



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Vertical
Peak Avg.	Graph 3: Horizontal Level (dBuV/m) vs Frequency (MHz) Site: 03CH13-HY Condition: PEAK_74 3m HORN_91200_1241 HORIZONTAL Peak: 74, Avg: 54	Graph 4: Vertical Level (dBuV/m) vs Frequency (MHz) Site: 03CH13-HY Condition: PEAK_74 3m HORN_91200_1241 VERTICAL Peak: 74, Avg: 54



Emission below 1GHz

2.4GHz BLE (LF)

BLE	2.4GHz 2400~2483.5MHz	
	BLE LF	
	Horizontal	Vertical
QP / Peak	Date: 1 Level (dBuV/m) Date: 2022-03-29 Site : 03CH13-HY Condition : QP 3m 81LO6_40103 HORIZONTAL	Date: 2 Level (dBuV/m) Date: 2022-03-29 Site : 03CH13-HY Condition : QP 3m 81LO6_40103 VERTICAL

<2nd BLE>

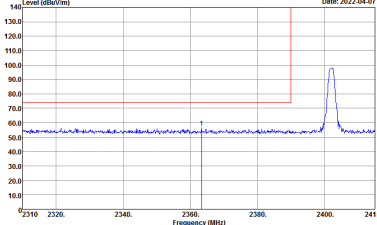
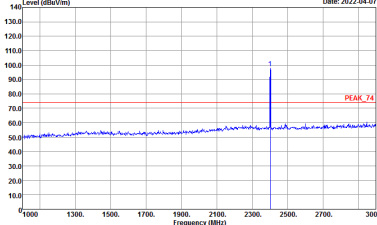
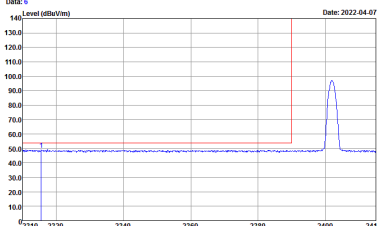
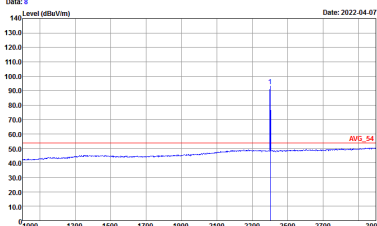
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2.4GHz 2400~2483.5MHz

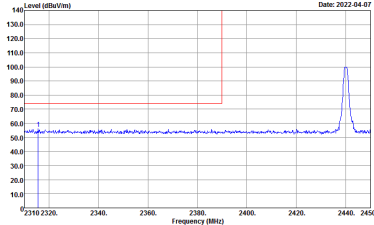
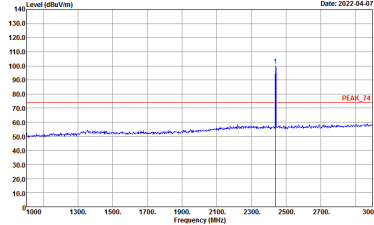
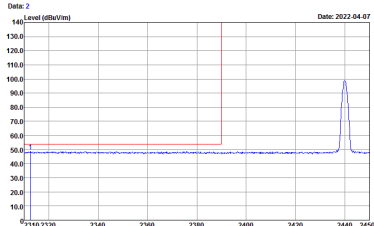
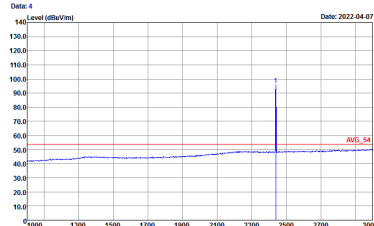
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Fundamental
Peak	Date: 1 Level (dBuV/m) Date: 2022-04-07 Site Condition : 03CH13-HY : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Date: 3 Level (dBuV/m) Date: 2022-04-07 Site Condition : 03CH13-HY : PEAK_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Date: 2 Level (dBuV/m) Date: 2022-04-07 Site Condition : 03CH13-HY : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Date: 4 Level (dBuV/m) Date: 2022-04-07 Site Condition : 03CH13-HY : AVG_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH00 2402MHz	
	Vertical	Fundamental
Peak	Data: 5 Level (dBuV/m) Date: 2022-04-07  Site : 03CH13-4FV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 7 Level (dBuV/m) Date: 2022-04-07  Site : 03CH13-4FV Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Data: 6 Level (dBuV/m) Date: 2022-04-07  Site : 03CH13-4FV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 8 Level (dBuV/m) Date: 2022-04-07  Site : 03CH13-4FV Condition : AVG_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

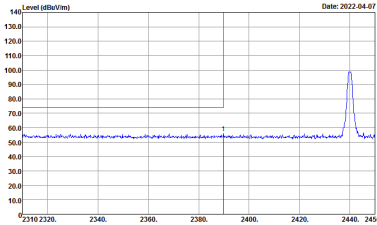
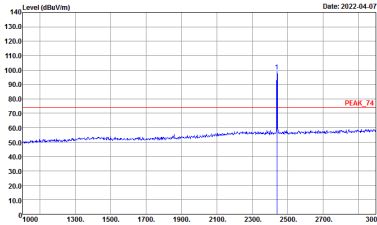
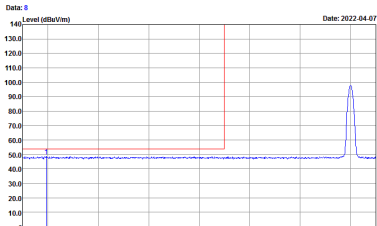
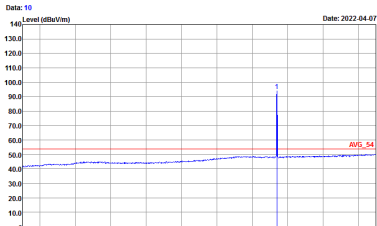


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - L	
	Horizontal	Fundamental
Peak	Date: 1 Date: 2022-04-07  Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Date: 3 Date: 2022-04-07  Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Date: 2 Date: 2022-04-07  Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Date: 4 Date: 2022-04-07  Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - R	
	Horizontal	Fundamental
Peak	Data: 5 Level (dBm/100) Date: 2022-04-07 Site : 03CH13-4-FY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Data: 6 Level (dBm/100) Date: 2022-04-07 Site : 03CH13-4-FY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - L	
	Vertical	Fundamental
Peak	Data: 7 Level (dBuV/m) Date: 2022-04-07  Site : 03CH13-4FV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 9 Level (dBuV/m) Date: 2022-04-07  Site : 03CH13-4FV Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Data: 8 Level (dBuV/m) Date: 2022-04-07  Site : 03CH13-4FV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 10 Level (dBuV/m) Date: 2022-04-07  Site : 03CH13-4FV Condition : AVG_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - R	
	Vertical	Fundamental
Peak	Data: 11 Level (dBm/1m) Date: 2022-04-07 Site : 03CH13-4FV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Data: 12 Level (dBm/1m) Date: 2022-04-07 Site : 03CH13-4FV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Fundamental
Peak	Data: 3 Level (dBuV/m) Date: 2022-04-07 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 1 Level (dBuV/m) Date: 2022-04-07 Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Data: 4 Level (dBuV/m) Date: 2022-04-07 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Trace: Average	Data: 2 Level (dBuV/m) Date: 2022-04-07 Site : 03CH13-HY Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Trace: Average



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Vertical	Fundamental
Peak	Data: 7 Level (dBuV/m) Date: 2022-04-07 PEAK_BE_74 Site : 03CH13-4HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 5 Level (dBuV/m) Date: 2022-04-07 PEAK_74 Site : 03CH13-4HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Data: 8 Level (dBuV/m) Date: 2022-04-07 AVG_BE_54 Site : 03CH13-4HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 6 Level (dBuV/m) Date: 2022-04-07 AVG_54 Site : 03CH13-4HY Condition : AVG_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



2.4GHz 2400~2483.5MHz

BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	Date: 3 Level (dBuV/m) Date: 2022-04-13 Site : 03CH13-4Y Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL	Date: 4 Level (dBuV/m) Date: 2022-04-13 Site : 03CH13-4Y Condition : PEAK_74 3m HORN_91200_1241 VERTICAL



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH19 2440MHz	
	Horizontal	Vertical
Peak Avg.	Date: 3 Level (dBuV/m) Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL	Date: 4 Level (dBuV/m) Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL

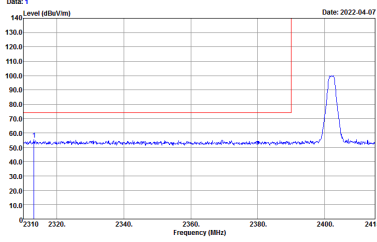
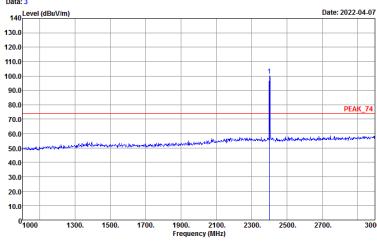
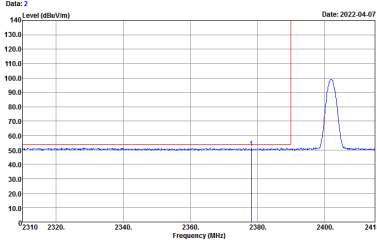
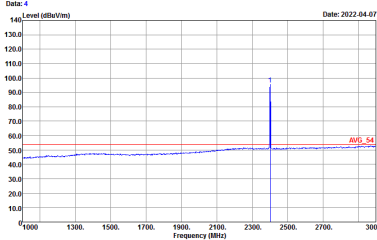


BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Vertical
Peak Avg.	Date: 3 Level (dBuV/m) Date: 2022-04-13 Site : 03CH13-4Y Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL	Date: 4 Level (dBuV/m) Date: 2022-04-13 Site : 03CH13-4Y Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL

<2Mbps>

2.4GHz 2400~2483.5MHz

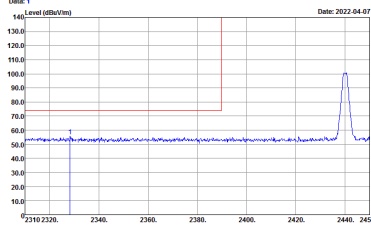
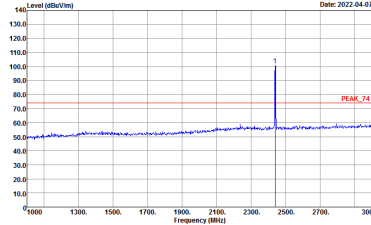
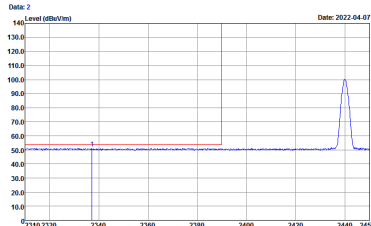
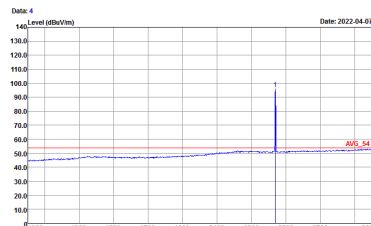
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH13-4HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH13-4HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH13-4HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Trace Average	 Site : 03CH13-4HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Trace Average



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH00 2402MHz	
	Vertical	Fundamental
Peak	Data: 5 Level (dBuV/m) Date: 2022-04-07 Site Condition : 03CH13-HV : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 7 Level (dBuV/m) Date: 2022-04-07 Site Condition : 03CH13-HV : PEAK_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Data: 6 Level (dBuV/m) Date: 2022-04-07 Site Condition : 03CH13-HV : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 8 Level (dBuV/m) Date: 2022-04-07 Site Condition : 03CH13-HV : AVG_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

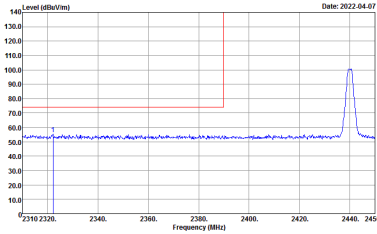
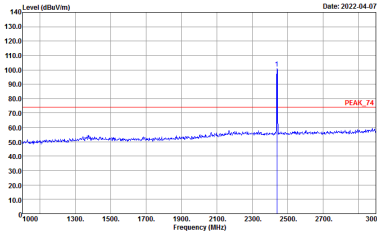
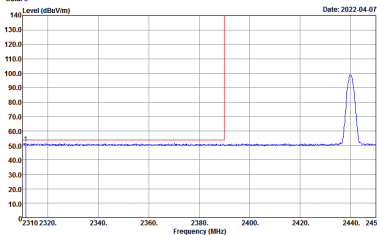
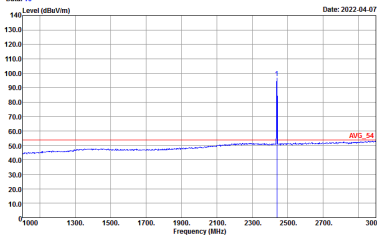


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - L	
	Horizontal	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto 	Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto 
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto 	Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto 



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - R	
	Horizontal	Fundamental
Peak	Data: 5 Level (dBm/100kHz) Date: 2022-04-07 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	Data: 6 Level (dBm/100kHz) Date: 2022-04-07 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

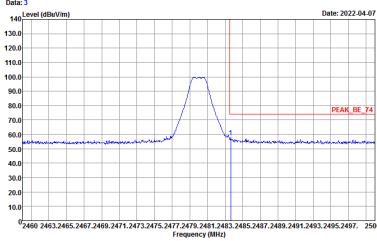
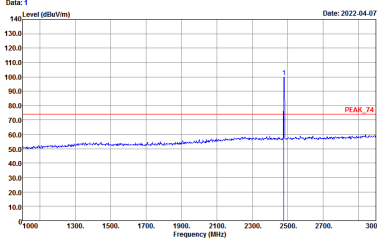
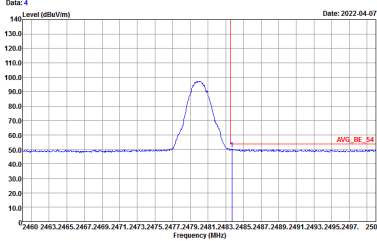
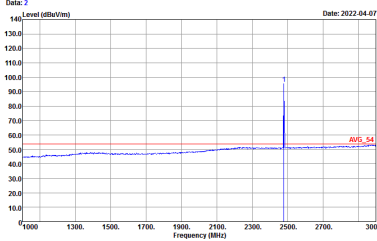


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - L	
	Vertical	Fundamental
Peak	Data: 7 Level (dBuV/m) Date: 2022-04-07  Site Condition : 03CH13-HV : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 9 Level (dBuV/m) Date: 2022-04-07  Site Condition : 03CH13-HV : PEAK_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Data: 8 Level (dBuV/m) Date: 2022-04-07  Site Condition : 03CH13-HV : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 10 Level (dBuV/m) Date: 2022-04-07  Site Condition : 03CH13-HV : AVG_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH19 2440MHz - R	
	Vertical	Fundamental
Peak	Data: 11 Level (dBm/1m) Date: 2022-04-07 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Data: 12 Level (dBm/1m) Date: 2022-04-07 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto 	Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto 
Avg.	Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto 	Site : 03CH13-HY Condition : AVG_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto 



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Vertical	Fundamental
Peak	Data: 7 Level (dBm/1m) Date: 2022-04-07 Site : 03CH13-1HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 5 Level (dBm/1m) Date: 2022-04-07 Site : 03CH13-1HV Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Data: 8 Level (dBm/1m) Date: 2022-04-07 Site : 03CH13-1HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Data: 6 Level (dBm/1m) Date: 2022-04-07 Site : 03CH13-1HV Condition : AVG_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



2.4GHz 2400~2483.5MHz

BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	Date: 3 Level (dBuV/m) Date: 2022-04-13 Site : 03CH13-4Y Condition : PEAK_74 3m HORN_91200_1241 HORIZONTAL	Date: 4 Level (dBuV/m) Date: 2022-04-13 Site : 03CH13-4Y Condition : PEAK_74 3m HORN_91200_1241 VERTICAL

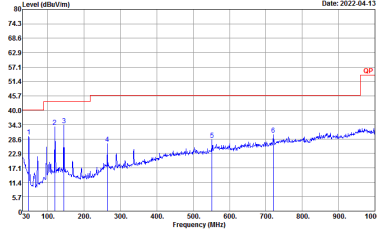
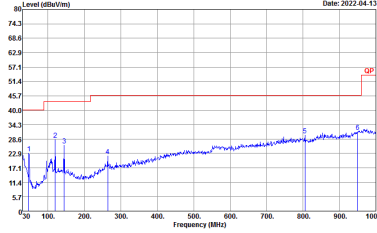


BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH19 2440MHz	
	Horizontal	Vertical
Peak Avg.	Data: 3 Level (dBuV/m) Date: 2022-04-13 Site : 03CH13-4Y Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL	Data: 4 Level (dBuV/m) Date: 2022-04-13 Site : 03CH13-4Y Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Vertical
Peak Avg.	Date: 3 Level (dBuV/m) Date: 2022-04-13 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL	Date: 4 Level (dBuV/m) Date: 2022-04-13 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL

Emission below 1GHz
2.4GHz BLE (LF)

BLE	2.4GHz 2400~2483.5MHz	
	BLE LF	
	Horizontal	Vertical
QP / Peak	Date: 1 Level (dBuV/m) Date: 2022-04-13  Site : 03CH13-HY Condition : QP 3m B1LO6_40103 HORIZONTAL	Date: 2 Level (dBuV/m) Date: 2022-04-13  Site : 03CH13-HY Condition : QP 3m B1LO6_40103 VERTICAL



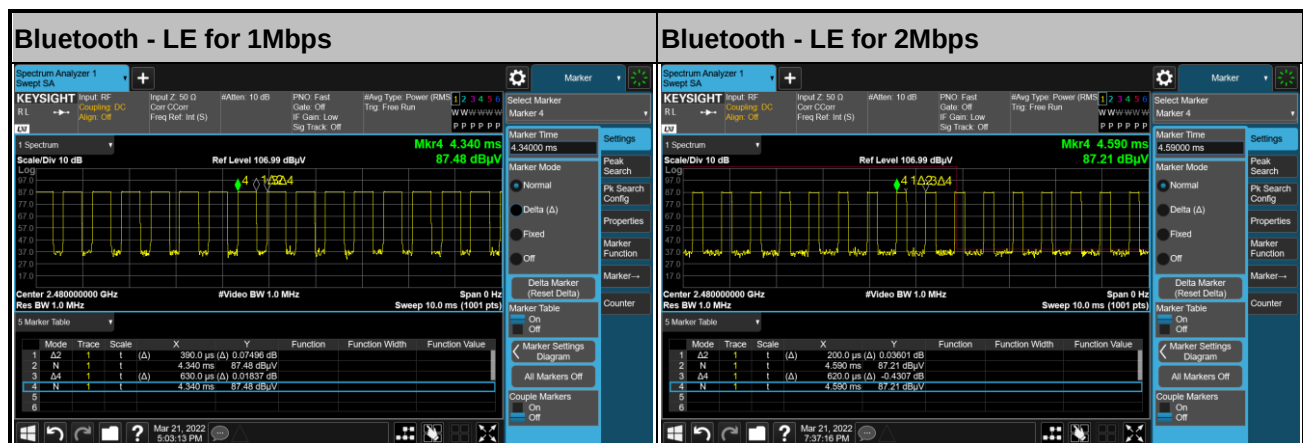
Appendix E. Duty Cycle Plots

<1st>

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
Bluetooth - LE for 1Mbps	61.90	390	2.56	3kHz
Bluetooth - LE for 2Mbps	32.26	200	5.00	10kHz

<2nd>

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
Bluetooth - LE for 1Mbps	62.72	392	2.55	3kHz
Bluetooth - LE for 2Mbps	32.80	205.2	4.87	10kHz

<1st><2nd>