

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.xu
Supervised by:	Tom.Liu

Appendix A): Maximum Conducted Output Power

Result Table

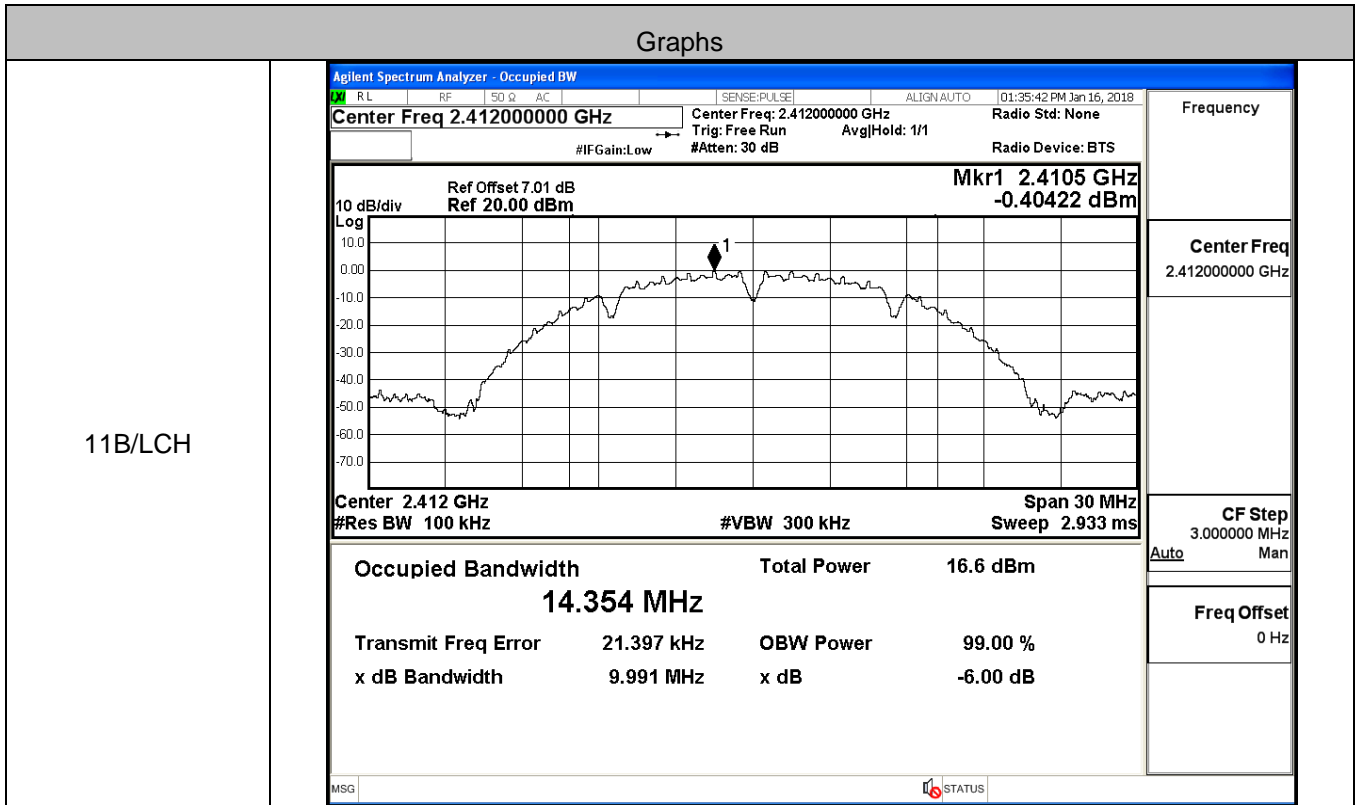
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	12.61	30	PASS
11B	MCH	12.73	30	PASS
11B	HCH	12.59	30	PASS
11G	LCH	13.8	30	PASS
11G	MCH	13.37	30	PASS
11G	HCH	12.93	30	PASS
11N20SISO	LCH	12.56	30	PASS
11N20SISO	MCH	12.4	30	PASS
11N20SISO	HCH	12.41	30	PASS

Appendix B): 6dB Bandwidth

Result Table

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.991	≥0.5	PASS
11B	MCH	9.988	≥0.5	PASS
11B	HCH	9.986	≥0.5	PASS
11G	LCH	16.61	≥0.5	PASS
11G	MCH	16.61	≥0.5	PASS
11G	HCH	16.60	≥0.5	PASS
11N20SISO	LCH	17.84	≥0.5	PASS
11N20SISO	MCH	17.83	≥0.5	PASS
11N20SISO	HCH	17.83	≥0.5	PASS

Test Graph



<p>11B/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Center Freq: 2.437000000 GHz</p> <p>Trig: Free Run Avg/Hold: 1/1</p> <p>#IFGain:Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Mkr1 2.4355 GHz</p> <p>Ref 20.00 dBm -0.28864 dBm</p> <p>Center 2.437 GHz Span 30 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 14.323 MHz</p> <p>Total Power 16.7 dBm</p> <p>Transmit Freq Error 31.620 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.988 MHz</p> <p>x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq</p> <p>2.437000000 GHz</p> <p>CF Step</p> <p>3.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset</p> <p>0 Hz</p>
	<p>11B/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.46200000 GHz</p> <p>Center Freq: 2.462000000 GHz</p> <p>Trig: Free Run Avg/Hold: 1/1</p> <p>#IFGain:Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Mkr1 2.46149 GHz</p> <p>Ref 20.00 dBm -0.45127 dBm</p> <p>Center 2.462 GHz Span 30 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 14.313 MHz</p> <p>Total Power 16.6 dBm</p> <p>Transmit Freq Error 28.913 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.986 MHz</p> <p>x dB -6.00 dB</p>

<p>11G/LCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.41200000 GHz</p> <p>Center Freq: 2.41200000 GHz</p> <p>Trig: Free Run Avg/Hold: 1/1</p> <p>#IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr1 2.41353 GHz -8.1854 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 16.507 MHz Total Power 12.4 dBm</p> <p>Transmit Freq Error -1.872 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.61 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>Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11G/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Center Freq: 2.437000000 GHz</p> <p>Trig: Free Run Avg/Hold: 1/1</p> <p>#IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr1 2.43427 GHz -8.4602 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 16.498 MHz Total Power 12.1 dBm</p> <p>Transmit Freq Error -5.832 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.61 MHz x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p>

<p>11G/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.46200000 GHz</p> <p>Center Freq: 2.46200000 GHz</p> <p>Trig: Free Run Avg/Hold: 1/1</p> <p>#IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr1 2.45927 GHz -8.8824 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 16.490 MHz Total Power 11.6 dBm</p> <p>Transmit Freq Error -8.218 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.60 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>Auto Man</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>Center Freq: 2.41200000 GHz</p> <p>Trig: Free Run Avg/Hold: 1/1</p> <p>#IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr1 2.40663 GHz -9.4583 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 17.673 MHz Total Power 11.0 dBm</p> <p>Transmit Freq Error 13.756 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.84 MHz x dB -6.00 dB</p>

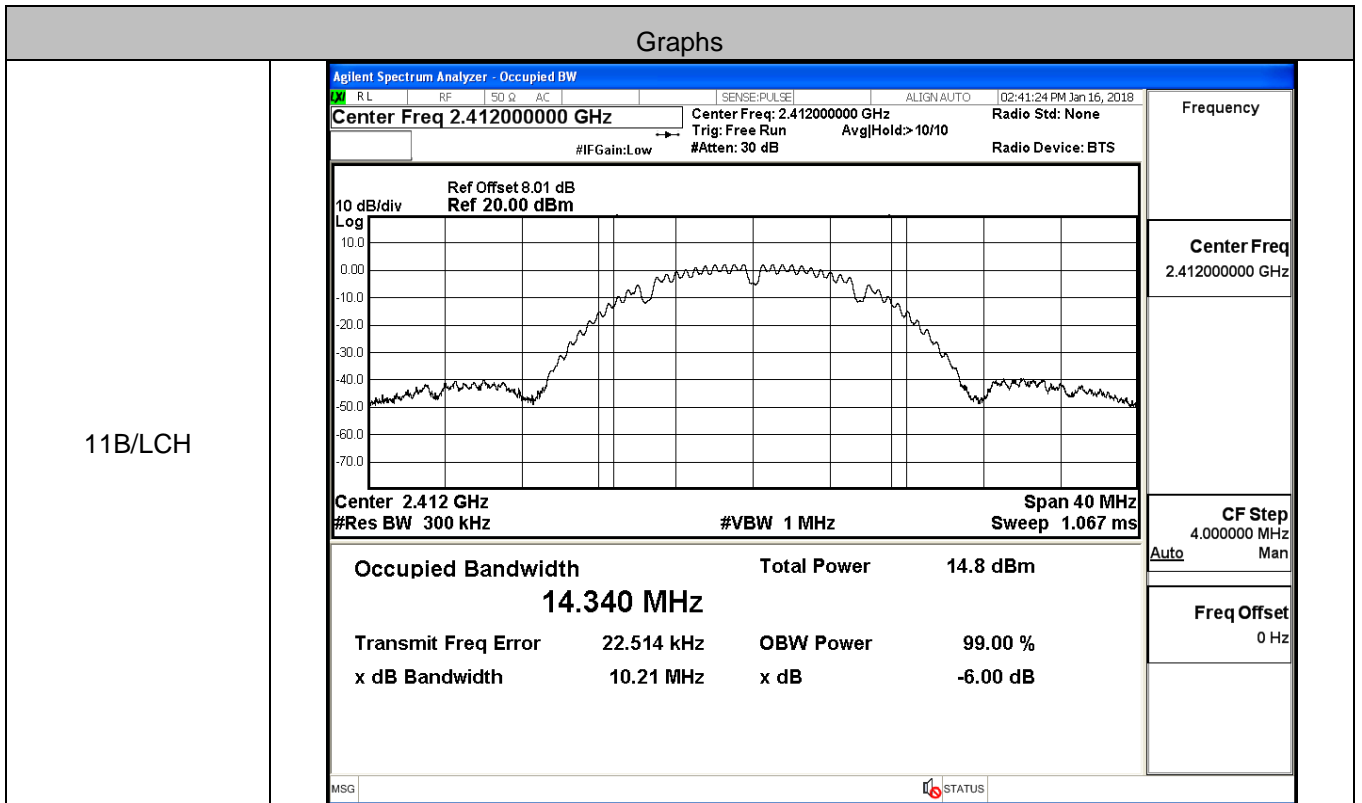
<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Center Freq: 2.43700000 GHz</p> <p>Trig: Free Run Avg/Hold: 1/1</p> <p>#IFGain:Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Mkr1 2.43415 GHz</p> <p>Log Ref 20.00 dBm -9.4494 dBm</p> <p>Center 2.437 GHz Span 30 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth Total Power 10.9 dBm</p> <p>17.673 MHz</p> <p>Transmit Freq Error 17.990 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.83 MHz x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq</p> <p>2.43700000 GHz</p> <p>CF Step</p> <p>3.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset</p> <p>0 Hz</p>
	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.46200000 GHz</p> <p>Center Freq: 2.46200000 GHz</p> <p>Trig: Free Run Avg/Hold: 1/1</p> <p>#IFGain:Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Mkr1 2.45663 GHz</p> <p>Log Ref 20.00 dBm -9.4123 dBm</p> <p>Center 2.462 GHz Span 30 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth Total Power 10.9 dBm</p> <p>17.675 MHz</p> <p>Transmit Freq Error 16.680 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.83 MHz x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq</p> <p>2.46200000 GHz</p> <p>CF Step</p> <p>3.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset</p> <p>0 Hz</p>

Appendix C): 99% Occupied Bandwidth

Result Table

Mode	Channel	99% OBW [MHz]	Verdict
11B	LCH	14.340	PASS
11B	MCH	14.296	PASS
11B	HCH	14.283	PASS
11G	LCH	16.900	PASS
11G	MCH	16.889	PASS
11G	HCH	16.891	PASS
11N20SISO	LCH	17.844	PASS
11N20SISO	MCH	17.835	PASS
11N20SISO	HCH	17.820	PASS

Test Graph



<p>11B/MCH</p>		<p>Frequency 2.43700000 GHz</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
		<p>Frequency 2.46200000 GHz</p> <p>Center Freq 2.46200000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>

<p>11G/LCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.41200000 GHz</p> <p>Center Freq: 2.41200000 GHz</p> <p>Trig: Free Run Avg/Hold: 10/10</p> <p>#IFGain:Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.01 dB Ref 20.00 dBm</p> <p>Log</p> <p>Center 2.412 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 1.067 ms</p> <p>Occupied Bandwidth Total Power 13.6 dBm</p> <p>16.900 MHz</p> <p>Transmit Freq Error 5.035 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.59 MHz x dB -6.00 dB</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.41200000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	<p>11G/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Center Freq: 2.437000000 GHz</p> <p>Trig: Free Run Avg/Hold: 10/10</p> <p>#IFGain:Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.01 dB Ref 20.00 dBm</p> <p>Log</p> <p>Center 2.437 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 1.067 ms</p> <p>Occupied Bandwidth Total Power 13.4 dBm</p> <p>16.889 MHz</p> <p>Transmit Freq Error -5.217 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 16.45 MHz x dB -6.00 dB</p> <p>MSG STATUS</p>

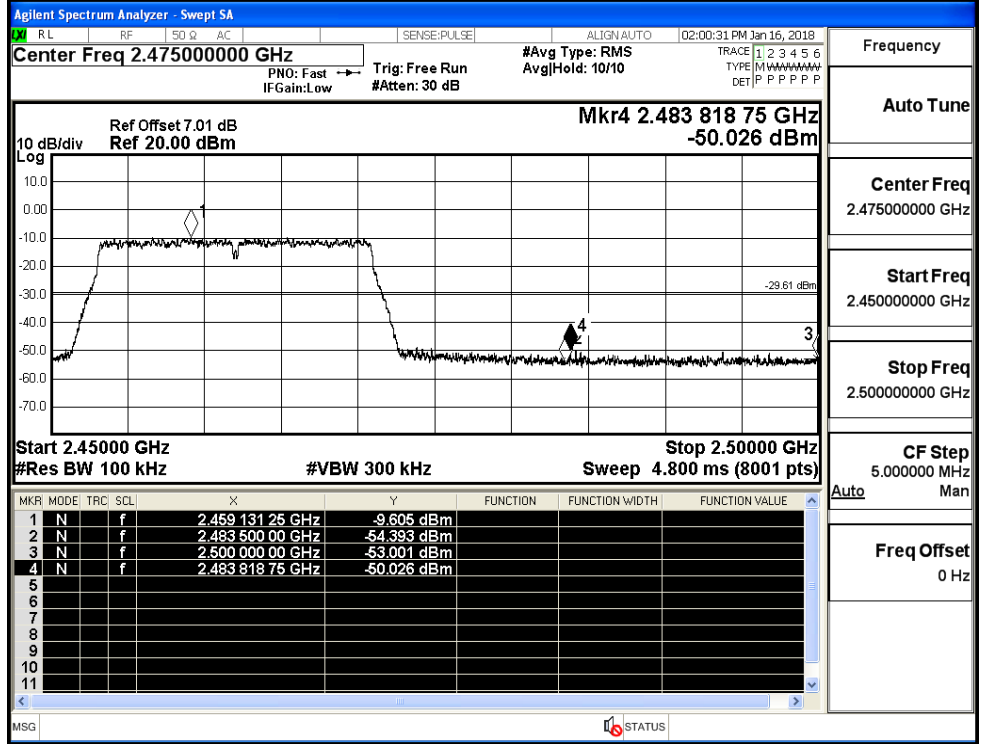
<p>11G/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.46200000 GHz</p> <p>Center Freq: 2.462000000 GHz</p> <p>Trig: Free Run Avg/Hold: >10/10</p> <p>#IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.01 dB Ref 20.00 dBm</p> <p>Log</p> <p>Center 2.462 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 1.067 ms</p> <p>Occupied Bandwidth 16.891 MHz</p> <p>Total Power 13.2 dBm</p> <p>Transmit Freq Error 23.412 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 16.46 MHz</p> <p>x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.46200000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Auto Man</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>Center Freq: 2.412000000 GHz</p> <p>Trig: Free Run Avg/Hold: 10/10</p> <p>#IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.01 dB Ref 20.00 dBm</p> <p>Log</p> <p>Center 2.412 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 1.067 ms</p> <p>Occupied Bandwidth 17.844 MHz</p> <p>Total Power 12.6 dBm</p> <p>Transmit Freq Error 35.941 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.70 MHz</p> <p>x dB -6.00 dB</p>

<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.43700000 GHz</p> <p>Center Freq: 2.437000000 GHz</p> <p>Trig: Free Run Avg/Hold: 10/10</p> <p>#IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.01 dB Ref 20.00 dBm</p> <p>Log</p> <p>Center 2.437 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 1.067 ms</p> <p>Occupied Bandwidth 17.835 MHz</p> <p>Total Power 12.4 dBm</p> <p>Transmit Freq Error 14.999 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.66 MHz</p> <p>x dB -6.00 dB</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.437000000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>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</p> <p>Center Freq: 2.462000000 GHz</p> <p>Trig: Free Run Avg/Hold: >10/10</p> <p>#IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.01 dB Ref 20.00 dBm</p> <p>Log</p> <p>Center 2.462 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 1.067 ms</p> <p>Occupied Bandwidth 17.820 MHz</p> <p>Total Power 12.2 dBm</p> <p>Transmit Freq Error 18.320 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.67 MHz</p> <p>x dB -6.00 dB</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.462000000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p>

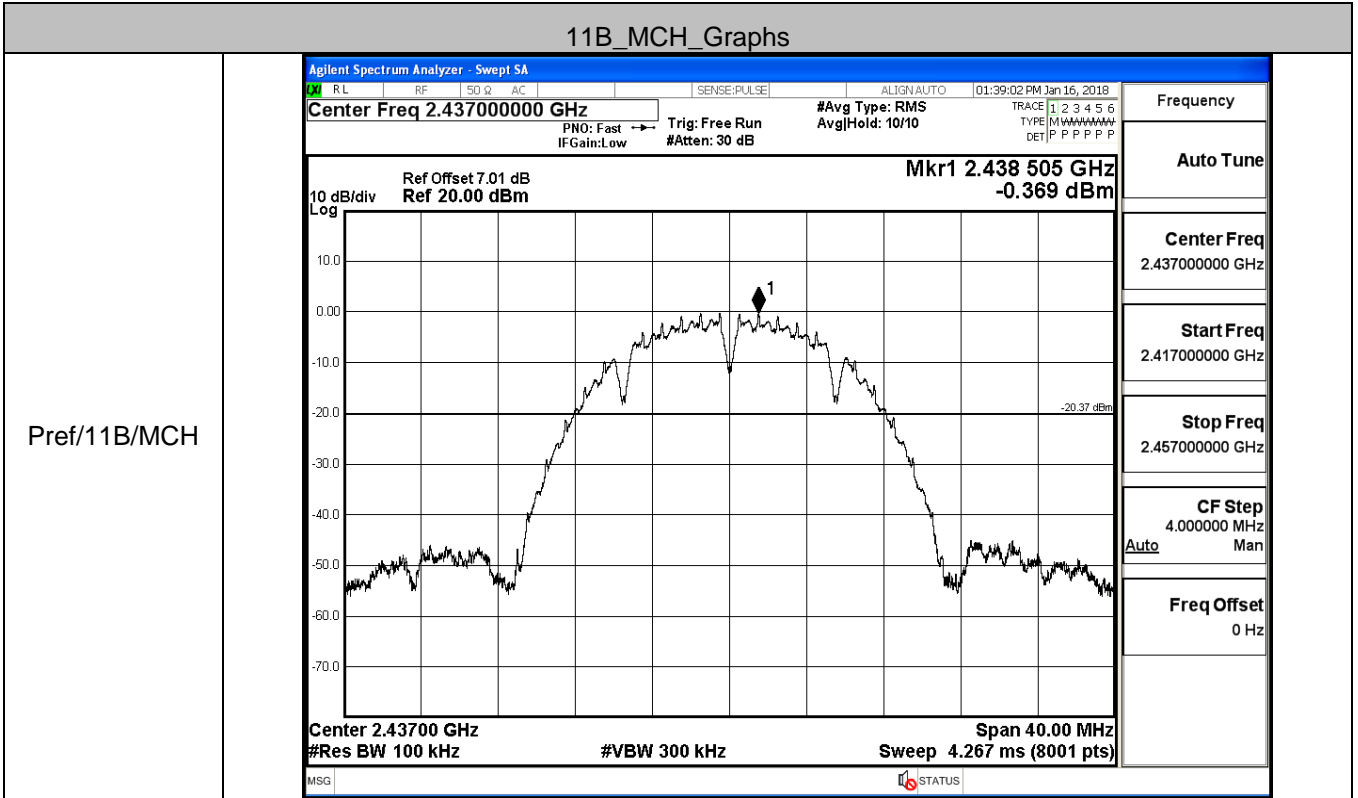
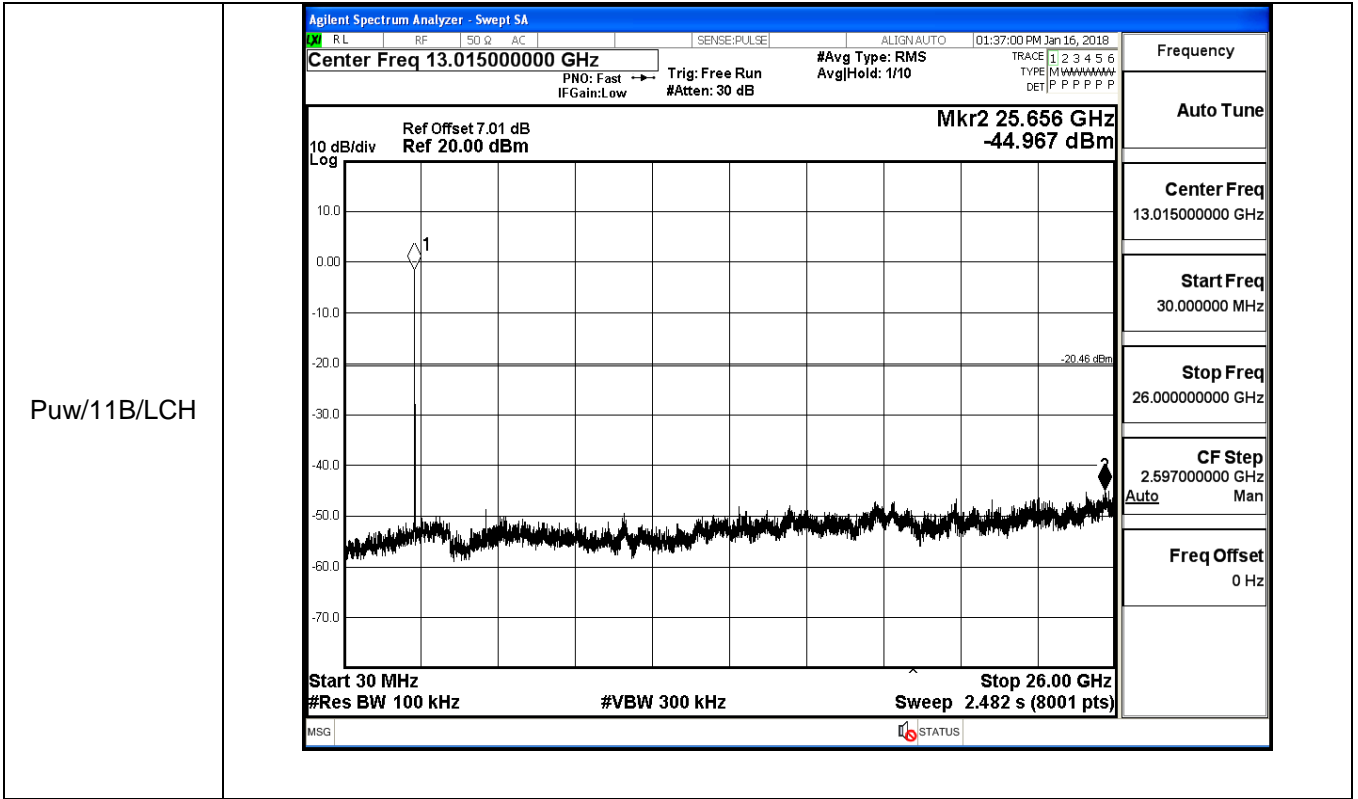
<p>11B/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.47500000 GHz</p> <p>Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr4 2.499 606 25 GHz -50.684 dBm</p> <p>Start 2.45000 GHz Stop 2.50000 GHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 4.800 ms (8001 pts)</p> <table border="1"> <thead> <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>f</td> <td></td> <td>2.463 506 25 GHz</td> <td>-0.437 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>-54.778 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>-52.178 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.499 606 25 GHz</td> <td>-50.684 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		2.463 506 25 GHz	-0.437 dBm				2	N	f		2.483 500 00 GHz	-54.778 dBm				3	N	f		2.500 000 00 GHz	-52.178 dBm				4	N	f		2.499 606 25 GHz	-50.684 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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<p>11G/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.36750000 GHz</p> <p>Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr4 2.389 077 GHz -50.163 dBm</p> <p>Start 2.31000 GHz Stop 2.42500 GHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 11.20 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>f</td> <td></td> <td>2.413 644 GHz</td> <td>-8.263 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>-51.462 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>-52.713 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.389 077 GHz</td> <td>-50.163 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		2.413 644 GHz	-8.263 dBm				2	N	f		2.400 000 GHz	-51.462 dBm				3	N	f		2.390 000 GHz	-52.713 dBm				4	N	f		2.389 077 GHz	-50.163 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.36750000 GHz</p> <p>Start Freq 2.31000000 GHz</p> <p>Stop Freq 2.42500000 GHz</p> <p>CF Step 11.500000 MHz</p> <p>Freq Offset 0 Hz</p>
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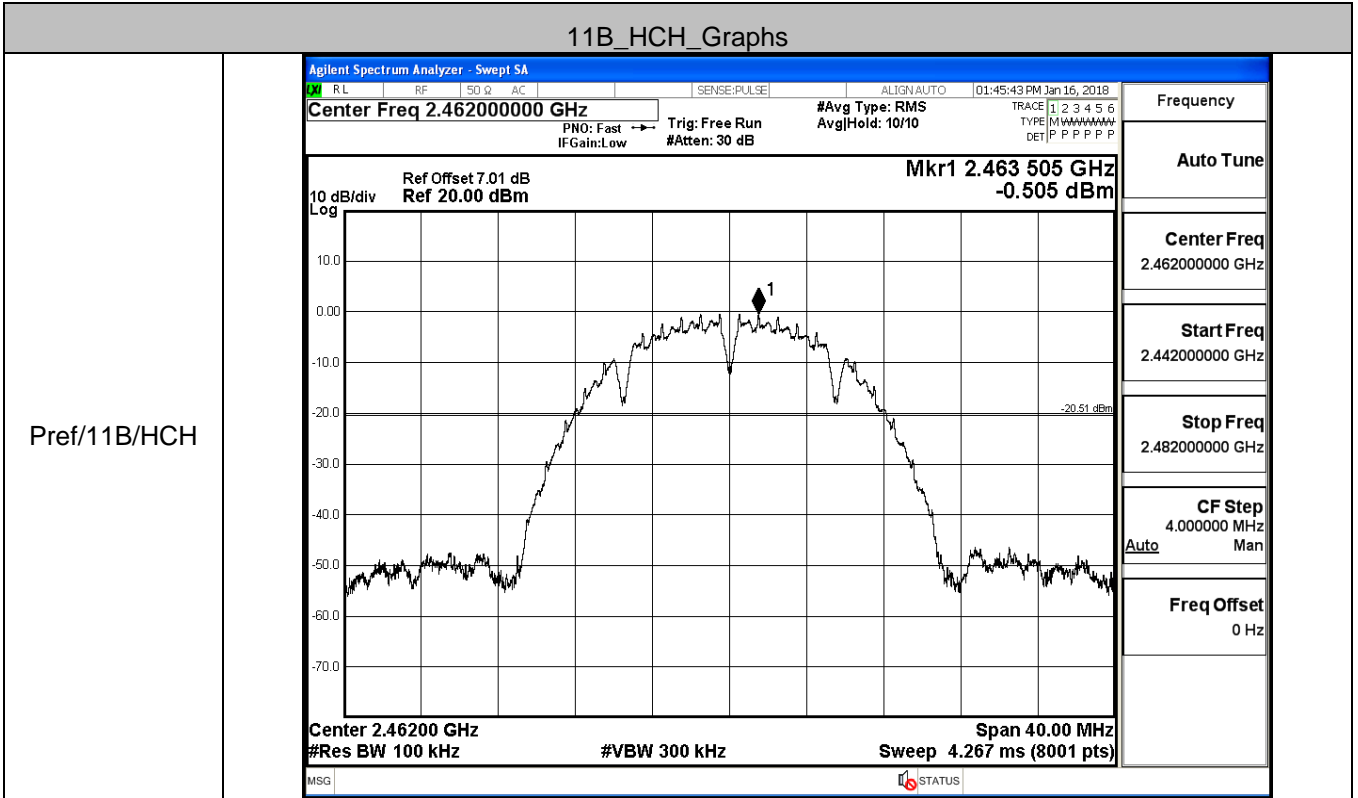
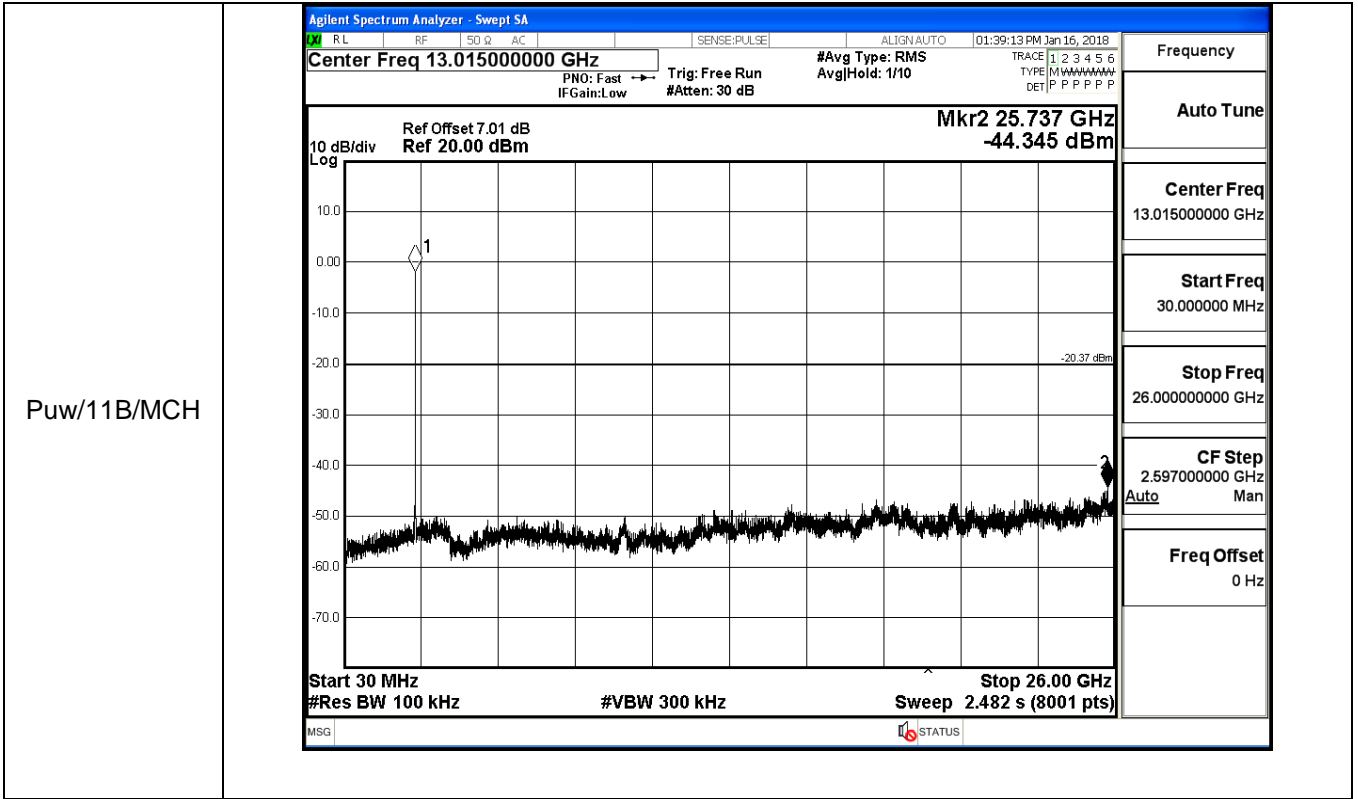
<p>11G/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.47500000 GHz</p> <p>Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr4 2.496 568 75 GHz -50.437 dBm</p> <p>Start 2.45000 GHz #Res BW 100 kHz</p> <p>Stop 2.50000 GHz #VBW 300 kHz Sweep 4.800 ms (8001 pts)</p> <table border="1"> <thead> <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>f</td> <td></td> <td>2.459 250 00 GHz</td> <td>-9.029 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>-53.443 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>-52.019 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.496 568 75 GHz</td> <td>-50.437 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		2.459 250 00 GHz	-9.029 dBm				2	N	f		2.483 500 00 GHz	-53.443 dBm				3	N	f		2.500 000 00 GHz	-52.019 dBm				4	N	f		2.496 568 75 GHz	-50.437 dBm			
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3	N	f		2.500 000 00 GHz	-52.019 dBm																																									
4	N	f		2.496 568 75 GHz	-50.437 dBm																																									
<p>11N20SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.36750000 GHz</p> <p>Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr4 2.314 169 GHz -51.558 dBm</p> <p>Start 2.31000 GHz #Res BW 100 kHz</p> <p>Stop 2.42500 GHz #VBW 300 kHz Sweep 11.20 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>f</td> <td></td> <td>2.406 629 GHz</td> <td>-9.439 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>-52.651 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>-54.620 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.314 169 GHz</td> <td>-51.558 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		2.406 629 GHz	-9.439 dBm				2	N	f		2.400 000 GHz	-52.651 dBm				3	N	f		2.390 000 GHz	-54.620 dBm				4	N	f		2.314 169 GHz	-51.558 dBm			
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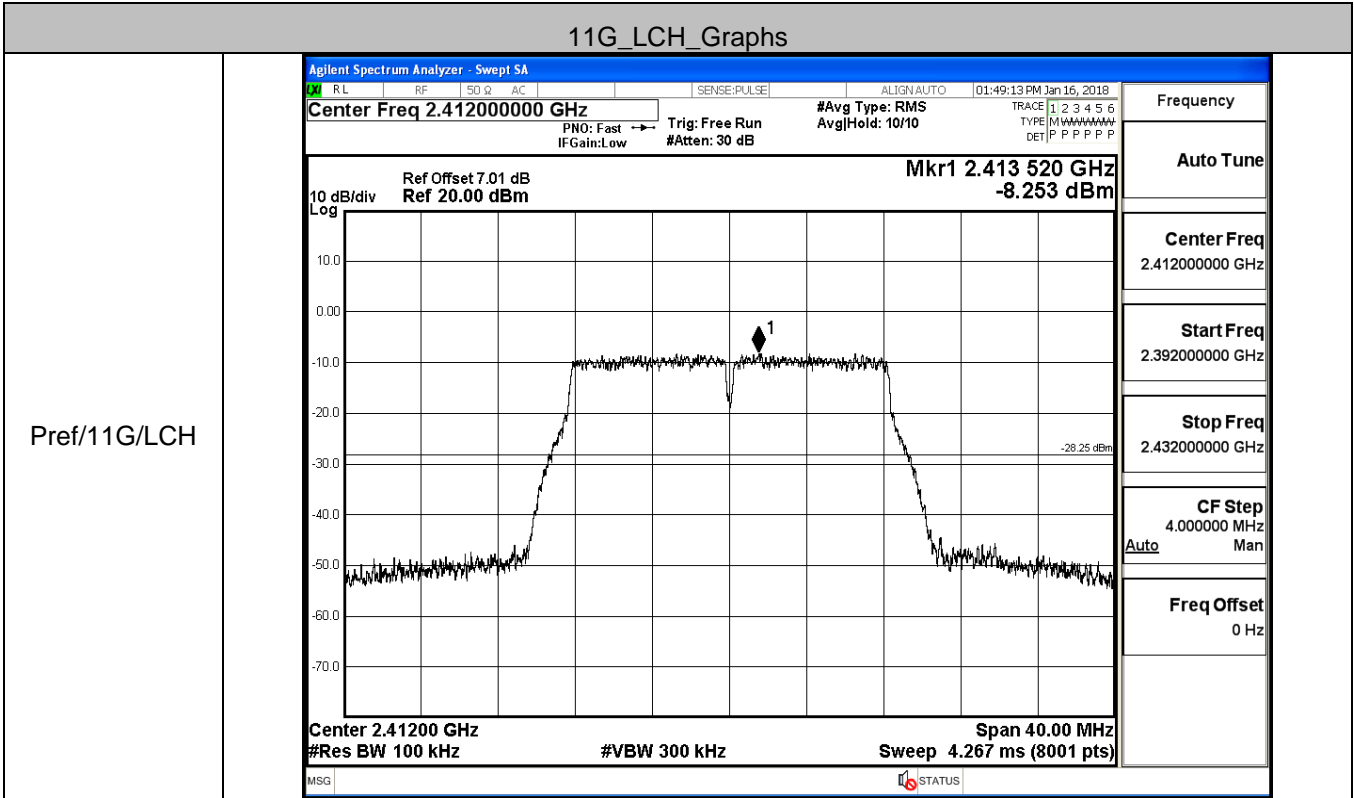
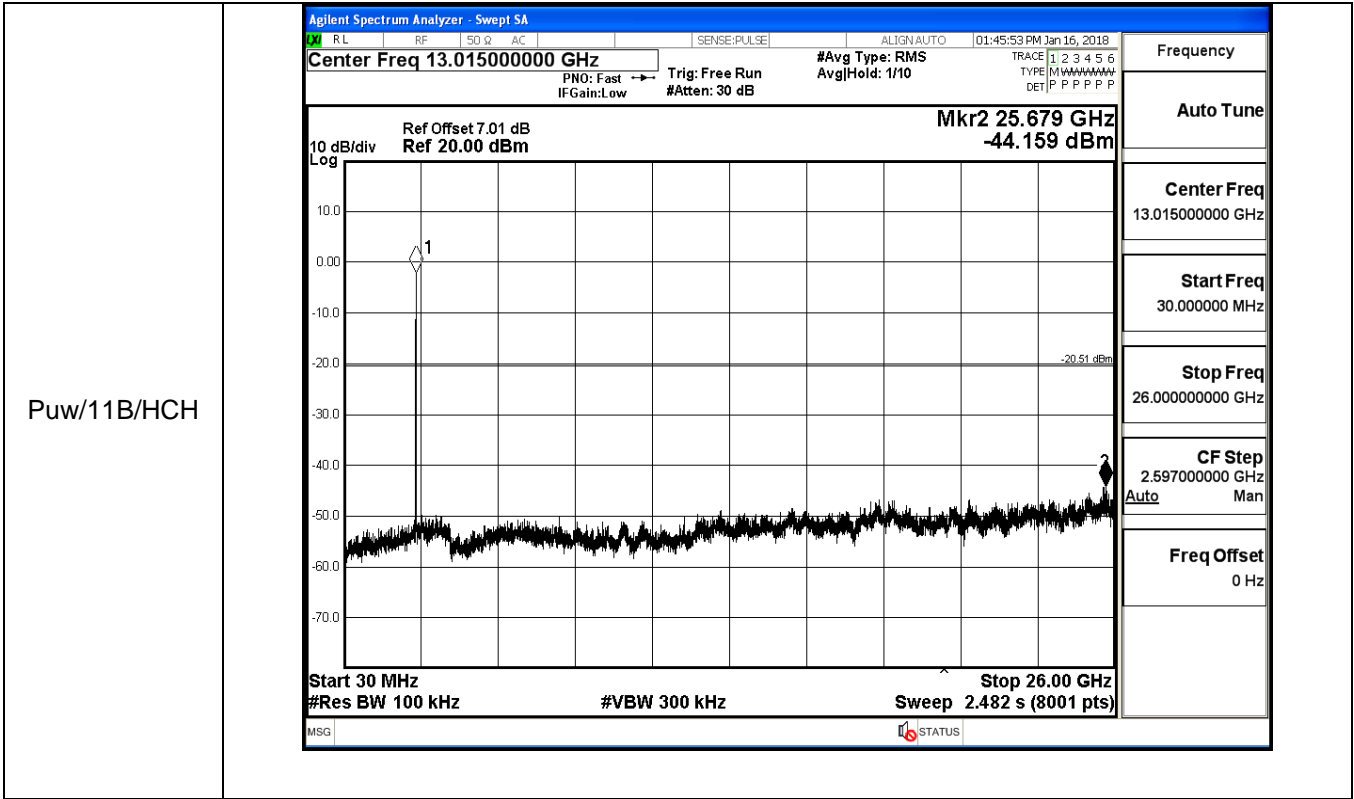
11N20SISO/HCH

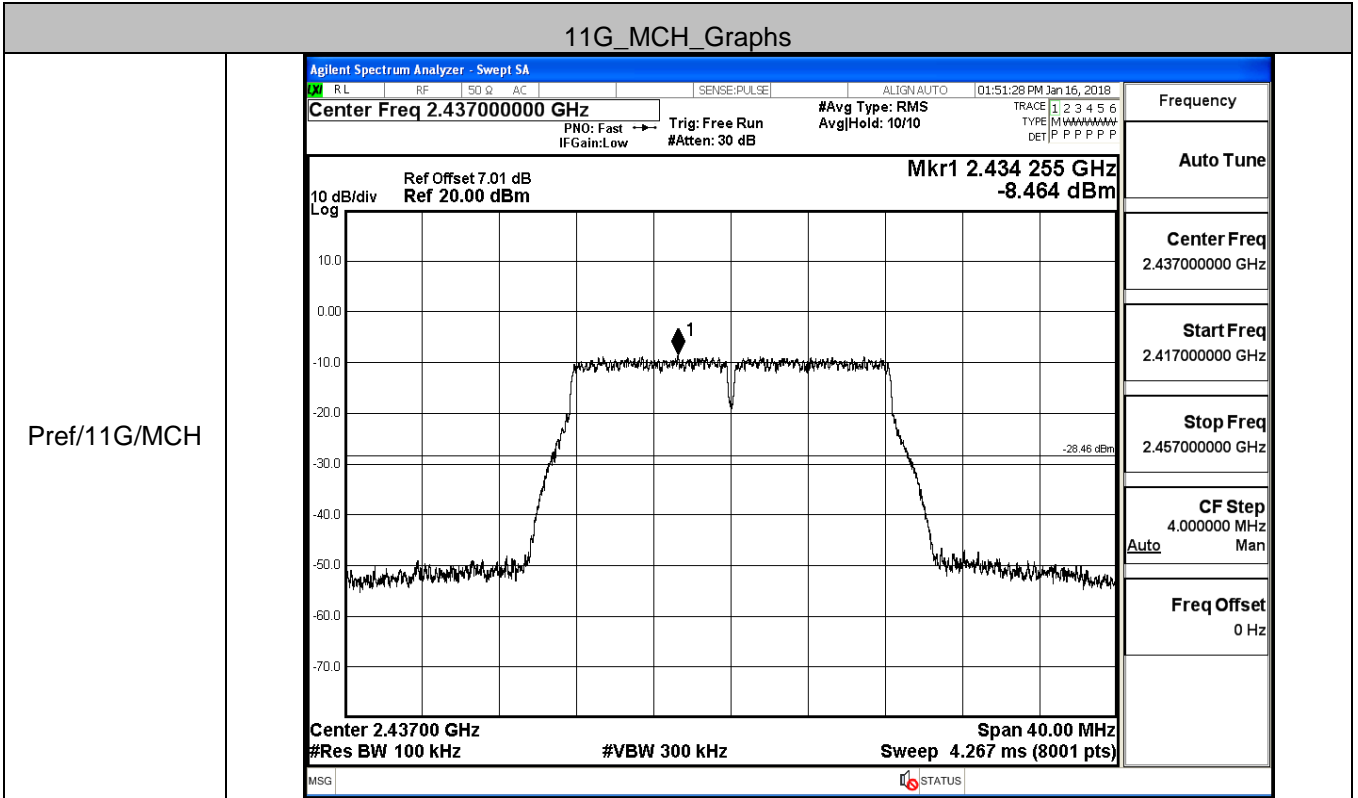
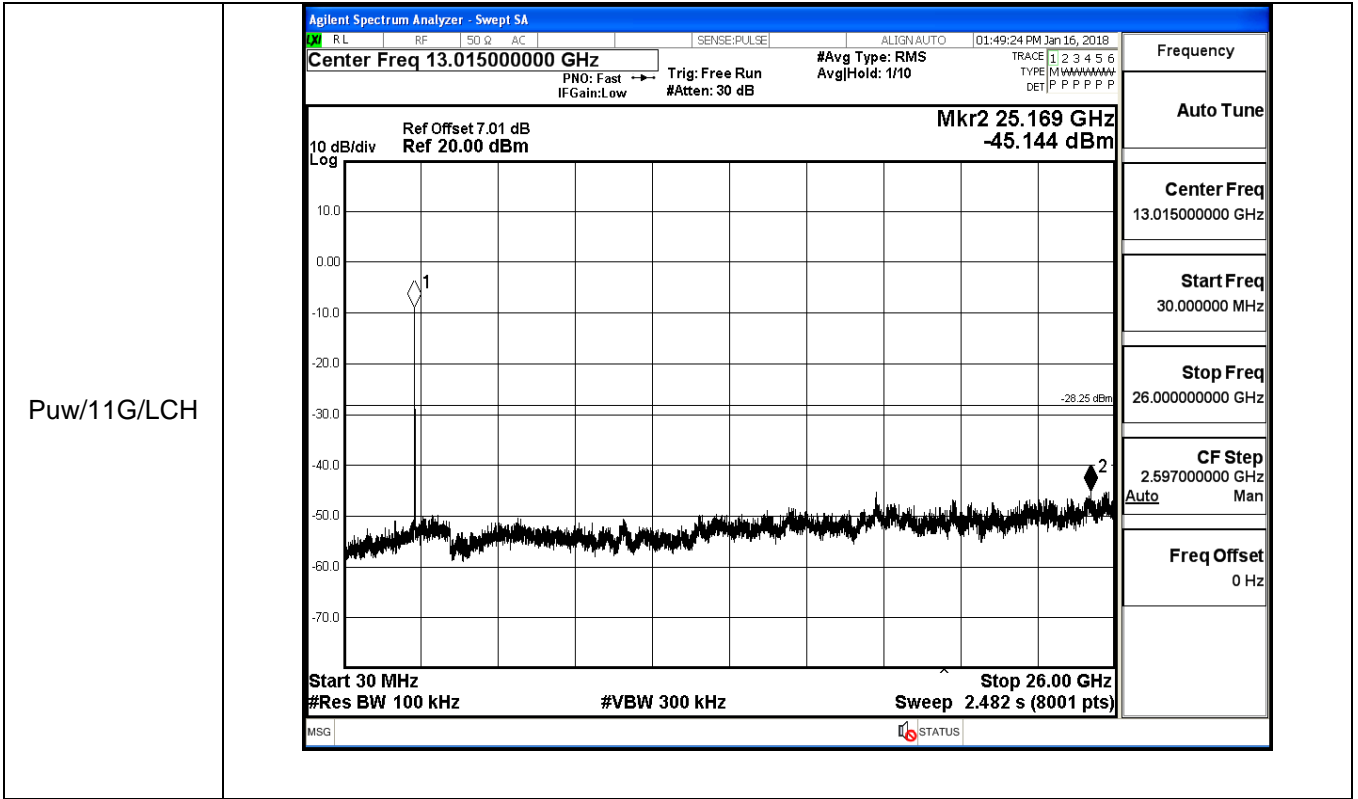


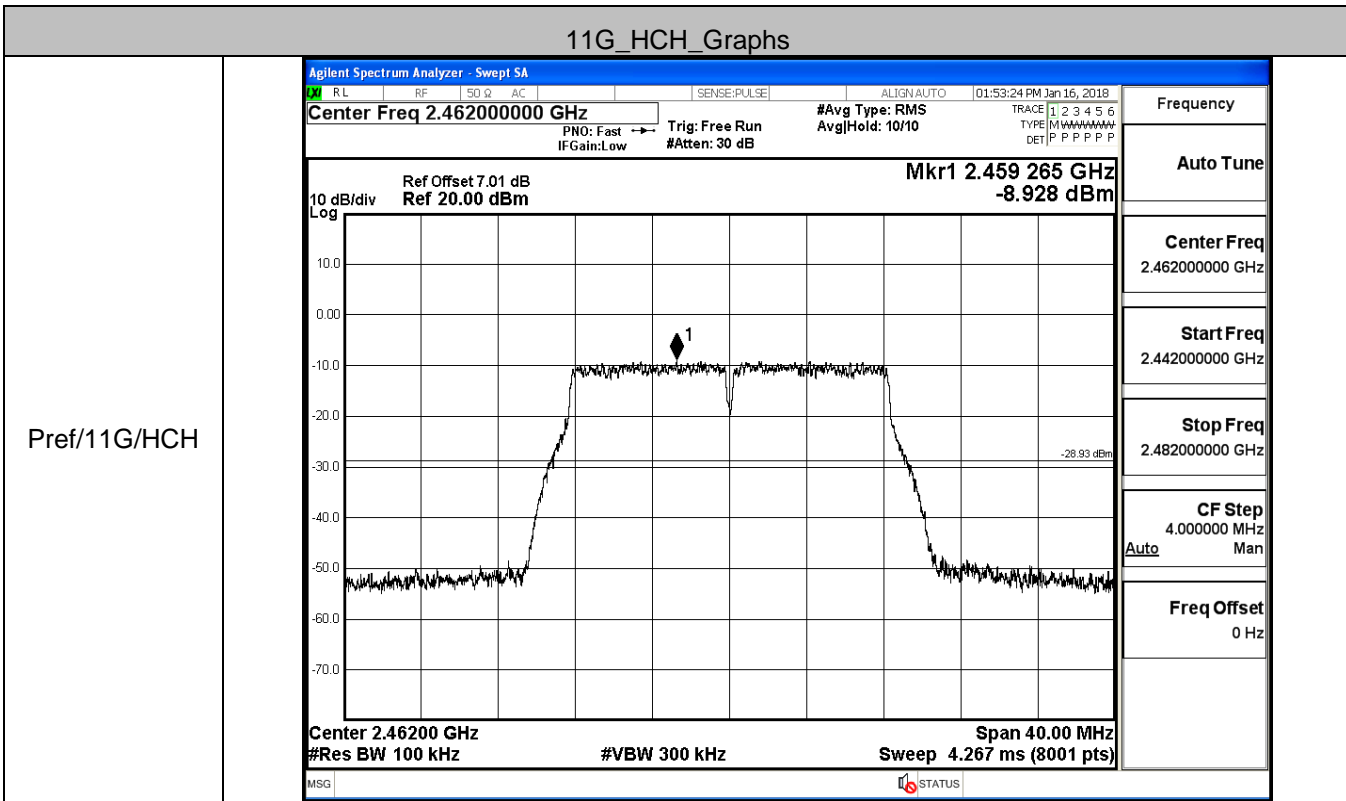
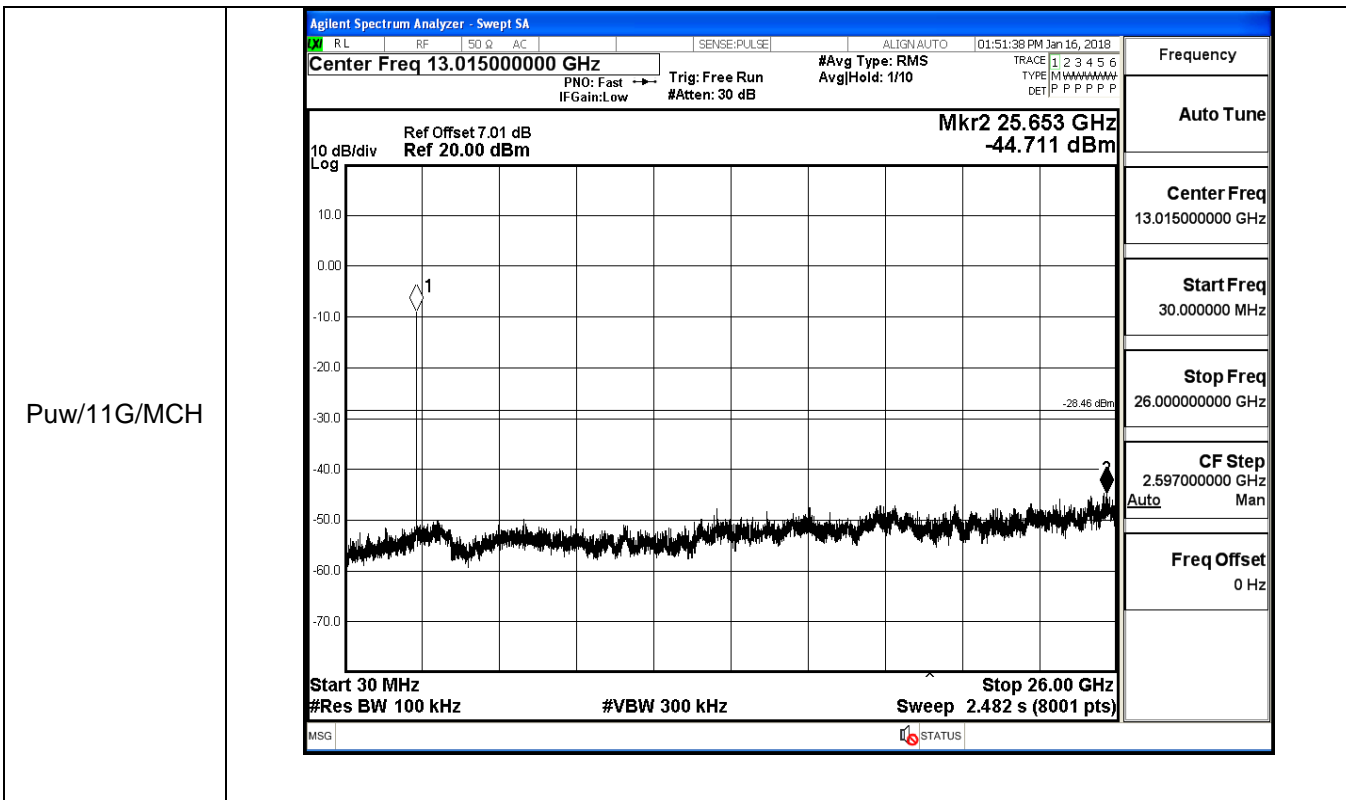
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Auto Tune
Center Freq 2.475000000 GHz
Start Freq 2.450000000 GHz
Stop Freq 2.500000000 GHz
CF Step 5.000000 MHz
Auto Man
Freq Offset 0 Hz

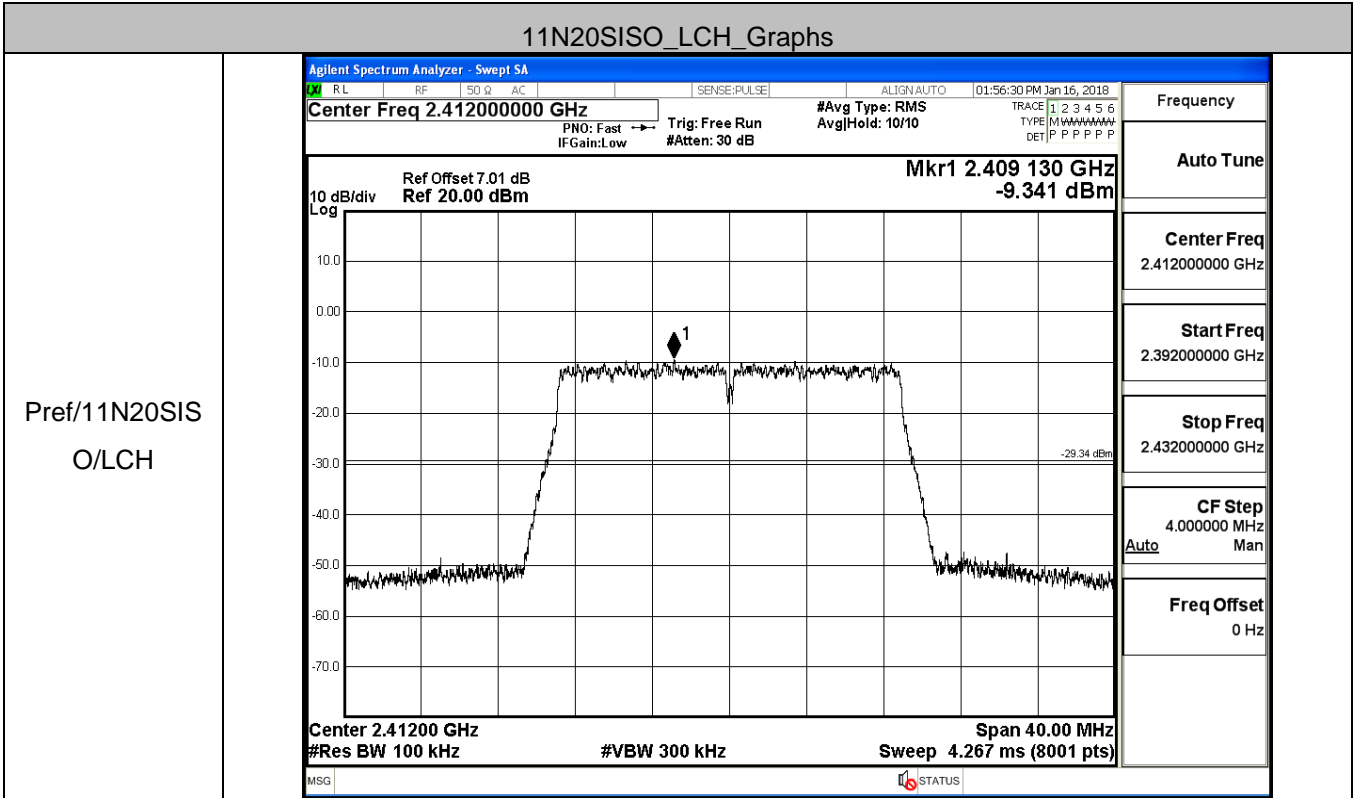
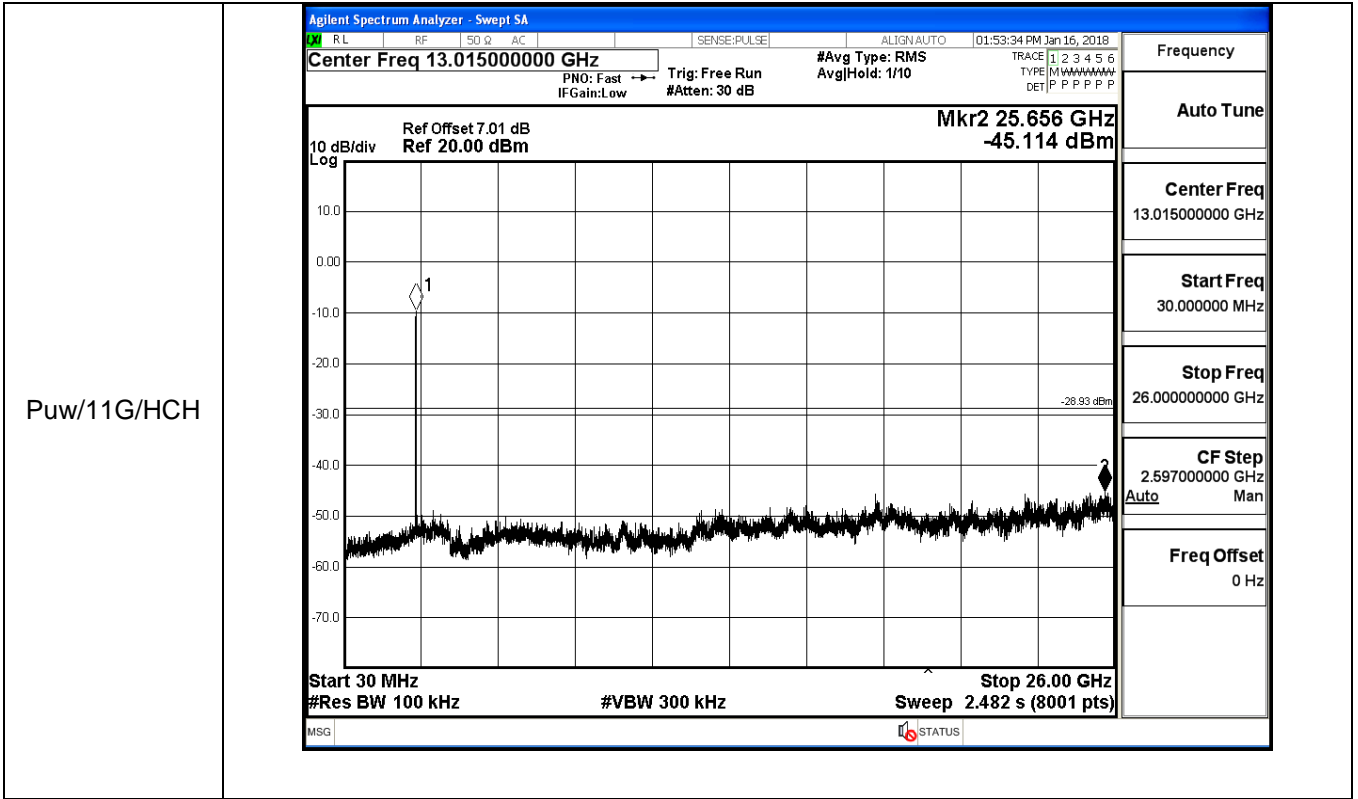


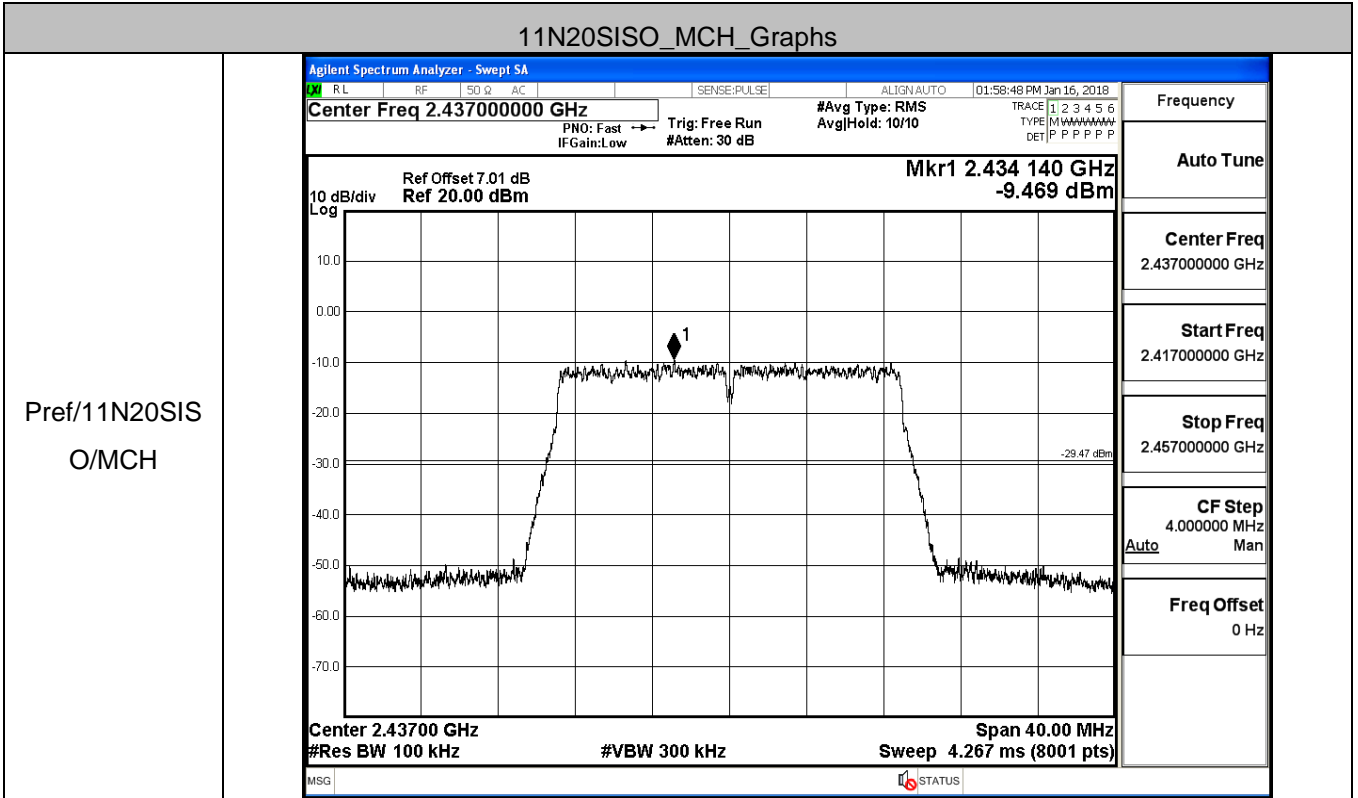
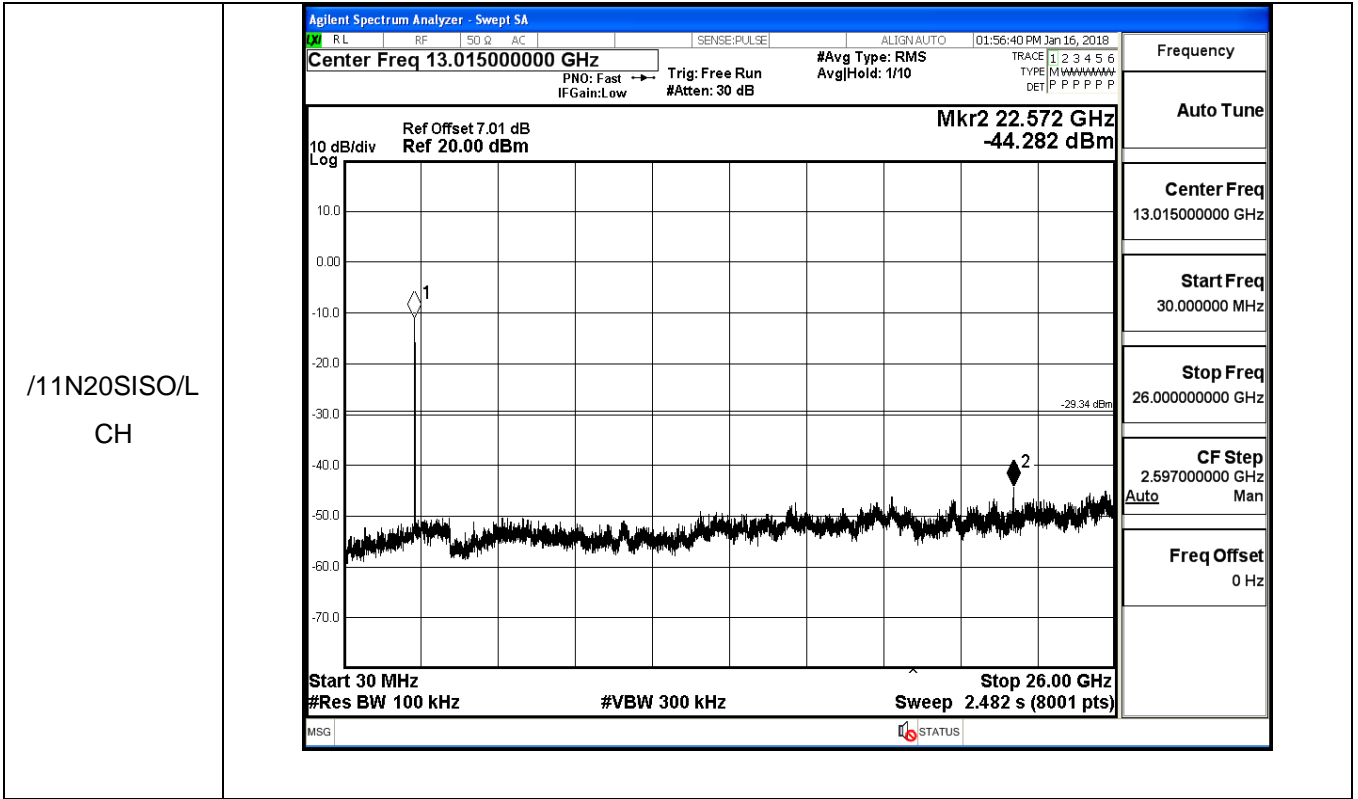


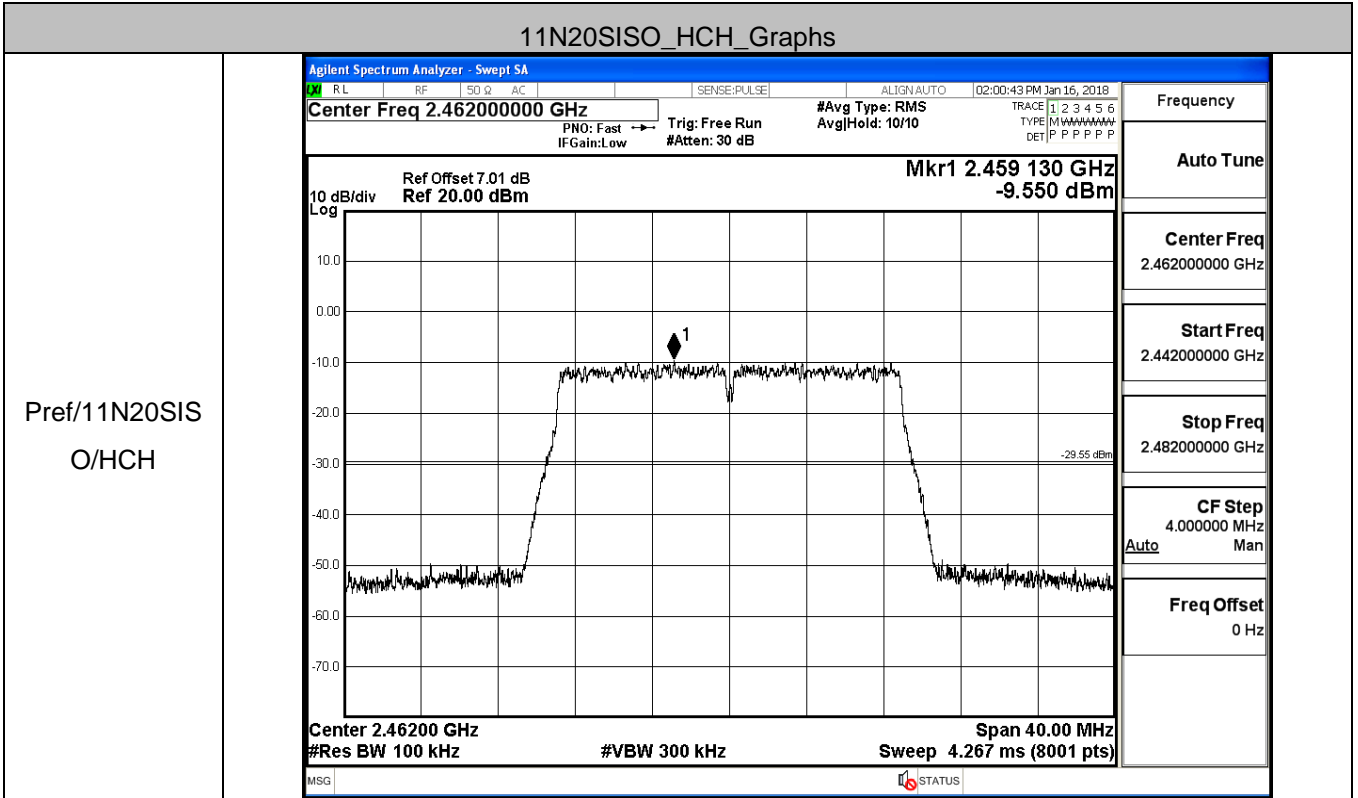
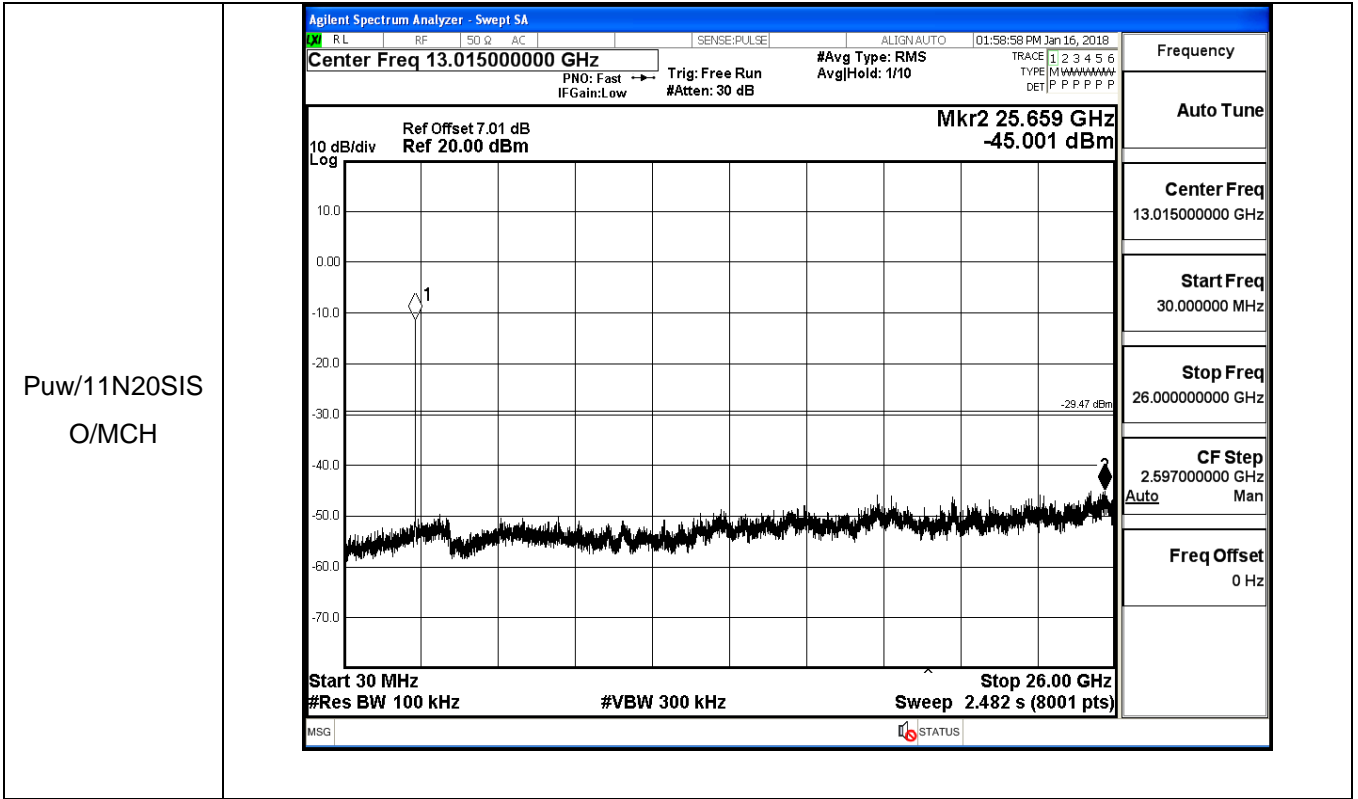


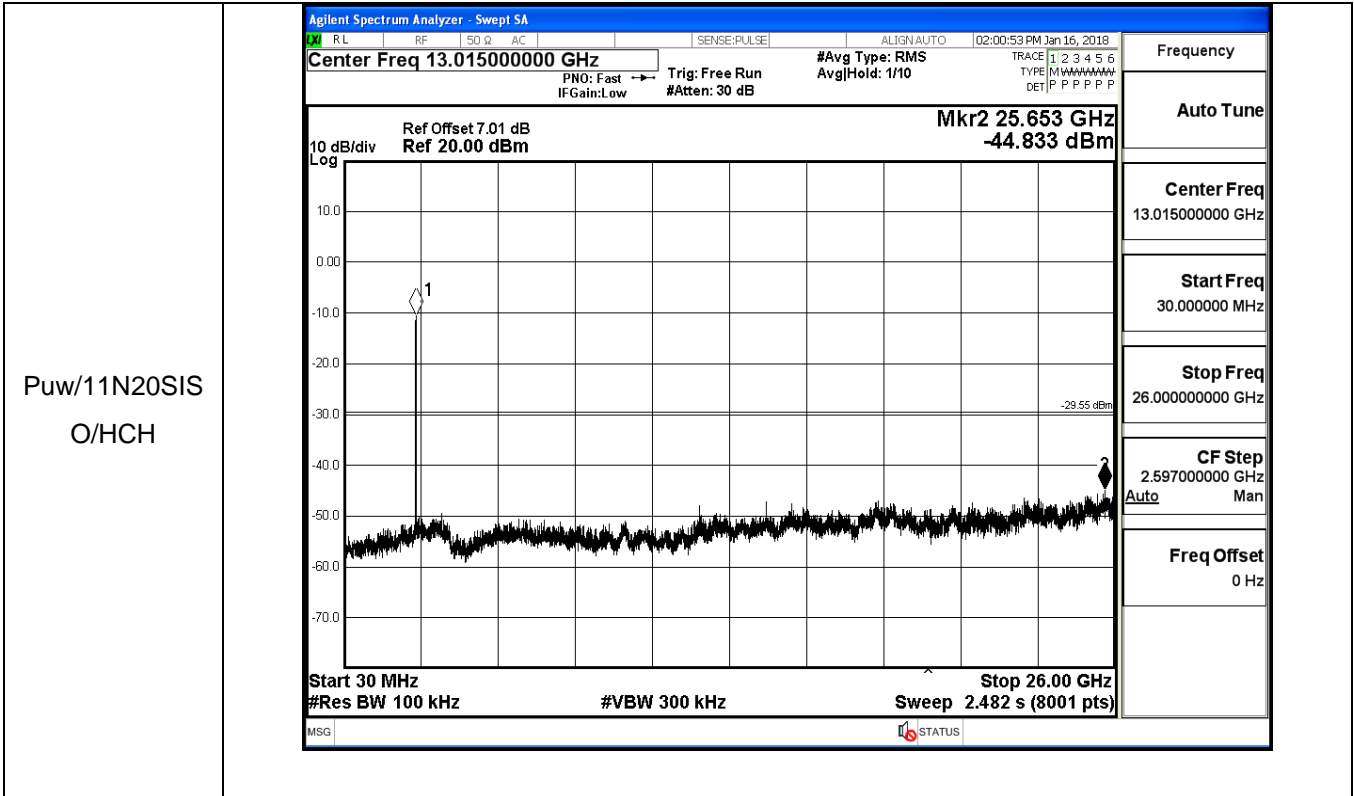


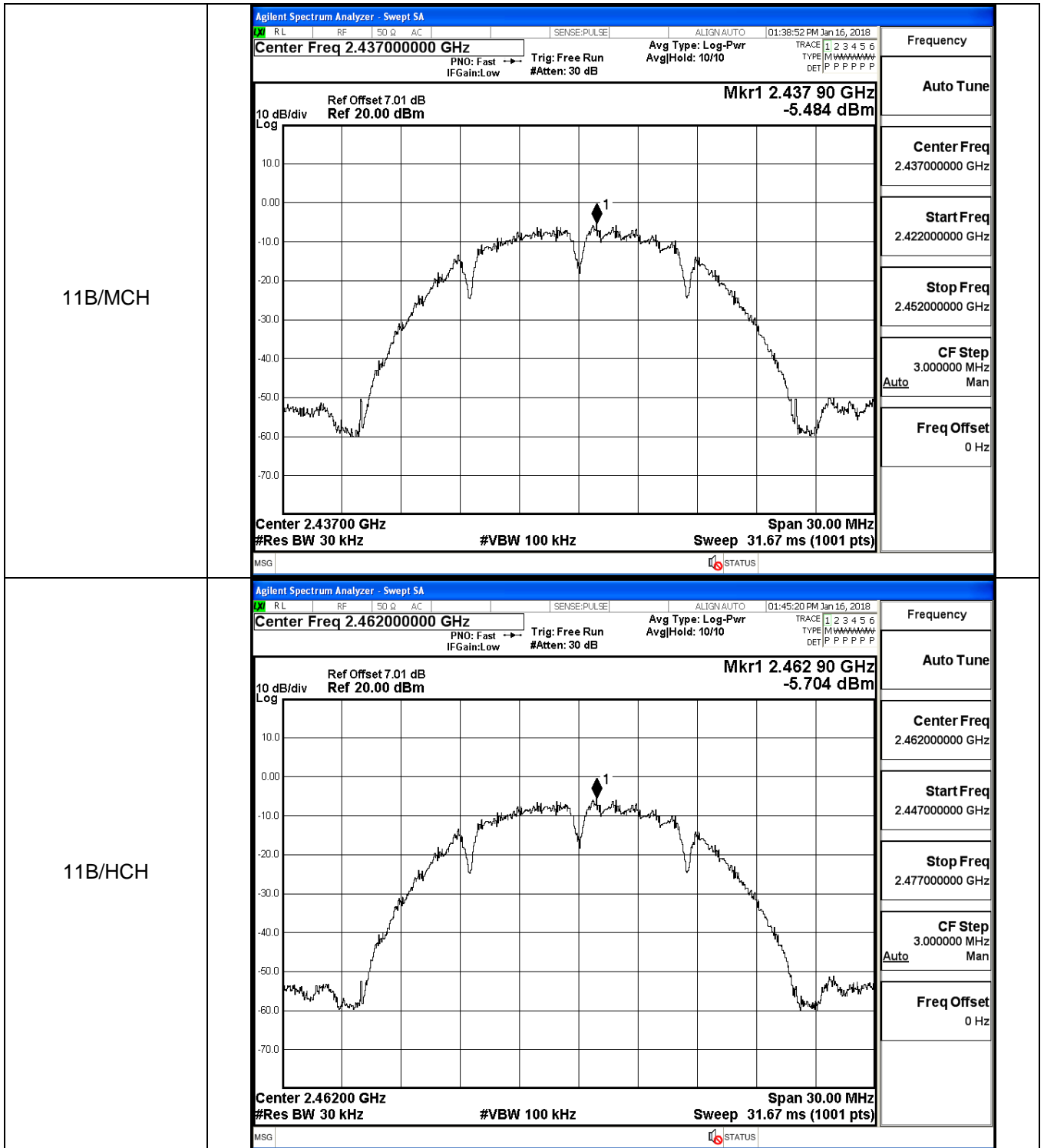


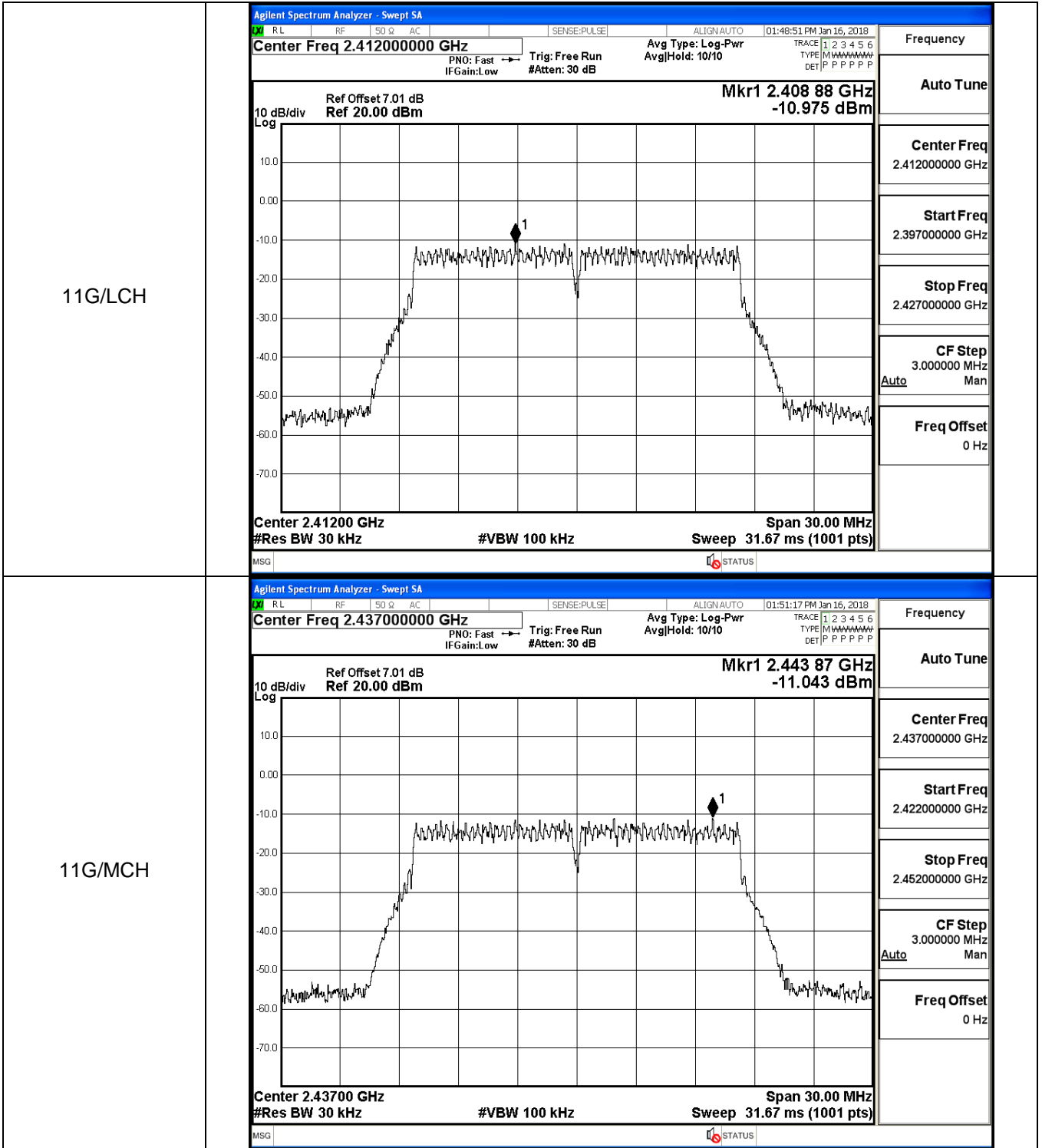


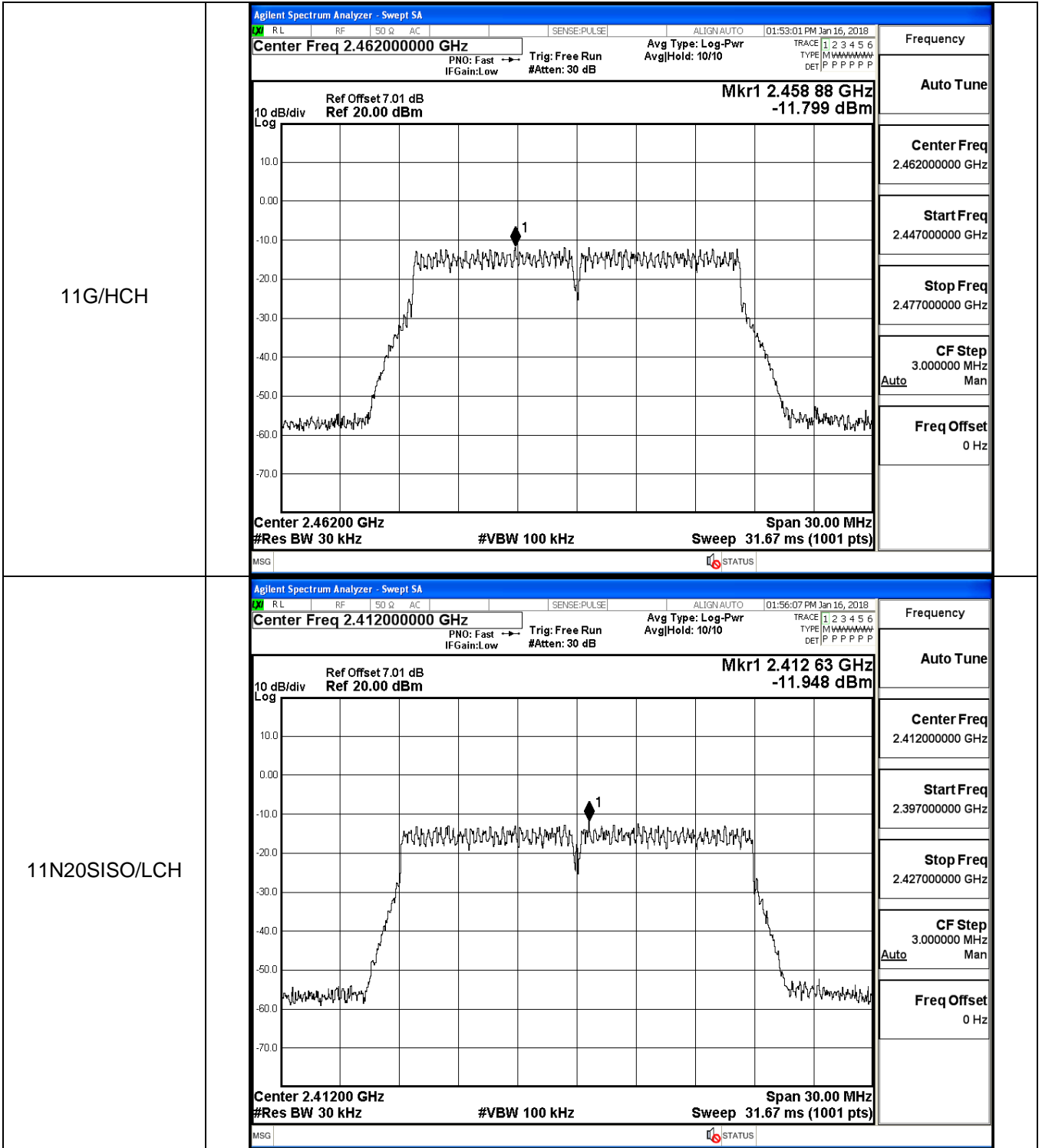


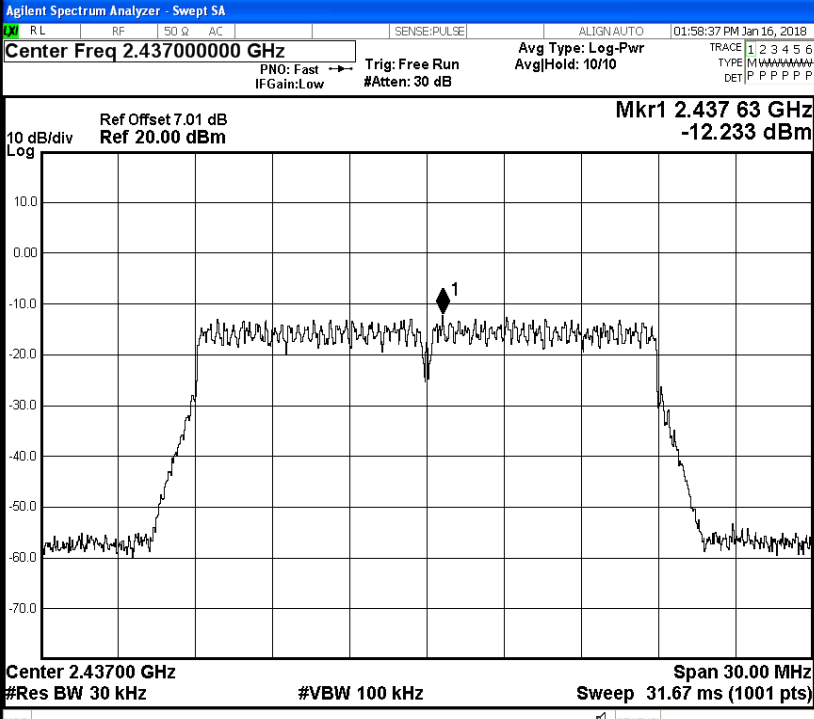
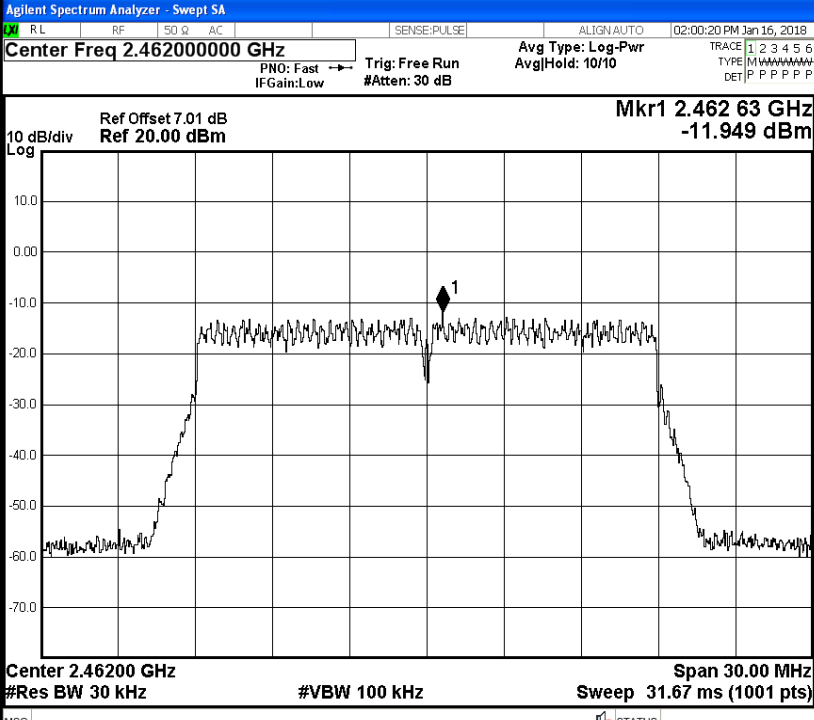








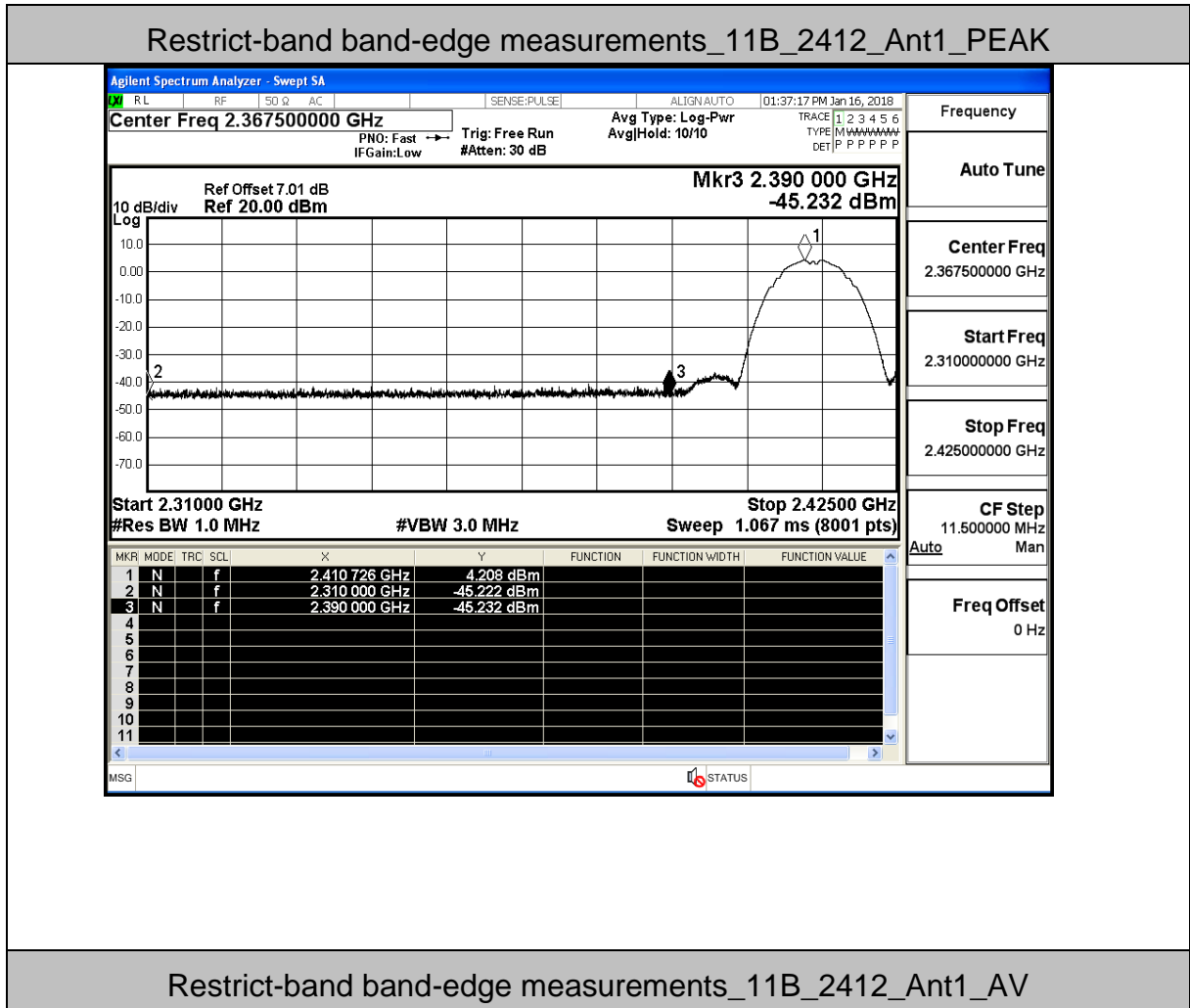


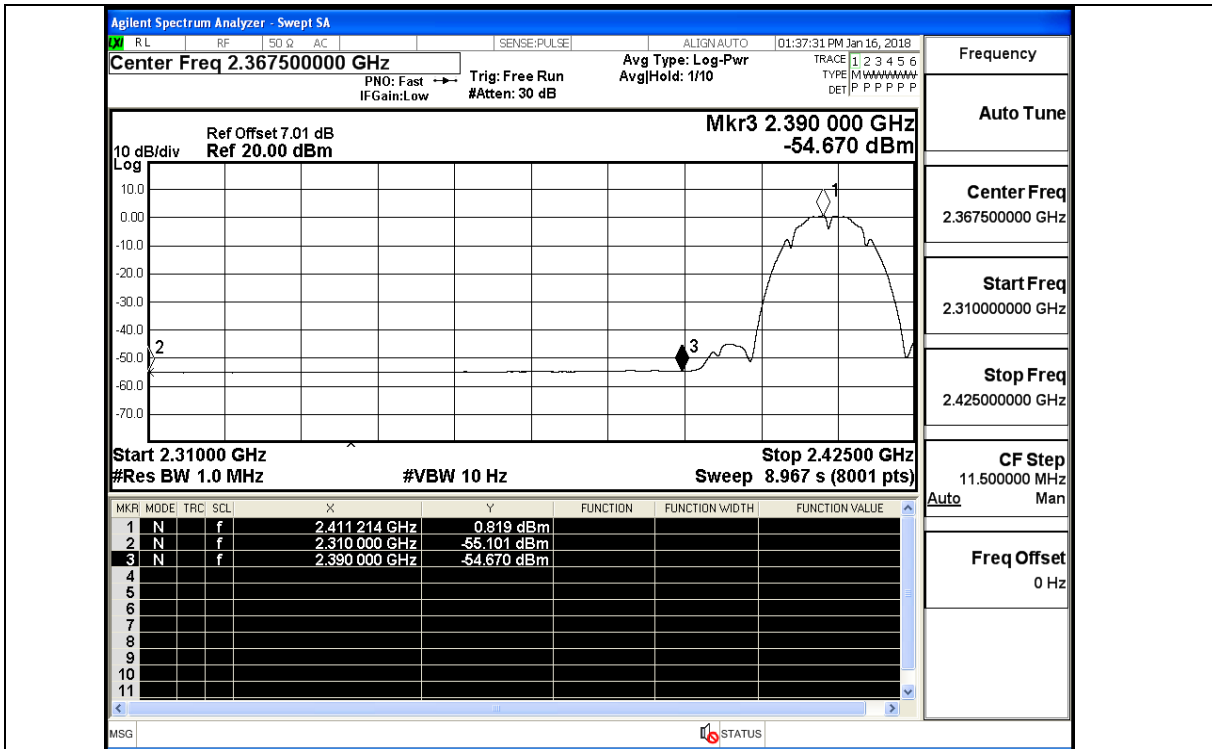
<p>11N20SISO/MCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.43700000 GHz</p> <p>Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr1 2.437 63 GHz -12.233 dBm</p> <p>10 dB/div Log</p> <p>Center 2.43700 GHz #Res BW 30 kHz</p> <p>#VBW 100 kHz</p> <p>Span 30.00 MHz Sweep 31.67 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.43700000 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>11N20SISO/HCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.46200000 GHz</p> <p>Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr1 2.462 63 GHz -11.949 dBm</p> <p>10 dB/div Log</p> <p>Center 2.46200 GHz #Res BW 30 kHz</p> <p>#VBW 100 kHz</p> <p>Span 30.00 MHz Sweep 31.67 ms (1001 pts)</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>

Appendix G):Restrict-band band-edge measurements**Result Table**

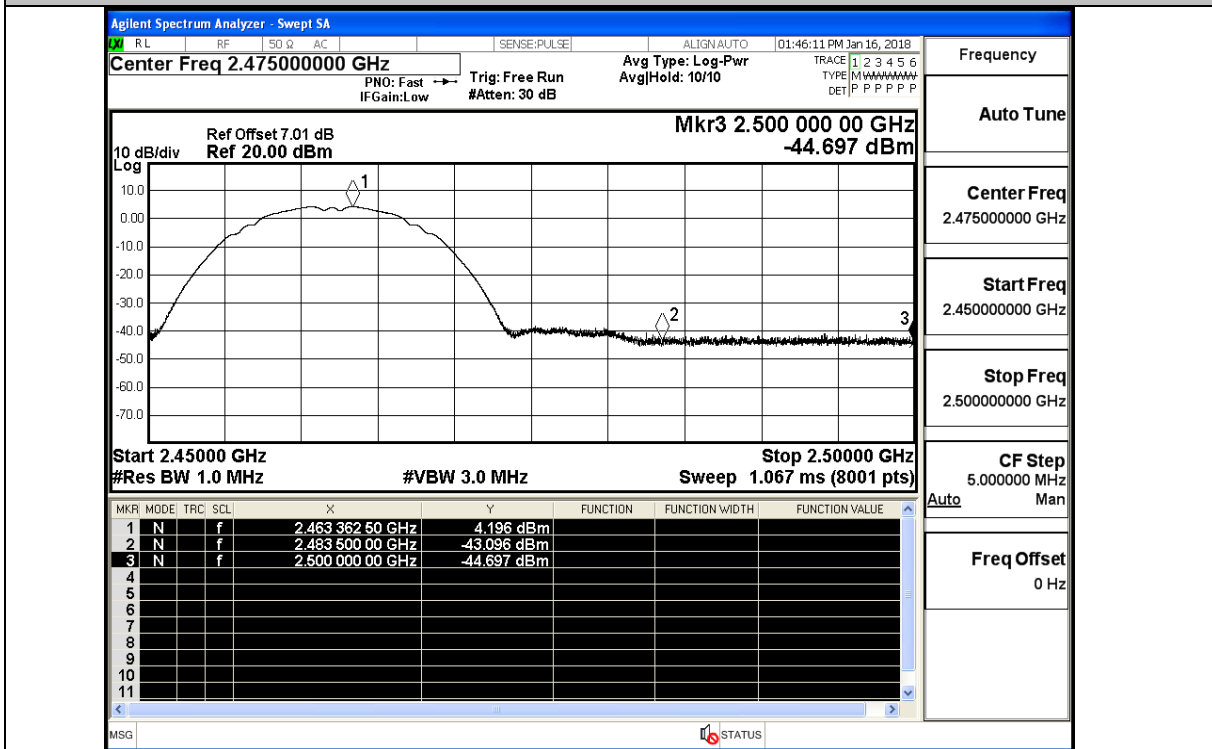
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-45.22	2	0	50.04	PEAK	74	PASS
11B	2412	Ant1	2310.0	-55.10	2	0	40.16	AV	54	PASS
11B	2412	Ant1	2390.0	-45.23	2	0	50.03	PEAK	74	PASS
11B	2412	Ant1	2390.0	-54.67	2	0	40.59	AV	54	PASS
11B	2462	Ant1	2483.5	-43.10	2	0	52.16	PEAK	74	PASS
11B	2462	Ant1	2483.5	-54.30	2	0	40.96	AV	54	PASS
11B	2462	Ant1	2500.0	-44.70	2	0	50.56	PEAK	74	PASS
11B	2462	Ant1	2500.0	-54.32	2	0	40.94	AV	54	PASS
11G	2412	Ant1	2310.0	-44.21	2	0	51.05	PEAK	74	PASS
11G	2412	Ant1	2310.0	-55.10	2	0	40.16	AV	54	PASS
11G	2412	Ant1	2390.0	-42.68	2	0	52.58	PEAK	74	PASS
11G	2412	Ant1	2390.0	-53.61	2	0	41.65	AV	54	PASS
11G	2462	Ant1	2483.5	-42.92	2	0	52.34	PEAK	74	PASS
11G	2462	Ant1	2483.5	-53.55	2	0	41.71	AV	54	PASS
11G	2462	Ant1	2500.0	-43.78	2	0	51.48	PEAK	74	PASS
11G	2462	Ant1	2500.0	-53.88	2	0	41.38	AV	54	PASS
11N20SISO	2412	Ant1	2310.0	-42.19	2	0	53.07	PEAK	74	PASS
11N20SISO	2412	Ant1	2310.0	-55.10	2	0	40.16	AV	54	PASS
11N20SISO	2412	Ant1	2390.0	-41.67	2	0	53.59	PEAK	74	PASS
11N20SISO	2412	Ant1	2390.0	-53.91	2	0	41.35	AV	54	PASS
11N20SISO	2462	Ant1	2483.5	-43.80	2	0	51.46	PEAK	74	PASS
11N20SISO	2462	Ant1	2483.5	-53.95	2	0	41.31	AV	54	PASS
11N20SISO	2462	Ant1	2500.0	-44.08	2	0	51.18	PEAK	74	PASS
11N20SISO	2462	Ant1	2500.0	-54.13	2	0	41.12	AV	54	PASS

Test Graph

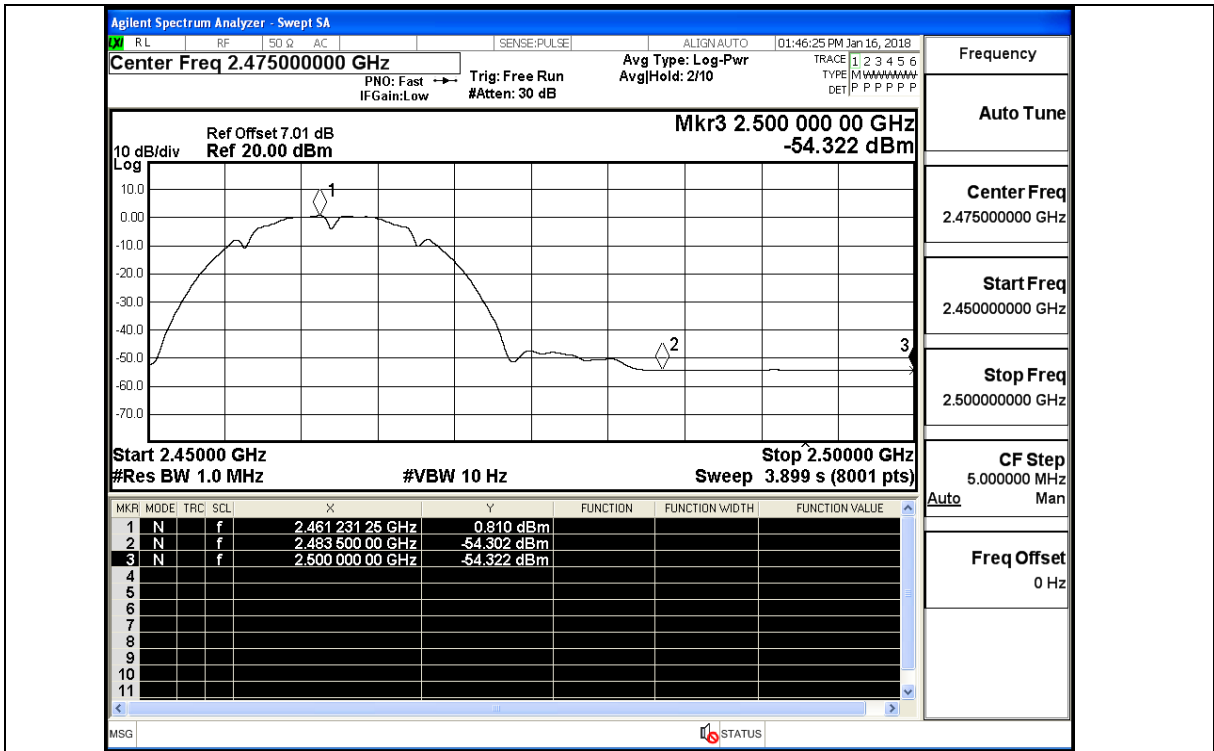




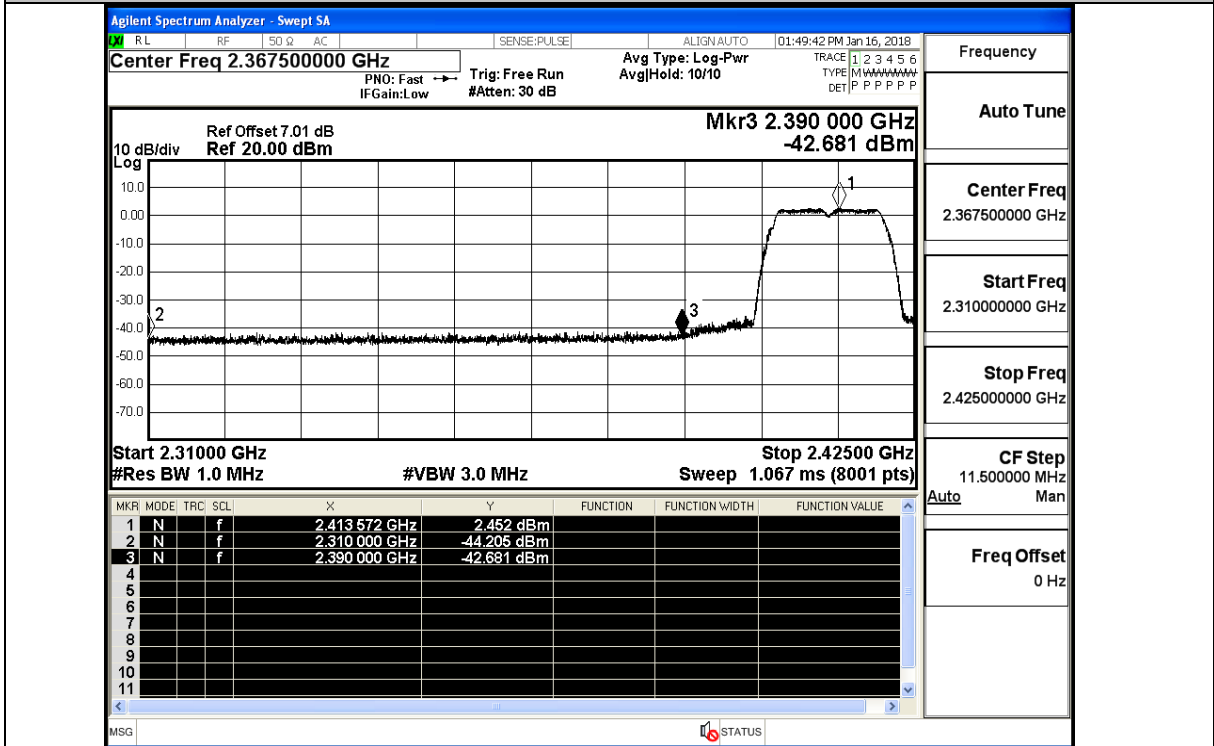
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



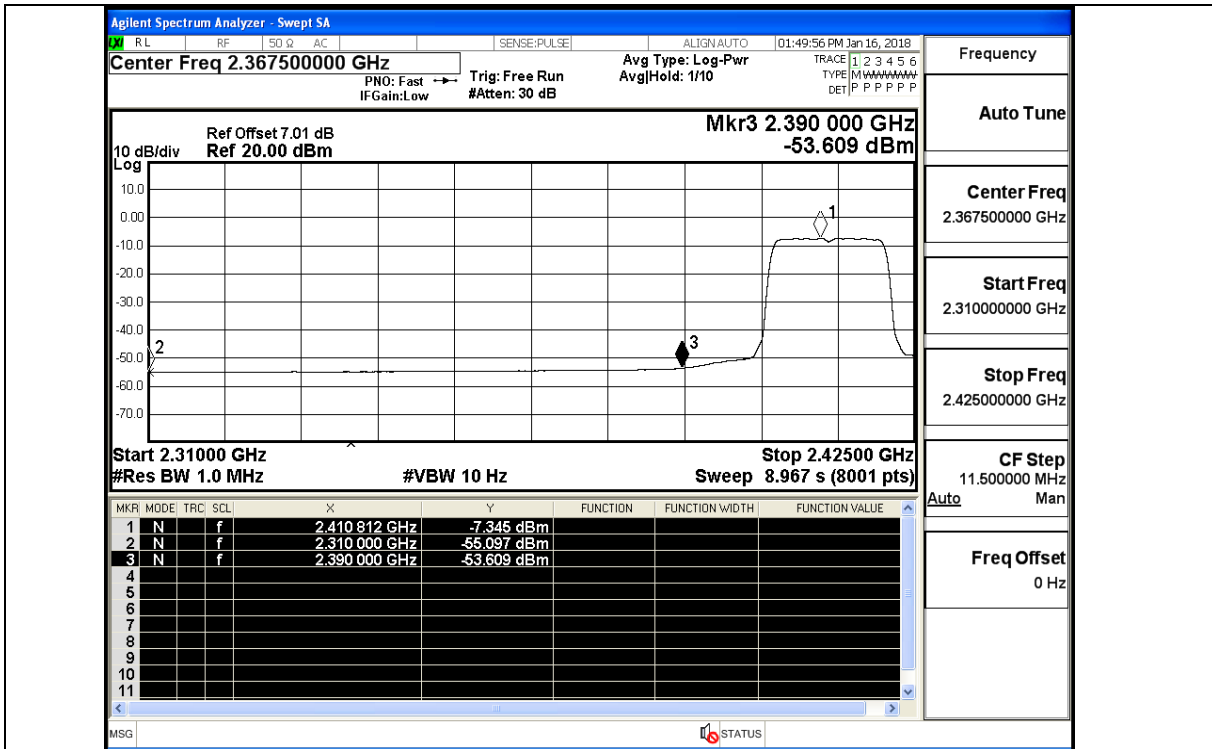
Restrict-band band-edge measurements_11B_2462_Ant1_AV



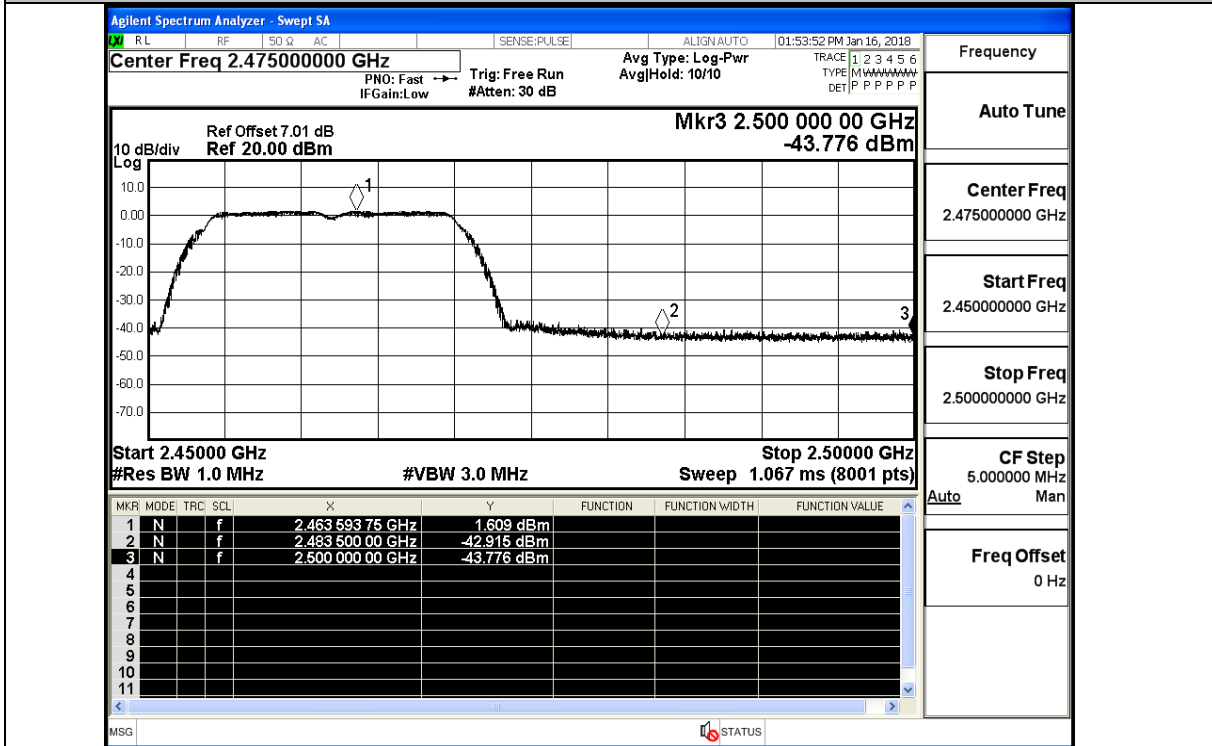
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



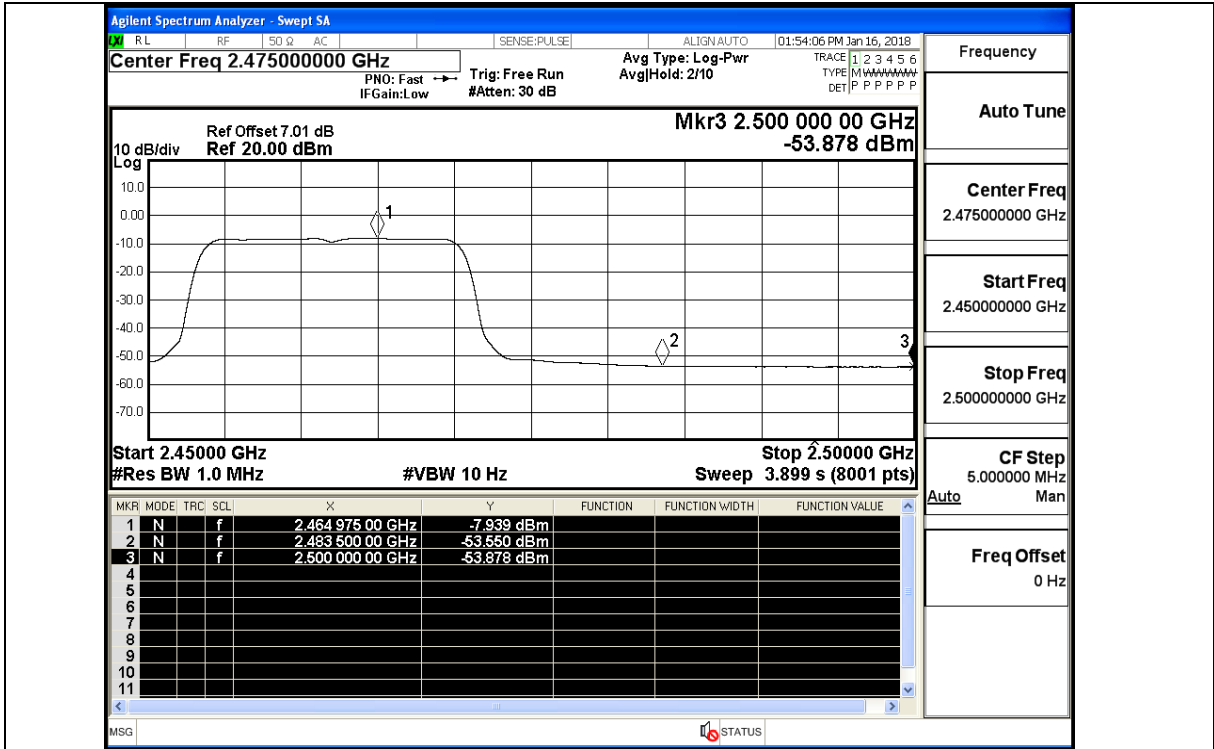
Restrict-band band-edge measurements_11G_2412_Ant1_AV



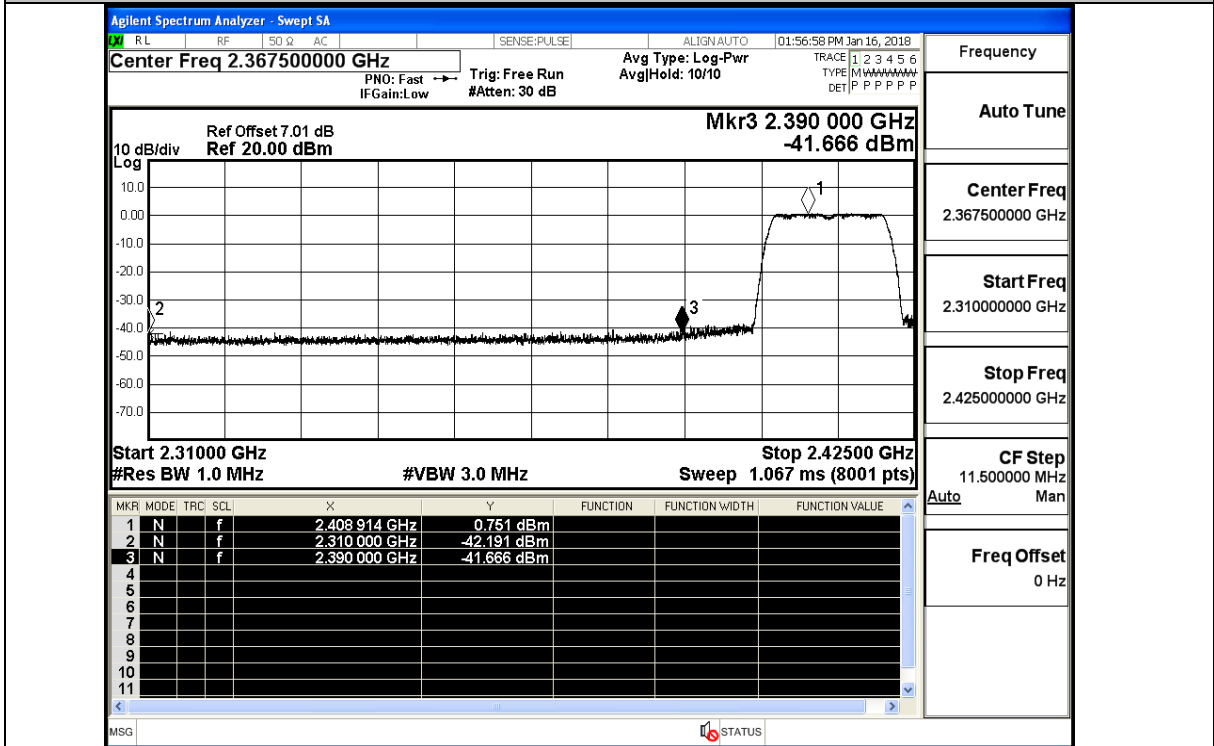
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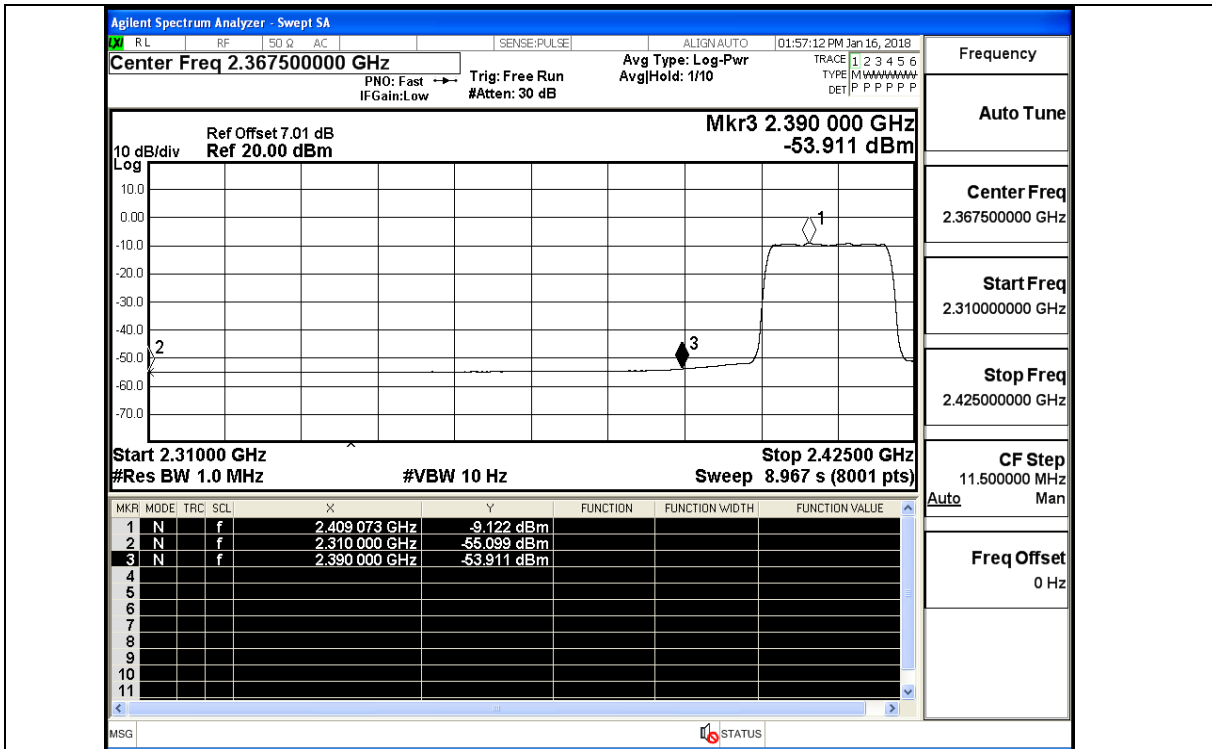
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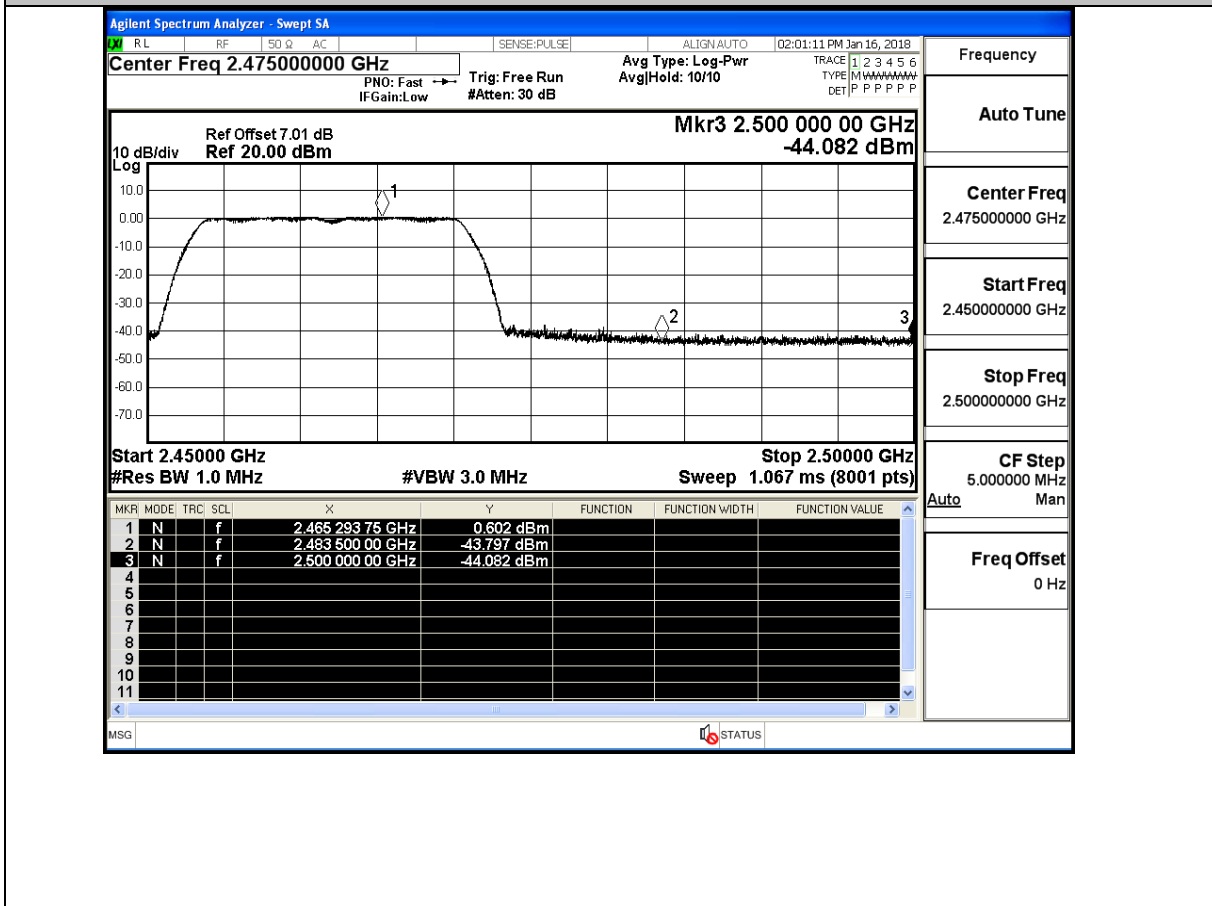
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



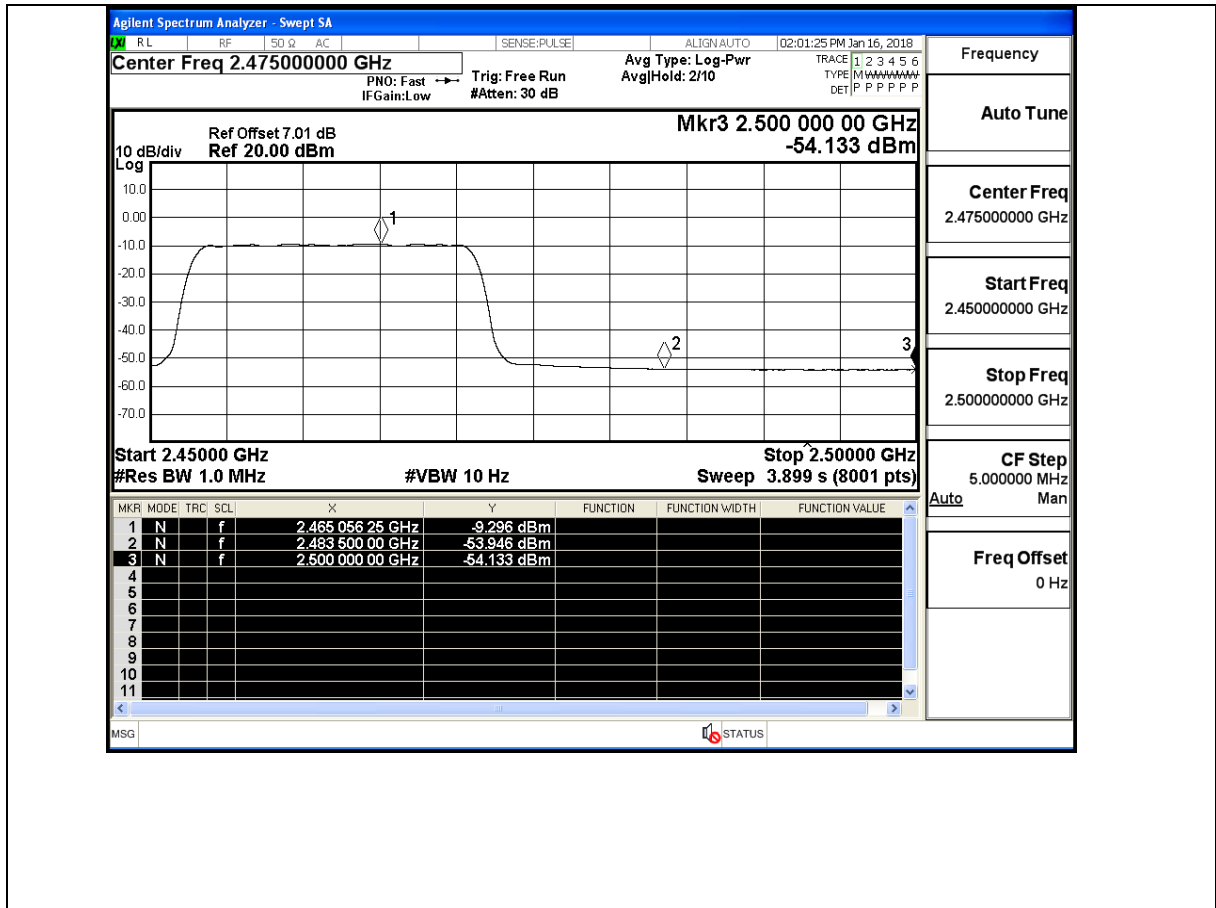
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK

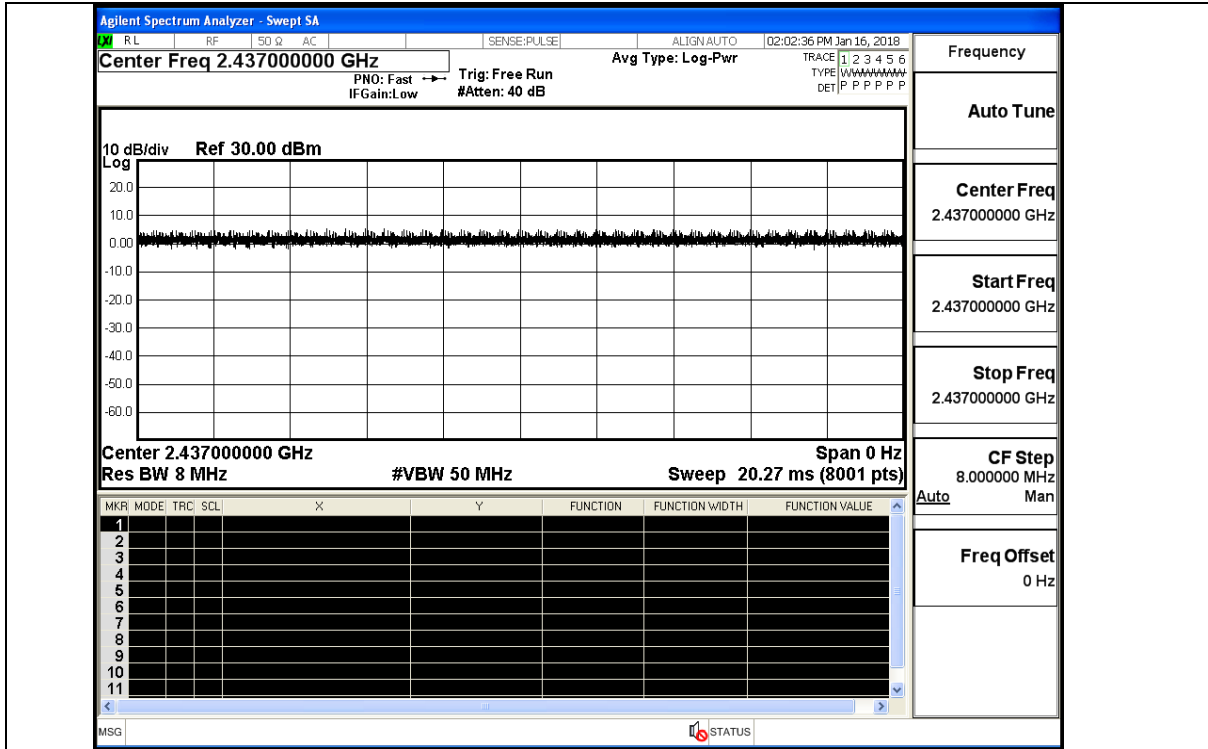


Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



**Appendix H):Duty Cycle
Result Table**

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



Duty Cycle_11N20SISO_2437_Ant1

