

## Appendix B

### RF Test Data for BT V5.0 (BDR/EDR) (Conducted Measurement)

**Product Name: True Wireless Earbuds**

**Trade Mark: Energizer**

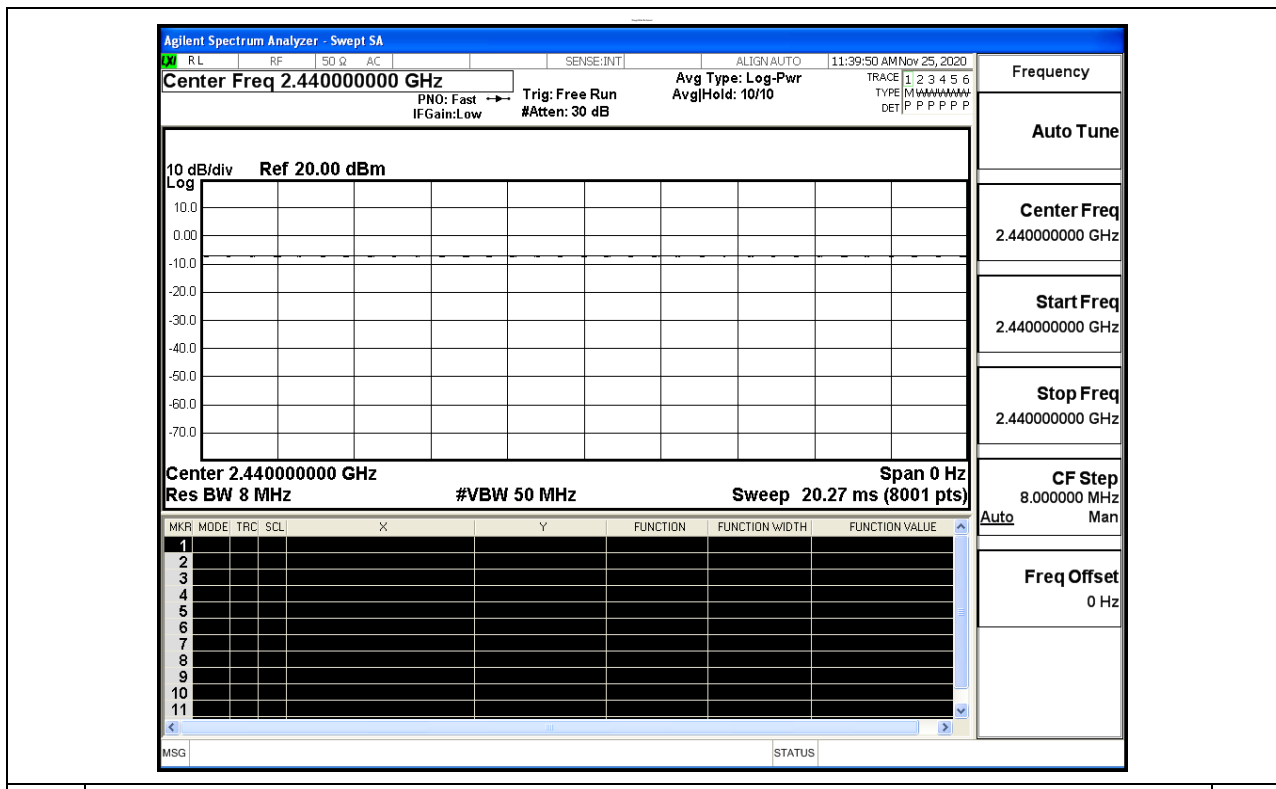
**Test Model: UB2605**

#### Environmental Conditions

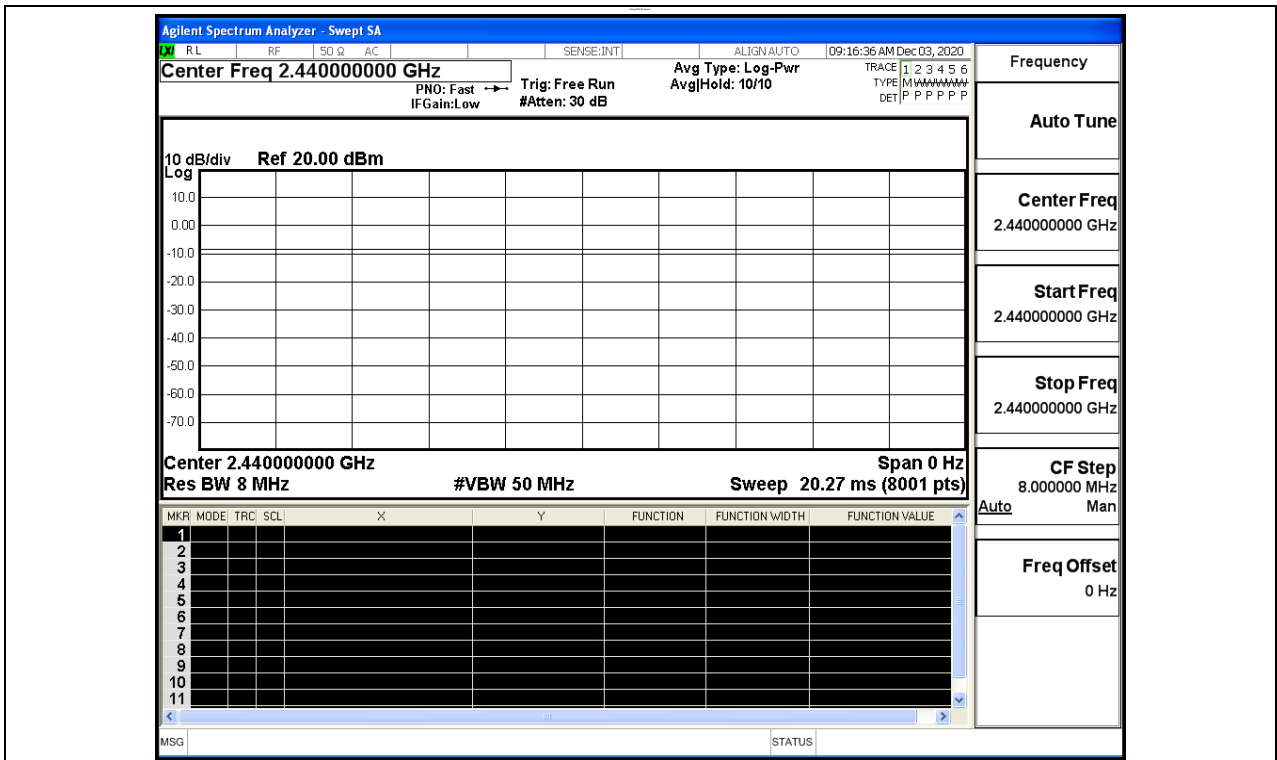
Temperature:	22.5° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

#### B.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS

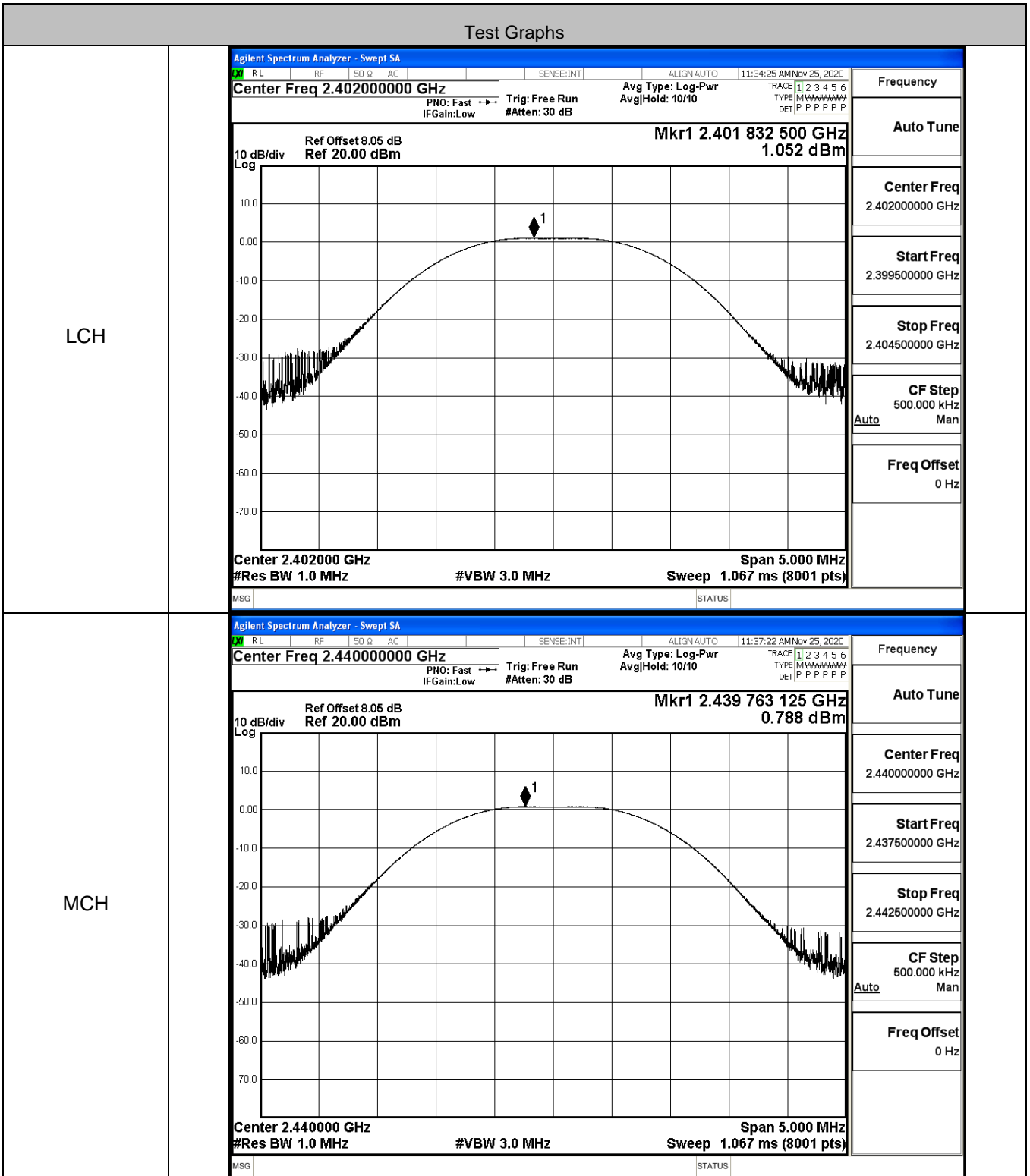


Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT 2LE	2440	Ant1	100	PASS

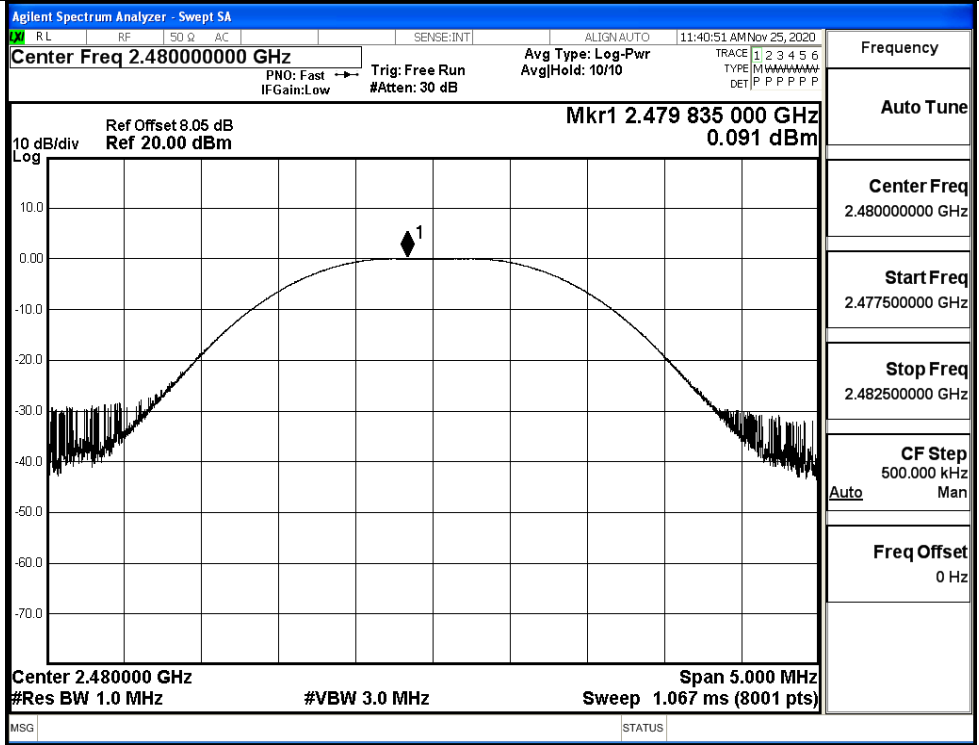


### B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.052	30	PASS
BT LE	MCH	0.788	30	PASS
BT LE	HCH	0.091	30	PASS



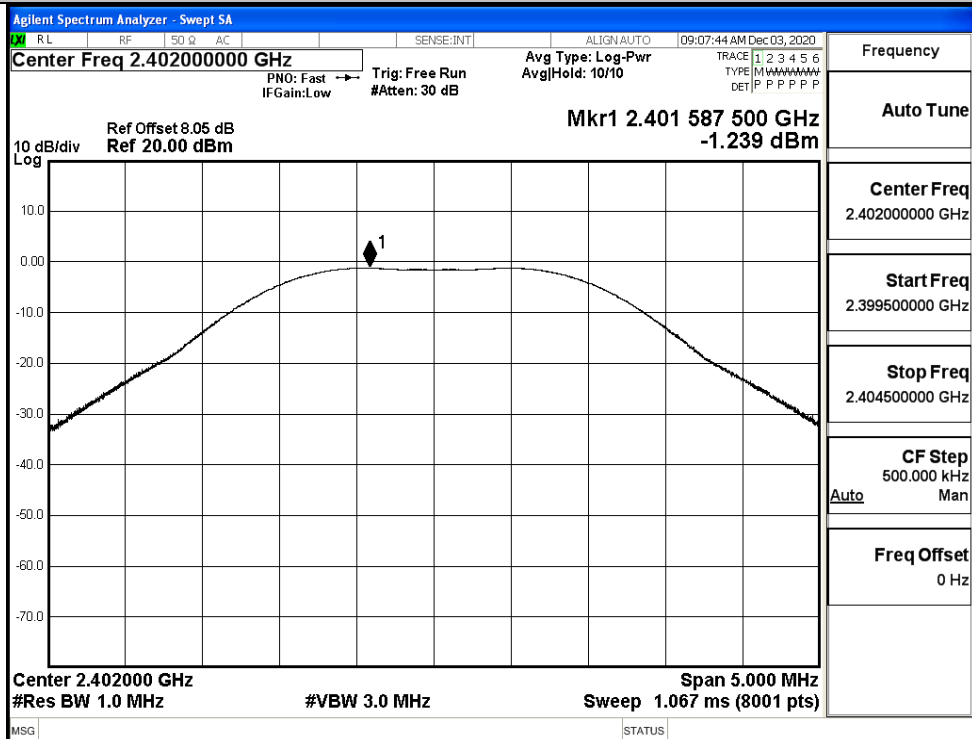
HCH



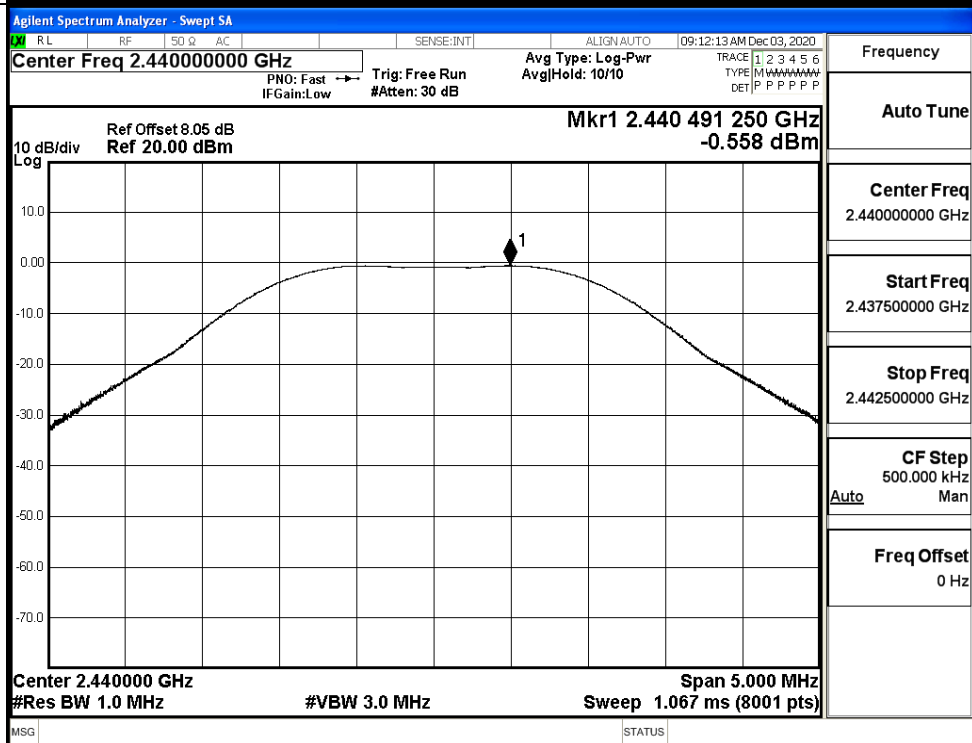
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-1.239	30	PASS
BT 2LE	MCH	-0.558	30	PASS
BT 2LE	HCH	-0.113	30	PASS

Test Graphs

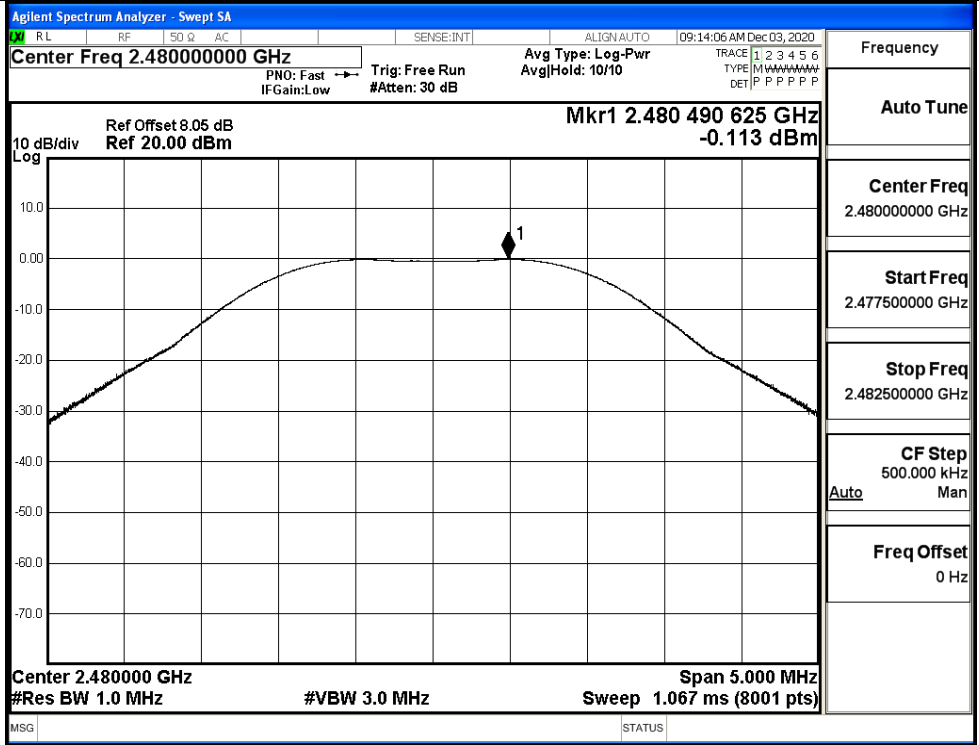
LCH



MCH



HCH

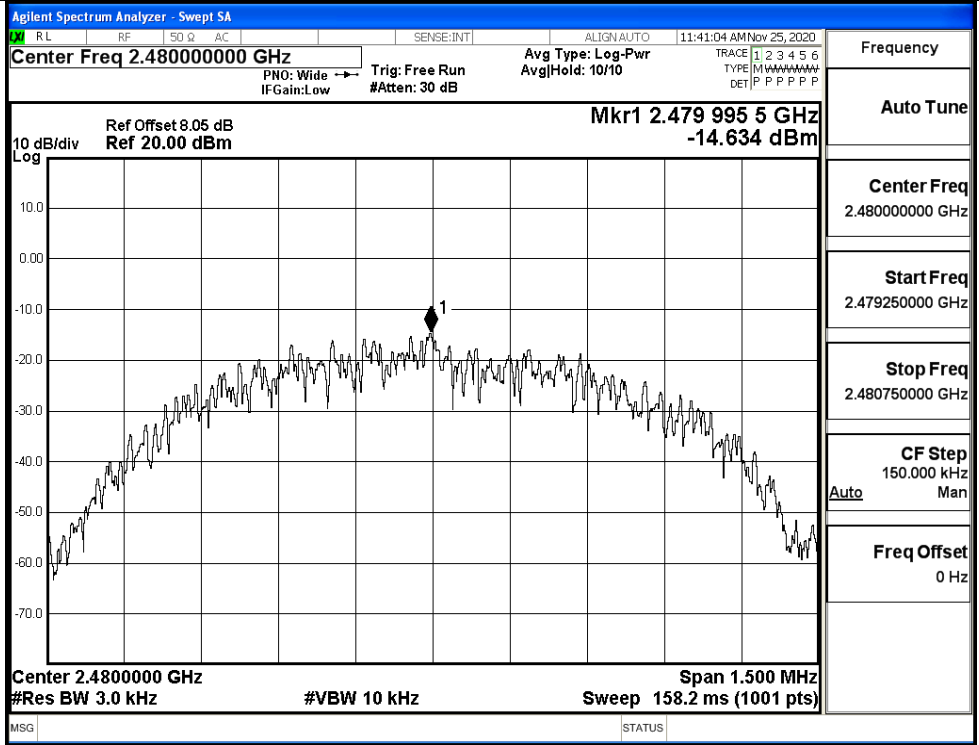


### B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.729	8	PASS
BT LE	MCH	-13.614	8	PASS
BT LE	HCH	-14.634	8	PASS

Test Graphs								
LCH	<div style="border: 1px solid black; padding: 5px;"> <p style="font-size: small; margin: 0;">Agilent Spectrum Analyzer - Swept SA</p> <p style="font-size: x-small; margin: 0;">RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:34:39 AM Nov 25, 2020</p> <p style="font-size: small; margin: 0;">Center Freq 2.40200000 GHz Avg Type: Log-Pwr TRACE 1 2 3 4 5 6</p> <p style="font-size: x-small; margin: 0;">PNO: Wide → Trig: Free Run AvgHold: 10/10 TYPE M W W W W W W W</p> <p style="font-size: x-small; margin: 0;">IFGain: Low #Atten: 30 dB DET P P P P P P P</p> <div style="display: flex; justify-content: space-between; font-size: small;"> <div>Ref Offset 8.05 dB Ref 20.00 dBm</div> <div>Mkr1 2.401 997 0 GHz -13.729 dBm</div> </div> <div style="display: flex; justify-content: space-between; font-size: small; margin-top: 5px;"> <div>Center 2.4020000 GHz #Res BW 3.0 kHz</div> <div>#VBW 10 kHz</div> <div>Span 1.500 MHz Sweep 158.2 ms (1001 pts)</div> </div> <p style="font-size: x-small; margin: 0;">MSG STATUS</p> </div> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr><td>Frequency</td></tr> <tr><td>Auto Tune</td></tr> <tr><td>Center Freq 2.402000000 GHz</td></tr> <tr><td>Start Freq 2.401250000 GHz</td></tr> <tr><td>Stop Freq 2.402750000 GHz</td></tr> <tr><td>CF Step 150.000 kHz Auto Man</td></tr> <tr><td>Freq Offset 0 Hz</td></tr> </table>	Frequency	Auto Tune	Center Freq 2.402000000 GHz	Start Freq 2.401250000 GHz	Stop Freq 2.402750000 GHz	CF Step 150.000 kHz Auto Man	Freq Offset 0 Hz
Frequency								
Auto Tune								
Center Freq 2.402000000 GHz								
Start Freq 2.401250000 GHz								
Stop Freq 2.402750000 GHz								
CF Step 150.000 kHz Auto Man								
Freq Offset 0 Hz								
MCH	<div style="border: 1px solid black; padding: 5px;"> <p style="font-size: small; margin: 0;">Agilent Spectrum Analyzer - Swept SA</p> <p style="font-size: x-small; margin: 0;">RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:37:35 AM Nov 25, 2020</p> <p style="font-size: small; margin: 0;">Center Freq 2.440000000 GHz Avg Type: Log-Pwr TRACE 1 2 3 4 5 6</p> <p style="font-size: x-small; margin: 0;">PNO: Wide → Trig: Free Run AvgHold: 10/10 TYPE M W W W W W W W</p> <p style="font-size: x-small; margin: 0;">IFGain: Low #Atten: 30 dB DET P P P P P P P</p> <div style="display: flex; justify-content: space-between; font-size: small;"> <div>Ref Offset 8.05 dB Ref 20.00 dBm</div> <div>Mkr1 2.439 995 5 GHz -13.614 dBm</div> </div> <div style="display: flex; justify-content: space-between; font-size: small; margin-top: 5px;"> <div>Center 2.4400000 GHz #Res BW 3.0 kHz</div> <div>#VBW 10 kHz</div> <div>Span 1.500 MHz Sweep 158.2 ms (1001 pts)</div> </div> <p style="font-size: x-small; margin: 0;">MSG STATUS</p> </div> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr><td>Frequency</td></tr> <tr><td>Auto Tune</td></tr> <tr><td>Center Freq 2.440000000 GHz</td></tr> <tr><td>Start Freq 2.439250000 GHz</td></tr> <tr><td>Stop Freq 2.440750000 GHz</td></tr> <tr><td>CF Step 150.000 kHz Auto Man</td></tr> <tr><td>Freq Offset 0 Hz</td></tr> </table>	Frequency	Auto Tune	Center Freq 2.440000000 GHz	Start Freq 2.439250000 GHz	Stop Freq 2.440750000 GHz	CF Step 150.000 kHz Auto Man	Freq Offset 0 Hz
Frequency								
Auto Tune								
Center Freq 2.440000000 GHz								
Start Freq 2.439250000 GHz								
Stop Freq 2.440750000 GHz								
CF Step 150.000 kHz Auto Man								
Freq Offset 0 Hz								

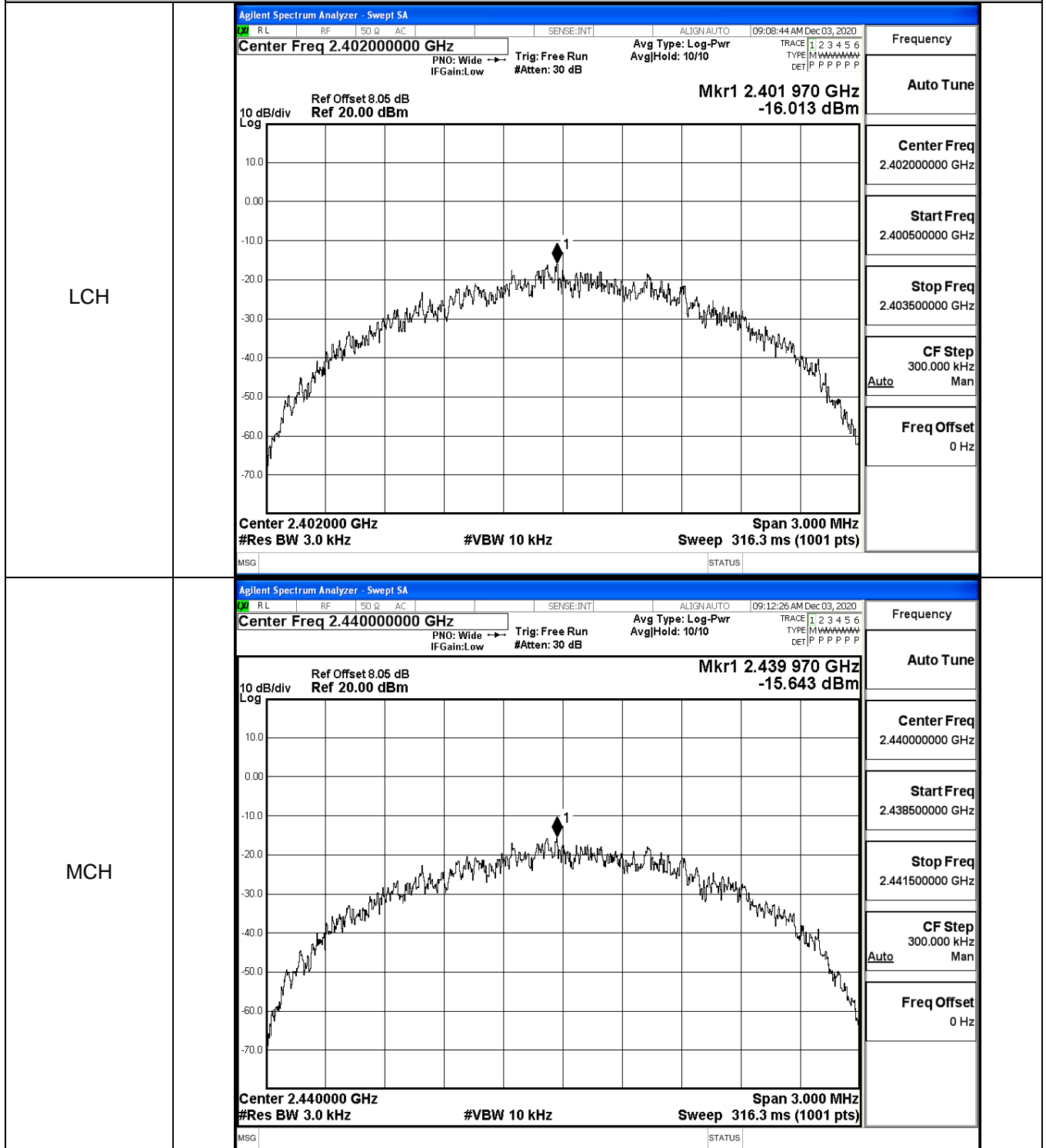
HCH





Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT 2LE	LCH	-16.013	8	PASS
BT 2LE	MCH	-15.643	8	PASS
BT 2LE	HCH	-15.233	8	PASS

Test Graphs

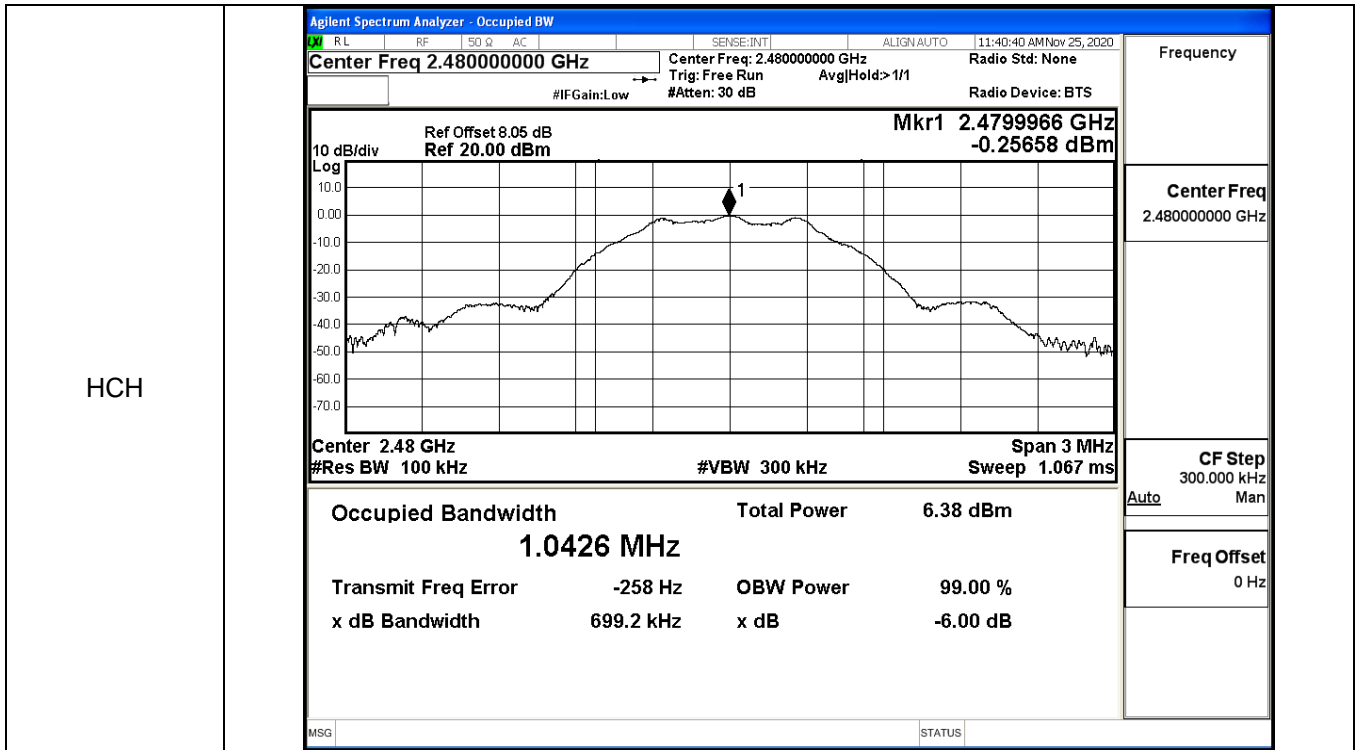




**B.4 6dB Bandwidth**

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6878	≥0.5	PASS
BT LE	MCH	0.6966	≥0.5	PASS
BT LE	HCH	0.6992	≥0.5	PASS

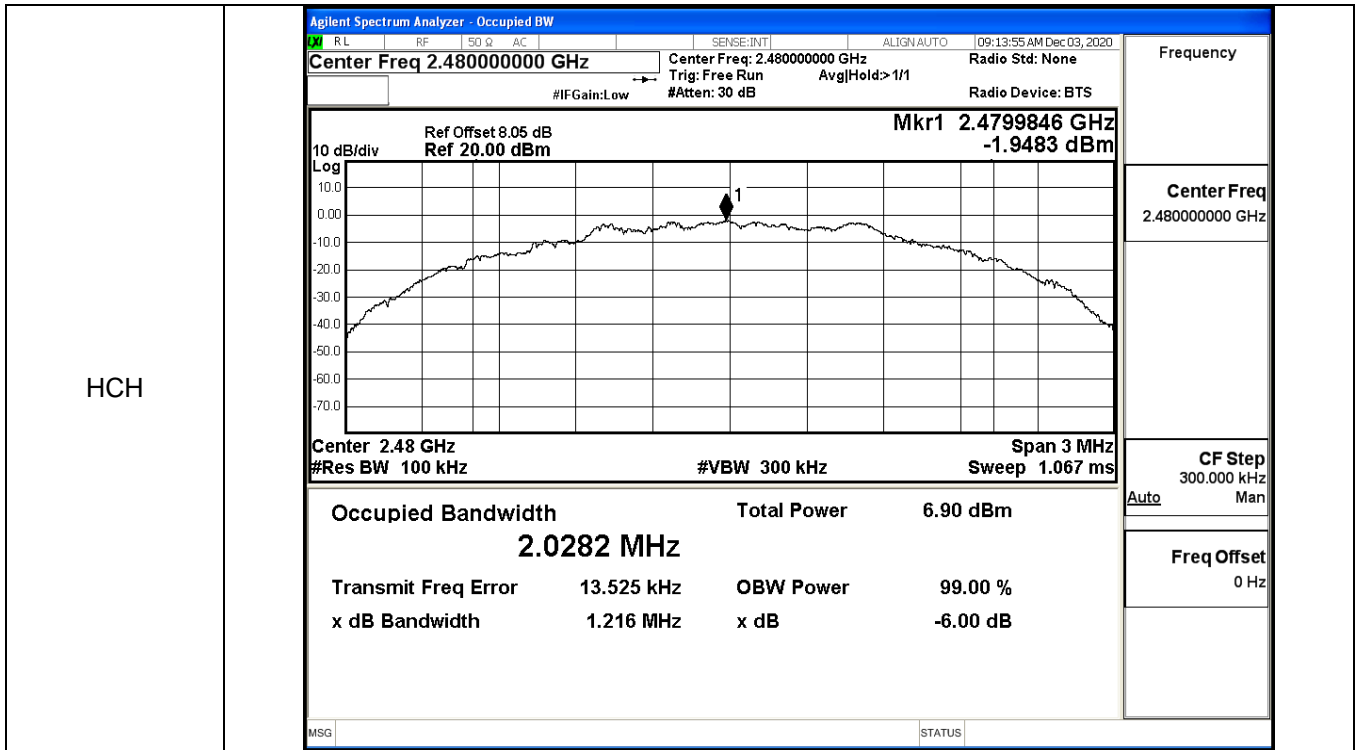
Test Graphs																	
LCH	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">Agilent Spectrum Analyzer - Occupied BW</p> <p style="font-size: small; margin: 0;">RL RF 50 Ω AC SENSE:INT ALIGN:AUTO 11:34:14 AM Nov 25, 2020</p> <p style="margin: 0;">Center Freq: 2.402000000 GHz Center Freq: 2.402000000 GHz Radio Std: None                      Trig: Free Run AvgHold: 1/1                      #IFGain: Low #Atten: 30 dB Radio Device: BTS</p> <div style="display: flex; justify-content: space-between;"> <div style="font-size: x-small;">                         10 dB/div                          Log                          Ref Offset 8.05 dB                          Ref 20.00 dBm                     </div> <div style="text-align: right;">                         Mkr1 2.4019966 GHz                          0.92849 dBm                     </div> </div> <div style="display: flex; justify-content: space-between; font-size: x-small;"> <div>Center 2.402 GHz #Res BW 100 kHz</div> <div>#VBW 300 kHz</div> <div>Span 3 MHz Sweep 1.067 ms</div> </div> <table style="width: 100%; font-size: x-small; margin-top: 5px;"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td colspan="2">7.45 dBm</td> </tr> <tr> <td colspan="4" style="text-align: center;"><b>1.0409 MHz</b></td> </tr> <tr> <td>Transmit Freq Error</td> <td>-1.264 kHz</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>687.8 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table> <p style="font-size: x-small; margin-top: 5px;">MSG STATUS</p> </div>	Occupied Bandwidth	Total Power	7.45 dBm		<b>1.0409 MHz</b>				Transmit Freq Error	-1.264 kHz	OBW Power	99.00 %	x dB Bandwidth	687.8 kHz	x dB	-6.00 dB
Occupied Bandwidth	Total Power	7.45 dBm															
<b>1.0409 MHz</b>																	
Transmit Freq Error	-1.264 kHz	OBW Power	99.00 %														
x dB Bandwidth	687.8 kHz	x dB	-6.00 dB														
MCH	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">Agilent Spectrum Analyzer - Occupied BW</p> <p style="font-size: small; margin: 0;">RL RF 50 Ω AC SENSE:INT ALIGN:AUTO 11:37:10 AM Nov 25, 2020</p> <p style="margin: 0;">Center Freq: 2.440000000 GHz Center Freq: 2.440000000 GHz Radio Std: None                      Trig: Free Run AvgHold: &gt;1/1                      #IFGain: Low #Atten: 30 dB Radio Device: BTS</p> <div style="display: flex; justify-content: space-between;"> <div style="font-size: x-small;">                         10 dB/div                          Log                          Ref Offset 8.05 dB                          Ref 20.00 dBm                     </div> <div style="text-align: right;">                         Mkr1 2.4399989 GHz                          0.59526 dBm                     </div> </div> <div style="display: flex; justify-content: space-between; font-size: x-small;"> <div>Center 2.44 GHz #Res BW 100 kHz</div> <div>#VBW 300 kHz</div> <div>Span 3 MHz Sweep 1.067 ms</div> </div> <table style="width: 100%; font-size: x-small; margin-top: 5px;"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td colspan="2">7.18 dBm</td> </tr> <tr> <td colspan="4" style="text-align: center;"><b>1.0402 MHz</b></td> </tr> <tr> <td>Transmit Freq Error</td> <td>1.118 kHz</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>696.6 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table> <p style="font-size: x-small; margin-top: 5px;">MSG STATUS</p> </div>	Occupied Bandwidth	Total Power	7.18 dBm		<b>1.0402 MHz</b>				Transmit Freq Error	1.118 kHz	OBW Power	99.00 %	x dB Bandwidth	696.6 kHz	x dB	-6.00 dB
Occupied Bandwidth	Total Power	7.18 dBm															
<b>1.0402 MHz</b>																	
Transmit Freq Error	1.118 kHz	OBW Power	99.00 %														
x dB Bandwidth	696.6 kHz	x dB	-6.00 dB														



Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT 2LE	LCH	1.210	≥0.5	PASS
BT 2LE	MCH	1.219	≥0.5	PASS
BT 2LE	HCH	1.216	≥0.5	PASS

Test Graphs

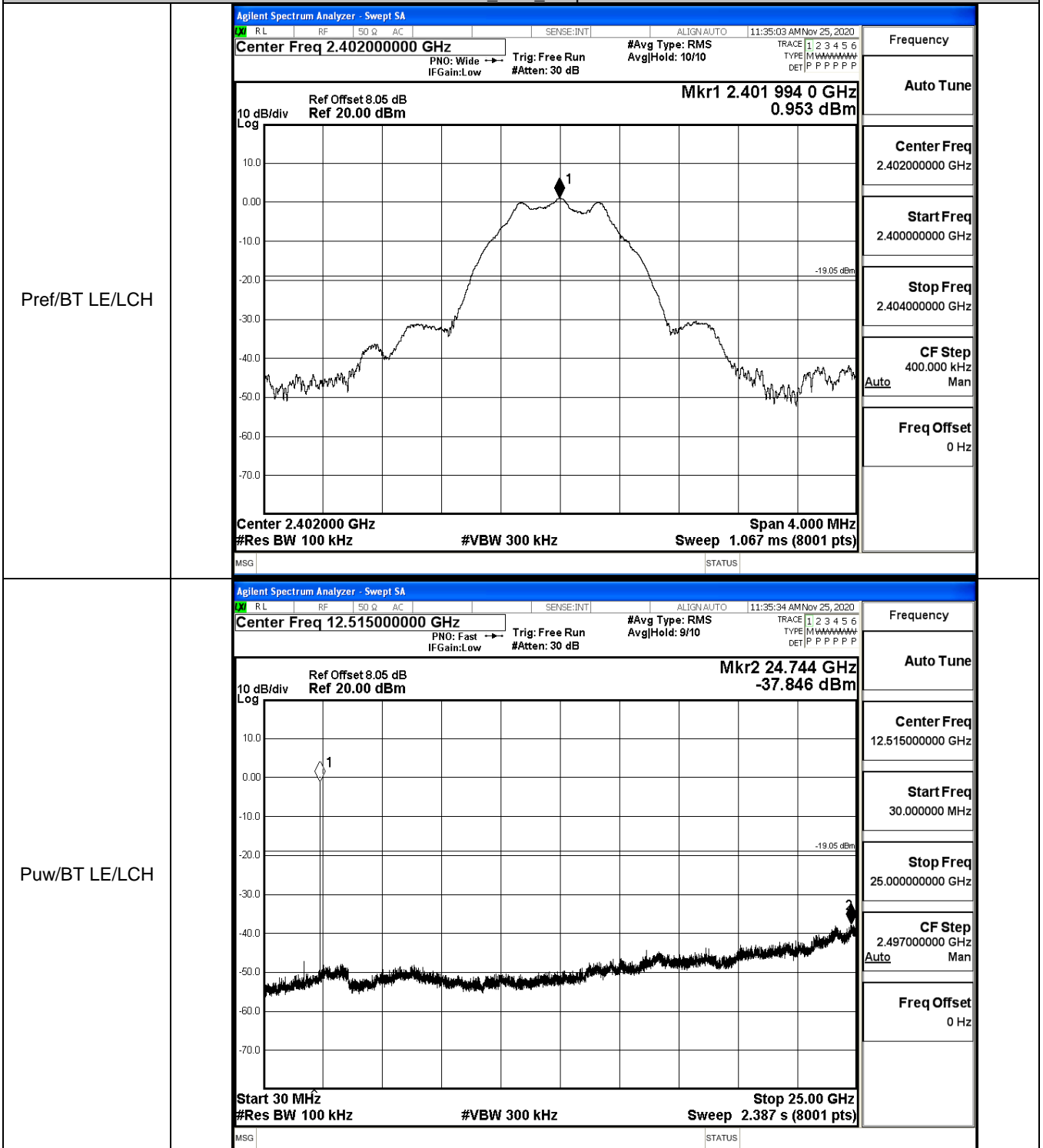
LCH	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.40200000 GHz</p> <p>Center Freq: 2.40200000 GHz Trig: Free Run #IFGain:Low #Atten: 30 dB AvgHold&gt; 1/1</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Log Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr1 2.4019914 GHz -2.9577 dBm</p> <p>Center 2.402 GHz #Res BW 100 kHz #VBW 300 kHz Span 3 MHz Sweep 1.067 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>6.23 dBm</td> </tr> <tr> <td><b>2.0218 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>9.872 kHz</td> <td>OBW Power</td> </tr> <tr> <td>x dB Bandwidth</td> <td>1.210 MHz</td> <td>x dB</td> </tr> <tr> <td></td> <td></td> <td>-6.00 dB</td> </tr> </table> <p>Frequency: 2.40200000 GHz</p> <p>Center Freq: 2.40200000 GHz</p> <p>CF Step: 300.000 kHz Auto Man</p> <p>Freq Offset: 0 Hz</p>	Occupied Bandwidth	Total Power	6.23 dBm	<b>2.0218 MHz</b>			Transmit Freq Error	9.872 kHz	OBW Power	x dB Bandwidth	1.210 MHz	x dB			-6.00 dB
	Occupied Bandwidth	Total Power	6.23 dBm													
<b>2.0218 MHz</b>																
Transmit Freq Error	9.872 kHz	OBW Power														
x dB Bandwidth	1.210 MHz	x dB														
		-6.00 dB														
MCH	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.44000000 GHz</p> <p>Center Freq: 2.44000000 GHz Trig: Free Run #IFGain:Low #Atten: 30 dB AvgHold&gt; 1/1</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Log Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr1 2.4399794 GHz -2.4256 dBm</p> <p>Center 2.44 GHz #Res BW 100 kHz #VBW 300 kHz Span 3 MHz Sweep 1.067 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>6.47 dBm</td> </tr> <tr> <td><b>2.0235 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>12.531 kHz</td> <td>OBW Power</td> </tr> <tr> <td>x dB Bandwidth</td> <td>1.219 MHz</td> <td>x dB</td> </tr> <tr> <td></td> <td></td> <td>-6.00 dB</td> </tr> </table> <p>Frequency: 2.44000000 GHz</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	6.47 dBm	<b>2.0235 MHz</b>			Transmit Freq Error	12.531 kHz	OBW Power	x dB Bandwidth	1.219 MHz	x dB			-6.00 dB
	Occupied Bandwidth	Total Power	6.47 dBm													
<b>2.0235 MHz</b>																
Transmit Freq Error	12.531 kHz	OBW Power														
x dB Bandwidth	1.219 MHz	x dB														
		-6.00 dB														



### B.5 RF Conducted Spurious Emissions

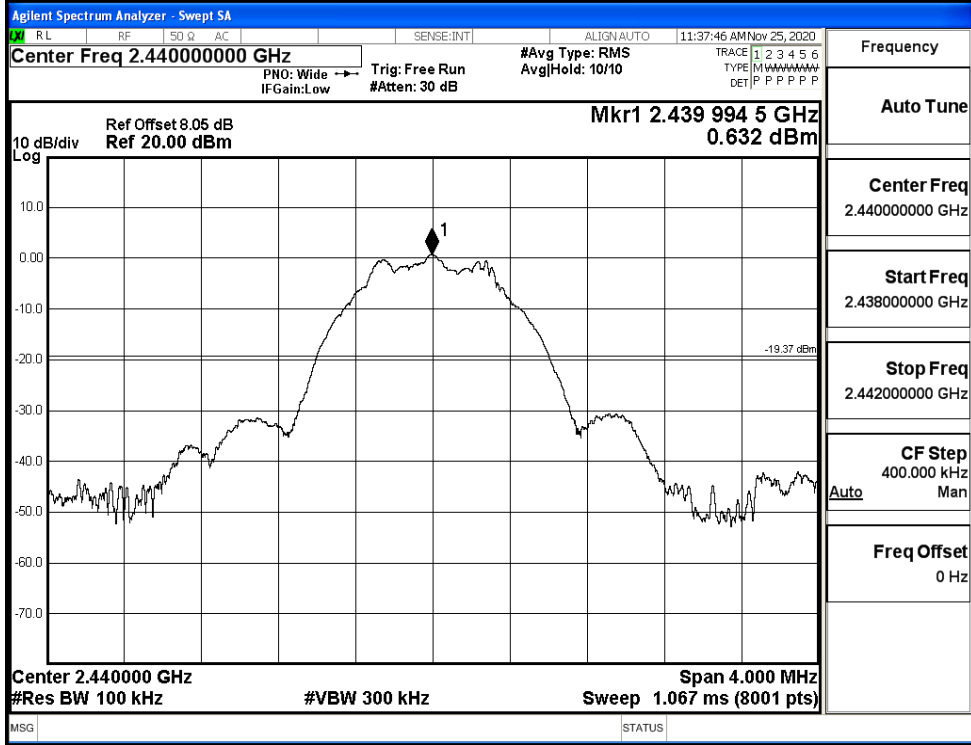
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.953	-37.846	-19.047	PASS
BT LE	MCH	0.632	-37.523	-19.368	PASS
BT LE	HCH	-0.235	-37.077	-20.235	PASS

BT LE\_LCH\_Graphs

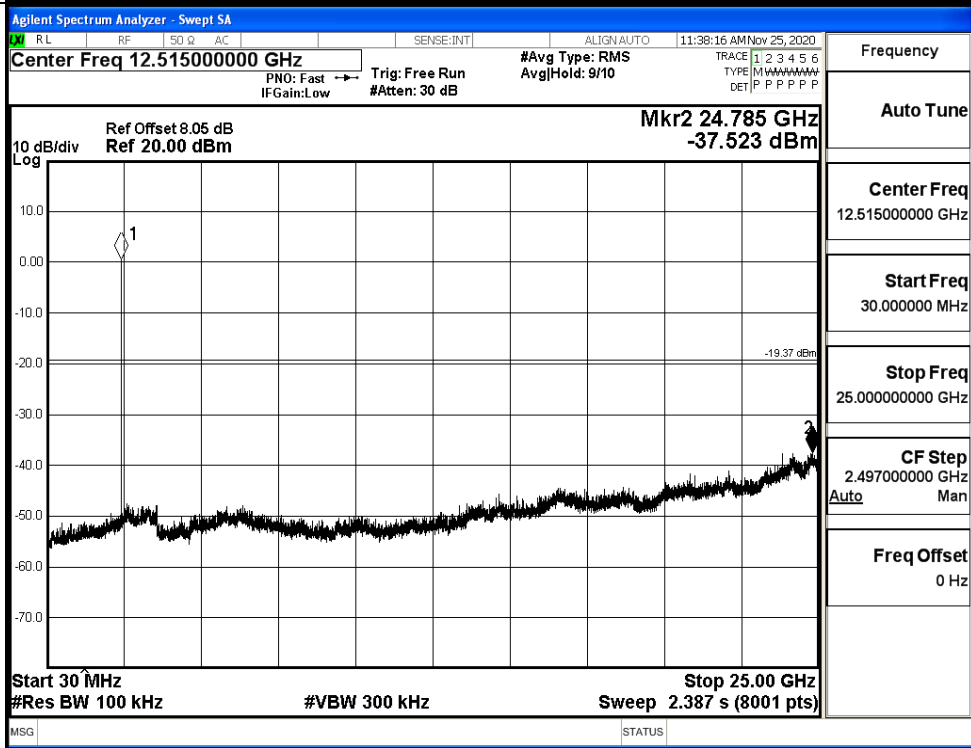


BT LE\_MCH\_Graphs

Pref/BT LE/MCH



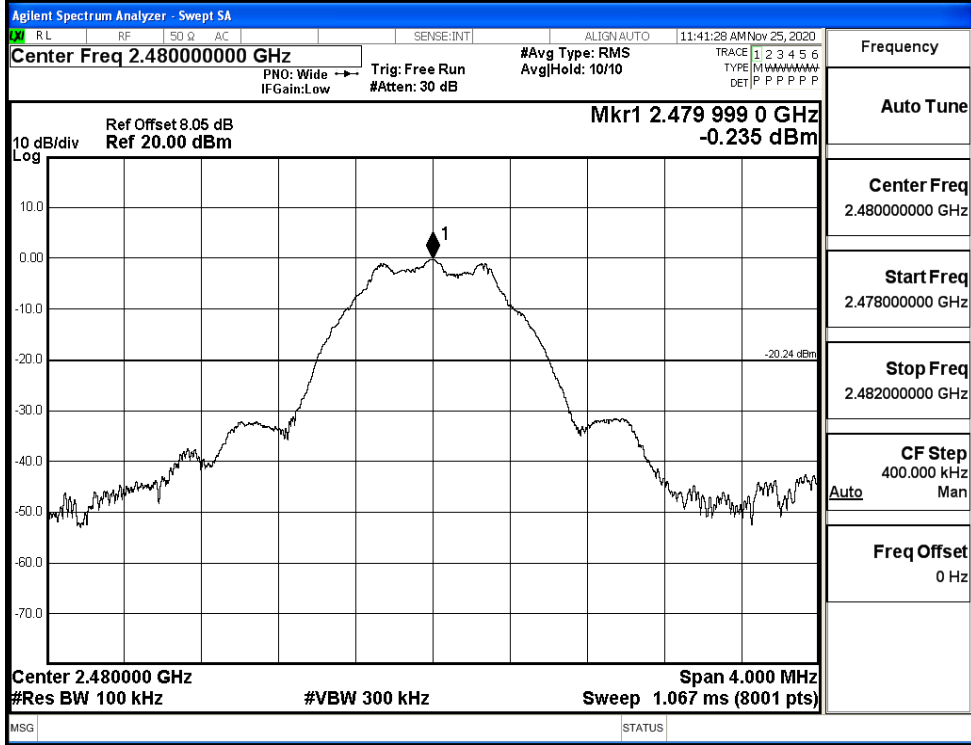
Puw/BT LE/MCH



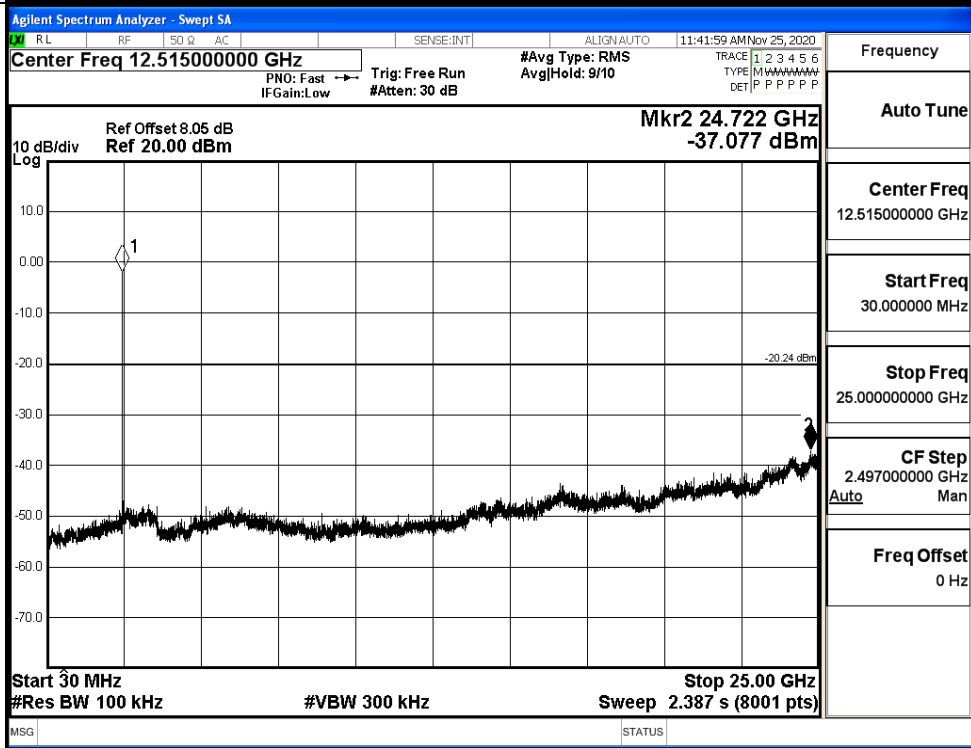


BT LE\_HCH\_Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH



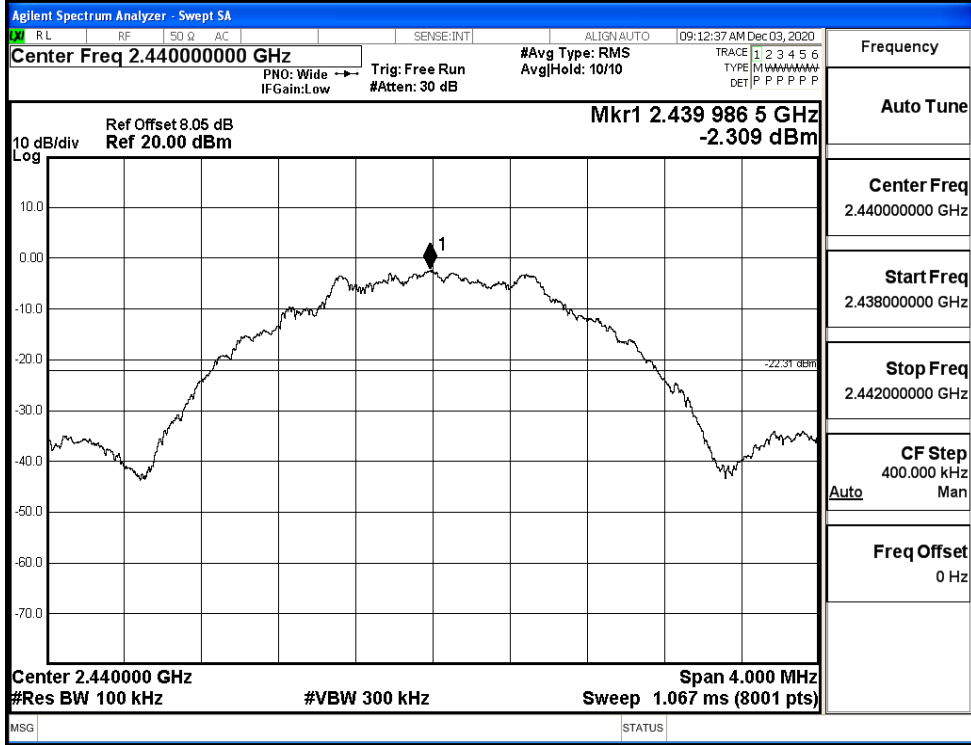
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-3.062	-29.508	-23.062	PASS
BT 2LE	MCH	-2.309	-30.481	-22.309	PASS
BT 2LE	HCH	-1.997	-34.373	-21.997	PASS

BT LE\_LCH\_Graphs

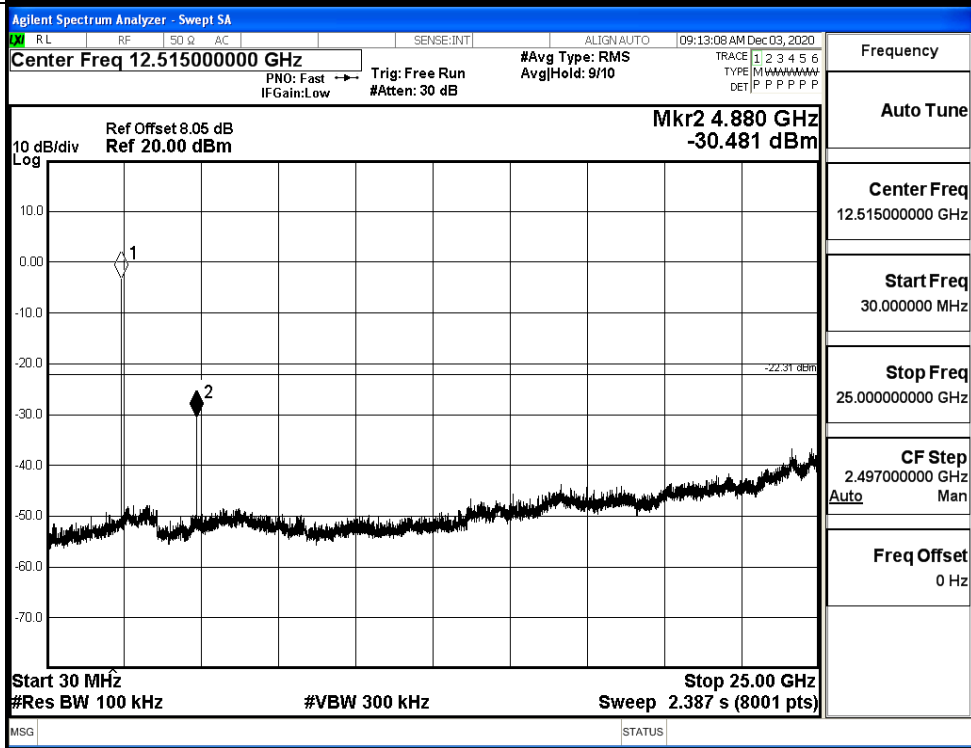
<p>Pref/BT LE/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.40200000 GHz          PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB          #Avg Type: RMS AvgHold: 10/10          Ref Offset 8.05 dB Ref 20.00 dBm          Mkr1 2.4019975 GHz -3.062 dBm          10 dB/div Log          Center 2.402000 GHz #Res BW 100 kHz #VBW 300 kHz Span 4.000 MHz Sweep 1.067 ms (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.402000000 GHz</p> <p>Start Freq 2.400000000 GHz</p> <p>Stop Freq 2.404000000 GHz</p> <p>CF Step 400.000 kHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/BT LE/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 12.515000000 GHz          PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB          #Avg Type: RMS AvgHold: 9/10          Ref Offset 8.05 dB Ref 20.00 dBm          Mkr2 4.802 GHz -29.508 dBm          10 dB/div Log          Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 25.00 GHz Sweep 2.387 s (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 12.515000000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 25.000000000 GHz</p> <p>CF Step 2.497000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>

BT LE\_MCH\_Graphs

Pref/BT LE/MCH

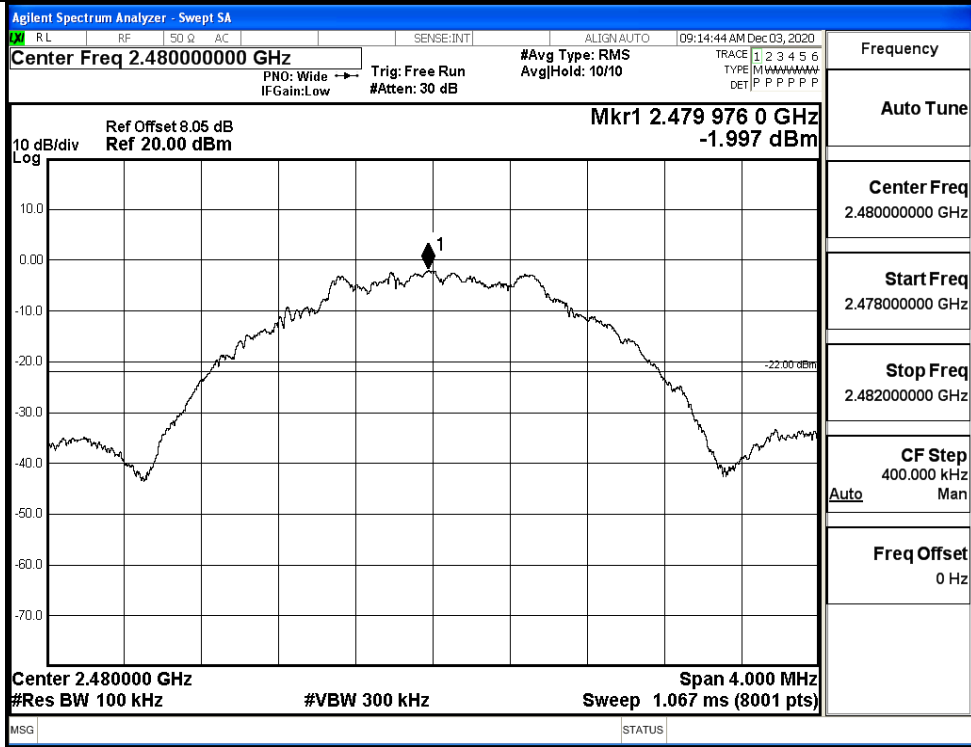


Puw/BT LE/MCH

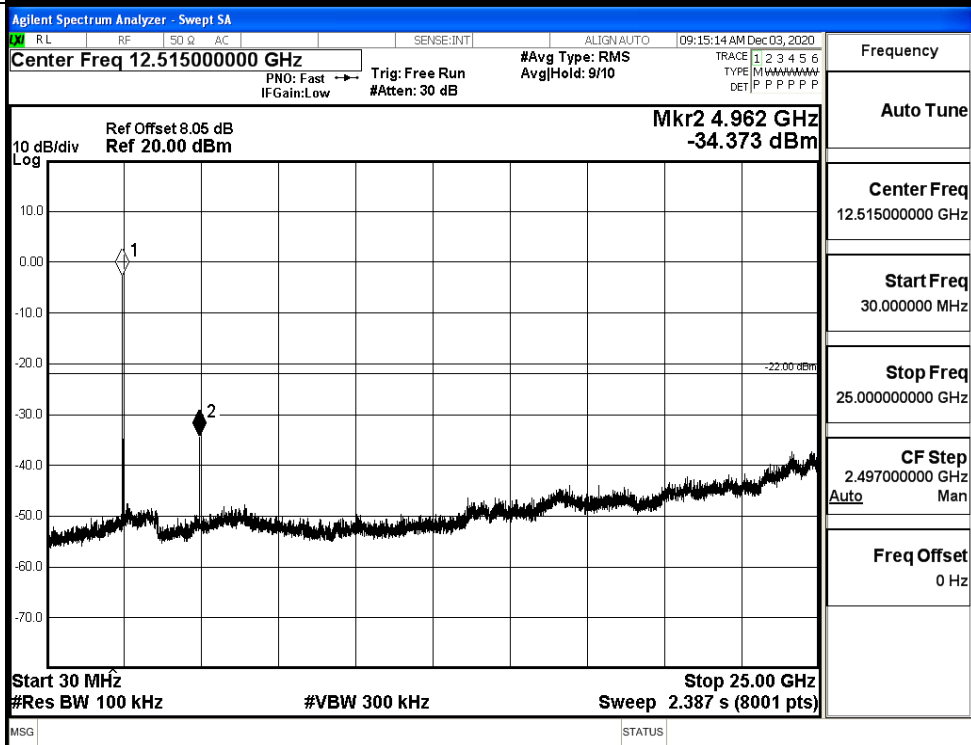


BT LE\_HCH\_Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH



### B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.957	-49.743	-19.04	PASS
BT LE	HCH	-0.147	-48.356	-20.15	PASS

#### Test Graphs

LCH	<p>Agilent Spectrum Analyzer - Swept SA                  Center Freq 2.35700000 GHz                  Max Spurious Level -49.743 dBm                  Start 2.31000 GHz, Stop 2.40400 GHz                  #Res BW 100 kHz, #VBW 300 kHz, Sweep 9.067 ms (8001 pts)</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr><td>1</td><td>N</td><td>f</td><td></td><td>2.402003 GHz</td><td>0.957 dBm</td><td></td><td></td><td></td></tr> <tr><td>2</td><td>N</td><td>f</td><td></td><td>2.400000 GHz</td><td>-46.809 dBm</td><td></td><td></td><td></td></tr> <tr><td>3</td><td>N</td><td>f</td><td></td><td>2.390000 GHz</td><td>-53.565 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>N</td><td>f</td><td></td><td>2.310623 GHz</td><td>-49.743 dBm</td><td></td><td></td><td></td></tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	f		2.402003 GHz	0.957 dBm				2	N	f		2.400000 GHz	-46.809 dBm				3	N	f		2.390000 GHz	-53.565 dBm				4	N	f		2.310623 GHz	-49.743 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35700000 GHz</p> <p>Start Freq 2.31000000 GHz</p> <p>Stop Freq 2.40400000 GHz</p> <p>CF Step 9.400000 MHz</p> <p>Freq Offset 0 Hz</p>
	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																						
1	N	f		2.402003 GHz	0.957 dBm																																										
2	N	f		2.400000 GHz	-46.809 dBm																																										
3	N	f		2.390000 GHz	-53.565 dBm																																										
4	N	f		2.310623 GHz	-49.743 dBm																																										
HCH	<p>Agilent Spectrum Analyzer - Swept SA                  Center Freq 2.48900000 GHz                  Max Spurious Level -48.356 dBm                  Start 2.47800 GHz, Stop 2.50000 GHz                  #Res BW 100 kHz, #VBW 300 kHz, Sweep 2.133 ms (8001 pts)</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr><td>1</td><td>N</td><td>f</td><td></td><td>2.480013 GHz</td><td>-0.147 dBm</td><td></td><td></td><td></td></tr> <tr><td>2</td><td>N</td><td>f</td><td></td><td>2.483500 GHz</td><td>-51.785 dBm</td><td></td><td></td><td></td></tr> <tr><td>3</td><td>N</td><td>f</td><td></td><td>2.500000 GHz</td><td>-53.751 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>N</td><td>f</td><td></td><td>2.483585 GHz</td><td>-48.356 dBm</td><td></td><td></td><td></td></tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	f		2.480013 GHz	-0.147 dBm				2	N	f		2.483500 GHz	-51.785 dBm				3	N	f		2.500000 GHz	-53.751 dBm				4	N	f		2.483585 GHz	-48.356 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.48900000 GHz</p> <p>Start Freq 2.47800000 GHz</p> <p>Stop Freq 2.50000000 GHz</p> <p>CF Step 2.200000 MHz</p> <p>Freq Offset 0 Hz</p>
	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																						
1	N	f		2.480013 GHz	-0.147 dBm																																										
2	N	f		2.483500 GHz	-51.785 dBm																																										
3	N	f		2.500000 GHz	-53.751 dBm																																										
4	N	f		2.483585 GHz	-48.356 dBm																																										

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-3.414	-49.841	-23.41	PASS
BT 2LE	HCH	-1.471	-49.298	-21.47	PASS

Test Graphs

LCH

Agilent Spectrum Analyzer - Swept SA  
 Center Freq 2.35700000 GHz  
 Ref Offset 8.05 dB Ref 20.00 dBm  
 Mkr4 2.365 883 GHz -49.841 dBm  
 Start 2.31000 GHz Stop 2.40400 GHz  
 #Res BW 100 kHz #VBW 300 kHz Sweep 9.067 ms (8001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		2.401 909 GHz	-37.311 dBm			
2	N	f		2.400 000 GHz	-37.311 dBm			
3	N	f		2.390 000 GHz	-52.047 dBm			
4	N	f		2.365 883 GHz	-49.841 dBm			

Frequency

Auto Tune

Center Freq  
2.35700000 GHz

Start Freq  
2.31000000 GHz

Stop Freq  
2.40400000 GHz

CF Step  
9.400000 MHz

Freq Offset  
0 Hz

HCH

Agilent Spectrum Analyzer - Swept SA  
 Center Freq 2.48900000 GHz  
 Ref Offset 8.05 dB Ref 20.00 dBm  
 Mkr4 2.493 180 00 GHz -49.298 dBm  
 Start 2.47800 GHz Stop 2.50000 GHz  
 #Res BW 100 kHz #VBW 300 kHz Sweep 2.133 ms (8001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		2.479 988 25 GHz	-1.471 dBm			
2	N	f		2.483 500 00 GHz	-52.089 dBm			
3	N	f		2.500 000 00 GHz	-52.135 dBm			
4	N	f		2.493 180 00 GHz	-49.298 dBm			

Frequency

Auto Tune

Center Freq  
2.48900000 GHz

Start Freq  
2.47800000 GHz

Stop Freq  
2.50000000 GHz

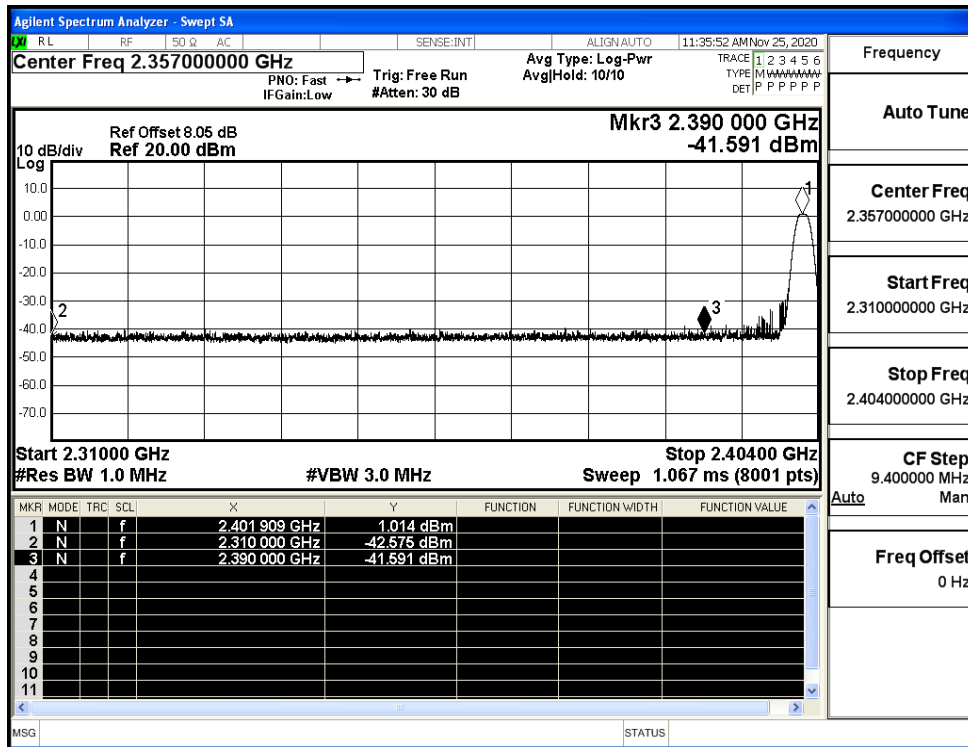
CF Step  
2.200000 MHz

Freq Offset  
0 Hz

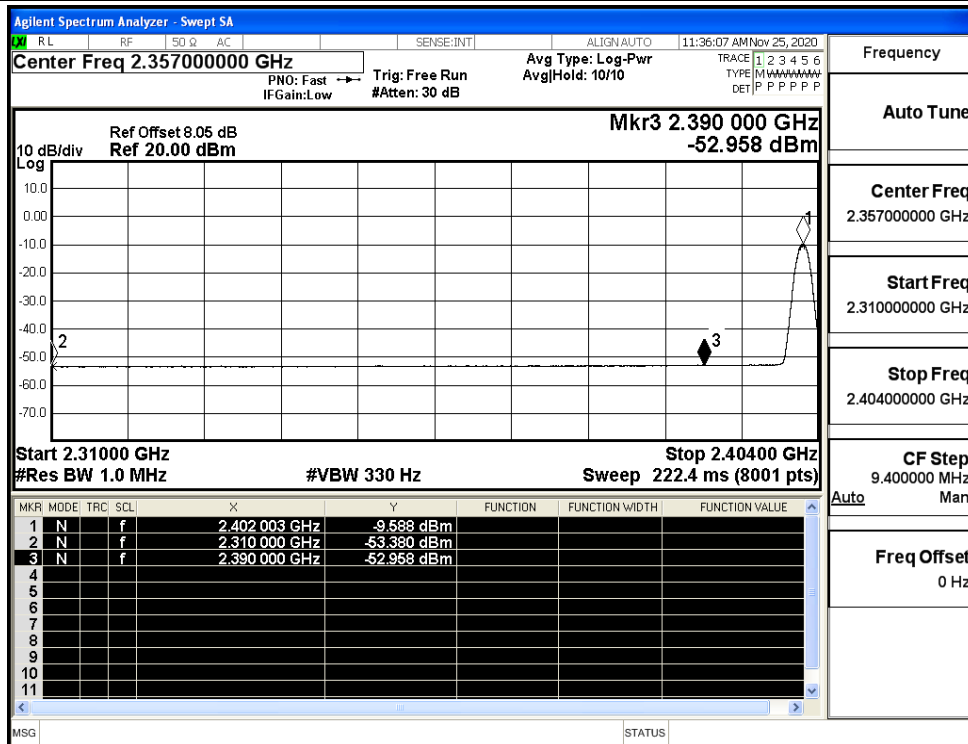
**B.7 Restrict-band band-edge measurements**

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-42.58	2.5	0	55.18	PEAK	74	PASS
		Ant1	2310.0	-53.38	2.5	0	44.38	AV	54	PASS
		Ant1	2390.0	-41.59	2.5	0	56.17	PEAK	74	PASS
		Ant1	2390.0	-52.96	2.5	0	44.80	AV	54	PASS
	2480	Ant1	2483.5	-34.82	2.5	0	62.94	PEAK	74	PASS
		Ant1	2483.5	-52.37	2.5	0	45.39	AV	54	PASS
		Ant1	2500.0	-41.57	2.5	0	56.19	PEAK	74	PASS
		Ant1	2500.0	-52.37	2.5	0	45.39	AV	54	PASS

Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_PEAK

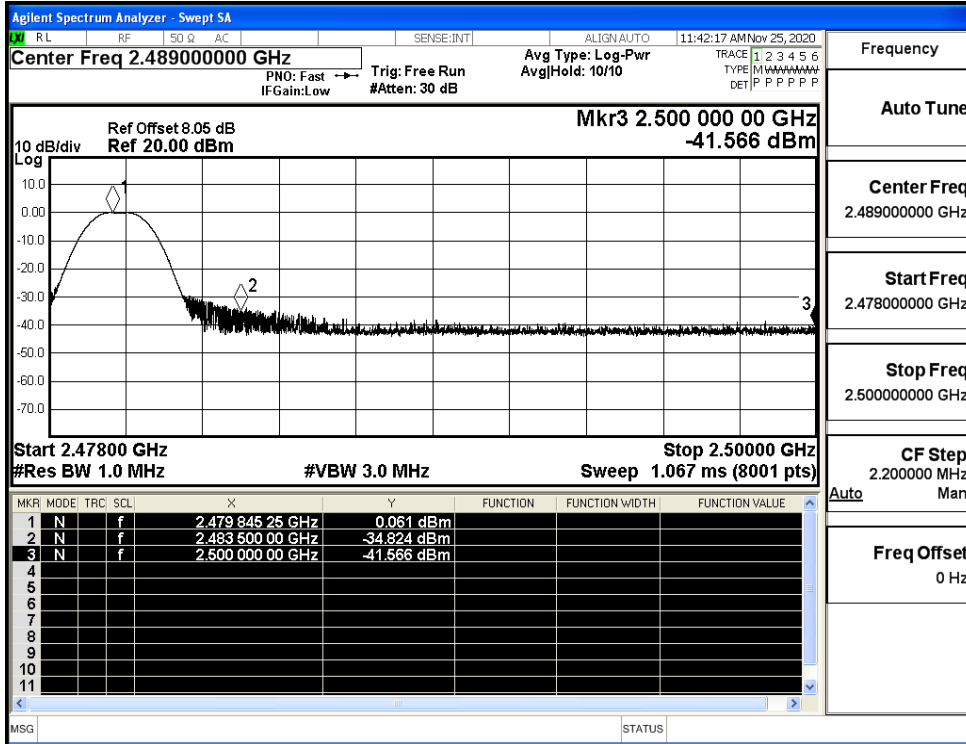


Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_AV

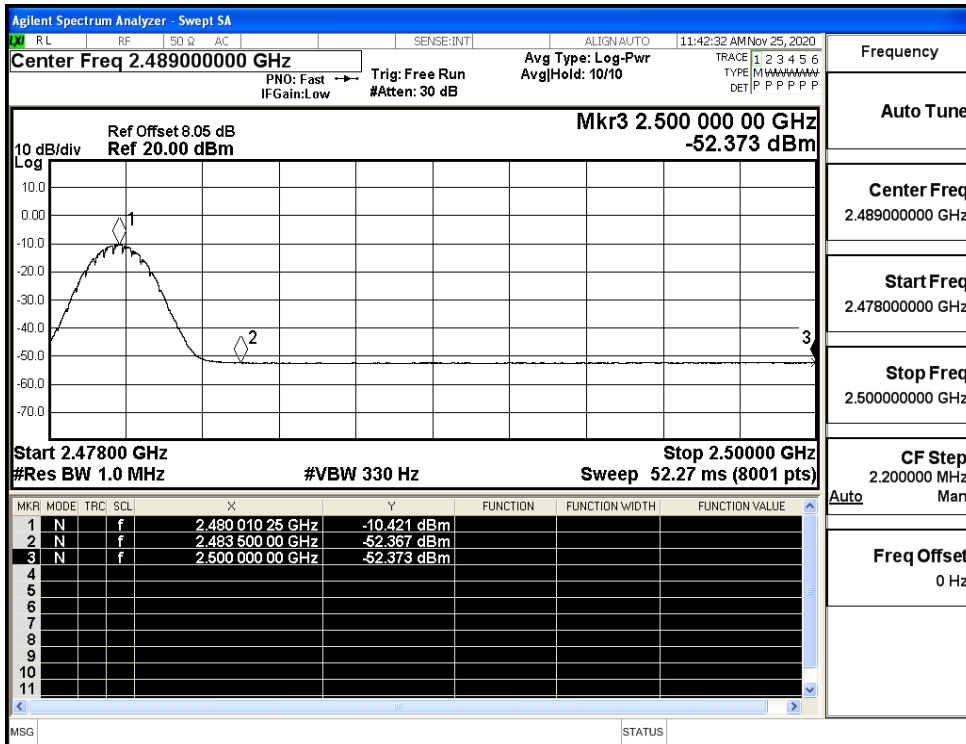




Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_PEAK

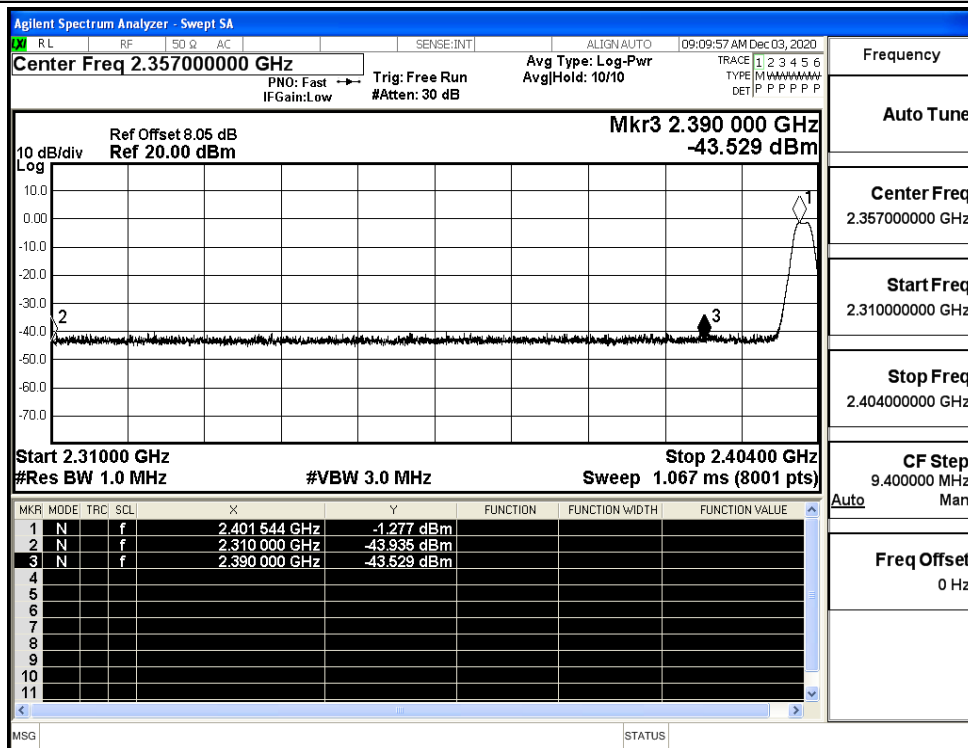


Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_AV

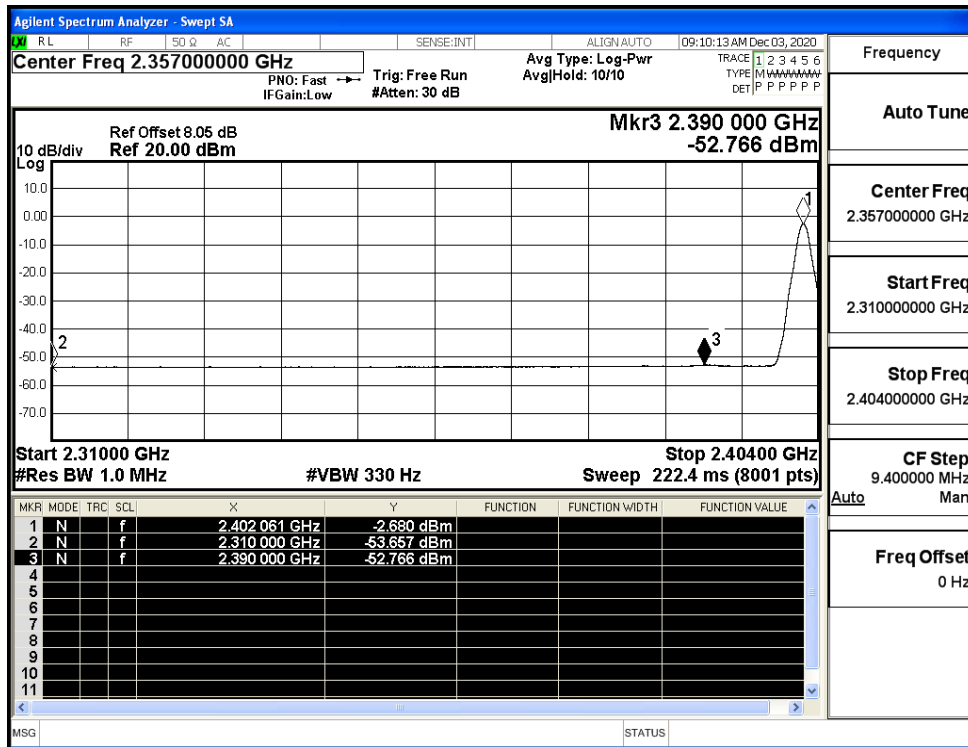


Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT 2LE	2402	Ant1	2310.0	-43.94	2.0	0	51.32	PEAK	74	PASS
		Ant1	2310.0	-53.66	2.0	0	41.60	AV	54	PASS
		Ant1	2390.0	-43.53	2.0	0	51.73	PEAK	74	PASS
		Ant1	2390.0	-52.77	2.0	0	42.49	AV	54	PASS
	2480	Ant1	2483.5	-41.01	2.0	0	54.25	PEAK	74	PASS
		Ant1	2483.5	-51.43	2.0	0	43.83	AV	54	PASS
		Ant1	2500.0	-41.49	2.0	0	53.77	PEAK	74	PASS
		Ant1	2500.0	-52.46	2.0	0	42.80	AV	54	PASS

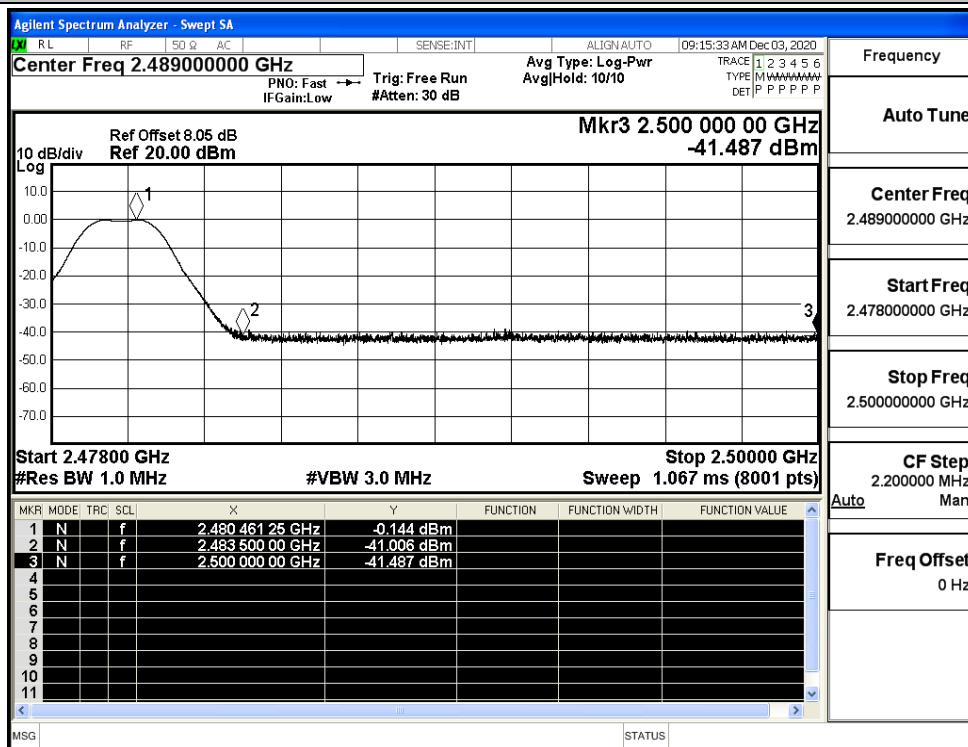
Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_PEAK



Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_AV



Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_PEAK



Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_AV

