

## Appendix B

### RF Test Data for BT LE (Conducted Measurement)

Product Name: Tablet PC



Trade Mark:

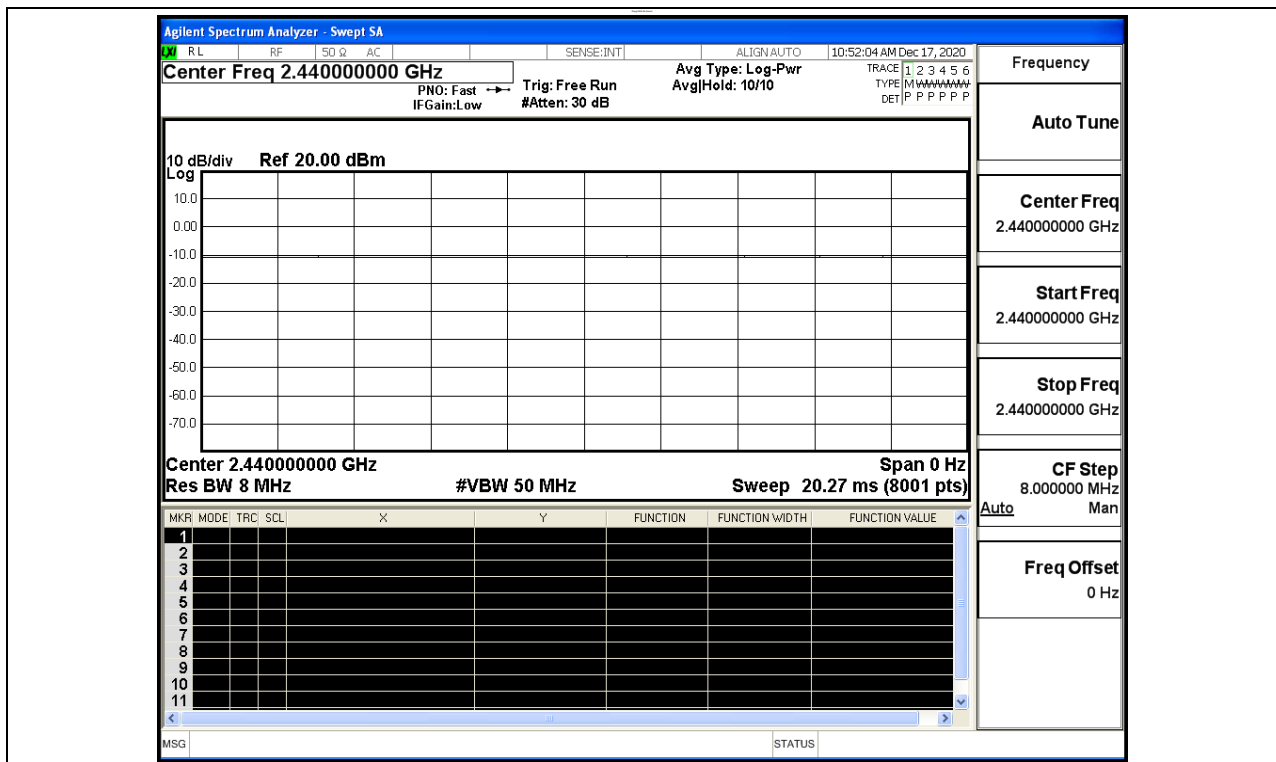
Test Model: DT1052

#### Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

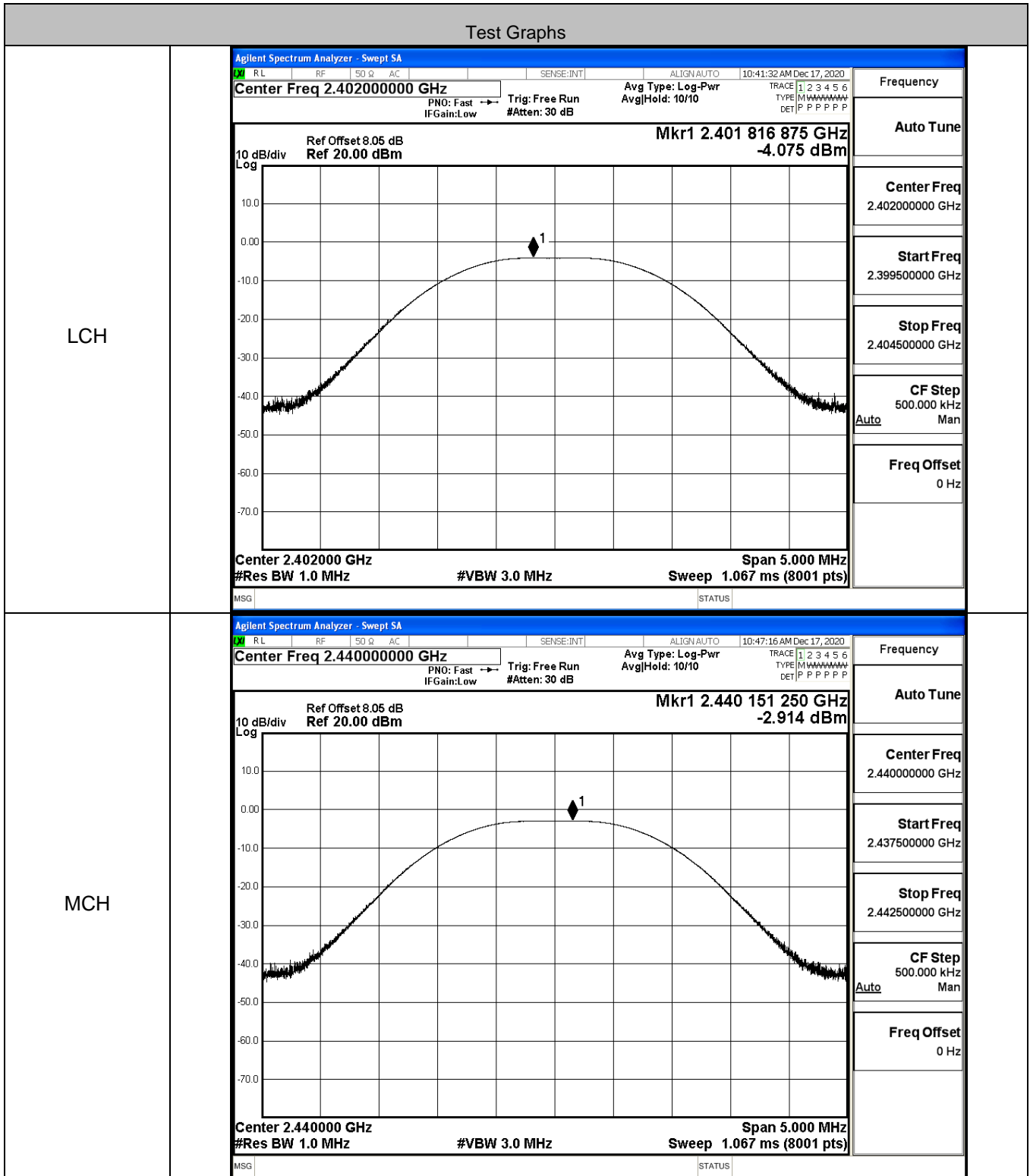
#### B.1 Duty Cycle

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

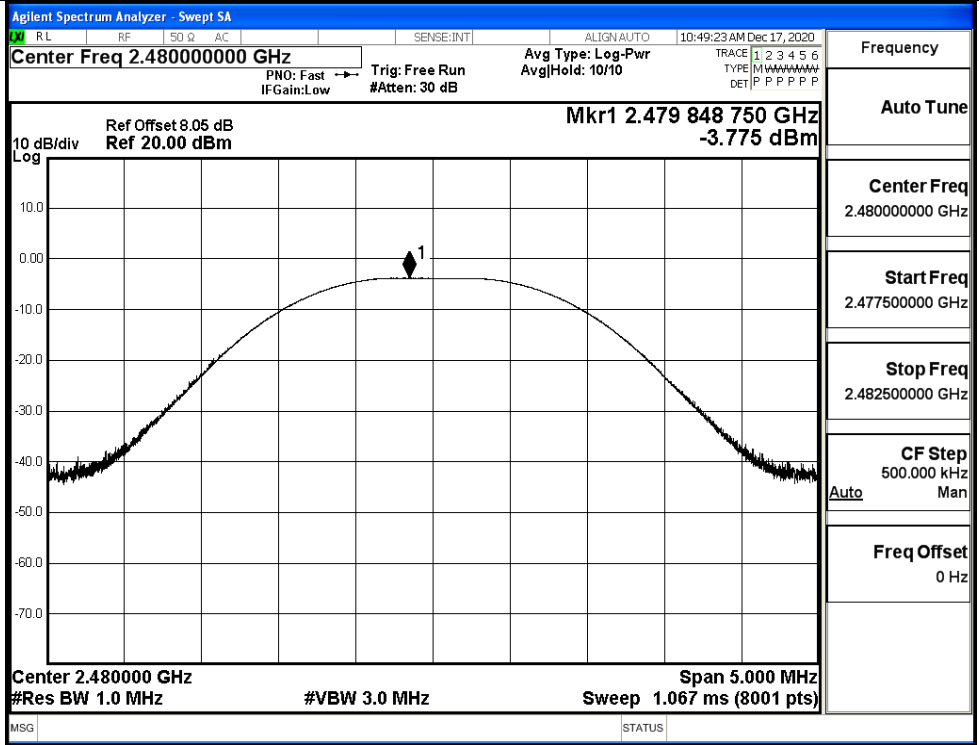


### B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.075	30	PASS
BT LE	MCH	-2.914	30	PASS
BT LE	HCH	-3.775	30	PASS

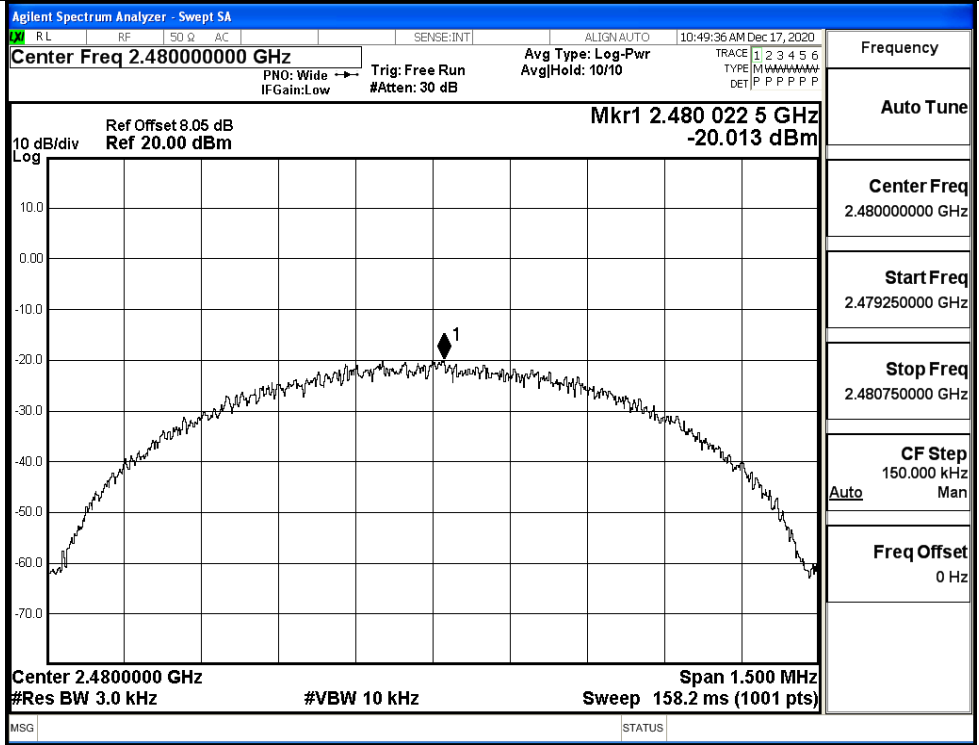


HCH





HCH

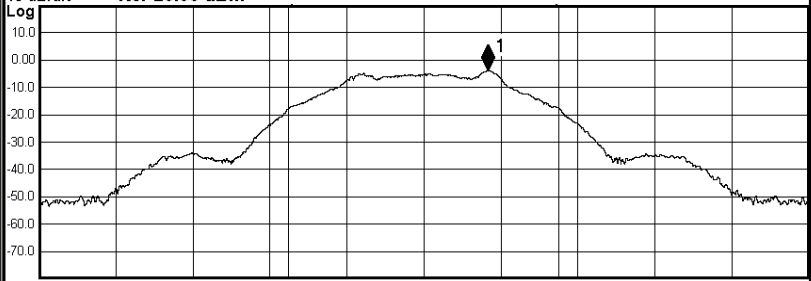


**B.4 6dB Bandwidth**

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6740	≥0.5	PASS
BT LE	MCH	0.6585	≥0.5	PASS
BT LE	HCH	0.6663	≥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 10:41:21 AM Dec 17, 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                      #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <div style="border: 1px solid black; padding: 2px;"> <p style="text-align: right; margin: 0;">Mkr1 2.4022636 GHz -4.4601 dBm</p> </div> <p style="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%; font-size: small; border-collapse: collapse;"> <tr> <td style="width: 50%;">Occupied Bandwidth</td> <td style="width: 50%;">Total Power</td> <td colspan="2">2.26 dBm</td> </tr> <tr> <td colspan="4" style="text-align: center;"><b>1.0533 MHz</b></td> </tr> <tr> <td>Transmit Freq Error</td> <td>15 Hz</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>674.0 kHz</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	2.26 dBm		<b>1.0533 MHz</b>				Transmit Freq Error	15 Hz	OBW Power	99.00 %	x dB Bandwidth	674.0 kHz	x dB	-6.00 dB
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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 10:47:04 AM Dec 17, 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="border: 1px solid black; padding: 2px;"> <p style="text-align: right; margin: 0;">Mkr1 2.440249 GHz -3.0766 dBm</p> </div> <p style="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%; font-size: small; border-collapse: collapse;"> <tr> <td style="width: 50%;">Occupied Bandwidth</td> <td style="width: 50%;">Total Power</td> <td colspan="2">3.46 dBm</td> </tr> <tr> <td colspan="4" style="text-align: center;"><b>1.0525 MHz</b></td> </tr> <tr> <td>Transmit Freq Error</td> <td>3.402 kHz</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>658.5 kHz</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	3.46 dBm		<b>1.0525 MHz</b>				Transmit Freq Error	3.402 kHz	OBW Power	99.00 %	x dB Bandwidth	658.5 kHz	x dB	-6.00 dB
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<b>1.0525 MHz</b>																	
Transmit Freq Error	3.402 kHz	OBW Power	99.00 %														
x dB Bandwidth	658.5 kHz	x dB	-6.00 dB														

HCH

Agilent Spectrum Analyzer - Occupied BW			
RL	RF	50 Ω	AC
SENSE:INT		ALIGN:AUTO	
10:49:12 AM Dec 17, 2020			
<b>Center Freq 2.480000000 GHz</b>		Center Freq: 2.480000000 GHz	Radio Std: None
		Trig: Free Run	AvgHold: 1/1
		#IFGain:Low	#Atten: 30 dB
Radio Device: BTS			
10 dB/div		Ref Offset 8.05 dB	<b>Mkr1 2.480249 GHz</b>
Log		Ref 20.00 dBm	-4.0052 dBm
			
Center 2.48 GHz		#VBW 300 kHz	Span 3 MHz
#Res BW 100 kHz		Sweep 1.067 ms	
<b>Occupied Bandwidth</b>		<b>Total Power</b>	<b>2.57 dBm</b>
<b>1.0502 MHz</b>			
Transmit Freq Error	-216 Hz	OBW Power	99.00 %
x dB Bandwidth	666.3 kHz	x dB	-6.00 dB
MSG		STATUS	

Frequency

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Center Freq  
2.480000000 GHz

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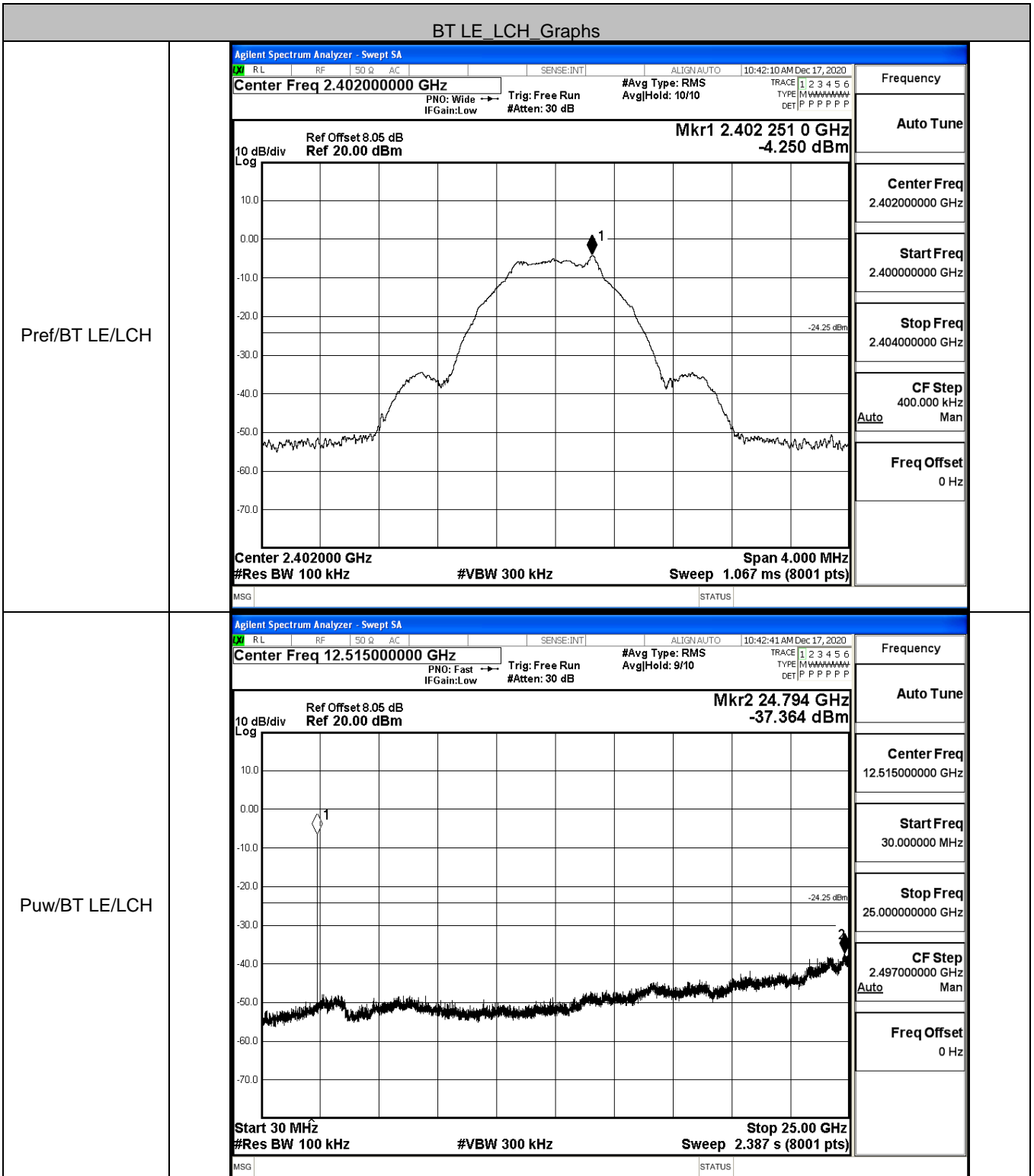
CF Step  
300.000 kHz  
Auto Man

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Freq Offset  
0 Hz

### B.5 RF Conducted Spurious Emissions

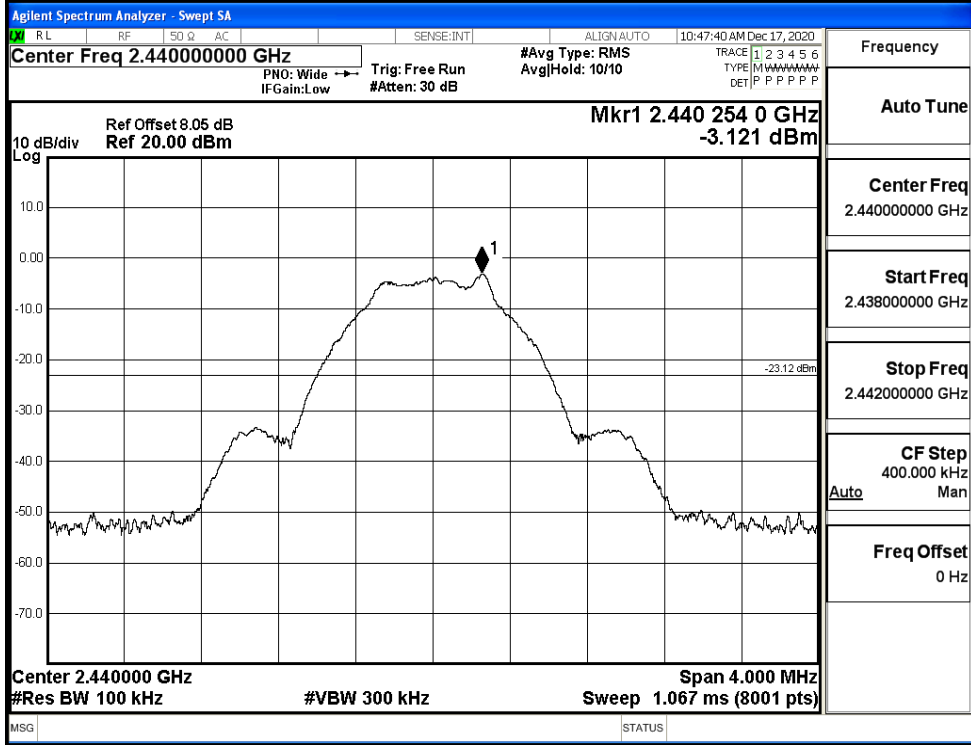
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.25	-37.364	-24.250	PASS
BT LE	MCH	-3.121	-36.799	-23.121	PASS
BT LE	HCH	-4.002	-37.232	-24.002	PASS



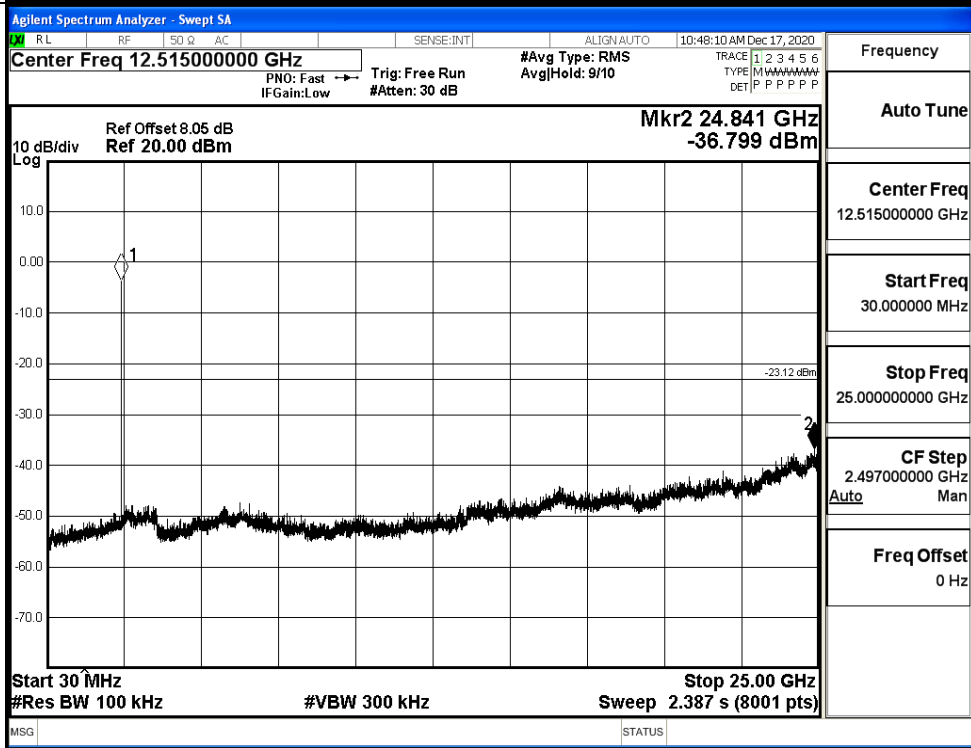


BT LE\_MCH\_Graphs

Pref/BT LE/MCH

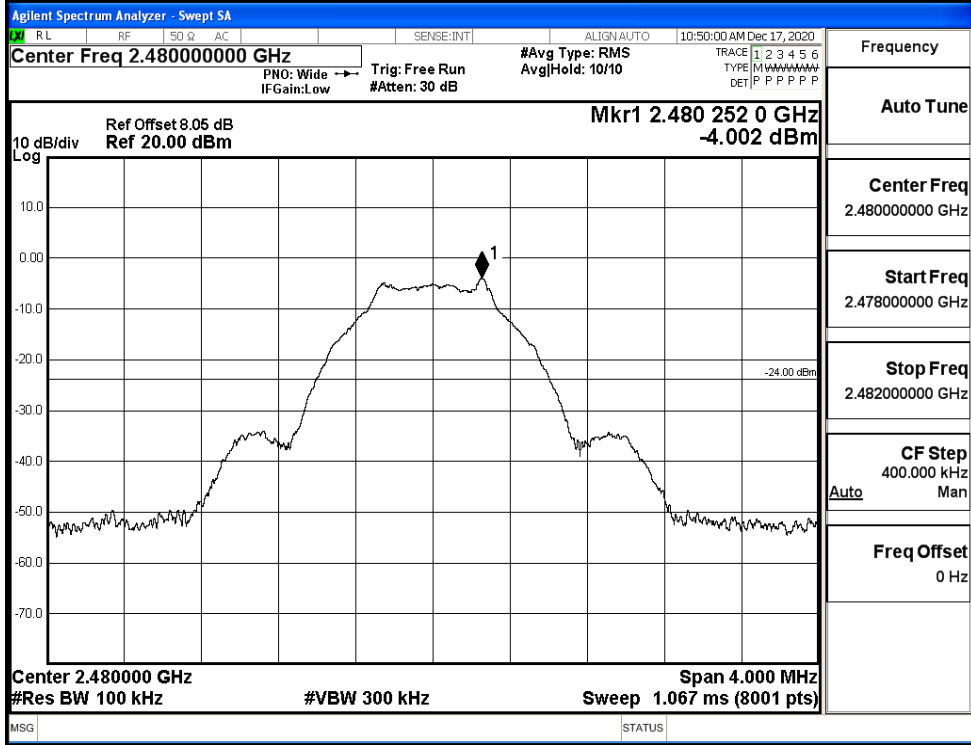


Puw/BT LE/MCH

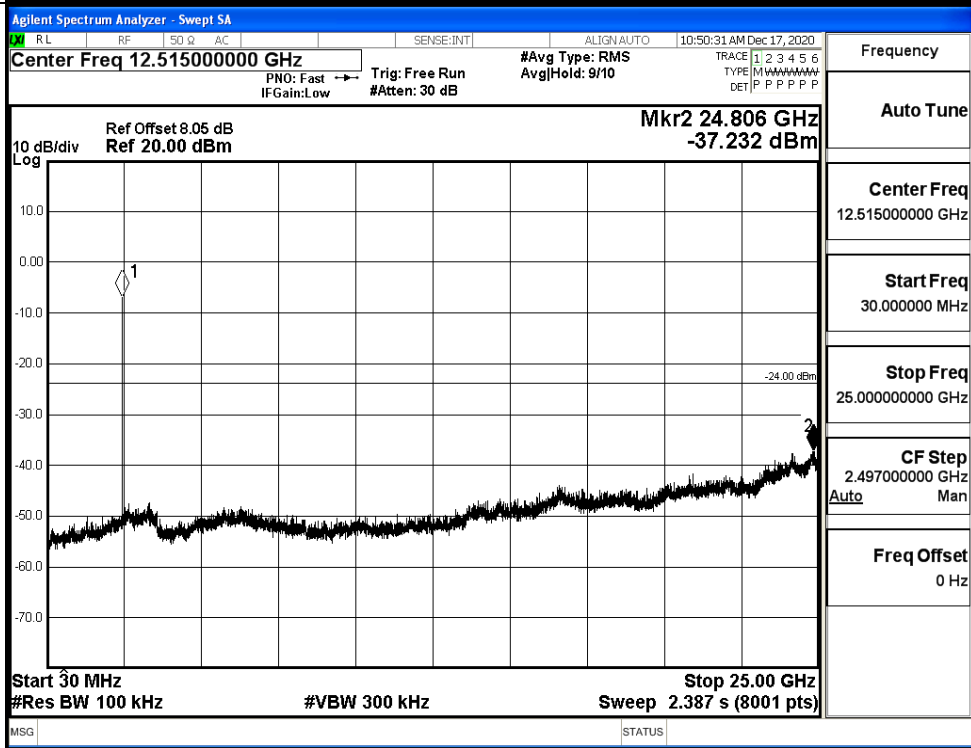


BT LE\_HCH\_Graphs

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	-4.230	-49.110	-24.23	PASS
BT LE	HCH	-3.954	-49.309	-23.95	PASS

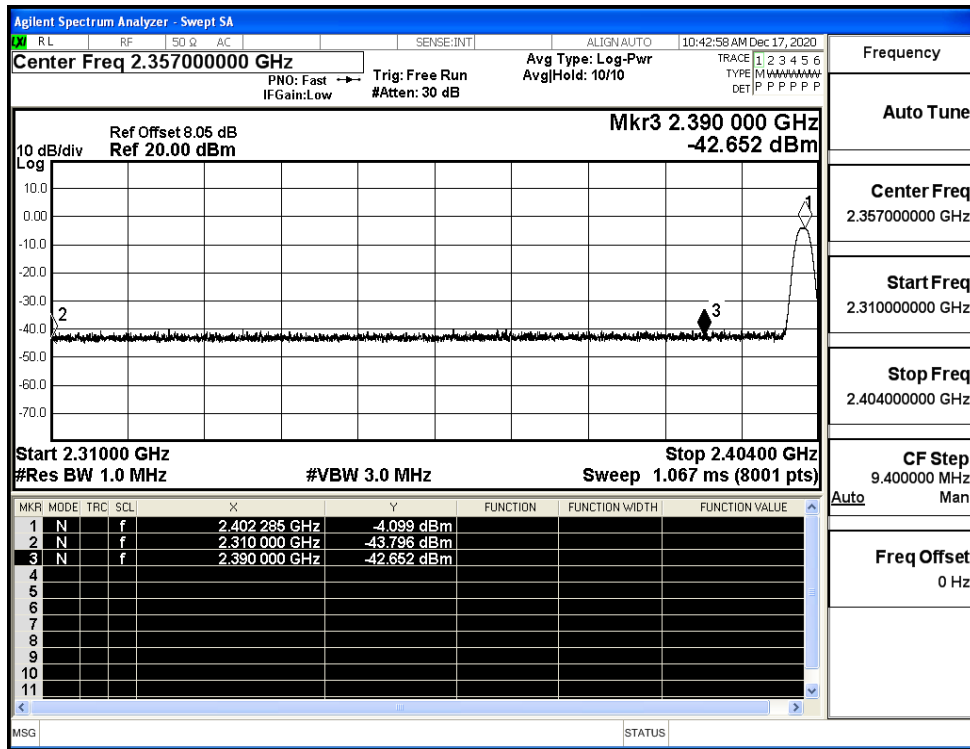
Test Graphs

LCH	<p>Agilent Spectrum Analyzer - Swept SA                  Center Freq 2.35700000 GHz                  Ref Offset 8.05 dB Ref 20.00 dBm                  Mkr4 2.363 075 GHz -49.110 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" style="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>2.402 249 GHz</td><td>-4.230 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>-53.247 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>-51.982 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>N</td><td>f</td><td></td><td>2.363 075 GHz</td><td>-49.110 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		2.402 249 GHz	-4.230 dBm				2	N	f		2.400 000 GHz	-53.247 dBm				3	N	f		2.390 000 GHz	-51.982 dBm				4	N	f		2.363 075 GHz	-49.110 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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HCH	<p>Agilent Spectrum Analyzer - Swept SA                  Center Freq 2.48900000 GHz                  Ref Offset 8.05 dB Ref 20.00 dBm                  Mkr4 2.492 126 75 GHz -49.309 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" style="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>2.480 262 25 GHz</td><td>-3.954 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>-53.083 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>-53.114 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>N</td><td>f</td><td></td><td>2.492 126 75 GHz</td><td>-49.309 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		2.480 262 25 GHz	-3.954 dBm				2	N	f		2.483 500 00 GHz	-53.083 dBm				3	N	f		2.500 000 00 GHz	-53.114 dBm				4	N	f		2.492 126 75 GHz	-49.309 dBm				Frequency Auto Tune Center Freq 2.489000000 GHz Start Freq 2.478000000 GHz Stop Freq 2.500000000 GHz CF Step 2.200000 MHz Freq Offset 0 Hz
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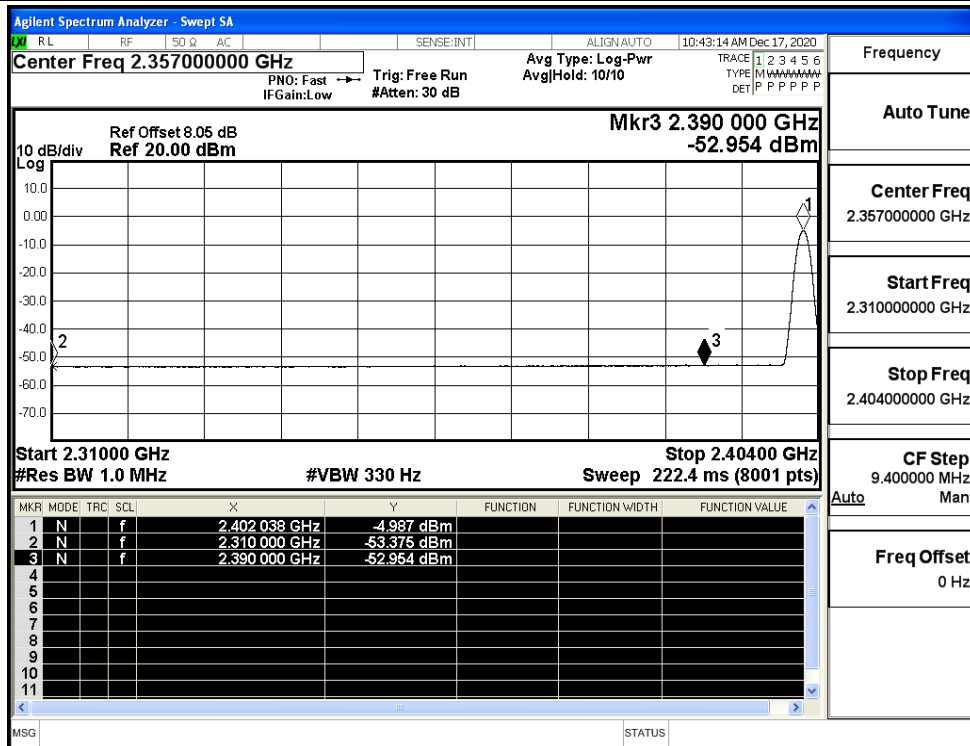
## B.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BT LE	2402	2310.0	-43.80	2.0	0	53.43	PEAK	74	PASS
		2310.0	-53.38	2.0	0	43.85	AV	54	PASS
		2390.0	-42.65	2.0	0	54.58	PEAK	74	PASS
		2390.0	-52.95	2.0	0	44.28	AV	54	PASS
	2480	2483.5	-42.05	2.0	0	55.18	PEAK	74	PASS
		2483.5	-52.58	2.0	0	44.65	AV	54	PASS
		2500.0	-42.37	2.0	0	54.86	PEAK	74	PASS
		2500.0	-52.37	2.0	0	44.86	AV	54	PASS

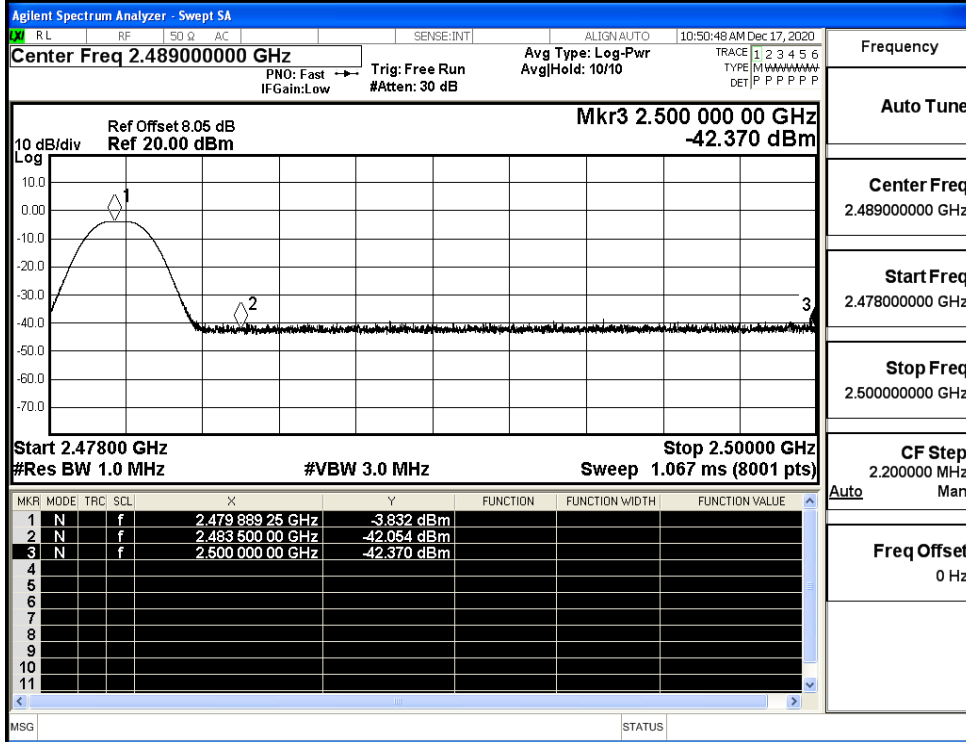
Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_PEAK



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

