

&lt;Ant. 7&gt;

**TEST RESULTS DATA**  
**6dB and 99% Occupied Bandwidth**

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
BLE	1Mbps	1	0	2402	1.018	0.670	0.50	Pass
BLE	1Mbps	1	19	2440	1.014	0.666	0.50	Pass
BLE	1Mbps	1	39	2480	1.016	0.666	0.50	Pass

**TEST RESULTS DATA**  
**Average Power Table**

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
BLE	1Mbps	1	0	2402	6.30	30.00	-3.40	2.90	36.00	Pass
BLE	1Mbps	1	19	2440	7.00	30.00	-3.40	3.60	36.00	Pass
BLE	1Mbps	1	39	2480	8.10	30.00	-3.40	4.70	36.00	Pass

**TEST RESULTS DATA**  
**Peak Power Density**

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
BLE	1Mbps	1	0	2402	4.43	-9.92	-3.40	8.00	Pass
BLE	1Mbps	1	19	2440	5.23	-9.30	-3.40	8.00	Pass
BLE	1Mbps	1	39	2480	6.46	-8.01	-3.40	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 30dBc limit.

**TEST RESULTS DATA**  
**6dB and 99% Occupied Bandwidth**

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
BLE	2Mbps	1	0	2402	1.998	1.156	0.50	Pass
BLE	2Mbps	1	19	2440	1.994	1.144	0.50	Pass
BLE	2Mbps	1	39	2480	1.986	1.144	0.50	Pass

**TEST RESULTS DATA**  
**Average Power Table**

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
BLE	2Mbps	1	0	2402	6.40	30.00	-3.40	3.00	36.00	Pass
BLE	2Mbps	1	19	2440	7.30	30.00	-3.40	3.90	36.00	Pass
BLE	2Mbps	1	39	2480	8.40	30.00	-3.40	5.00	36.00	Pass

**TEST RESULTS DATA**  
**Peak Power Density**

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
BLE	2Mbps	1	0	2402	4.59	-12.78	-3.40	8.00	Pass
BLE	2Mbps	1	19	2440	5.45	-12.03	-3.40	8.00	Pass
BLE	2Mbps	1	39	2480	6.78	-10.69	-3.40	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 30dBc limit.



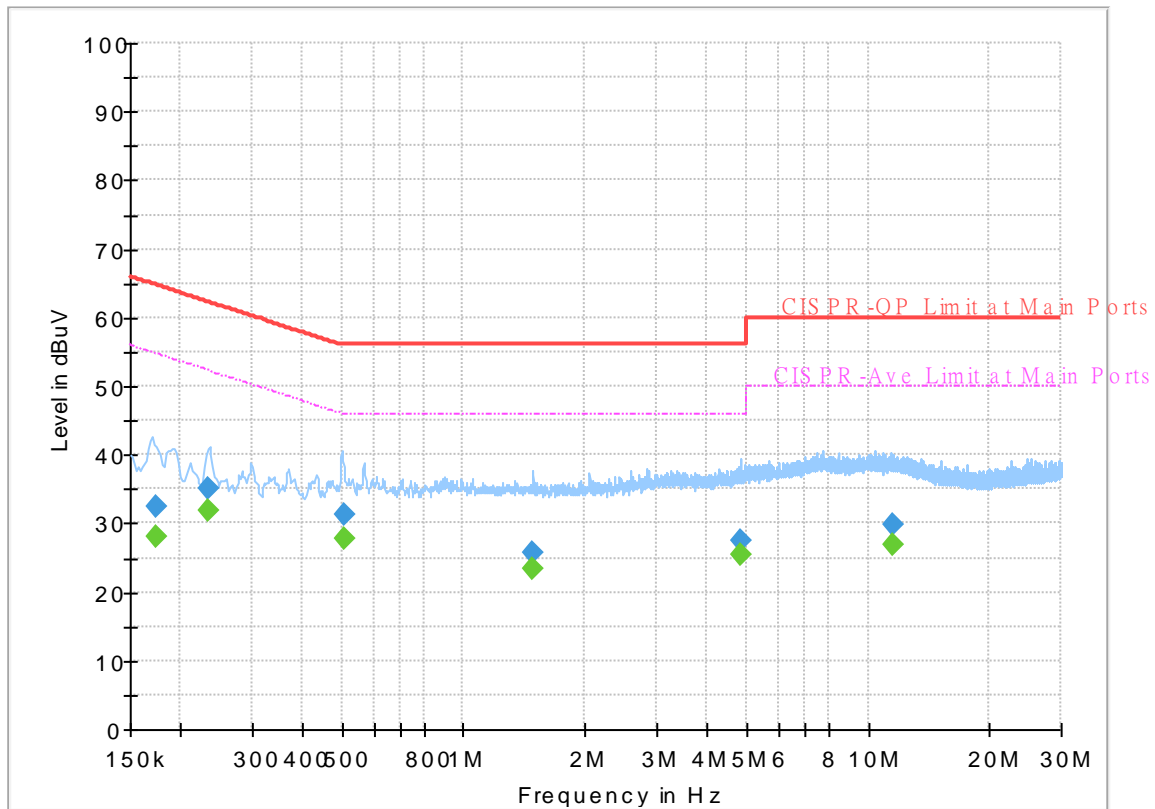
## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	23~26°C
		Relative Humidity :	40~50%

## EUT Information

Report NO : 110409  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



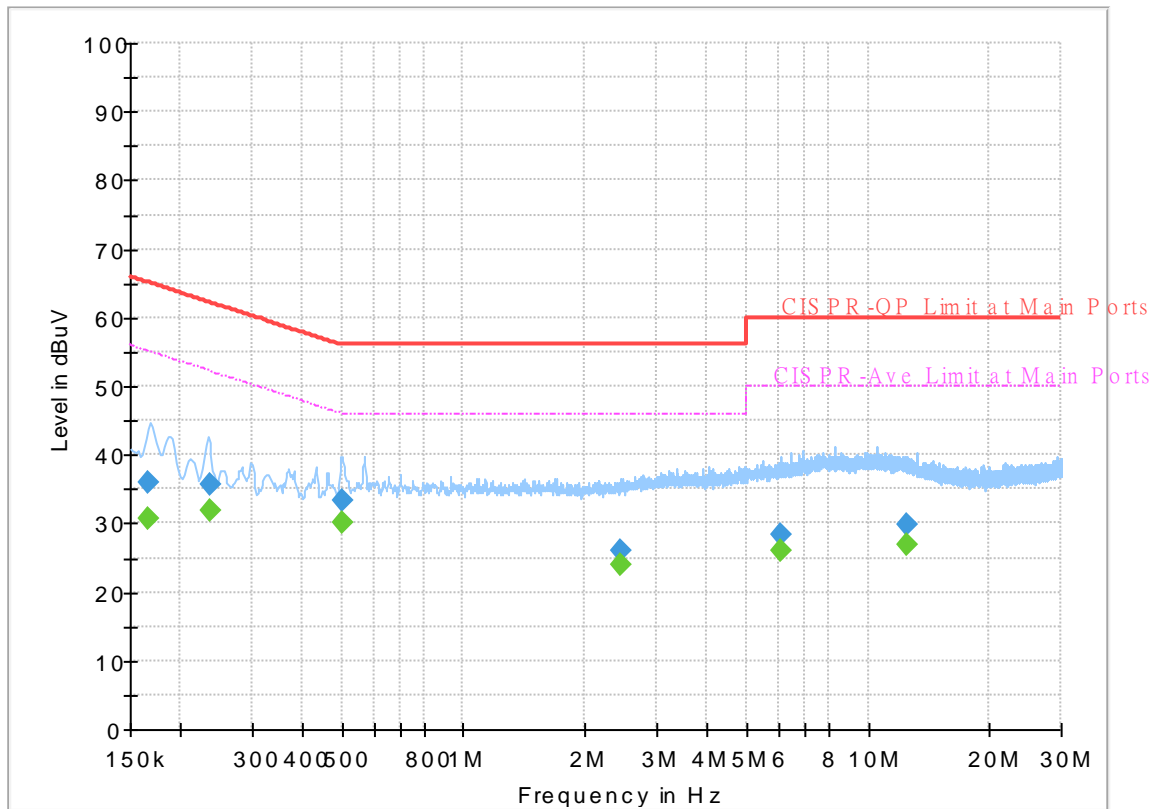
## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174750	---	27.99	54.73	26.74	L1	OFF	19.7
0.174750	32.42	---	64.73	32.31	L1	OFF	19.7
0.234510	---	31.95	52.29	20.34	L1	OFF	19.7
0.234510	35.10	---	62.29	27.19	L1	OFF	19.7
0.504960	---	27.81	46.00	18.19	L1	OFF	19.9
0.504960	31.29	---	56.00	24.71	L1	OFF	19.9
1.488390	---	23.38	46.00	22.62	L1	OFF	20.2
1.488390	25.59	---	56.00	30.41	L1	OFF	20.2
4.832970	---	25.35	46.00	20.65	L1	OFF	20.1
4.832970	27.56	---	56.00	28.44	L1	OFF	20.1
11.573250	---	27.03	50.00	22.97	L1	OFF	20.2
11.573250	29.83	---	60.00	30.17	L1	OFF	20.2

## EUT Information

Report NO : 110409  
 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)
0.166200	---	30.68	55.15	24.47	N	OFF	19.7
0.166200	36.00	---	65.15	29.15	N	OFF	19.7
0.235770	---	31.96	52.24	20.28	N	OFF	19.8
0.235770	35.54	---	62.24	26.70	N	OFF	19.8
0.502980	---	30.21	46.00	15.79	N	OFF	19.9
0.502980	33.24	---	56.00	22.76	N	OFF	19.9
2.455170	---	23.87	46.00	22.13	N	OFF	20.2
2.455170	25.95	---	56.00	30.05	N	OFF	20.2
6.083250	---	26.00	50.00	24.00	N	OFF	20.1
6.083250	28.33	---	60.00	31.67	N	OFF	20.1
12.534000	---	26.80	50.00	23.20	N	OFF	20.3
12.534000	29.78	---	60.00	30.22	N	OFF	20.3



### Appendix C. Radiated Spurious Emission

Test Engineer :	Karl Hou, Caster Liao, and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

<Ant. 11>

<1Mbps>

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	Note	Frequency	Level	Over Limit	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		2387.49	56.65	-17.35	74	40.87	27.58	18.48	30.28	144	306	P	H	
		2321.445	46.82	-7.18	54	30.91	27.86	18.35	30.3	144	306	A	H	
	*	2402	97.35	-	-	81.63	27.5	18.5	30.28	144	306	P	H	
	*	2402	96.75	-	-	81.03	27.5	18.5	30.28	144	306	A	H	
													H	
			2375.205	56.11	-17.89	74	40.29	27.65	18.45	30.28	294	14	P	V
			2356.095	46.62	-7.38	54	30.73	27.76	18.42	30.29	294	14	A	V
	*		2402	92.7	-	-	76.98	27.5	18.5	30.28	294	14	P	V
	*		2402	92.06	-	-	76.34	27.5	18.5	30.28	294	14	A	V
														V
BLE CH 19 2440MHz		2363.06	56.68	-17.32	74	40.82	27.72	18.43	30.29	109	307	P	H	
		2349.62	46.67	-7.33	54	30.75	27.8	18.41	30.29	109	307	A	H	
	*	2440	101.08	-	-	85.35	27.42	18.58	30.27	109	307	P	H	
	*	2440	100.51	-	-	84.78	27.42	18.58	30.27	109	307	A	H	
			2499.51	56.23	-17.77	74	40.39	27.4	18.69	30.25	109	307	P	H
			2488.38	46.62	-7.38	54	30.8	27.4	18.67	30.25	109	307	A	H
			2361.52	56.48	-17.52	74	40.61	27.73	18.43	30.29	367	29	P	V
			2340.94	46.48	-7.52	54	30.56	27.82	18.39	30.29	367	29	A	V
	*		2440	97.14	-	-	81.41	27.42	18.58	30.27	367	29	P	V
	*		2440	96.44	-	-	80.71	27.42	18.58	30.27	367	29	A	V
			2484.39	57.26	-16.74	74	41.45	27.4	18.66	30.25	367	29	P	V
			2491.81	46.61	-7.39	54	30.78	27.4	18.68	30.25	367	29	A	V



<b>BLE CH 39 2480MHz</b>	*	2480	100.32	-	-	84.52	27.4	18.66	30.26	101	311	P	H
	*	2480	99.58	-	-	83.78	27.4	18.66	30.26	101	311	A	H
		2498.88	57	-17	74	41.16	27.4	18.69	30.25	101	311	P	H
		2490.96	46.71	-7.29	54	30.88	27.4	18.68	30.25	101	311	A	H
													H
													H
	*	2480	96.82	-	-	81.02	27.4	18.66	30.26	398	28	P	V
	*	2480	96.03	-	-	80.23	27.4	18.66	30.26	398	28	A	V
		2485.92	56.2	-17.8	74	40.38	27.4	18.67	30.25	398	28	P	V
		2486.68	46.73	-7.27	54	30.91	27.4	18.67	30.25	398	28	A	V
													V
													V
<b>Remark</b>	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 )	Over Limit ( 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	40.82	-33.18	74	51.71	31.11	13.36	55.36	100	0	P	H	
													H	
													H	
													H	
			4804	40.19	-33.81	74	51.08	31.11	13.36	55.36	100	0	P	V
														V
														V
BLE CH 19 2440MHz		4880	40.2	-33.8	74	51.08	31.14	13.36	55.38	100	0	P	H	
		7320	46.16	-27.84	74	49.8	36.44	16.18	56.26	100	0	P	H	
													H	
													H	
			4880	40.23	-33.77	74	51.11	31.14	13.36	55.38	100	0	P	V
			7320	45.97	-28.03	74	49.61	36.44	16.18	56.26	100	0	P	V
														V
BLE CH 39 2480MHz		4960	39.81	-34.19	74	50.5	31.34	13.36	55.39	100	0	P	H	
		7440	45.38	-28.62	74	48.88	36.4	16.39	56.29	100	0	P	H	
													H	
													H	
			4960	39.79	-34.21	74	50.48	31.34	13.36	55.39	100	0	P	V
			7440	45.27	-28.73	74	48.77	36.4	16.39	56.29	100	0	P	V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													





<2Mbps>

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	Note	Frequency	Level	Over Limit	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		2365.86	56.62	-17.38	74	40.77	27.7	18.44	30.29	110	307	P	H	
		2360.4	48.45	-5.55	54	32.57	27.74	18.43	30.29	110	307	A	H	
	*	2402	98.38	-	-	82.66	27.5	18.5	30.28	110	307	P	H	
	*	2402	97.07	-	-	81.35	27.5	18.5	30.28	110	307	A	H	
													H	
													H	
			2331.63	57	-17	74	41.09	27.84	18.37	30.3	379	43	P	V
			2355.99	48.21	-5.79	54	32.32	27.76	18.42	30.29	379	43	A	V
	*		2402	94.32	-	-	78.6	27.5	18.5	30.28	379	43	P	V
	*		2402	92.82	-	-	77.1	27.5	18.5	30.28	379	43	A	V
													V	
												V		
BLE CH 19 2440MHz		2321.48	56.83	-17.17	74	40.92	27.86	18.35	30.3	110	309	P	H	
		2337.72	48.18	-5.82	54	32.28	27.82	18.38	30.3	111	309	A	H	
	*	2440	102.05	-	-	86.32	27.42	18.58	30.27	111	309	P	H	
	*	2440	100.51	-	-	84.78	27.42	18.58	30.27	111	309	A	H	
			2493.42	55.84	-18.16	74	40.01	27.4	18.68	30.25	111	309	P	H
			2499.79	48.44	-5.56	54	32.6	27.4	18.69	30.25	111	309	A	H
			2353.12	56.5	-17.5	74	40.6	27.78	18.41	30.29	400	14	P	V
			2338.98	48.33	-5.67	54	32.42	27.82	18.39	30.3	400	14	A	V
	*		2440	96.35	-	-	80.62	27.42	18.58	30.27	400	14	P	V
	*		2440	94.95	-	-	79.22	27.42	18.58	30.27	400	14	A	V
			2485.09	56.74	-17.26	74	40.92	27.4	18.67	30.25	400	14	P	V
		2496.08	49.01	-4.99	54	33.17	27.4	18.69	30.25	400	14	A	V	



<b>BLE CH 39 2480MHz</b>	*	2480	100.73	-	-	84.93	27.4	18.66	30.26	104	311	P	H
	*	2480	99.41	-	-	83.61	27.4	18.66	30.26	104	311	A	H
		2490.32	56.45	-17.55	74	40.62	27.4	18.68	30.25	104	311	P	H
		2491.16	48.5	-5.5	54	32.67	27.4	18.68	30.25	104	311	A	H
													H
													H
	*	2480	97.93	-	-	82.13	27.4	18.66	30.26	397	14	P	V
	*	2480	96.54	-	-	80.74	27.4	18.66	30.26	397	14	A	V
		2494.08	56.61	-17.39	74	40.78	27.4	18.68	30.25	397	14	P	V
		2486.2	48.67	-5.33	54	32.85	27.4	18.67	30.25	397	14	A	V
													V
													V
<b>Remark</b>	<ol style="list-style-type: none"> <li>1. No other spurious found.</li> <li>2. All results are PASS against Peak and Average limit line.</li> </ol>												



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

BLE	Note	Frequency ( MHz )	Level ( dBµV/m )	Over Limit ( 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	41.01	-32.99	74	51.9	31.11	13.36	55.36	100	0	P	V
													H
													H
													H
		4804	39.98	-34.02	74	50.87	31.11	13.36	55.36	100	0	P	V
													V
													V
BLE CH 19 2440MHz		4880	39.72	-34.28	74	50.6	31.14	13.36	55.38	100	0	P	V
		7320	45.14	-28.86	74	48.78	36.44	16.18	56.26	100	0	P	V
													H
													H
		4880	39.92	-34.08	74	50.8	31.14	13.36	55.38	100	0	P	V
		7320	45.63	-28.37	74	49.27	36.44	16.18	56.26	100	0	P	V
													V
BLE CH 39 2480MHz		4960	40.12	-33.88	74	50.81	31.34	13.36	55.39	100	0	P	H
		7440	46.01	-27.99	74	49.51	36.4	16.39	56.29	100	0	P	H
													H
													H
		4960	39.91	-34.09	74	50.6	31.34	13.36	55.39	100	0	P	V
		7440	45.38	-28.62	74	48.88	36.4	16.39	56.29	100	0	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

2.4GHz BLE (LF)

BLE	Note	Frequency	Level	Over	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		62.98	18.33	-21.67	40	38	62.98	18.33	-21.67	-	-	P	H	
		77.53	21.79	-18.21	40	39.94	77.53	21.79	-18.21	-	-	P	H	
		97.9	24.54	-18.96	43.5	39.75	97.9	24.54	-18.96	-	-	P	H	
		184.23	26.22	-17.28	43.5	41.83	184.23	26.22	-17.28	-	-	P	H	
		305.48	23.79	-22.21	46	34.08	305.48	23.79	-22.21	-	-	P	H	
		746.83	31.83	-14.17	46	31.63	746.83	31.83	-14.17	100	0	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
			44.55	24.67	-15.33	40	39.63	16.97	0.84	32.82	-	-	P	V
			63.95	26.06	-13.94	40	45.73	11.94	1.11	32.78	-	-	P	V
			77.53	29.28	-10.72	40	47.43	13.25	1.25	32.71	100	0	P	V
			184.23	24.9	-18.6	43.5	40.51	15.03	2.08	32.86	-	-	P	V
			557.68	27.81	-18.19	46	30.31	26.14	3.91	32.67	-	-	P	V
			922.4	32.84	-13.16	46	29.74	29.81	5.14	32.07	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



<Ant. 7>

<1Mbps>

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	Note	Frequency	Level	Over Limit	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		2337.3	57.64	-16.36	74	41.73	27.83	18.38	30.3	121	145	P	H	
		2367.645	46.63	-7.37	54	30.79	27.69	18.44	30.29	121	145	A	H	
	*	2402	98.88	-	-	83.16	27.5	18.5	30.28	121	145	P	H	
	*	2402	98.07	-	-	82.35	27.5	18.5	30.28	121	145	A	H	
													H	
													H	
			2328.585	56.9	-17.1	74	40.99	27.84	18.37	30.3	332	66	P	V
			2338.14	46.53	-7.47	54	30.62	27.82	18.39	30.3	332	66	A	V
	*		2402	97.06	-	-	81.34	27.5	18.5	30.28	332	66	P	V
	*		2402	96.24	-	-	80.52	27.5	18.5	30.28	332	66	A	V
													V	
													V	
BLE CH 19 2440MHz		2362.08	56.9	-17.1	74	41.03	27.73	18.43	30.29	106	143	P	H	
		2364.04	46.5	-7.5	54	30.64	27.72	18.43	30.29	106	143	A	H	
	*	2440	101.24	-	-	85.51	27.42	18.58	30.27	106	143	P	H	
	*	2440	100.63	-	-	84.9	27.42	18.58	30.27	106	143	A	H	
			2488.73	57.58	-16.42	74	41.76	27.4	18.67	30.25	106	143	P	H
			2486.91	46.52	-7.48	54	30.7	27.4	18.67	30.25	106	143	A	H
			2326.38	56.28	-17.72	74	40.37	27.85	18.36	30.3	365	65	P	V
			2320.78	46.31	-7.69	54	30.4	27.86	18.35	30.3	365	65	A	V
	*		2440	100.16	-	-	84.43	27.42	18.58	30.27	365	65	P	V
	*		2440	99.59	-	-	83.86	27.42	18.58	30.27	365	65	A	V
			2496.08	56.76	-17.24	74	40.92	27.4	18.69	30.25	365	65	P	V
			2492.51	46.71	-7.29	54	30.88	27.4	18.68	30.25	365	65	A	V



<b>BLE CH 39 2480MHz</b>	*	2480	99.21	-	-	83.41	27.4	18.66	30.26	100	139	P	H
	*	2480	98.35	-	-	82.55	27.4	18.66	30.26	100	139	A	H
		2493.96	56.08	-17.92	74	40.25	27.4	18.68	30.25	100	139	P	H
		2487	46.72	-7.28	54	30.9	27.4	18.67	30.25	100	139	A	H
													H
													H
	*	2480	97.99	-	-	82.19	27.4	18.66	30.26	351	65	P	V
	*	2480	97.21	-	-	81.41	27.4	18.66	30.26	351	65	A	V
		2484.8	56.57	-17.43	74	40.75	27.4	18.67	30.25	351	65	P	V
		2499.84	46.61	-7.39	54	30.77	27.4	18.69	30.25	351	65	A	V
													V
													V
<b>Remark</b>	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 )	Over Limit ( 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	40.49	-33.51	74	51.38	31.11	13.36	55.36	100	0	P	H
													H
													H
													H
		4804	40.49	-33.51	74	51.38	31.11	13.36	55.36	100	0	P	V
													V
													V
BLE CH 19 2440MHz		4880	40.13	-33.87	74	51.01	31.14	13.36	55.38	100	0	P	H
		7320	46.55	-27.45	74	50.19	36.44	16.18	56.26	100	0	P	H
													H
													H
		4880	40.4	-33.6	74	51.28	31.14	13.36	55.38	100	0	P	V
		7320	45.66	-28.34	74	49.3	36.44	16.18	56.26	100	0	P	V
													V
BLE CH 39 2480MHz		4960	39.71	-34.29	74	50.4	31.34	13.36	55.39	100	0	P	H
		7440	45.95	-28.05	74	49.45	36.4	16.39	56.29	100	0	P	H
													H
													H
		4960	39.88	-34.12	74	50.57	31.34	13.36	55.39	100	0	P	V
		7440	45.78	-28.22	74	49.28	36.4	16.39	56.29	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<2Mbps>

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	Note	Frequency	Level	Over Limit	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		2377.83	56.74	-17.26	74	40.93	27.63	18.46	30.28	119	145	P	H	
		2356.725	48.96	-5.04	54	33.07	27.76	18.42	30.29	119	145	P	H	
	*	2402	99.05	-	-	83.33	27.5	18.5	30.28	119	145	P	H	
	*	2402	97.62	-	-	81.9	27.5	18.5	30.28	119	145	A	H	
													H	
													H	
			2365.965	56.18	-17.82	74	40.33	27.7	18.44	30.29	332	68	P	V
			2316.93	48.28	-5.72	54	32.36	27.87	18.35	30.3	332	68	A	V
	*		2402	97.61	-	-	81.89	27.5	18.5	30.28	332	68	P	V
	*		2402	96.4	-	-	80.68	27.5	18.5	30.28	332	68	A	V
													V	
												V		
BLE CH 19 2440MHz		2320.36	56.82	-17.18	74	40.91	27.86	18.35	30.3	103	144	P	H	
		2320.78	48.39	-5.61	54	32.48	27.86	18.35	30.3	103	144	A	H	
	*	2440	101.47	-	-	85.74	27.42	18.58	30.27	103	144	P	H	
	*	2440	100.2	-	-	84.47	27.42	18.58	30.27	103	144	A	H	
			2484.18	55.82	-18.18	74	40.01	27.4	18.66	30.25	103	144	P	H
			2490.62	48.44	-5.56	54	32.61	27.4	18.68	30.25	103	144	A	H
			2389.8	56.99	-17.01	74	41.23	27.56	18.48	30.28	364	64	P	V
			2331.84	48.38	-5.62	54	32.47	27.84	18.37	30.3	364	64	A	V
	*		2440	100.55	-	-	84.82	27.42	18.58	30.27	364	64	P	V
	*		2440	99.21	-	-	83.48	27.42	18.58	30.27	364	64	A	V
			2489.78	56.08	-17.92	74	40.25	27.4	18.68	30.25	364	64	P	V
		2498.46	48.2	-5.8	54	32.36	27.4	18.69	30.25	364	64	A	V	





<b>BLE CH 39 2480MHz</b>	*	2480	99.33	-	-	83.53	27.4	18.66	30.26	101	140	P	H
	*	2480	97.79	-	-	81.99	27.4	18.66	30.26	101	140	A	H
		2494.64	57.52	-16.48	74	41.69	27.4	18.68	30.25	101	140	P	H
		2489.76	48.71	-5.29	54	32.88	27.4	18.68	30.25	101	140	A	H
													H
													H
	*	2480	98.25	-	-	82.45	27.4	18.66	30.26	355	65	P	V
	*	2480	96.92	-	-	81.12	27.4	18.66	30.26	355	65	A	V
		2496.84	56.67	-17.33	74	40.83	27.4	18.69	30.25	355	65	P	V
		2489.12	48.33	-5.67	54	32.51	27.4	18.67	30.25	355	65	A	V
													V
													V
<b>Remark</b>	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 )	Over Limit ( 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	39.89	-34.11	74	50.78	31.11	13.36	55.36	100	0	P	H	
													H	
													H	
													H	
		4804	40.84	-33.16	74	51.73	31.11	13.36	55.36	100	0	P	V	
														V
														V
BLE CH 19 2440MHz		4880	40.6	-33.4	74	51.48	31.14	13.36	55.38	100	0	P	H	
		7320	46.35	-27.65	74	49.99	36.44	16.18	56.26	100	0	P	H	
													H	
													H	
		4880	39.93	-34.07	74	50.81	31.14	13.36	55.38	100	0	P	V	
		7320	45.64	-28.36	74	49.28	36.44	16.18	56.26	100	0	P	V	
														V
BLE CH 39 2480MHz		4960	39.92	-34.08	74	50.61	31.34	13.36	55.39	100	0	P	V	
		7440	45.71	-28.29	74	49.21	36.4	16.39	56.29	100	0	P	V	
													H	
													H	
		4960	39.54	-34.46	74	50.23	31.34	13.36	55.39	100	0	P	V	
		7440	46.75	-27.25	74	50.25	36.4	16.39	56.29	100	0	P	V	
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Emission below 1GHz

2.4GHz BLE (LF)

BLE	Note	Frequency	Level	Over	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		62.98	18.53	-21.47	40	38.2	11.96	1.16	32.79	-	-	P	H	
		76.56	23.2	-16.8	40	41.53	13.35	1.32	32.71	-	-	P	H	
		95.96	24.51	-18.99	43.5	40.14	15.7	1.51	32.62	-	-	P	H	
		185.2	26.02	-17.48	43.5	41.61	15.03	2.22	32.86	-	-	P	H	
		421.88	23.92	-22.08	46	29.93	19.2	2.87	32.58	-	-	P	H	
		731.31	32.39	-13.61	46	32.46	30.9	5.46	31.57	100	0	P	H	
														H
														H
														H
														H
														H
														H
			44.55	24.38	-15.62	40	39.34	19.02	0.83	32.79	-	-	P	V
			62.98	26.84	-13.16	40	46.51	11.96	1.16	32.79	-	-	P	V
			77.53	29.77	-10.23	40	47.92	13.35	1.32	32.71	100	0	P	V
			183.26	24.6	-18.9	43.5	40.18	15.03	2.22	32.86	-	-	P	V
			629.46	27.93	-18.07	46	29.9	19.3	2.92	32.55	-	-	P	V
			745.86	32.37	-13.63	46	32.16	25.67	4.2	32.67	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



**Note symbol**

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



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

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

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. Over Limit(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. Over Limit(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. Over Limit(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 :	Karl Hou, Caster Liao, and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

### Note symbol

-L	Low channel location
-R	High channel location

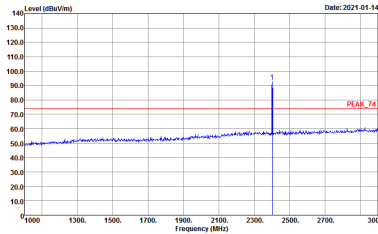


<Ant. 11>  
<1Mbps>

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

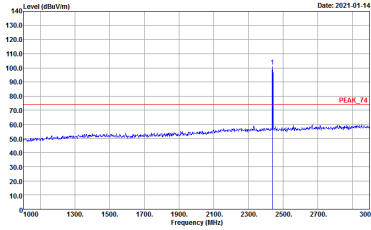
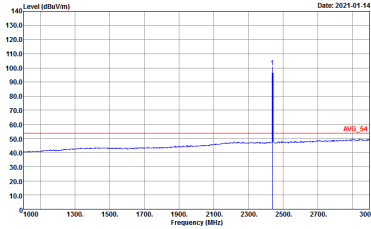
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	<p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>



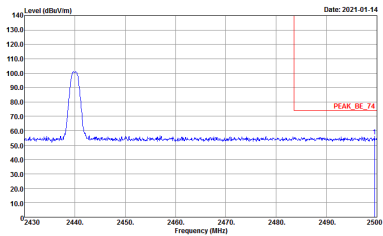
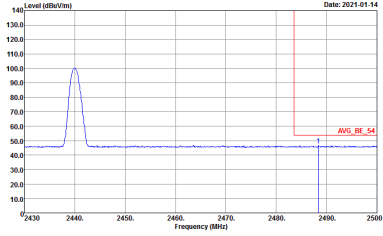
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH00 2402MHz	
	Vertical	Fundamental
Peak	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 2310 to 2415 MHz. A red line indicates the peak level at approximately 135 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the peak level at approximately 75 dBm/1m, labeled 'PEAK_74'.</p> <p>Site : 03CH16-HY            Condition : PEAK_74 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 2310 to 2415 MHz. A red line indicates the average level at approximately 55 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : AV6_BE_54 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the average level at approximately 55 dBm/1m, labeled 'AVG_54'.</p> <p>Site : 03CH16-HY            Condition : AV6_54 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>



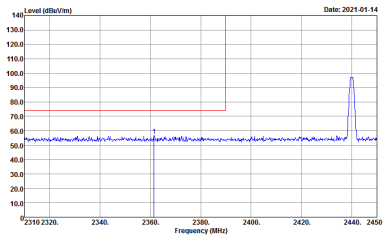
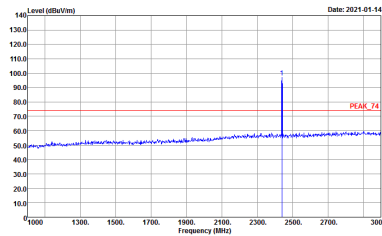
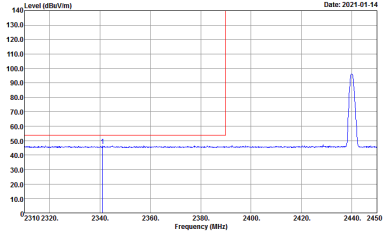
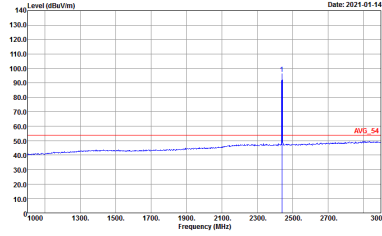


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
Horizontal		Fundamental
Peak	 <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	 <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>

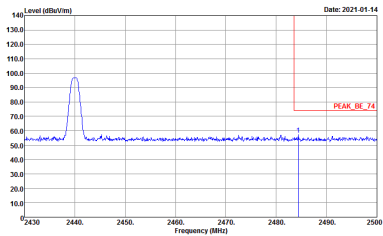
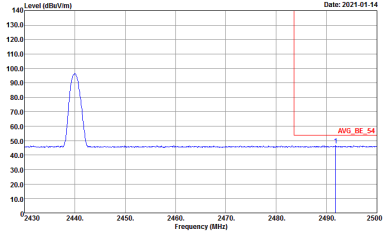


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - R	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

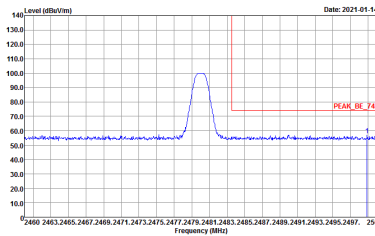
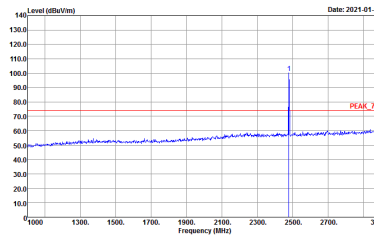
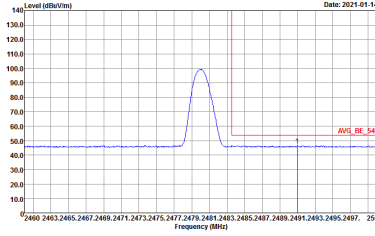
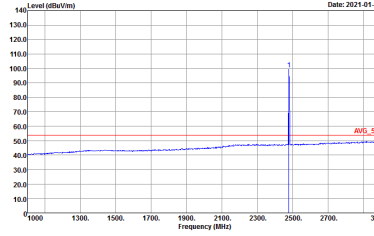


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
Vertical		Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the peak level at approximately 100 dBuV/m.</p> <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the peak level at approximately 75 dBuV/m.</p> <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average level at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the average level at approximately 50 dBuV/m.</p> <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average level at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the average level at approximately 50 dBuV/m.</p> <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

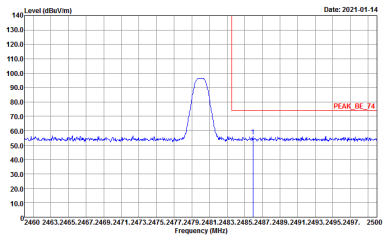
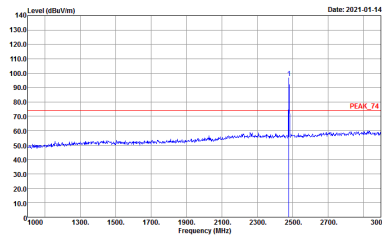
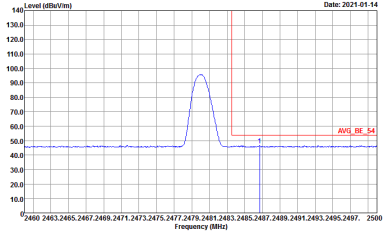
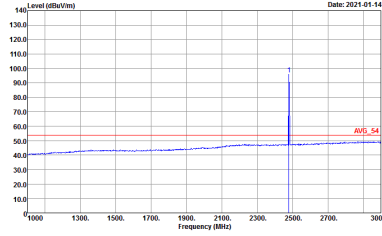


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - R	
	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Horizontal		Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBuV/m. The plot includes a red horizontal line labeled 'PEAK_BE_74' at the peak level.</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBuV/m. The plot includes a red horizontal line labeled 'PEAK_74' at the peak level.</p> <p>Site : 03CH16-HY            Condition : PEAK_74 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average spectrum with a peak at 2480 MHz. The peak level is approximately 100 dBuV/m. The plot includes a red horizontal line labeled 'AVG_BE_54' at the peak level.</p> <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average spectrum with a peak at 2480 MHz. The peak level is approximately 100 dBuV/m. The plot includes a red horizontal line labeled 'AVG_54' at the peak level.</p> <p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

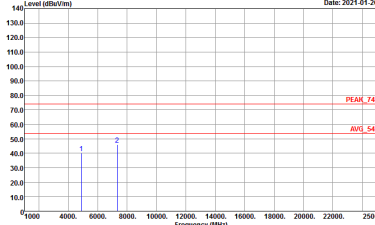
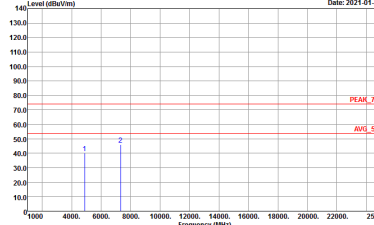


2.4GHz 2400~2483.5MHz

BLE (Harmonic @ 3m)

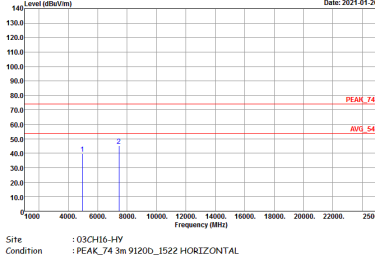
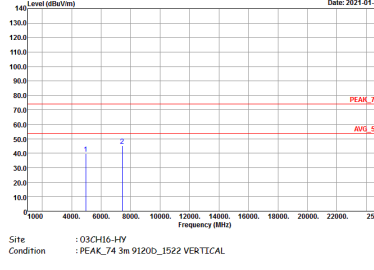
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	<p>Date: 2021-01-26</p> <p>Site Condition : 03CH16-HY : PEAK_74 3m 91200_1522 HORIZONTAL</p>	<p>Date: 2021-01-26</p> <p>Site Condition : 03CH16-HY : PEAK_74 3m 91200_1522 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH19 2440MHz	
	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL</p>





BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Vertical
Peak	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL</p>



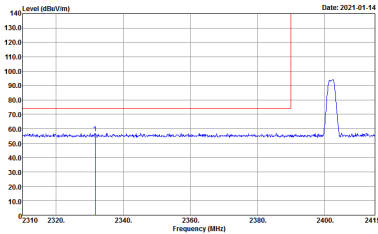
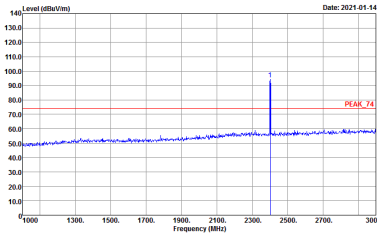
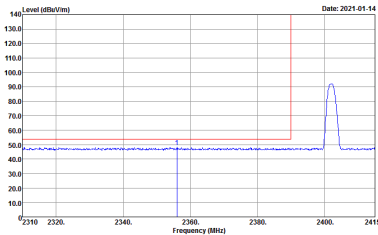
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2.4GHz 2400~2483.5MHz

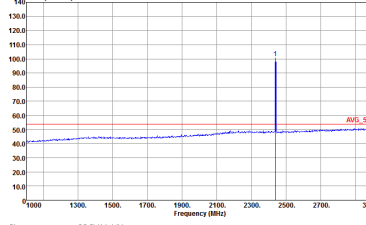
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Horizontal		Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto</p>	<p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto</p>

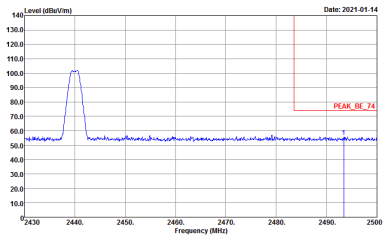
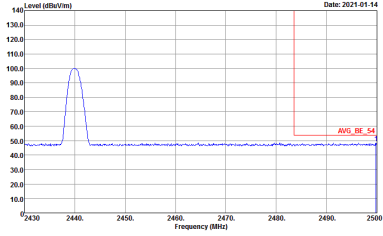


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Vertical		Fundamental
Peak	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 2310 to 2415 MHz. A red line indicates the peak level at approximately 95 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the peak level at approximately 75 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : PEAK_74 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 2310 to 2415 MHz. A red line indicates the average level at approximately 55 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : AV6_BE_54 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the average level at approximately 55 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : AV6_54 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>

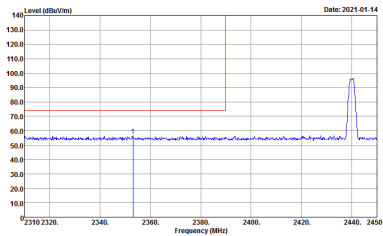
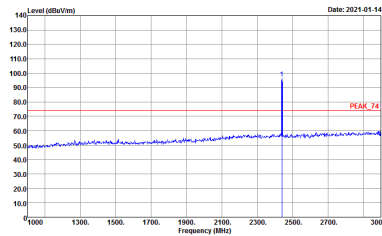
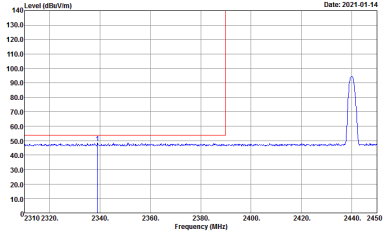
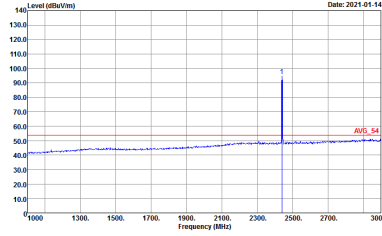


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-1HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-1HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH16-1HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	 <p>Site : 03CH16-1HY Condition : AVG_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>

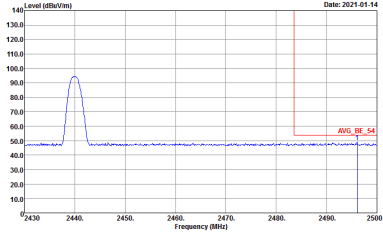


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - R		
Horizontal		Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	Left blank

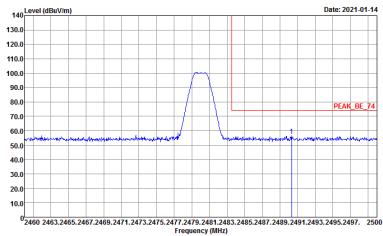
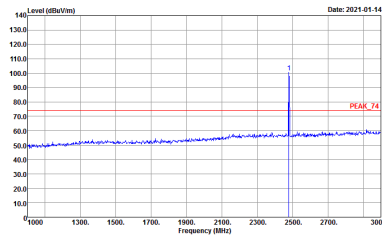
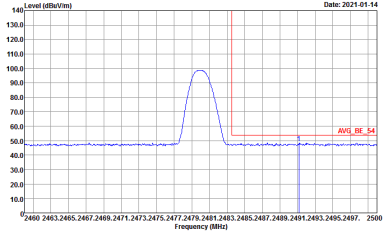
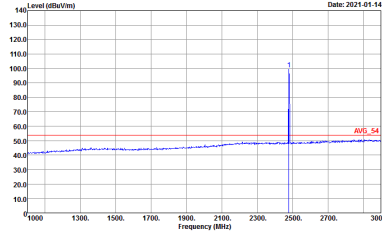


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
Vertical		Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red vertical line marks the peak at 2440 MHz.</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line labeled 'PEAK_74' is at approximately 75 dBuV/m.</p> <p>Site : 03CH16-HY            Condition : PEAK_74 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average spectrum. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red vertical line marks the peak at 2440 MHz.</p> <p>Site : 03CH16-HY            Condition : AV6_BE_54 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average spectrum. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line labeled 'AVG_54' is at approximately 55 dBuV/m.</p> <p>Site : 03CH16-HY            Condition : AV6_54 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



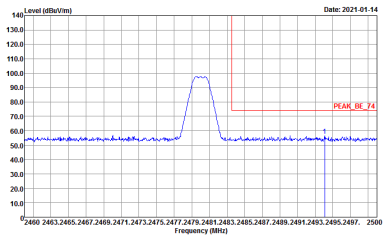
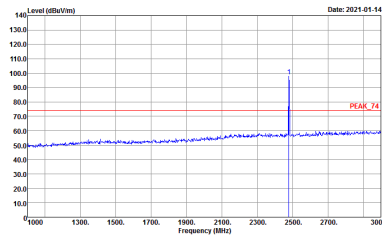
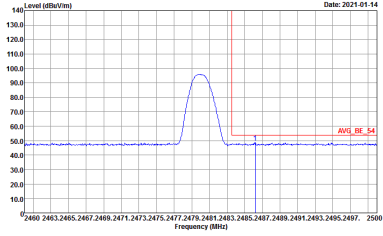
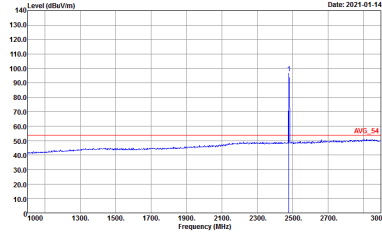
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - R	
	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	<p>Left blank</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBuV/m. The plot includes a red line indicating the peak level and a blue line for the signal. The x-axis ranges from 2460 to 2500 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBuV/m. The plot includes a red line indicating the peak level and a blue line for the signal. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY            Condition : PEAK_74 3m 91200_1522 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average level at 2480 MHz. The average level is approximately 50 dBuV/m. The plot includes a red line indicating the average level and a blue line for the signal. The x-axis ranges from 2460 to 2500 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY            Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL            : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average level at 2480 MHz. The average level is approximately 50 dBuV/m. The plot includes a red line indicating the average level and a blue line for the signal. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY            Condition : AV6_54 3m 91200_1522 HORIZONTAL            : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>





BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Vertical	Fundamental
Peak	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBµV/m. The plot includes a red line indicating the peak level and a blue line for the spectrum. The x-axis ranges from 2460 to 2500 MHz, and the y-axis ranges from 10.0 to 140.0 dBµV/m.</p> <p>Site : 03CH16-HY  Condition : PEAK_BE_74 3m 91200_1522 VERTICAL  : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBµV/m. The plot includes a red line indicating the peak level and a blue line for the spectrum. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 10.0 to 140.0 dBµV/m.</p> <p>Site : 03CH16-HY  Condition : PEAK_74 3m 91200_1522 VERTICAL  : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing an average level at 2480 MHz. The average level is approximately 50 dBµV/m. The plot includes a red line indicating the average level and a blue line for the spectrum. The x-axis ranges from 2460 to 2500 MHz, and the y-axis ranges from 10.0 to 140.0 dBµV/m.</p> <p>Site : 03CH16-HY  Condition : AV6_BE_54 3m 91200_1522 VERTICAL  : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing an average level at 2480 MHz. The average level is approximately 50 dBµV/m. The plot includes a red line indicating the average level and a blue line for the spectrum. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 10.0 to 140.0 dBµV/m.</p> <p>Site : 03CH16-HY  Condition : AV6_54 3m 91200_1522 VERTICAL  : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



2.4GHz 2400~2483.5MHz

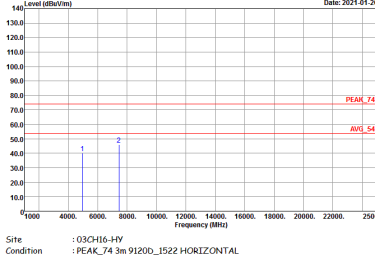
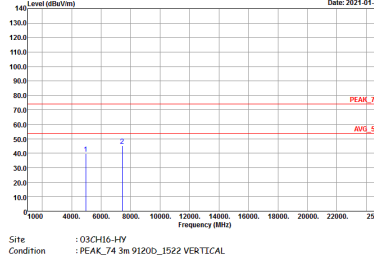
BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL</p>	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH19 2440MHz	
	Horizontal	Vertical
Peak Avg.	<p>Date: 2021-01-26</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL</p>	<p>Date: 2021-01-26</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Vertical
Peak	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL</p>



Emission below 1GHz

2.4GHz BLE (LF)

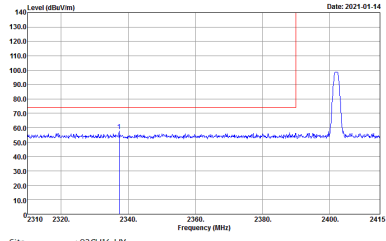
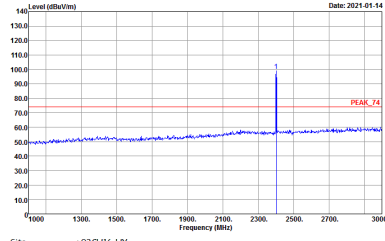
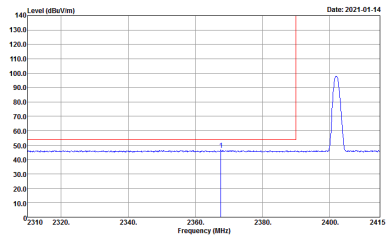
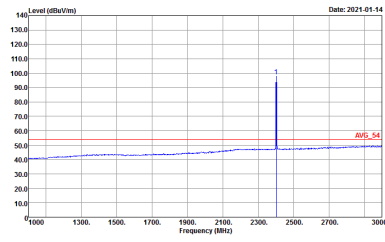
BLE	2.4GHz 2400~2483.5MHz	
	BLE LF	
	Horizontal	Vertical
QP / Peak	<p>Site : 03CH16-HY Condition : QP 3m BIL06_47020406 HORIZONTAL</p>	<p>Site : 03CH16-HY Condition : QP 3m BIL06_47020406 VERTICAL</p>



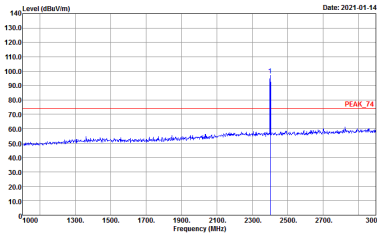
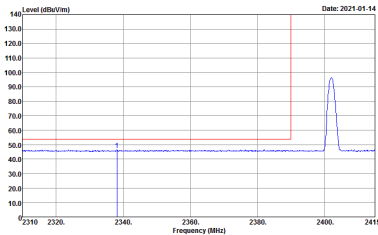
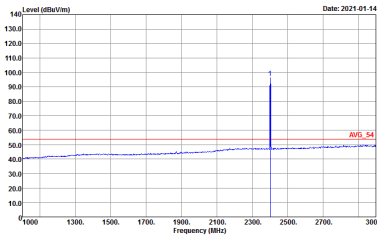
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2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>



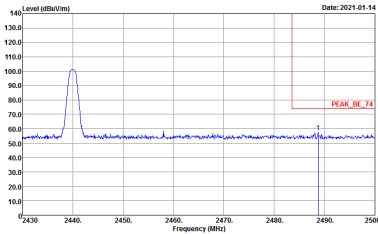
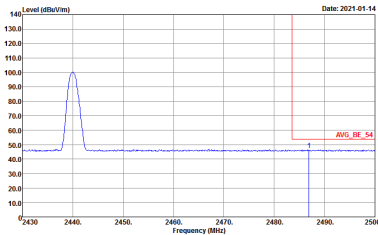
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Vertical		Fundamental
Peak	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 2310 to 2415 MHz. A red line indicates the peak level at approximately 100 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 0 to 140 dBm/1m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the peak level at approximately 75 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : PEAK_74 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 2310 to 2415 MHz. A red line indicates the average level at approximately 50 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : AV6_BE_54 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 10.0 to 140 dBm/1m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the average level at approximately 50 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : AV6_54 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>



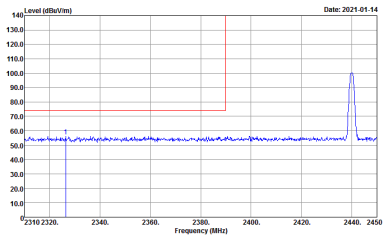
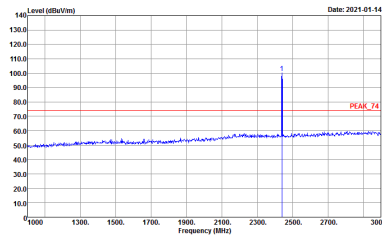
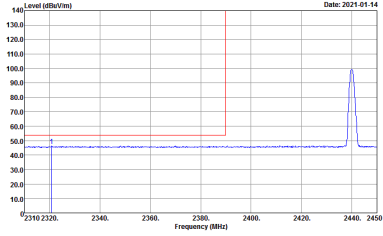
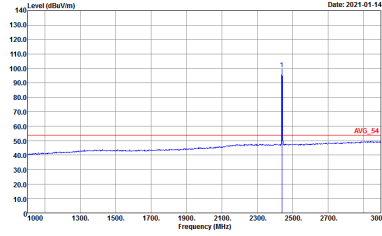
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
Horizontal		Fundamental
Peak	<p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	<p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>



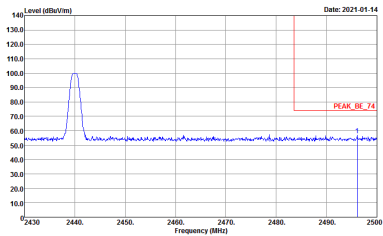
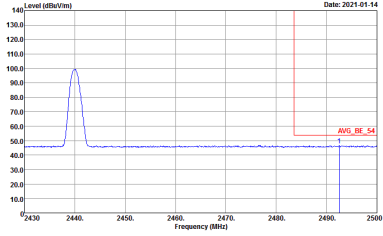


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - R		
Horizontal		Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

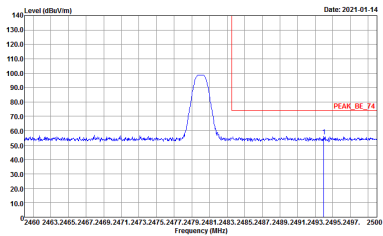
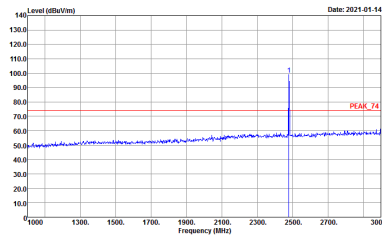
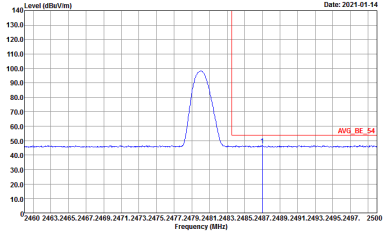
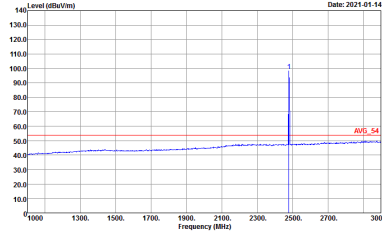


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - L	
	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Peak. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A sharp peak is visible at approximately 2440 MHz. A red horizontal line is drawn at approximately 75 dBuV/m. The plot is dated 2021-01-14.</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A sharp peak is visible at approximately 2440 MHz. A red horizontal line is labeled 'PEAK_74' at approximately 75 dBuV/m. The plot is dated 2021-01-14.</p> <p>Site : 03CH16-HY            Condition : PEAK_74 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Avg. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A peak is visible at approximately 2440 MHz. A red horizontal line is drawn at approximately 55 dBuV/m. The plot is dated 2021-01-14.</p> <p>Site : 03CH16-HY            Condition : AV6_BE_54 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Avg. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A peak is visible at approximately 2440 MHz. A red horizontal line is labeled 'AVG_54' at approximately 55 dBuV/m. The plot is dated 2021-01-14.</p> <p>Site : 03CH16-HY            Condition : AV6_54 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

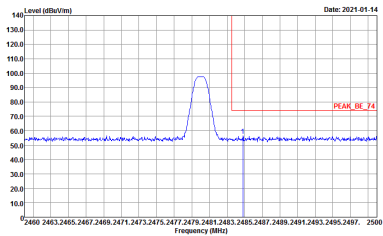
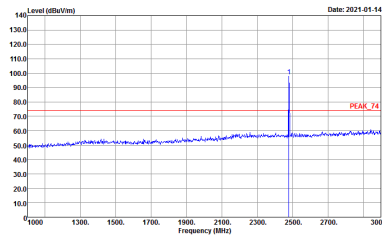
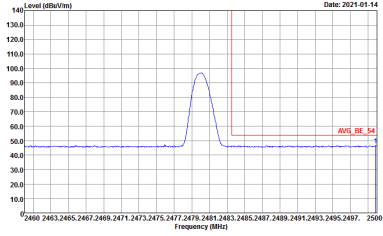
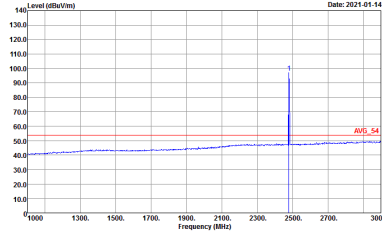


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - R		
Vertical		Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Vertical	Fundamental
Peak	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBµV/m. The plot includes a red horizontal line labeled 'PEAK_BE_74' at the peak level.</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBµV/m. The plot includes a red horizontal line labeled 'PEAK_74' at the peak level.</p> <p>Site : 03CH16-HY            Condition : PEAK_74 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing an average spectrum with a peak at 2480 MHz. The peak level is approximately 100 dBµV/m. The plot includes a red horizontal line labeled 'AVG_BE_54' at the peak level.</p> <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing an average spectrum with a peak at 2480 MHz. The peak level is approximately 100 dBµV/m. The plot includes a red horizontal line labeled 'AVG_54' at the peak level.</p> <p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>

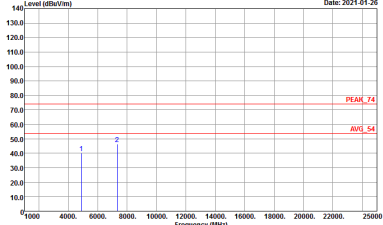
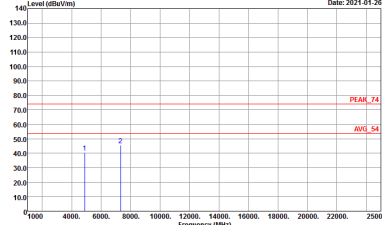


2.4GHz 2400~2483.5MHz

BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL</p>	<p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH19 2440MHz	
	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Vertical
Peak	<p>Date: 2021-01-26</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL</p>	<p>Date: 2021-01-26</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL</p>





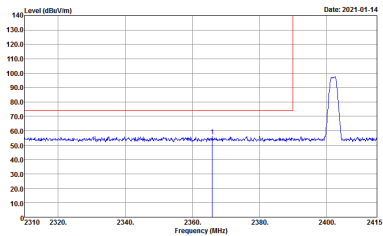
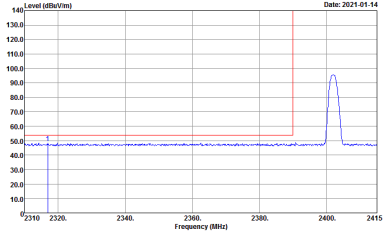
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2.4GHz 2400~2483.5MHz

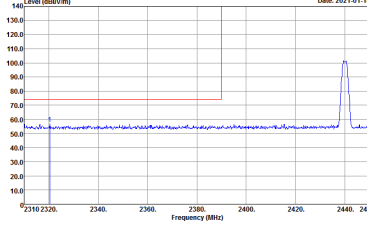
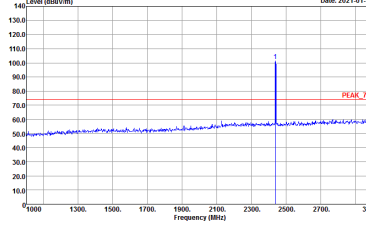
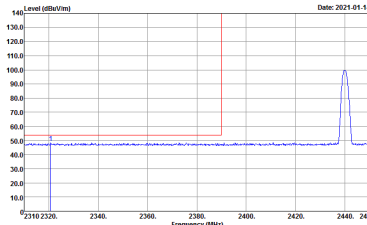
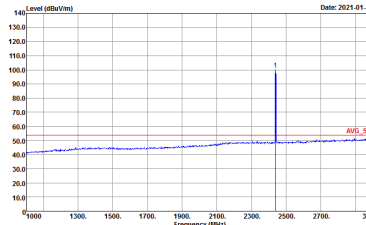
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Horizontal		Fundamental
Peak	<p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	<p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>

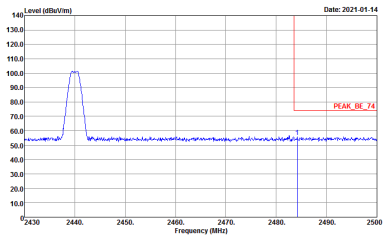
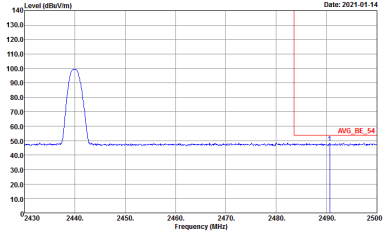


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Vertical		Fundamental
Peak	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 2310 to 2415 MHz. A red line indicates the peak level at approximately 100 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the peak level at approximately 75 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : PEAK_74 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 2310 to 2415 MHz. A red line indicates the average level at approximately 50 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : AV6_BE_54 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	 <p>Level (dBm/1m) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/1m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the average level at approximately 50 dBm/1m.</p> <p>Site : 03CH16-HY            Condition : AV6_54 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>

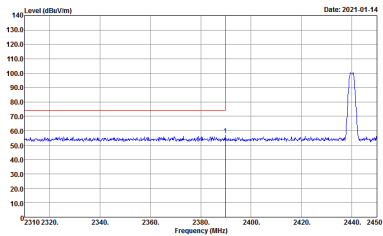
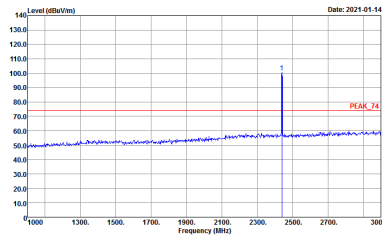
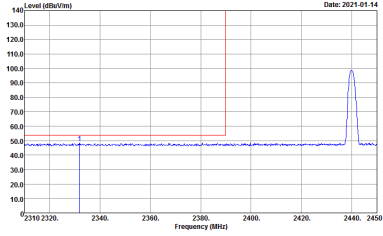
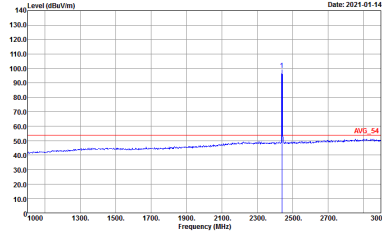


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
	Horizontal	Fundamental
Peak	 <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	 <p>Date: 2021-01-14</p> <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>

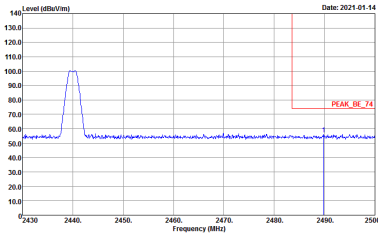
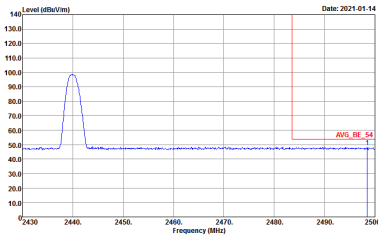


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - R		
Horizontal		Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	Left blank

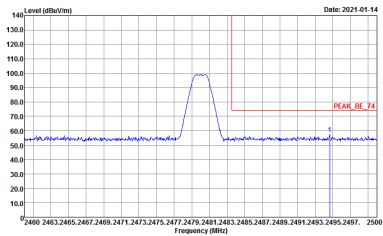
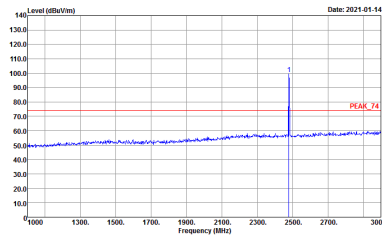
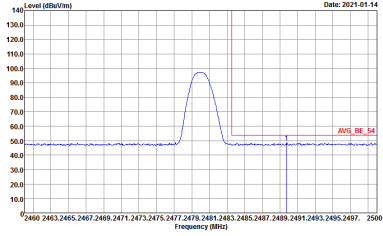
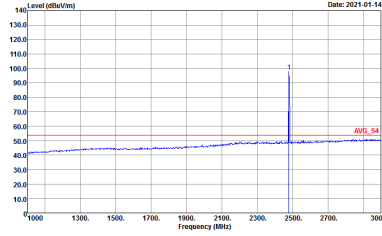


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
Vertical		Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red vertical line marks the peak at 2440 MHz.</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red vertical line marks the peak at 2440 MHz.</p> <p>Site : 03CH16-HY            Condition : PEAK_74 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average spectrum. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red vertical line marks the peak at 2440 MHz.</p> <p>Site : 03CH16-HY            Condition : AV6_BE_54 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average spectrum. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red vertical line marks the peak at 2440 MHz.</p> <p>Site : 03CH16-HY            Condition : AV6_54 3m 91200_1522 VERTICAL                          : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>

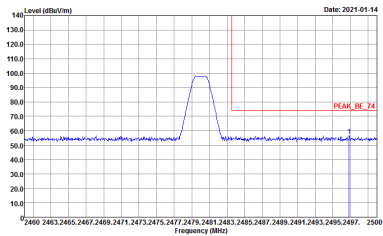
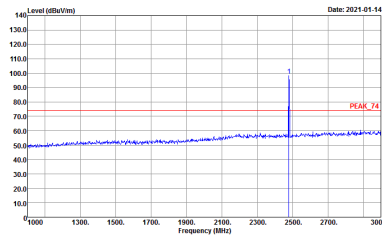
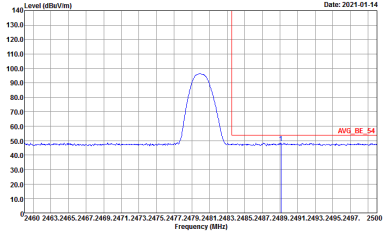
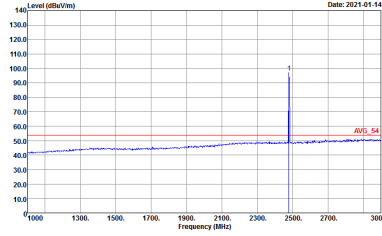


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - R	
	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	<p>Left blank</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Horizontal		Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBuV/m. The plot includes a red line indicating the peak level and a blue line for the signal. The x-axis ranges from 2460 to 2500 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBuV/m. The plot includes a red line indicating the peak level and a blue line for the signal. The x-axis ranges from 2400 to 3000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH16-HY            Condition : PEAK_74 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average level at 2480 MHz. The average level is approximately 50 dBuV/m. The plot includes a red line indicating the average level and a blue line for the signal. The x-axis ranges from 2460 to 2500 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH16-HY            Condition : AV6_BE_54 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average level at 2480 MHz. The average level is approximately 50 dBuV/m. The plot includes a red line indicating the average level and a blue line for the signal. The x-axis ranges from 2400 to 3000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH16-HY            Condition : AV6_54 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>



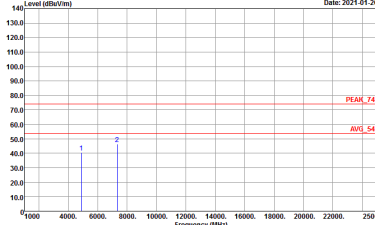
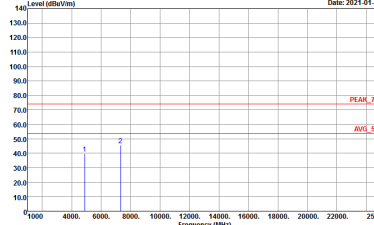


2.4GHz 2400~2483.5MHz

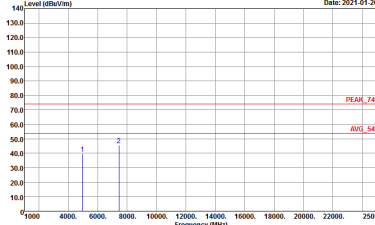
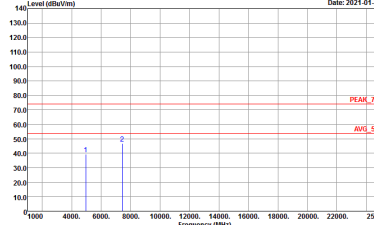
BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	<p>Date: 2021-01-26</p> <p>Site Condition : 03CH16-HY : PEAK_74 3m 91200_1522 HORIZONTAL</p>	<p>Date: 2021-01-26</p> <p>Site Condition : 03CH16-HY : PEAK_74 3m 91200_1522 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH19 2440MHz	
	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Date: 2021-01-26</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL</p>	 <p>Date: 2021-01-26</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Vertical
Peak	 <p>Date: 2021-01-26</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL</p>	 <p>Date: 2021-01-26</p> <p>Site : 03CH16-HY Condition : PEAK_74 3m 91200_1522 VERTICAL</p>



Emission below 1GHz

2.4GHz BLE (LF)

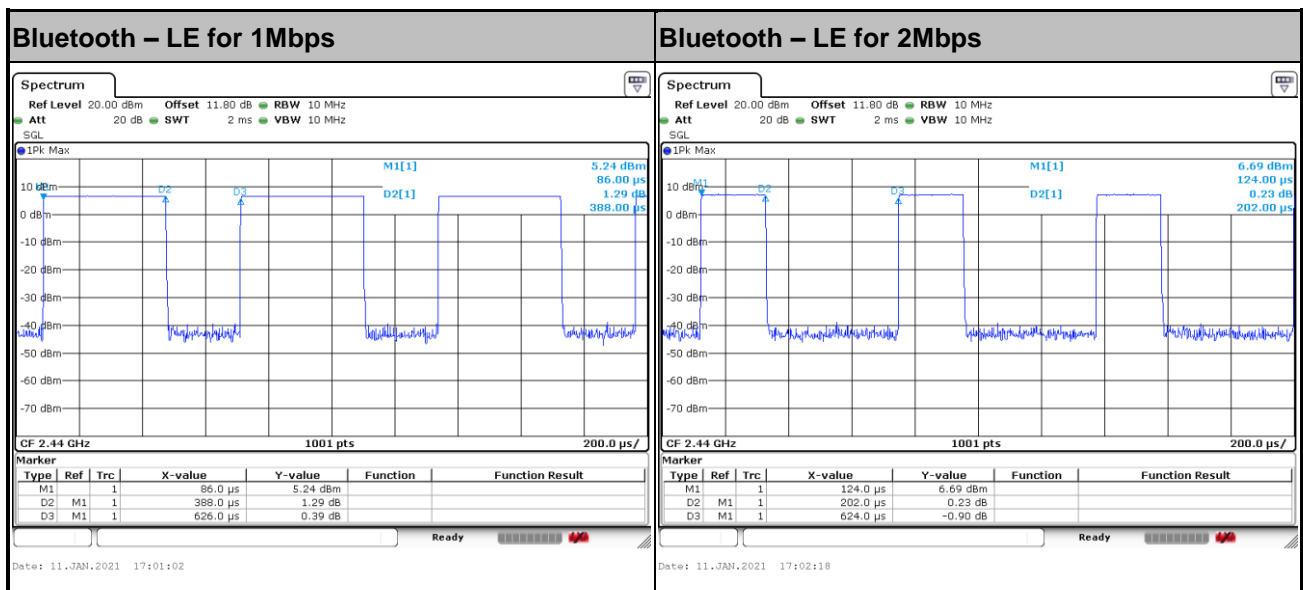
BLE	2.4GHz 2400~2483.5MHz	
	BLE LF	
	Horizontal	Vertical
QP / Peak	<p>Site : 03CH16-HY Condition : QP 3m BIL06_47020806 HORIZONTAL</p>	<p>Site : 03CH16-HY Condition : QP 3m BIL06_47020806 VERTICAL</p>



## Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
11	Bluetooth –LE for 1Mbps	61.98	380	2.63	3kHz	2.08
11	Bluetooth –LE for 2Mbps	32.37	202	4.95	10kHz	4.90
7	Bluetooth –LE for 1Mbps	61.98	380	2.63	3kHz	2.08
7	Bluetooth –LE for 2Mbps	32.59	204	4.90	10kHz	4.87

<Ant. 11>



<Ant. 7>

