472MHz	*	2472	98.75	-	-	91.65	27.79	16.16	36.85	320	208	P	H	
	*	2472	90.03	-	-	82.93	27.79	16.16	36.85	320	208	A	H	
		2483.5	71.72	-2.28	74	64.56	27.83	16.18	36.85	320	208	P	H	
		2483.5	52.21	-1.79	54	45.05	27.83	16.18	36.85	320	208	A	H	
													H	
														H
	*	2472	91.31	-	-	84.21	27.79	16.16	36.85	400	223	P	V	
	*	2472	82.31	-	-	75.21	27.79	16.16	36.85	400	223	A	V	
		2483.6	65.04	-8.96	74	57.88	27.83	16.18	36.85	400	223	P	V	
		2483.5	46.38	-7.62	54	39.22	27.83	16.18	36.85	400	223	A	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 26/8 CH 13 2472MHz	*	2472	98.47	-	-	91.37	27.79	16.16	36.85	308	217	P	H
	*	2472	89.28	-	-	82.18	27.79	16.16	36.85	308	217	A	H
		2483.5	71.39	-2.61	74	64.23	27.83	16.18	36.85	308	217	P	H
		2483.5	52.48	-1.52	54	45.32	27.83	16.18	36.85	308	217	A	H
													H
													H
	*	2472	91.21	-	-	84.11	27.79	16.16	36.85	400	222	P	V
	*	2472	82	-	-	74.9	27.79	16.16	36.85	400	222	A	V
		2483.5	64.14	-9.86	74	56.98	27.83	16.18	36.85	400	222	P	V
		2483.5	45.86	-8.14	54	38.7	27.83	16.18	36.85	400	222	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 Partial 52 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 52/40 CH 13 2472MHz	*	2472	100.57	-	-	93.47	27.79	16.16	36.85	307	207	P	H
	*	2472	91.01	-	-	83.91	27.79	16.16	36.85	307	207	A	H
		2483.55	70.9	-3.1	74	63.74	27.83	16.18	36.85	307	207	P	H
		2483.5	52.02	-1.98	54	44.86	27.83	16.18	36.85	307	207	A	H
													H
													H
	*	2472	93.31	-	-	86.21	27.79	16.16	36.85	400	222	P	V
	*	2472	83.39	-	-	76.29	27.79	16.16	36.85	400	222	A	V
		2483.5	64.33	-9.67	74	57.17	27.83	16.18	36.85	400	222	P	V
		2483.5	46.61	-7.39	54	39.45	27.83	16.18	36.85	400	222	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 Partial 106 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ax HE20 Partial 106/54 CH 13 2472MHz	*	2472	97.11	-	-	90.01	27.79	16.16	36.85	309	225	P	H	
	*	2472	88.58	-	-	81.48	27.79	16.16	36.85	309	225	A	H	
		2483.5	72.21	-1.79	74	65.05	27.83	16.18	36.85	309	225	P	H	
		2483.5	52.37	-1.63	54	45.21	27.83	16.18	36.85	309	225	A	H	
													H	
														H
	*	2472	91.71	-	-	84.61	27.79	16.16	36.85	400	222	P	V	
	*	2472	82.98	-	-	75.88	27.79	16.16	36.85	400	222	A	V	
		2483.5	64.14	-9.86	74	56.98	27.83	16.18	36.85	400	222	P	V	
		2483.5	46.15	-7.85	54	38.99	27.83	16.18	36.85	400	222	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 Partial 242 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 242/61 CH 13 2472MHz	*	2472	100.73	-	-	93.63	27.79	16.16	36.85	300	203	P	H
	*	2472	91.84	-	-	84.74	27.79	16.16	36.85	300	203	A	H
		2483.5	71.73	-2.27	74	64.57	27.83	16.18	36.85	300	203	P	H
		2483.5	49.27	-4.73	54	42.11	27.83	16.18	36.85	300	203	A	H
													H
													H
	*	2472	89.68	-	-	82.58	27.79	16.16	36.85	383	215	P	V
	*	2472	80.36	-	-	73.26	27.79	16.16	36.85	383	215	A	V
		2483.55	64.11	-9.89	74	56.95	27.83	16.18	36.85	383	215	P	V
		2483.5	45.26	-8.74	54	38.1	27.83	16.18	36.85	383	215	A	V
												V	
												V	
Remark	3. No other spurious found. 4. 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.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 11 2462MHz	*	2462	99.69	-	-	92.64	27.75	16.15	36.85	300	227	P	H
	*	2462	89.38	-	-	82.33	27.75	16.15	36.85	300	227	A	H
		2483.6	71.71	-2.29	74	64.55	27.83	16.18	36.85	300	227	P	H
		2483.5	52.13	-1.87	54	44.97	27.83	16.18	36.85	300	227	A	H
												P	H
												A	H
	*	2462	91.19	-	-	84.14	27.75	16.15	36.85	400	223	P	V
	*	2462	82.3	-	-	75.25	27.75	16.15	36.85	400	223	A	V
		2483.5	66.86	-7.14	74	59.7	27.83	16.18	36.85	400	223	P	V
		2483.5	47.93	-6.07	54	40.77	27.83	16.18	36.85	400	223	A	V
											P	V	
											A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz
WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)**

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Partial 484/66 CH 11 2462MHz	*	2462	97.23	-	-	90.18	27.75	16.15	36.85	305	210	P	H
	*	2462	88.26	-	-	81.21	27.75	16.15	36.85	305	210	A	H
		2483.5	71.15	-2.85	74	63.99	27.83	16.18	36.85	305	210	P	H
		2483.5	52.14	-1.86	54	44.98	27.83	16.18	36.85	305	210	A	H
													H
													H
	*	2462	89.41	-	-	82.36	27.75	16.15	36.85	400	223	P	V
	*	2460	80.19	-	-	73.16	27.74	16.14	36.85	400	223	A	V
		2483.5	64.56	-9.44	74	57.4	27.83	16.18	36.85	400	223	P	V
		2483.5	46.06	-7.94	54	38.9	27.83	16.18	36.85	400	223	A	V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<Antenna C>

2.4GHz 2400~2483.5MHz

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

WIFI Ant. 5+4	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 13 2472MHz	*	2472	97.46	-	-	90.36	27.79	16.16	36.85	244	228	P	H
	*	2472	88	-	-	80.9	27.79	16.16	36.85	244	228	A	H
		2483.508	72.13	-1.87	74	64.97	27.83	16.18	36.85	244	228	P	H
		2483.508	52.32	-1.68	54	45.16	27.83	16.18	36.85	244	228	A	H
													H
													H
	*	2472	91.14	-	-	84.04	27.79	16.16	36.85	100	359	P	V
	*	2472	81.85	-	-	74.75	27.79	16.16	36.85	100	359	A	V
		2483.508	65.75	-8.25	74	58.59	27.83	16.18	36.85	100	359	P	V
		2483.508	46.91	-7.09	54	39.75	27.83	16.18	36.85	100	359	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 Partial 26 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 26/8 CH 13 2472MHz	*	2472	96.53	-	-	89.43	27.79	16.16	36.85	246	229	P	H
	*	2472	88.22	-	-	81.12	27.79	16.16	36.85	246	229	A	H
		2483.584	71.19	-2.81	74	64.03	27.83	16.18	36.85	246	229	P	H
		2483.508	51.5	-2.5	54	44.34	27.83	16.18	36.85	246	229	A	H
													H
													H
	*	2472	89.6	-	-	82.5	27.79	16.16	36.85	100	359	P	V
	*	2472	81.9	-	-	74.8	27.79	16.16	36.85	100	359	A	V
		2483.622	63.85	-10.15	74	56.69	27.83	16.18	36.85	100	359	P	V
		2483.508	45.91	-8.09	54	38.75	27.83	16.18	36.85	100	359	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 Partial 52 (Band Edge @ 3m)**

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 52/40 CH 13 2472MHz	*	2472	96.91	-	-	89.81	27.79	16.16	36.85	239	228	P	H
	*	2472	88.87	-	-	81.77	27.79	16.16	36.85	239	228	A	H
		2483.66	70.75	-3.25	74	63.59	27.83	16.18	36.85	239	228	P	H
		2483.508	52.01	-1.99	54	44.85	27.83	16.18	36.85	239	228	A	H
													H
													H
	*	2480	90.98	-	-	83.84	27.82	16.17	36.85	100	1	P	V
	*	2480	82.58	-	-	75.44	27.82	16.17	36.85	100	1	A	V
		2483.584	65.68	-8.32	74	58.52	27.83	16.18	36.85	100	1	P	V
		2483.5	47.12	-6.88	54	39.96	27.83	16.18	36.85	100	1	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 Partial 106 (Band Edge @ 3m)**

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/54 CH 13 2472MHz	*	2472	94.03	-	-	86.93	27.79	16.16	36.85	242	227	P	H
	*	2472	85.36	-	-	78.26	27.79	16.16	36.85	242	227	A	H
		2483.508	69.66	-4.34	74	62.5	27.83	16.18	36.85	242	227	P	H
		2483.508	49.83	-4.17	54	42.67	27.83	16.18	36.85	242	227	A	H
													H
													H
	*	2472	86.96	-	-	79.86	27.79	16.16	36.85	100	358	P	V
	*	2472	78.87	-	-	71.77	27.79	16.16	36.85	100	358	A	V
		2483.546	63.7	-10.3	74	56.54	27.83	16.18	36.85	100	358	P	V
		2483.508	44.52	-9.48	54	37.36	27.83	16.18	36.85	100	358	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 Partial 242 (Band Edge @ 3m)**

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ax HE20 Partial 242/61 CH 13 2472MHz	*	2472	97.77	-	-	90.67	27.79	16.16	36.85	253	226	P	H	
	*	2472	88.87	-	-	81.77	27.79	16.16	36.85	253	226	A	H	
		2483.584	72.1	-1.9	74	64.94	27.83	16.18	36.85	253	226	P	H	
		2483.508	52.43	-1.57	54	45.27	27.83	16.18	36.85	253	226	A	H	
													H	
														H
	*	2472	90.6	-	-	83.5	27.79	16.16	36.85	100	358	P	V	
	*	2472	82.14	-	-	75.04	27.79	16.16	36.85	100	358	A	V	
		2483.546	66.05	-7.95	74	58.89	27.83	16.18	36.85	100	358	P	V	
		2483.508	46.73	-7.27	54	39.57	27.83	16.18	36.85	100	358	A	V	
													V	
													V	
Remark	3. No other spurious found. 4. 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.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 11 2462MHz	*	2462	97.2	-	-	90.15	27.75	16.15	36.85	203	187	P	H
	*	2462	88.43	-	-	81.38	27.75	16.15	36.85	203	187	A	H
		2483.5	61.15	-12.85	74	53.99	27.83	16.18	36.85	203	187	P	H
		2483.5	49.44	-4.56	54	42.28	27.83	16.18	36.85	203	187	A	H
												P	H
												A	H
	*	2462	92.58	-	-	85.53	27.75	16.15	36.85	100	356	P	V
	*	2462	83.92	-	-	76.87	27.75	16.15	36.85	100	356	A	V
		2483.5	56.76	-17.24	74	49.6	27.83	16.18	36.85	100	356	P	V
		2483.5	45.33	-8.67	54	38.17	27.83	16.18	36.85	100	356	A	V
											P	V	
											A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz
WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)**

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
5+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Partial 484/65 CH 11 2462MHz	*	2462	95.77	-	-	88.72	27.75	16.15	36.85	256	223	P	H
	*	2462	85.87	-	-	78.82	27.75	16.15	36.85	256	223	A	H
		2483.5	69.98	-4.02	74	62.82	27.83	16.18	36.85	256	223	P	H
		2483.5	51.18	-2.82	54	44.02	27.83	16.18	36.85	256	223	A	H
												P	H
												A	H
	*	2462	87.33	-	-	80.28	27.75	16.15	36.85	100	6	P	V
	*	2462	78.45	-	-	71.4	27.75	16.15	36.85	100	6	A	V
		2483.5	64.49	-9.51	74	57.33	27.83	16.18	36.85	100	6	P	V
		2483.5	45.01	-8.99	54	37.85	27.83	16.18	36.85	100	6	A	V
												P	V
												A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Note symbol

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



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

WIFI Ant. 1+2	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		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
2412MHz													

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 G. Radiated Spurious Emission Plots

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	21.4~23.4°C
		Relative Humidity :	56~59%

Note symbol

-L	Low channel location
-R	High channel location



<Antenna A>

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 CH13 2472MHz	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH13 2472MHz	
5+4	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

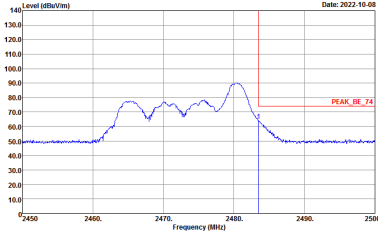
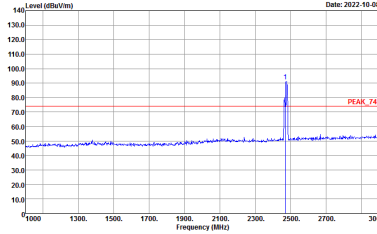
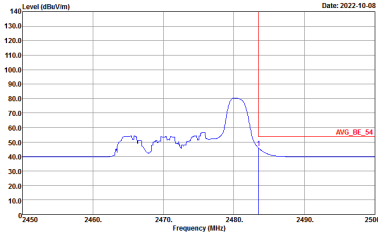
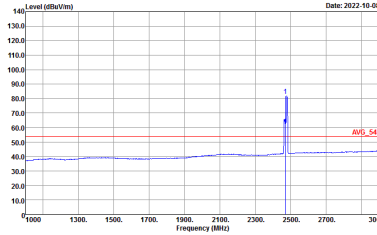


2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH13 2472MHz	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>
Avg.		

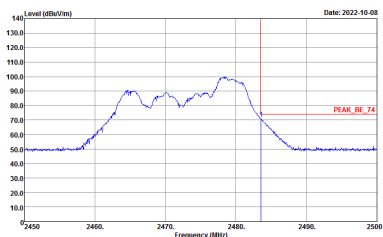
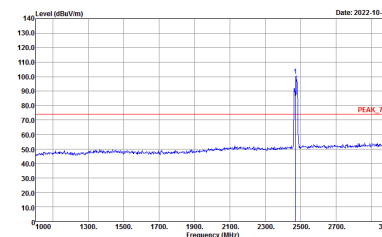
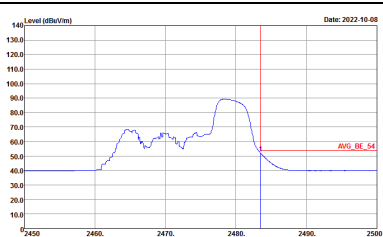
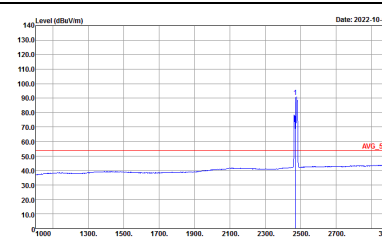


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH13 2472MHz	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH13 2472MHz	
5+4	Horizontal	Fundamental
Peak	 <p>Level (dBu/Vm) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBu/Vm, and the x-axis ranges from 2450 to 2500 MHz. A peak is marked at approximately 2472 MHz with a value of 74 dBu/Vm, labeled 'PEAK_BE_74'. The plot shows a broad signal between 2450 and 2480 MHz.</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBu/Vm) vs Frequency (MHz) plot for Fundamental polarization. The y-axis ranges from 10.0 to 140.0 dBu/Vm, and the x-axis ranges from 1900 to 3000 MHz. A sharp peak is marked at 2472 MHz with a value of 74 dBu/Vm, labeled 'PEAK_74'. The rest of the spectrum is flat.</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
	 <p>Level (dBu/Vm) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBu/Vm, and the x-axis ranges from 2450 to 2500 MHz. An average value is marked at approximately 2472 MHz with a value of 54 dBu/Vm, labeled 'AVG_BE_54'. The plot shows a broad signal between 2450 and 2480 MHz.</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Level (dBu/Vm) vs Frequency (MHz) plot for Fundamental polarization. The y-axis ranges from 10.0 to 140.0 dBu/Vm, and the x-axis ranges from 1900 to 3000 MHz. An average value is marked at 2472 MHz with a value of 54 dBu/Vm, labeled 'AVG_54'. The rest of the spectrum is flat.</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>
Avg.		



WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH13 2472MHz	
5+4	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH13 2472MHz	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

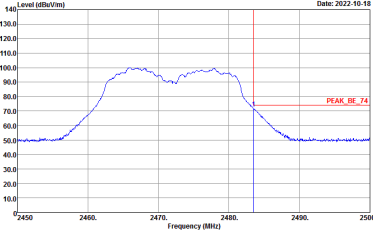
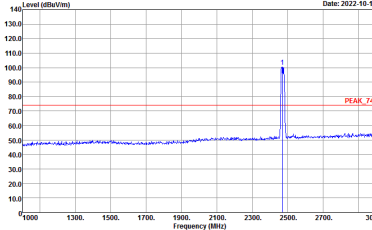
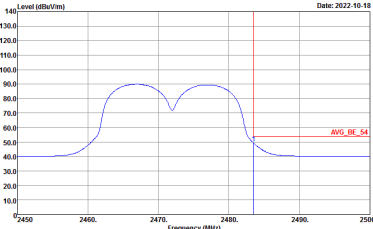
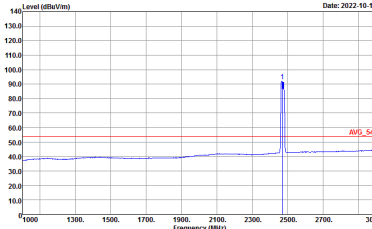


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH13 2472MHz	
5+4	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 242 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/62 CH13 2472MHz	
5+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

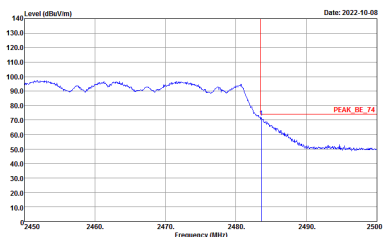
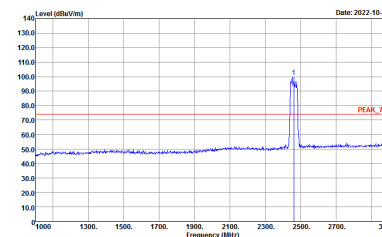
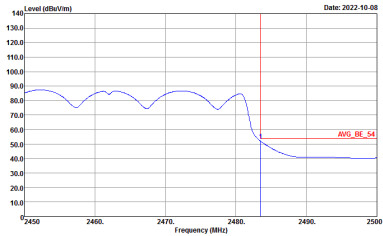
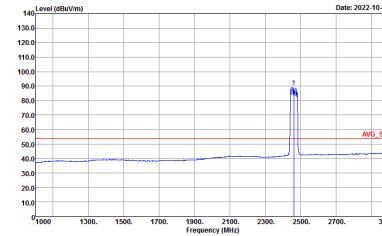


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/62 CH13 2472MHz	
5+4	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

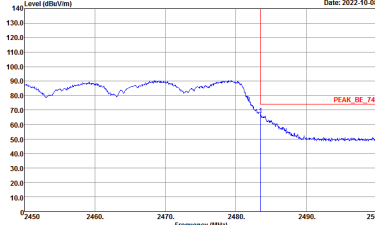
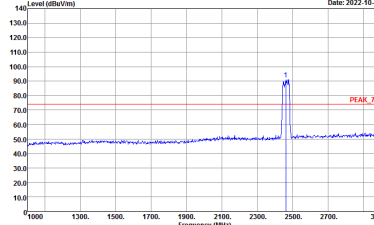
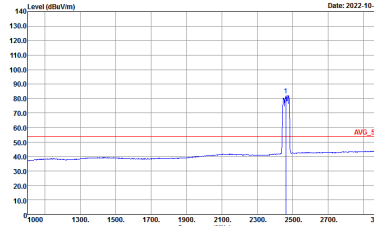


2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH11 2462MHz -	
5+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH11 2462MHz -	
5+4	Vertical	Fundamental
Peak	 <p>Date: 2022-10-08</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2022-10-08</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2022-10-08</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Date: 2022-10-08</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

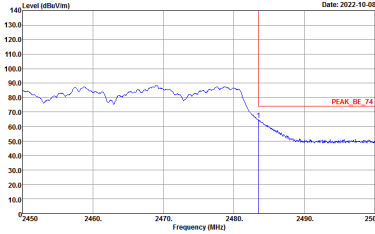
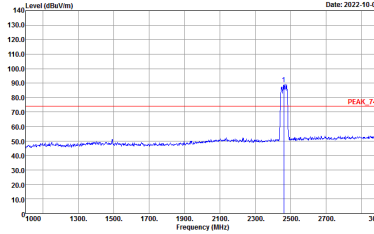
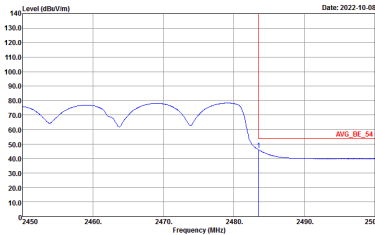
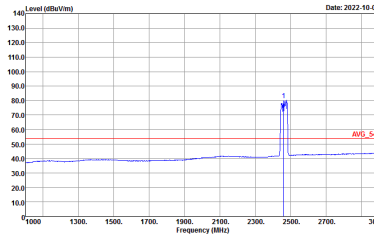


2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/66 CH11 2472MHz	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/66 CH11 2472MHz	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



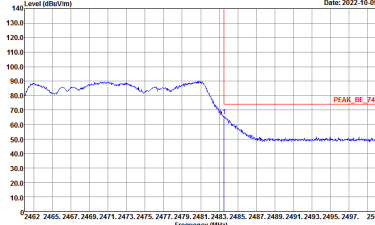
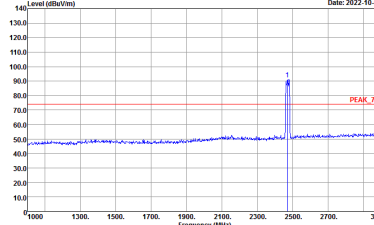
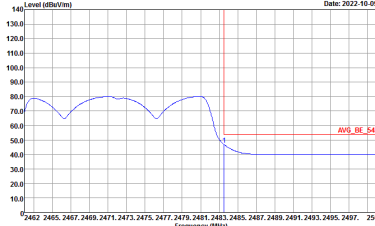
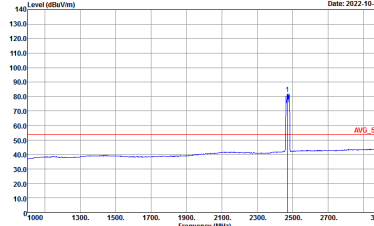
<Antenna C>

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 CH13 2472MHz	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH13 2472MHz	
5+4	Vertical	Fundamental
Peak	 <p>Date: 2022-10-09</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2022-10-09</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2022-10-09</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Date: 2022-10-09</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

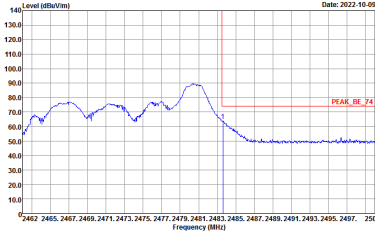
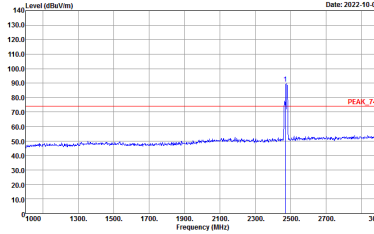
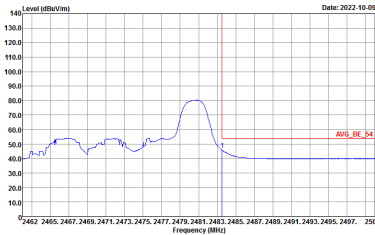
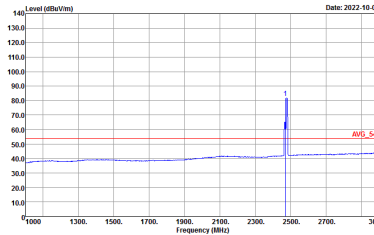


2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH13 2472MHz	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

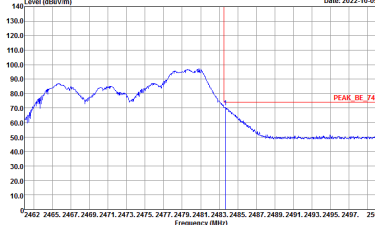
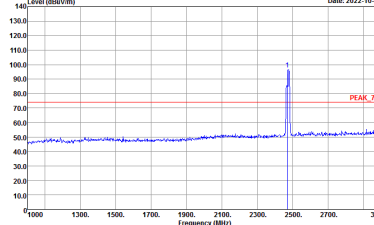
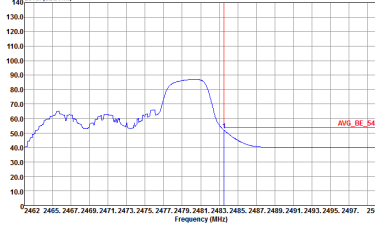
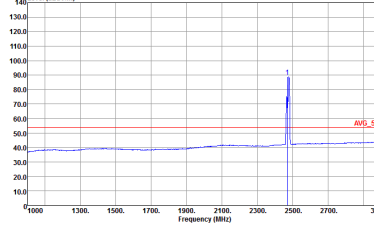


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH13 2472MHz	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

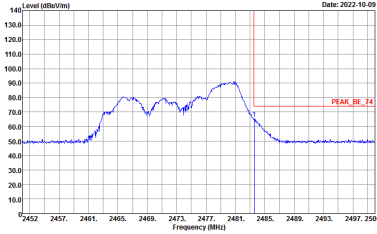
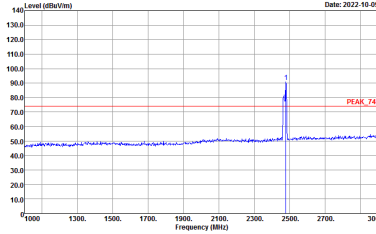
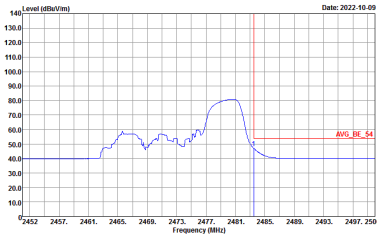
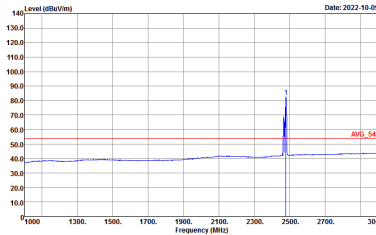


2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH13 2472MHz	
5+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

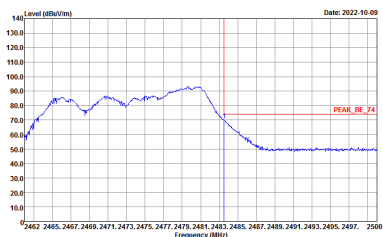
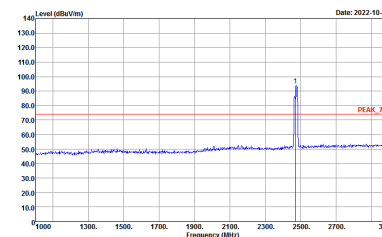
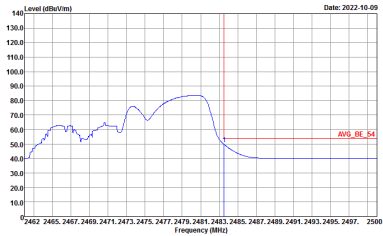
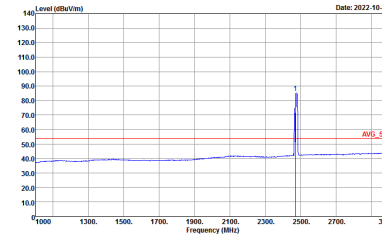


WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH13 2472MHz	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

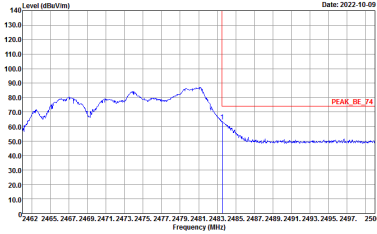
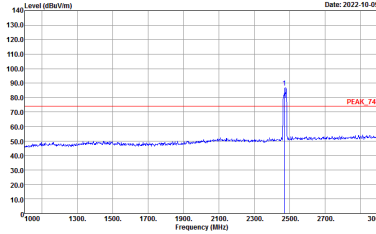
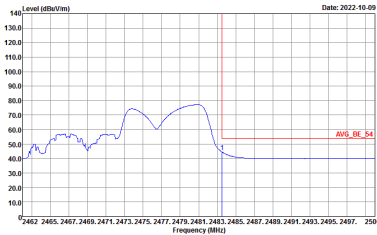
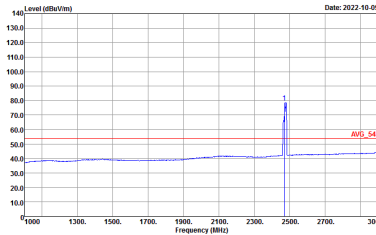


2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH13 2472MHz	
5+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

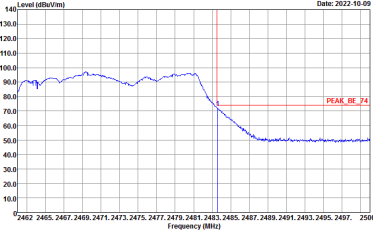
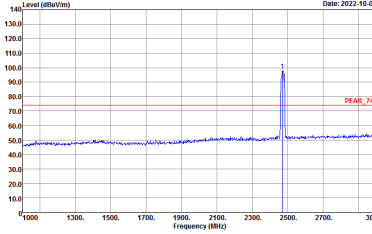
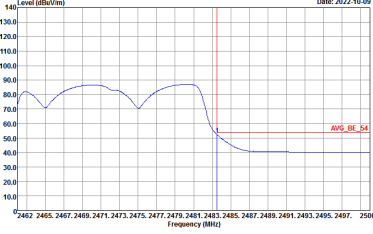
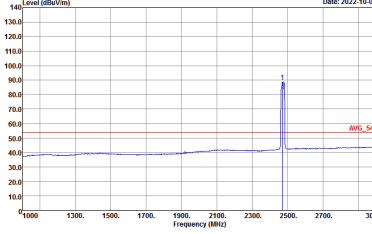


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH13 2472MHz	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 242 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH13 2472MHz	
5+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH13 2472MHz	
5+4	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.0100KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.0100KHz SWT:Auto</p>

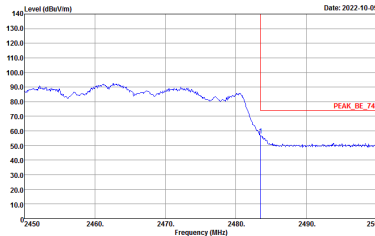
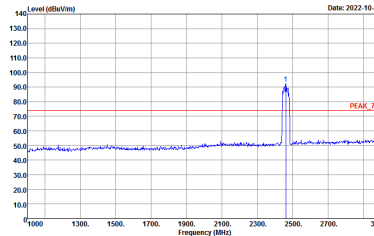
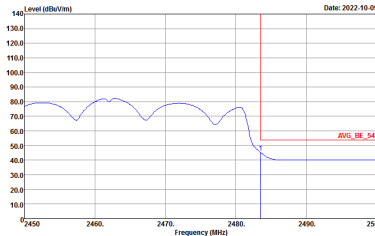
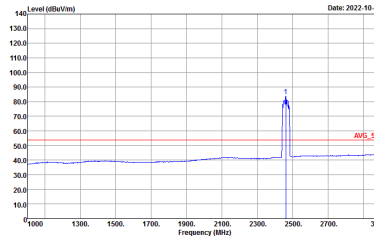


2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH11 2462MHz - L	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH11 2462MHz - R	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL</p>

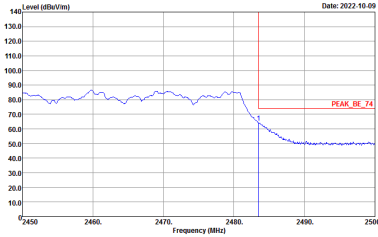
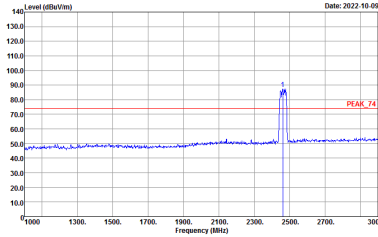
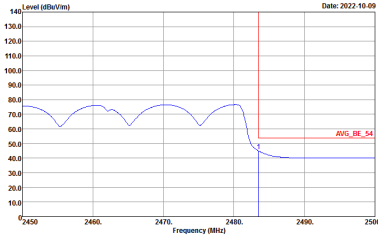
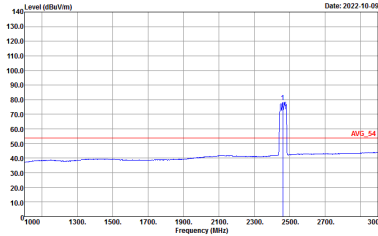


2.4GHz 2400~2483.5MHz

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH11 2462MHz	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH11 2462MHz	
5+4	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL</p>

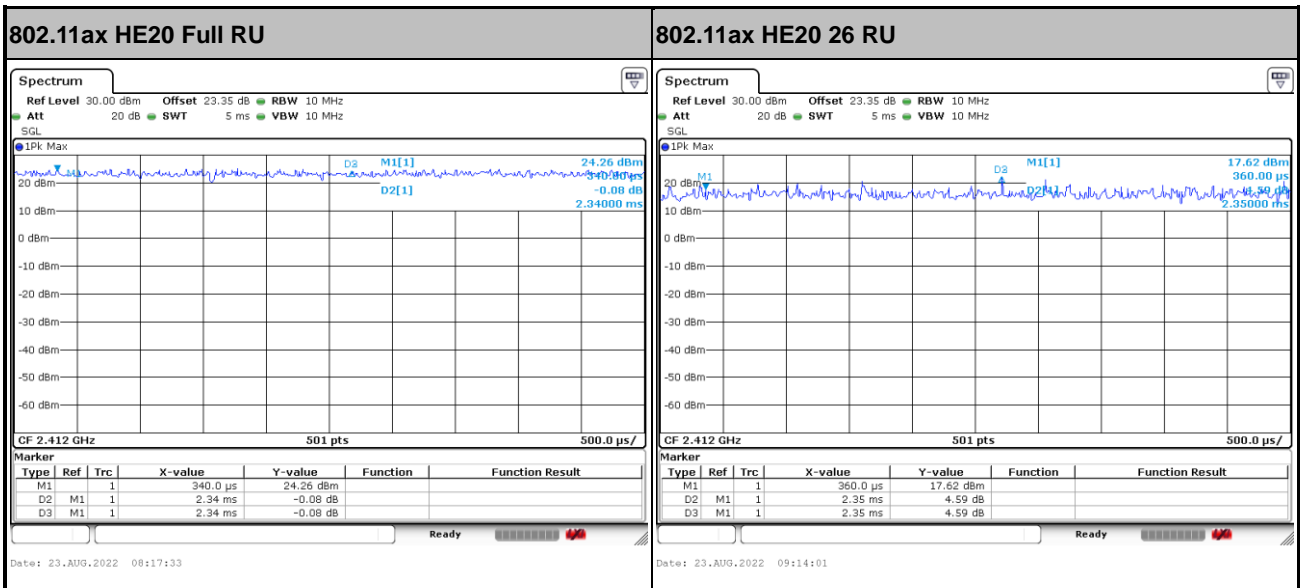
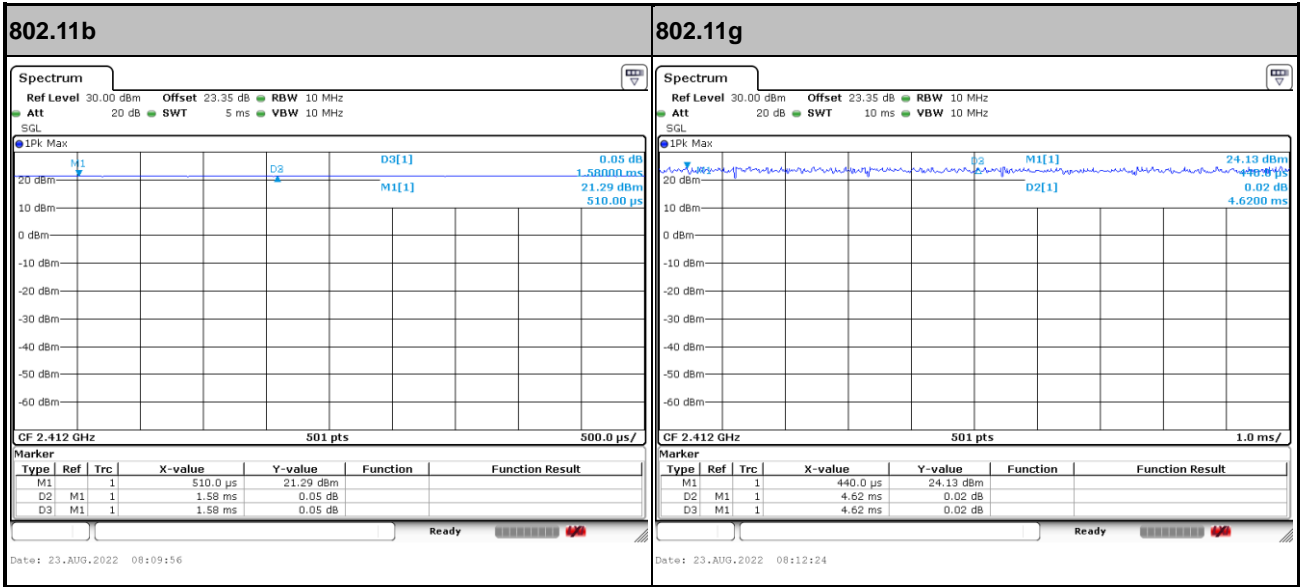


Appendix H. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
5+4	2.4GHz 802.11b for Ant. 5	100.00	-	-	10Hz
5+4	2.4GHz 802.11b for Ant. 4	100.00	-	-	10Hz
5+4	2.4GHz 802.11g for Ant. 5	100.00	-	-	10Hz
5+4	2.4GHz 802.11g for Ant. 4	100.00	-	-	10Hz
5+4	802.11ax HE20 for Ant. 5 Full RU	100.00	-	-	10Hz
5+4	802.11ax HE20 for Ant. 4 Full RU	100.00	-	-	10Hz
5+4	802.11ax HE20 for Ant. 5 26 RU	100.00	-	-	10Hz
5+4	802.11ax HE20 for Ant. 4 26 RU	100.00	-	-	10Hz
5+4	802.11ax HE20 for Ant. 5 52 RU	100.00	-	-	10Hz
5+4	802.11ax HE20 for Ant. 4 52 RU	100.00	-	-	10Hz
5+4	802.11ax HE20 for Ant. 5 106 RU	100.00	-	-	10Hz
5+4	802.11ax HE20 for Ant. 4 106 RU	100.00	-	-	10Hz
5+4	802.11ax HE20 for Ant. 5 242 RU	100.00	-	-	10Hz
5+4	802.11ax HE20 for Ant. 4 242 RU	100.00	-	-	10Hz
5+4	802.11ax HE40 for Ant. 5 Full RU	100.00	-	-	10Hz
5+4	802.11ax HE40 for Ant. 4 Full RU	100.00	-	-	10Hz
5+4	802.11ax HE40 for Ant. 5 484 RU	100.00	-	-	10Hz
5+4	802.11ax HE40 for Ant. 4 484 RU	100.00	-	-	10Hz

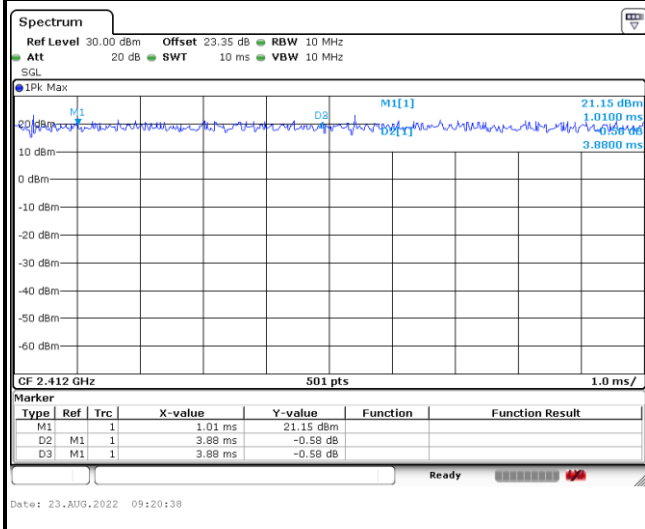


MIMO <Ant. 5>

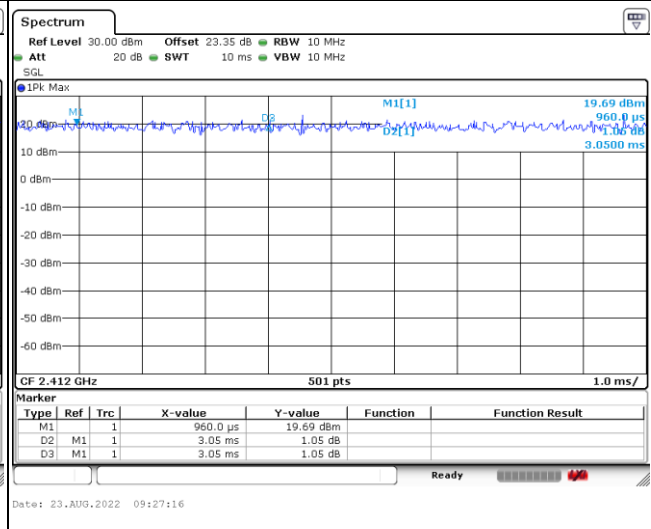




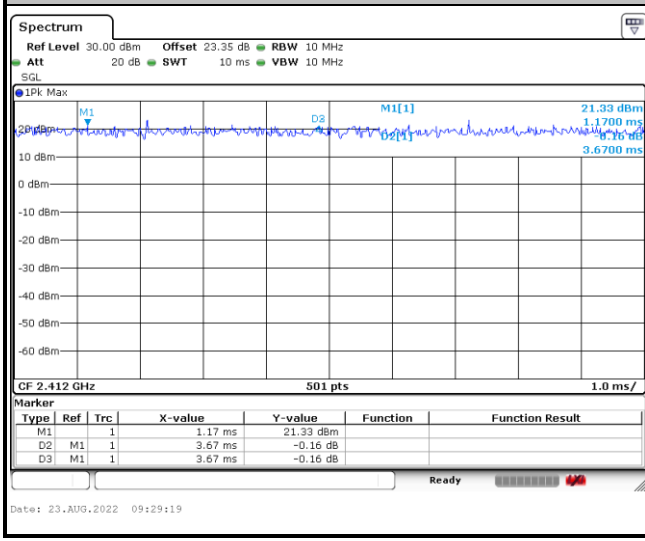
802.11ax HE20 52 RU



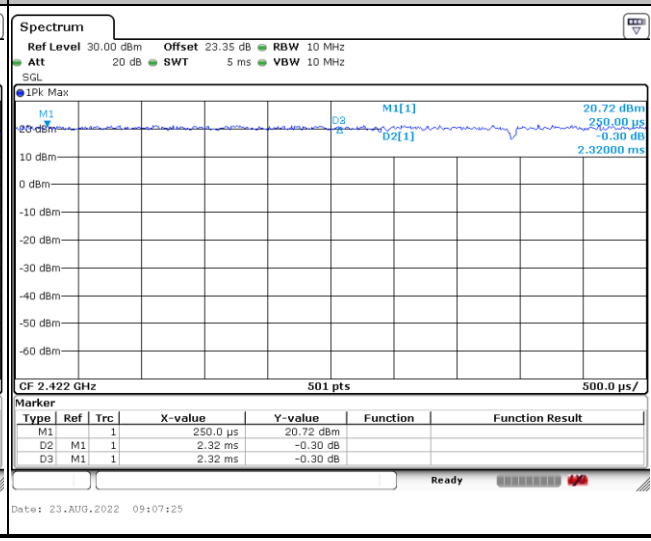
802.11ax HE20 106 RU

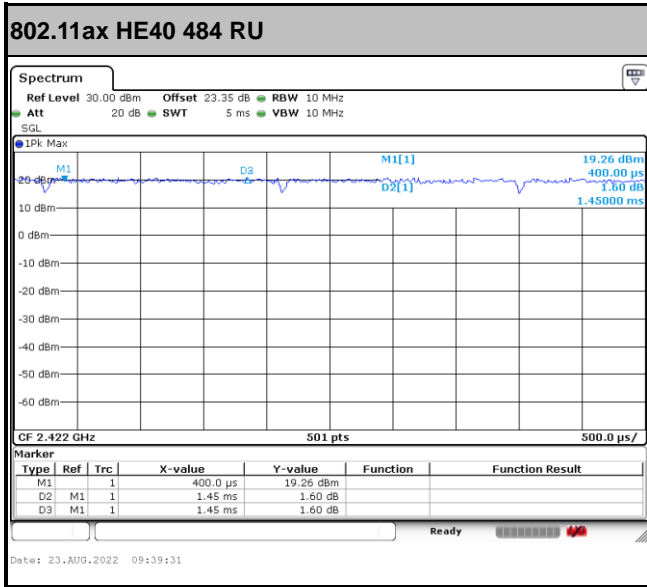


802.11ax HE20 242 RU



802.11ax HE40 Full RU







MIMO <Ant. 4>

