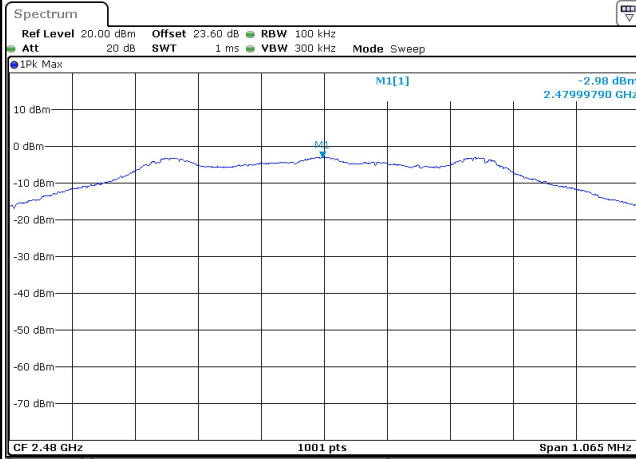




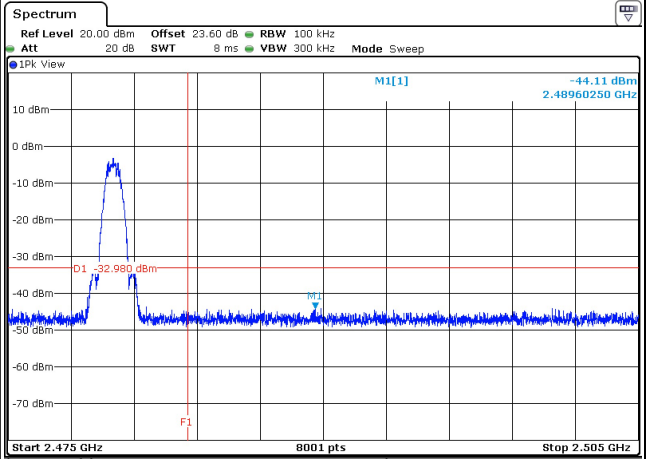
Channel 39

100kHz PSD reference Level Plot



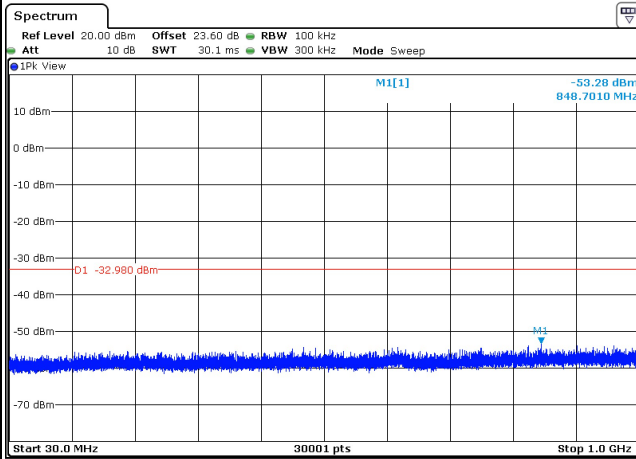
Date: 19.APR.2023 03:30:22

Low Channel Plot



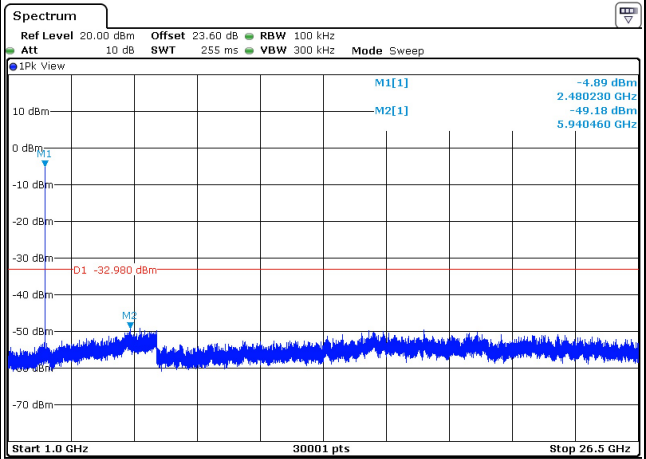
Date: 19.APR.2023 03:31:28

Spurious Emission 30MHz~1GHz Plot



Date: 19.APR.2023 03:30:49

Spurious Emission 1GHz~26.5GHz Plot



Date: 19.APR.2023 03:31:12



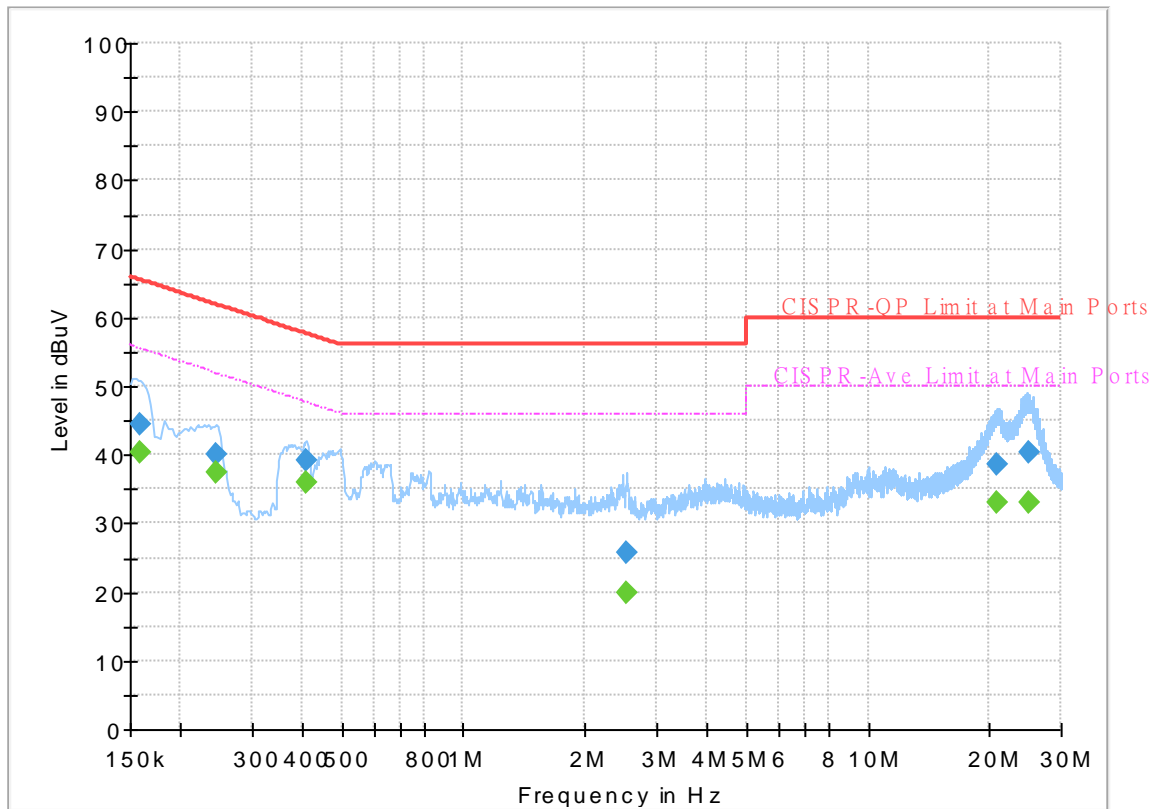
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 321001-06
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



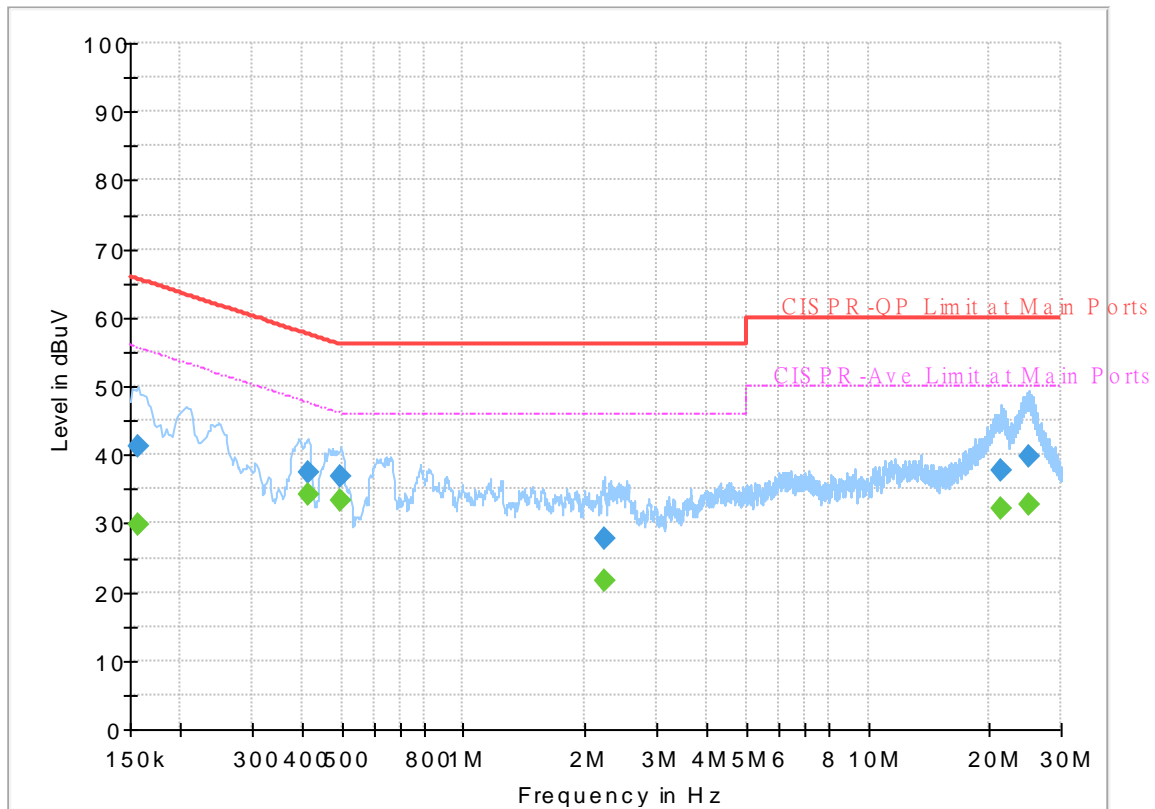
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	40.35	55.52	15.17	L1	OFF	19.8
0.159000	44.38	---	65.52	21.14	L1	OFF	19.8
0.244500	---	37.42	51.94	14.52	L1	OFF	19.8
0.244500	39.95	---	61.94	21.99	L1	OFF	19.8
0.408750	---	35.91	47.67	11.76	L1	OFF	19.8
0.408750	39.12	---	57.67	18.55	L1	OFF	19.8
2.519250	---	19.79	46.00	26.21	L1	OFF	19.9
2.519250	25.74	---	56.00	30.26	L1	OFF	19.9
20.917500	---	33.17	50.00	16.83	L1	OFF	20.0
20.917500	38.68	---	60.00	21.32	L1	OFF	20.0
24.958500	---	33.16	50.00	16.84	L1	OFF	20.0
24.958500	40.41	---	60.00	19.59	L1	OFF	20.0

EUT Information

Report NO : 321001-06
 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)
0.156750	---	29.83	55.63	25.80	N	OFF	19.8
0.156750	41.33	---	65.63	24.30	N	OFF	19.8
0.413250	---	34.23	47.58	13.35	N	OFF	19.8
0.413250	37.40	---	57.58	20.18	N	OFF	19.8
0.498750	---	33.44	46.02	12.58	N	OFF	19.8
0.498750	36.80	---	56.02	19.22	N	OFF	19.8
2.224500	---	21.52	46.00	24.48	N	OFF	19.8
2.224500	27.89	---	56.00	28.11	N	OFF	19.8
21.223500	---	32.04	50.00	17.96	N	OFF	20.2
21.223500	37.60	---	60.00	22.40	N	OFF	20.2
25.086750	---	32.77	50.00	17.23	N	OFF	20.2
25.086750	39.80	---	60.00	20.20	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang	Temperature :	23.6~24.7°C
		Relative Humidity :	63.6~68.1%

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
BLE CH 00 2402MHz		2359.77	55.6	-18.4	74	40.47	32.1	18.16	35.13	384	233	P	H	
		2340.03	45.54	-8.46	54	30.48	32.04	18.15	35.13	384	233	A	H	
	*	2402	91.89	-	-	76.63	32.1	18.28	35.12	384	233	P	H	
	*	2402	91.2	-	-	75.94	32.1	18.28	35.12	384	233	A	H	
													H	
														H
			2378.985	56.02	-17.98	74	40.87	32.1	18.17	35.12	400	217	P	V
			2389.485	45.51	-8.49	54	30.26	32.1	18.27	35.12	400	217	A	V
	*		2402	94.37	-	-	79.11	32.1	18.28	35.12	400	217	P	V
	*		2402	78.62	-	-	63.36	32.1	18.28	35.12	400	217	A	V
														V
													V	
BLE CH 19 2440MHz		2383.22	55.23	-18.77	74	39.98	32.1	18.27	35.12	400	256	P	H	
		2363.48	45.56	-8.44	54	30.43	32.1	18.16	35.13	400	256	A	H	
	*	2440	90.38	-	-	75.13	32.02	18.34	35.11	400	256	P	H	
	*	2440	88.32	-	-	73.07	32.02	18.34	35.11	400	256	A	H	
			2486.84	55.73	-18.27	74	40.44	32	18.39	35.1	400	256	P	H
			2494.47	45.53	-8.47	54	30.24	32	18.39	35.1	400	256	A	H
			2377.2	55.38	-18.62	74	40.23	32.1	18.17	35.12	400	247	P	V
			2376.22	45.5	-8.5	54	30.35	32.1	18.17	35.12	400	247	A	V
	*		2440	92.2	-	-	76.95	32.02	18.34	35.11	400	247	P	V
	*		2440	91.65	-	-	76.4	32.02	18.34	35.11	400	247	A	V
			2487.47	55.45	-18.55	74	40.16	32	18.39	35.1	400	247	P	V
		2484.39	45.54	-8.46	54	30.25	32	18.39	35.1	400	247	A	V	



BLE CH 39 2480MHz	*	2480	90.17	-	-	74.87	32	18.4	35.1	327	224	P	H
	*	2480	89.55	-	-	74.25	32	18.4	35.1	327	224	A	H
		2484.64	55.47	-18.53	74	40.18	32	18.39	35.1	327	224	P	H
		2492.52	45.54	-8.46	54	30.25	32	18.39	35.1	327	224	A	H
													H
													H
	*	2480	93.23	-	-	77.93	32	18.4	35.1	341	251	P	V
	*	2480	90.26	-	-	74.96	32	18.4	35.1	341	251	A	V
		2488.56	55.23	-18.77	74	39.94	32	18.39	35.1	341	251	P	V
		2487.84	45.42	-8.58	54	30.13	32	18.39	35.1	341	251	A	V
													V
													V
Remark	<ol style="list-style-type: none"> 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	41.07	-32.93	74	53.04	34.02	13.01	59	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4804	41.93	-32.07	74	53.9	34.02	13.01	59	-	-	P
													V
													V
													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)
BLE CH 19 2440MHz		4880	41.75	-32.25	74	53.44	34.14	13.03	58.86	-	-	P	H
		7320	43.54	-30.46	74	49.98	35.7	15.36	57.5	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4880	41.59	-32.41	74	53.28	34.14	13.03	58.86	-	-	P
		7320	43.12	-30.88	74	49.56	35.7	15.36	57.5	-	-	P	V
													V
													V
													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)
BLE CH 39 2480MHz		4960	42.3	-31.7	74	53.67	34.3	13.04	58.71	-	-	P	H
		7440	44.39	-29.61	74	51	35.6	15.38	57.59	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4960	41.94	-32.06	74	53.31	34.3	13.04	58.71	-	-	P
		7440	44.56	-29.44	74	51.17	35.6	15.38	57.59	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 												



Emission above 18GHz

2.4GHz BLE (SHF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BLE SHF		24937	37.74	-36.26	74	47.25	39.17	8.77	57.45	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			24930	37.53	-36.47	74	47.05	39.17	8.77	57.46	-	-	P
													V
													V
													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.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
2.4GHz BLE LF		30.27	22.79	-17.21	40	27.08	24.39	1.4	30.08	-	-	P	H	
		56.19	21.67	-18.33	40	38.09	12.17	1.47	30.06	-	-	P	H	
		174.18	26.73	-16.77	43.5	39.07	15.25	2.41	30	-	-	P	H	
		854.4	32.96	-13.04	46	28.25	28.87	5.11	29.27	-	-	P	H	
		900.6	34.23	-11.77	46	29.07	28.69	5.49	29.02	-	-	P	H	
		956.6	34.43	-11.57	46	27.09	30.63	5.51	28.8	-	-	P	H	
														H
														H
														H
														H
														H
														H
			30	33.99	-6.01	40	38.16	24.51	1.4	30.08	-	-	P	V
			55.65	28.66	-11.34	40	44.98	12.3	1.47	30.09	-	-	P	V
			107.22	24.01	-19.49	43.5	35.3	16.61	2.1	30	-	-	P	V
			860	32.69	-13.31	46	27.89	28.91	5.13	29.24	-	-	P	V
			913.2	33.55	-12.45	46	28.28	28.76	5.48	28.97	-	-	P	V
			953.8	34.72	-11.28	46	27.49	30.53	5.51	28.81	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	

Remark

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



Note symbol

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



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

BLE	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE 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) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =
Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Margin (dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Margin (dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Jesse Wang	Temperature :	23.6~24.7°C
		Relative Humidity :	63.6~68.1%

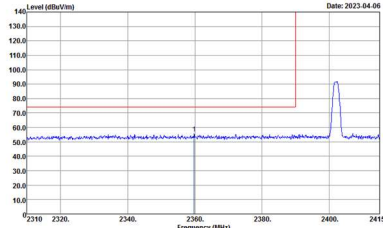
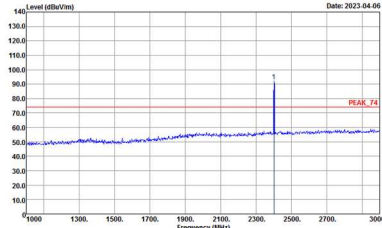
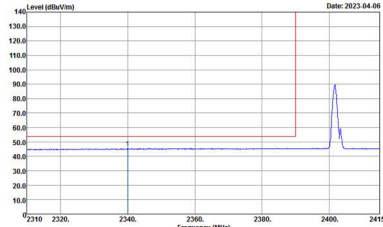
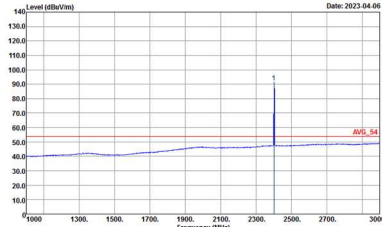
Note symbol

-L	Low channel location
-R	High channel location

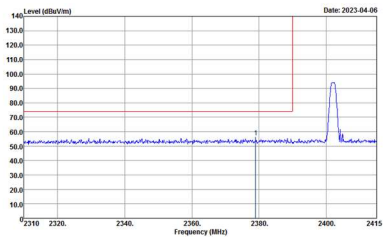
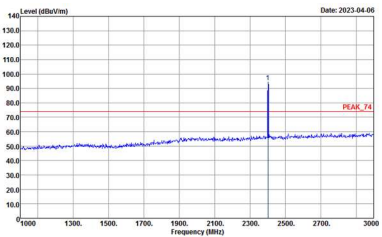
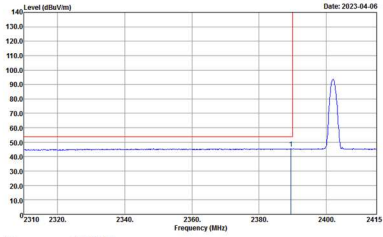
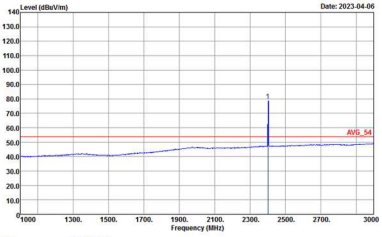


2.4GHz 2400~2483.5MHz

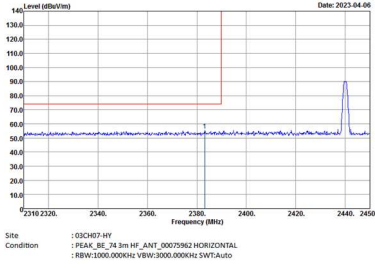
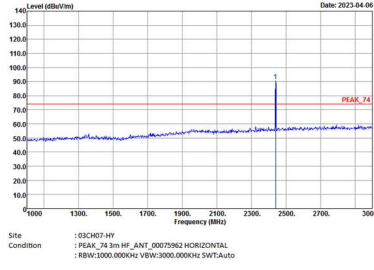
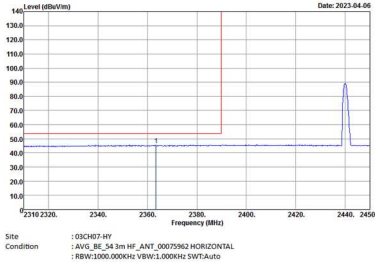
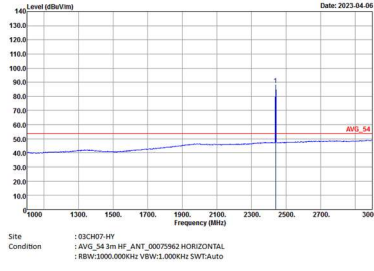
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Horizontal		Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>

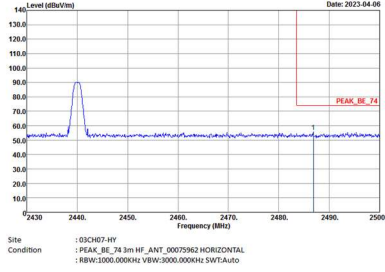
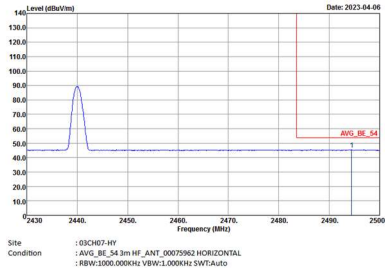


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Vertical		Fundamental
Peak	 <p>Level (dBV/m) vs Frequency (MHz) plot for Vertical Peak. The y-axis ranges from 10.0 to 140.0 dBV/m, and the x-axis ranges from 2310 to 2415 MHz. A sharp peak is visible at approximately 2402 MHz. The plot includes a red horizontal line at approximately 75 dBV/m and a blue trace showing the signal level.</p> <p>Site : 03CH67-RY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBV/m) vs Frequency (MHz) plot for Fundamental Peak. The y-axis ranges from 10.0 to 140.0 dBV/m, and the x-axis ranges from 1000 to 3000 MHz. A sharp peak is visible at approximately 2402 MHz. The plot includes a red horizontal line labeled 'PEAK_74' at approximately 75 dBV/m and a blue trace showing the signal level.</p> <p>Site : 03CH67-RY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	 <p>Level (dBV/m) vs Frequency (MHz) plot for Vertical Avg. The y-axis ranges from 10.0 to 140.0 dBV/m, and the x-axis ranges from 2310 to 2415 MHz. A sharp peak is visible at approximately 2402 MHz. The plot includes a red horizontal line at approximately 75 dBV/m and a blue trace showing the signal level.</p> <p>Site : 03CH67-RY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Level (dBV/m) vs Frequency (MHz) plot for Fundamental Avg. The y-axis ranges from 10.0 to 140.0 dBV/m, and the x-axis ranges from 1000 to 3000 MHz. A sharp peak is visible at approximately 2402 MHz. The plot includes a red horizontal line labeled 'AVG_54' at approximately 75 dBV/m and a blue trace showing the signal level.</p> <p>Site : 03CH67-RY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>

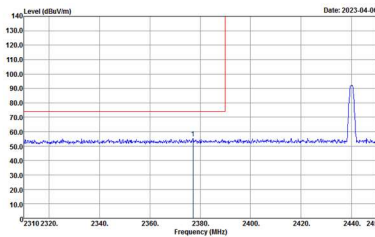
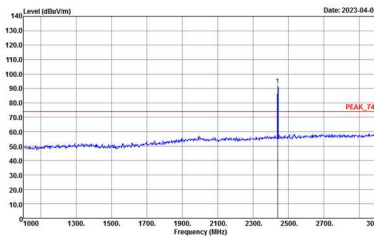
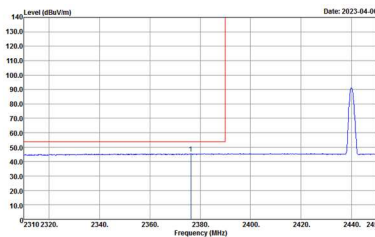
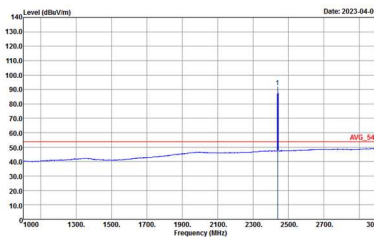


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK_24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : AVG_24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>

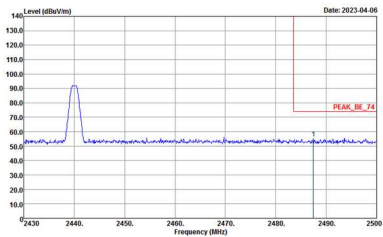
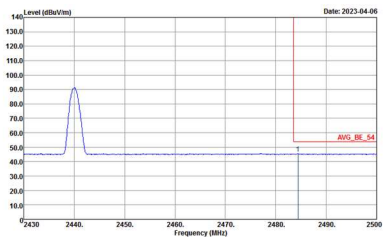


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - R		
	Horizontal	Fundamental
Peak	 <p>Site : 03CH67-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH67-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
	Vertical	Fundamental
Peak	 <p>Level (dBV/m) vs Frequency (MHz) plot for Vertical Peak. The y-axis ranges from 10.0 to 140.0 dBV/m, and the x-axis ranges from 2310 to 2450 MHz. A sharp peak is visible at approximately 2440 MHz. The plot includes a red line for the peak level and a blue line for the noise floor. The date is 2023-04-06.</p> <p>Site : 03CH07-RY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBV/m) vs Frequency (MHz) plot for Fundamental Peak. The y-axis ranges from 10.0 to 140.0 dBV/m, and the x-axis ranges from 1000 to 3000 MHz. A sharp peak is visible at approximately 2440 MHz. The plot includes a red line for the peak level and a blue line for the noise floor. The date is 2023-04-06.</p> <p>Site : 03CH07-RY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBV/m) vs Frequency (MHz) plot for Vertical Average. The y-axis ranges from 10.0 to 140.0 dBV/m, and the x-axis ranges from 2310 to 2450 MHz. A sharp peak is visible at approximately 2440 MHz. The plot includes a red line for the average level and a blue line for the noise floor. The date is 2023-04-06.</p> <p>Site : 03CH07-RY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Level (dBV/m) vs Frequency (MHz) plot for Fundamental Average. The y-axis ranges from 10.0 to 140.0 dBV/m, and the x-axis ranges from 1000 to 3000 MHz. A sharp peak is visible at approximately 2440 MHz. The plot includes a red line for the average level and a blue line for the noise floor. The date is 2023-04-06.</p> <p>Site : 03CH07-RY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>

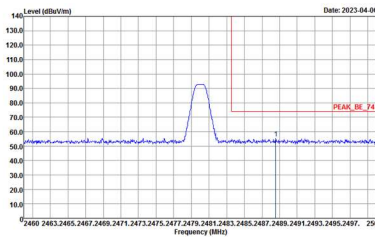
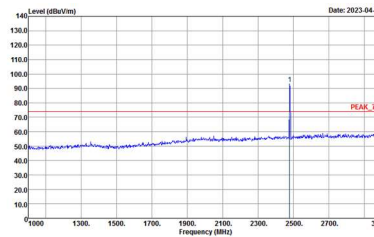
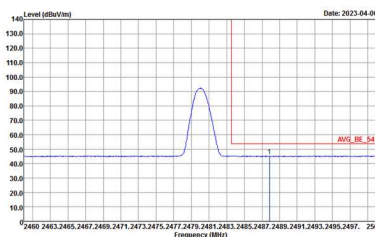
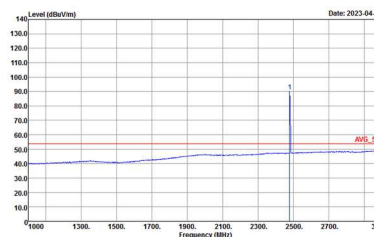


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - R		
	Vertical	Fundamental
Peak	 <p>Site : 03CH67-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWFAuto</p>	Left blank
Avg.	 <p>Site : 03CH67-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWFAuto</p>	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
	Horizontal	Fundamental
Peak	<p>Site : 03CH67-RY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH67-RY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH67-RY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	<p>Site : 03CH67-RY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>



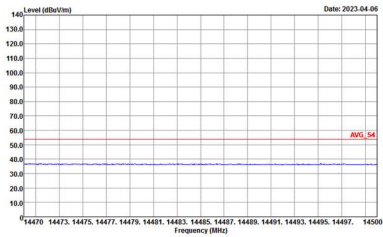
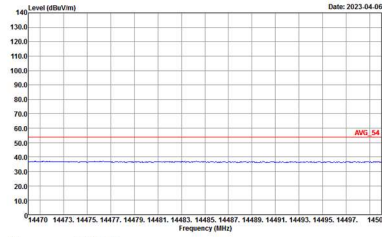
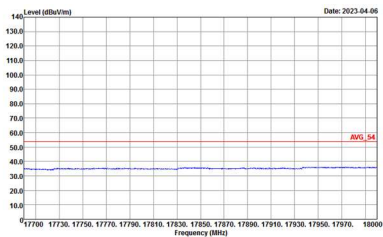
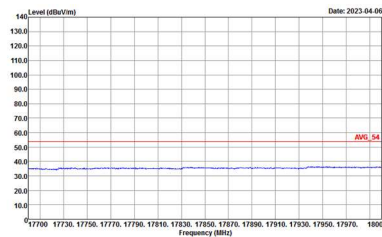
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Vertical		Fundamental
Peak	 <p>Level (dBV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 90 dBV/m. The plot includes a red horizontal line labeled 'PEAK_BE_74' at the peak level.</p> <p>Site : 03CH67-RY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBV/m) vs Frequency (MHz) plot showing a sharp peak at 2480 MHz. The peak level is approximately 90 dBV/m. The plot includes a red horizontal line labeled 'PEAK_74' at the peak level.</p> <p>Site : 03CH67-RY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBV/m) vs Frequency (MHz) plot showing the average level across the band. A peak is visible at 2480 MHz. The plot includes a red horizontal line labeled 'AVG_BE_54' at the peak level.</p> <p>Site : 03CH67-RY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Level (dBV/m) vs Frequency (MHz) plot showing the average level across the band. A sharp peak is visible at 2480 MHz. The plot includes a red horizontal line labeled 'AVG_54' at the peak level.</p> <p>Site : 03CH67-RY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>



2.4GHz 2400~2483.5MHz
BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL</p>

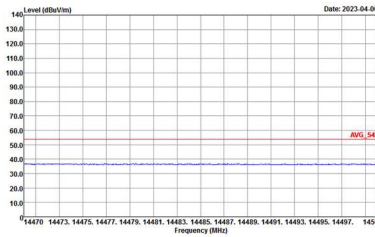
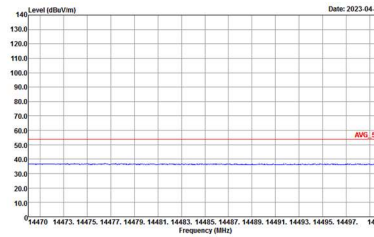
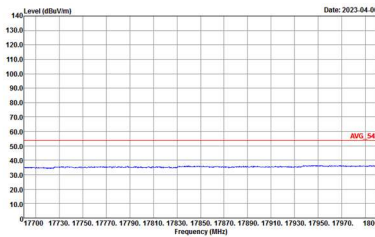
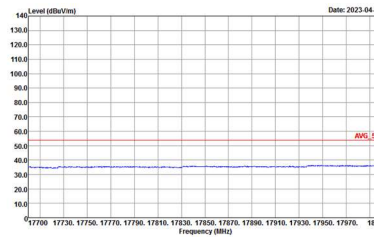


BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH00 2402MHz	
1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH19 2440MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-RY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH07-RY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH19 2440MHz	
1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH39 2480MHz	
1	Horizontal	Vertical
Peak	<p>Site : 03CH07-RY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH07-RY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH39 2480MHZ	
1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	<p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL</p>
<p>17.7G ~18G Avg</p>	<p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL</p>



Emission above 18GHz
2.4GHz BLE (SHF @ 1m)

BLE	2.4GHz 2400~2483.5MHz	
ANT	BLE SHF	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK_74 1m SHF-EHF_9170251 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 1m SHF-EHF_9170251 VERTICAL</p>



Emission below 1GHz
2.4GHz BLE (LF)

BLE	2.4GHz 2400~2483.5MHz	
ANT	BLE LF	
1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6) HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6) VERTICAL</p>



Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
Bluetooth -LE	10.03	2100	0.48	1kHz

