



Appendix C. Radiated Spurious Emission Plots

Test Engineer :	Kyle Jhuang, Wilson Wu and Alex Jeng	Temperature :	24.5~25.0°C
		Relative Humidity :	50~58%

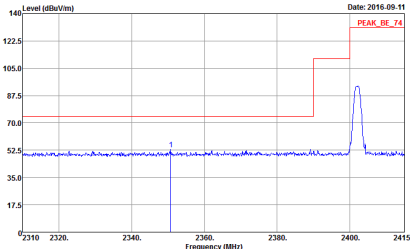
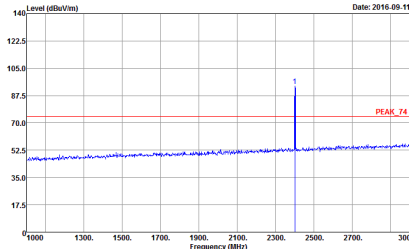
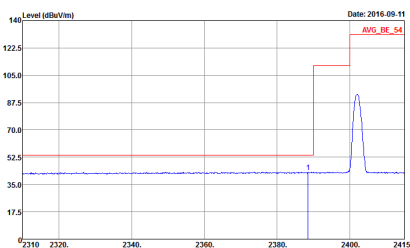
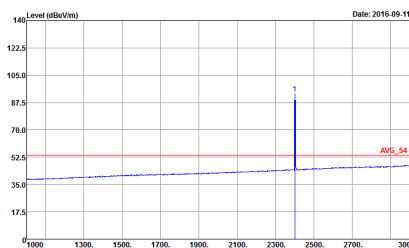
Note symbol

-L	Low channel location
-R	High channel location

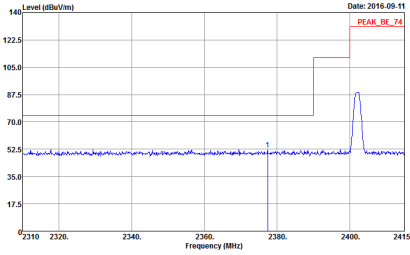
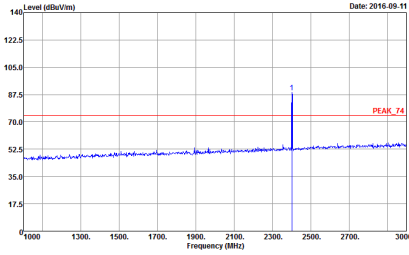
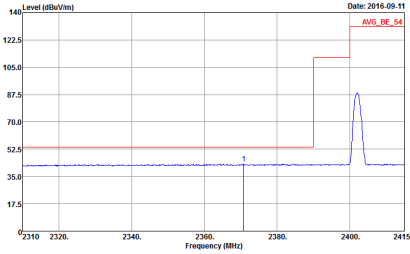
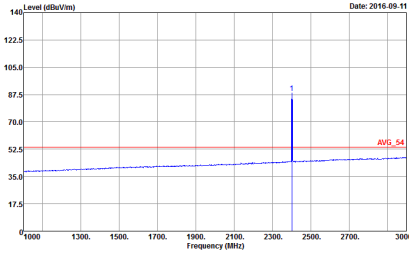


2.4GHz 2400~2483.5MHz

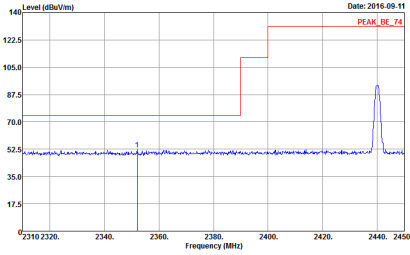
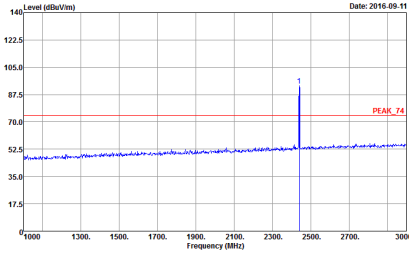
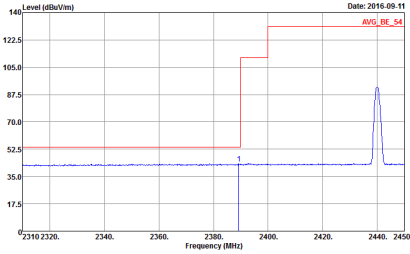
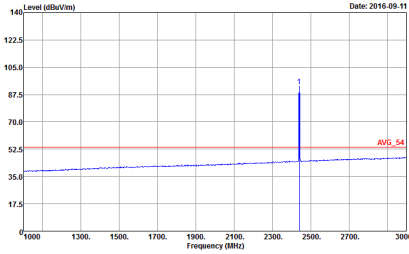
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH00 2402MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 690507 Mode : 4	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 690507 Mode : 4
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 690507 Mode : 4	 Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 690507 Mode : 4

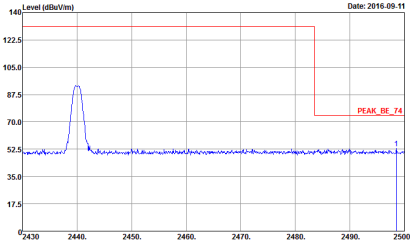
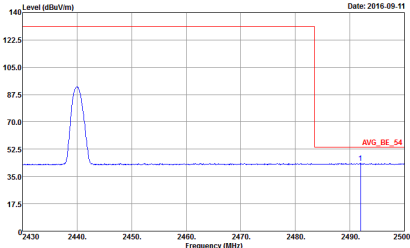


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH00 2402MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120d_1241 VERTICAL Detector : Peak Project : 690507 Mode : 4	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120d_1241 VERTICAL Detector : Peak Project : 690507 Mode : 4
Avg	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120d_1241 VERTICAL Detector : Peak Project : 690507 Mode : 4	 Site : 03CH13-HY Condition : AVG_54 3m HORN_9120d_1241 VERTICAL Detector : Peak Project : 690507 Mode : 4

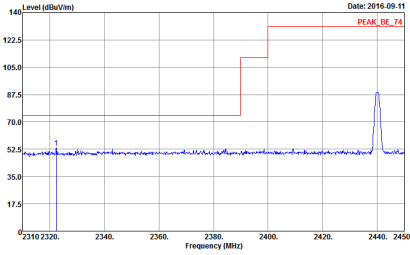
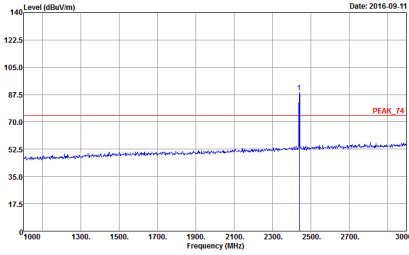
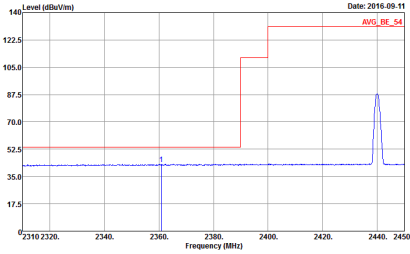
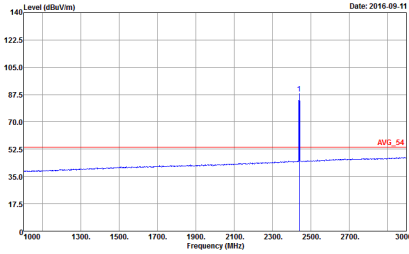


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
1	Horizontal	Fundamental
Peak	 Date: 2016-09-11 PEAK_BE_74 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5	 Date: 2016-09-11 PEAK_74 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5
Avg.	 Date: 2016-09-11 AVG_BE_54 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5	 Date: 2016-09-11 AVG_54 Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5

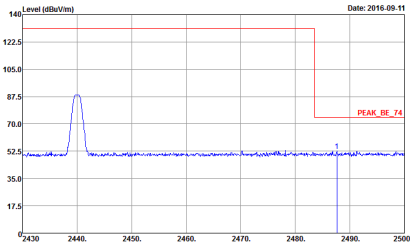
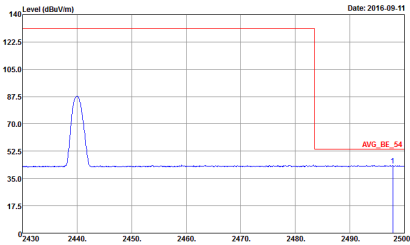


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120d_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120d_1241 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5	Left blank

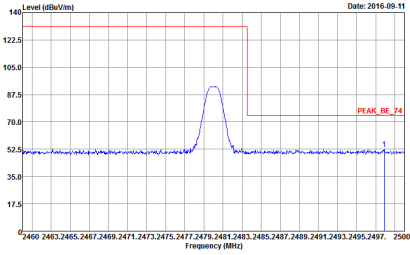
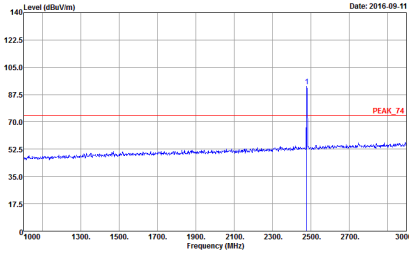
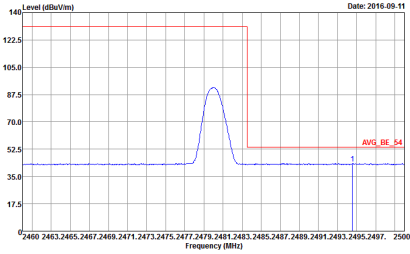
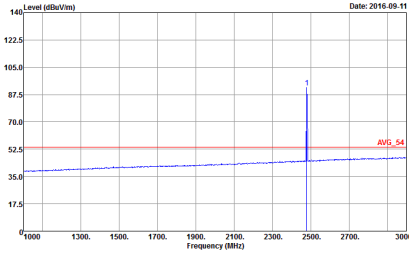


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical. The plot shows a sharp peak at 2440 MHz. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the noise floor, and a blue line shows the signal. The peak is labeled 'PEAK_BE_74'. Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental. The plot shows a sharp peak at 2440 MHz. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the noise floor, and a blue line shows the signal. The peak is labeled 'PEAK_74'. Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical. The plot shows a sharp peak at 2440 MHz. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the noise floor, and a blue line shows the signal. The peak is labeled 'AVG_BE_54'. Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental. The plot shows a sharp peak at 2440 MHz. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the noise floor, and a blue line shows the signal. The peak is labeled 'AVG_54'. Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5

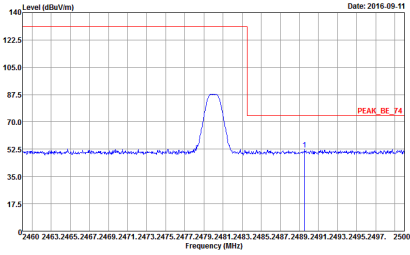
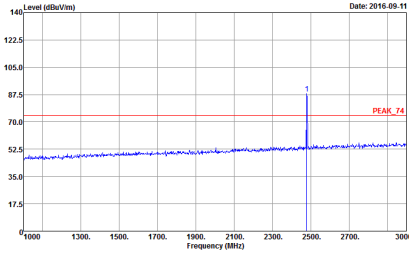
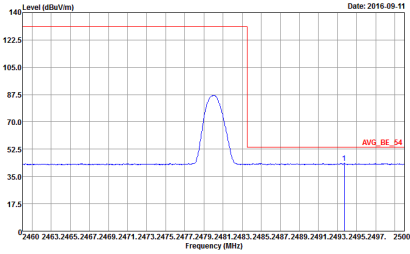
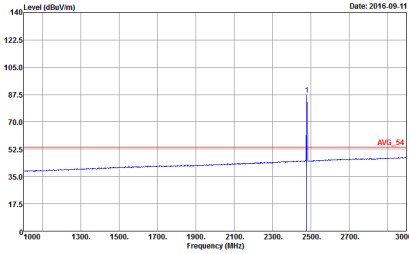


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120d_1241 HORIZONTAL Detector : Peak Project : 690507 Mode : 6	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120d_1241 HORIZONTAL Detector : Peak Project : 690507 Mode : 6
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120d_1241 HORIZONTAL Detector : Peak Project : 690507 Mode : 6	 Site : 03CH13-HY Condition : AVG_54 3m HORN_9120d_1241 HORIZONTAL Detector : Peak Project : 690507 Mode : 6

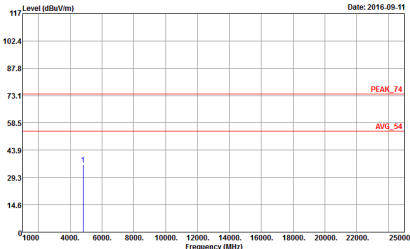
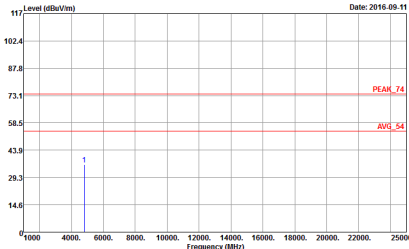


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 6	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 6
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 6	 Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 6

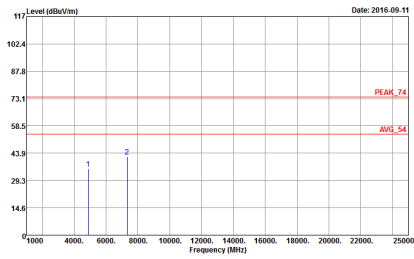
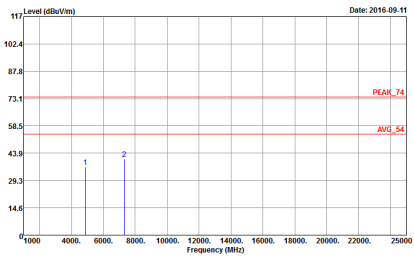


2.4GHz 2400~2483.5MHz

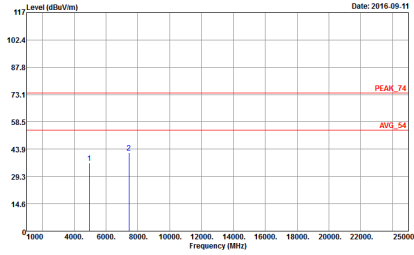
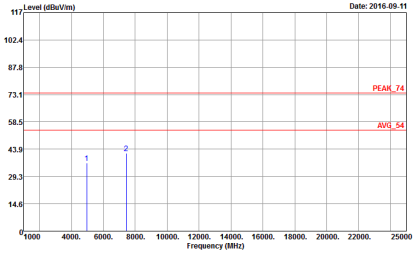
BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH00 2402MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 690507 Mode : 4	 Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 690507 Mode : 4



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH19 2440MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 690507 Mode : 5	 Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 690507 Mode : 5

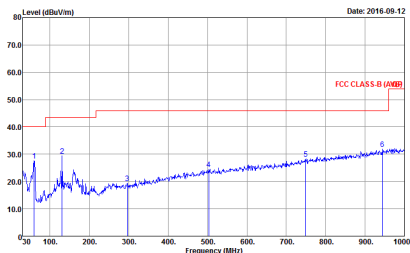
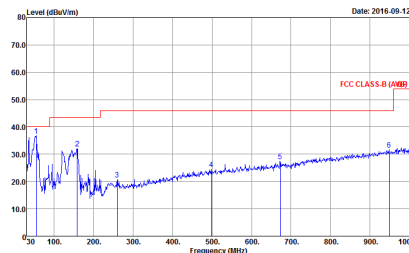


BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH39 2480MHz	
1	Horizontal	Vertical
Peak	117 Level (dBuV/m) Date: 2016-09-11  Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 690507 Mode : 6	117 Level (dBuV/m) Date: 2016-09-11  Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 690507 Mode : 6



Emission below 1GHz

2.4GHz BLE (LF)

BLE	2.4GHz 2400~2483.5MHz	
ANT	BLE LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH13-HY Condition : QP 3m B1L06_40103 HORIZONTAL Detector : Peak Project : 690507 Mode : 20	 Site : 03CH13-HY Condition : QP 3m B1L06_40103 VERTICAL Detector : Peak Project : 690507 Mode : 20