

**Appendix B**  
**RF Test Data for 2.4G WIFI (Conducted Measurement)**  
**Product Name: TABLET PC**  
**Trade Mark: FUSION5**  
**Test Model: FWIN232 PLUS S2**

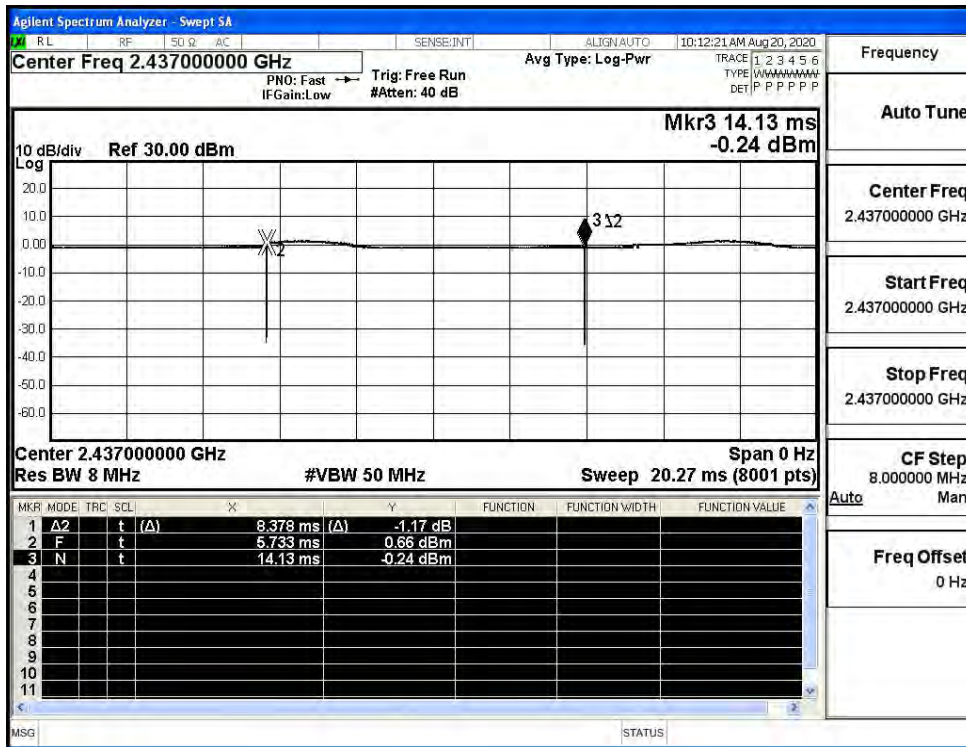
**Environmental Conditions**

Temperature:	23.6 ° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Kar Hu
Supervised by:	Li Huan

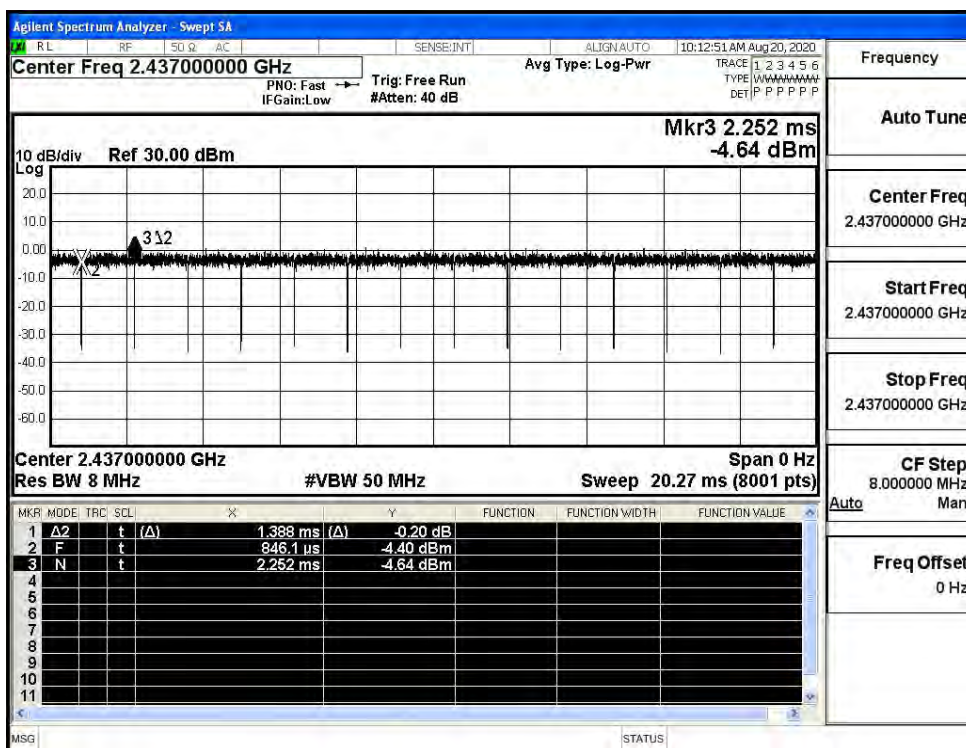
**B.1 Duty Cycle**

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	99.76	PASS
11G	2437	Ant1	98.74	PASS
11N20SISO	2437	Ant1	98.65	PASS
11N40SISO	2437	Ant1	98.07	PASS

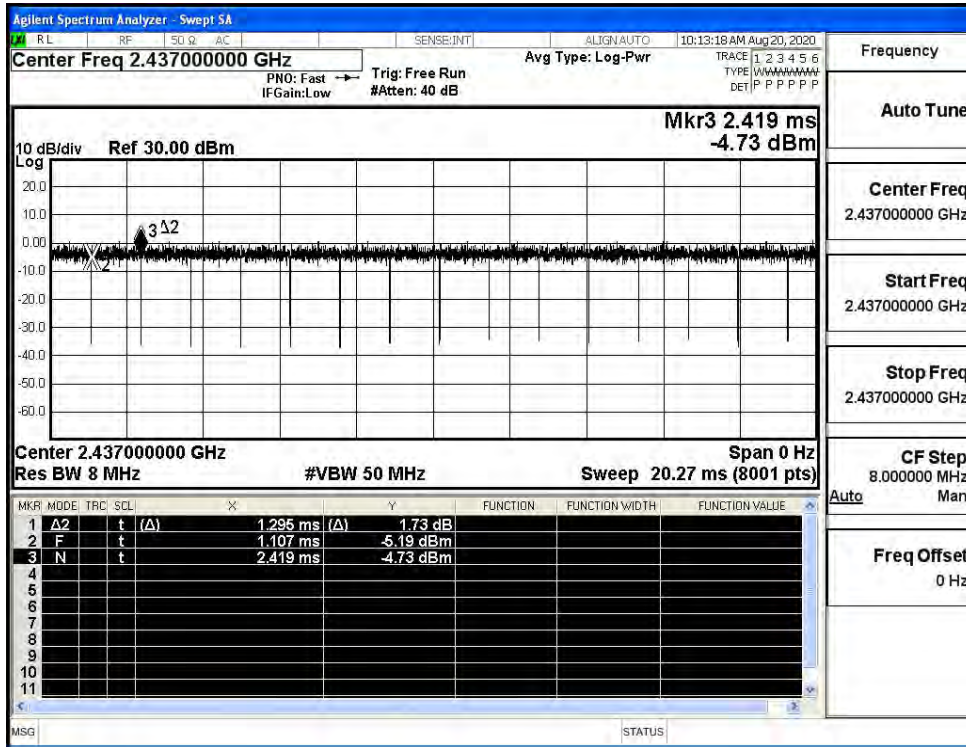
Duty Cycle\_11B\_2437\_Ant1



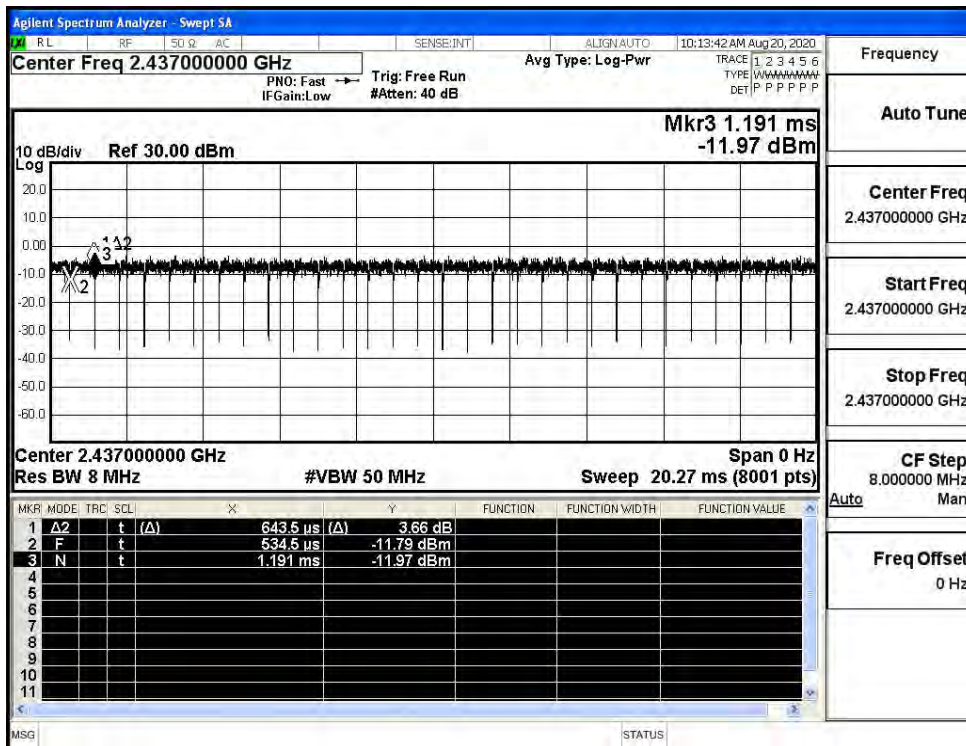
Duty Cycle\_11G\_2437\_Ant1



Duty Cycle\_11N20SISO\_2437\_Ant1



Duty Cycle\_11N40SISO\_2437\_Ant1

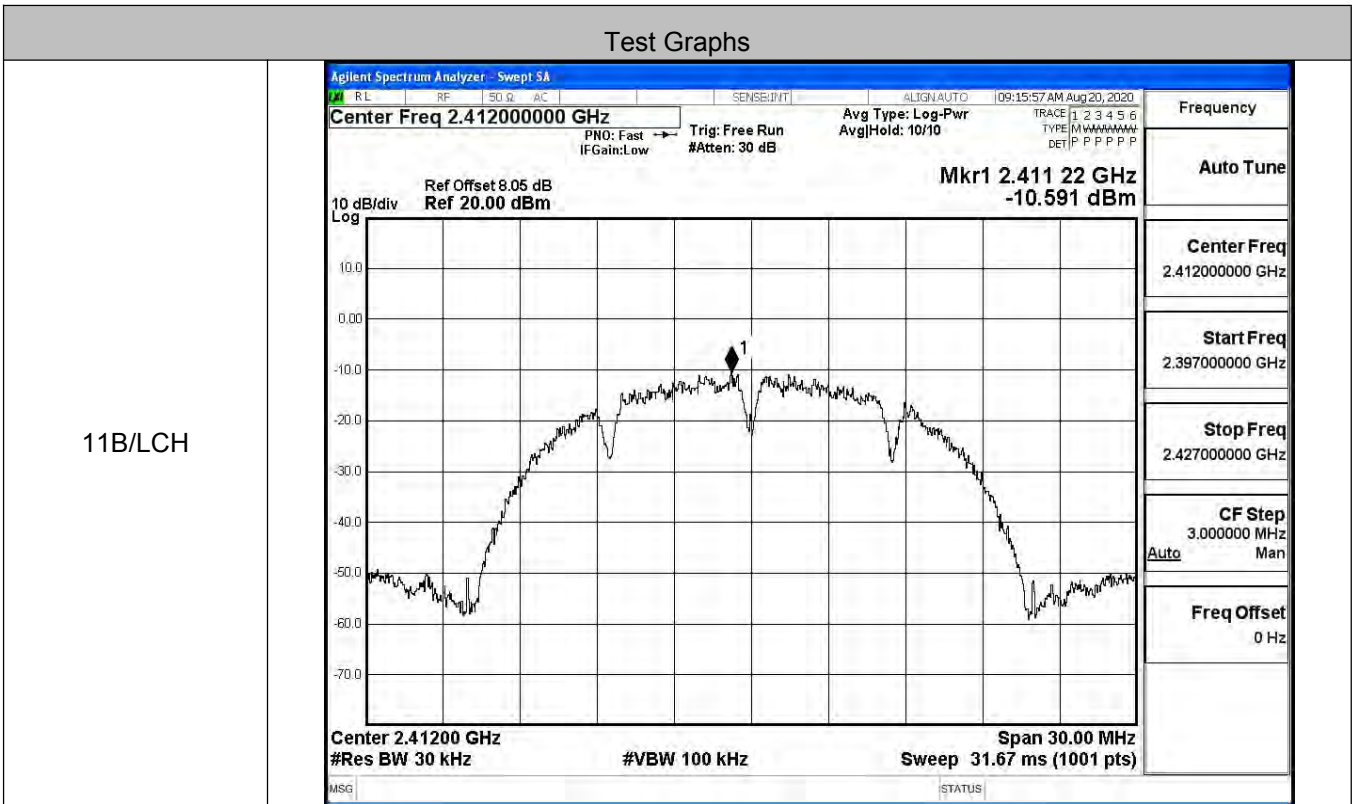


## B.2 Maximum Conducted Output Power

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	6.52	30	PASS
	MCH	6.37	30	PASS
	HCH	5.33	30	PASS
11G	LCH	6.17	30	PASS
	MCH	6.13	30	PASS
	HCH	5.24	30	PASS
11N20SISO	LCH	6.24	30	PASS
	MCH	6.17	30	PASS
	HCH	4.45	30	PASS
11N40SISO	LCH	6.84	30	PASS
	MCH	6.48	30	PASS
	HCH	5.7	30	PASS

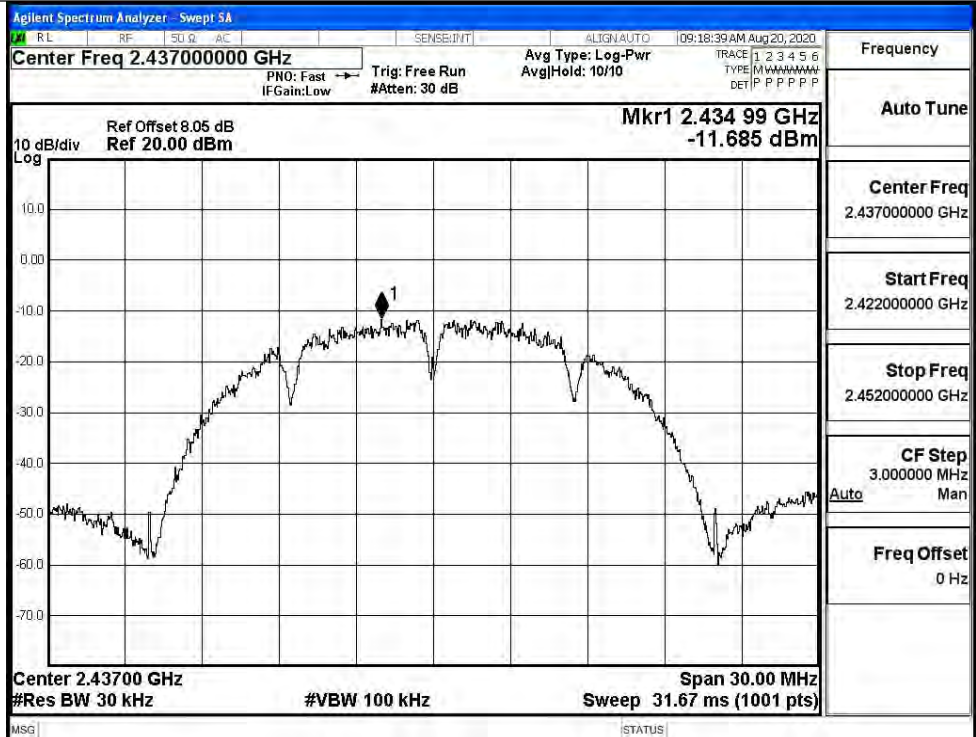
### B.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-20.591	8	PASS
	MCH	-21.685	8	PASS
	HCH	-22.265	8	PASS
11G	LCH	-26.967	8	PASS
	MCH	-26.937	8	PASS
	HCH	-27.919	8	PASS
11N20SISO	LCH	-26.921	8	PASS
	MCH	-27.452	8	PASS
	HCH	-29.456	8	PASS
11N40SISO	LCH	-30.058	8	PASS
	MCH	-29.276	8	PASS
	HCH	-29.983	8	PASS

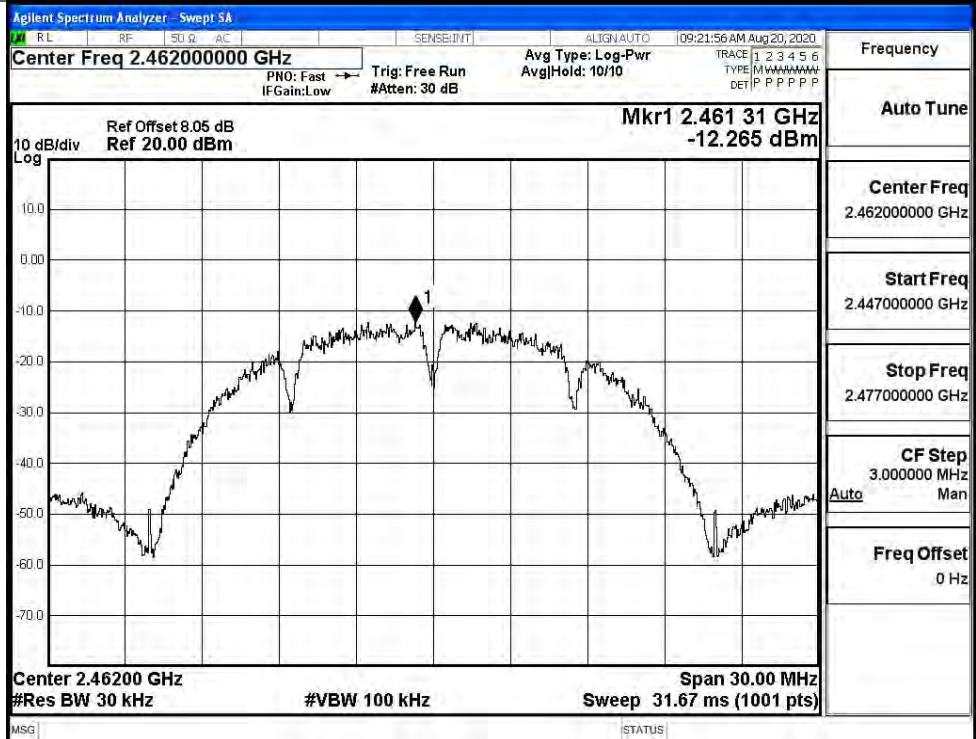




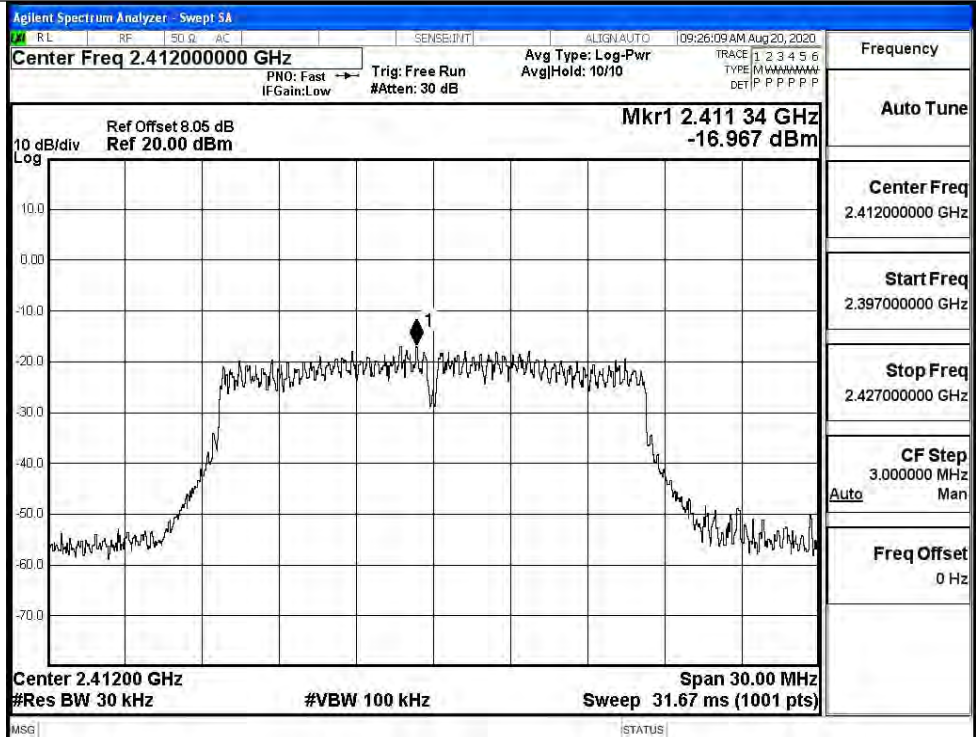
11B/MCH



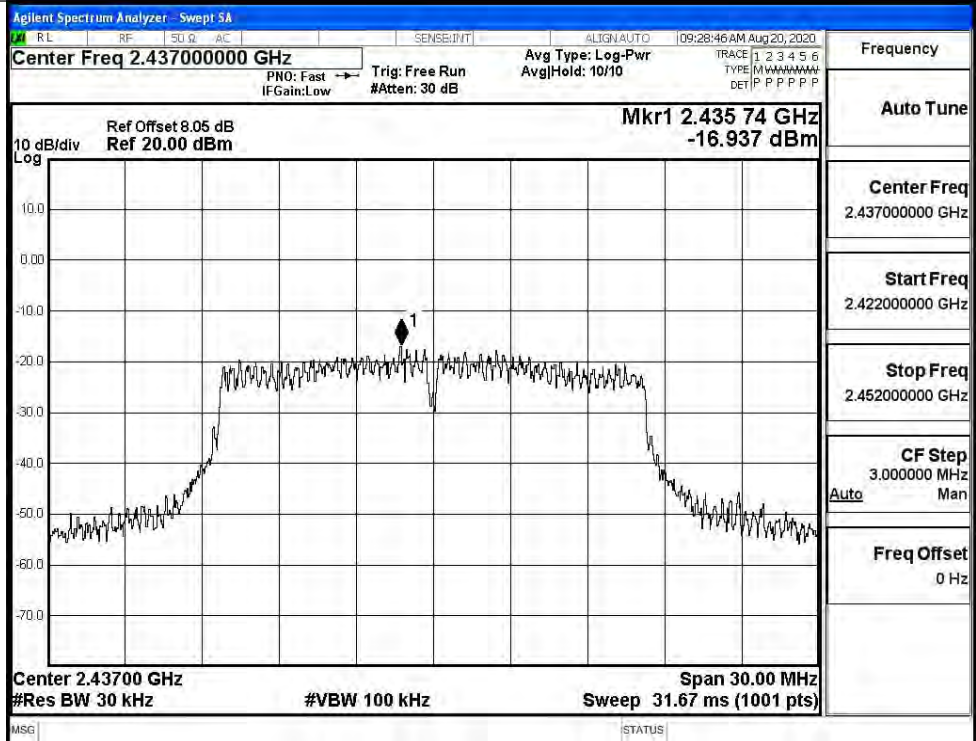
11B/HCH



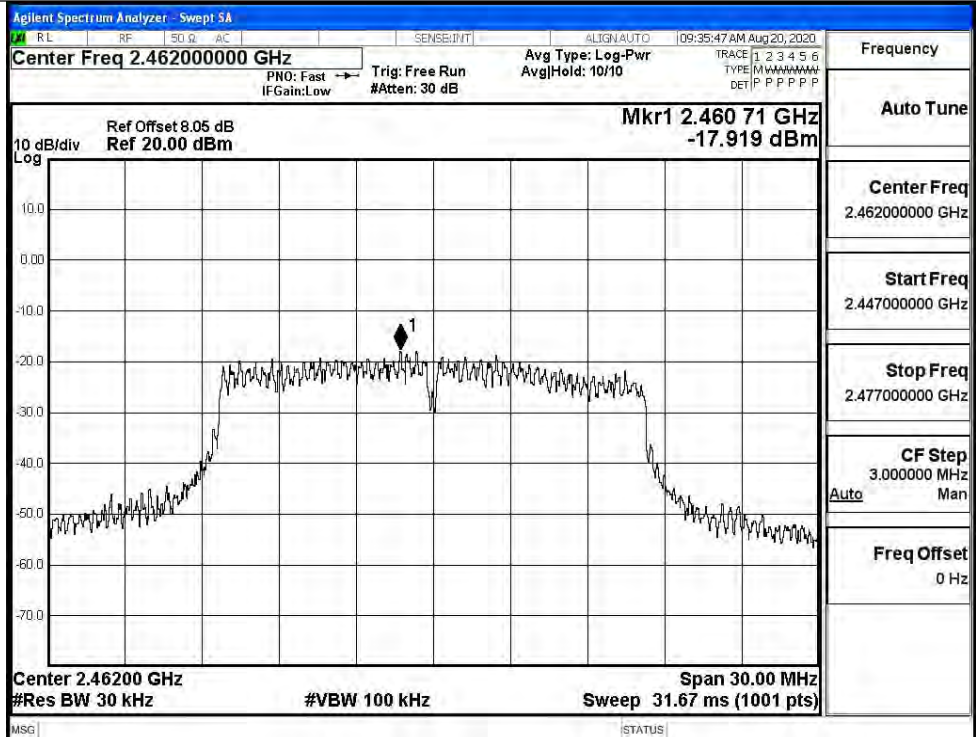
11G/LCH



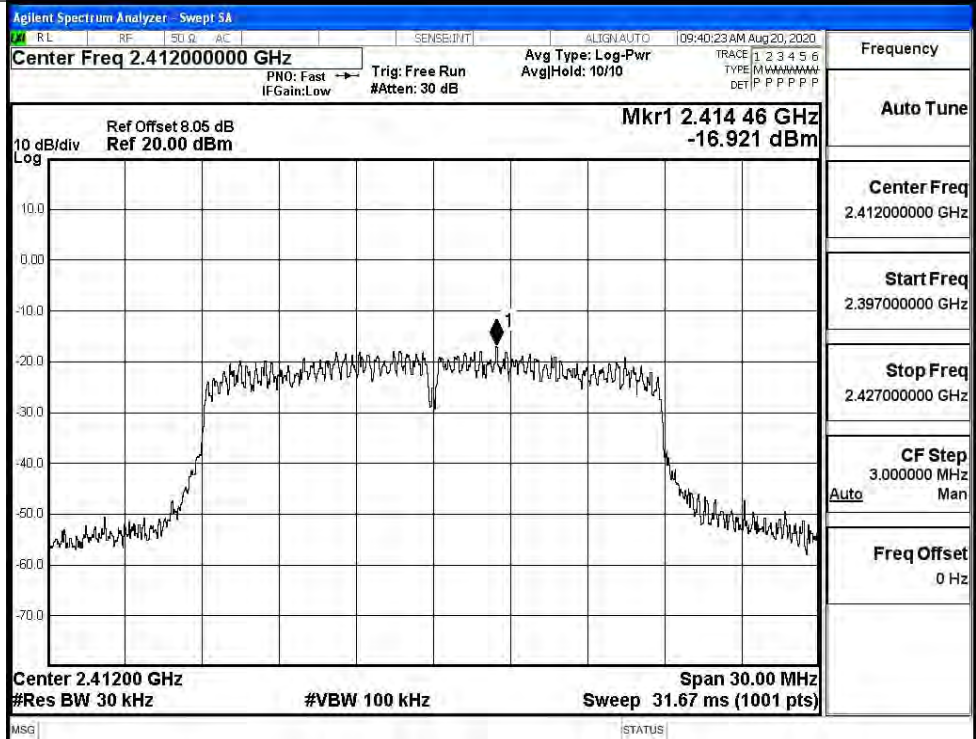
11G/MCH



11G/HCH

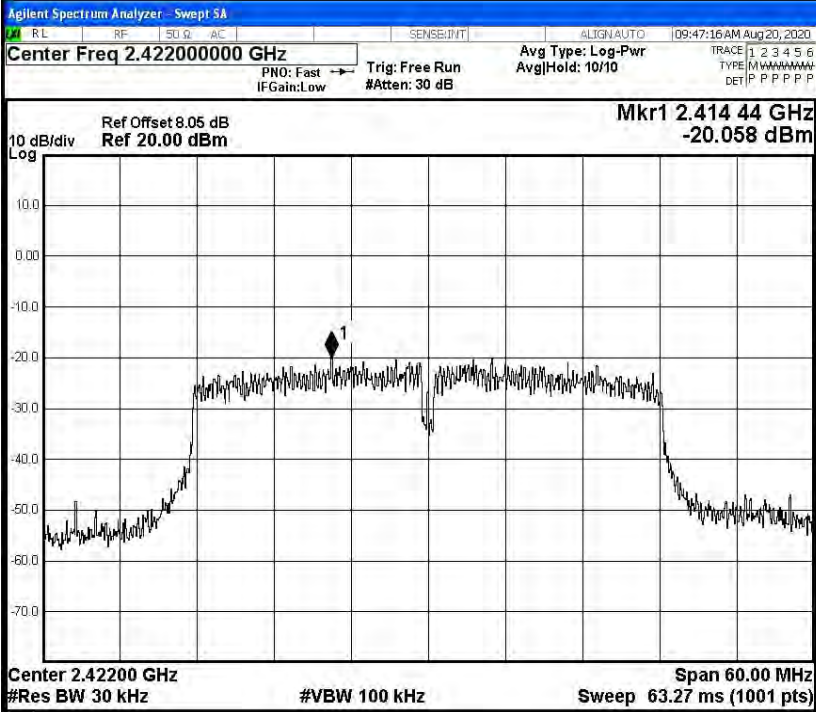
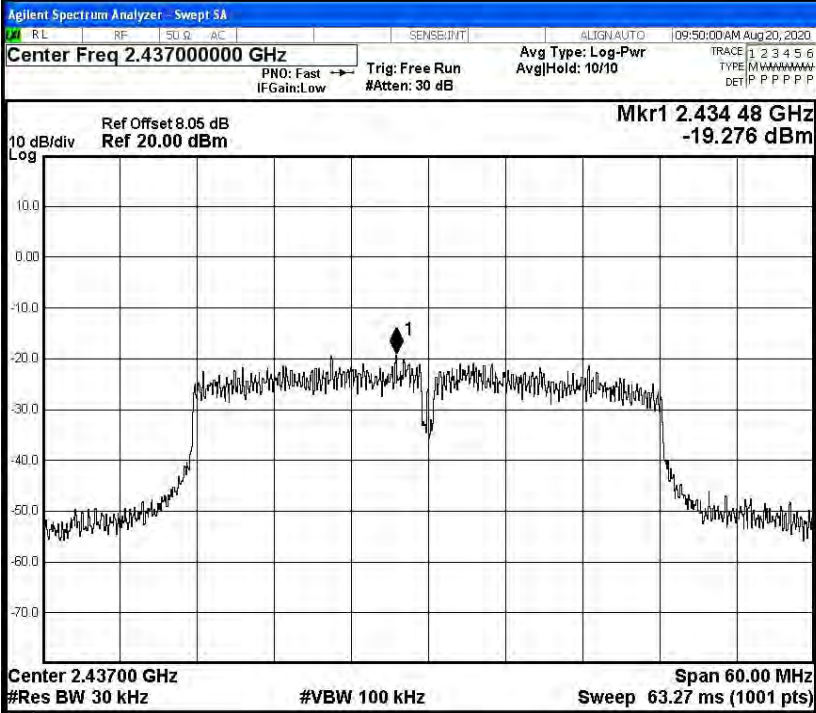


11N20SISO/LCH

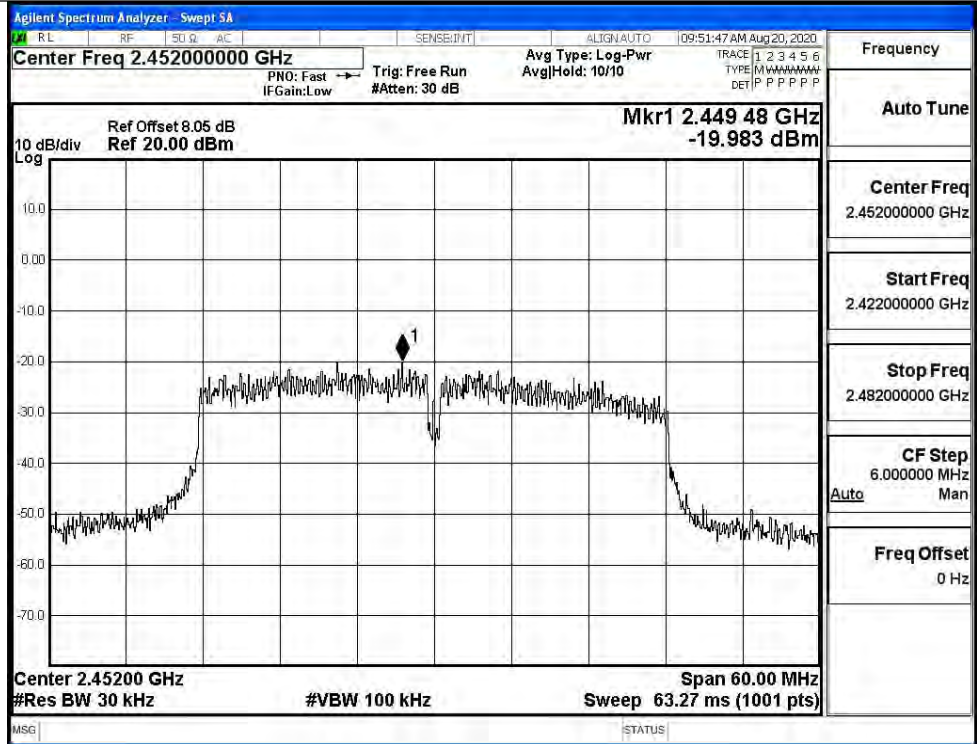




<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.43700000 GHz</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr1 2.439 46 GHz -17.452 dBm</p> <p>10 dB/div Log</p> <p>Center 2.43700 GHz #Res BW 30 kHz</p> <p>#VBW 100 kHz</p> <p>Span 30.00 MHz Sweep 31.67 ms (1001 pts)</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 2.462000000 GHz</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr1 2.458 22 GHz -19.456 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>

<p>11N40SISO/LCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.42200000 GHz</p> <p>Mkr1 2.414 44 GHz -20.058 dBm</p> <p>10 dB/div Log</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.4220 GHz #Res BW 30 kHz</p> <p>#VBW 100 kHz</p> <p>Span 60.00 MHz Sweep 63.27 ms (1001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.42200000 GHz</p> <p>Start Freq 2.392000000 GHz</p> <p>Stop Freq 2.452000000 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>Mkr1 2.434 48 GHz -19.276 dBm</p> <p>10 dB/div Log</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.43700 GHz #Res BW 30 kHz</p> <p>#VBW 100 kHz</p> <p>Span 60.00 MHz Sweep 63.27 ms (1001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.407000000 GHz</p> <p>Stop Freq 2.467000000 GHz</p> <p>CF Step 6.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>

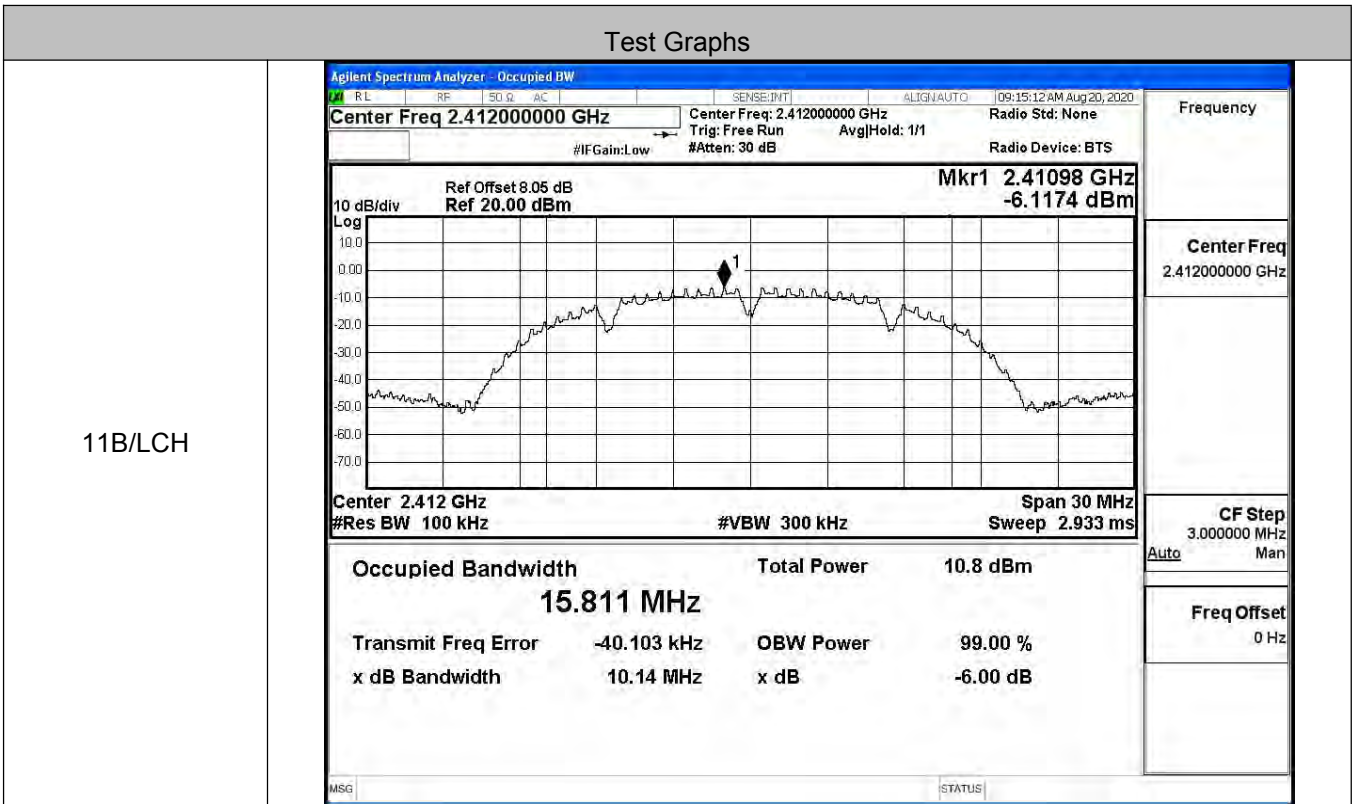
11N40SISO/HCH



**B.4 6dB Bandwidth**

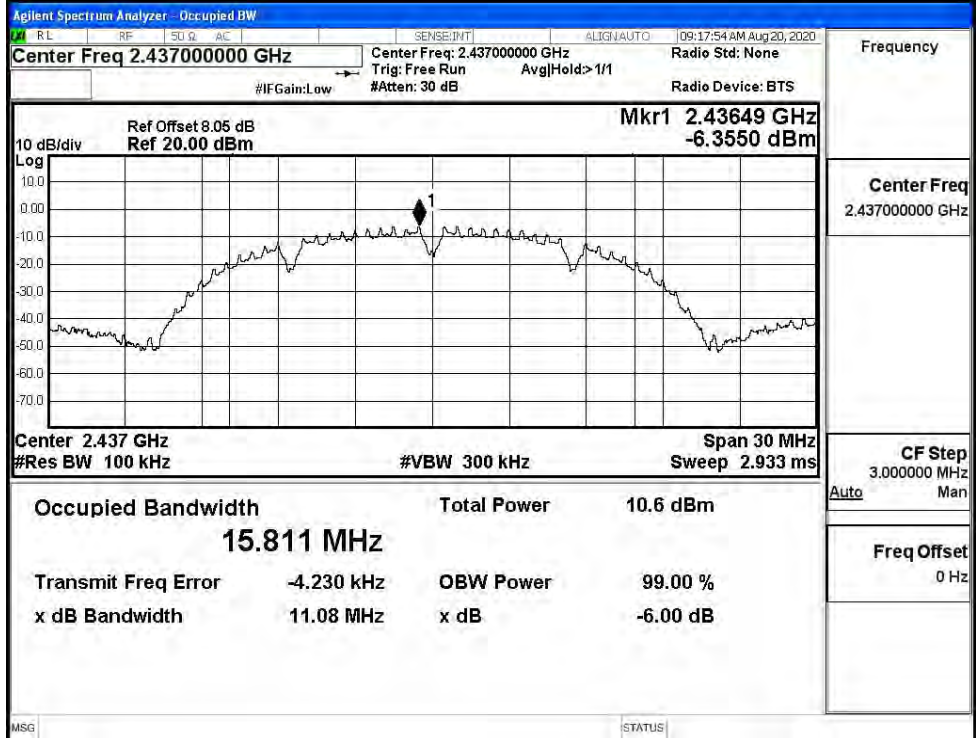
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.14	≥0.5	PASS
	MCH	11.08	≥0.5	PASS
	HCH	11.07	≥0.5	PASS
11G	LCH	15.34	≥0.5	PASS
	MCH	15.16	≥0.5	PASS
	HCH	15.73	≥0.5	PASS
11N20SISO	LCH	15.50	≥0.5	PASS
	MCH	15.47	≥0.5	PASS
	HCH	16.37	≥0.5	PASS
11N40SISO	LCH	35.21	≥0.5	PASS
	MCH	35.36	≥0.5	PASS
	HCH	35.41	≥0.5	PASS

**Test Graphs**





11B/MCH



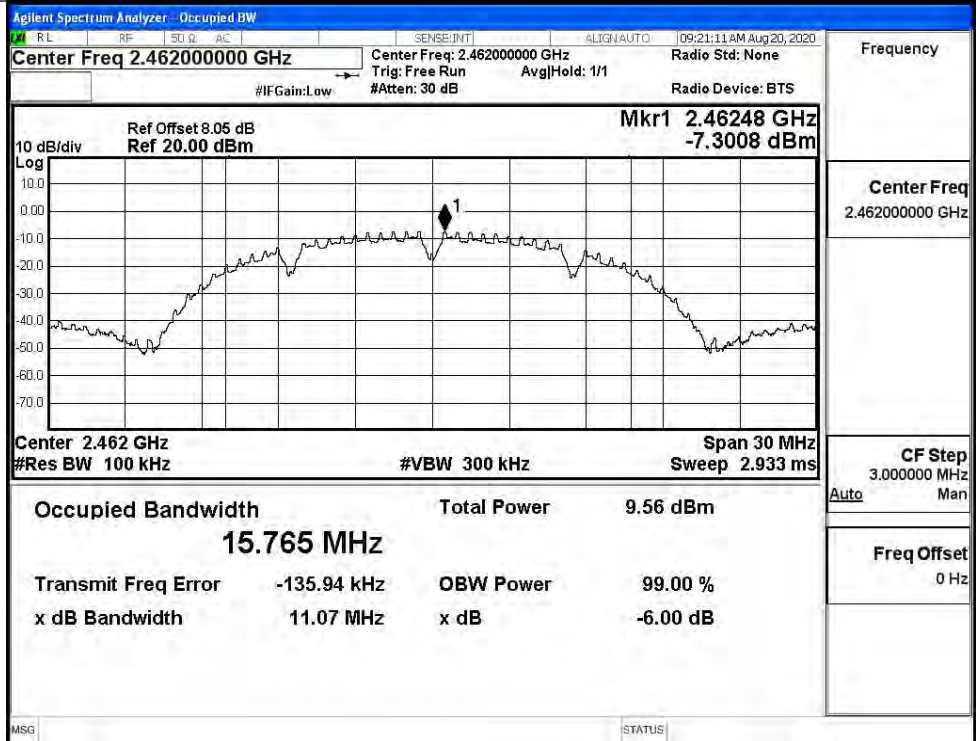
Frequency

Center Freq  
2.43700000 GHz

CF Step  
3.000000 MHz  
Auto Man

Freq Offset  
0 Hz

11B/HCH



Frequency

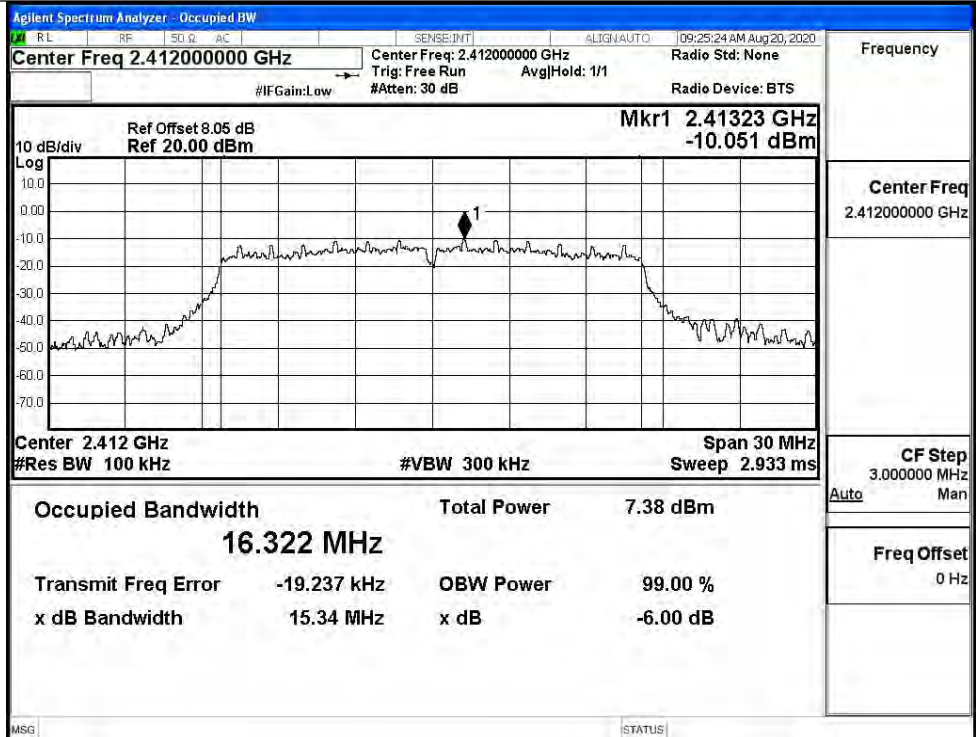
Center Freq  
2.46200000 GHz

CF Step  
3.000000 MHz  
Auto Man

Freq Offset  
0 Hz



11G/LCH



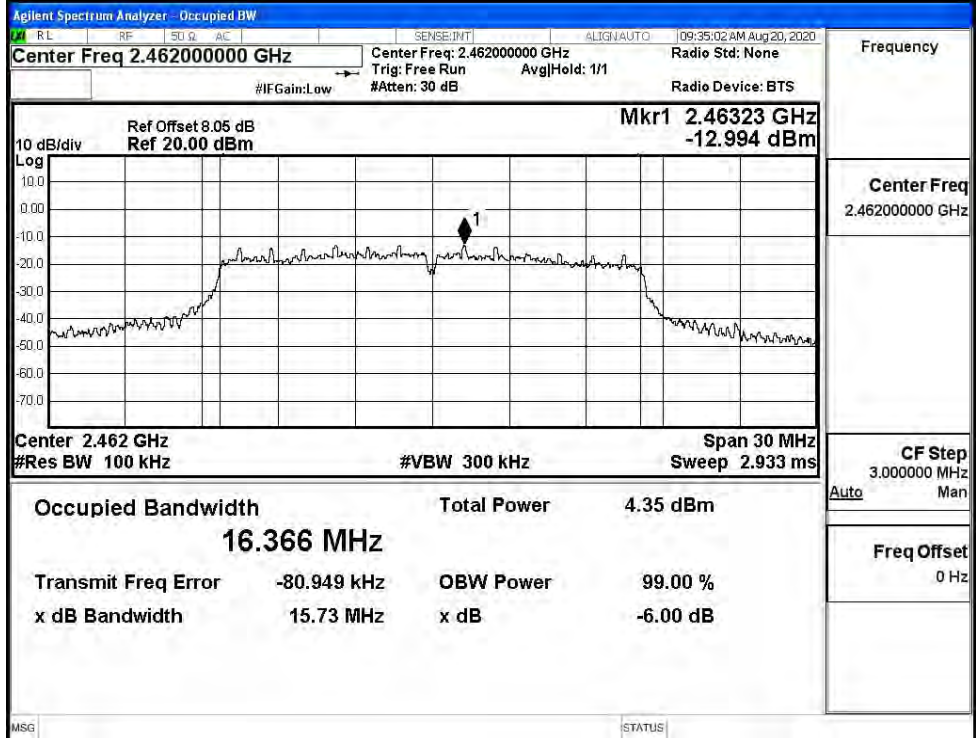
Frequency	2.41200000 GHz
Center Freq	2.41200000 GHz
CF Step	3.000000 MHz
Auto Man	Auto
Freq Offset	0 Hz

11G/MCH



Frequency	2.43700000 GHz
Center Freq	2.43700000 GHz
CF Step	3.000000 MHz
Auto Man	Auto
Freq Offset	0 Hz

11G/HCH



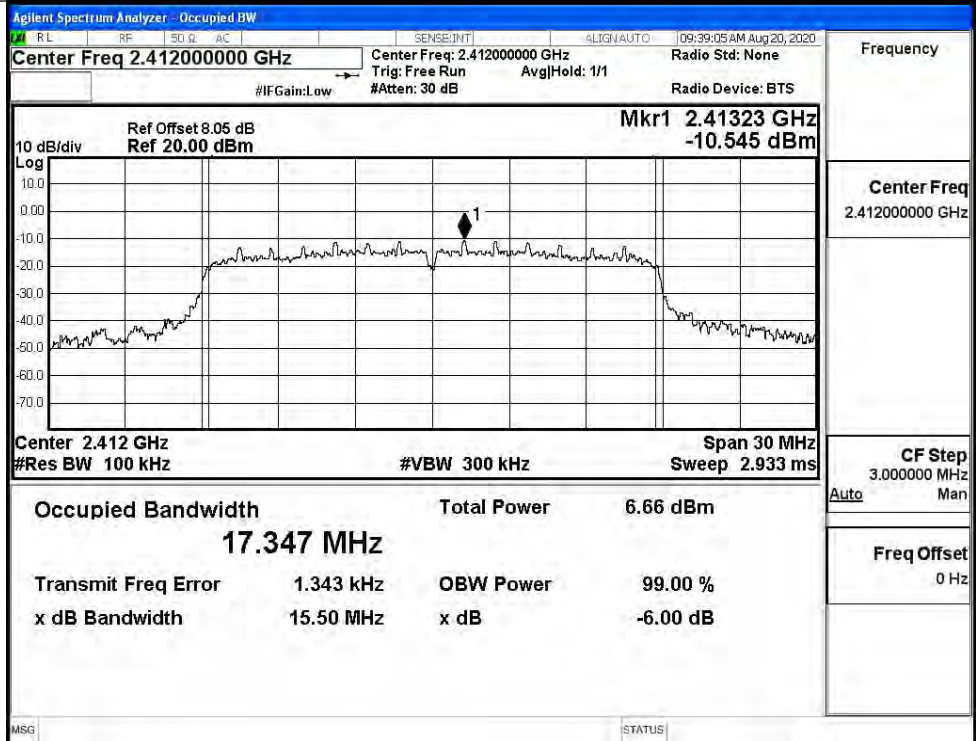
Frequency

Center Freq  
2.46200000 GHz

CF Step  
3.000000 MHz  
Auto Man

Freq Offset  
0 Hz

11N20SISO/LCH



Frequency

Center Freq  
2.41200000 GHz

CF Step  
3.000000 MHz  
Auto Man

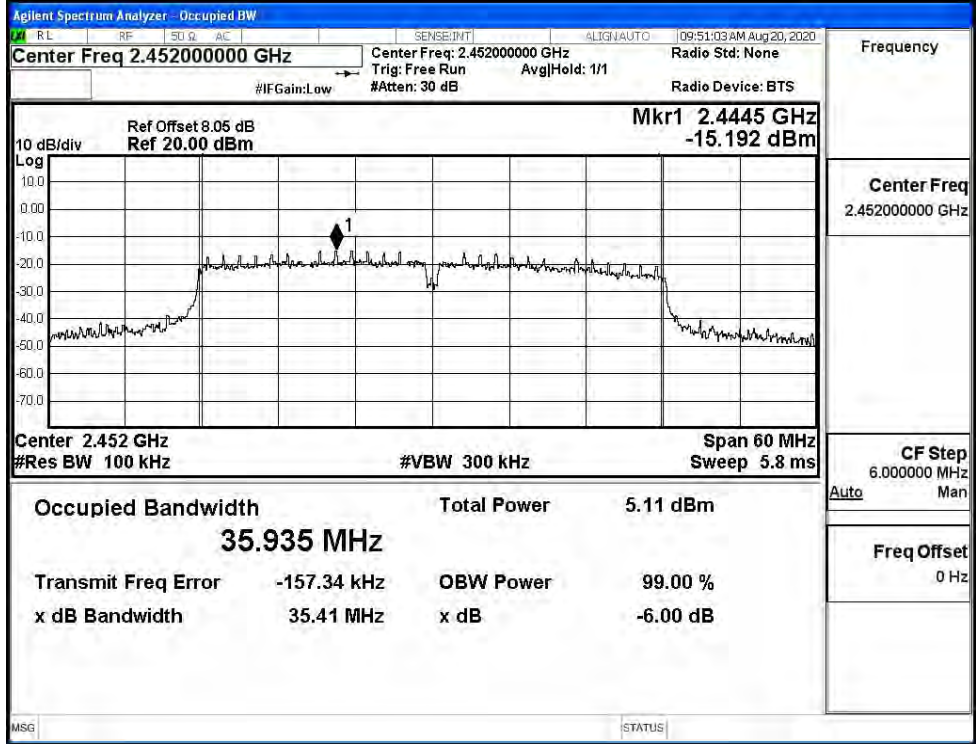
Freq Offset  
0 Hz

<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Center Freq: 2.43700000 GHz</p> <p>Radio Std: None</p> <p>Trig: Free Run</p> <p>Avg Hold: &gt;1/1</p> <p>#IF Gain: Low</p> <p>#Atten: 30 dB</p> <p>Radio Device: BTS</p> <p>Ref Offset 8.05 dB</p> <p>Ref 20.00 dBm</p> <p>Mkr1 2.43823 GHz</p> <p>-11.425 dBm</p> <p>10 dB/div</p> <p>Log</p> <p>Center 2.437 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 30 MHz</p> <p>Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.451 MHz</p> <p>Total Power 5.67 dBm</p> <p>Transmit Freq Error -38.249 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 15.47 MHz</p> <p>x dB -6.00 dB</p> <p>MSG STATUS</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>11N20SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.46200000 GHz</p> <p>Center Freq: 2.46200000 GHz</p> <p>Radio Std: None</p> <p>Trig: Free Run</p> <p>Avg Hold: 1/1</p> <p>#IF Gain: Low</p> <p>#Atten: 30 dB</p> <p>Radio Device: BTS</p> <p>Ref Offset 8.05 dB</p> <p>Ref 20.00 dBm</p> <p>Mkr1 2.4632 GHz</p> <p>-9.8116 dBm</p> <p>10 dB/div</p> <p>Log</p> <p>Center 2.462 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 30 MHz</p> <p>Sweep 2.933 ms</p> <p>Occupied Bandwidth 21.237 MHz</p> <p>Total Power 7.84 dBm</p> <p>Transmit Freq Error -1.3584 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 16.37 MHz</p> <p>x dB -6.00 dB</p> <p>MSG STATUS</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>



<p>11N40SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.42200000 GHz</p> <p>Center Freq: 2.42200000 GHz</p> <p>Trig: Free Run</p> <p>#IF Gain: Low</p> <p>#Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 8.05 dB</p> <p>Ref 20.00 dBm</p> <p>Mkr1 2.42452 GHz</p> <p>-14.727 dBm</p> <p>10 dB/div</p> <p>Log</p> <p>Center 2.422 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 60 MHz</p> <p>Sweep 5.8 ms</p> <p>Occupied Bandwidth</p> <p>Total Power</p> <p>6.15 dBm</p> <p>36.015 MHz</p> <p>Transmit Freq Error</p> <p>28.441 kHz</p> <p>OBW Power</p> <p>99.00 %</p> <p>x dB Bandwidth</p> <p>35.21 MHz</p> <p>x dB</p> <p>-6.00 dB</p> <p>MSG</p> <p>STATUS</p>	<p>Frequency</p> <p>Center Freq</p> <p>2.42200000 GHz</p> <p>CF Step</p> <p>6.000000 MHz</p> <p>Auto</p> <p>Man</p> <p>Freq Offset</p> <p>0 Hz</p>
<p>11N40SISO/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</p> <p>#IF Gain: Low</p> <p>#Atten: 30 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 8.05 dB</p> <p>Ref 20.00 dBm</p> <p>Mkr1 2.42944 GHz</p> <p>-14.839 dBm</p> <p>10 dB/div</p> <p>Log</p> <p>Center 2.437 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 60 MHz</p> <p>Sweep 5.8 ms</p> <p>Occupied Bandwidth</p> <p>Total Power</p> <p>5.80 dBm</p> <p>36.039 MHz</p> <p>Transmit Freq Error</p> <p>-60.242 kHz</p> <p>OBW Power</p> <p>99.00 %</p> <p>x dB Bandwidth</p> <p>35.36 MHz</p> <p>x dB</p> <p>-6.00 dB</p> <p>MSG</p> <p>STATUS</p>	<p>Frequency</p> <p>Center Freq</p> <p>2.43700000 GHz</p> <p>CF Step</p> <p>6.000000 MHz</p> <p>Auto</p> <p>Man</p> <p>Freq Offset</p> <p>0 Hz</p>

11N40SISO/HCH





### B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-6.202	-38.063	-26.202	PASS
	MCH	-6.662	-37.043	-26.662	PASS
	HCH	-7.734	-37.141	-27.734	PASS
11G	LCH	-12.752	-37.392	-32.752	PASS
	MCH	-12.621	-38.502	-32.621	PASS
	HCH	-13.208	-37.857	-33.208	PASS
11N20 SISO	LCH	-11.94	-38.213	-31.940	PASS
	MCH	-11.685	-38.032	-31.685	PASS
	HCH	-13.923	-37.857	-33.923	PASS
11N40 SISO	LCH	-14.778	-38.046	-34.778	PASS
	MCH	-14.945	-37.683	-34.945	PASS
	HCH	-15.498	-37.603	-35.498	PASS

11B LCH Graphs

<p>Pref/11B/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.41200000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr1 2.411 485 GHz          -6.202 dBm          10 dB/div          Log          Center 2.41200 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 2.412000000 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/11B/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 13.01500000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr2 25.899 GHz          -38.063 dBm          10 dB/div          Log          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 Man</p> <p>Freq Offset 0 Hz</p>

11B\_MCH\_Graphs

<p>Pref/11B/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.43700000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr1 2.436 470 GHz          -6.662 dBm          10 dB/div          Log          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 Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11B/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 13.01500000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr2 25.403 GHz          -37.043 dBm          10 dB/div          Log          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 Man</p> <p>Freq Offset 0 Hz</p>

11B HCH Graphs

<p>Pref/11B/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.46200000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr1 2.461 470 GHz          -7.734 dBm          10 dB/div          Log          Center 2.46200 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 2.462000000 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/11B/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 13.01500000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr2 24.841 GHz          -37.141 dBm          10 dB/div          Log          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 Man</p> <p>Freq Offset 0 Hz</p>



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>		<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>

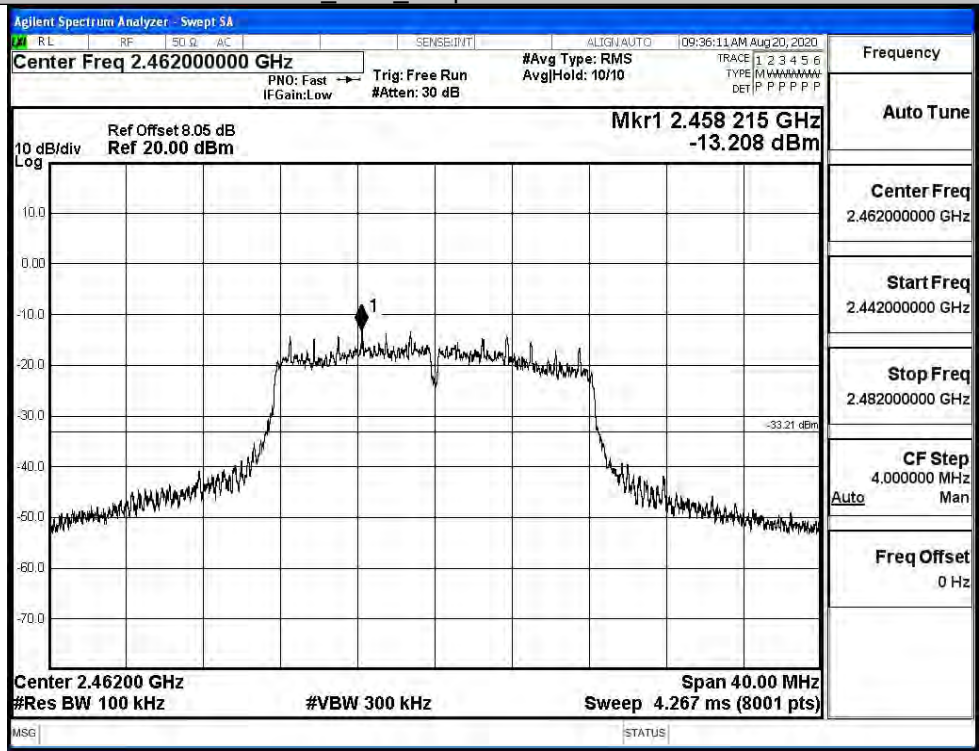


11G MCH Graphs

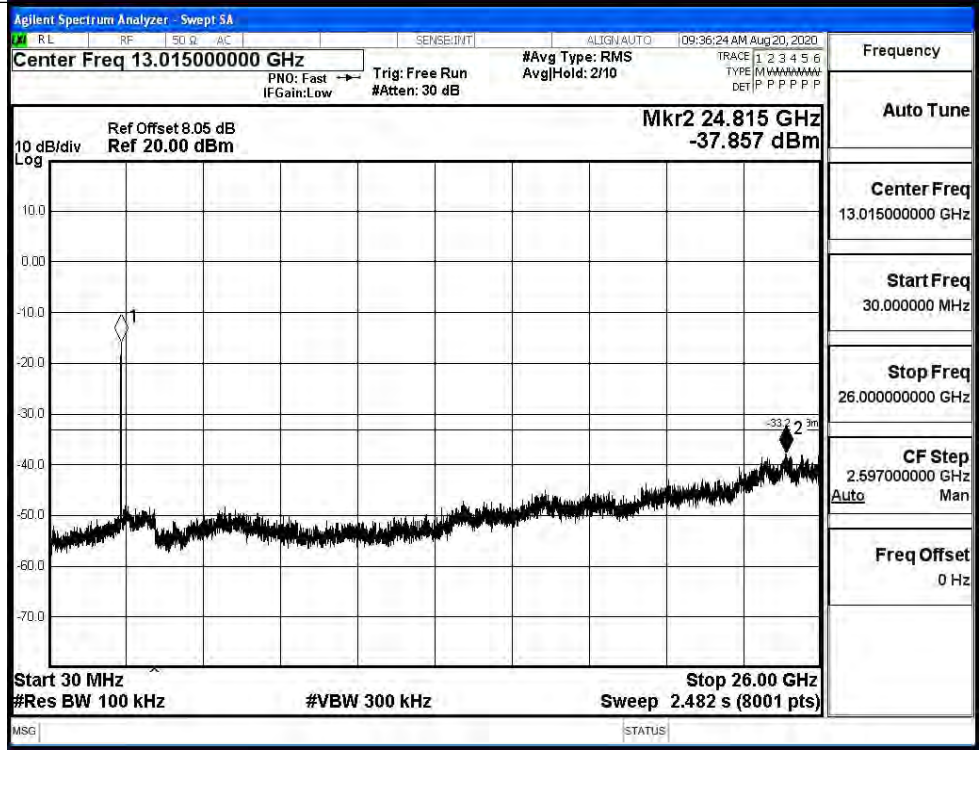
<p>Pref/11G/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.43700000 GHz          #Avg Type: RMS          AvgHold: 10/10          Mkr1 2.439 470 GHz          -12.621 dBm          Ref Offset 8.05 dB          Ref 20.00 dBm          10 dB/div          Log          Center 2.43700 GHz          #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 Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11G/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 13.01500000 GHz          #Avg Type: RMS          AvgHold: 2/10          Mkr2 24.718 GHz          -38.502 dBm          Ref Offset 8.05 dB          Ref 20.00 dBm          10 dB/div          Log          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 Man</p> <p>Freq Offset 0 Hz</p>

11G\_HCH\_Graphs

Pref/11G/HCH

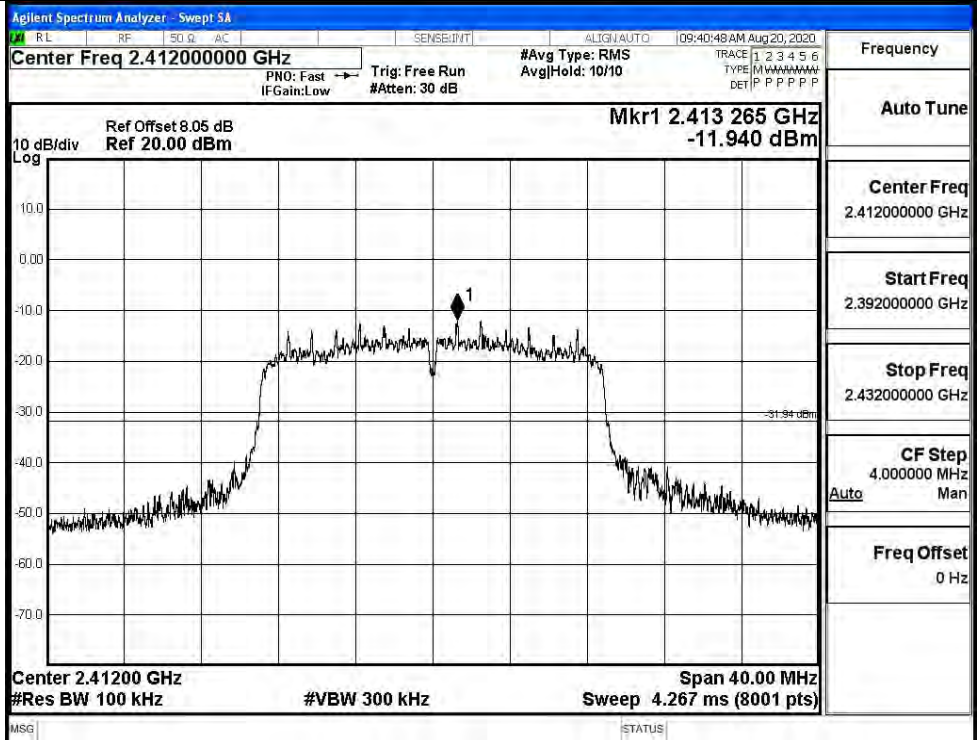


Puw/11G/HCH

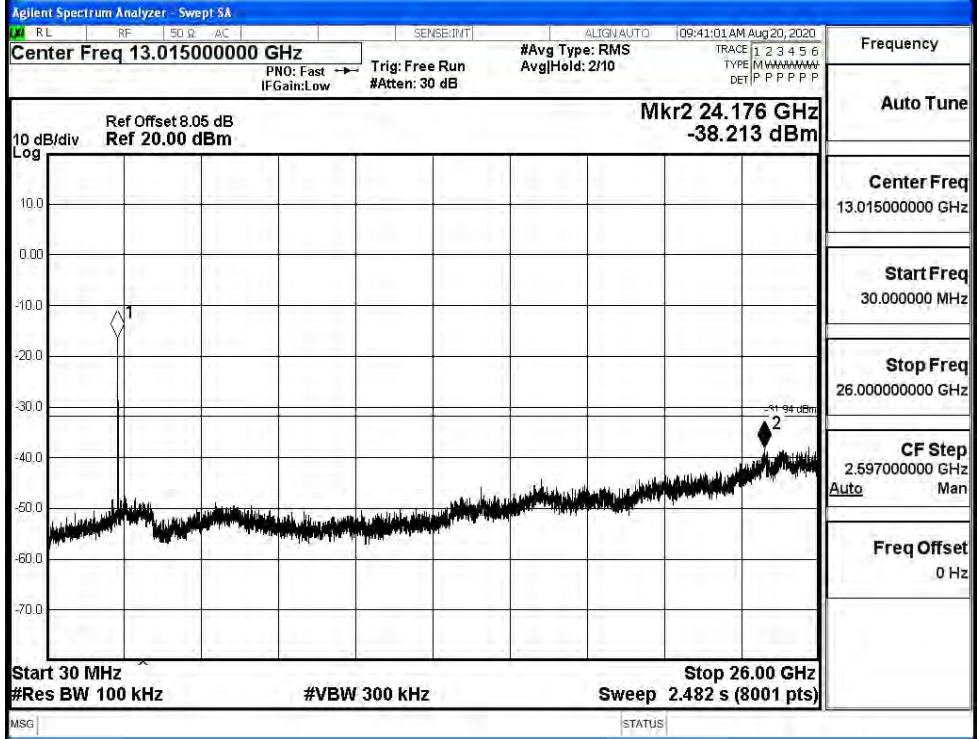


11N20SISO\_LCH\_Graphs

Pref/11N20SIS  
O/LCH



Puw/11N20  
SISO/LCH





11N20SISO\_MCH\_Graphs

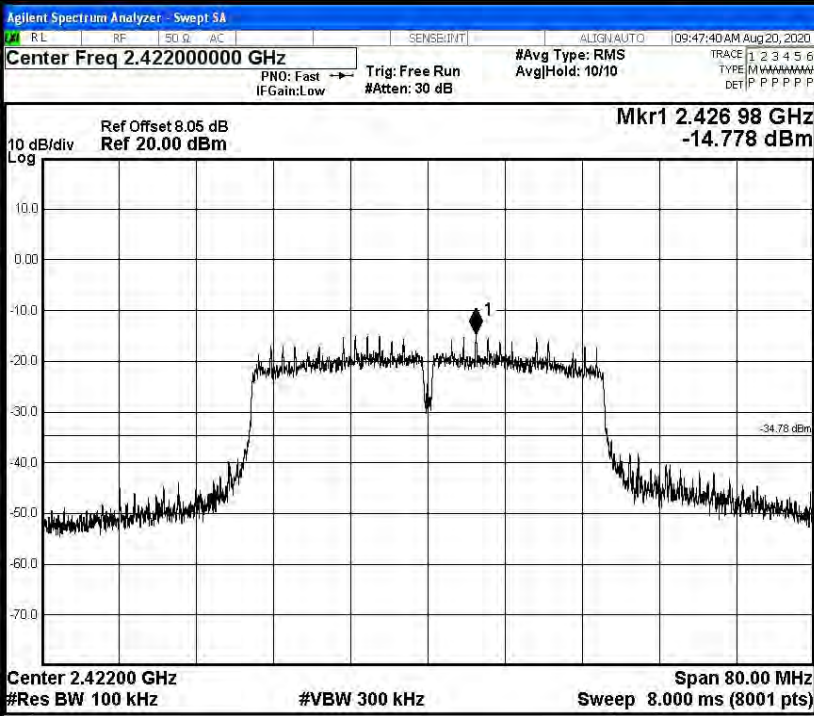
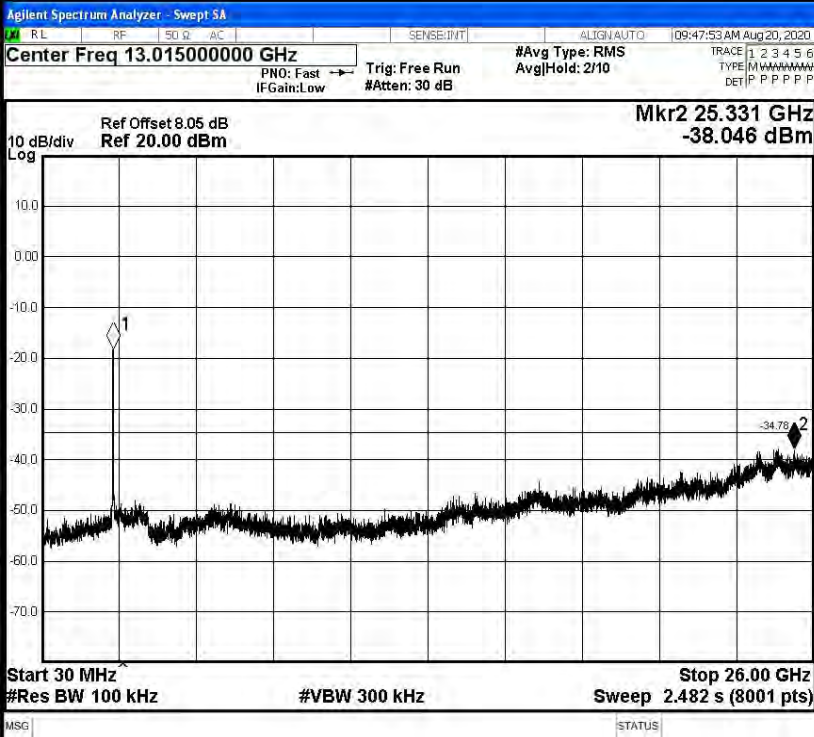
<p>Pref/11N20 SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.43700000 GHz Ref Offset 8.05 dB Ref 20.00 dBm Mkr1 2.438 260 GHz -11.685 dBm 10 dB/div Log Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 40.00 MHz Sweep 4.267 ms (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center 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 Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11N20 SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 13.01500000 GHz Ref Offset 8.05 dB Ref 20.00 dBm Mkr2 24.747 GHz -38.032 dBm 10 dB/div Log 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 Man</p> <p>Freq Offset 0 Hz</p>



11N20SISO HCH Graphs

<p>Pref/11N20 SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.46200000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr1 2.460 720 GHz          -13.923 dBm          10 dB/div          Log          Center 2.46200 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 2.462000000 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          Center Freq 13.01500000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr2 24.773 GHz          -37.857 dBm          10 dB/div          Log          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 Man</p> <p>Freq Offset 0 Hz</p>

11N40SISO\_LCH\_Graphs

<p>Pref/11N40 SISO/LCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.42200000 GHz          PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB          #Avg Type: RMS AvgHold: 10/10          09:47:40 AM Aug 20, 2020          TRACE 1 2 3 4 5 6 TYPE [M] [W] [A] [V] [P] [P] [P] [P] [P] [P] DET [P] [P] [P] [P] [P] [P] [P] [P]</p> <p>10 dB/div Log          Ref Offset 8.05 dB Ref 20.00 dBm          Mkr1 2.42698 GHz -14.778 dBm          -34.78 dBm</p> <p>Center 2.42200 GHz #Res BW 100 kHz #VBW 300 kHz Span 80.00 MHz Sweep 8.000 ms (8001 pts)</p> <p>MSG STATUS</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          Center Freq 13.015000000 GHz          PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB          #Avg Type: RMS AvgHold: 2/10          09:47:53 AM Aug 20, 2020          TRACE 1 2 3 4 5 6 TYPE [M] [W] [A] [V] [P] [P] [P] [P] [P] [P] DET [P] [P] [P] [P] [P] [P] [P] [P]</p> <p>10 dB/div Log          Ref Offset 8.05 dB Ref 20.00 dBm          Mkr2 25.331 GHz -38.046 dBm          -34.78 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>MSG STATUS</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>

11N40SISO\_MCH\_Graphs

<p>Pref/11N40 SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.43700000 GHz          PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB          #Avg Type: RMS AvgHold: 10/10          09:50:11 AM Aug 20, 2020          Mkr1 2.43073 GHz -14.945 dBm          Ref Offset 8.05 dB Ref 20.00 dBm          10 dB/div Log          -34.95 dBm          Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 80.00 MHz Sweep 8.000 ms (8001 pts)</p>	<p>Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.397000000 GHz Stop Freq 2.477000000 GHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz</p>
<p>Puw/11N40 SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 13.01500000 GHz          PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB          #Avg Type: RMS AvgHold: 2/10          09:50:24 AM Aug 20, 2020          Mkr2 25.500 GHz -37.683 dBm          Ref Offset 8.05 dB Ref 20.00 dBm          10 dB/div Log          -34.95 dBm          Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.00 GHz Sweep 2.482 s (8001 pts)</p>	<p>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</p>



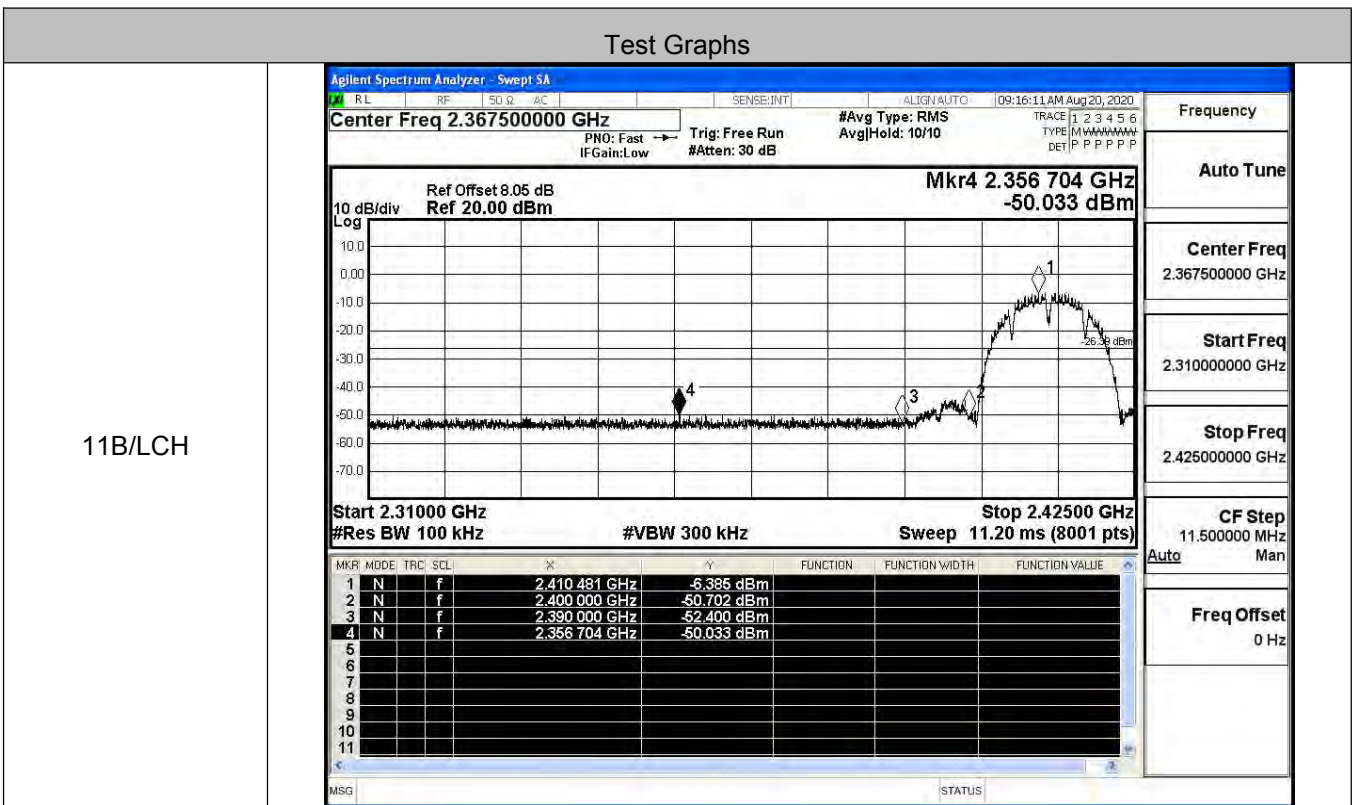
11N40SISO\_HCH\_Graphs

<p>Pref/11N40 SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.45200000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr1 2.444 47 GHz          -15.498 dBm          10 dB/div          Log          Center 2.45200 GHz          #Res BW 100 kHz          #VBW 300 kHz          Sweep 8.000 ms (8001 pts)          Span 80.00 MHz</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>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 13.01500000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr2 25.899 GHz          -37.603 dBm          10 dB/div          Log          Start 30 MHz          #Res BW 100 kHz          #VBW 300 kHz          Sweep 2.482 s (8001 pts)          Stop 26.00 GHz</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>

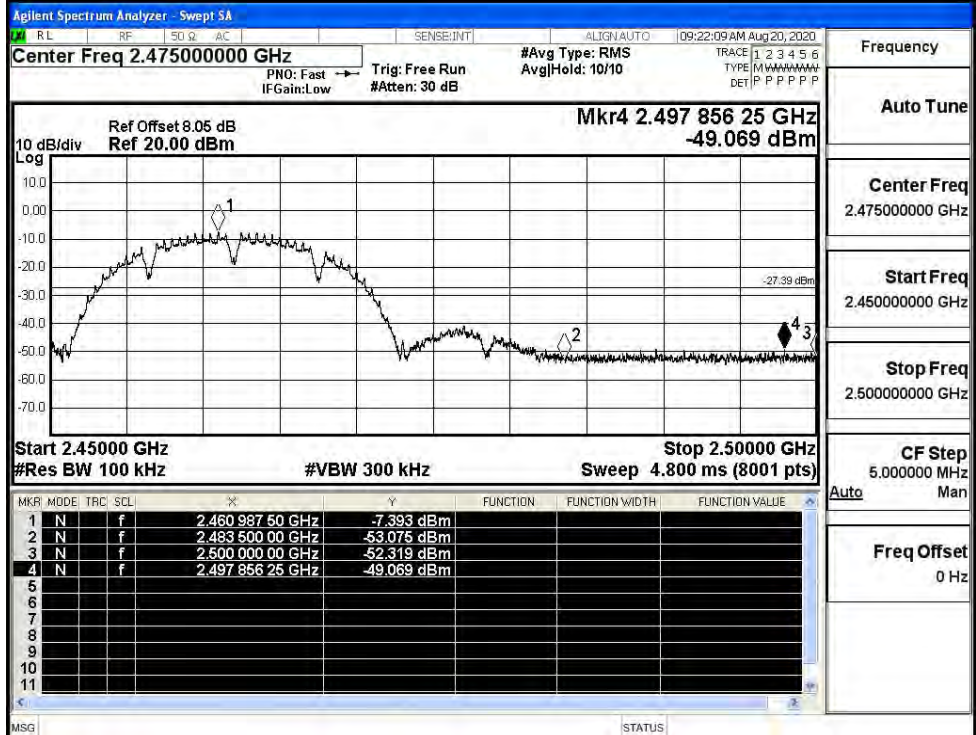


### B.6 Band-edge for RF Conducted Emissions

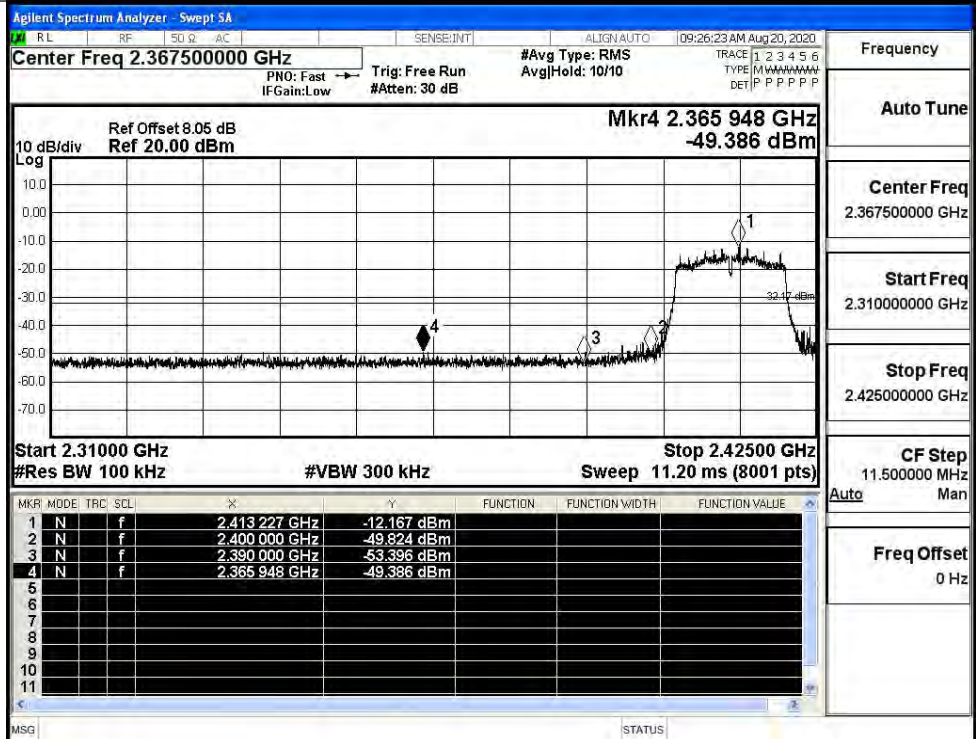
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-6.385	-50.033	-26.39	PASS
	HCH	-7.393	-49.069	-27.39	PASS
11G	LCH	-12.167	-49.386	-32.17	PASS
	HCH	-13.097	-49.670	-33.1	PASS
11N20SISO	LCH	-11.487	-49.354	-31.49	PASS
	HCH	-13.711	-49.402	-33.71	PASS
11N40SISO	LCH	-14.654	-45.902	-34.65	PASS
	HCH	-15.468	-47.434	-35.47	PASS



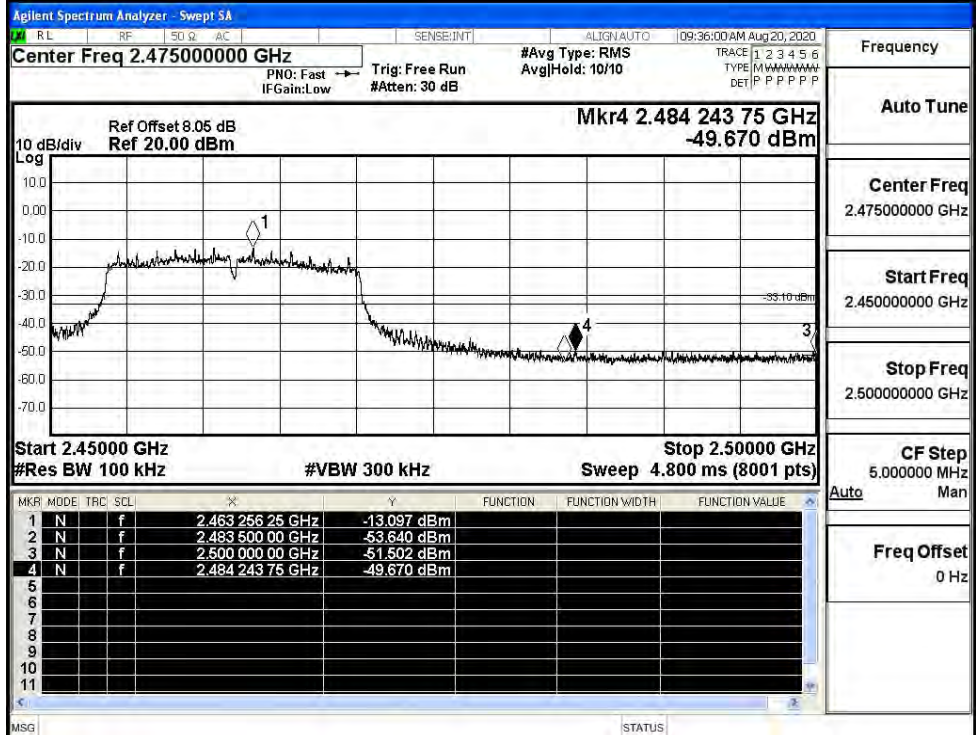
11B/HCH



11G/LCH

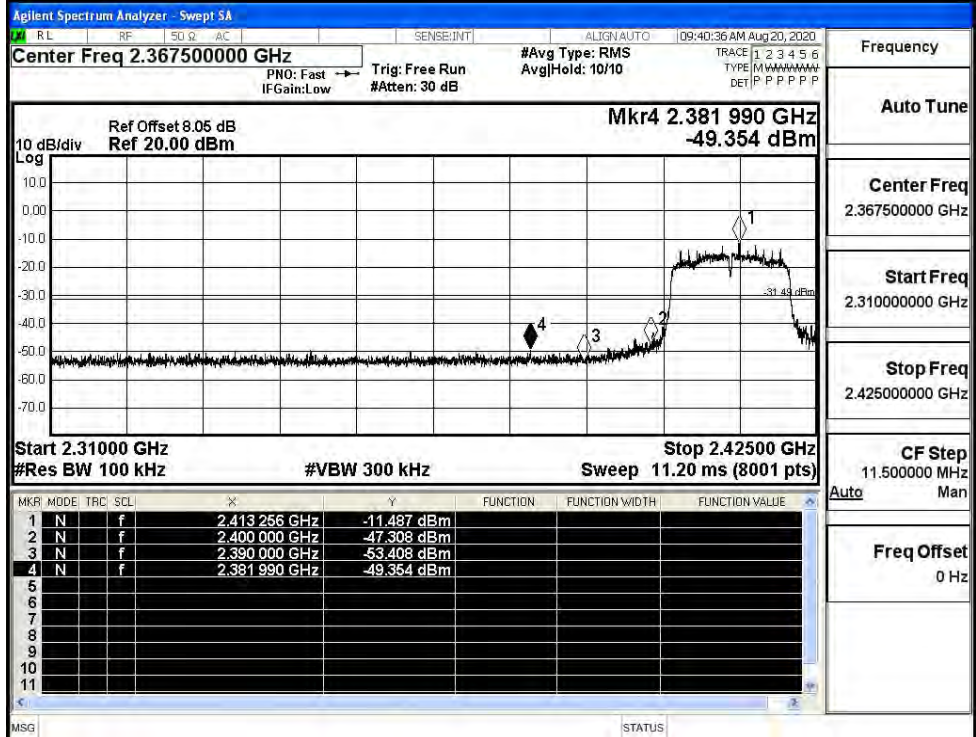


11G/HCH



Frequency	
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

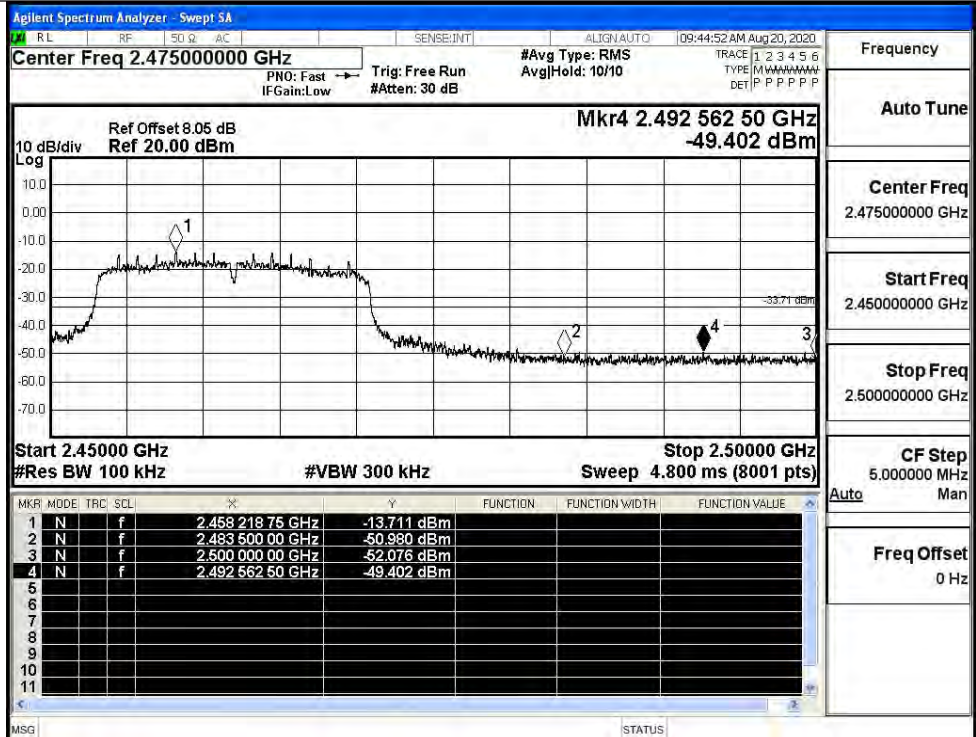
11N20SISO/LCH



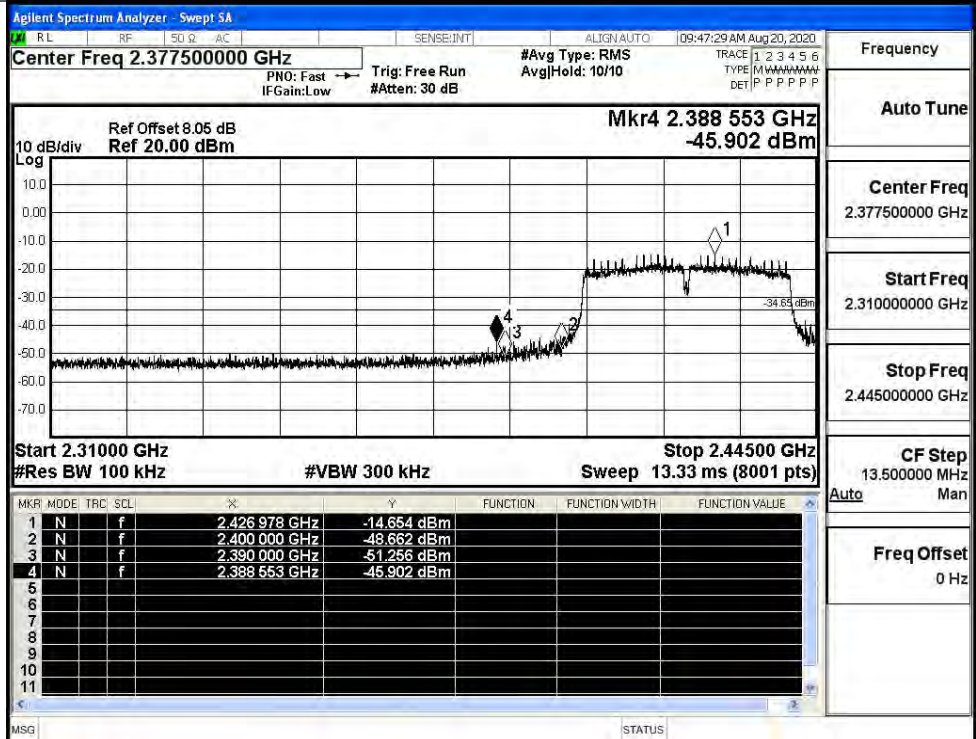
Frequency	
Auto Tune	
Center Freq	2.367500000 GHz
Start Freq	2.310000000 GHz
Stop Freq	2.425000000 GHz
CF Step	11.500000 MHz
Auto	Man
Freq Offset	0 Hz



11N20SISO/HCH

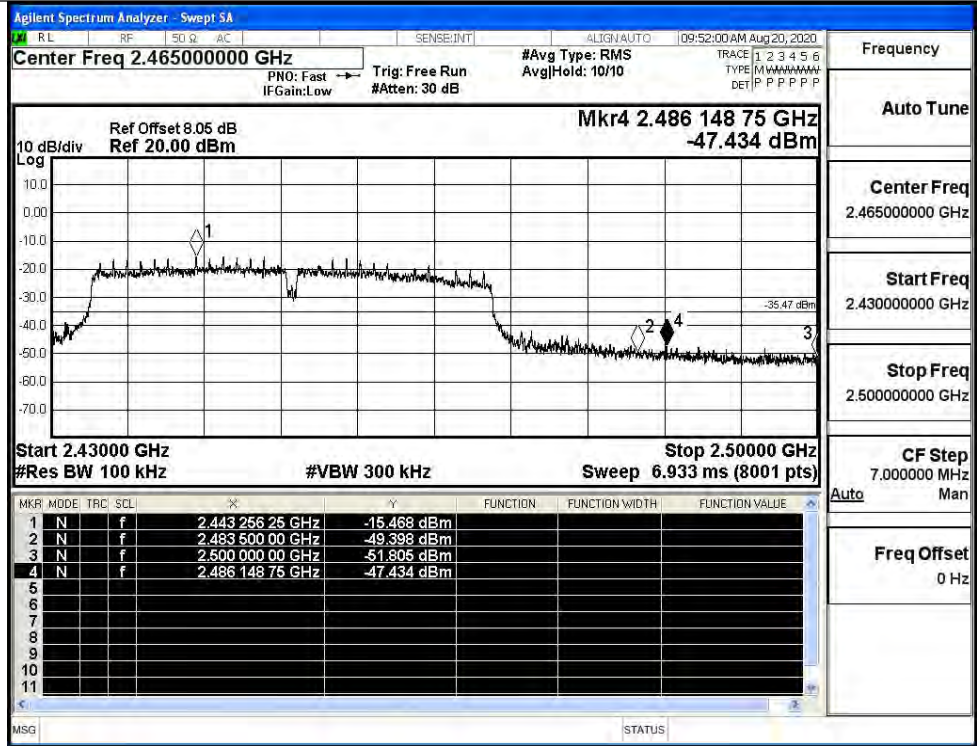


11N40SISO/LCH





11N40SISO/HCH

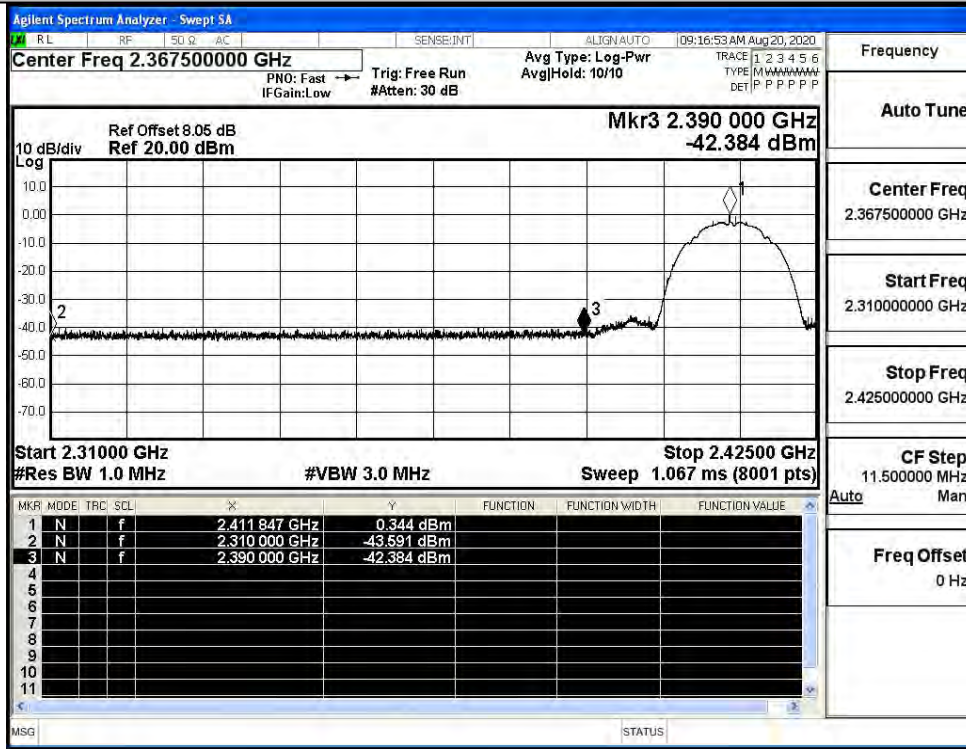


### B.7 Restrict-band band-edge measurements

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	-43.59	2.0	0	53.64	PEAK	74	PASS
	2412	Ant1	2310.0	-53.55	2.0	0	43.68	AV	54	PASS
	2412	Ant1	2390.0	-42.38	2.0	0	54.85	PEAK	74	PASS
	2412	Ant1	2390.0	-53.07	2.0	0	44.16	AV	54	PASS
	2462	Ant1	2483.5	-42.10	2.0	0	55.13	PEAK	74	PASS
	2462	Ant1	2483.5	-52.66	2.0	0	44.57	AV	54	PASS
	2462	Ant1	2500.0	-42.89	2.0	0	54.34	PEAK	74	PASS
	2462	Ant1	2500.0	-52.62	2.0	0	44.61	AV	54	PASS
11G	2412	Ant1	2310.0	-42.30	2.0	0	54.93	PEAK	74	PASS
	2412	Ant1	2310.0	-53.58	2.0	0	43.65	AV	54	PASS
	2412	Ant1	2390.0	-42.29	2.0	0	54.94	PEAK	74	PASS
	2412	Ant1	2390.0	-53.10	2.0	0	44.13	AV	54	PASS
	2462	Ant1	2483.5	-42.37	2.0	0	54.86	PEAK	74	PASS
	2462	Ant1	2483.5	-52.60	2.0	0	44.63	AV	54	PASS
	2462	Ant1	2500.0	-43.53	2.0	0	53.70	PEAK	74	PASS
	2462	Ant1	2500.0	-52.58	2.0	0	44.65	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-42.92	2.0	0	54.31	PEAK	74	PASS
	2412	Ant1	2310.0	-53.56	2.0	0	43.67	AV	54	PASS
	2412	Ant1	2390.0	-42.05	2.0	0	55.18	PEAK	74	PASS
	2412	Ant1	2390.0	-53.00	2.0	0	44.23	AV	54	PASS
	2462	Ant1	2483.5	-41.72	2.0	0	55.51	PEAK	74	PASS
	2462	Ant1	2483.5	-52.50	2.0	0	44.73	AV	54	PASS
	2462	Ant1	2500.0	-42.29	2.0	0	54.94	PEAK	74	PASS
	2462	Ant1	2500.0	-52.62	2.0	0	44.61	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-43.00	2.0	0	54.23	PEAK	74	PASS
	2422	Ant1	2310.0	-53.53	2.0	0	43.70	AV	54	PASS

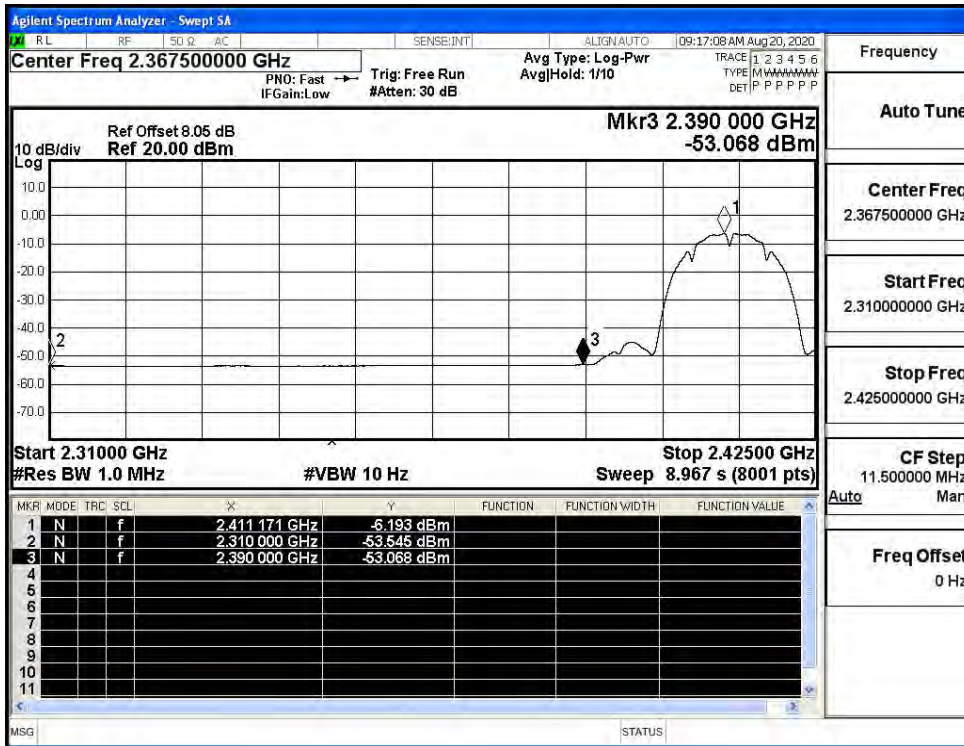
	2422	Ant1	2390.0	-37.92	2.0	0	59.31	PEAK	74	PASS
	2422	Ant1	2390.0	-51.47	2.0	0	45.76	AV	54	PASS
	2452	Ant1	2483.5	-39.18	2.0	0	58.05	PEAK	74	PASS
	2452	Ant1	2483.5	-50.25	2.0	0	46.98	AV	54	PASS
	2452	Ant1	2500.0	-42.04	2.0	0	55.19	PEAK	74	PASS
	2452	Ant1	2500.0	-52.51	2.0	0	44.72	AV	54	PASS

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

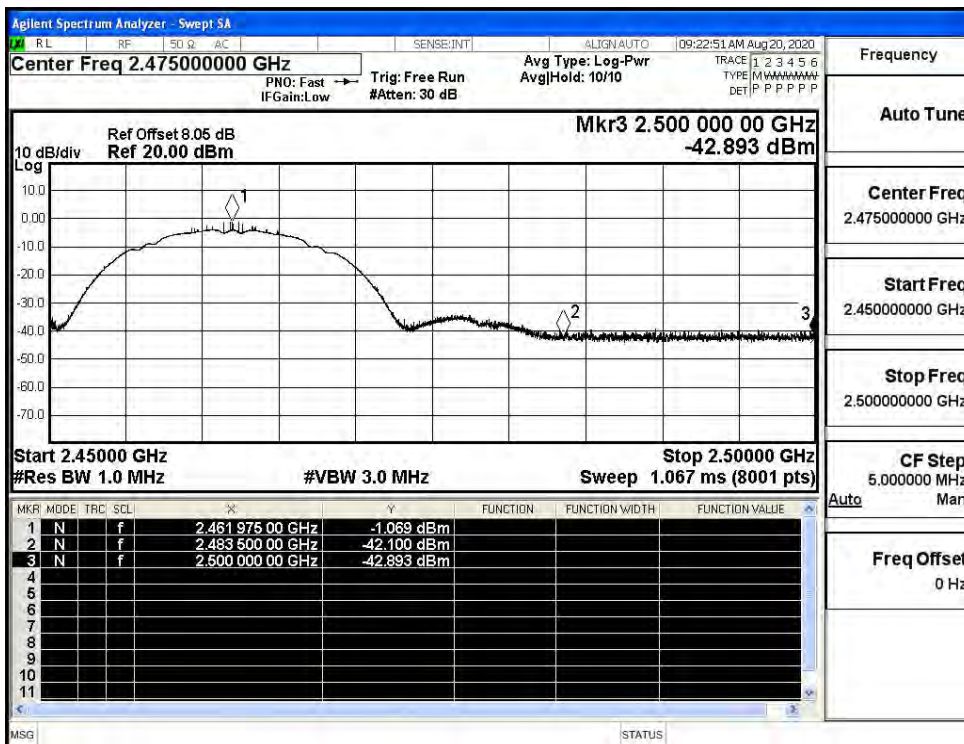


Restrict-band band-edge measurements\_11B\_2412\_Ant1\_AV

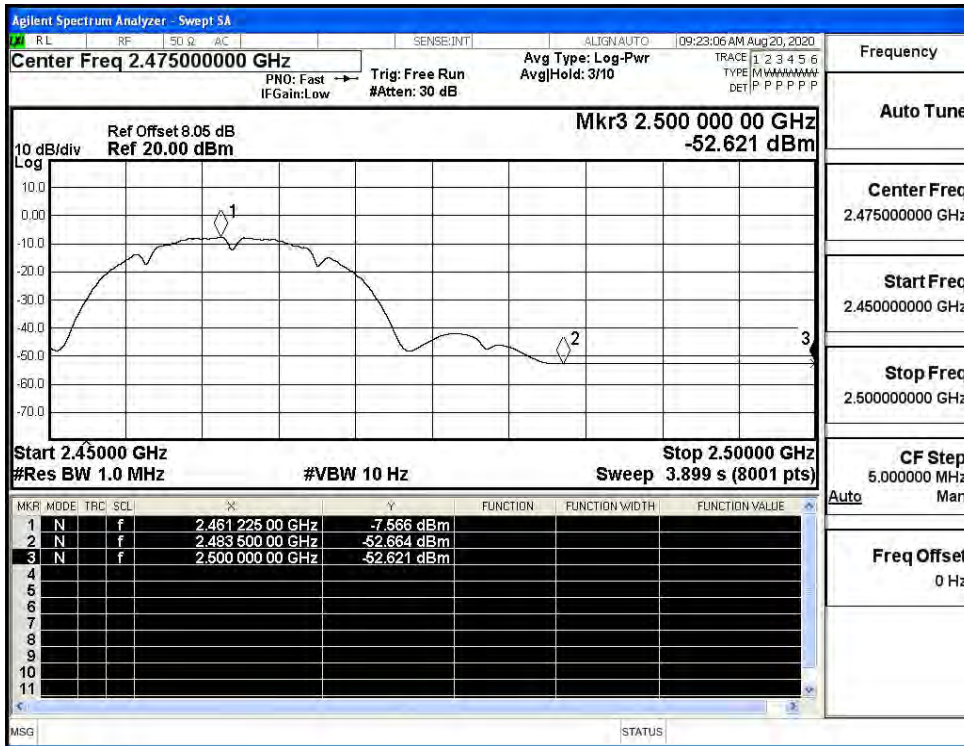




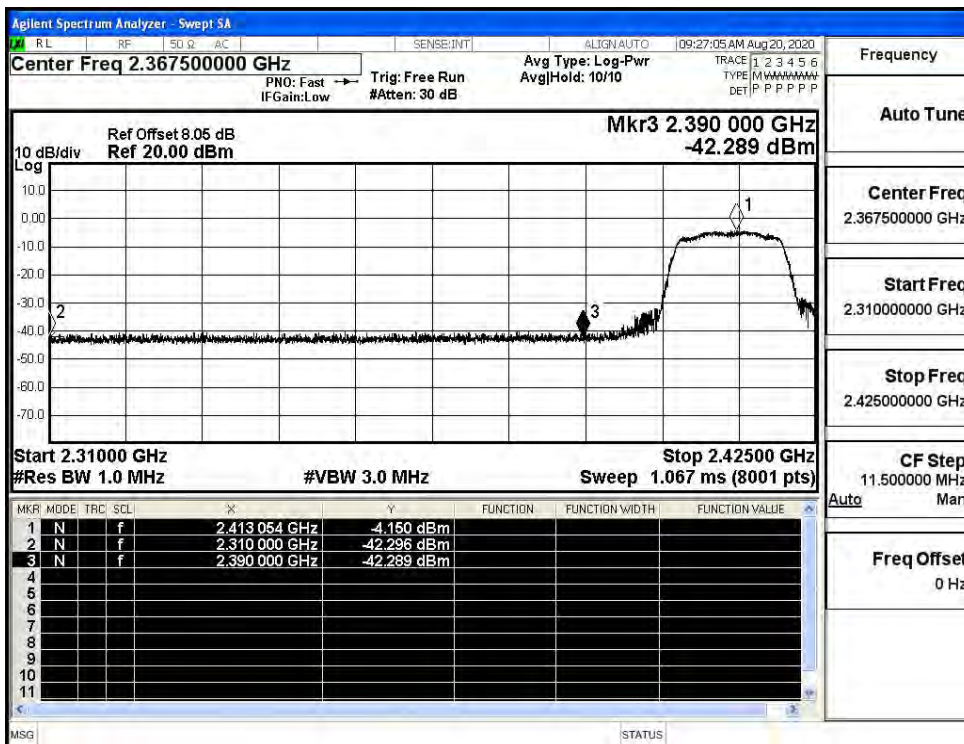
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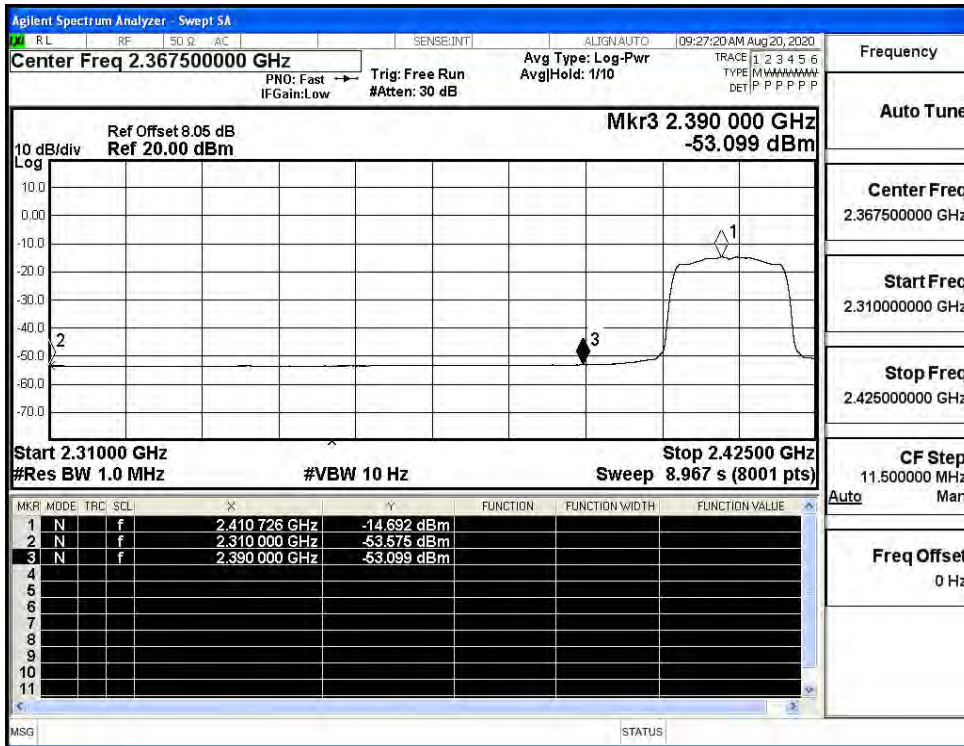
Restrict-band band-edge measurements\_11B\_2462\_Ant1\_AV



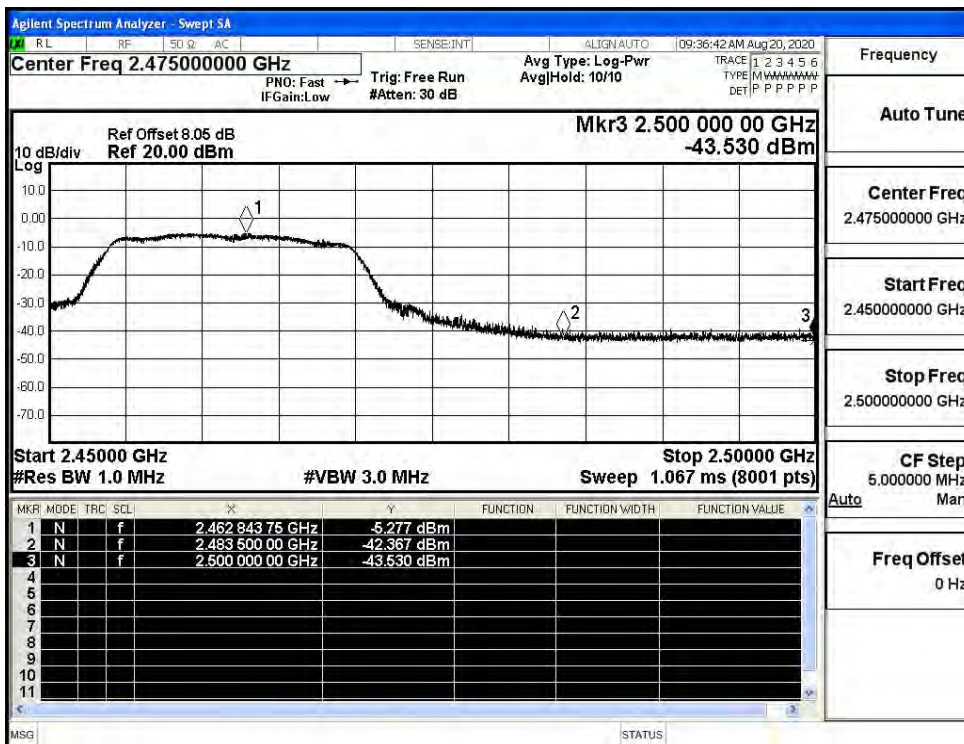
Restrict-band band-edge measurements\_11G\_2412\_Ant1\_PEAK



Restrict-band band-edge measurements\_11G\_2412\_Ant1\_AV

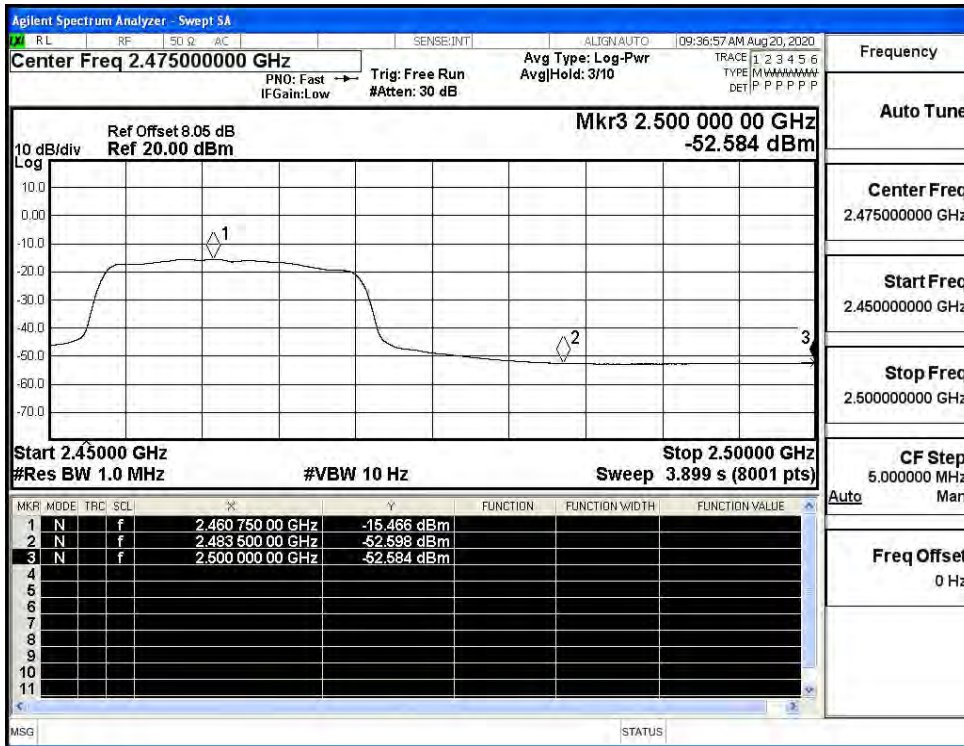


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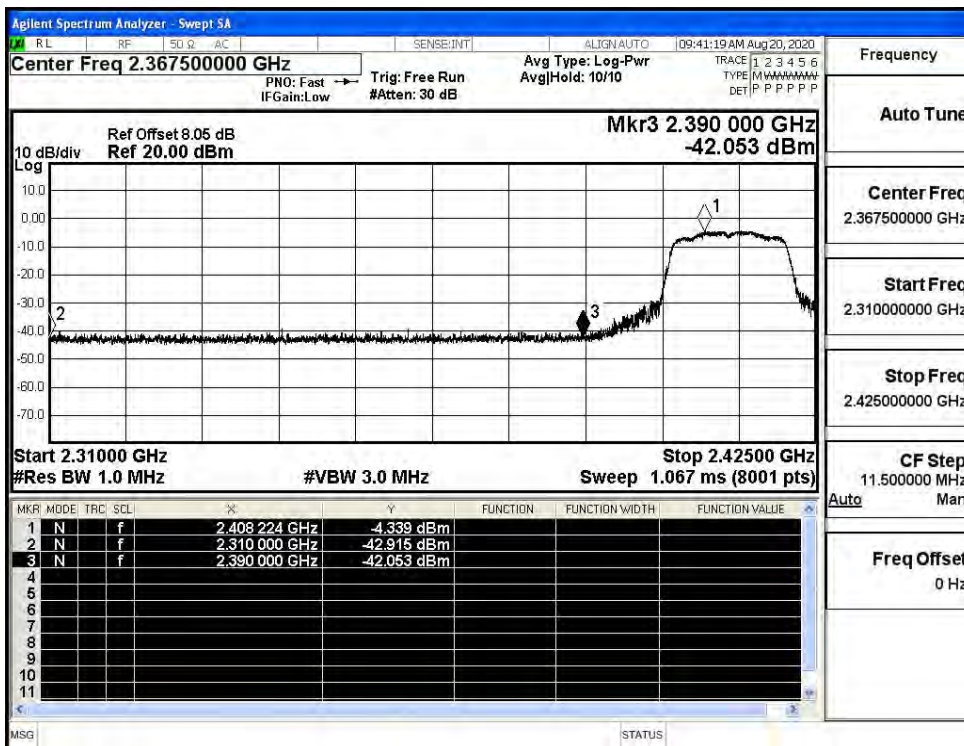


Restrict-band band-edge measurements\_11G\_2462\_Ant1\_AV



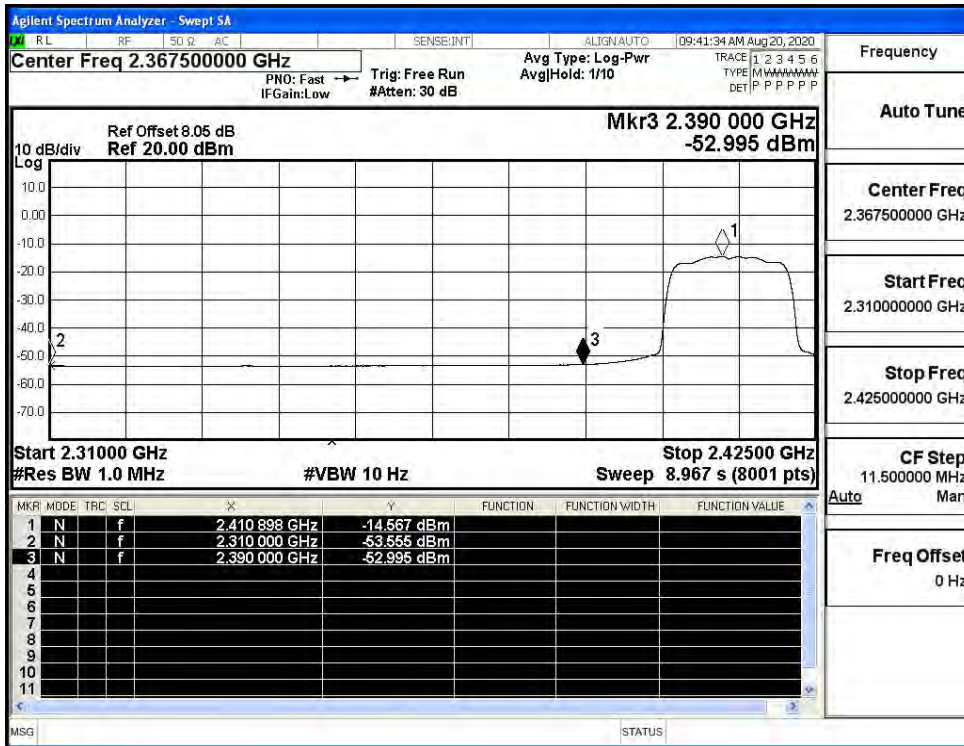


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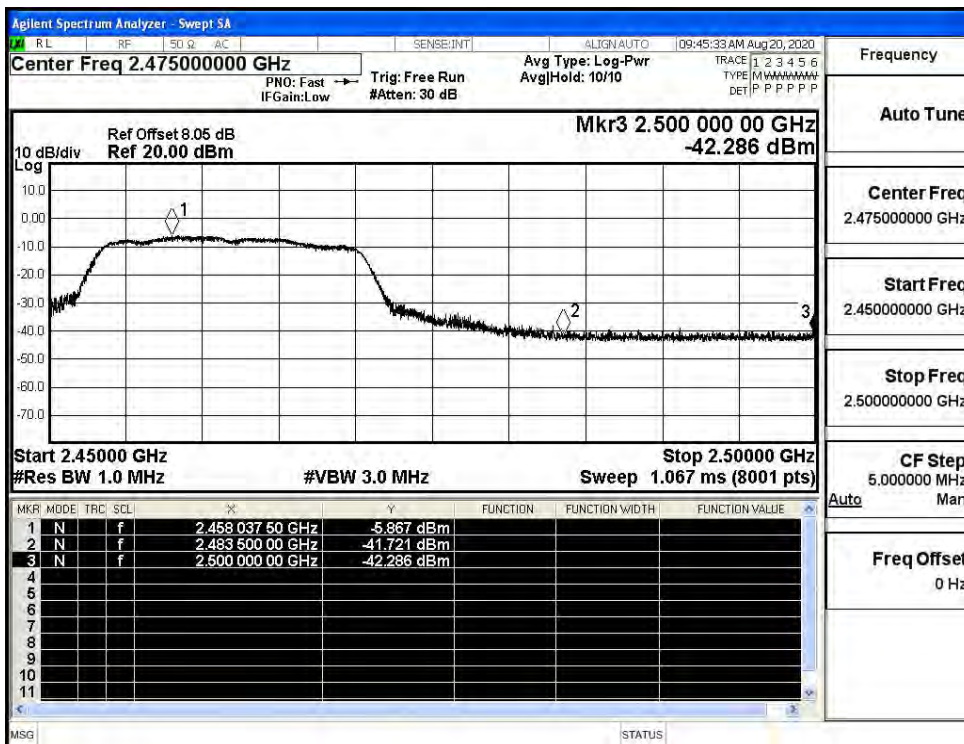


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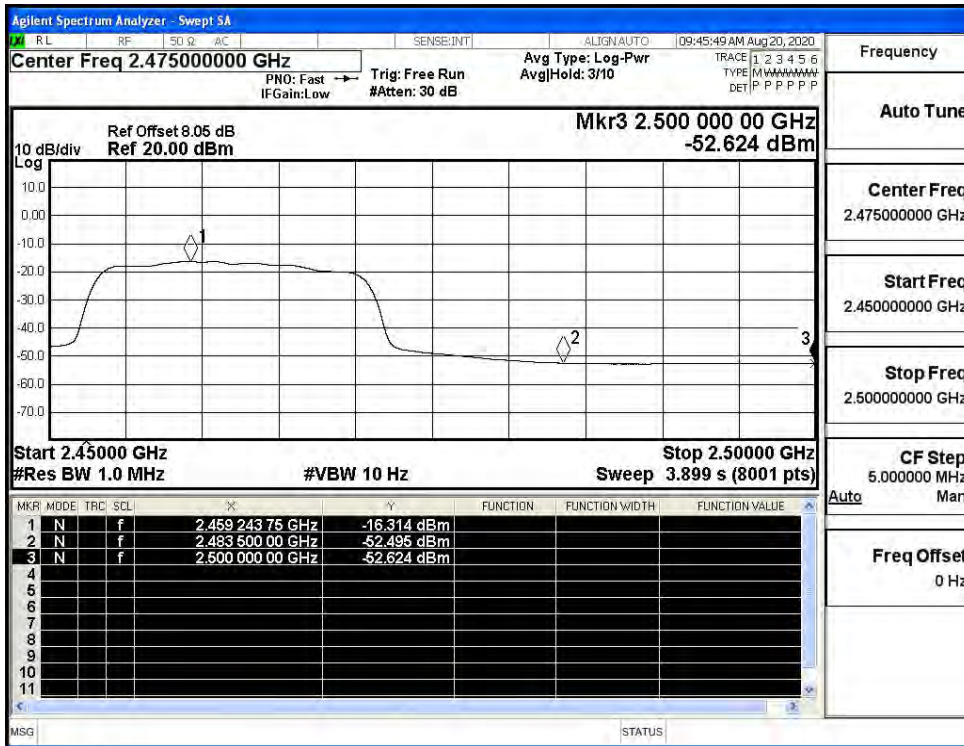




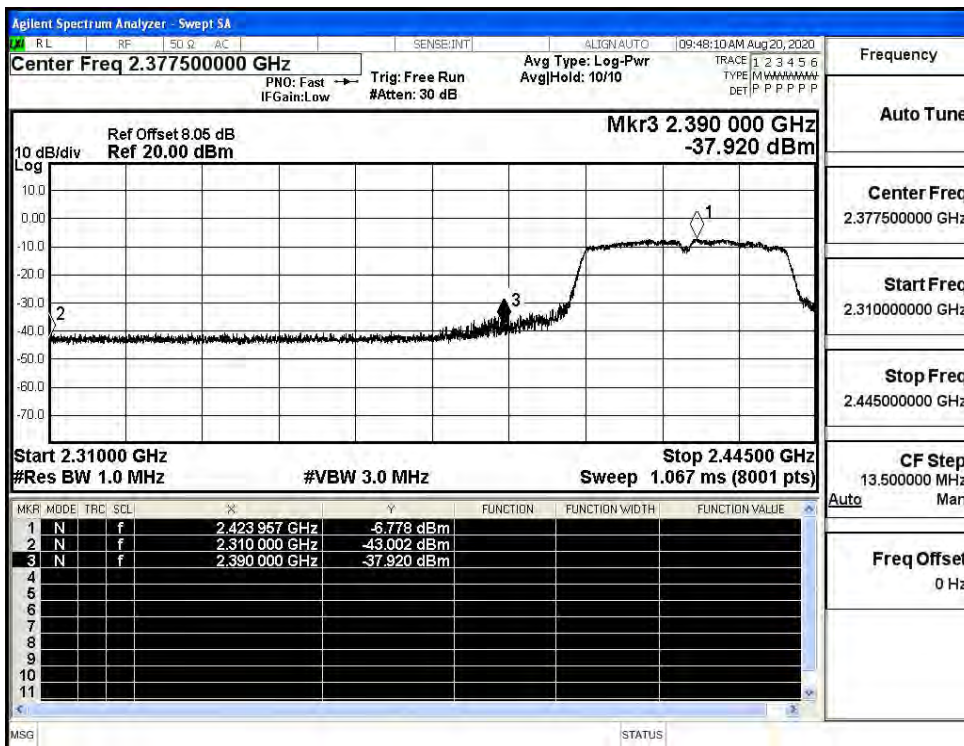
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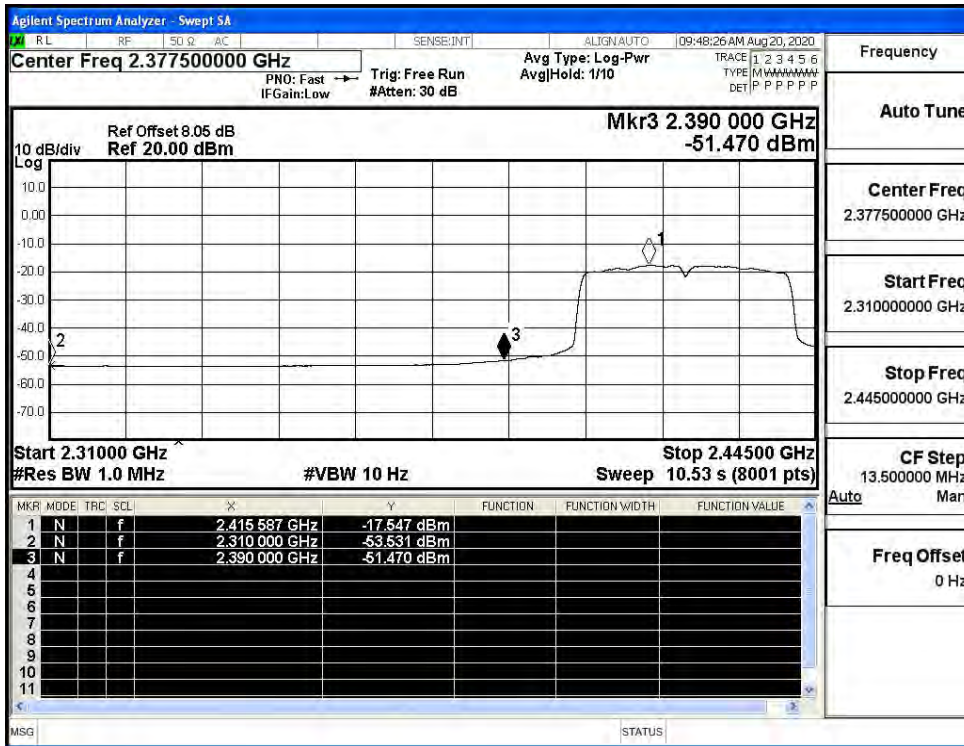
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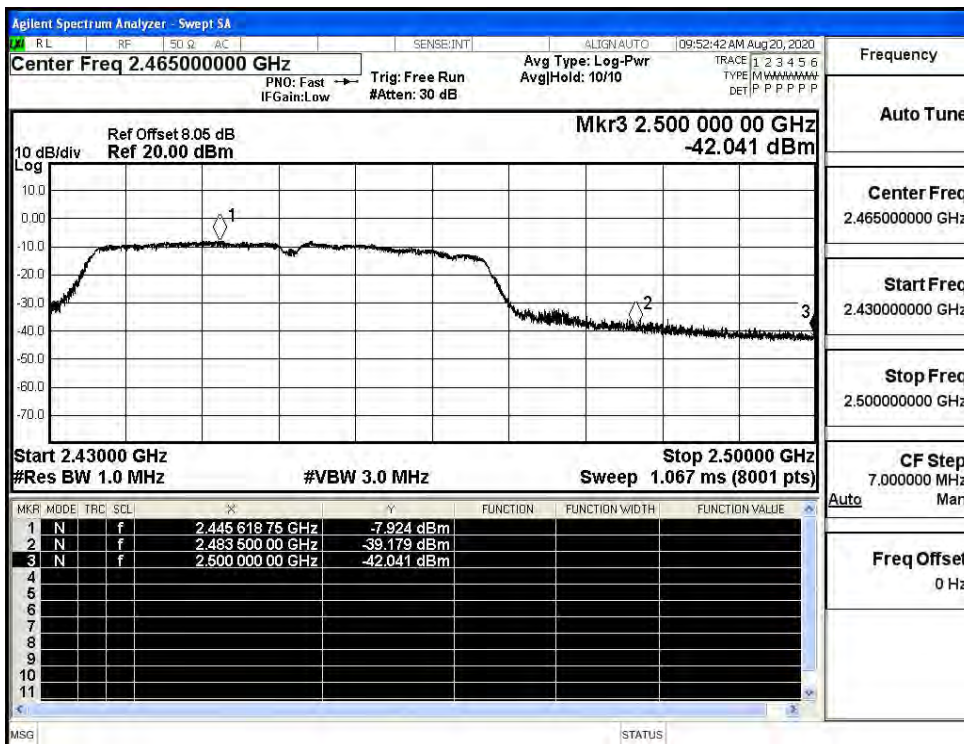
Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_PEAK



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



