

**Appendix A**  
**RF Test Data for 2.4G WIFI (Conducted Measurement)**  
**Product Name: TV stick**  
**Trade Mark: N/A**  
**Test Model: X96S400**

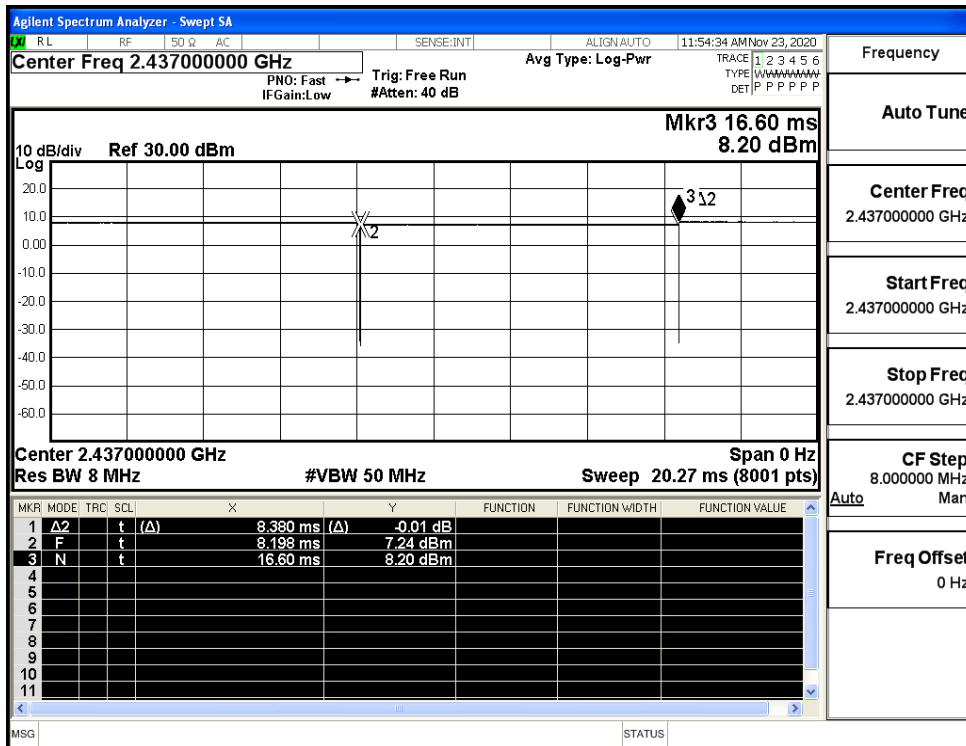
**Environmental Conditions**

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

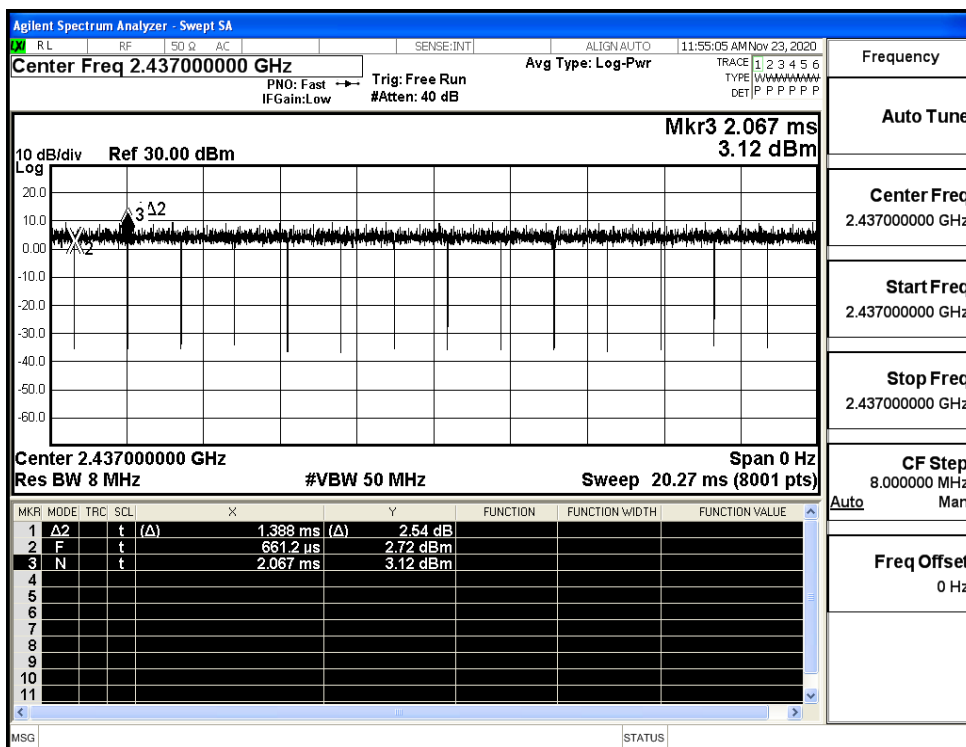
**A.1 Duty Cycle**

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor (dB)	1/B Minimum VBW(KHz)
11B	2437	Ant1	99.79	0.01	0.01
11G	2437	Ant1	98.74	0.06	0.01
11N20SISO	2437	Ant1	98.46	0.07	0.01
11N40SISO	2437	Ant1	97.68	0.10	0.01

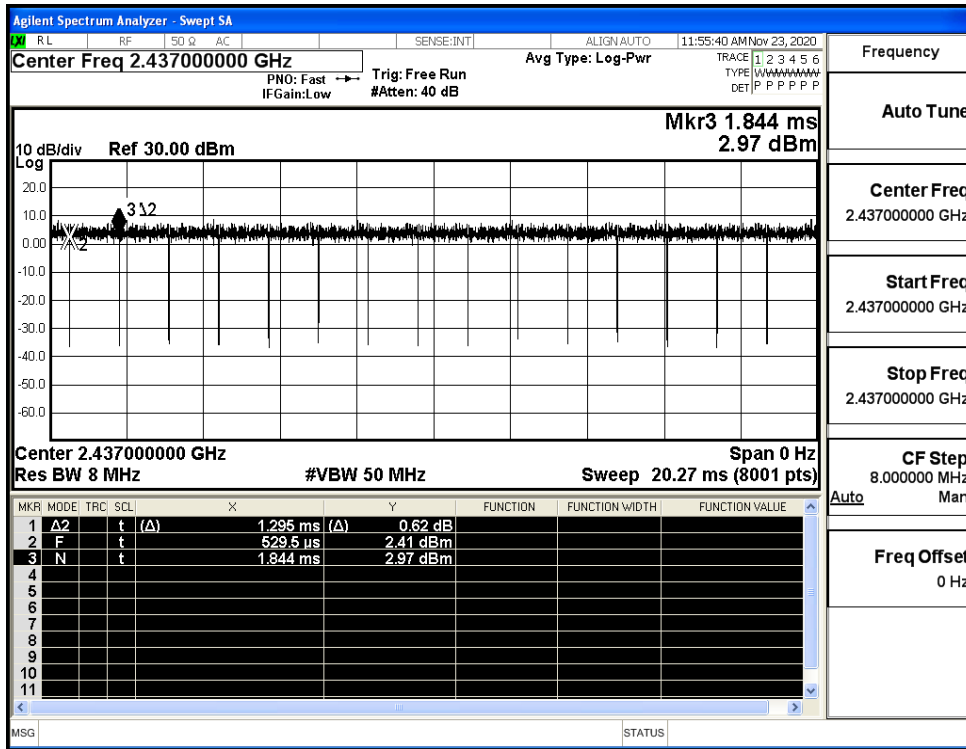
Duty Cycle\_11B\_2437\_Ant1



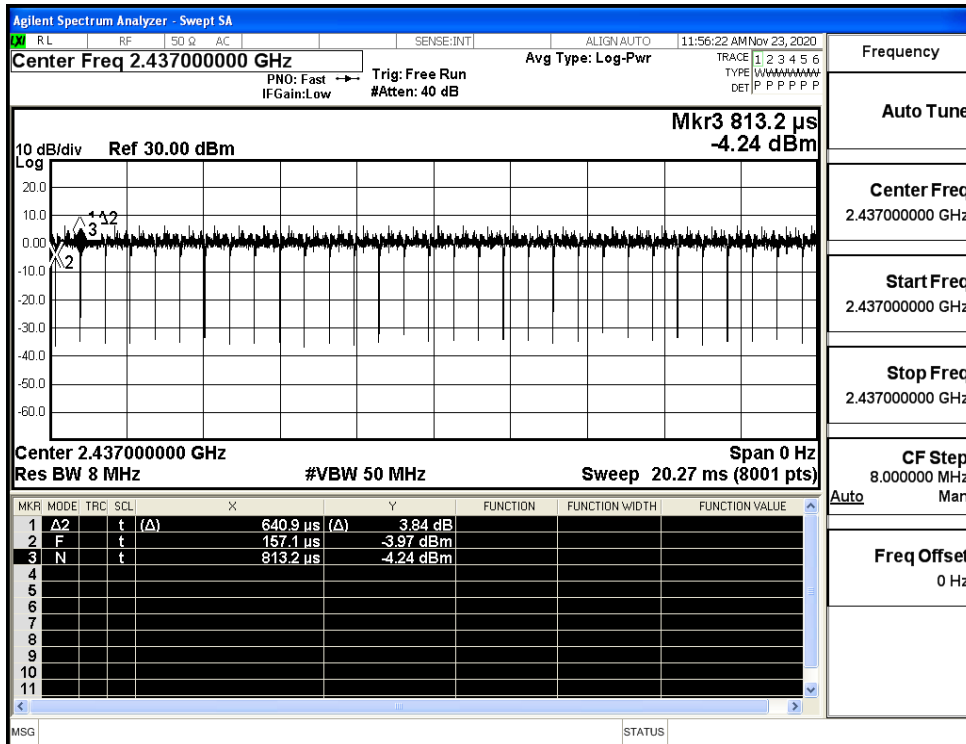
Duty Cycle\_11G\_2437\_Ant1



Duty Cycle\_11N20SISO\_2437\_Ant1



Duty Cycle\_11N40SISO\_2437\_Ant1

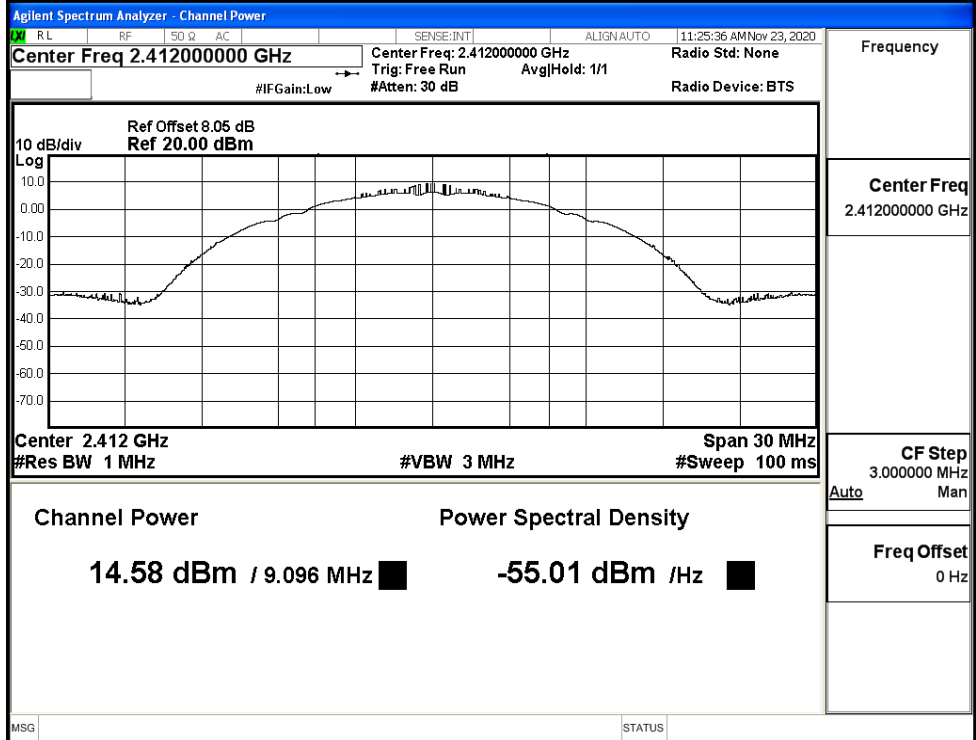


## A.2 Maximum Conducted Output Power

Mode	Channel	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit [dBm]	Verdict
11B	LCH	14.58	0	14.58	30	PASS
	MCH	15.15	0	15.15	30	PASS
	HCH	14.75	0	14.75	30	PASS
11G	LCH	15.06	0	15.06	30	PASS
	MCH	15.04	0	15.04	30	PASS
	HCH	14.46	0	14.46	30	PASS
11N20SISO	LCH	14.15	0	14.15	30	PASS
	MCH	14.56	0	14.56	30	PASS
	HCH	13.71	0	13.71	30	PASS
11N40SISO	LCH	15.31	0.10	15.41	30	PASS
	MCH	15.30	0.10	15.40	30	PASS
	HCH	14.98	0.10	15.08	30	PASS

Test Graphs

11B/LCH



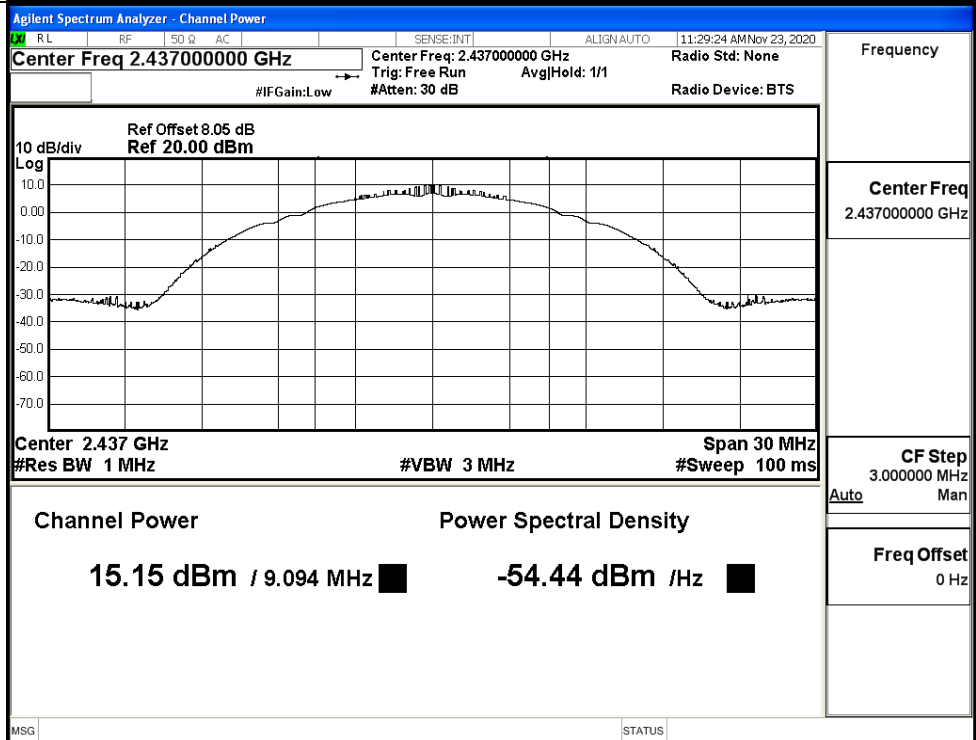
Frequency

Center Freq  
2.41200000 GHz

CF Step  
3.000000 MHz  
Auto Man

Freq Offset  
0 Hz

11B/MCH

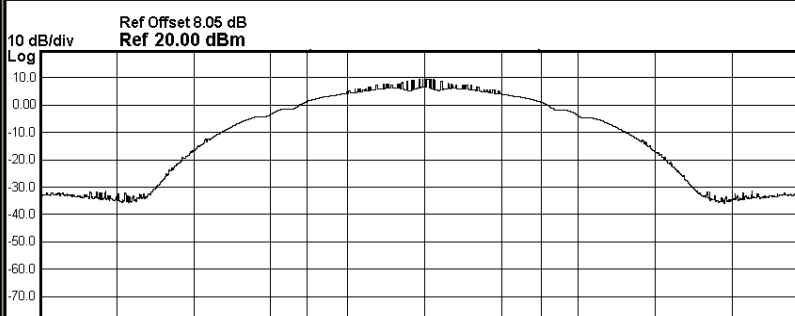
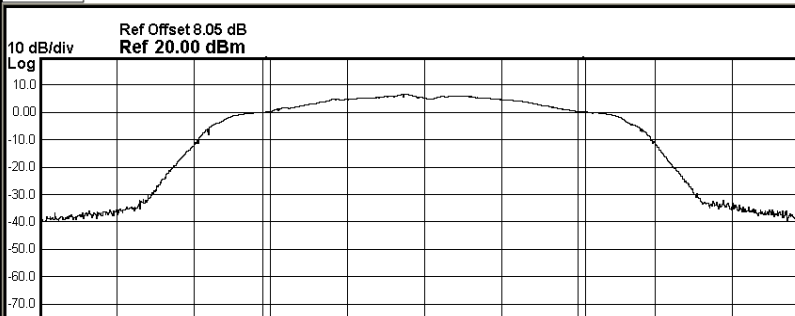


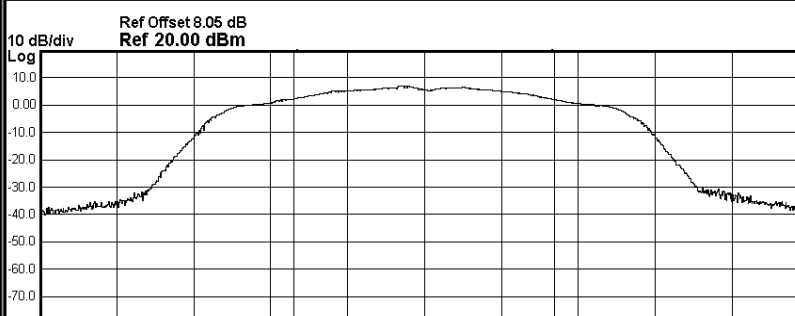
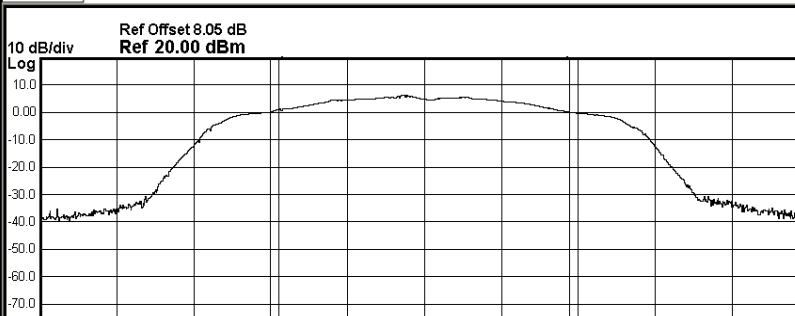
Frequency

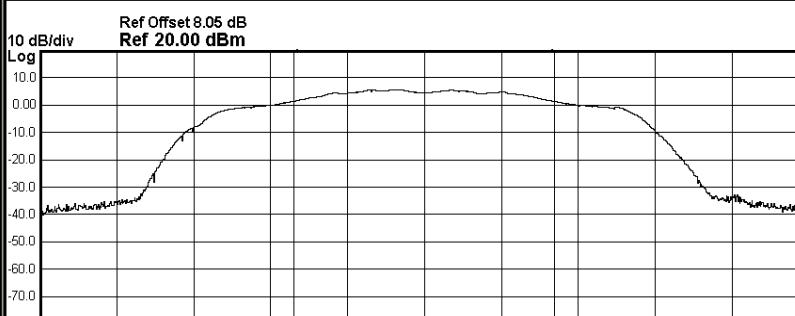
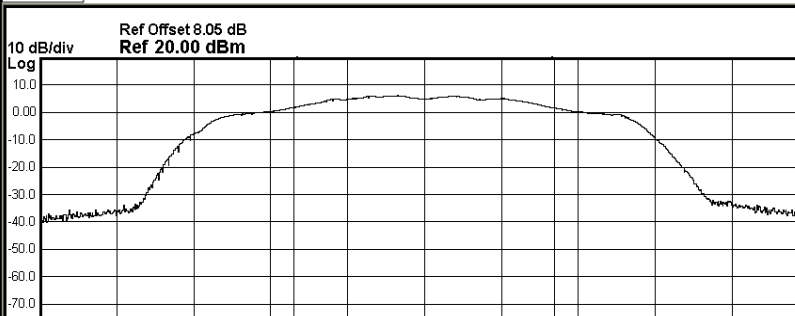
Center Freq  
2.43700000 GHz

CF Step  
3.000000 MHz  
Auto Man

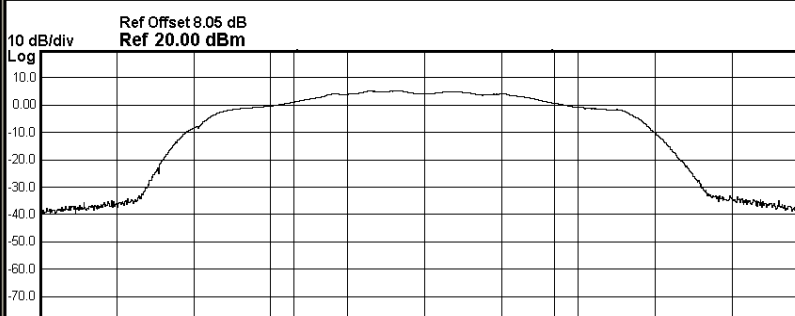
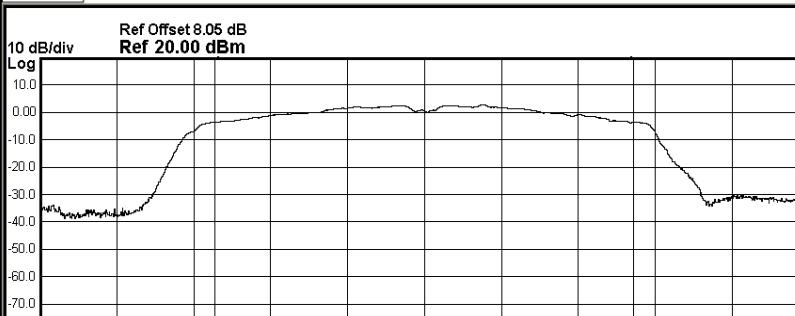
Freq Offset  
0 Hz

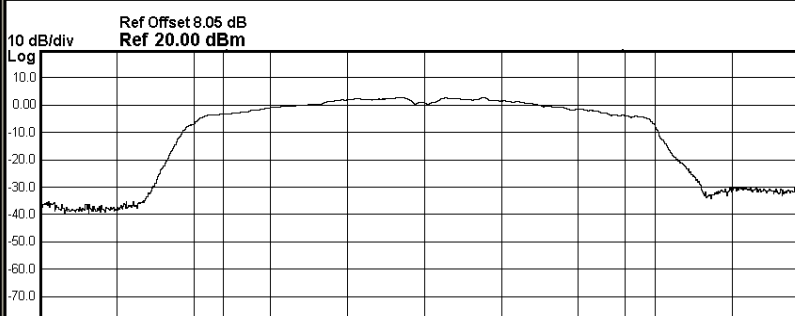
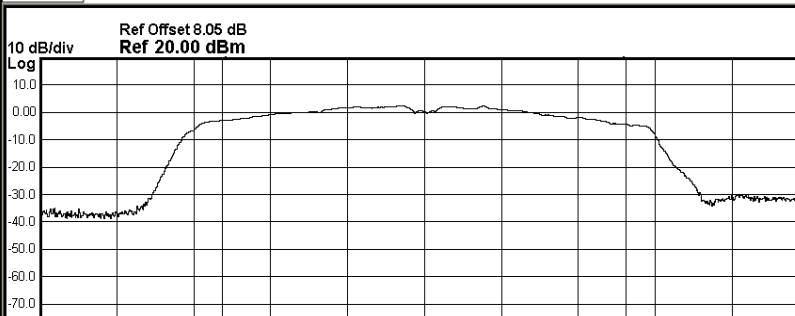
<p>11B/HCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>RL RF SO Q AC SENSE:INT ALIGN AUTO 11:31:26 AM Nov 23, 2020</p> <p><b>Center Freq 2.46200000 GHz</b> Center Freq: 2.46200000 GHz Radio Std: None          Trig: Free Run Avg Hold: 1/1          #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.462 GHz Span 30 MHz          #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p><b>14.75 dBm / 9.106 MHz</b> <b>-54.85 dBm /Hz</b></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>11G/LCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>RL RF SO Q AC SENSE:INT ALIGN AUTO 11:33:59 AM Nov 23, 2020</p> <p><b>Center Freq 2.41200000 GHz</b> Center Freq: 2.41200000 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 Ref 20.00 dBm</p> <p>Center 2.412 GHz Span 30 MHz          #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p><b>15.06 dBm / 12.57 MHz</b> <b>-55.93 dBm /Hz</b></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 - Channel Power</p> <p>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:36:25 AM Nov 23, 2020</p> <p>Center Freq <b>2.437000000 GHz</b> Center Freq: 2.437000000 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 Ref 20.00 dBm</p> <p>Center <b>2.437 GHz</b> Span <b>30 MHz</b>          #Res BW <b>1 MHz</b> #VBW <b>3 MHz</b> #Sweep <b>100 ms</b></p> <p>Channel Power <b>15.04 dBm / 10.09 MHz</b> Power Spectral Density <b>-55.00 dBm /Hz</b></p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.437000000 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 - Channel Power</p> <p>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:38:08 AM Nov 23, 2020</p> <p>Center Freq <b>2.462000000 GHz</b> Center Freq: 2.462000000 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 Ref 20.00 dBm</p> <p>Center <b>2.462 GHz</b> Span <b>30 MHz</b>          #Res BW <b>1 MHz</b> #VBW <b>3 MHz</b> #Sweep <b>100 ms</b></p> <p>Channel Power <b>14.46 dBm / 11.3 MHz</b> Power Spectral Density <b>-56.07 dBm /Hz</b></p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.462000000 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 - Channel Power</p> <p>RL RF SO Q AC SENSE:INT ALIGN AUTO 11:40:51 AM Nov 23, 2020</p> <p><b>Center Freq 2.41200000 GHz</b> Center Freq: 2.41200000 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 Ref 20.00 dBm</p> <p>Center 2.412 GHz Span 30 MHz          #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p><b>14.15 dBm / 10.09 MHz</b> <b>-55.89 dBm /Hz</b></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>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>RL RF SO Q AC SENSE:INT ALIGN AUTO 11:43:26 AM Nov 23, 2020</p> <p><b>Center Freq 2.43700000 GHz</b> 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 Ref 20.00 dBm</p> <p>Center 2.437 GHz Span 30 MHz          #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p><b>14.56 dBm / 10.11 MHz</b> <b>-55.48 dBm /Hz</b></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>

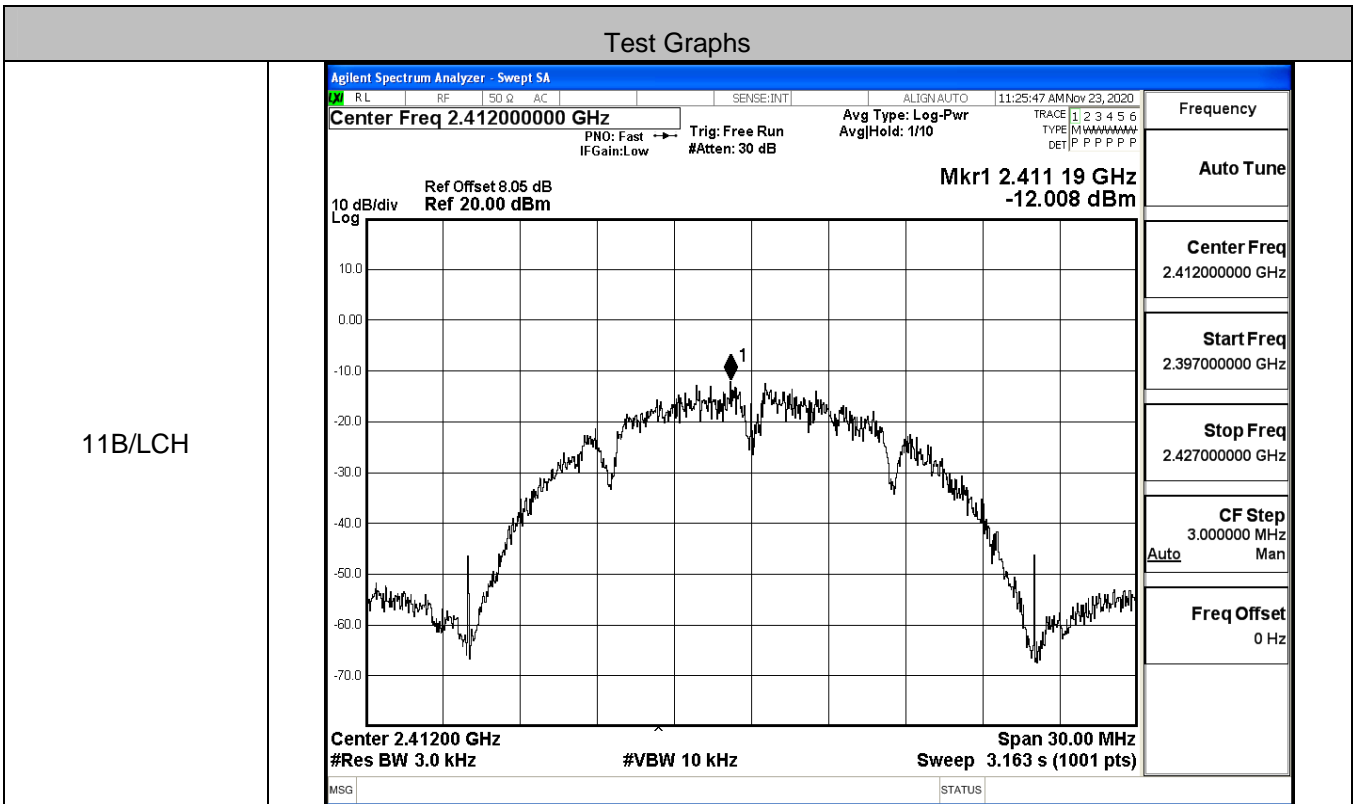


<p>11N20SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:45:29 AM Nov 23, 2020</p> <p><b>Center Freq 2.46200000 GHz</b> Center Freq: 2.462000000 GHz Radio Std: None          Trig: Free Run Avg Hold: 1/1          #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.462 GHz Span 30 MHz          #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p><b>13.71 dBm / 10.09 MHz</b> <b>-56.33 dBm /Hz</b></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 - Channel Power</p> <p>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:48:06 AM Nov 23, 2020</p> <p><b>Center Freq 2.42200000 GHz</b> Center Freq: 2.422000000 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 Ref 20.00 dBm</p> <p>Center 2.422 GHz Span 60 MHz          #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p><b>15.31 dBm / 32.56 MHz</b> <b>-59.81 dBm /Hz</b></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>

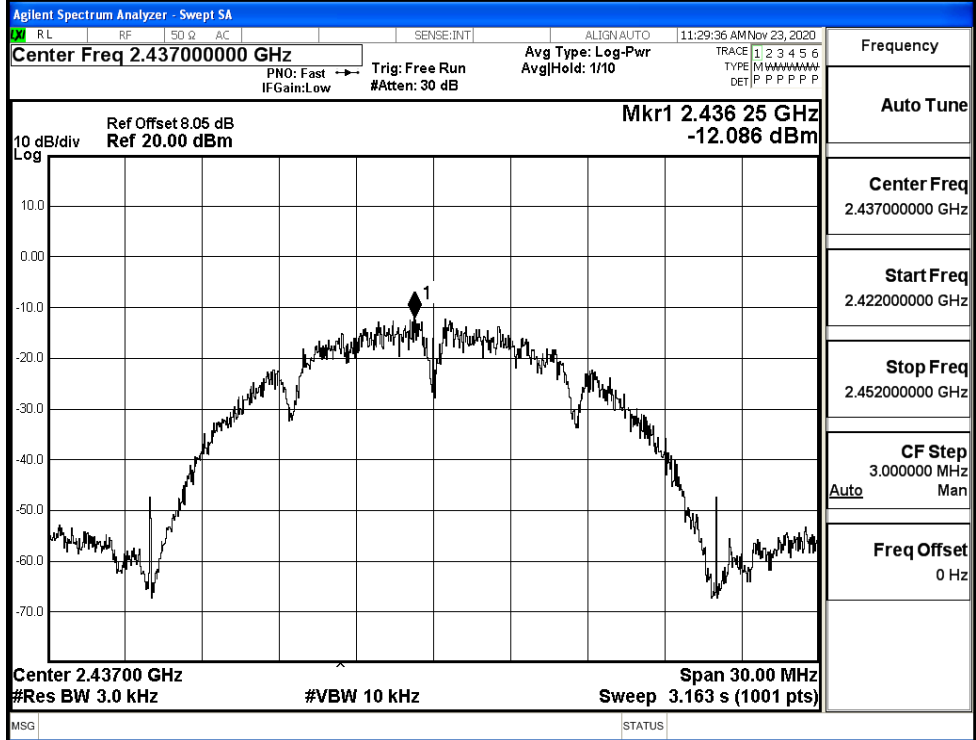
<p>11N40SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:50:56 AM Nov 23, 2020</p> <p>Center Freq <b>2.437000000 GHz</b> Center Freq: 2.437000000 GHz Radio Std: None          Trig: Free Run Avg Hold: 1/1          #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center <b>2.437 GHz</b> Span <b>60 MHz</b>          #Res BW <b>1 MHz</b> #VBW <b>3 MHz</b> #Sweep <b>100 ms</b></p> <p>Channel Power <b>15.30 dBm / 31.27 MHz</b> Power Spectral Density <b>-59.65 dBm /Hz</b></p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.437000000 GHz</p> <p>CF Step 6.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N40SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:52:38 AM Nov 23, 2020</p> <p>Center Freq <b>2.452000000 GHz</b> Center Freq: 2.452000000 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 Ref 20.00 dBm</p> <p>Center <b>2.452 GHz</b> Span <b>60 MHz</b>          #Res BW <b>1 MHz</b> #VBW <b>3 MHz</b> #Sweep <b>100 ms</b></p> <p>Channel Power <b>14.98 dBm / 31.34 MHz</b> Power Spectral Density <b>-59.98 dBm /Hz</b></p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.452000000 GHz</p> <p>CF Step 6.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>

### A.3 Maximum Power Spectral Density

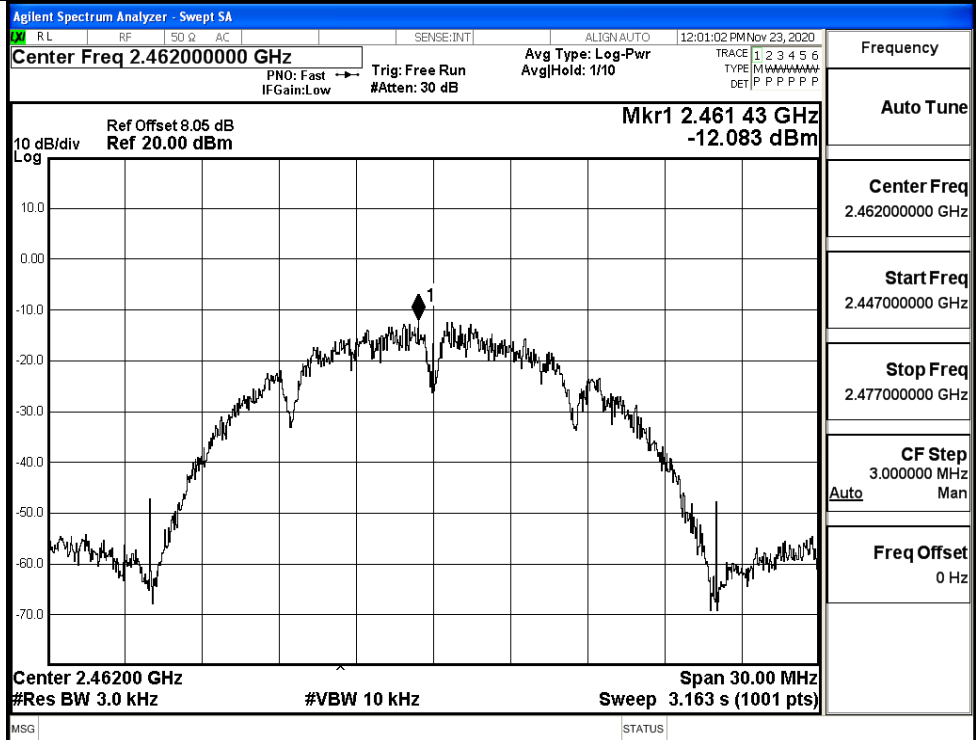
Mode	Channel	Report Power Density [dBm/3KHz]	Factor(dB)	Report Power Density [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-12.00	0	-12.00	8	PASS
	MCH	-12.08	0	-12.08	8	PASS
	HCH	-12.07	0	-12.07	8	PASS
11G	LCH	-17.35	0	-17.35	8	PASS
	MCH	-16.86	0	-16.86	8	PASS
	HCH	-18.15	0	-18.15	8	PASS
11N20SIS O	LCH	-17.74	0	-17.74	8	PASS
	MCH	-15.71	0	-15.71	8	PASS
	HCH	-17.10	0	-17.10	8	PASS
11N40SIS O	LCH	-19.23	0.10	-19.13	8	PASS
	MCH	-18.40	0.10	-18.30	8	PASS
	HCH	-18.68	0.10	-18.58	8	PASS



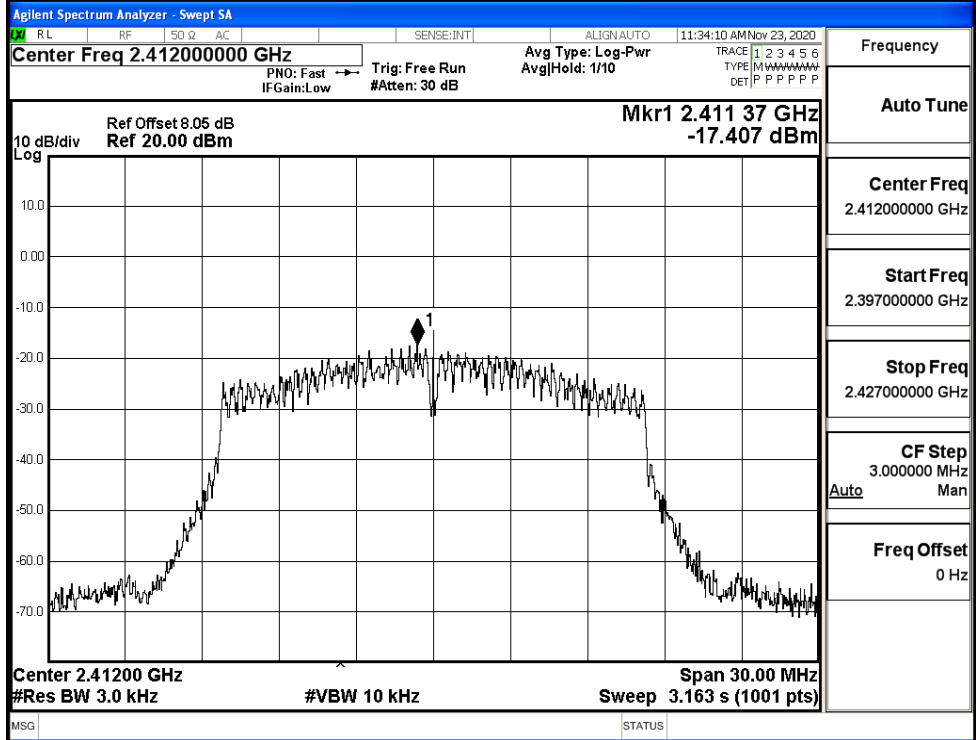
11B/MCH



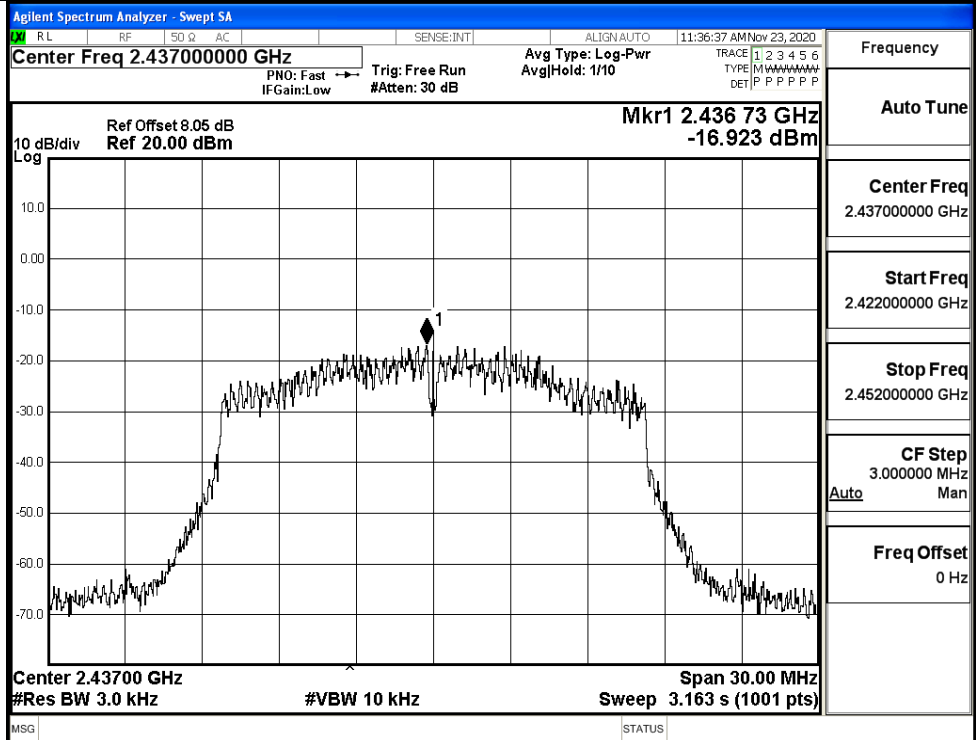
11B/HCH



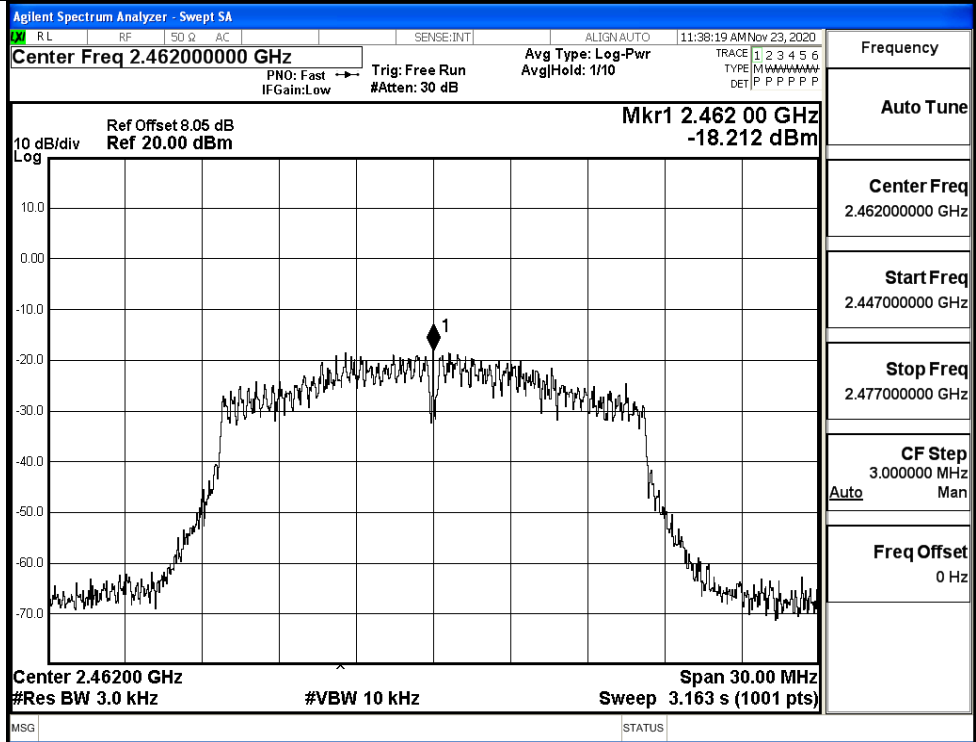
11G/LCH



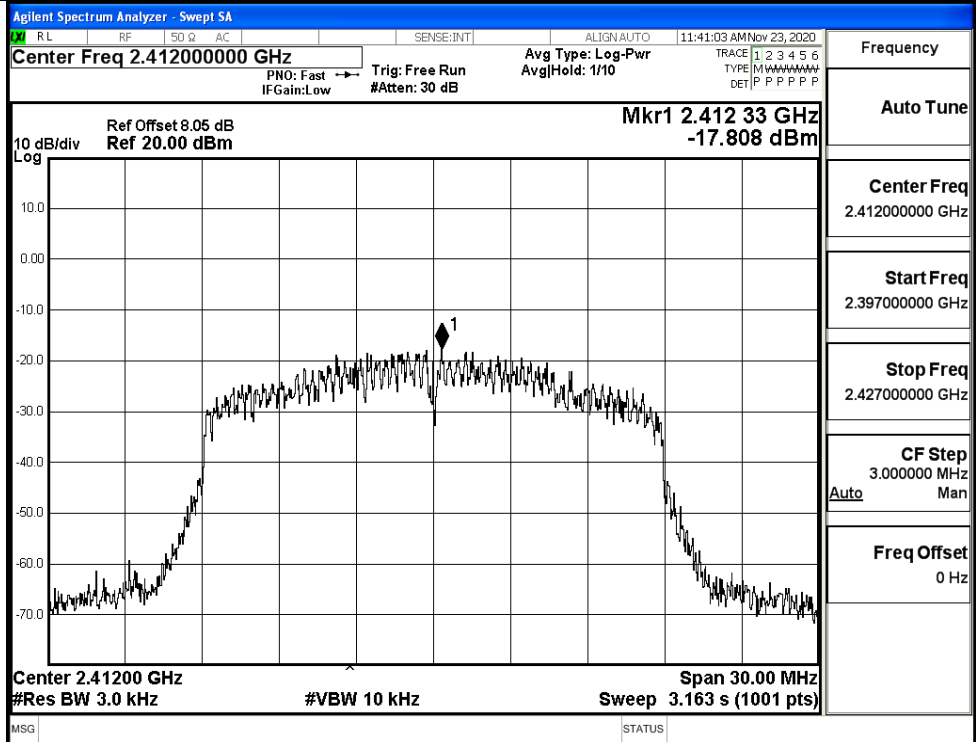
11G/MCH



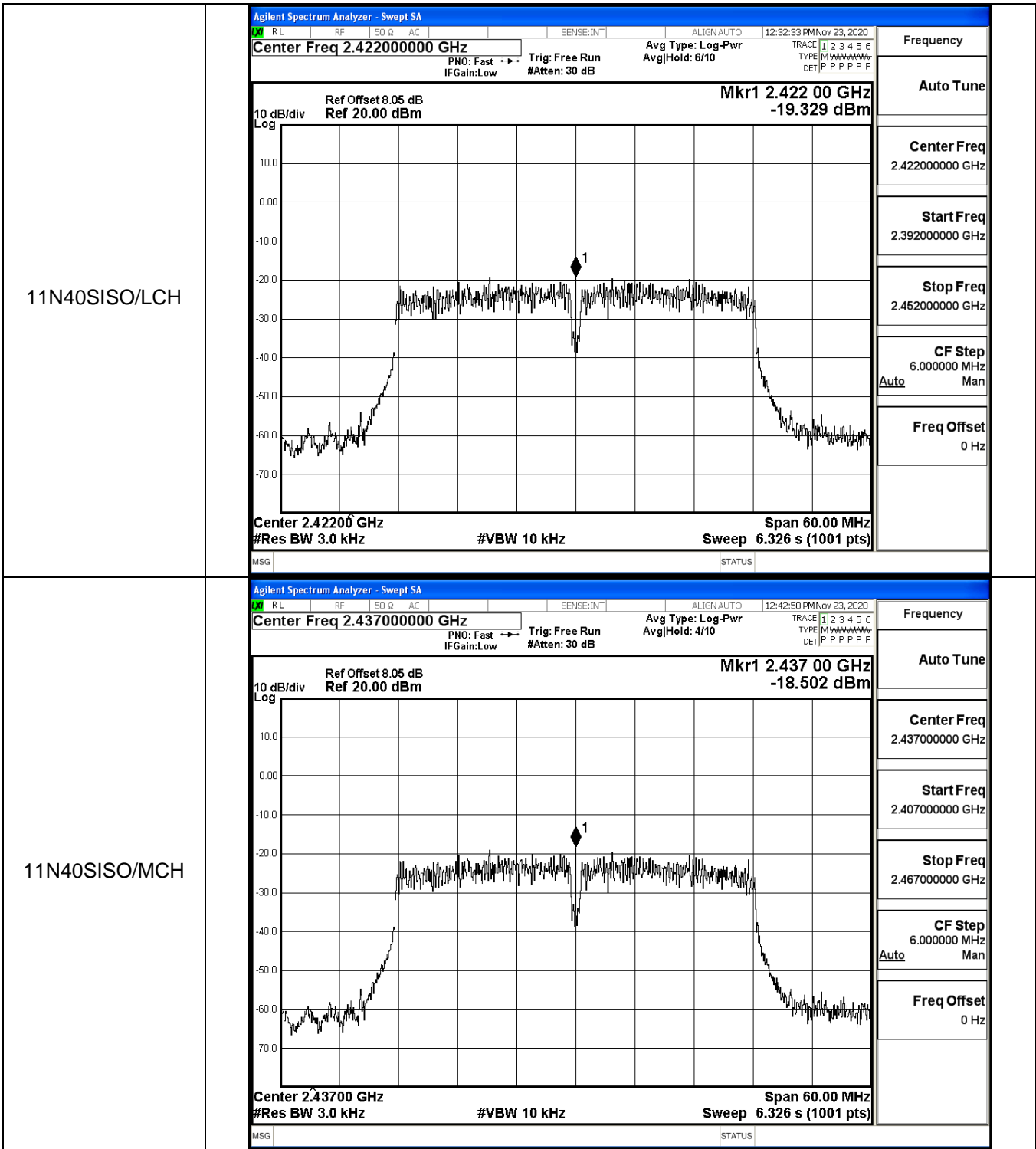
11G/HCH



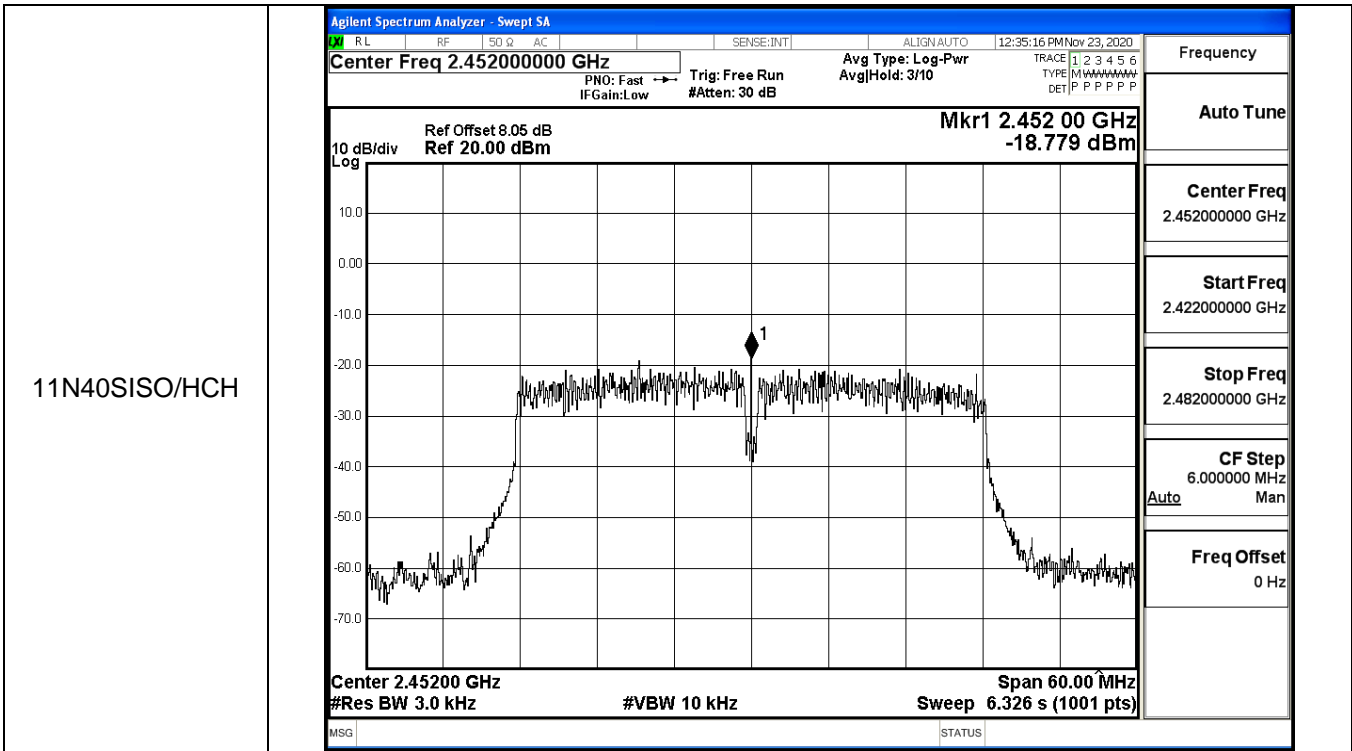
11N20SISO/LCH



<p>11N20SISO/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 2.43577 GHz -15.784 dBm</p> <p>10 dB/div Log</p> <p>Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 3.163 s (1001 pts)</p> <p>Span 30.00 MHz</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.43700000 GHz</p> <p>Start Freq 2.42200000 GHz</p> <p>Stop Freq 2.45200000 GHz</p> <p>CF Step 3.00000 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 8.05 dB Ref 20.00 dBm</p> <p>Mkr1 2.46080 GHz -17.166 dBm</p> <p>10 dB/div Log</p> <p>Center 2.46200 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 3.163 s (1001 pts)</p> <p>Span 30.00 MHz</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.46200000 GHz</p> <p>Start Freq 2.44700000 GHz</p> <p>Stop Freq 2.47700000 GHz</p> <p>CF Step 3.00000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>



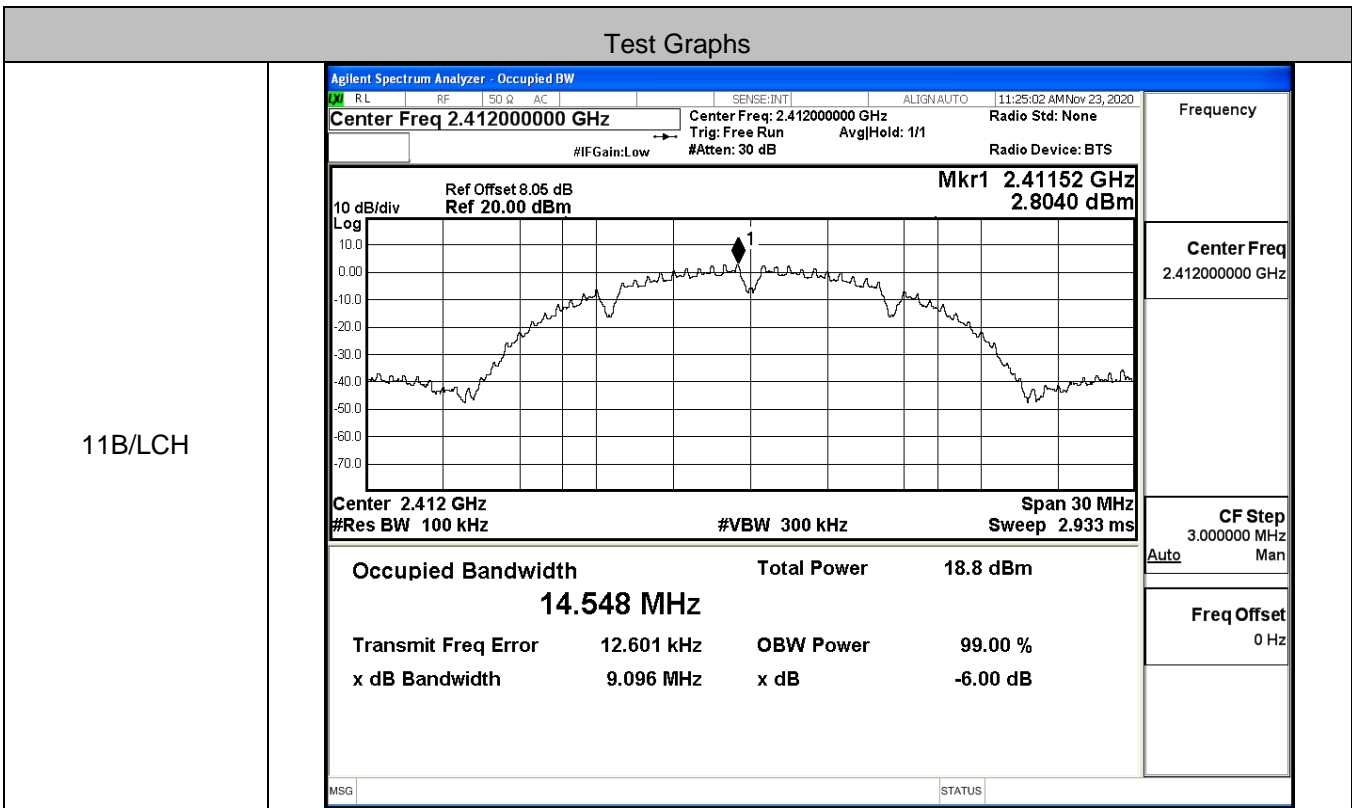




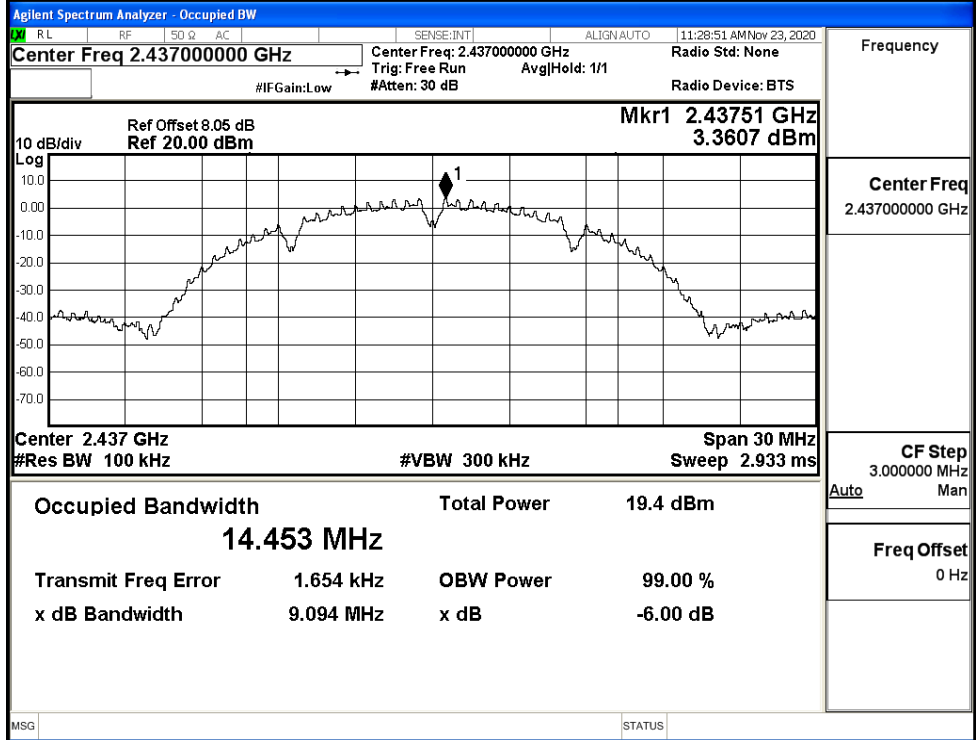
**A.4 6dB Bandwidth**

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.096	≥0.5	PASS
	MCH	9.094	≥0.5	PASS
	HCH	9.106	≥0.5	PASS
11G	LCH	12.57	≥0.5	PASS
	MCH	10.09	≥0.5	PASS
	HCH	11.30	≥0.5	PASS
11N20SISO	LCH	10.09	≥0.5	PASS
	MCH	10.11	≥0.5	PASS
	HCH	10.09	≥0.5	PASS
11N40SISO	LCH	32.56	≥0.5	PASS
	MCH	31.27	≥0.5	PASS
	HCH	31.34	≥0.5	PASS

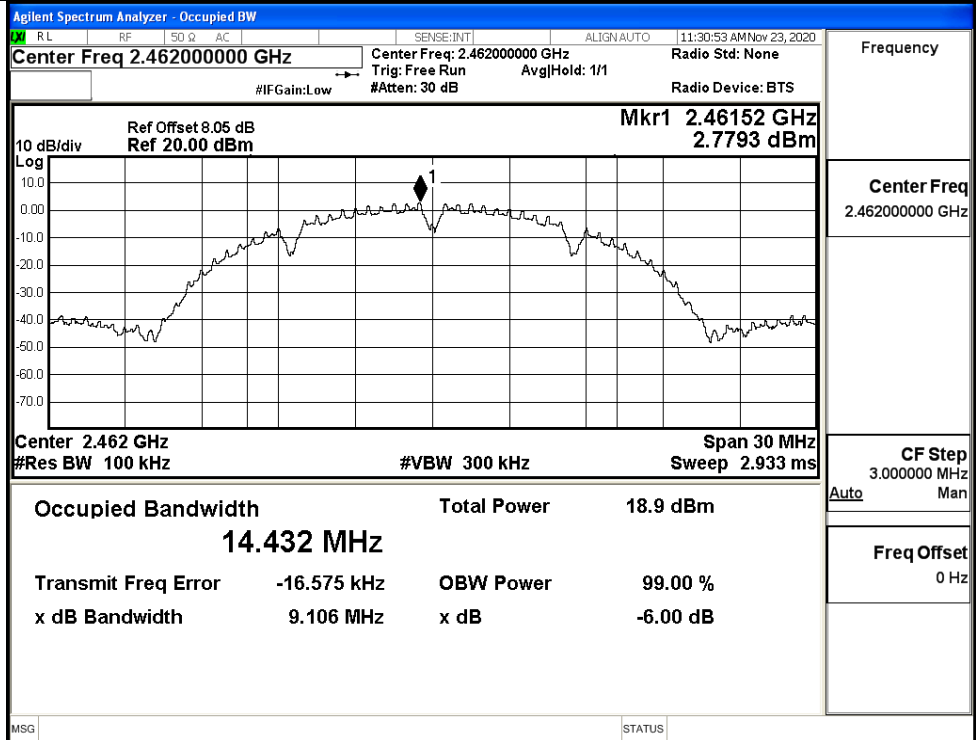
**Test Graphs**



11B/MCH

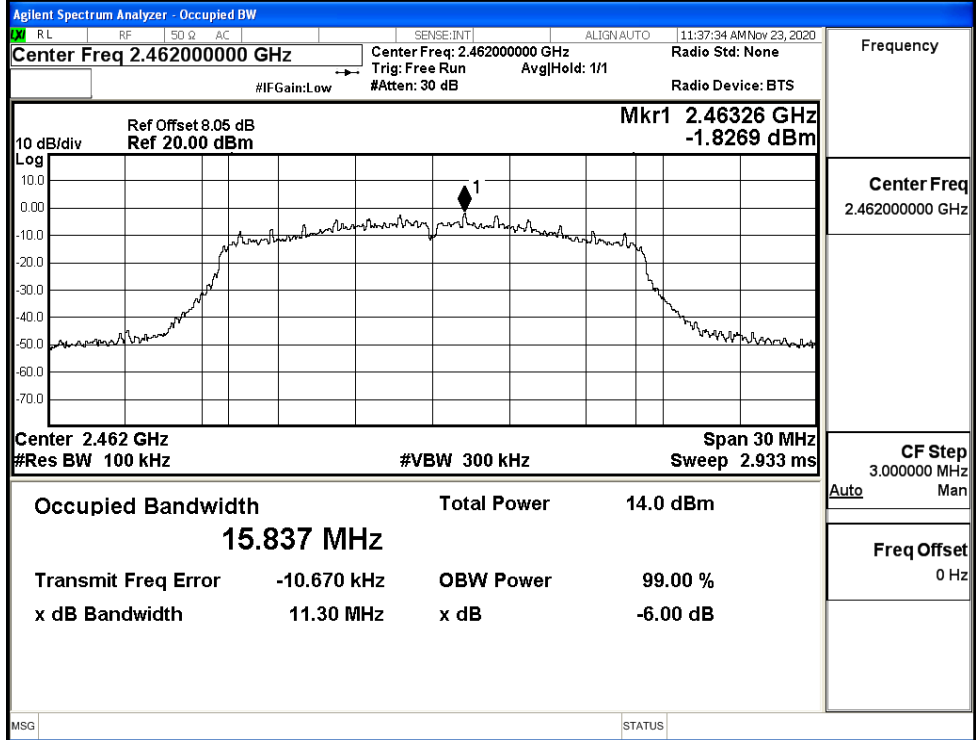


11B/HCH



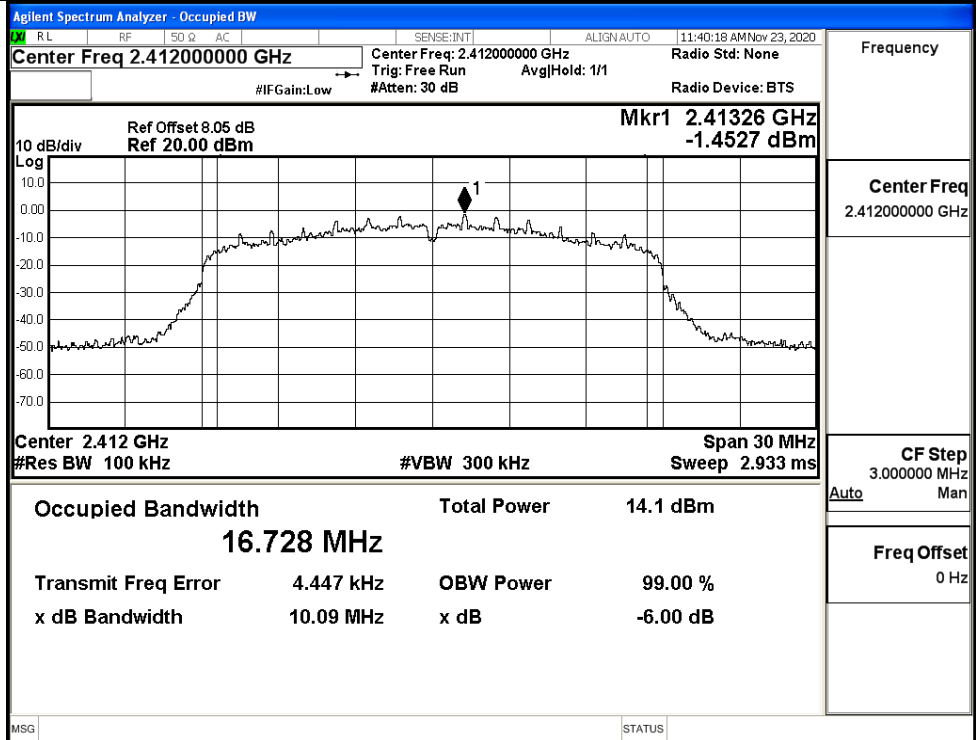
<p>11G/LCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.41200000 GHz</p> <p>Mkr1 2.41452 GHz -2.5681 dBm</p> <p>Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 15.861 MHz Total Power 14.3 dBm</p> <p>Transmit Freq Error 20.606 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 12.57 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>11G/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Mkr1 2.43826 GHz -1.0920 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 15.824 MHz Total Power 14.7 dBm</p> <p>Transmit Freq Error 6.876 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 10.09 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>Freq Offset 0 Hz</p>

11G/HCH

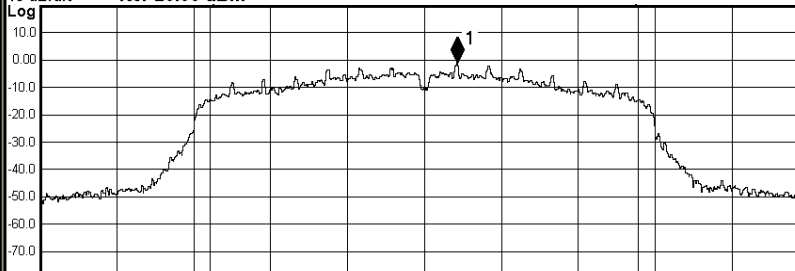
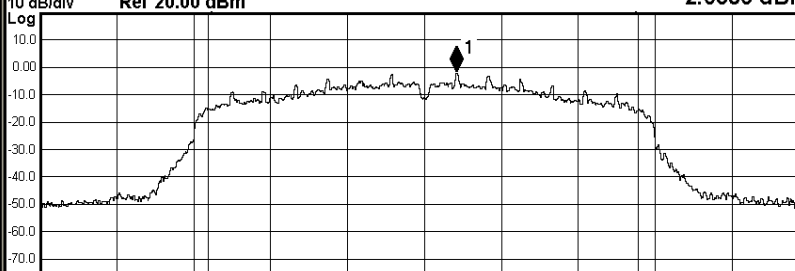


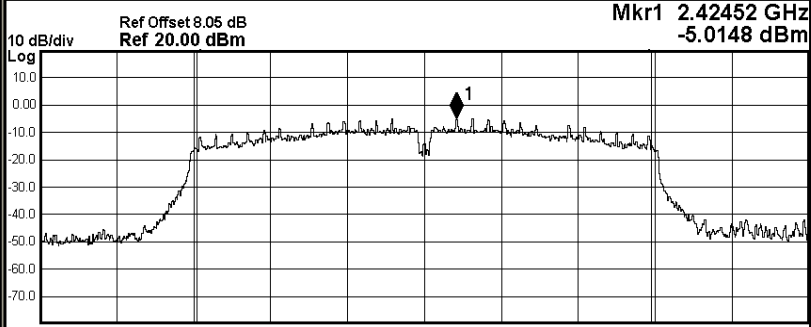
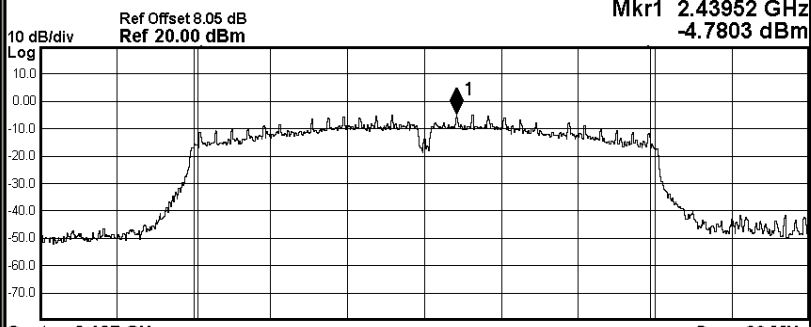
Frequency	2.46200000 GHz
Center Freq	2.46200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N20SISO/LCH



Frequency	2.41200000 GHz
Center Freq	2.41200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>RL RF SO Q AC SENSE:INT ALIGN AUTO 11:42:53 AM Nov 23, 2020</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 2.43829 GHz          Ref 20.00 dBm -1.1912 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 14.5 dBm  <b>16.699 MHz</b></p> <p>Transmit Freq Error -7.918 kHz OBW Power 99.00 %          x dB Bandwidth 10.11 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>RL RF SO Q AC SENSE:INT ALIGN AUTO 11:44:56 AM Nov 23, 2020</p> <p>Center Freq 2.46200000 GHz Center Freq: 2.46200000 GHz Radio Std: None          Trig: Free Run AvgHold: &gt;1/1          #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.05 dB Mkr1 2.46326 GHz          Ref 20.00 dBm -2.0386 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 Total Power 13.6 dBm  <b>16.727 MHz</b></p> <p>Transmit Freq Error -30.738 kHz OBW Power 99.00 %          x dB Bandwidth 10.09 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>Center Freq 2.42200000 GHz</p> <p>Mkr1 2.42452 GHz -5.0148 dBm</p>  <p>Center 2.422 GHz #Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 60 MHz Sweep 5.8 ms</p> <p>Occupied Bandwidth <b>35.318 MHz</b></p> <p>Total Power <b>14.7 dBm</b></p> <p>Transmit Freq Error 9.215 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 32.56 MHz</p> <p>x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.42200000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11N40SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Mkr1 2.43952 GHz -4.7803 dBm</p>  <p>Center 2.437 GHz #Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 60 MHz Sweep 5.8 ms</p> <p>Occupied Bandwidth <b>35.244 MHz</b></p> <p>Total Power <b>14.7 dBm</b></p> <p>Transmit Freq Error -33.278 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 31.27 MHz</p> <p>x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>

11N40SISO/HCH	Agilent Spectrum Analyzer - Occupied BW		
	RL	RF	SO Q AC
	Center Freq 2.45200000 GHz		Center Freq: 2.45200000 GHz
	#IFGain:Low		#Atten: 30 dB
	SENSE:INT		ALIGN AUTO
11:52:05 AM Nov 23, 2020		Radio Std: None	
Trig: Free Run		Avg Hold: 1/1	
Radio Device: BTS			
Ref Offset 8.05 dB		Mkr1 2.44948 GHz	
Ref 20.00 dBm		-5.2438 dBm	
Center 2.452 GHz		Span 60 MHz	
#Res BW 100 kHz		#VBW 300 kHz	
		Sweep 5.8 ms	
Occupied Bandwidth		Total Power 14.4 dBm	
<b>35.303 MHz</b>			
Transmit Freq Error	-88.358 kHz	OBW Power 99.00 %	
x dB Bandwidth	31.34 MHz	x dB -6.00 dB	
MSG		STATUS	



### A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.601	-38.532	-17.399	PASS
	MCH	3.302	-38.321	-16.698	PASS
	HCH	2.446	-38.249	-17.554	PASS
11G	LCH	-1.68	-38.811	-21.680	PASS
	MCH	-1.143	-38.227	-21.143	PASS
	HCH	-2.47	-37.825	-22.470	PASS
11N20 SISO	LCH	-1.63	-36.554	-21.630	PASS
	MCH	-1.822	-38.201	-21.822	PASS
	HCH	-2.272	-37.955	-22.272	PASS
11N40 SISO	LCH	-5.421	-37.843	-25.421	PASS
	MCH	-4.886	-38.434	-24.886	PASS
	HCH	-5.392	-38.836	-25.392	PASS

11B\_LCH\_Graphs

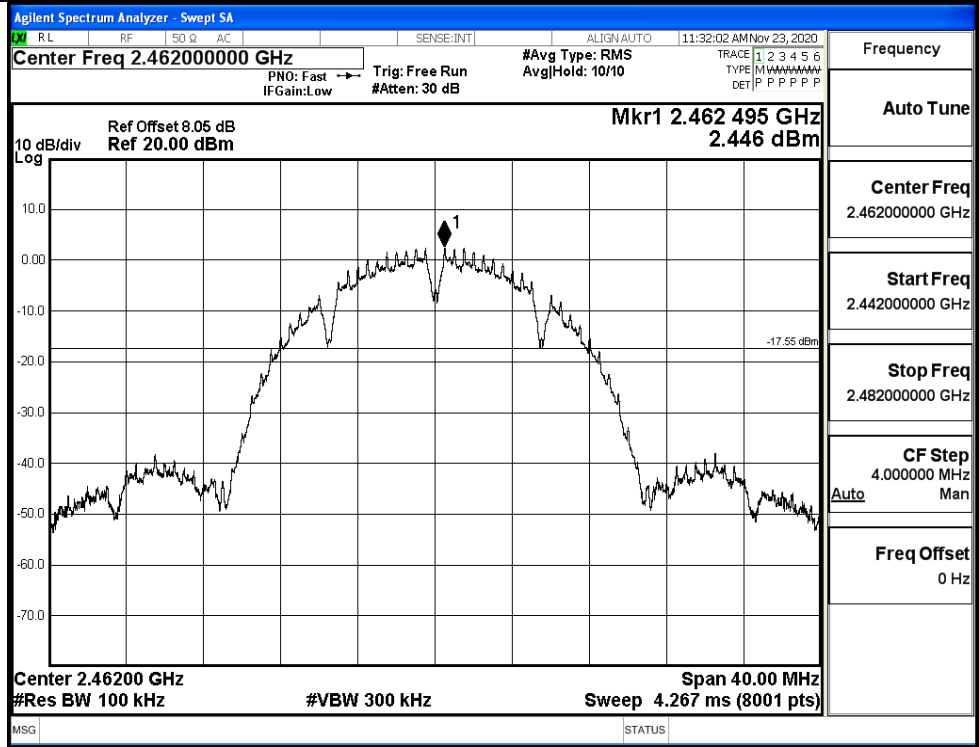
<p>Pref/11B/LCH</p>		<table border="1"> <tr><td>Frequency</td></tr> <tr><td>Auto Tune</td></tr> <tr><td>Center Freq 2.412000000 GHz</td></tr> <tr><td>Start Freq 2.392000000 GHz</td></tr> <tr><td>Stop Freq 2.432000000 GHz</td></tr> <tr><td>CF Step 4.000000 MHz Auto Man</td></tr> <tr><td>Freq Offset 0 Hz</td></tr> </table>	Frequency	Auto Tune	Center Freq 2.412000000 GHz	Start Freq 2.392000000 GHz	Stop Freq 2.432000000 GHz	CF Step 4.000000 MHz Auto Man	Freq Offset 0 Hz
Frequency									
Auto Tune									
Center Freq 2.412000000 GHz									
Start Freq 2.392000000 GHz									
Stop Freq 2.432000000 GHz									
CF Step 4.000000 MHz Auto Man									
Freq Offset 0 Hz									
<p>Puw/11B/LCH</p>		<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									

11B\_MCH\_Graphs

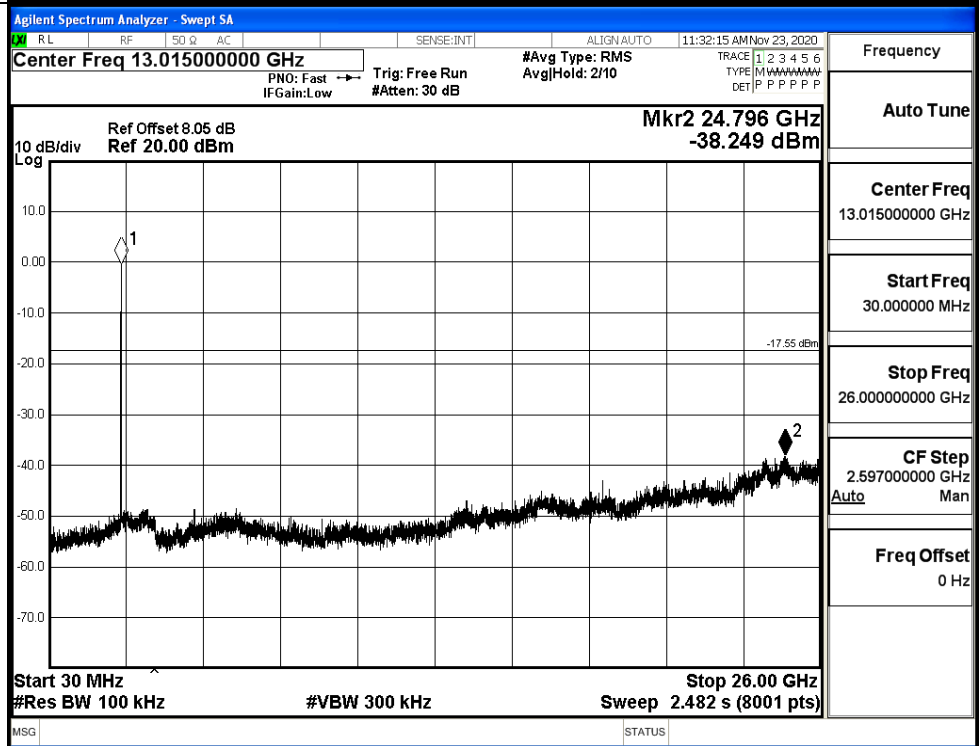
<p>Pref/11B/MCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.417000000 GHz</p> <p>Stop Freq 2.457000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11B/MCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 13.015000000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 26.000000000 GHz</p> <p>CF Step 2.597000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>

11B\_HCH\_Graphs

Pref/11B/HCH

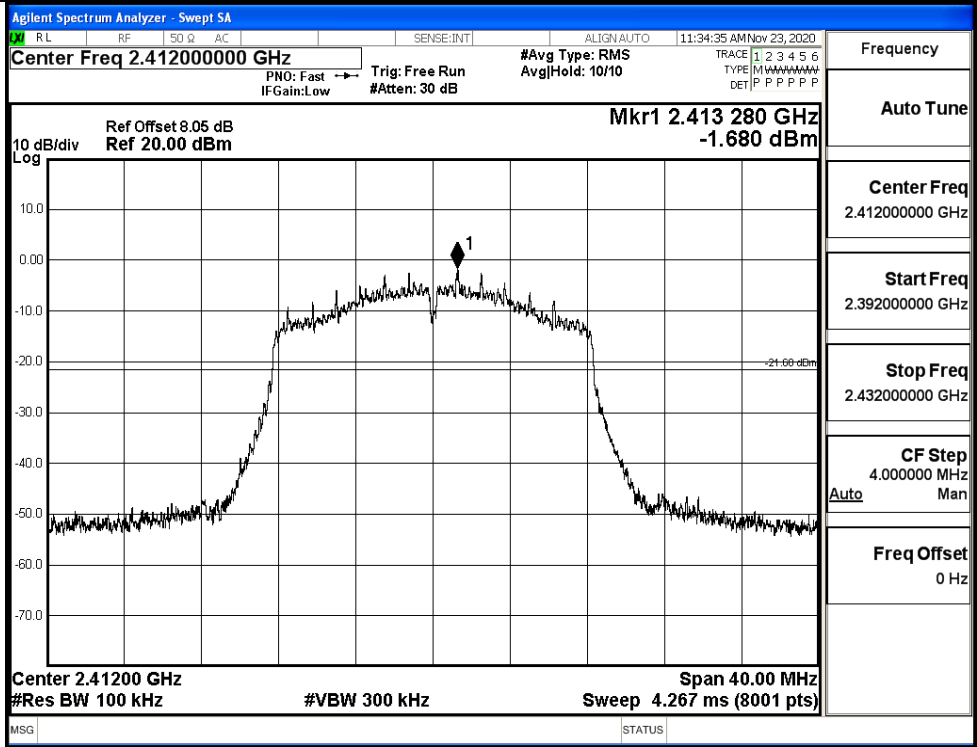


Puw/11B/HCH

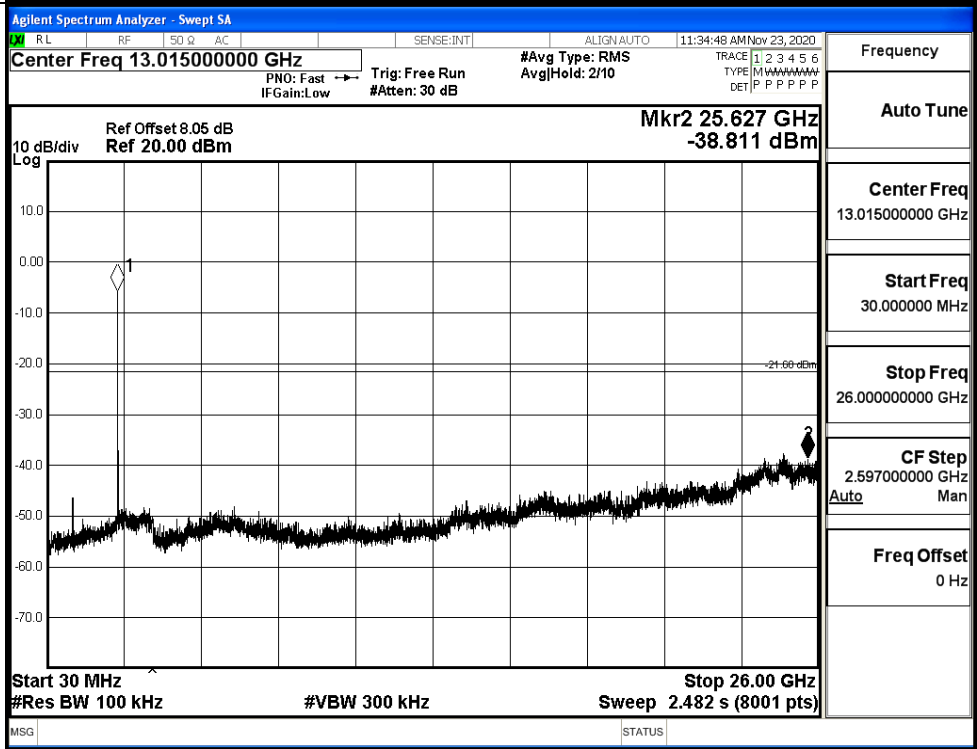


11G\_LCH\_Graphs

Pref/11G/LCH

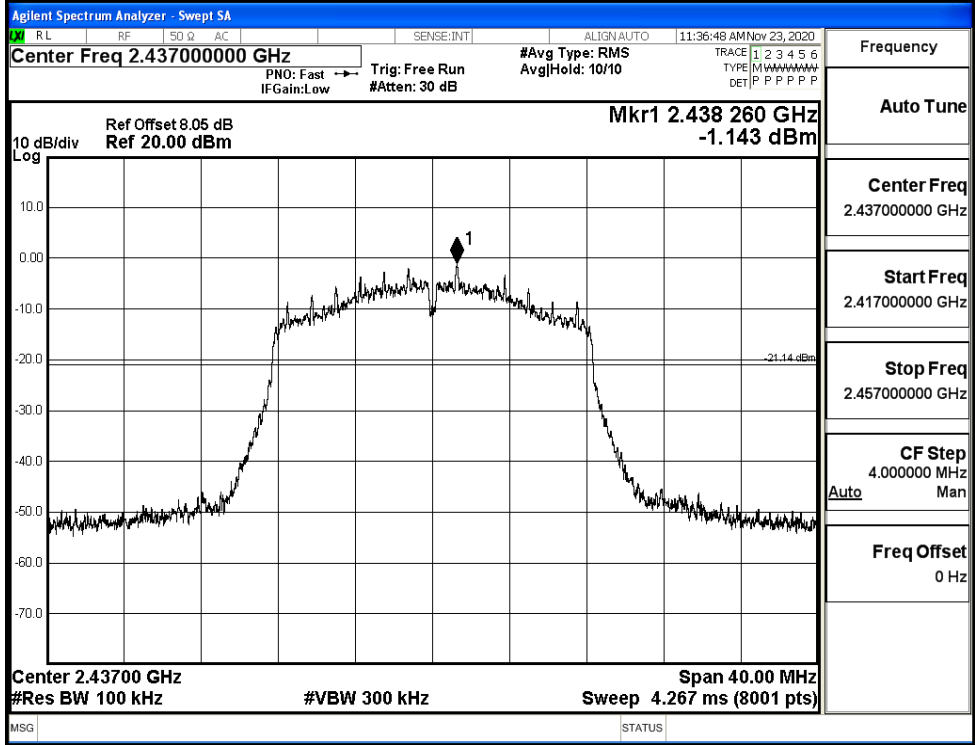


Puw/11G/LCH

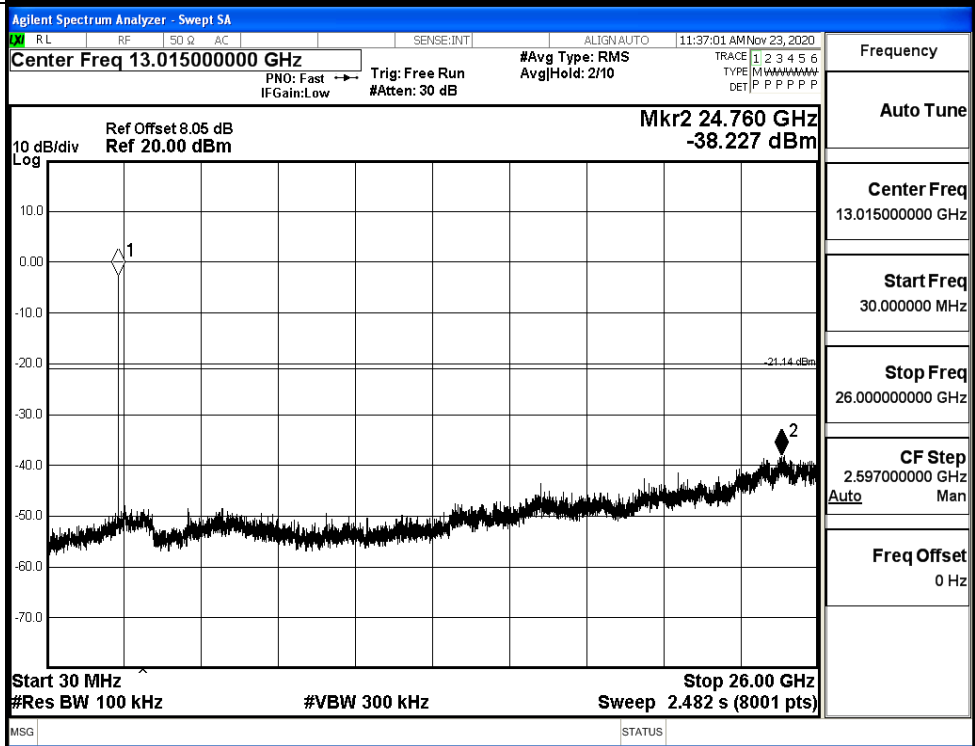


11G\_MCH\_Graphs

Pref/11G/MCH

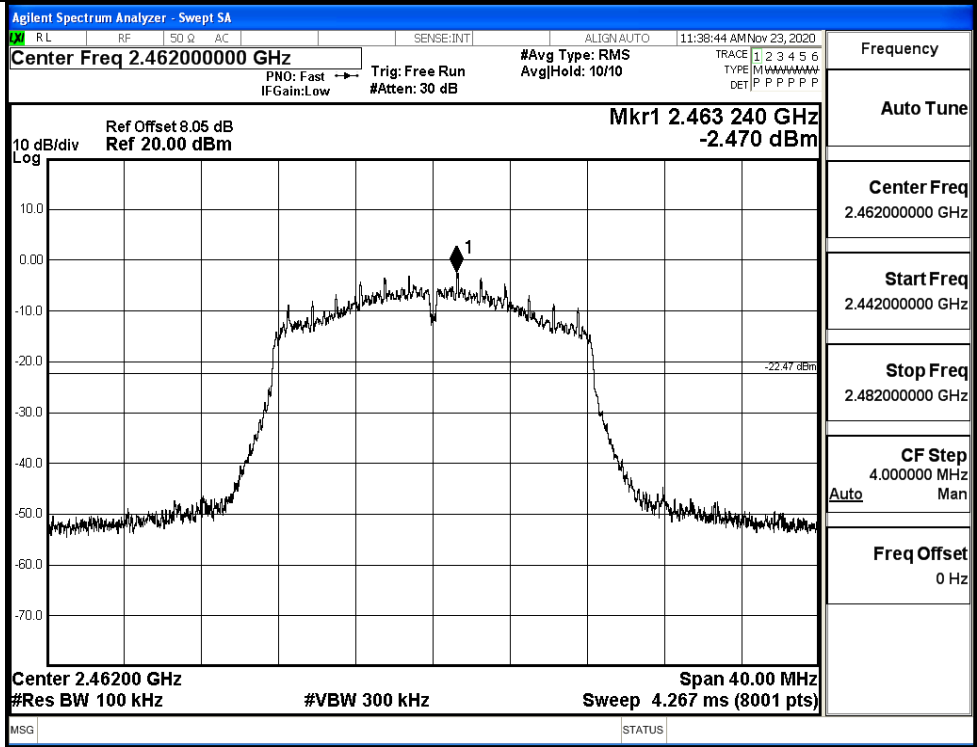


Puw/11G/MCH



11G\_HCH\_Graphs

Pref/11G/HCH

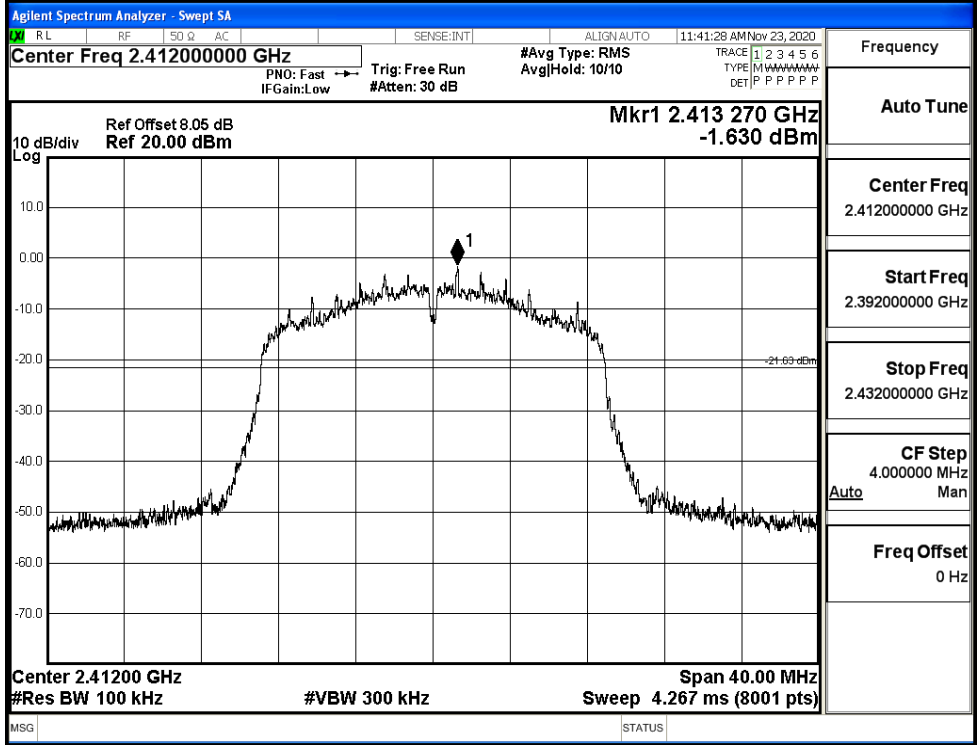


Puw/11G/HCH

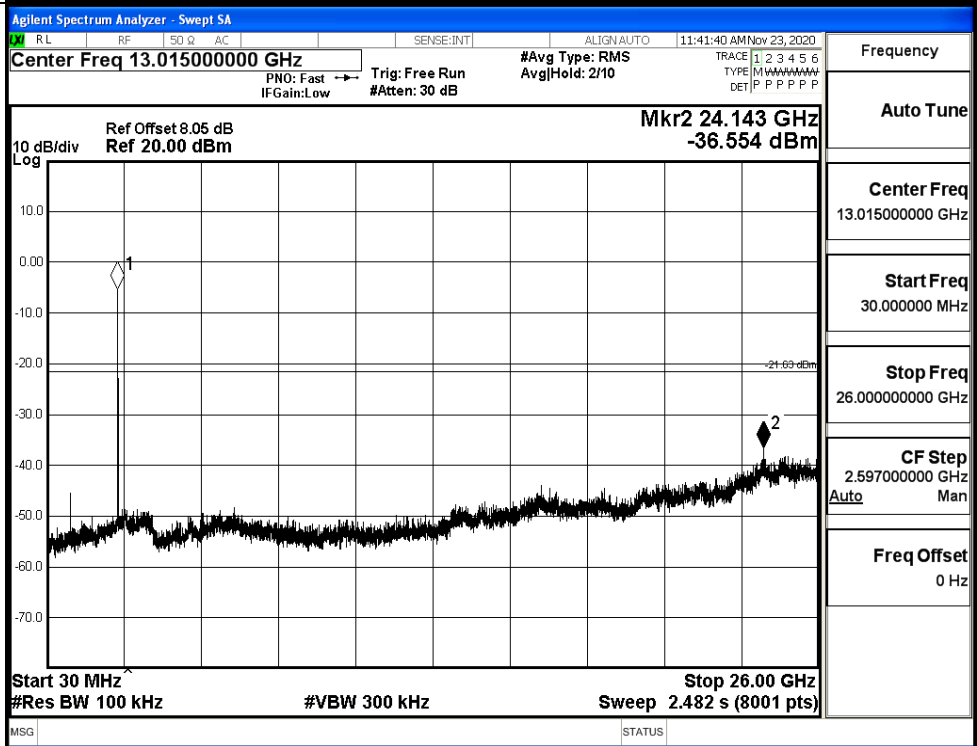


11N20SISO\_LCH\_Graphs

Pref/11N20SIS  
O/LCH



Puw/11N20  
SISO/LCH





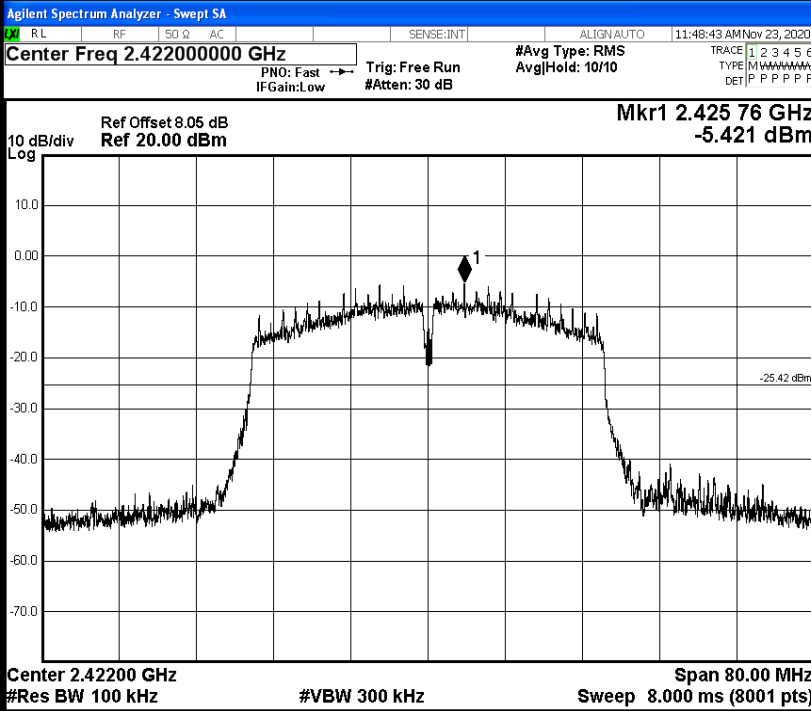
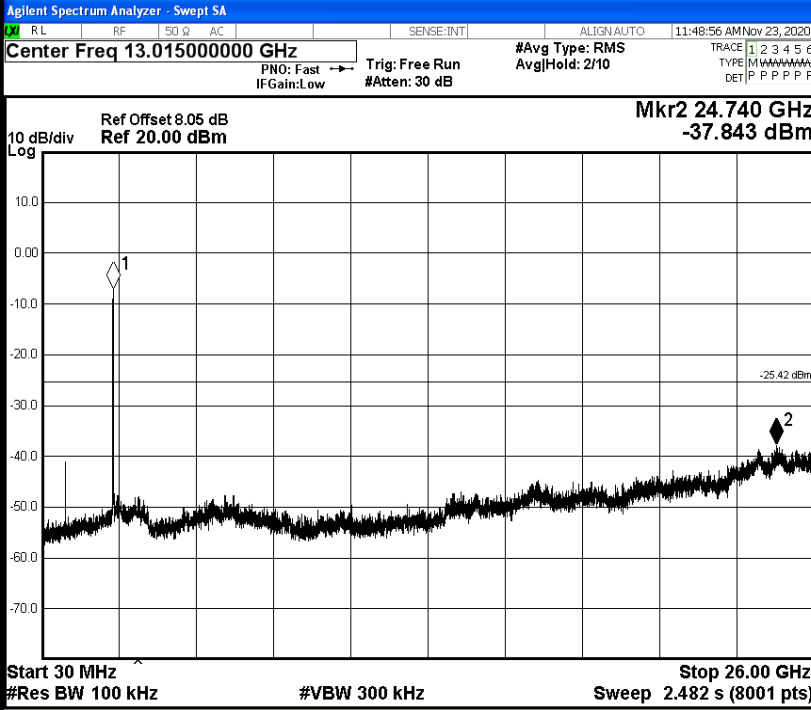
11N20SISO\_MCH\_Graphs

<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

<p>Pref/11N20 SISO/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 2.463280 GHz -2.272 dBm</p> <p>Center 2.46200 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 2.462000000 GHz</p> <p>Start Freq 2.442000000 GHz</p> <p>Stop Freq 2.482000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	<p>Puw/11N20 SISO/HCH</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 24.750 GHz -37.955 dBm</p> <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.482 s (8001 pts)</p>

11N40SISO\_LCH\_Graphs

<p>Pref/11N40 SISO/LCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.42200000 GHz</p> <p>Mkr1 2.425 76 GHz -5.421 dBm</p> <p>10 dB/div Log</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.42200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 8.000 ms (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.422000000 GHz</p> <p>Start Freq 2.382000000 GHz</p> <p>Stop Freq 2.462000000 GHz</p> <p>CF Step 8.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	<p>Puw/11N40 SISO/LCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 13.01500000 GHz</p> <p>Mkr2 24.740 GHz -37.843 dBm</p> <p>10 dB/div Log</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.482 s (8001 pts)</p>

11N40SISO\_MCH\_Graphs

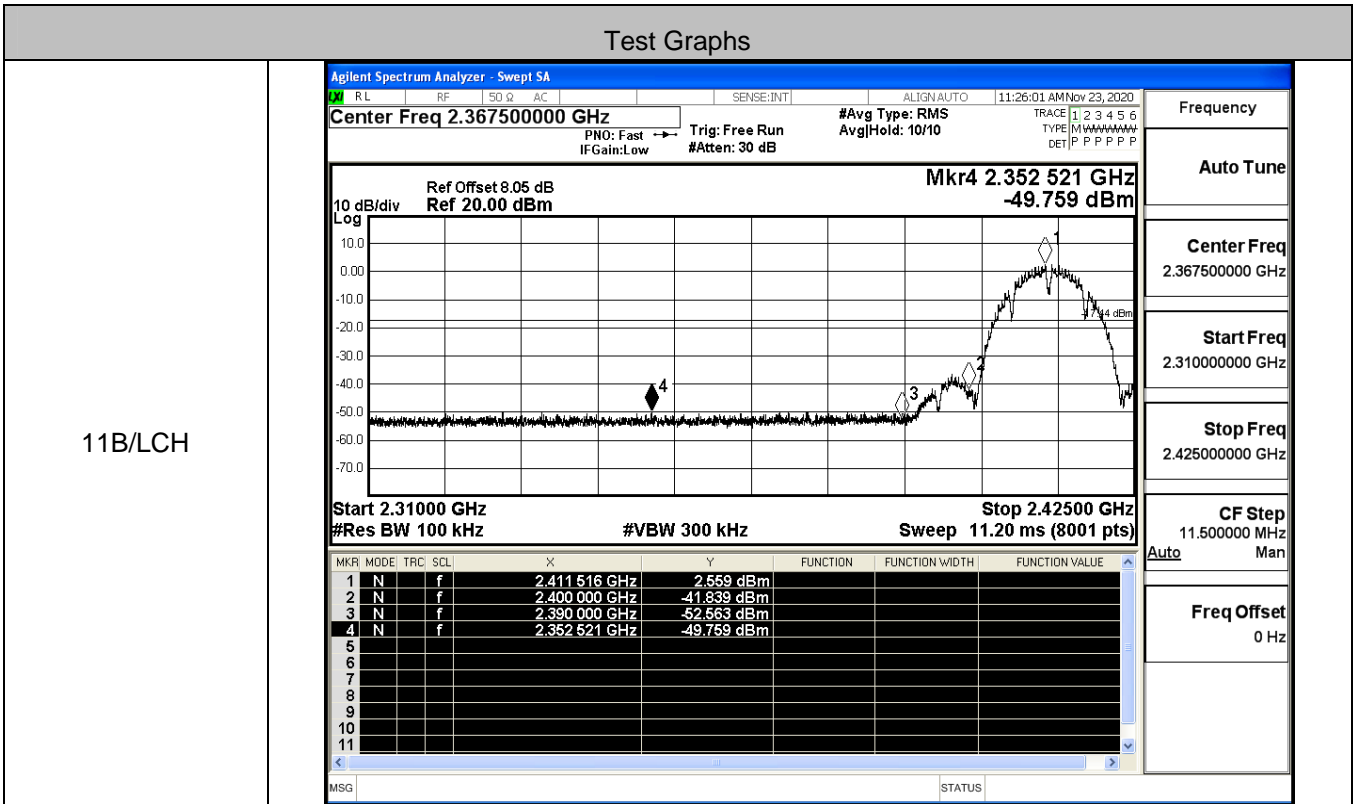
<p>Pref/11N40 SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.43700000 GHz</p> <p>Mkr1 2.434 50 GHz -4.886 dBm</p> <p>Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 8.000 ms (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.397000000 GHz</p> <p>Stop Freq 2.477000000 GHz</p> <p>CF Step 8.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	<p>Puw/11N40 SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 13.01500000 GHz</p> <p>Mkr2 24.127 GHz -38.434 dBm</p> <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.482 s (8001 pts)</p>

11N40SISO\_HCH\_Graphs

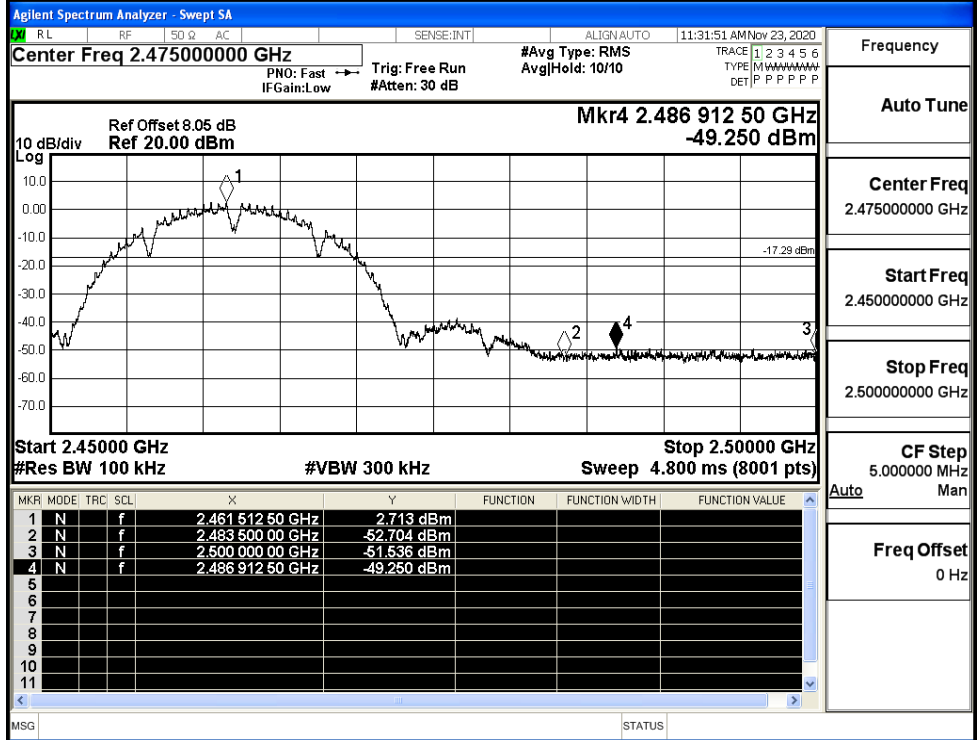
<p>Pref/11N40 SISO/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.452000000 GHz</p> <p>Start Freq 2.412000000 GHz</p> <p>Stop Freq 2.492000000 GHz</p> <p>CF Step 8.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	<p>Puw/11N40 SISO/HCH</p>	

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

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.559	-49.759	-17.44	PASS
	HCH	2.713	-49.250	-17.29	PASS
11G	LCH	-2.744	-49.223	-22.74	PASS
	HCH	-2.264	-49.442	-22.26	PASS
11N20SISO	LCH	-1.876	-48.687	-21.88	PASS
	HCH	-1.983	-49.150	-21.98	PASS
11N40SISO	LCH	-5.092	-49.100	-25.09	PASS
	HCH	-5.316	-44.940	-25.32	PASS



11B/HCH



Frequency

Auto Tune

Center Freq  
2.475000000 GHz

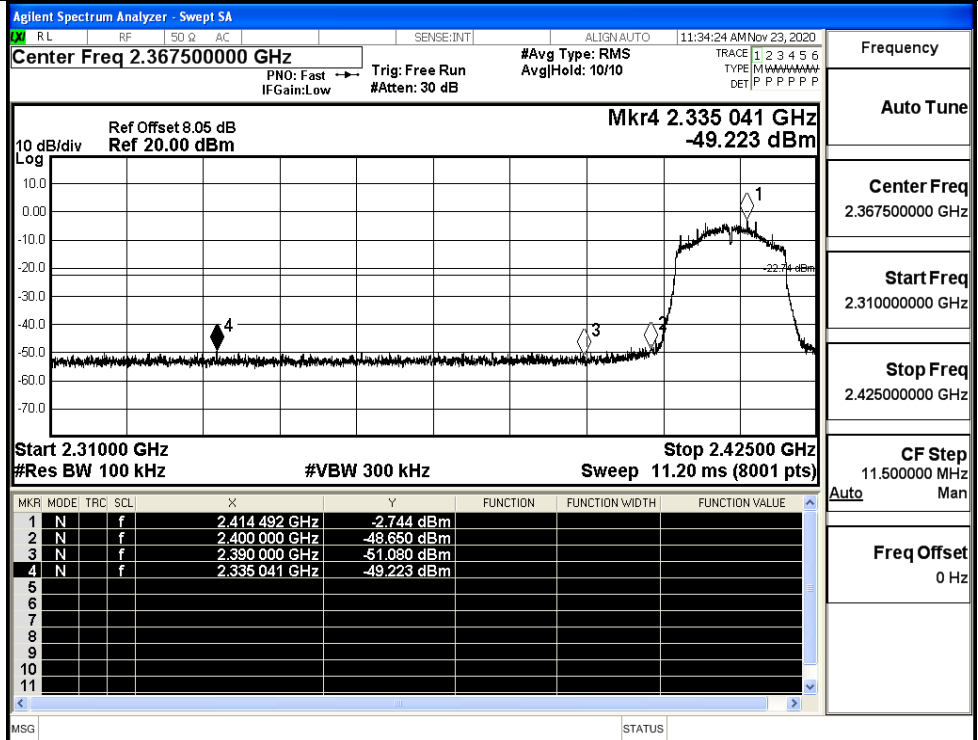
Start Freq  
2.450000000 GHz

Stop Freq  
2.500000000 GHz

CF Step  
5.000000 MHz

Freq Offset  
0 Hz

11G/LCH



Frequency

Auto Tune

Center Freq  
2.367500000 GHz

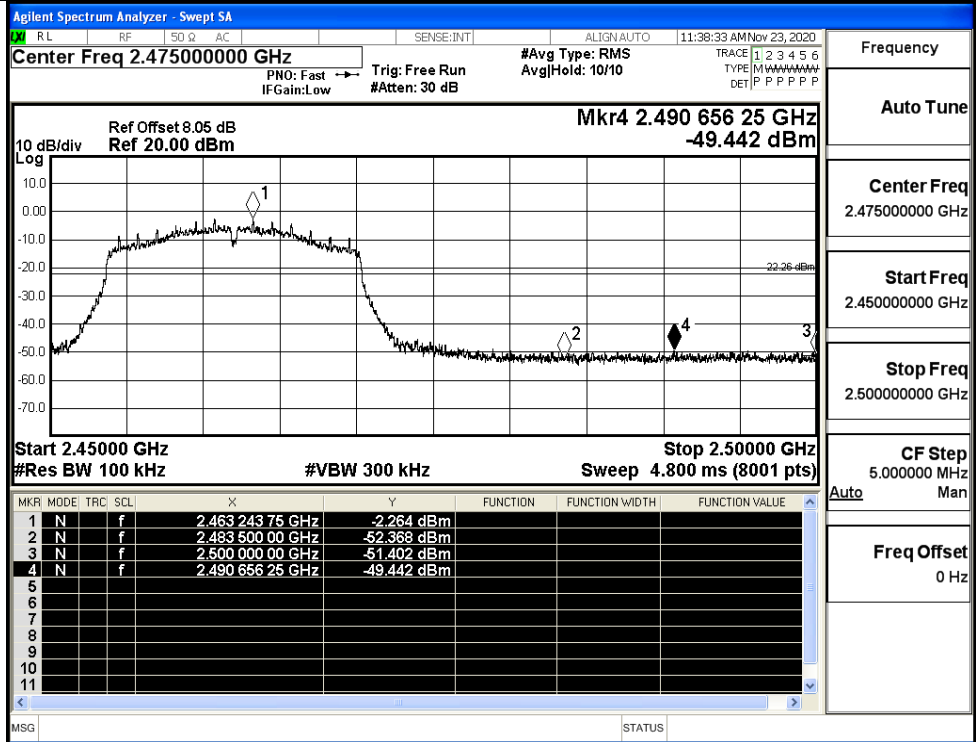
Start Freq  
2.310000000 GHz

Stop Freq  
2.425000000 GHz

CF Step  
11.500000 MHz

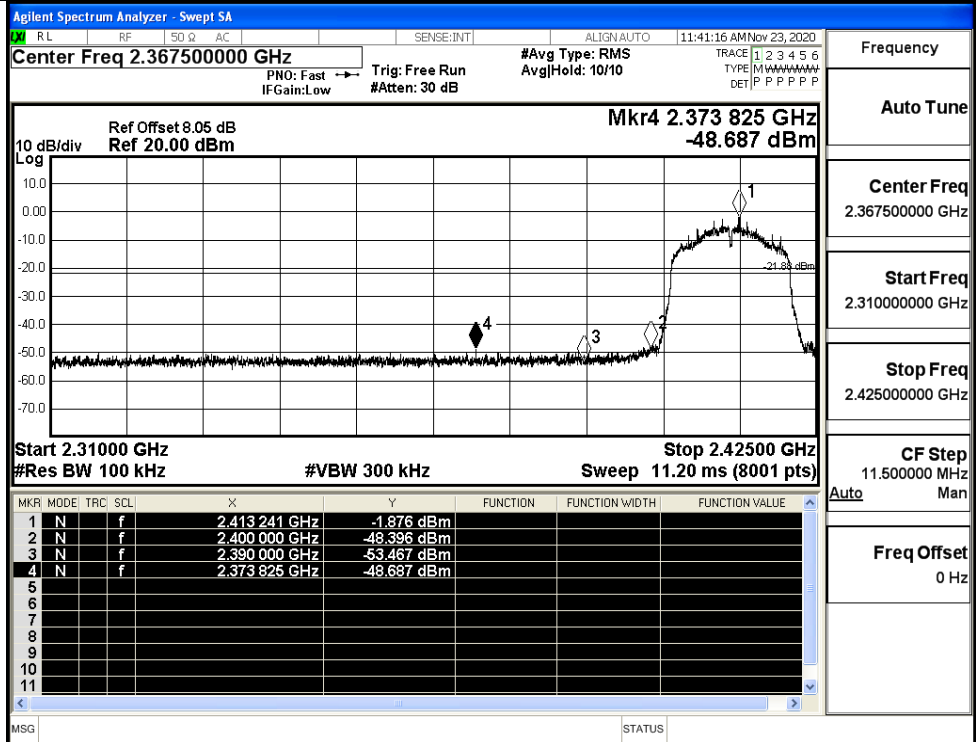
Freq Offset  
0 Hz

11G/HCH



Frequency	
Auto Tune	
Center Freq	2.47500000 GHz
Start Freq	2.45000000 GHz
Stop Freq	2.50000000 GHz
CF Step	5.000000 MHz
Freq Offset	0 Hz

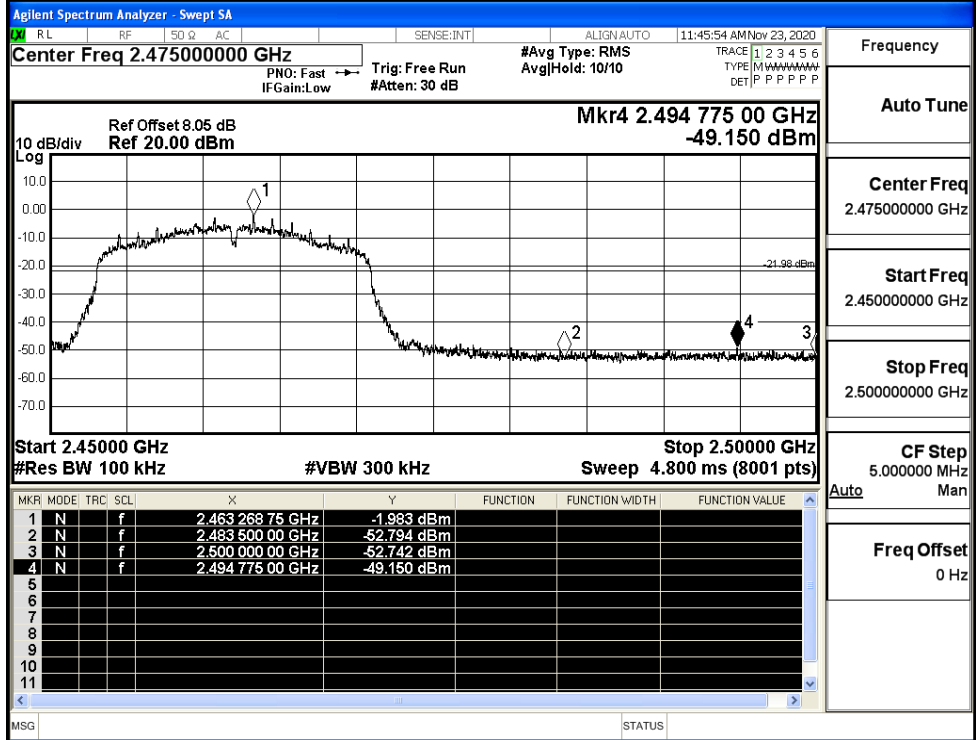
11N20SISO/LCH



Frequency	
Auto Tune	
Center Freq	2.36750000 GHz
Start Freq	2.31000000 GHz
Stop Freq	2.42500000 GHz
CF Step	11.500000 MHz
Freq Offset	0 Hz



11N20SISO/HCH



Frequency

Auto Tune

Center Freq  
2.47500000 GHz

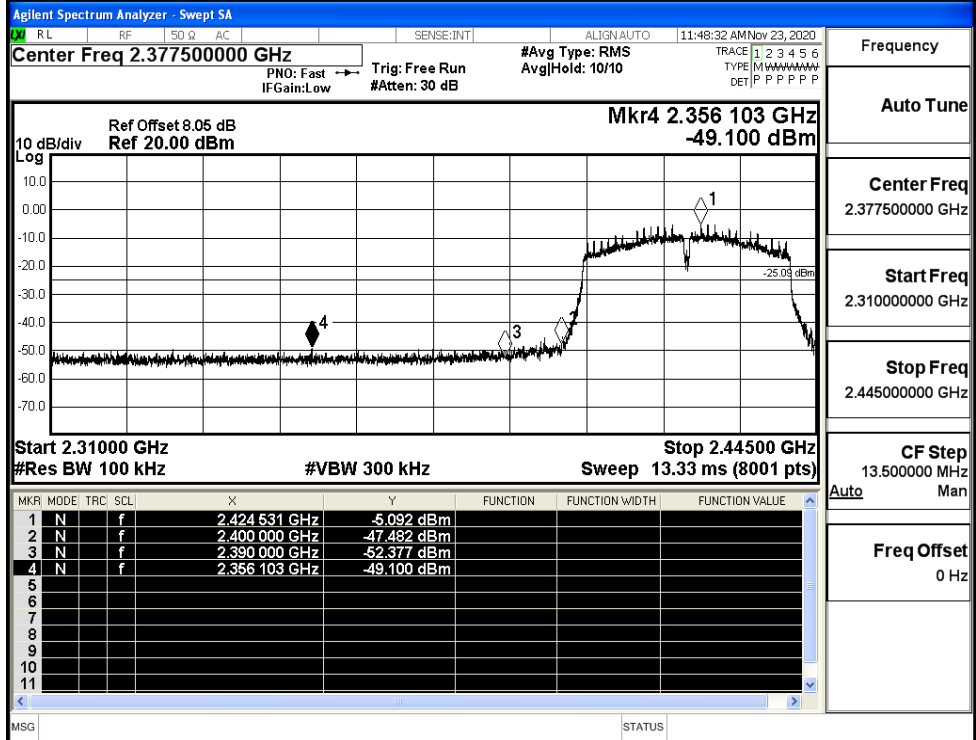
Start Freq  
2.45000000 GHz

Stop Freq  
2.50000000 GHz

CF Step  
5.000000 MHz

Freq Offset  
0 Hz

11N40SISO/LCH



Frequency

Auto Tune

Center Freq  
2.37750000 GHz

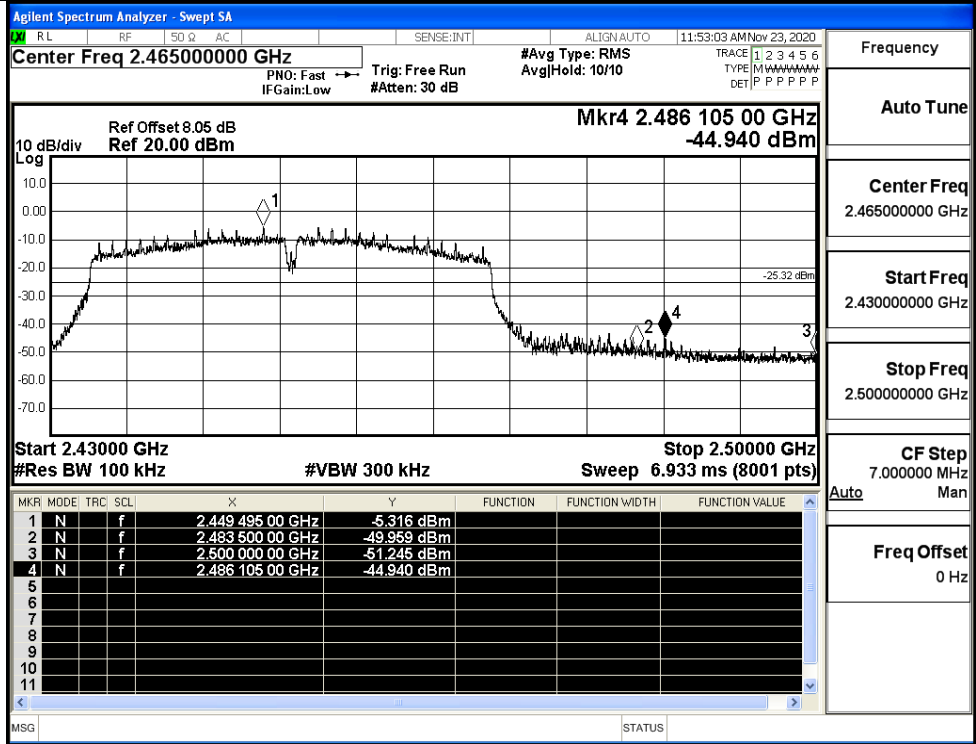
Start Freq  
2.31000000 GHz

Stop Freq  
2.44500000 GHz

CF Step  
13.500000 MHz

Freq Offset  
0 Hz

11N40SISO/HCH



Frequency

Auto Tune

Center Freq  
2.465000000 GHz

Start Freq  
2.430000000 GHz

Stop Freq  
2.500000000 GHz

CF Step  
7.000000 MHz

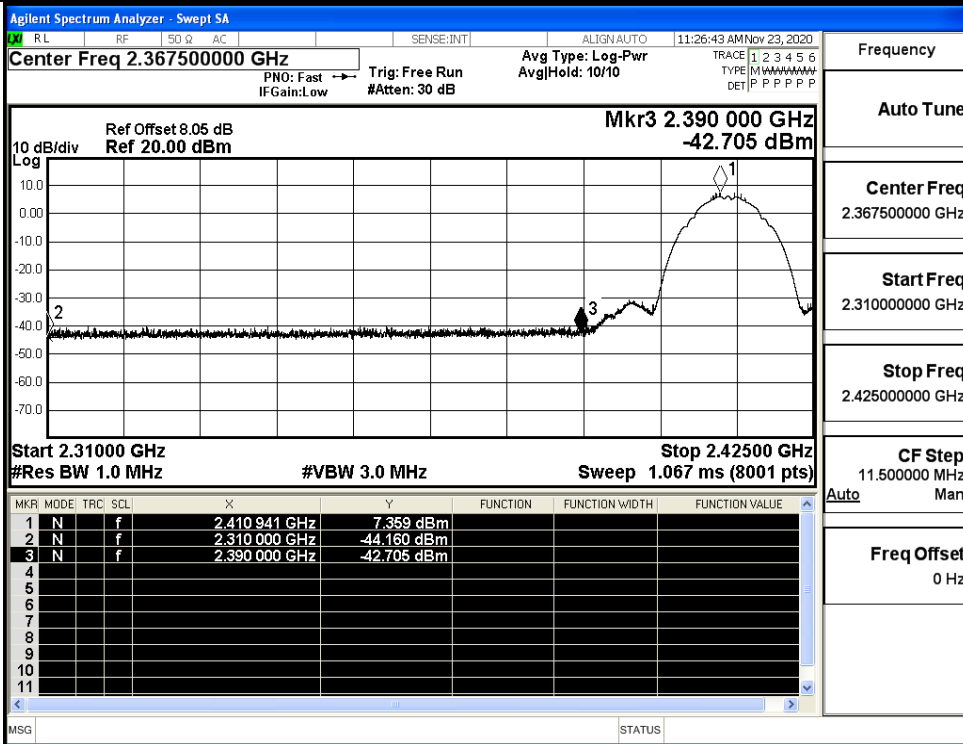
Freq Offset  
0 Hz

### A.7 Restrict-band band-edge measurements

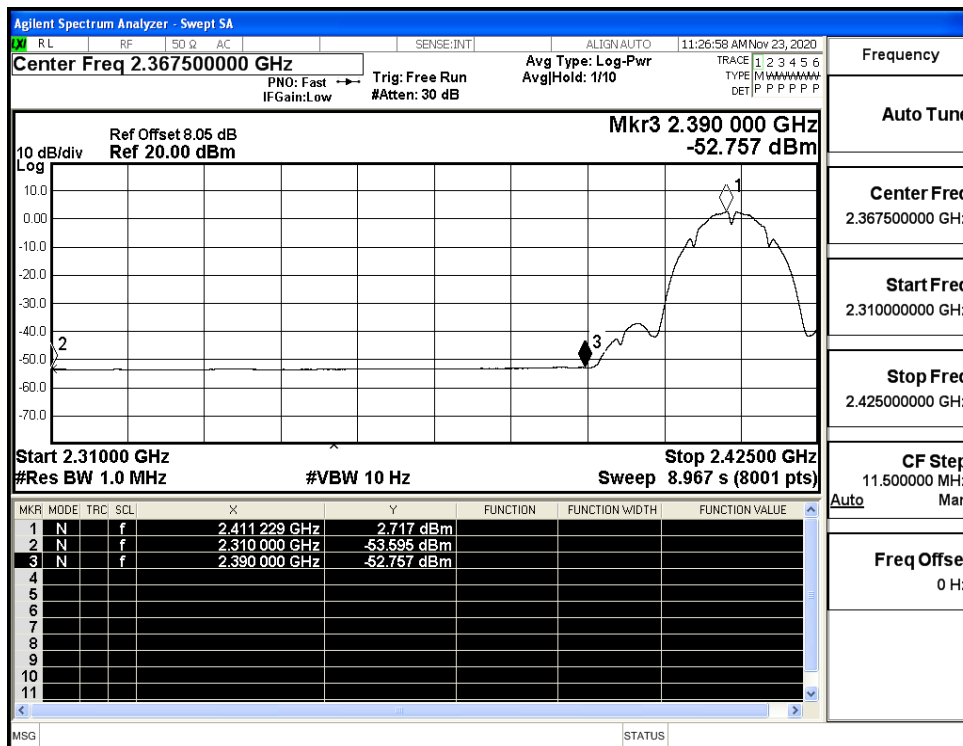
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-44.16	3.0	0	54.07	PEAK	74	PASS
	2412	Ant1	2310.0	-53.60	3.0	0	44.63	AV	54	PASS
	2412	Ant1	2390.0	-42.71	3.0	0	55.52	PEAK	74	PASS
	2412	Ant1	2390.0	-52.76	3.0	0	45.47	AV	54	PASS
	2462	Ant1	2483.5	-41.68	3.0	0	56.55	PEAK	74	PASS
	2462	Ant1	2483.5	-52.51	3.0	0	45.72	AV	54	PASS
	2462	Ant1	2500.0	-41.69	3.0	0	56.54	PEAK	74	PASS
	2462	Ant1	2500.0	-52.39	3.0	0	45.84	AV	54	PASS
11G	2412	Ant1	2310.0	-43.24	3.0	0	54.99	PEAK	74	PASS
	2412	Ant1	2310.0	-53.43	3.0	0	44.8	AV	54	PASS
	2412	Ant1	2390.0	-42.15	3.0	0	56.08	PEAK	74	PASS
	2412	Ant1	2390.0	-52.86	3.0	0	45.37	AV	54	PASS
	2462	Ant1	2483.5	-41.96	3.0	0	56.27	PEAK	74	PASS
	2462	Ant1	2483.5	-52.56	3.0	0	45.67	AV	54	PASS
	2462	Ant1	2500.0	-42.14	3.0	0	56.09	PEAK	74	PASS
	2462	Ant1	2500.0	-52.35	3.0	0	45.88	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.99	3.0	0	54.24	PEAK	74	PASS
	2412	Ant1	2310.0	-53.44	3.0	0	44.79	AV	54	PASS
	2412	Ant1	2390.0	-42.70	3.0	0	55.53	PEAK	74	PASS
	2412	Ant1	2390.0	-52.87	3.0	0	45.36	AV	54	PASS
	2462	Ant1	2483.5	-42.58	3.0	0	55.65	PEAK	74	PASS
	2462	Ant1	2483.5	-52.53	3.0	0	45.7	AV	54	PASS
	2462	Ant1	2500.0	-41.29	3.0	0	56.94	PEAK	74	PASS
	2462	Ant1	2500.0	-52.35	3.0	0	45.88	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-42.48	3.0	0.10	55.85	PEAK	74	PASS
	2422	Ant1	2310.0	-53.38	3.0	0.10	44.95	AV	54	PASS
	2422	Ant1	2390.0	-39.72	3.0	0.10	58.61	PEAK	74	PASS

	2422	Ant1	2390.0	-51.49	3.0	0.10	46.84	AV	54	PASS
	2452	Ant1	2483.5	-35.74	3.0	0.10	62.59	PEAK	74	PASS
	2452	Ant1	2483.5	-50.64	3.0	0.10	47.69	AV	54	PASS
	2452	Ant1	2500.0	-41.50	3.0	0.10	56.83	PEAK	74	PASS
	2452	Ant1	2500.0	-52.34	3.0	0.10	45.99	AV	54	PASS

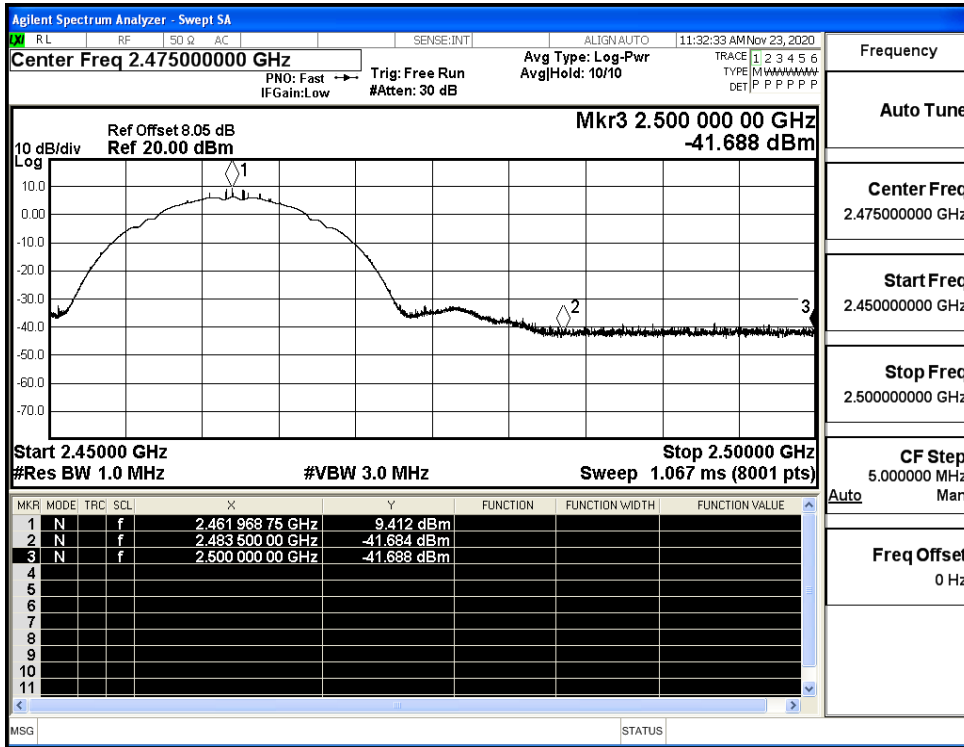
Restrict-band band-edge measurements\_11B\_2412\_Ant1\_PEAK



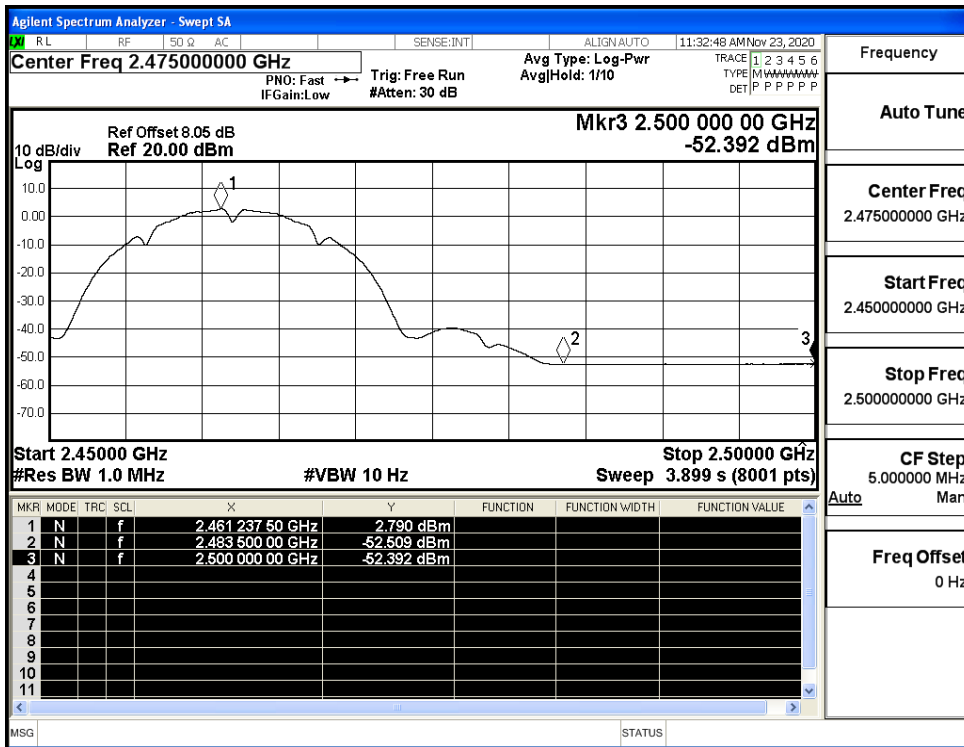
Restrict-band band-edge measurements\_11B\_2412\_Ant1\_AV



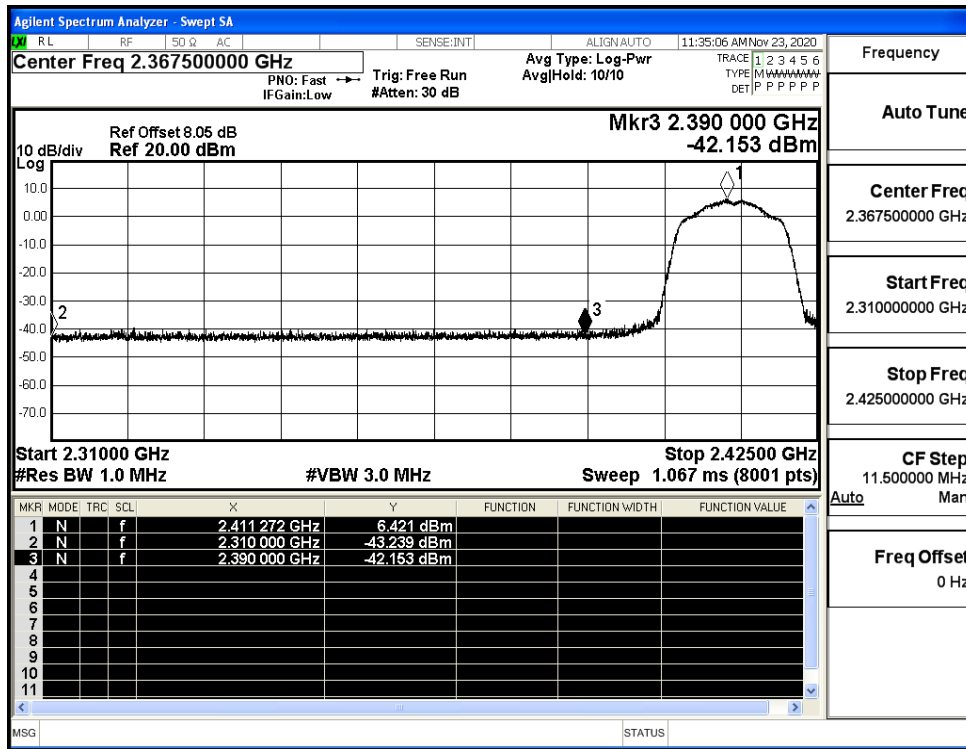
Restrict-band band-edge measurements\_11B\_2462\_Ant1\_PEAK



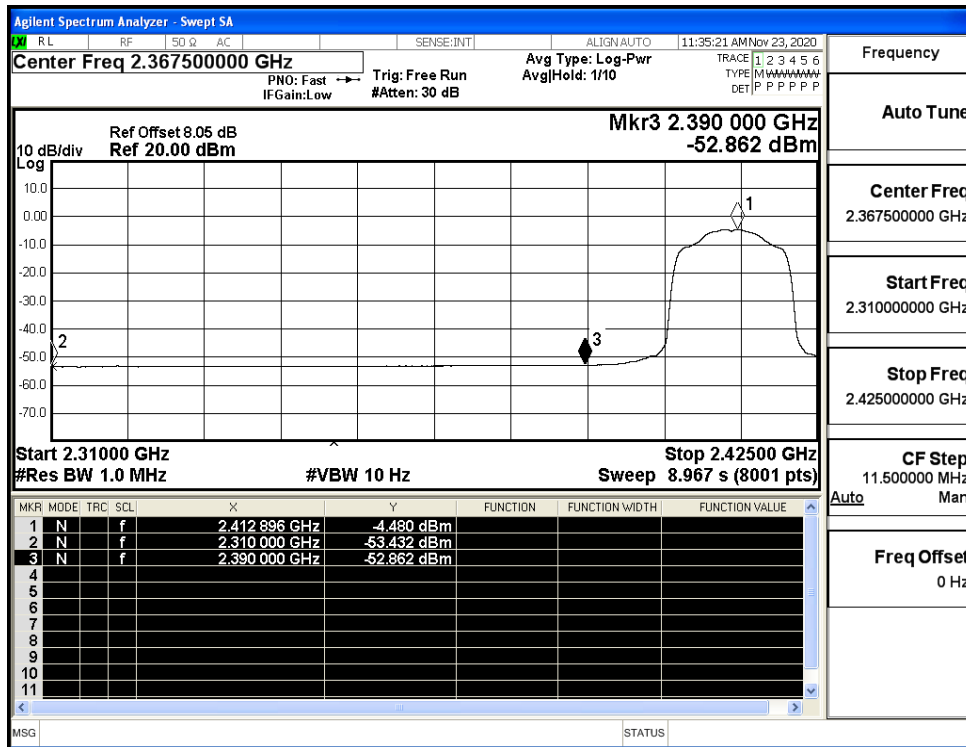
Restrict-band band-edge measurements\_11B\_2462\_Ant1\_AV



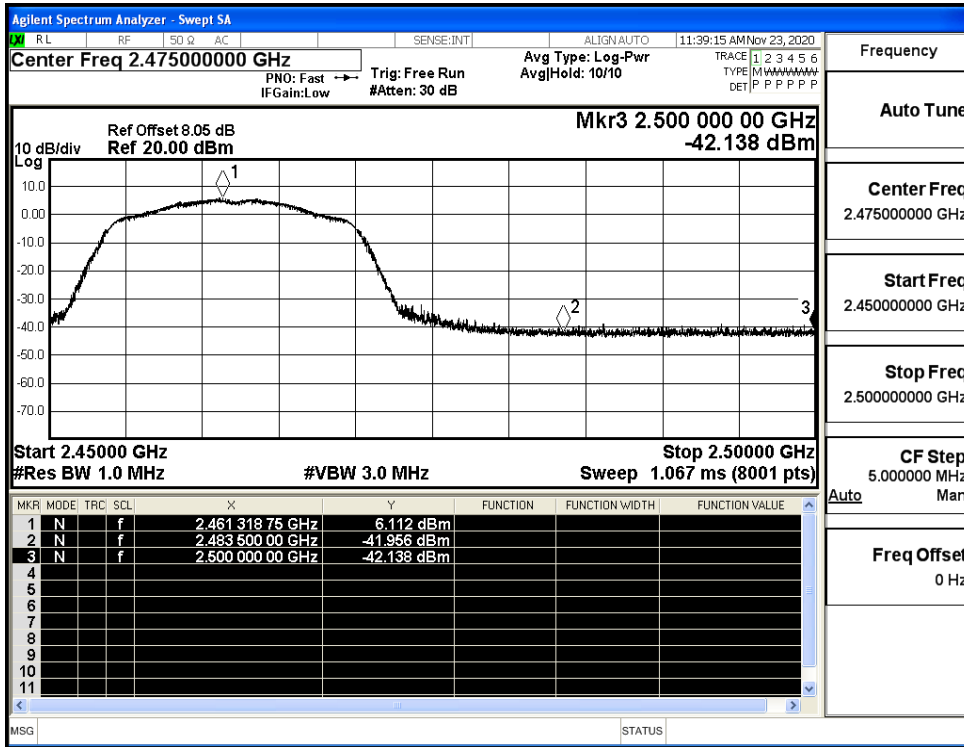
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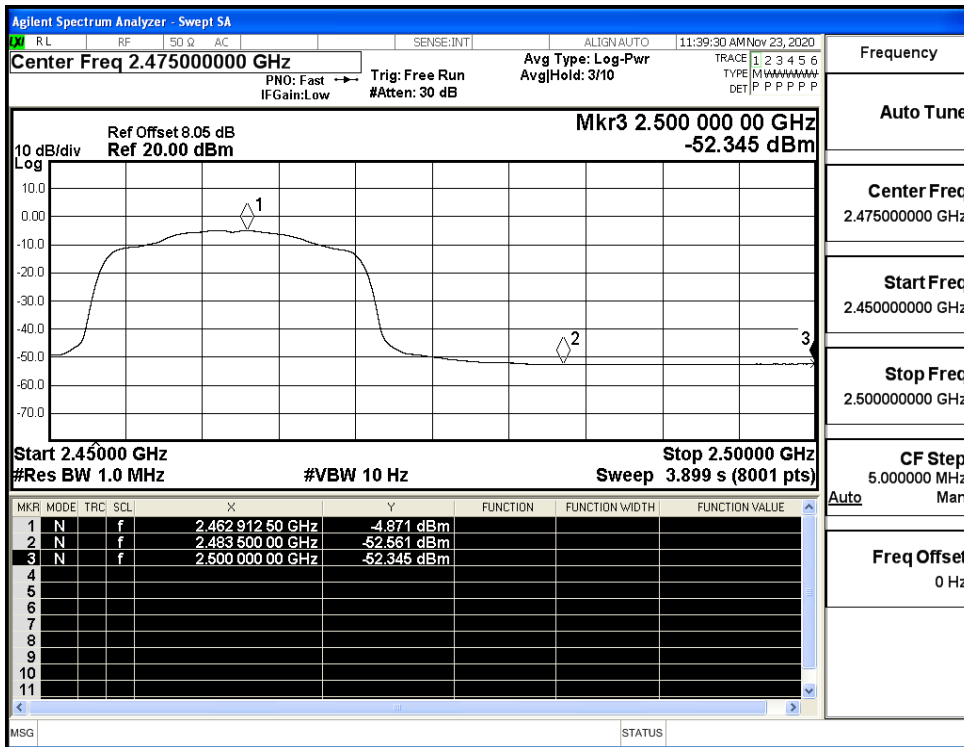
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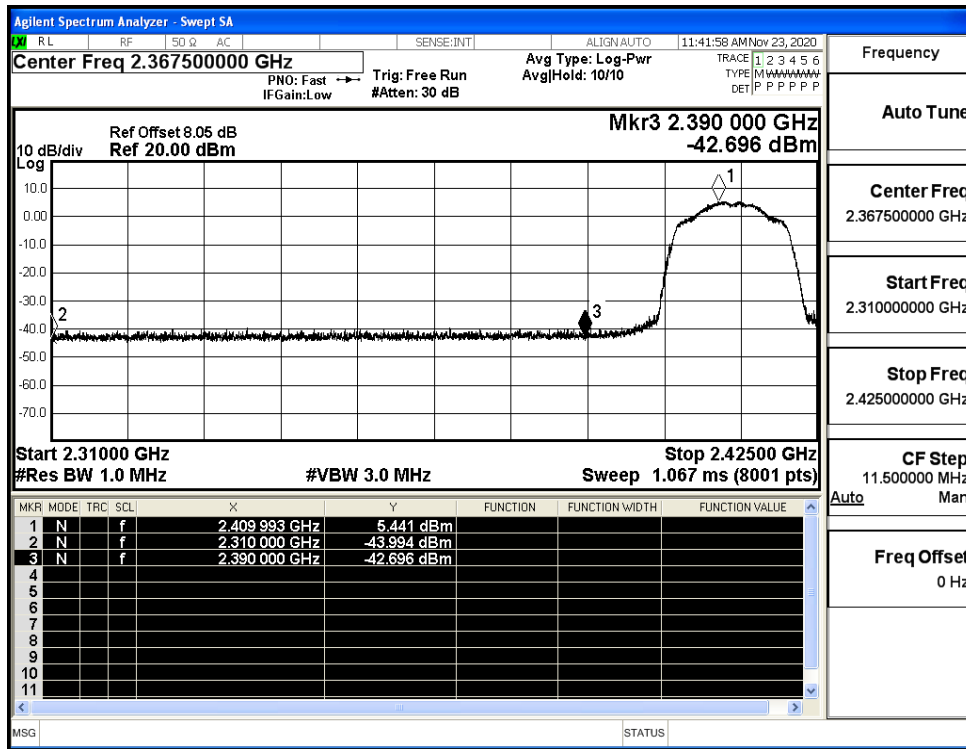


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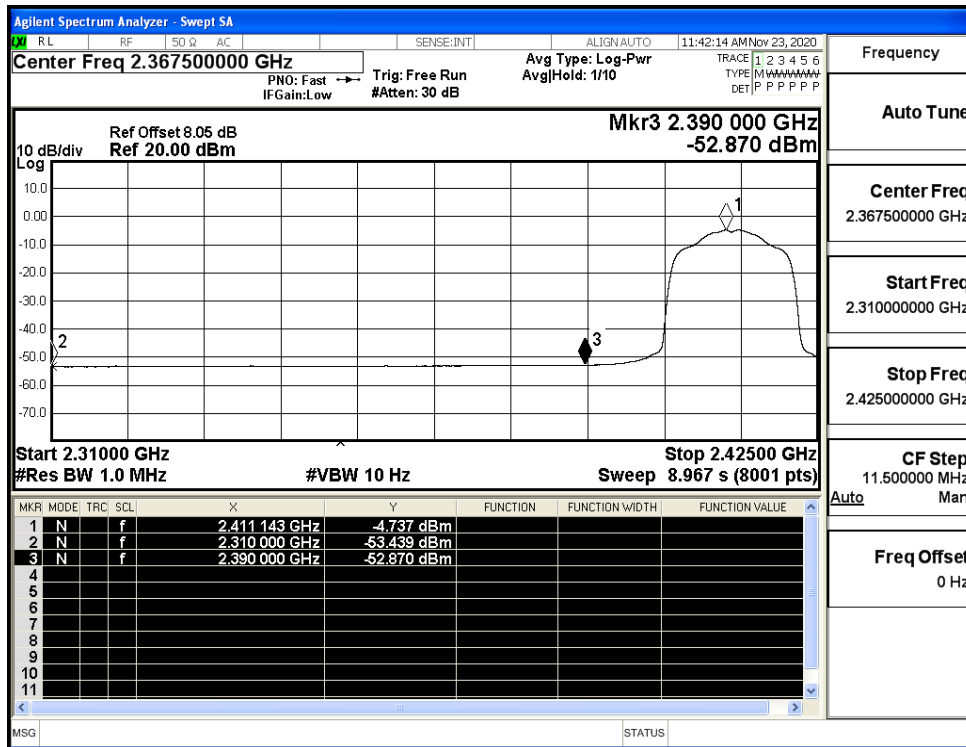




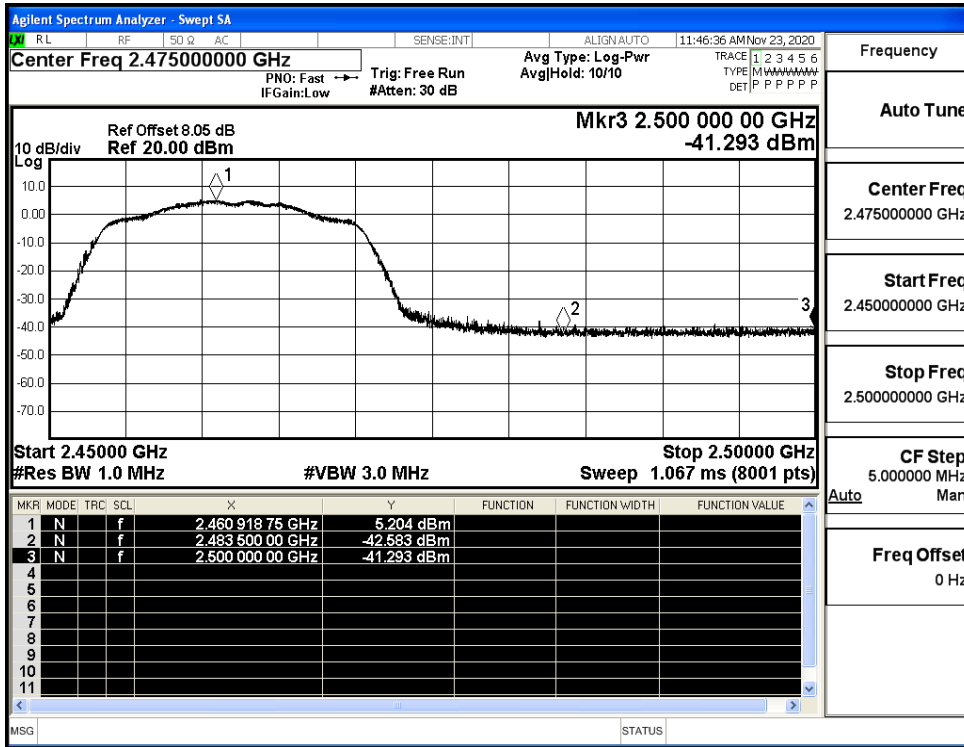
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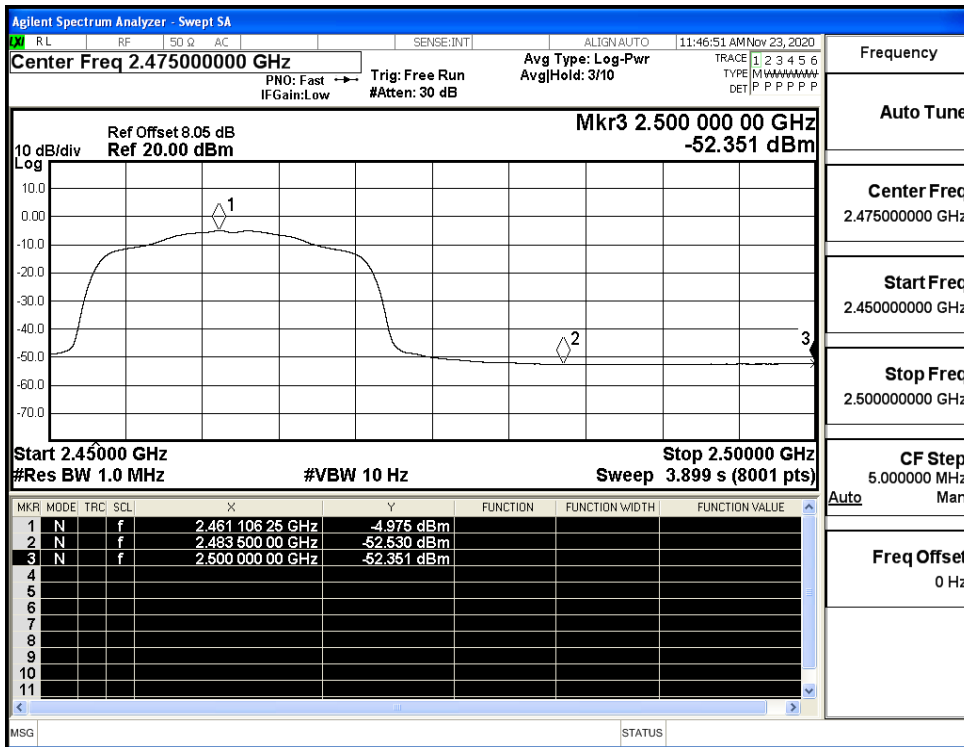
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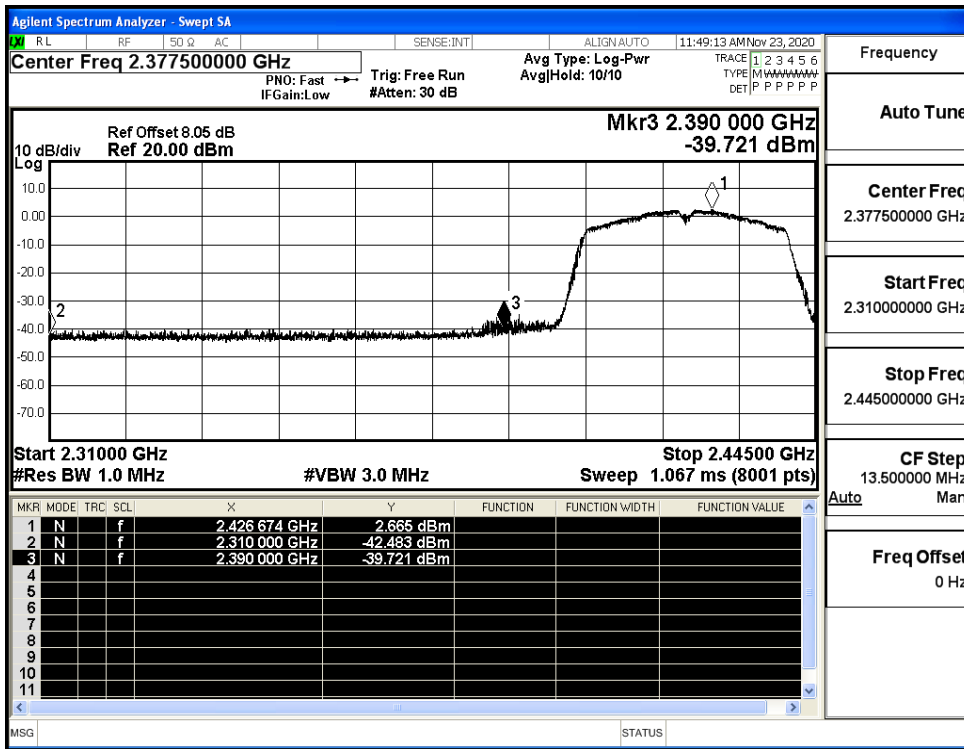
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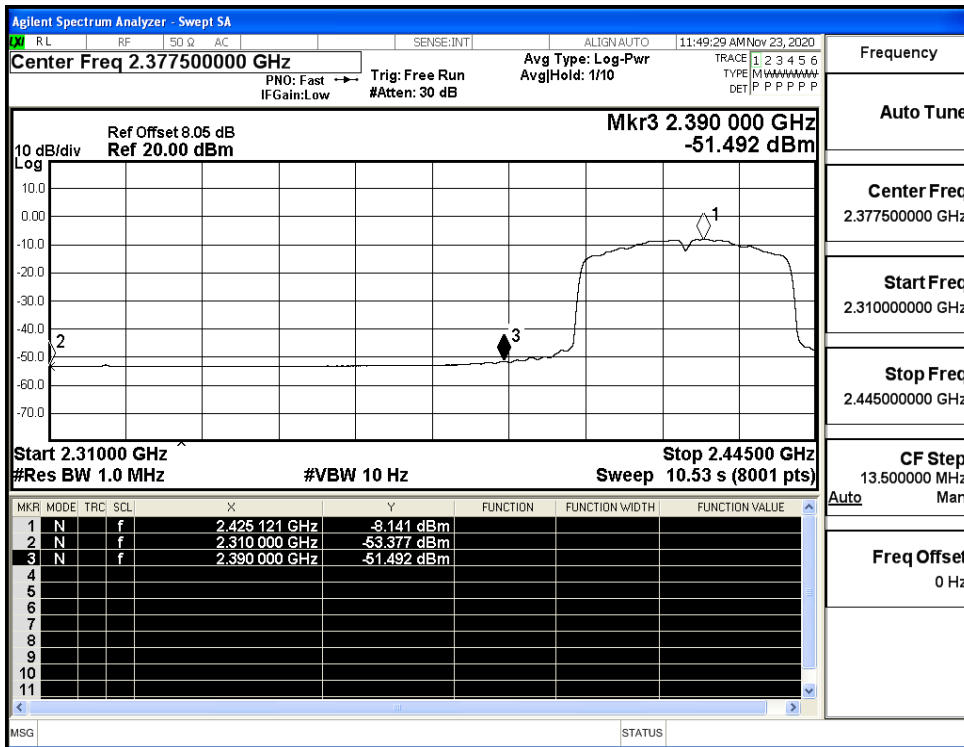
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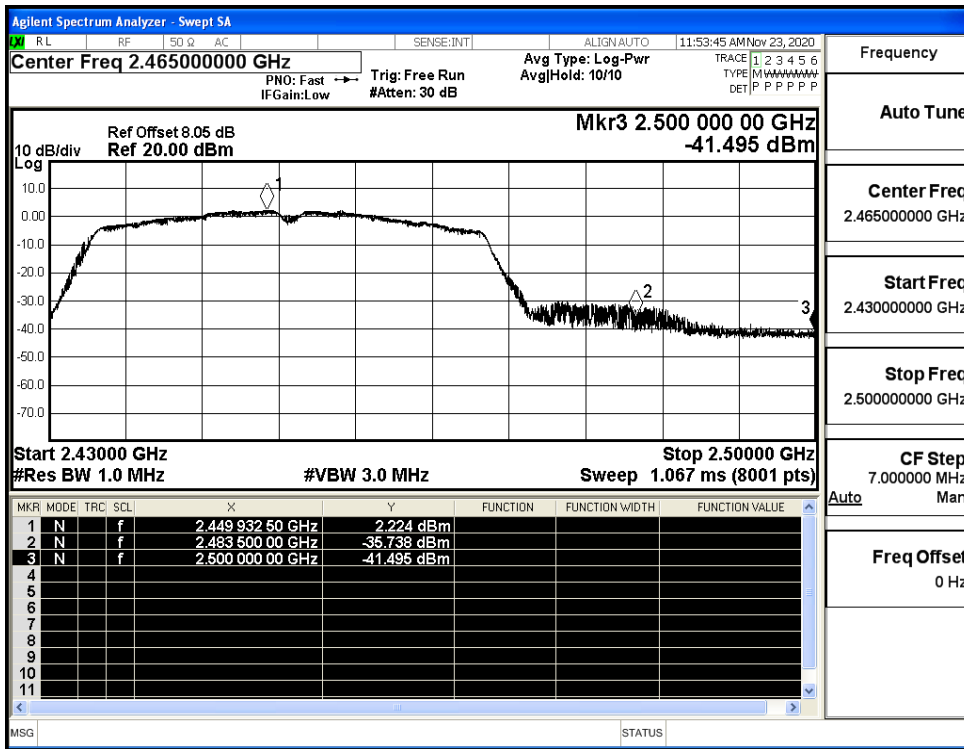
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Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_AV



Restrict-band band-edge measurements\_11N40SISO\_2452\_Ant1\_PEAK



Restrict-band band-edge measurements\_11N40SISO\_2452\_Ant1\_AV

