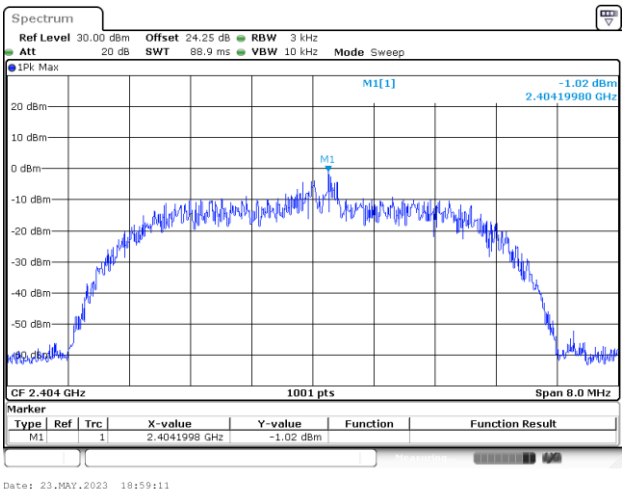
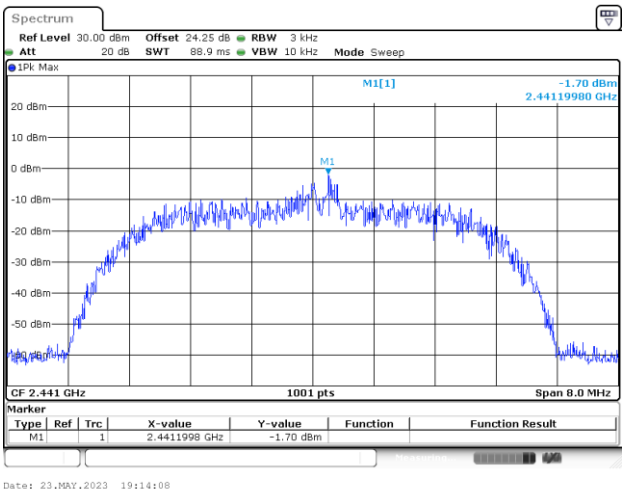
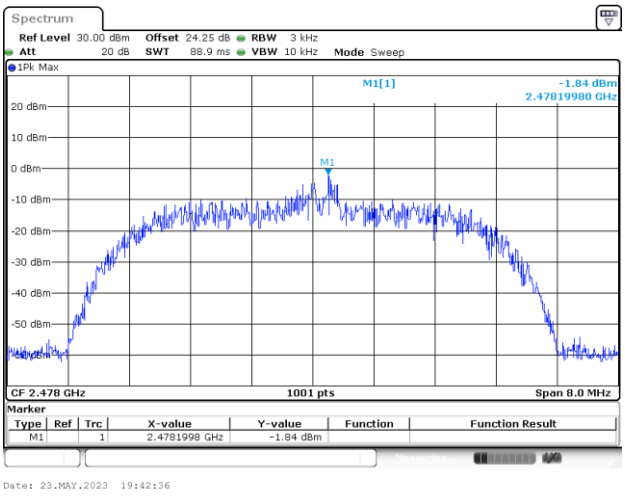
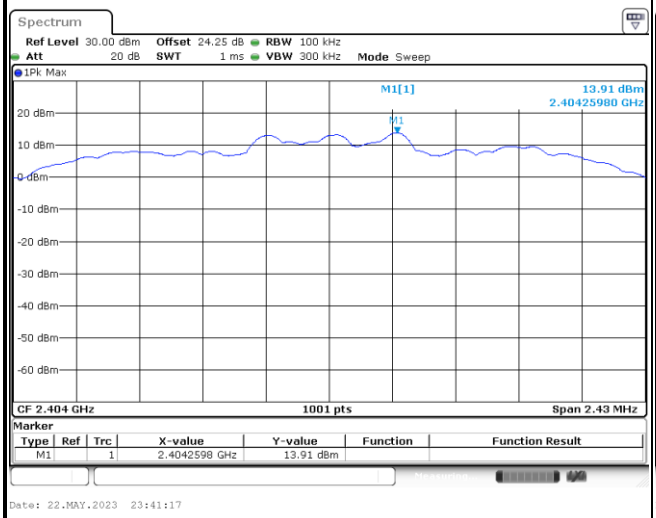
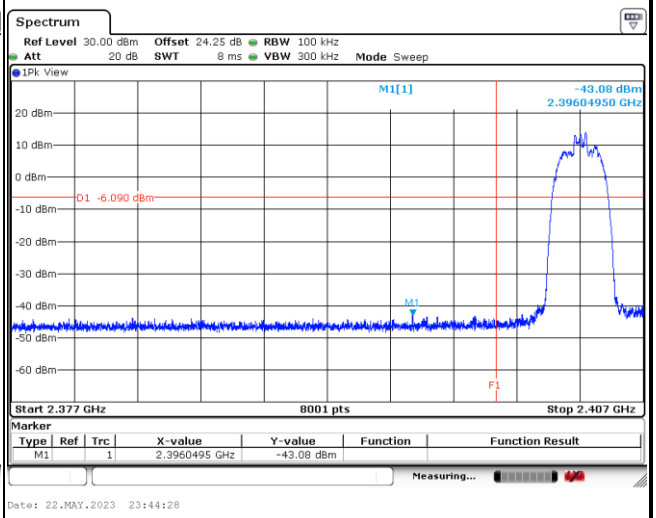
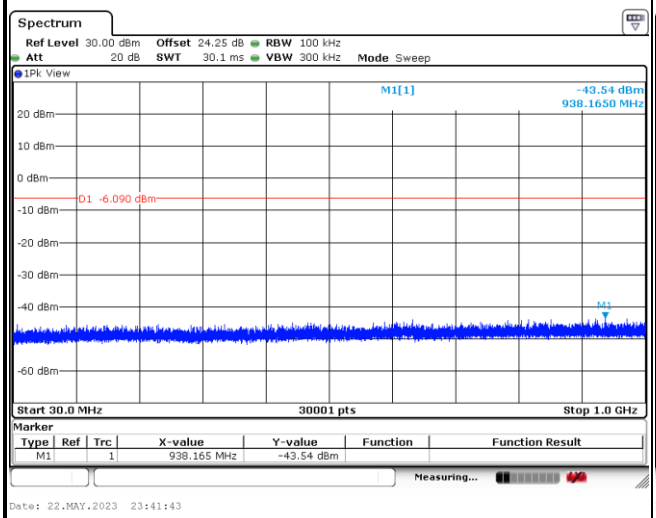
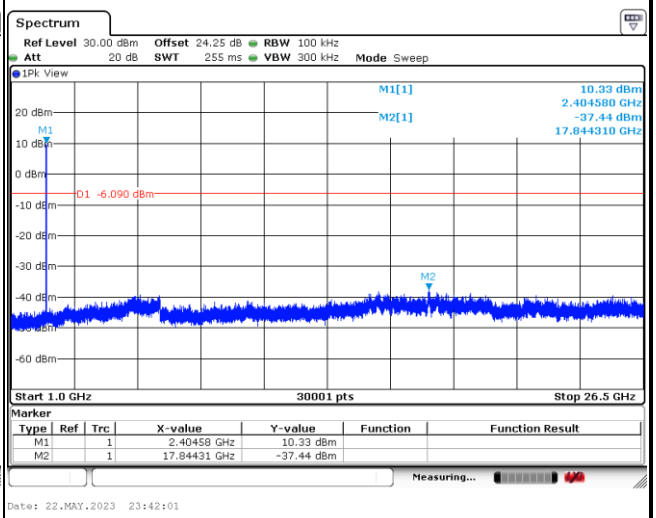
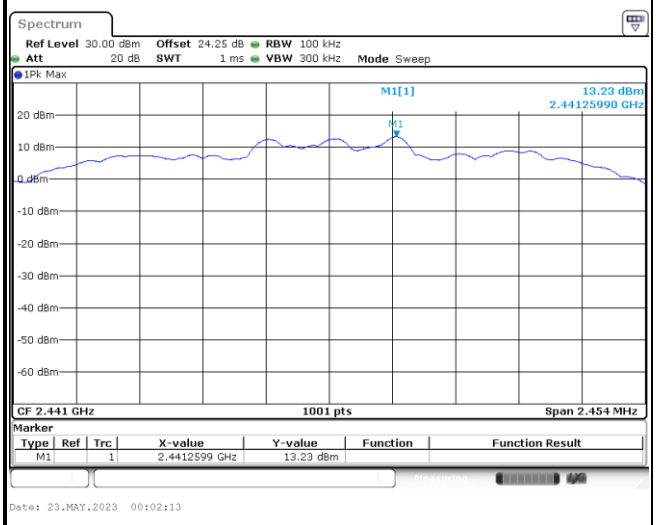
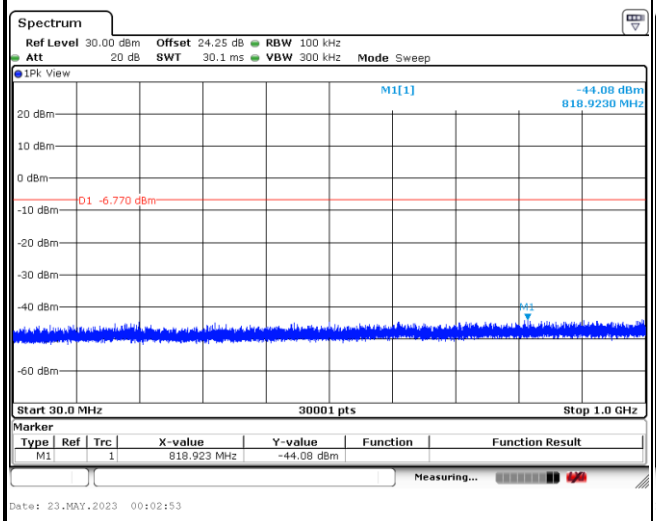
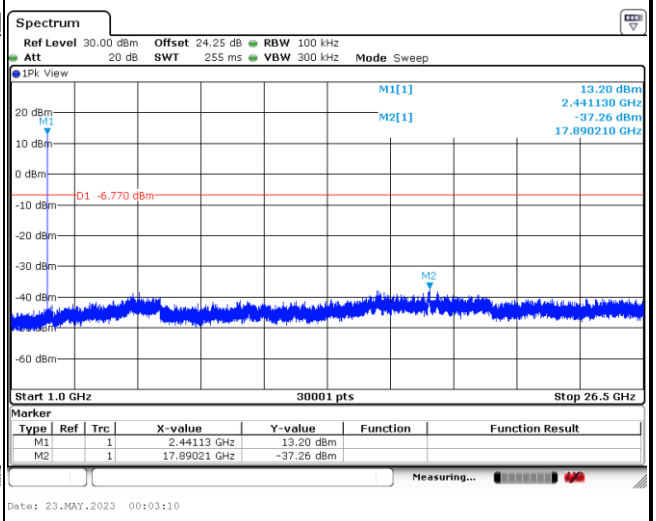
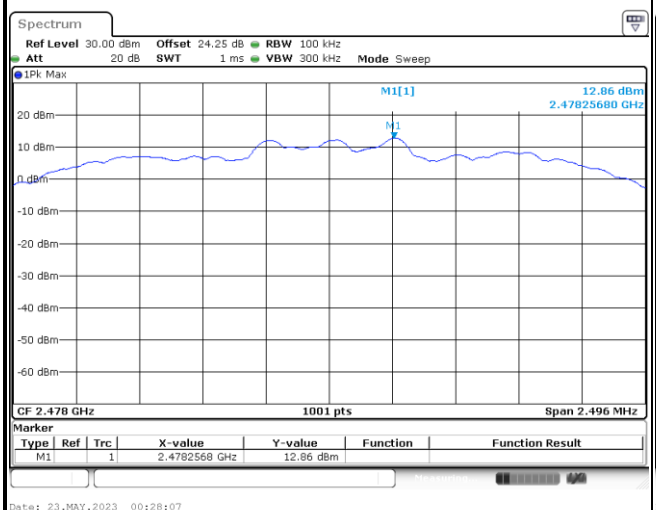
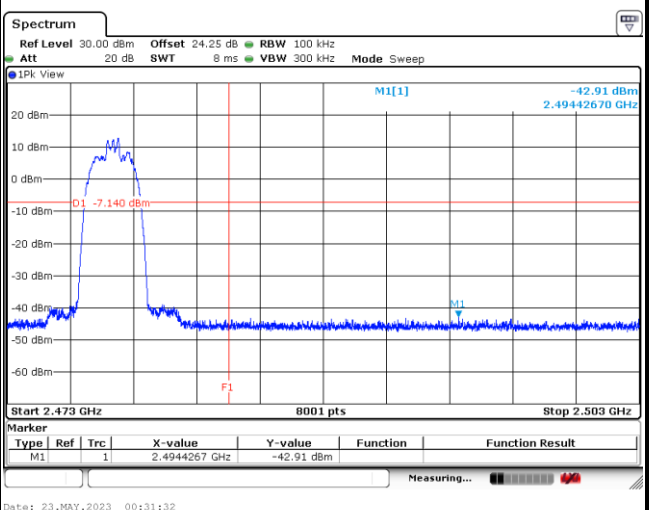
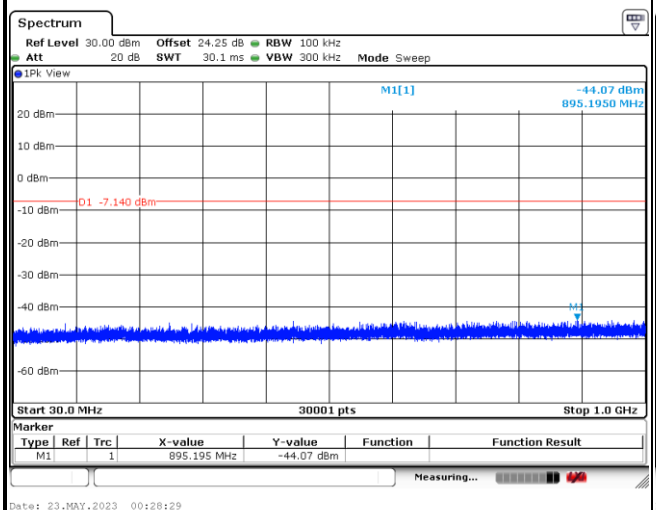
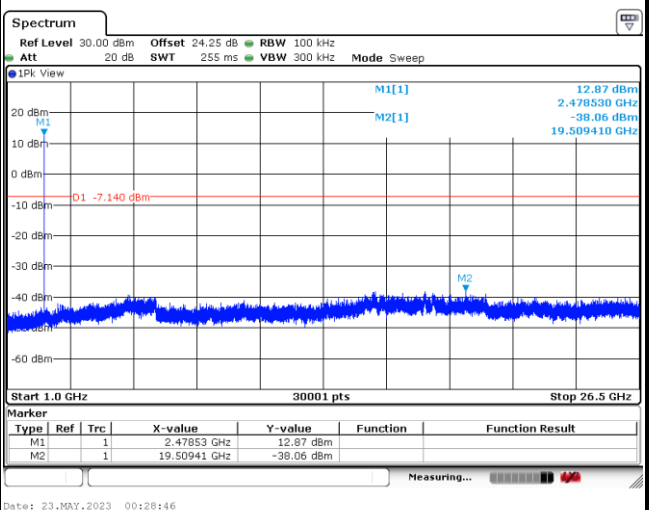
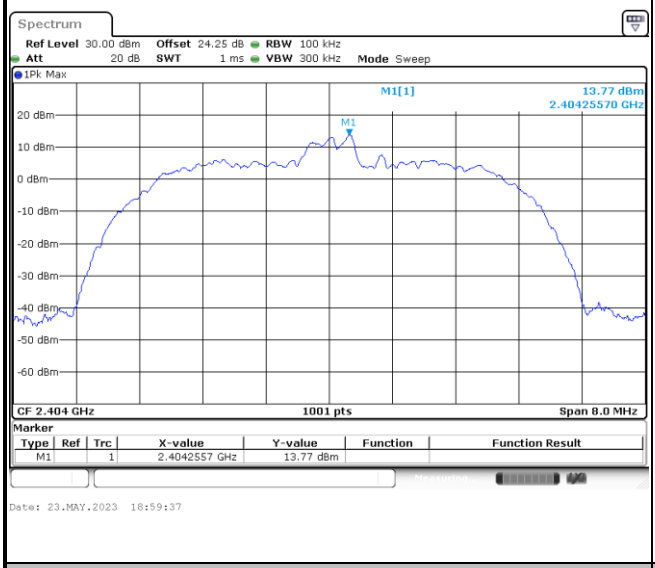
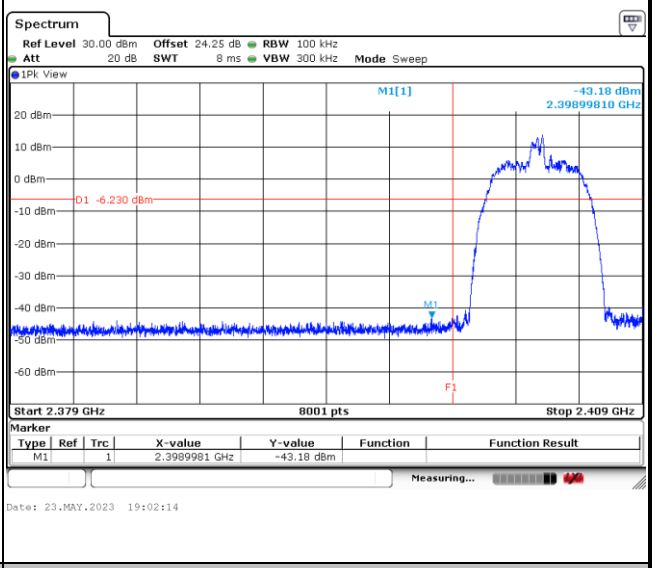
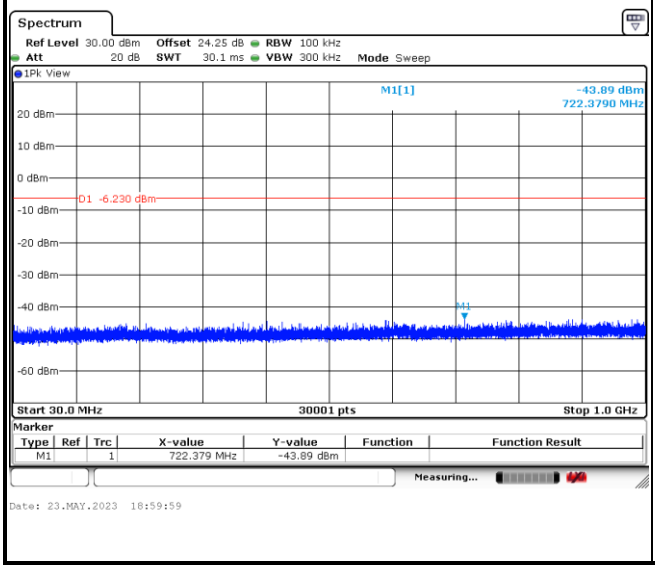
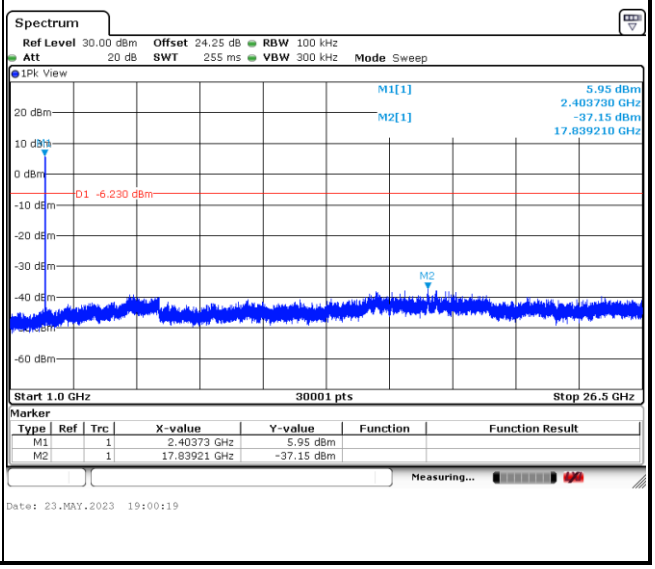
< HR 8Mbps >	
Power Density (dBm/3kHz) Plot Channel 02	**Power Density (dBm/3kHz) Plot Channel 39**
	
Power Density (dBm/3kHz Plot Channel 76	
	

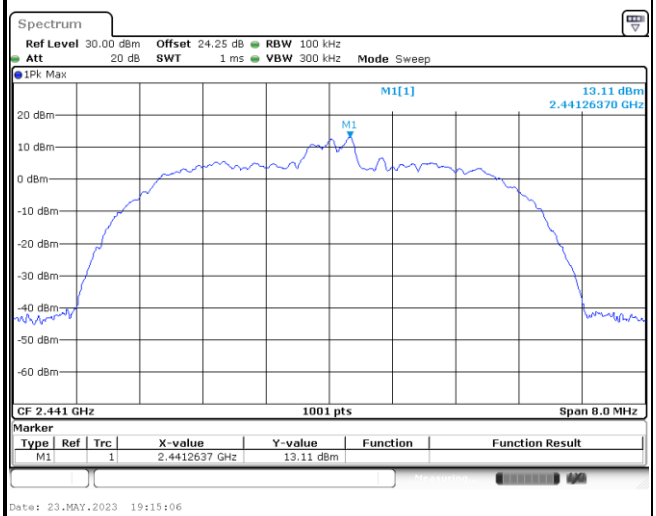
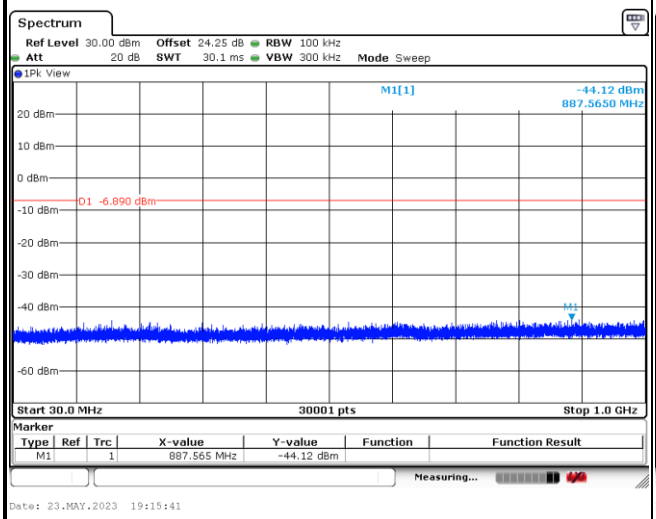
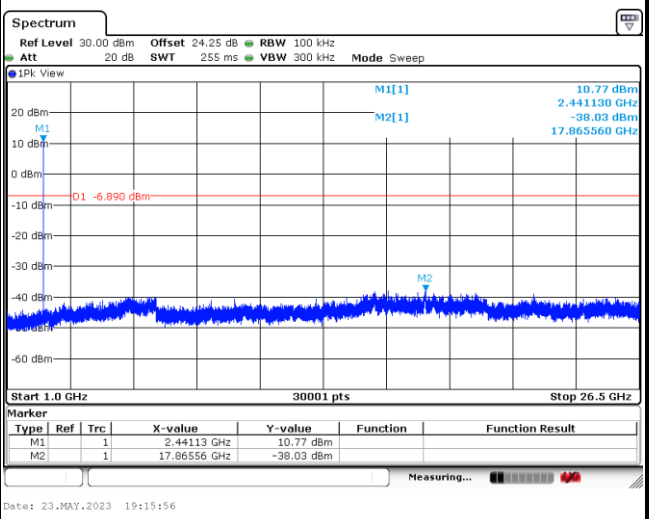
Band Edge and Spurious Emission

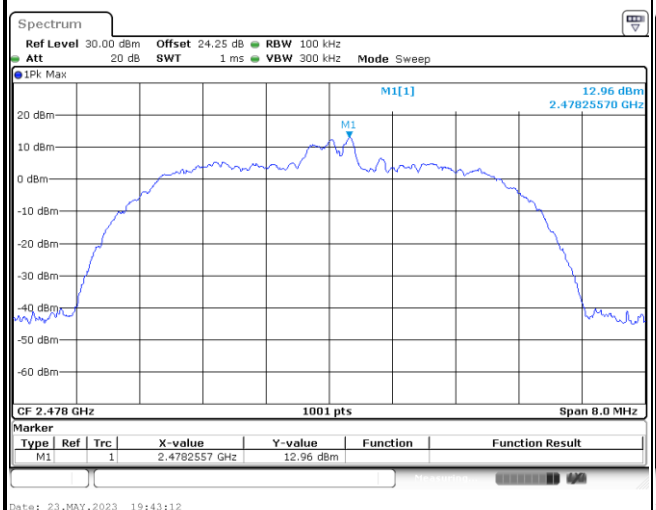
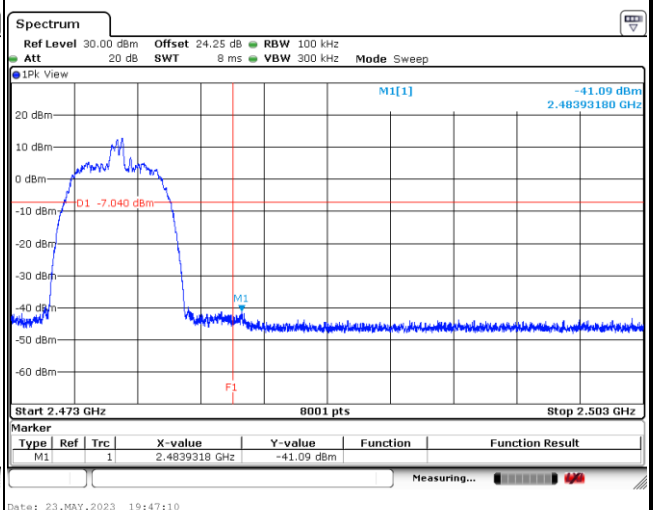
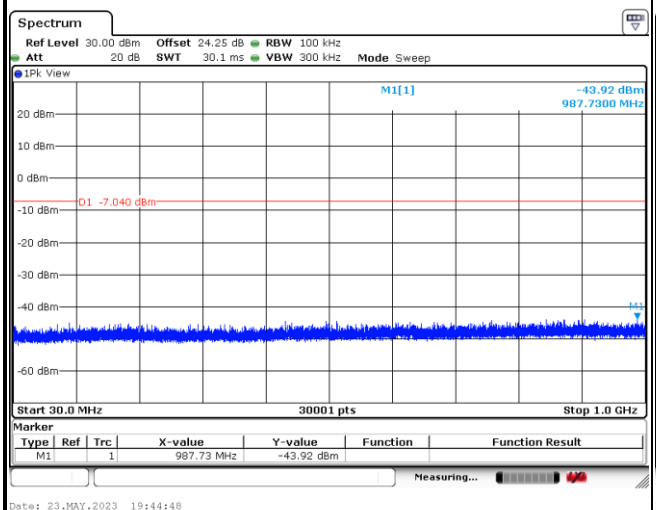
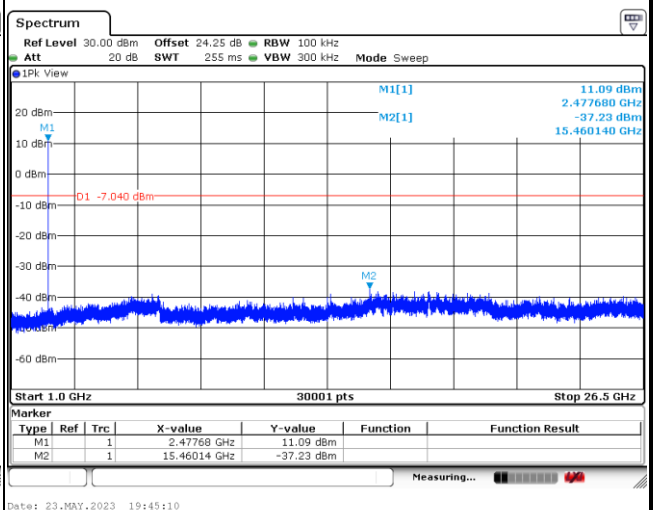
< HR 4Mbps > Channel 02	
100kHz PSD reference Level Plot	**Low Channel Plot**
	
Spurious Emission 30MHz~1GHz Plot	**Spurious Emission 1GHz~26.5GHz Plot**
	

< HR 4Mbps > Channel 39	
100kHz PSD reference Level Plot	**Low Channel Plot**
	
Spurious Emission 30MHz~1GHz Plot	**Spurious Emission 1GHz~26.5GHz Plot**
	

< HR 4Mbps > Channel 76	
100kHz PSD reference Level Plot	**Low Channel Plot**
	
Spurious Emission 30MHz~1GHz Plot	**Spurious Emission 1GHz~26.5GHz Plot**
	

< HR 8Mbps > Channel 02	
100kHz PSD reference Level Plot	Low Channel Plot
	
Spurious Emission 30MHz~1GHz Plot	Spurious Emission 1GHz~26.5GHz Plot
	

< HR 8Mbps > Channel 39	
100kHz PSD reference Level Plot	**Low Channel Plot**
	
Spurious Emission 30MHz~1GHz Plot	**Spurious Emission 1GHz~26.5GHz Plot**
	

< HR 8Mbps > Channel 76	
100kHz PSD reference Level Plot	Low Channel Plot
	
Spurious Emission 30MHz~1GHz Plot	Spurious Emission 1GHz~26.5GHz Plot
	

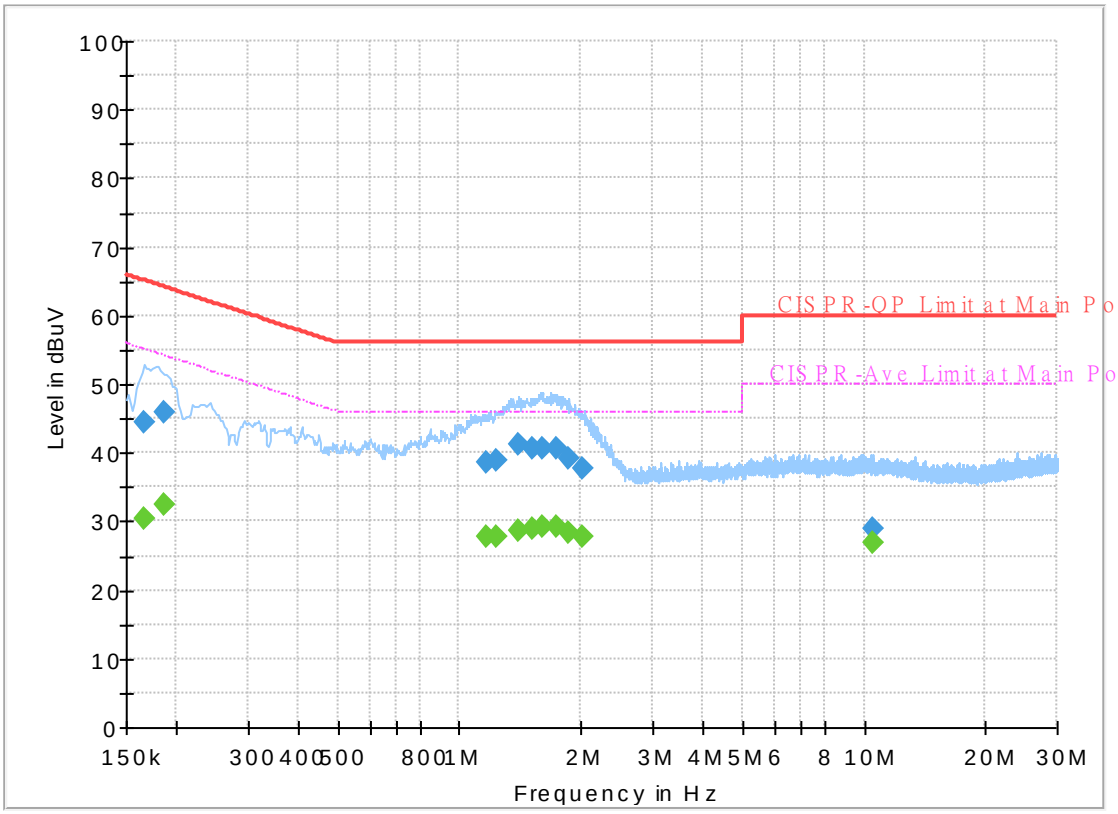
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	**Temperature :**	23 ~ 26℃
		Relative Humidity :	45 ~ 55%

EUT Information

Report NO :	2D0208-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

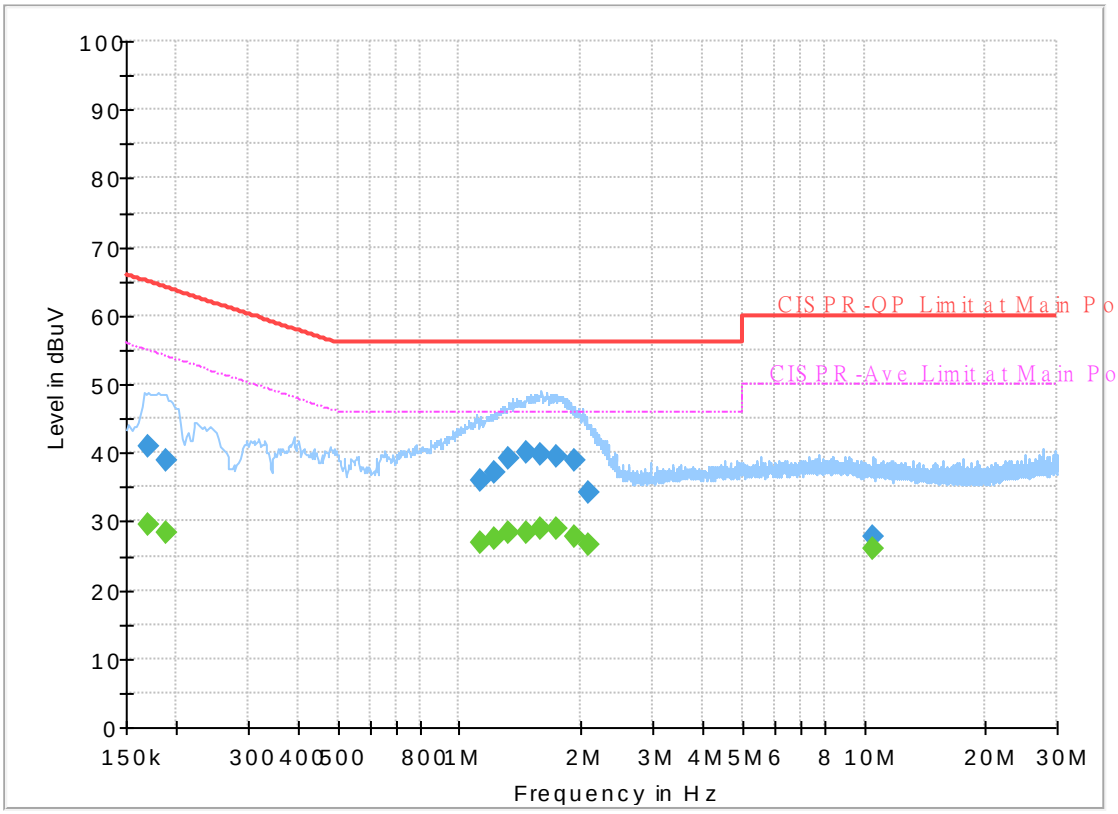
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.165750	---	30.32	55.17	24.85	L1	OFF	19.9
0.165750	44.49	---	65.17	20.68	L1	OFF	19.9
0.186000	---	32.44	54.21	21.77	L1	OFF	19.9
0.186000	45.90	---	64.21	18.31	L1	OFF	19.9
1.171500	---	27.78	46.00	18.22	L1	OFF	19.9
1.171500	38.58	---	56.00	17.42	L1	OFF	19.9
1.239000	---	27.82	46.00	18.18	L1	OFF	19.9
1.239000	38.94	---	56.00	17.06	L1	OFF	19.9
1.396500	---	28.58	46.00	17.42	L1	OFF	19.9
1.396500	41.08	---	56.00	14.92	L1	OFF	19.9
1.511250	---	28.85	46.00	17.15	L1	OFF	19.9
1.511250	40.60	---	56.00	15.40	L1	OFF	19.9
1.603500	---	29.22	46.00	16.78	L1	OFF	19.9
1.603500	40.60	---	56.00	15.40	L1	OFF	19.9
1.734000	---	29.22	46.00	16.78	L1	OFF	19.9
1.734000	40.62	---	56.00	15.38	L1	OFF	19.9
1.871250	---	28.34	46.00	17.66	L1	OFF	19.9
1.871250	39.26	---	56.00	16.74	L1	OFF	19.9
2.006250	---	27.74	46.00	18.26	L1	OFF	19.9
2.006250	37.67	---	56.00	18.33	L1	OFF	19.9
10.527000	---	26.82	50.00	23.18	L1	OFF	20.3

10.527000	**29.06**	**---**	**60.00**	**30.94**	**L1**	**OFF**	**20.3**

EUT Information

Report NO :	2D0208-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	29.47	54.95	25.48	N	OFF	19.9
0.170250	40.85	---	64.95	24.10	N	OFF	19.9
0.188250	---	28.43	54.11	25.68	N	OFF	19.9
0.188250	38.99	---	64.11	25.12	N	OFF	19.9
1.131000	---	26.94	46.00	19.06	N	OFF	19.9
1.131000	35.97	---	56.00	20.03	N	OFF	19.9
1.223250	---	27.56	46.00	18.44	N	OFF	19.9
1.223250	37.24	---	56.00	18.76	N	OFF	19.9
1.324500	---	28.48	46.00	17.52	N	OFF	19.9
1.324500	39.15	---	56.00	16.85	N	OFF	19.9
1.466250	---	28.23	46.00	17.77	N	OFF	19.9
1.466250	39.96	---	56.00	16.04	N	OFF	19.9
1.594500	---	28.82	46.00	17.18	N	OFF	19.9
1.594500	39.75	---	56.00	16.25	N	OFF	19.9
1.729500	---	28.87	46.00	17.13	N	OFF	19.9
1.729500	39.50	---	56.00	16.50	N	OFF	19.9
1.918500	---	27.76	46.00	18.24	N	OFF	19.9
1.918500	39.02	---	56.00	16.98	N	OFF	19.9
2.091750	---	26.51	46.00	19.49	N	OFF	19.9
2.091750	34.28	---	56.00	21.72	N	OFF	19.9
10.542750	---	25.96	50.00	24.04	N	OFF	20.3

10.542750	**27.72**	**---**	**60.00**	**32.28**	**N**	**OFF**	**20.3**

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	**Temperature :**	20.3 ~ 26.1°C
		Relative Humidity :	43.5 ~ 68.1%

MIMO <Ant. 3+4 >

<1Mbps>

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 00 2402MHz		2386.02	55.68	-18.32	74	39.51	32.1	18.27	34.2	400	131	P	H
		2383.5	46.92	-7.08	54	30.75	32.1	18.27	34.2	400	131	A	H
	*	2402	111.16	-	-	94.98	32.1	18.28	34.2	400	131	P	H
	*	2402	110.77	-	-	94.59	32.1	18.28	34.2	400	131	A	H
													H
													H
		2357.355	56.42	-17.58	74	40.35	32.1	18.16	34.19	100	79	P	V
		2354.1	46.78	-7.22	54	30.72	32.1	18.15	34.19	100	79	A	V
	*	2402	114.31	-	-	98.13	32.1	18.28	34.2	100	79	P	V
	*	2402	113.95	-	-	97.77	32.1	18.28	34.2	100	79	A	V
													V
													V
BLE CH 19 2440MHz		2385.46	56.01	-17.99	74	39.84	32.1	18.27	34.2	100	137	P	H
		2389.66	46.84	-7.16	54	30.67	32.1	18.27	34.2	100	137	A	H
	*	2440	113.65	-	-	97.5	32.02	18.34	34.21	100	137	P	H
	*	2440	113.26	-	-	97.11	32.02	18.34	34.21	100	137	A	H
		2494.89	55.79	-18.21	74	39.62	32	18.39	34.22	100	137	P	H
		2494.89	46.83	-7.17	54	30.66	32	18.39	34.22	100	137	A	H
		2336.04	56.45	-17.55	74	40.58	32.02	18.04	34.19	100	222	P	V
		2389.94	46.92	-7.08	54	30.75	32.1	18.27	34.2	100	222	A	V
	*	2440	116.68	-	-	100.53	32.02	18.34	34.21	100	222	P	V
	*	2440	116.27	-	-	100.12	32.02	18.34	34.21	100	222	A	V
		2491.32	56.18	-17.82	74	40.01	32	18.39	34.22	100	222	P	V
		2496.99	46.61	-7.39	54	30.44	32	18.39	34.22	100	222	A	V

BLE	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE CH 39 2480MHz	*	2480	113.51	-	-	97.33	32	18.4	34.22	243	137	P	H
	*	2480	113.07	-	-	96.89	32	18.4	34.22	243	137	A	H
		2498.2	55.64	-18.36	74	39.47	32	18.39	34.22	243	137	P	H
		2483.92	46.87	-7.13	54	30.7	32	18.39	34.22	243	137	A	H
													H
													H
	*	2480	116.06	-	-	99.88	32	18.4	34.22	100	264	P	V
	*	2480	115.06	-	-	98.88	32	18.4	34.22	100	264	A	V
		2488.04	55.55	-18.45	74	39.38	32	18.39	34.22	100	264	P	V
		2484.64	47.09	-6.91	54	30.92	32	18.39	34.22	100	264	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

BLE (Harmonic @ 3m)

BLE	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE CH 00 2402MHz		4804	43.19	-30.81	74	55.16	34.02	13.01	59	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4804	42.24	-31.76	74	54.21	34.02	13.01	59	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

BLE	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)
		4880	43.94	-30.06	74	55.63	34.14	13.03	58.86	-	-	P	H
		7320	48.82	-25.18	74	55.26	35.7	15.36	57.5	351	217	P	H
		7320	41.82	-12.18	54	48.26	35.7	15.36	57.5	351	217	A	H
													H
													H
													H
													H
													H
													H
													H
													H
BLE CH 19 2440MHz		4880	43.97	-30.03	74	55.66	34.14	13.03	58.86	-	-	P	V
		7320	51.9	-22.1	74	58.34	35.7	15.36	57.5	297	208	P	V
		7320	46.6	-7.4	54	53.04	35.7	15.36	57.5	297	208	A	V
													V
													V
													V
													V
													V
													V
													V
													V

BLE	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE CH 39 2480MHz		4960	43.65	-30.35	74	55.02	34.3	13.04	58.71	-	-	P	H
		7440	49.44	-24.56	74	56.05	35.6	15.38	57.59	400	185	P	H
		7440	43.01	-10.99	54	49.62	35.6	15.38	57.59	400	185	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4960	42.31	-31.69	74	53.68	34.3	13.04	58.71	-	-	P	V
		7440	51.54	-22.46	74	58.15	35.6	15.38	57.59	320	206	P	V
		7440	46.31	-7.69	54	52.92	35.6	15.38	57.59	320	206	A	V
													V
													V
													V
													V
													V
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													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.

MIMO <Ant. 3+4 >

<2Mbps>

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 00 2402MHz		2384.865	55.92	-18.08	74	39.75	32.1	18.27	34.2	279	139	P	H
		2377.62	46.18	-7.82	54	30.11	32.1	18.17	34.2	279	139	A	H
	*	2402	113.08	-	-	96.9	32.1	18.28	34.2	279	139	P	H
	*	2402	111.31	-	-	95.13	32.1	18.28	34.2	279	139	A	H
													H
													H
		2364.285	56.47	-17.53	74	40.4	32.1	18.16	34.19	100	299	P	V
		2380.245	46.24	-7.76	54	30.07	32.1	18.27	34.2	100	299	A	V
	*	2402	117.04	-	-	100.86	32.1	18.28	34.2	100	299	P	V
	*	2402	115.11	-	-	98.93	32.1	18.28	34.2	100	299	A	V
													V
													V
BLE CH 19 2440MHz		2321.62	56.4	-17.6	74	40.61	31.93	18.04	34.18	100	127	P	H
		2380.84	46.32	-7.68	54	30.15	32.1	18.27	34.2	100	127	A	H
	*	2440	113.03	-	-	96.88	32.02	18.34	34.21	100	127	P	H
	*	2440	111.28	-	-	95.13	32.02	18.34	34.21	100	127	A	H
		2492.72	56.21	-17.79	74	40.04	32	18.39	34.22	100	127	P	H
		2488.8	46.14	-7.86	54	29.97	32	18.39	34.22	100	127	A	H
		2330.86	57.23	-16.77	74	41.39	31.99	18.04	34.19	100	216	P	V
		2363.34	46.52	-7.48	54	30.45	32.1	18.16	34.19	100	216	A	V
	*	2440	116.56	-	-	100.41	32.02	18.34	34.21	100	216	P	V
	*	2440	114.74	-	-	98.59	32.02	18.34	34.21	100	216	A	V
		2491.74	55.86	-18.14	74	39.69	32	18.39	34.22	100	216	P	V
		2484.32	46.22	-7.78	54	30.05	32	18.39	34.22	100	216	A	V

BLE	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE CH 39 2480MHz	*	2480	113.27	-	-	97.09	32	18.4	34.22	100	242	P	H
	*	2480	110.83	-	-	94.65	32	18.4	34.22	100	242	A	H
		2483.92	54.29	-19.71	74	38.12	32	18.39	34.22	100	242	P	H
		2483.52	47.83	-6.17	54	31.66	32	18.39	34.22	100	242	A	H
													H
													H
	*	2480	111.99	-	-	95.81	32	18.4	34.22	335	108	P	V
	*	2480	110.36	-	-	94.18	32	18.4	34.22	335	108	A	V
		2483.84	54.98	-19.02	74	38.81	32	18.39	34.22	335	108	P	V
		2483.52	47.04	-6.96	54	30.87	32	18.39	34.22	335	108	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

BLE (Harmonic @ 3m)

BLE	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE CH 00 2402MHz		4804	48.09	-25.91	74	60.06	34.02	13.01	59	249	122	P	H
		4804	41.83	-12.17	54	53.8	34.02	13.01	59	249	122	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4804	47.23	-26.77	74	59.2	34.02	13.01	59	398	67	P	V
		4804	40.93	-13.07	54	52.9	34.02	13.01	59	398	67	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

BLE	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)
		4880	48.6	-25.4	74	60.29	34.14	13.03	58.86	100	128	P	H
		4880	41.36	-12.64	54	53.05	34.14	13.03	58.86	100	128	A	H
		7320	51.64	-22.36	74	58.08	35.7	15.36	57.5	261	307	P	H
		7320	44.47	-9.53	54	50.91	35.7	15.36	57.5	261	307	A	H
													H
													H
													H
													H
													H
													H
													H
BLE CH 19 2440MHz													H
		4880	48.85	-25.15	74	60.54	34.14	13.03	58.86	320	62	P	V
		4880	41.15	-12.85	54	52.84	34.14	13.03	58.86	320	62	A	V
		7320	53.09	-20.91	74	59.53	35.7	15.36	57.5	315	18	P	V
		7320	46.26	-7.74	54	52.7	35.7	15.36	57.5	315	18	A	V
													V
													V
													V
													V
													V
													V
													V

BLE	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)
		4960	45.45	-28.55	74	56.82	34.3	13.04	58.71	100	117	P	H
		4960	36.6	-17.4	54	47.97	34.3	13.04	58.71	100	117	A	H
		7440	49.62	-24.38	74	56.23	35.6	15.38	57.59	264	318	P	H
		7440	41.97	-12.03	54	48.58	35.6	15.38	57.59	264	318	A	H
													H
													H
													H
													H
													H
													H
													H
BLE CH 39 2480MHz		4960	42.83	-31.17	74	54.2	34.3	13.04	58.71	-	-	P	V
		7440	49.77	-24.23	74	56.38	35.6	15.38	57.59	292	18	P	V
		7440	42.97	-11.03	54	49.58	35.6	15.38	57.59	292	18	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Emission above 18GHz

2.4GHz BLE (SHF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BLE SHF		18007	42.27	-31.73	74	51.25	37.7	12.92	59.6	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		18203	41.41	-32.59	74	51	37.7	12.35	59.64	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission below 1GHz

2.4GHz BLE (LF)

BLE	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BLE LF		68.61	24.65	-15.35	40	40.73	12.13	1.68	29.89	-	-	P	H
		98.31	32.52	-10.98	43.5	45.04	15.79	1.7	30.01	-	-	P	H
		197.4	27.39	-16.11	43.5	39.92	15.02	2.49	30.04	-	-	P	H
		764.8	30.82	-15.18	46	27.82	27.91	4.79	29.7	-	-	P	H
		868.4	32.92	-13.08	46	27.81	28.97	5.33	29.19	-	-	P	H
		953.8	33.47	-12.53	46	26.39	30.38	5.51	28.81	-	-	P	H
													H
													H
													H
													H
													H
													H
		33.51	33.19	-6.81	40	39.16	22.64	1.41	30.02	-	-	P	V
		94.8	28.65	-14.85	43.5	41.65	15.32	1.7	30.02	-	-	P	V
		192.81	24.86	-18.64	43.5	37.43	14.97	2.5	30.04	-	-	P	V
		778.8	30.54	-15.46	46	27.53	27.86	4.8	29.65	-	-	P	V
		876.8	32.88	-13.12	46	27.77	28.9	5.36	29.15	-	-	P	V
		954.5	33.45	-12.55	46	26.36	30.39	5.51	28.81	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.

MIMO <Ant. 3+4 >

<HR 4Mbps >

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	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)	TaBT Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 02 2404MHz		2325.12	54.63	-19.37	74	38.83	31.95	18.04	34.19	115	268	P	H
		2386.545	45.28	-8.72	54	29.11	32.1	18.27	34.2	115	268	A	H
	*	2404	111.34	-	-	95.17	32.09	18.28	34.2	115	268	P	H
	*	2404	107.99	-	-	91.82	32.09	18.28	34.2	115	268	A	H
													H
													H
		2346.33	55.16	-18.84	74	39.12	32.08	18.15	34.19	393	90	P	V
		2389.38	45.23	-8.77	54	29.06	32.1	18.27	34.2	393	90	A	V
	*	2404	104.94	-	-	88.77	32.09	18.28	34.2	393	90	P	V
	*	2404	101.66	-	-	85.49	32.09	18.28	34.2	393	90	A	V
													V
													V
BT CH 39 2441MHz		2345.28	54.61	-19.39	74	38.58	32.07	18.15	34.19	110	269	P	H
		2384.9	45.15	-8.85	54	28.98	32.1	18.27	34.2	110	269	A	H
	*	2441	110.34	-	-	94.19	32.02	18.34	34.21	110	269	P	H
	*	2441	107.05	-	-	90.9	32.02	18.34	34.21	110	269	A	H
		2493.07	54.38	-19.62	74	38.21	32	18.39	34.22	110	269	P	H
		2496.22	45.21	-8.79	54	29.04	32	18.39	34.22	110	269	A	H
		2359.98	54.83	-19.17	74	38.76	32.1	18.16	34.19	369	68	P	V
		2389.66	45.13	-8.87	54	28.96	32.1	18.27	34.2	369	68	A	V
	*	2441	103.95	-	-	87.8	32.02	18.34	34.21	369	68	P	V
	*	2441	100.82	-	-	84.67	32.02	18.34	34.21	369	68	A	V
		2491.95	55.54	-18.46	74	39.37	32	18.39	34.22	369	68	P	V
		2486.63	45.37	-8.63	54	29.2	32	18.39	34.22	369	68	A	V

BT	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)	TaBT Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 76 2478MHz	*	2478	110.61	-	-	94.43	32	18.4	34.22	133	263	P	H
	*	2478	106.8	-	-	90.62	32	18.4	34.22	133	263	A	H
		2497	54.8	-19.2	74	38.63	32	18.39	34.22	133	263	P	H
		2483.6	45.58	-8.42	54	29.41	32	18.39	34.22	133	263	A	H
													H
													H
	*	2478	104.65	-	-	88.47	32	18.4	34.22	364	79	P	V
	*	2478	101.64	-	-	85.46	32	18.4	34.22	364	79	A	V
		2485.68	54.96	-19.04	74	38.79	32	18.39	34.22	364	79	P	V
		2488.76	45.29	-8.71	54	29.12	32	18.39	34.22	364	79	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

BT (Harmonic @ 3m)

BT	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)	TaBT Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 02 2404MHz		4808	42.53	-31.47	74	54.52	34.03	13.01	59.03	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4808	42.35	-31.65	74	54.34	34.03	13.01	59.03	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

BT	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)	TaBT Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		4882	43.01	-30.99	74	54.75	34.14	13.03	58.91	-	-	P	H
		7323	44.38	-29.62	74	50.9	35.7	15.36	57.58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
BT CH 39 2441MHz													H
		4882	42.22	-31.78	74	53.96	34.14	13.03	58.91	-	-	P	V
		7323	44.68	-29.32	74	51.2	35.7	15.36	57.58	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

BT	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)	TaBT Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 76 2478MHz		4956	43.67	-30.33	74	55.1	34.3	13.05	58.78	-	-	P	H
		7434	43.23	-30.77	74	49.94	35.6	15.38	57.69	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4956	42.65	-31.35	74	54.08	34.3	13.05	58.78	-	-	P	V
		7434	43.35	-30.65	74	50.06	35.6	15.38	57.69	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

MIMO <Ant. 3+4 >

<HR 8Mbps >

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	TaBT Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH 02 2404MHz		2359.455	55.9	-18.1	74	39.83	32.1	18.16	34.19	146	269	P	H
		2372.37	45.19	-8.81	54	29.12	32.1	18.16	34.19	146	269	A	H
	*	2404	109.14	-	-	92.97	32.09	18.28	34.2	146	269	P	H
	*	2404	105.46	-	-	89.29	32.09	18.28	34.2	146	269	A	H
													H
													H
		2359.56	55.36	-18.64	74	39.29	32.1	18.16	34.19	393	87	P	V
		2379.195	45.28	-8.72	54	29.21	32.1	18.17	34.2	393	87	A	V
	*	2404	104.09	-	-	87.92	32.09	18.28	34.2	393	87	P	V
	*	2404	98.87	-	-	82.7	32.09	18.28	34.2	393	87	A	V
													V
													V
BT CH 39 2441MHz		2375.8	54.99	-19.01	74	38.92	32.1	18.17	34.2	115	278	P	H
		2381.4	45.14	-8.86	54	28.97	32.1	18.27	34.2	115	278	A	H
	*	2441	108.02	-	-	91.87	32.02	18.34	34.21	115	278	P	H
	*	2441	105.28	-	-	89.13	32.02	18.34	34.21	115	278	A	H
		2486.21	54.77	-19.23	74	38.6	32	18.39	34.22	115	278	P	H
		2493.07	45.29	-8.71	54	29.12	32	18.39	34.22	115	278	A	H
		2354.8	55.53	-18.47	74	39.46	32.1	18.16	34.19	386	64	P	V
		2382.8	45.23	-8.77	54	29.06	32.1	18.27	34.2	386	64	A	V
	*	2441	103.04	-	-	86.89	32.02	18.34	34.21	386	64	P	V
	*	2441	97.87	-	-	81.72	32.02	18.34	34.21	386	64	A	V
		2496.5	55.33	-18.67	74	39.16	32	18.39	34.22	386	64	P	V
		2499.44	45.15	-8.85	54	28.98	32	18.39	34.22	386	64	A	V

BT	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)	TaBT Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 76 2478MHz	*	2478	107.94	-	-	91.76	32	18.4	34.22	299	82	P	H
	*	2478	102.71	-	-	86.53	32	18.4	34.22	299	82	A	H
		2483.92	62.55	-11.45	74	46.38	32	18.39	34.22	299	82	P	H
		2483.6	51.38	-2.62	54	35.21	32	18.39	34.22	299	82	A	H
													H
													H
	*	2478	100.8	-	-	84.62	32	18.4	34.22	329	92	P	V
	*	2478	98.05	-	-	81.87	32	18.4	34.22	329	92	A	V
		2490.36	55.66	-18.34	74	39.49	32	18.39	34.22	329	92	P	V
		2483.6	47.24	-6.76	54	31.07	32	18.39	34.22	329	92	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

BT (Harmonic @ 3m)

BT	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)	TaBT Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 02 2404MHz		4808	40.29	-33.71	74	52.28	34.03	13.01	59.03	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4808	40.45	-33.55	74	52.44	34.03	13.01	59.03	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

BT	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)	TaBT Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		4882	40.99	-33.01	74	52.73	34.14	13.03	58.91	-	-	P	H
		7323	43.32	-30.68	74	49.84	35.7	15.36	57.58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
BT CH 39 2441MHz													H
		4882	41.54	-32.46	74	53.28	34.14	13.03	58.91	-	-	P	V
		7323	43.39	-30.61	74	49.91	35.7	15.36	57.58	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

BT	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)	TaBT Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		4956	41.31	-32.69	74	52.74	34.3	13.05	58.78	-	-	P	H
		7434	42.73	-31.27	74	49.44	35.6	15.38	57.69	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
BT CH 76 2478MHz													H
		4956	41.56	-32.44	74	52.99	34.3	13.05	58.78	-	-	P	V
		7434	42.58	-31.42	74	49.29	35.6	15.38	57.69	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission above 18GHz

2.4GHz BT (SHF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	TaBT	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BT SHF		18189	43.03	-30.97	74	52.62	37.7	12.35	59.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		18007	43.64	-30.36	74	52.62	37.7	12.92	59.6	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission below 1GHz

2.4GHz BT (LF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	TaBT	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BT LF		68.88	26.41	-13.59	40	42.44	12.17	1.68	29.88	-	-	P	H
		95.88	31.87	-11.63	43.5	44.79	15.4	1.7	30.02	-	-	P	H
		195.51	24.3	-19.2	43.5	36.88	14.96	2.5	30.04	-	-	P	H
		746.6	29.82	-16.18	46	27.14	27.64	4.78	29.74	-	-	P	H
		836.9	31.71	-14.29	46	27.59	28.37	5.11	29.36	-	-	P	H
		951.7	33.61	-12.39	46	26.59	30.33	5.51	28.82	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	32.06	-7.94	40	36.63	24.11	1.4	30.08	-	-	P	V
		95.88	25.79	-17.71	43.5	38.71	15.4	1.7	30.02	-	-	P	V
		164.46	22.65	-20.85	43.5	34.19	16.05	2.39	29.98	-	-	P	V
		795.6	30.5	-15.5	46	27.2	27.89	5	29.59	-	-	P	V
		881	32.67	-13.33	46	27.57	28.85	5.37	29.12	-	-	P	V
		959.4	34.35	-11.65	46	26.94	30.68	5.51	28.78	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.

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 **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

BT	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	TaBT	Peak	Pol.
				Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
	(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH 00 2402MHz	2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
	2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = CaBT loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	**Temperature :**	20.3 ~ 26.1°C
		Relative Humidity :	43.5 ~ 68.1%

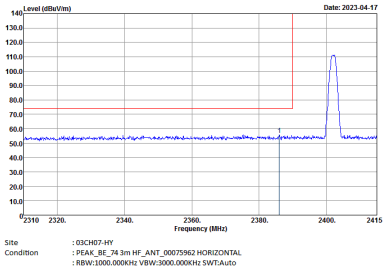
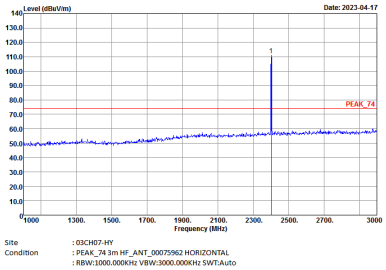
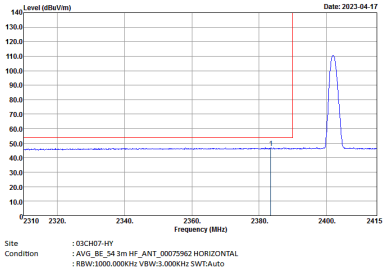
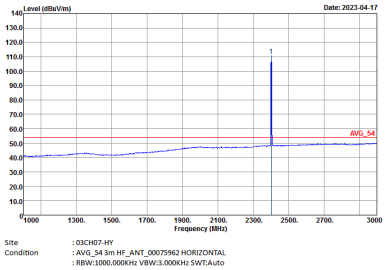
Note symbol

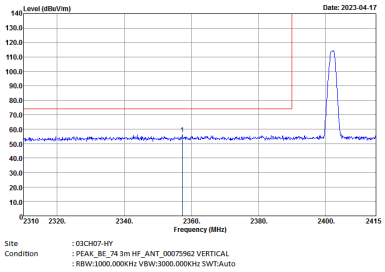
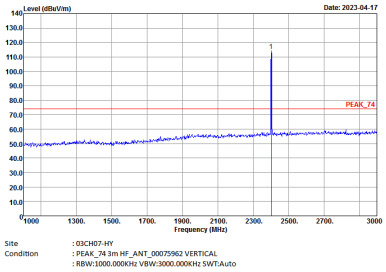
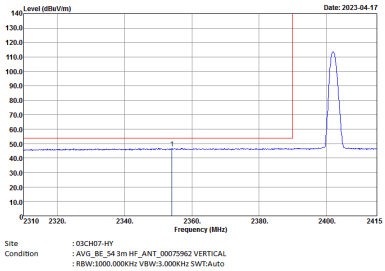
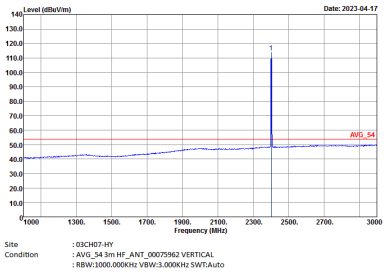
-L	**Low channel location**
-R	**High channel location**

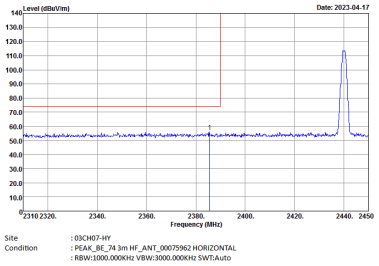
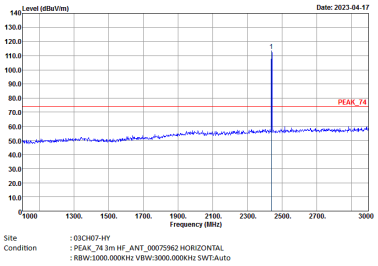
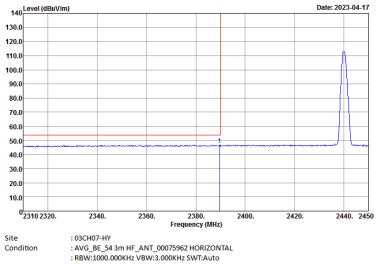
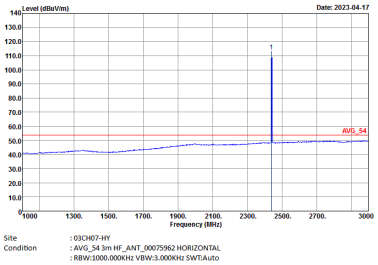
< BLE Ant. 3+4 1Mbps >

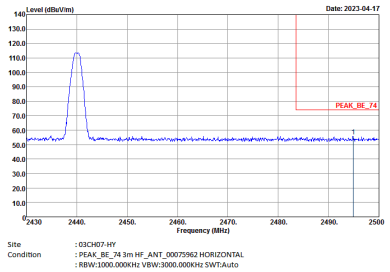
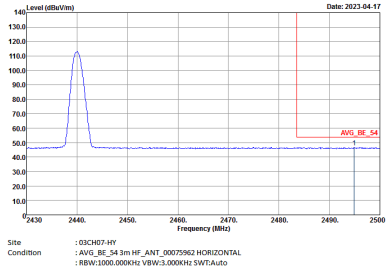
2.4GHz 2400~2483.5MHz

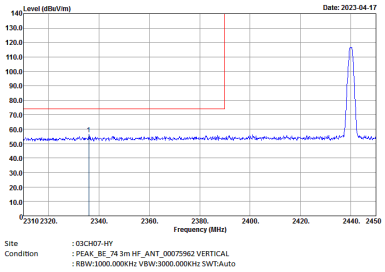
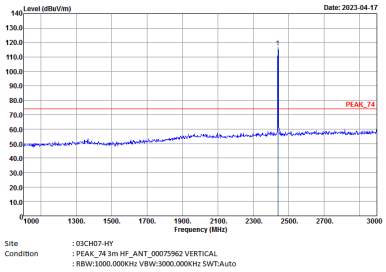
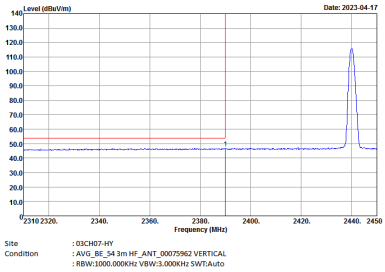
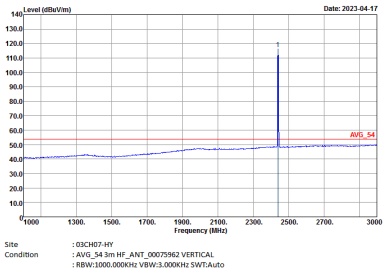
BLE (Band Edge @ 3m)

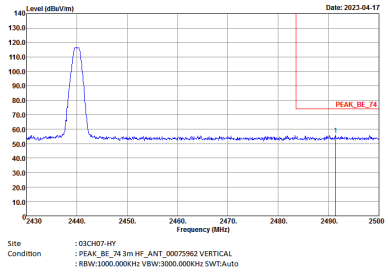
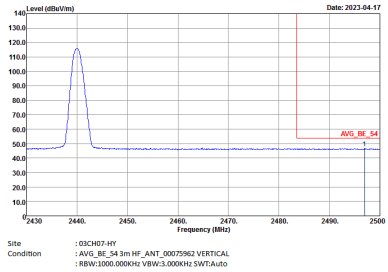
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH00 2402MHz	
3+4	Horizontal	Fundamental
Peak		
Avg.		

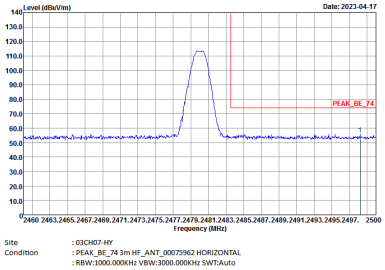
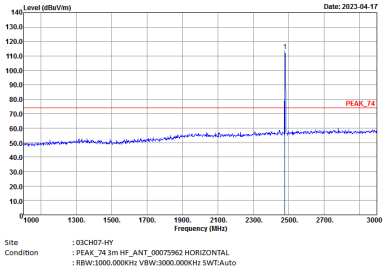
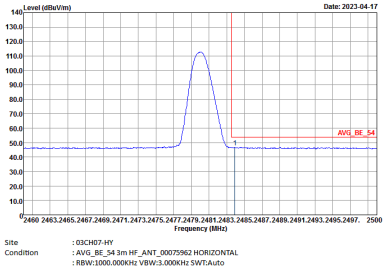
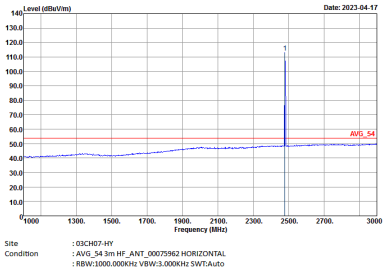
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH00 2402MHz	
3+4	Vertical	Fundamental
Peak		
Avg		

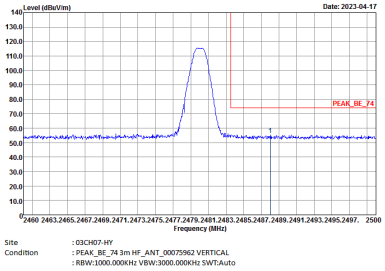
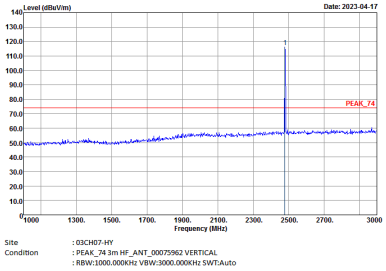
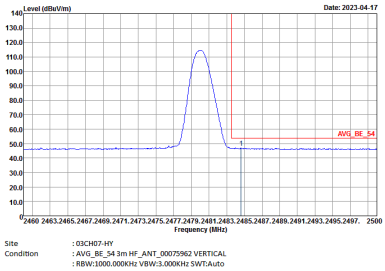
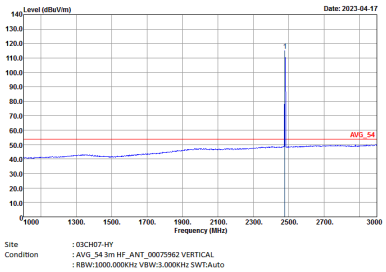
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
3+4	Horizontal	Fundamental
Peak		
Avg.		

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
3+4	Vertical	Fundamental
Peak		
Avg.		

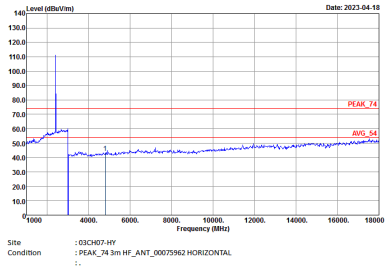
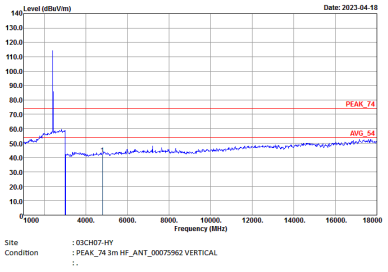
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

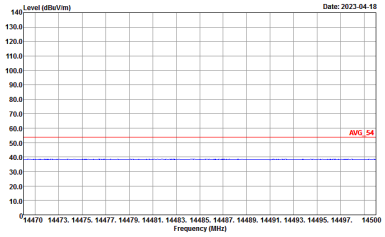
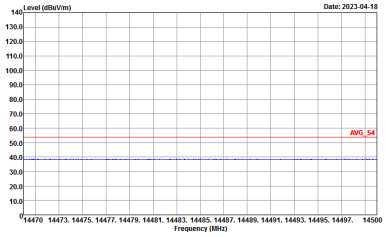
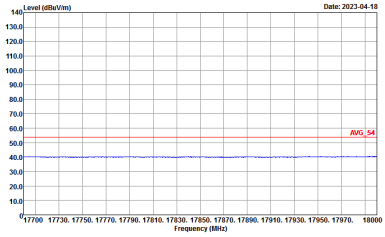
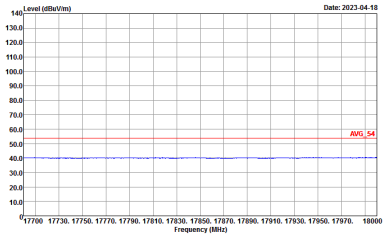
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz	
3+4	Horizontal	Fundamental
Peak		
Avg.		

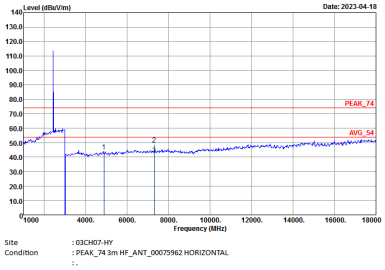
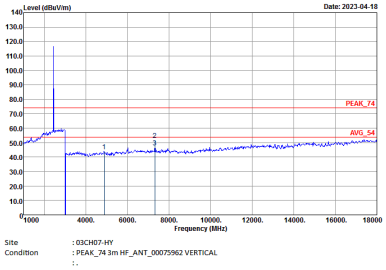
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz	
3+4	Vertical	Fundamental
Peak		
Avg.		

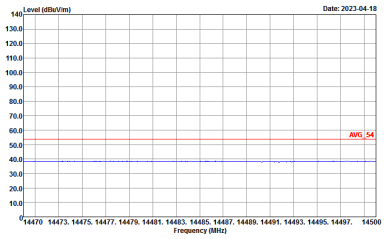
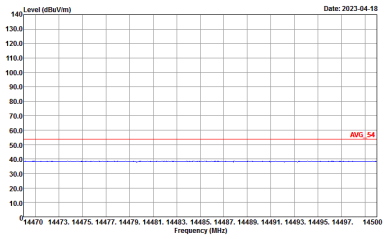
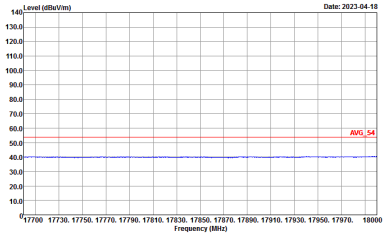
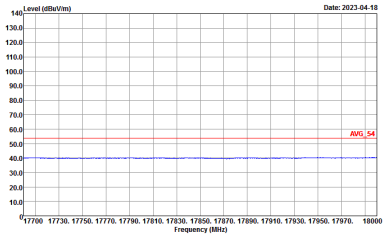
2.4GHz 2400~2483.5MHz

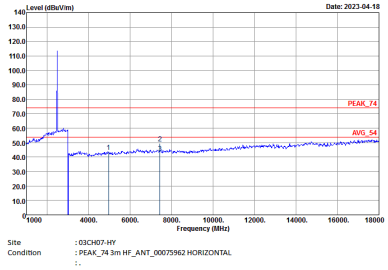
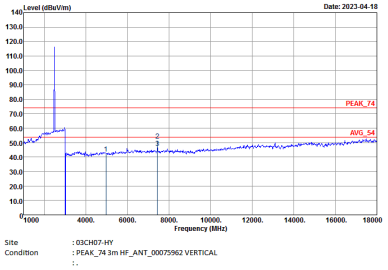
BLE (Harmonic @ 3m)

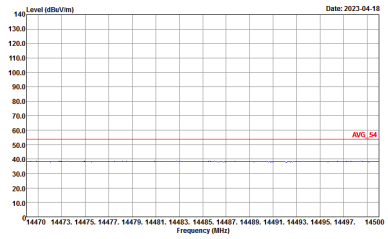
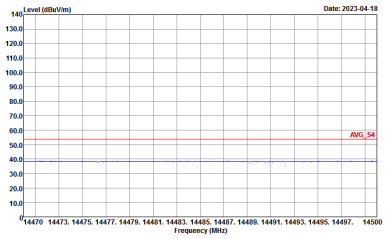
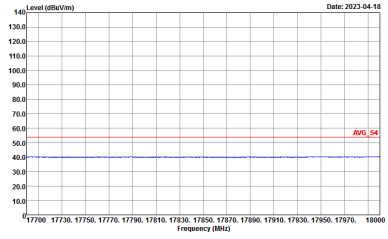
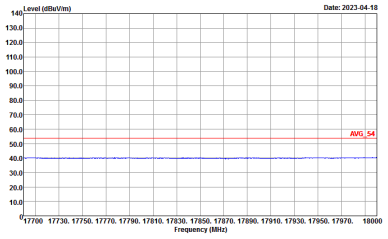
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH00 2402MHz	
3+4	Horizontal	Vertical
Peak Avg.		

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH00 2402MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH19 2440MHz	
3+4	Horizontal	Vertical
Peak Avg.		

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH19 2440MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

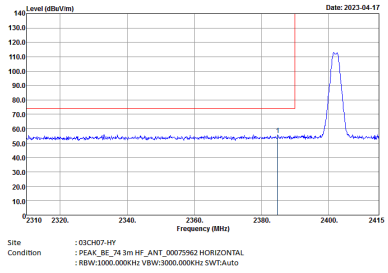
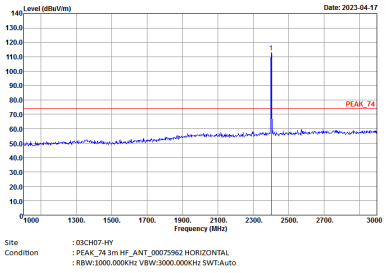
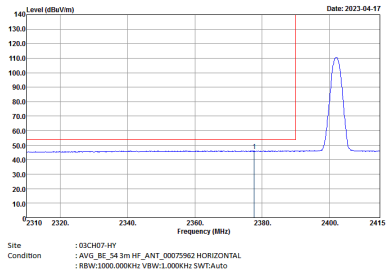
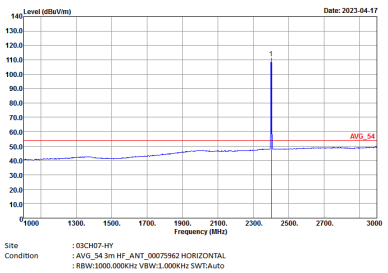
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH39 2480MHz	
3+4	Horizontal	Vertical
Peak		

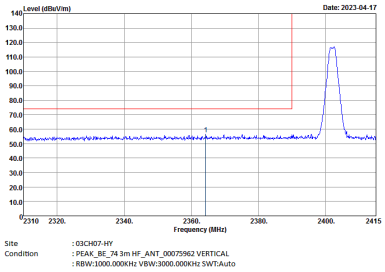
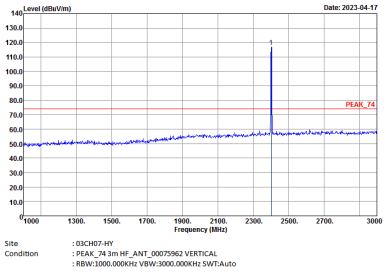
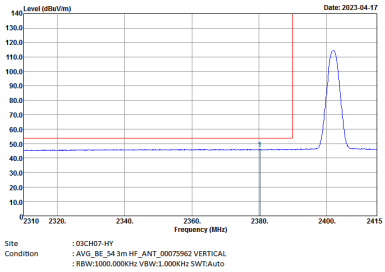
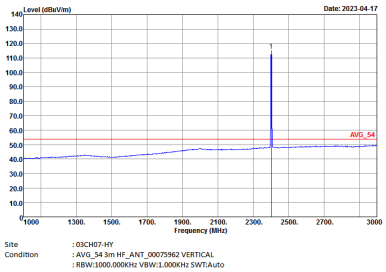
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH39 2480MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

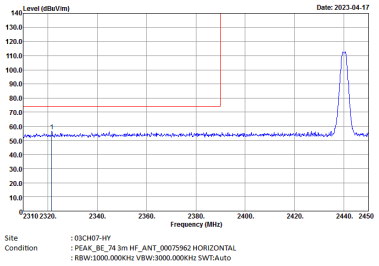
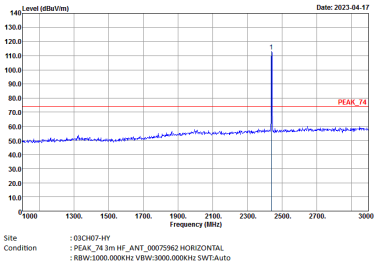
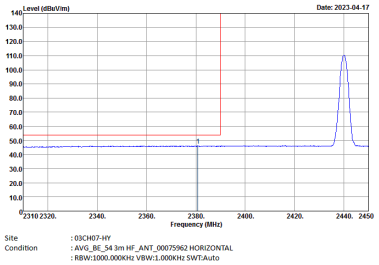
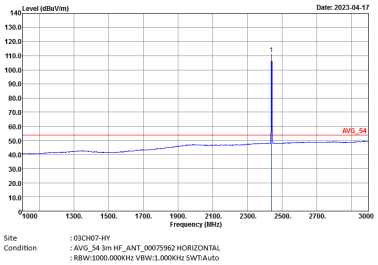
< BLE Ant. 3+4 2Mbps >

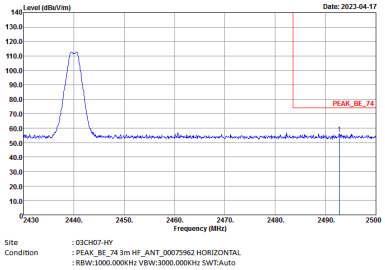
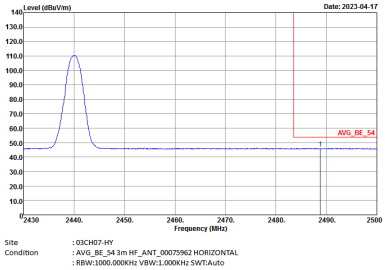
2.4GHz 2400~2483.5MHz

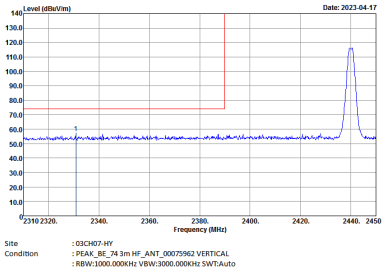
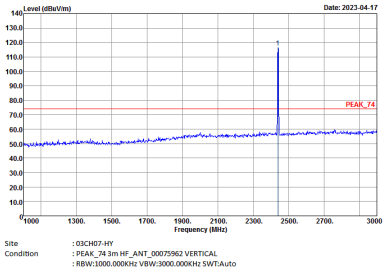
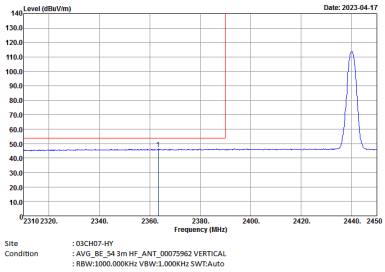
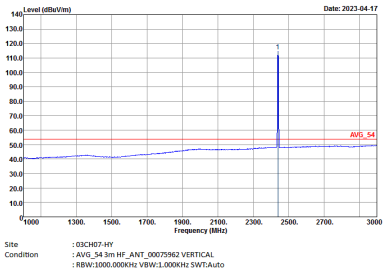
BLE (Band Edge @ 3m)

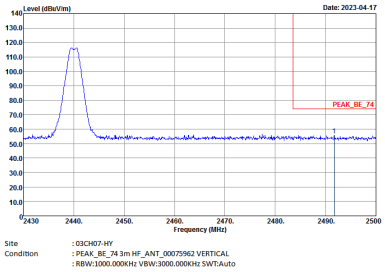
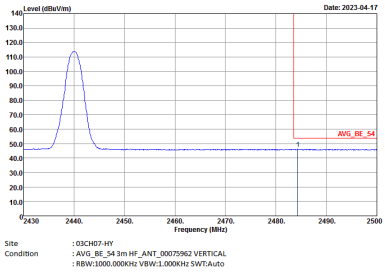
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH00 2402MHz	
3+4	Horizontal	Fundamental
Peak		
Avg.		

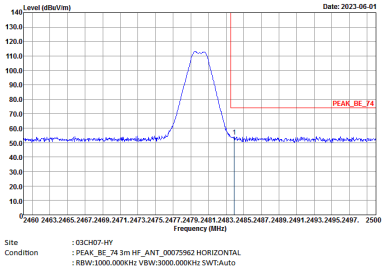
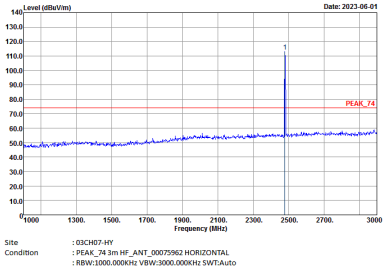
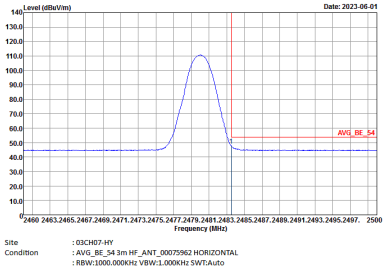
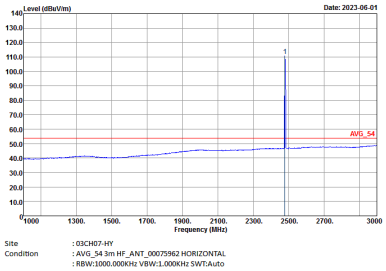
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH00 2402MHz	
3+4	Vertical	Fundamental
Peak		
Avg		

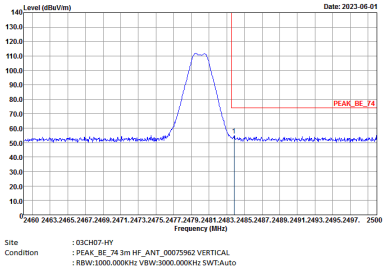
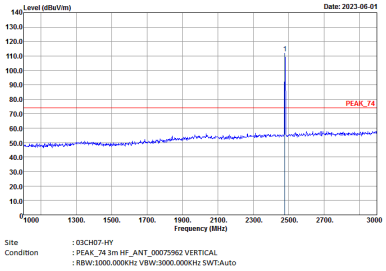
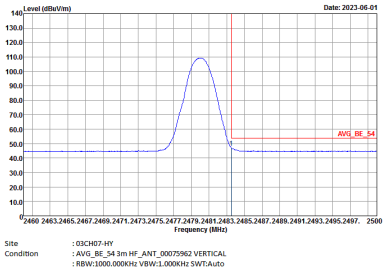
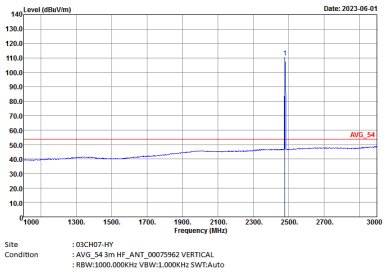
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
3+4	Horizontal	Fundamental
Peak		
Avg.		

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
3+4	Vertical	Fundamental
Peak		
Avg.		

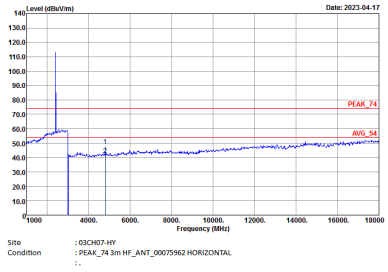
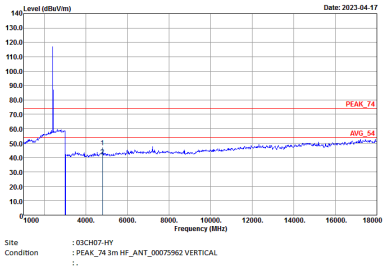
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

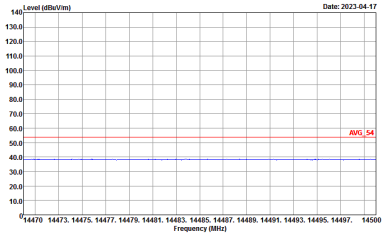
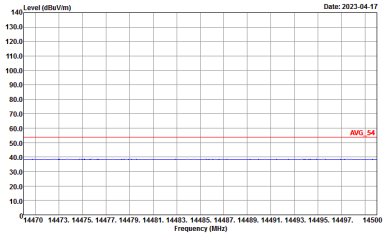
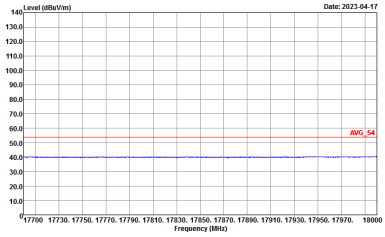
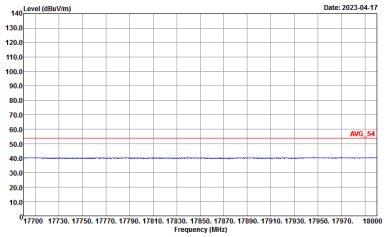
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz	
3+4	Horizontal	Fundamental
Peak		
Avg.		

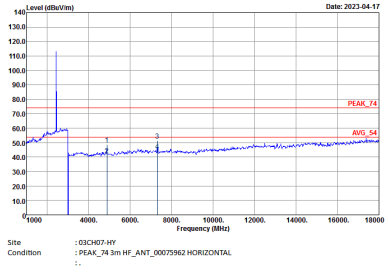
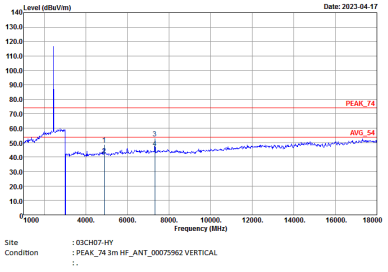
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz	
3+4	Vertical	Fundamental
Peak		
Avg.		

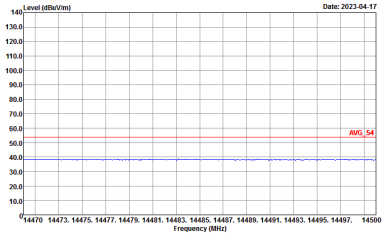
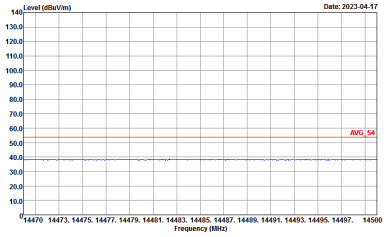
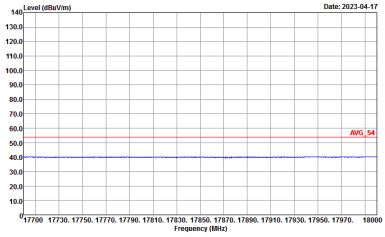
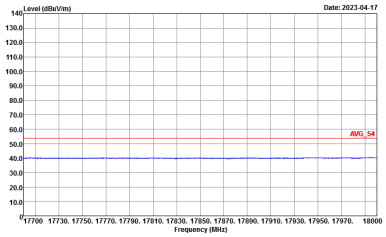
2.4GHz 2400~2483.5MHz

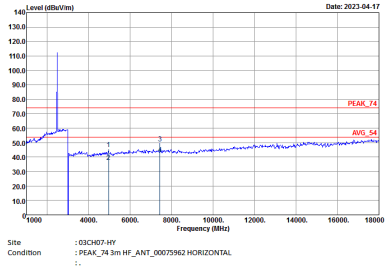
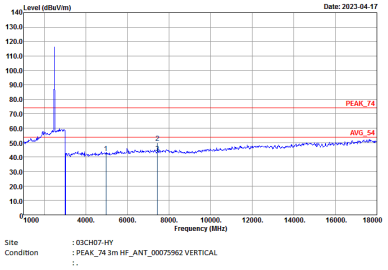
BLE (Harmonic @ 3m)

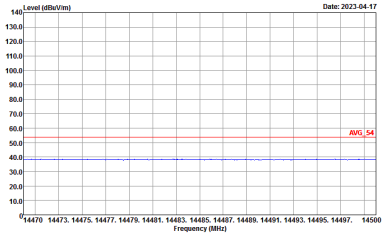
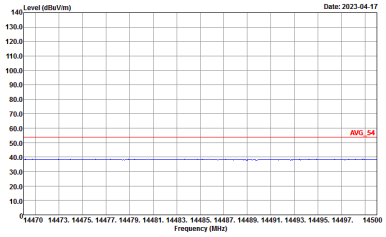
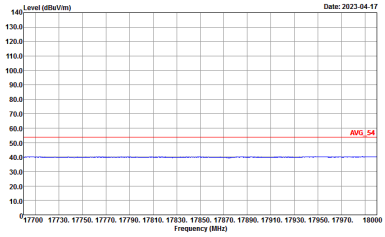
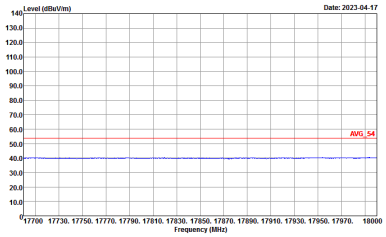
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH00 2402MHz	
3+4	Horizontal	Vertical
Peak Avg.		

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH00 2402MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH19 2440MHz	
3+4	Horizontal	Vertical
Peak Avg.		

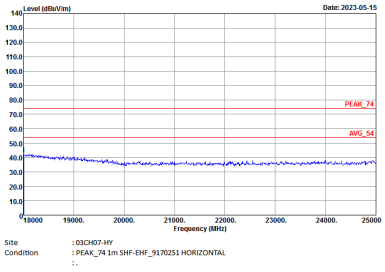
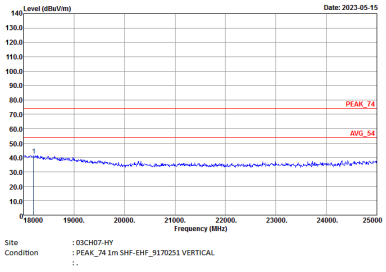
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH19 2440MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH39 2480MHz	
3+4	Horizontal	Vertical
Peak		

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH39 2480MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

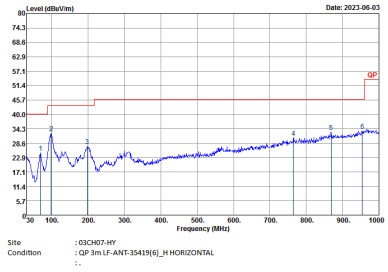
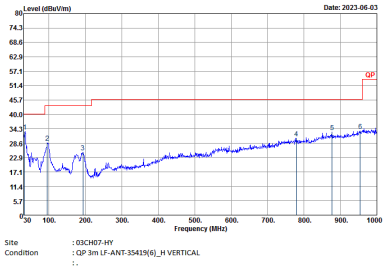
Emission after 18GHz

2.4GHz BLE (SHF @ 1m)

BLE	2.4GHz 2400~2483.5MHz	
ANT	BLE SHF	
3+4	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

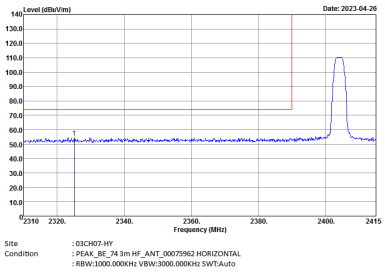
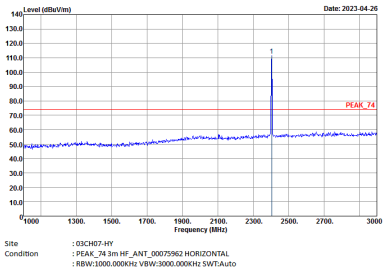
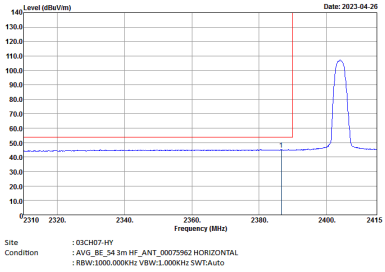
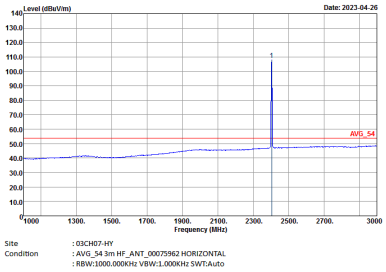
2.4GHz BLE (LF)

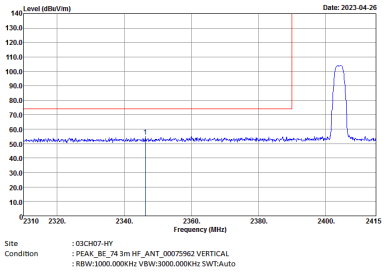
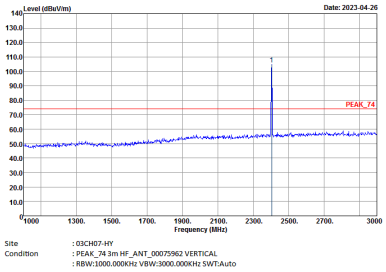
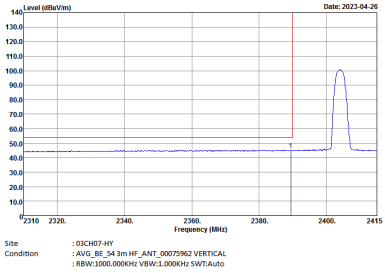
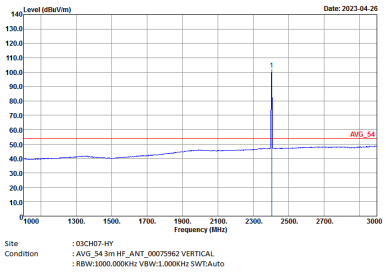
BLE	2.4GHz 2400~2483.5MHz	
ANT	BLE LF	
3+4	Horizontal	Vertical
QP / Peak		

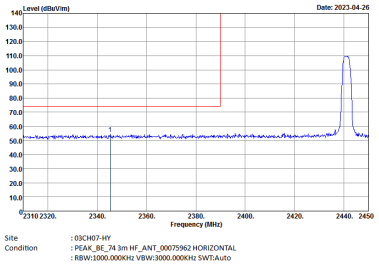
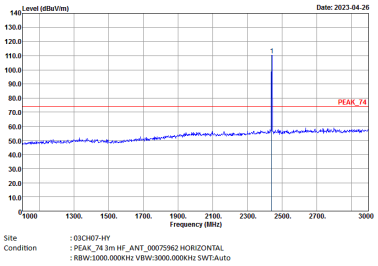
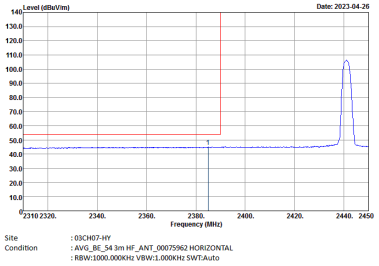
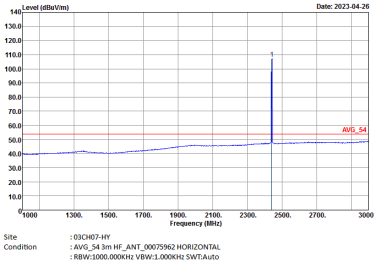
<HR 4Mbps Ant. 3+4 >

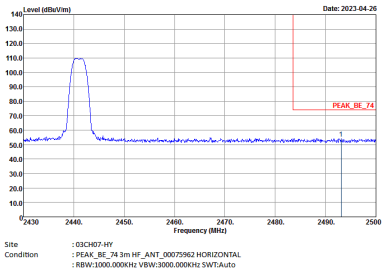
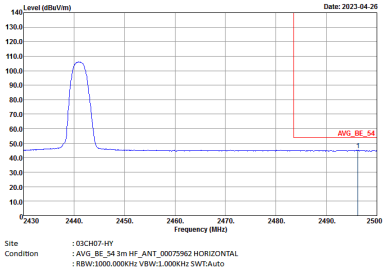
2.4GHz 2400~2483.5MHz

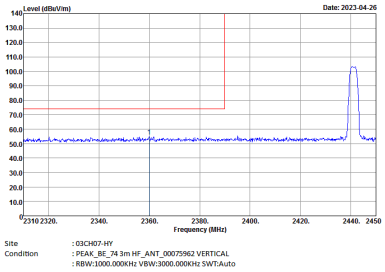
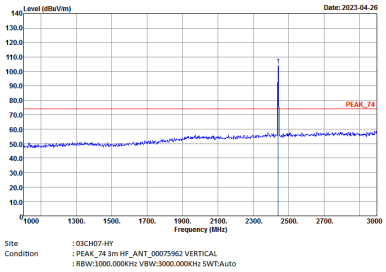
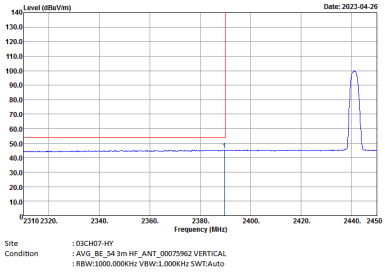
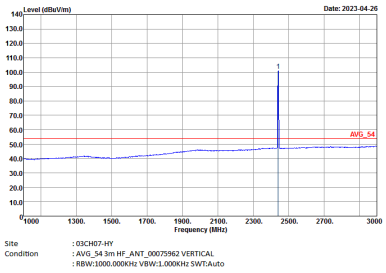
BT (Band Edge @ 3m)

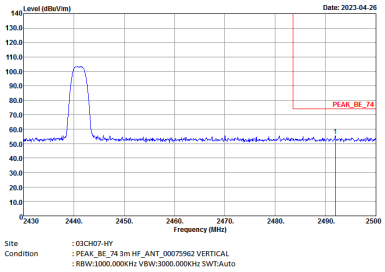
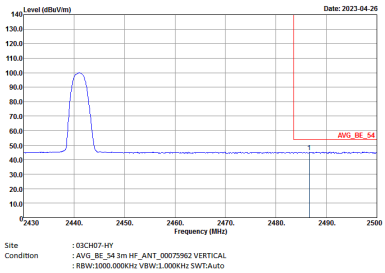
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH02 2404MHz	
3+4	Horizontal	Fundamental
Peak		
Avg.		

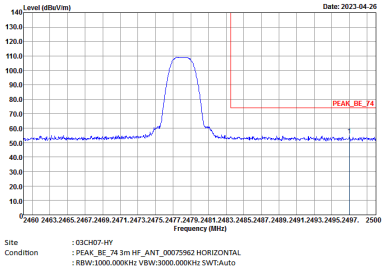
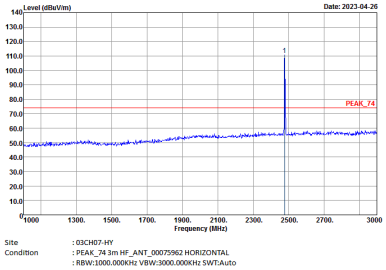
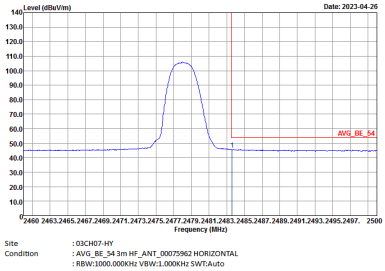
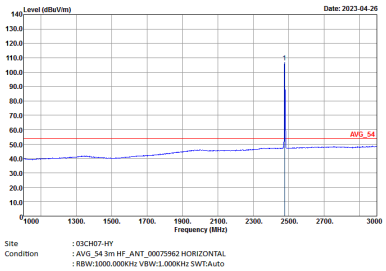
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH02 2404MHz	
3+4	Vertical	Fundamental
Peak		
Avg		

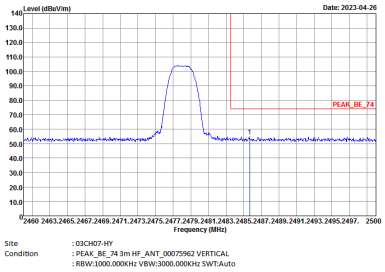
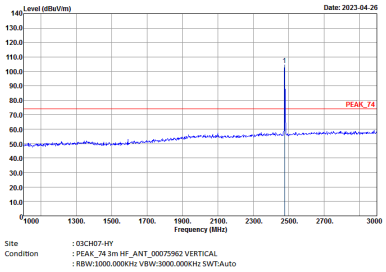
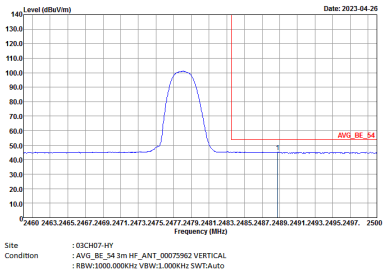
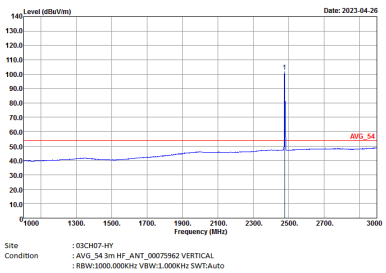
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz - L	
3+4	Horizontal	Fundamental
Peak		
Avg.		

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz - L	
3+4	Vertical	Fundamental
Peak		
Avg.		

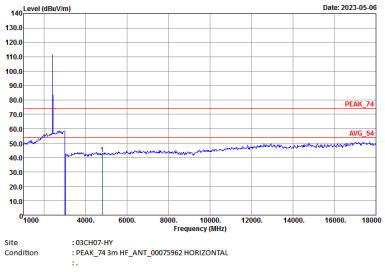
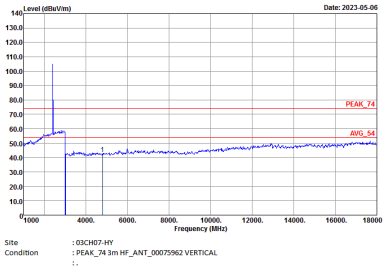
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

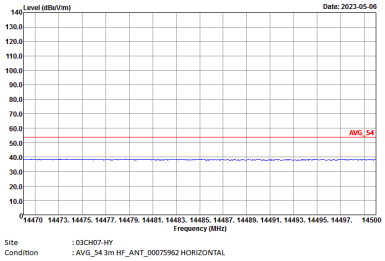
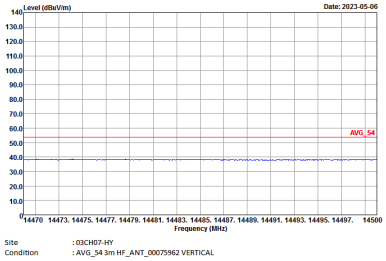
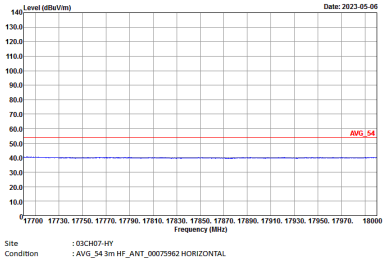
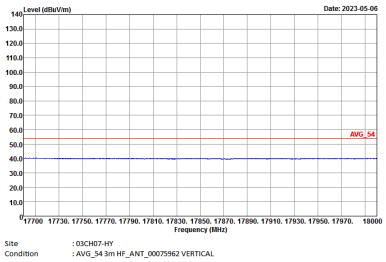
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH76 2478MHz	
3+4	Horizontal	Fundamental
Peak		
Avg.		

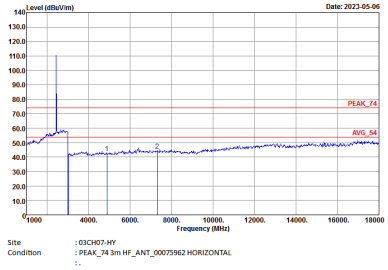
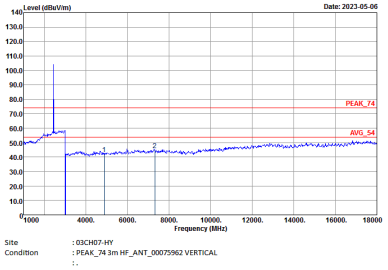
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH76 2478MHz	
3+4	Vertical	Fundamental
Peak		
Avg.		

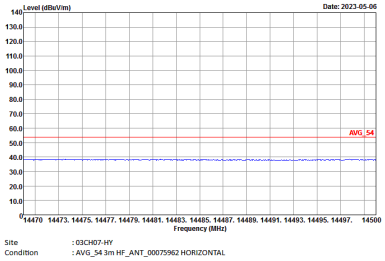
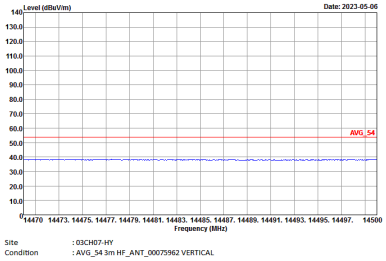
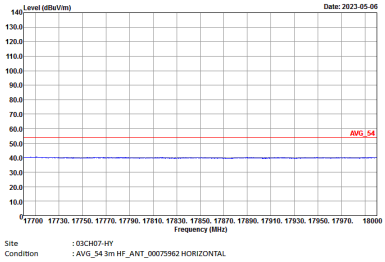
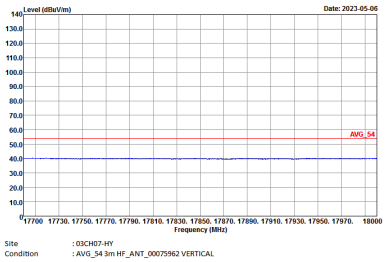
2.4GHz 2400~2483.5MHz

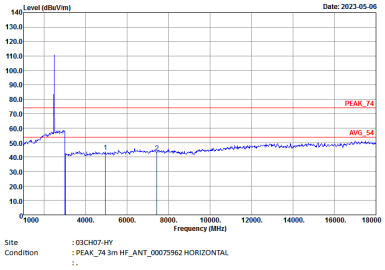
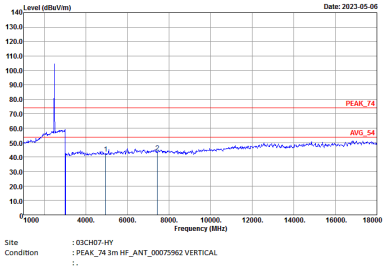
BT (Harmonic @ 3m)

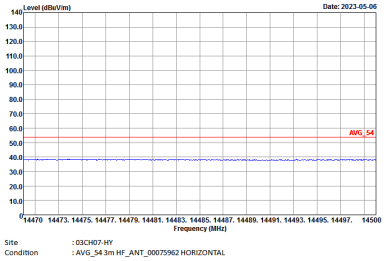
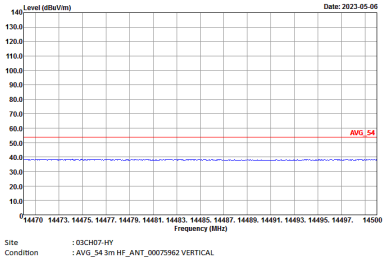
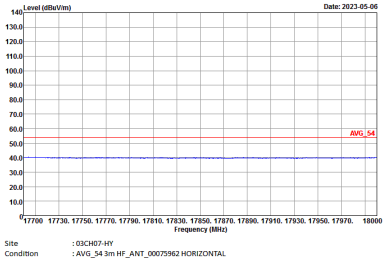
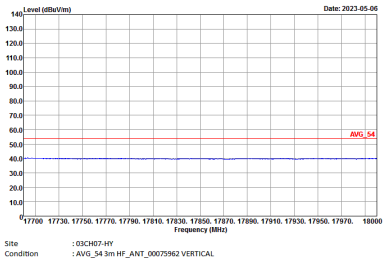
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH02 2404MHz	
3+4	Horizontal	Vertical
Peak Avg.		

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH02 2404MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
3+4	Horizontal	Vertical
Peak Avg.		

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

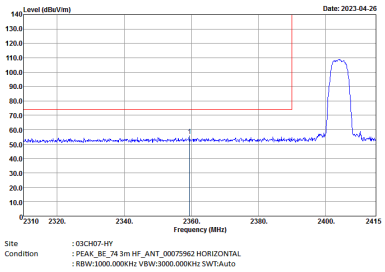
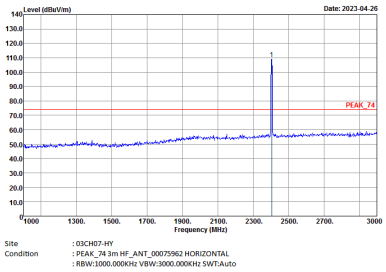
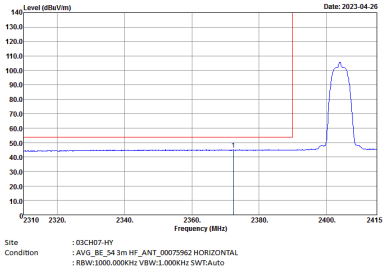
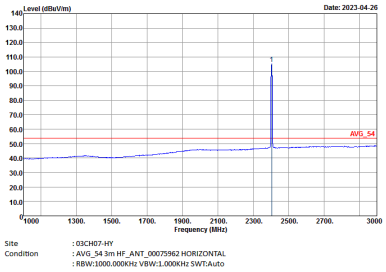
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH76 2478MHz	
3+4	Horizontal	Vertical
Peak		

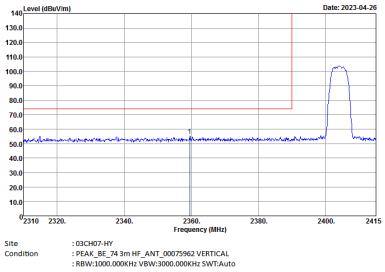
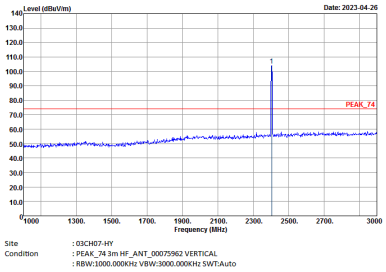
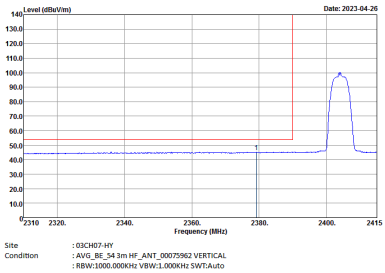
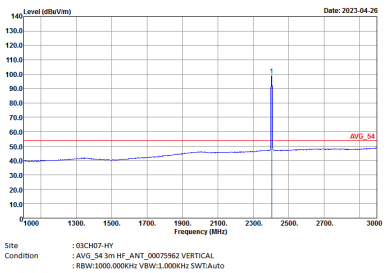
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH76 2478MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

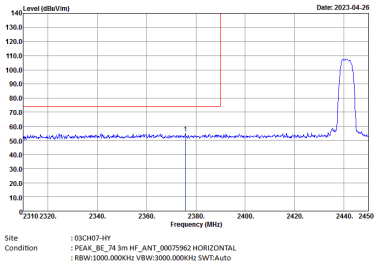
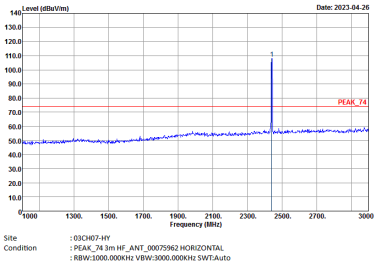
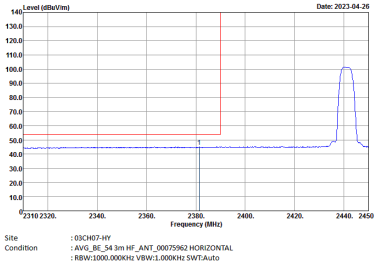
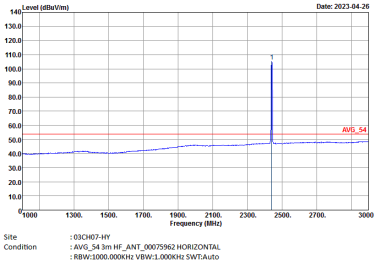
<HR 8Mbps Ant. 3+4 >

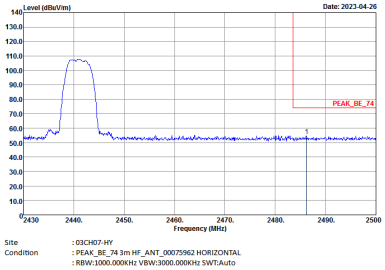
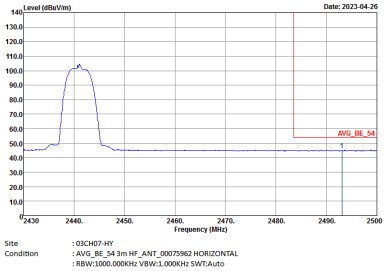
2.4GHz 2400~2483.5MHz

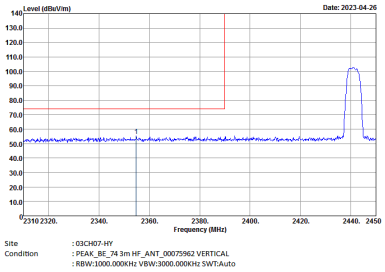
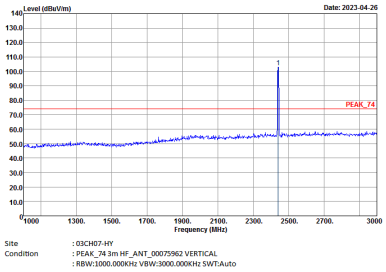
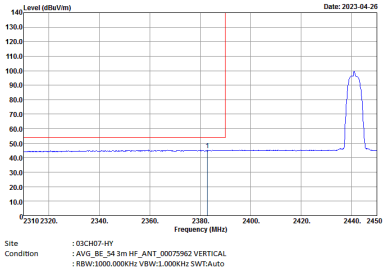
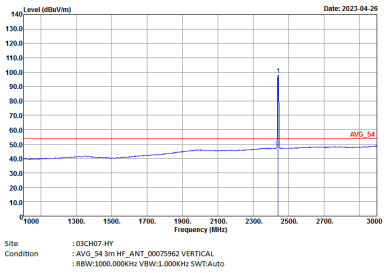
BT (Band Edge @ 3m)

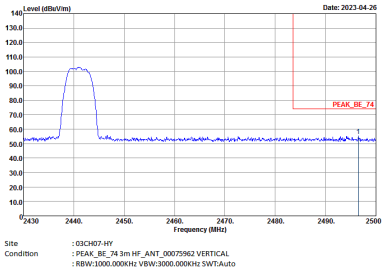
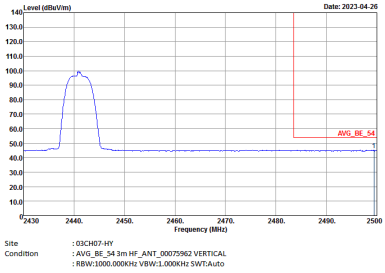
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH02 2404MHz	
3+4	Horizontal	Fundamental
Peak		
Avg.		

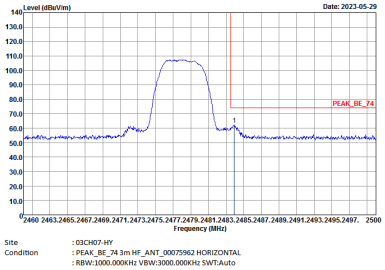
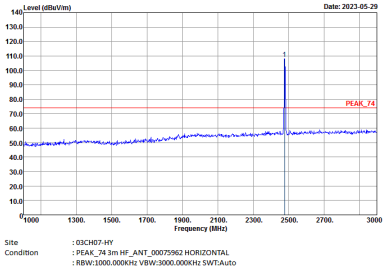
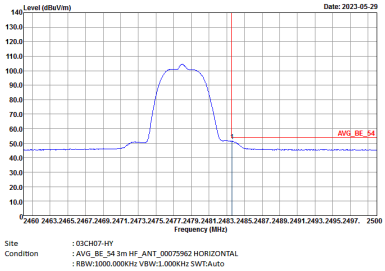
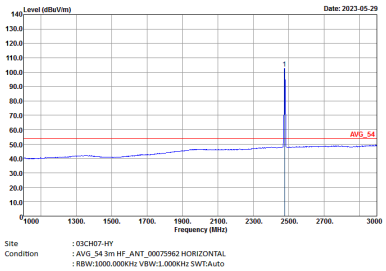
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH02 2404MHz	
3+4	Vertical	Fundamental
Peak		
Avg		

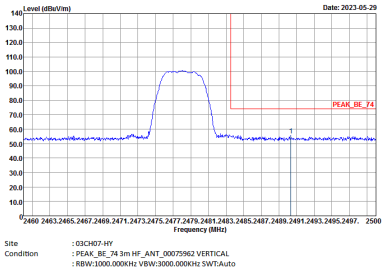
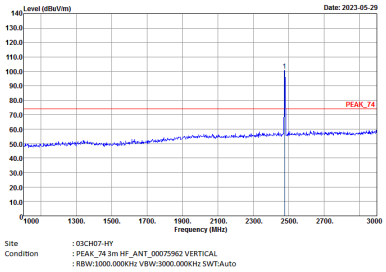
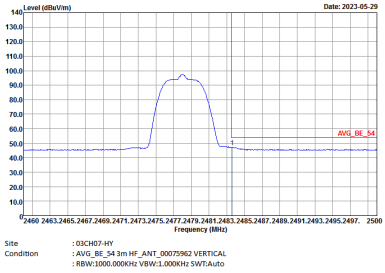
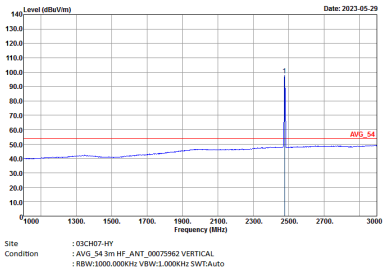
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz - L	
3+4	Horizontal	Fundamental
Peak		
Avg.		

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz - L	
3+4	Vertical	Fundamental
Peak		
Avg.		

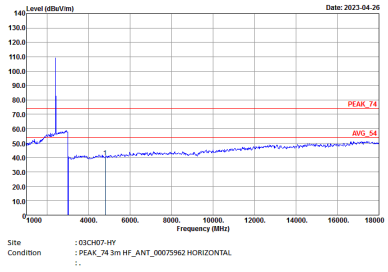
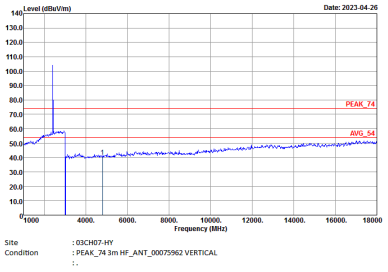
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

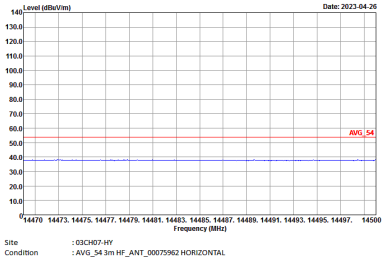
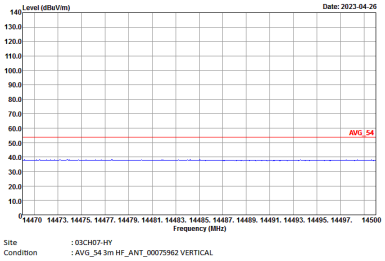
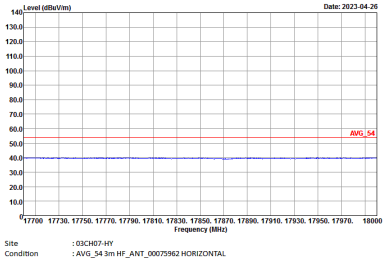
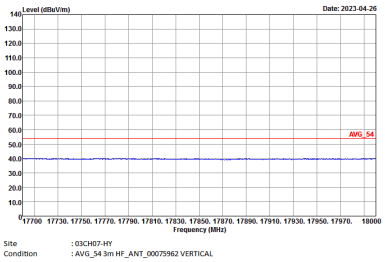
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH76 2478MHz	
3+4	Horizontal	Fundamental
Peak		
Avg.		

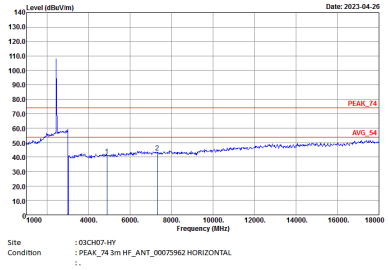
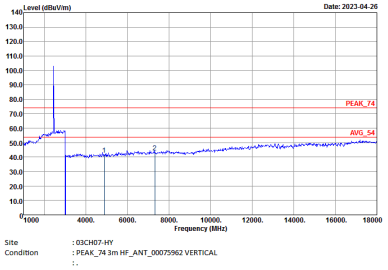
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH76 2478MHz	
3+4	Vertical	Fundamental
Peak		
Avg.		

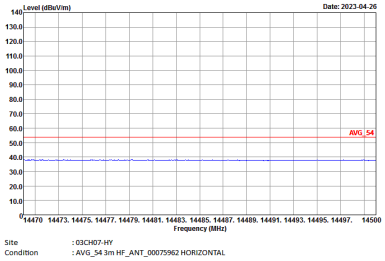
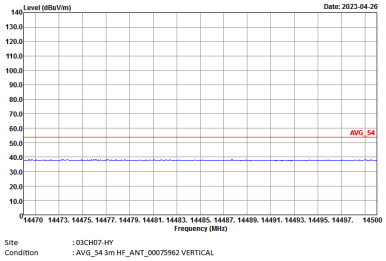
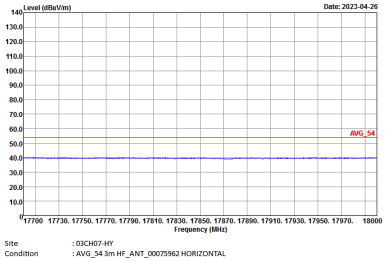
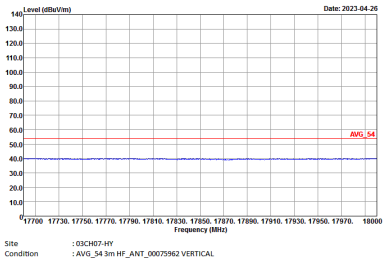
2.4GHz 2400~2483.5MHz

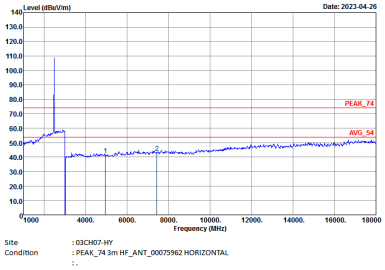
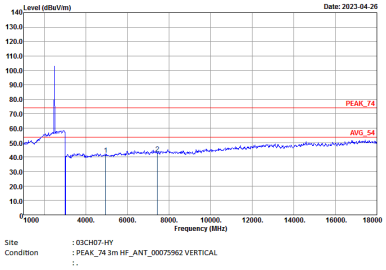
BT (Harmonic @ 3m)

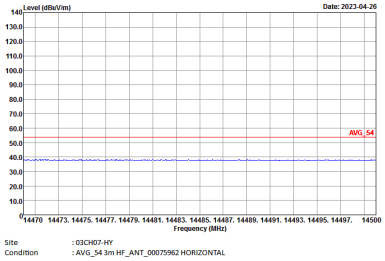
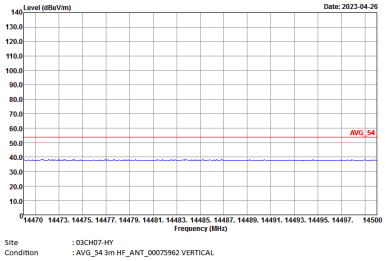
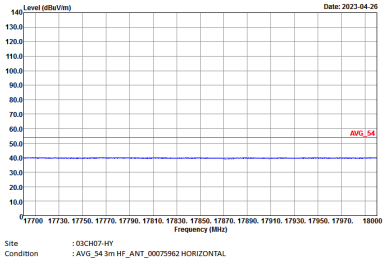
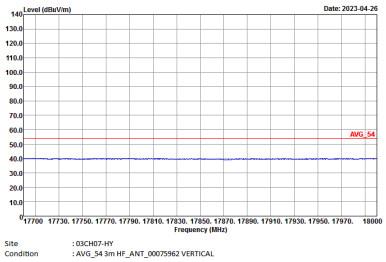
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH02 2404MHz	
3+4	Horizontal	Vertical
Peak Avg.		

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH02 2404MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
3+4	Horizontal	Vertical
Peak Avg.		

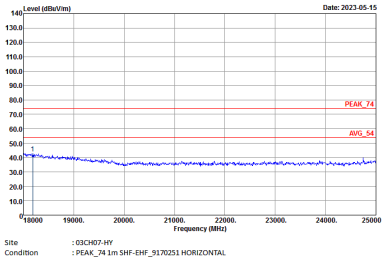
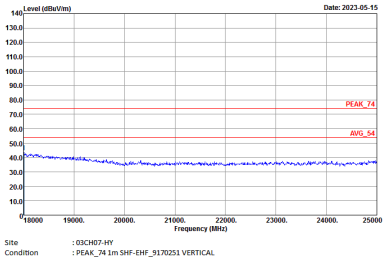
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH76 2478MHz	
3+4	Horizontal	Vertical
Peak		

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH76 2478MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

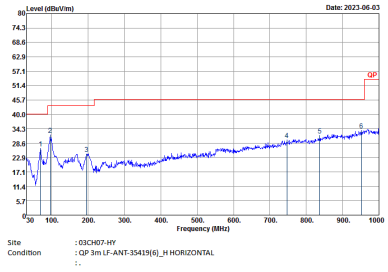
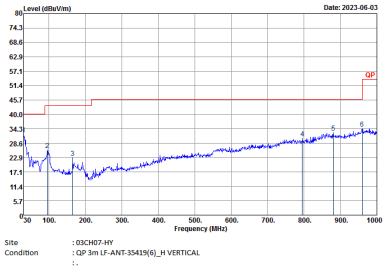
Emission after 18GHz

2.4GHz BT (SHF @ 1m)

BT	2.4GHz 2400~2483.5MHz	
ANT	BT SHF	
3+4	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

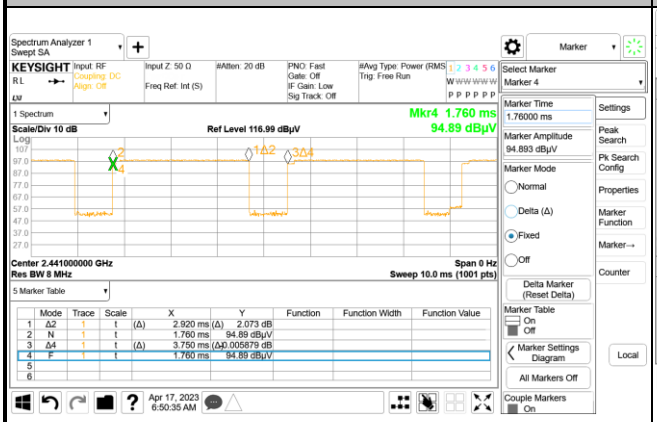
2.4GHz BT (LF)

BT	2.4GHz 2400~2483.5MHz	
ANT	BT LF	
3+4	Horizontal	Vertical
QP / Peak		

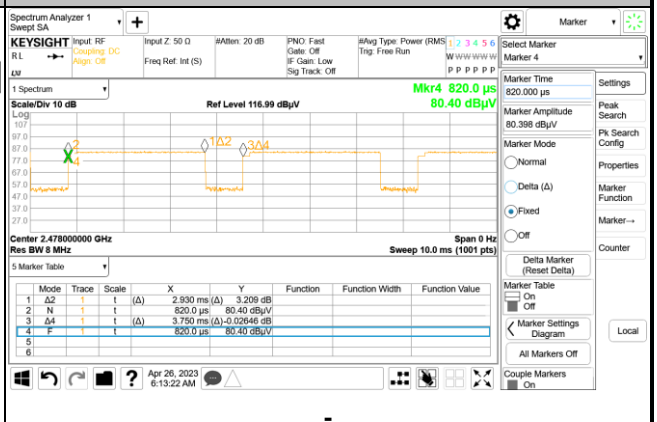
Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
Bluetooth - HR for 4Mbps	77.87	2920	0.34	1kHz
Bluetooth - HR for 8Mbps	78.13	2930	0.34	1kHz
Bluetooth - LE for 1Mbps	60.38	378	2.65	3kHz
Bluetooth - LE for 2Mbps	56.80	1065	0.94	1kHz

Bluetooth - HR for 4Mbps



Bluetooth - HR for 8Mbps



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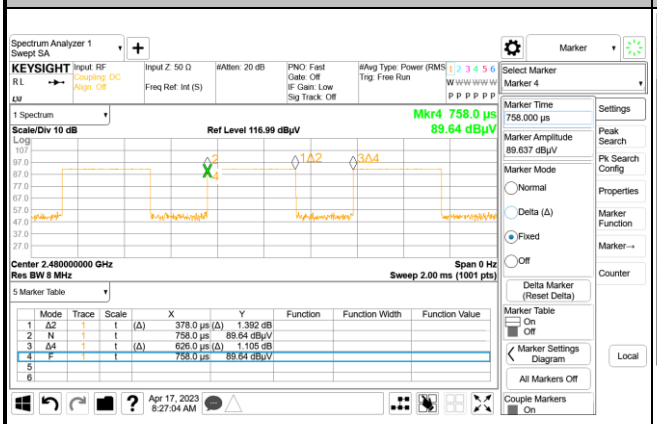
Bluetooth - LE for 1Mbps



Bluetooth - LE for 2Mbps

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THE END