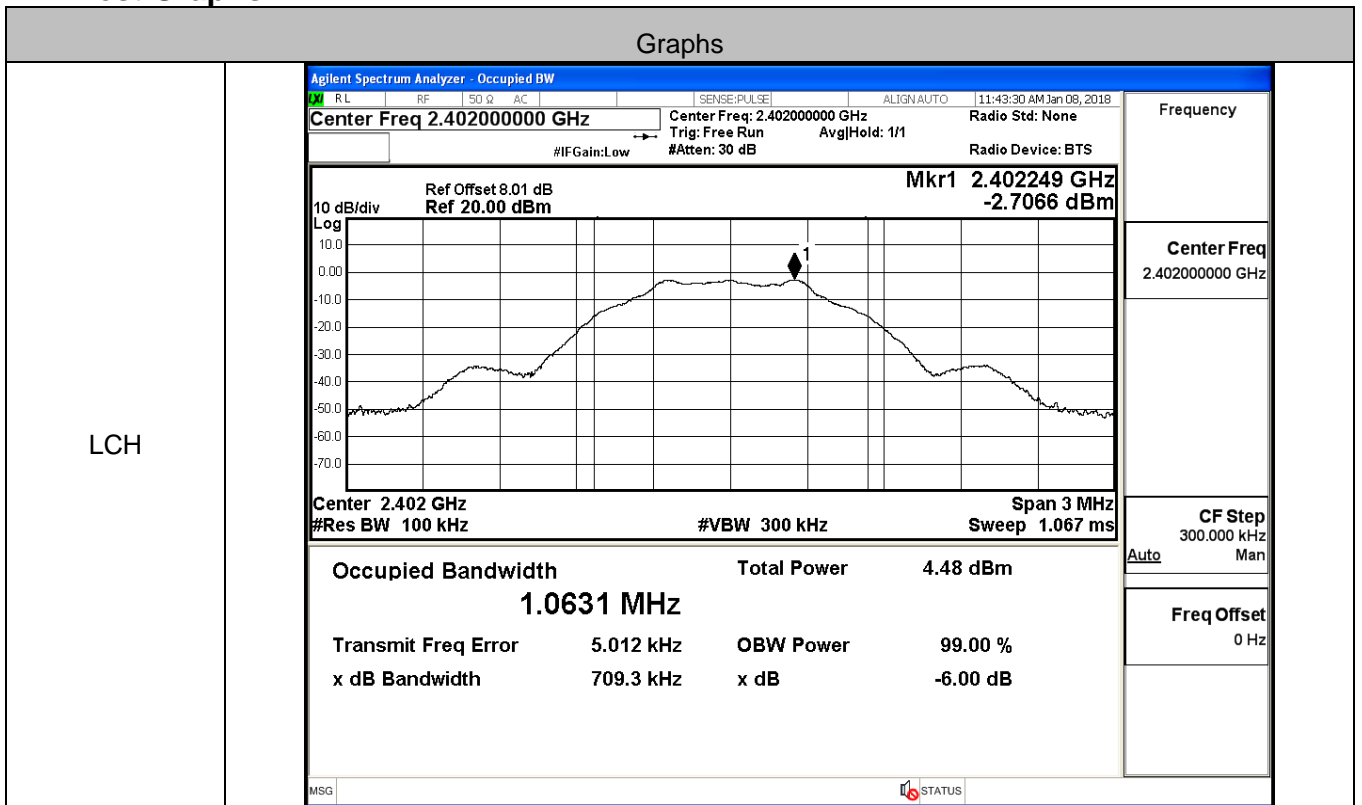


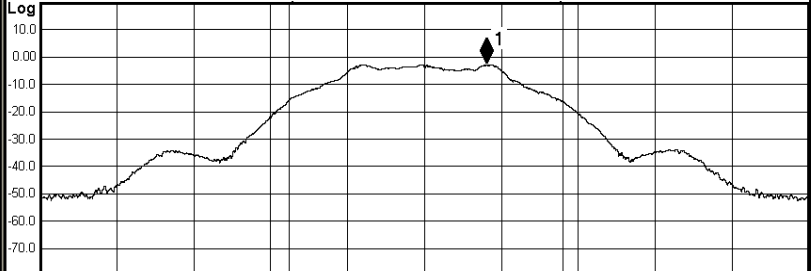
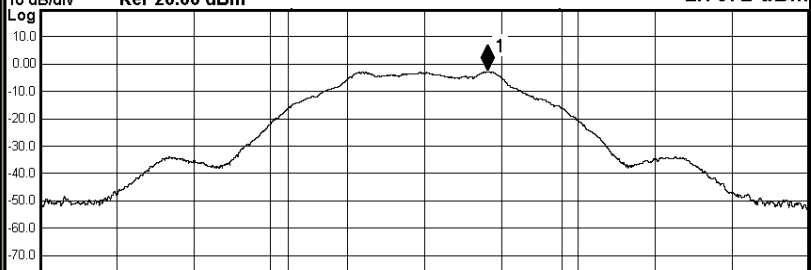
### Section A): 6dB Bandwidth and 99% Bandwidth

#### Test Result

Mode	Channel	6dB Bandwidth [MHz]	99% Bandwidth [MHz]	Verdict
BLE	LCH	0.7093	1.0631	PASS
BLE	MCH	0.7060	1.0636	PASS
BLE	HCH	0.7134	1.0638	PASS

#### Test Graphs



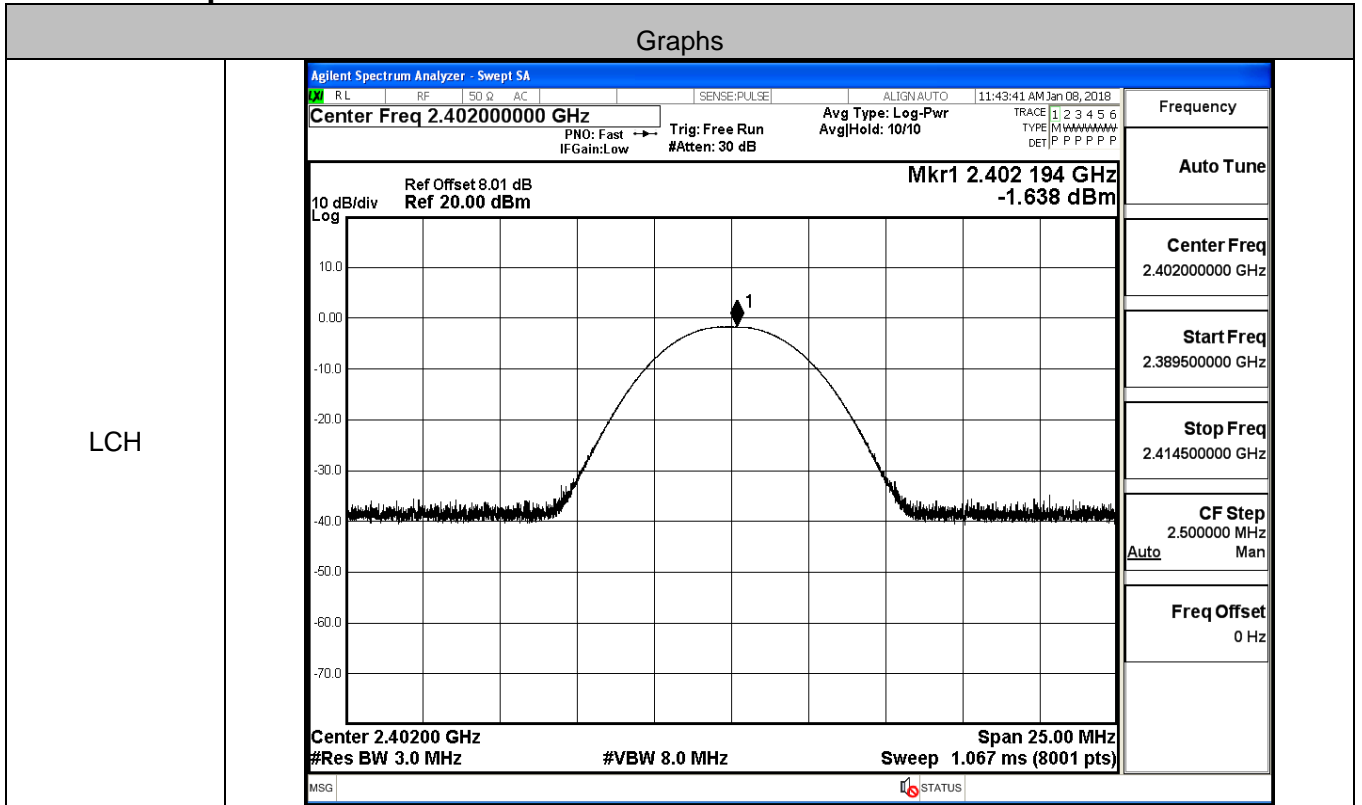
<p>MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.44000000 GHz</p> <p>Center Freq: 2.44000000 GHz Trig: Free Run AvgHld: 1/1</p> <p>#IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>11:45:55 AM Jan 08, 2018</p> <p>Ref Offset 8.01 dB Ref 20.00 dBm</p> <p>Mkr1 2.4402438 GHz -2.7562 dBm</p>  <p>Center 2.44 GHz Span 3 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>4.42 dBm</td> </tr> <tr> <td><b>1.0636 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>5.877 kHz</td> <td>OBW Power 99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>706.0 kHz</td> <td>x dB -6.00 dB</td> </tr> </table> <p>MSG STATUS</p>	Occupied Bandwidth	Total Power	4.42 dBm	<b>1.0636 MHz</b>			Transmit Freq Error	5.877 kHz	OBW Power 99.00 %	x dB Bandwidth	706.0 kHz	x dB -6.00 dB	<p>Frequency</p> <p>Center Freq 2.44000000 GHz</p> <p>CF Step 300.000 kHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	Occupied Bandwidth	Total Power	4.42 dBm											
<b>1.0636 MHz</b>														
Transmit Freq Error	5.877 kHz	OBW Power 99.00 %												
x dB Bandwidth	706.0 kHz	x dB -6.00 dB												
<p>HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.48000000 GHz</p> <p>Center Freq: 2.48000000 GHz Trig: Free Run AvgHld: 1/1</p> <p>#IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>11:47:42 AM Jan 08, 2018</p> <p>Ref Offset 8.01 dB Ref 20.00 dBm</p> <p>Mkr1 2.4802475 GHz -2.7672 dBm</p>  <p>Center 2.48 GHz Span 3 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>4.38 dBm</td> </tr> <tr> <td><b>1.0638 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>4.908 kHz</td> <td>OBW Power 99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>713.4 kHz</td> <td>x dB -6.00 dB</td> </tr> </table> <p>MSG STATUS</p>	Occupied Bandwidth	Total Power	4.38 dBm	<b>1.0638 MHz</b>			Transmit Freq Error	4.908 kHz	OBW Power 99.00 %	x dB Bandwidth	713.4 kHz	x dB -6.00 dB	<p>Frequency</p> <p>Center Freq 2.48000000 GHz</p> <p>CF Step 300.000 kHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	Occupied Bandwidth	Total Power	4.38 dBm											
<b>1.0638 MHz</b>														
Transmit Freq Error	4.908 kHz	OBW Power 99.00 %												
x dB Bandwidth	713.4 kHz	x dB -6.00 dB												

### Section B): Conducted Peak Output Power

#### Test Result

Mode	Channel	Conduct Peak Power[dBm]	Verdict
BLE	LCH	-1.638	PASS
BLE	MCH	-1.724	PASS
BLE	HCH	-1.711	PASS

#### Test Graphs



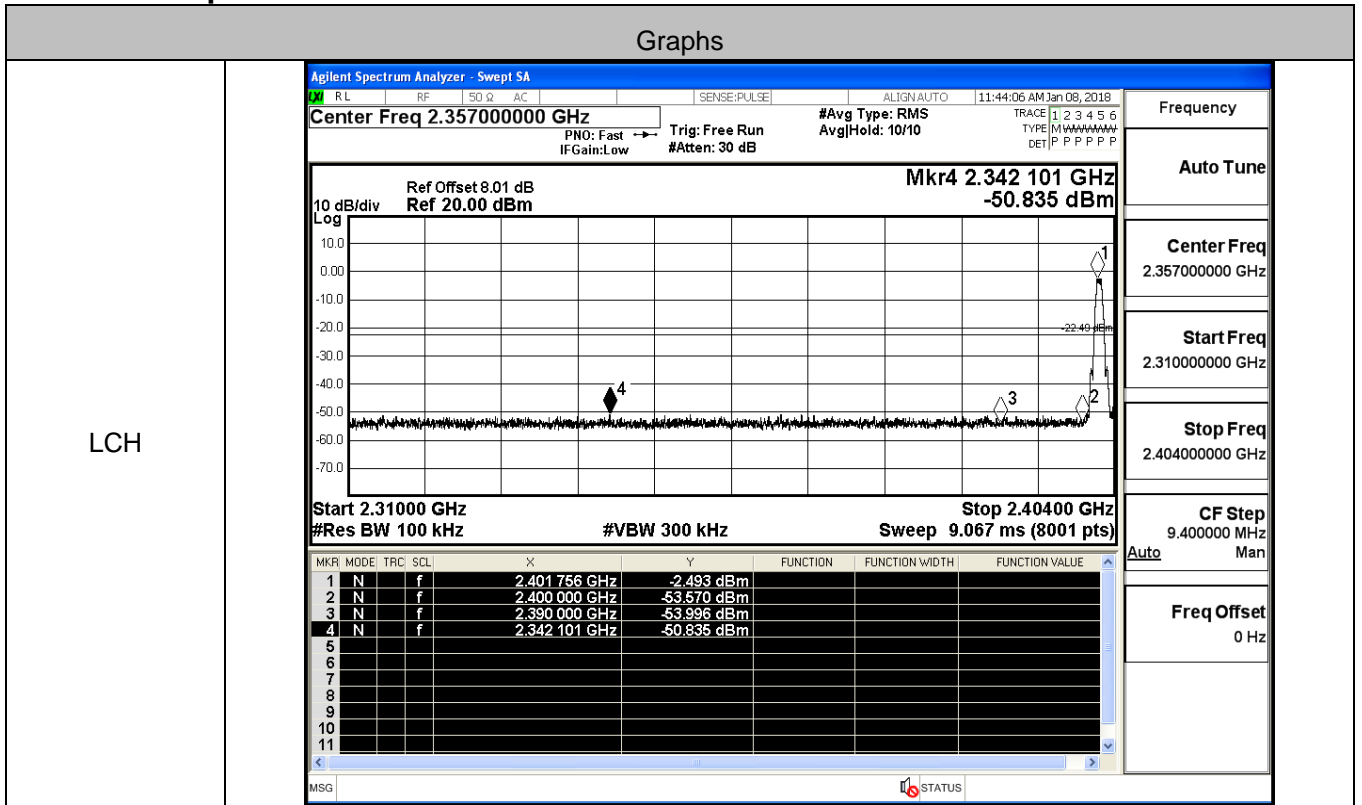
<p>MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.44000000 GHz</p> <p>Mkr1 2.440 234 GHz -1.724 dBm</p> <p>10 dB/div Log</p> <p>Ref Offset 8.01 dB Ref 20.00 dBm</p> <p>Center 2.44000 GHz #Res BW 3.0 MHz #VBW 8.0 MHz Span 25.00 MHz Sweep 1.067 ms (8001 pts)</p>
	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.48000000 GHz</p> <p>Mkr1 2.479 872 GHz -1.711 dBm</p> <p>10 dB/div Log</p> <p>Ref Offset 8.01 dB Ref 20.00 dBm</p> <p>Center 2.48000 GHz #Res BW 3.0 MHz #VBW 8.0 MHz Span 25.00 MHz Sweep 1.067 ms (8001 pts)</p>

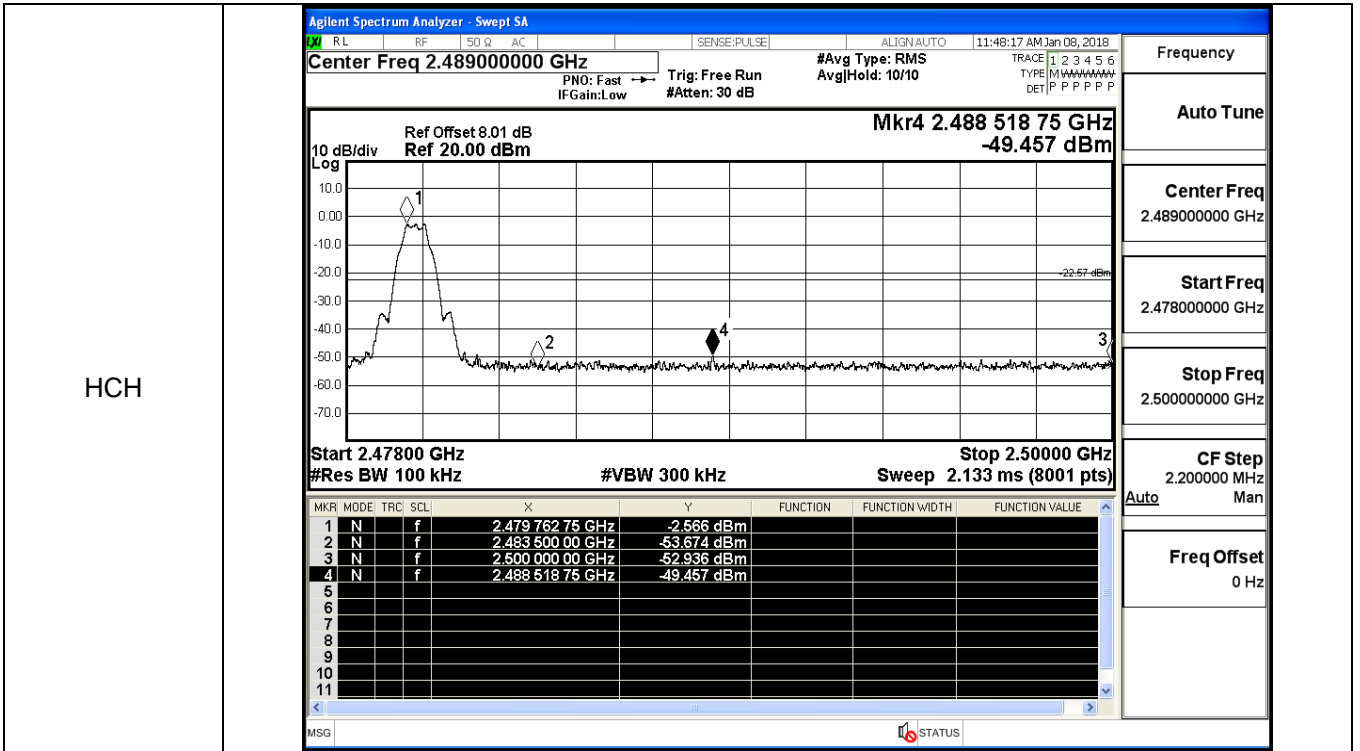
### Section C): Band-edge for RF Conducted Emissions

Result Table

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BLE	LCH	-2.493	-50.835	-22.49	PASS
BLE	HCH	-2.566	-49.457	-22.57	PASS

Test Graphs



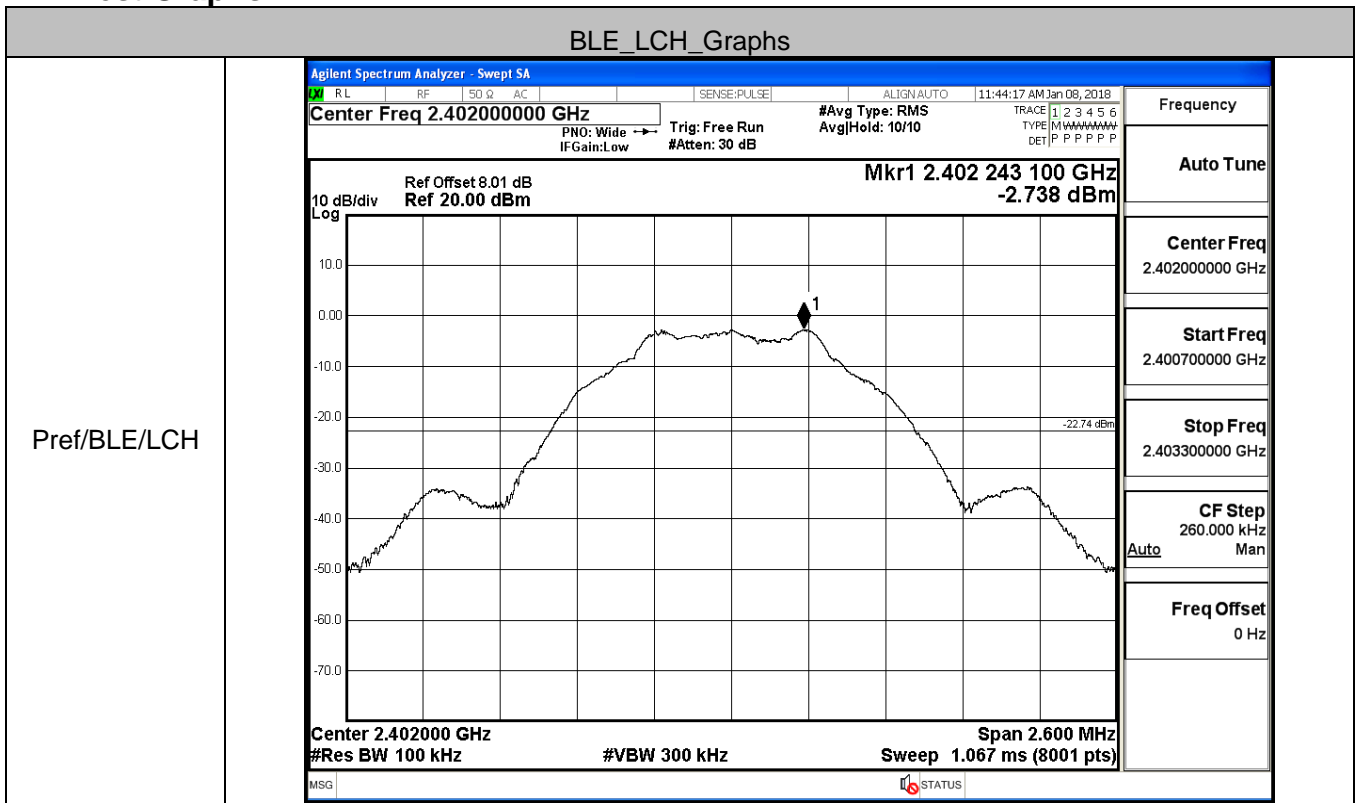


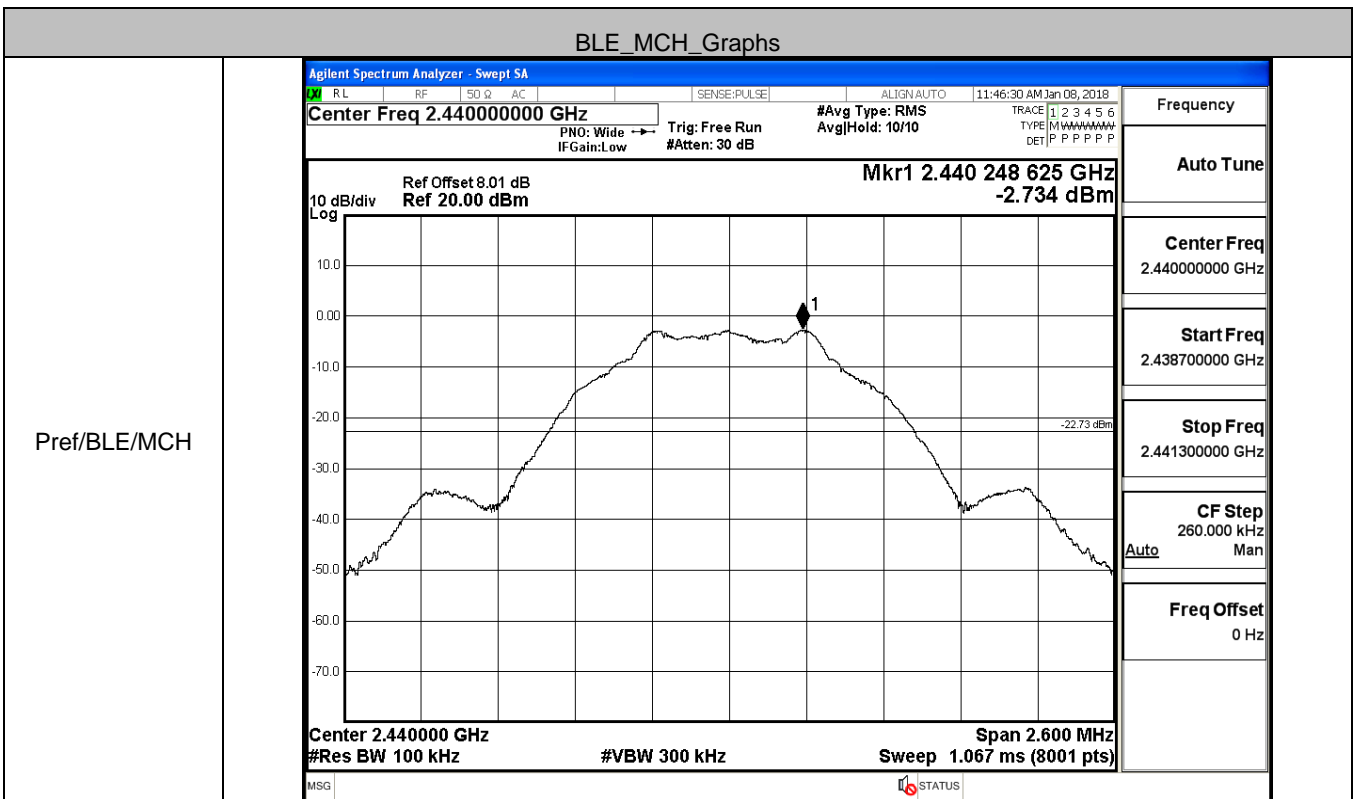
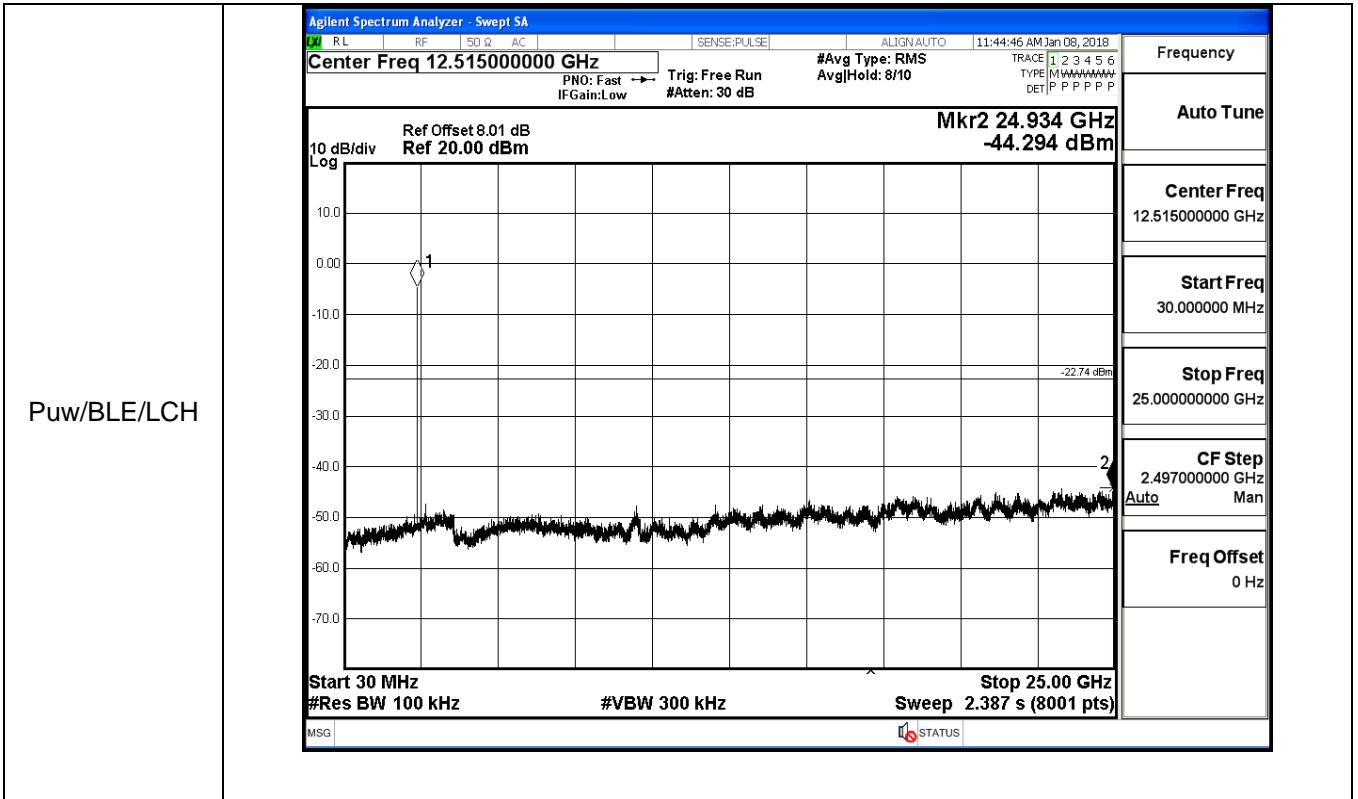
### Section D): RF Conducted Spurious Emissions

Result Table

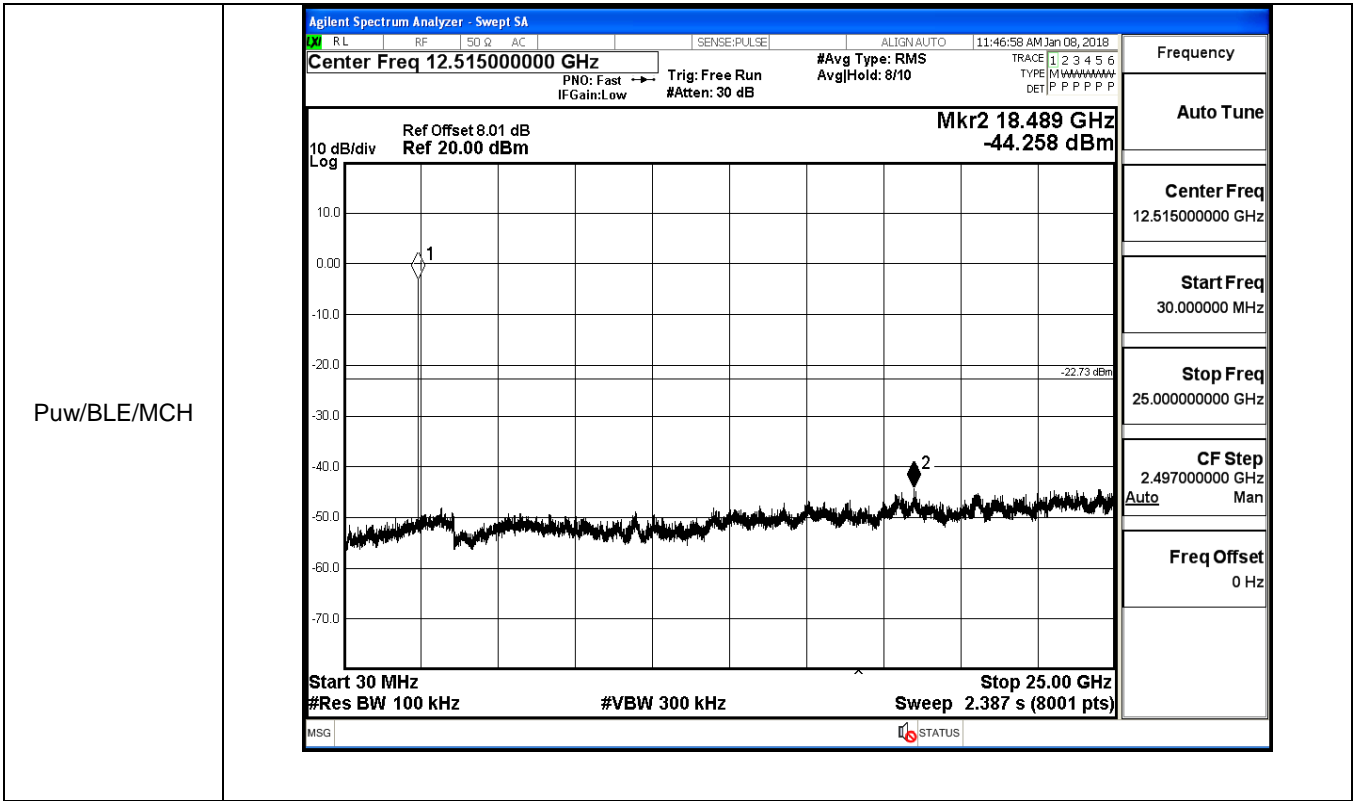
Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
BLE	LCH	-2.738	<Limit	PASS
BLE	MCH	-2.734	<Limit	PASS
BLE	HCH	-2.776	<Limit	PASS

Test Graphs

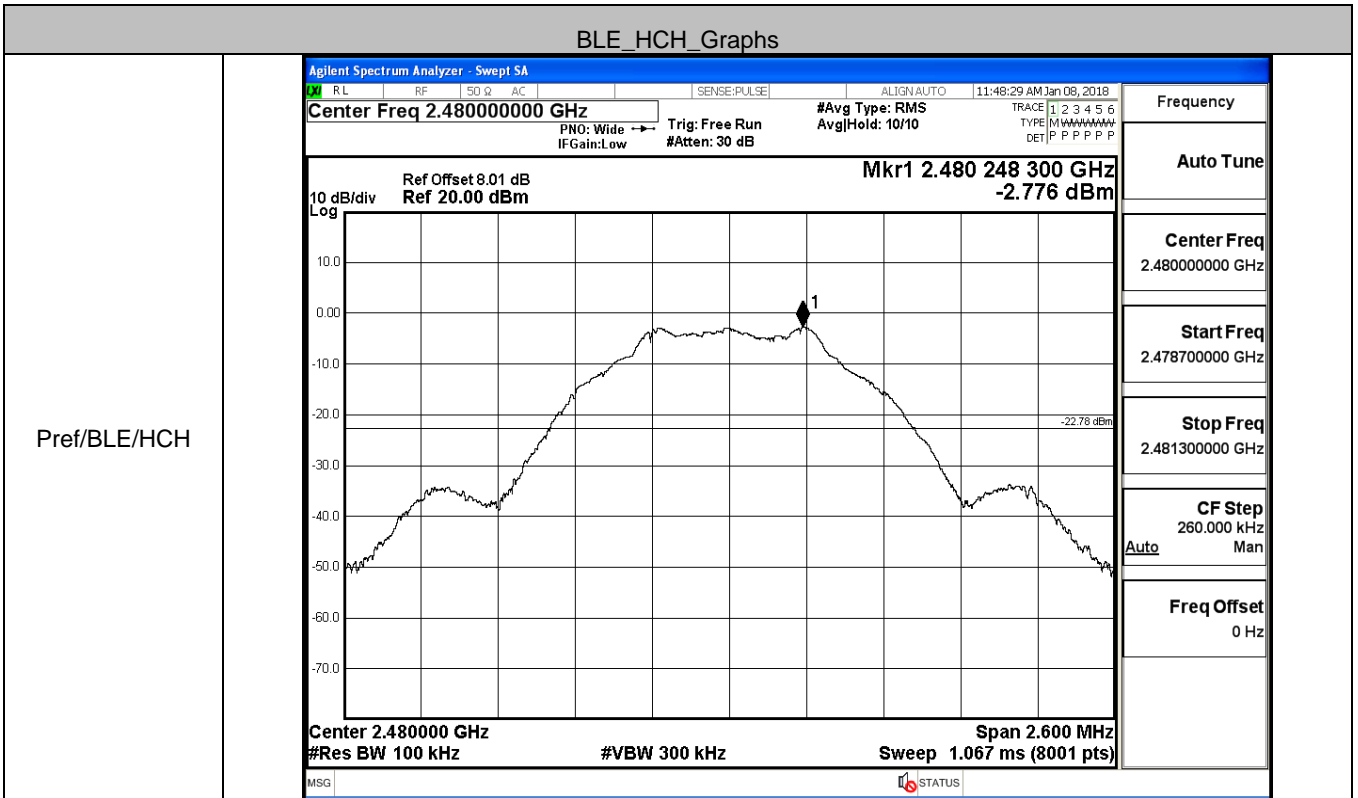


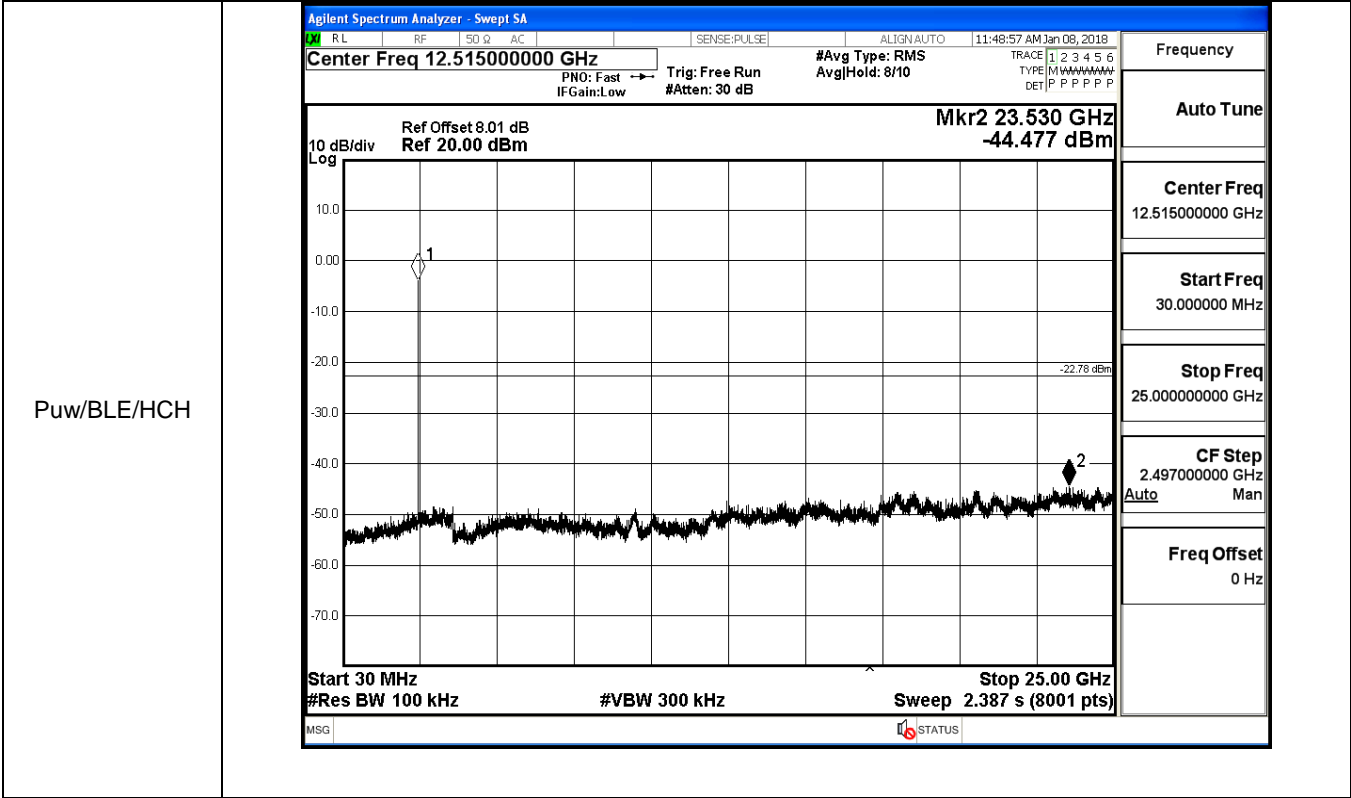






BLE\_HCH\_Graphs



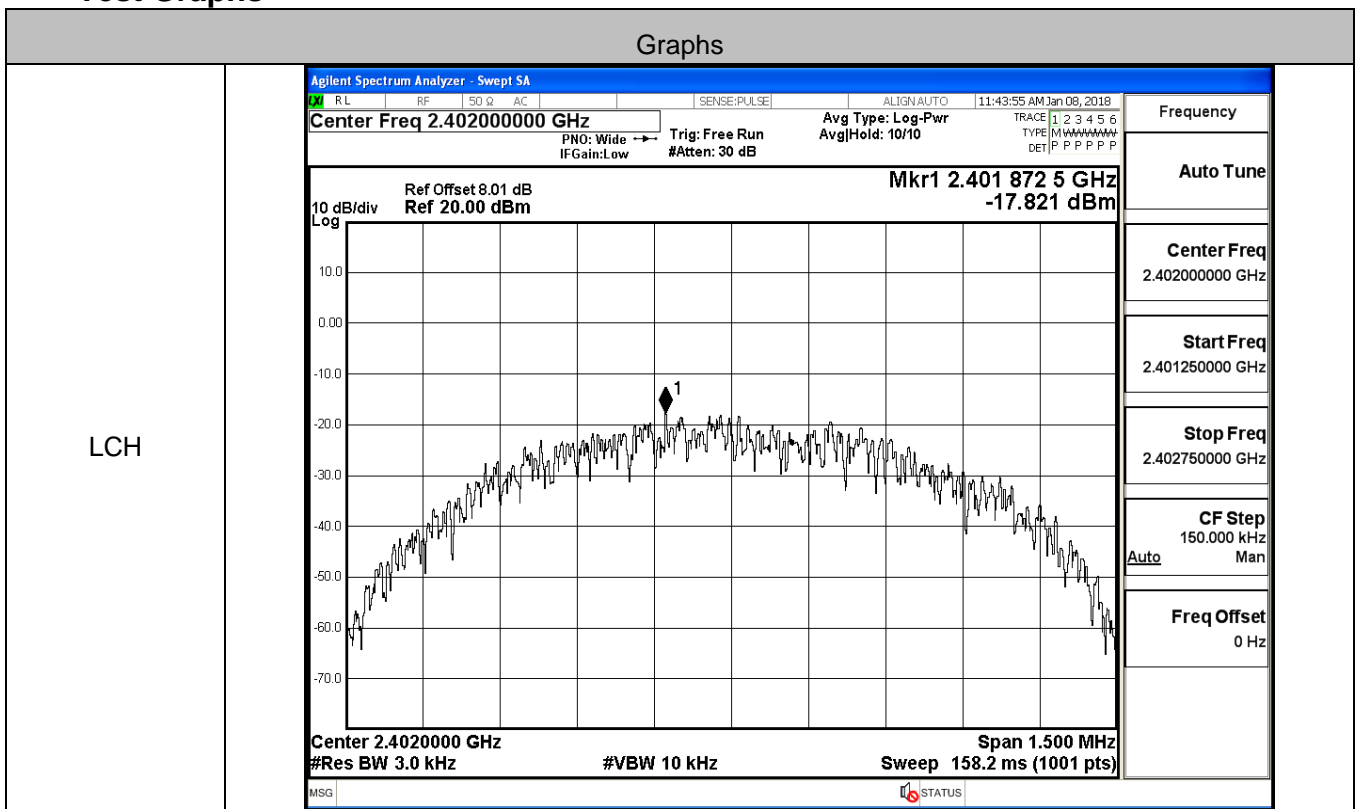


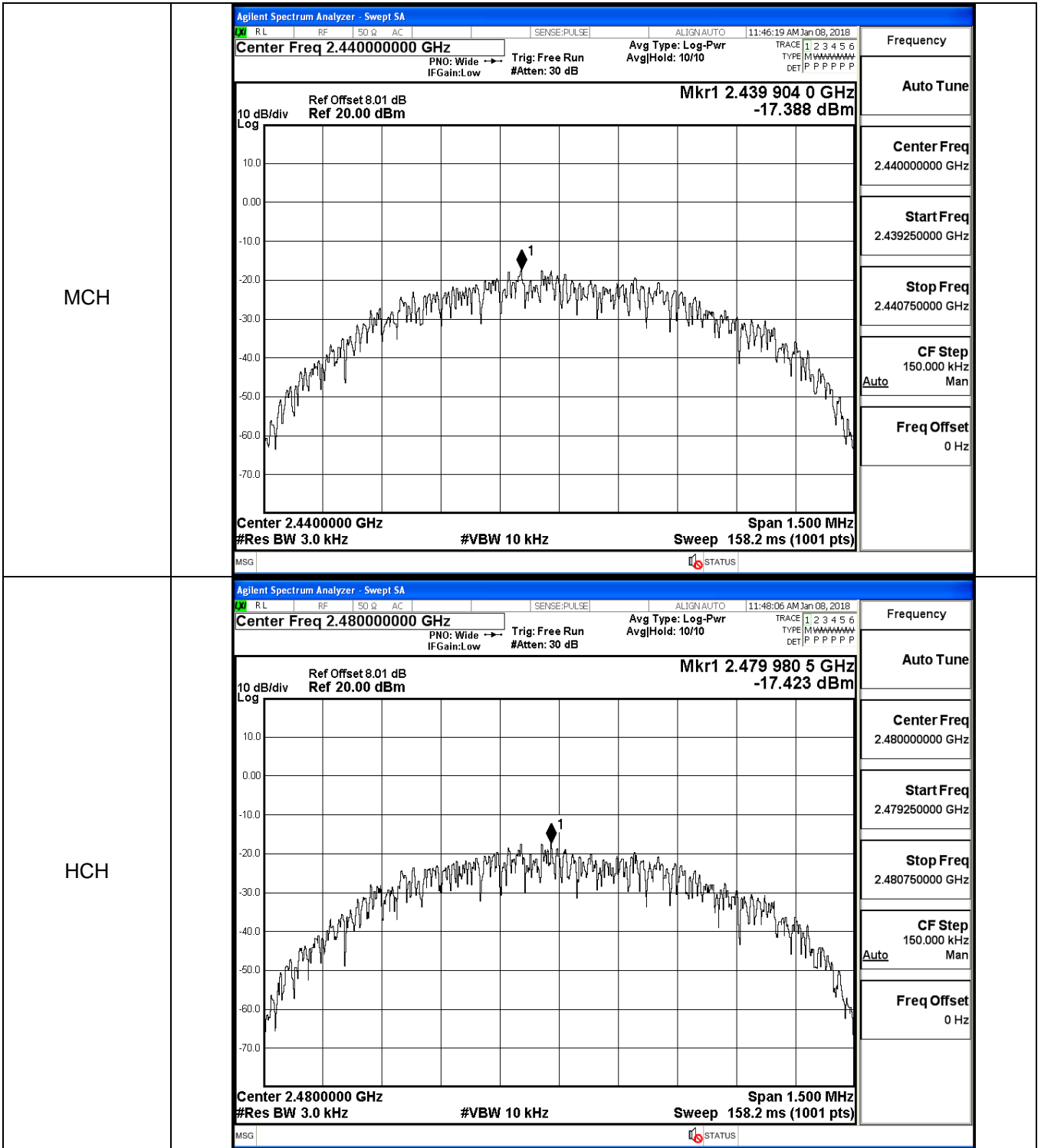
### Section E): Power Spectral Density

**Result Table**

Mode	Channel	PSD [dBm]	Verdict
BLE	LCH	-17.821	PASS
BLE	MCH	-17.388	PASS
BLE	HCH	-17.423	PASS

**Test Graphs**





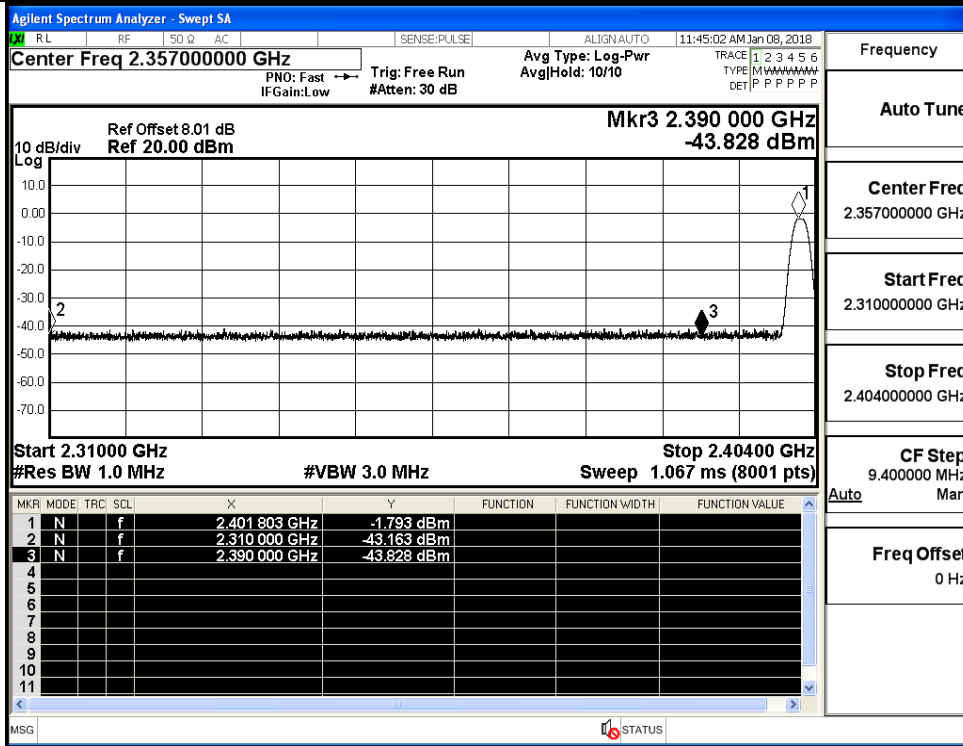
## Section F):Restrict-band band-edge measurements

### Result Table

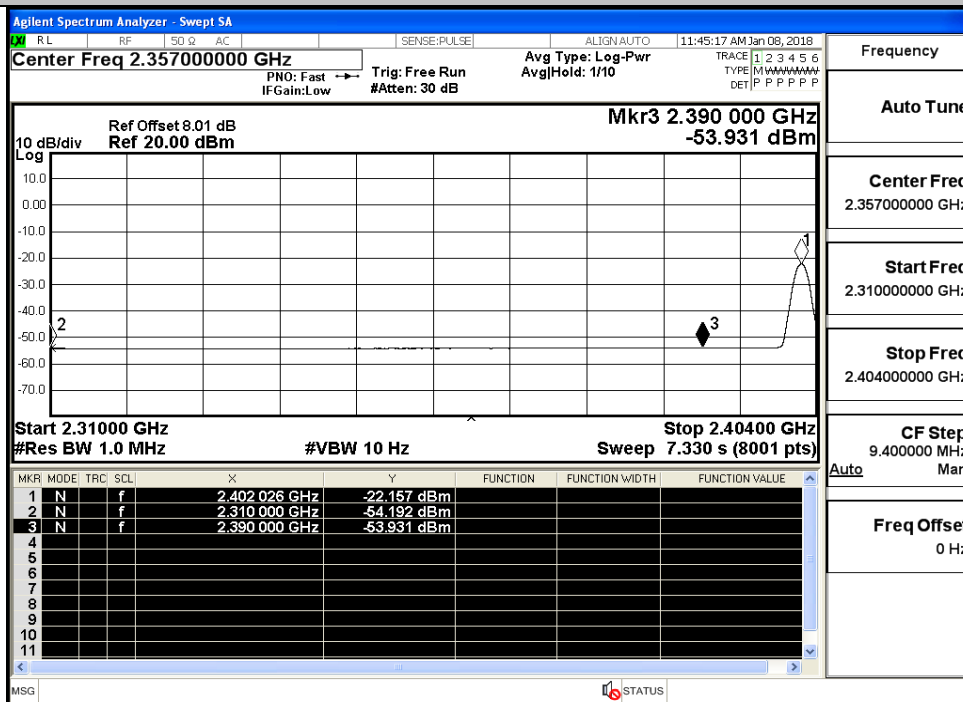
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verd
BLE	2402	Ant1	2310.0	-43.16	2	0	52.09	PEAK	74	PASS
BLE	2402	Ant1	2310.0	-54.19	2	0	41.07	AV	54	PASS
BLE	2402	Ant1	2390.0	-43.83	2	0	51.43	PEAK	74	PASS
BLE	2402	Ant1	2390.0	-53.93	2	0	41.33	AV	54	PASS
BLE	2480	Ant1	2483.5	-43.86	2	0	51.40	PEAK	74	PASS
BLE	2480	Ant1	2483.5	-53.75	2	0	41.50	AV	54	PASS
BLE	2480	Ant1	2500.0	-43.20	2	0	52.05	PEAK	74	PASS
BLE	2480	Ant1	2500.0	-53.62	2	0	41.64	AV	54	PASS

Test Graphs

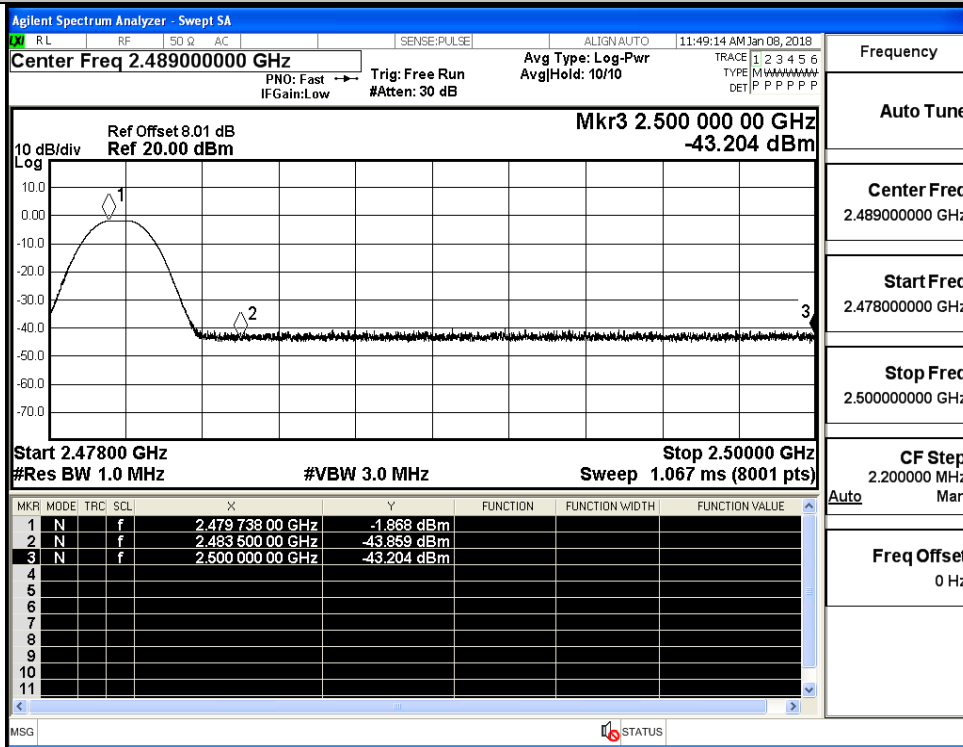
Restrict-band band-edge measurements\_BLE\_2402\_Ant1\_PEAK



Restrict-band band-edge measurements\_BLE\_2402\_Ant1\_AV



Restrict-band band-edge measurements\_BLE\_2480\_Ant1\_PEAK



Restrict-band band-edge measurements\_BLE\_2480\_Ant1\_AV

