

## Appendix B

### RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: ASIUR

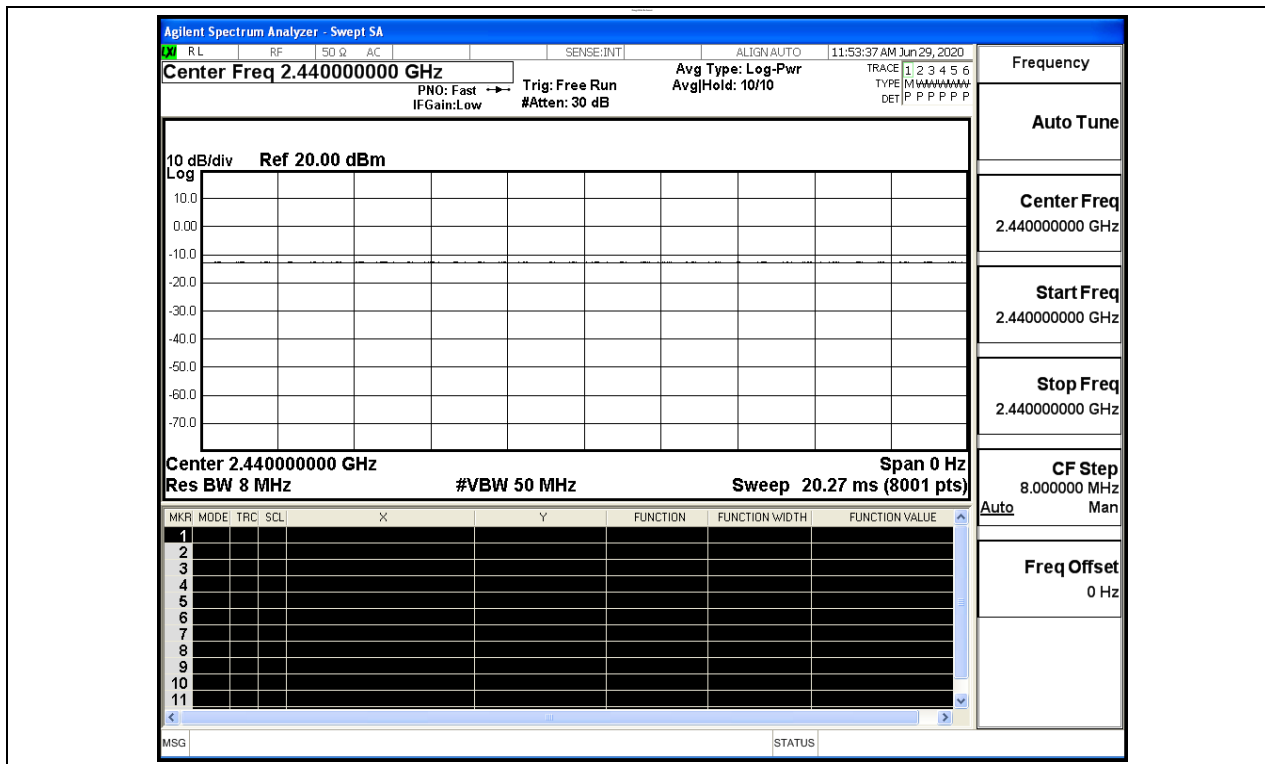
Test Model: ASIUR-101

#### Environmental Conditions

Temperature:	24.1 ° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Qu Xin
Supervised by:	Li Huan

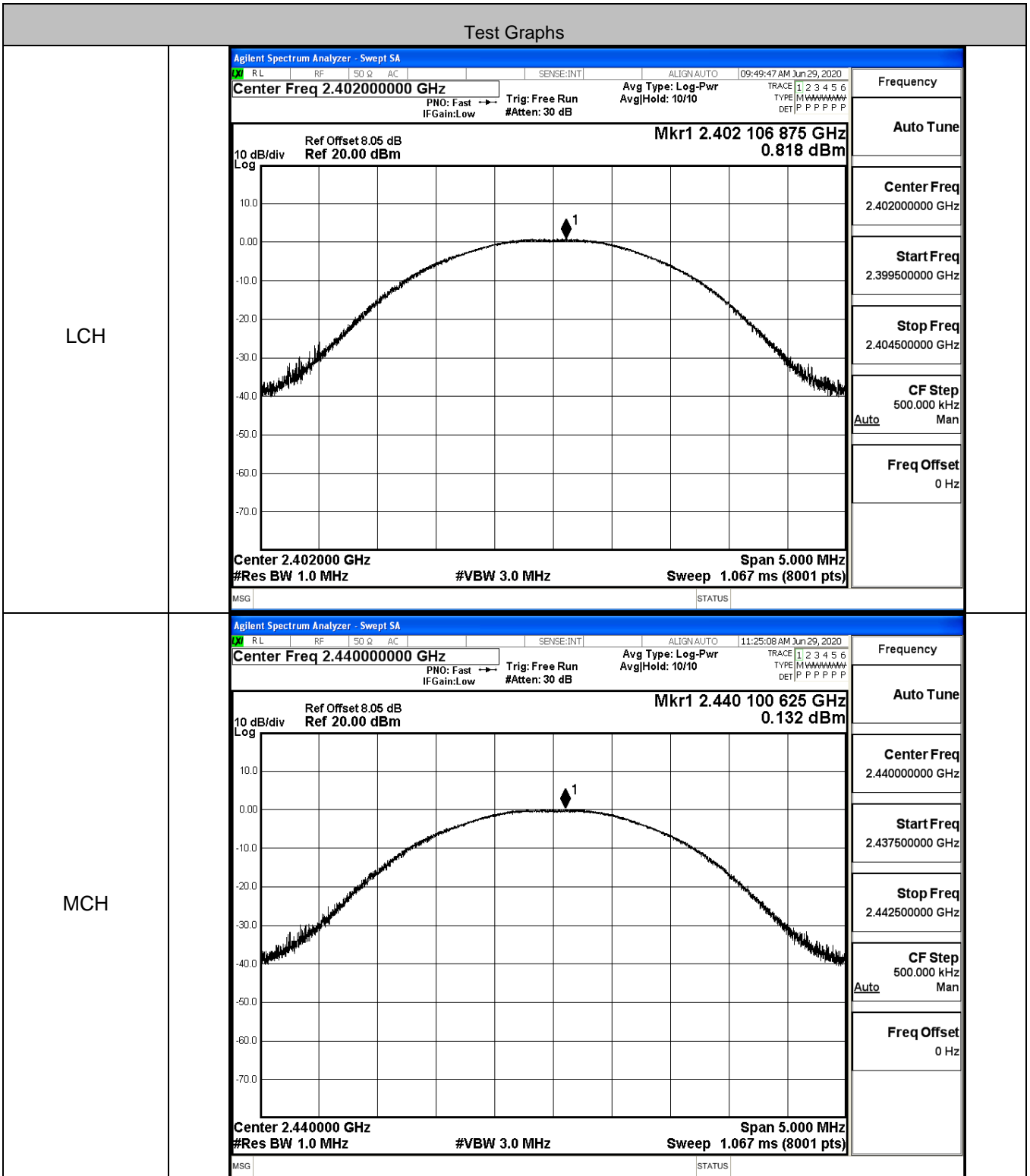
#### B.1 Duty Cycle

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



### B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.818	30	PASS
BT LE	MCH	0.132	30	PASS
BT LE	HCH	-7.386	30	PASS





### B.3 Maximum Power Spectral Density

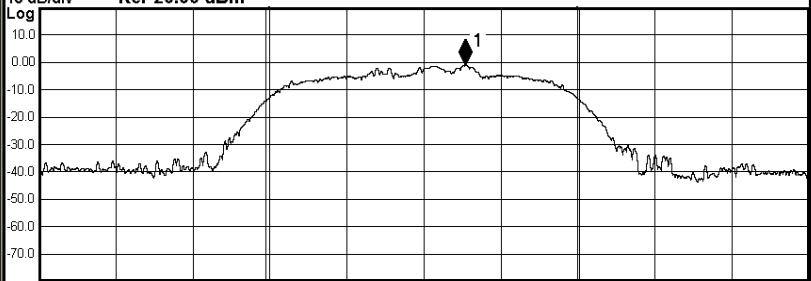
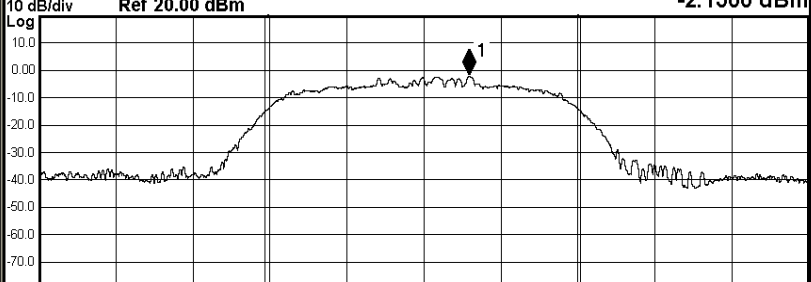
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.464	8	PASS
BT LE	MCH	-14.879	8	PASS
BT LE	HCH	-23.065	8	PASS

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 09:50:00 AM Jun 29, 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 IFGain:Low Trig: Free Run #Atten: 30 dB AvgHold: 10/10 TYPE M W W W W W W W</p> <p style="font-size: x-small; margin: 0;">Mkr1 2.402 013 5 GHz -13.464 dBm DET P P P P P P P</p> <div style="border: 1px solid black; padding: 2px;"> <p style="font-size: x-small; margin: 0;">Ref Offset 8.05 dB Mkr1 2.402 013 5 GHz</p> <p style="font-size: x-small; margin: 0;">Ref 20.00 dBm -13.464 dBm</p> <p style="font-size: x-small; margin: 0;">Center 2.4020000 GHz Span 1.500 MHz</p> <p style="font-size: x-small; margin: 0;">#Res BW 3.0 kHz #VBW 10 kHz Sweep 158.2 ms (1001 pts)</p> </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 2.40200000 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</td></tr> <tr><td>Auto</td></tr> <tr><td>Freq Offset 0 Hz</td></tr> </table>	Frequency	Auto Tune	Center Freq 2.40200000 GHz	Start Freq 2.401250000 GHz	Stop Freq 2.402750000 GHz	CF Step 150.000 kHz	Auto	Freq Offset 0 Hz
Frequency									
Auto Tune									
Center Freq 2.40200000 GHz									
Start Freq 2.401250000 GHz									
Stop Freq 2.402750000 GHz									
CF Step 150.000 kHz									
Auto									
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 11:25:21 AM Jun 29, 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 IFGain:Low Trig: Free Run #Atten: 30 dB AvgHold: 10/10 TYPE M W W W W W W W</p> <p style="font-size: x-small; margin: 0;">Mkr1 2.440 013 5 GHz -14.879 dBm DET P P P P P P P</p> <div style="border: 1px solid black; padding: 2px;"> <p style="font-size: x-small; margin: 0;">Ref Offset 8.05 dB Mkr1 2.440 013 5 GHz</p> <p style="font-size: x-small; margin: 0;">Ref 20.00 dBm -14.879 dBm</p> <p style="font-size: x-small; margin: 0;">Center 2.4400000 GHz Span 1.500 MHz</p> <p style="font-size: x-small; margin: 0;">#Res BW 3.0 kHz #VBW 10 kHz Sweep 158.2 ms (1001 pts)</p> </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</td></tr> <tr><td>Auto</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	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									
Freq Offset 0 Hz									



**B.4 6dB Bandwidth**

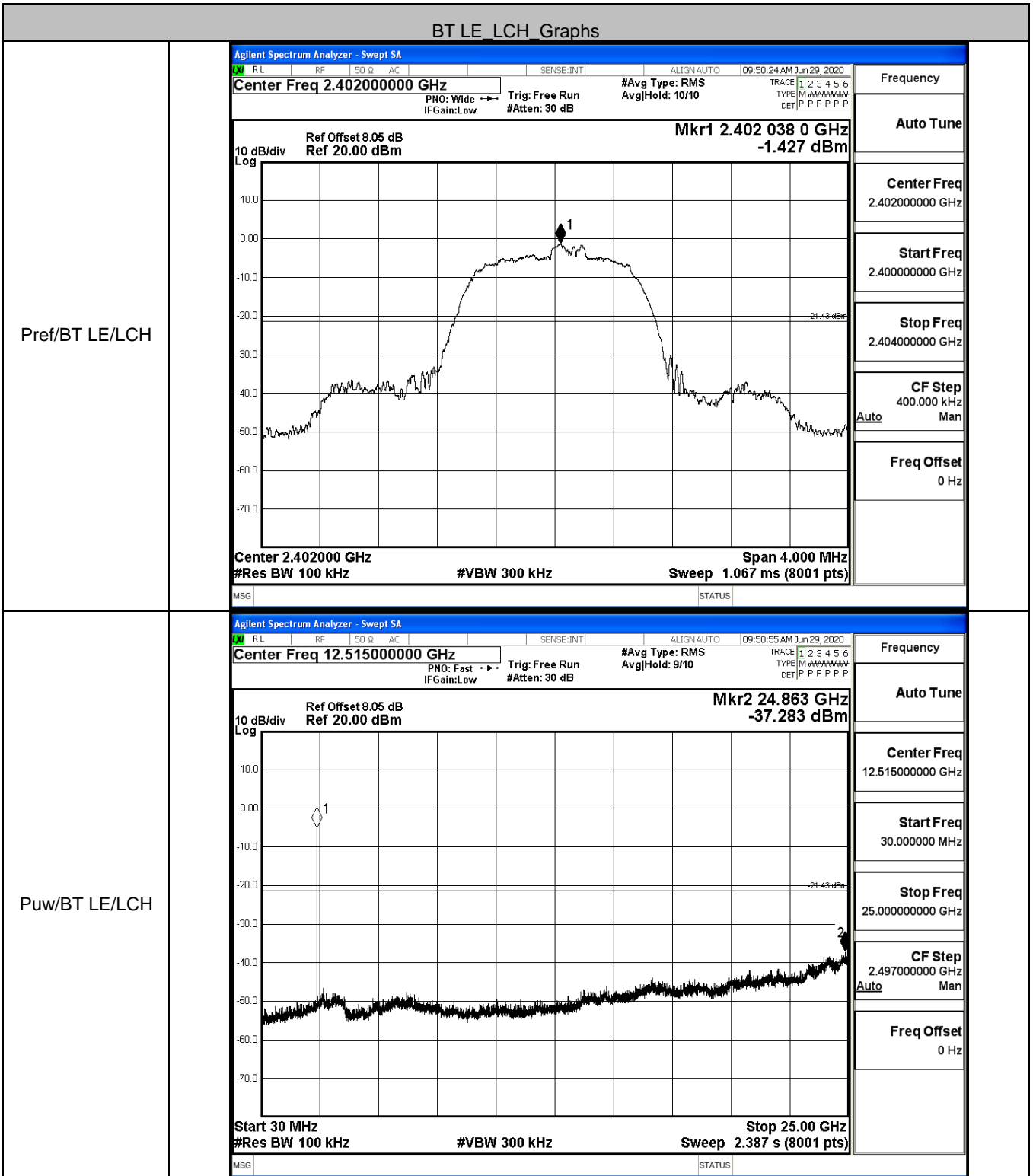
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.021	≥0.5	PASS
BT LE	MCH	1.013	≥0.5	PASS
BT LE	HCH	0.6627	≥0.5	PASS

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 09:49:36 AM Jun 29, 2020</p> <p style="margin: 0;">Center Freq 2.402000000 GHz Center Freq: 2.402000000 GHz Radio Std: None Trig: Free Run AvgHold: &gt; 1/1</p> <p style="margin: 0;">#IFGain: Low #Atten: 30 dB Radio Device: BTS</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: x-small; margin: 0;">10 dB/div Ref Offset 8.05 dB Mkr1 2.4021628 GHz Log Ref 20.00 dBm -1.1492 dBm</p>  </div> <p style="font-size: x-small; margin: 0;">Center 2.402 GHz Span 3 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms</p> <table style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td style="width: 33%;">Occupied Bandwidth</td> <td style="width: 33%;">Total Power</td> <td style="width: 33%;">5.70 dBm</td> </tr> <tr> <td style="text-align: center;"><b>1.2159 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table> <p style="font-size: x-small; margin: 0;">MSG STATUS</p> </div>	Occupied Bandwidth	Total Power	5.70 dBm	<b>1.2159 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	x dB Bandwidth	x dB	-6.00 dB
Occupied Bandwidth	Total Power	5.70 dBm											
<b>1.2159 MHz</b>													
Transmit Freq Error	OBW Power	99.00 %											
x dB Bandwidth	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 11:24:57 AM Jun 29, 2020</p> <p style="margin: 0;">Center Freq 2.440000000 GHz Center Freq: 2.440000000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1</p> <p style="margin: 0;">#IFGain: Low #Atten: 30 dB Radio Device: BTS</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: x-small; margin: 0;">10 dB/div Ref Offset 8.05 dB Mkr1 2.4401748 GHz Log Ref 20.00 dBm -2.1500 dBm</p>  </div> <p style="font-size: x-small; margin: 0;">Center 2.44 GHz Span 3 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms</p> <table style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td style="width: 33%;">Occupied Bandwidth</td> <td style="width: 33%;">Total Power</td> <td style="width: 33%;">4.68 dBm</td> </tr> <tr> <td style="text-align: center;"><b>1.2227 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table> <p style="font-size: x-small; margin: 0;">MSG STATUS</p> </div>	Occupied Bandwidth	Total Power	4.68 dBm	<b>1.2227 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	x dB Bandwidth	x dB	-6.00 dB
Occupied Bandwidth	Total Power	4.68 dBm											
<b>1.2227 MHz</b>													
Transmit Freq Error	OBW Power	99.00 %											
x dB Bandwidth	x dB	-6.00 dB											

HCH	Agilent Spectrum Analyzer - Occupied BW			RL	RF	50 Ω	AC	SENSE:INT	ALIGN:AUTO	11:51:10 AM Jun 29, 2020	
	Center Freq 2.480000000 GHz				Center Freq: 2.480000000 GHz			Radio Std: None		Frequency	
					Trig: Free Run		AvgHold>1/1		Radio Device: BTS		
					#IFGain:Low		#Atten: 30 dB				
		Ref Offset 8.05 dB		Mkr1 2.4797469 GHz							
		Ref 20.00 dBm		-7.7263 dBm							
10 dB/div										Center Freq 2.480000000 GHz	
Log											
-50.0											
-70.0											
Center 2.48 GHz		#Res BW 100 kHz		#VBW 300 kHz		Span 3 MHz		CF Step 300.000 kHz			
#Res BW 100 kHz		#VBW 300 kHz		Sweep 1.067 ms		Sweep 1.067 ms		Auto Man			
Occupied Bandwidth		Total Power		-1.19 dBm		-1.19 dBm		Freq Offset 0 Hz			
1.0422 MHz		1.0422 MHz		99.00 %		99.00 %					
Transmit Freq Error		-2.751 kHz		OBW Power		-6.00 dB					
x dB Bandwidth		662.7 kHz		x dB		-6.00 dB					
MSG										STATUS	

### B.5 RF Conducted Spurious Emissions

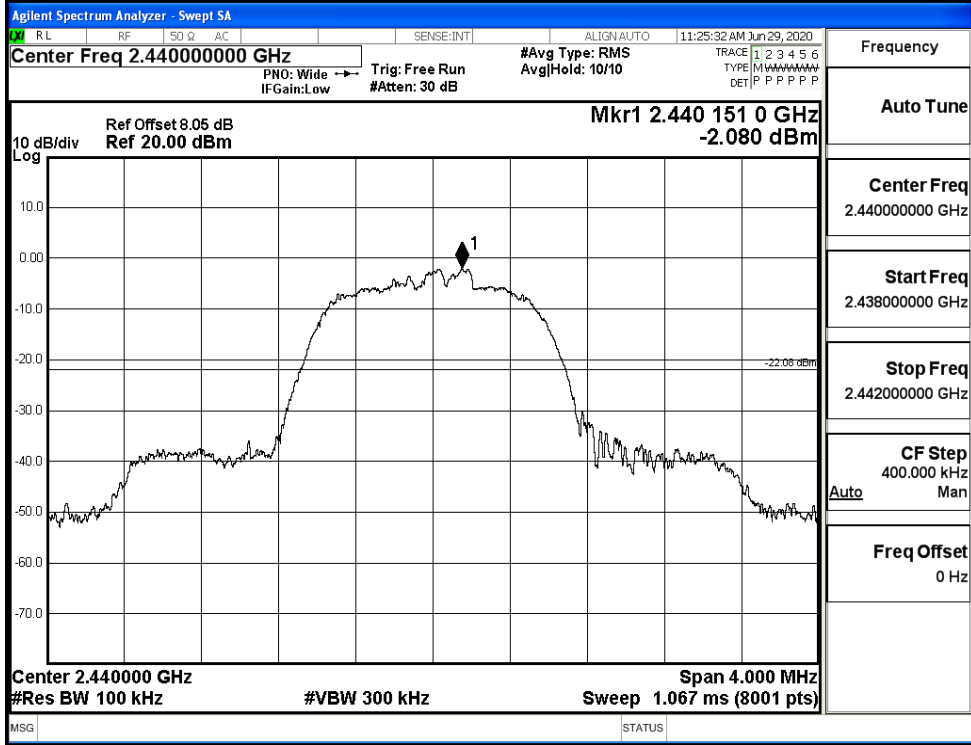
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.427	-37.283	-21.427	PASS
BT LE	MCH	-2.08	-37.390	-22.080	PASS
BT LE	HCH	-7.705	-36.955	-27.705	PASS



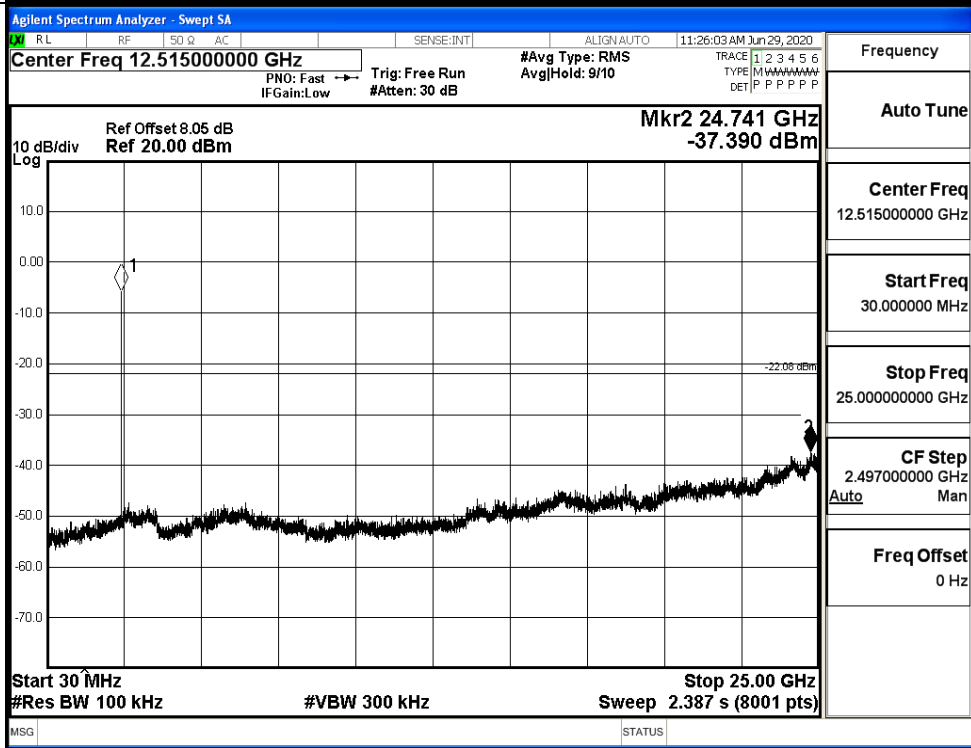


BT LE\_MCH\_Graphs

Pref/BT LE/MCH

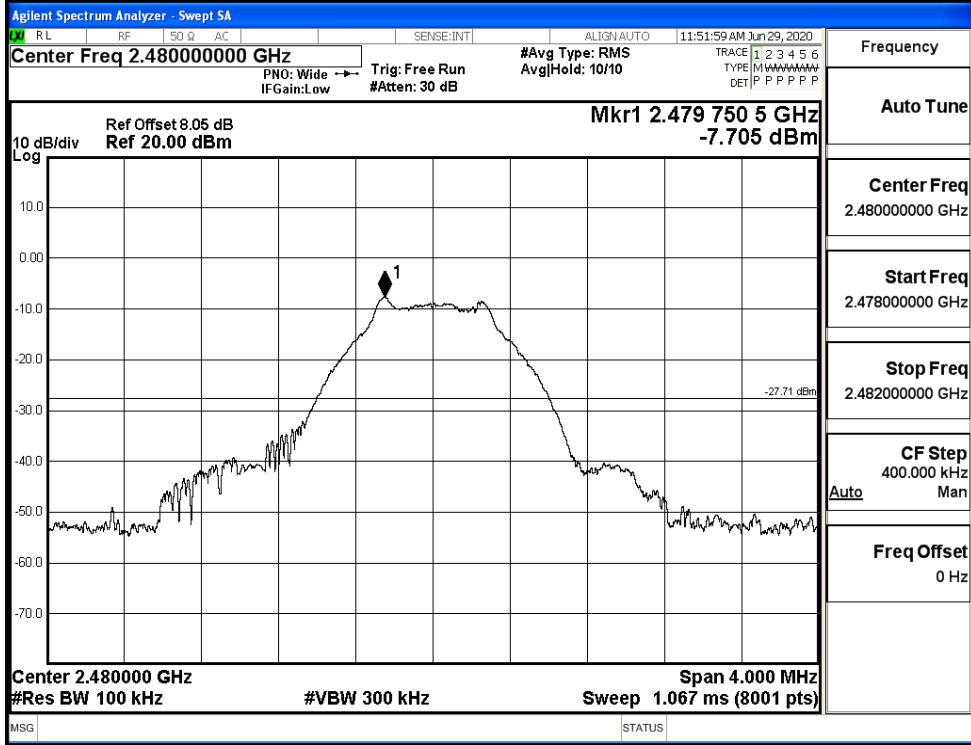


Puw/BT LE/MCH

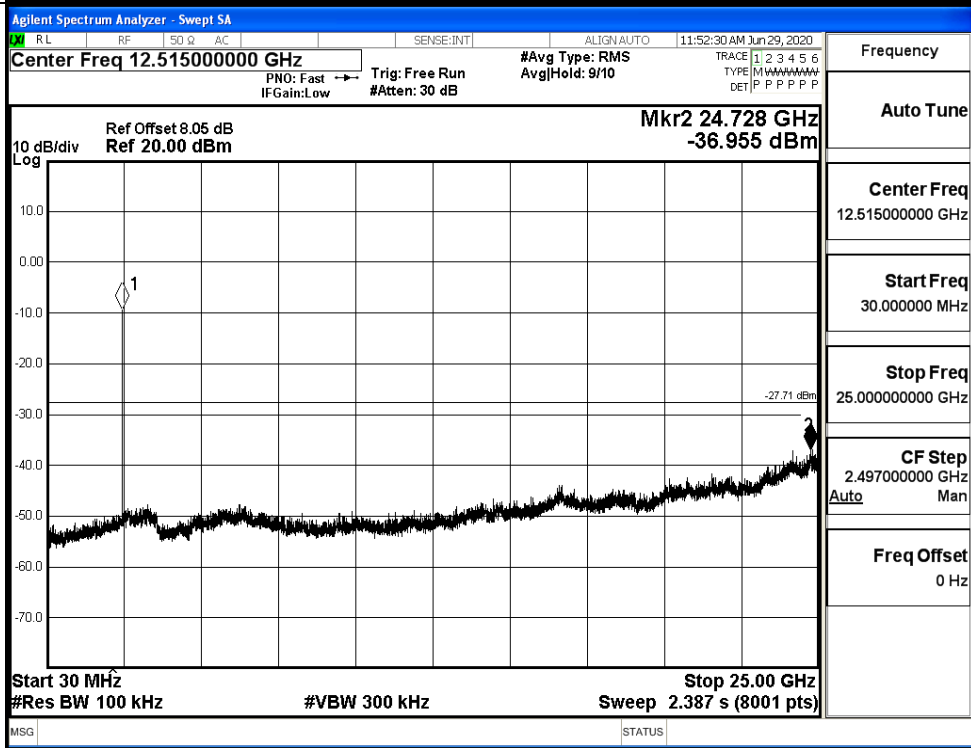


BT LE\_HCH\_Graphs

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	-1.456	-49.466	-21.46	PASS
BT LE	HCH	-7.684	-48.221	-27.68	PASS

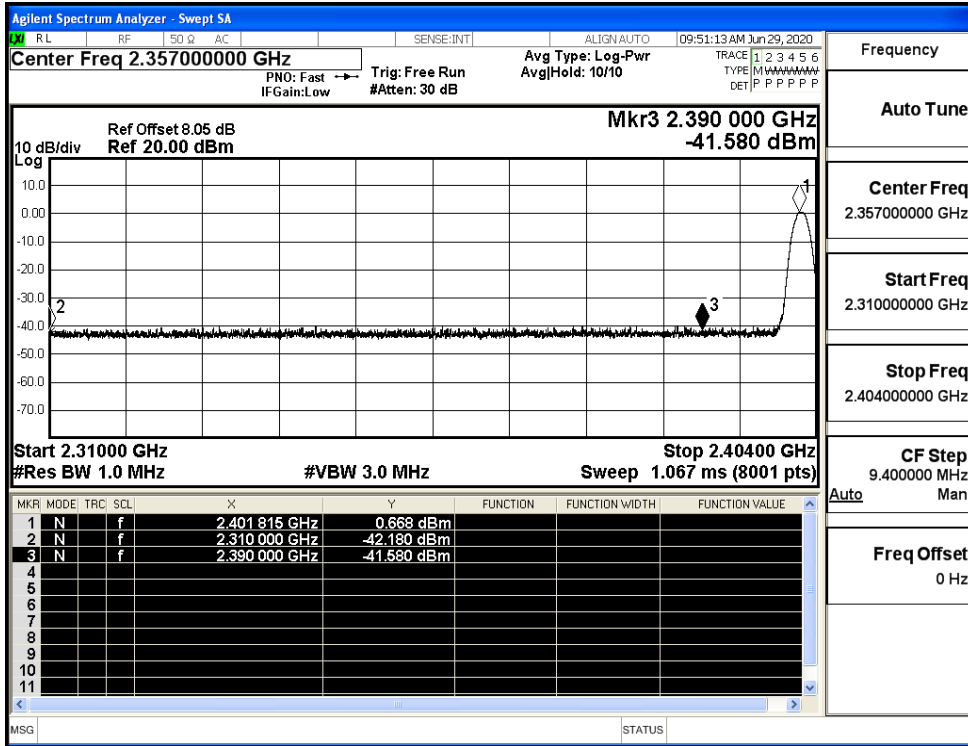
Test Graphs

LCH	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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>2.402 014 GHz</td><td>-1.456 dBm</td><td></td><td></td><td></td></tr> <tr><td>2</td><td>N</td><td>f</td><td></td><td>2.400 000 GHz</td><td>-51.685 dBm</td><td></td><td></td><td></td></tr> <tr><td>3</td><td>N</td><td>f</td><td></td><td>2.390 000 GHz</td><td>-52.279 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>N</td><td>f</td><td></td><td>2.374 508 GHz</td><td>-49.466 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		2.402 014 GHz	-1.456 dBm				2	N	f		2.400 000 GHz	-51.685 dBm				3	N	f		2.390 000 GHz	-52.279 dBm				4	N	f		2.374 508 GHz	-49.466 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		2.402 014 GHz	-1.456 dBm																																										
2	N	f		2.400 000 GHz	-51.685 dBm																																										
3	N	f		2.390 000 GHz	-52.279 dBm																																										
4	N	f		2.374 508 GHz	-49.466 dBm																																										
HCH	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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>2.479 764 50 GHz</td><td>-7.684 dBm</td><td></td><td></td><td></td></tr> <tr><td>2</td><td>N</td><td>f</td><td></td><td>2.483 500 00 GHz</td><td>-52.956 dBm</td><td></td><td></td><td></td></tr> <tr><td>3</td><td>N</td><td>f</td><td></td><td>2.500 000 00 GHz</td><td>-50.645 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>N</td><td>f</td><td></td><td>2.489 638 00 GHz</td><td>-48.221 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		2.479 764 50 GHz	-7.684 dBm				2	N	f		2.483 500 00 GHz	-52.956 dBm				3	N	f		2.500 000 00 GHz	-50.645 dBm				4	N	f		2.489 638 00 GHz	-48.221 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		2.479 764 50 GHz	-7.684 dBm																																										
2	N	f		2.483 500 00 GHz	-52.956 dBm																																										
3	N	f		2.500 000 00 GHz	-50.645 dBm																																										
4	N	f		2.489 638 00 GHz	-48.221 dBm																																										

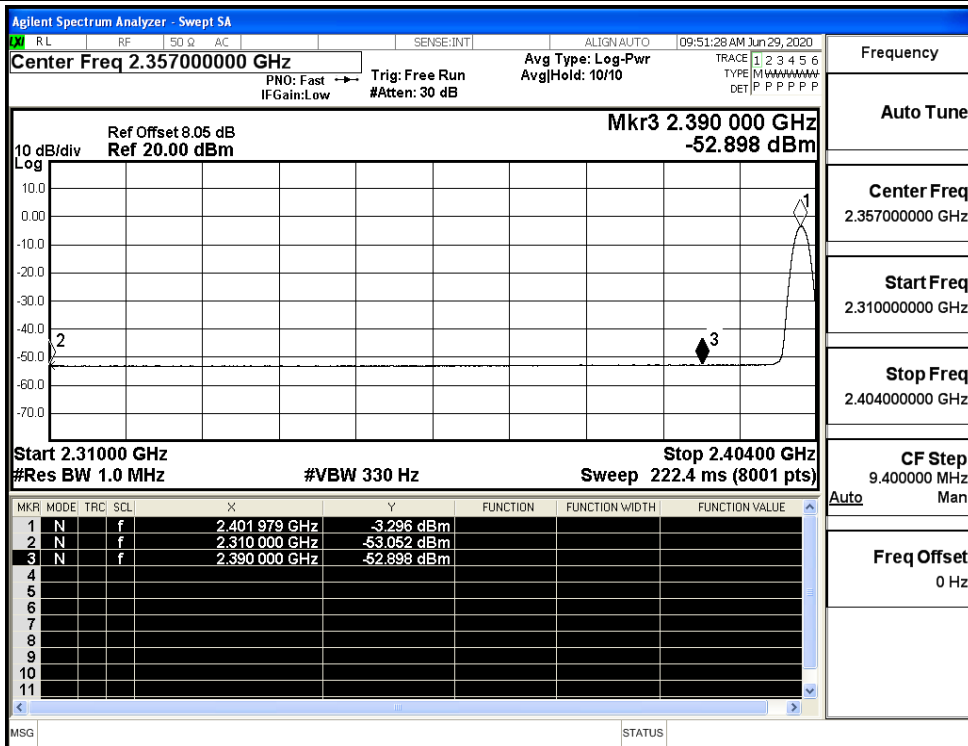
**B.7 Restrict-band band-edge measurements**

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	-42.18	2.0	0	53.08	PEAK	74	PASS
		Ant1	2310.0	-53.05	2.0	0	42.21	AV	54	PASS
		Ant1	2390.0	-41.58	2.0	0	53.68	PEAK	74	PASS
		Ant1	2390.0	-52.90	2.0	0	42.36	AV	54	PASS
	2480	Ant1	2483.5	-42.69	2.0	0	52.57	PEAK	74	PASS
		Ant1	2483.5	-52.43	2.0	0	42.83	AV	54	PASS
		Ant1	2500.0	-42.27	2.0	0	52.99	PEAK	74	PASS
		Ant1	2500.0	-52.34	2.0	0	42.92	AV	54	PASS

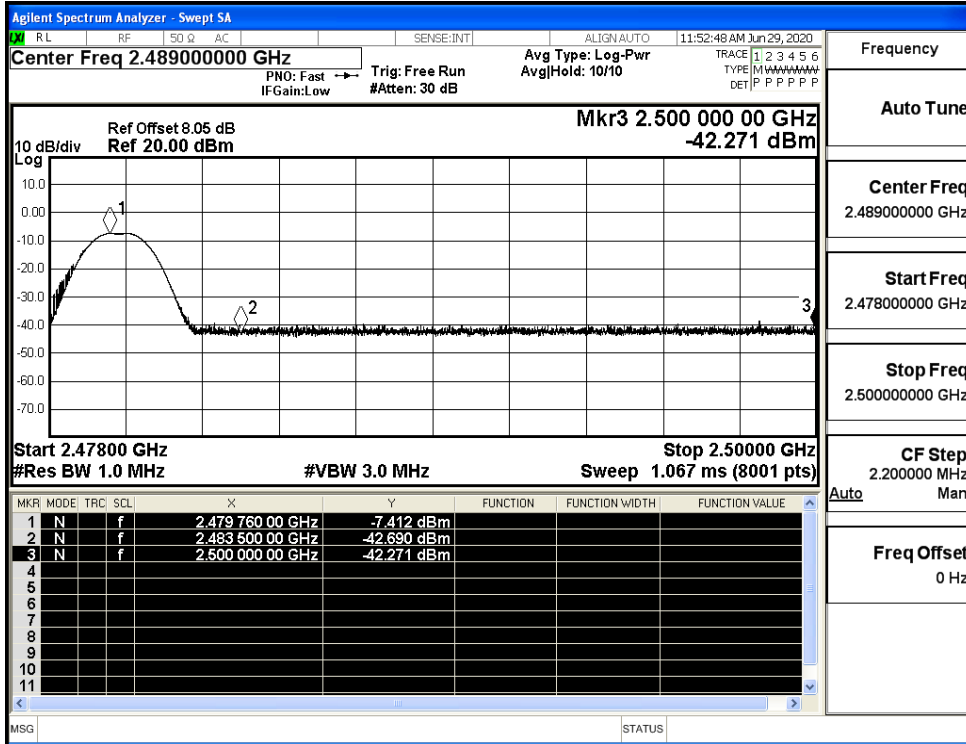
Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_PEAK



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

