



Appendix B

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Under-cabinet luminaires

Trade Mark: 

Test Model: GE-SMRT-UCL-30-20W-2765-WH-WFBT-01

Environmental Conditions

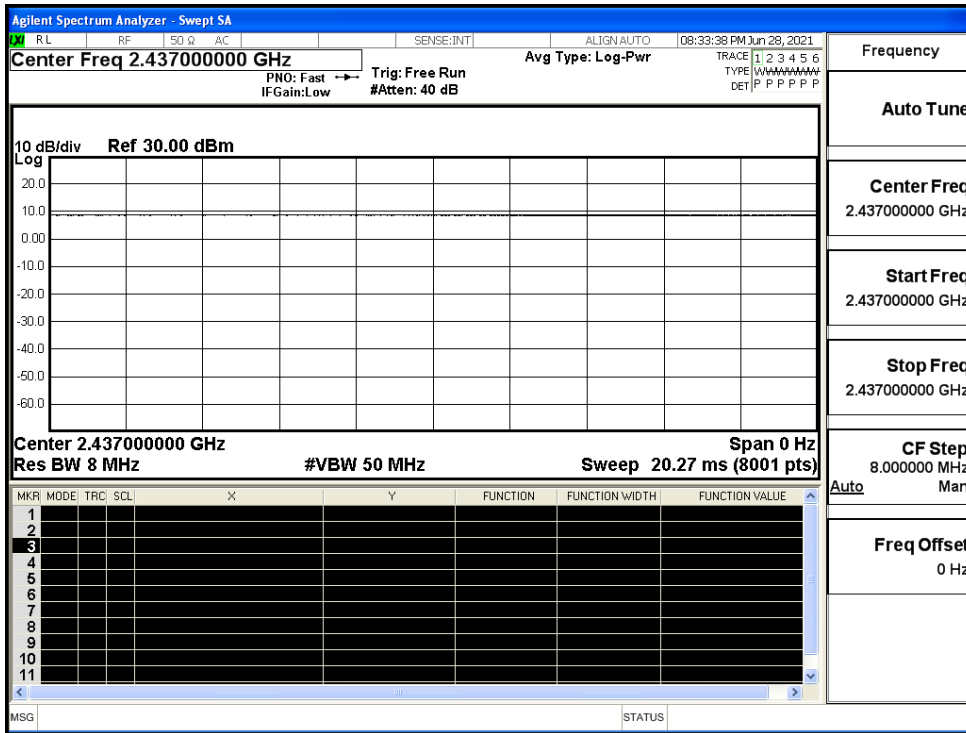
Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

B.1 Duty Cycle

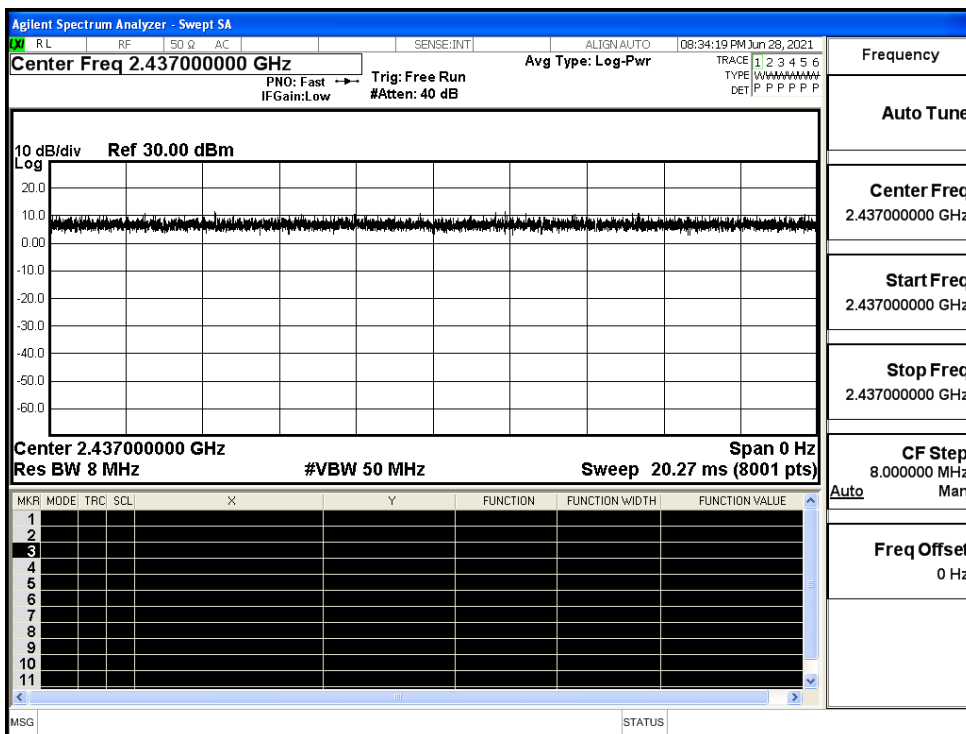
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS



Duty Cycle_11B_2437_Ant1

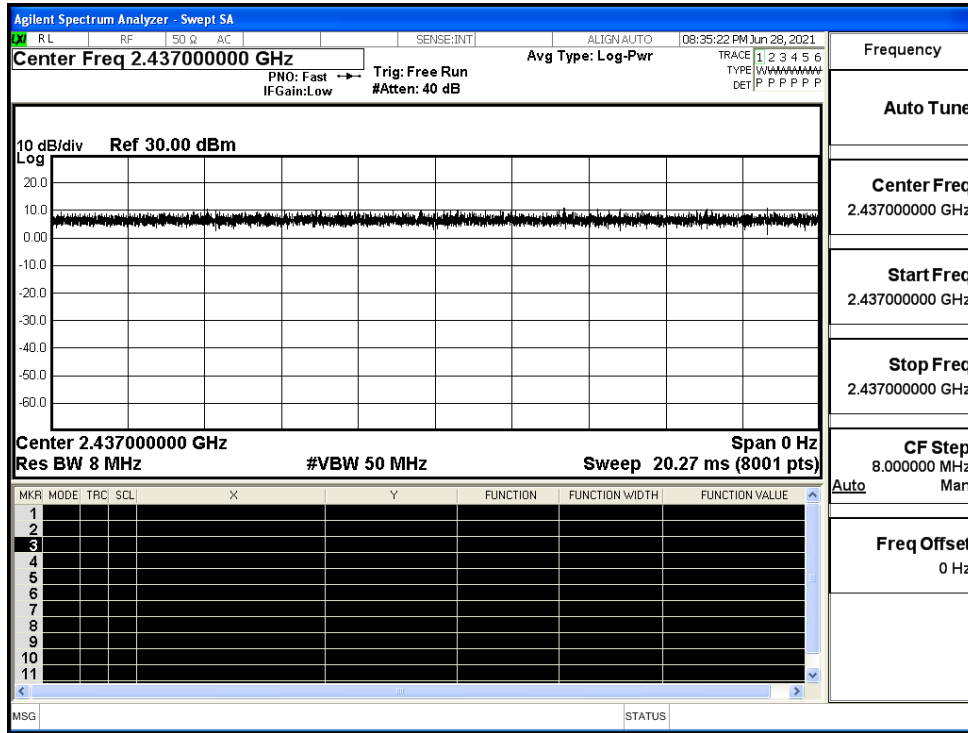


Duty Cycle_11G_2437_Ant1

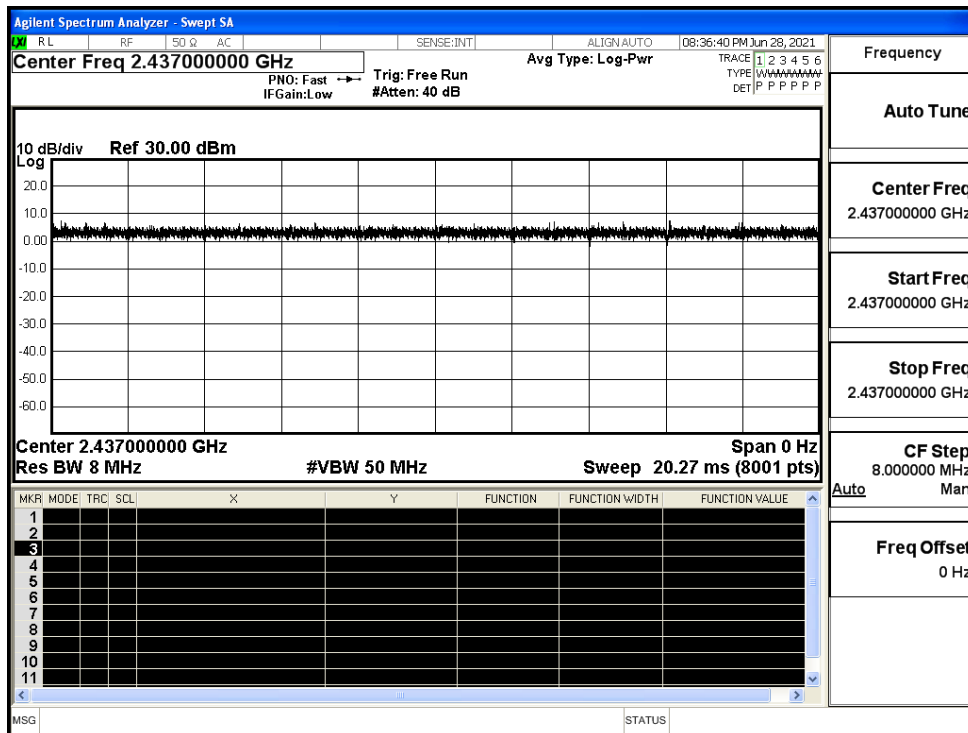




Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1





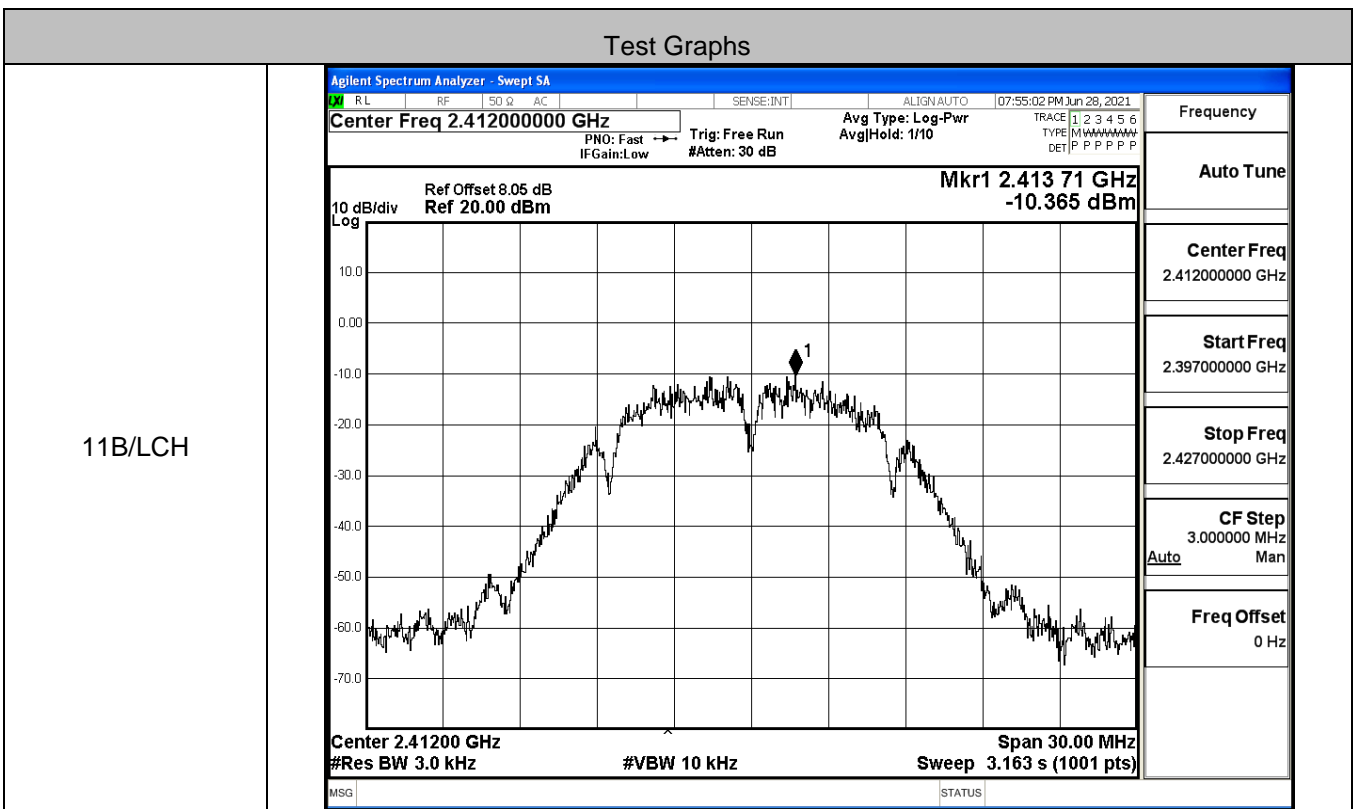
B.2 Maximum Conducted Output Power

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	16.05	30	PASS
	MCH	16.04	30	PASS
	HCH	15.46	30	PASS
11G	LCH	17.24	30	PASS
	MCH	19.24	30	PASS
	HCH	18.82	30	PASS
11N20SISO	LCH	17.22	30	PASS
	MCH	19.38	30	PASS
	HCH	18.72	30	PASS
11N40SISO	LCH	19.28	30	PASS
	MCH	19.28	30	PASS
	HCH	19.11	30	PASS



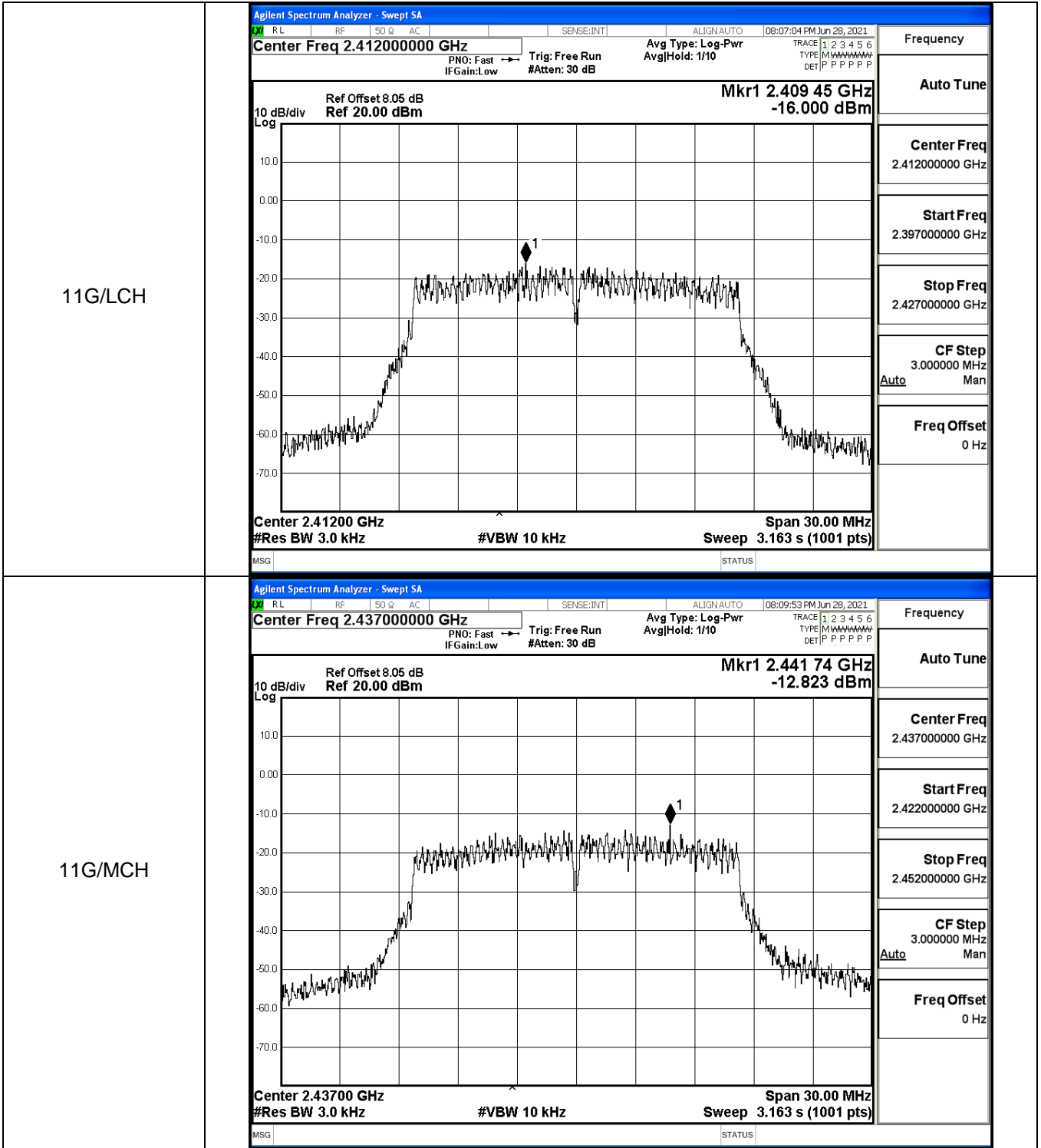
B.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-10.365	8	PASS
	MCH	-10.330	8	PASS
	HCH	-9.678	8	PASS
11G	LCH	-16.000	8	PASS
	MCH	-12.823	8	PASS
	HCH	-13.030	8	PASS
11N20SISO	LCH	-15.566	8	PASS
	MCH	-14.237	8	PASS
	HCH	-14.251	8	PASS
11N40SISO	LCH	-17.447	8	PASS
	MCH	-16.739	8	PASS
	HCH	-14.828	8	PASS



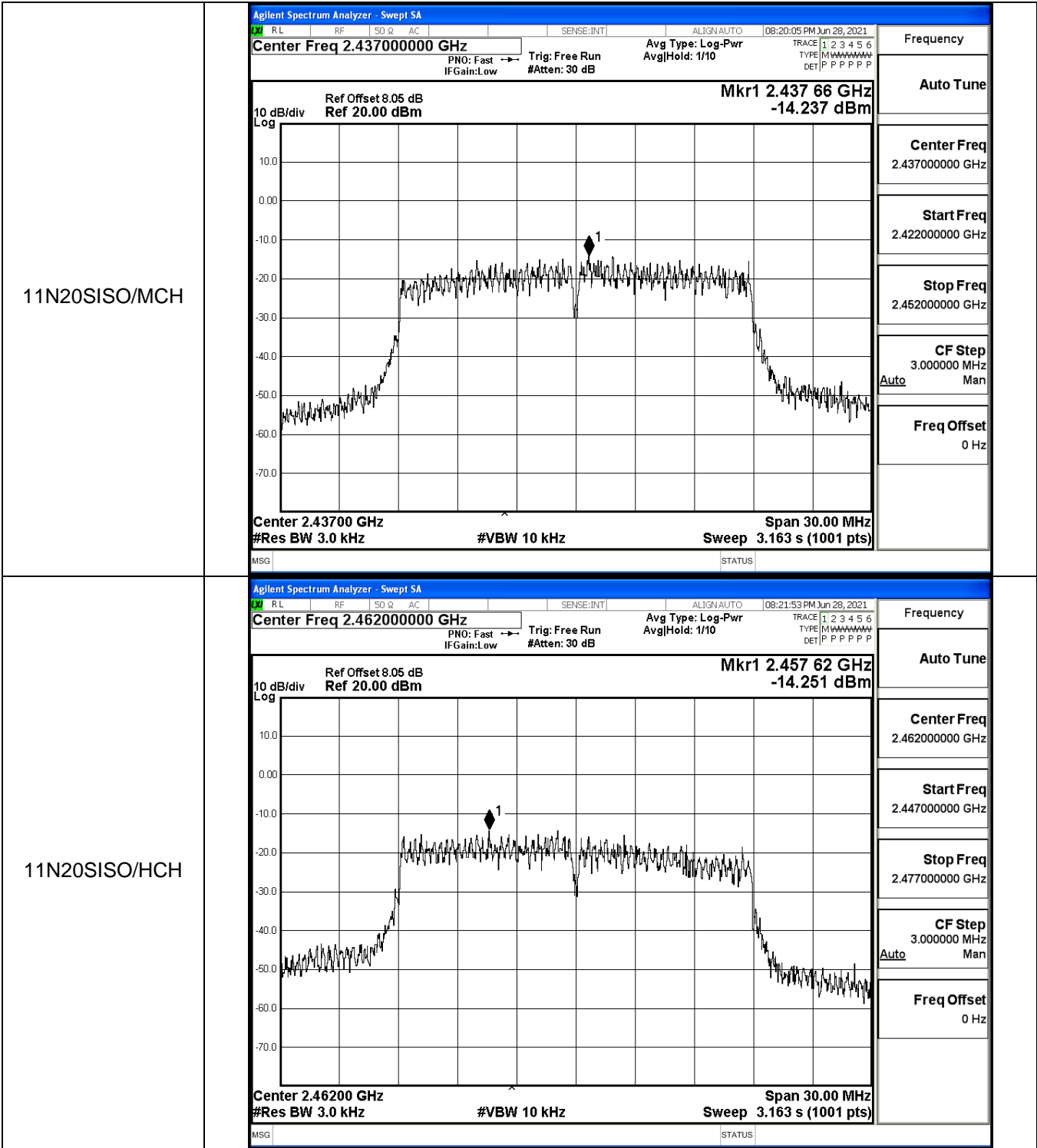


<p>11B/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>RL RF SQ Ω AC SENSE:INT ALIGN AUTO 07:57:46 PM Jun 28, 2021</p> <p>Center Freq 2.437000000 GHz Avg Type: Log-Pwr AvgHold: 1/10</p> <p>PNO: Fast → Trig: Free Run #Atten: 30 dB</p> <p>IFGain:Low</p> <p>Ref Offset 8.05 dB Mkr1 2.435 47 GHz Ref 20.00 dBm -10.330 dBm</p> <p>10 dB/div Log</p> <p>Center 2.43700 GHz Span 30.00 MHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 3.163 s (1001 pts)</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.422000000 GHz</p> <p>Stop Freq 2.452000000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11B/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>RL RF SQ Ω AC SENSE:INT ALIGN AUTO 08:00:33 PM Jun 28, 2021</p> <p>Center Freq 2.462000000 GHz Avg Type: Log-Pwr AvgHold: 1/10</p> <p>PNO: Fast → Trig: Free Run #Atten: 30 dB</p> <p>IFGain:Low</p> <p>Ref Offset 8.05 dB Mkr1 2.462 99 GHz Ref 20.00 dBm -9.678 dBm</p> <p>10 dB/div Log</p> <p>Center 2.46200 GHz Span 30.00 MHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 3.163 s (1001 pts)</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.462000000 GHz</p> <p>Start Freq 2.447000000 GHz</p> <p>Stop Freq 2.477000000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>





<p>11G/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.46200000 GHz</p> <p>Ref Offset 8.05 dB, Ref 20.00 dBm</p> <p>Mkr1 2.460 47 GHz, -13.030 dBm</p> <p>10 dB/div, Log</p> <p>Center 2.46200 GHz, Span 30.00 MHz, #Res BW 3.0 kHz, #VBW 10 kHz, Sweep 3.163 s (1001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.46200000 GHz</p> <p>Start Freq 2.447000000 GHz</p> <p>Stop Freq 2.477000000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.41200000 GHz</p> <p>Ref Offset 8.05 dB, Ref 20.00 dBm</p> <p>Mkr1 2.410 74 GHz, -15.566 dBm</p> <p>10 dB/div, Log</p> <p>Center 2.41200 GHz, Span 30.00 MHz, #Res BW 3.0 kHz, #VBW 10 kHz, Sweep 3.163 s (1001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.412000000 GHz</p> <p>Start Freq 2.397000000 GHz</p> <p>Stop Freq 2.427000000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>



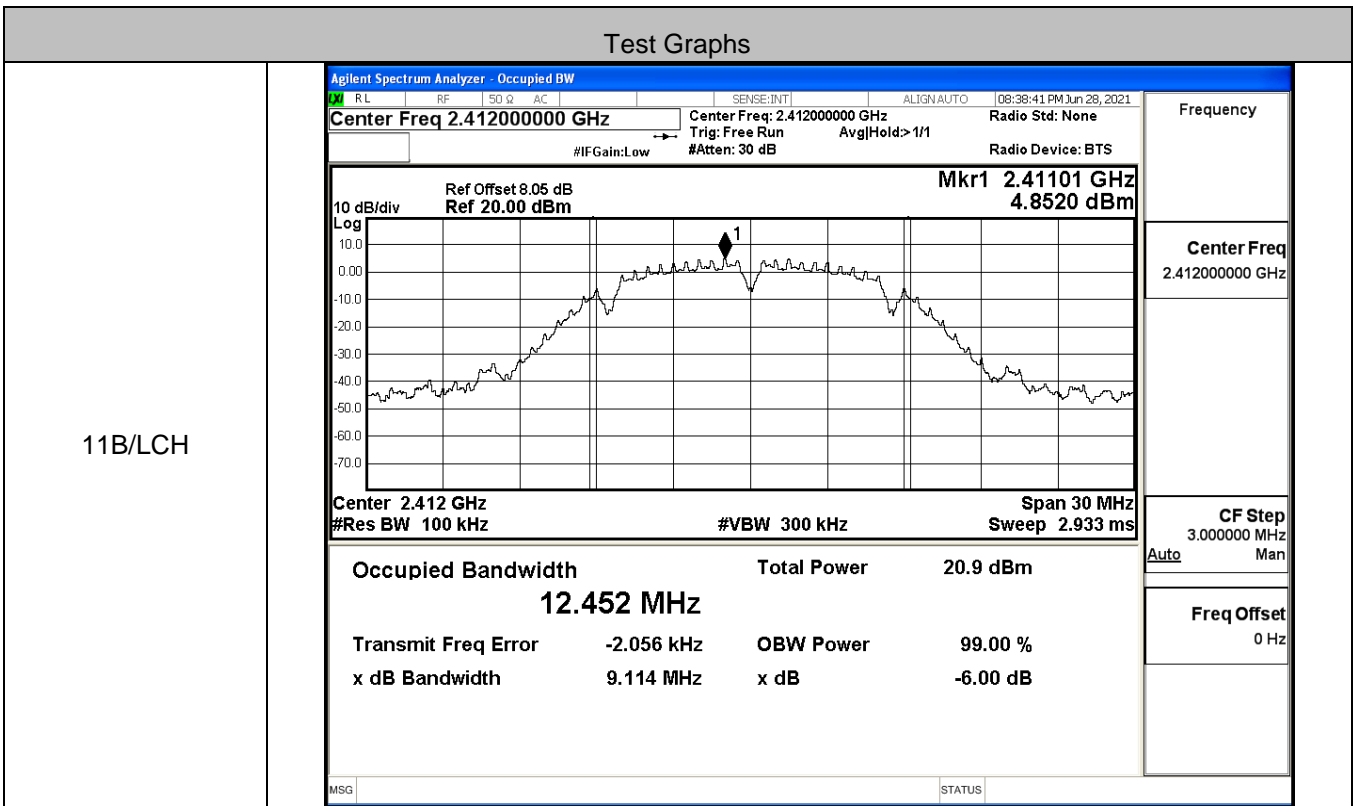


<p>11N40SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.42200000 GHz</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr1 2.423 56 GHz -17.447 dBm</p> <p>Center 2.42200 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 6.326 s (1001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.42200000 GHz</p> <p>Start Freq 2.39200000 GHz</p> <p>Stop Freq 2.45200000 GHz</p> <p>CF Step 6.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N40SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.43700000 GHz</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr1 2.442 64 GHz -16.739 dBm</p> <p>Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 6.326 s (1001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.43700000 GHz</p> <p>Start Freq 2.40700000 GHz</p> <p>Stop Freq 2.46700000 GHz</p> <p>CF Step 6.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>

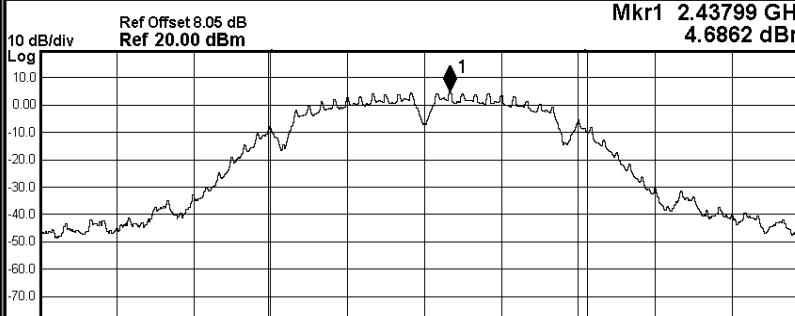
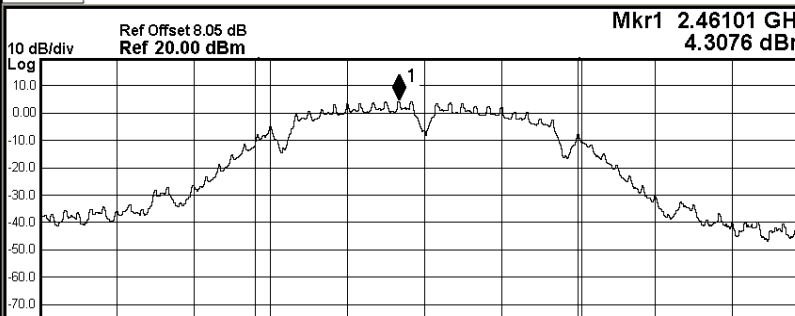


B.4 6dB Bandwidth

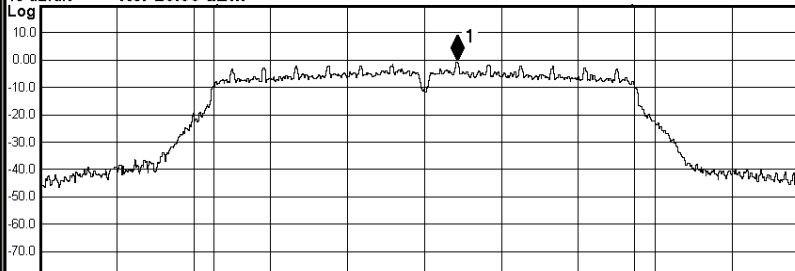
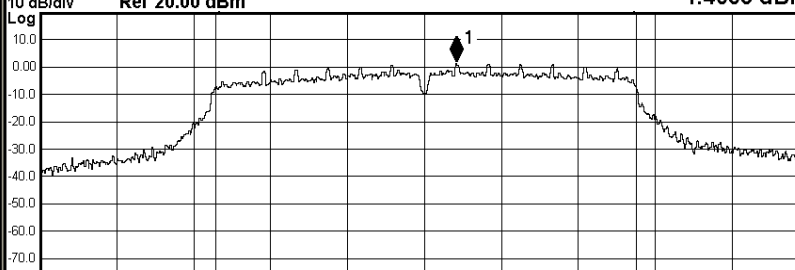
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.114	≥0.5	PASS
	MCH	9.591	≥0.5	PASS
	HCH	9.123	≥0.5	PASS
11G	LCH	15.47	≥0.5	PASS
	MCH	14.27	≥0.5	PASS
	HCH	15.77	≥0.5	PASS
11N20SISO	LCH	16.25	≥0.5	PASS
	MCH	16.07	≥0.5	PASS
	HCH	16.35	≥0.5	PASS
11N40SISO	LCH	35.73	≥0.5	PASS
	MCH	35.18	≥0.5	PASS
	HCH	35.12	≥0.5	PASS





<p>11B/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Center Freq: 2.43700000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p>  <p>Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 12.424 MHz Total Power 20.7 dBm</p> <p>Transmit Freq Error 146.12 kHz OBW Power 99.00 % x dB Bandwidth 9.591 MHz x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	<p>11B/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.46200000 GHz</p> <p>Center Freq: 2.46200000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p>  <p>Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 12.651 MHz Total Power 20.3 dBm</p> <p>Transmit Freq Error -202.84 kHz OBW Power 99.00 % x dB Bandwidth 9.123 MHz x dB -6.00 dB</p>



<p>11G/LCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>RL RF SQ AC SENSE:INT ALIGN AUTO 08:06:19 PM Jun 28, 2021</p> <p>Center Freq 2.41200000 GHz Center Freq: 2.41200000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.05 dB Mkr1 2.41329 GHz Ref 20.00 dBm -0.62146 dBm</p>  <p>Center 2.412 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth Total Power 16.5 dBm 16.381 MHz</p> <p>Transmit Freq Error -1.872 kHz OBW Power 99.00 % x dB Bandwidth 15.47 MHz x dB -6.00 dB</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.41200000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	<p>11G/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>RL RF SQ AC SENSE:INT ALIGN AUTO 08:09:09 PM Jun 28, 2021</p> <p>Center Freq 2.43700000 GHz Center Freq: 2.43700000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.05 dB Mkr1 2.43823 GHz Ref 20.00 dBm 1.4053 dBm</p>  <p>Center 2.437 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth Total Power 18.7 dBm 16.393 MHz</p> <p>Transmit Freq Error 56.507 kHz OBW Power 99.00 % x dB Bandwidth 14.27 MHz x dB -6.00 dB</p> <p>MSG STATUS</p>



<p>11G/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.46200000 GHz</p> <p>Mkr1 2.46329 GHz 0.57761 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 16.462 MHz Total Power 18.1 dBm</p> <p>Transmit Freq Error -93.241 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 15.77 MHz x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.46200000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.41200000 GHz</p> <p>Mkr1 2.41074 GHz -1.0586 dBm</p> <p>Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.550 MHz Total Power 16.6 dBm</p> <p>Transmit Freq Error 11.320 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.25 MHz x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.41200000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>

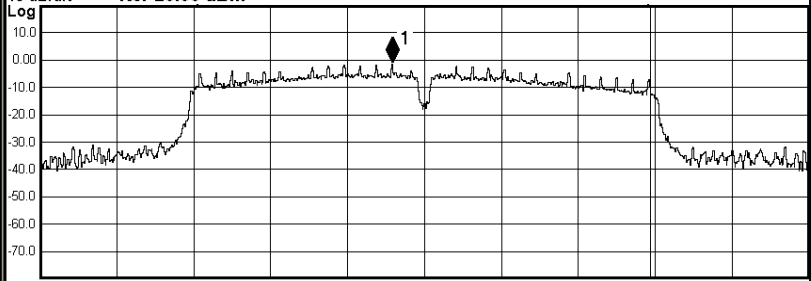


<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz Center Freq: 2.43700000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.05 dB Mkr1 2.43829 GHz Ref 20.00 dBm 1.5696 dBm</p> <p>Center 2.437 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.549 MHz Total Power 18.4 dBm</p> <p>Transmit Freq Error 56.439 kHz OBW Power 99.00 % x dB Bandwidth 16.07 MHz x dB -6.00 dB</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.46200000 GHz Center Freq: 2.46200000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.05 dB Mkr1 2.46074 GHz Ref 20.00 dBm 0.60740 dBm</p> <p>Center 2.462 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.583 MHz Total Power 18.1 dBm</p> <p>Transmit Freq Error -75.141 kHz OBW Power 99.00 % x dB Bandwidth 16.35 MHz x dB -6.00 dB</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.46200000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>



<p>11N40SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 08:25:21 PM Jun 28, 2021</p> <p>Center Freq 2.42200000 GHz Center Freq: 2.42200000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.05 dB Mkr1 2.43328 GHz Ref 20.00 dBm -2.2149 dBm</p> <p>Center 2.422 GHz Span 60 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.8 ms</p> <p>Occupied Bandwidth Total Power 18.5 dBm 35.920 MHz</p> <p>Transmit Freq Error 121.32 kHz OBW Power 99.00 % x dB Bandwidth 35.73 MHz x dB -6.00 dB</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.42200000 GHz</p> <p>CF Step 6.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N40SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 08:28:13 PM Jun 28, 2021</p> <p>Center Freq 2.43700000 GHz Center Freq: 2.43700000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.05 dB Mkr1 2.44198 GHz Ref 20.00 dBm -1.8581 dBm</p> <p>Center 2.437 GHz Span 60 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.8 ms</p> <p>Occupied Bandwidth Total Power 18.5 dBm 35.675 MHz</p> <p>Transmit Freq Error 139.72 kHz OBW Power 99.00 % x dB Bandwidth 35.18 MHz x dB -6.00 dB</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 6.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>



11N40SISO/HCH	Agilent Spectrum Analyzer - Occupied BW	<table border="0" style="width: 100%; font-size: 8px;"> <tr> <td>RL</td> <td>RF</td> <td>50 Ω</td> <td>AC</td> <td>SENSE:INT</td> <td>ALIGN AUTO</td> <td>08:29:57 PM Jun 28, 2021</td> </tr> </table>	RL	RF	50 Ω	AC	SENSE:INT	ALIGN AUTO	08:29:57 PM Jun 28, 2021	<table border="0" style="width: 100%; font-size: 8px;"> <tr> <td style="width: 50%;">Center Freq 2.45200000 GHz</td> <td style="width: 25%;">Center Freq: 2.45200000 GHz</td> <td style="width: 25%;">Radio Std: None</td> </tr> <tr> <td></td> <td>Trig: Free Run</td> <td>Avg Hold: 1/1</td> </tr> <tr> <td>#IFGain: Low</td> <td>#Atten: 30 dB</td> <td>Radio Device: BTS</td> </tr> </table>	Center Freq 2.45200000 GHz	Center Freq: 2.45200000 GHz	Radio Std: None		Trig: Free Run	Avg Hold: 1/1	#IFGain: Low	#Atten: 30 dB	Radio Device: BTS	Frequency	
	RL	RF	50 Ω	AC	SENSE:INT	ALIGN AUTO	08:29:57 PM Jun 28, 2021														
	Center Freq 2.45200000 GHz	Center Freq: 2.45200000 GHz	Radio Std: None																		
		Trig: Free Run	Avg Hold: 1/1																		
	#IFGain: Low	#Atten: 30 dB	Radio Device: BTS																		
<table border="0" style="width: 100%; font-size: 8px;"> <tr> <td style="width: 30%;">10 dB/div</td> <td style="width: 30%;">Ref Offset 8.05 dB</td> <td style="width: 40%; text-align: right;">Mkr1 2.44948 GHz</td> </tr> <tr> <td>Log</td> <td>Ref 20.00 dBm</td> <td style="text-align: right;">-1.4642 dBm</td> </tr> </table> 	10 dB/div	Ref Offset 8.05 dB	Mkr1 2.44948 GHz	Log	Ref 20.00 dBm	-1.4642 dBm	Center Freq 2.45200000 GHz														
10 dB/div	Ref Offset 8.05 dB	Mkr1 2.44948 GHz																			
Log	Ref 20.00 dBm	-1.4642 dBm																			
<table border="0" style="width: 100%; font-size: 8px;"> <tr> <td style="width: 30%;">Center 2.452 GHz</td> <td style="width: 30%;">#VBW 300 kHz</td> <td style="width: 40%; text-align: right;">Span 60 MHz</td> </tr> <tr> <td>#Res BW 100 kHz</td> <td></td> <td style="text-align: right;">Sweep 5.8 ms</td> </tr> </table>	Center 2.452 GHz	#VBW 300 kHz	Span 60 MHz	#Res BW 100 kHz		Sweep 5.8 ms	<table border="0" style="width: 100%; font-size: 8px;"> <tr> <td style="width: 50%;">CF Step 6.000000 MHz</td> <td style="width: 50%;">Man</td> </tr> <tr> <td colspan="2" style="text-align: center;">Auto</td> </tr> </table>	CF Step 6.000000 MHz	Man	Auto											
Center 2.452 GHz	#VBW 300 kHz	Span 60 MHz																			
#Res BW 100 kHz		Sweep 5.8 ms																			
CF Step 6.000000 MHz	Man																				
Auto																					
<table border="0" style="width: 100%; font-size: 8px;"> <tr> <td style="width: 30%;">Occupied Bandwidth</td> <td style="width: 30%;">Total Power</td> <td style="width: 40%; text-align: right;">18.4 dBm</td> </tr> <tr> <td style="text-align: center;">35.490 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>-127.59 kHz</td> <td>OBW Power</td> </tr> <tr> <td>x dB Bandwidth</td> <td>35.12 MHz</td> <td>x dB</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">99.00 %</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">-6.00 dB</td> </tr> </table>	Occupied Bandwidth	Total Power	18.4 dBm	35.490 MHz			Transmit Freq Error	-127.59 kHz	OBW Power	x dB Bandwidth	35.12 MHz	x dB			99.00 %			-6.00 dB	<table border="0" style="width: 100%; font-size: 8px;"> <tr> <td style="width: 50%;">Freq Offset</td> <td style="width: 50%;">0 Hz</td> </tr> </table>	Freq Offset	0 Hz
Occupied Bandwidth	Total Power	18.4 dBm																			
35.490 MHz																					
Transmit Freq Error	-127.59 kHz	OBW Power																			
x dB Bandwidth	35.12 MHz	x dB																			
		99.00 %																			
		-6.00 dB																			
Freq Offset	0 Hz																				
MSG	STATUS																				

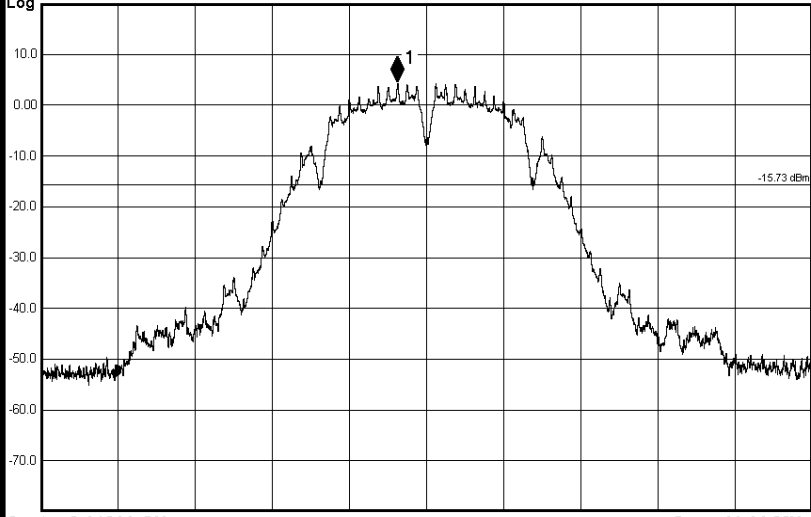
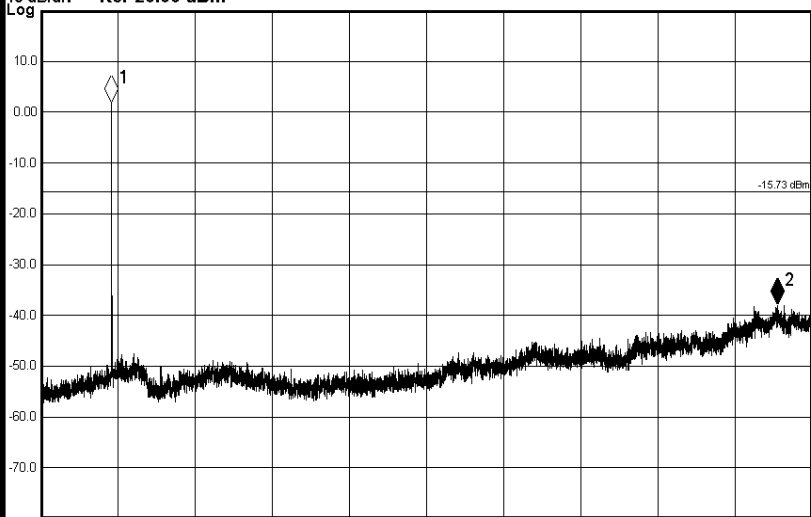


B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	4.27	-38.046	-15.730	PASS
	MCH	4.276	-38.493	-15.724	PASS
	HCH	4.268	-37.598	-15.732	PASS
11G	LCH	-1.072	-38.244	-21.072	PASS
	MCH	0.857	-37.685	-19.143	PASS
	HCH	0.632	-37.188	-19.368	PASS
11N20 SISO	LCH	-0.584	-37.168	-20.584	PASS
	MCH	1.506	-37.175	-18.494	PASS
	HCH	0.65	-38.392	-19.350	PASS
11N40 SISO	LCH	-2.283	-37.701	-22.283	PASS
	MCH	-1.915	-37.351	-21.915	PASS
	HCH	-1.5	-37.145	-21.500	PASS



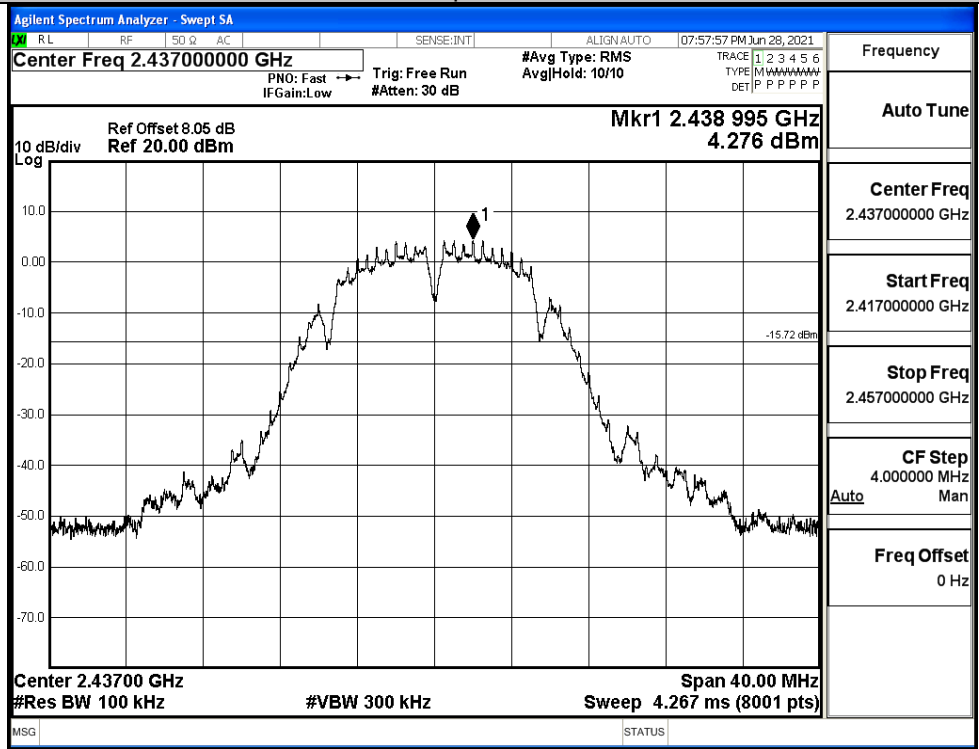
11B_LCH_Graphs

Pref/11B/LCH	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.41200000 GHz</p> <p>10 dB/div Log</p>  <p>Center 2.41200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.41200000 GHz</p> <p>Start Freq 2.392000000 GHz</p> <p>Stop Freq 2.432000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
Puw/11B/LCH	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 13.01500000 GHz</p> <p>10 dB/div Log</p>  <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.482 s (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 13.01500000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 26.000000000 GHz</p> <p>CF Step 2.597000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>

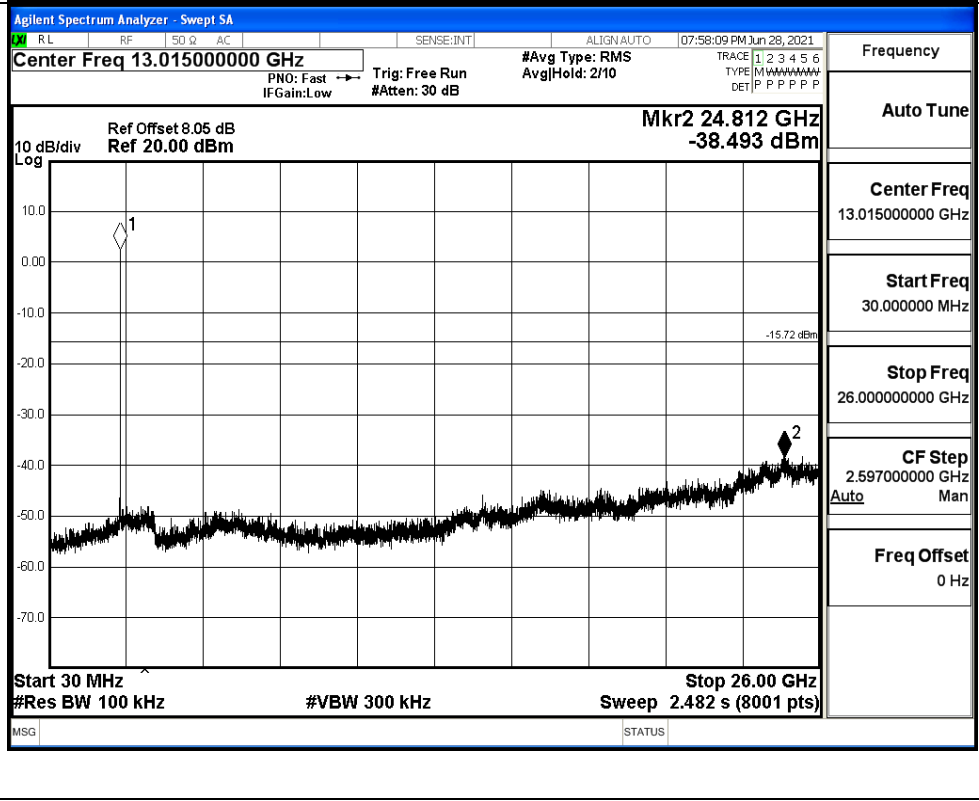


11B_MCH_Graphs

Pref/11B/MCH



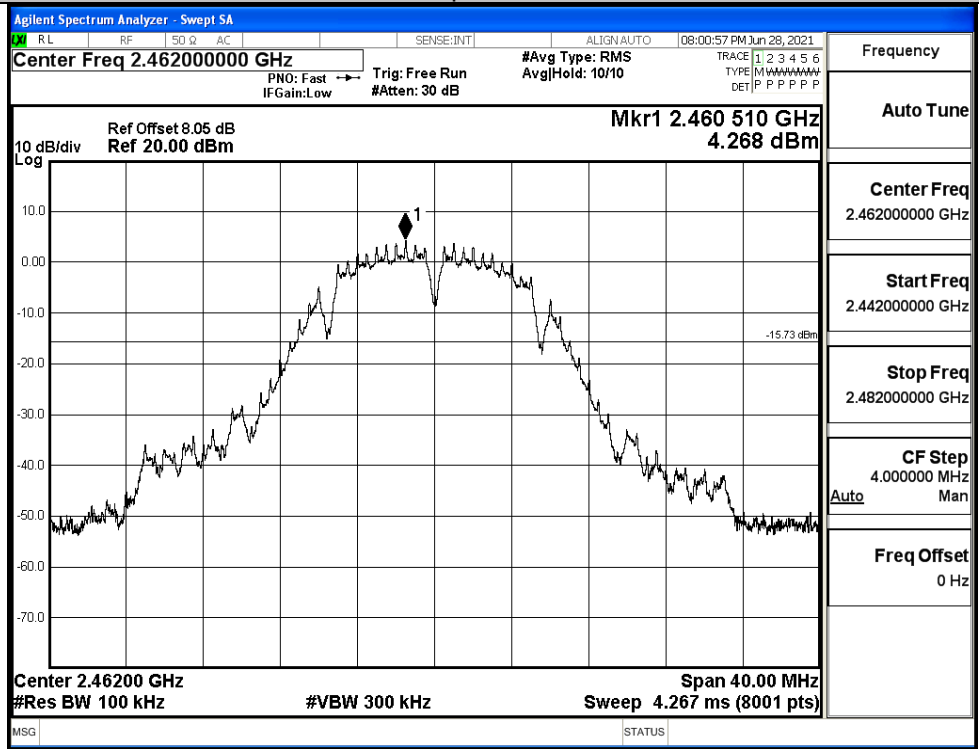
Puw/11B/MCH



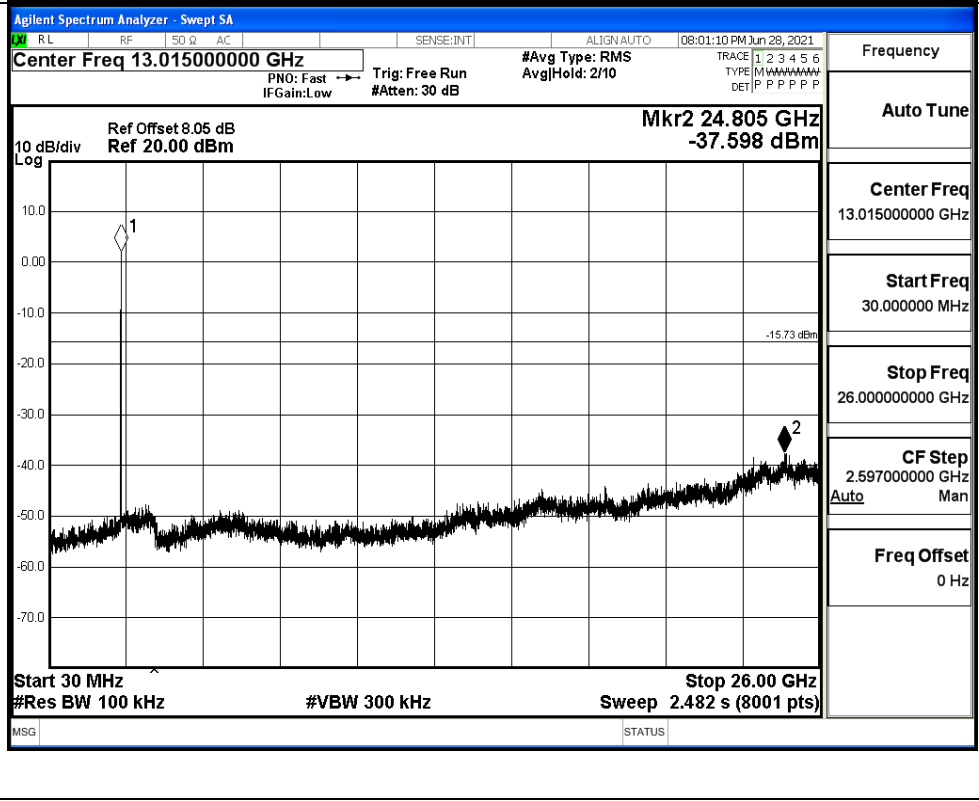


11B_HCH_Graphs

Pref/11B/HCH



Puw/11B/HCH





11G_LCH_Graphs

<p>Pref/11G/LCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.412000000 GHz</p> <p>Start Freq 2.392000000 GHz</p> <p>Stop Freq 2.432000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	<p>Puw/11G/LCH</p>	



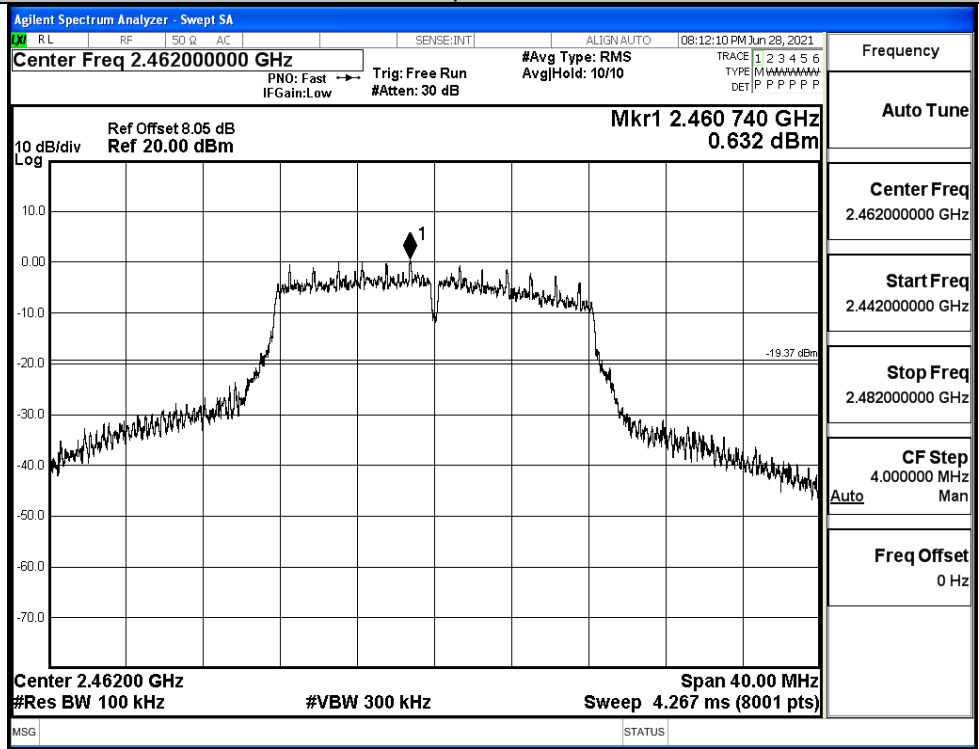
11G_MCH_Graphs

<p>Pref/11G/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.43700000 GHz</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr1 2.440755 GHz 0.857 dBm</p> <p>Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 40.00 MHz Sweep 4.267 ms (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.417000000 GHz</p> <p>Stop Freq 2.457000000 GHz</p> <p>CF Step 4.000000 MHz Auto</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11G/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 13.01500000 GHz</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr2 25.513 GHz -37.685 dBm</p> <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.00 GHz Sweep 2.482 s (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 13.015000000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 26.000000000 GHz</p> <p>CF Step 2.597000000 GHz Auto</p> <p>Freq Offset 0 Hz</p>

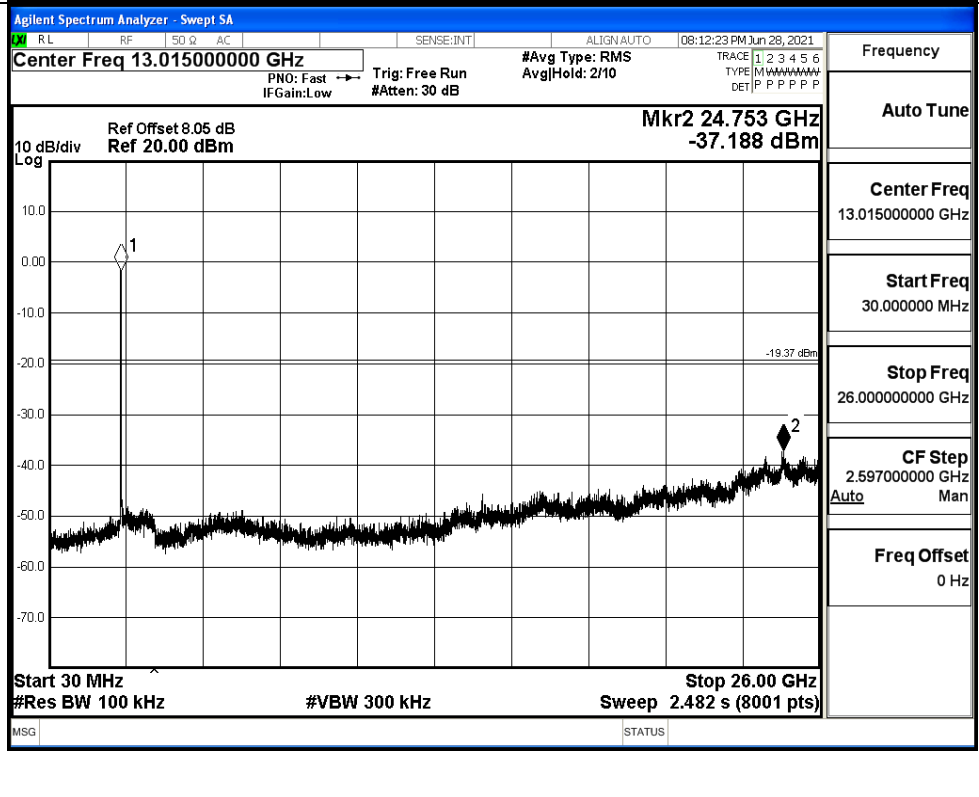


11G_HCH_Graphs

Pref/11G/HCH



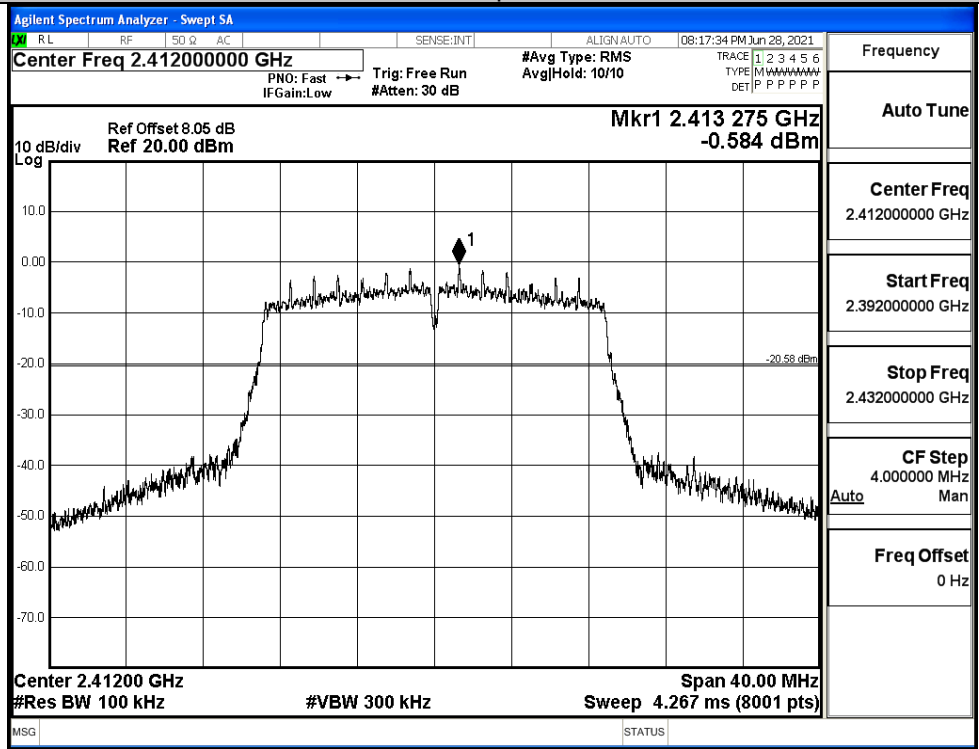
Puw/11G/HCH



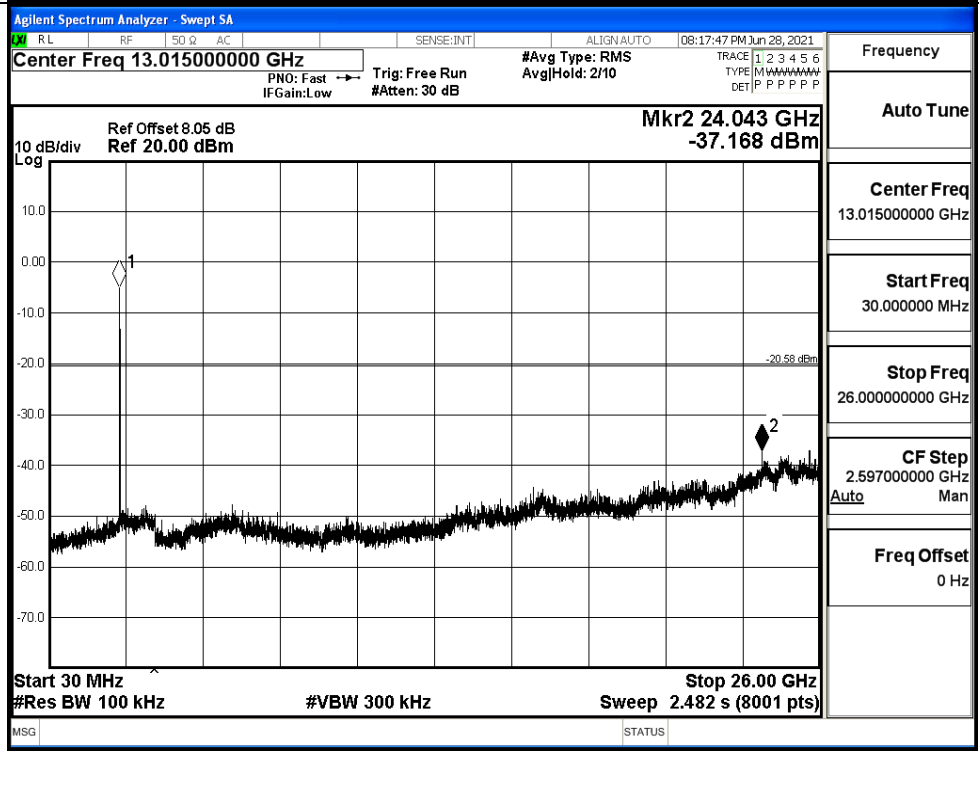


11N20SISO_LCH_Graphs

Pref/11N20SIS
O/LCH



Puw/11N20
SISO/LCH





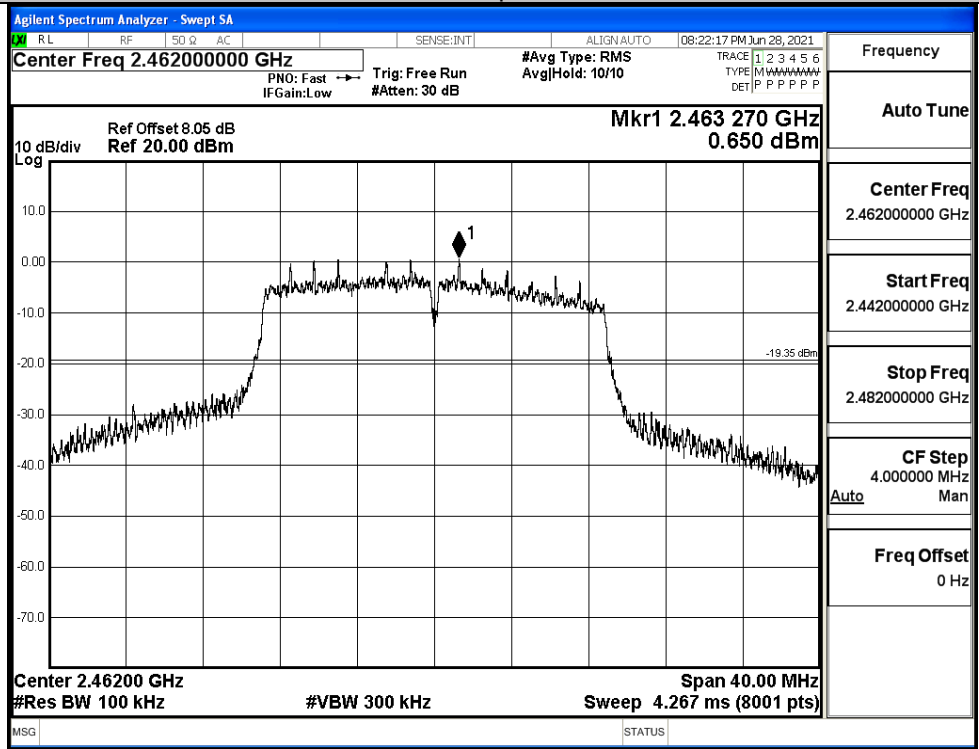
11N20SISO_MCH_Graphs

<p>Pref/11N20 SISO/MCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.417000000 GHz</p> <p>Stop Freq 2.457000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	<p>Puw/11N20 SISO/MCH</p>	

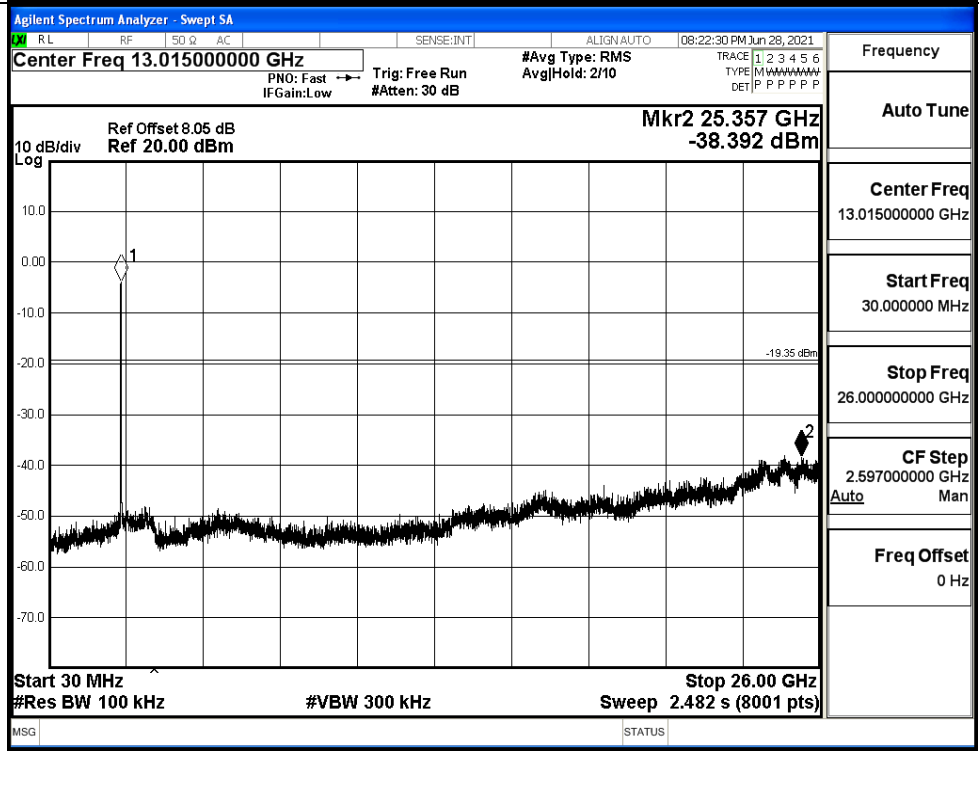


11N20SISO_HCH_Graphs

Pref/11N20
SISO/HCH



Puw/11N20
SISO/HCH





11N40SISO_LCH_Graphs

Pref/11N40 SISO/LCH		<table border="1"><tr><td>Frequency</td></tr><tr><td>Auto Tune</td></tr><tr><td>Center Freq 2.422000000 GHz</td></tr><tr><td>Start Freq 2.382000000 GHz</td></tr><tr><td>Stop Freq 2.462000000 GHz</td></tr><tr><td>CF Step 8.000000 MHz Auto Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq 2.422000000 GHz	Start Freq 2.382000000 GHz	Stop Freq 2.462000000 GHz	CF Step 8.000000 MHz Auto Man	Freq Offset 0 Hz
	Frequency								
Auto Tune									
Center Freq 2.422000000 GHz									
Start Freq 2.382000000 GHz									
Stop Freq 2.462000000 GHz									
CF Step 8.000000 MHz Auto Man									
Freq Offset 0 Hz									
Puw/11N40 SISO/LCH		<table border="1"><tr><td>Frequency</td></tr><tr><td>Auto Tune</td></tr><tr><td>Center Freq 13.015000000 GHz</td></tr><tr><td>Start Freq 30.000000 MHz</td></tr><tr><td>Stop Freq 26.000000000 GHz</td></tr><tr><td>CF Step 2.597000000 GHz Auto Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq 13.015000000 GHz	Start Freq 30.000000 MHz	Stop Freq 26.000000000 GHz	CF Step 2.597000000 GHz Auto Man	Freq Offset 0 Hz
Frequency									
Auto Tune									
Center Freq 13.015000000 GHz									
Start Freq 30.000000 MHz									
Stop Freq 26.000000000 GHz									
CF Step 2.597000000 GHz Auto Man									
Freq Offset 0 Hz									



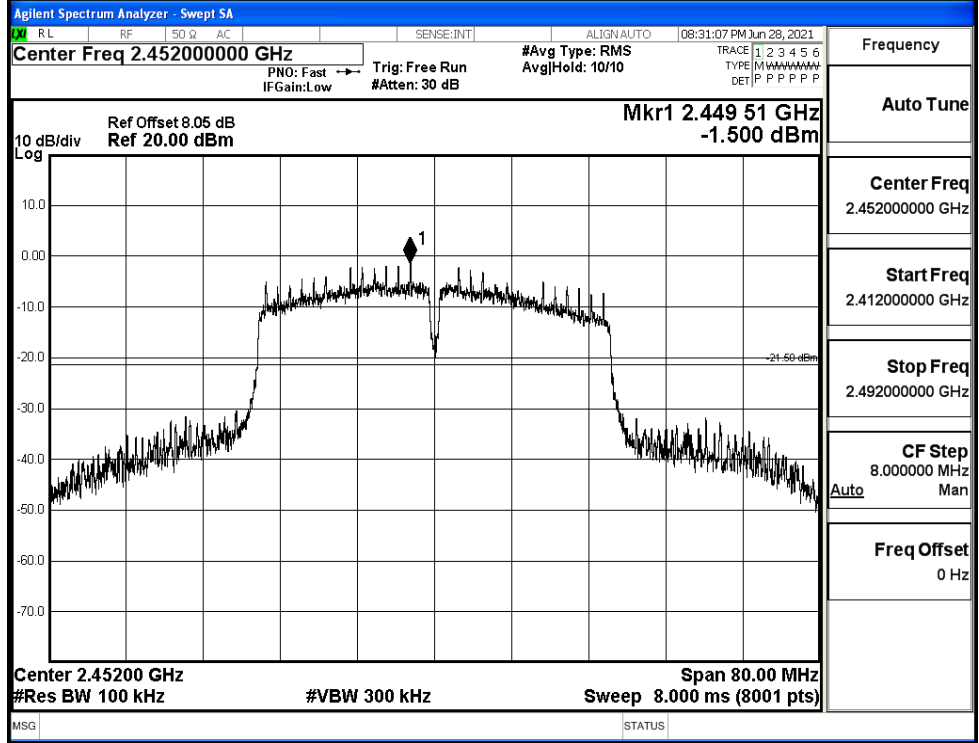
11N40SISO_MCH_Graphs

<p>Pref/11N40 SISO/MCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.397000000 GHz</p> <p>Stop Freq 2.477000000 GHz</p> <p>CF Step 8.000000 MHz Auto</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11N40 SISO/MCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 13.015000000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 26.000000000 GHz</p> <p>CF Step 2.597000000 GHz Auto</p> <p>Freq Offset 0 Hz</p>

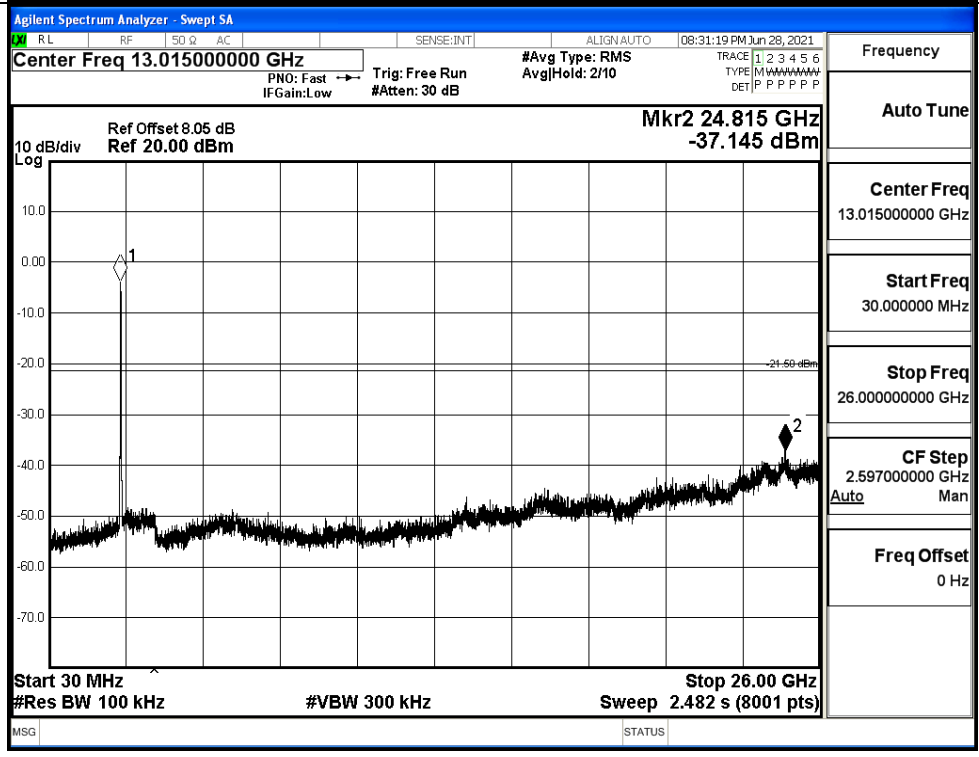


11N40SISO_HCH_Graphs

Pref/11N40
SISO/HCH



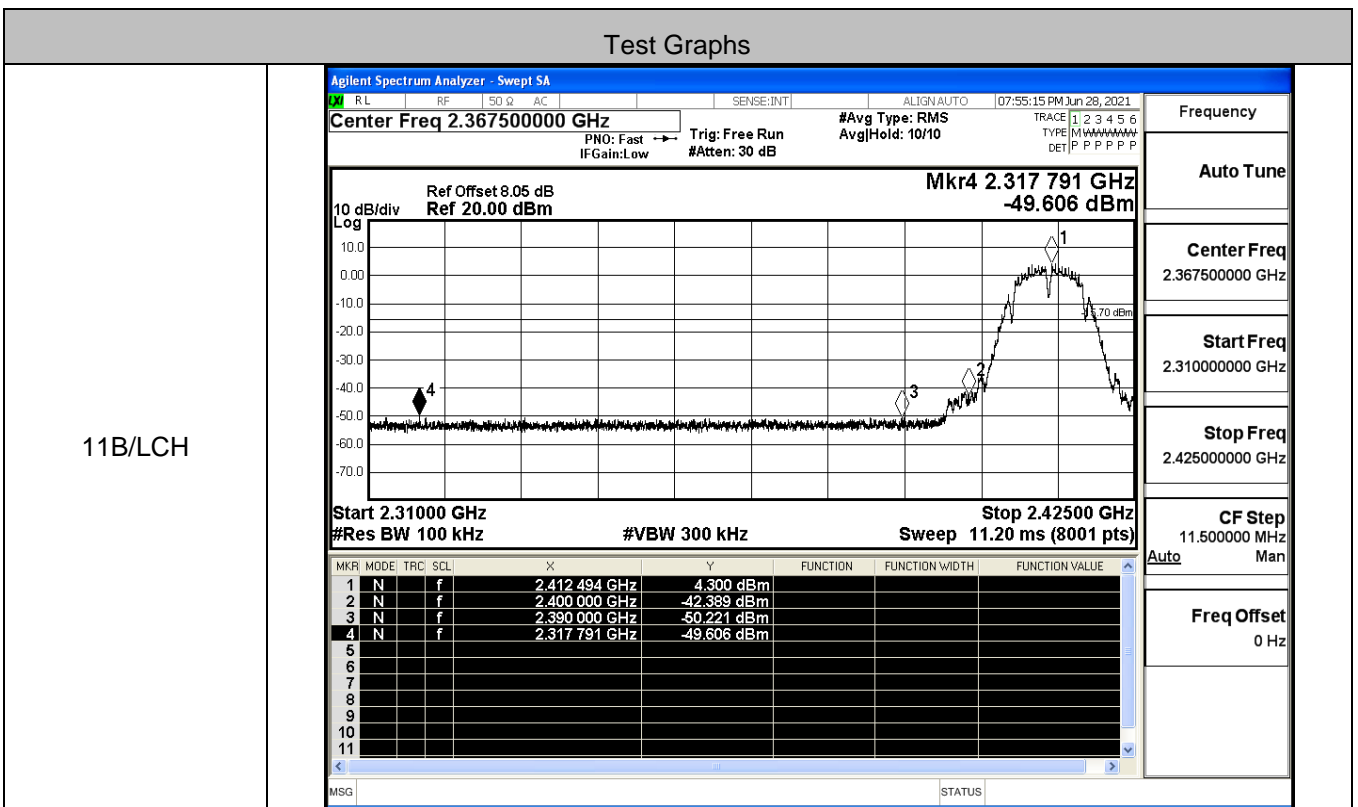
Puw/11N40
SISO/HCH





B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	4.300	-49.606	-15.7	PASS
	HCH	4.353	-46.817	-15.65	PASS
11G	LCH	-1.173	-49.652	-21.17	PASS
	HCH	0.764	-43.568	-19.24	PASS
11N20SISO	LCH	-1.083	-49.796	-21.08	PASS
	HCH	0.559	-42.691	-19.44	PASS
11N40SISO	LCH	-2.367	-46.619	-22.37	PASS
	HCH	-1.614	-34.243	-21.61	PASS

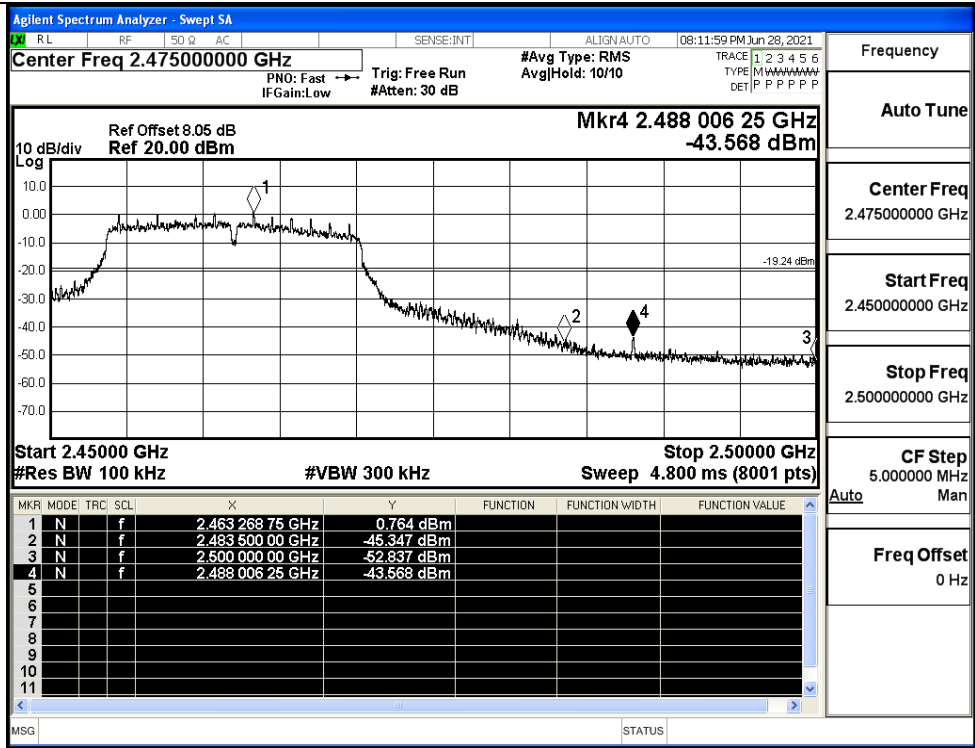




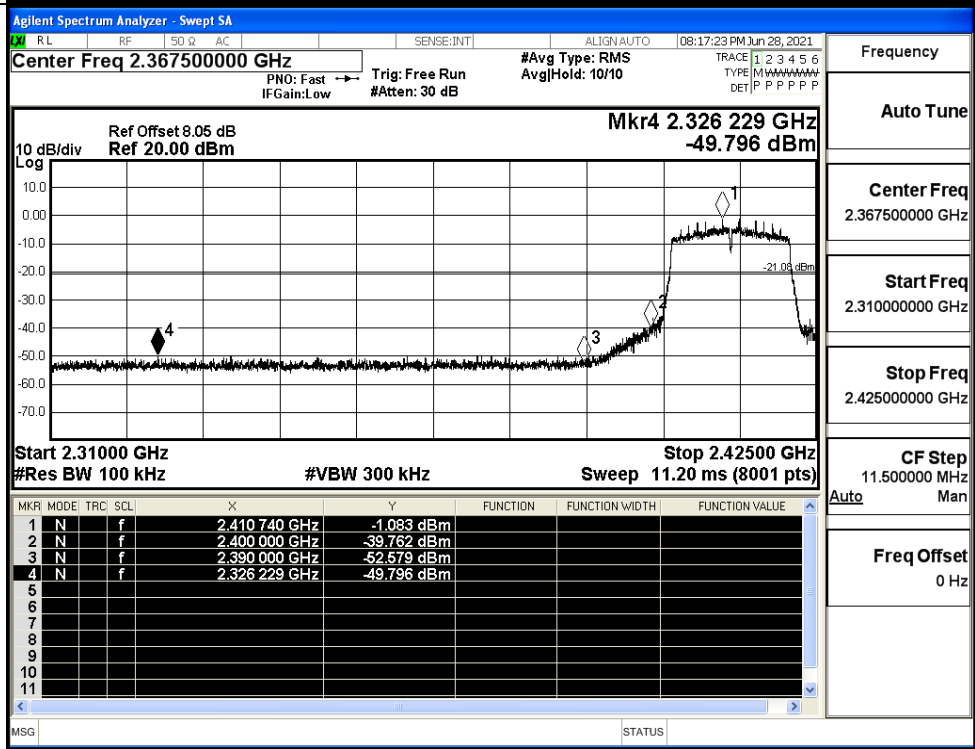
<p>11B/HCH</p>	<table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td></td> <td>f</td> <td>2.461 000 00 GHz</td> <td>4.353 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td></td> <td>f</td> <td>2.483 500 00 GHz</td> <td>-50.333 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td></td> <td>f</td> <td>2.500 000 00 GHz</td> <td>-52.427 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td></td> <td>f</td> <td>2.488 000 00 GHz</td> <td>-46.817 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	2.461 000 00 GHz	4.353 dBm				2	N		f	2.483 500 00 GHz	-50.333 dBm				3	N		f	2.500 000 00 GHz	-52.427 dBm				4	N		f	2.488 000 00 GHz	-46.817 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.47500000 GHz</p> <p>Start Freq 2.45000000 GHz</p> <p>Stop Freq 2.50000000 GHz</p> <p>CF Step 5.000000 MHz</p> <p>Freq Offset 0 Hz</p>
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11G/HCH

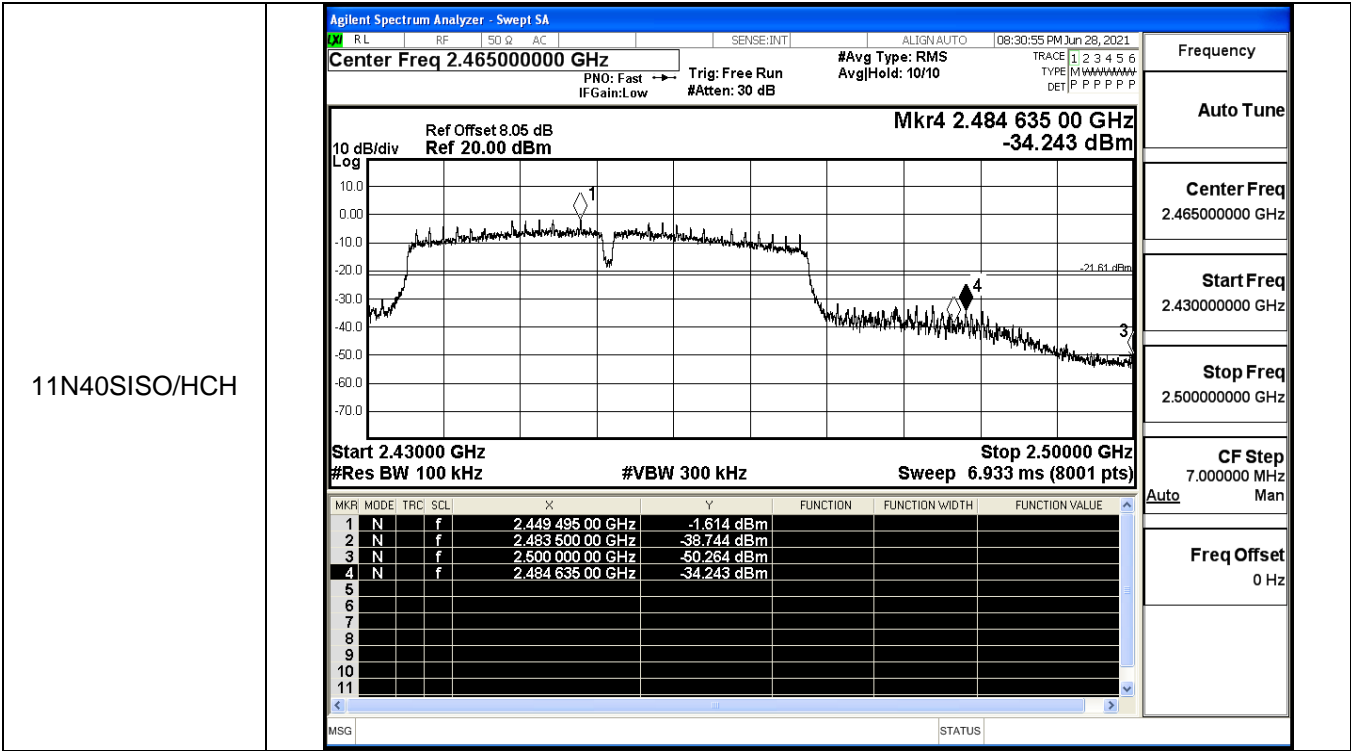


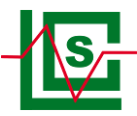
11N20SISO/LCH





<p>11N20SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.47500000 GHz</p> <p>Mkr4 2.484 131 25 GHz -42.691 dBm</p> <p>Start 2.45000 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.50000 GHz Sweep 4.800 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></td> <td>f</td> <td>2.460 743 75 GHz</td> <td>0.559 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td></td> <td>f</td> <td>2.483 500 00 GHz</td> <td>-43.722 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td></td> <td>f</td> <td>2.500 000 00 GHz</td> <td>-53.069 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td></td> <td>f</td> <td>2.484 131 25 GHz</td> <td>-42.691 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	2.460 743 75 GHz	0.559 dBm				2	N		f	2.483 500 00 GHz	-43.722 dBm				3	N		f	2.500 000 00 GHz	-53.069 dBm				4	N		f	2.484 131 25 GHz	-42.691 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.47500000 GHz</p> <p>Start Freq 2.45000000 GHz</p> <p>Stop Freq 2.50000000 GHz</p> <p>CF Step 5.000000 MHz</p> <p>Freq Offset 0 Hz</p>
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4	N		f	2.484 131 25 GHz	-42.691 dBm																																										
<p>11N40SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.37750000 GHz</p> <p>Mkr4 2.389 431 GHz -46.619 dBm</p> <p>Start 2.31000 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.44500 GHz Sweep 13.33 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></td> <td>f</td> <td>2.435 753 GHz</td> <td>-2.367 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td></td> <td>f</td> <td>2.400 000 GHz</td> <td>-36.415 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td></td> <td>f</td> <td>2.390 000 GHz</td> <td>-50.863 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td></td> <td>f</td> <td>2.389 431 GHz</td> <td>-46.619 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	2.435 753 GHz	-2.367 dBm				2	N		f	2.400 000 GHz	-36.415 dBm				3	N		f	2.390 000 GHz	-50.863 dBm				4	N		f	2.389 431 GHz	-46.619 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.37750000 GHz</p> <p>Start Freq 2.31000000 GHz</p> <p>Stop Freq 2.44500000 GHz</p> <p>CF Step 13.500000 MHz</p> <p>Freq Offset 0 Hz</p>
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B.7 Restrict-band band-edge measurements

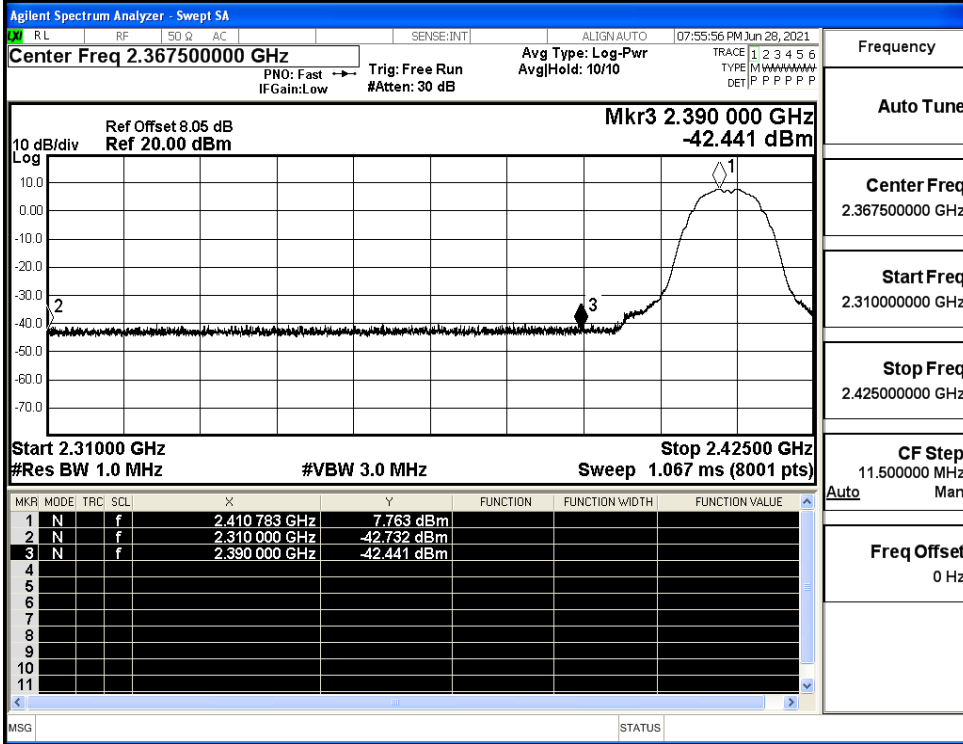
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
11B	2412	Ant1	2310.0	-42.73	2.0	0	54.53	PEAK	74	PASS
	2412	Ant1	2310.0	-53.60	2.0	0	43.66	AV	54	PASS
	2412	Ant1	2390.0	-42.44	2.0	0	54.82	PEAK	74	PASS
	2412	Ant1	2390.0	-53.09	2.0	0	44.17	AV	54	PASS
	2462	Ant1	2483.5	-40.06	2.0	0	57.2	PEAK	74	PASS
	2462	Ant1	2483.5	-51.18	2.0	0	46.08	AV	54	PASS
	2462	Ant1	2500.0	-41.85	2.0	0	55.41	PEAK	74	PASS
	2462	Ant1	2500.0	-52.63	2.0	0	44.63	AV	54	PASS
11G	2412	Ant1	2310.0	-43.00	2.0	0	54.26	PEAK	74	PASS
	2412	Ant1	2310.0	-53.56	2.0	0	43.7	AV	54	PASS
	2412	Ant1	2390.0	-42.80	2.0	0	54.46	PEAK	74	PASS
	2412	Ant1	2390.0	-52.94	2.0	0	44.32	AV	54	PASS
	2462	Ant1	2483.5	-34.62	2.0	0	62.64	PEAK	74	PASS
	2462	Ant1	2483.5	-48.09	2.0	0	49.17	AV	54	PASS
	2462	Ant1	2500.0	-43.20	2.0	0	54.06	PEAK	74	PASS
	2462	Ant1	2500.0	-52.58	2.0	0	44.68	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-41.56	2.0	0	55.7	PEAK	74	PASS
	2412	Ant1	2310.0	-53.60	2.0	0	43.66	AV	54	PASS
	2412	Ant1	2390.0	-41.65	2.0	0	55.61	PEAK	74	PASS
	2412	Ant1	2390.0	-52.84	2.0	0	44.42	AV	54	PASS
	2462	Ant1	2483.5	-33.73	2.0	0	63.53	PEAK	74	PASS
	2462	Ant1	2483.5	-46.78	2.0	0	50.48	AV	54	PASS
	2462	Ant1	2500.0	-42.31	2.0	0	54.95	PEAK	74	PASS
	2462	Ant1	2500.0	-52.60	2.0	0	44.66	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-41.66	2.0	0	55.6	PEAK	74	PASS
	2422	Ant1	2310.0	-53.56	2.0	0	43.7	AV	54	PASS



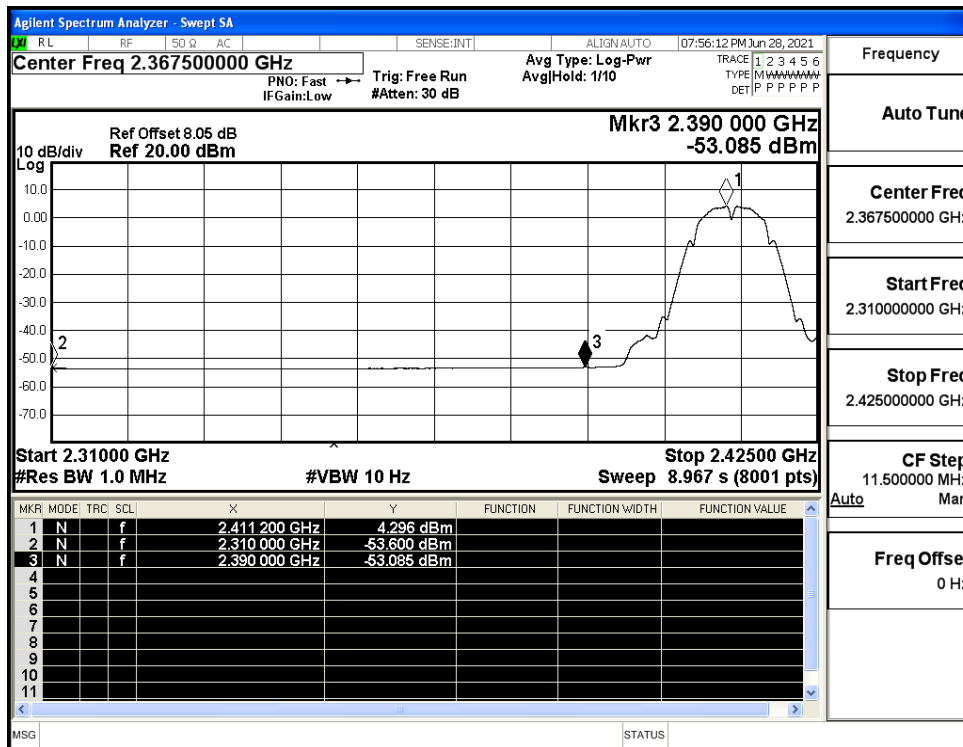
	2422	Ant1	2390.0	-34.03	2.0	0	63.23	PEAK	74	PASS
	2422	Ant1	2390.0	-50.63	2.0	0	46.63	AV	54	PASS
	2452	Ant1	2483.5	-24.87	2.0	0	72.39	PEAK	74	PASS
	2452	Ant1	2483.5	-43.05	2.0	0	54.21	AV	54	PASS
	2452	Ant1	2500.0	-42.53	2.0	0	54.73	PEAK	74	PASS
	2452	Ant1	2500.0	-52.58	2.0	0	44.68	AV	54	PASS



Restrict-band band-edge measurements_11B_2412_Ant1_PEAK

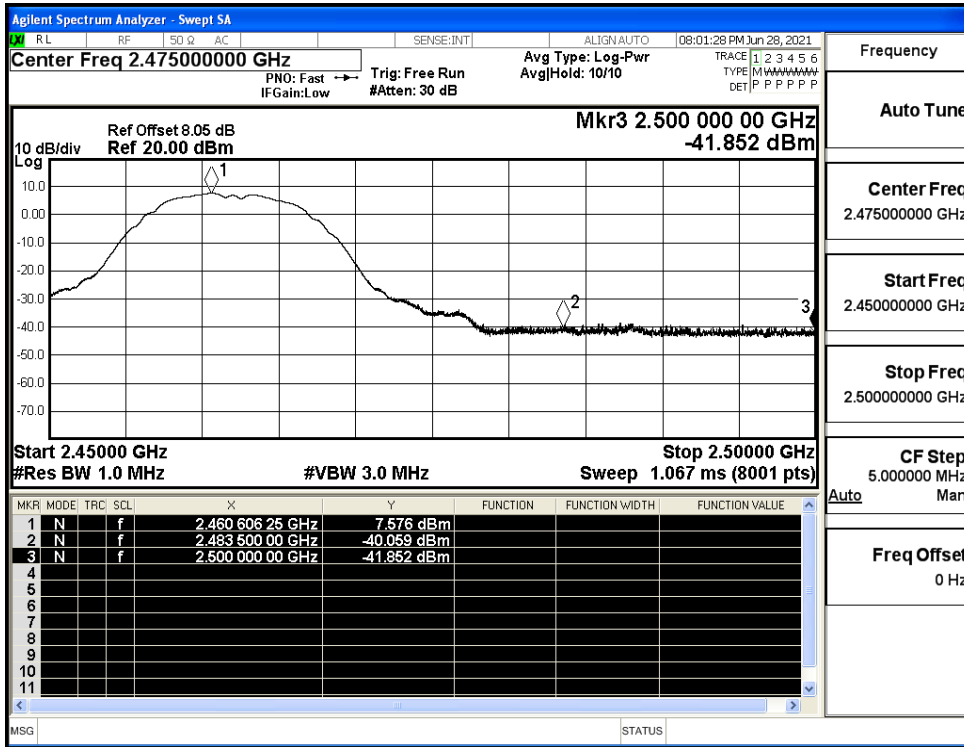


Restrict-band band-edge measurements_11B_2412_Ant1_AV

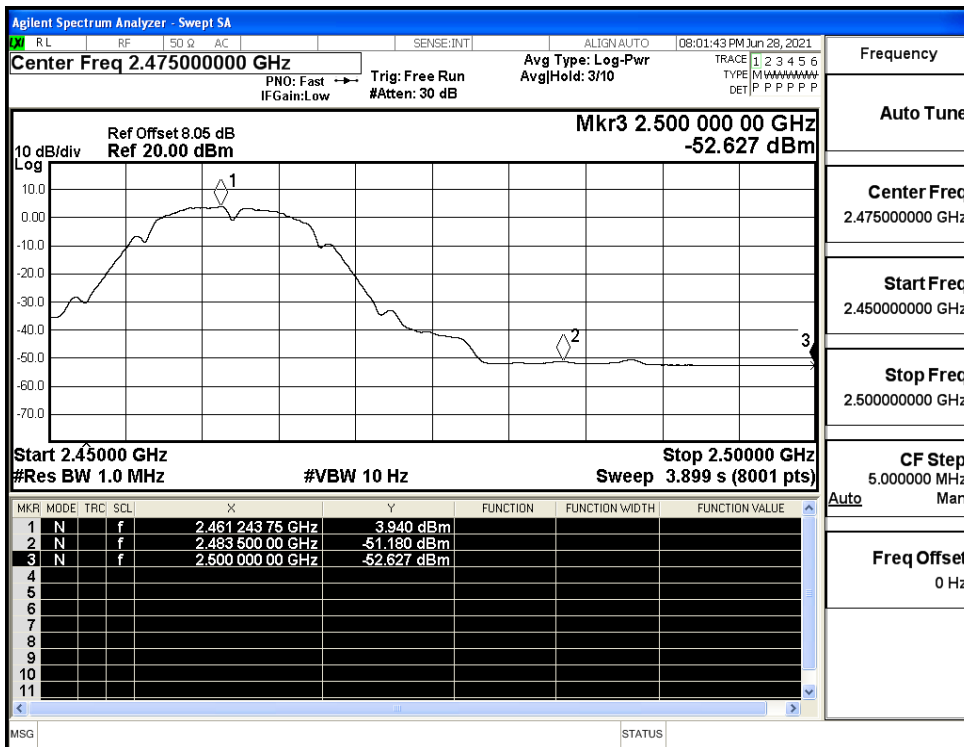




Restrict-band band-edge measurements_11B_2462_Ant1_PEAK

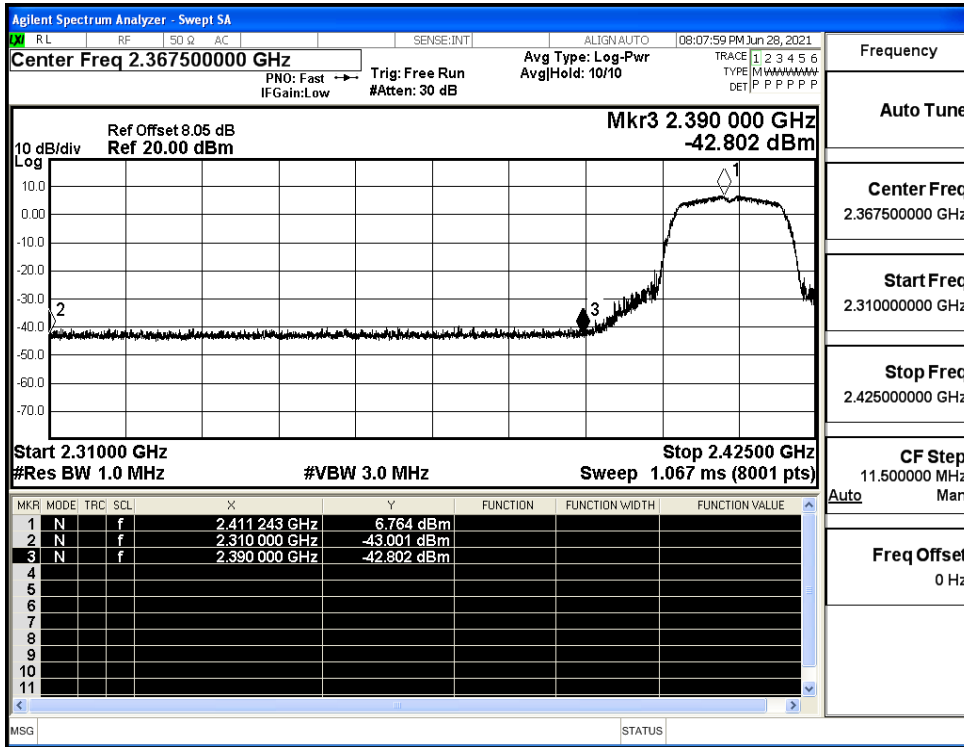


Restrict-band band-edge measurements_11B_2462_Ant1_AV

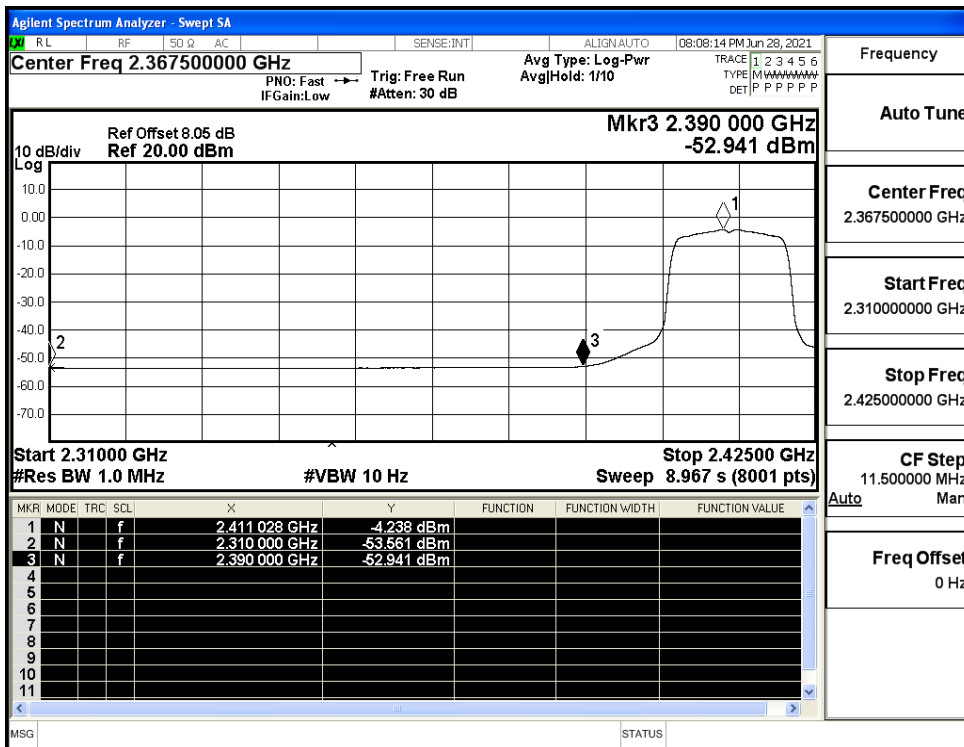




Restrict-band band-edge measurements_11G_2412_Ant1_PEAK

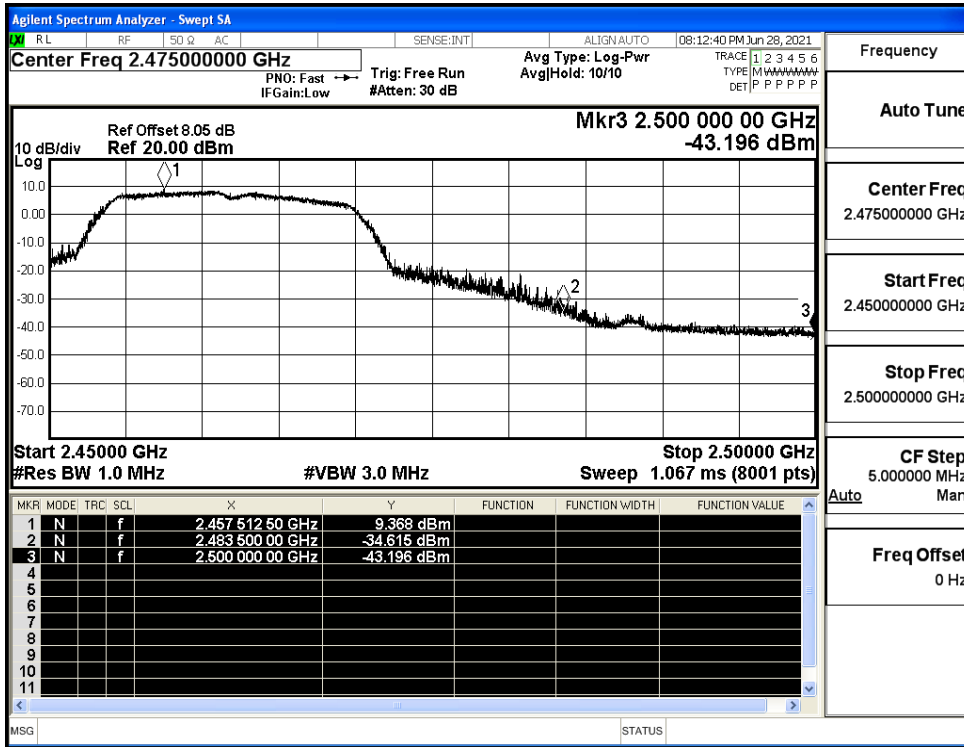


Restrict-band band-edge measurements_11G_2412_Ant1_AV

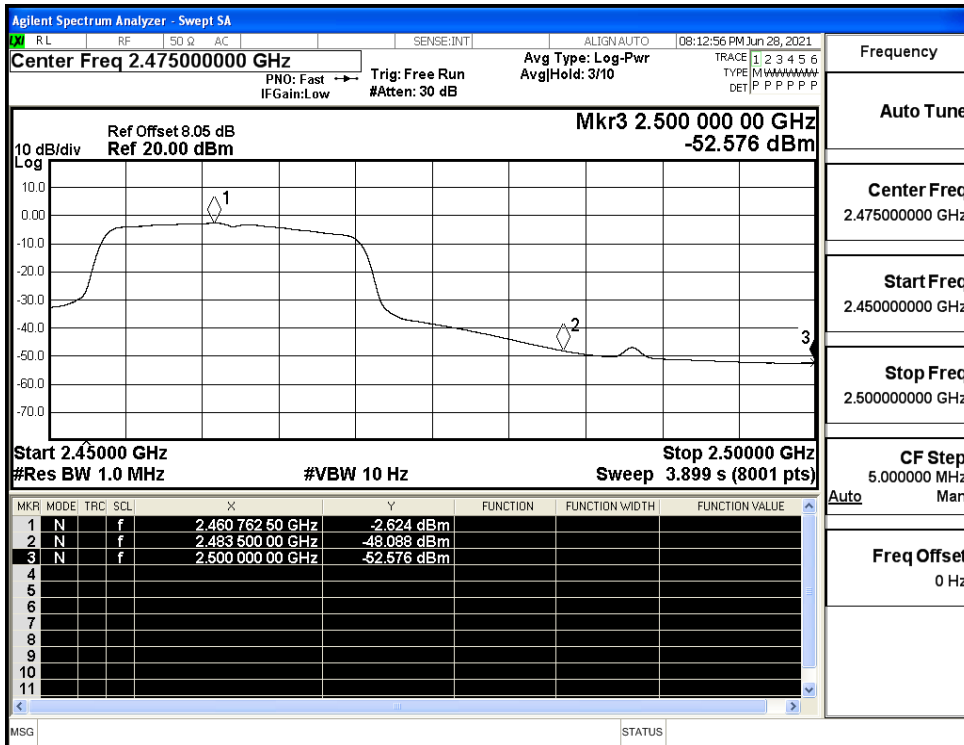




Restrict-band band-edge measurements_11G_2462_Ant1_PEAK

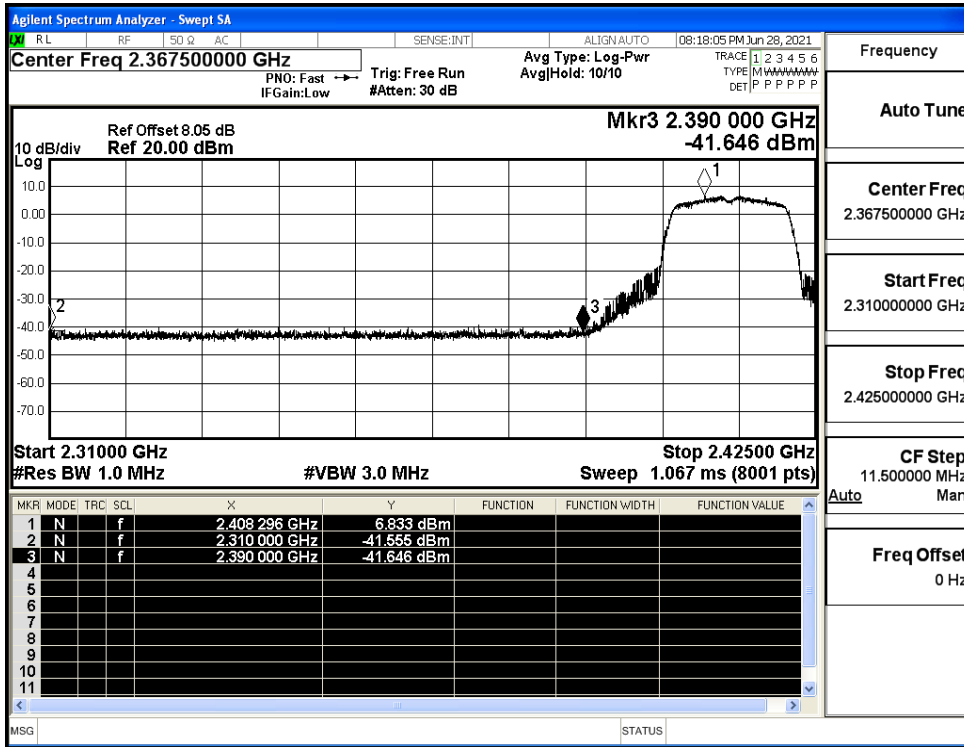


Restrict-band band-edge measurements_11G_2462_Ant1_AV

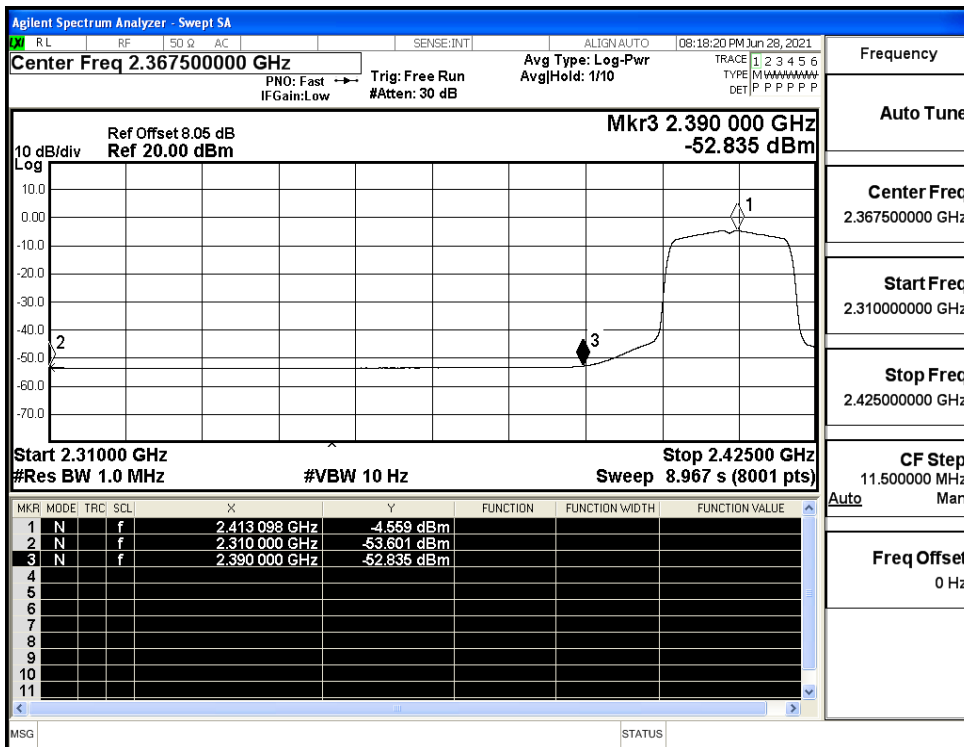




Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK

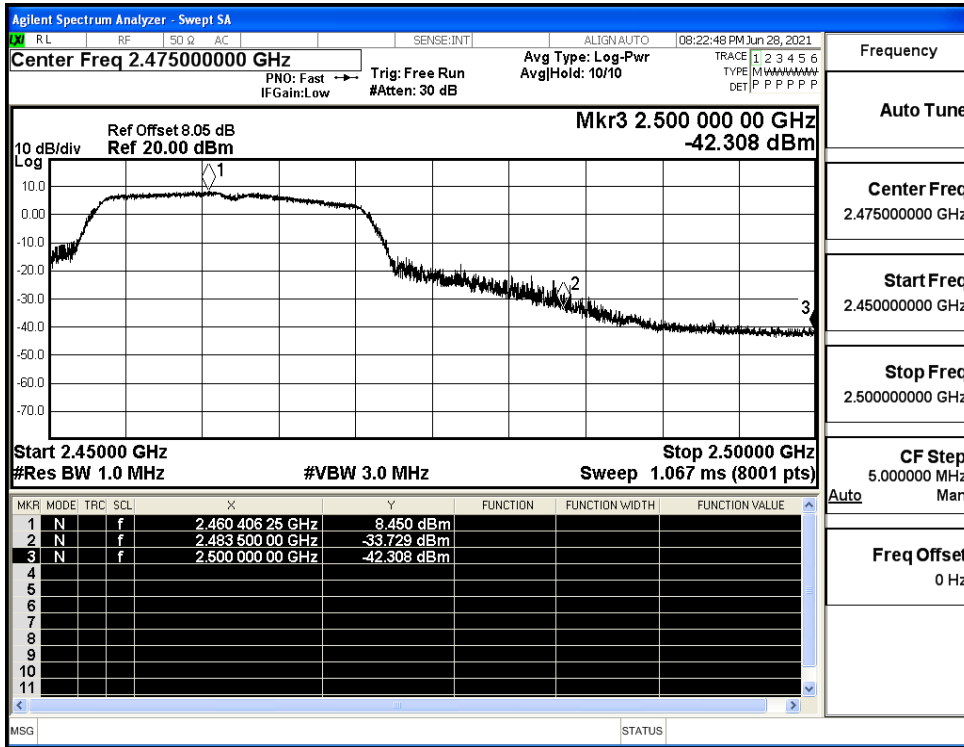


Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV

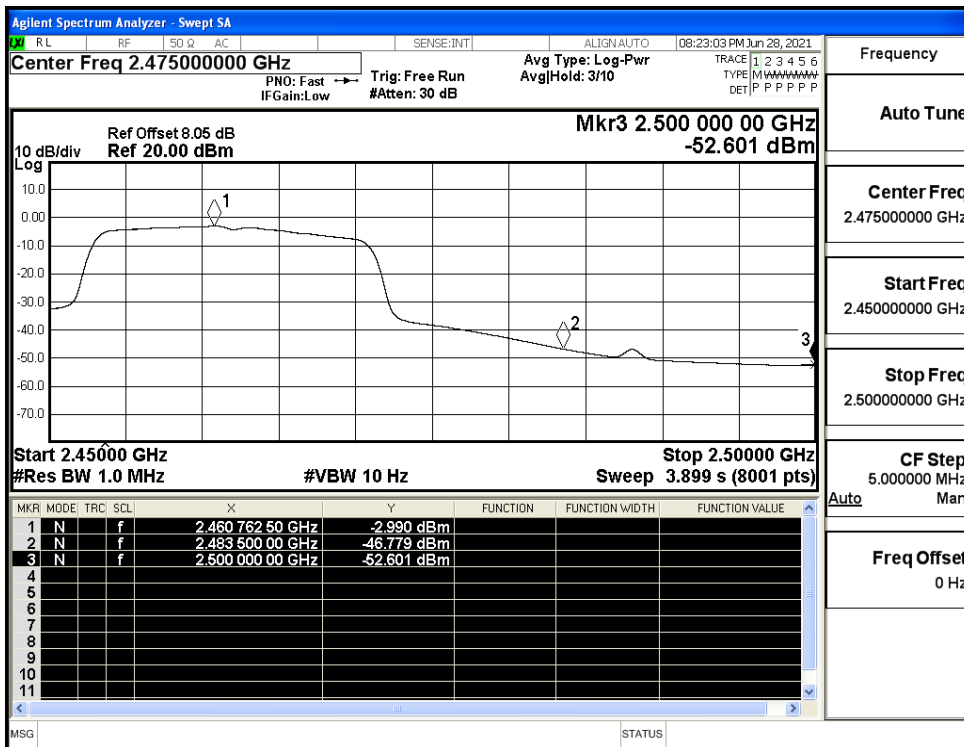




Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK

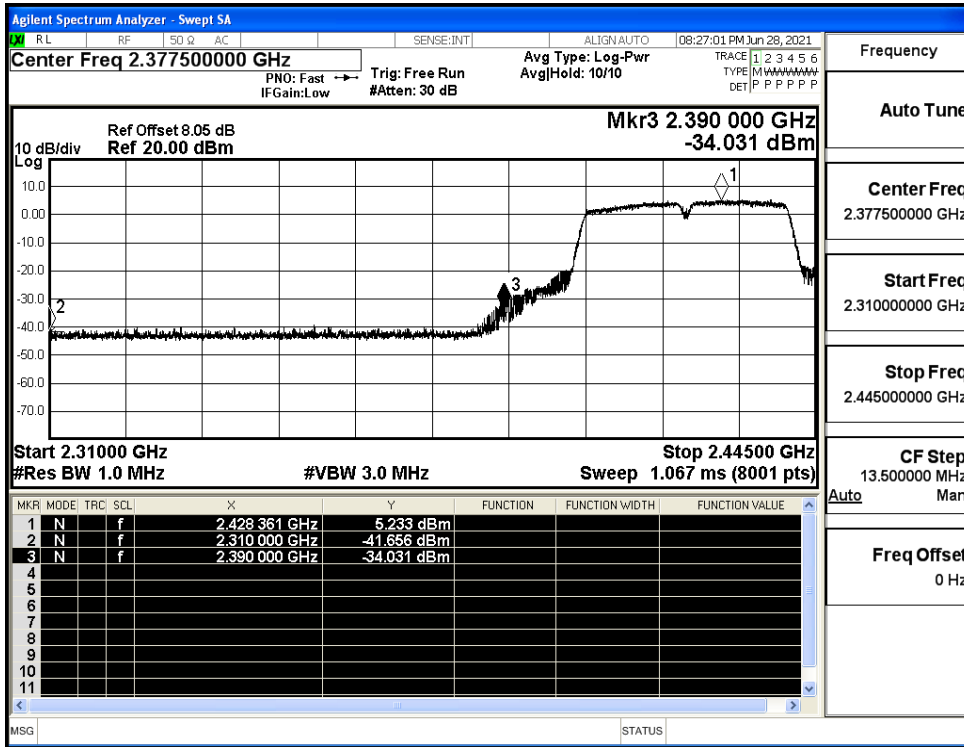


Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV

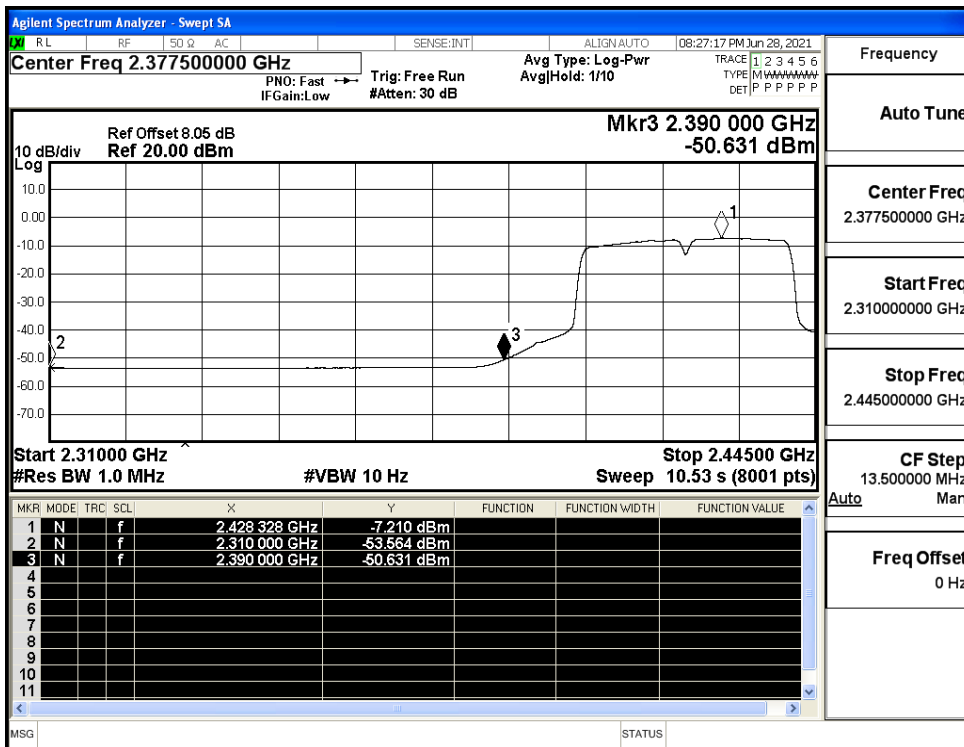




Restrict-band band-edge measurements_11N40SISO_2422_Ant1_PEAK

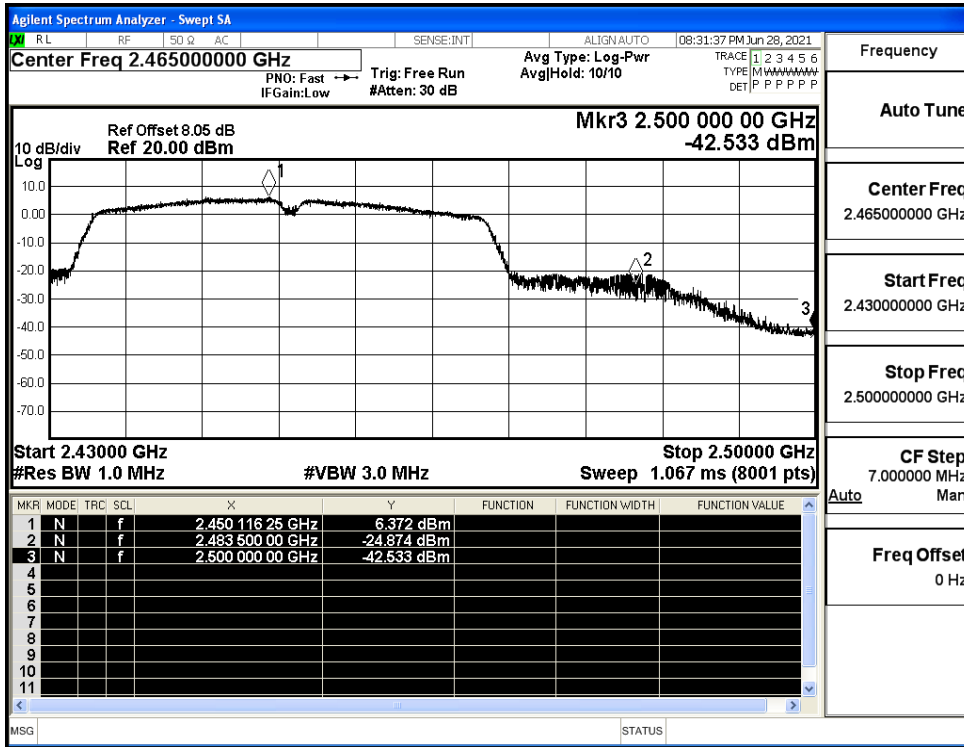


Restrict-band band-edge measurements_11N40SISO_2422_Ant1_AV





Restrict-band band-edge measurements_11N40SISO_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_AV

