

<Normal Mode with Ant. 5>

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	1.015	0.670	0.50	Pass
BLE	1Mbps	1	19	2440	1.015	0.670	0.50	Pass
BLE	1Mbps	1	39	2480	1.170	0.670	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	9.20	30.00	-0.80	8.40	36.00	Pass
BLE	1Mbps	1	19	2440	10.70	30.00	-0.80	9.90	36.00	Pass
BLE	1Mbps	1	39	2480	8.60	30.00	-0.80	7.80	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	9.12	-5.23	-0.80	8.00	Pass
BLE	1Mbps	1	19	2440	10.70	-3.64	-0.80	8.00	Pass
BLE	1Mbps	1	39	2480	8.90	-5.47	-0.80	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	2.002	1.152	0.50	Pass
BLE	2Mbps	1	19	2440	1.998	1.148	0.50	Pass
BLE	2Mbps	1	39	2480	1.998	1.160	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	9.10	30.00	-0.80	8.30	36.00	Pass
BLE	2Mbps	1	19	2440	10.60	30.00	-0.80	9.80	36.00	Pass
BLE	2Mbps	1	39	2480	8.50	30.00	-0.80	7.70	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	2Mbps	1	0	2402	9.15	-8.14	-0.80	8.00	Pass
BLE	2Mbps	1	19	2440	10.73	-6.52	-0.80	8.00	Pass
BLE	2Mbps	1	39	2480	8.97	-8.30	-0.80	8.00	Pass

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

<Camera Mode with Ant. 6>

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	1.015	0.670	0.50	Pass
BLE	1Mbps	1	19	2440	1.015	0.670	0.50	Pass
BLE	1Mbps	1	39	2480	1.019	0.672	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	7.70	30.00	2.70	10.40	36.00	Pass
BLE	1Mbps	1	19	2440	6.50	30.00	2.70	9.20	36.00	Pass
BLE	1Mbps	1	39	2480	6.90	30.00	2.70	9.60	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	7.20	-7.22	2.70	8.00	Pass
BLE	1Mbps	1	19	2440	6.16	-8.21	2.70	8.00	Pass
BLE	1Mbps	1	39	2480	6.76	-7.63	2.70	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	2.002	1.152	0.50	Pass
BLE	2Mbps	1	19	2440	2.002	1.148	0.50	Pass
BLE	2Mbps	1	39	2480	1.998	1.156	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	7.60	30.00	2.70	10.30	36.00	Pass
BLE	2Mbps	1	19	2440	6.40	30.00	2.70	9.10	36.00	Pass
BLE	2Mbps	1	39	2480	6.80	30.00	2.70	9.50	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	7.29	-9.98	2.70	8.00	Pass
BLE	2Mbps	1	19	2440	6.22	-11.04	2.70	8.00	Pass
BLE	2Mbps	1	39	2480	6.79	-10.52	2.70	8.00	Pass

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



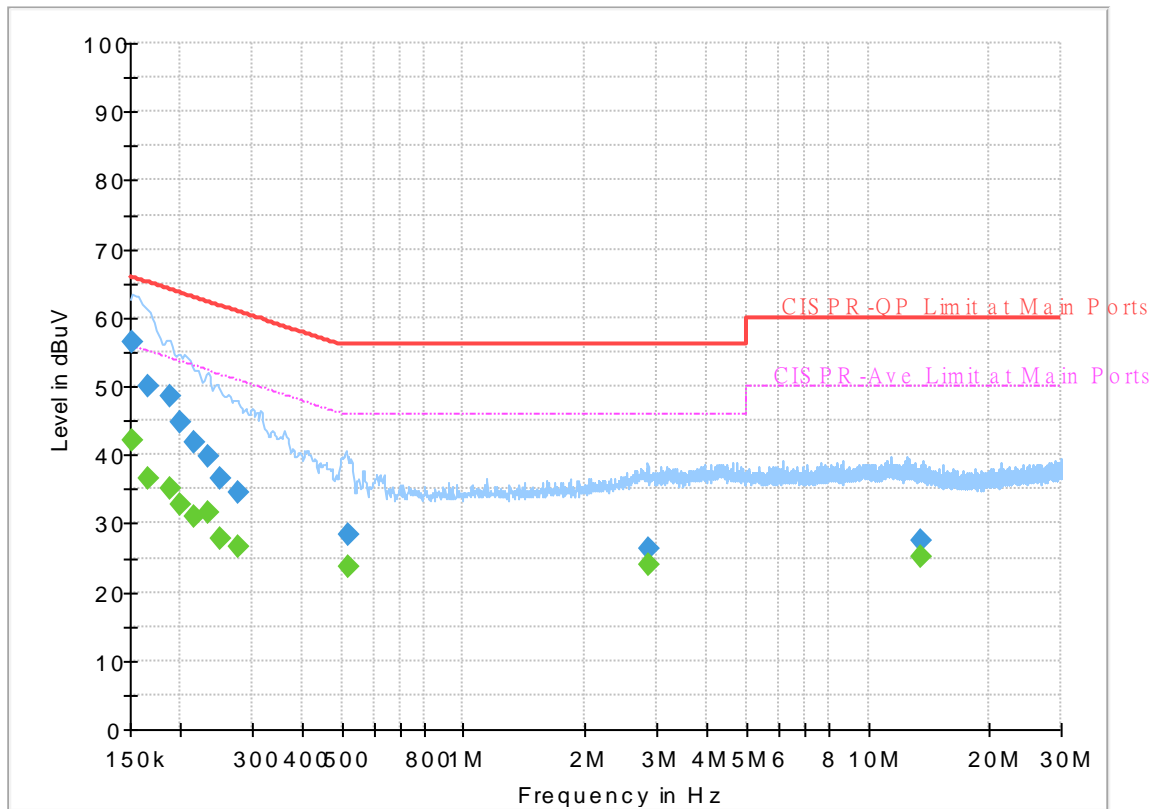
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 082114
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final_Result

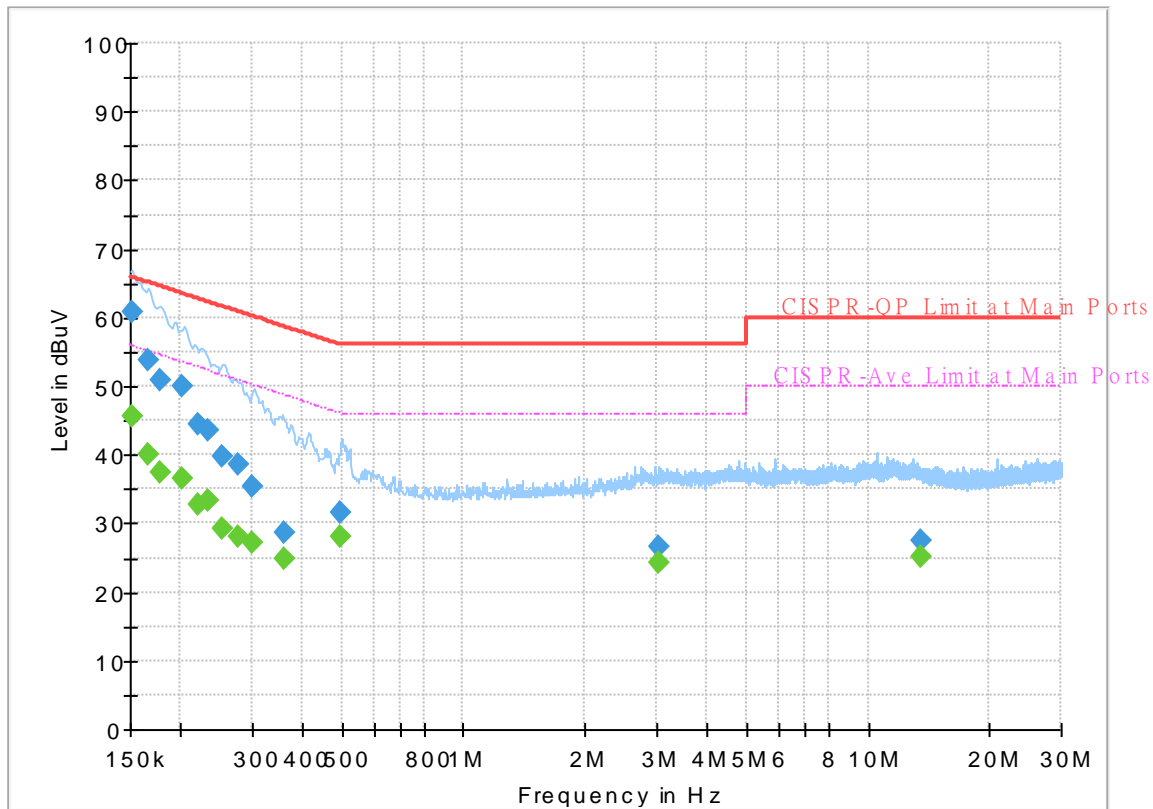
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	42.23	55.88	13.65	L1	OFF	19.6
0.152250	56.56	---	65.88	9.32	L1	OFF	19.6
0.165750	---	36.63	55.17	18.54	L1	OFF	19.6
0.165750	50.01	---	65.17	15.16	L1	OFF	19.6
0.188250	---	35.02	54.11	19.09	L1	OFF	19.6
0.188250	48.42	---	64.11	15.69	L1	OFF	19.6
0.199500	---	32.66	53.63	20.97	L1	OFF	19.6
0.199500	44.81	---	63.63	18.82	L1	OFF	19.6
0.215610	---	30.90	52.99	22.09	L1	OFF	19.5
0.215610	41.80	---	62.99	21.19	L1	OFF	19.5
0.232800	---	31.51	52.35	20.84	L1	OFF	19.5
0.232800	39.73	---	62.35	22.62	L1	OFF	19.5
0.250890	---	27.66	51.73	24.07	L1	OFF	19.5
0.250890	36.42	---	61.73	25.31	L1	OFF	19.5
0.277980	---	26.56	50.88	24.32	L1	OFF	19.5
0.277980	34.64	---	60.88	26.24	L1	OFF	19.5
0.516750	---	23.79	46.00	22.21	L1	OFF	19.5
0.516750	28.46	---	56.00	27.54	L1	OFF	19.5
2.856750	---	24.07	46.00	21.93	L1	OFF	19.7
2.856750	26.36	---	56.00	29.64	L1	OFF	19.7
13.560000	---	25.19	50.00	24.81	L1	OFF	20.1

13.560000	27.41	---	60.00	32.59	L1	OFF	20.1
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EUT Information

Report NO : 082114
 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)
0.152250	---	45.68	55.88	10.20	N	OFF	19.6
0.152250	60.96	---	65.88	4.92	N	OFF	19.6
0.165660	---	39.92	55.18	15.26	N	OFF	19.6
0.165660	53.69	---	65.18	11.49	N	OFF	19.6
0.177900	---	37.43	54.58	17.15	N	OFF	19.6
0.177900	51.00	---	64.58	13.58	N	OFF	19.6
0.201120	---	36.63	53.56	16.93	N	OFF	19.6
0.201120	49.86	---	63.56	13.70	N	OFF	19.6
0.222000	---	32.62	52.74	20.12	N	OFF	19.6
0.222000	44.41	---	62.74	18.33	N	OFF	19.6
0.233790	---	33.37	52.31	18.94	N	OFF	19.6
0.233790	43.44	---	62.31	18.87	N	OFF	19.6
0.253230	---	29.28	51.65	22.37	N	OFF	19.6
0.253230	39.84	---	61.65	21.81	N	OFF	19.6
0.277350	---	28.19	50.90	22.71	N	OFF	19.6
0.277350	38.66	---	60.90	22.24	N	OFF	19.6
0.300750	---	27.15	50.22	23.07	N	OFF	19.6
0.300750	35.34	---	60.22	24.88	N	OFF	19.6
0.361500	---	24.77	48.69	23.92	N	OFF	19.6
0.361500	28.76	---	58.69	29.93	N	OFF	19.6
0.498390	---	28.10	46.03	17.93	N	OFF	19.6

0.498390	31.54	---	56.03	24.49	N	OFF	19.6
3.045750	---	24.24	46.00	21.76	N	OFF	19.7
3.045750	26.66	---	56.00	29.34	N	OFF	19.7
13.560000	---	25.26	50.00	24.74	N	OFF	20.2
13.560000	27.53	---	60.00	32.47	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.5~24.2°C
		Relative Humidity :	44~57%

<Normal Mode with Ant. 4>

<1Mbps>

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 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		2321.13	54.79	-19.21	74	41.53	27.76	16.45	30.95	141	299	P	H	
		2368.065	45.66	-8.34	54	32.43	27.63	16.53	30.93	141	299	A	H	
	*	2402	97.16	-	-	83.99	27.5	16.58	30.91	141	299	P	H	
	*	2402	96.61	-	-	83.44	27.5	16.58	30.91	141	299	A	H	
													H	
			2344.335	55.18	-18.82	74	41.92	27.71	16.49	30.94	386	35	P	V
			2347.695	45.68	-8.32	54	32.42	27.7	16.49	30.93	386	35	A	V
	*		2402	92.48	-	-	79.31	27.5	16.58	30.91	386	35	P	V
	*		2402	91.8	-	-	78.63	27.5	16.58	30.91	386	35	A	V
														V
BLE CH 19 2440MHz		2335.92	54.98	-19.02	74	41.72	27.73	16.47	30.94	111	303	P	H	
		2327.12	45.73	-8.27	54	32.46	27.75	16.46	30.94	111	303	A	H	
	*	2440	101.69	-	-	88.45	27.5	16.64	30.9	111	303	P	H	
	*	2440	101.11	-	-	87.87	27.5	16.64	30.9	111	303	A	H	
			2496.58	54.71	-19.29	74	41.44	27.41	16.73	30.87	111	303	P	H
			2485.06	45.42	-8.58	54	32.16	27.43	16.71	30.88	111	303	A	H
			2340.4	54.38	-19.62	74	41.12	27.72	16.48	30.94	366	352	P	V
			2372.24	45.94	-8.06	54	32.72	27.61	16.53	30.92	366	352	A	V
	*		2440	96.16	-	-	82.92	27.5	16.64	30.9	366	352	P	V
	*		2440	95.5	-	-	82.26	27.5	16.64	30.9	366	352	A	V
			2488.75	54.18	-19.82	74	40.91	27.42	16.72	30.87	366	352	P	V
			2489.38	45.56	-8.44	54	32.29	27.42	16.72	30.87	366	352	A	V



BLE CH 39 2480MHz	*	2480	100.23	-	-	86.97	27.44	16.7	30.88	129	308	P	H
	*	2480	99.59	-	-	86.33	27.44	16.7	30.88	129	308	A	H
		2499.24	55.14	-18.86	74	41.88	27.4	16.73	30.87	129	308	P	H
		2494.88	45.81	-8.19	54	32.54	27.41	16.73	30.87	129	308	A	H
													H
													H
	*	2480	96.26	-	-	83	27.44	16.7	30.88	400	45	P	V
	*	2480	95.74	-	-	82.48	27.44	16.7	30.88	400	45	A	V
		2484.52	54.8	-19.2	74	41.54	27.43	16.71	30.88	400	45	P	V
		2488.4	45.72	-8.28	54	32.45	27.42	16.72	30.87	400	45	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

BLE	Note	Frequency (MHz)	Level (dBµV/m)	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	40.39	-33.61	74	58.32	31.1	10.05	59.08	100	0	P	H
													H
													H
													H
		4804	40.62	-33.38	74	58.55	31.1	10.05	59.08	100	0	P	V
													V
													V
BLE CH 19 2440MHz		4880	39.49	-34.51	74	57.47	31.04	10.11	59.13	100	0	P	H
		7320	45.12	-28.88	74	55.05	36.3	12.32	58.55	100	0	P	H
													H
													H
		4880	40.17	-33.83	74	58.15	31.04	10.11	59.13	100	0	P	V
		7320	45.21	-28.79	74	55.14	36.3	12.32	58.55	100	0	P	V
													V
BLE CH 39 2480MHz		4960	41.07	-32.93	74	58.86	31.22	10.17	59.18	100	0	P	H
		7440	45.39	-28.61	74	55.08	36.3	12.39	58.38	100	0	P	H
													H
													H
		4960	40.45	-33.55	74	58.24	31.22	10.17	59.18	100	0	P	V
		7440	46	-28	74	55.69	36.3	12.39	58.38	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		2352.525	55.32	-18.68	74	42.06	27.69	16.5	30.93	100	296	P	H	
		2319.555	47.57	-6.43	54	34.31	27.76	16.45	30.95	100	296	A	H	
	*	2402	95.61	-	-	82.44	27.5	16.58	30.91	100	296	P	H	
	*	2402	94.35	-	-	81.18	27.5	16.58	30.91	100	296	A	H	
													H	
													H	
			2363.13	55.1	-18.9	74	41.86	27.65	16.52	30.93	400	27	P	V
			2381.4	47.45	-6.55	54	34.25	27.57	16.55	30.92	400	27	A	V
	*		2402	88.68	-	-	75.51	27.5	16.58	30.91	400	27	P	V
	*		2402	87.43	-	-	74.26	27.5	16.58	30.91	400	27	A	V
													V	
												V		
BLE CH 39 2480MHz	*	2480	99.76	-	-	86.5	27.44	16.7	30.88	100	297	P	H	
	*	2480	98.47	-	-	85.21	27.44	16.7	30.88	100	297	A	H	
			2499.32	54.76	-19.24	74	41.5	27.4	16.73	30.87	100	297	P	H
			2489.48	47.39	-6.61	54	34.12	27.42	16.72	30.87	100	297	A	H
													H	
													H	
	*		2480	95.83	-	-	82.57	27.44	16.7	30.88	400	360	P	V
	*		2480	94.45	-	-	81.19	27.44	16.7	30.88	400	360	A	V
			2485.48	55.35	-18.65	74	42.09	27.43	16.71	30.88	400	360	P	V
			2484.76	47.43	-6.57	54	34.17	27.43	16.71	30.88	400	360	A	V
													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		32.91	20.37	-19.63	40	30.31	21.69	0.7	32.33	-	-	P	H	
		93.05	25.02	-18.48	43.5	40.6	15.36	1.37	32.31	-	-	P	H	
		138.64	25.51	-17.99	43.5	38.69	17.65	1.68	32.51	-	-	P	H	
		160.95	25.42	-18.08	43.5	39.41	16.62	1.81	32.42	-	-	P	H	
		729.37	37.54	-8.46	46	39.05	27.26	3.67	32.44	100	0	P	H	
		896.21	33.9	-12.1	46	33.12	28.58	4.15	31.95	-	-	P	H	
														H
														H
														H
														H
														H
														H
			32.91	27.34	-12.66	40	37.28	21.69	0.7	32.33	-	-	P	V
			50.37	25.28	-14.72	40	42.19	14.57	0.92	32.4	-	-	P	V
			93.05	24.55	-18.95	43.5	40.13	15.36	1.37	32.31	-	-	P	V
			711.91	37.87	-8.13	46	40.18	26.48	3.62	32.41	-	-	P	V
			746.83	37.36	-8.64	46	38.45	27.66	3.71	32.46	-	-	P	V
			905.91	38.96	-7.04	46	38.01	28.64	4.18	31.87	100	0	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



<Normal Mode with Ant. 5>

<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		2352.315	55.41	-18.59	74	42.15	27.69	16.5	30.93	148	346	P	H	
		2326.065	45.74	-8.26	54	32.47	27.75	16.46	30.94	148	346	A	H	
	*	2402	94.49	-	-	81.32	27.5	16.58	30.91	148	346	P	H	
	*	2402	93.95	-	-	80.78	27.5	16.58	30.91	148	346	A	H	
													H	
													H	
			2384.76	54.39	-19.61	74	41.2	27.56	16.55	30.92	386	33	P	V
			2317.77	45.61	-8.39	54	32.36	27.76	16.44	30.95	386	33	A	V
	*		2402	91.61	-	-	78.44	27.5	16.58	30.91	386	33	P	V
	*		2402	91.08	-	-	77.91	27.5	16.58	30.91	386	33	A	V
													V	
													V	
BLE CH 19 2440MHz		2355.92	55.38	-18.62	74	42.12	27.68	16.51	30.93	100	300	P	H	
		2327.76	45.74	-8.26	54	32.48	27.74	16.46	30.94	100	300	A	H	
	*	2440	99.07	-	-	85.83	27.5	16.64	30.9	100	300	P	H	
	*	2440	98.64	-	-	85.4	27.5	16.64	30.9	100	300	A	H	
			2496.22	54.61	-19.39	74	41.34	27.41	16.73	30.87	100	300	P	H
			2489.65	45.6	-8.4	54	32.33	27.42	16.72	30.87	100	300	A	H
			2332.88	54.96	-19.04	74	41.7	27.73	16.47	30.94	367	353	P	V
			2318.16	45.74	-8.26	54	32.49	27.76	16.44	30.95	367	353	A	V
	*		2440	95.18	-	-	81.94	27.5	16.64	30.9	367	353	P	V
	*		2440	94.61	-	-	81.37	27.5	16.64	30.9	367	353	A	V
			2492.62	55.09	-18.91	74	41.83	27.41	16.72	30.87	367	353	P	V
			2494.15	45.61	-8.39	54	32.34	27.41	16.73	30.87	367	353	A	V



BLE CH 39 2480MHz	*	2480	98.58	-	-	85.32	27.44	16.7	30.88	105	309	P	H
	*	2480	98.1	-	-	84.84	27.44	16.7	30.88	105	309	A	H
		2496.88	55.31	-18.69	74	42.04	27.41	16.73	30.87	105	309	P	H
		2498.52	45.81	-8.19	54	32.55	27.4	16.73	30.87	105	309	A	H
													H
													H
	*	2480	95.48	-	-	82.22	27.44	16.7	30.88	400	49	P	V
	*	2480	95.03	-	-	81.77	27.44	16.7	30.88	400	49	A	V
		2485.64	55.9	-18.1	74	42.64	27.43	16.71	30.88	400	49	P	V
		2497.48	45.66	-8.34	54	32.39	27.41	16.73	30.87	400	49	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

BLE	Note	Frequency (MHz)	Level (dBμV/m)	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	39.76	-34.24	74	57.69	31.1	10.05	59.08	100	0	P	H
													H
													H
													H
		4804	39.89	-34.11	74	57.82	31.1	10.05	59.08	100	0	P	V
													V
													V
BLE CH 19 2440MHz		4880	39.88	-34.12	74	57.86	31.04	10.11	59.13	100	0	P	H
		7320	45.6	-28.4	74	55.53	36.3	12.32	58.55	100	0	P	H
													H
													H
		4880	39.83	-34.17	74	57.81	31.04	10.11	59.13	100	0	P	V
		7320	45.22	-28.78	74	55.15	36.3	12.32	58.55	100	0	P	V
													V
BLE CH 39 2480MHz		4960	39.48	-34.52	74	57.27	31.22	10.17	59.18	100	0	P	H
		7440	46.07	-27.93	74	55.76	36.3	12.39	58.38	100	0	P	H
													H
													H
		4960	39.55	-34.45	74	57.34	31.22	10.17	59.18	100	0	P	V
		7440	45.3	-28.7	74	54.99	36.3	12.39	58.38	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		2319.555	55.5	-18.5	74	42.24	27.76	16.45	30.95	100	311	P	H	
		2349.48	48.09	-5.91	54	34.82	27.7	16.5	30.93	100	311	A	H	
	*	2402	95.69	-	-	82.52	27.5	16.58	30.91	100	311	P	H	
	*	2402	94.37	-	-	81.2	27.5	16.58	30.91	100	311	A	H	
													H	
													H	
			2311.05	55.78	-18.22	74	42.52	27.78	16.43	30.95	376	63	P	V
			2381.19	47.53	-6.47	54	34.32	27.58	16.55	30.92	376	63	A	V
	*		2402	92.84	-	-	79.67	27.5	16.58	30.91	376	63	P	V
	*		2402	91.55	-	-	78.38	27.5	16.58	30.91	376	63	A	V
													V	
												V		
BLE CH 39 2480MHz	*	2480	97.87	-	-	84.61	27.44	16.7	30.88	128	314	P	H	
	*	2480	96.56	-	-	83.3	27.44	16.7	30.88	128	314	A	H	
			2499.84	55.39	-18.61	74	42.13	27.4	16.73	30.87	128	314	P	H
			2483.64	47.89	-6.11	54	34.63	27.43	16.71	30.88	128	314	A	H
													H	
													H	
	*		2480	94.16	-	-	80.9	27.44	16.7	30.88	400	20	P	V
	*		2480	92.88	-	-	79.62	27.44	16.7	30.88	400	20	A	V
			2495.04	55.42	-18.58	74	42.15	27.41	16.73	30.87	400	20	P	V
			2496.16	47.31	-6.69	54	34.04	27.41	16.73	30.87	400	20	A	V
													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		49.4	25.25	-14.75	40	41.72	15	0.91	32.38	-	-	P	H	
		94.02	28.13	-15.37	43.5	43.62	15.44	1.37	32.3	-	-	P	H	
		163.86	28.23	-15.27	43.5	42.48	16.32	1.84	32.41	-	-	P	H	
		713.85	36.07	-9.93	46	38.29	26.57	3.62	32.41	-	-	P	H	
		788.54	37.58	-8.42	46	38.11	27.7	3.86	32.09	-	-	P	H	
		896.21	38.72	-7.28	46	37.94	28.58	4.15	31.95	100	0	P	H	
														H
														H
														H
														H
														H
														H
			49.4	31.58	-8.42	40	48.05	15	0.91	32.38	-	-	P	V
			94.02	27.27	-16.23	43.5	42.76	15.44	1.37	32.3	-	-	P	V
			161.92	24.17	-19.33	43.5	38.16	16.61	1.82	32.42	-	-	P	V
			720.64	37.85	-8.15	46	39.71	26.92	3.64	32.42	-	-	P	V
			824.43	37.66	-8.34	46	37.75	27.83	3.97	31.89	-	-	P	V
			885.54	38.8	-7.2	46	38.03	28.55	4.13	31.91	100	0	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



<Camera Mode with Ant. 6>

<1Mbps>

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		(MHz)	(dBµV/m)	(dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)	
BLE CH 00 2402MHz		2314.515	54.97	-19.03	74	41.71	27.77	16.44	30.95	314	56	P	H	
		2326.275	45.69	-8.31	54	32.42	27.75	16.46	30.94	314	56	A	H	
	*	2402	101.61	-	-	88.44	27.5	16.58	30.91	314	56	P	H	
	*	2402	101.04	-	-	87.87	27.5	16.58	30.91	314	56	A	H	
													H	
														H
			2329.74	54.82	-19.18	74	41.56	27.74	16.46	30.94	285	88	P	V
			2363.13	45.61	-8.39	54	32.37	27.65	16.52	30.93	285	88	A	V
	*		2402	101.26	-	-	88.09	27.5	16.58	30.91	285	88	P	V
	*		2402	100.69	-	-	87.52	27.5	16.58	30.91	285	88	A	V
														V
														V
BLE CH 19 2440MHz		2376.24	55.85	-18.15	74	42.63	27.6	16.54	30.92	300	62	P	H	
		2358.32	45.79	-8.21	54	32.54	27.67	16.51	30.93	300	62	A	H	
	*	2440	99.55	-	-	86.31	27.5	16.64	30.9	300	62	P	H	
	*	2440	99.13	-	-	85.89	27.5	16.64	30.9	300	62	A	H	
			2489.65	54.94	-19.06	74	41.67	27.42	16.72	30.87	300	62	P	H
			2492.44	45.7	-8.3	54	32.43	27.42	16.72	30.87	300	62	A	H
			2355.6	55.47	-18.53	74	42.21	27.68	16.51	30.93	283	86	P	V
			2363.92	45.65	-8.35	54	32.42	27.64	16.52	30.93	283	86	A	V
	*		2440	100.1	-	-	86.86	27.5	16.64	30.9	283	86	P	V
	*		2440	99.65	-	-	86.41	27.5	16.64	30.9	283	86	A	V
			2486.95	56.15	-17.85	74	42.89	27.43	16.71	30.88	283	86	P	V
			2489.38	45.77	-8.23	54	32.5	27.42	16.72	30.87	283	86	A	V



BLE CH 39 2480MHz	*	2480	100.01	-	-	86.75	27.44	16.7	30.88	296	52	P	H
	*	2480	99.5	-	-	86.24	27.44	16.7	30.88	296	52	A	H
		2484.12	55.64	-18.36	74	42.38	27.43	16.71	30.88	296	52	P	H
		2497.28	45.8	-8.2	54	32.53	27.41	16.73	30.87	296	52	A	H
													H
													H
	*	2480	100.4	-	-	87.14	27.44	16.7	30.88	291	88	P	V
	*	2480	99.93	-	-	86.67	27.44	16.7	30.88	291	88	A	V
		2483.72	55.8	-18.2	74	42.54	27.43	16.71	30.88	291	88	P	V
		2488.76	45.86	-8.14	54	32.59	27.42	16.72	30.87	291	88	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

BLE	Note	Frequency (MHz)	Level (dBμV/m)	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	38.61	-35.39	74	56.54	31.1	10.05	59.08	100	0	P	H
													H
													H
													H
		4804	38.44	-35.56	74	56.37	31.1	10.05	59.08	100	0	P	V
													V
													V
BLE CH 19 2440MHz		4880	40.1	-33.9	74	58.08	31.04	10.11	59.13	100	0	P	H
		7320	46.15	-27.85	74	56.08	36.3	12.32	58.55	100	0	P	H
													H
													H
		4880	39.1	-34.9	74	57.08	31.04	10.11	59.13	100	0	P	V
		7320	44.55	-29.45	74	54.48	36.3	12.32	58.55	100	0	P	V
													V
BLE CH 39 2480MHz		4960	39.83	-34.17	74	57.62	31.22	10.17	59.18	100	0	P	H
		7440	45.13	-28.87	74	54.82	36.3	12.39	58.38	100	0	P	H
													H
													H
		4960	39.92	-34.08	74	57.71	31.22	10.17	59.18	100	0	P	V
		7440	45.52	-28.48	74	55.21	36.3	12.39	58.38	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		2321.34	54.42	-19.58	74	41.16	27.76	16.45	30.95	312	59	P	H	
		2330.055	47.32	-6.68	54	34.06	27.74	16.46	30.94	312	59	A	H	
	*	2402	100.6	-	-	87.43	27.5	16.58	30.91	312	59	P	H	
	*	2402	99.24	-	-	86.07	27.5	16.58	30.91	312	59	A	H	
													H	
													H	
			2367.015	54.57	-19.43	74	41.34	27.63	16.53	30.93	286	87	P	V
			2348.01	47.59	-6.41	54	34.33	27.7	16.49	30.93	286	87	A	V
	*		2402	101.98	-	-	88.81	27.5	16.58	30.91	286	87	P	V
	*		2402	100.75	-	-	87.58	27.5	16.58	30.91	286	87	A	V
													V	
												V		
BLE CH 39 2480MHz	*	2480	99.17	-	-	85.91	27.44	16.7	30.88	297	59	P	H	
	*	2480	98.03	-	-	84.77	27.44	16.7	30.88	297	59	A	H	
			2483.6	55.13	-18.87	74	41.87	27.43	16.71	30.88	297	59	P	H
			2498.96	47.14	-6.86	54	33.88	27.4	16.73	30.87	297	59	A	H
													H	
													H	
	*		2480	100.3	-	-	87.04	27.44	16.7	30.88	289	82	P	V
	*		2480	99.03	-	-	85.77	27.44	16.7	30.88	289	82	A	V
			2484	56.23	-17.77	74	42.97	27.43	16.71	30.88	289	82	P	V
			2491.32	47.83	-6.17	54	34.56	27.42	16.72	30.87	289	82	A	V
													V	
												V		
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is 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	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)
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. 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 :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.5~24.2°C
		Relative Humidity :	44~57%

Note symbol

-L	Low channel location
-R	High channel location



<Normal Mode with Ant. 4>

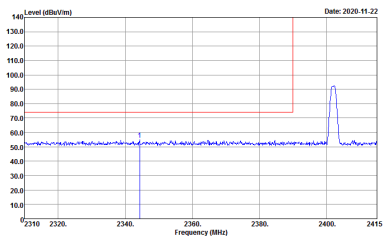
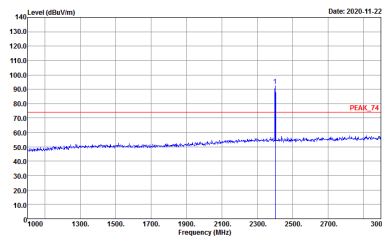
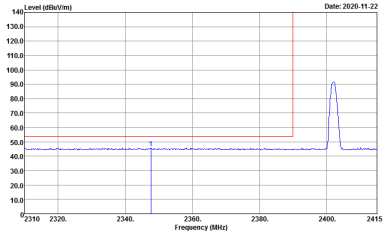
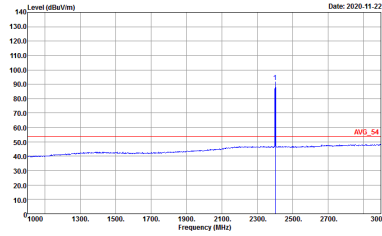
<1Mbps>

2.4GHz 2400~2483.5MHz

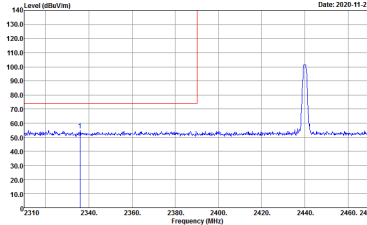
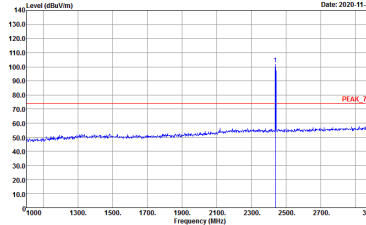
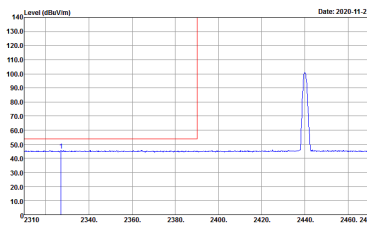
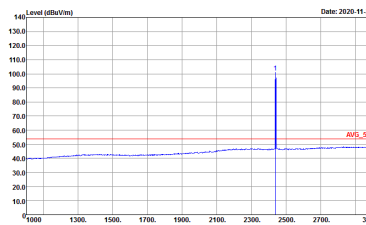
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Horizontal		Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_9C_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Vertical		Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>
Avg	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>

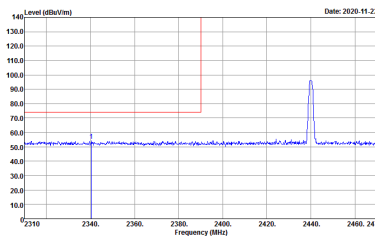
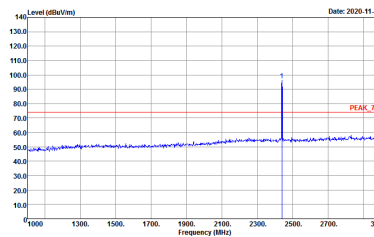
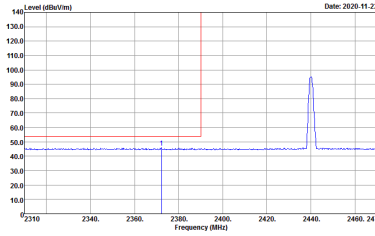
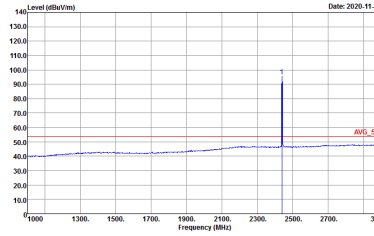


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
Horizontal		Fundamental
Peak	 <p>Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_I5_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HV Condition : PEAK_74 3m 91200_I5_1620 HORIZONTAL Detector : Peak Project : 082114</p>
Avg.	 <p>Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_I5_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HV Condition : AVG_54 3m 91200_I5_1620 HORIZONTAL Detector : Peak Project : 082114</p>

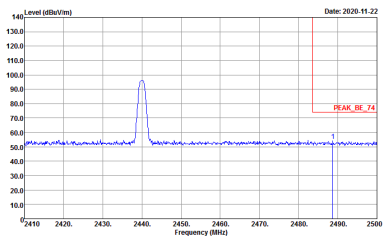
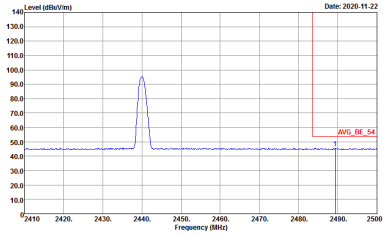


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - R		
Horizontal		Fundamental
<p>Peak</p>	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 082114</p>	<p>Left blank</p>
<p>Avg.</p>	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWF:Auto Detector : Peak Project : 082114</p>	<p>Left blank</p>

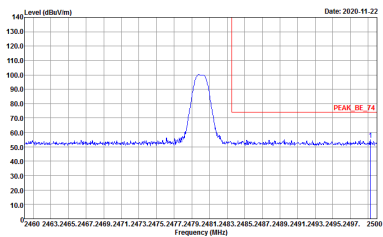
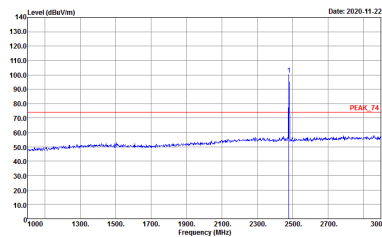
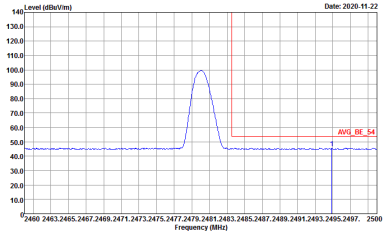
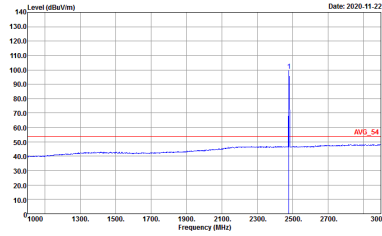


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
Vertical		Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>

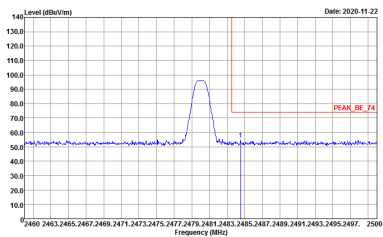
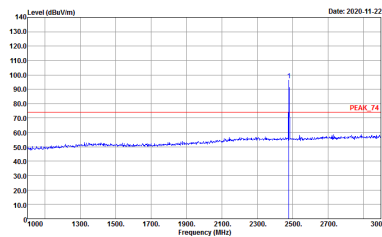
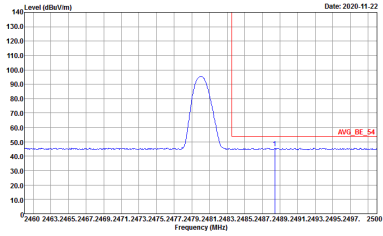
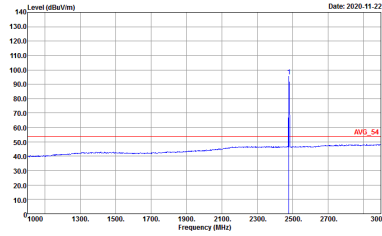


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - R	
	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	<p>Left blank</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Fundamental
<p>Peak</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
<p>Avg.</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 082114</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Vertical		Fundamental
Peak	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. A red horizontal line indicates the peak level at 100.0 dBm/100kHz, labeled 'PEAK_BE_74'.</p> <p>Site : 03CH15-1HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a sharp peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. A red horizontal line indicates the peak level at 100.0 dBm/100kHz, labeled 'PEAK_74'.</p> <p>Site : 03CH15-1HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing an average level of approximately 55 dBm/100kHz. A red horizontal line indicates the average level at 55.0 dBm/100kHz, labeled 'AVG_BE_54'.</p> <p>Site : 03CH15-1HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a sharp peak at 2480 MHz. The average level is approximately 55 dBm/100kHz. A red horizontal line indicates the average level at 55.0 dBm/100kHz, labeled 'AVG_54'.</p> <p>Site : 03CH15-1HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>

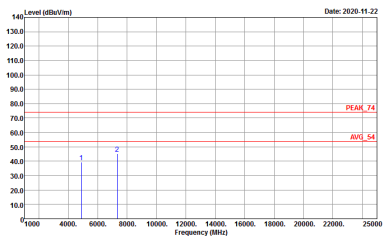
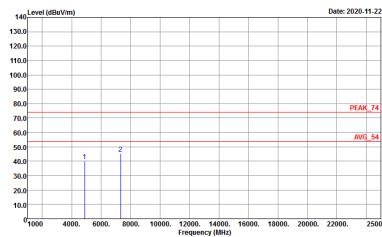


2.4GHz 2400~2483.5MHz

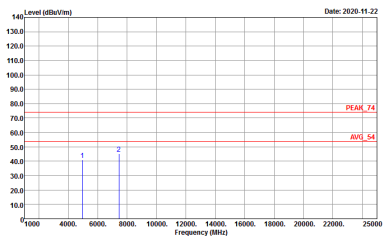
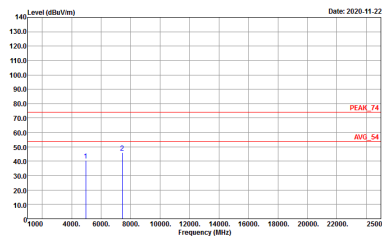
BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH19 2440MHz	
	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>



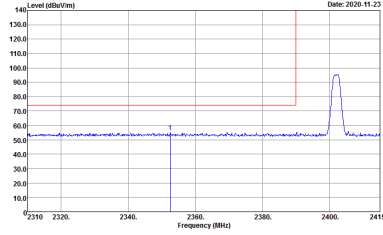
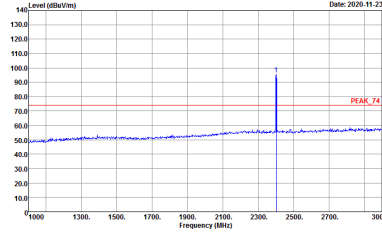
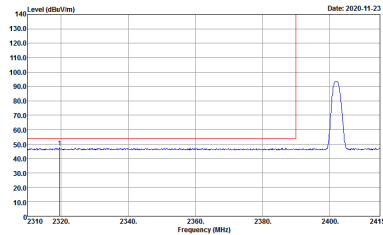
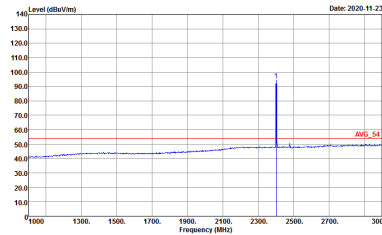
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Vertical
Peak	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>



<2Mbps>

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 : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 082114</p>

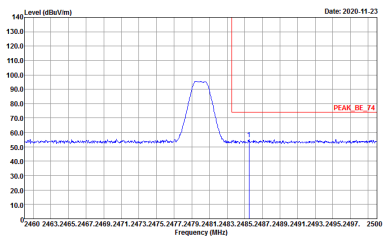
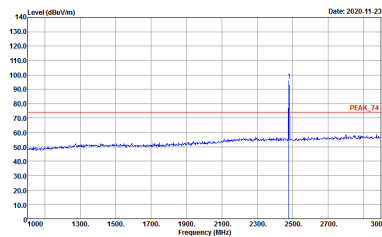
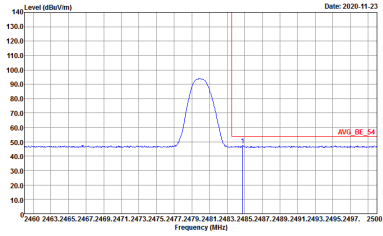


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Vertical		Fundamental
<p>Peak</p>	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>
<p>Avg</p>	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
<p>Avg.</p>	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 082114</p>

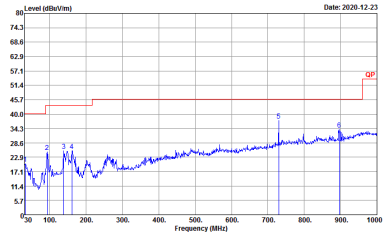
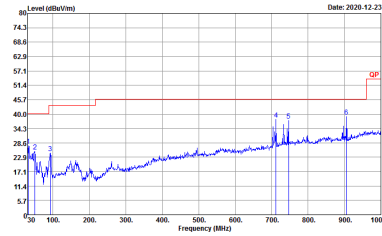


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Vertical		Fundamental
Peak	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. A red line indicates the peak level at 100.0 dBm/100kHz, labeled 'PEAK_BE_74'.</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a sharp peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. A red line indicates the peak level at 100.0 dBm/100kHz, labeled 'PEAK_74'.</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing an average level at 2480 MHz. The average level is approximately 60 dBm/100kHz. A red line indicates the average level at 60.0 dBm/100kHz, labeled 'AVG_BE_54'.</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a sharp peak at 2480 MHz. The average level is approximately 60 dBm/100kHz. A red line indicates the average level at 60.0 dBm/100kHz, labeled 'AVG_54'.</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>



Emission below 1GHz

2.4GHz BLE (LF)

BLE	2.4GHz 2400~2483.5MHz	
	BLE LF	
	Horizontal	Vertical
QP / Peak	 <p>Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 VERTICAL Detector : Peak Project : 082114</p>

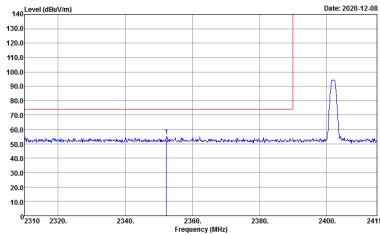
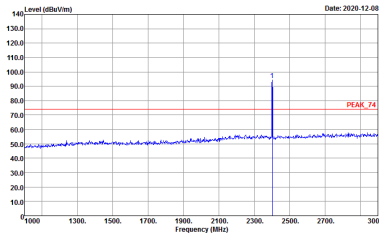
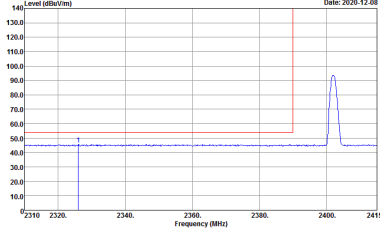
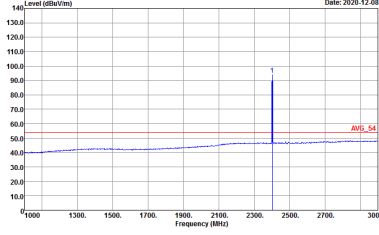


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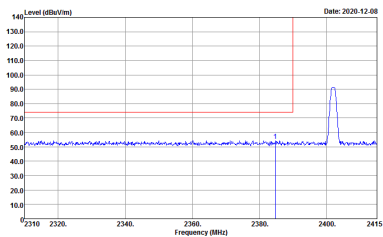
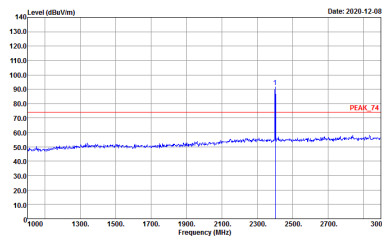
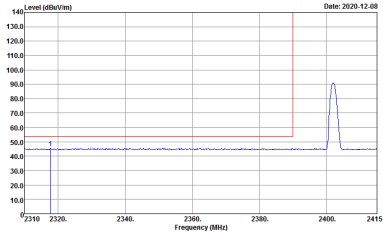
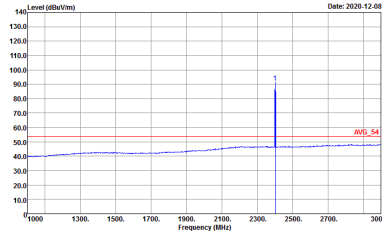
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2.4GHz 2400~2483.5MHz

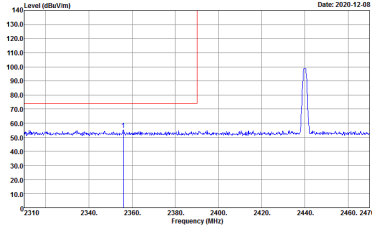
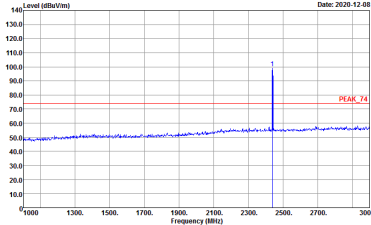
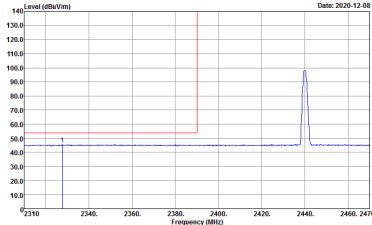
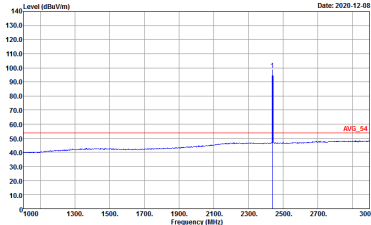
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Horizontal		Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 082114</p>

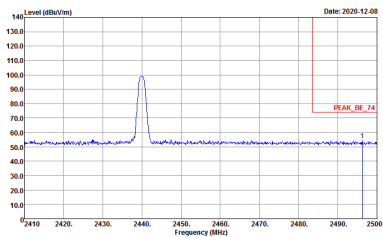
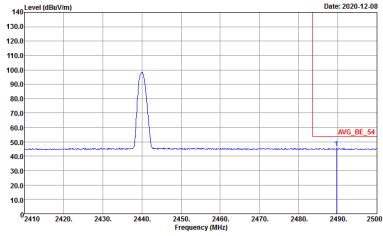


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Vertical		Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>
Avg	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>

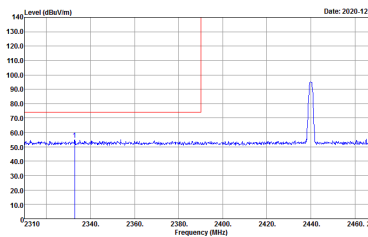
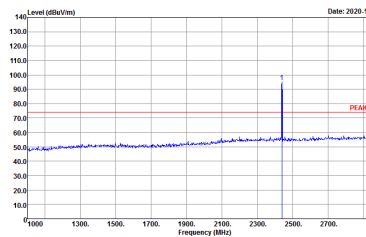
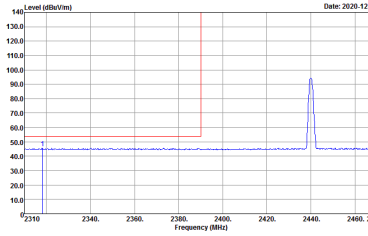
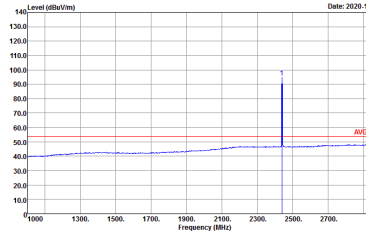


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
Horizontal		Fundamental
Peak	 <p>Date: 2020-12-08</p> <p>Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-08</p> <p>Site : 03CH15-HV Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Date: 2020-12-08</p> <p>Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-08</p> <p>Site : 03CH15-HV Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 082114</p>

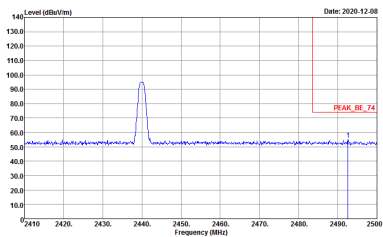
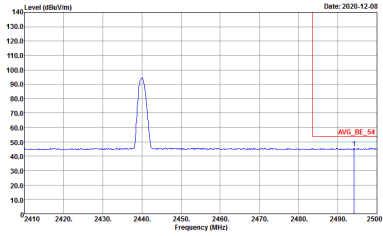


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - R		
Horizontal		Fundamental
<p>Peak</p>	 <p> Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114 </p>	<p>Left blank</p>
<p>Avg.</p>	 <p> Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114 </p>	<p>Left blank</p>

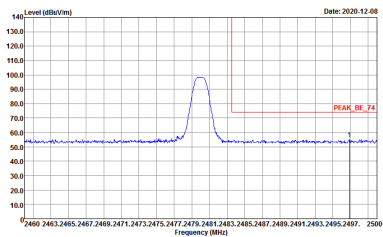
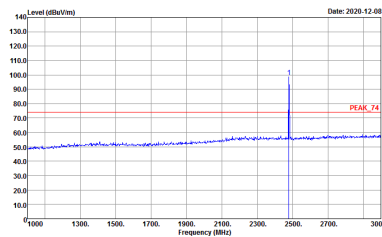
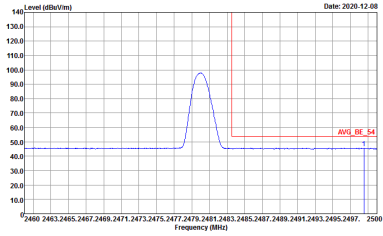
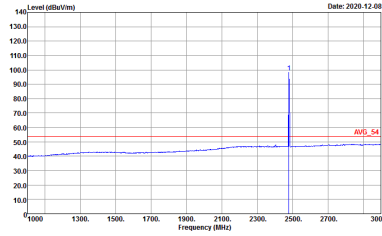


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
Vertical		Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>

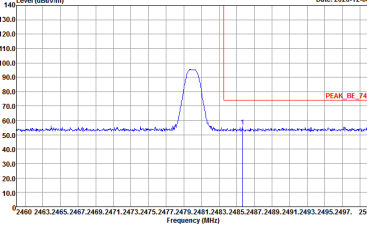
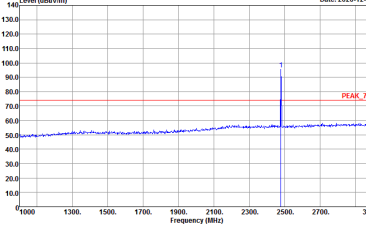
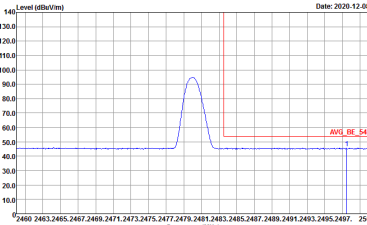
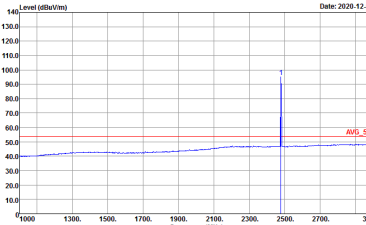


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - R		
Vertical		Fundamental
<p>Peak</p>	 <p> Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114 </p>	<p>Left blank</p>
<p>Avg.</p>	 <p> Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114 </p>	<p>Left blank</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Horizontal		Fundamental
Peak	 <p>Date: 2020-12-08</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-08</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Date: 2020-12-08</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020-12-08</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 082114</p>

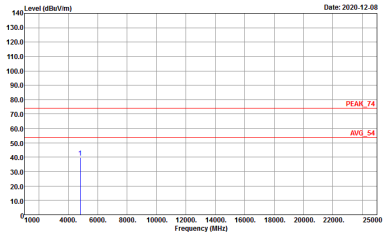
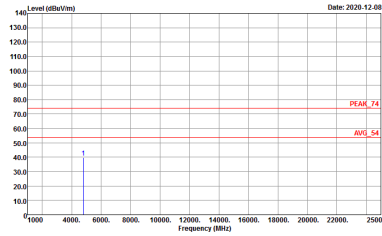


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Vertical		Fundamental
Peak	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. The plot is dated 2020-12-08.</p> <p>Site : 03CH15-1HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. The plot is dated 2020-12-08.</p> <p>Site : 03CH15-1HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing an average level at 2480 MHz. The average level is approximately 55 dBm/100kHz. The plot is dated 2020-12-08.</p> <p>Site : 03CH15-1HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing an average level at 2480 MHz. The average level is approximately 55 dBm/100kHz. The plot is dated 2020-12-08.</p> <p>Site : 03CH15-1HY Condition : AVG_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>

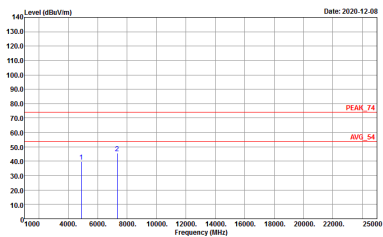
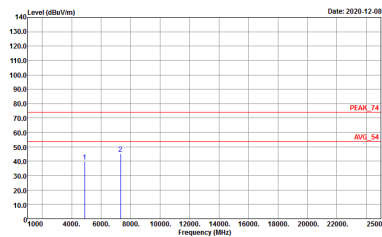


2.4GHz 2400~2483.5MHz

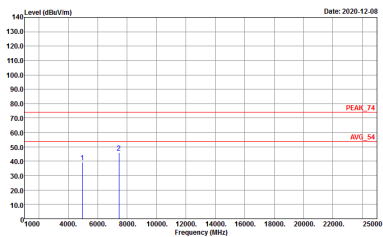
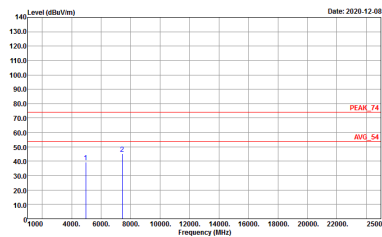
BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
BLE CH19 2440MHz		
	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>



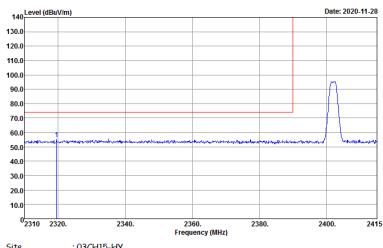
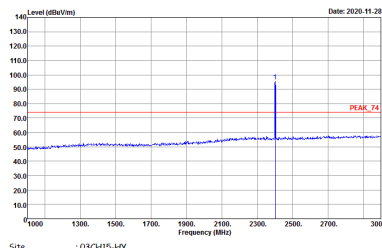
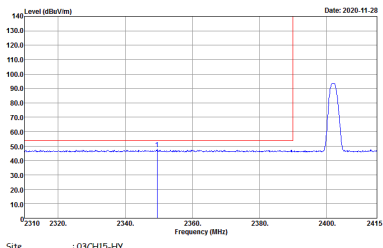
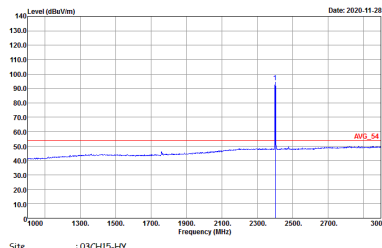
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Vertical
Peak	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>



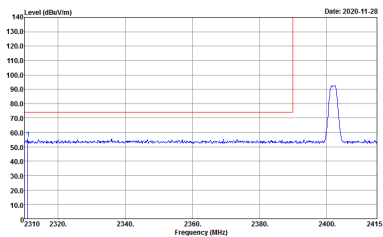
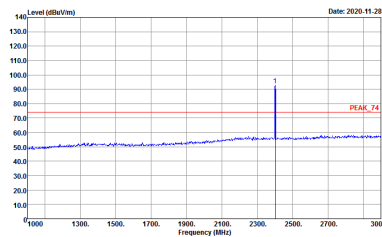
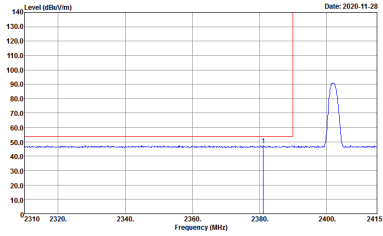
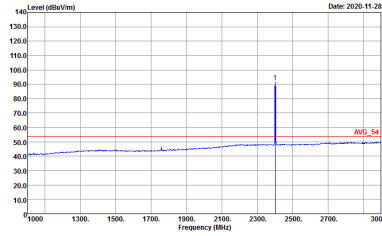
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2.4GHz 2400~2483.5MHz

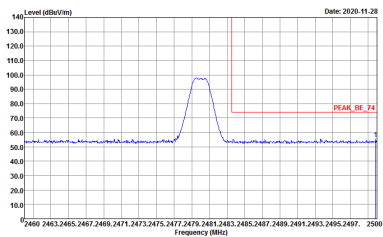
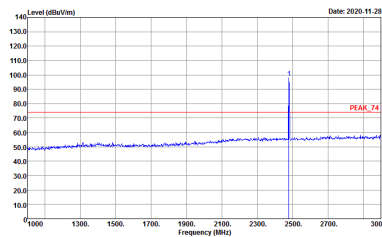
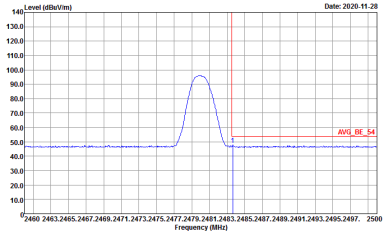
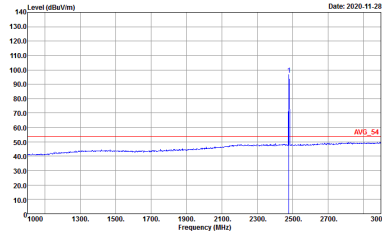
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>

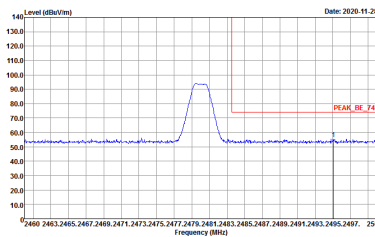
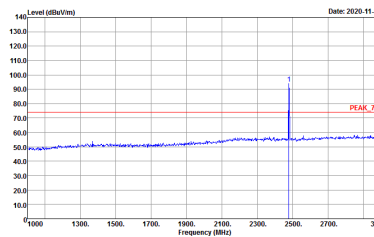
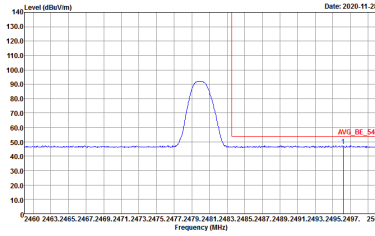
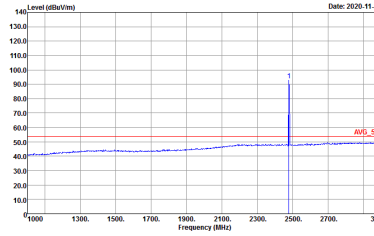


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Vertical		Fundamental
Peak	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/100kHz, and the x-axis ranges from 2310 to 2415 MHz. A red horizontal line is at approximately 75 dBm/100kHz. The peak is labeled '1'.</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/100kHz, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is at approximately 75 dBm/100kHz. The peak is labeled '1' and 'PEAK_74'.</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 082114</p>
Avg	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/100kHz, and the x-axis ranges from 2310 to 2415 MHz. A red horizontal line is at approximately 54 dBm/100kHz. The peak is labeled '1'.</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:30.000kHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBm/100kHz, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is at approximately 54 dBm/100kHz. The peak is labeled '1' and 'AVG_54'.</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:30.000kHz SWT:Auto Detector : Peak Project : 082114</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Horizontal		Fundamental
Peak	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. The plot includes a red horizontal line labeled 'PEAK_BE_74' at the peak level.</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a sharp peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. The plot includes a red horizontal line labeled 'PEAK_74' at the peak level.</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing an averaged peak at 2480 MHz. The peak level is approximately 90 dBm/100kHz. The plot includes a red horizontal line labeled 'AVG_BE_54' at the peak level.</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing an averaged sharp peak at 2480 MHz. The peak level is approximately 90 dBm/100kHz. The plot includes a red horizontal line labeled 'AVG_54' at the peak level.</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 082114</p>

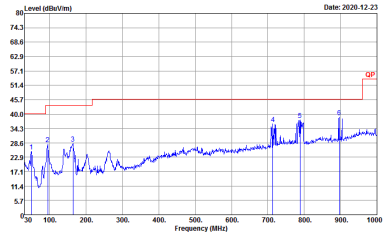
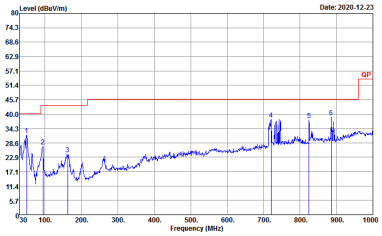


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Vertical		Fundamental
Peak	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. The plot includes a red horizontal line labeled 'PEAK_BE_74' at the peak level.</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a sharp peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. The plot includes a red horizontal line labeled 'PEAK_74' at the peak level.</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing an average signal at 2480 MHz. The average level is approximately 60 dBm/100kHz. The plot includes a red horizontal line labeled 'AVG_BE_54' at the average level.</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot showing a sharp peak at 2480 MHz. The average level is approximately 60 dBm/100kHz. The plot includes a red horizontal line labeled 'AVG_54' at the average level.</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 082114</p>



Emission below 1GHz

2.4GHz BLE (LF)

BLE	2.4GHz 2400~2483.5MHz	
BLE LF		
Horizontal		Vertical
<p>QP / Peak</p>	 <p>Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 VERTICAL Detector : Peak Project : 082114</p>



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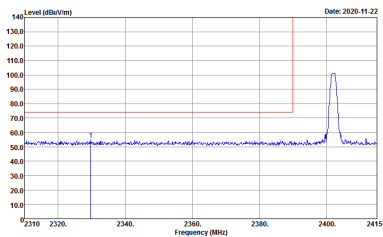
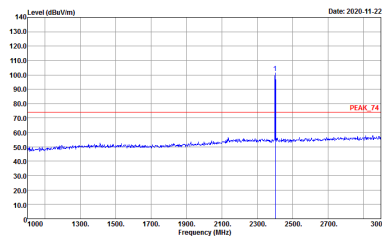
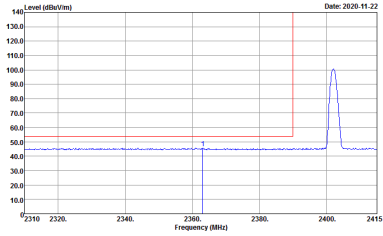
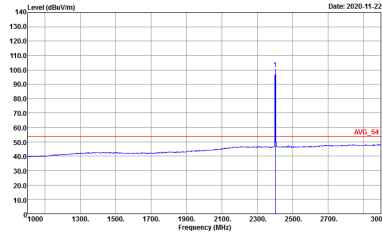
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2.4GHz 2400~2483.5MHz

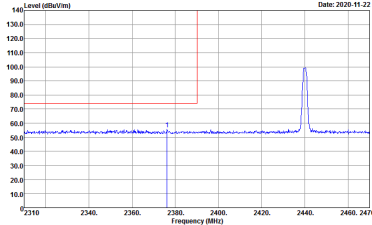
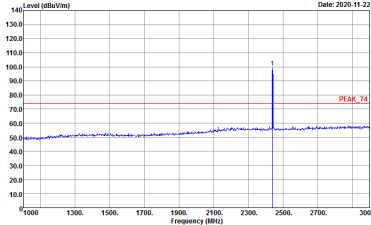
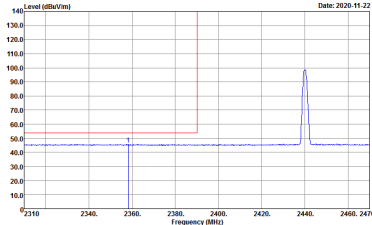
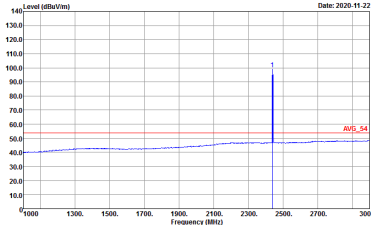
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	<p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>

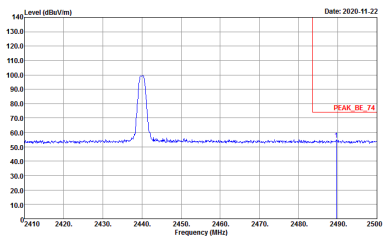
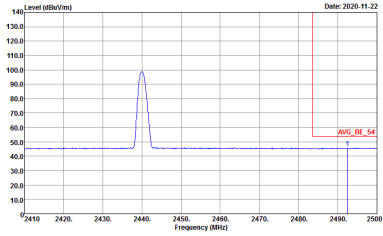


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Vertical		Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>
Avg	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>

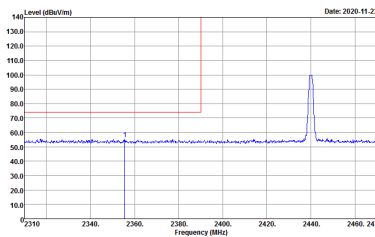
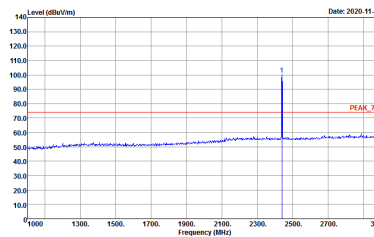
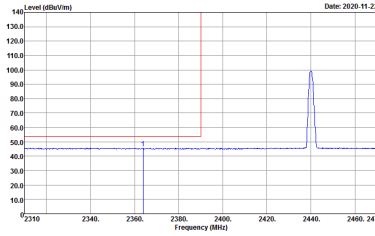
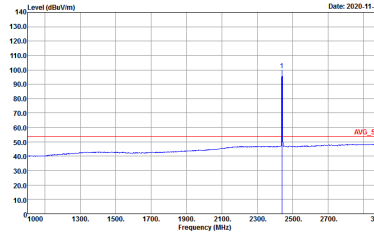


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
Horizontal		Fundamental
Peak	 <p>Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HV Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>
Avg.	 <p>Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HV Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>

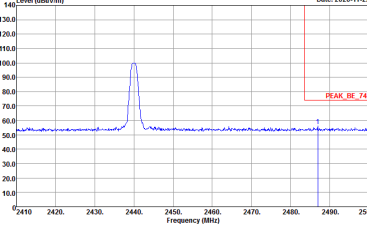
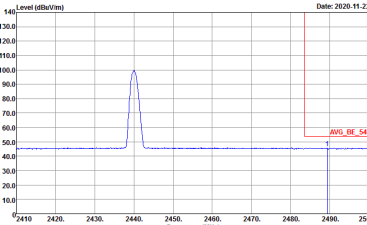


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - R		
Horizontal		Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Left blank</p>

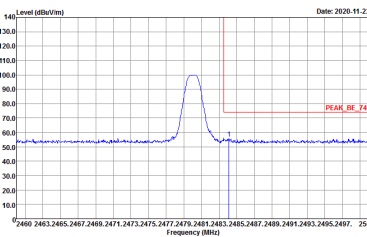
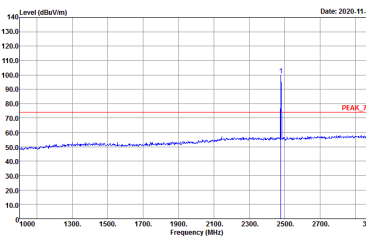
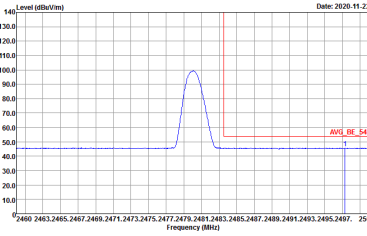
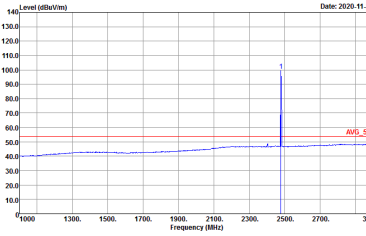


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - L		
Vertical		Fundamental
Peak	 <p>Level (dBm/Vm) vs Frequency (MHz) plot showing a peak at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBm/Vm, and the x-axis ranges from 2310 to 2470 MHz. A red line indicates the peak level at approximately 135 dBm/Vm.</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/Vm) vs Frequency (MHz) plot showing a peak at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBm/Vm, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the peak level at approximately 75 dBm/Vm, labeled 'PEAK_74'.</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Level (dBm/Vm) vs Frequency (MHz) plot showing an average level at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBm/Vm, and the x-axis ranges from 2310 to 2470 MHz. A red line indicates the average level at approximately 55 dBm/Vm.</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/Vm) vs Frequency (MHz) plot showing an average level at 2440 MHz. The y-axis ranges from 10.0 to 140.0 dBm/Vm, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the average level at approximately 55 dBm/Vm, labeled 'AVG_54'.</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>

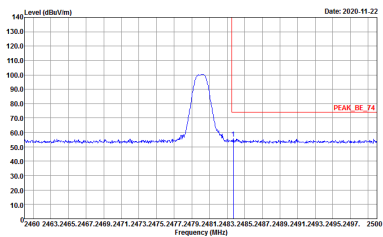
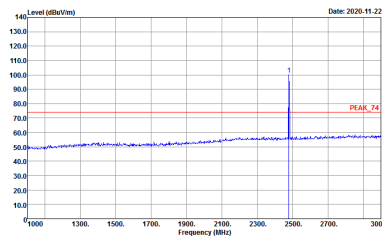
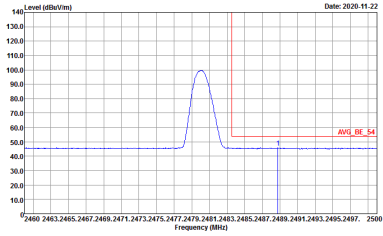
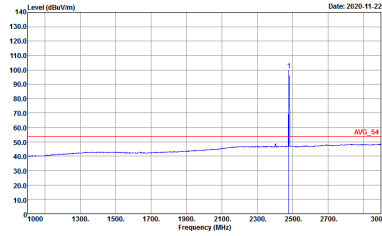


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH19 2440MHz - R		
Vertical		Fundamental
Peak	 <p> Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114 </p>	Left blank
Avg.	 <p> Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114 </p>	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Horizontal		Fundamental
Peak	 <p>Level (dBm/100kHz) vs Frequency (MHz) showing a peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. A red line indicates the peak level at 100.0 dBm/100kHz.</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) showing a sharp peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. A red line indicates the peak level at 100.0 dBm/100kHz.</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Level (dBm/100kHz) vs Frequency (MHz) showing an average spectrum with a peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. A red line indicates the average level at 100.0 dBm/100kHz.</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) showing an average spectrum with a sharp peak at 2480 MHz. The peak level is approximately 100 dBm/100kHz. A red line indicates the average level at 100.0 dBm/100kHz.</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>

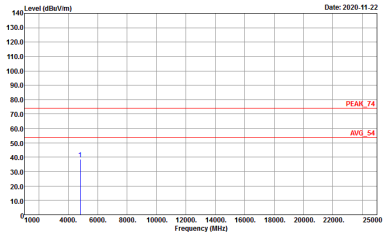
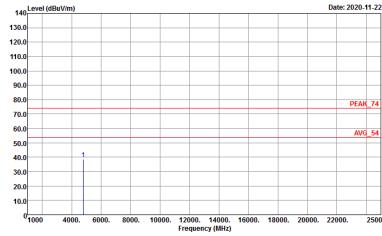


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Vertical		Fundamental
Peak	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 082114</p>



2.4GHz 2400~2483.5MHz

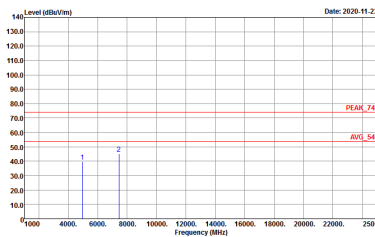
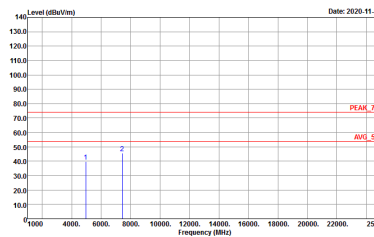
BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
BLE CH19 2440MHz		
	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	<p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>



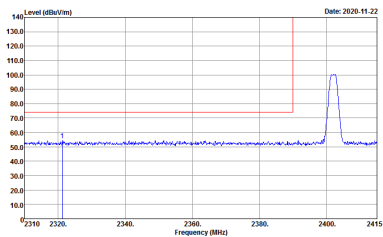
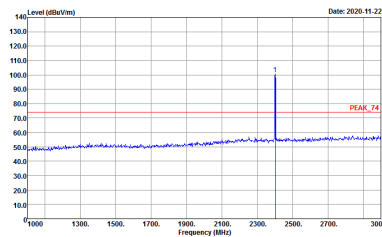
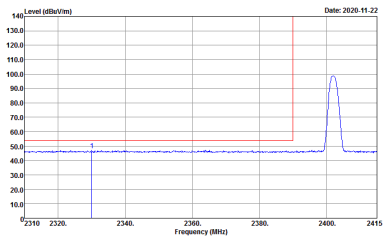
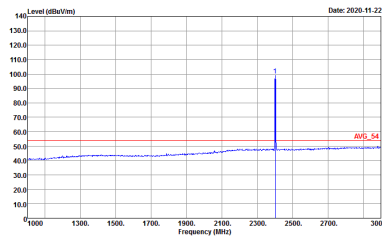
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Vertical
Peak	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>



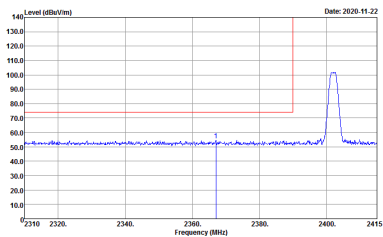
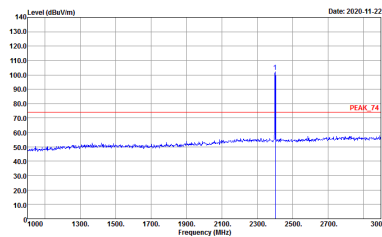
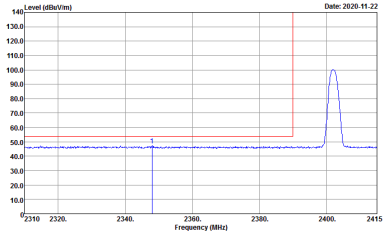
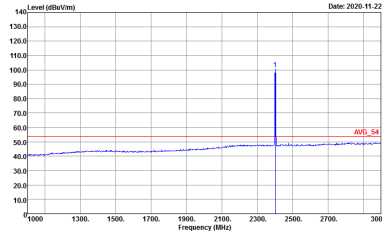
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2.4GHz 2400~2483.5MHz

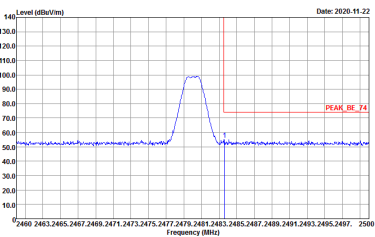
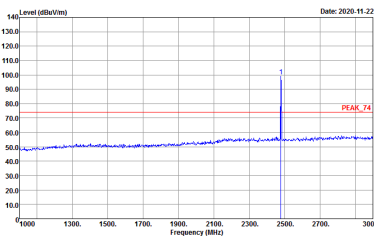
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Horizontal		Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 082114</p>

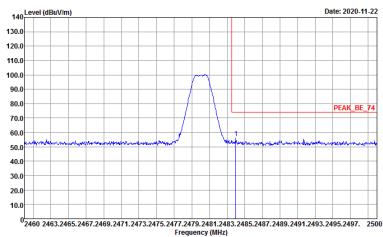
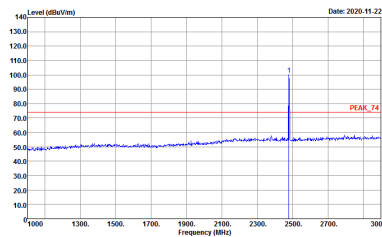
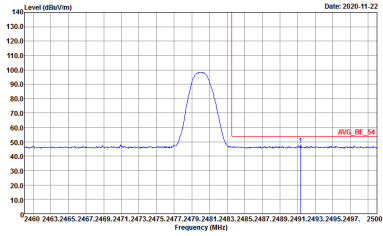
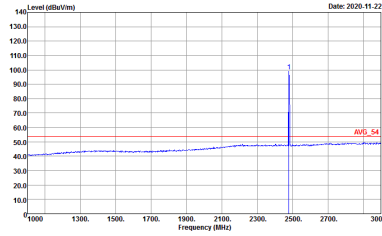


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH00 2402MHz		
Vertical		Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>
Avg	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 082114</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Fundamental
<p>Peak</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
<p>Avg.</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 082114</p>

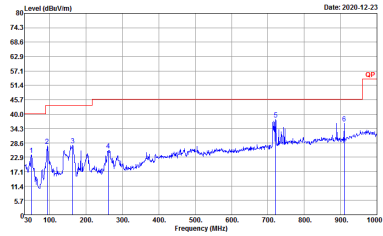
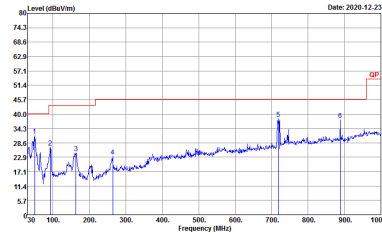


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BLE CH39 2480MHz		
Vertical		Fundamental
Peak	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 082114</p>
Avg.	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 082114</p>	 <p>Date: 2020.11.22</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 082114</p>



Emission below 1GHz

2.4GHz BLE (LF)

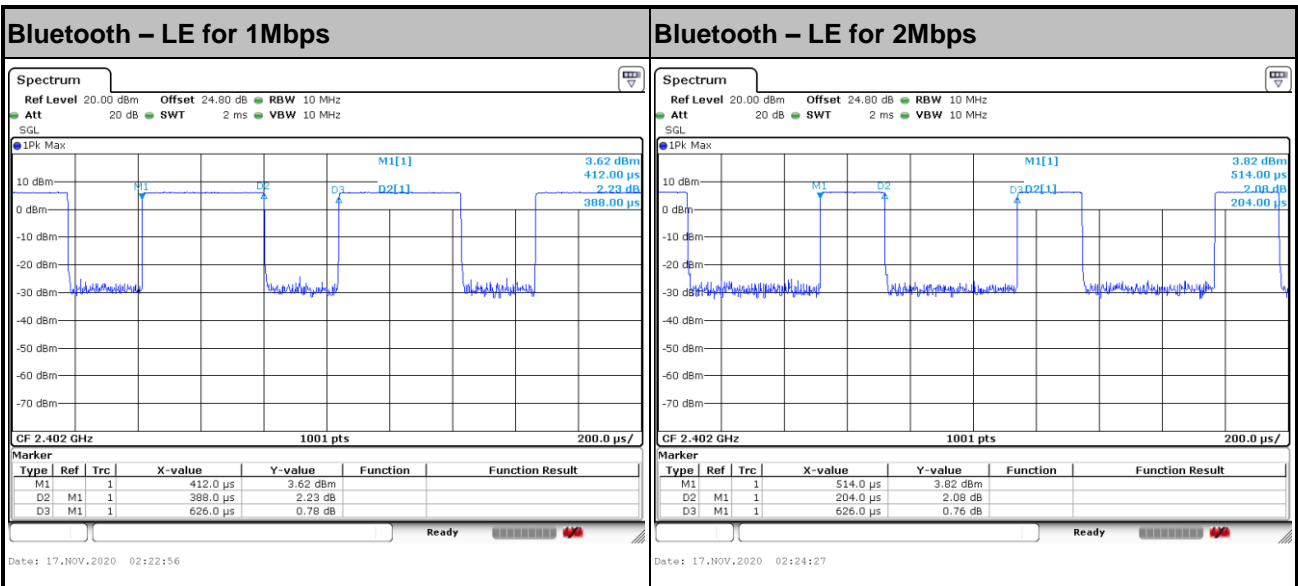
BLE	2.4GHz 2400~2483.5MHz	
BLE LF		
Horizontal		Vertical
<p>QP / Peak</p>	 <p>Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 HORIZONTAL Detector : Peak Project : 082114</p>	 <p>Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 VERTICAL Detector : Peak Project : 082114</p>



Appendix E. Duty Cycle Plots

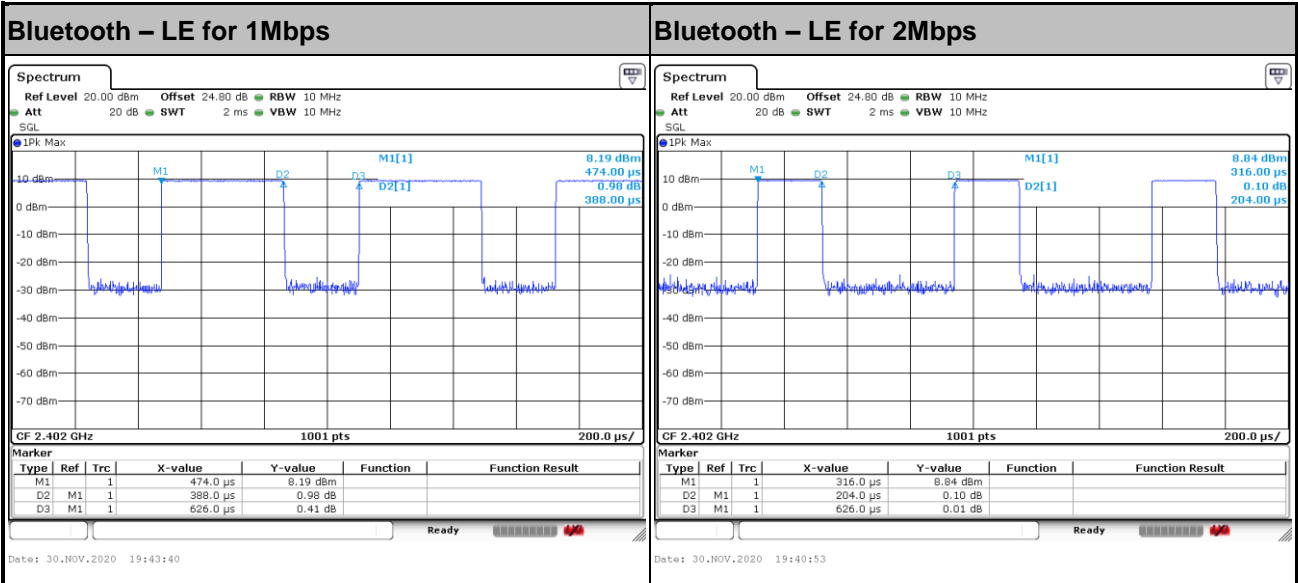
Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
4	Bluetooth –LE for 1Mbps	61.98	388	2.58	3kHz	2.08
4	Bluetooth –LE for 2Mbps	32.59	204	4.90	10kHz	4.87
5	Bluetooth –LE for 1Mbps	61.98	388	2.58	3kHz	2.08
5	Bluetooth –LE for 2Mbps	32.59	204	4.90	10kHz	4.87
6	Bluetooth –LE for 1Mbps	61.98	388	2.58	3kHz	2.08
6	Bluetooth –LE for 2Mbps	32.59	204	4.90	10kHz	4.87

<Normal Mode with Ant. 4>





<Normal Mode with Ant. 5>



<Camera Mode with Ant. 6>

