



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%

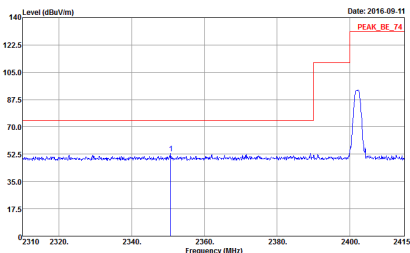
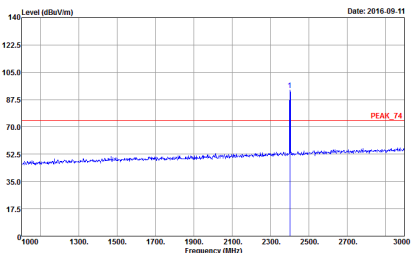
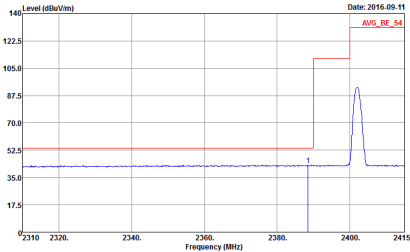
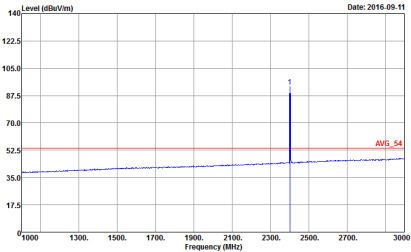
Note symbol

-L	Low channel location
-R	High channel location

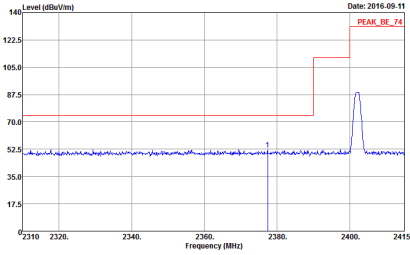
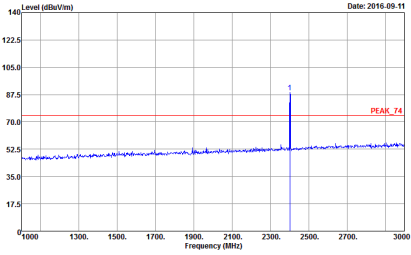
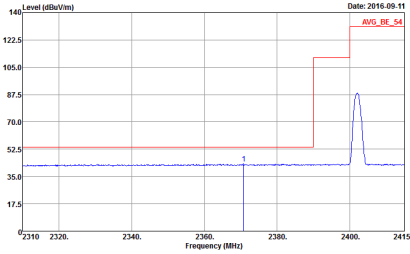
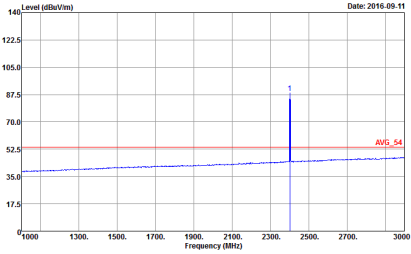


2.4GHz 2400~2483.5MHz

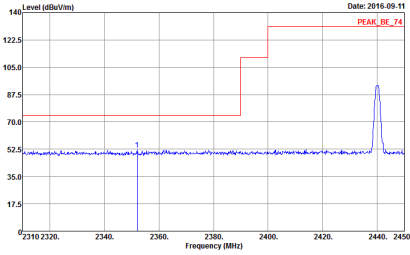
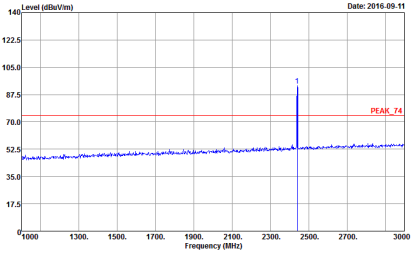
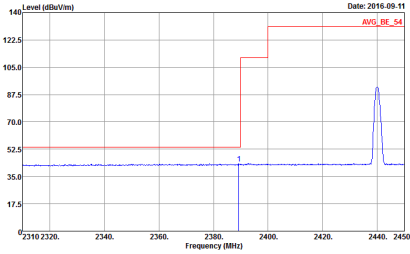
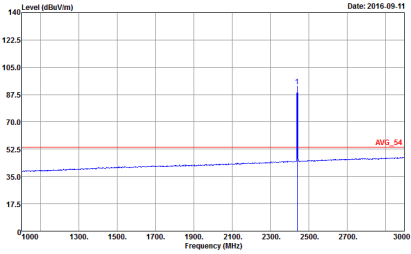
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH00 2402MHz	
1	Horizontal	Fundamental
Peak	 <p>Date: 2016-09-11</p> <p>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 : 4</p>	 <p>Date: 2016-09-11</p> <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 4</p>
Avg.	 <p>Date: 2016-09-11</p> <p>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 : 4</p>	 <p>Date: 2016-09-11</p> <p>Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 4</p>

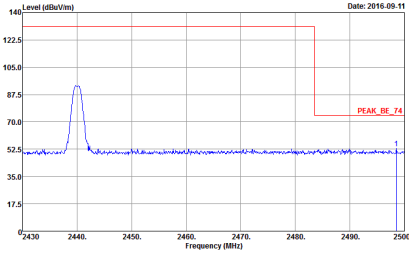
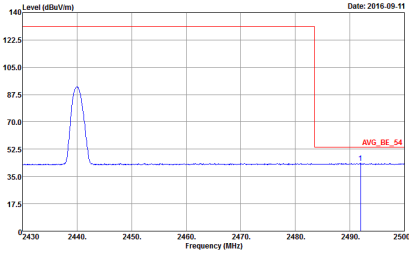


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH00 2402MHz	
1	Vertical	Fundamental
Peak	 <p>Date: 2016-09-11 PEAK_BE_74</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 4</p>	 <p>Date: 2016-09-11 PEAK_74</p> <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 4</p>
Avg	 <p>Date: 2016-09-11 AVG_BE_54</p> <p>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 : 4</p>	 <p>Date: 2016-09-11 AVG_54</p> <p>Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 4</p>

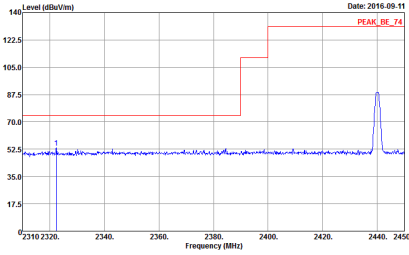
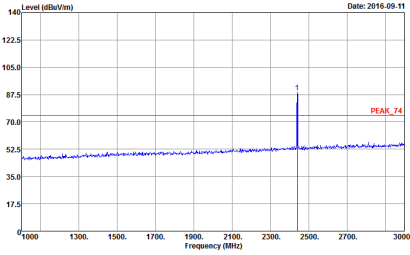
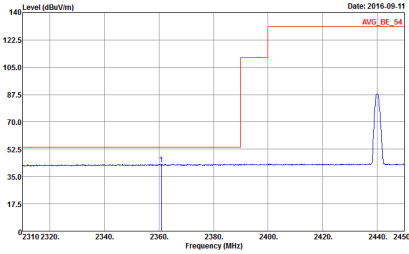
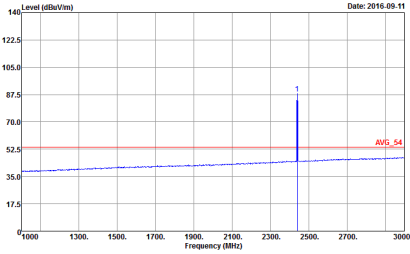


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2016-09-11 PEAK_BE_74</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5</p>	 <p>Date: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

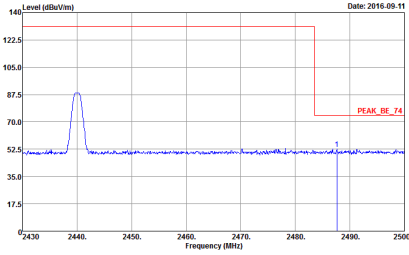
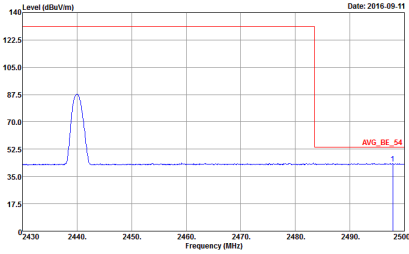


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2016.09.11</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5</p>	Left blank
Avg.	 <p>Date: 2016.09.11</p> <p>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</p>	Left blank

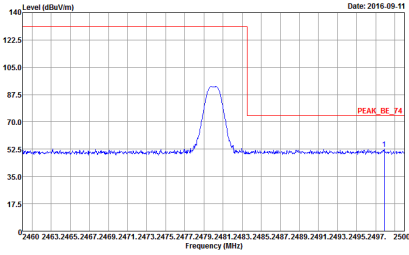
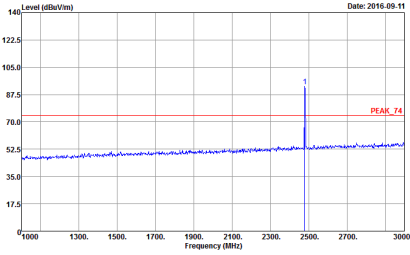
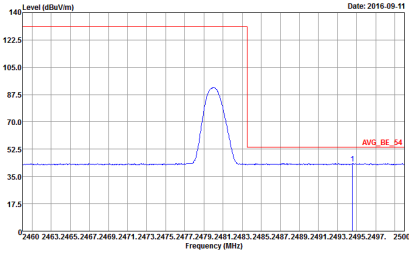
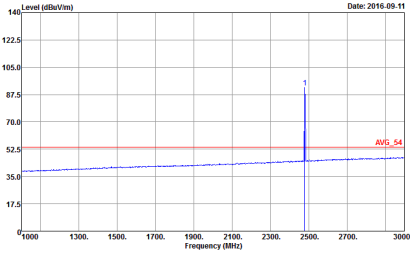


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
1	Vertical	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot for Vertical Peak. The plot shows a signal level around 70 dBu/m with a sharp peak at 2440 MHz reaching approximately 85 dBu/m. A red step function is overlaid, showing a jump at 2400 MHz and another at 2440 MHz. The peak is labeled 'PEAK_BE_74'.</p> <p>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</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a signal level around 70 dBu/m with a sharp peak at 2440 MHz reaching approximately 85 dBu/m. A red step function is overlaid, showing a jump at 2400 MHz and another at 2440 MHz. The peak is labeled 'PEAK_74'.</p> <p>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</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot for Vertical Avg. The plot shows a signal level around 70 dBu/m with a sharp peak at 2440 MHz reaching approximately 85 dBu/m. A red step function is overlaid, showing a jump at 2400 MHz and another at 2440 MHz. The peak is labeled 'AVG_BE_54'.</p> <p>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</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot for Fundamental Avg. The plot shows a signal level around 70 dBu/m with a sharp peak at 2440 MHz reaching approximately 85 dBu/m. A red step function is overlaid, showing a jump at 2400 MHz and another at 2440 MHz. The peak is labeled 'AVG_54'.</p> <p>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</p>

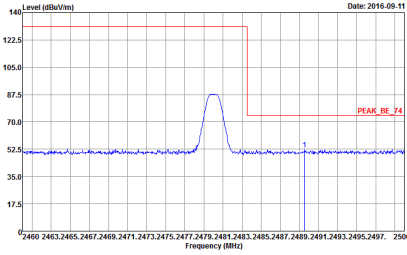
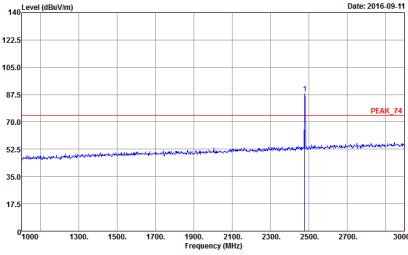
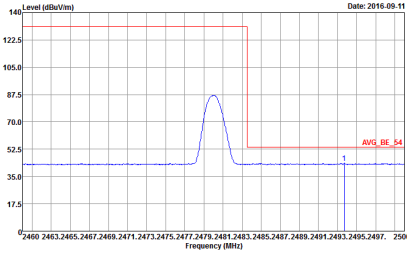
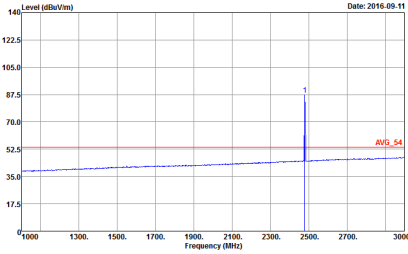


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
1	Vertical	Fundamental
Peak	 <p>Date: 2016-09-11</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 5</p>	Left blank
Avg.	 <p>Date: 2016-09-11</p> <p>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</p>	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz	
1	Horizontal	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The y-axis ranges from 0 to 140 dBu/m, and the x-axis ranges from 2460 to 2500 MHz. A red box highlights the peak area, and a red line indicates the peak level at approximately 135 dBu/m. The plot is labeled 'PEAK_BE_74'.</p> <p>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 : 0</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The y-axis ranges from 0 to 140 dBu/m, and the x-axis ranges from 1000 to 3000 MHz. A red box highlights the peak area, and a red line indicates the peak level at approximately 135 dBu/m. The plot is labeled 'PEAK_74'.</p> <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 0</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot showing an average spectrum. The y-axis ranges from 0 to 140 dBu/m, and the x-axis ranges from 2460 to 2500 MHz. A red box highlights the average level at approximately 135 dBu/m. The plot is labeled 'AVG_BE_54'.</p> <p>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 : 0</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing an average spectrum. The y-axis ranges from 0 to 140 dBu/m, and the x-axis ranges from 1000 to 3000 MHz. A red box highlights the average level at approximately 135 dBu/m. The plot is labeled 'AVG_54'.</p> <p>Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 0</p>

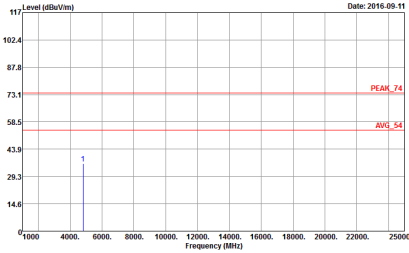
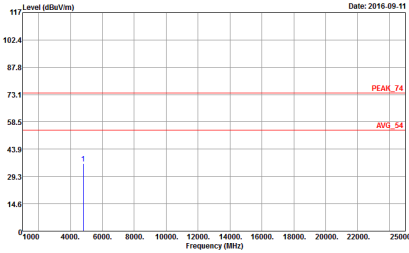


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz	
1	Vertical	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 2480 MHz. The peak level is around 85 dBu/m. A red box highlights the peak area, and a red line indicates the peak level. The plot is dated 2016-09-11.</p> <p>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 : 0</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 2480 MHz. The peak level is around 85 dBu/m. A red box highlights the peak area, and a red line indicates the peak level. The plot is dated 2016-09-11.</p> <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 0</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot showing an average level across the 2400-2500 MHz range. A peak is visible at approximately 2480 MHz. A red box highlights the peak area, and a red line indicates the average level. The plot is dated 2016-09-11.</p> <p>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 : 0</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing an average level across the 2400-3000 MHz range. A peak is visible at approximately 2480 MHz. A red box highlights the peak area, and a red line indicates the average level. The plot is dated 2016-09-11.</p> <p>Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 690507 Mode : 0</p>

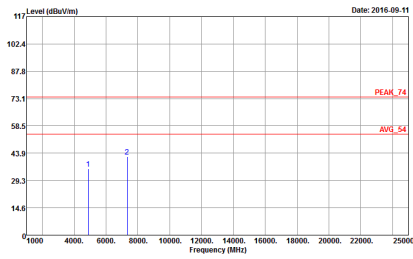
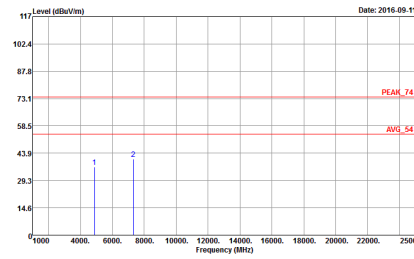


2.4GHz 2400~2483.5MHz

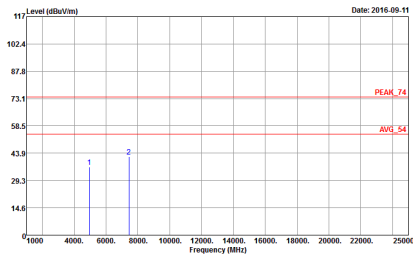
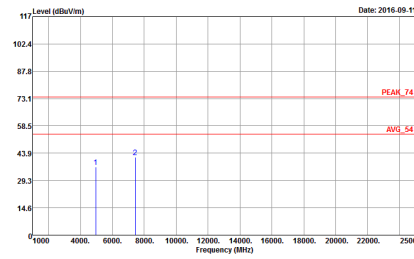
BLE (Harmonic @ 3m)

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



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



BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH39 2480MHz	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 690507 Mode : 6</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 690507 Mode : 6</p>



Emission below 1GHz

2.4GHz BLE (LF)

BLE	2.4GHz 2400~2483.5MHz	
ANT	BLE LF	
1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH13-HY Condition : QP 3m 81LOG_40103 HORIZONTAL Detector : Peak Project : 690507 Mode : Z0</p>	<p>Site : 03CH13-HY Condition : QP 3m 81LOG_40103 VERTICAL Detector : Peak Project : 690507 Mode : Z0</p>