

Appendix A

RF Test Data for 2.4G (Conducted Measurement)

Product Name: Digital Video Baby Monitor

Trade Mark: N/A

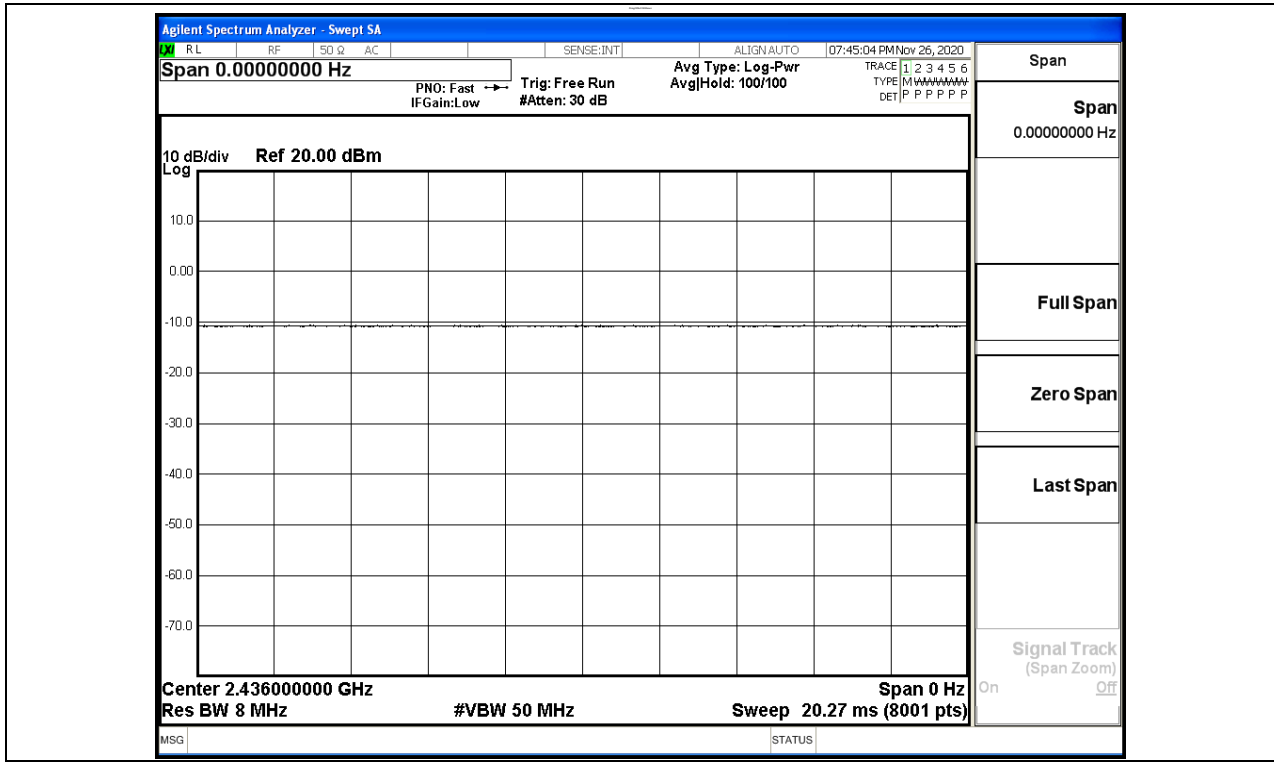
Test Model: VB603-C

Environmental Conditions

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

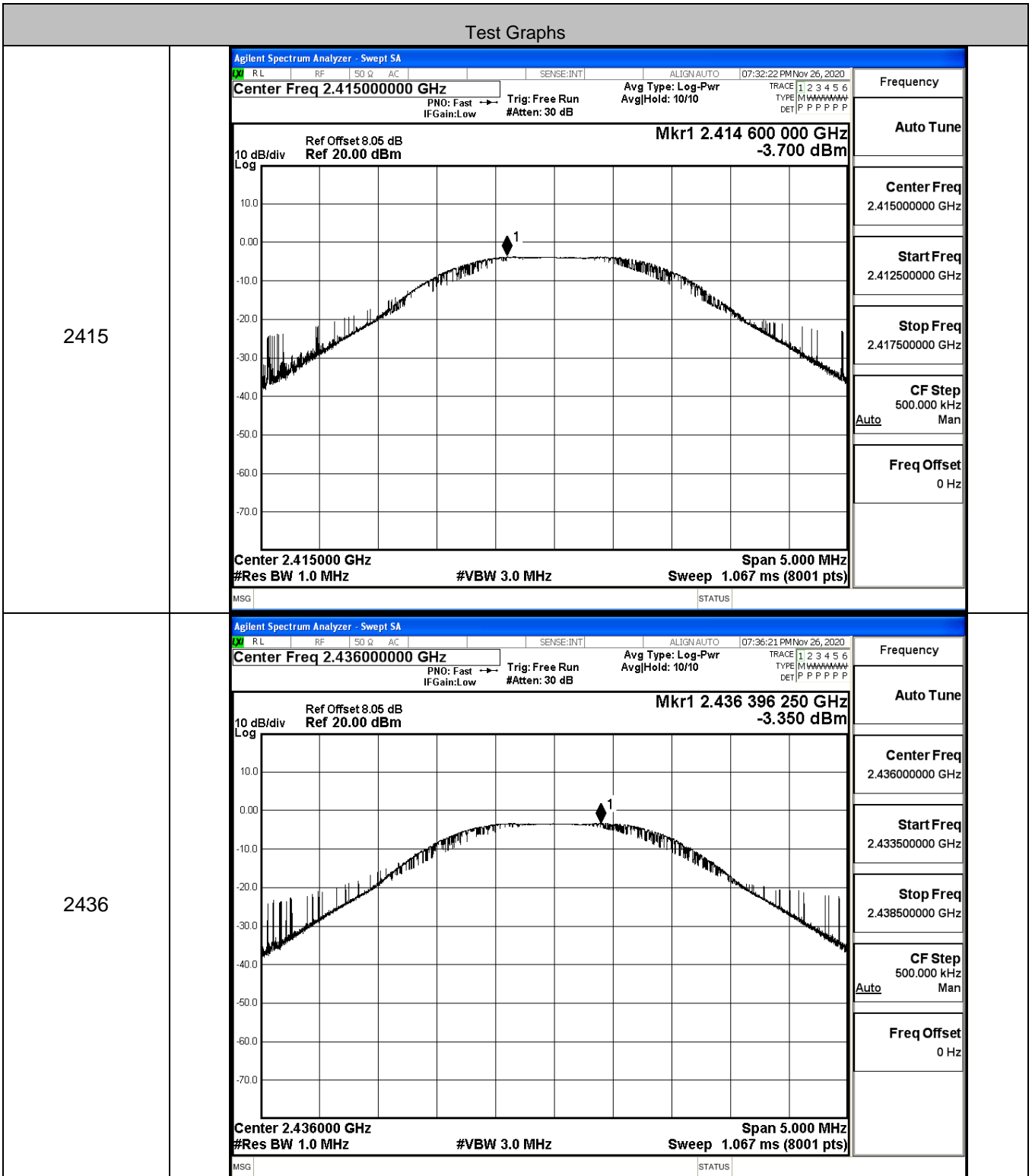
A.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
2.4G	2436	Ant1	100	PASS

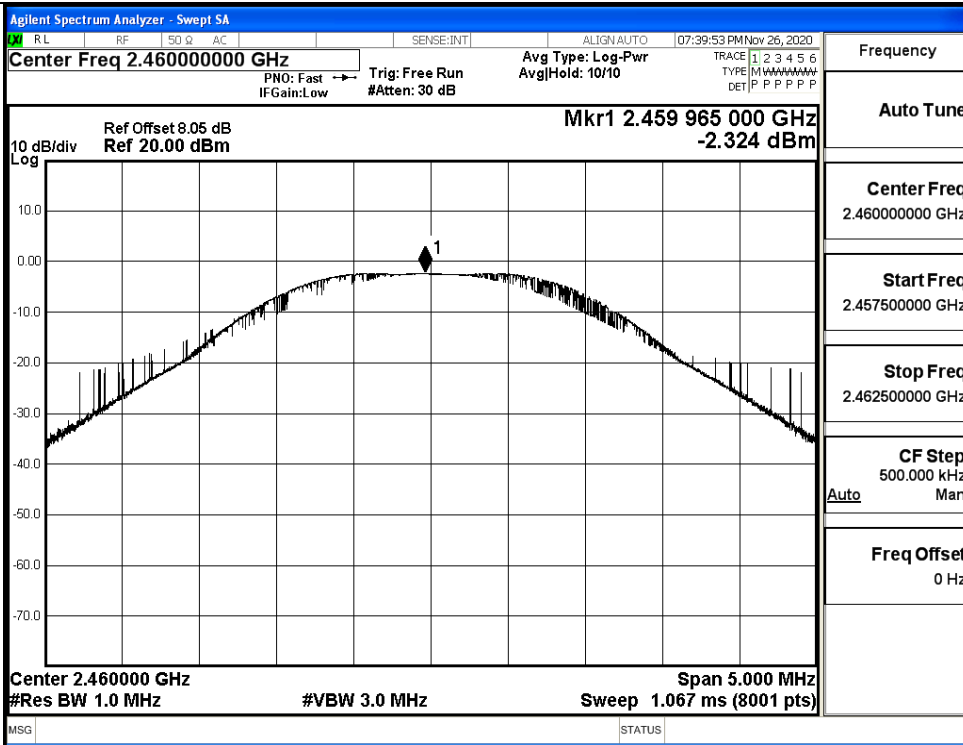


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
2.4G	2415	-3.7	30	PASS
2.4G	2436	-3.35	30	PASS
2.4G	2460	-2.324	30	PASS

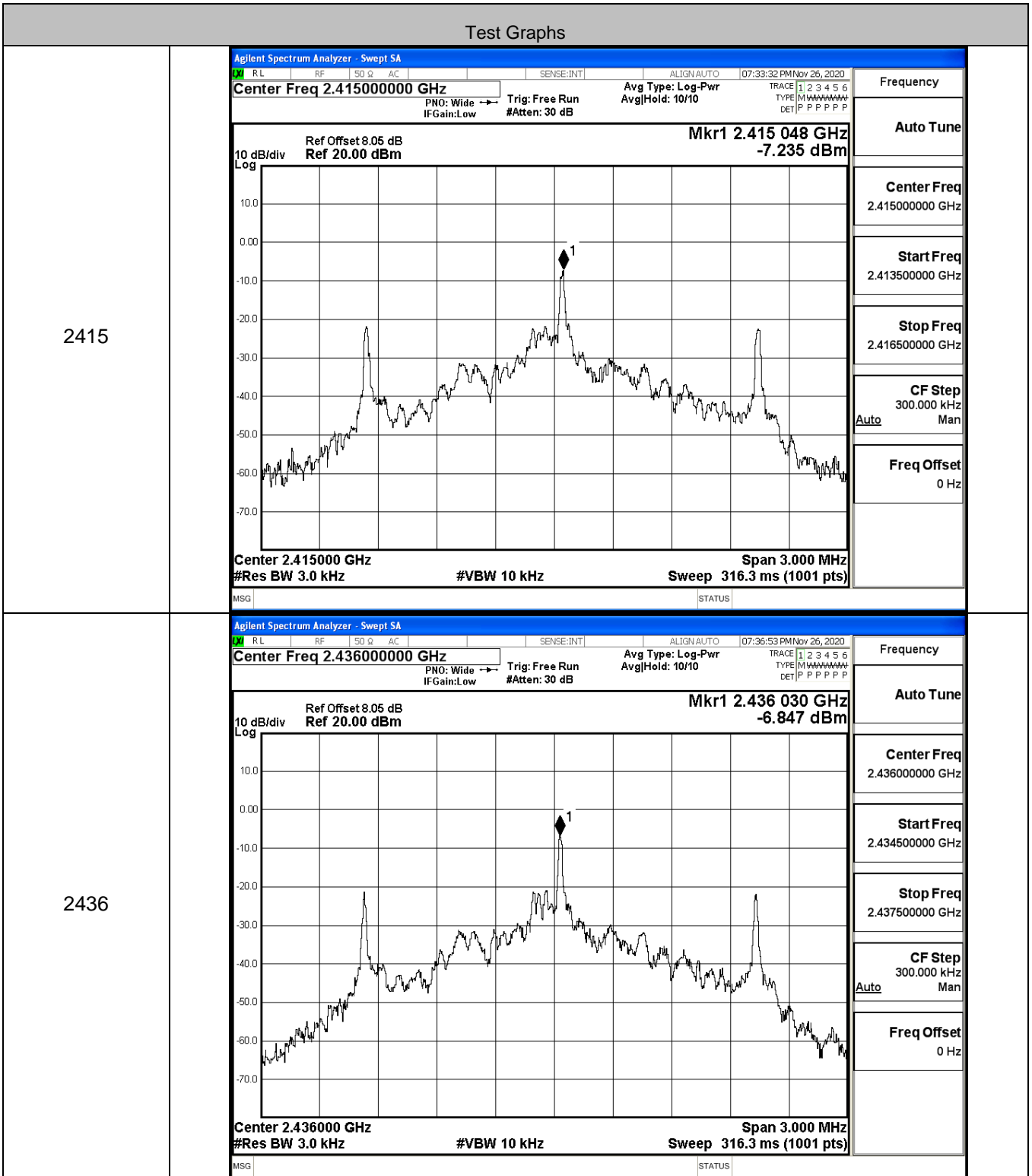


2460



A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
2.4G	2415	-7.235	8	PASS
2.4G	2436	-6.847	8	PASS
2.4G	2460	-5.659	8	PASS



2460

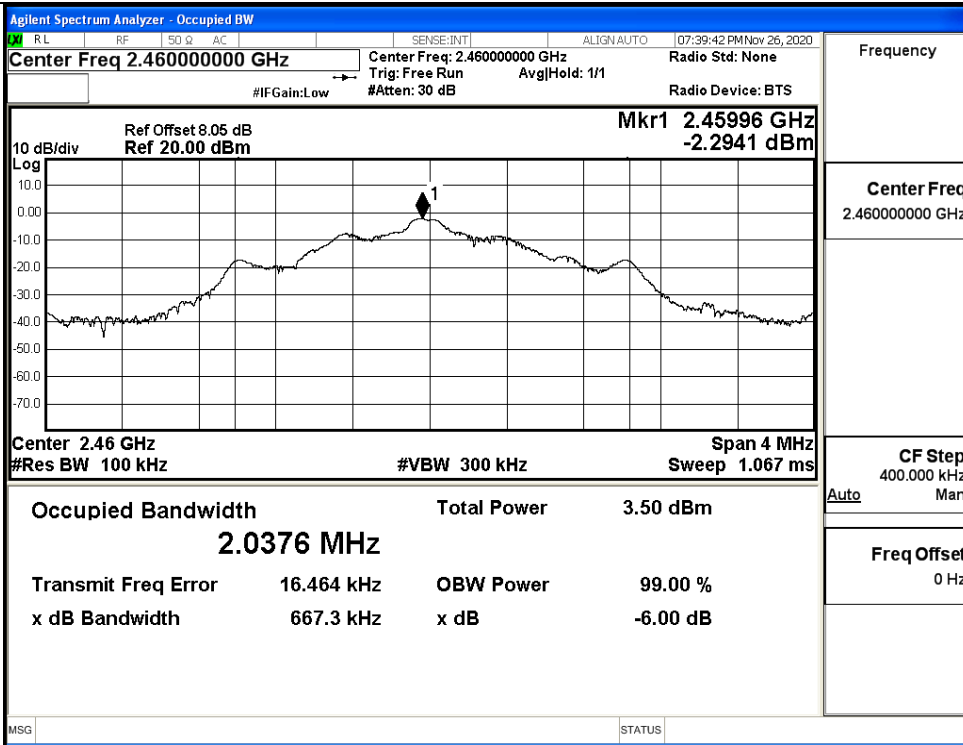


A.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
2.4G	2415	0.7844	≥0.5	PASS
2.4G	2436	0.6787	≥0.5	PASS
2.4G	2460	0.6673	≥0.5	PASS

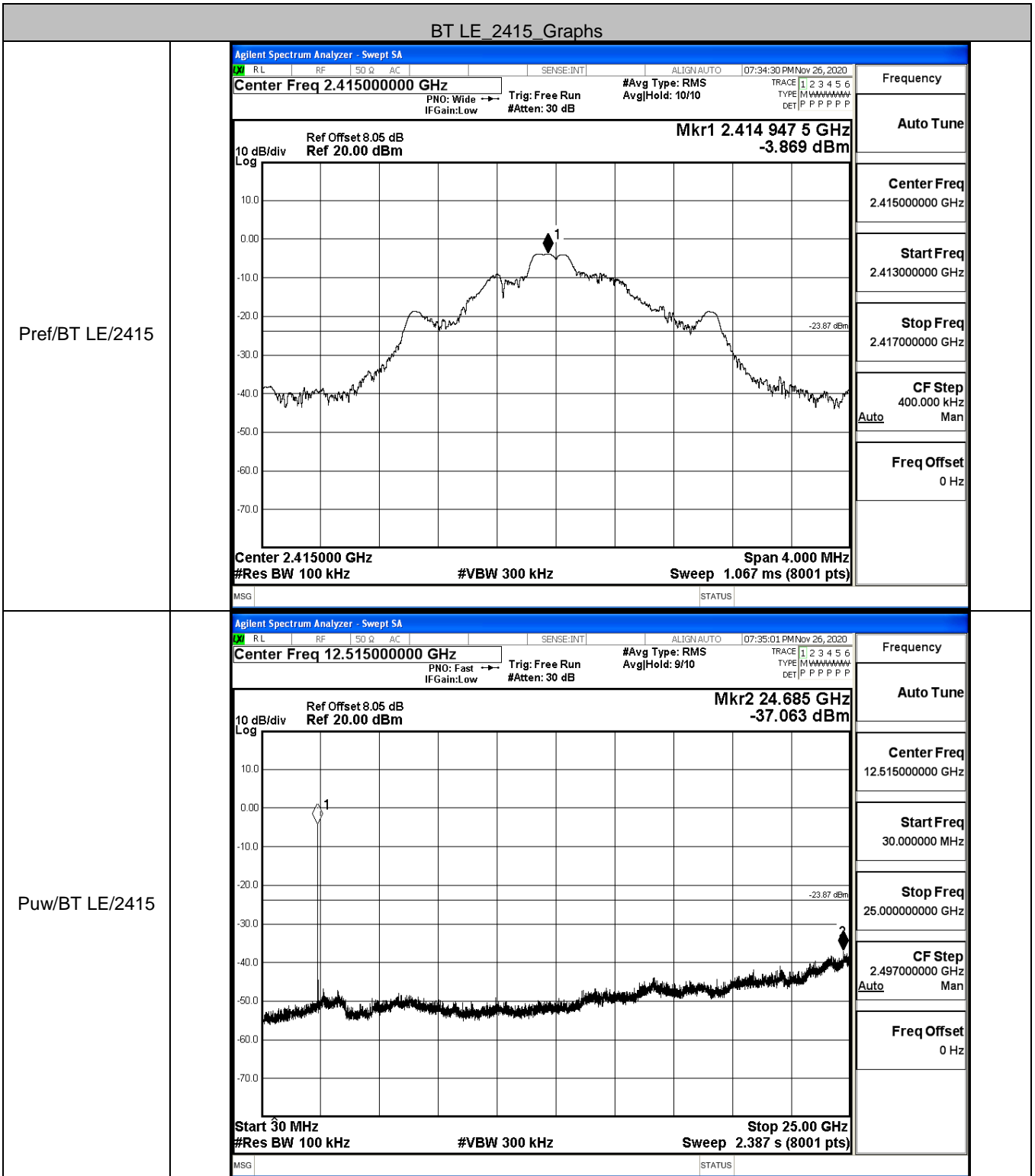
Test Graphs																			
2415	<div data-bbox="419 562 1390 1294"> <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.415000000 GHz Center Freq: 2.415000000 GHz Radio Std: None</p> <p>Trig: Free Run AvgHold: 1/1 Radio Device: BTS</p> <p>#IFGain:Low #Atten: 30 dB</p> <p>Ref Offset 8.05 dB Mkr1 2.414951 GHz</p> <p>Ref 20.00 dBm -3.8740 dBm</p> <p>Center 2.415 GHz Span 4 MHz</p> <p>#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>2.32 dBm</td> </tr> <tr> <td>2.0249 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>46.497 kHz</td> <td></td> <td></td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>784.4 kHz</td> <td></td> <td></td> </tr> </table> <p>MSG STATUS</p> </div>	Occupied Bandwidth	Total Power	2.32 dBm	2.0249 MHz			Transmit Freq Error	OBW Power	99.00 %	46.497 kHz			x dB Bandwidth	x dB	-6.00 dB	784.4 kHz		
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2.0249 MHz																			
Transmit Freq Error	OBW Power	99.00 %																	
46.497 kHz																			
x dB Bandwidth	x dB	-6.00 dB																	
784.4 kHz																			
2436	<div data-bbox="419 1305 1390 2040"> <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.436000000 GHz Center Freq: 2.436000000 GHz Radio Std: None</p> <p>Trig: Free Run AvgHold: >1/1 Radio Device: BTS</p> <p>#IFGain:Low #Atten: 30 dB</p> <p>Ref Offset 8.05 dB Mkr1 2.4359545 GHz</p> <p>Ref 20.00 dBm -3.3854 dBm</p> <p>Center 2.436 GHz Span 4 MHz</p> <p>#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>2.84 dBm</td> </tr> <tr> <td>2.0213 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>37.079 kHz</td> <td></td> <td></td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>678.7 kHz</td> <td></td> <td></td> </tr> </table> <p>MSG STATUS</p> </div>	Occupied Bandwidth	Total Power	2.84 dBm	2.0213 MHz			Transmit Freq Error	OBW Power	99.00 %	37.079 kHz			x dB Bandwidth	x dB	-6.00 dB	678.7 kHz		
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x dB Bandwidth	x dB	-6.00 dB																	
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2460



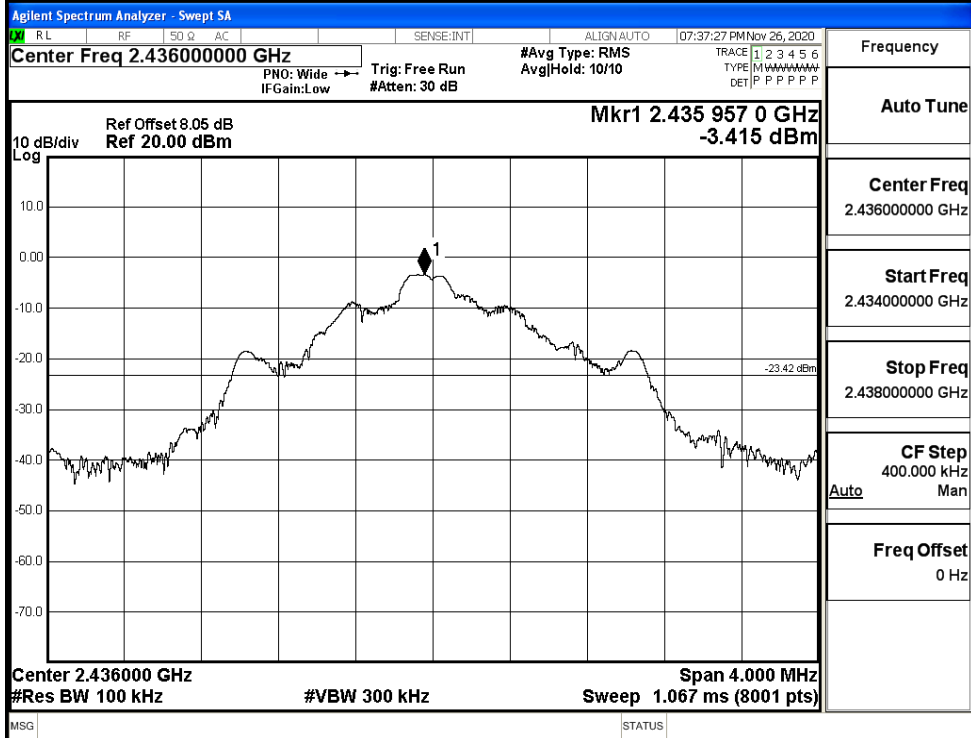
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
2.4G	2415	-3.869	-37.063	-23.869	PASS
2.4G	2436	-3.415	-37.205	-23.415	PASS
2.4G	2460	-2.349	-36.488	-22.349	PASS

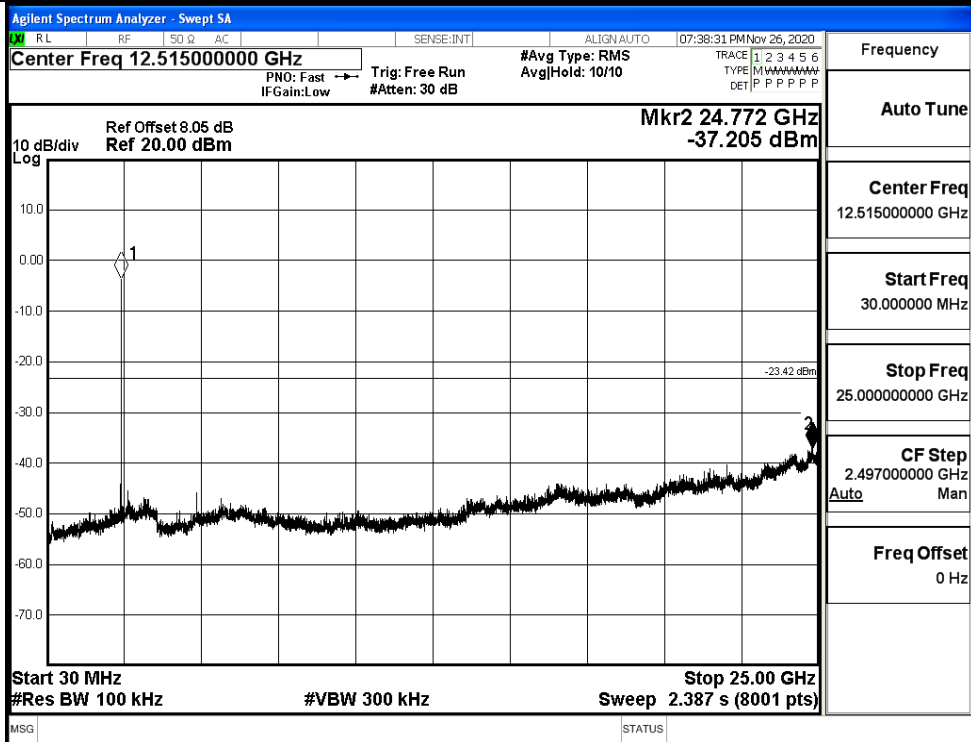


BT LE_2436_Graphs

Pref/BT LE/2436

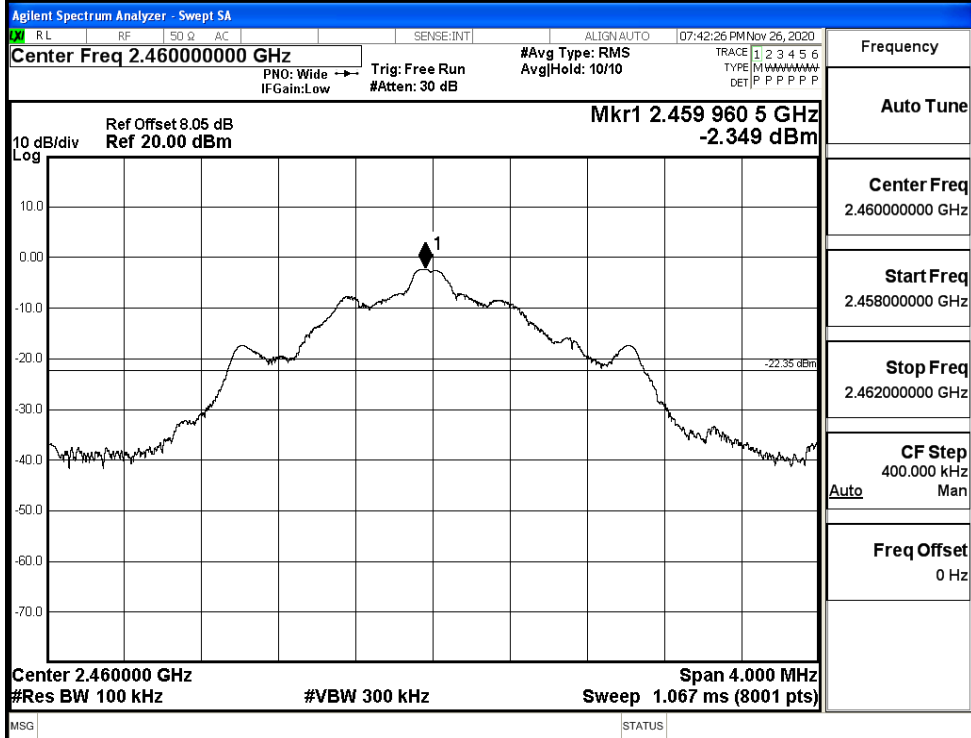


Puw/BT LE/2436

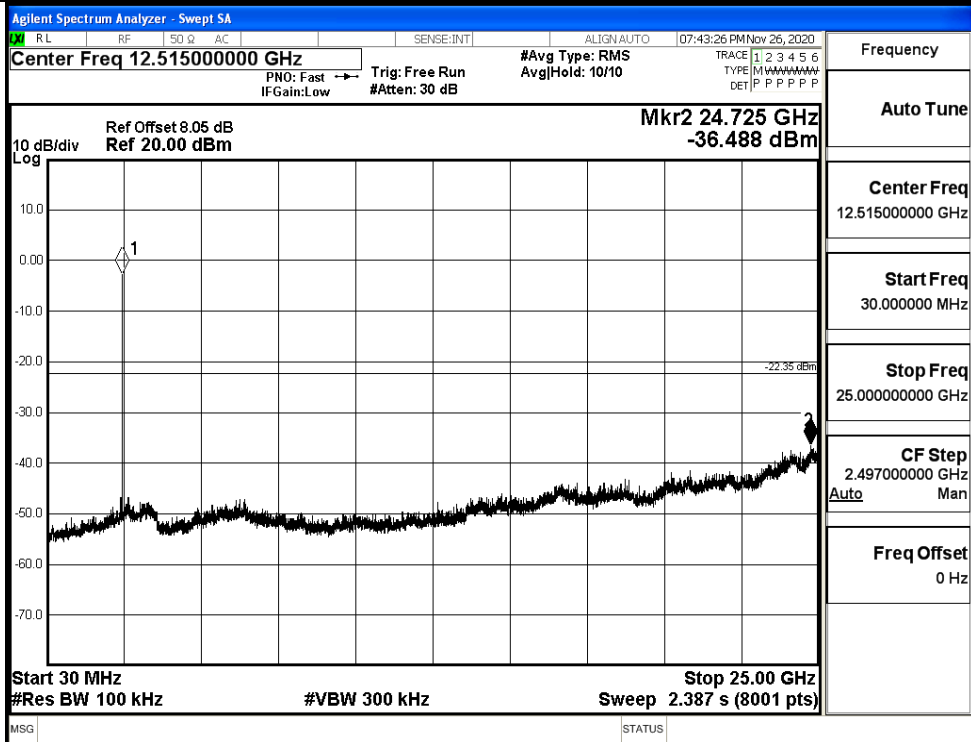


BT LE_2460_Graphs

Pref/BT LE/2460



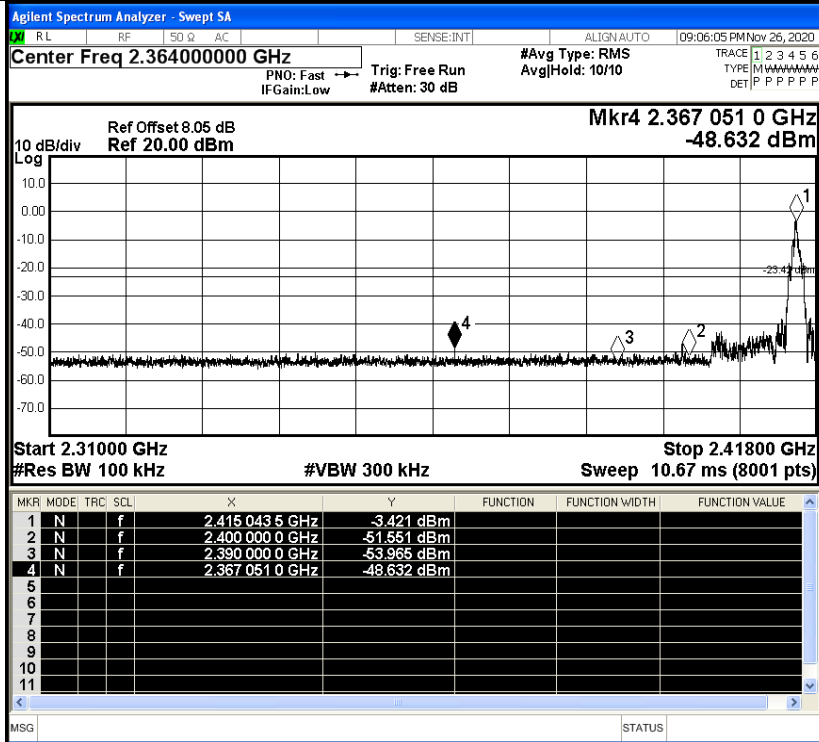
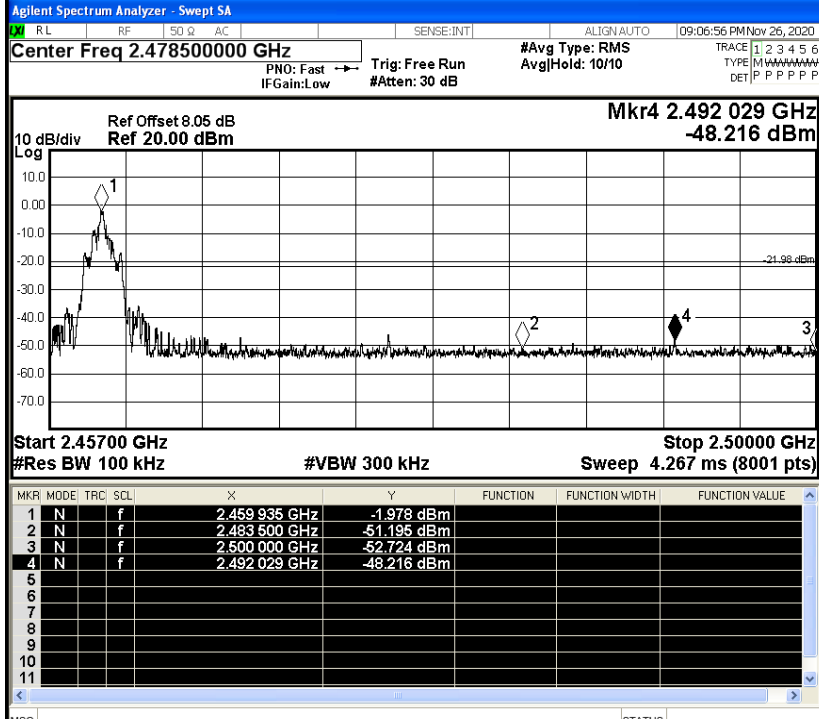
Puw/BT LE/2460



A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
2.4G	LCH	-3.421	-48.632	-23.42	PASS
2.4G	HCH	-1.978	-48.216	-21.98	PASS

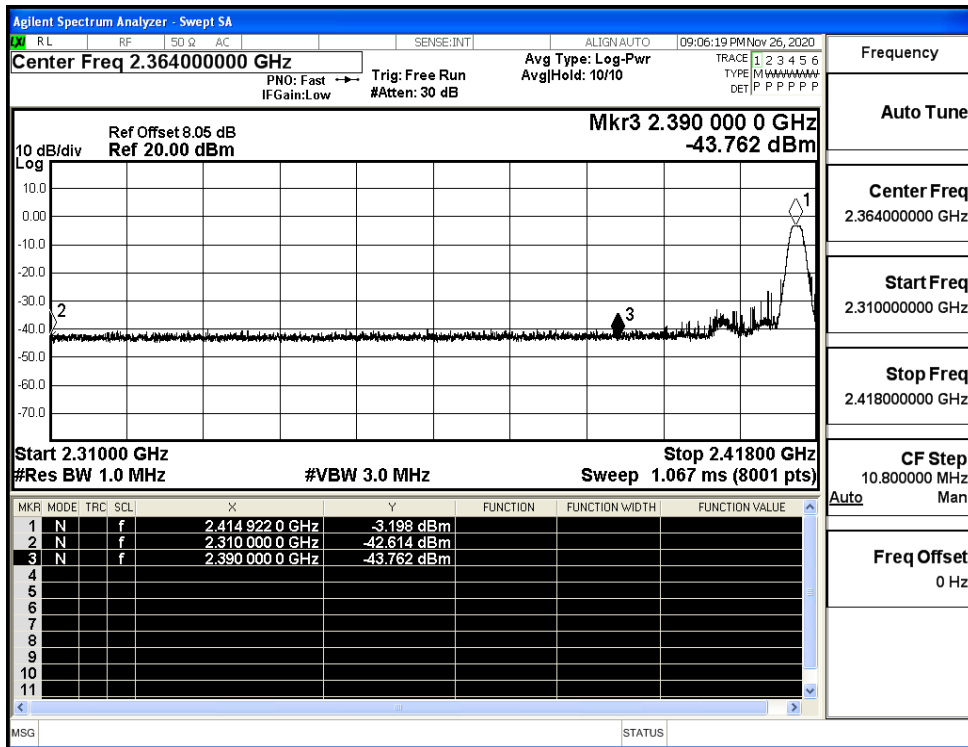
Test Graphs

LCH		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.36400000 GHz</p> <p>Start Freq 2.31000000 GHz</p> <p>Stop Freq 2.41800000 GHz</p> <p>CF Step 10.800000 MHz</p> <p>Freq Offset 0 Hz</p>
HCH		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.47850000 GHz</p> <p>Start Freq 2.45700000 GHz</p> <p>Stop Freq 2.50000000 GHz</p> <p>CF Step 4.300000 MHz</p> <p>Freq Offset 0 Hz</p>

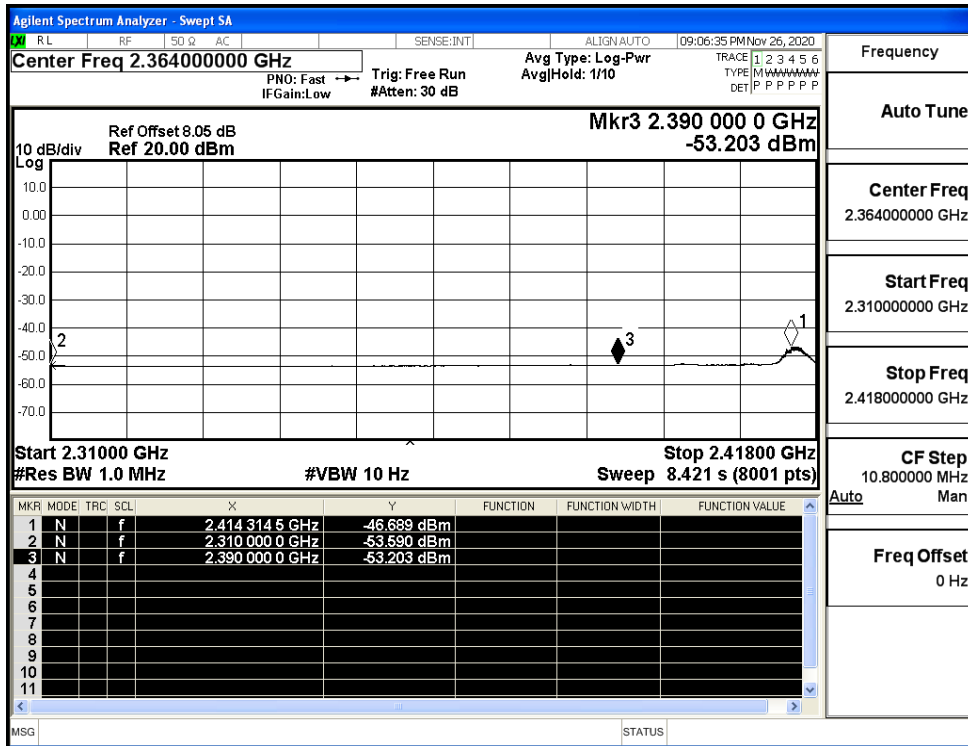
A.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
2.4G	2402	Ant1	2310.0	-42.61	2.0	0	52.64	PEAK	74	PASS
		Ant1	2310.0	-53.59	2.0	0	41.67	AV	54	PASS
		Ant1	2390.0	-43.76	2.0	0	51.50	PEAK	74	PASS
		Ant1	2390.0	-53.20	2.0	0	42.05	AV	54	PASS
	2480	Ant1	2483.5	-41.96	2.0	0	53.30	PEAK	74	PASS
		Ant1	2483.5	-52.86	2.0	0	42.40	AV	54	PASS
		Ant1	2500.0	-42.50	2.0	0	52.76	PEAK	74	PASS
		Ant1	2500.0	-52.61	2.0	0	42.65	AV	54	PASS

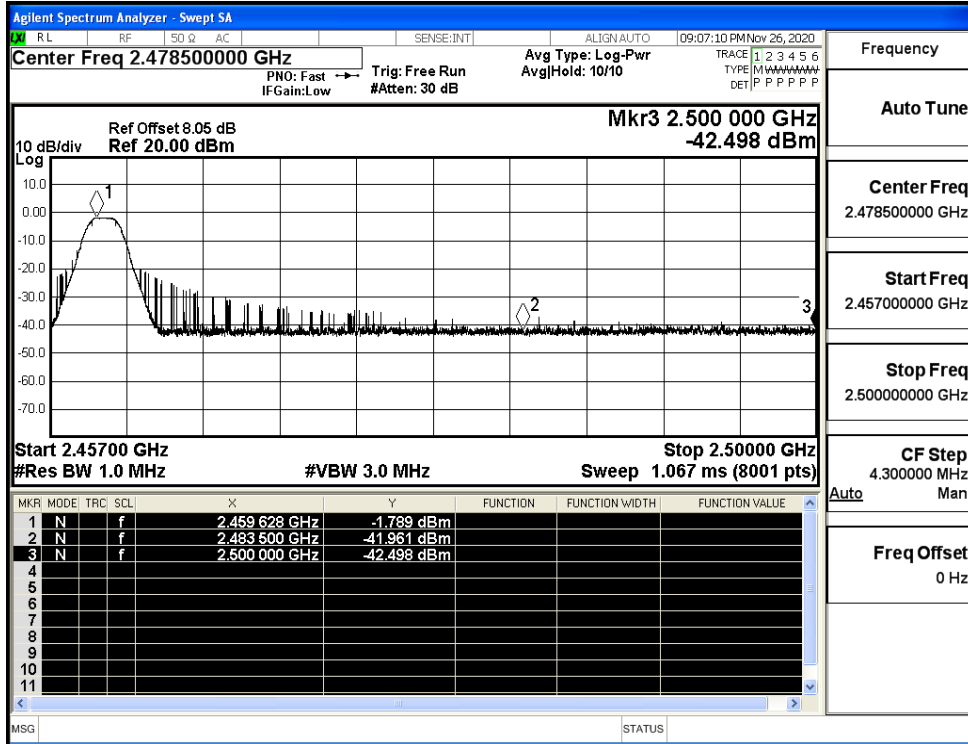
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

