

## Appendix B

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

**Product Name: TABLET PC**

**Trade Mark: FUSION5**

**Test Model: TABLETT60**

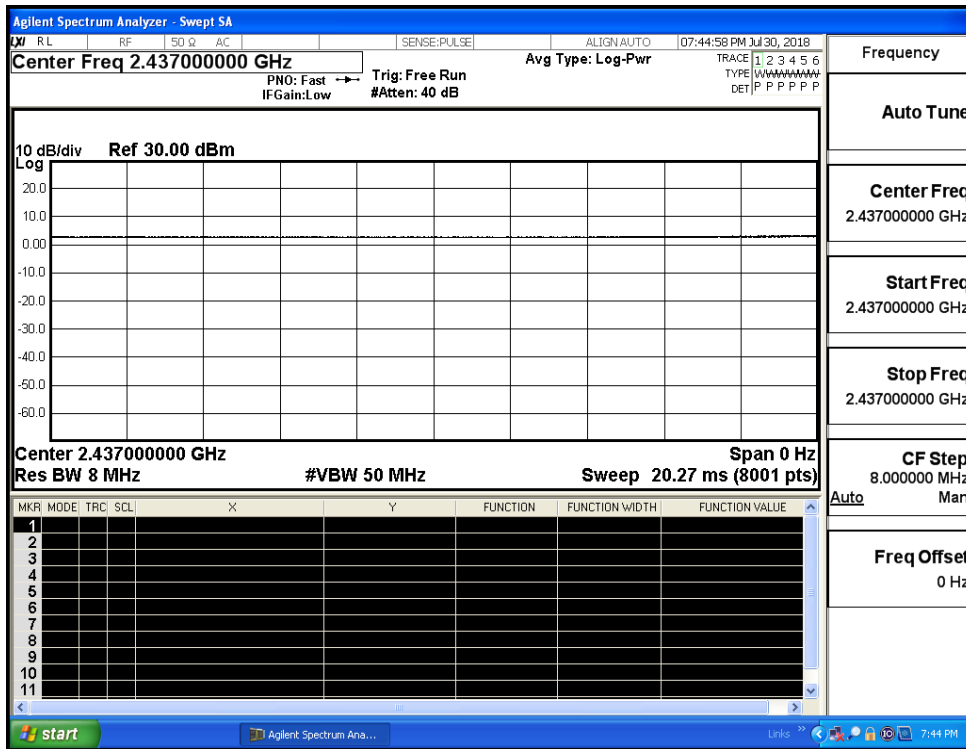
#### Environmental Conditions

Temperature:	22.2 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Jayden.Zhuo

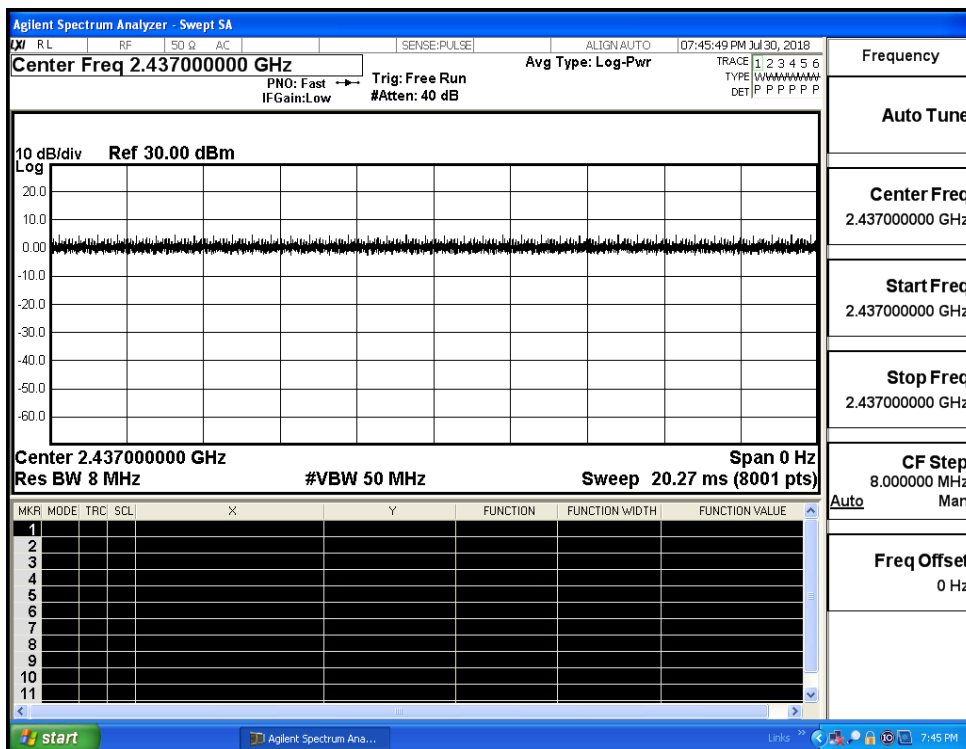
#### B.1 Duty Cycle

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

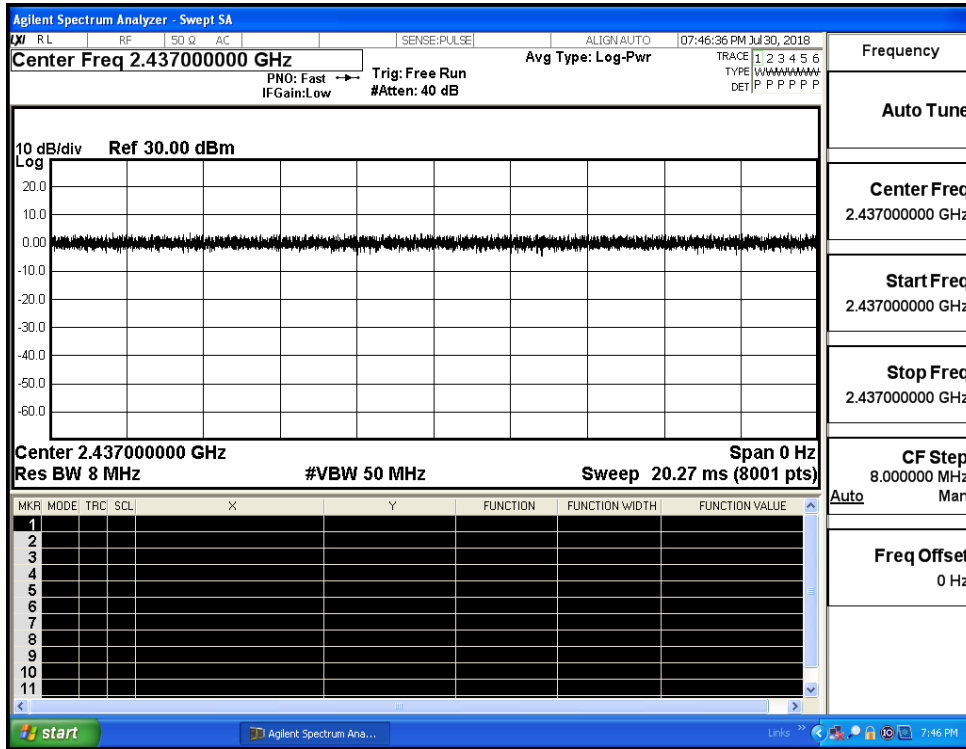
Duty Cycle\_11B\_2437\_Ant1



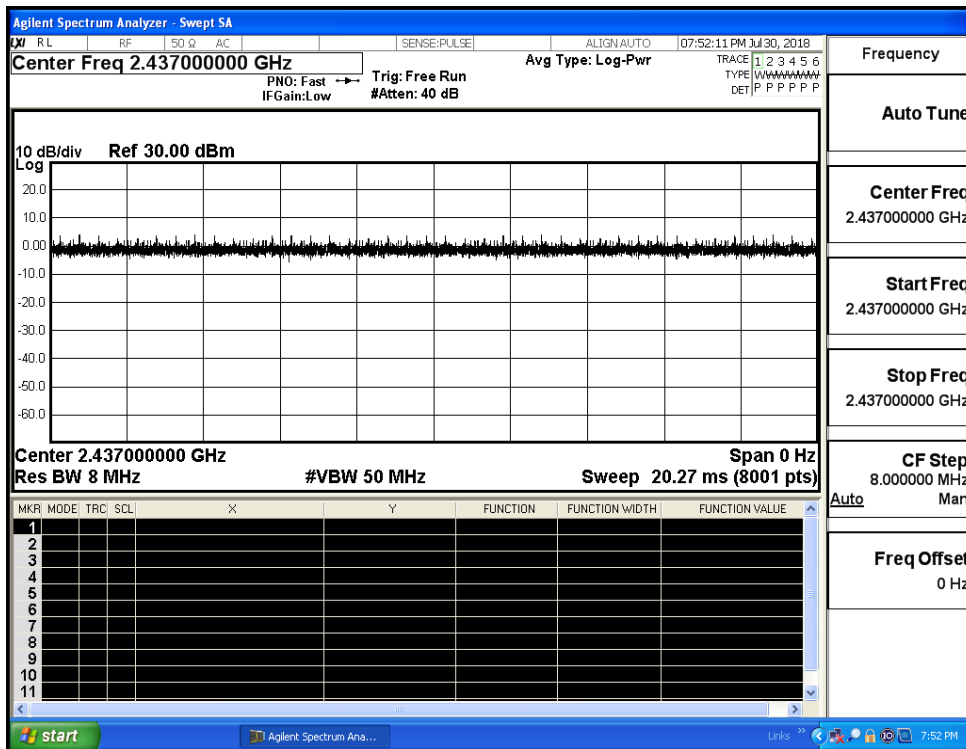
Duty Cycle\_11G\_2437\_Ant1



Duty Cycle\_11N20SISO\_2437\_Ant1



Duty Cycle\_11N40SISO\_2437\_Ant1

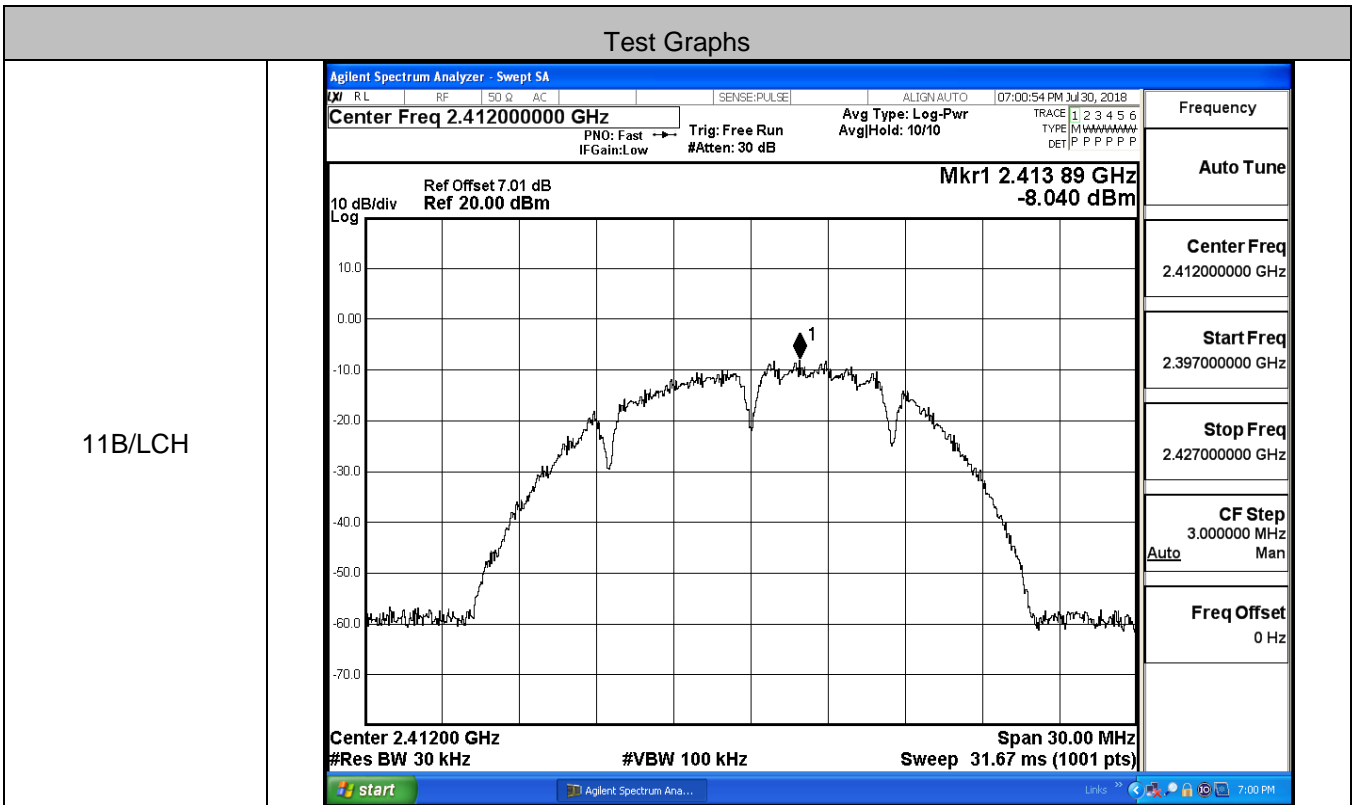


## B.2 Maximum Conducted Output Power

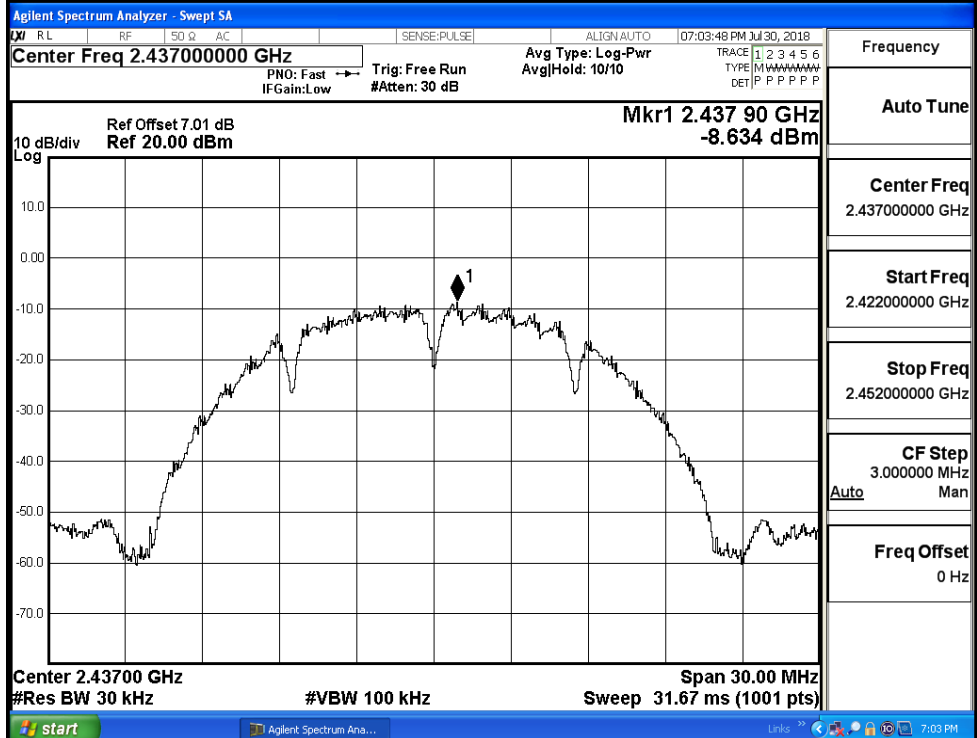
Mode	Channel	Meas.Level Peak [dBm]	Limit [dBm]	Verdict
11B	LCH	11.22	30	PASS
	MCH	11.15	30	PASS
	HCH	11.37	30	PASS
11G	LCH	12.78	30	PASS
	MCH	12.91	30	PASS
	HCH	12.84	30	PASS
11N20SISO	LCH	13.65	30	PASS
	MCH	13.48	30	PASS
	HCH	13.72	30	PASS
11N40SISO	LCH	14.05	30	PASS
	MCH	14.15	30	PASS
	HCH	14.32	30	PASS

### B.3 Maximum Power Spectral Density

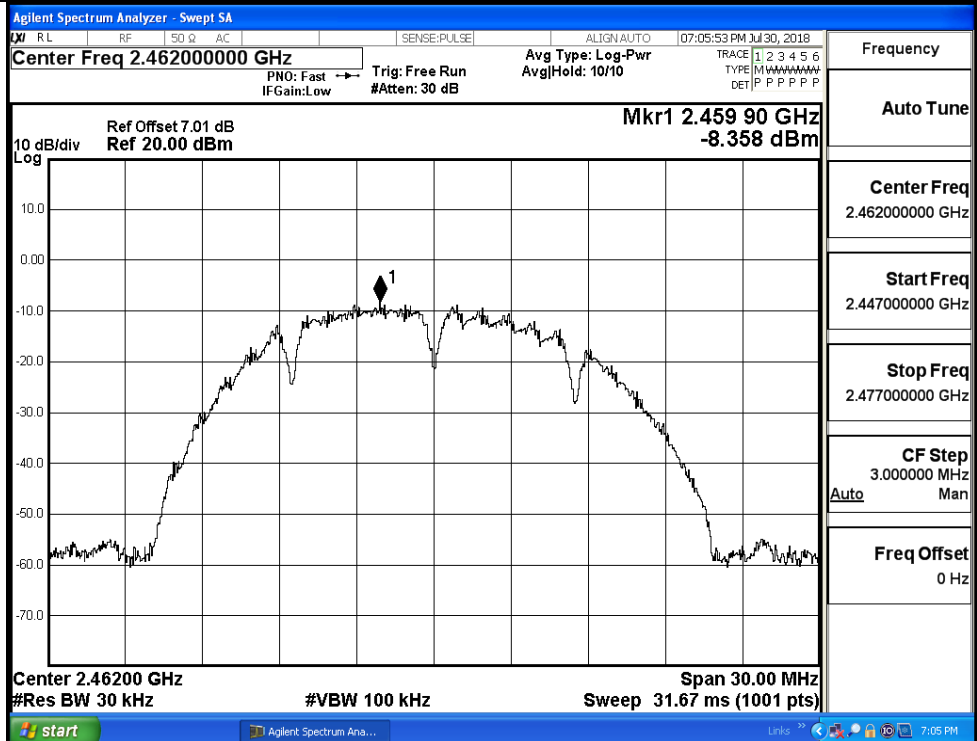
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-8.040	8	PASS
	MCH	-8.634	8	PASS
	HCH	-8.358	8	PASS
11G	LCH	-12.728	8	PASS
	MCH	-14.245	8	PASS
	HCH	-13.012	8	PASS
11N20SISO	LCH	-13.094	8	PASS
	MCH	-14.826	8	PASS
	HCH	-13.323	8	PASS
11N40SISO	LCH	-16.764	8	PASS
	MCH	-17.300	8	PASS
	HCH	-15.683	8	PASS



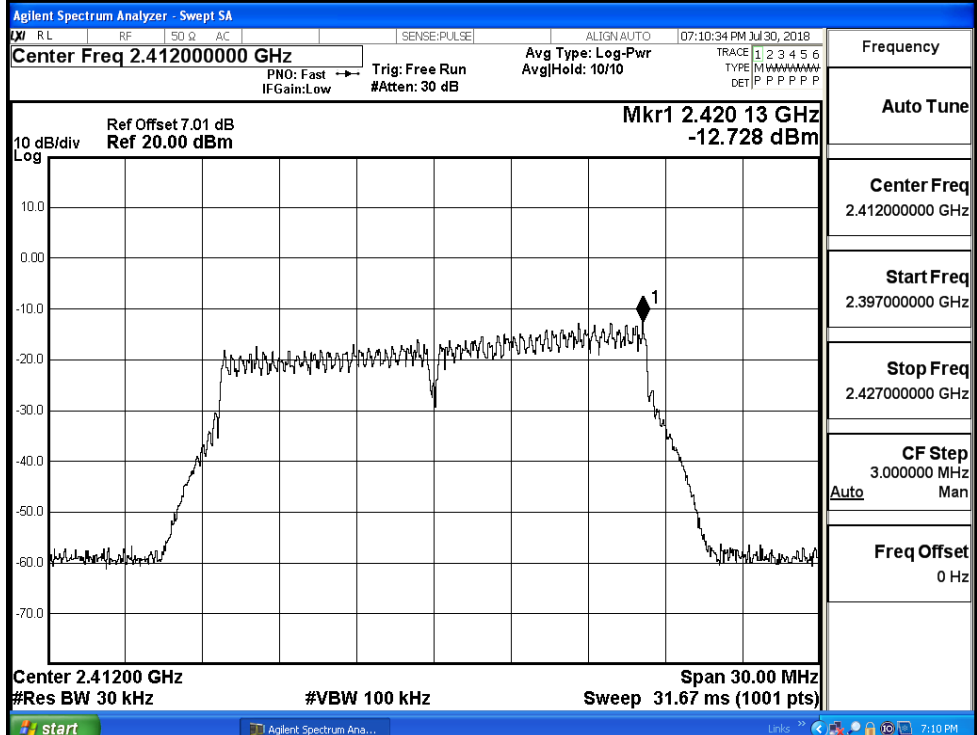
11B/MCH



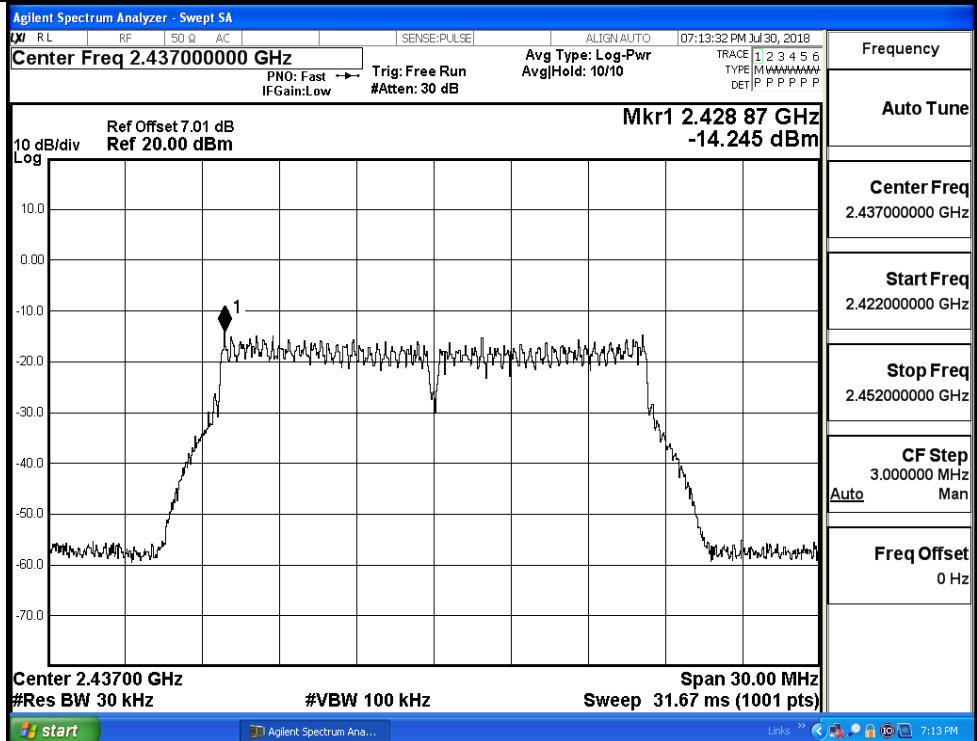
11B/HCH



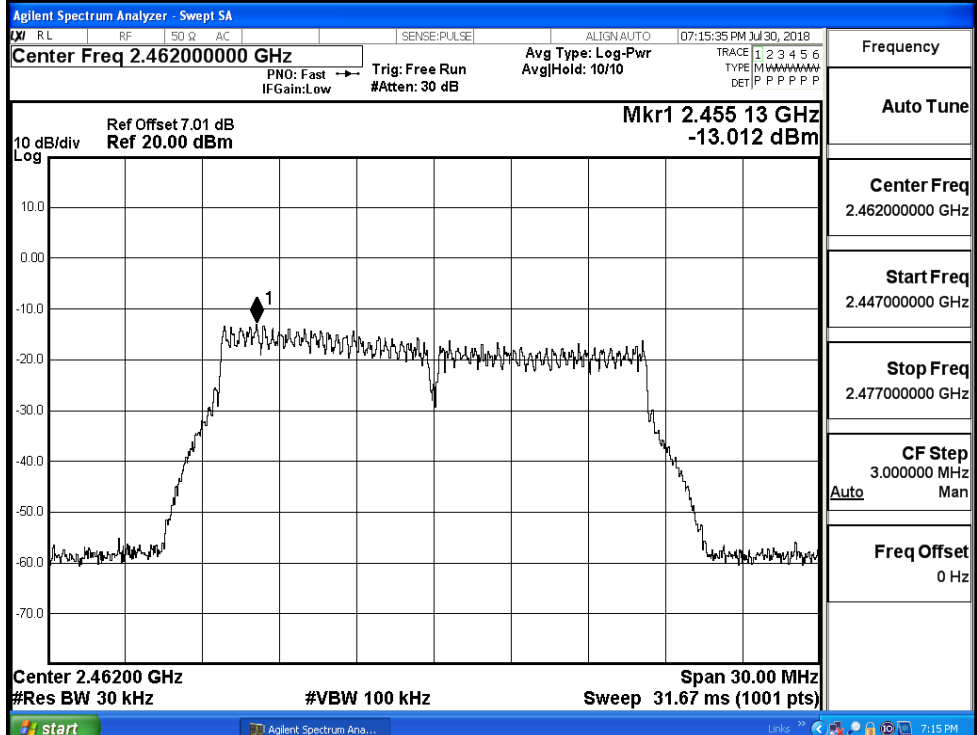
11G/LCH



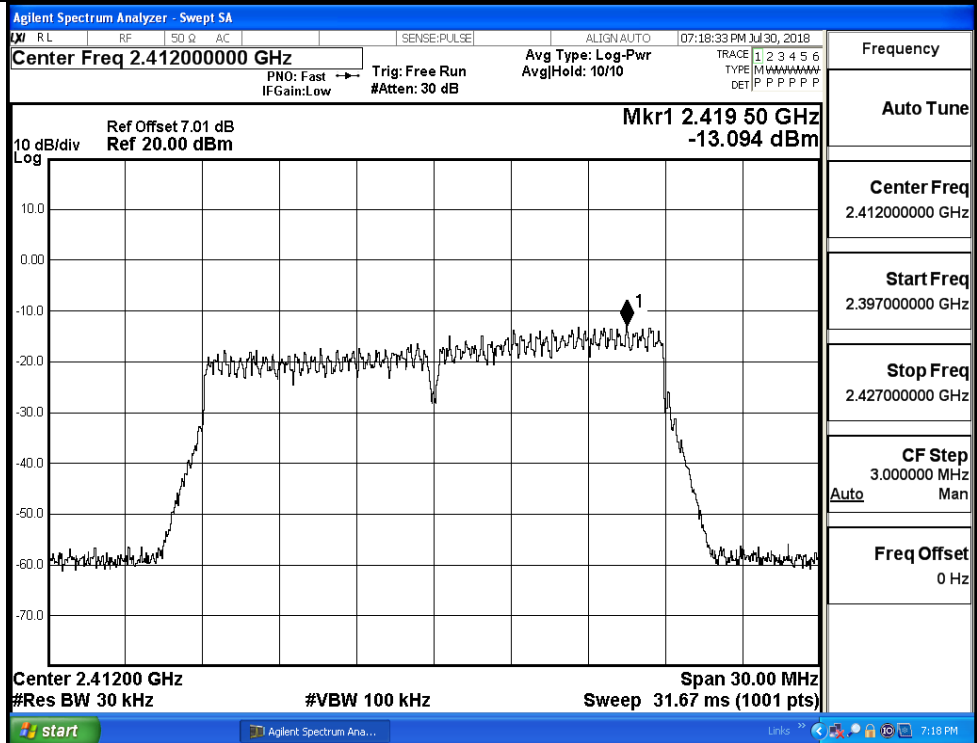
11G/MCH



11G/HCH

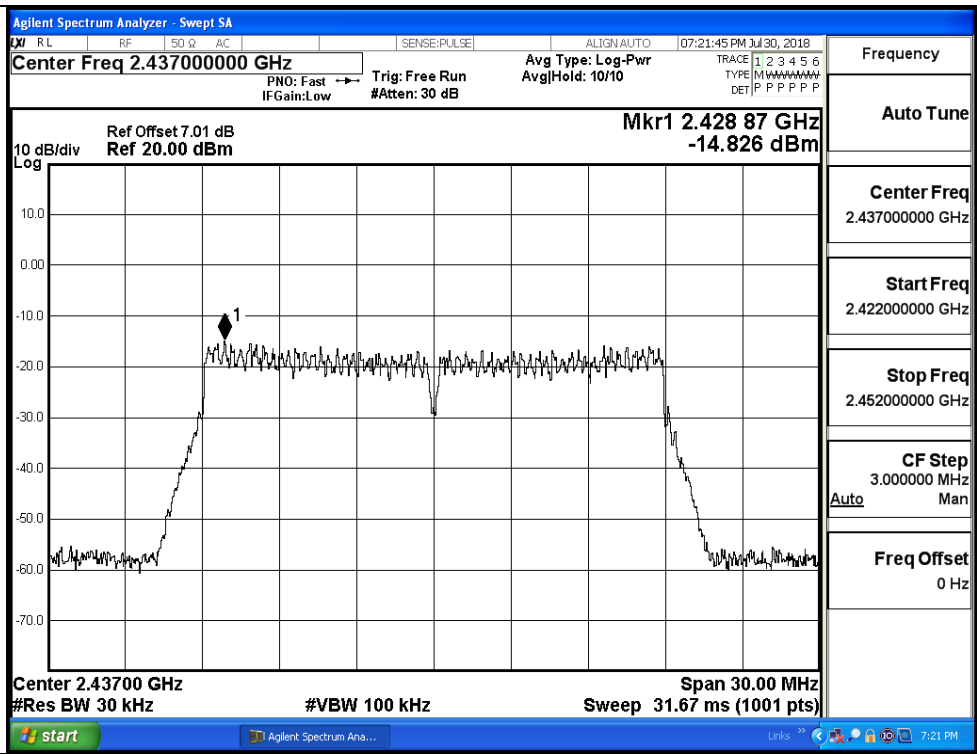


11N20SISO/LCH

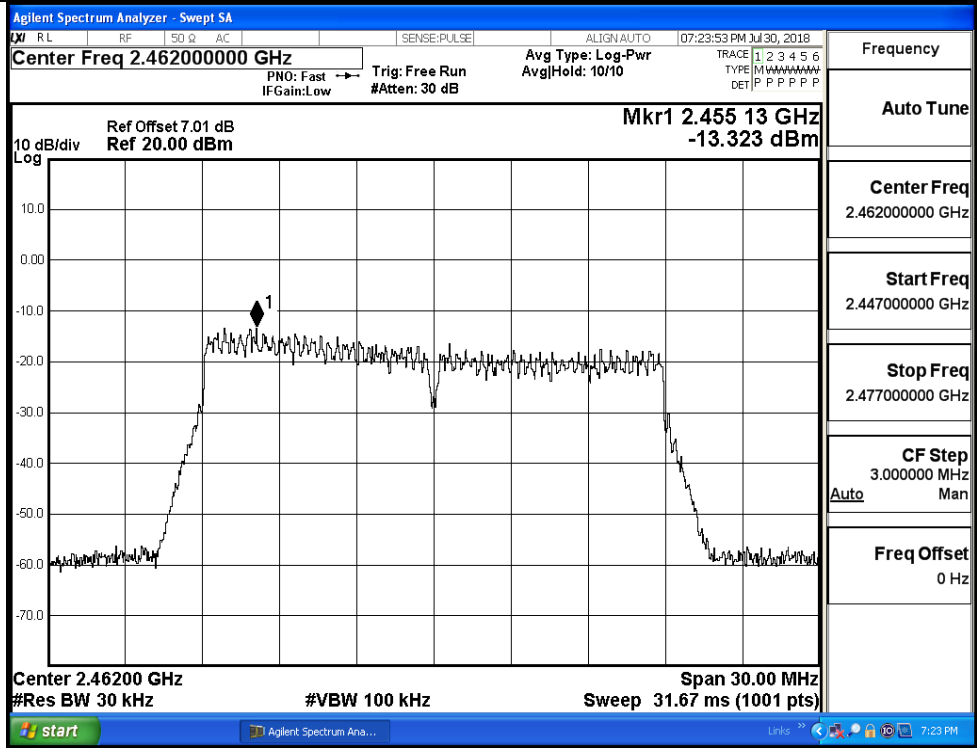




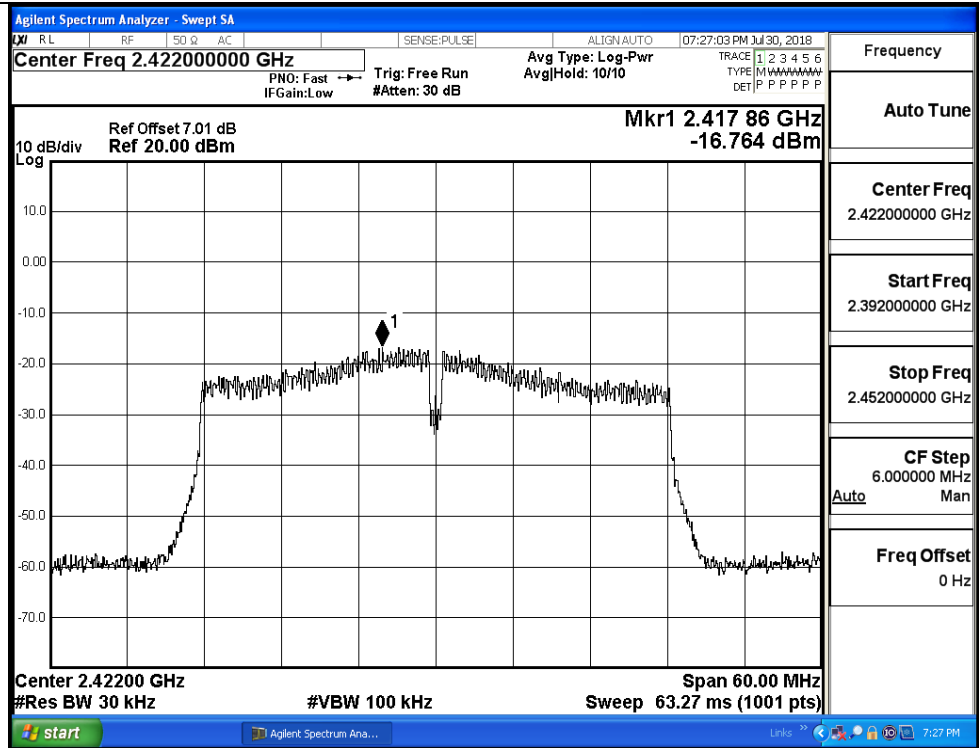
11N20SISO/MCH



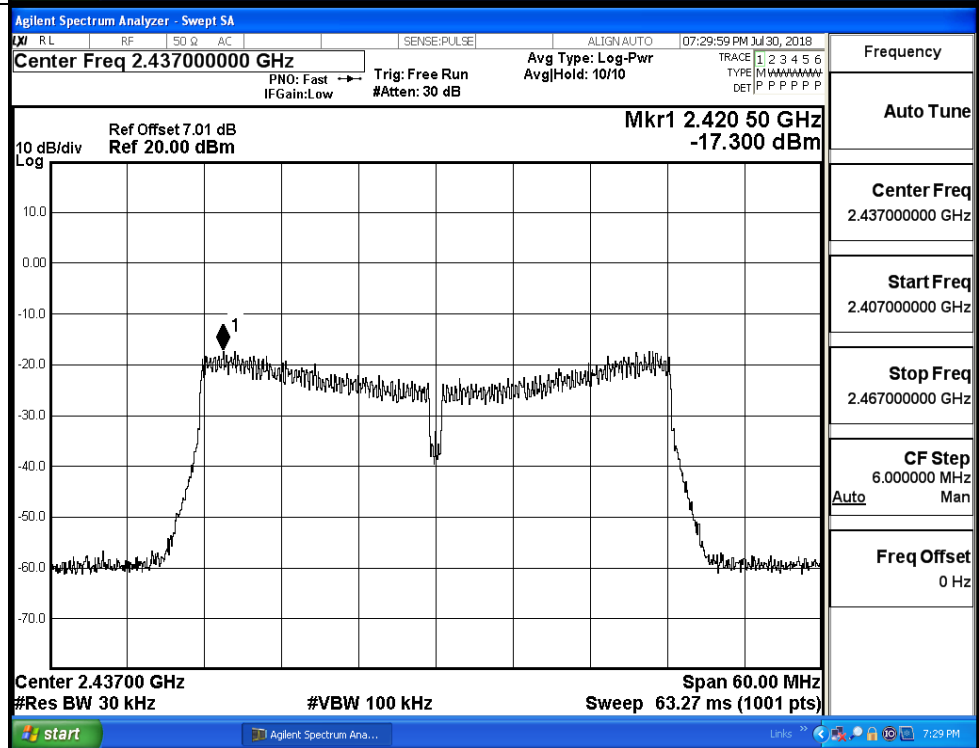
11N20SISO/HCH

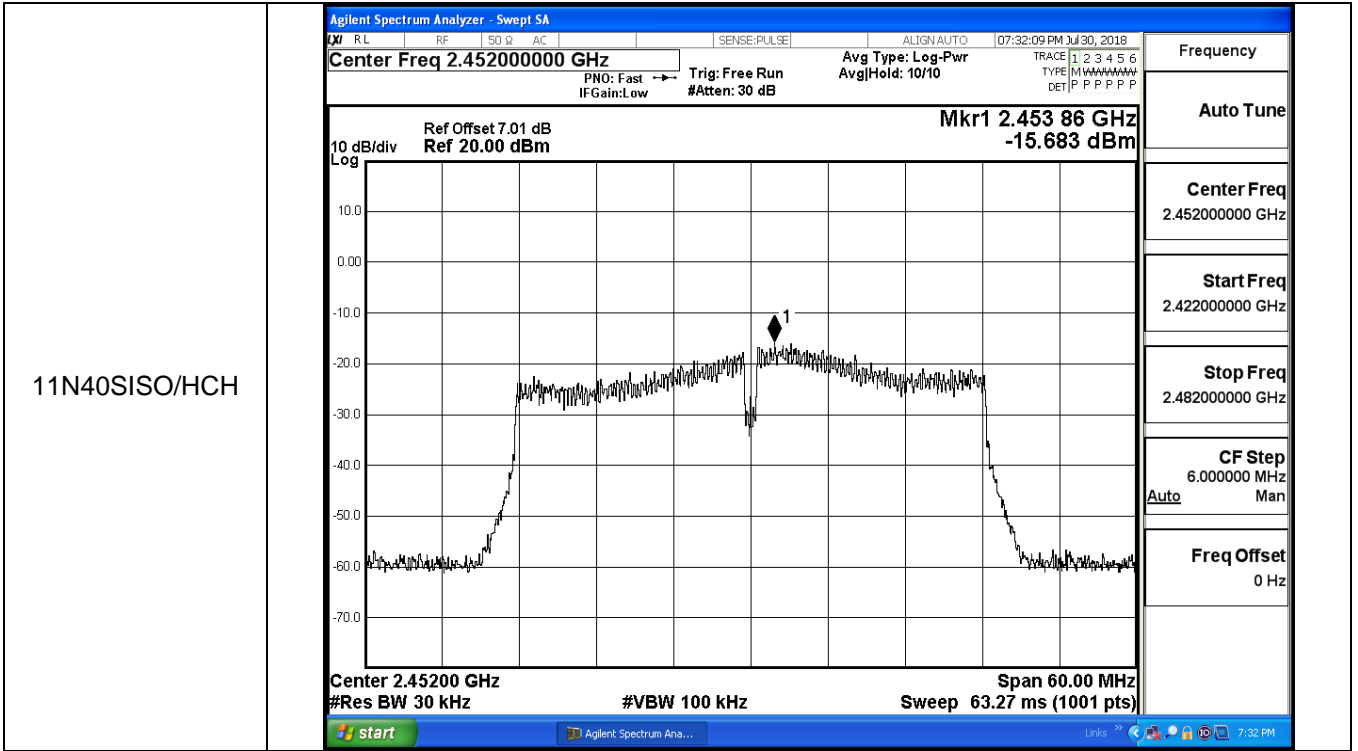


11N40SISO/LCH



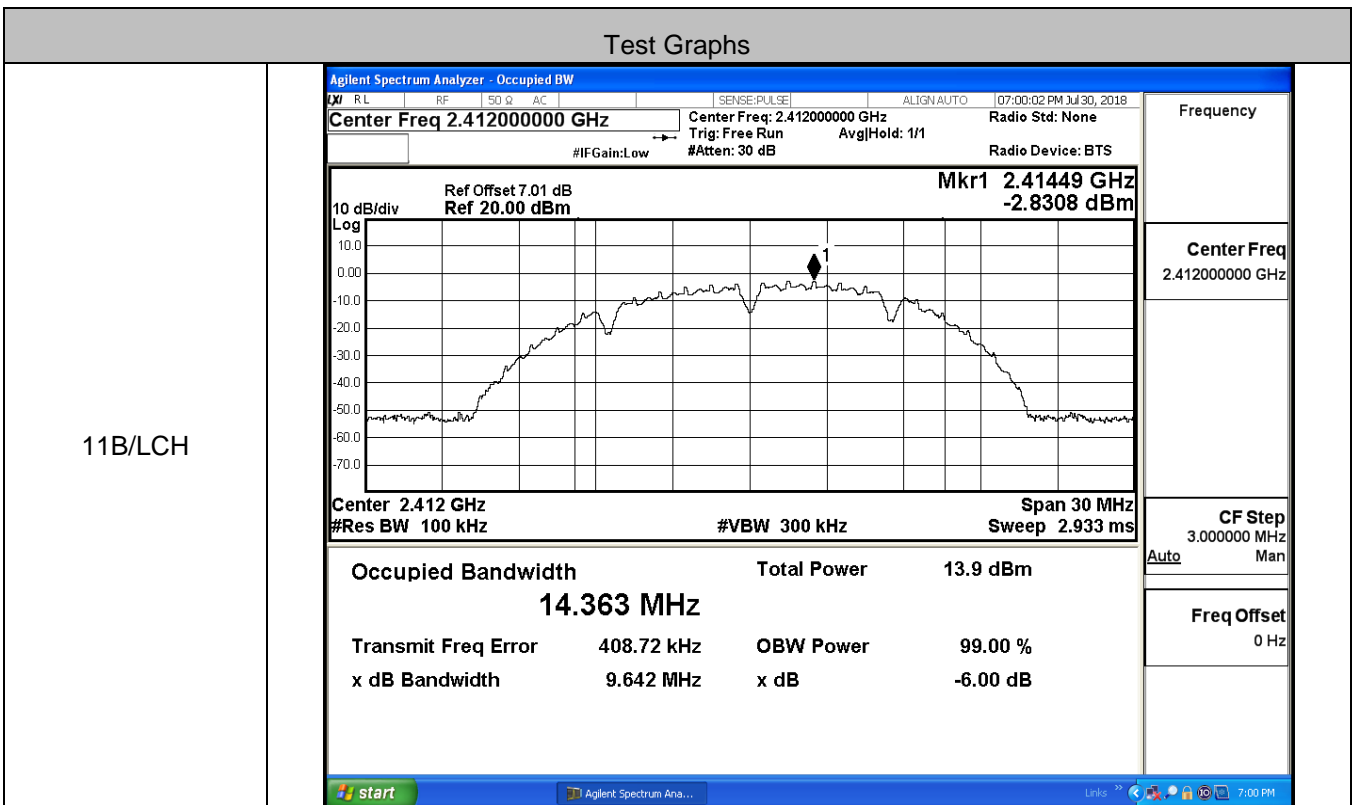
11N40SISO/MCH



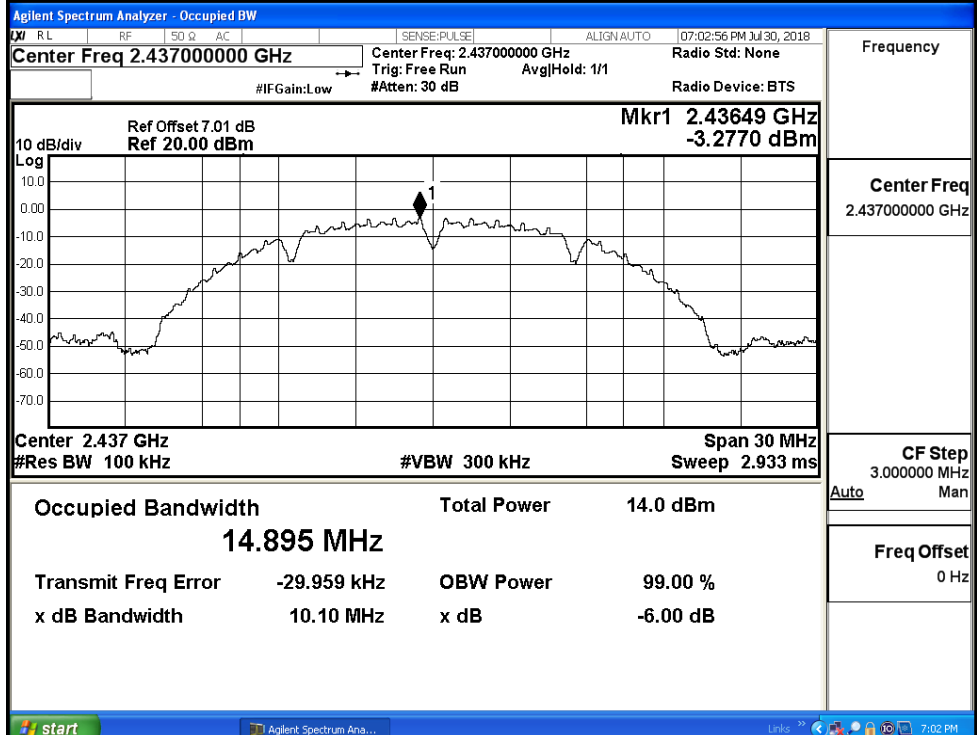


**B.4 6dB Bandwidth**

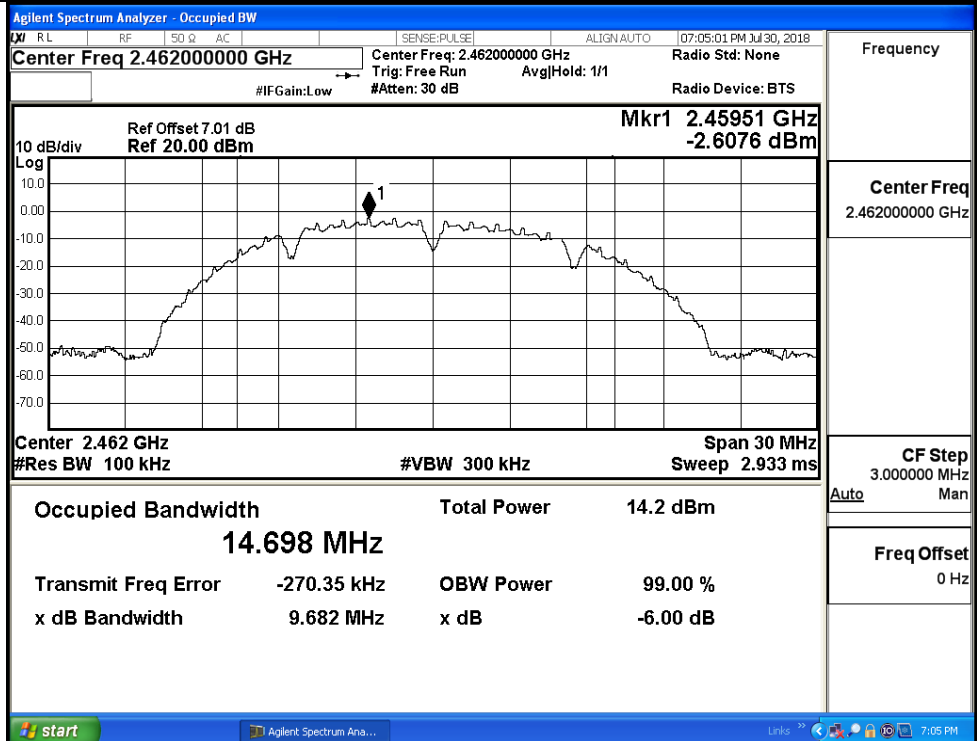
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.642	≥0.5	PASS
	MCH	10.10	≥0.5	PASS
	HCH	9.682	≥0.5	PASS
11G	LCH	16.10	≥0.5	PASS
	MCH	16.63	≥0.5	PASS
	HCH	16.50	≥0.5	PASS
11N20SISO	LCH	17.44	≥0.5	PASS
	MCH	17.88	≥0.5	PASS
	HCH	17.72	≥0.5	PASS
11N40SISO	LCH	26.98	≥0.5	PASS
	MCH	36.53	≥0.5	PASS
	HCH	25.47	≥0.5	PASS



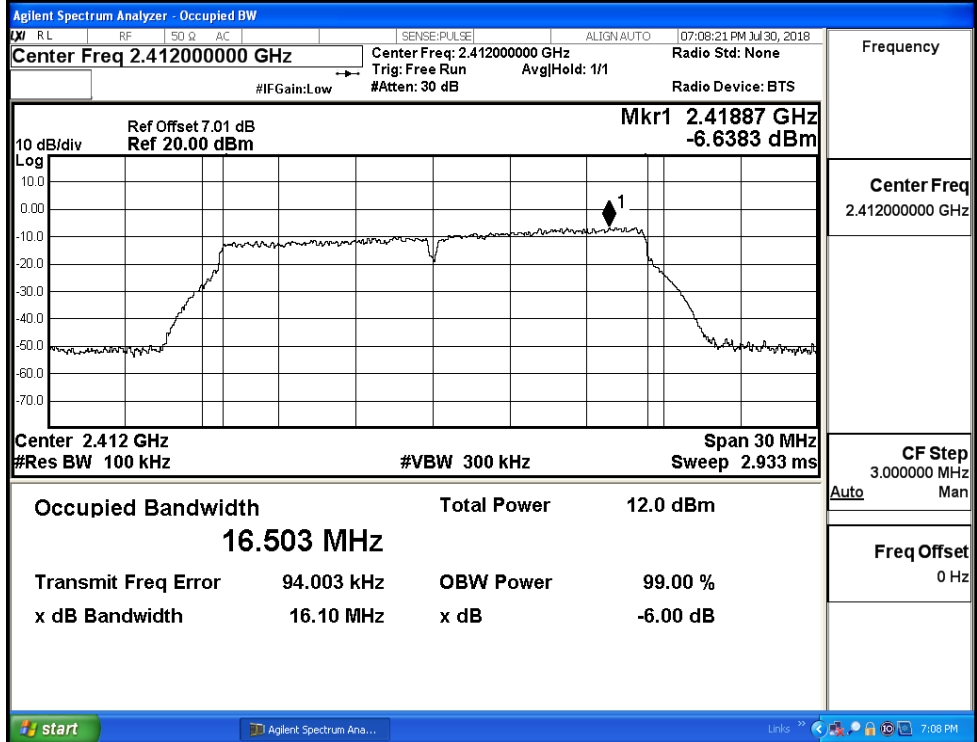
11B/MCH



11B/HCH



11G/LCH



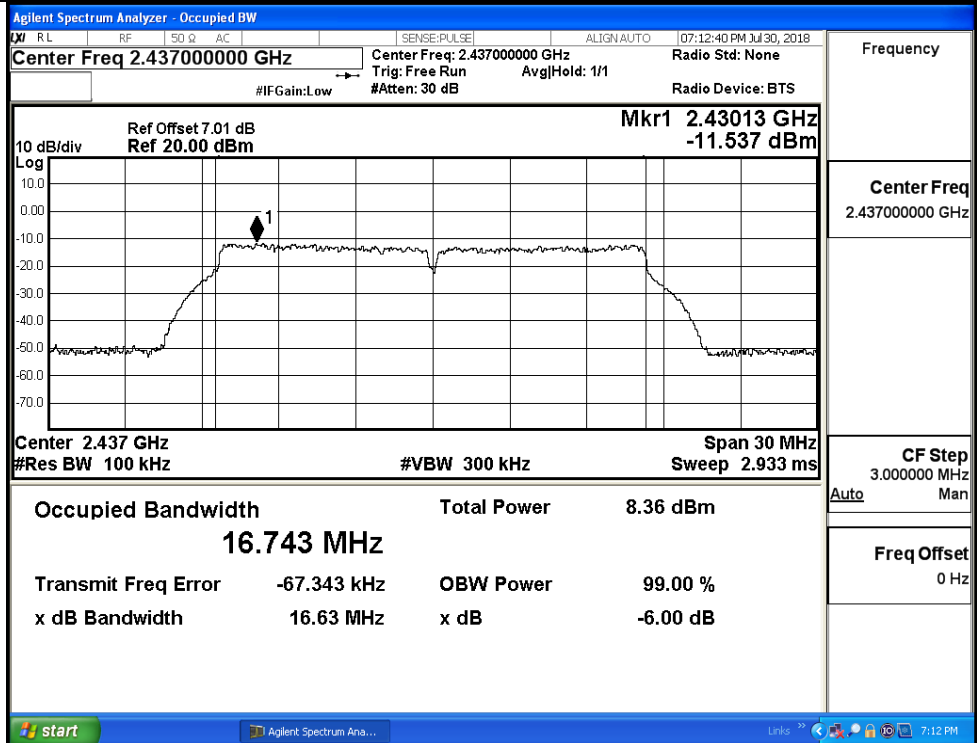
Frequency

Center Freq  
2.41200000 GHz

CF Step  
3.000000 MHz  
Auto Man

Freq Offset  
0 Hz

11G/MCH



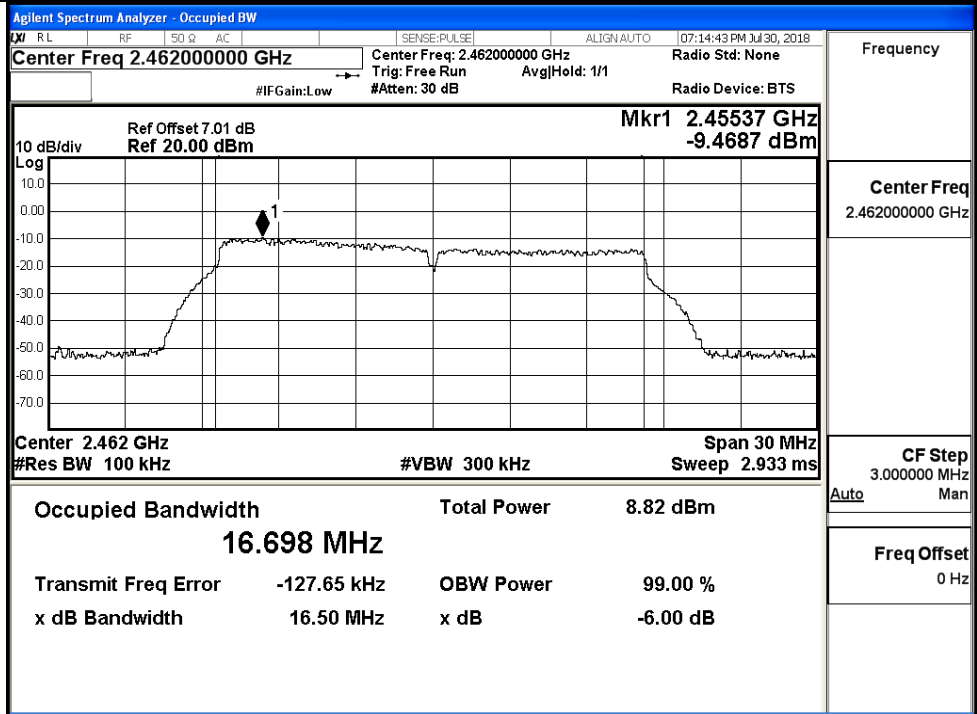
Frequency

Center Freq  
2.43700000 GHz

CF Step  
3.000000 MHz  
Auto Man

Freq Offset  
0 Hz

11G/HCH



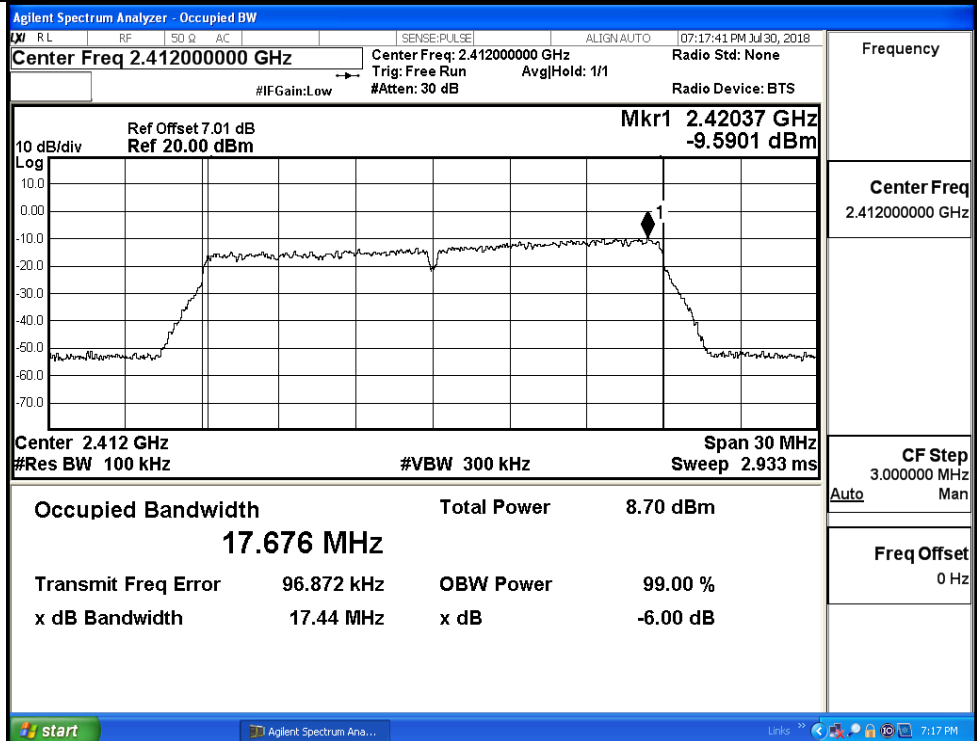
Frequency

Center Freq  
2.46200000 GHz

CF Step  
3.000000 MHz

Freq Offset  
0 Hz

11N20SISO/LCH



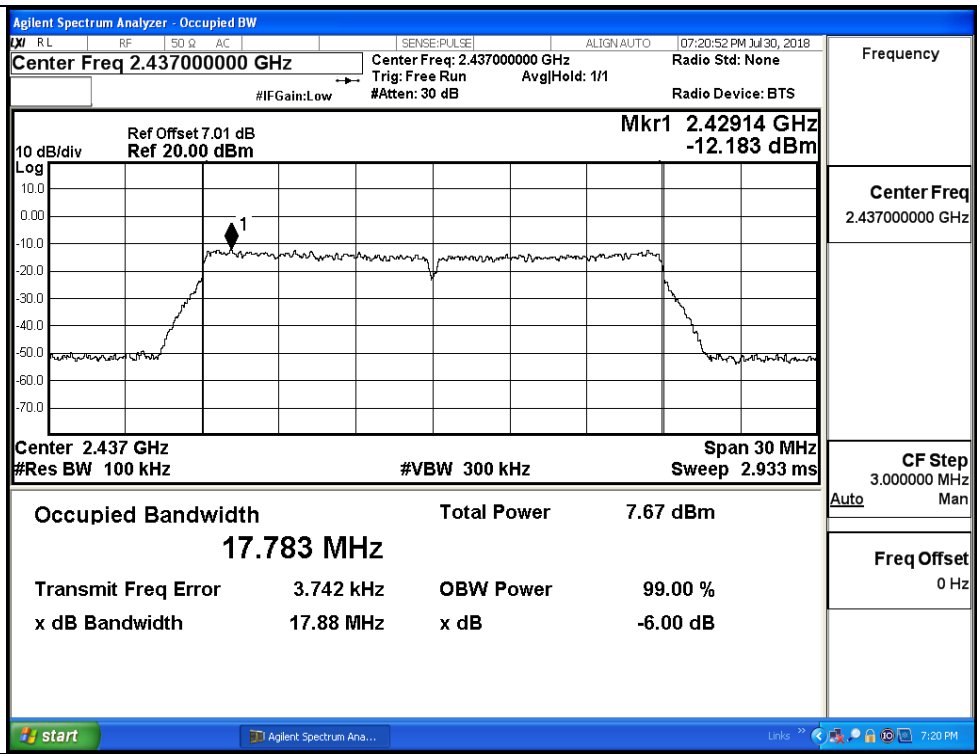
Frequency

Center Freq  
2.41200000 GHz

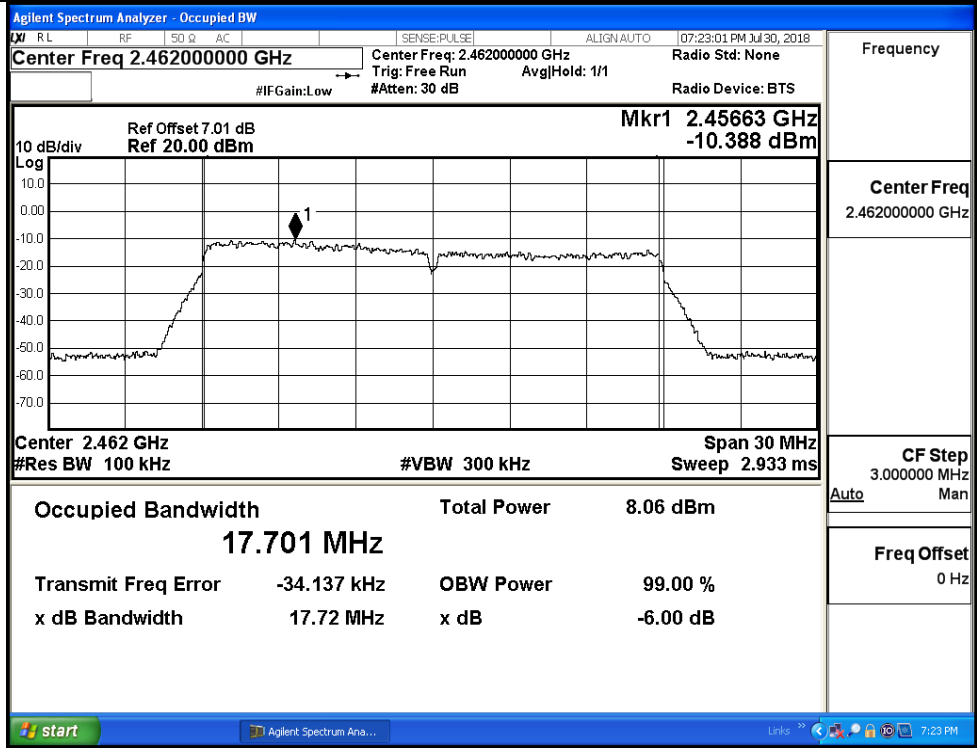
CF Step  
3.000000 MHz

Freq Offset  
0 Hz

11N20SISO/MCH

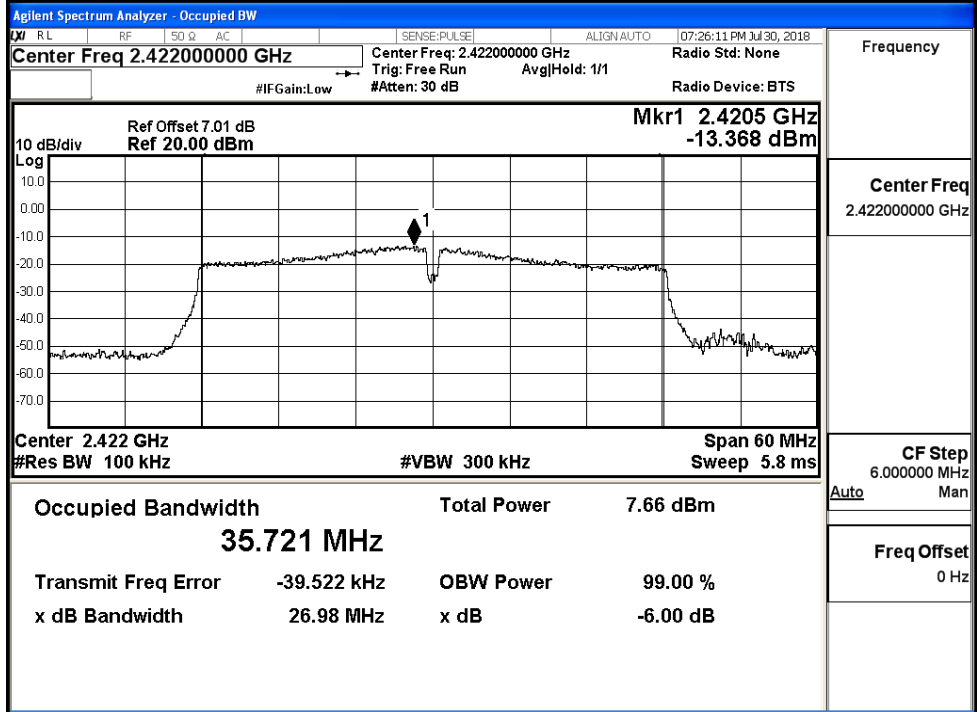


11N20SISO/HCH





11N40SISO/LCH



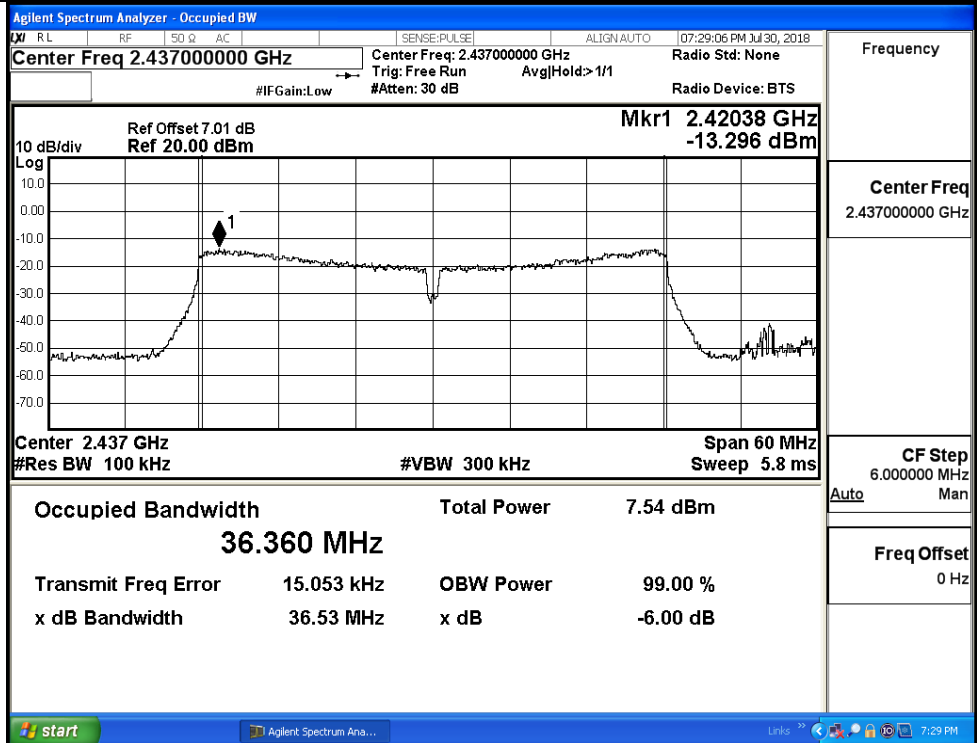
Frequency

Center Freq  
2.42200000 GHz

CF Step  
6.000000 MHz

Freq Offset  
0 Hz

11N40SISO/MCH



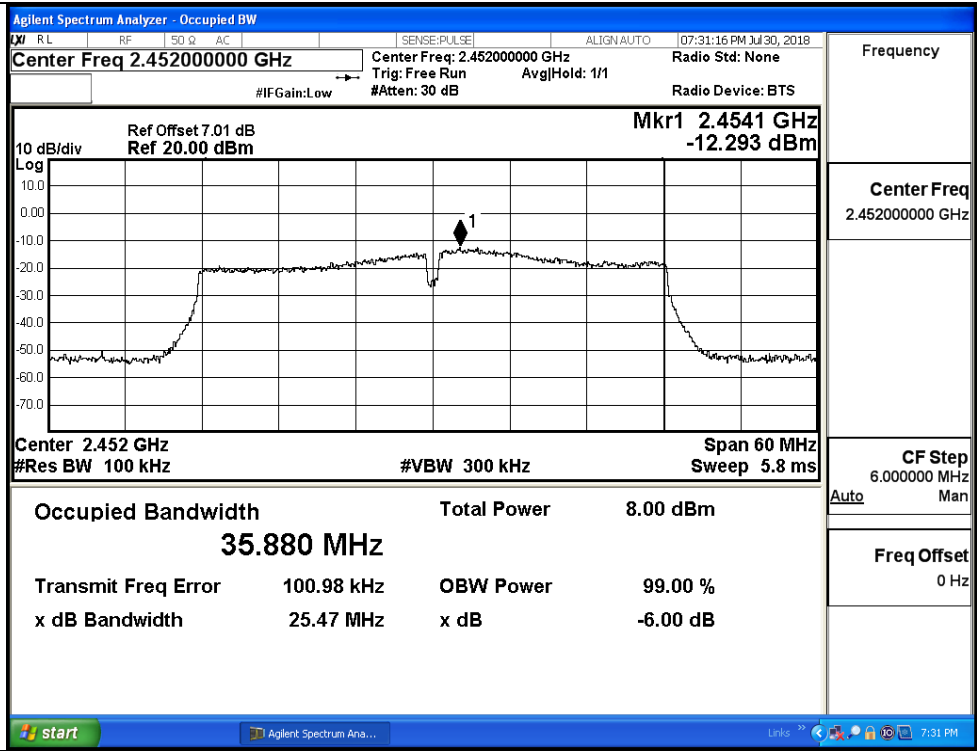
Frequency

Center Freq  
2.43700000 GHz

CF Step  
6.000000 MHz

Freq Offset  
0 Hz

11N40SISO/HCH

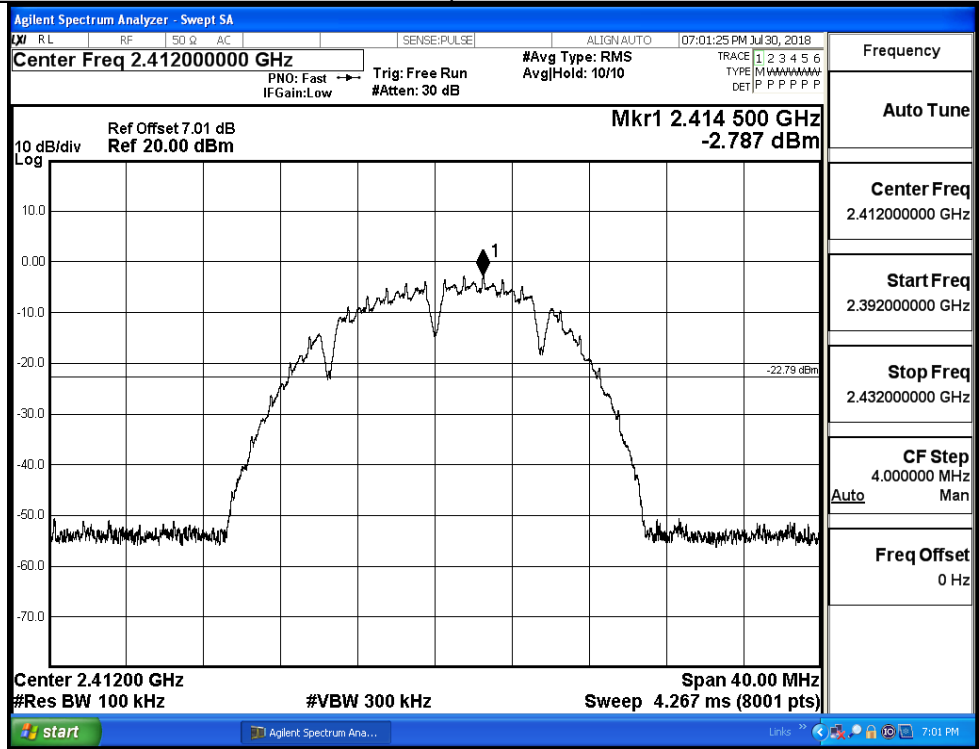


### B.5 RF Conducted Spurious Emissions

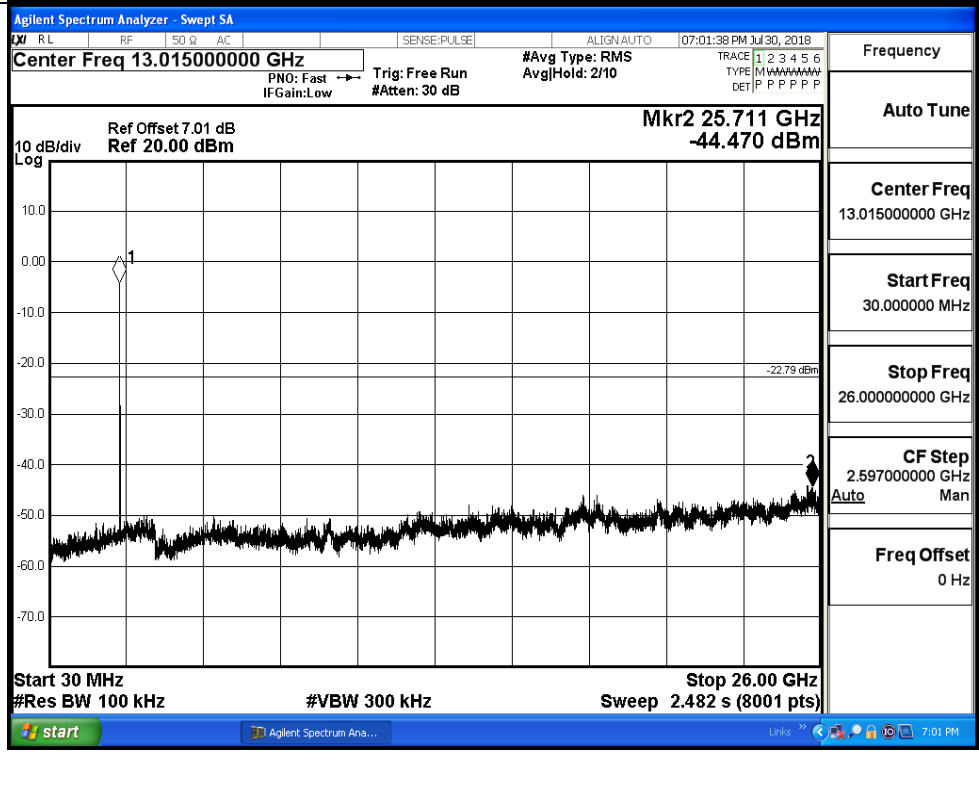
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-2.787	-44.470	-22.787	PASS
	MCH	-1.588	-44.178	-21.588	PASS
	HCH	-2.684	-45.166	-22.684	PASS
11G	LCH	-9.96	-44.893	-29.960	PASS
	MCH	-11.859	-44.484	-31.859	PASS
	HCH	-9.616	-45.100	-29.616	PASS
11N20 SISO	LCH	-9.789	-44.436	-29.789	PASS
	MCH	-12.288	-43.722	-32.288	PASS
	HCH	-10.66	-45.168	-30.660	PASS
11N40 SISO	LCH	-13.502	-43.836	-33.502	PASS
	MCH	-14.056	-43.359	-34.056	PASS
	HCH	-13.367	-44.567	-33.367	PASS

11B LCH Graphs

Pref/11B/LCH

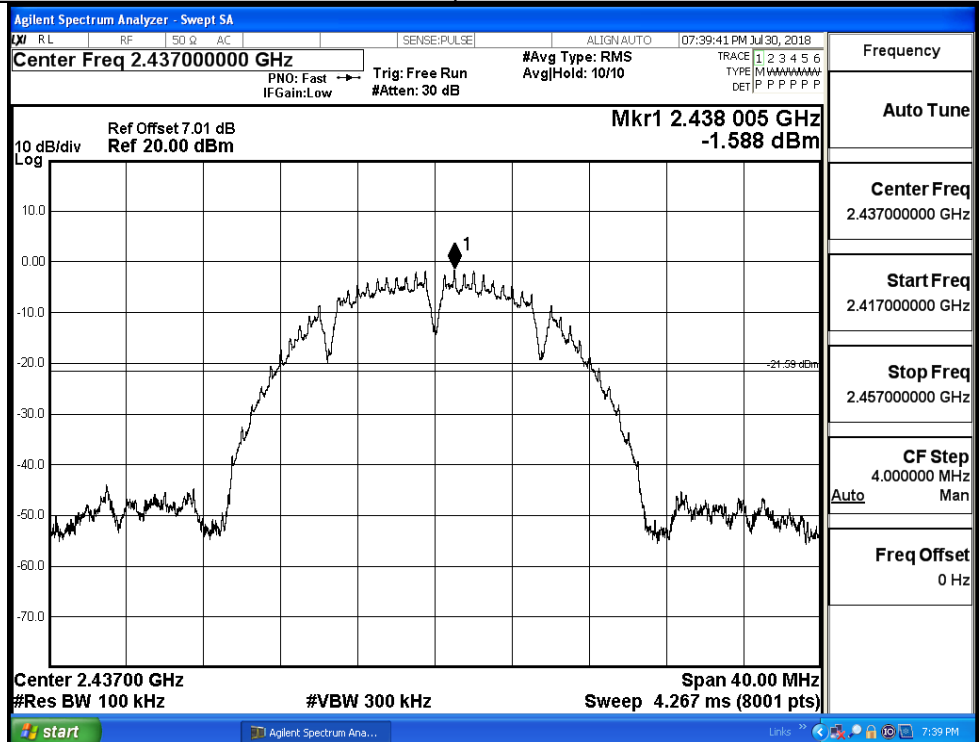


Puw/11B/LCH



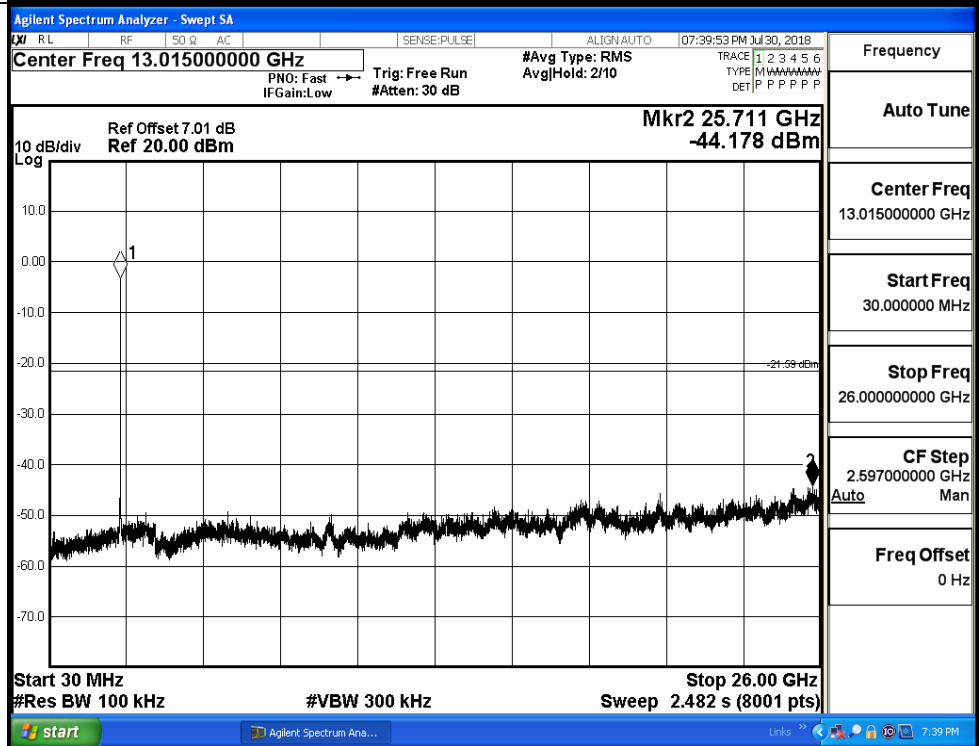
11B\_MCH\_Graphs

Pref/11B/MCH



Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.417000000 GHz
Stop Freq 2.457000000 GHz
CF Step 4.000000 MHz Auto Man
Freq Offset 0 Hz

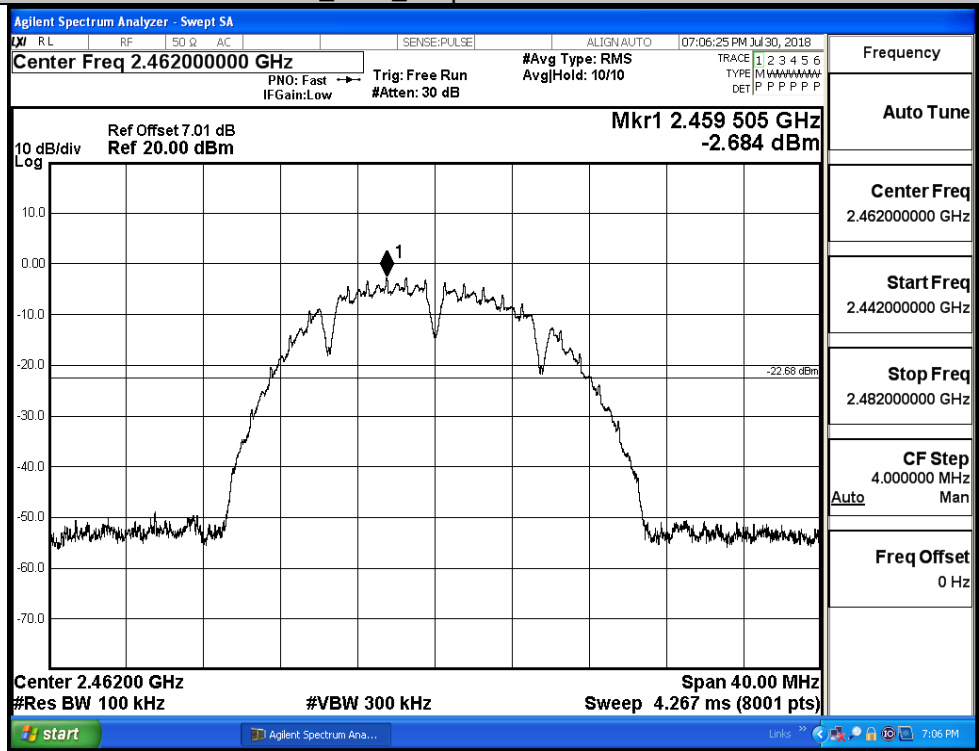
Puw/11B/MCH



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

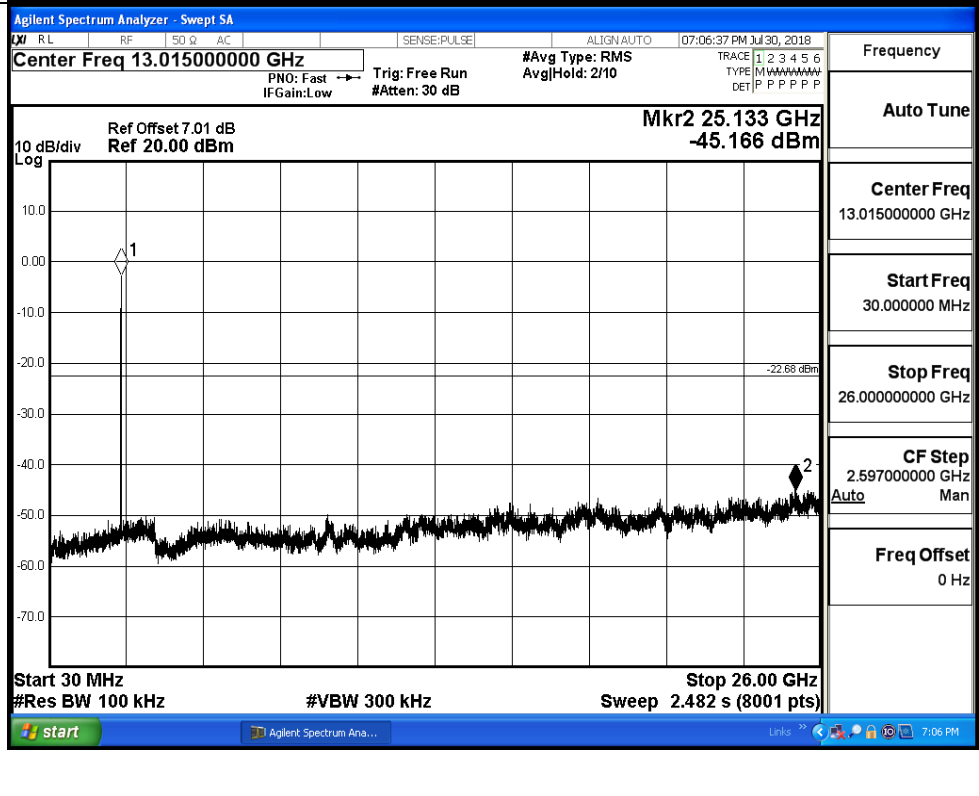
11B\_HCH\_Graphs

Pref/11B/HCH



Frequency	
Auto Tune	
Center Freq	2.462000000 GHz
Start Freq	2.442000000 GHz
Stop Freq	2.482000000 GHz
CF Step	4.000000 MHz
Auto	Man
Freq Offset	0 Hz

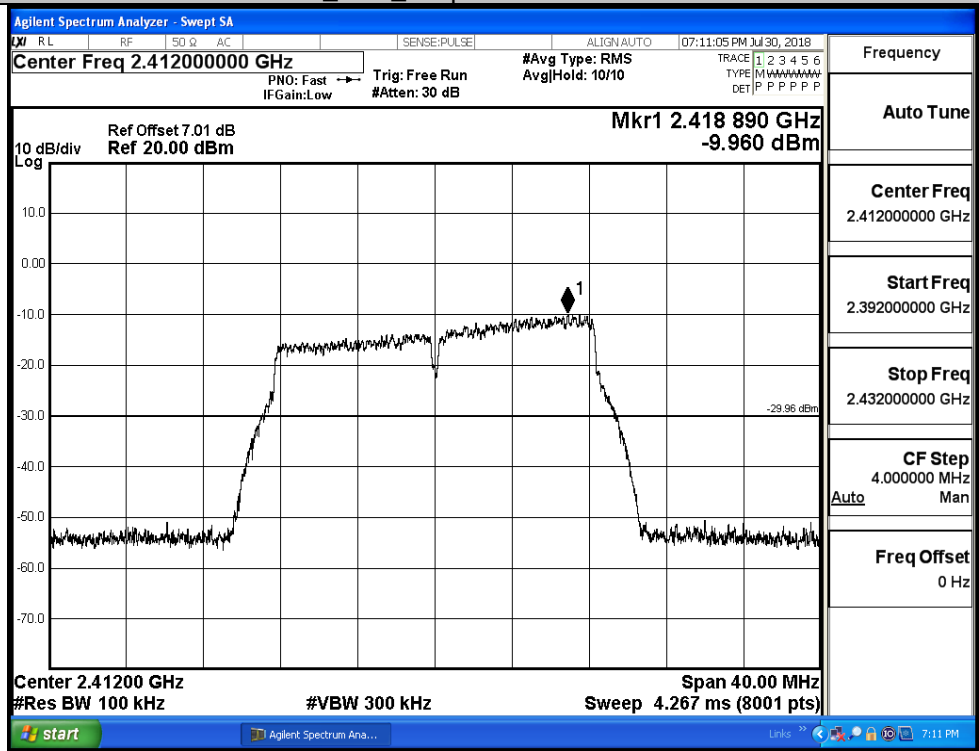
Puw/11B/HCH



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

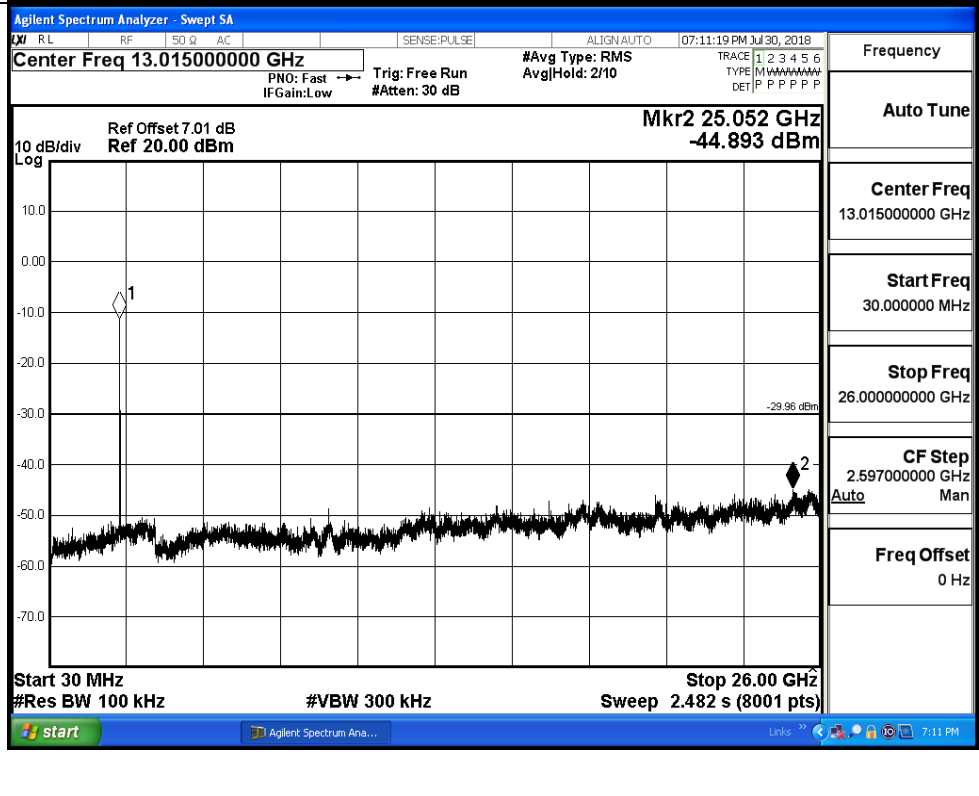
11G\_LCH\_Graphs

Pref/11G/LCH



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

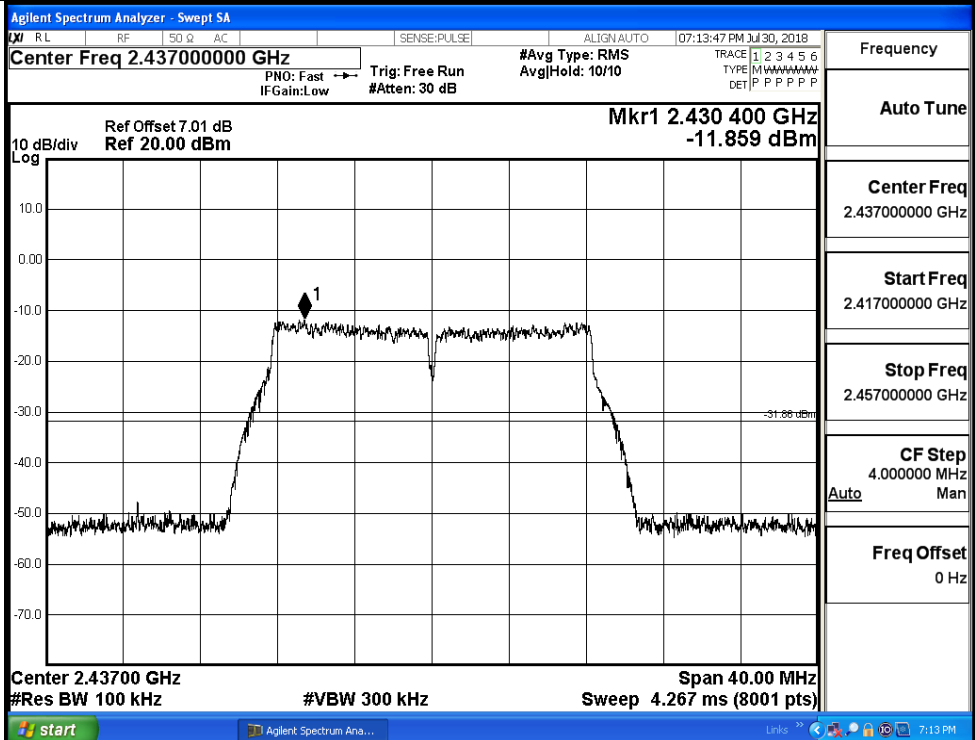
Puw/11G/LCH



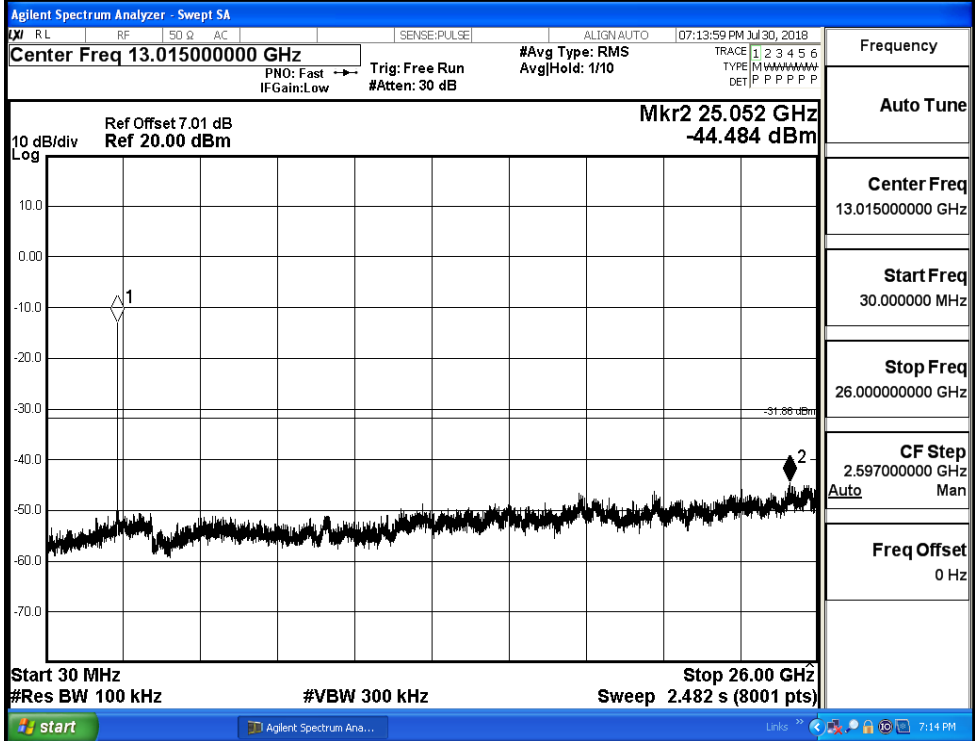
Frequency	
Auto Tune	
Center Freq	13.015000000 GHz
Start Freq	30.000000 MHz
Stop Freq	26.000000000 GHz
CF Step	2.597000000 GHz
Auto	Man
Freq Offset	0 Hz

11G\_MCH Graphs

Pref/11G/MCH



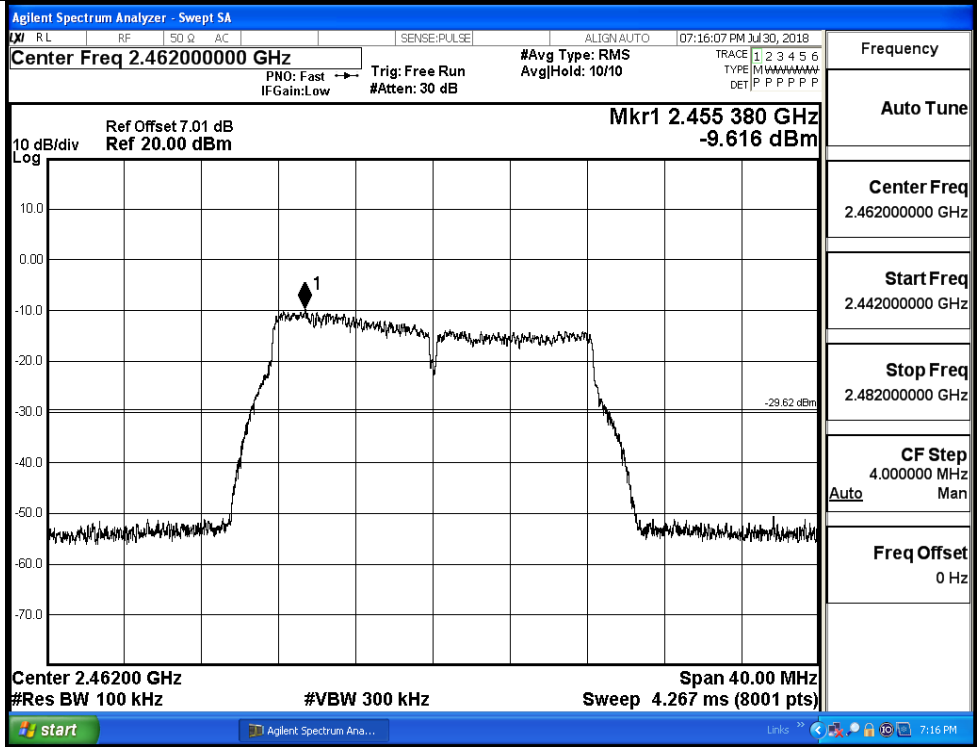
Puw/11G/MCH





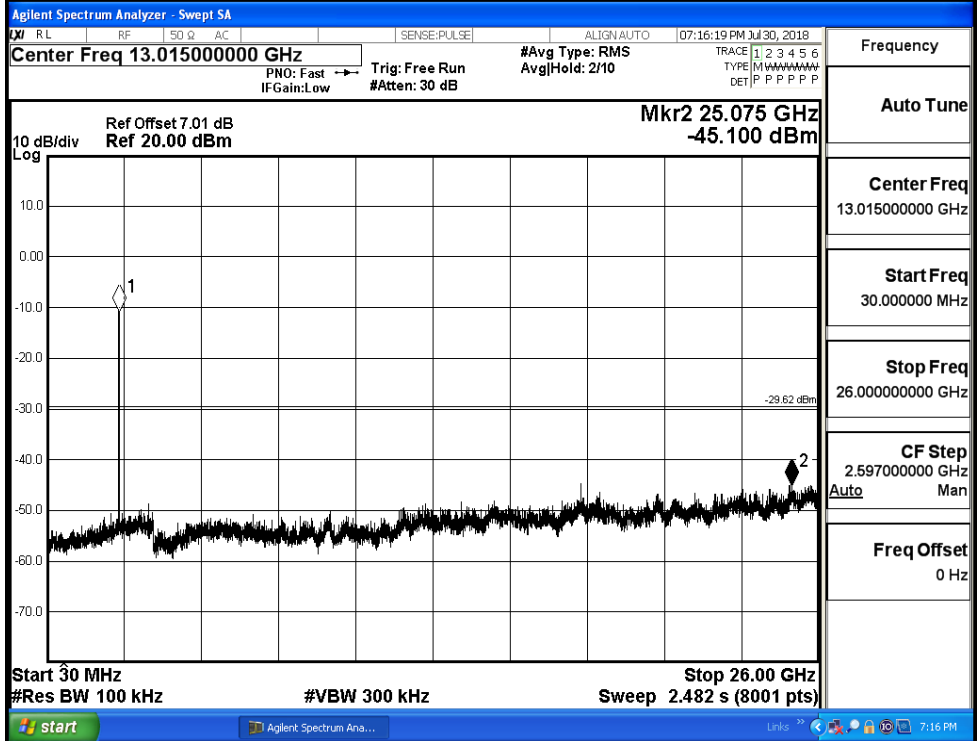
11G\_HCH Graphs

Pref/11G/HCH



Frequency
Auto Tune
Center Freq 2.462000000 GHz
Start Freq 2.442000000 GHz
Stop Freq 2.482000000 GHz
CF Step 4.000000 MHz Auto Man
Freq Offset 0 Hz

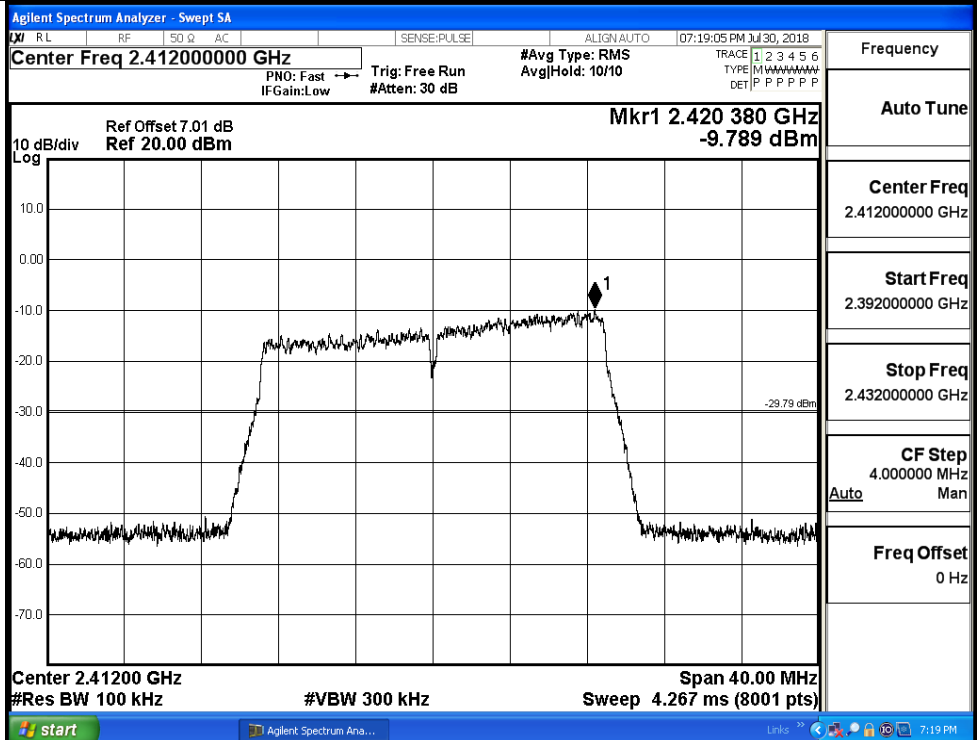
Puw/11G/HCH



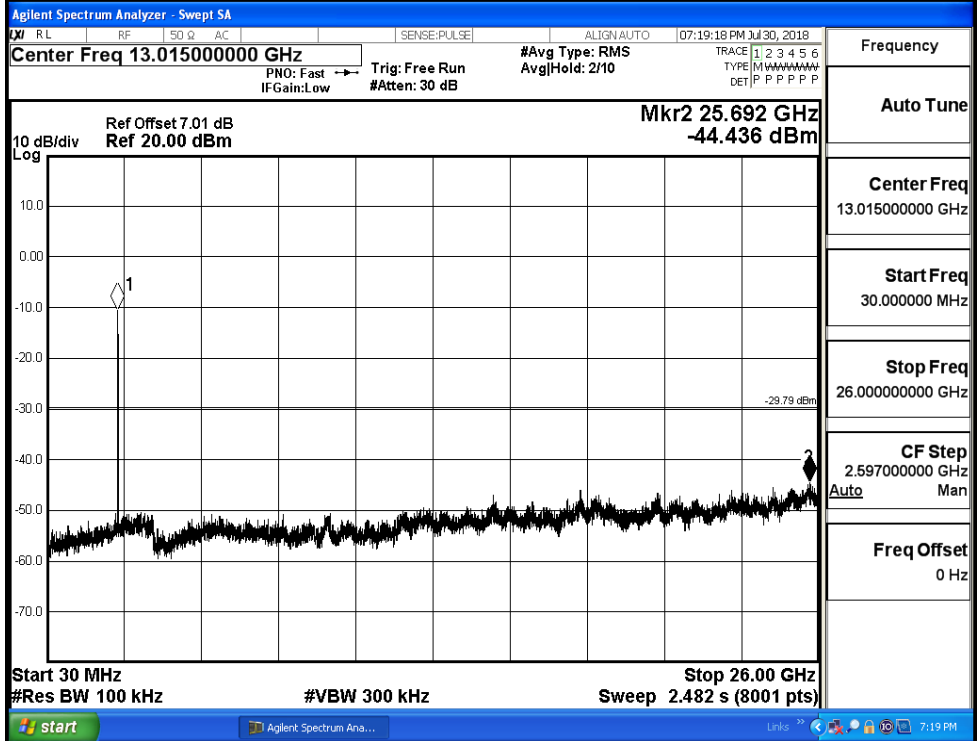
Frequency
Auto Tune
Center Freq 13.015000000 GHz
Start Freq 30.000000 MHz
Stop Freq 26.000000000 GHz
CF Step 2.597000000 GHz Auto Man
Freq Offset 0 Hz

11N20SISO LCH\_Graphs

Pref/11N20SIS  
O/LCH

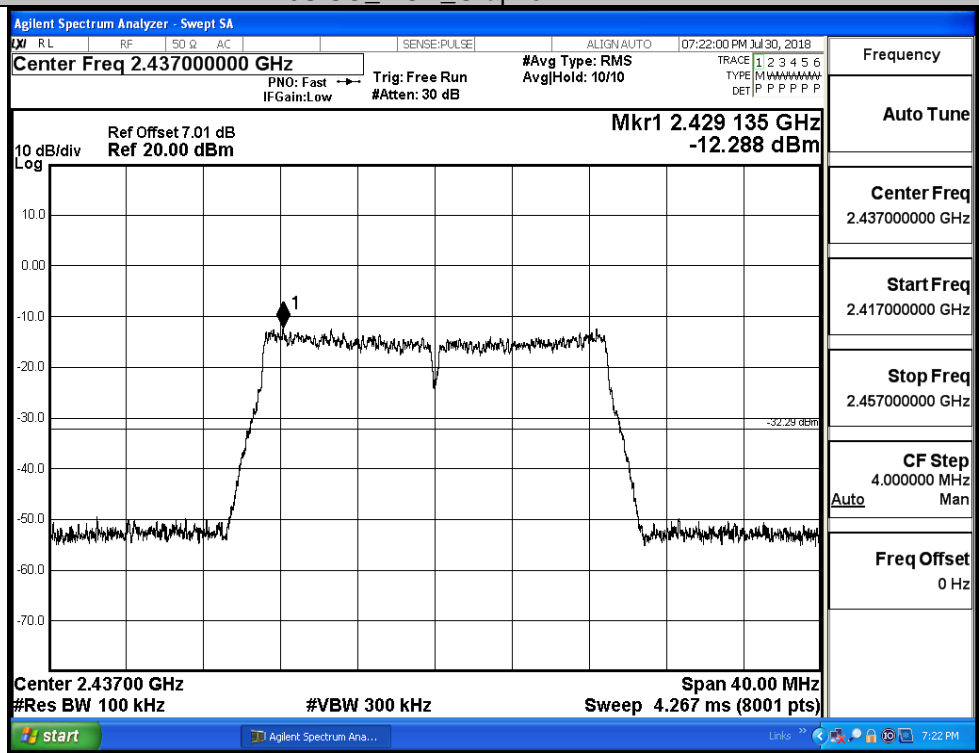


Puw/11N20  
SISO/LCH

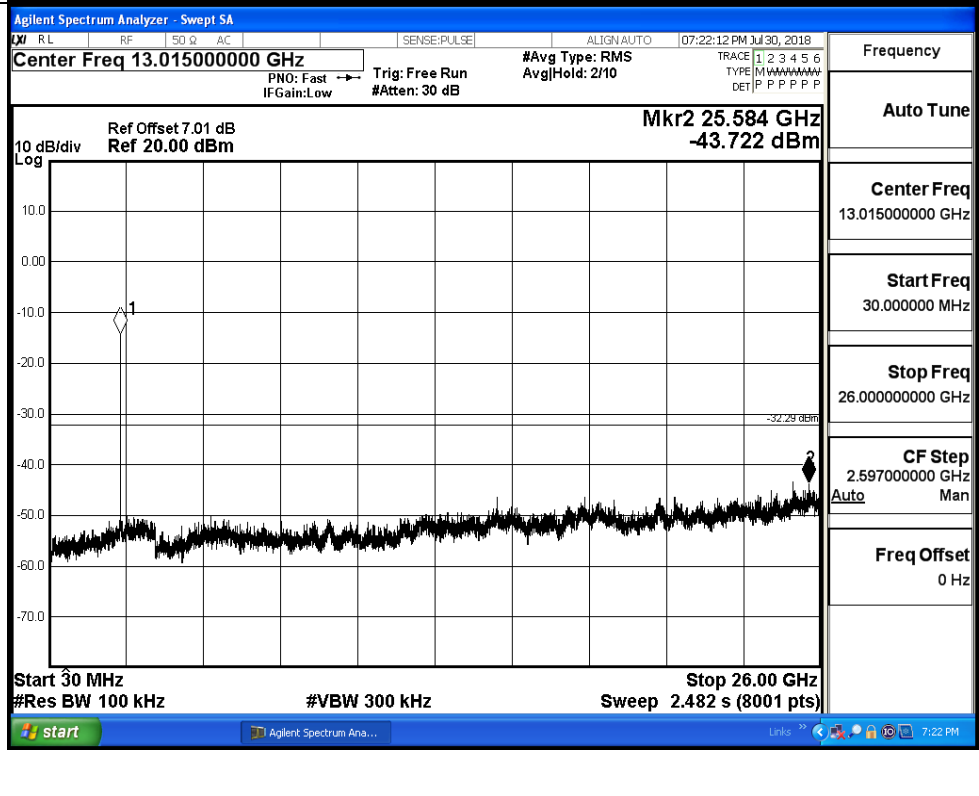


11N20SISO\_MCH\_Graphs

Pref/11N20  
SISO/MCH

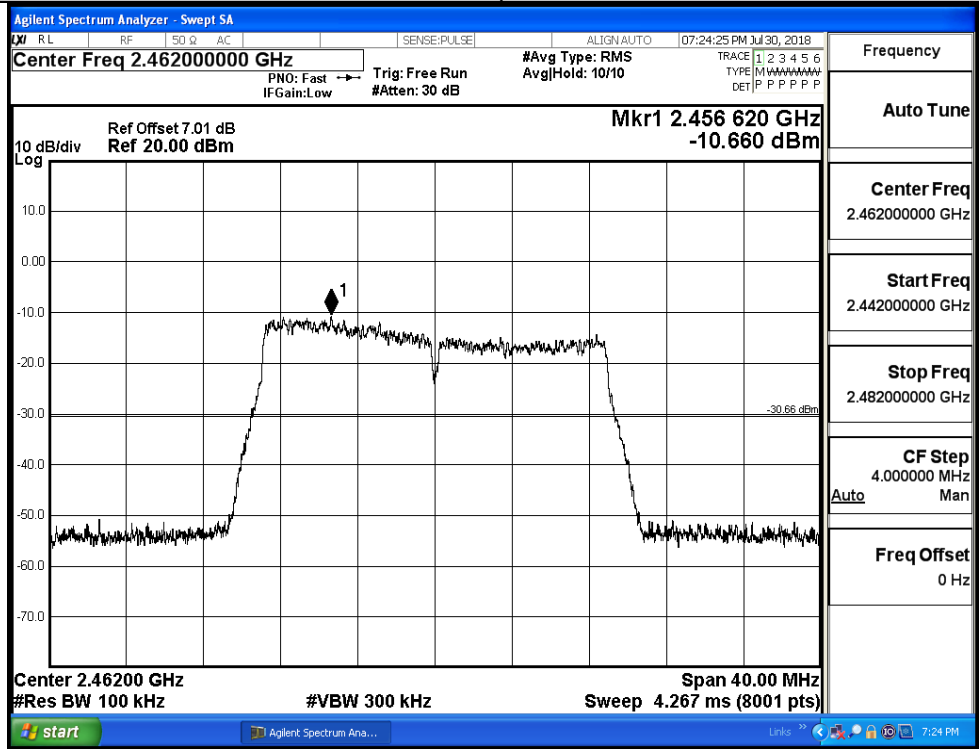


Puw/11N20  
SISO/MCH

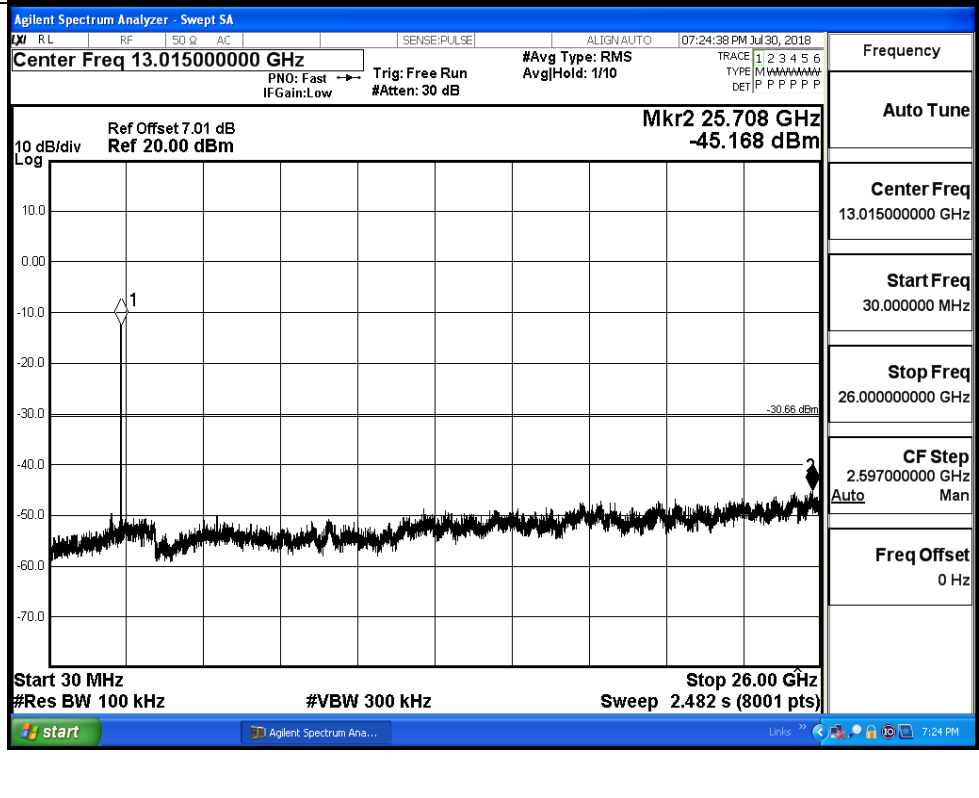


11N20SISO\_HCH\_Graphs

Pref/11N20  
SISO/HCH

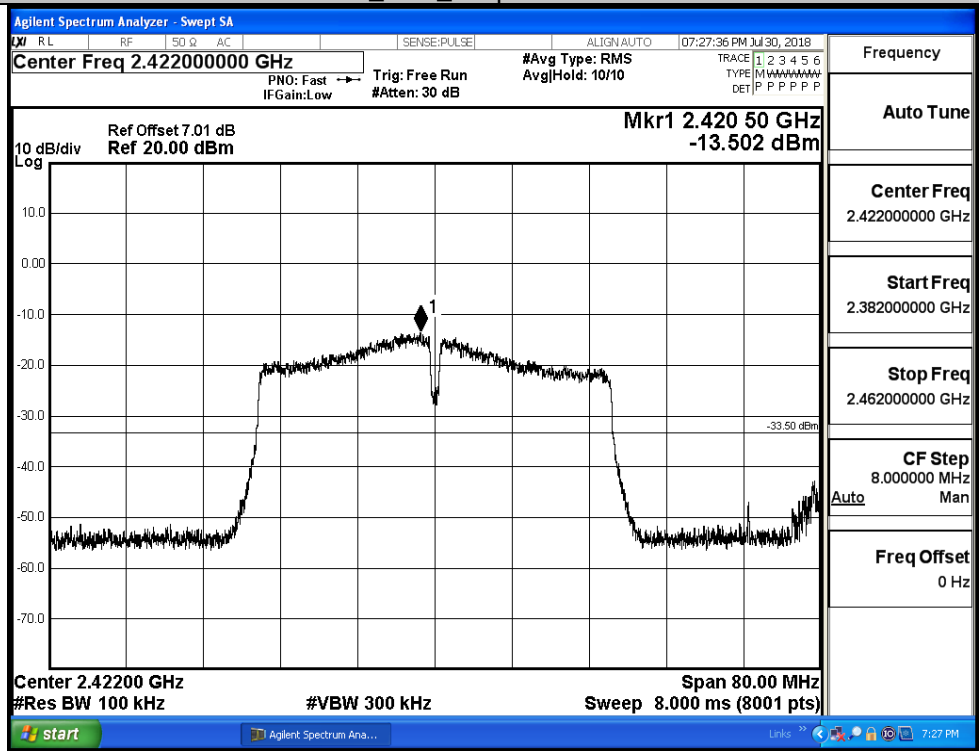


Puw/11N20  
SISO/HCH

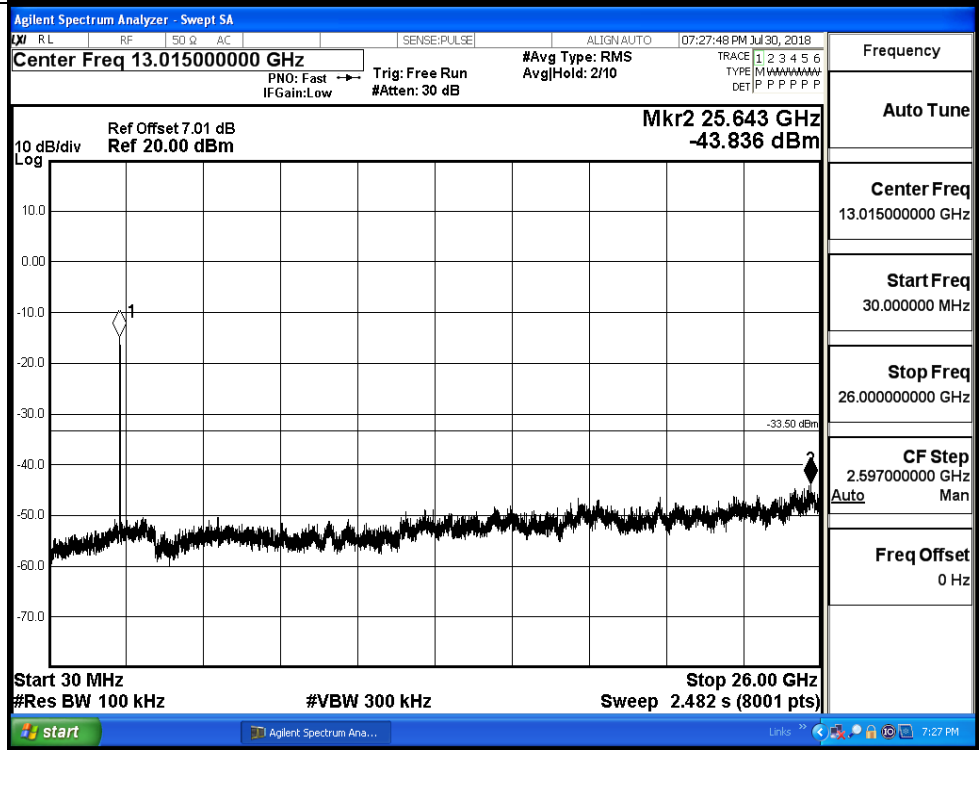


11N40SISO LCH\_Graphs

Pref/11N40  
SISO/LCH

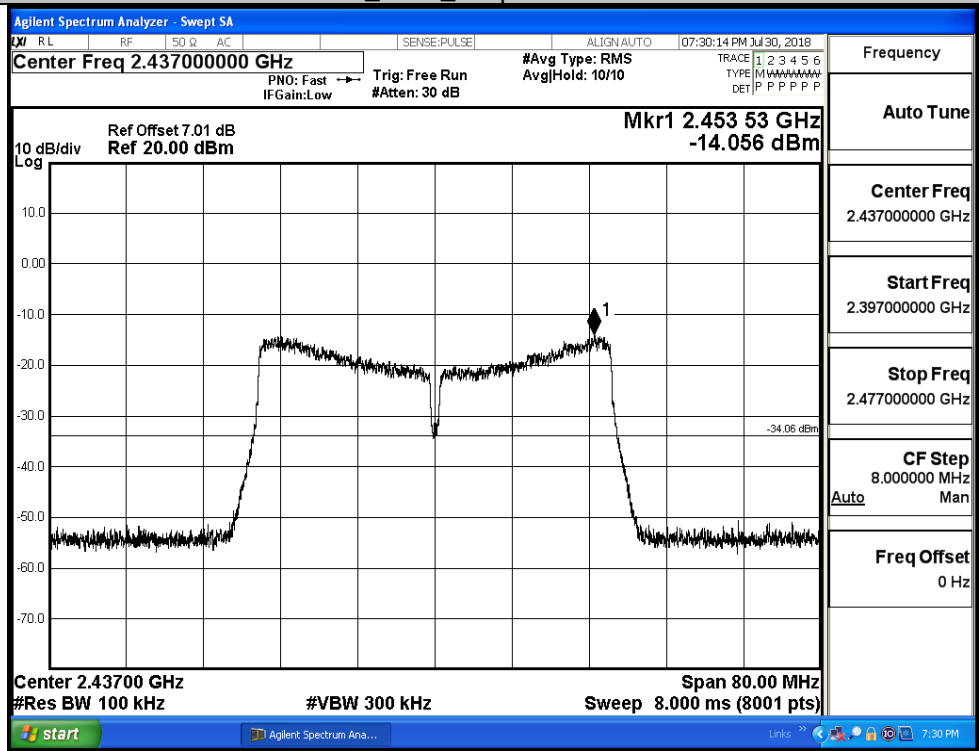


Puw/11N40  
SISO/LCH

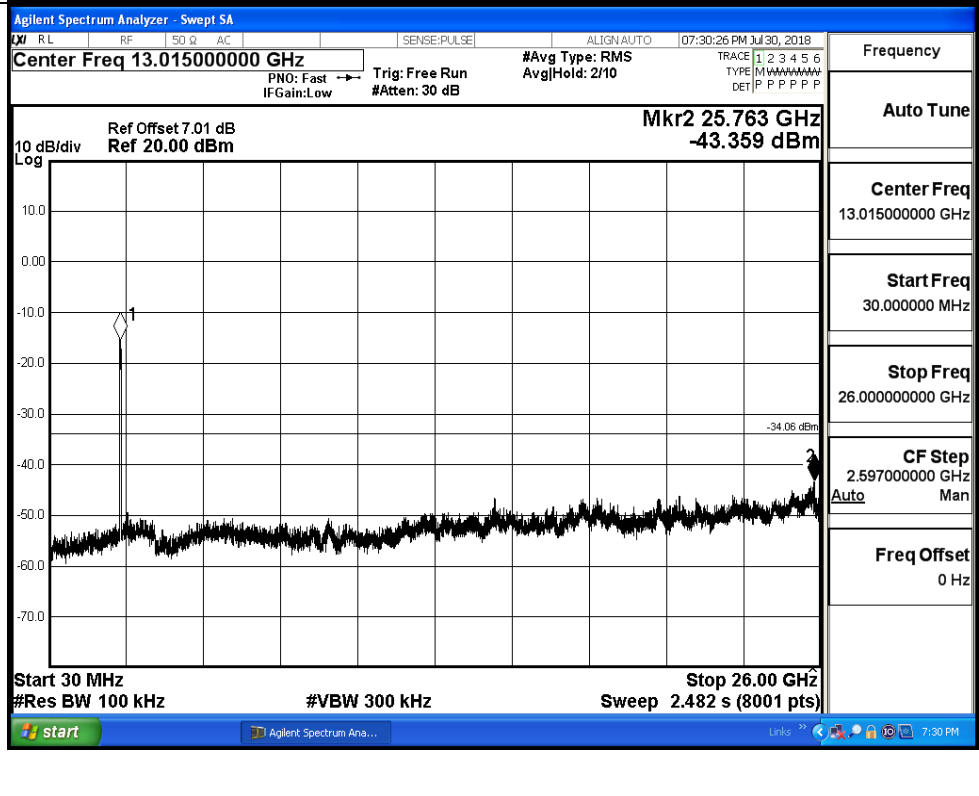


11N40SISO\_MCH\_Graphs

Pref/11N40  
SISO/MCH

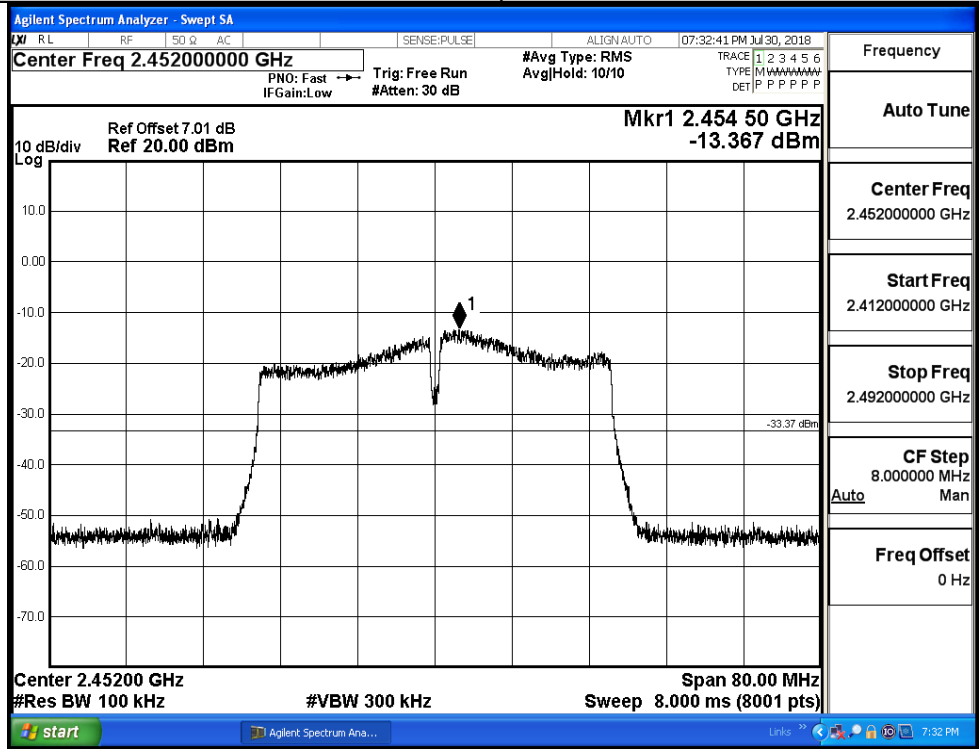


Puw/11N40  
SISO/MCH

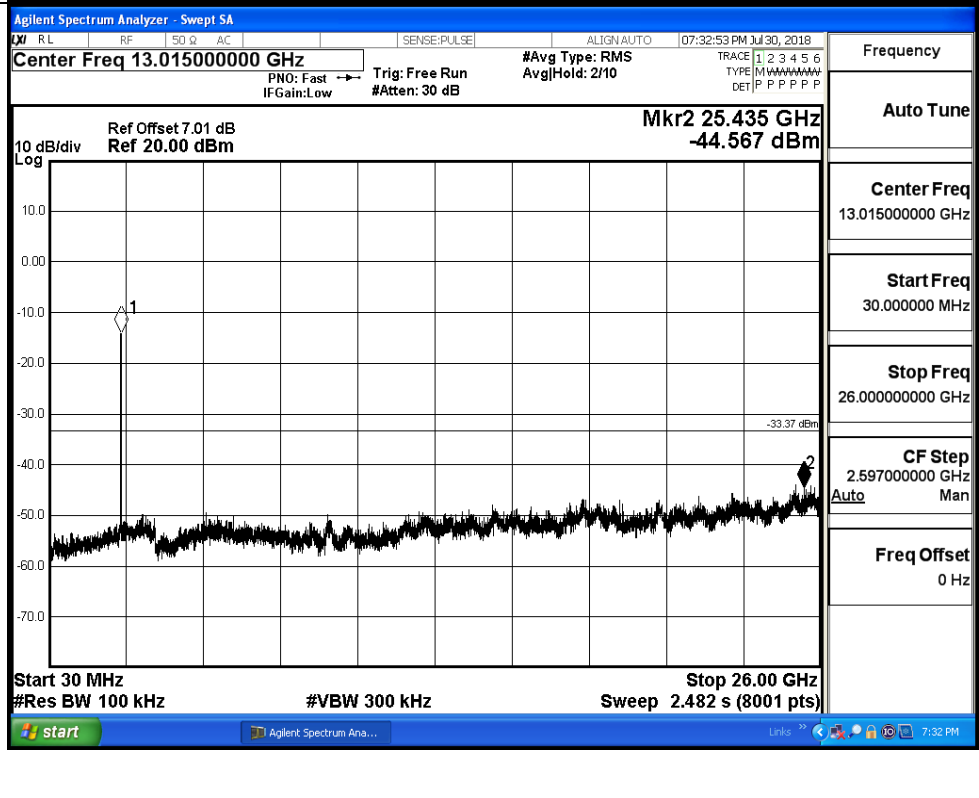


11N40SISO\_HCH\_Graphs

Pref/11N40  
SISO/HCH

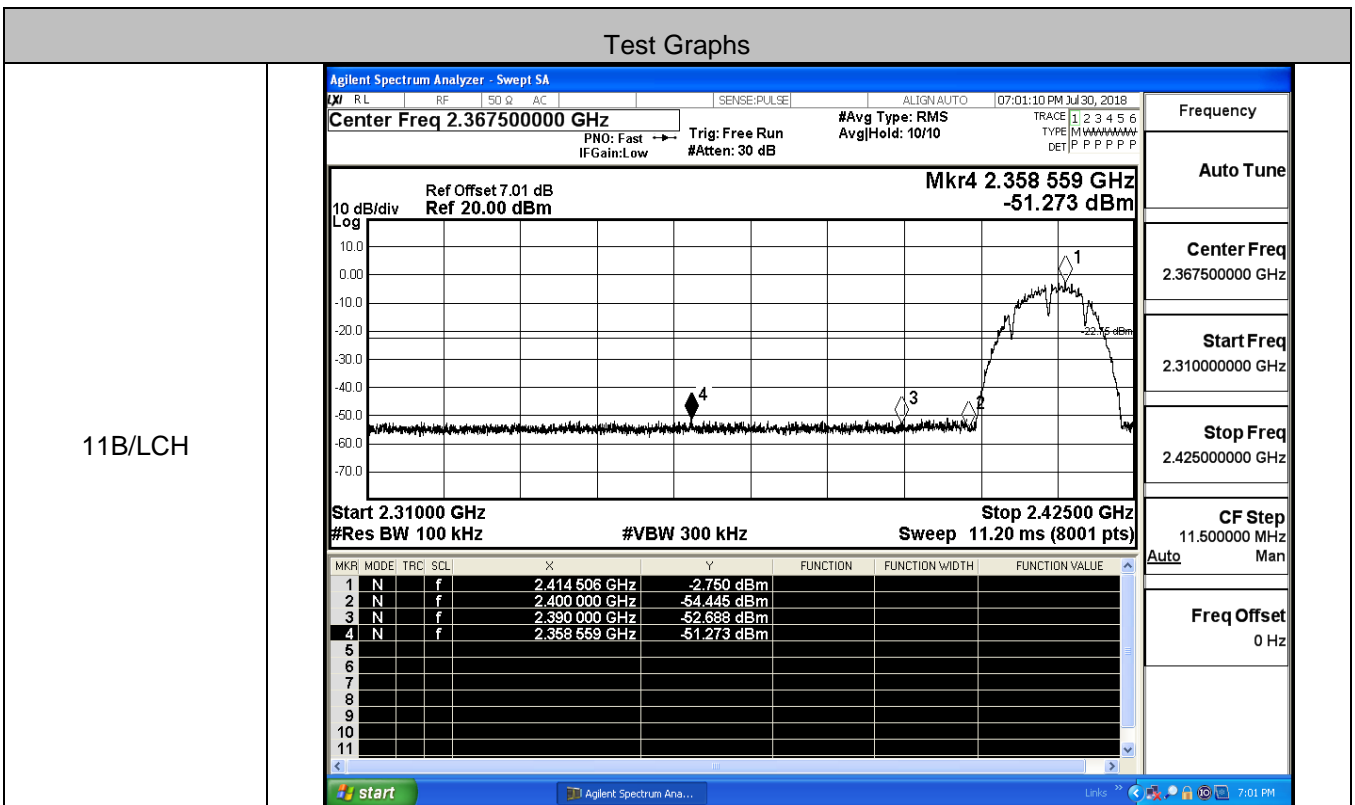


Puw/11N40  
SISO/HCH



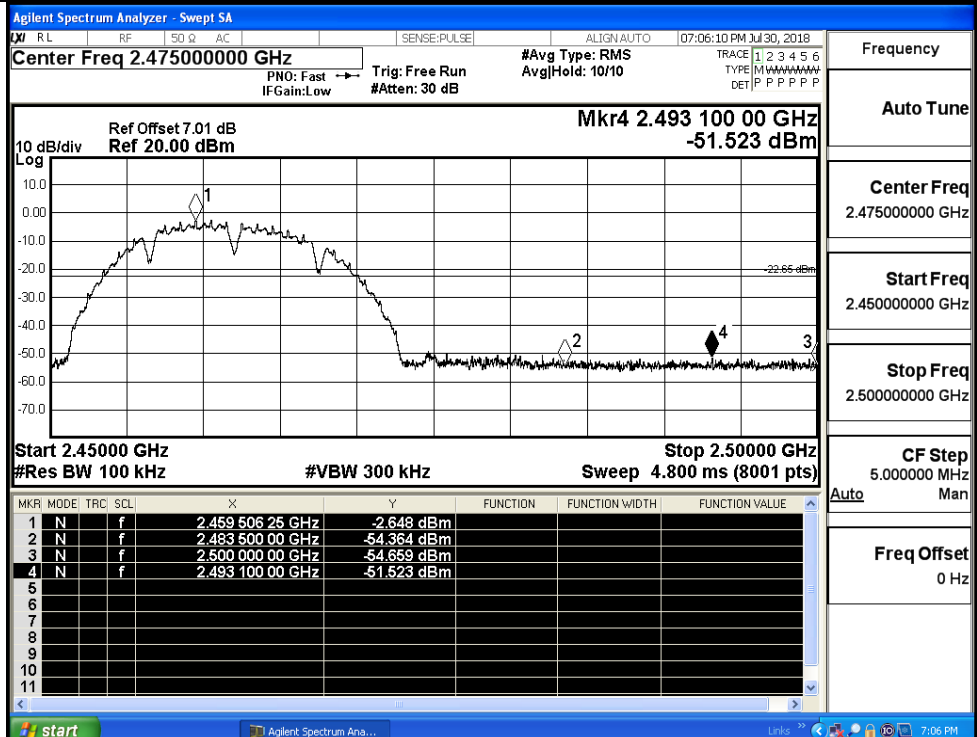
### B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-2.750	-51.273	-22.75	PASS
	HCH	-2.648	-51.523	-22.65	PASS
11G	LCH	-9.883	-51.352	-29.88	PASS
	HCH	-9.609	-51.230	-29.61	PASS
11N20SISO	LCH	-9.766	-51.538	-29.77	PASS
	HCH	-10.564	-50.514	-30.56	PASS
11N40SISO	LCH	-13.503	-51.059	-33.50	PASS
	HCH	-12.374	-51.406	-32.37	PASS

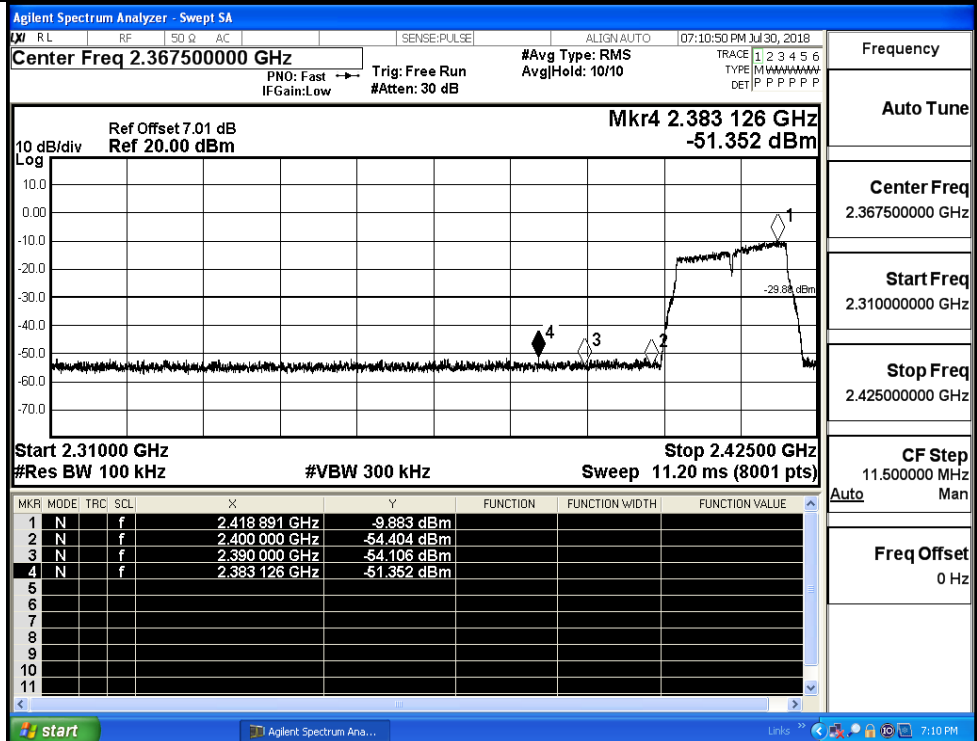




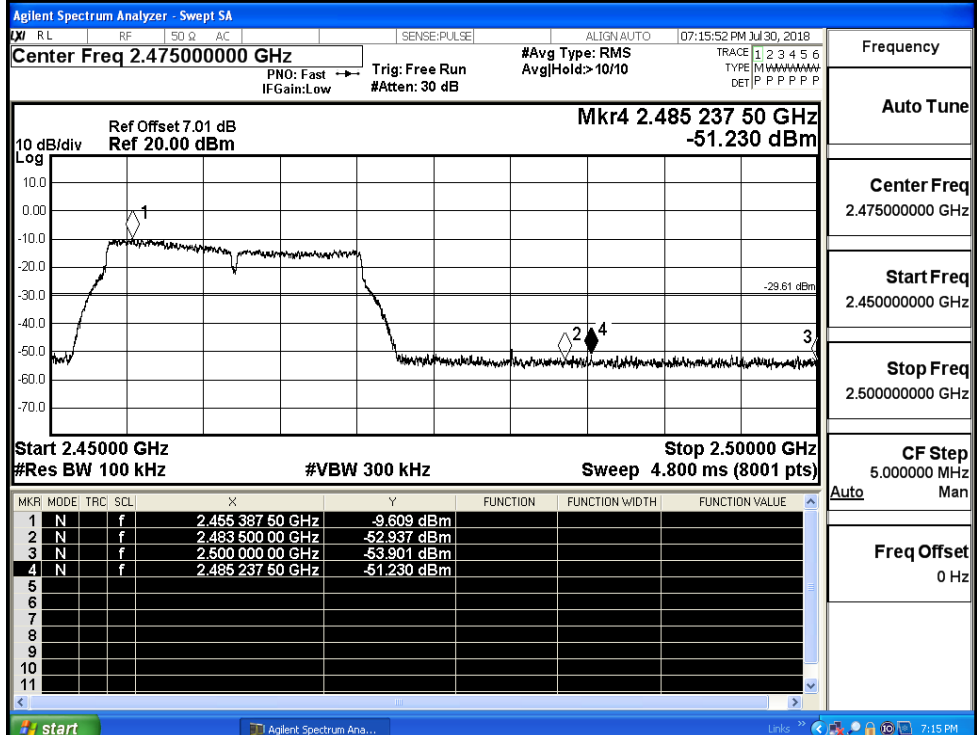
11B/HCH



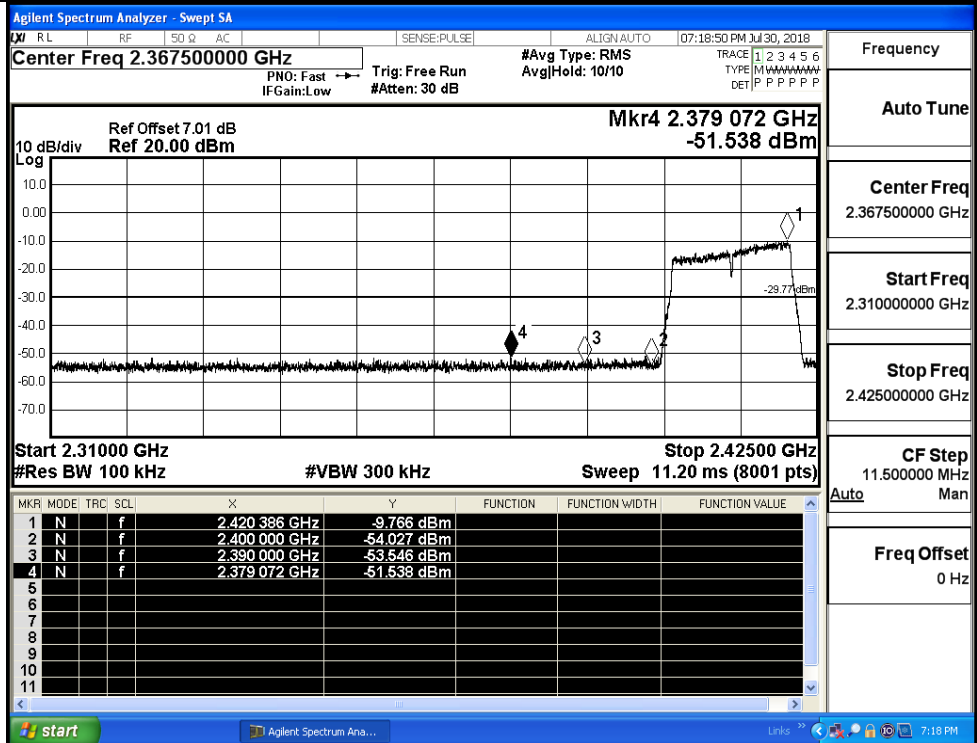
11G/LCH



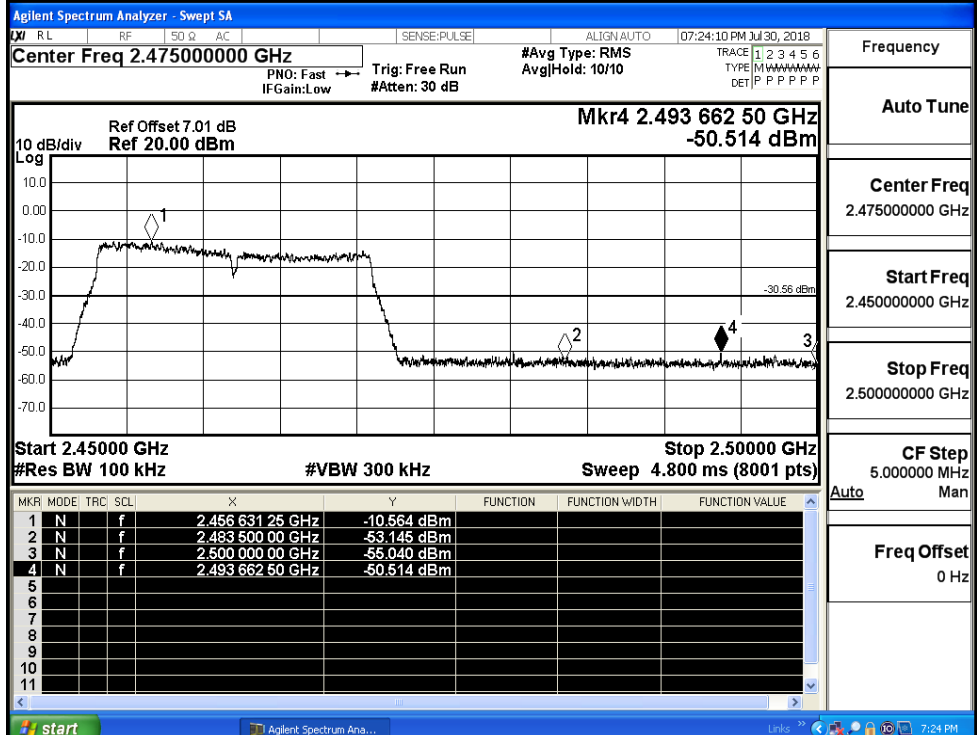
11G/HCH



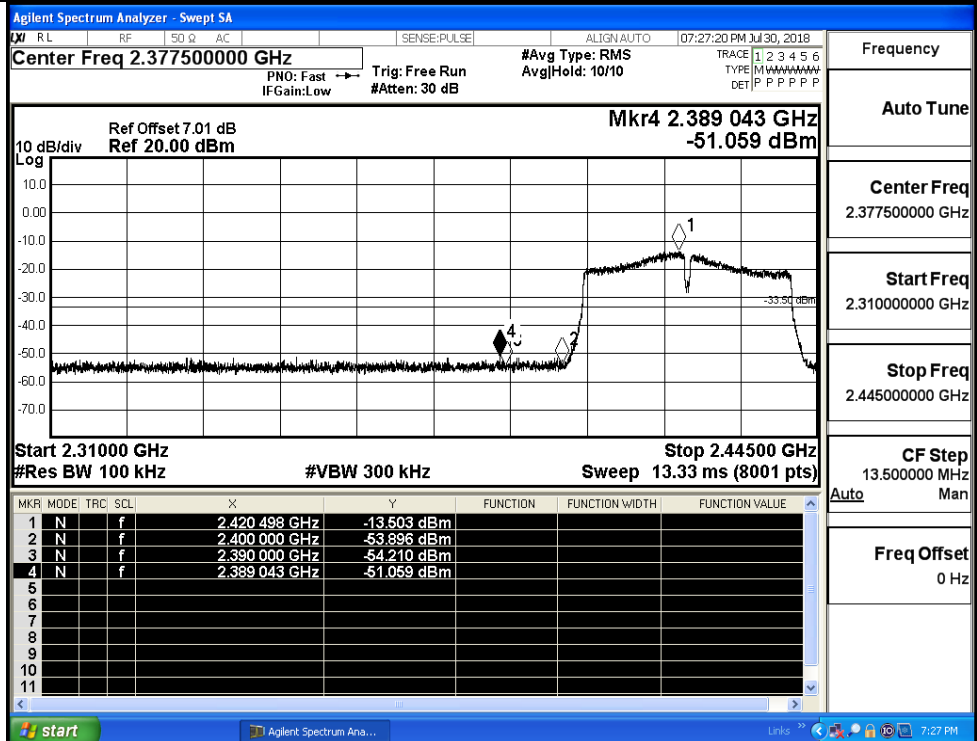
11N20SISO/LCH



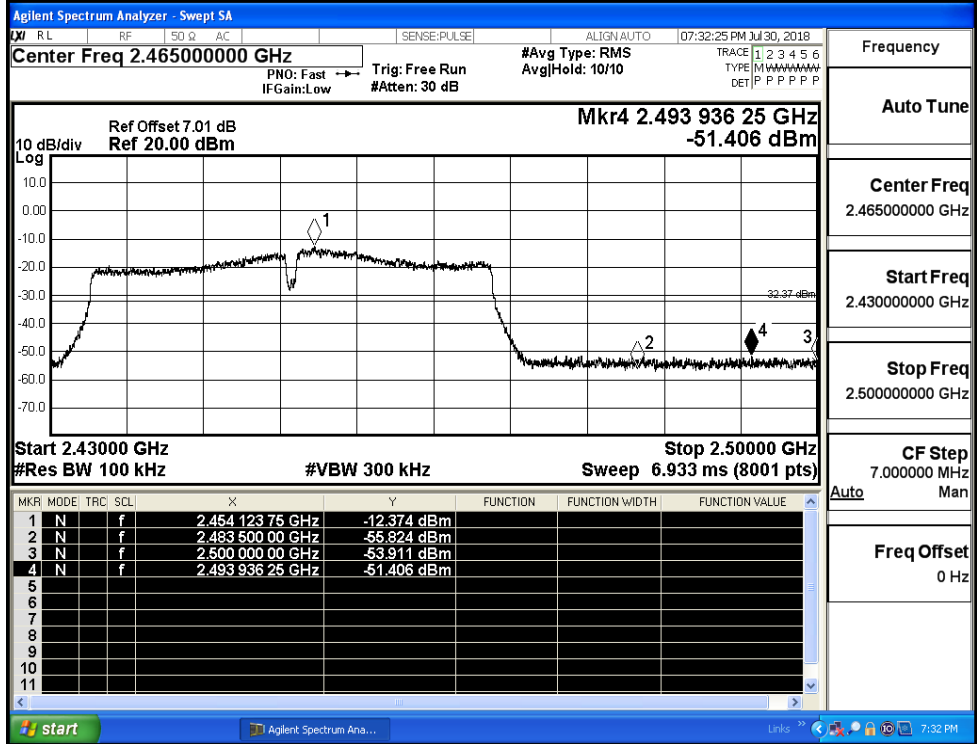
11N20SISO/HCH



11N40SISO/LCH



11N40SISO/HCH

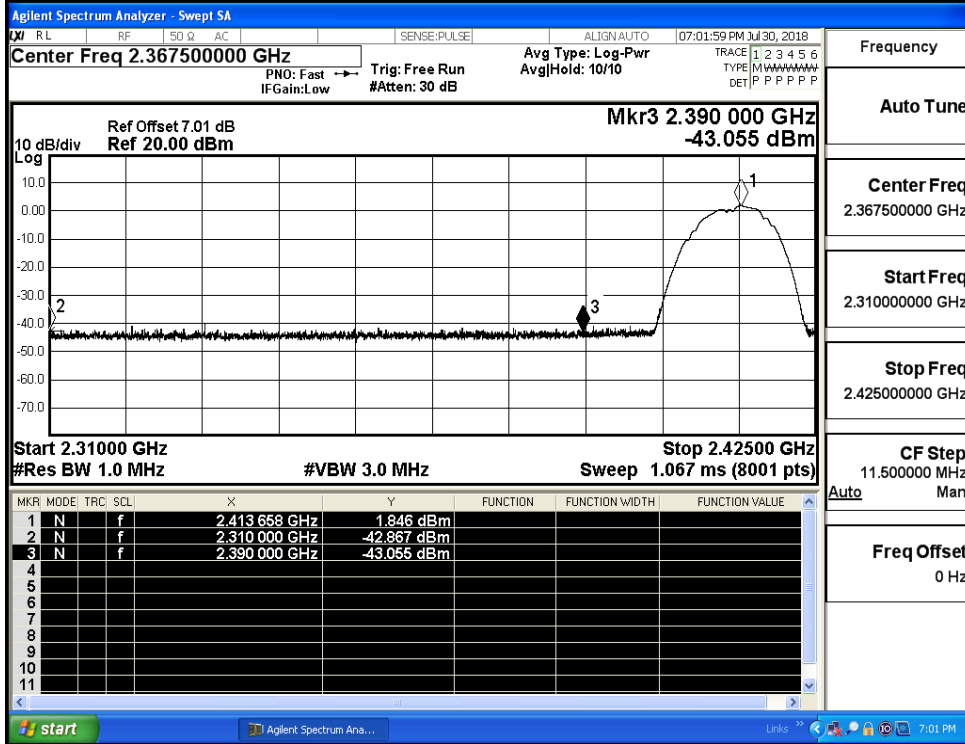


**B.7 Restrict-band band-edge measurements**

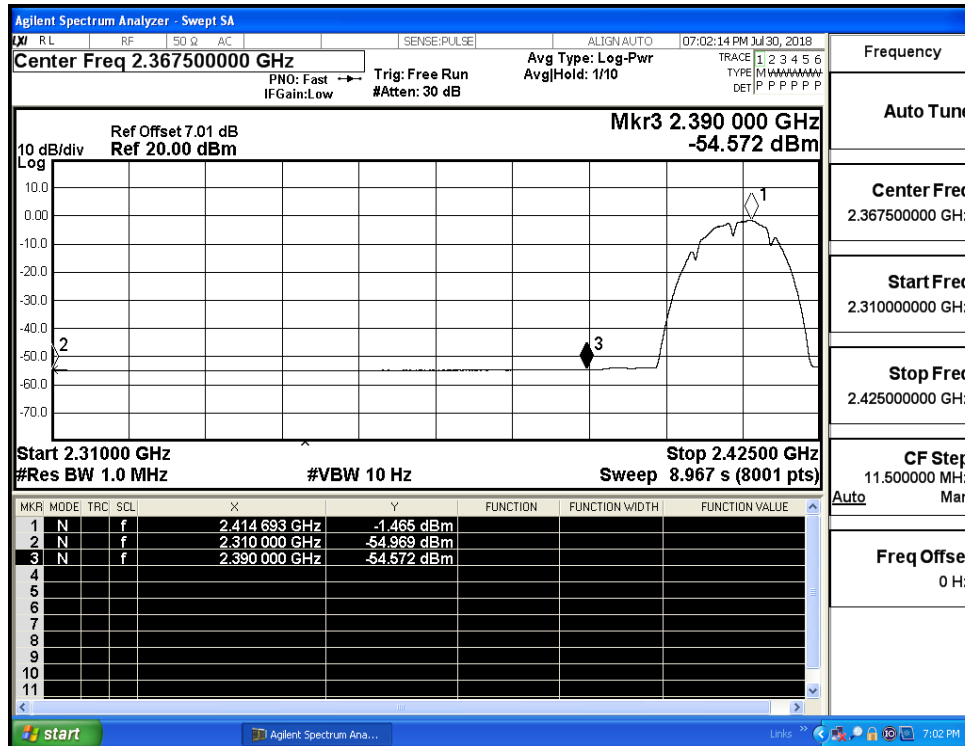
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
11B	2412	Ant1	2310.0	-42.87	2.5	0	54.86	PEAK	74	PASS
	2412	Ant1	2310.0	-54.97	2.5	0	42.76	AV	54	PASS
	2412	Ant1	2390.0	-43.06	2.5	0	54.67	PEAK	74	PASS
	2412	Ant1	2390.0	-54.57	2.5	0	43.16	AV	54	PASS
	2462	Ant1	2483.5	-43.99	2.5	0	53.74	PEAK	74	PASS
	2462	Ant1	2483.5	-54.28	2.5	0	43.45	AV	54	PASS
	2462	Ant1	2500.0	-44.59	2.5	0	53.14	PEAK	74	PASS
	2462	Ant1	2500.0	-54.37	2.5	0	43.36	AV	54	PASS
11G	2412	Ant1	2310.0	-45.05	2.5	0	52.68	PEAK	74	PASS
	2412	Ant1	2310.0	-54.98	2.5	0	42.75	AV	54	PASS
	2412	Ant1	2390.0	-43.64	2.5	0	54.09	PEAK	74	PASS
	2412	Ant1	2390.0	-54.49	2.5	0	43.24	AV	54	PASS
	2462	Ant1	2483.5	-44.78	2.5	0	52.95	PEAK	74	PASS
	2462	Ant1	2483.5	-54.21	2.5	0	43.52	AV	54	PASS
	2462	Ant1	2500.0	-43.77	2.5	0	53.96	PEAK	74	PASS
	2462	Ant1	2500.0	-54.37	2.5	0	43.36	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.42	2.5	0	54.31	PEAK	74	PASS
	2412	Ant1	2310.0	-54.99	2.5	0	42.74	AV	54	PASS
	2412	Ant1	2390.0	-43.42	2.5	0	54.31	PEAK	74	PASS
	2412	Ant1	2390.0	-54.54	2.5	0	43.19	AV	54	PASS
	2462	Ant1	2483.5	-44.25	2.5	0	53.48	PEAK	74	PASS
	2462	Ant1	2483.5	-54.21	2.5	0	43.52	AV	54	PASS
	2462	Ant1	2500.0	-44.63	2.5	0	53.10	PEAK	74	PASS
	2462	Ant1	2500.0	-54.37	2.5	0	43.36	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-44.21	2.5	0	53.52	PEAK	74	PASS
	2422	Ant1	2310.0	-54.97	2.5	0	42.76	AV	54	PASS

	2422	Ant1	2390.0	-44.25	2.5	0	53.48	PEAK	74	PASS
	2422	Ant1	2390.0	-54.57	2.5	0	43.16	AV	54	PASS
	2452	Ant1	2483.5	-43.08	2.5	0	54.65	PEAK	74	PASS
	2452	Ant1	2483.5	-54.28	2.5	0	43.45	AV	54	PASS
	2452	Ant1	2500.0	-42.03	2.5	0	55.70	PEAK	74	PASS
	2452	Ant1	2500.0	-54.35	2.5	0	43.38	AV	54	PASS

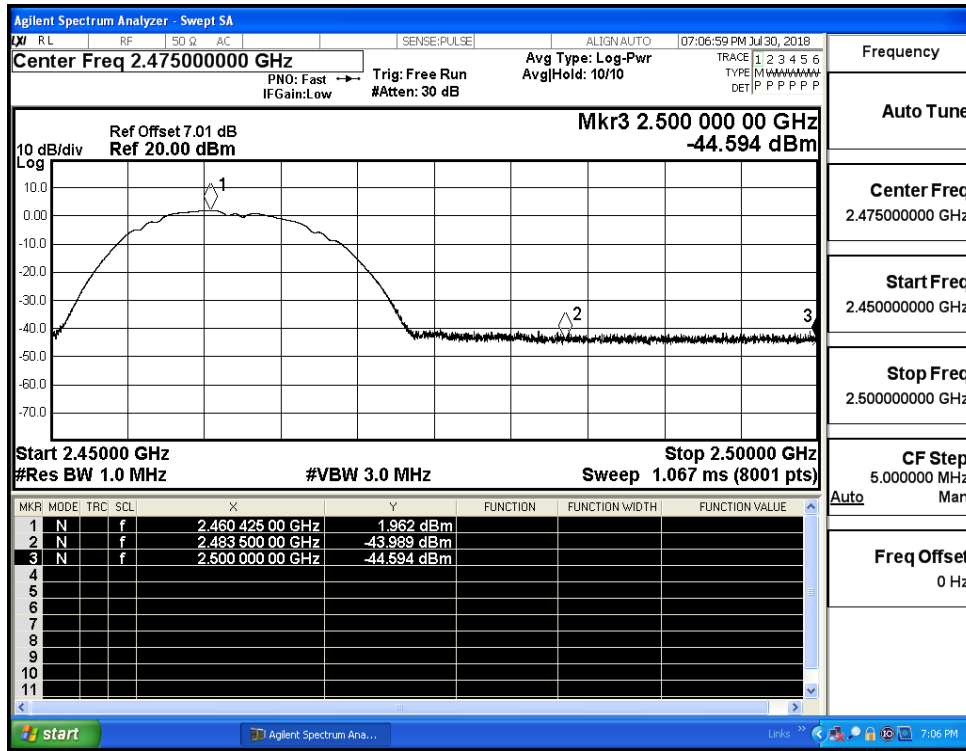
Restrict-band band-edge measurements\_11B\_2412\_Ant1\_PEAK



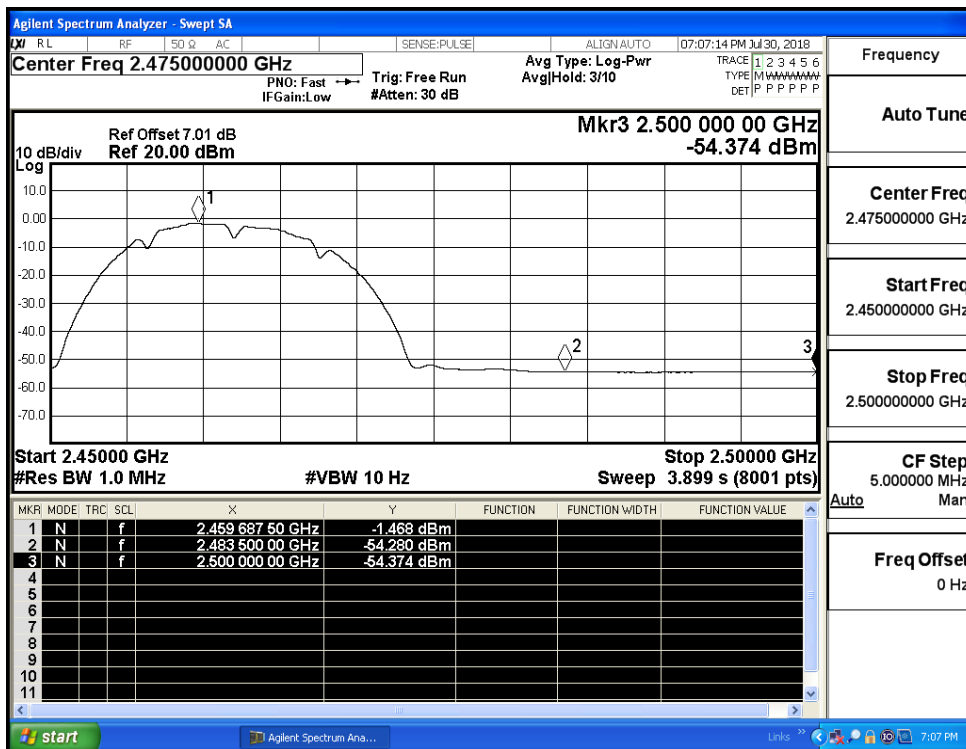
Restrict-band band-edge measurements\_11B\_2412\_Ant1\_AV



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

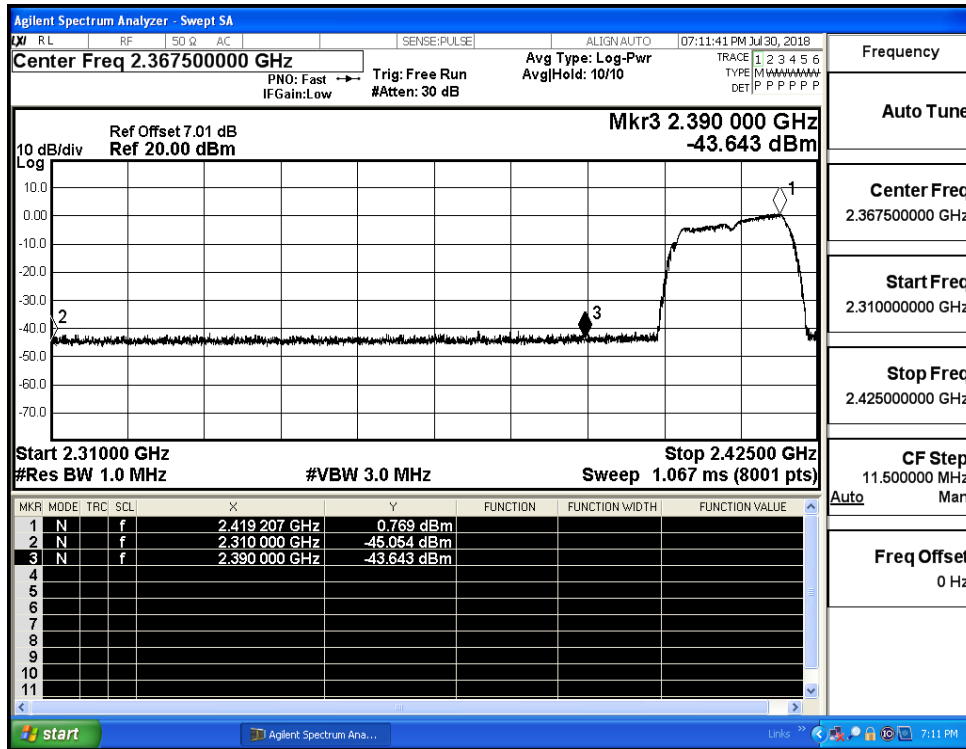


Restrict-band band-edge measurements\_11B\_2462\_Ant1\_AV

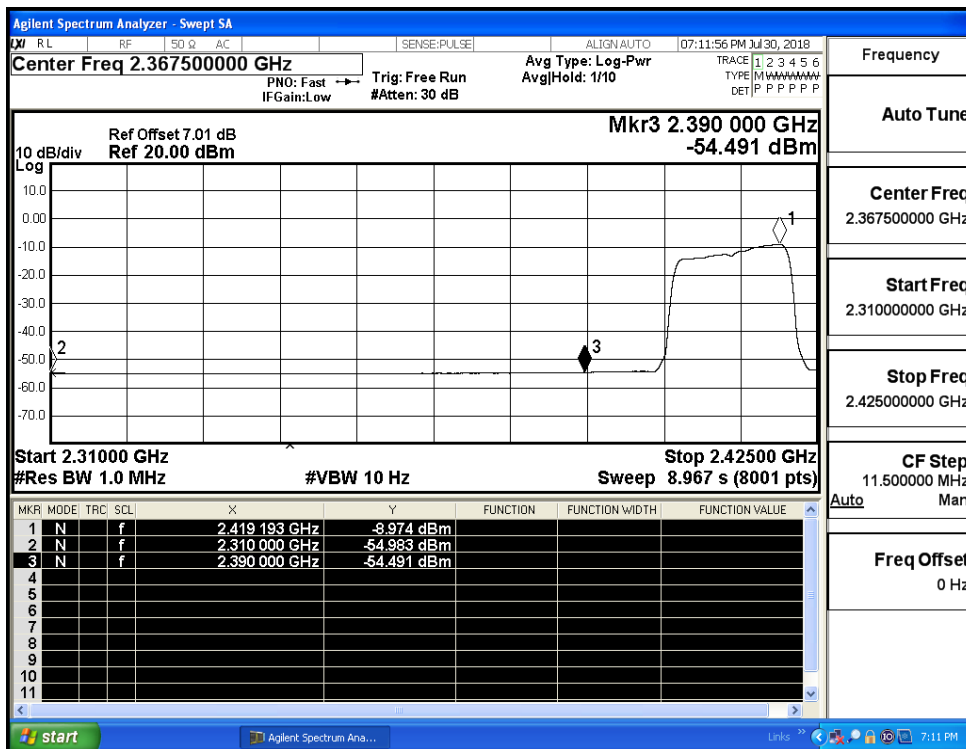




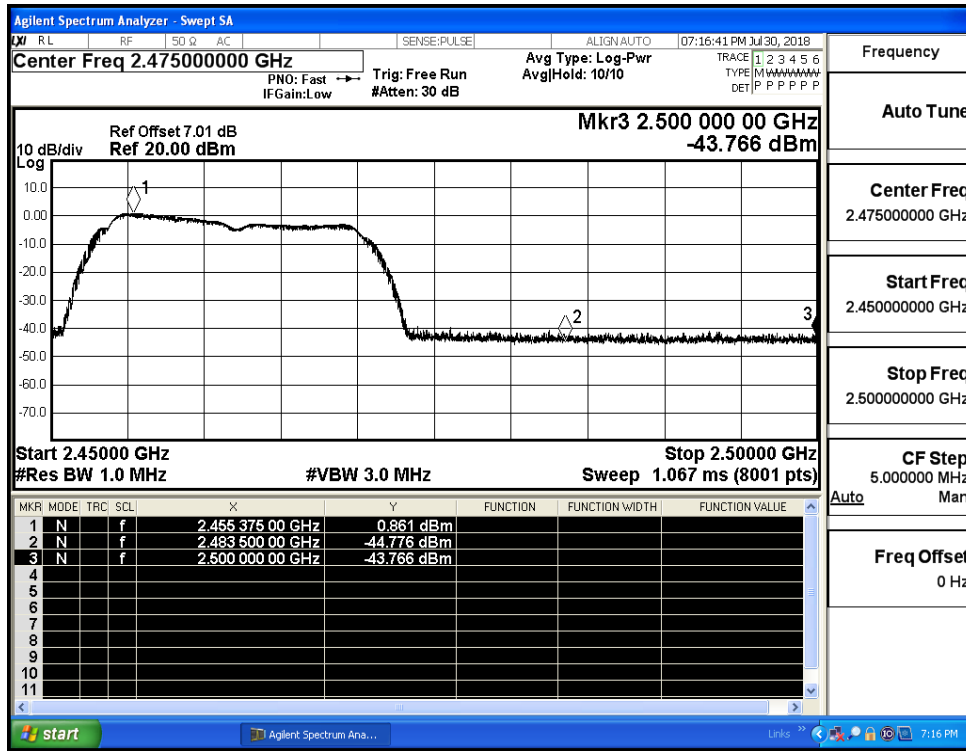
Restrict-band band-edge measurements\_11G\_2412\_Ant1\_PEAK



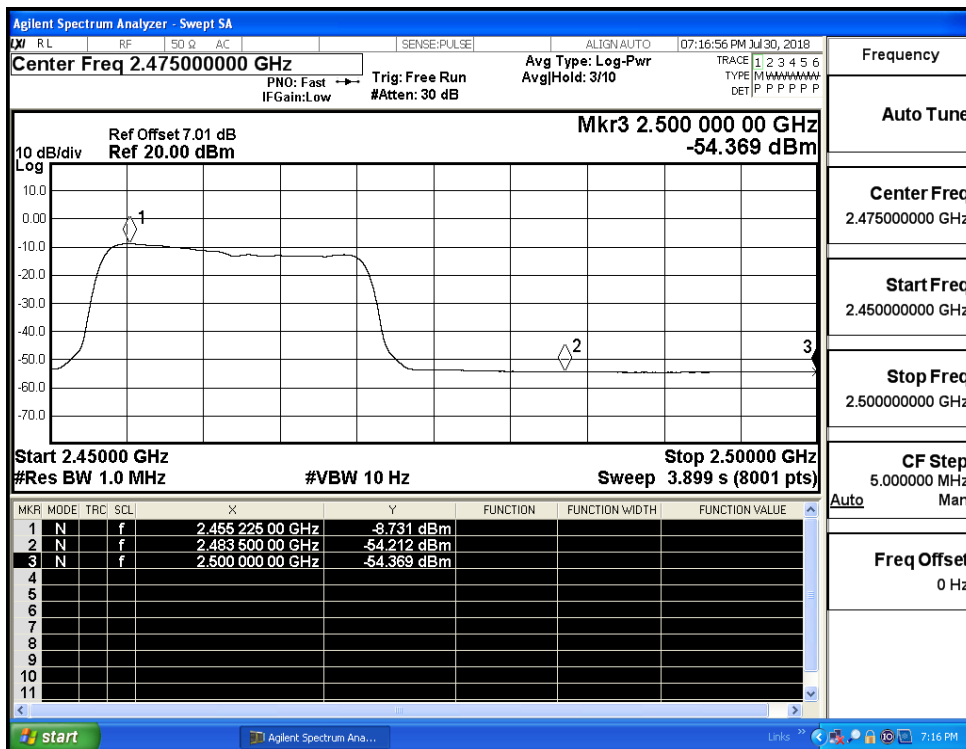
Restrict-band band-edge measurements\_11G\_2412\_Ant1\_AV



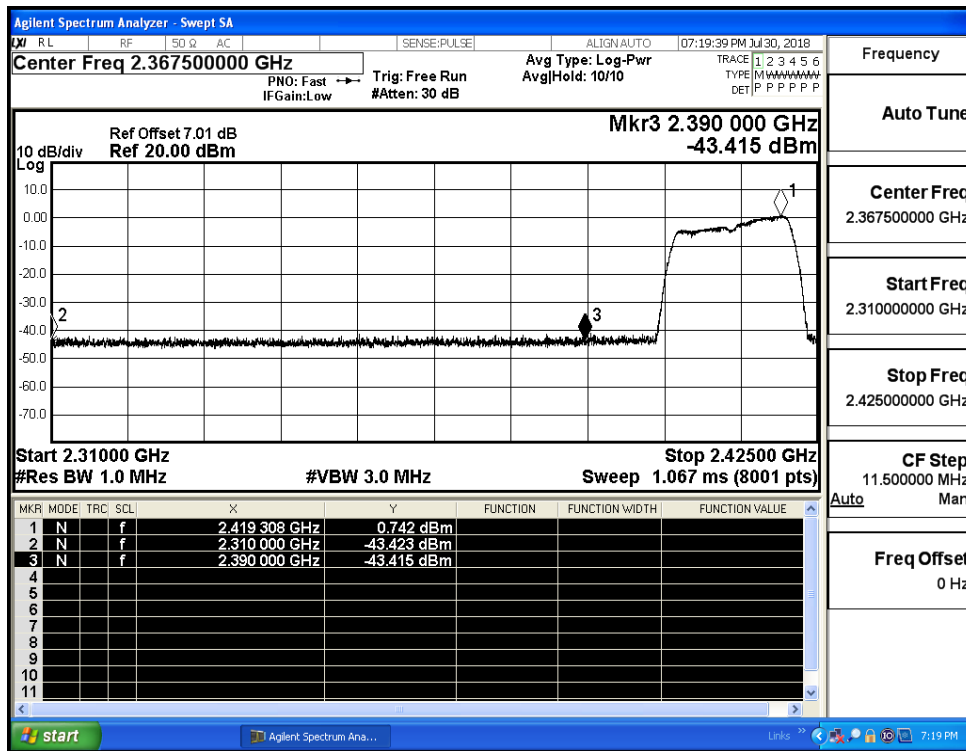
Restrict-band band-edge measurements\_11G\_2462\_Ant1\_PEAK



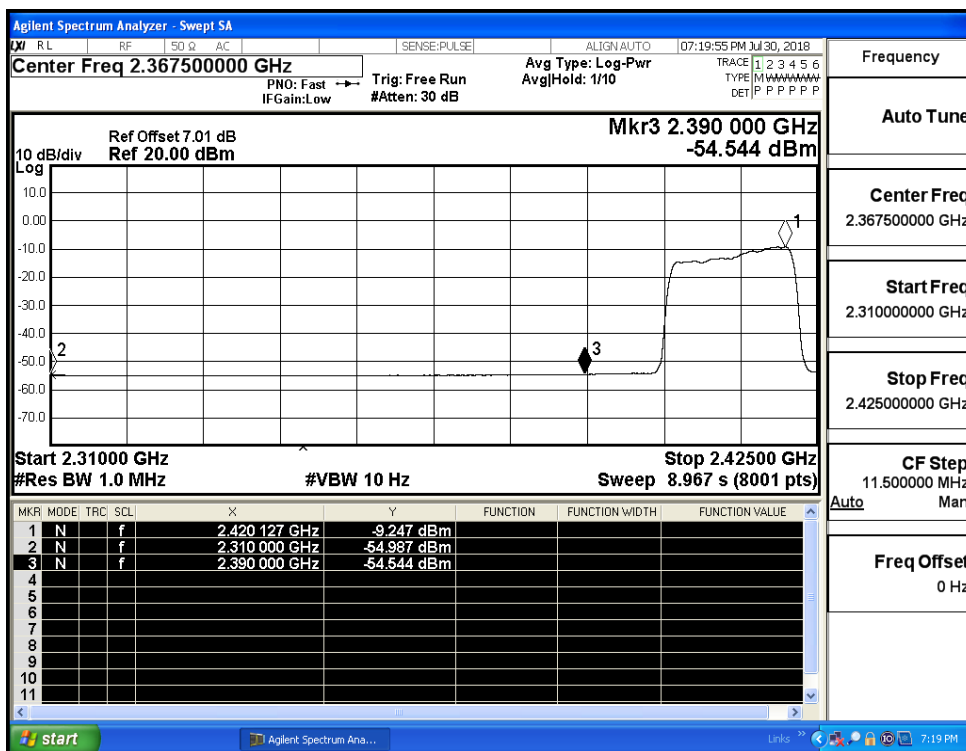
Restrict-band band-edge measurements\_11G\_2462\_Ant1\_AV



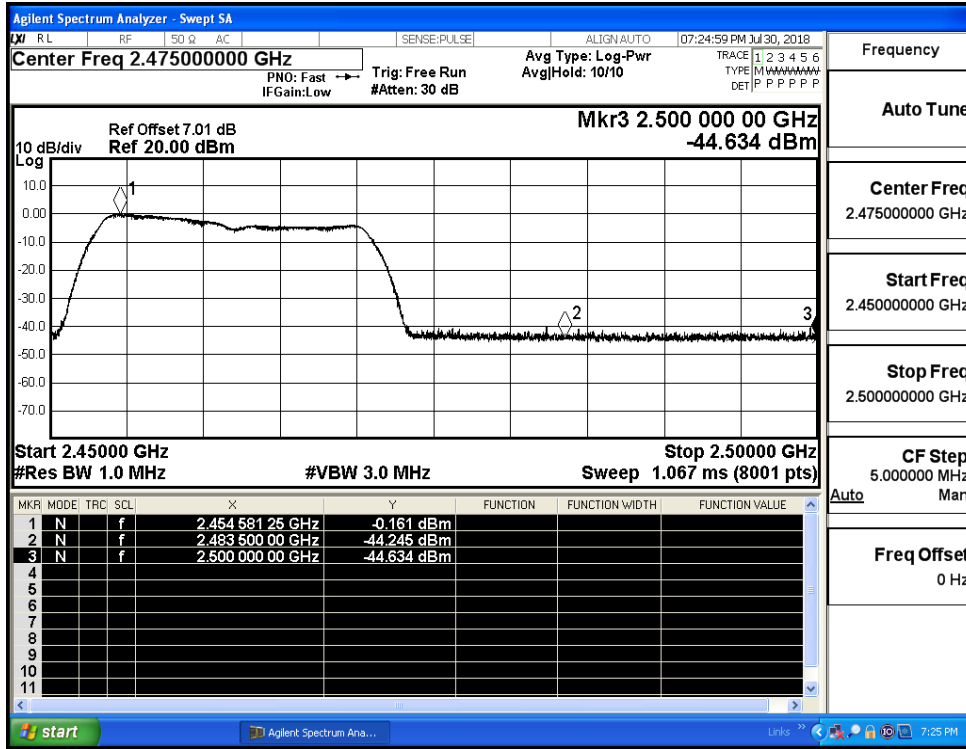
Restrict-band band-edge measurements\_11N20SISO\_2412\_Ant1\_PEAK



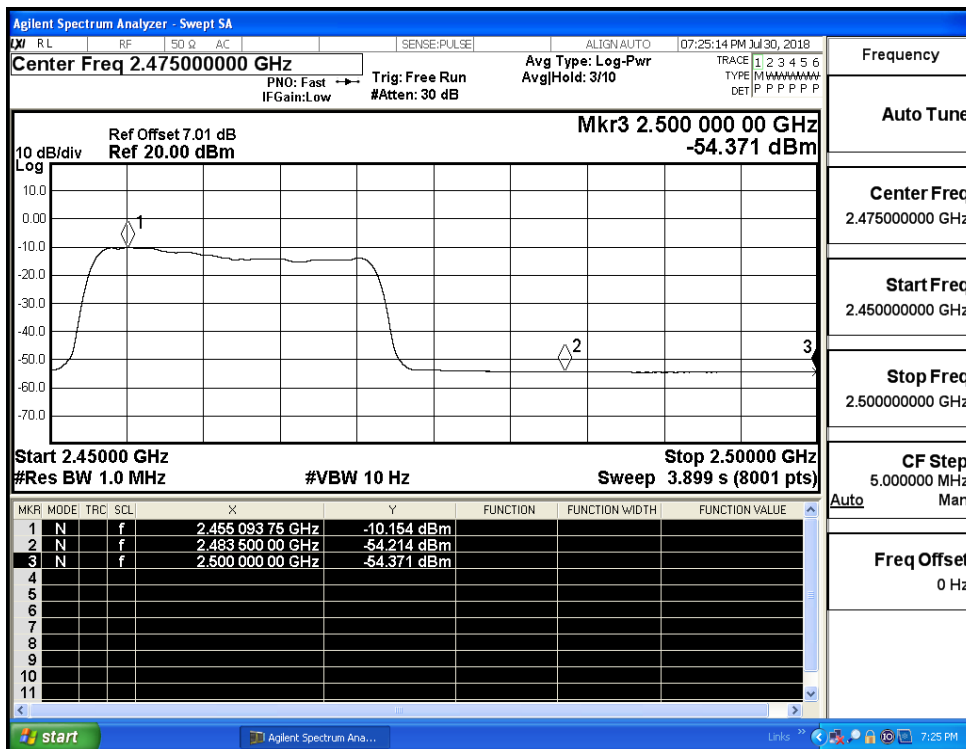
Restrict-band band-edge measurements\_11N20SISO\_2412\_Ant1\_AV



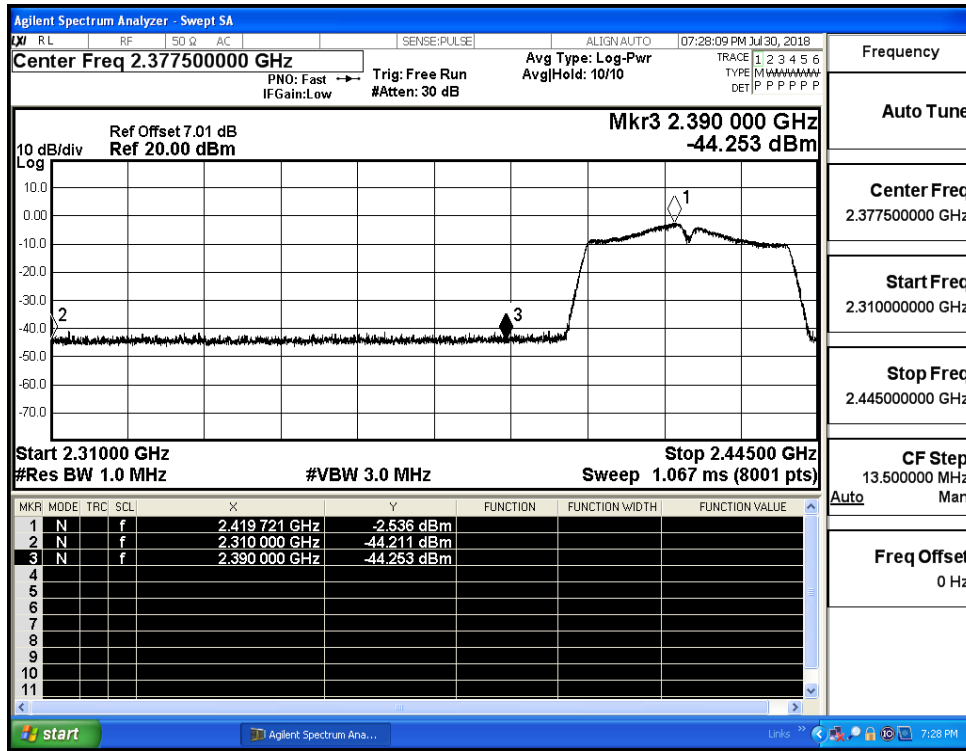
Restrict-band band-edge measurements\_11N20SISO\_2462\_Ant1\_PEAK



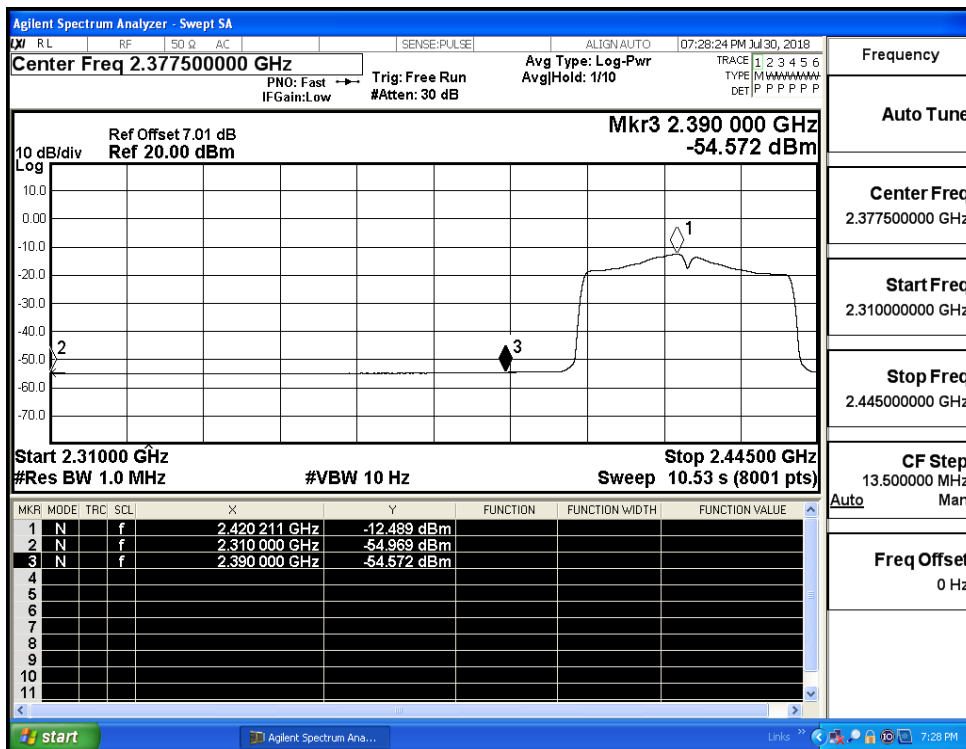
Restrict-band band-edge measurements\_11N20SISO\_2462\_Ant1\_AV



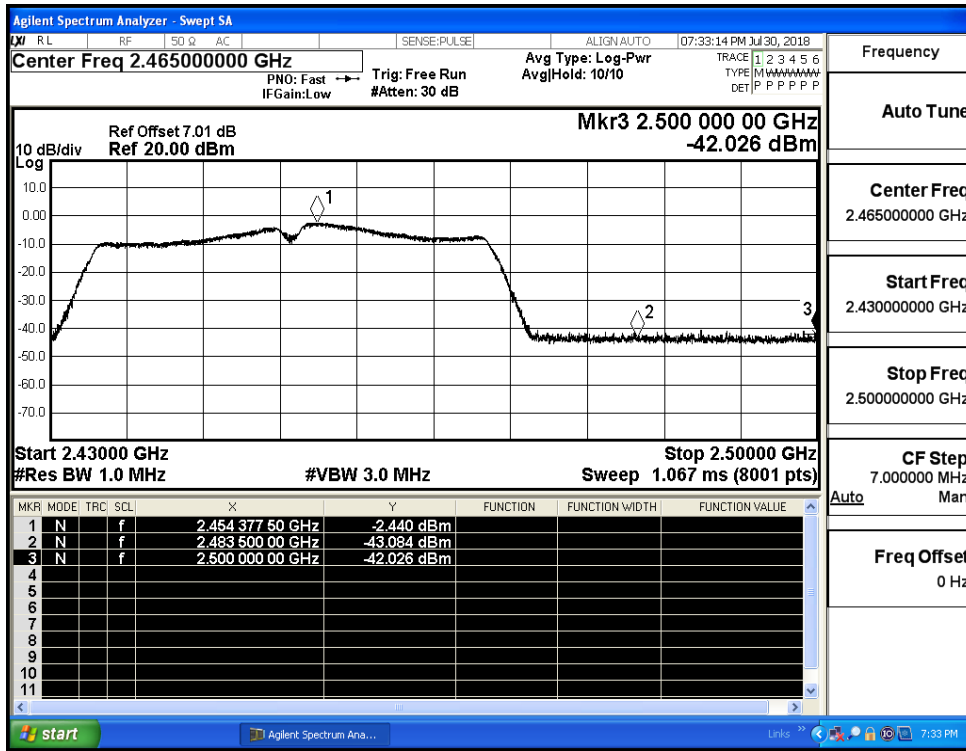
Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_PEAK



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



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



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

