



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
Ant.	BLE CH19 2440MHz	
4	Horizontal	Vertical
Peak Avg.	Level (dBu/V/m) Date: 2021-07-12 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBu/V/m) Date: 2021-07-12 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
Ant.	BLE CH39 2480MHz	
4	Horizontal	Vertical
Peak Avg.	Level (dBu/Vrms) Date: 2021-07-12 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBu/Vrms) Date: 2021-07-12 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL

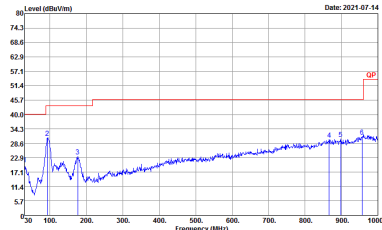
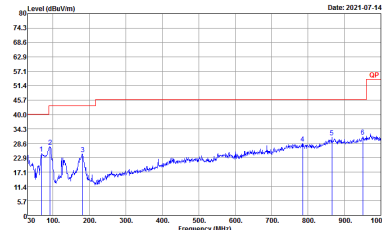


Emission above 18GHz

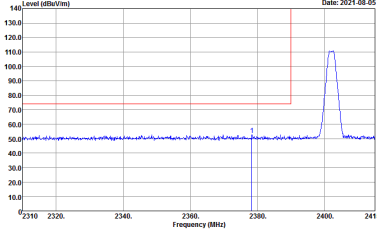
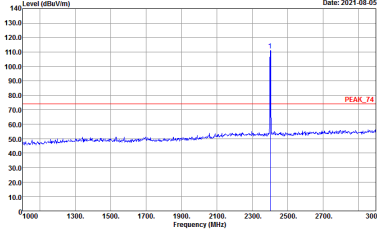
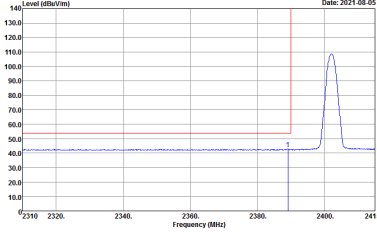
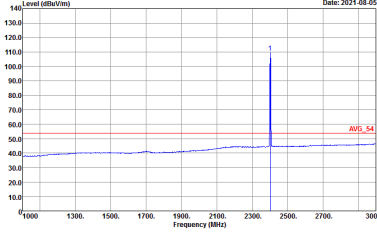
2.4GHz BLE (SHF)

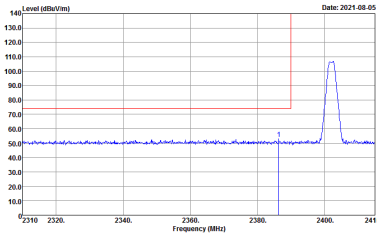
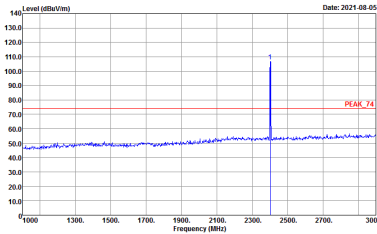
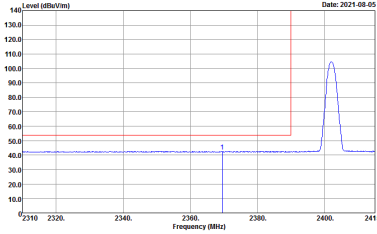
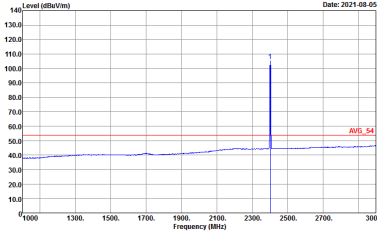
BLE	2.4GHz 2400~2483.5MHz	
Ant.	BLE SHF	
4	Horizontal	Vertical
Peak Avg.	Level (dBu/1m) Date: 2021.07.14 Site : 03CHI1-HY Condition : PEAK(UNIT)_1M 1m SHF_00991_210512 HORIZONTAL	Level (dBu/1m) Date: 2021.07.14 Site : 03CHI1-HY Condition : PEAK(UNIT)_1M 1m SHF_00991_210512 VERTICAL

Emission below 1GHz
2.4GHz BLE (LF)

BLE	2.4GHz 2400~2483.5MHz	
Ant.	BLE LF	
4	Horizontal	Vertical
QP / Peak	 Site : 03CHI1-HY Condition : QP 3m BL-LO6 6111D-LF_ETC HORIZONTAL	 Site : 03CHI1-HY Condition : QP 3m BL-LO6 6111D-LF_ETC VERTICAL

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

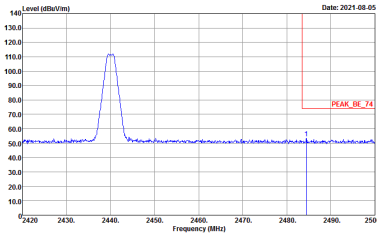
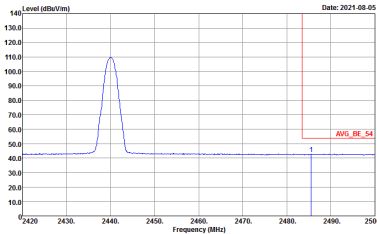
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
Ant.	BLE CH00 2402MHz	
3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

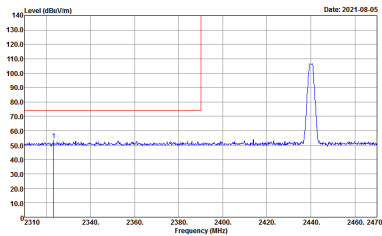
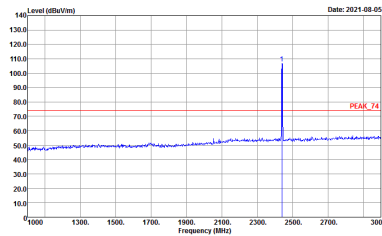
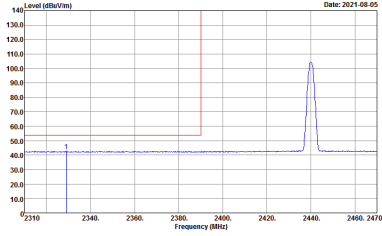
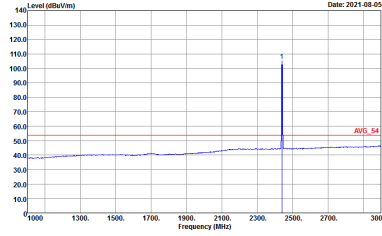
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
Ant.	BLE CH00 2402MHz	
3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AV6_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : AV6_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		



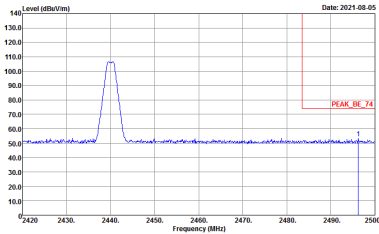
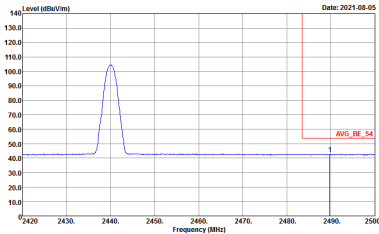
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
Ant.	BLE CH19 2440MHz - L	
3	Horizontal	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
Ant.	BLE CH19 2440MHz - R	
3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

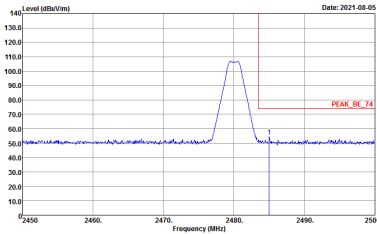
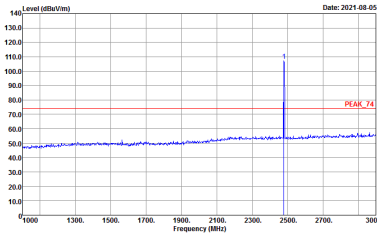
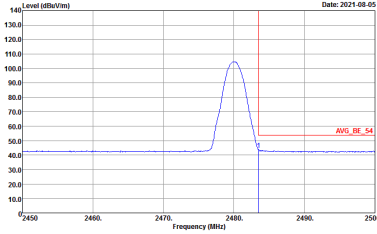
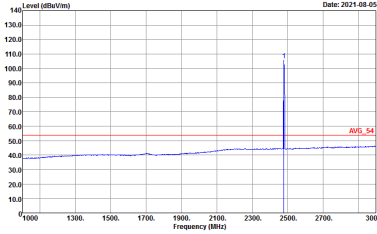
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
Ant.	BLE CH19 2440MHz - L	
3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : : AVG_54 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
Ant.	BLE CH19 2440MHz - R	
3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
Ant.	BLE CH39 2480MHz	
3	Horizontal	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
Ant.	BLE CH39 2480MHz	
3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		



2.4GHz 2400~2483.5MHz

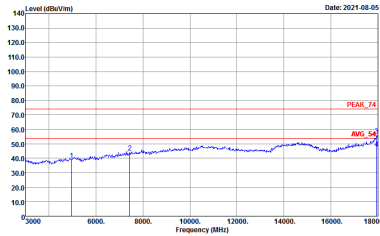
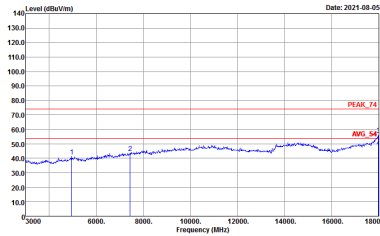
BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
Ant.	BLE CH00 2402MHz	
3	Horizontal	Vertical
Peak Avg.	Level (dBm/100m) Date: 2021-08-05 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBm/100m) Date: 2021-08-05 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
Ant.	BLE CH19 2440MHz	
3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-08-05 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBuV/m) Date: 2021-08-05 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



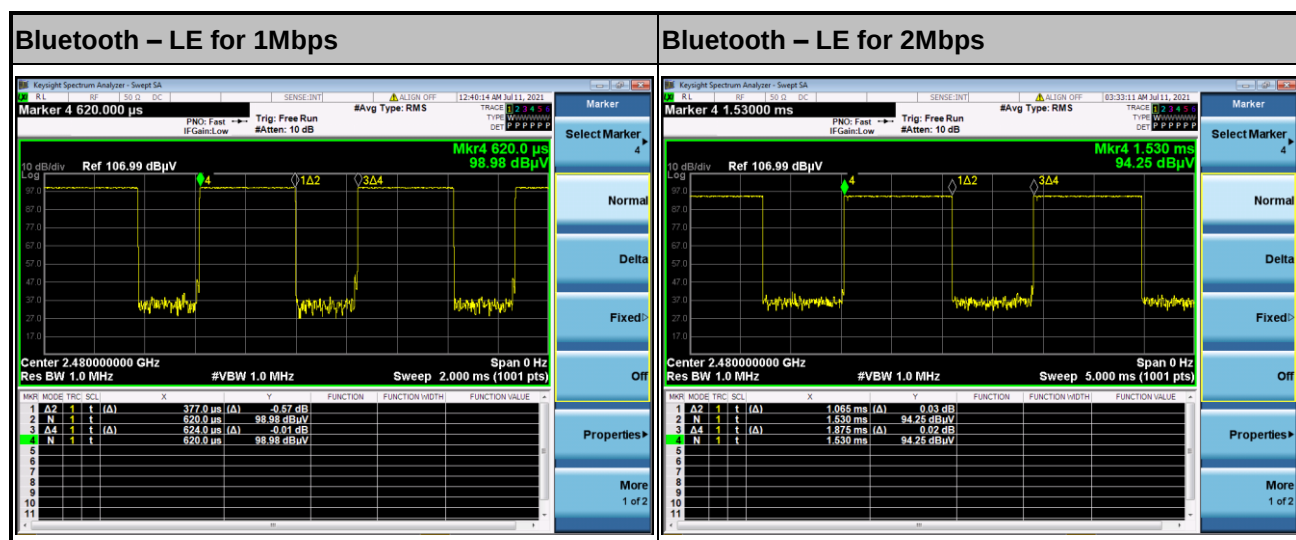
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
Ant.	BLE CH39 2480MHz	
3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



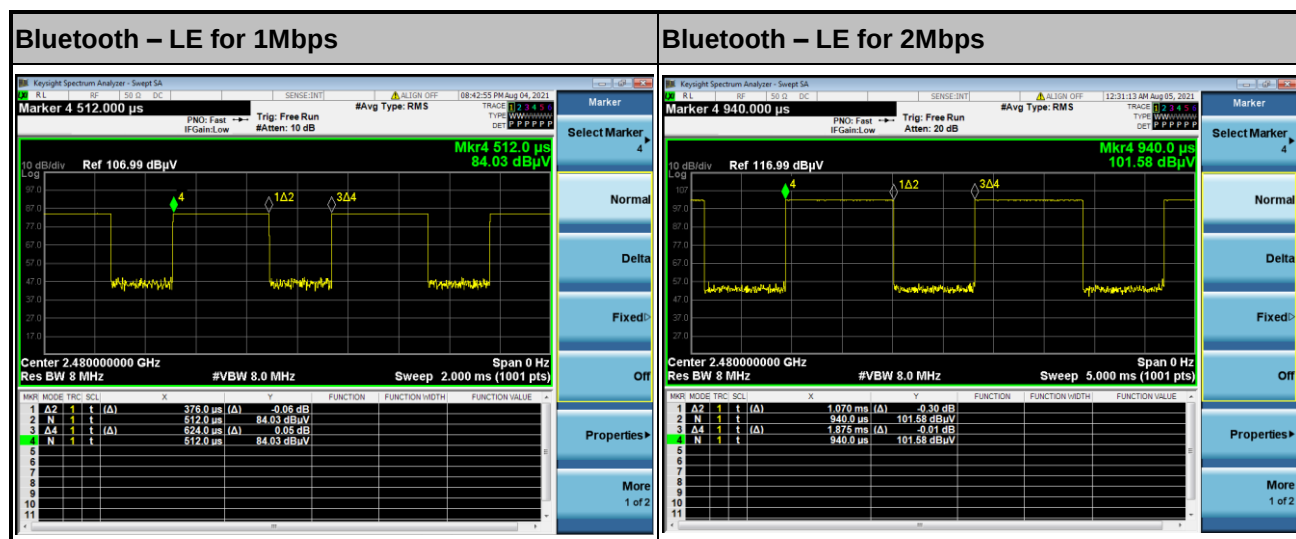
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
4	Bluetooth – LE for 1Mbps	60.42	377	2.65	3kHz
4	Bluetooth – LE for 2Mbps	56.80	1065	0.94	1kHz
3	Bluetooth – LE for 1Mbps	60.26	376	2.66	3kHz
3	Bluetooth – LE for 2Mbps	57.07	1070	0.93	1kHz

<Ant. 4>



<Ant. 3>



—THE END—