

## Appendix C

### RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: N/A

Test Model: EDT800

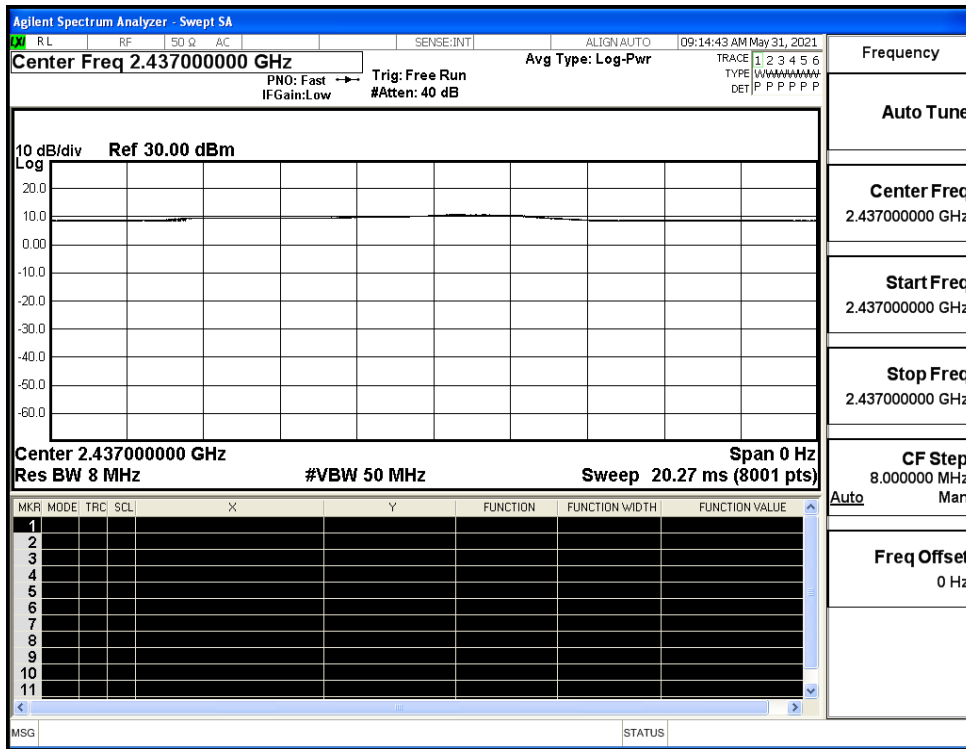
#### Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	51.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

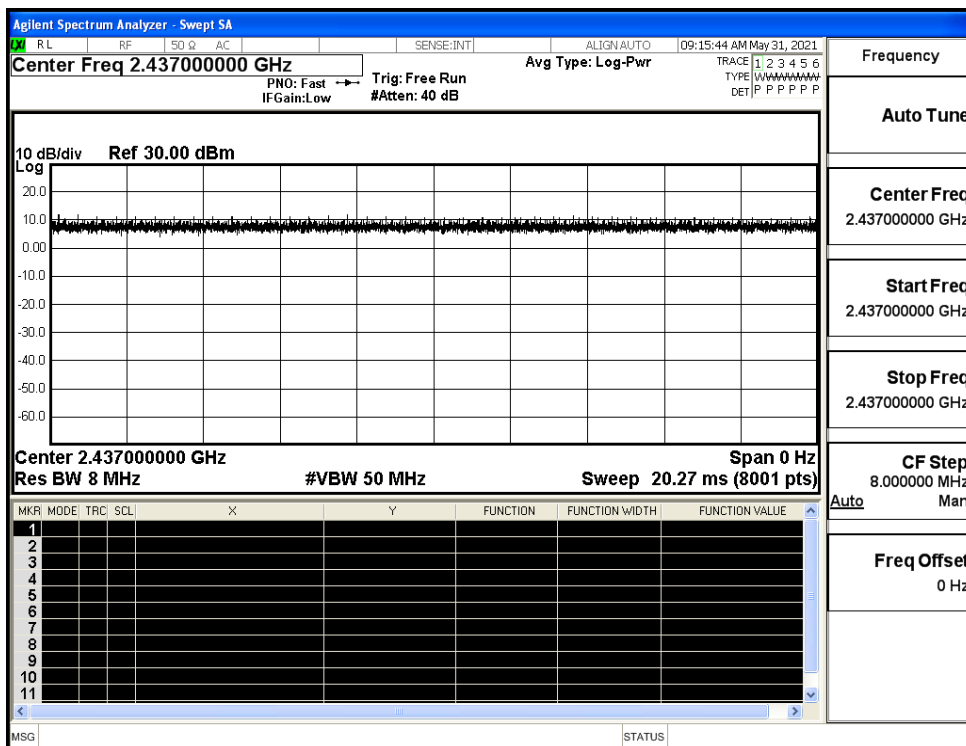
#### C.1 Duty Cycle

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

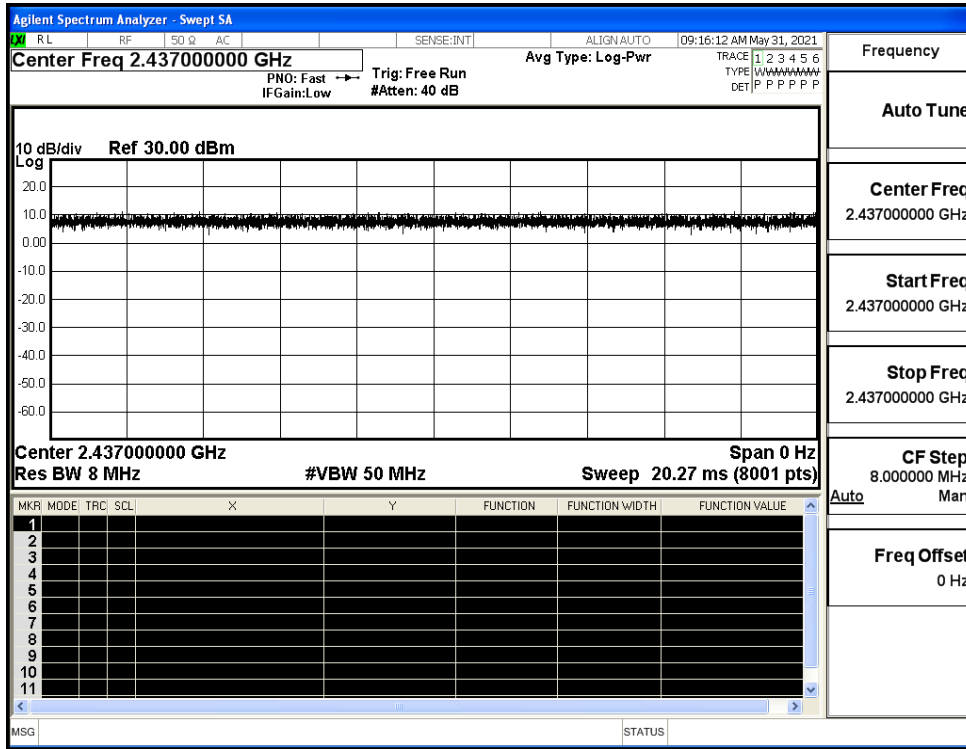
Duty Cycle\_11B\_2437\_Ant1



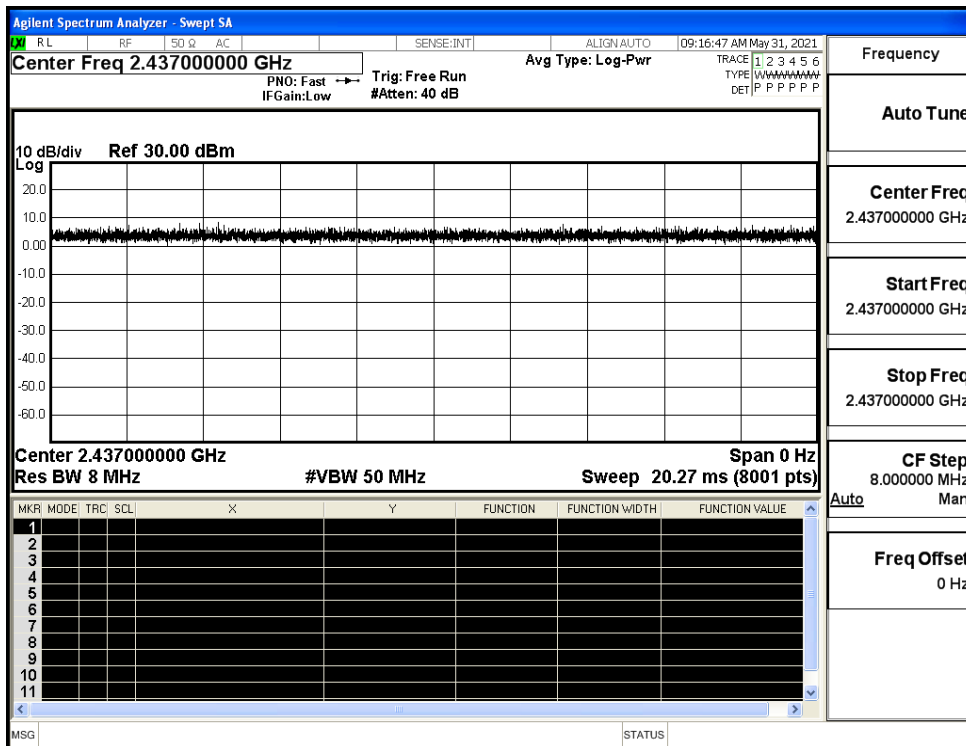
Duty Cycle\_11G\_2437\_Ant1



Duty Cycle\_11N20SISO\_2437\_Ant1



Duty Cycle\_11N40SISO\_2437\_Ant1

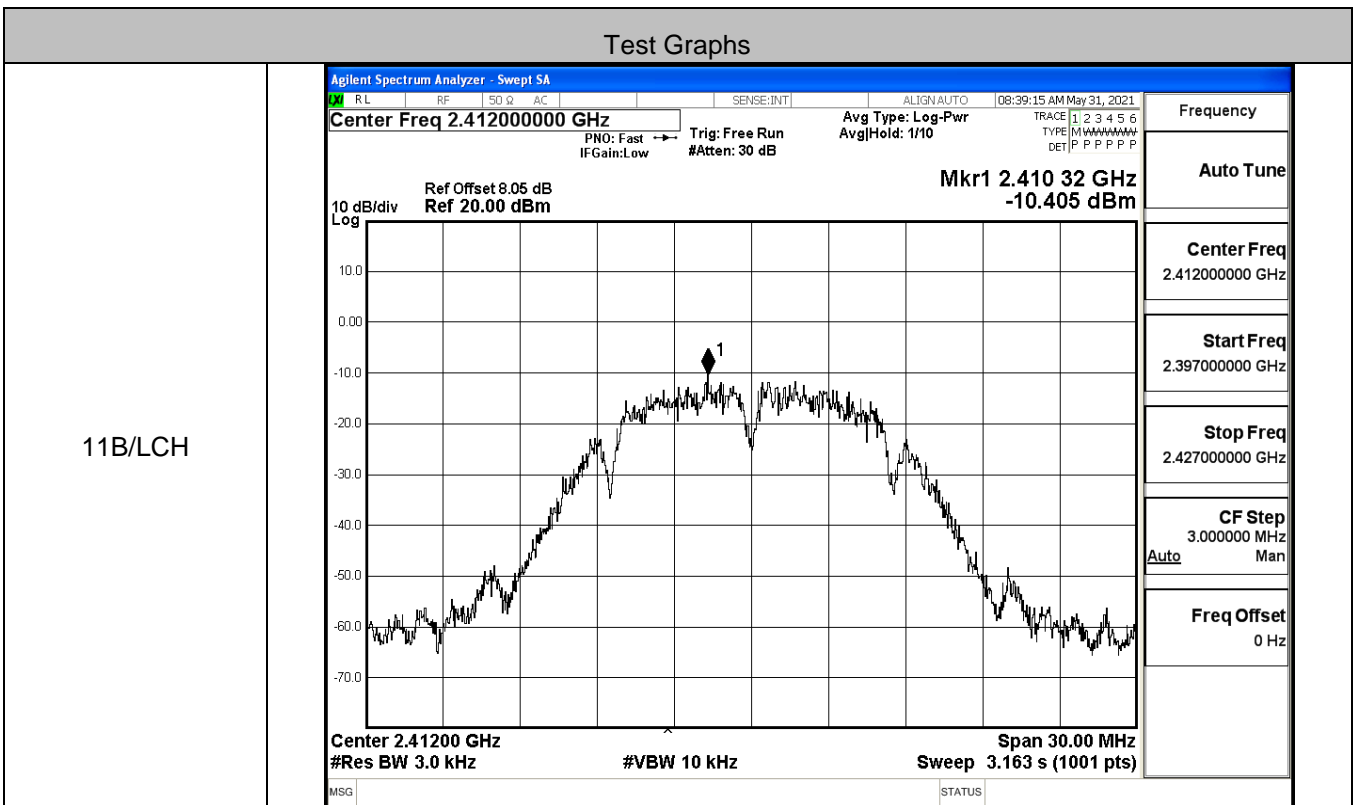


**C.2 Maximum Conducted Output Power**

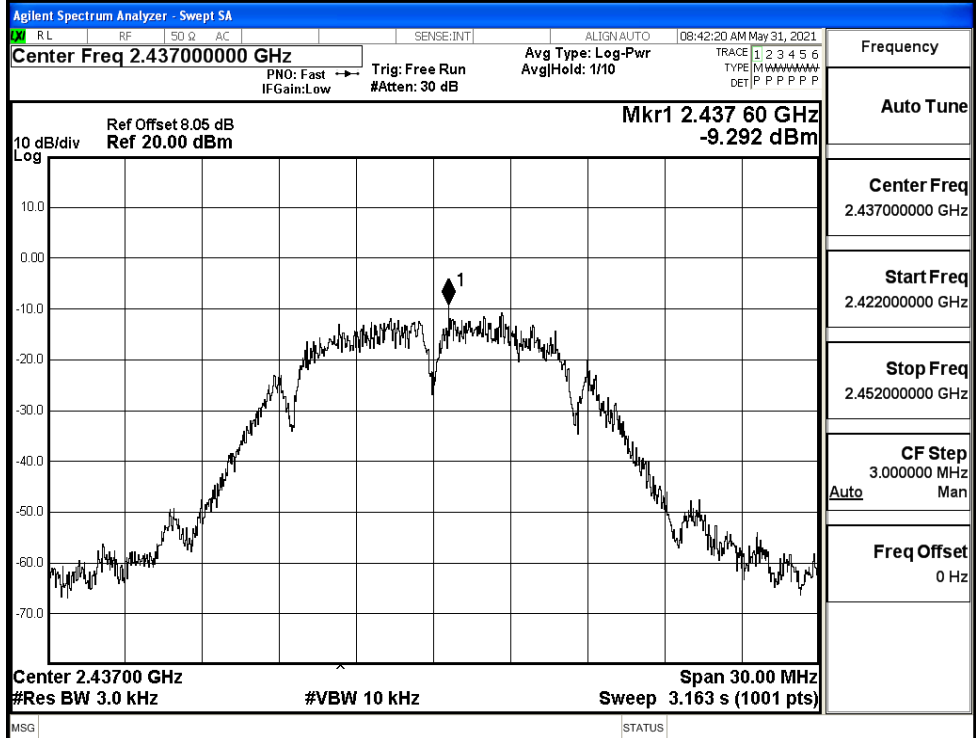
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	15.76	30	PASS
	MCH	15.95	30	PASS
	HCH	15.19	30	PASS
11G	LCH	16.54	30	PASS
	MCH	18.34	30	PASS
	HCH	17.26	30	PASS
11N20SISO	LCH	13.65	30	PASS
	MCH	13.25	30	PASS
	HCH	13.89	30	PASS
11N40SISO	LCH	13.96	30	PASS
	MCH	13.99	30	PASS
	HCH	13.83	30	PASS

### C.3 Maximum Power Spectral Density

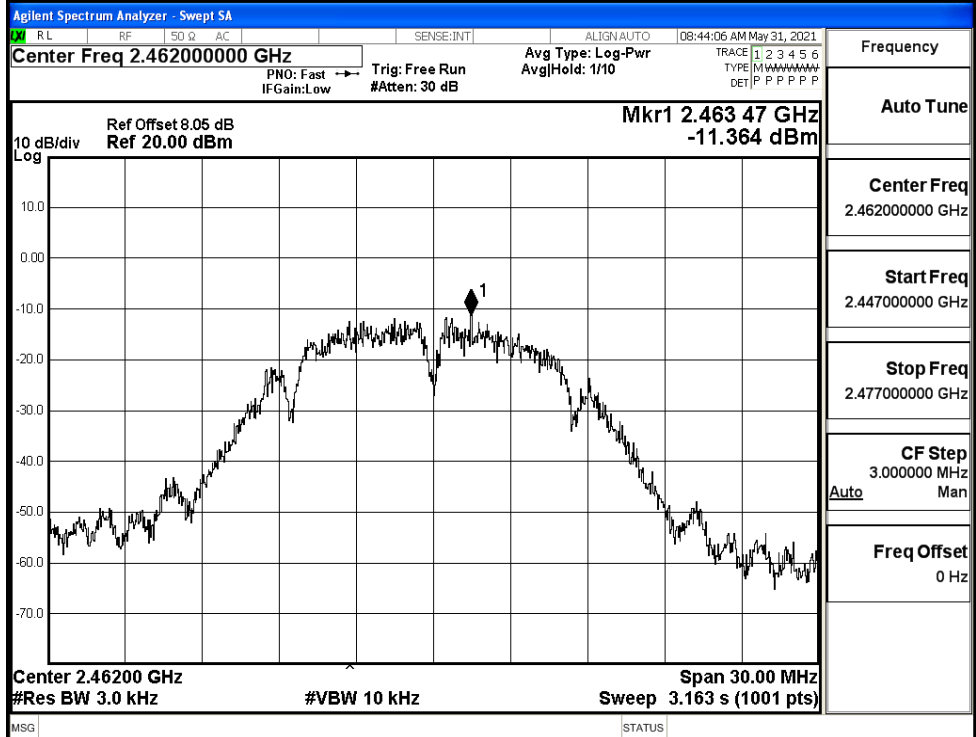
Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-10.405	8	PASS
	MCH	-9.292	8	PASS
	HCH	-11.364	8	PASS
11G	LCH	-16.516	8	PASS
	MCH	-13.162	8	PASS
	HCH	-13.639	8	PASS
11N20SISO	LCH	-20.075	8	PASS
	MCH	-14.478	8	PASS
	HCH	-17.664	8	PASS
11N40SISO	LCH	-22.003	8	PASS
	MCH	-21.278	8	PASS
	HCH	-22.313	8	PASS



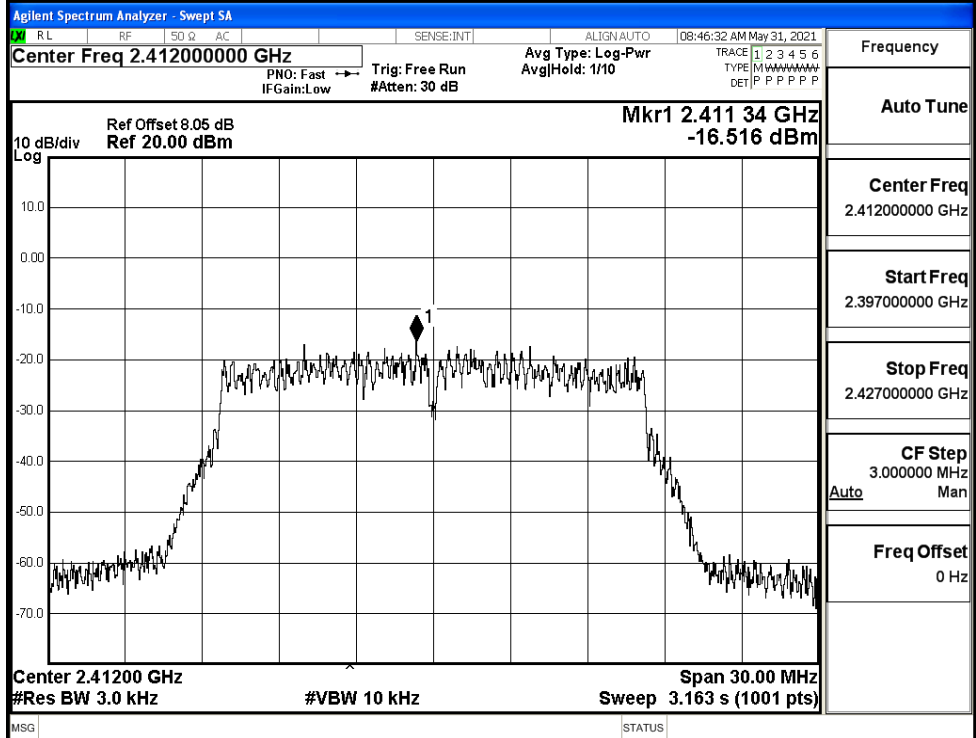
11B/MCH



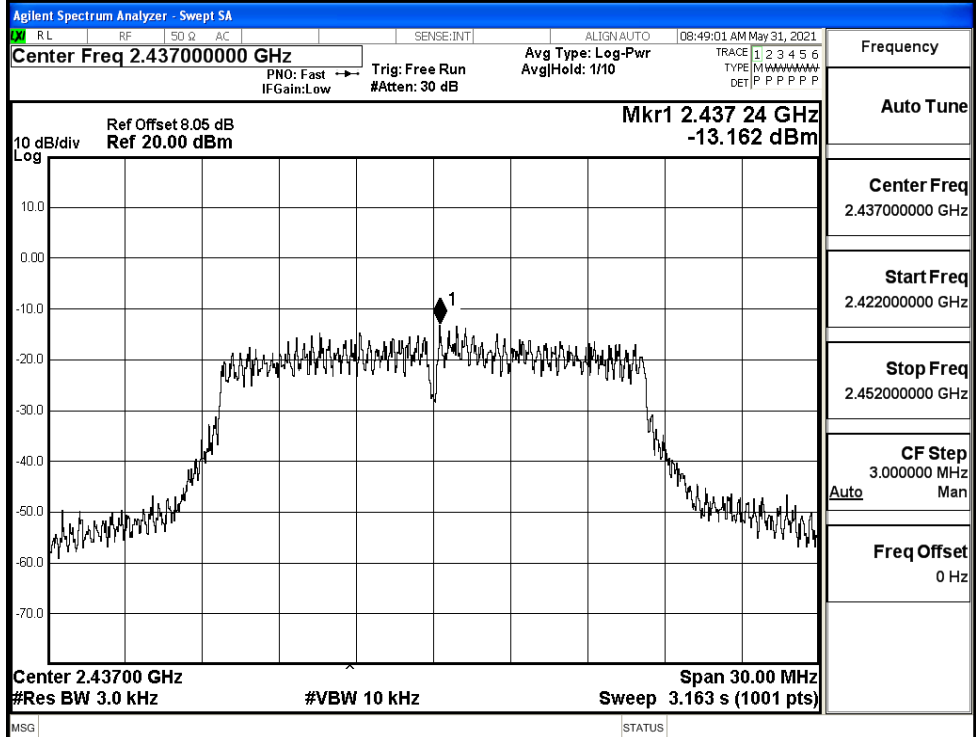
11B/HCH



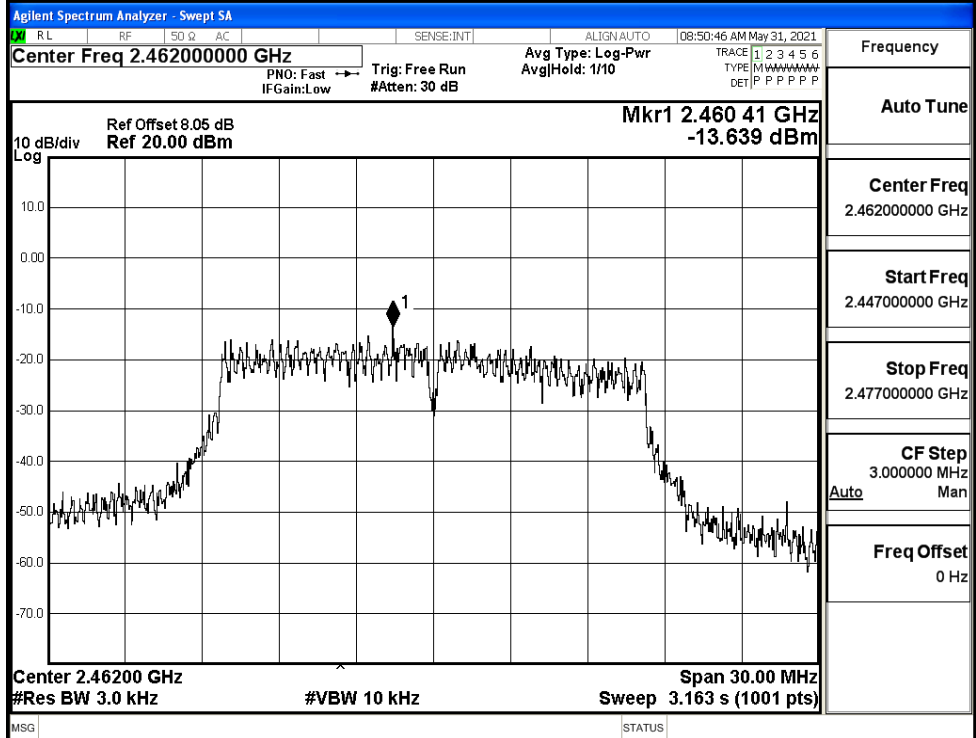
11G/LCH



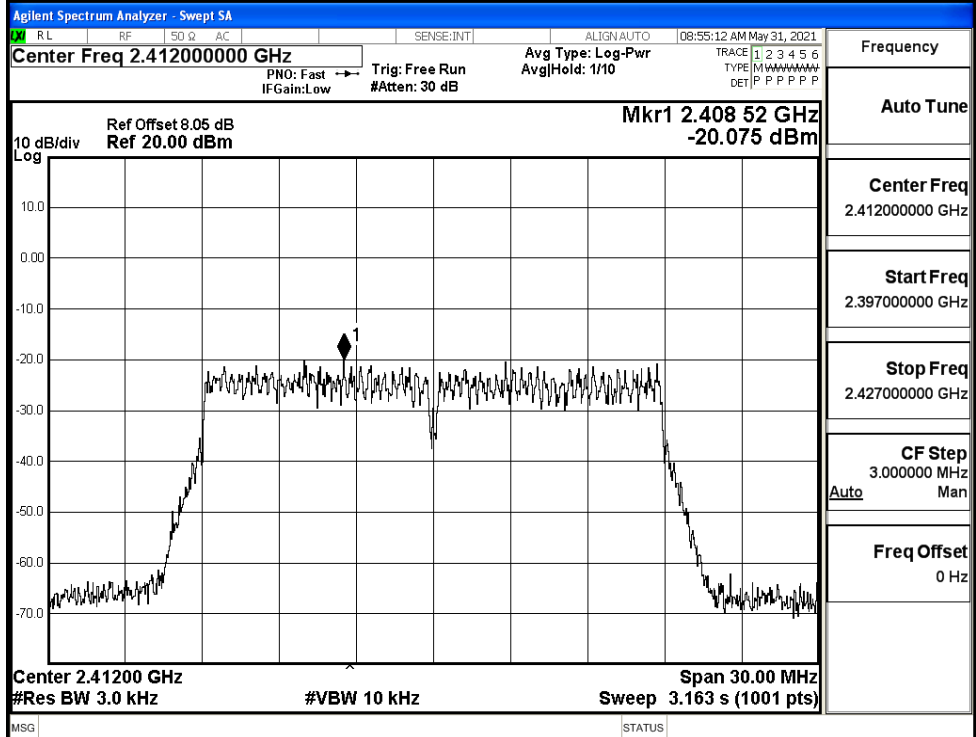
11G/MCH



11G/HCH

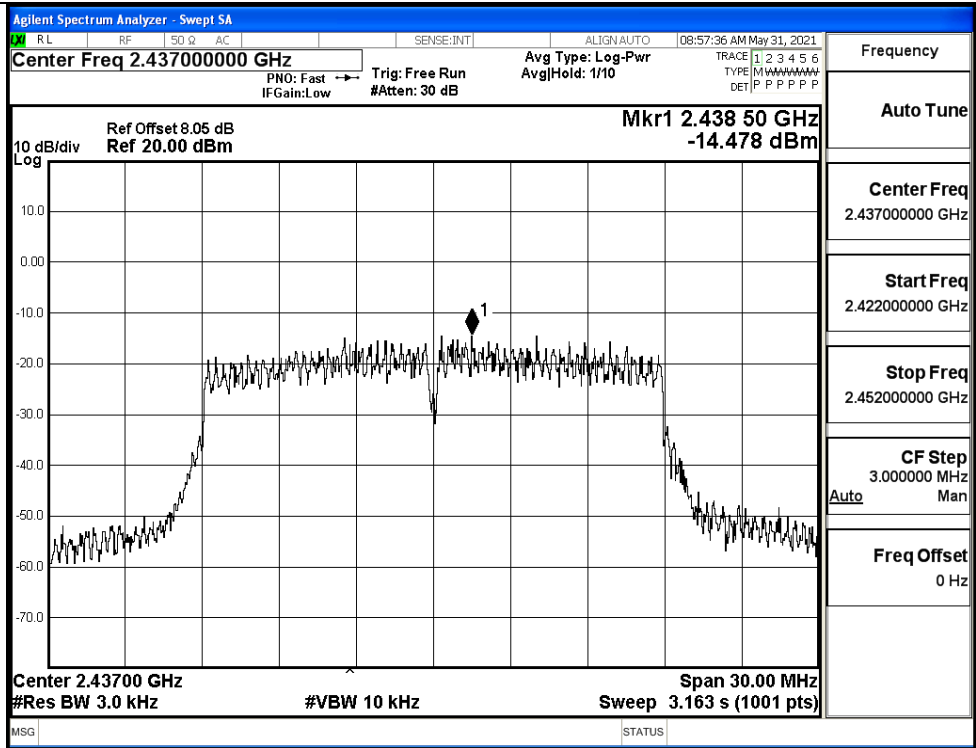


11N20SISO/LCH

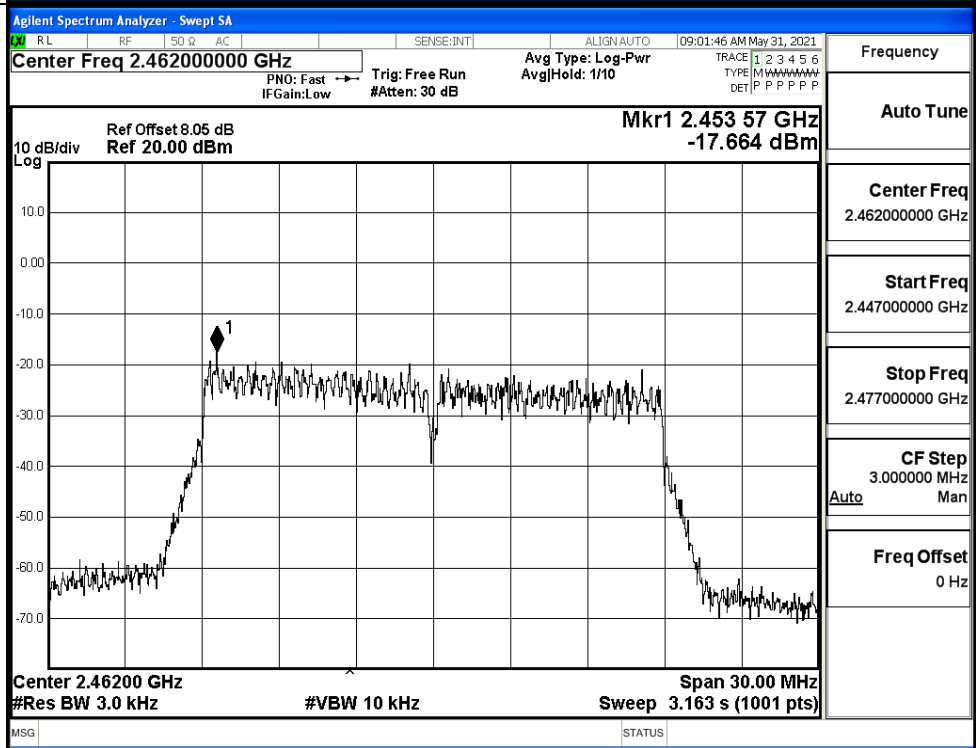




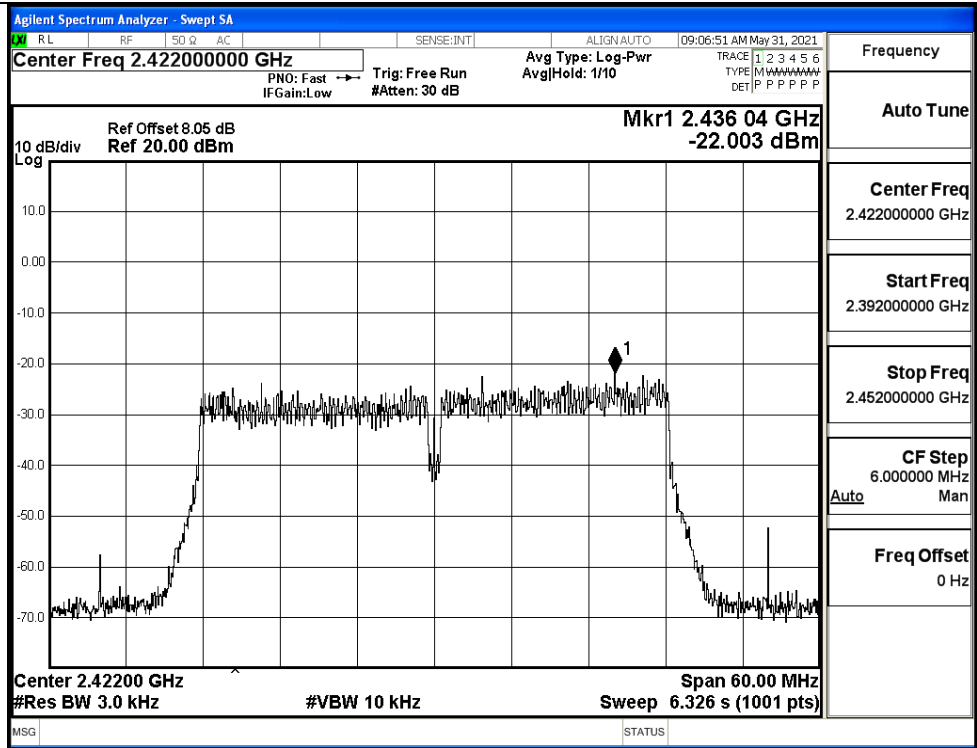
11N20SISO/MCH



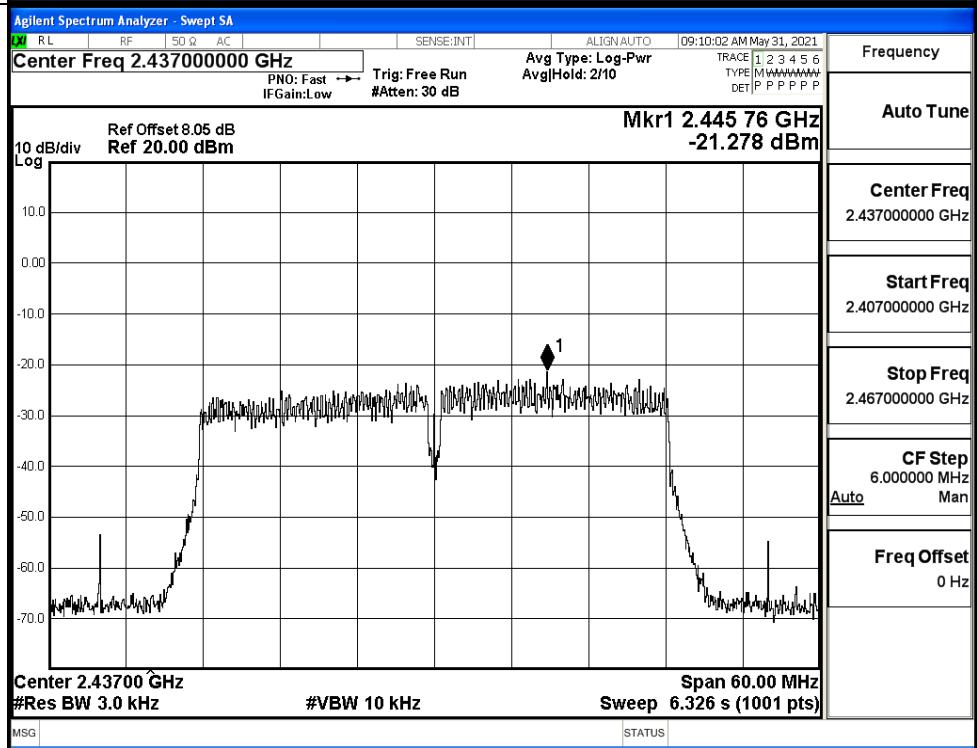
11N20SISO/HCH

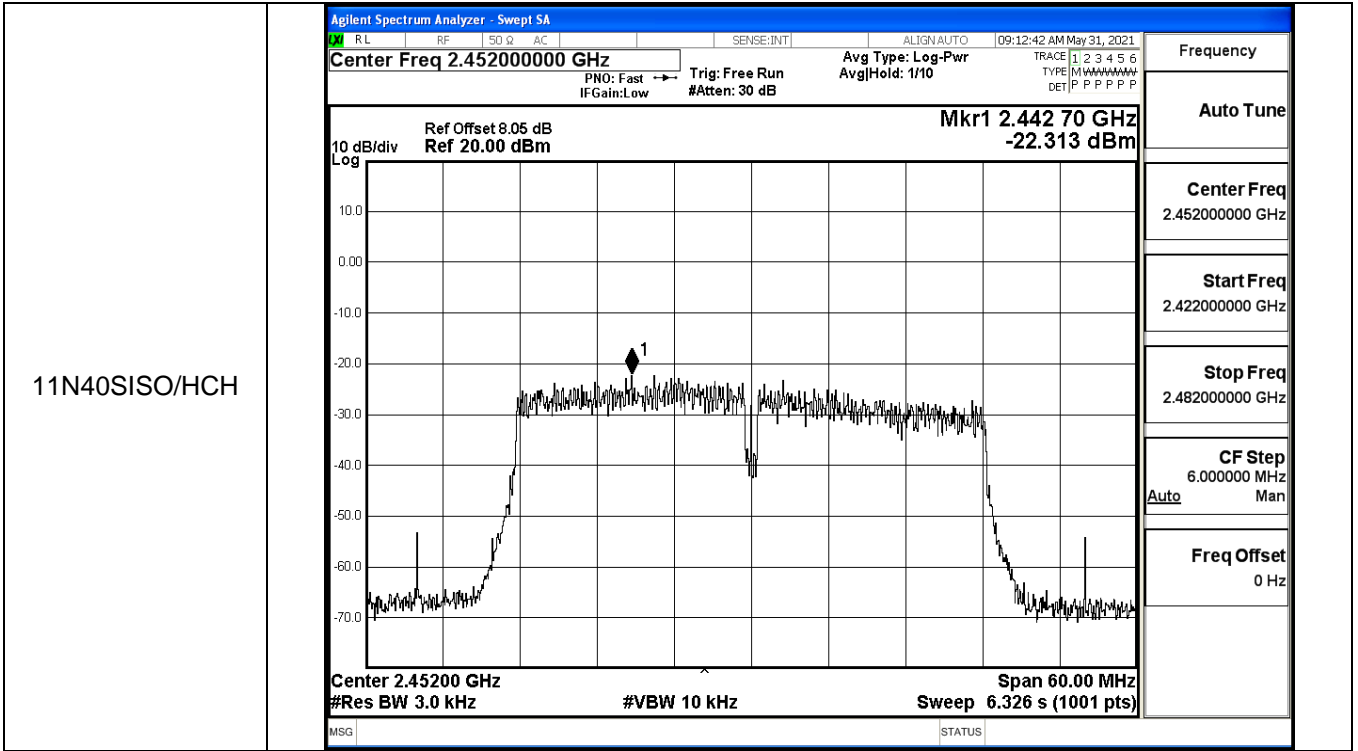


11N40SISO/LCH



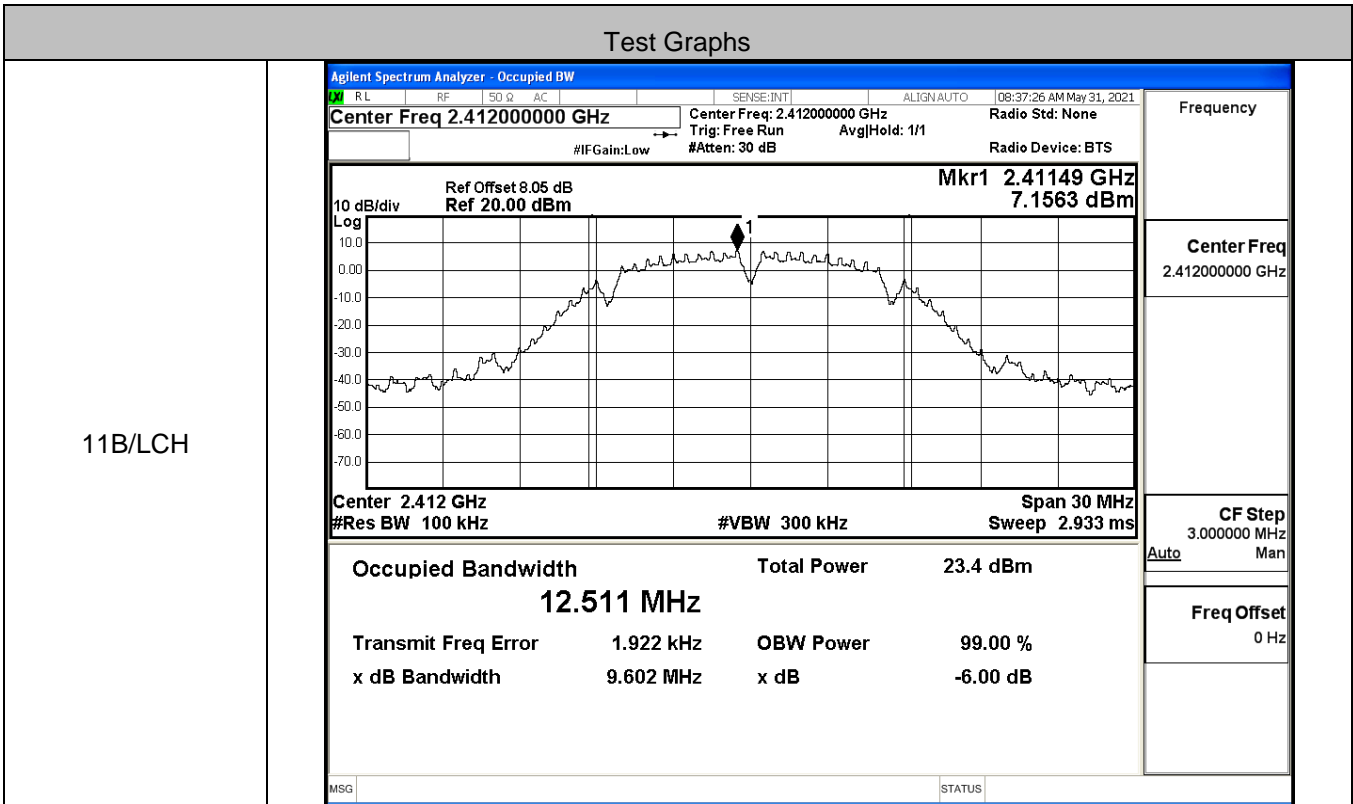
11N40SISO/MCH



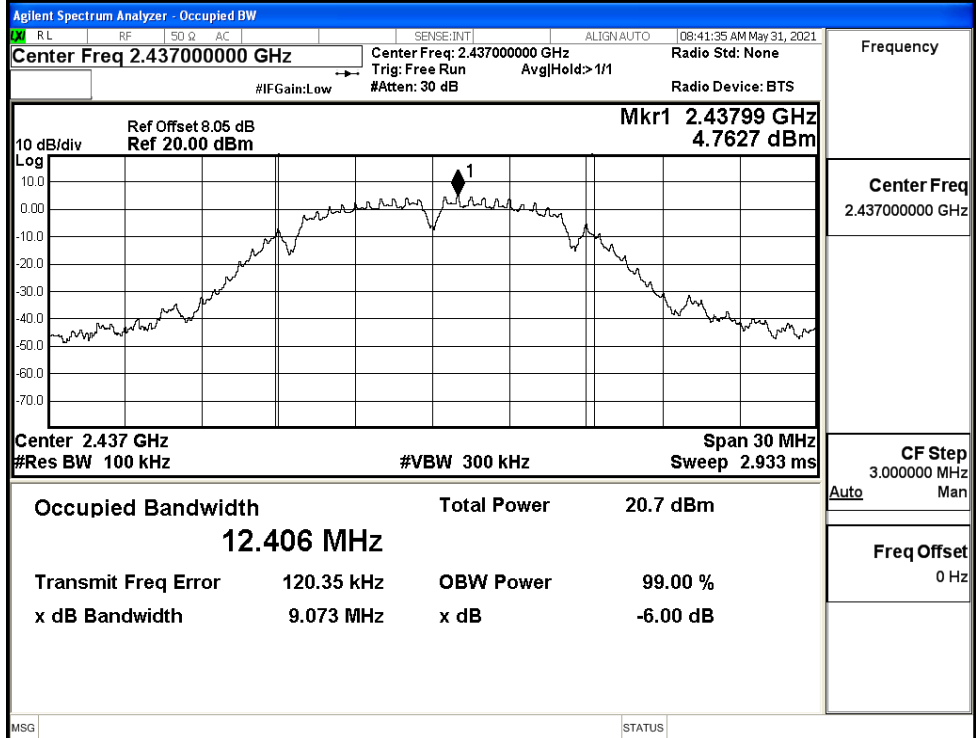


**C.4 6dB Bandwidth**

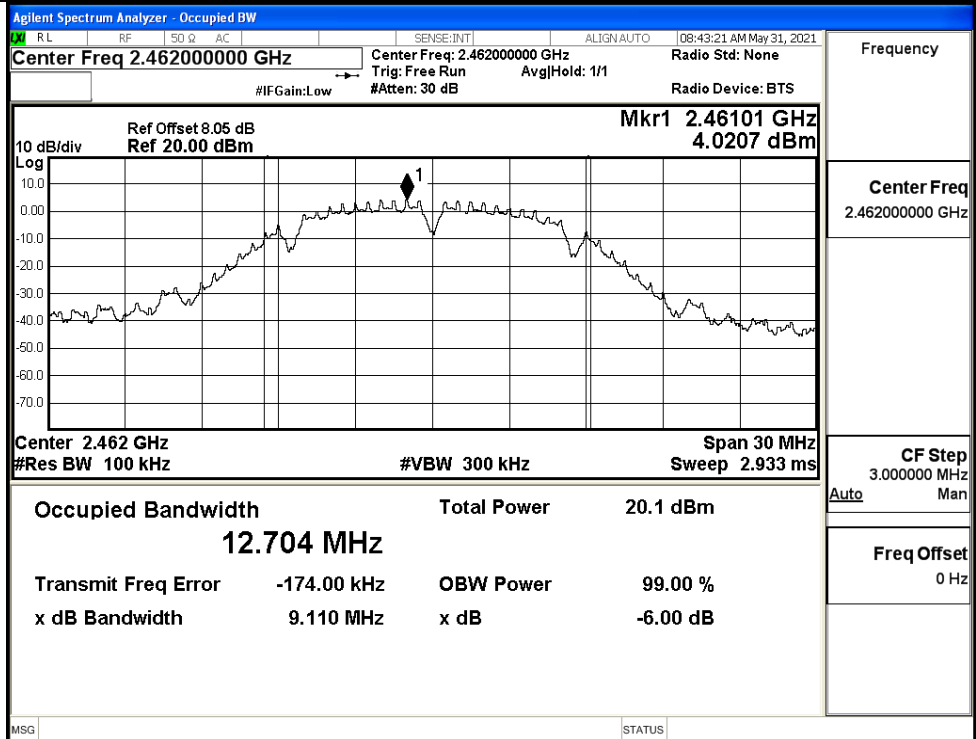
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.602	≥0.5	PASS
	MCH	9.073	≥0.5	PASS
	HCH	9.110	≥0.5	PASS
11G	LCH	15.14	≥0.5	PASS
	MCH	15.15	≥0.5	PASS
	HCH	15.74	≥0.5	PASS
11N20SISO	LCH	15.98	≥0.5	PASS
	MCH	16.00	≥0.5	PASS
	HCH	16.37	≥0.5	PASS
11N40SISO	LCH	35.77	≥0.5	PASS
	MCH	35.50	≥0.5	PASS
	HCH	35.36	≥0.5	PASS



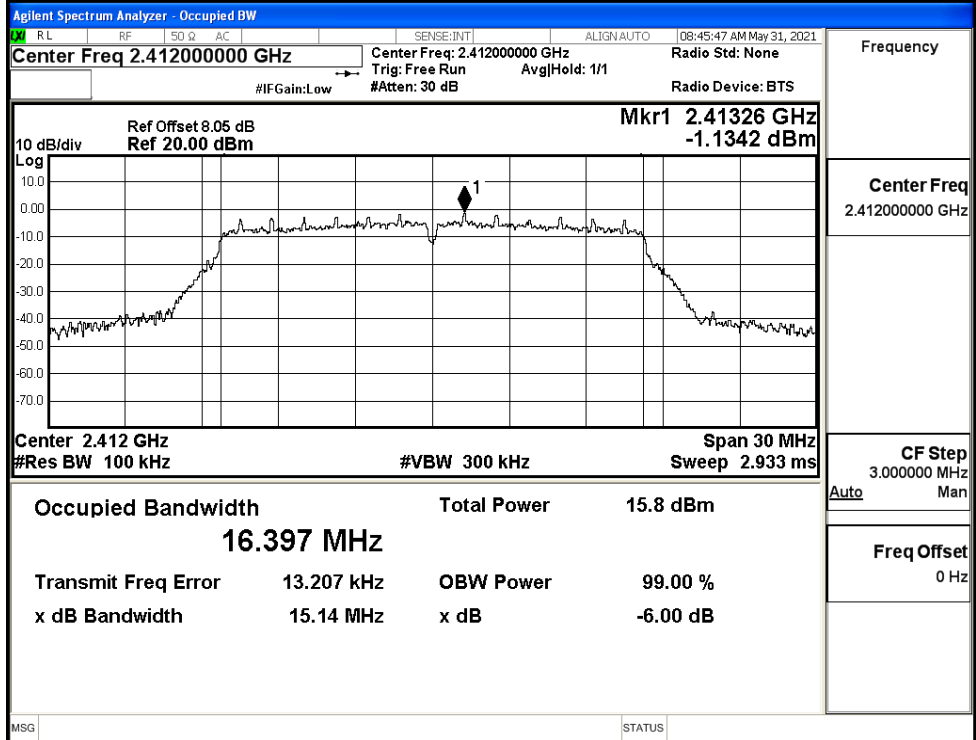
11B/MCH



11B/HCH

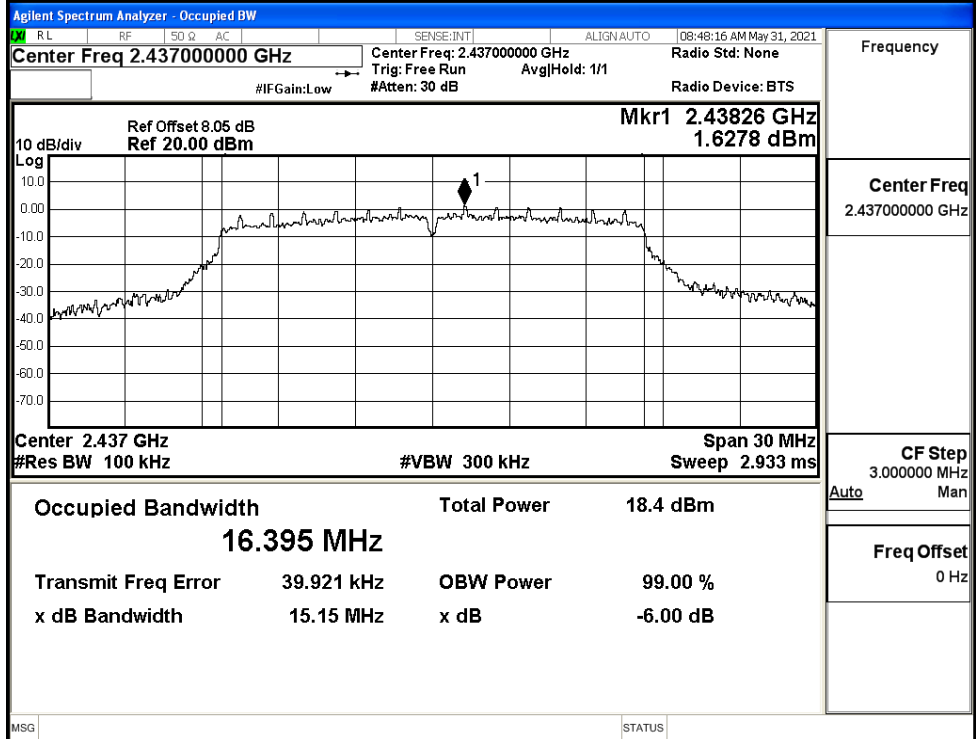


11G/LCH



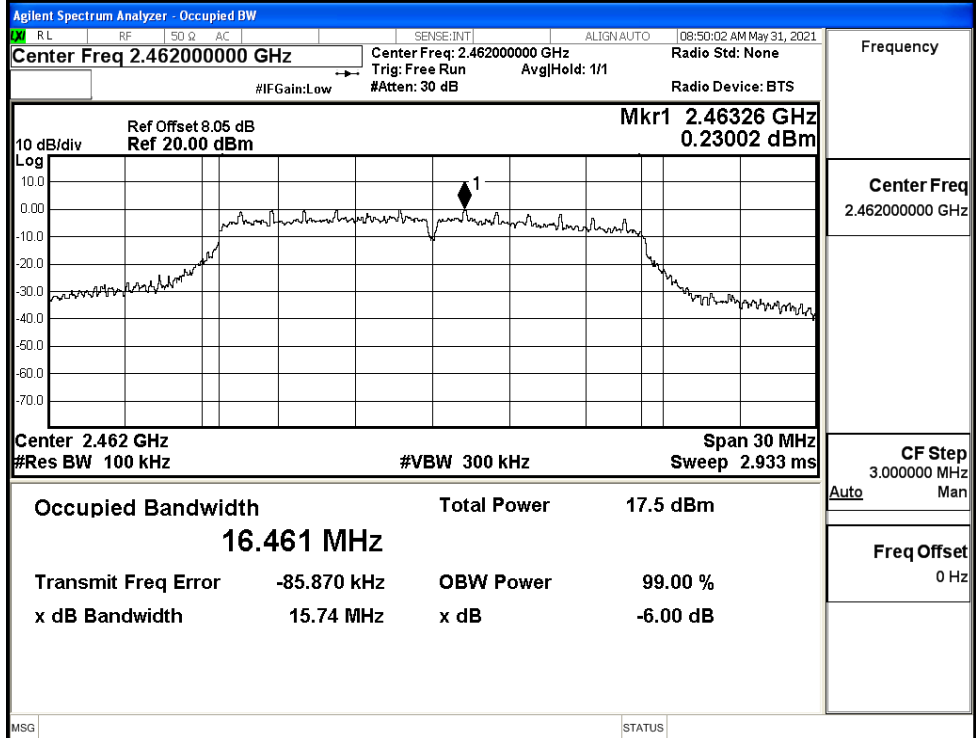
Frequency	2.41200000 GHz
Center Freq	2.41200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11G/MCH



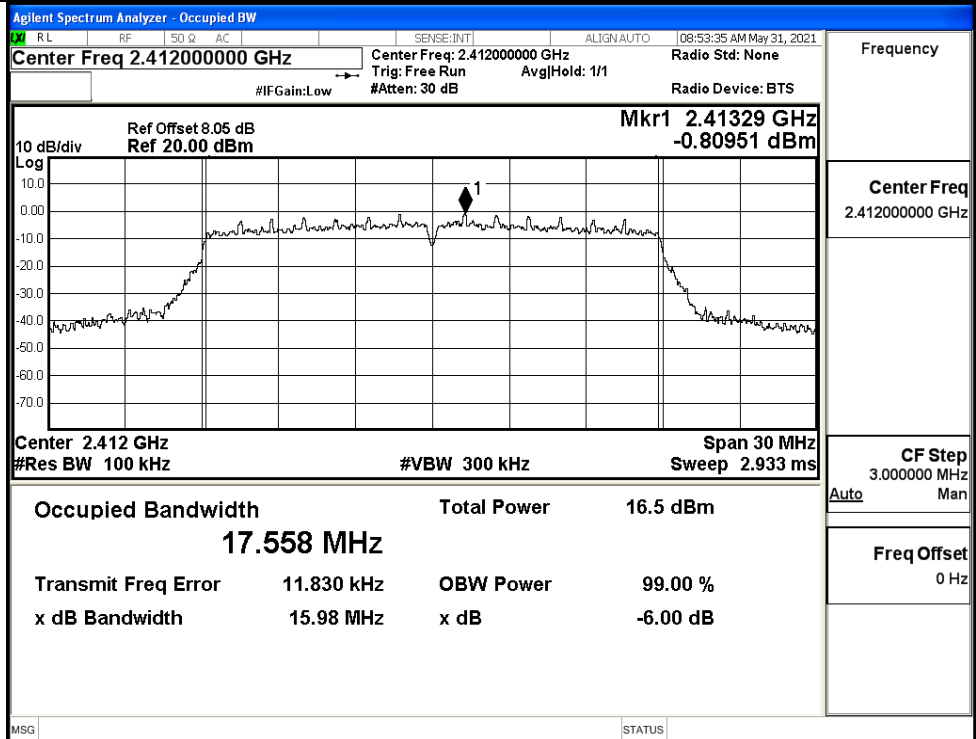
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Center Freq	2.43700000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11G/HCH



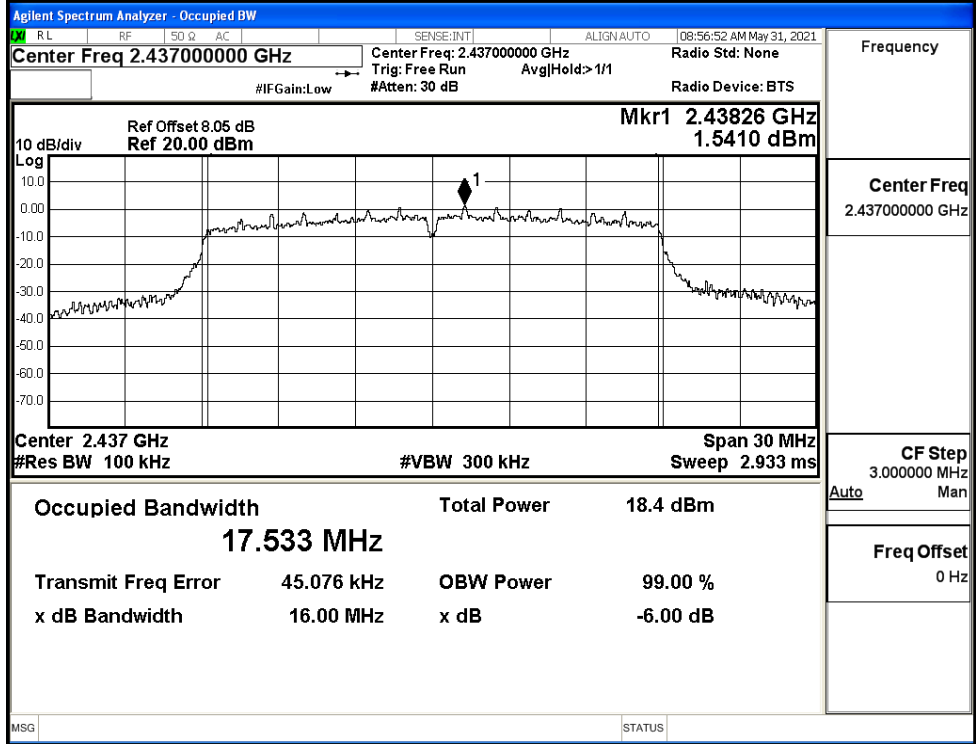
Frequency	
Center Freq	2.46200000 GHz
CF Step	3.000000 MHz
Freq Offset	0 Hz

11N20SISO/LCH

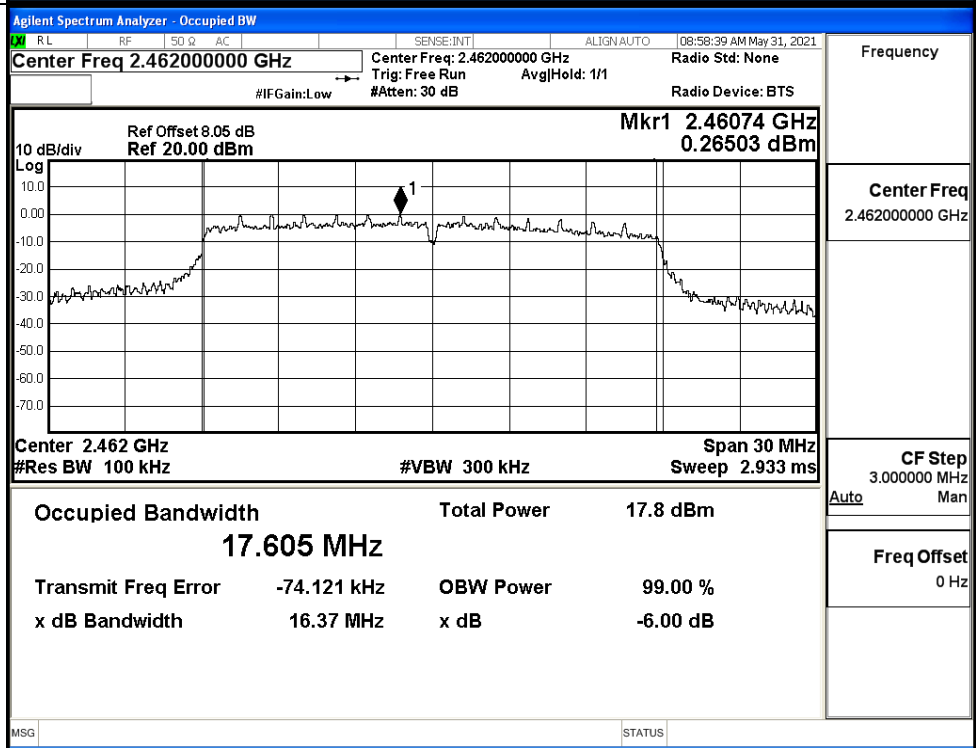


Frequency	
Center Freq	2.41200000 GHz
CF Step	3.000000 MHz
Freq Offset	0 Hz

11N20SISO/MCH

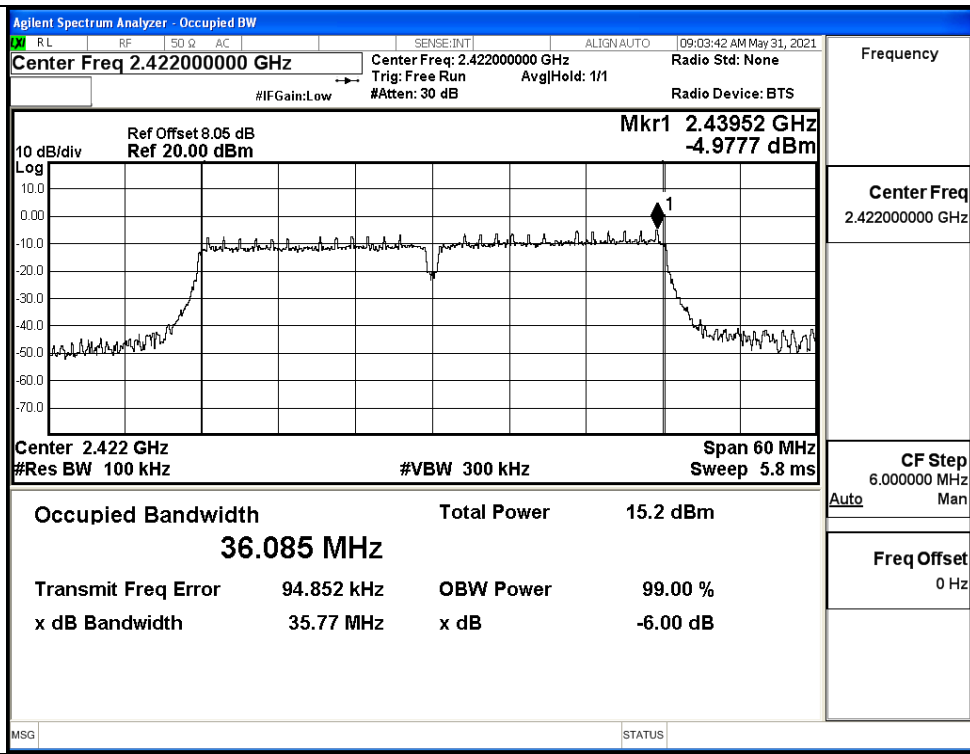


11N20SISO/HCH

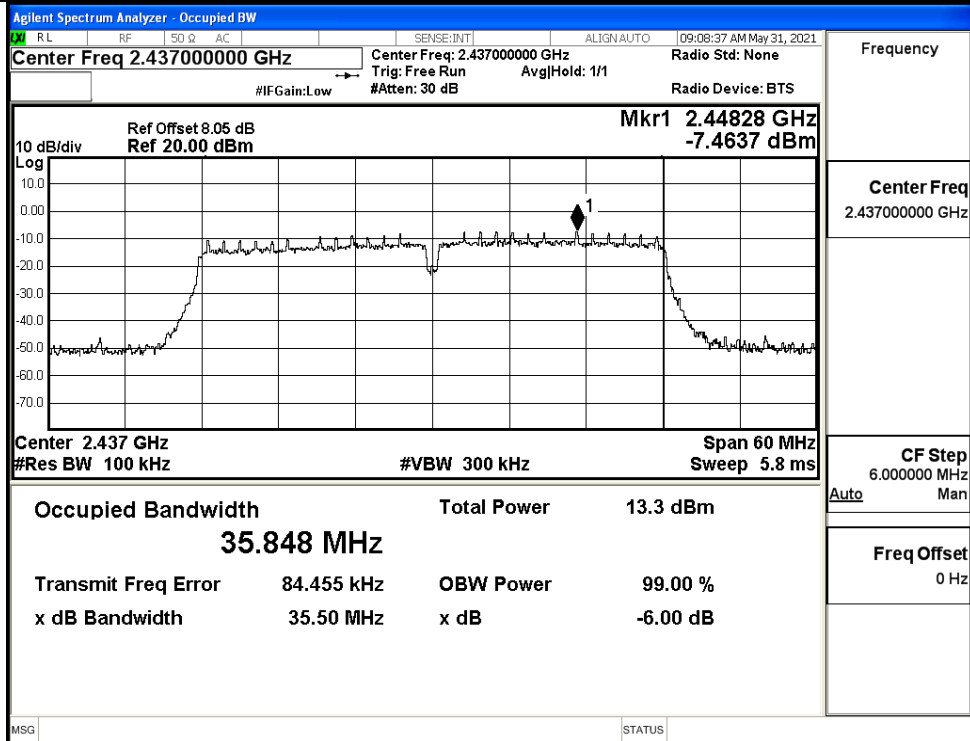




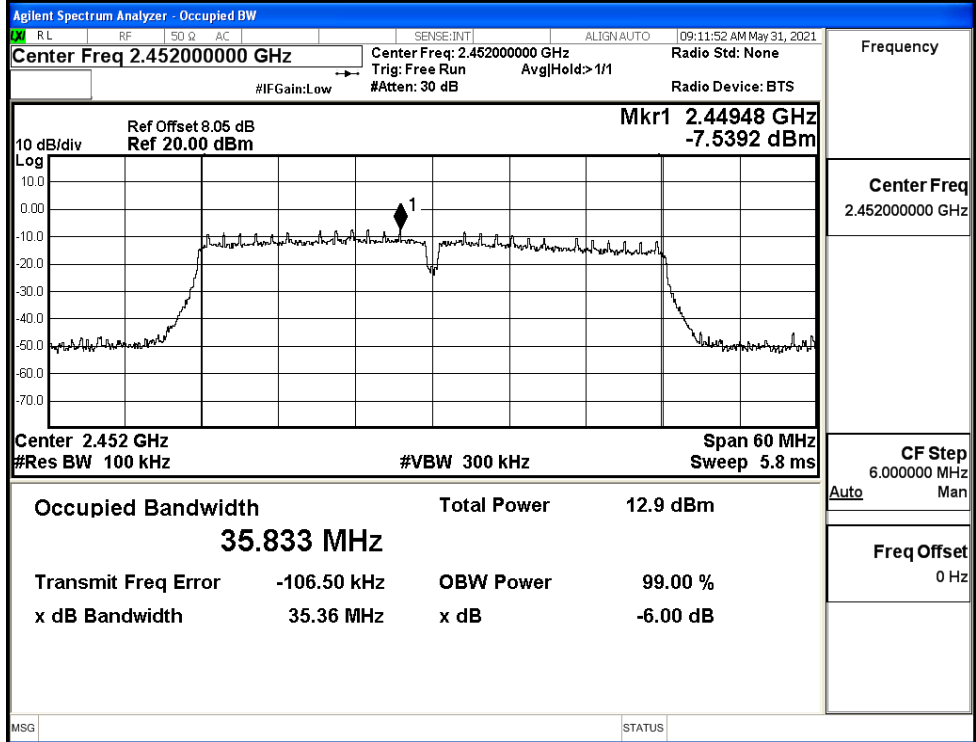
11N40SISO/LCH



11N40SISO/MCH



11N40SISO/HCH

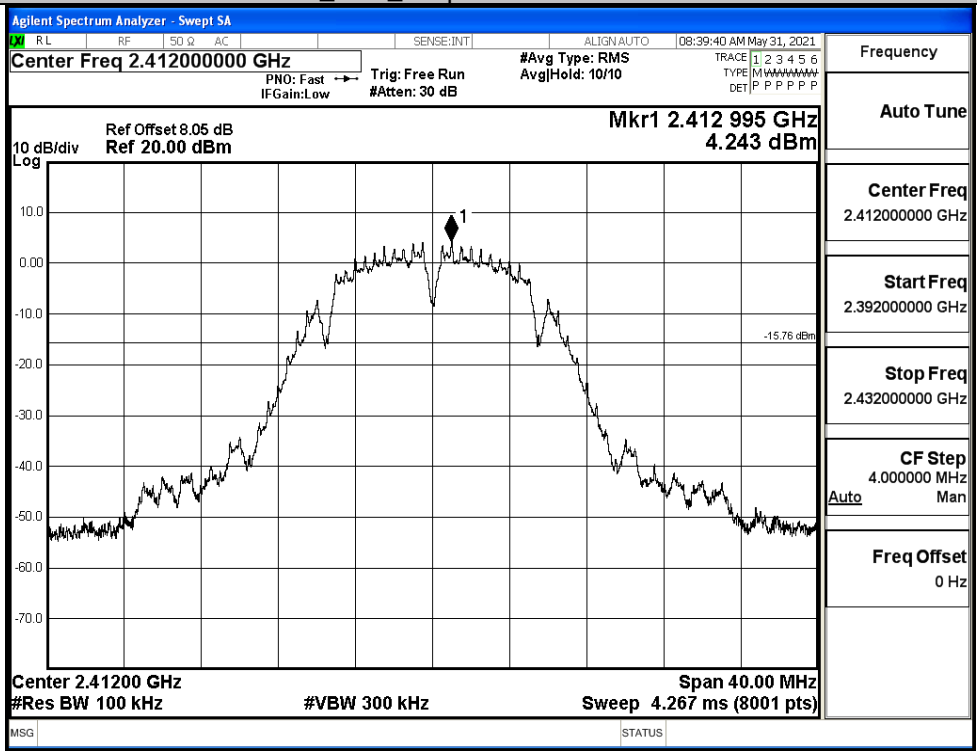


**C.5 RF Conducted Spurious Emissions**

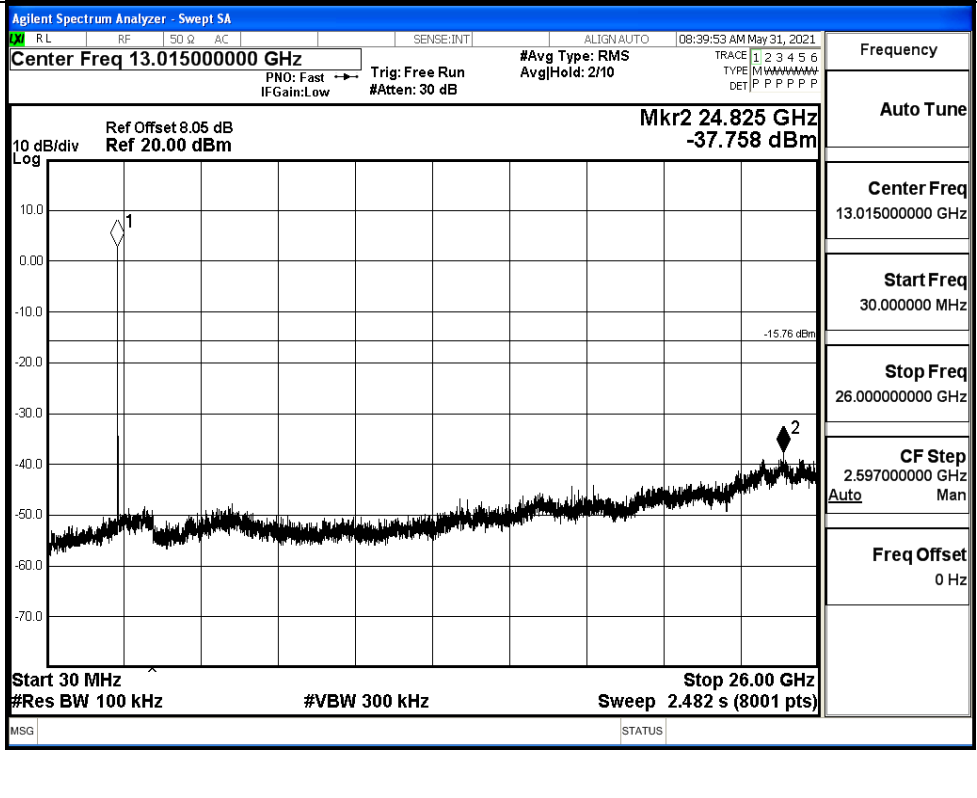
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	4.243	-37.758	-15.757	PASS
	MCH	4.516	-38.412	-15.484	PASS
	HCH	3.85	-38.857	-16.150	PASS
11G	LCH	-1.918	-37.153	-21.918	PASS
	MCH	1.009	-37.973	-18.991	PASS
	HCH	-0.028	-38.500	-20.028	PASS
11N20 SISO	LCH	-5.274	-38.425	-25.274	PASS
	MCH	0.6	-38.573	-19.400	PASS
	HCH	-4.253	-38.315	-24.253	PASS
11N40 SISO	LCH	-7.114	-38.393	-27.114	PASS
	MCH	-7.558	-38.627	-27.558	PASS
	HCH	-7.324	-38.012	-27.324	PASS

11B\_LCH\_Graphs

Pref/11B/LCH

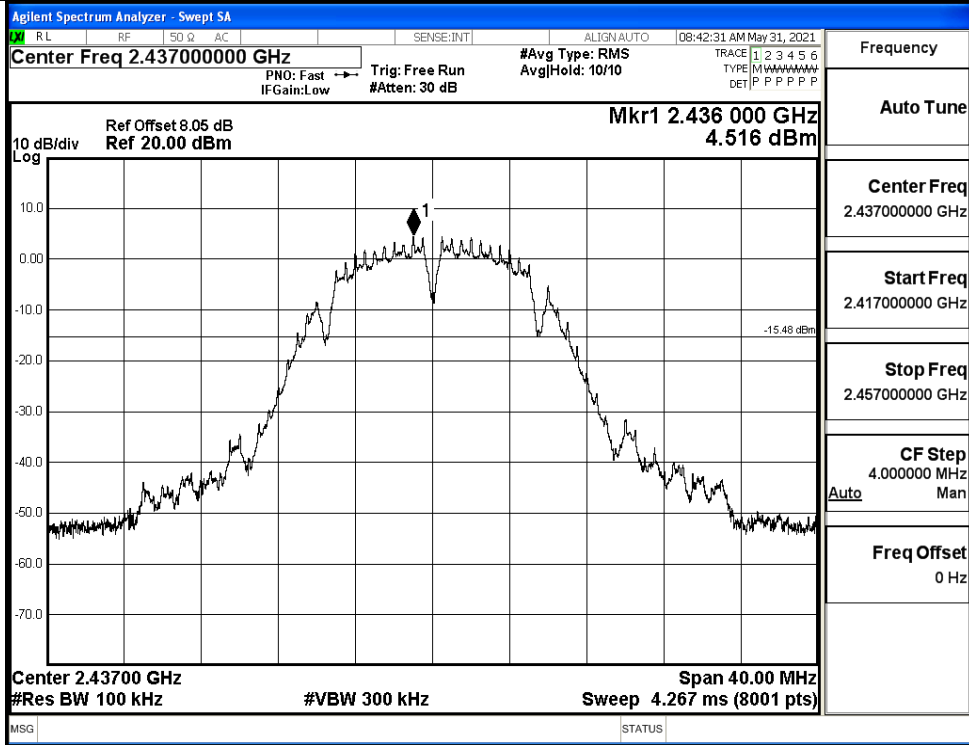


Puw/11B/LCH

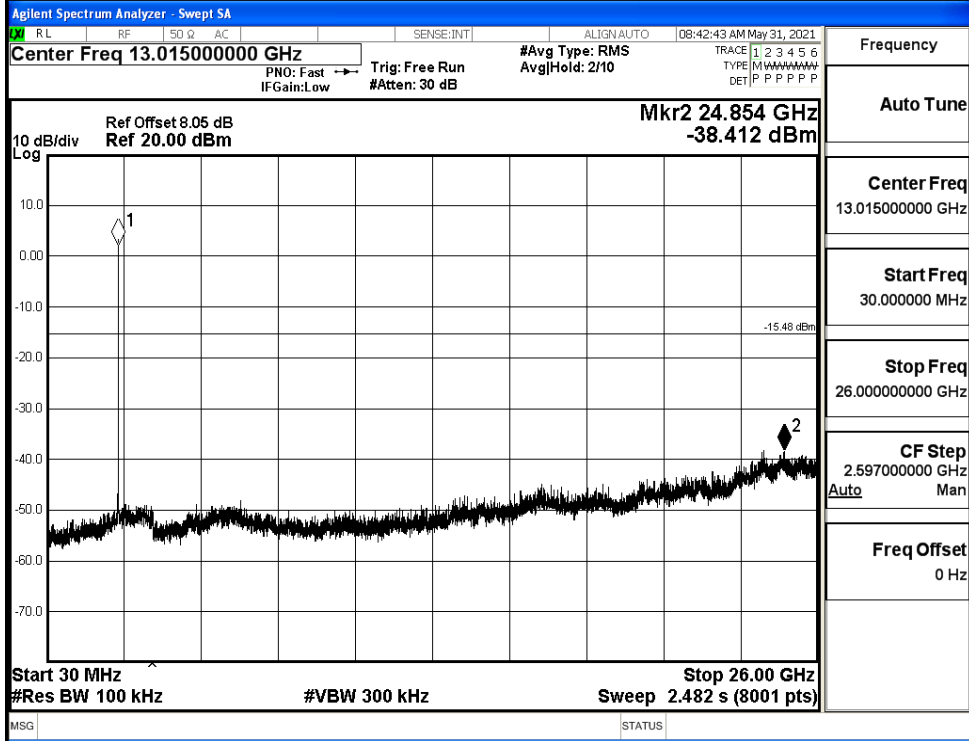


11B\_MCH\_Graphs

Pref/11B/MCH

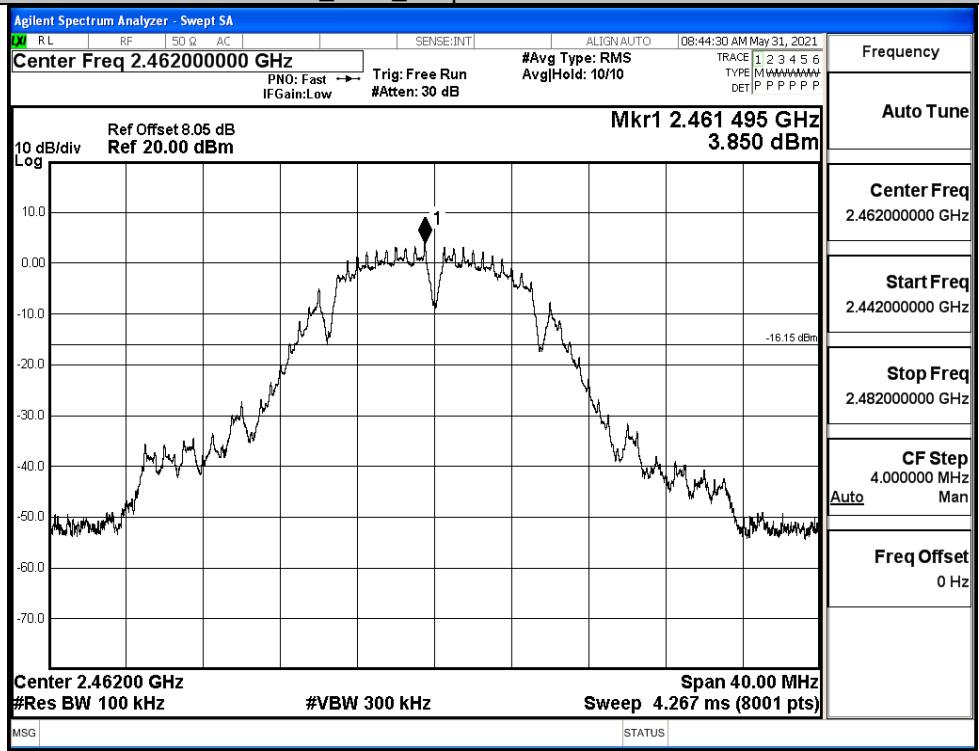


Puw/11B/MCH

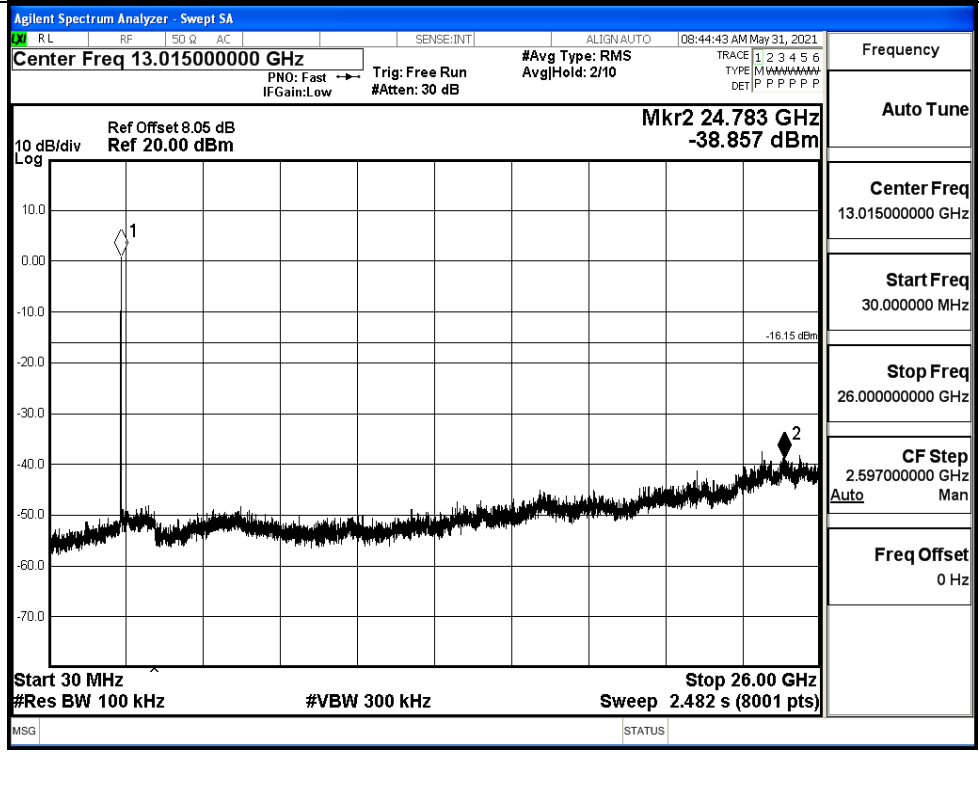


11B\_HCH\_Graphs

Pref/11B/HCH



Puw/11B/HCH

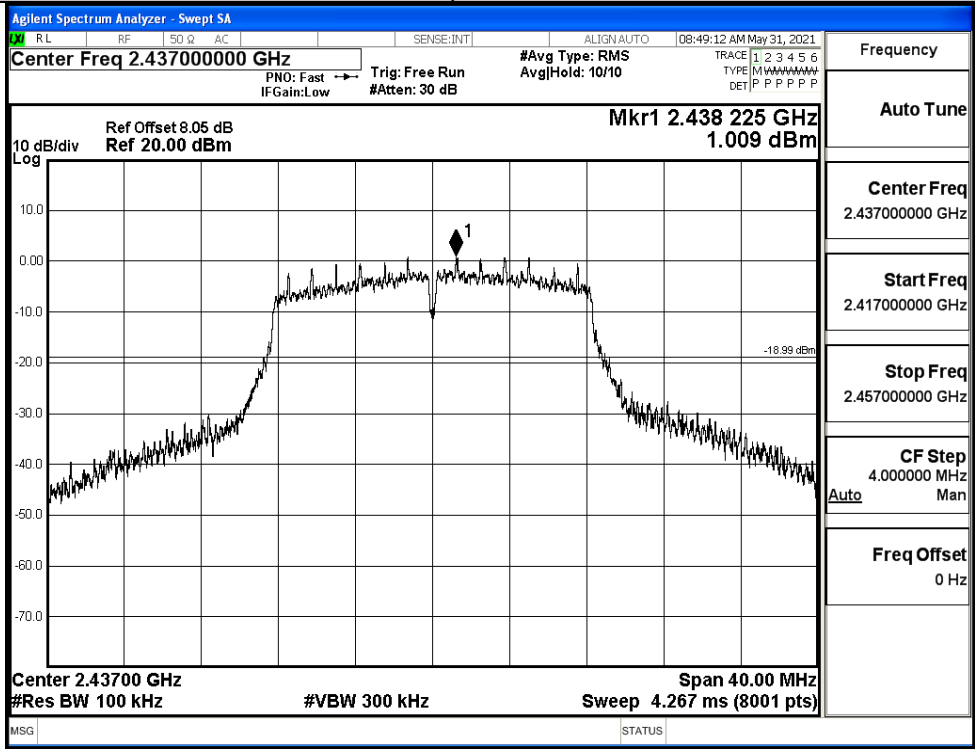


11G\_LCH\_Graphs

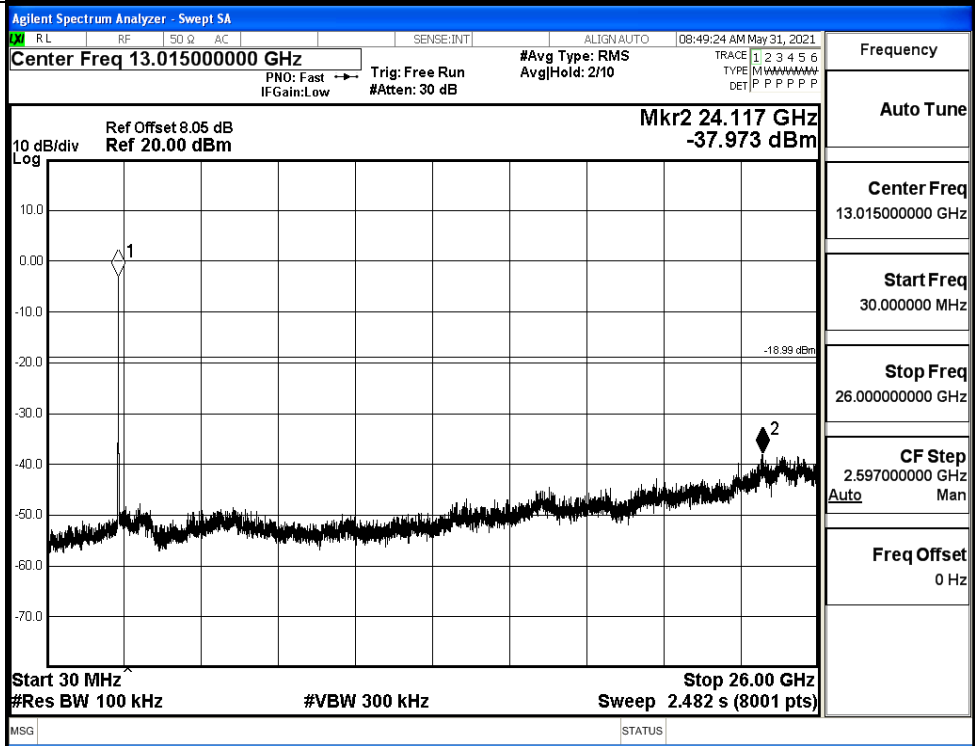
<p>Pref/11G/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.41200000 GHz          PNO: Fast Trig: Free Run #Avg Type: RMS #Atten: 30 dB          IF Gain: Low #Aval: 10/10          08:46:56 AM May 31, 2021          Mkr1 2.410750 GHz -1.918 dBm          Ref Offset 8.05 dB Ref 20.00 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/11G/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 13.01500000 GHz          PNO: Fast Trig: Free Run #Avg Type: RMS #Atten: 30 dB          IF Gain: Low #Aval: 2/10          08:47:09 AM May 31, 2021          Mkr2 24.792 GHz -37.153 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\_MCH\_Graphs

Pref/11G/MCH



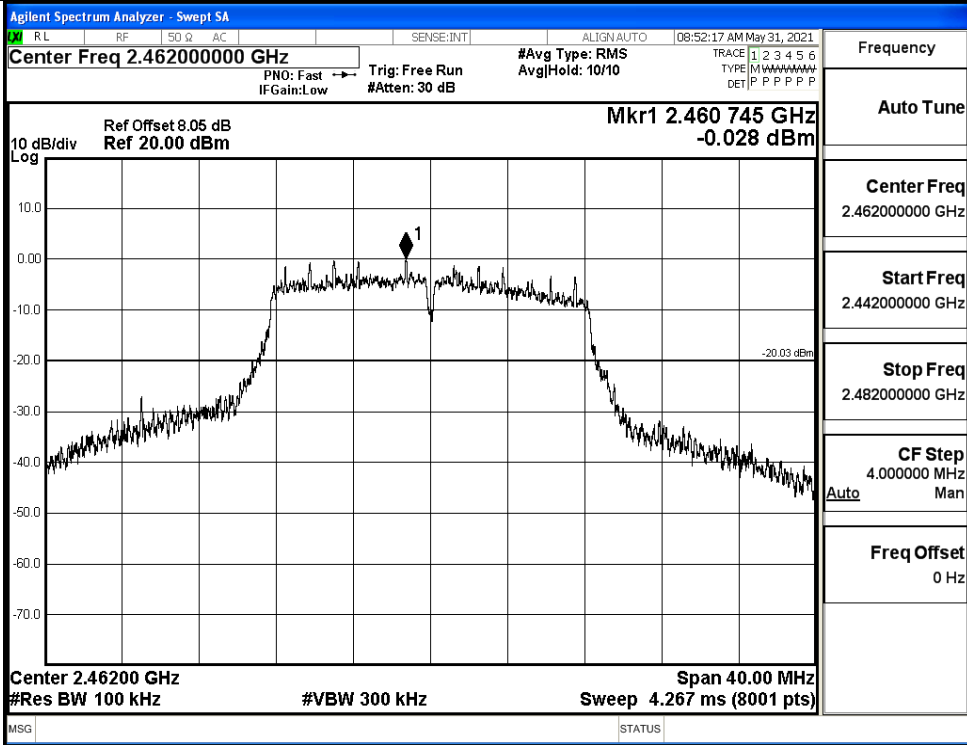
Puw/11G/MCH



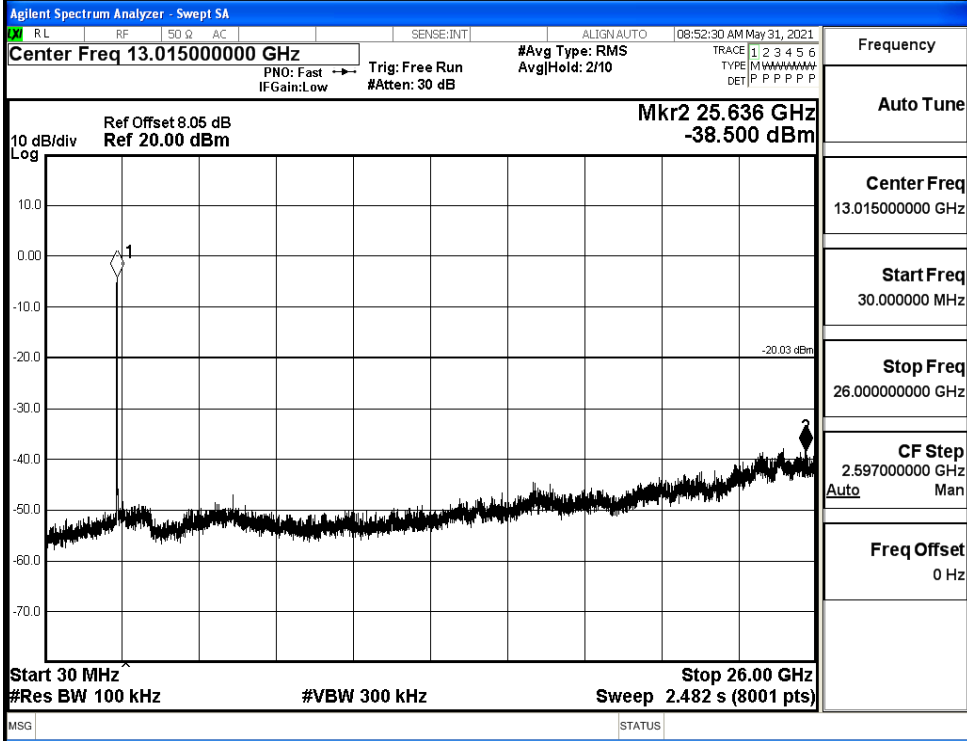


11G\_HCH\_Graphs

Pref/11G/HCH

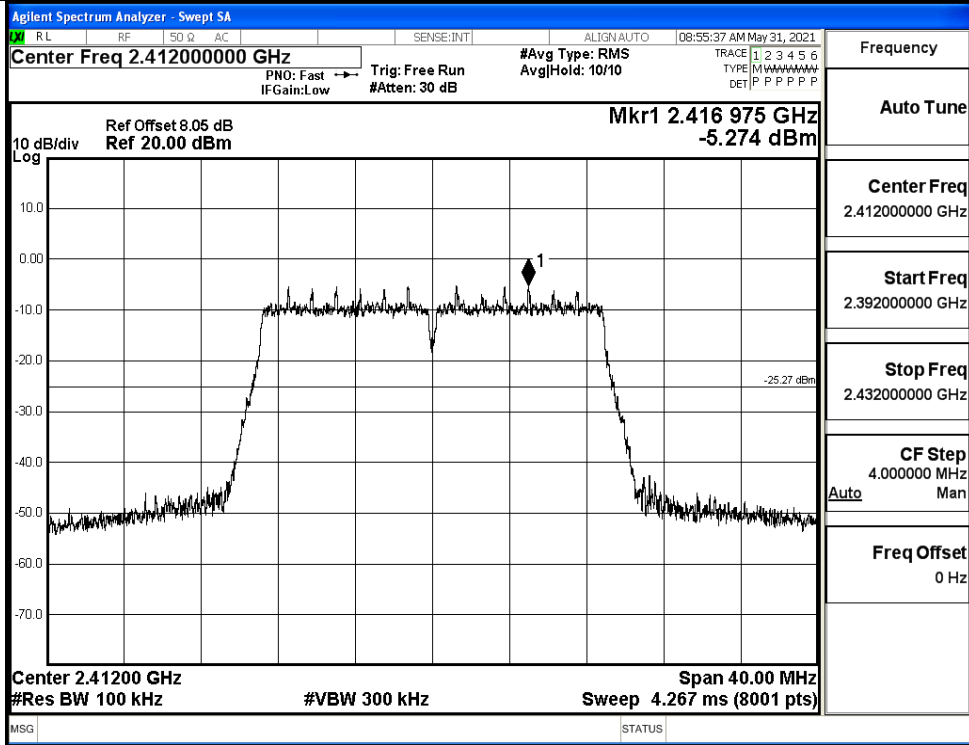


Puw/11G/HCH

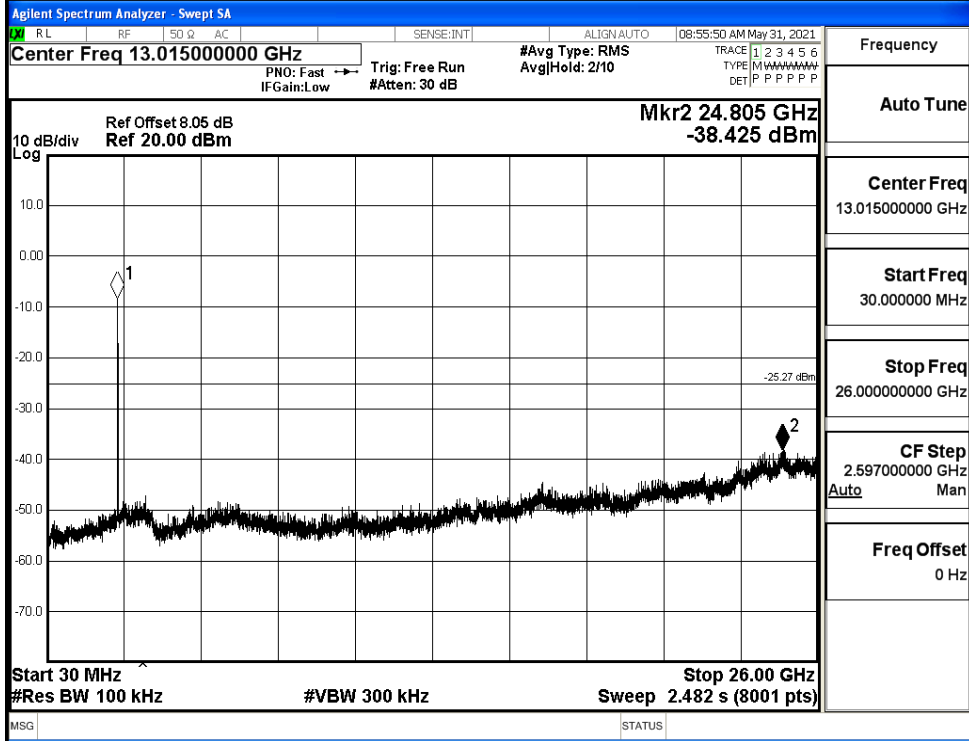


11N20SISO LCH\_Graphs

Pref/11N20SIS  
O/LCH

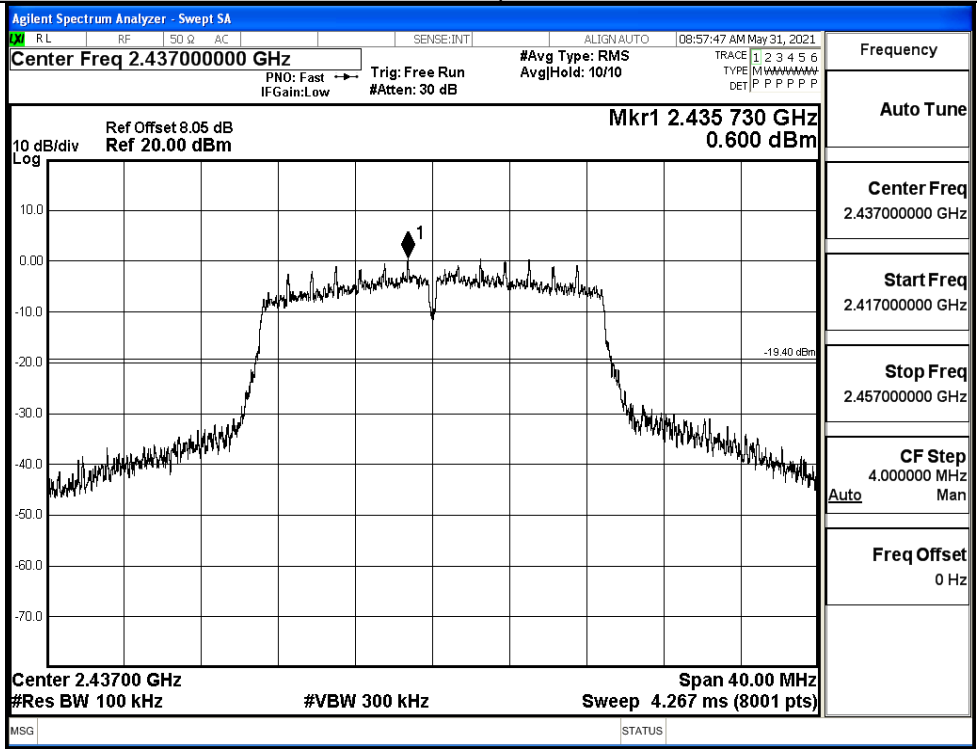


Puw/11N20  
SISO/LCH

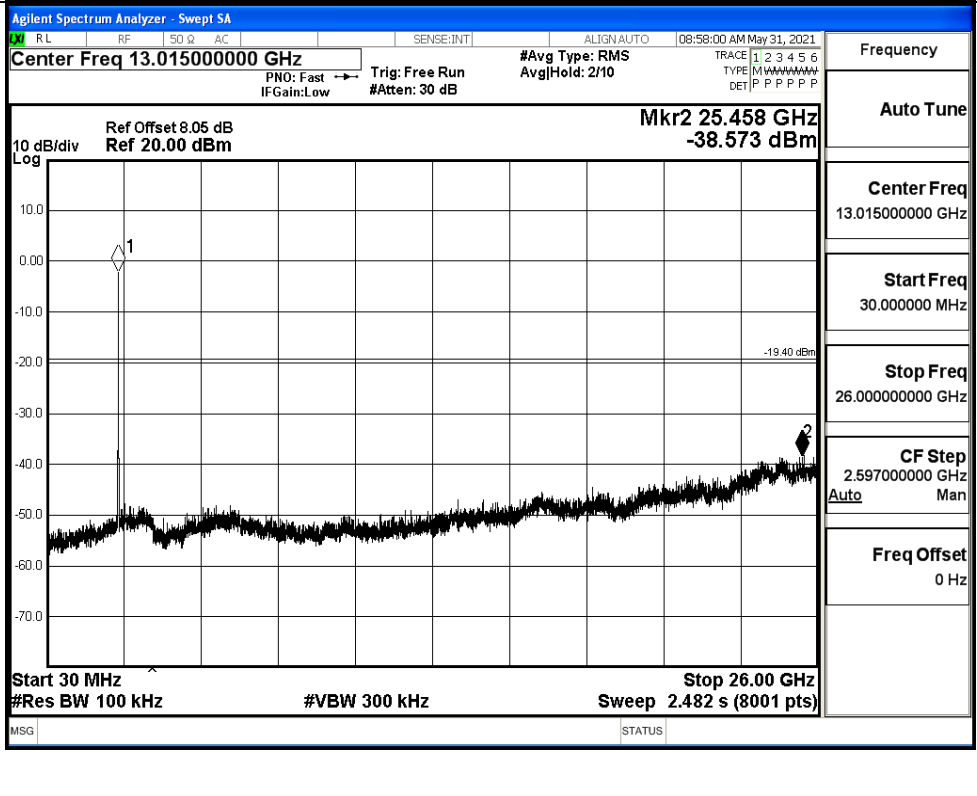


11N20SISO\_MCH\_Graphs

Pref/11N20  
SISO/MCH



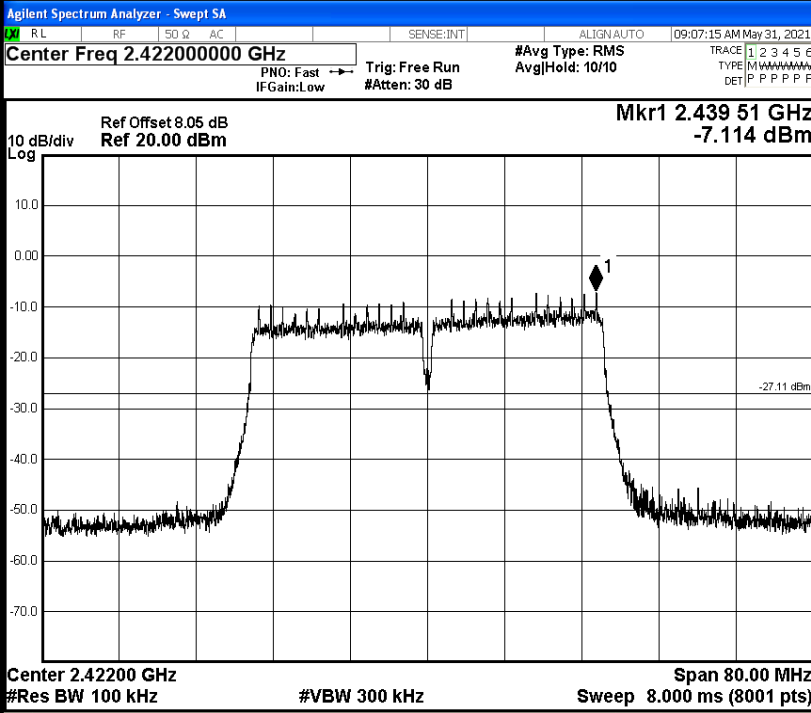
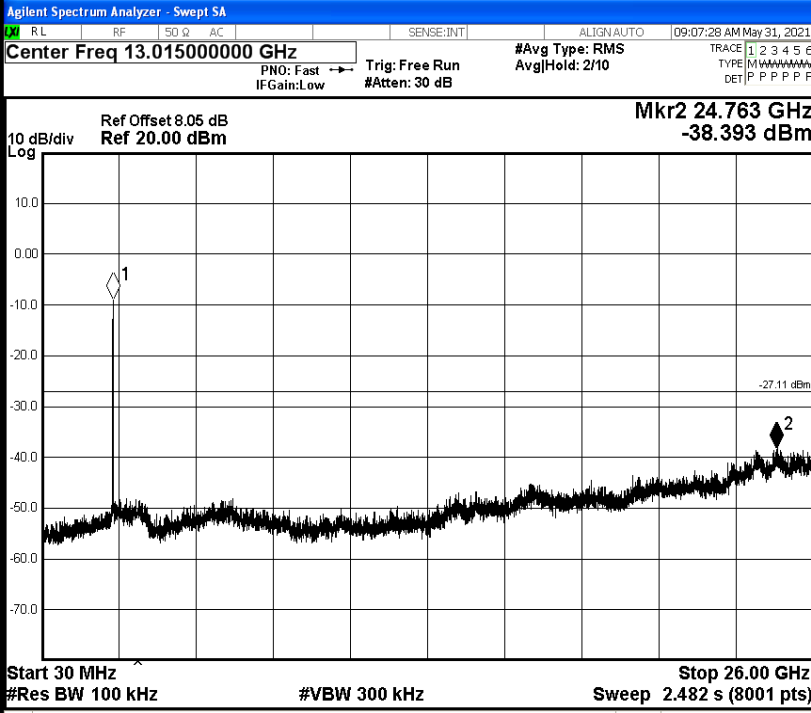
Puw/11N20  
SISO/MCH



11N20SISO\_HCH\_Graphs

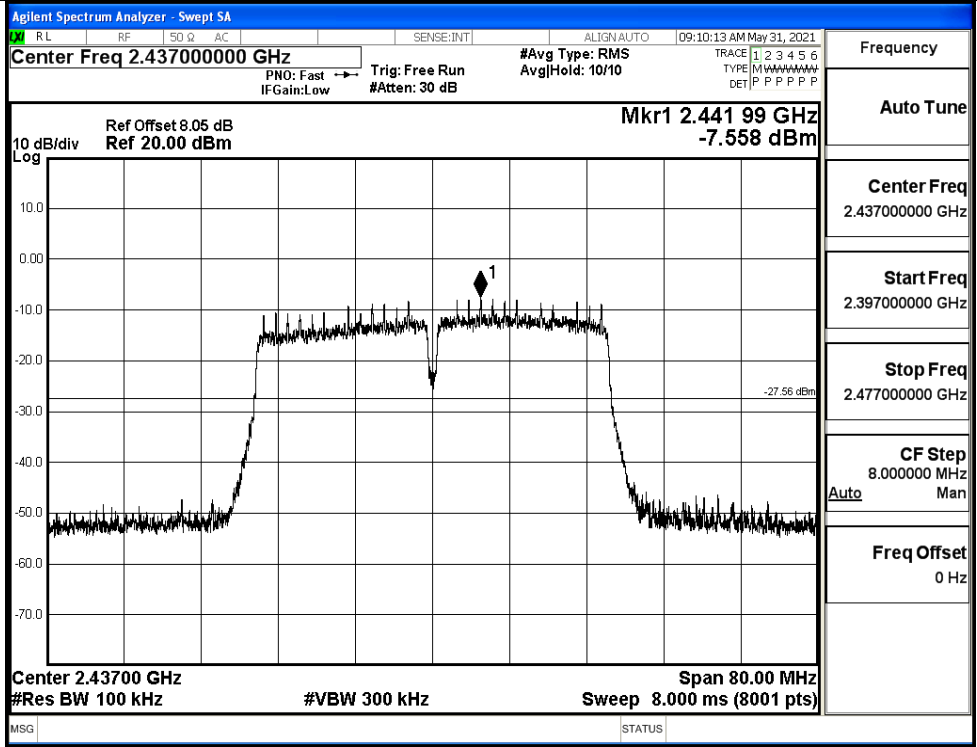
<p>Pref/11N20 SISO/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.462000000 GHz</p> <p>Start Freq 2.442000000 GHz</p> <p>Stop Freq 2.482000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11N20 SISO/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 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

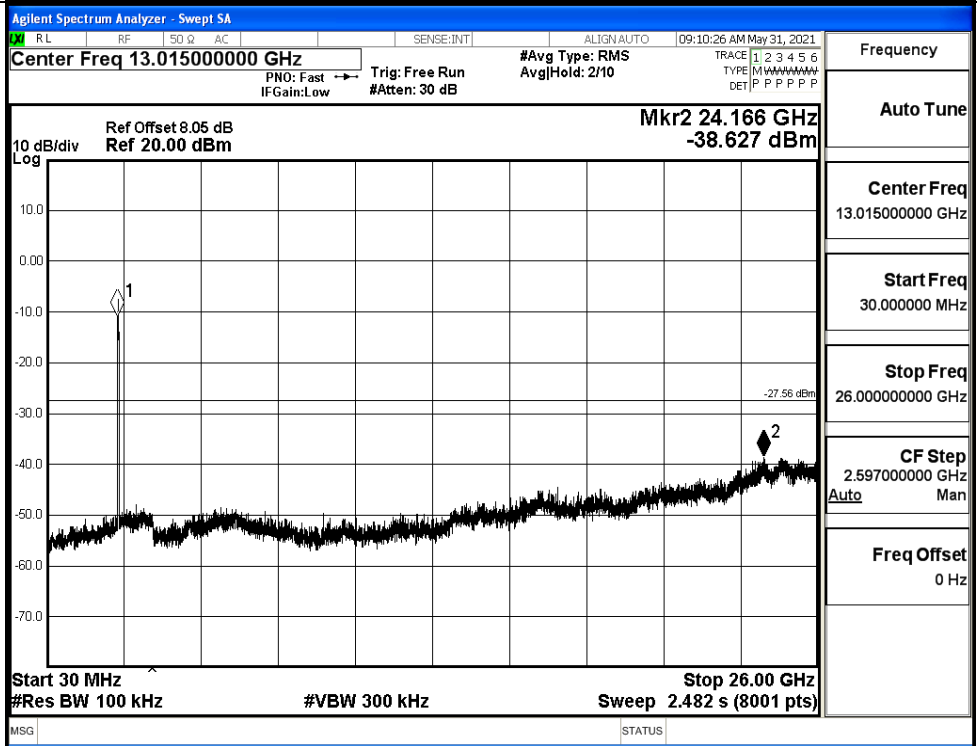
<p>Pref/11N40 SISO/LCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.42200000 GHz</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr1 2.439 51 GHz -7.114 dBm</p> <p>10 dB/div Log</p> <p>Center 2.42200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 8.000 ms (8001 pts)</p>	<p>Frequency</p> <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>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr2 24.763 GHz -38.393 dBm</p> <p>10 dB/div Log</p> <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.482 s (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 13.015000000 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

Pref/11N40  
SISO/MCH



Puw/11N40  
SISO/MCH

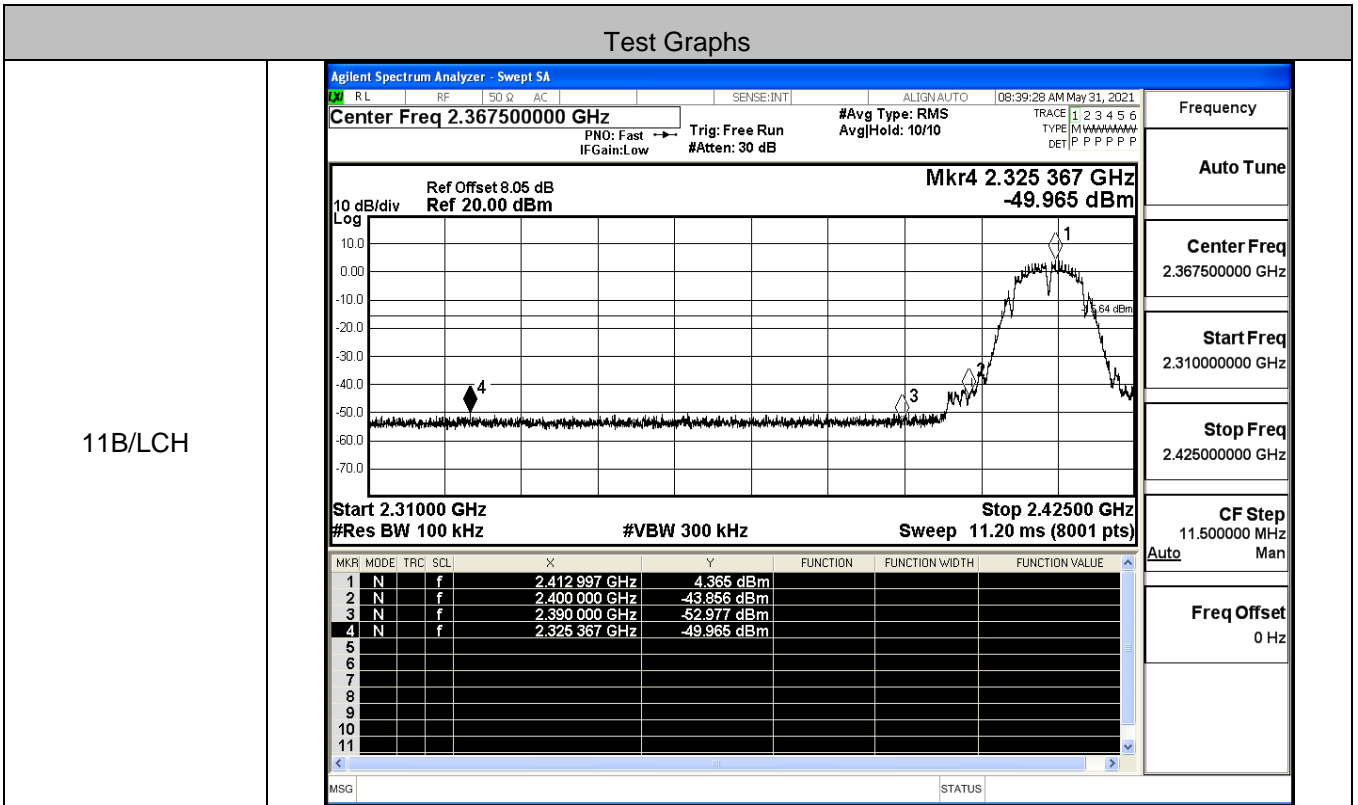


11N40SISO\_HCH\_Graphs

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

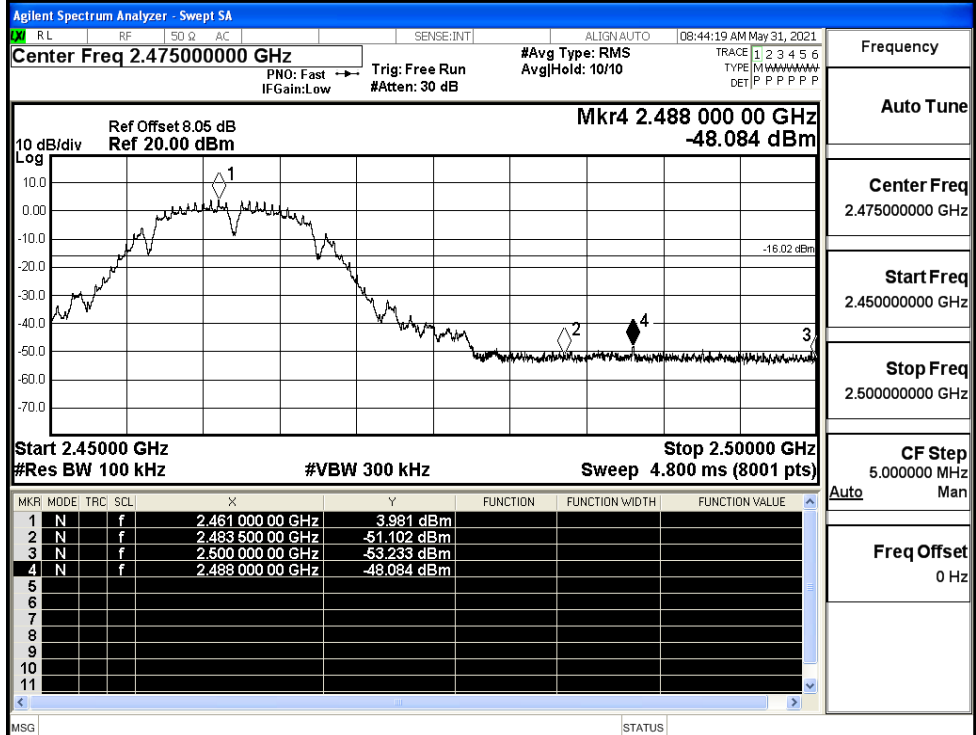
### C.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	4.365	-49.965	-15.64	PASS
	HCH	3.981	-48.084	-16.02	PASS
11G	LCH	-1.218	-49.811	-21.22	PASS
	HCH	0.162	-43.638	-19.84	PASS
11N20SISO	LCH	-4.980	-49.195	-24.98	PASS
	HCH	-3.803	-46.432	-23.8	PASS
11N40SISO	LCH	-7.369	-49.638	-27.37	PASS
	HCH	-7.290	-45.717	-27.29	PASS

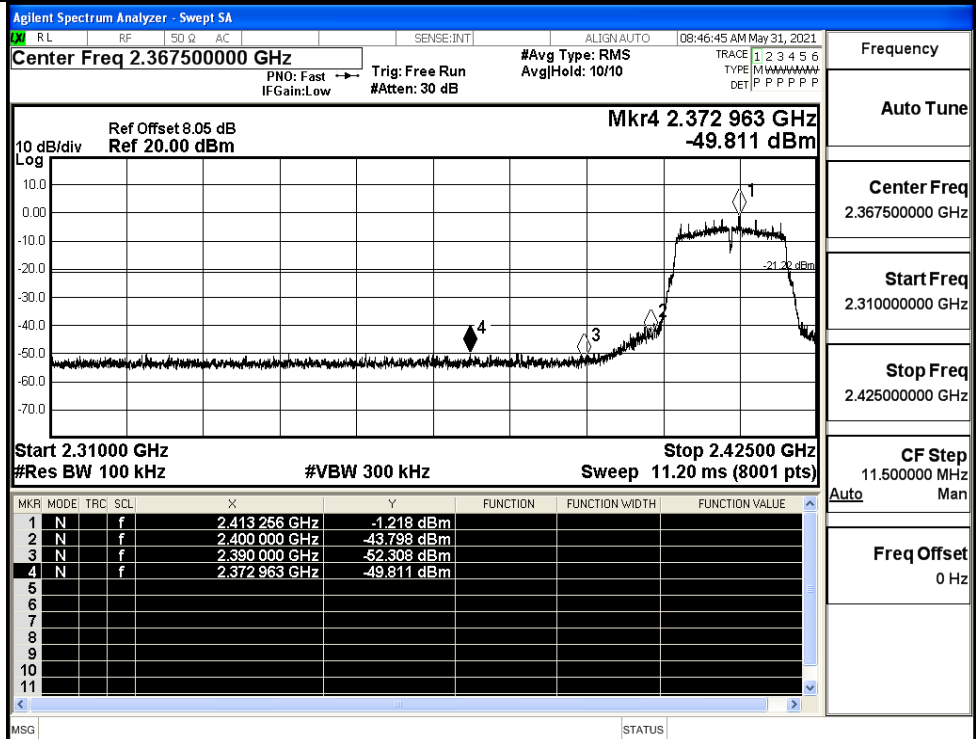




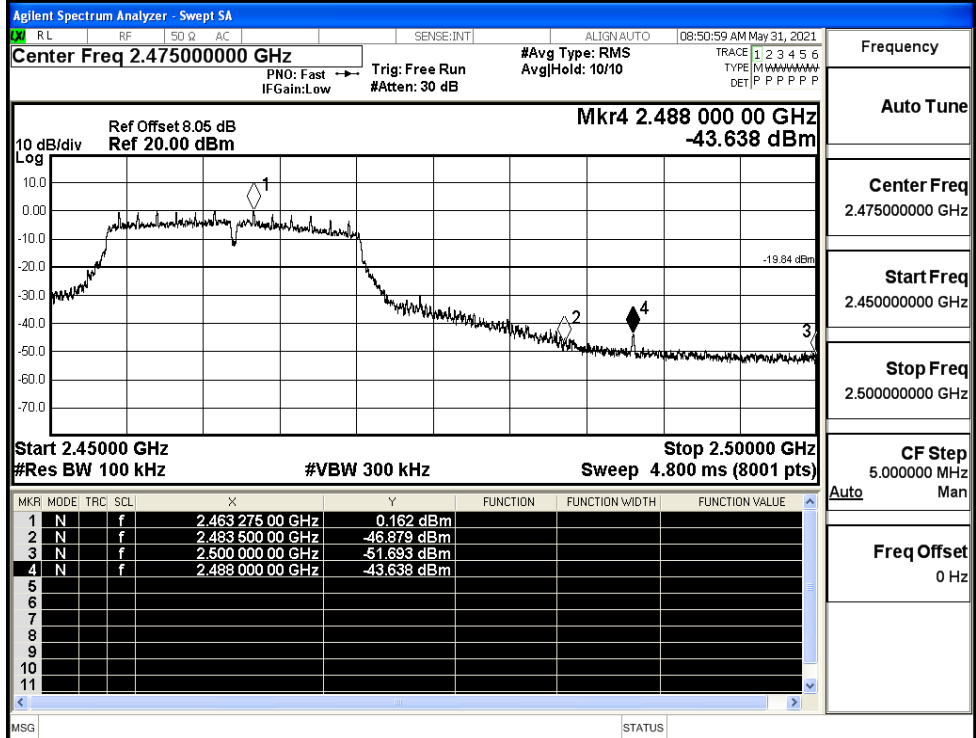
11B/HCH



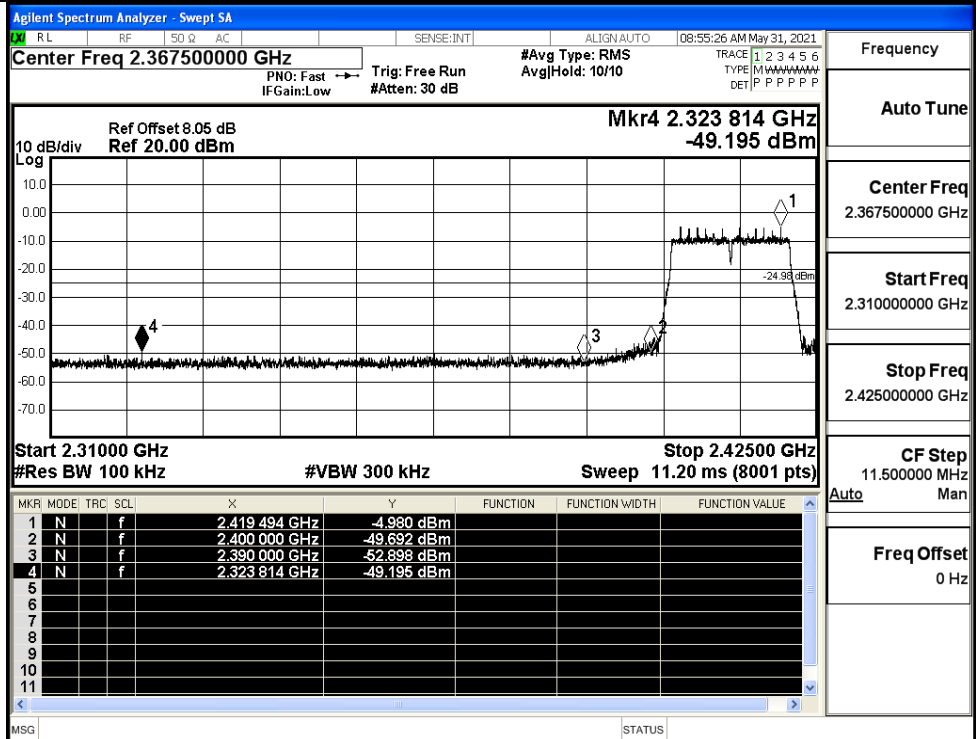
11G/LCH



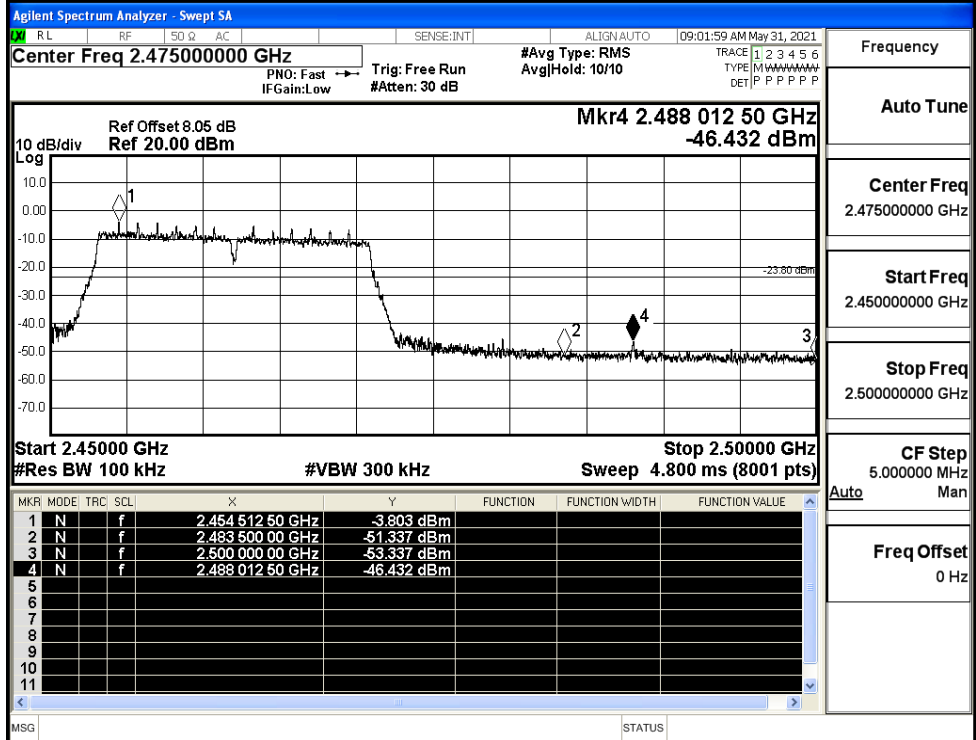
11G/HCH



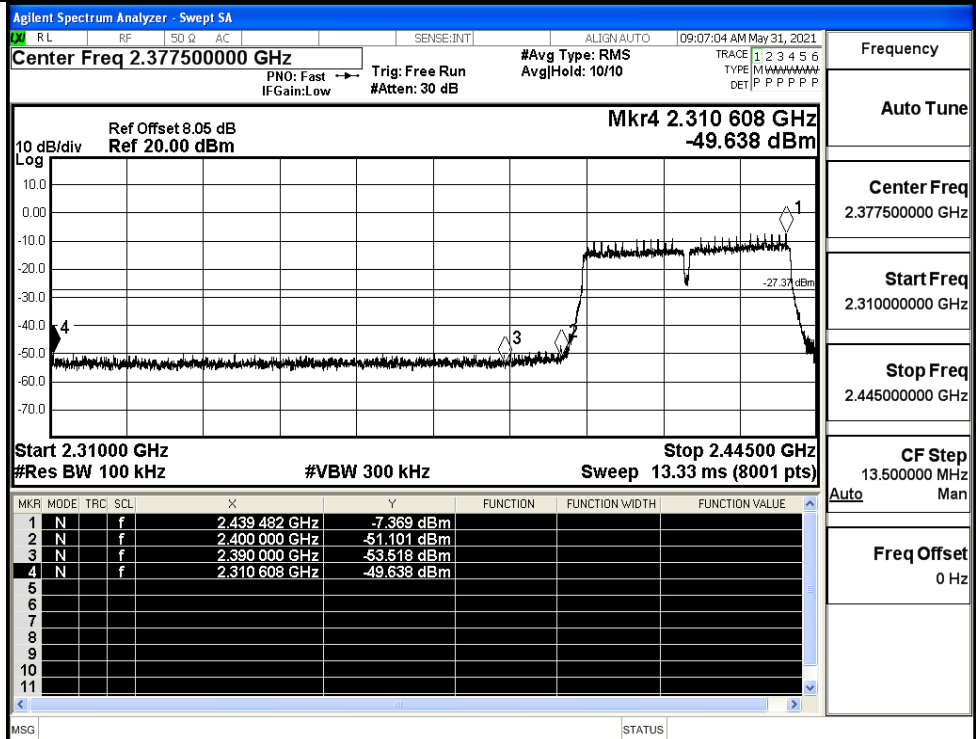
11N20SISO/LCH



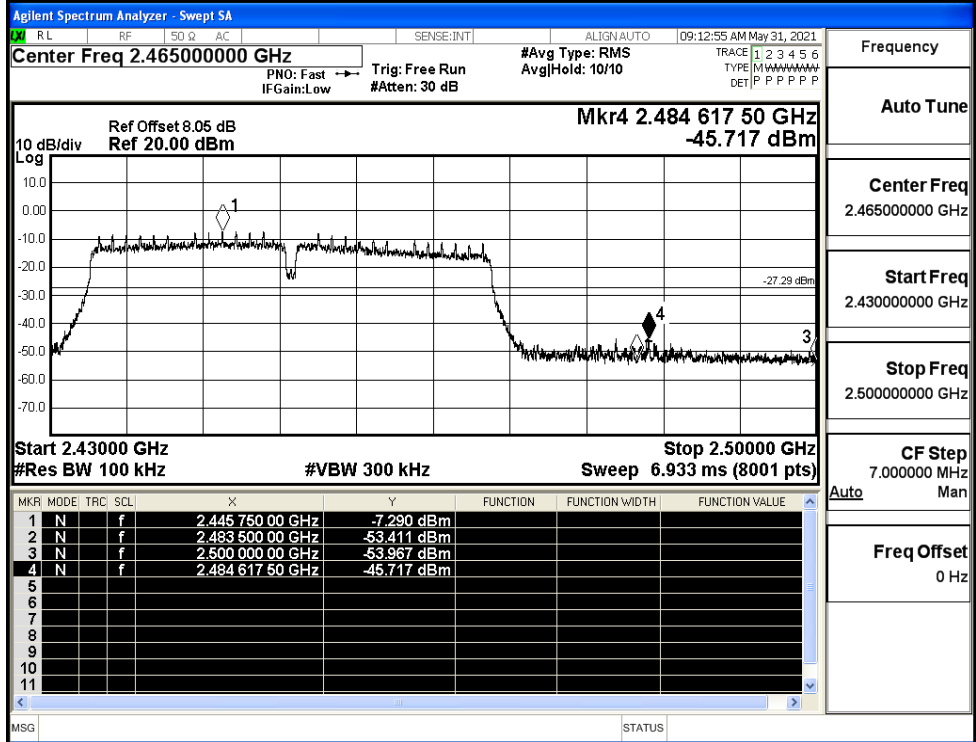
11N20SISO/HCH



11N40SISO/LCH



11N40SISO/HCH

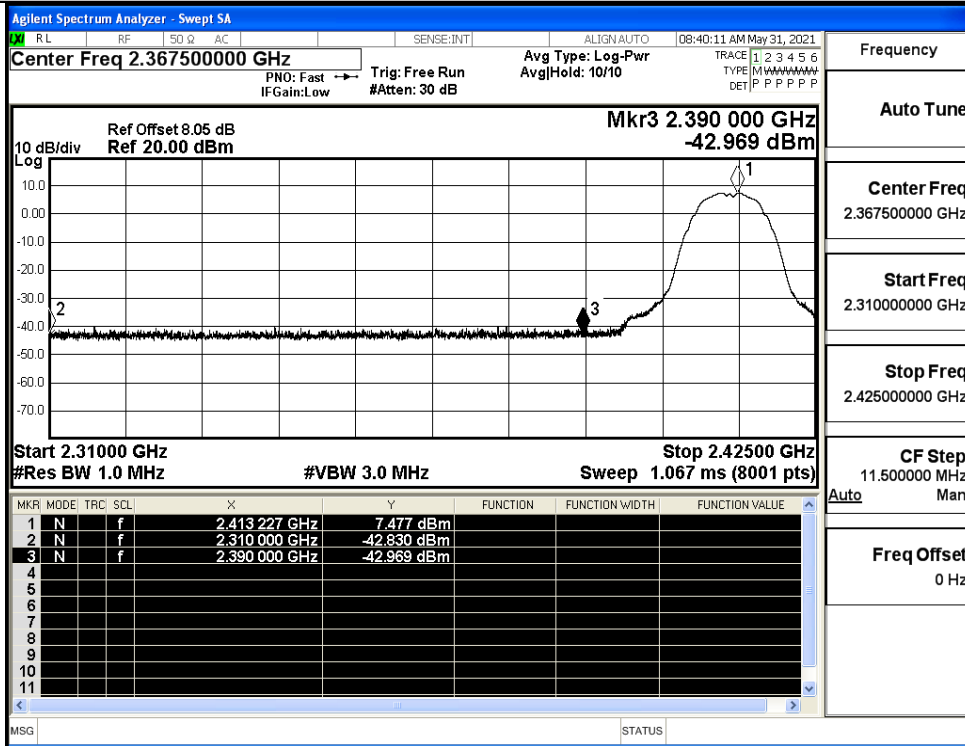


### C.7 Restrict-band band-edge measurements

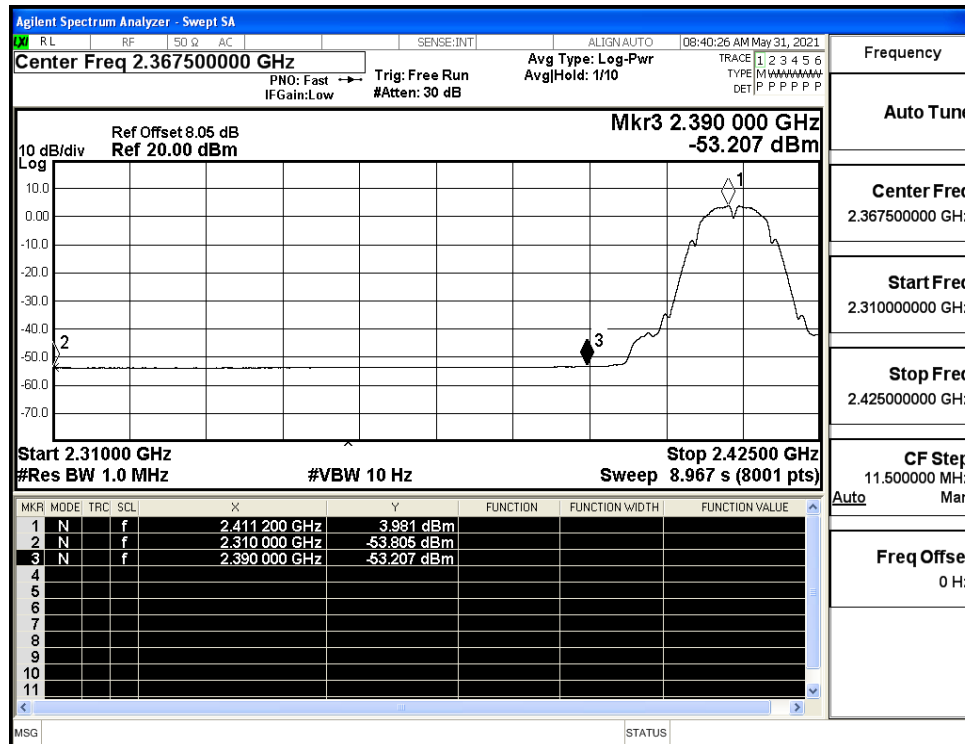
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
11B	2412	Ant1	2310.0	-42.83	2.0	0	54.40	PEAK	74	PASS
	2412	Ant1	2310.0	-53.81	2.0	0	43.42	AV	54	PASS
	2412	Ant1	2390.0	-42.97	2.0	0	54.26	PEAK	74	PASS
	2412	Ant1	2390.0	-53.21	2.0	0	44.02	AV	54	PASS
	2462	Ant1	2483.5	-41.02	2.0	0	56.21	PEAK	74	PASS
	2462	Ant1	2483.5	-52.23	2.0	0	45.00	AV	54	PASS
	2462	Ant1	2500.0	-41.98	2.0	0	55.25	PEAK	74	PASS
	2462	Ant1	2500.0	-52.81	2.0	0	44.42	AV	54	PASS
11G	2412	Ant1	2310.0	-44.31	2.0	0	52.92	PEAK	74	PASS
	2412	Ant1	2310.0	-53.75	2.0	0	43.48	AV	54	PASS
	2412	Ant1	2390.0	-42.28	2.0	0	54.95	PEAK	74	PASS
	2412	Ant1	2390.0	-53.08	2.0	0	44.15	AV	54	PASS
	2462	Ant1	2483.5	-34.86	2.0	0	62.37	PEAK	74	PASS
	2462	Ant1	2483.5	-48.56	2.0	0	48.67	AV	54	PASS
	2462	Ant1	2500.0	-43.33	2.0	0	53.90	PEAK	74	PASS
	2462	Ant1	2500.0	-52.70	2.0	0	44.53	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-41.72	2.0	0	55.51	PEAK	74	PASS
	2412	Ant1	2310.0	-53.69	2.0	0	43.54	AV	54	PASS
	2412	Ant1	2390.0	-42.16	2.0	0	55.07	PEAK	74	PASS
	2412	Ant1	2390.0	-53.21	2.0	0	44.02	AV	54	PASS
	2462	Ant1	2483.5	-40.75	2.0	0	56.48	PEAK	74	PASS
	2462	Ant1	2483.5	-51.76	2.0	0	45.47	AV	54	PASS
	2462	Ant1	2500.0	-42.29	2.0	0	54.94	PEAK	74	PASS
	2462	Ant1	2500.0	-52.67	2.0	0	44.56	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-43.45	2.0	0	53.78	PEAK	74	PASS
	2422	Ant1	2310.0	-53.65	2.0	0	43.58	AV	54	PASS

	2422	Ant1	2390.0	-42.14	2.0	0	55.09	PEAK	74	PASS
	2422	Ant1	2390.0	-53.17	2.0	0	44.06	AV	54	PASS
	2452	Ant1	2483.5	-34.72	2.0	0	62.51	PEAK	74	PASS
	2452	Ant1	2483.5	-52.14	2.0	0	45.09	AV	54	PASS
	2452	Ant1	2500.0	-41.51	2.0	0	55.72	PEAK	74	PASS
	2452	Ant1	2500.0	-52.69	2.0	0	44.54	AV	54	PASS

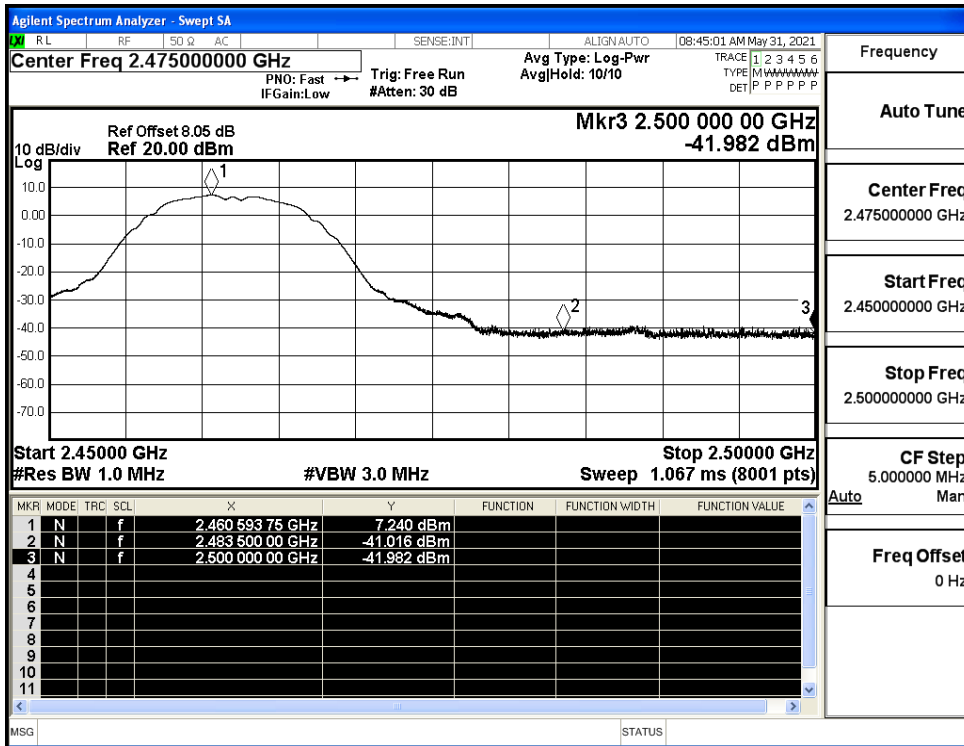
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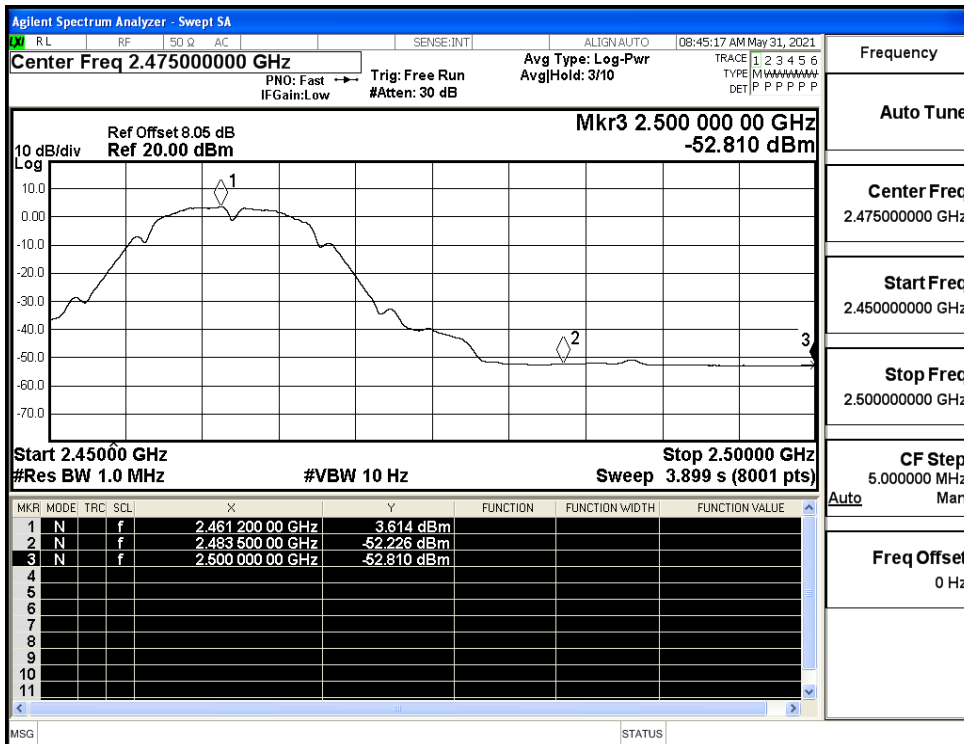
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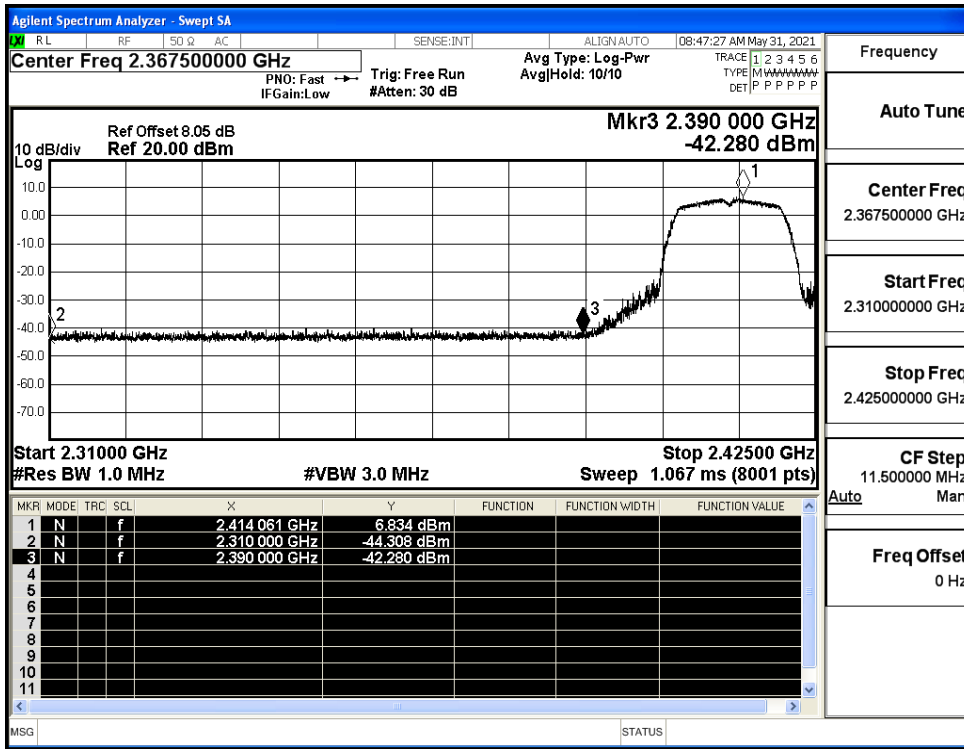


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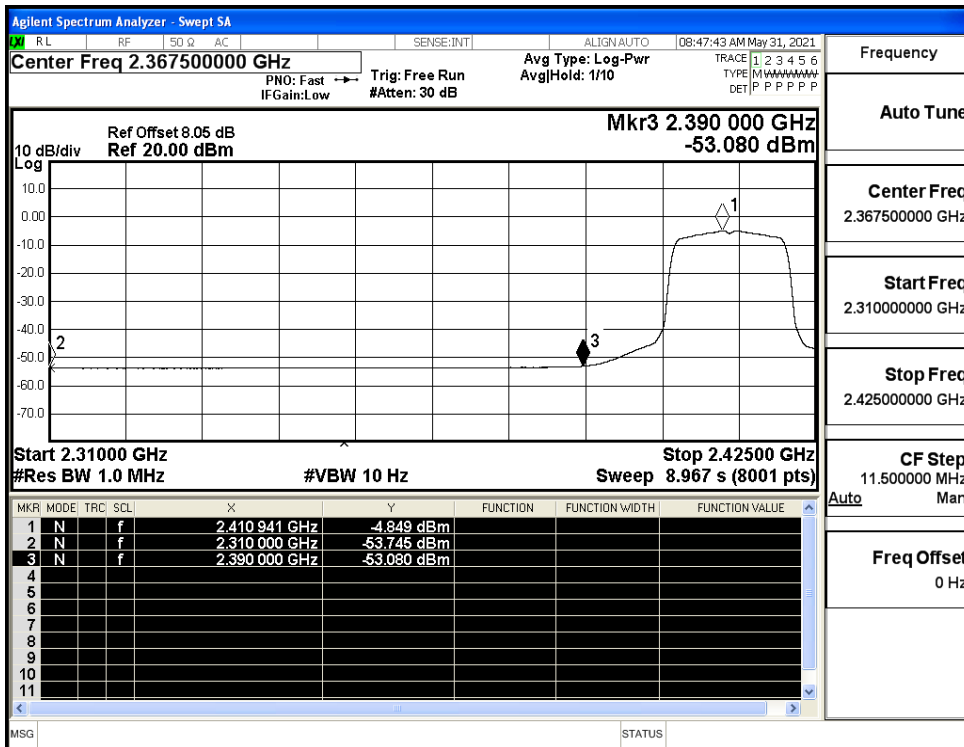


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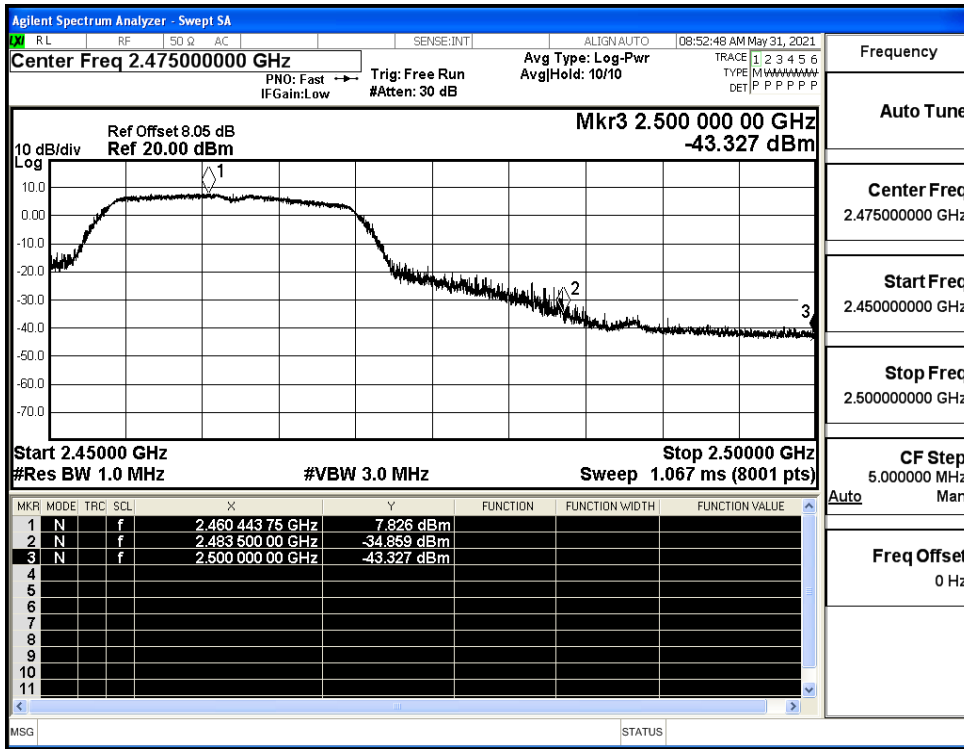




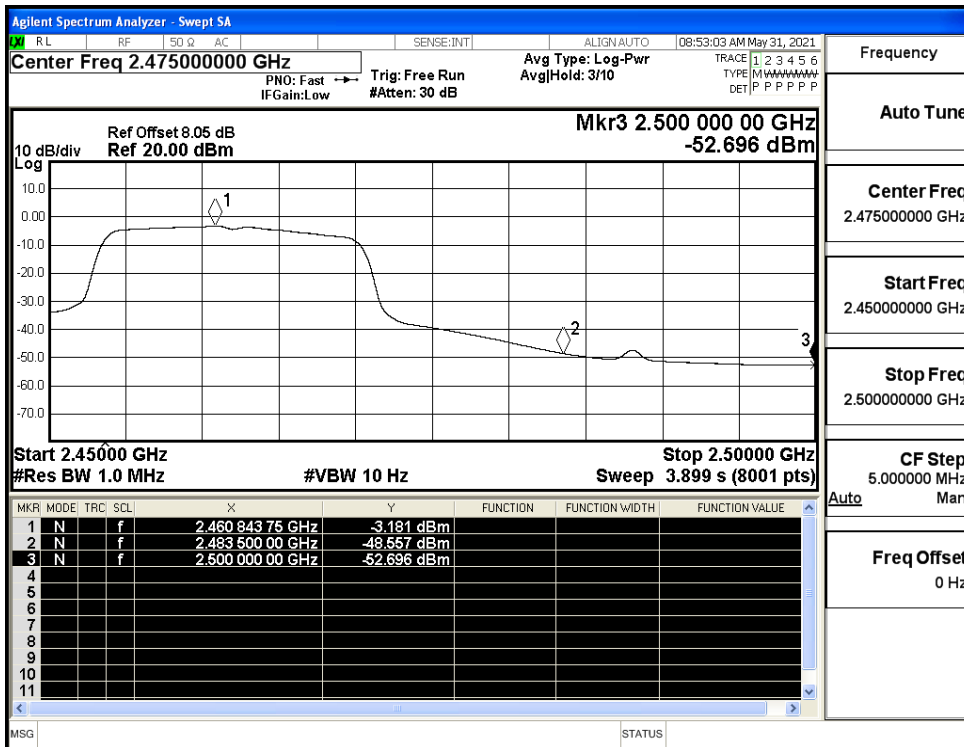
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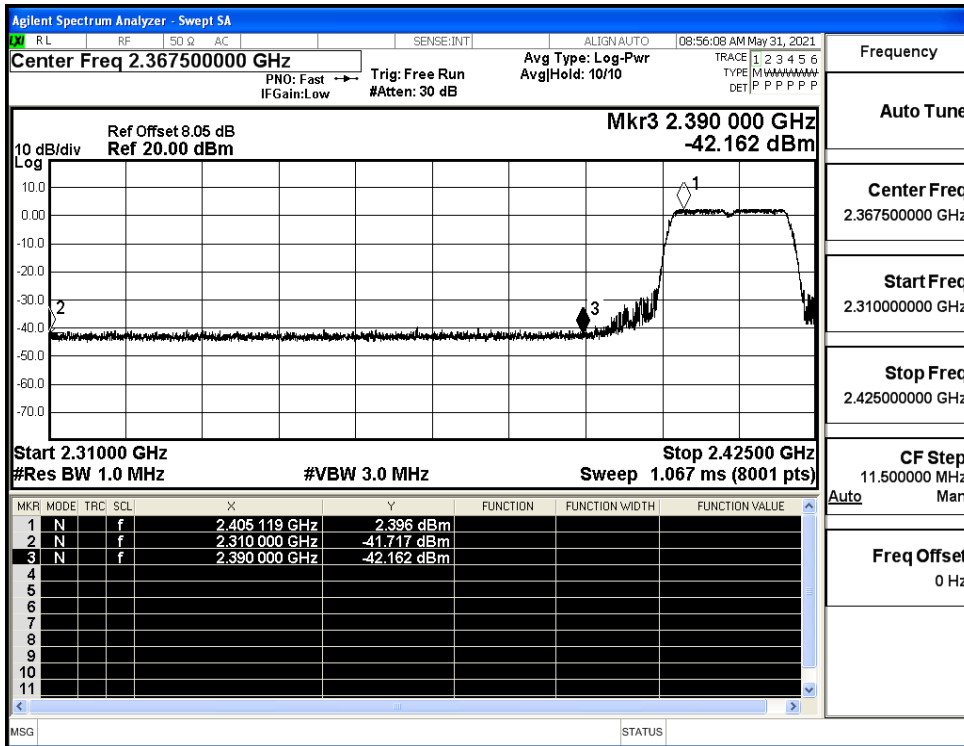
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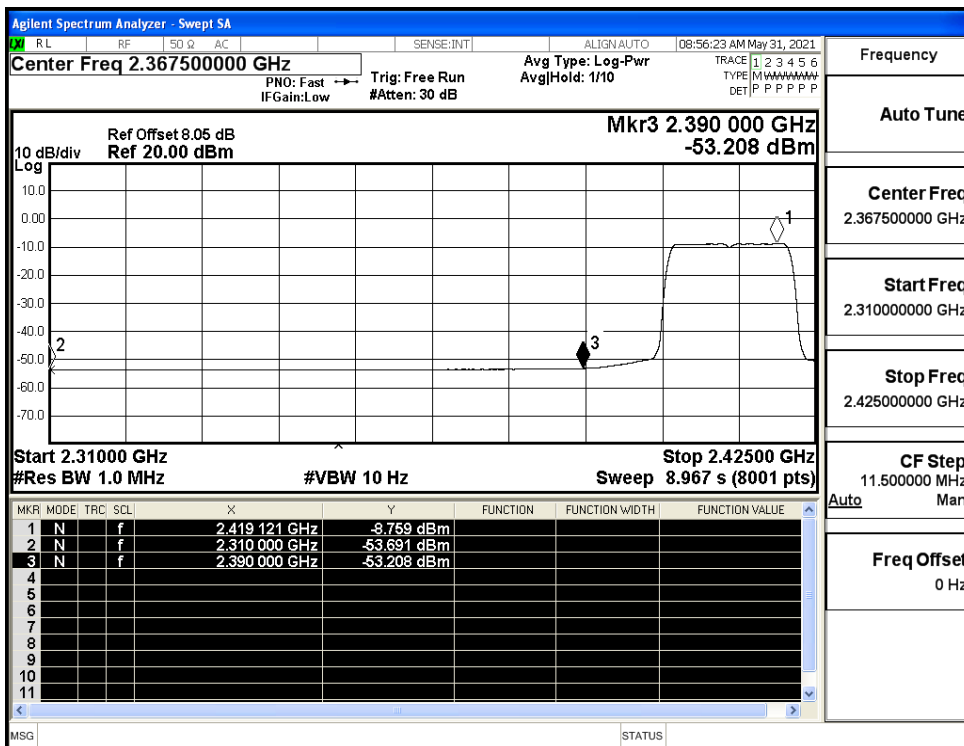
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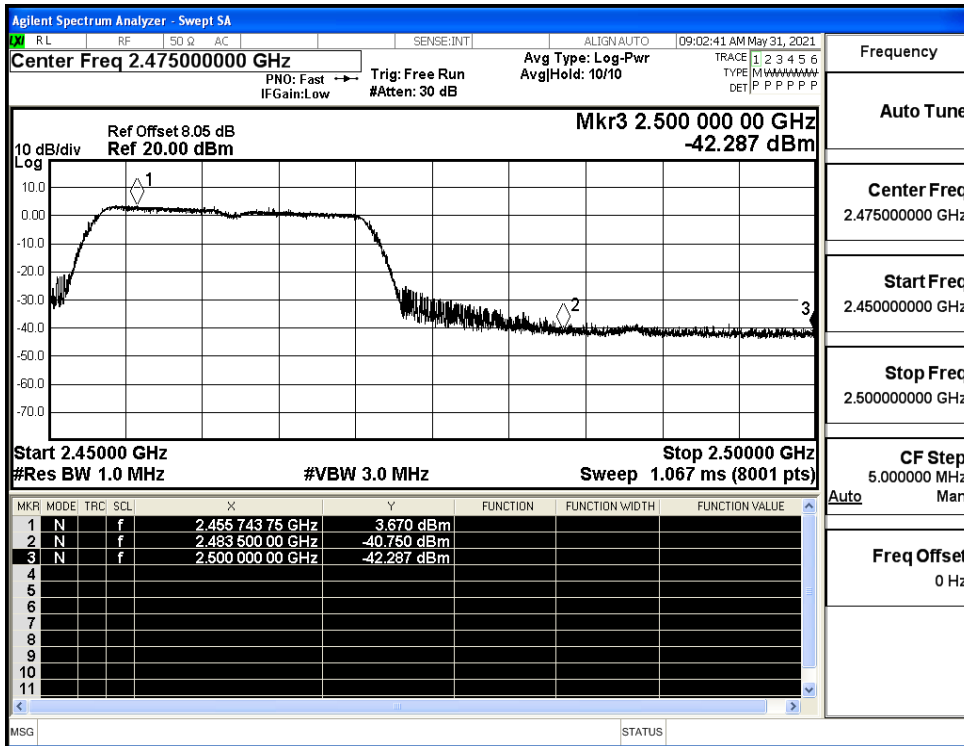
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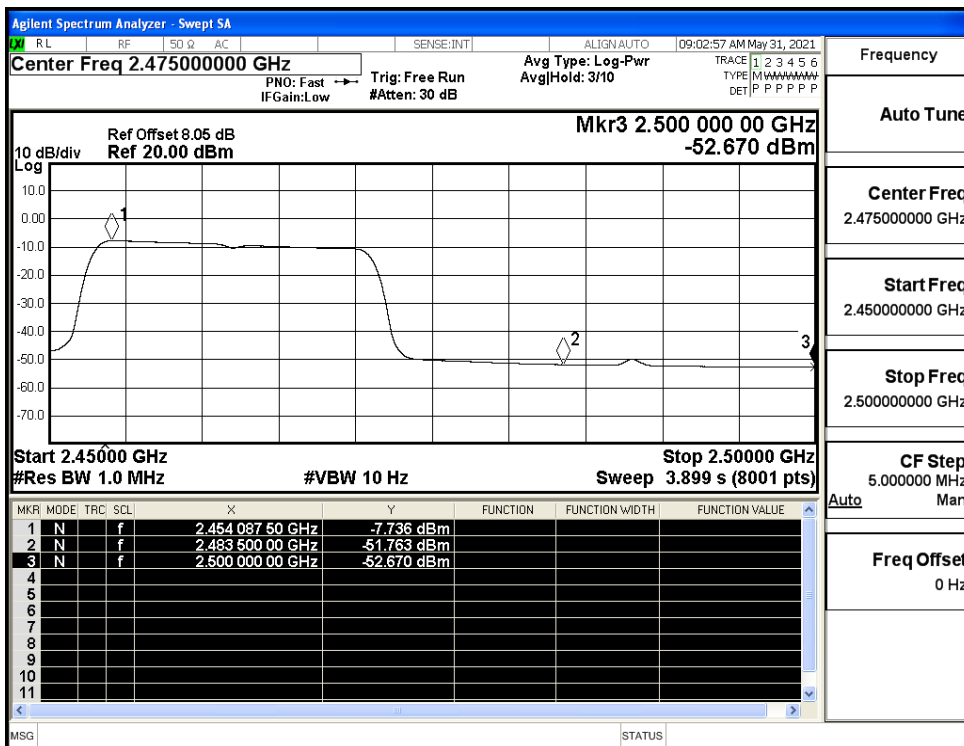
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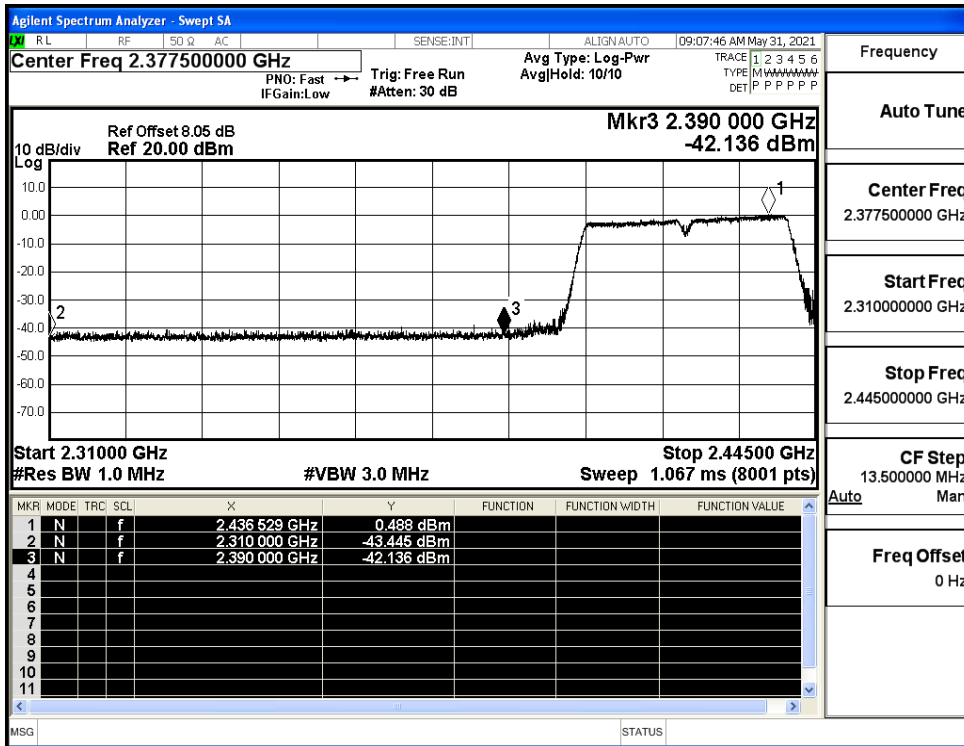
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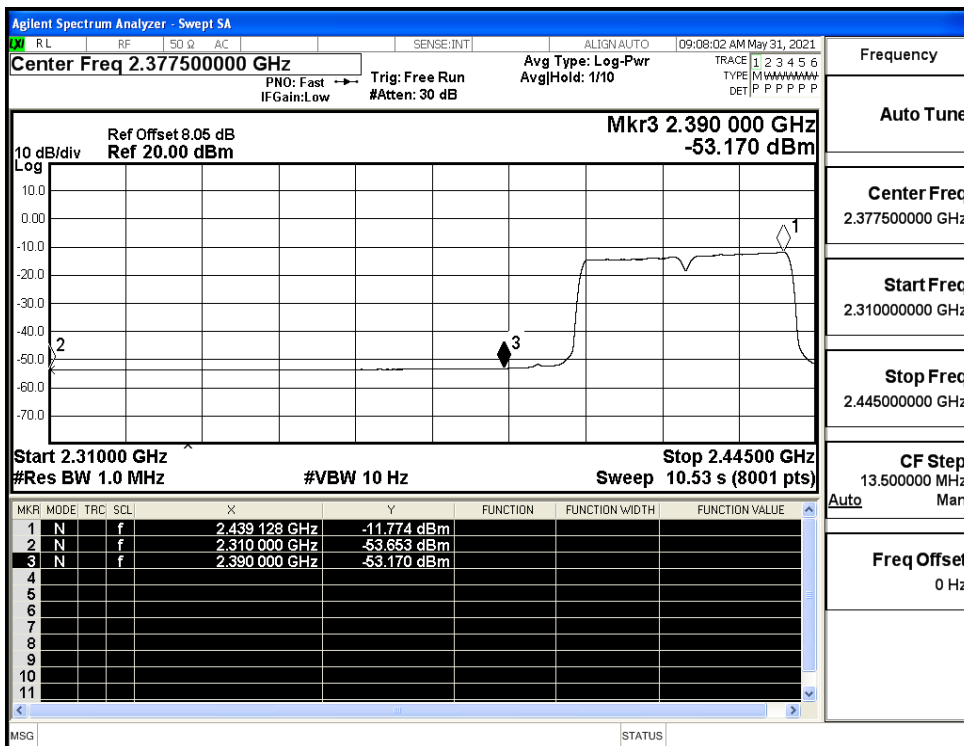
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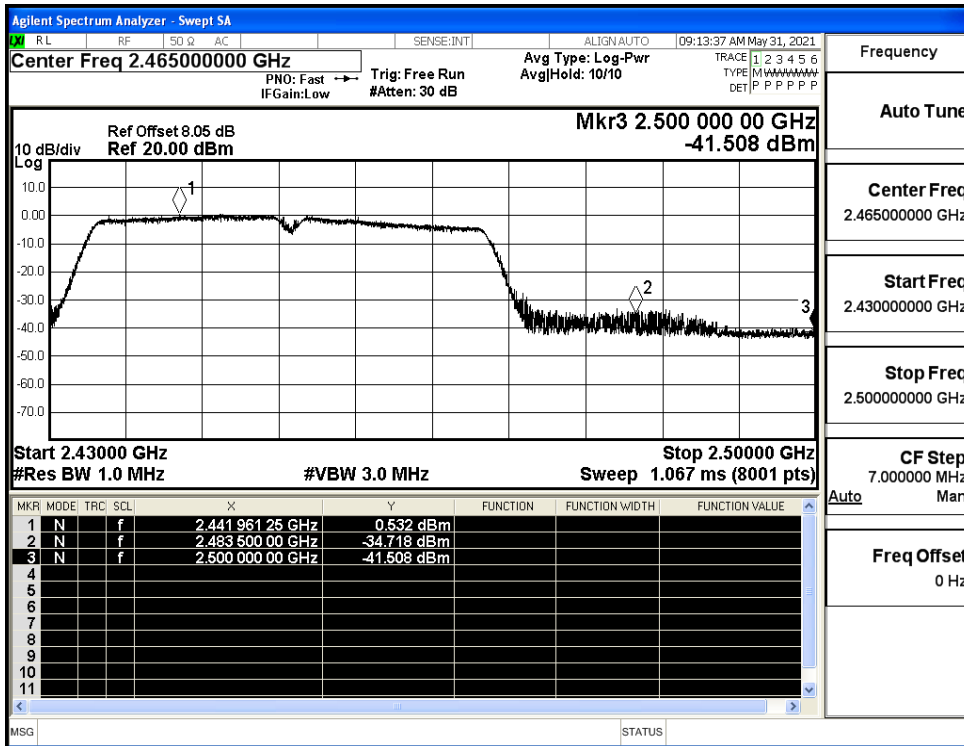
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Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_AV



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



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

