

## Appendix B

### RF Test Data for BT V4.0(BDR/EDR) (Conducted Measurement)

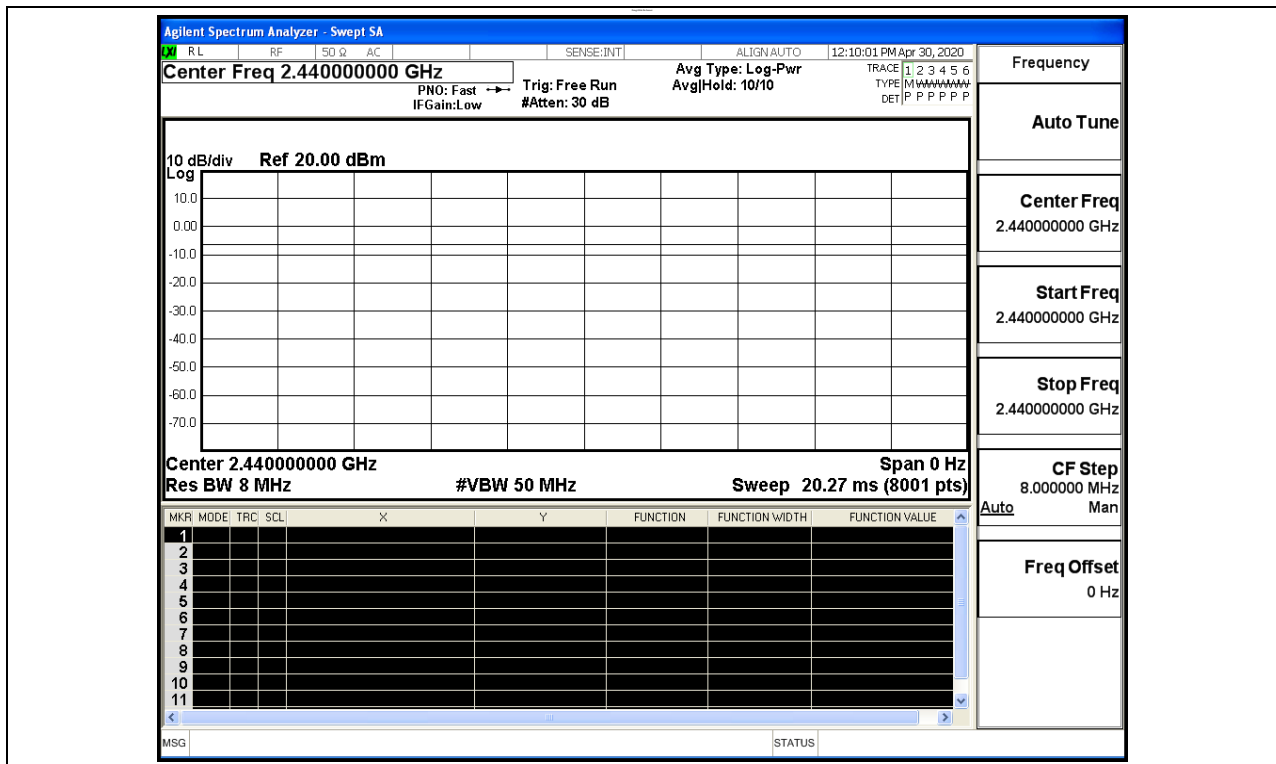
**Product Name: All-in-one Tablet**  
**Trade Mark: STRATATACHE/SCALA**  
**Test Model: ST156**

#### Environmental Conditions

Temperature:	23.4 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	David.Luo
Supervised by:	Tom.Liu

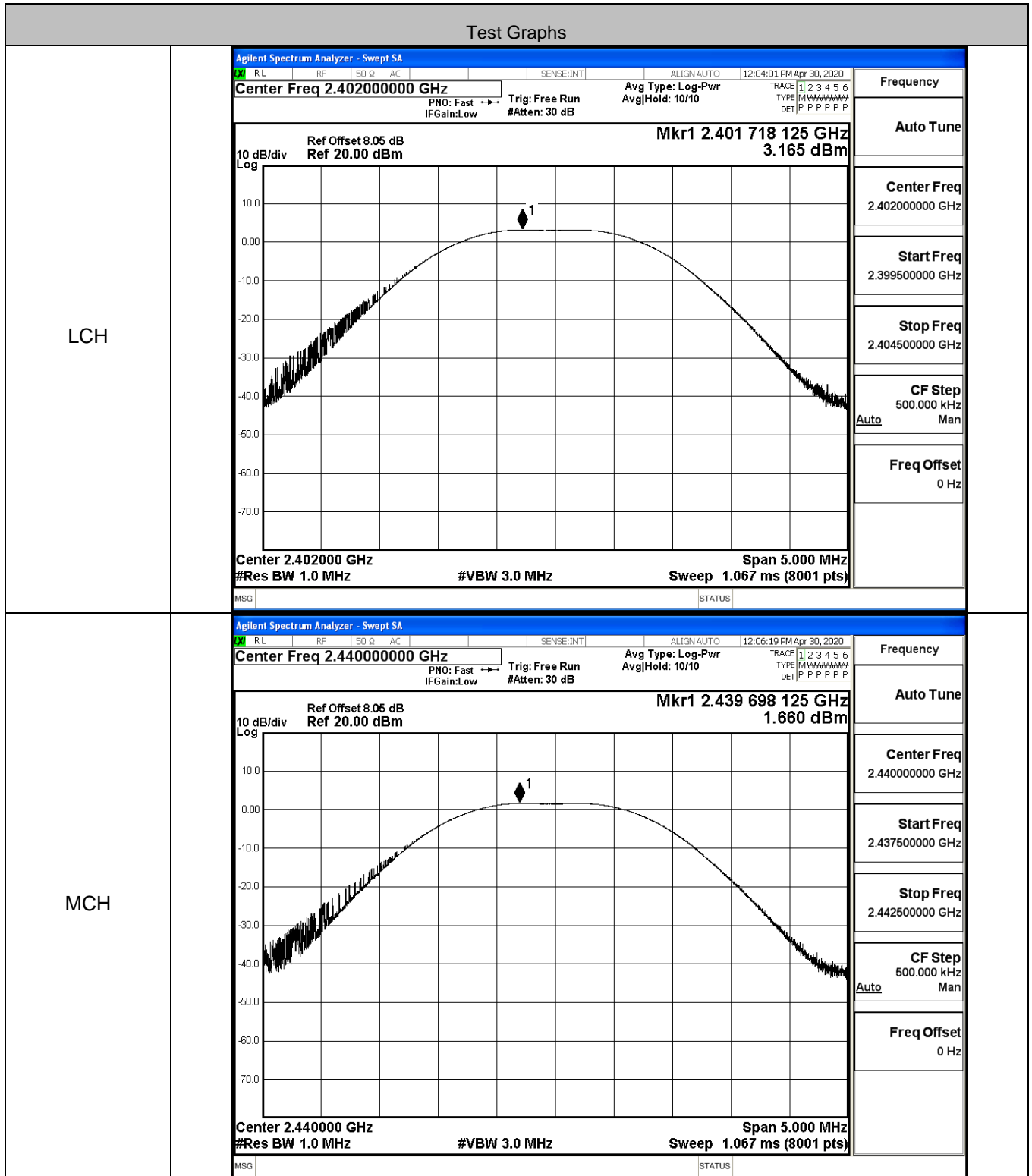
#### B.1 Duty Cycle

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

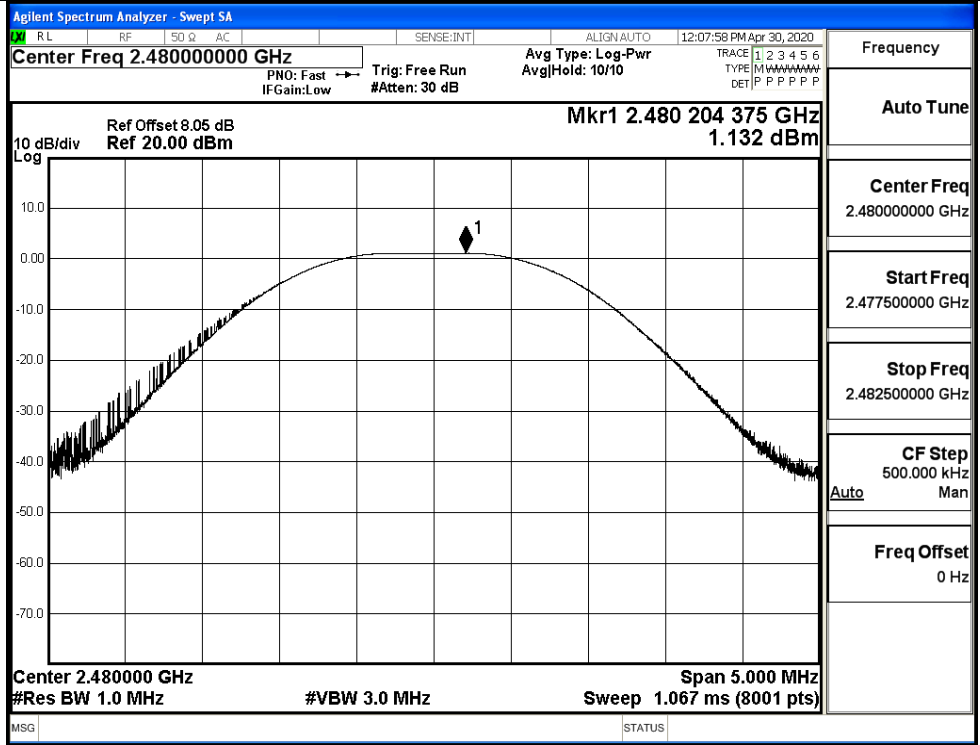


### B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.165	30	PASS
BT LE	MCH	1.66	30	PASS
BT LE	HCH	1.132	30	PASS



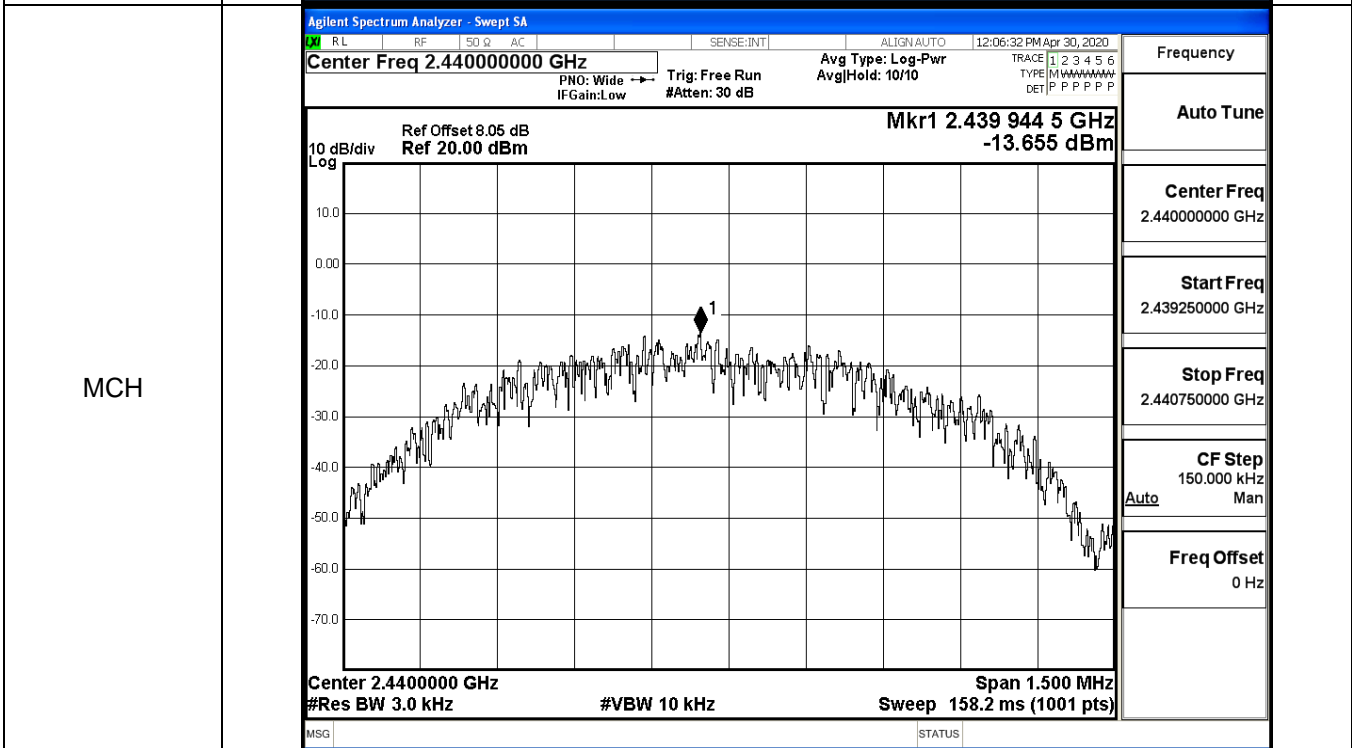
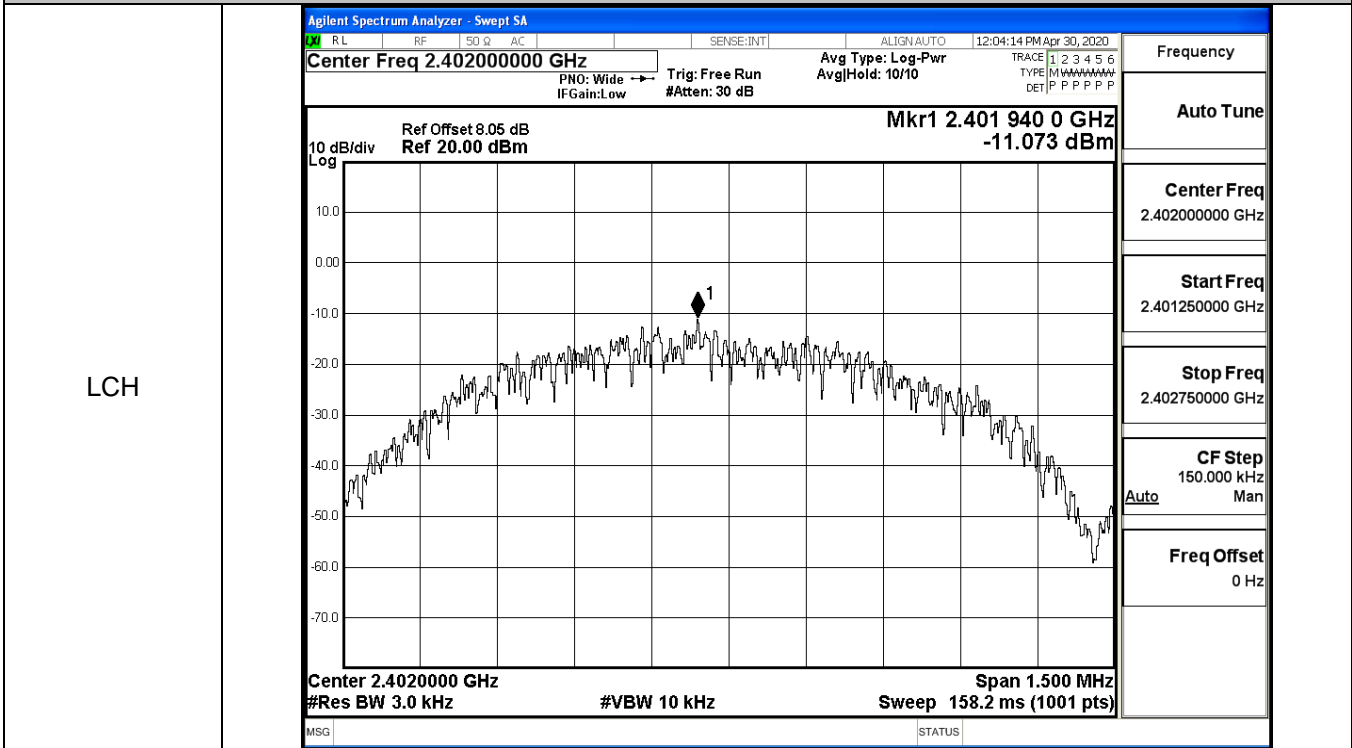
HCH



### B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.073	8	PASS
BT LE	MCH	-13.655	8	PASS
BT LE	HCH	-12.990	8	PASS

#### Test Graphs

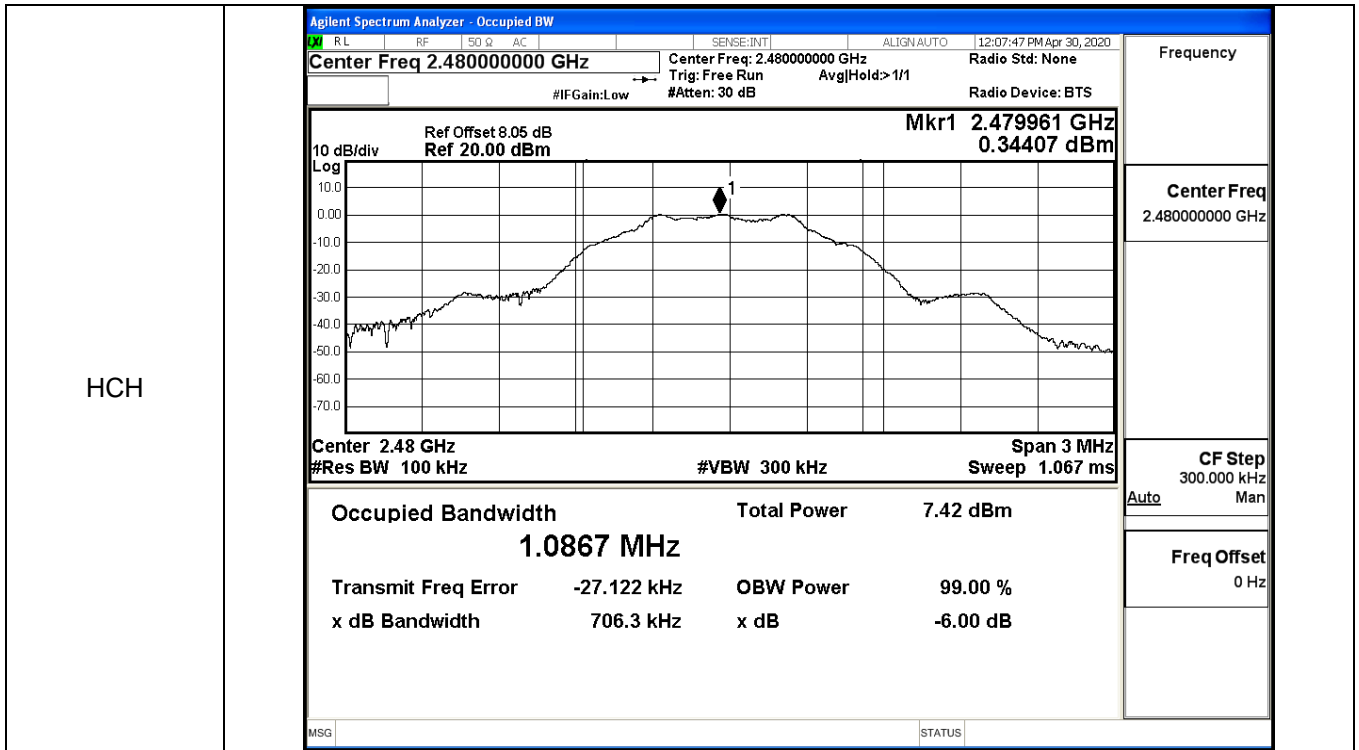




**B.4 6dB Bandwidth**

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7043	≥0.5	PASS
BT LE	MCH	0.6979	≥0.5	PASS
BT LE	HCH	0.7063	≥0.5	PASS

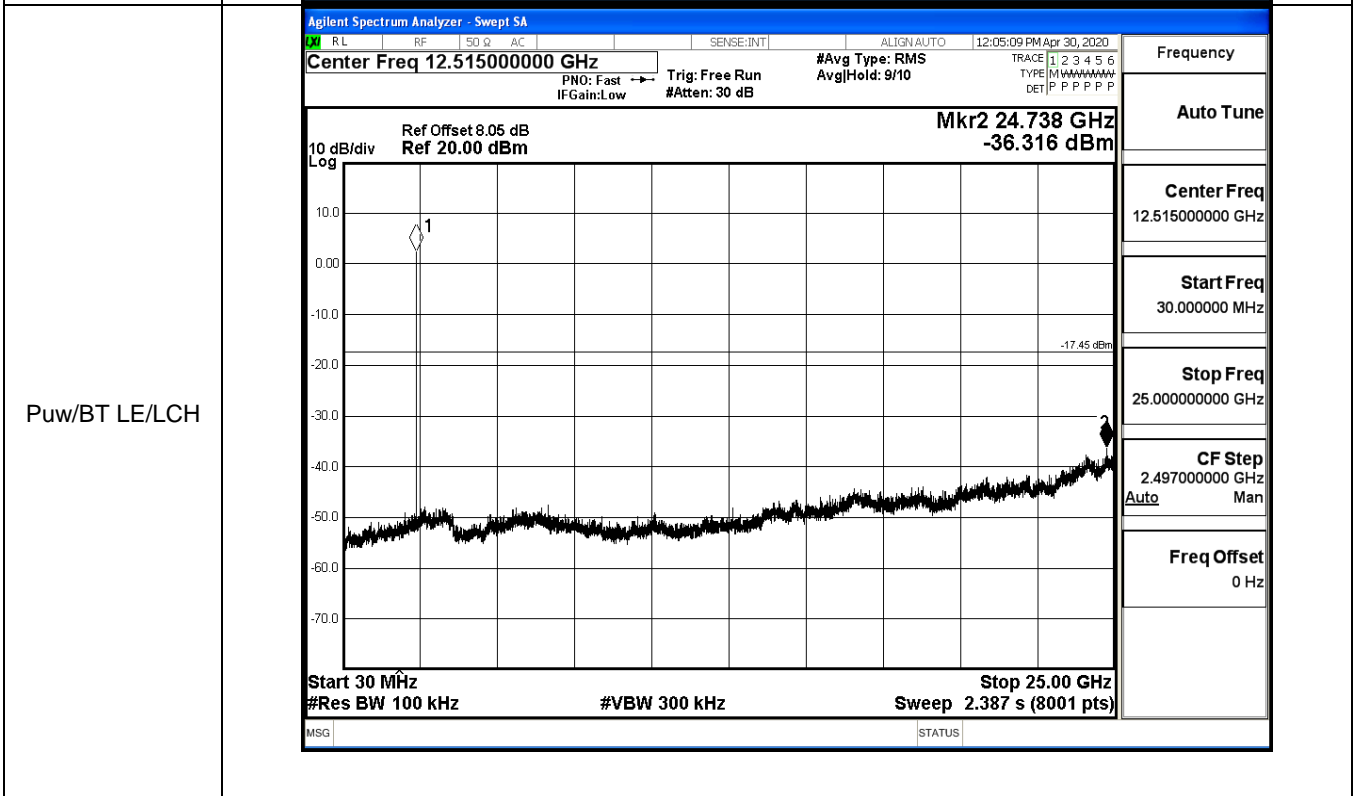
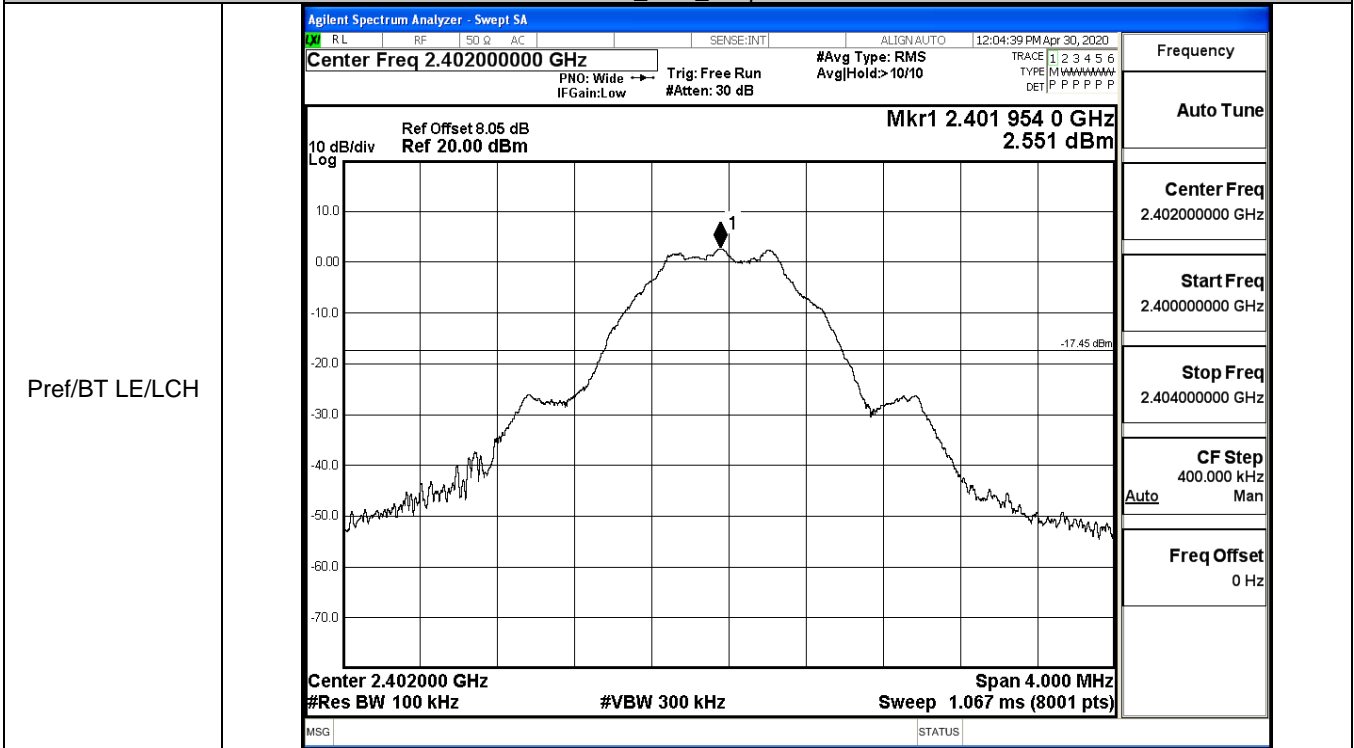
Test Graphs																	
LCH	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">Agilent Spectrum Analyzer - Occupied BW</p> <p style="font-size: small; margin: 0;">RL RF 50 Ω AC SENSE:INT ALIGN:AUTO 12:03:50 PM Apr 30, 2020</p> <p style="margin: 0;">Center 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 2.4019501 GHz                          2.5428 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">9.47 dBm</td> </tr> <tr> <td colspan="4" style="text-align: center;"><b>1.0874 MHz</b></td> </tr> <tr> <td>Transmit Freq Error</td> <td>-34.567 kHz</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>704.3 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	9.47 dBm		<b>1.0874 MHz</b>				Transmit Freq Error	-34.567 kHz	OBW Power	99.00 %	x dB Bandwidth	704.3 kHz	x dB	-6.00 dB
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### B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.551	-36.316	-17.449	PASS
BT LE	MCH	1.006	-36.211	-18.994	PASS
BT LE	HCH	0.496	-37.012	-19.504	PASS

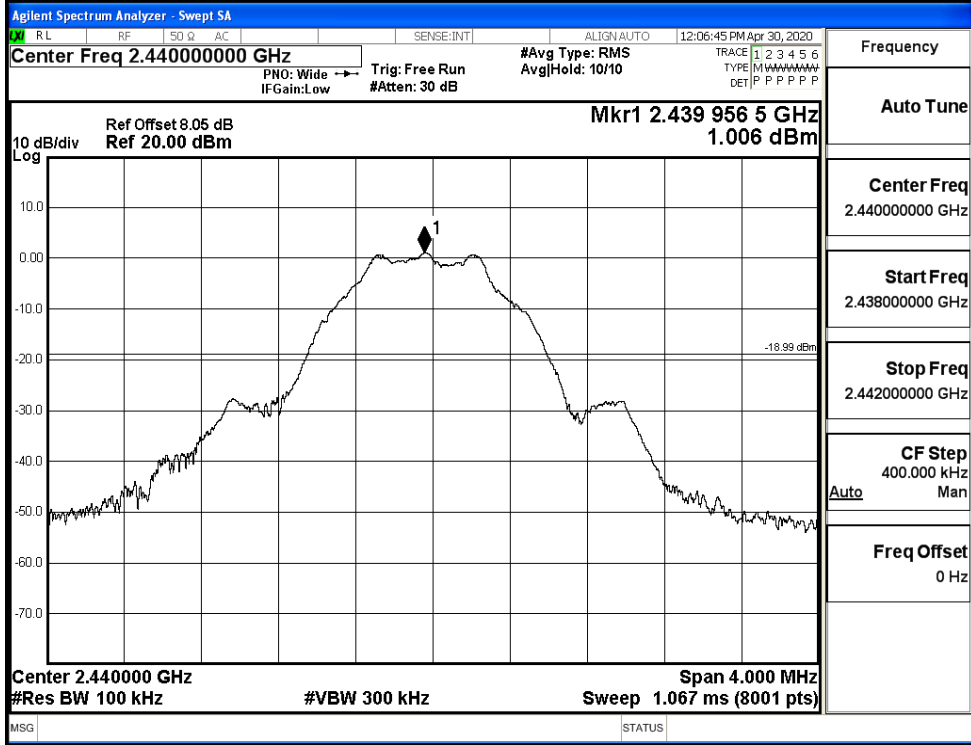
BT LE\_LCH\_Graphs



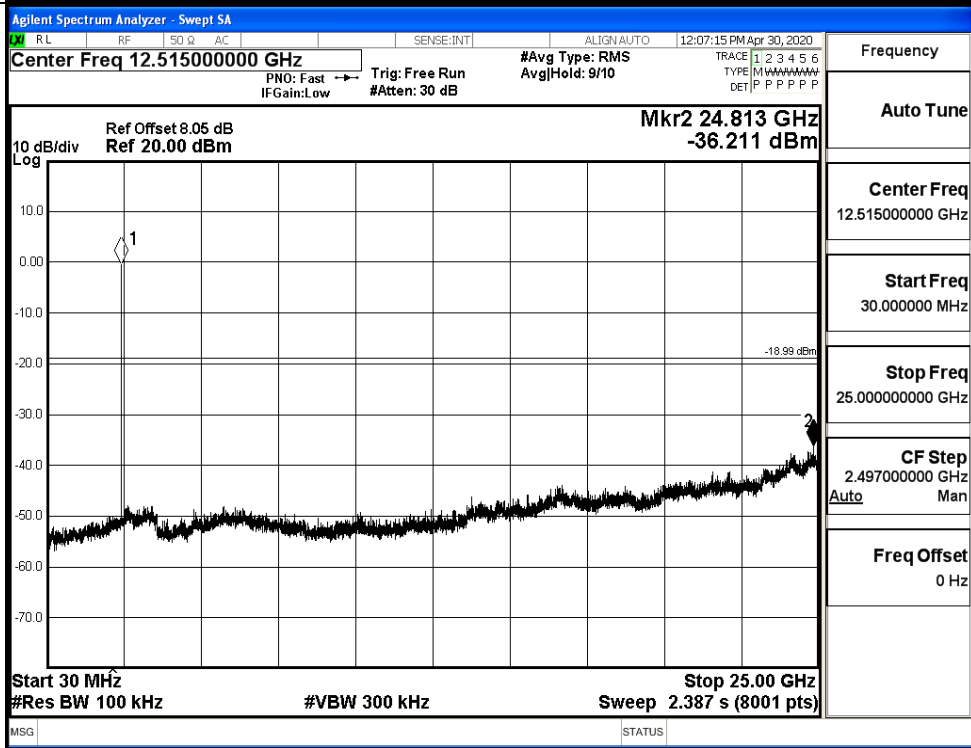


BT LE\_MCH\_Graphs

Pref/BT LE/MCH

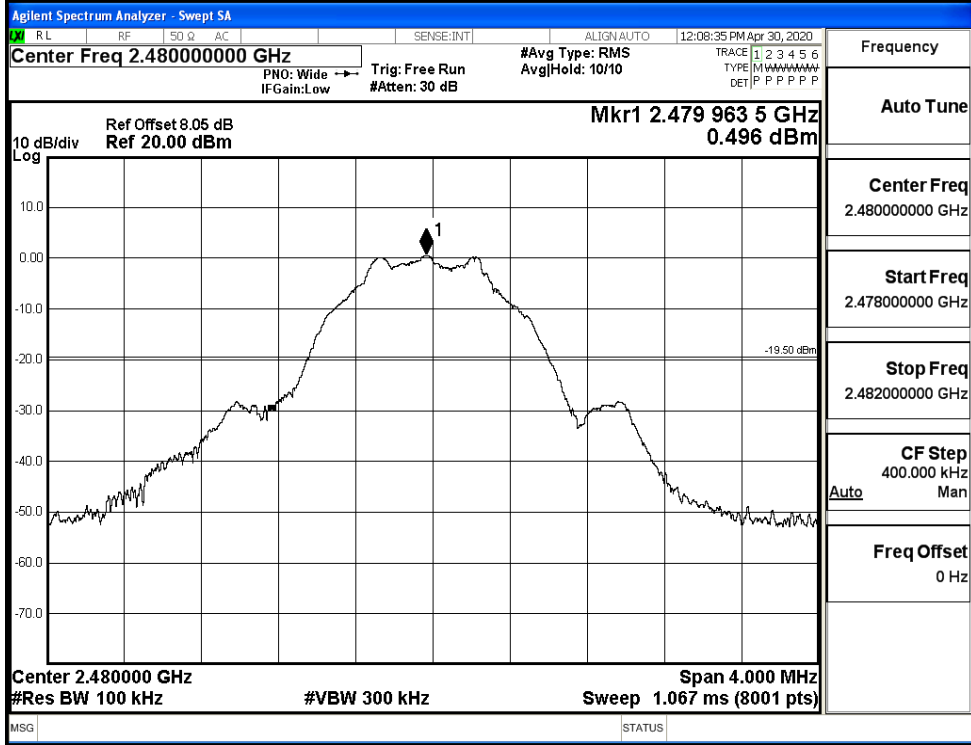


Puw/BT LE/MCH

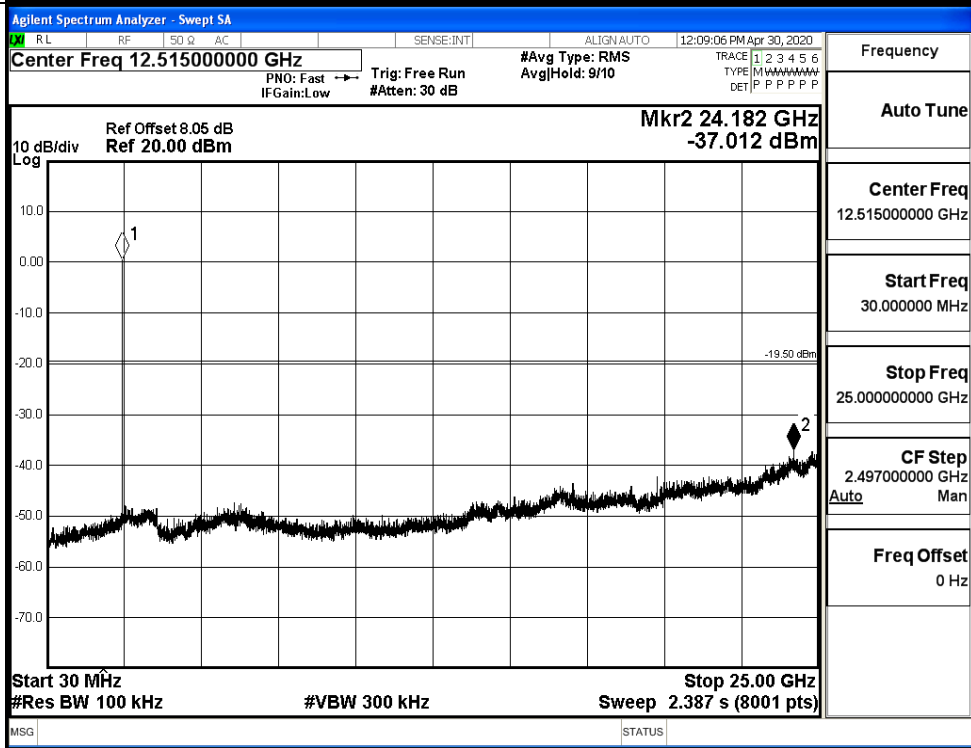


BT LE\_HCH\_Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH



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

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.544	-50.109	-17.46	PASS
BT LE	HCH	0.662	-49.269	-19.34	PASS

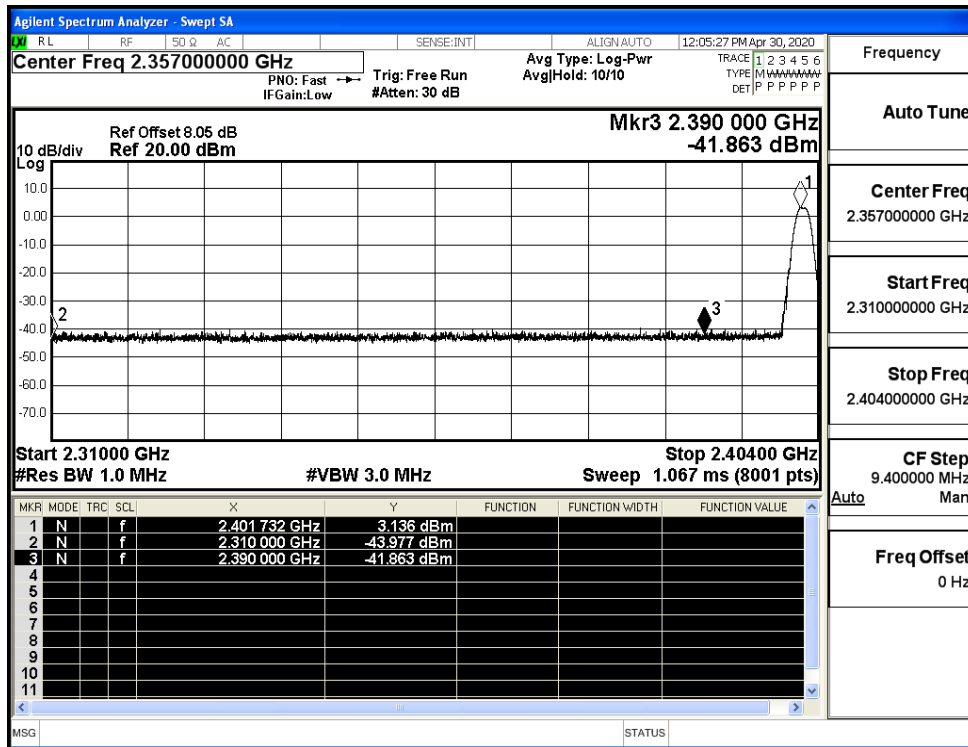
Test Graphs

LCH	<p>Agilent Spectrum Analyzer - Swept SA                  Center Freq 2.35700000 GHz                  Max Spurious Level -50.109 dBm                  Mkr4 2.316 357 GHz                  Start 2.31000 GHz, Stop 2.40400 GHz</p> <table border="1" style="width: 100%; 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>2.402 202 GHz</td><td>2.544 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>-50.964 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>-53.592 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>N</td><td>f</td><td></td><td>2.316 357 GHz</td><td>-50.109 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		2.402 202 GHz	2.544 dBm				2	N	f		2.400 000 GHz	-50.964 dBm				3	N	f		2.390 000 GHz	-53.592 dBm				4	N	f		2.316 357 GHz	-50.109 dBm				Frequency Auto Tune Center Freq 2.35700000 GHz Start Freq 2.310000000 GHz Stop Freq 2.404000000 GHz CF Step 9.400000 MHz Freq Offset 0 Hz
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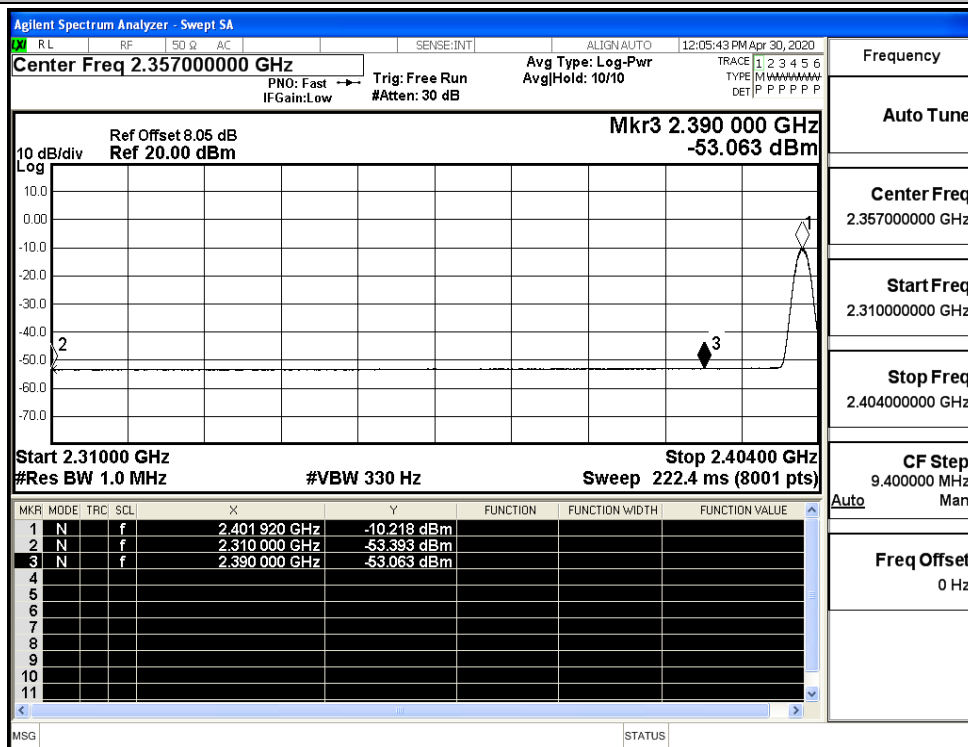
## B.7 Restrict-band band-edge measurements

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	-43.98	4.5	0	55.78	PEAK	74	PASS
		Ant1	2310.0	-53.39	4.5	0	46.37	AV	54	PASS
		Ant1	2390.0	-41.86	4.5	0	57.9	PEAK	74	PASS
		Ant1	2390.0	-53.06	4.5	0	46.7	AV	54	PASS
	2480	Ant1	2483.5	-41.47	4.5	0	58.29	PEAK	74	PASS
		Ant1	2483.5	-52.46	4.5	0	47.3	AV	54	PASS
		Ant1	2500.0	-42.48	4.5	0	57.28	PEAK	74	PASS
		Ant1	2500.0	-52.41	4.5	0	47.35	AV	54	PASS

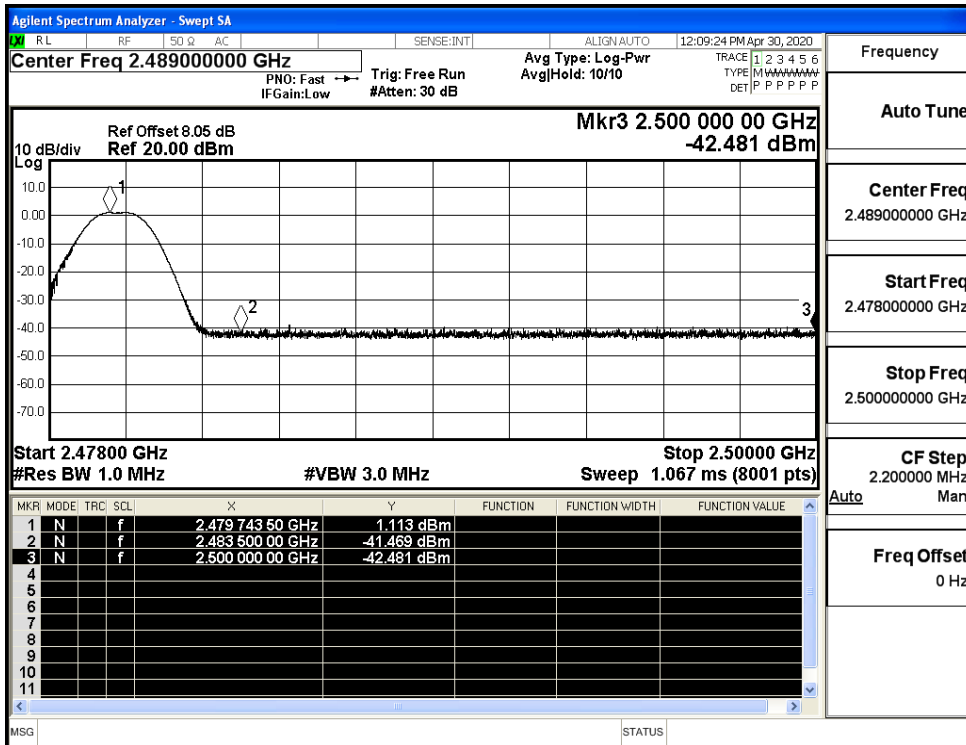
Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_PEAK



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

