

## Appendix C

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

Product Name: 6-Inch Rugged Windows Handheld tablet

Trade Mark: N/A

Test Model: DP10

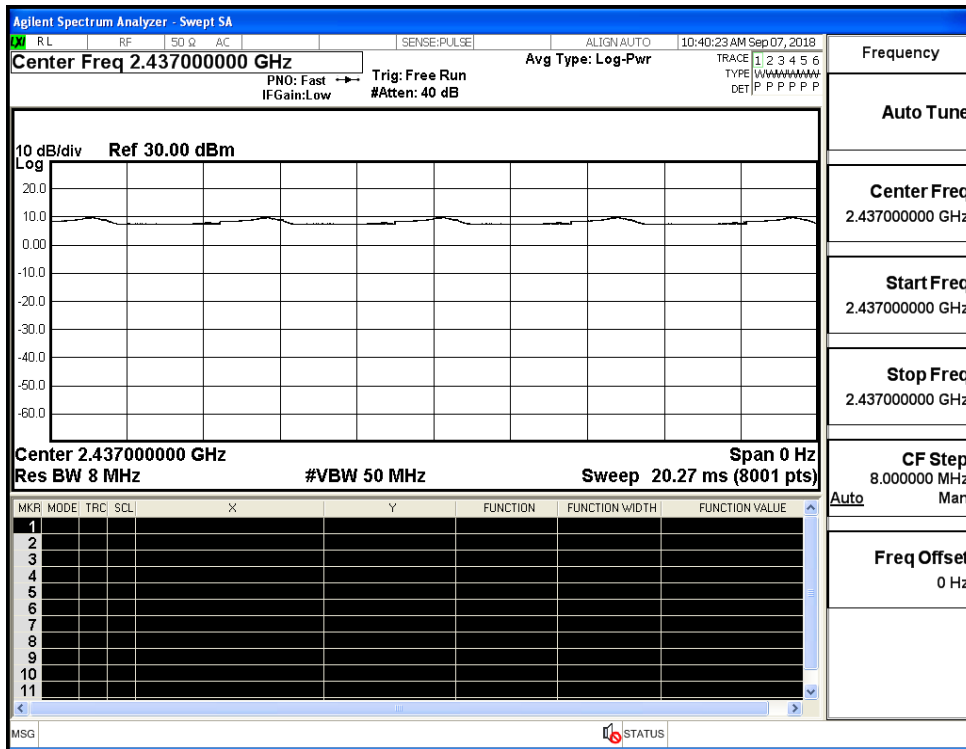
#### Environmental Conditions

Temperature:	24.6 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Jayden.Zhuo

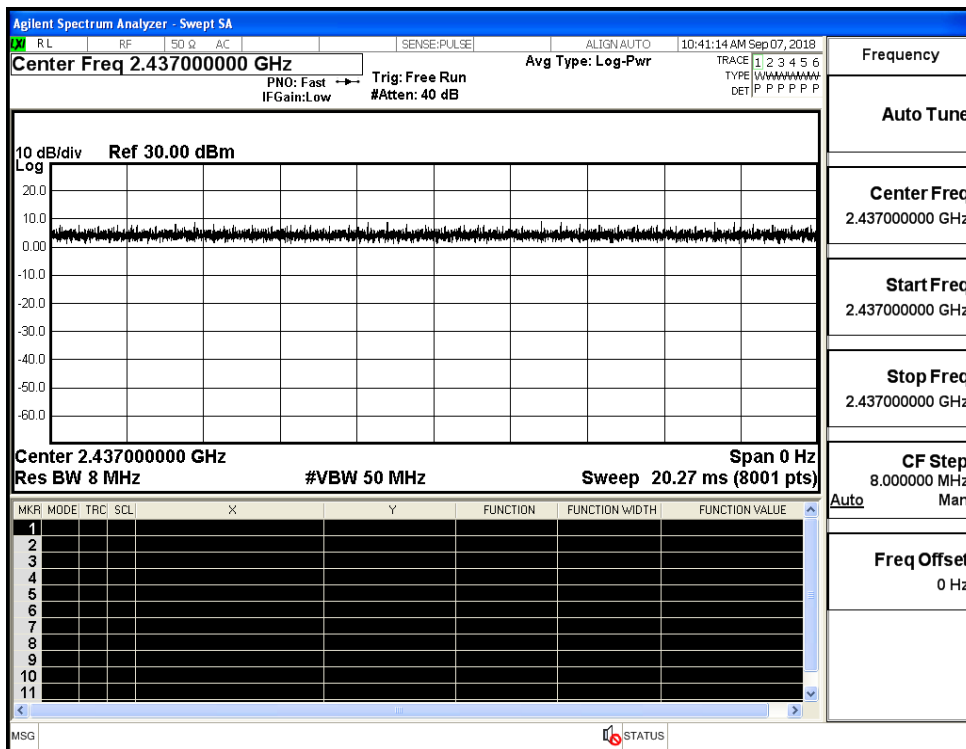
#### C.1 Duty Cycle

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

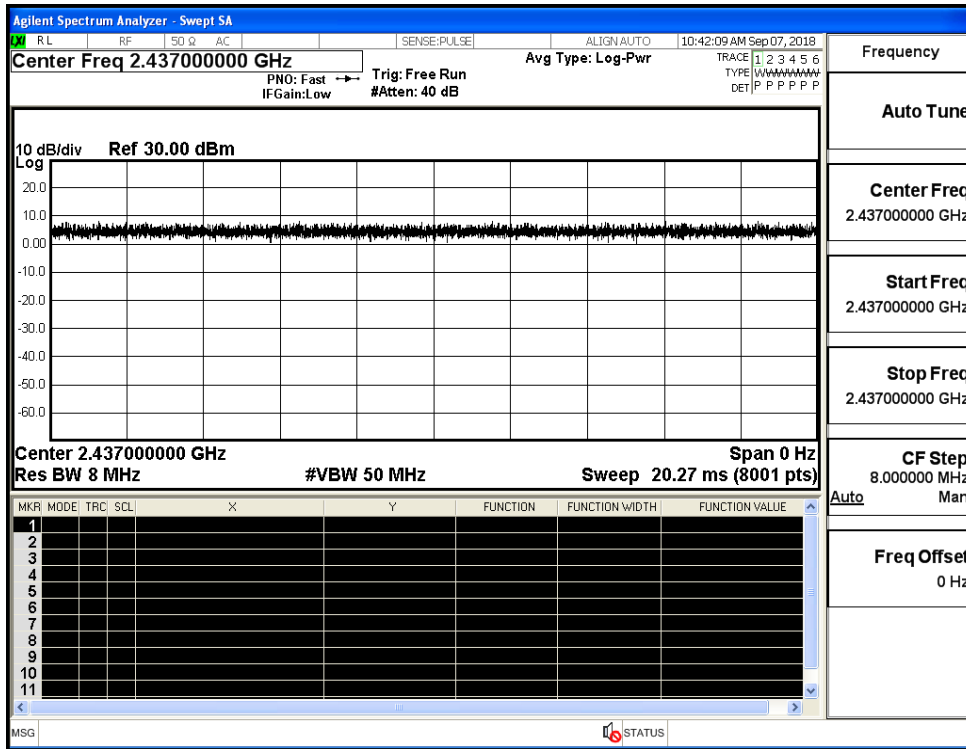
Duty Cycle\_11B\_2437\_Ant1



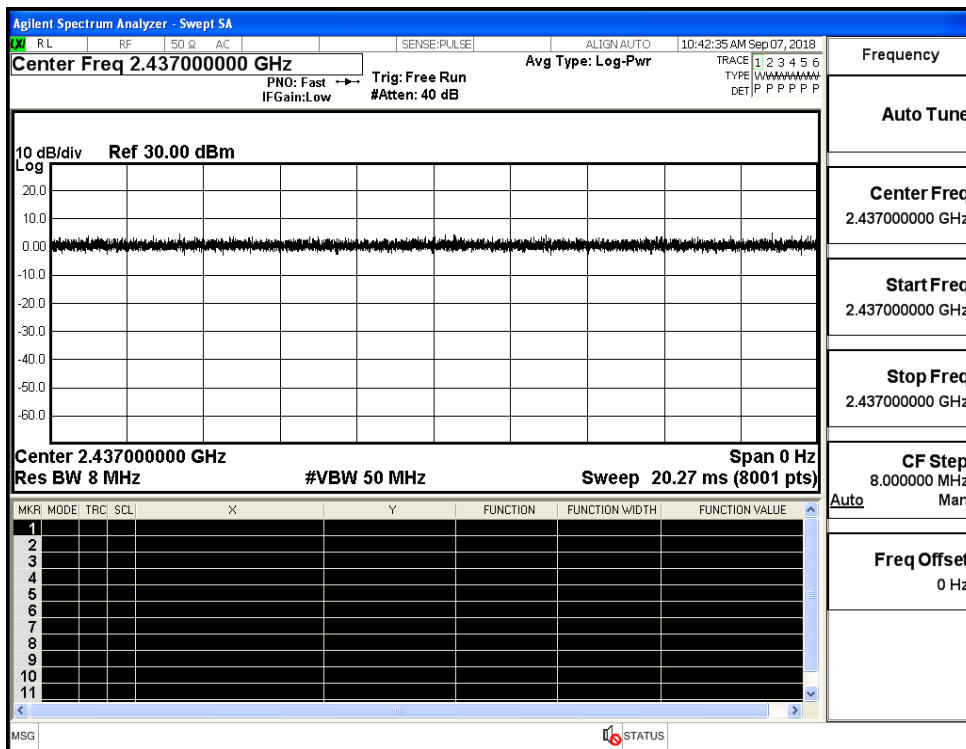
Duty Cycle\_11G\_2437\_Ant1



Duty Cycle\_11N20SISO\_2437\_Ant1



Duty Cycle\_11N40SISO\_2437\_Ant1



**C.2 Maximum Conducted Output Power**

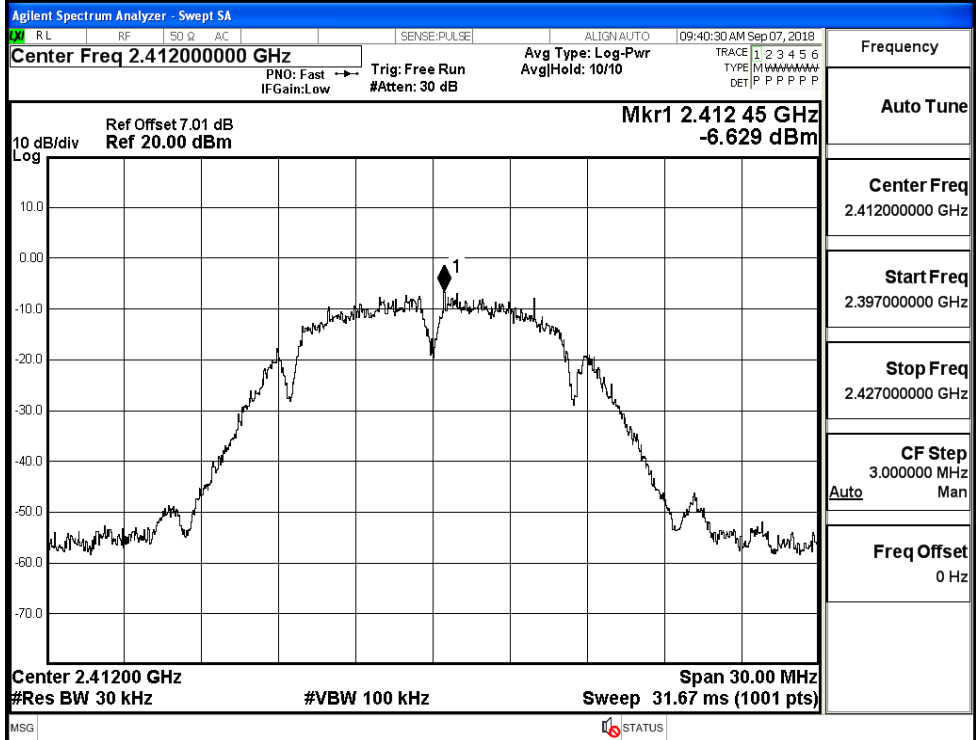
Mode	Channel	Meas.Level Peak [dBm]	Limit [dBm]	Verdict
11B	LCH	11.32	30	PASS
	MCH	11.25	30	PASS
	HCH	11.54	30	PASS
11G	LCH	12.82	30	PASS
	MCH	12.95	30	PASS
	HCH	12.56	30	PASS
11N20SISO	LCH	13.12	30	PASS
	MCH	13.08	30	PASS
	HCH	13.26	30	PASS
11N40SISO	LCH	14.33	30	PASS
	MCH	14.25	30	PASS
	HCH	14.36	30	PASS

### C.3 Maximum Power Spectral Density

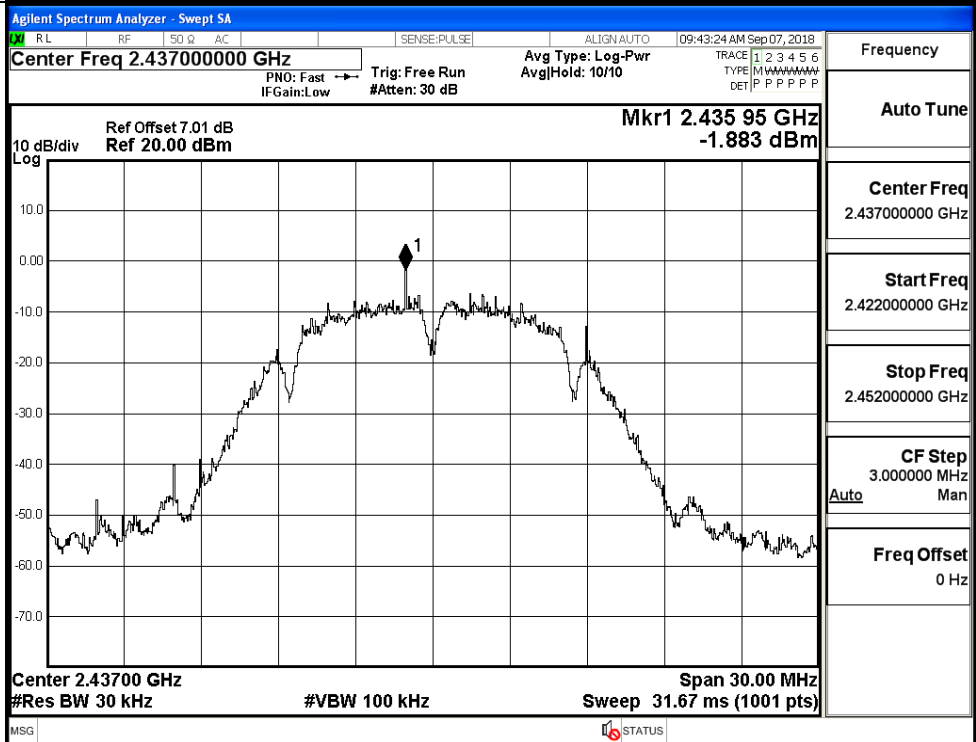
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-6.629	8	PASS
	MCH	-1.883	8	PASS
	HCH	-4.585	8	PASS
11G	LCH	-15.523	8	PASS
	MCH	-15.285	8	PASS
	HCH	-15.371	8	PASS
11N20SISO	LCH	-15.203	8	PASS
	MCH	-15.096	8	PASS
	HCH	-15.189	8	PASS
11N40SISO	LCH	-18.921	8	PASS
	MCH	-18.799	8	PASS
	HCH	-18.904	8	PASS

Test Graphs

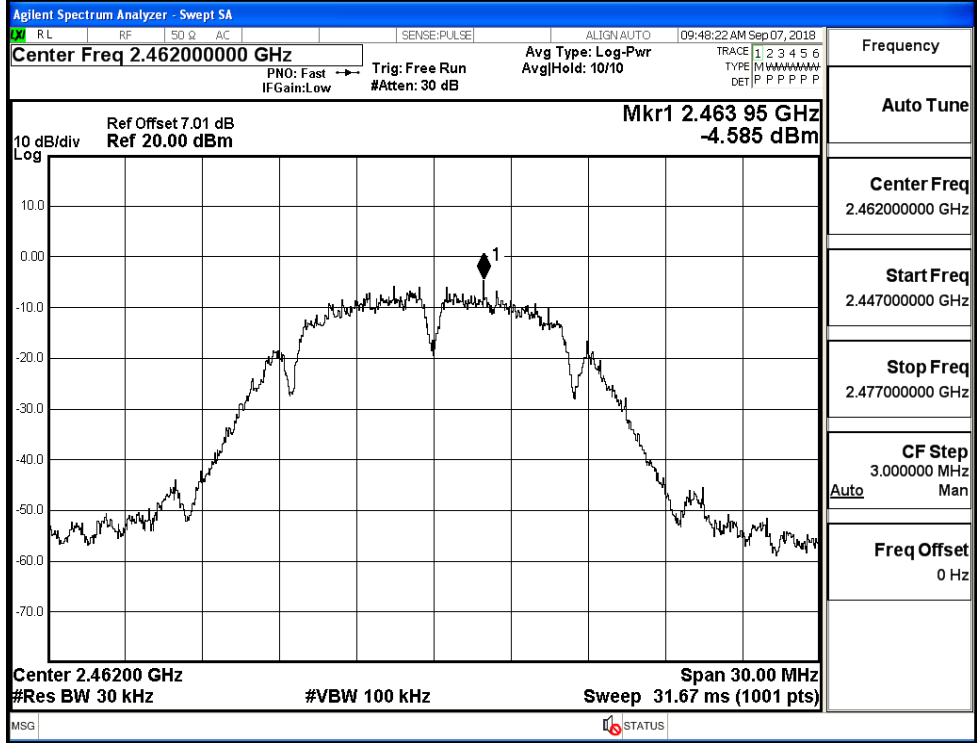
11B/LCH



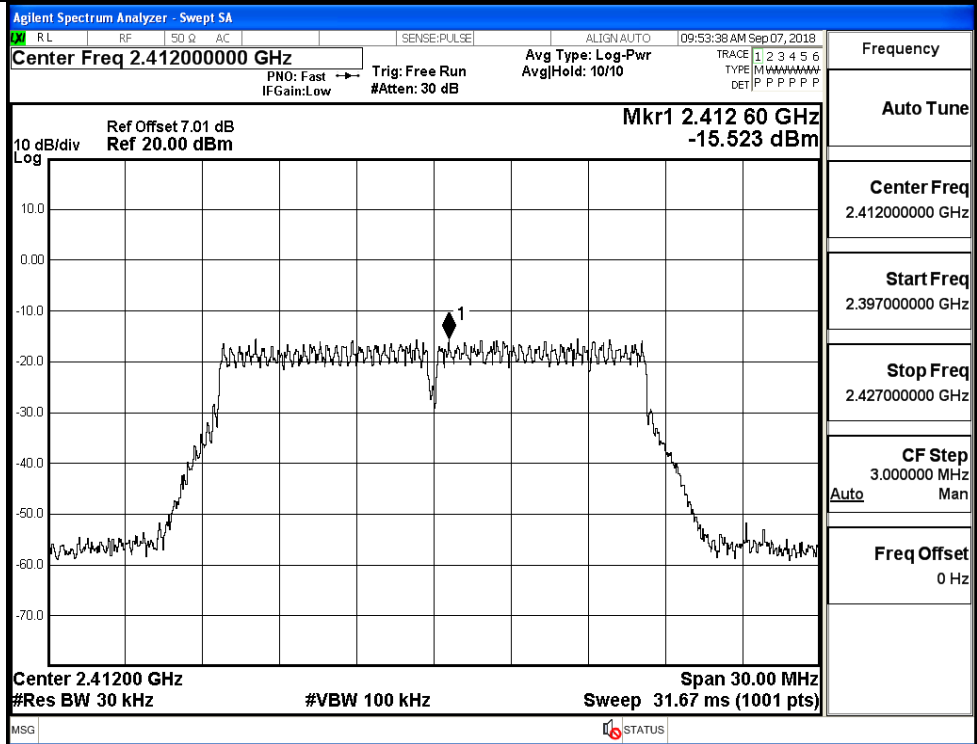
11B/MCH



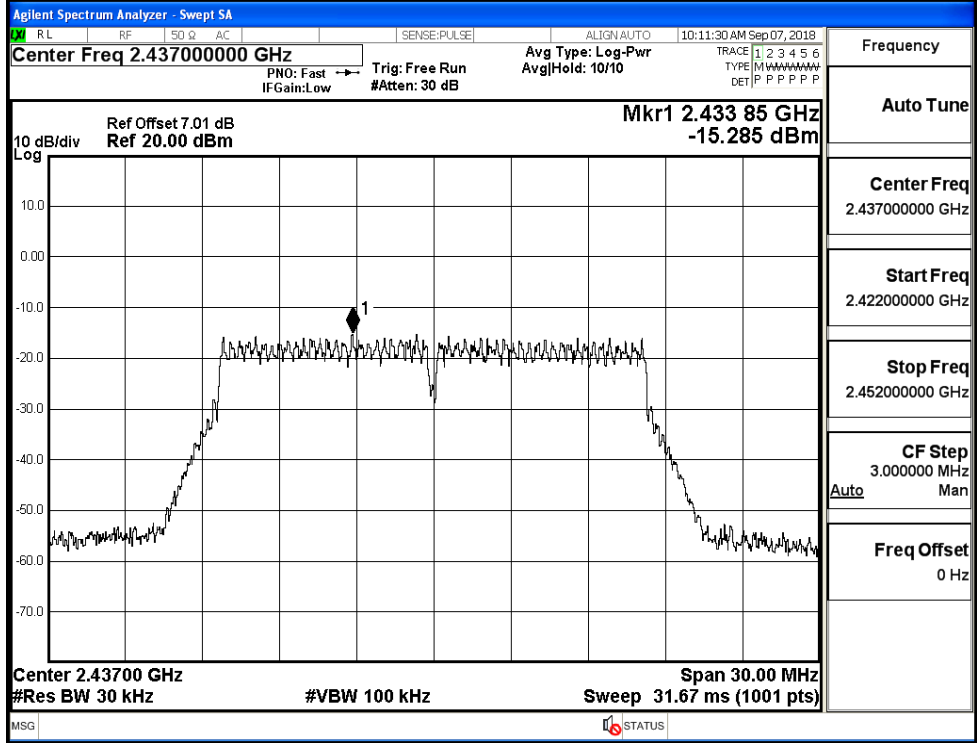
11B/HCH



11G/LCH

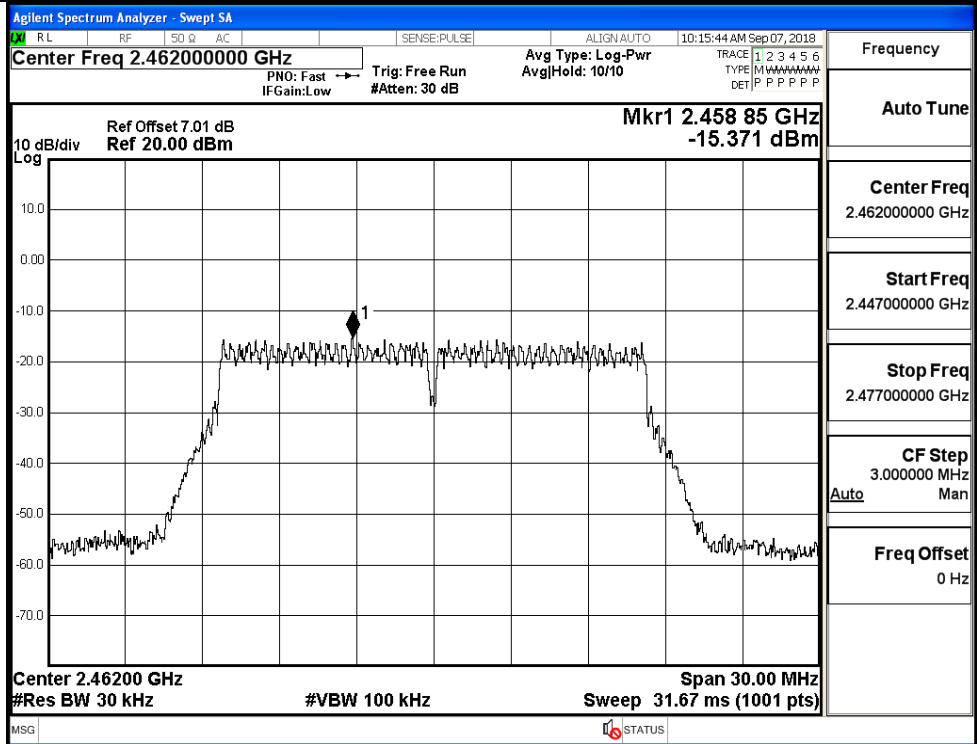


11G/MCH



Frequency
Auto Tune
Center Freq 2.43700000 GHz
Start Freq 2.422000000 GHz
Stop Freq 2.452000000 GHz
CF Step 3.000000 MHz Auto Man
Freq Offset 0 Hz

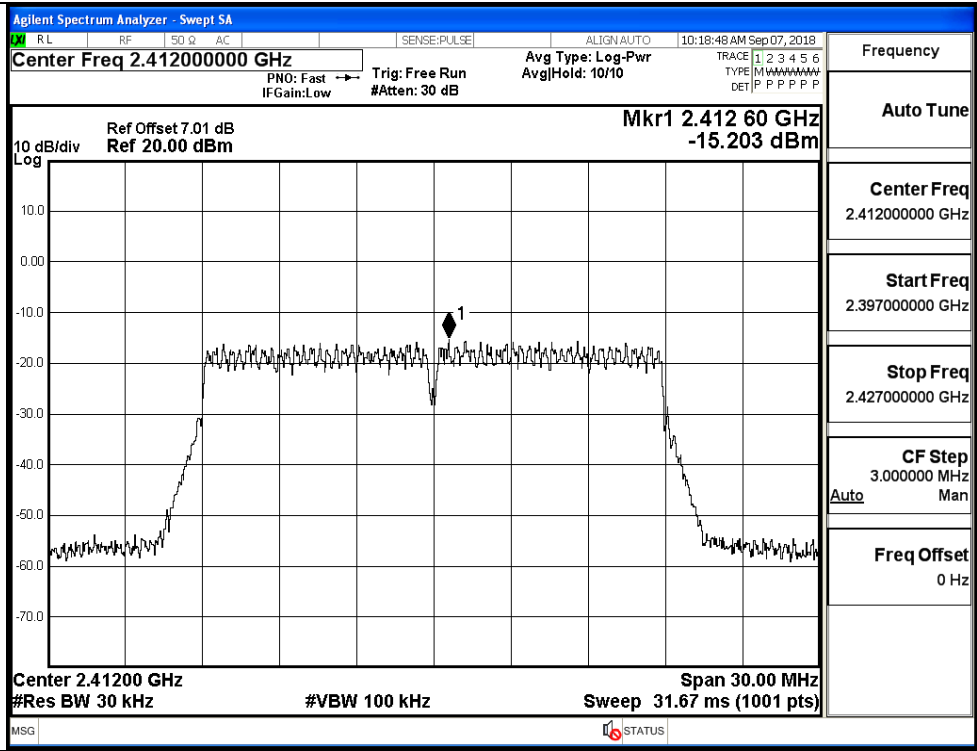
11G/HCH



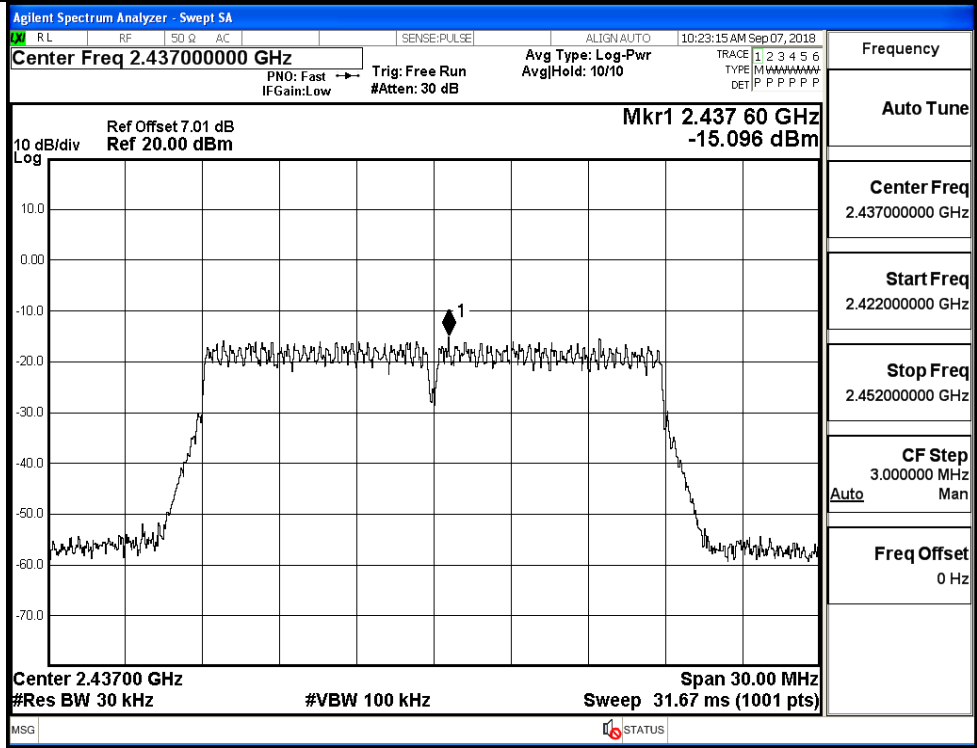
Frequency
Auto Tune
Center Freq 2.46200000 GHz
Start Freq 2.447000000 GHz
Stop Freq 2.477000000 GHz
CF Step 3.000000 MHz Auto Man
Freq Offset 0 Hz



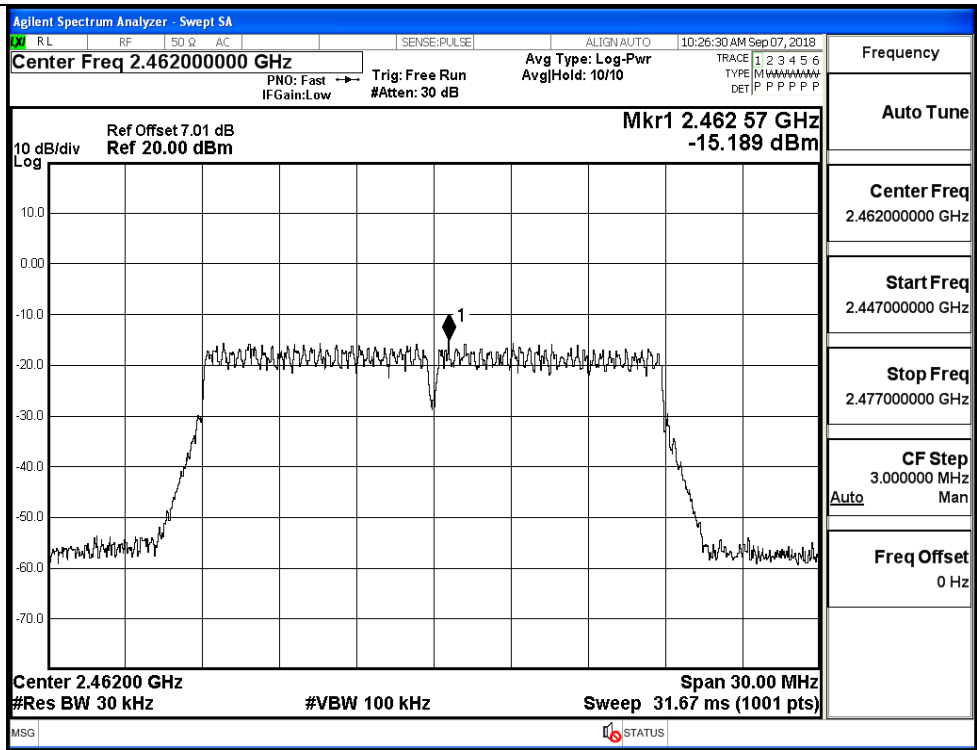
11N20SISO/LCH



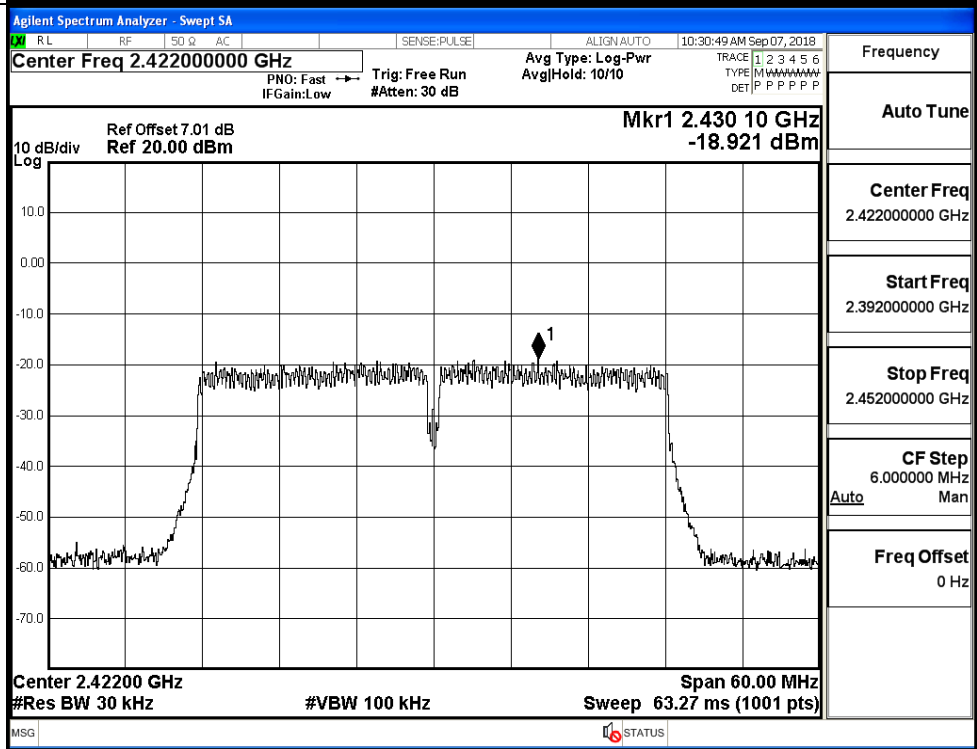
11N20SISO/MCH



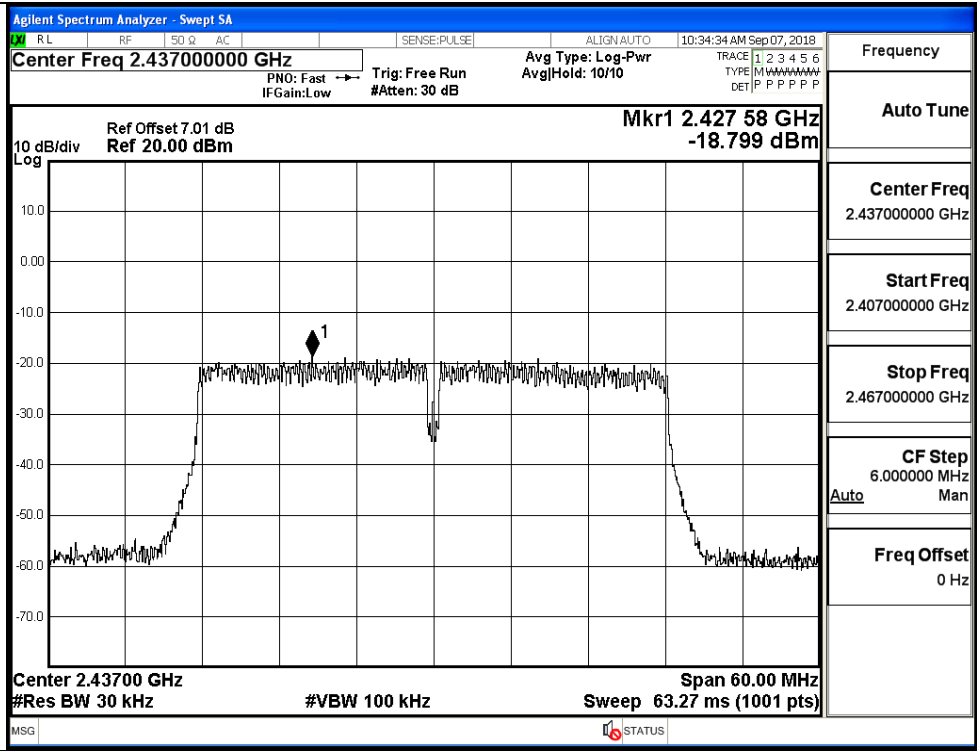
11N20SISO/HCH



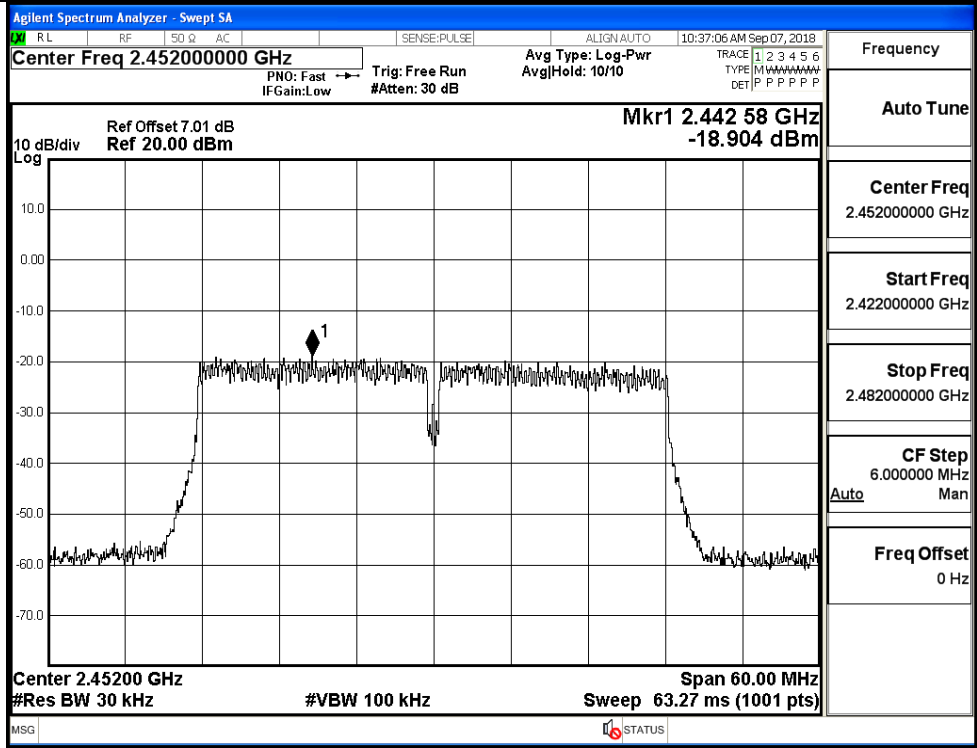
11N40SISO/LCH



11N40SISO/MCH



11N40SISO/HCH

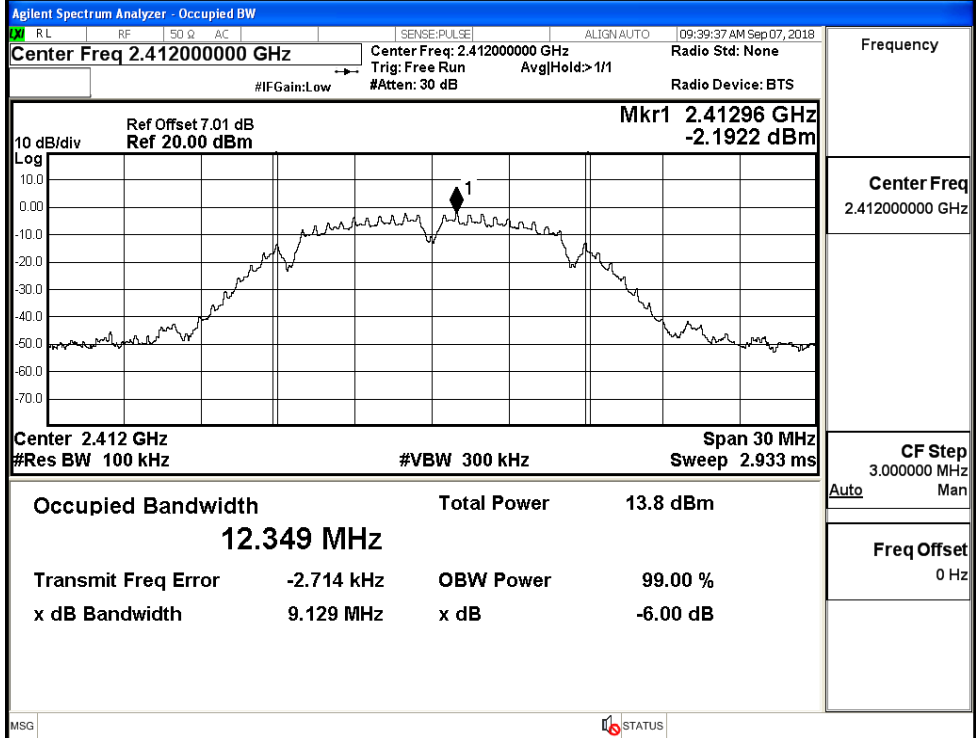


**C.4 6dB Bandwidth**

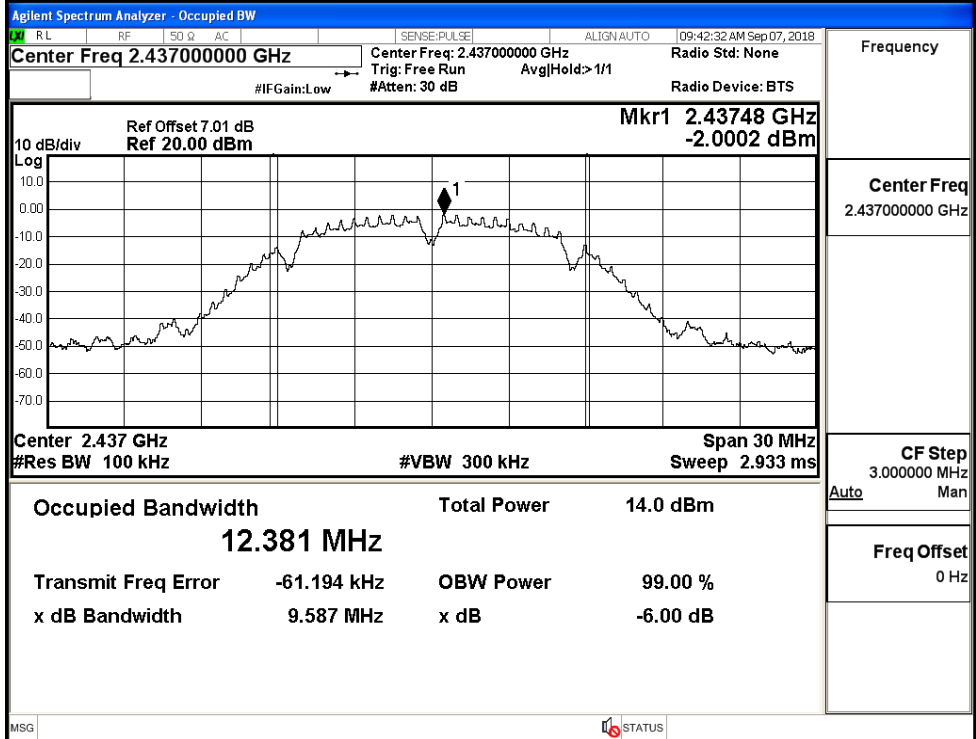
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.129	$\geq 0.5$	PASS
	MCH	9.587	$\geq 0.5$	PASS
	HCH	9.126	$\geq 0.5$	PASS
11G	LCH	16.61	$\geq 0.5$	PASS
	MCH	16.60	$\geq 0.5$	PASS
	HCH	16.60	$\geq 0.5$	PASS
11N20SISO	LCH	17.83	$\geq 0.5$	PASS
	MCH	17.82	$\geq 0.5$	PASS
	HCH	17.82	$\geq 0.5$	PASS
11N40SISO	LCH	36.48	$\geq 0.5$	PASS
	MCH	36.50	$\geq 0.5$	PASS
	HCH	36.52	$\geq 0.5$	PASS

Test Graphs

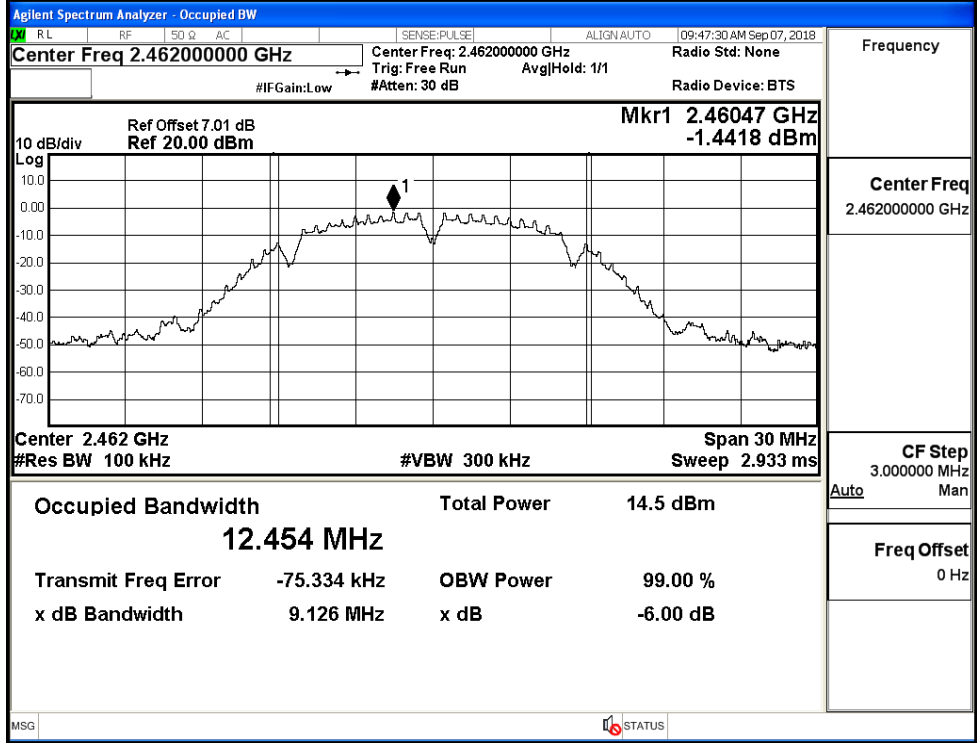
11B/LCH



11B/MCH

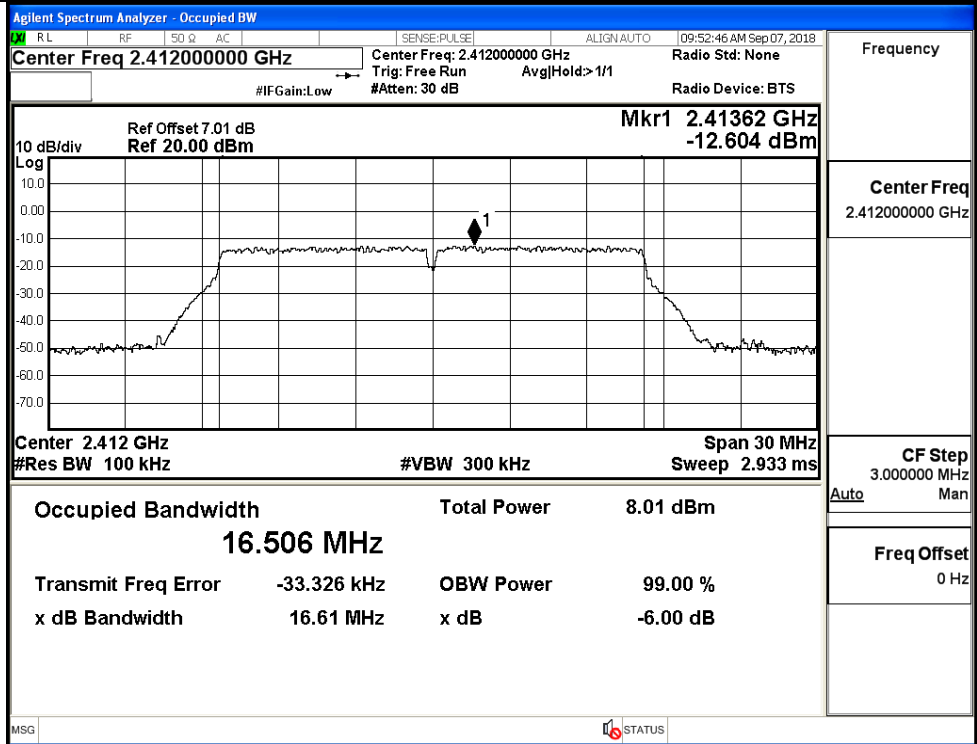


11B/HCH



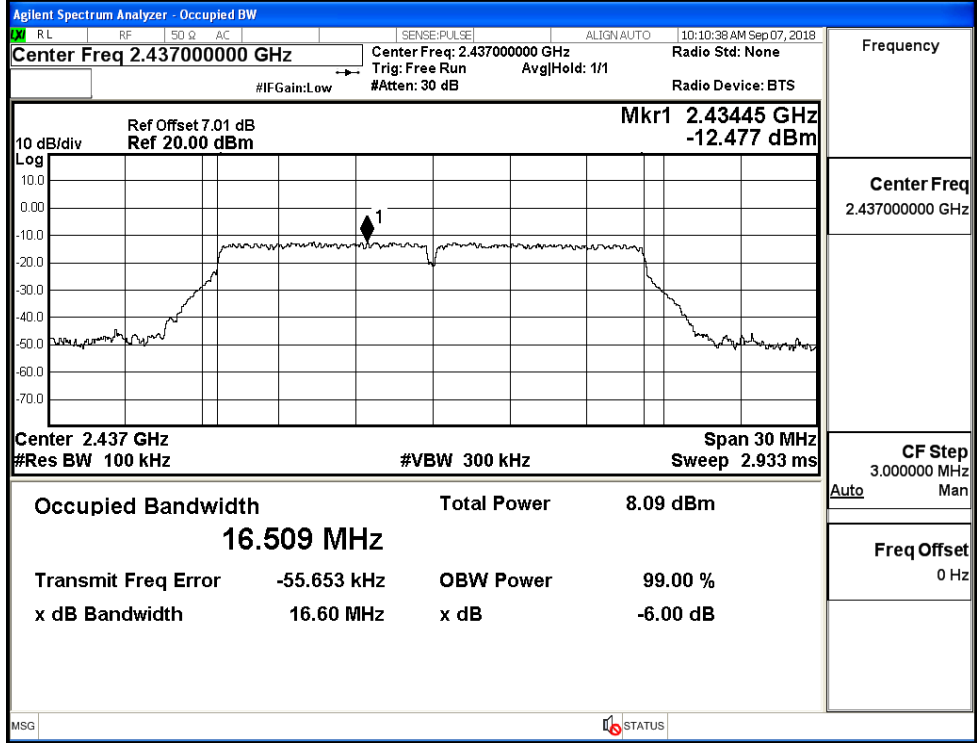
Frequency	2.46200000 GHz
Center Freq	2.46200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11G/LCH

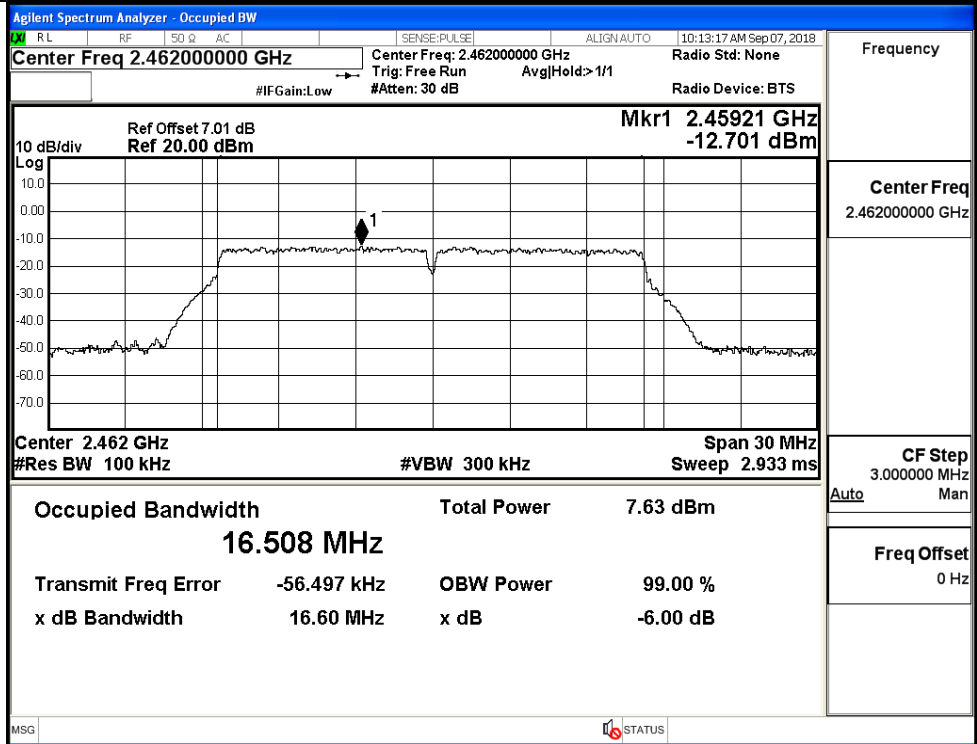


Frequency	2.41200000 GHz
Center Freq	2.41200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

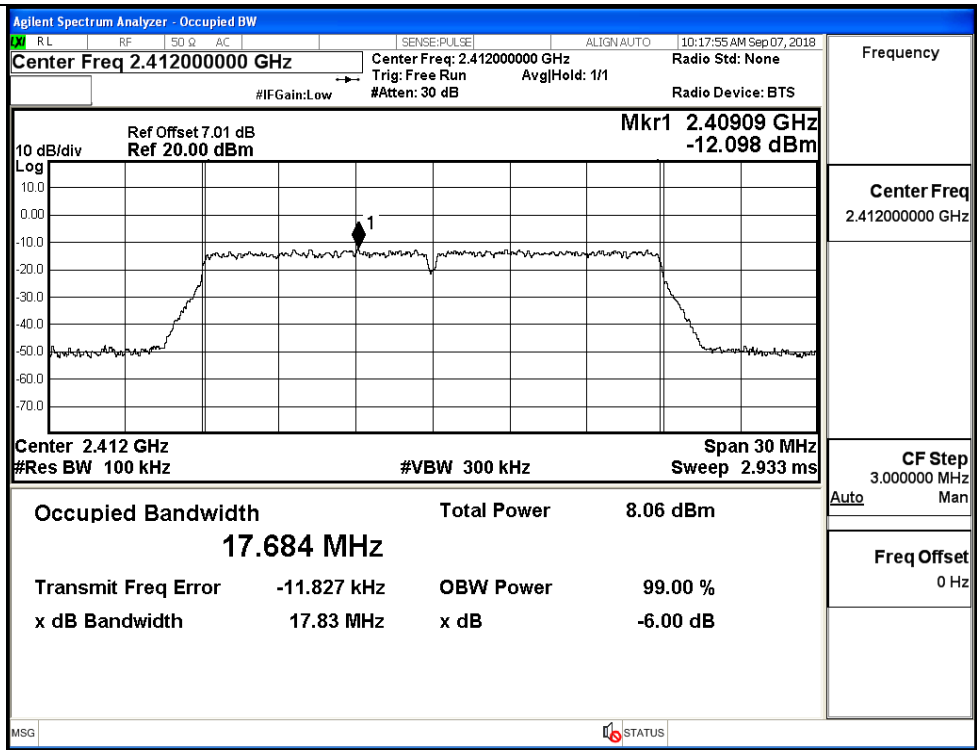
11G/MCH



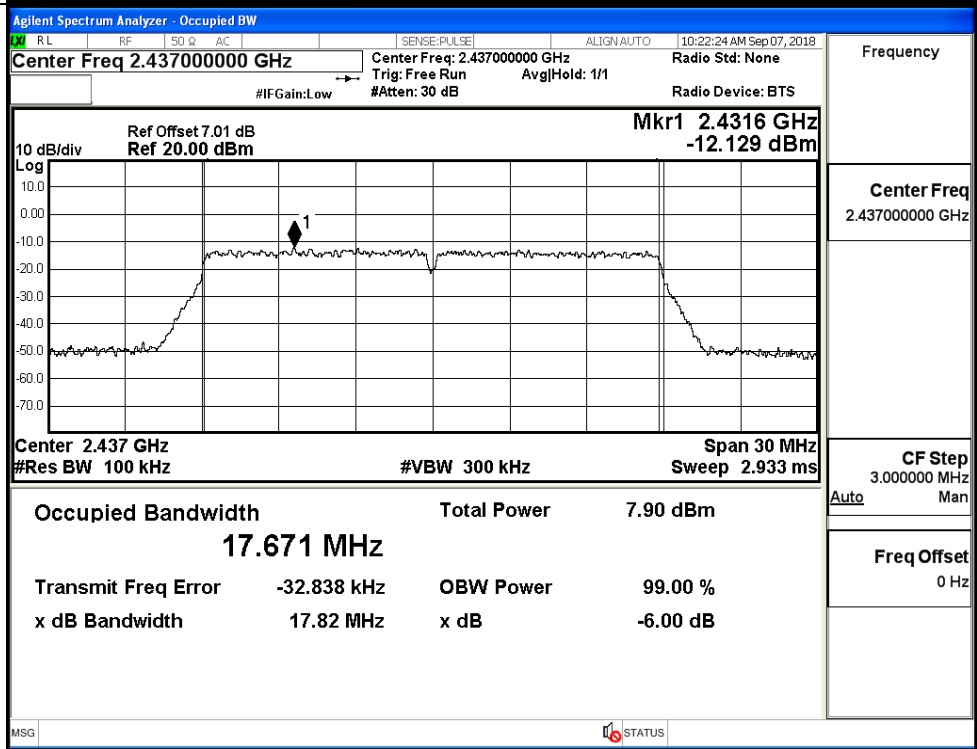
11G/HCH



11N20SISO/LCH

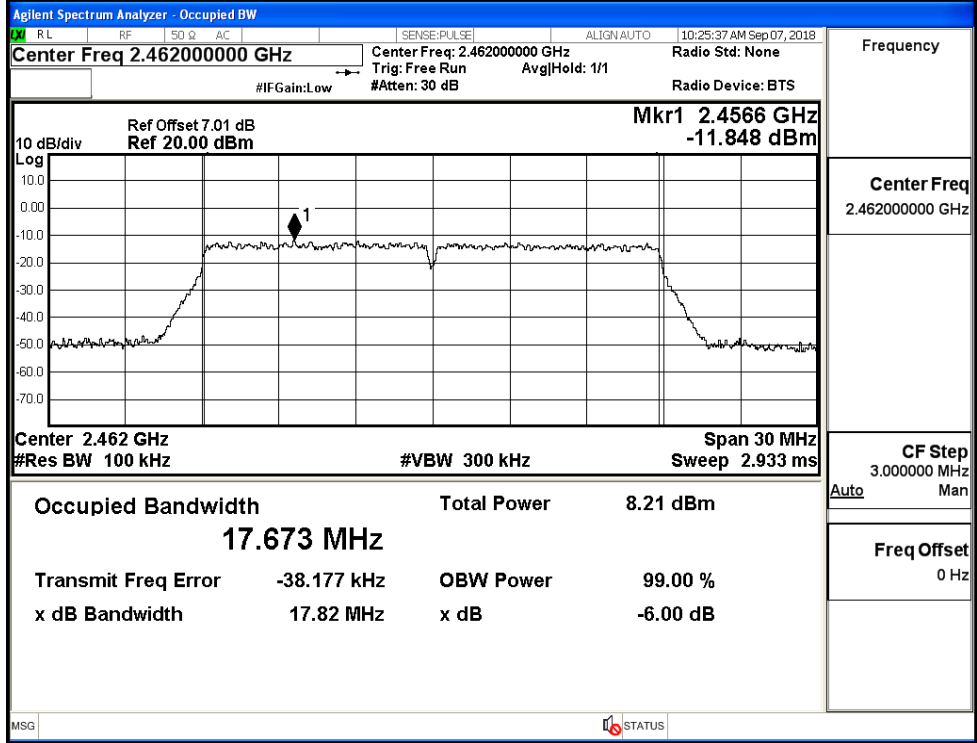


11N20SISO/MCH



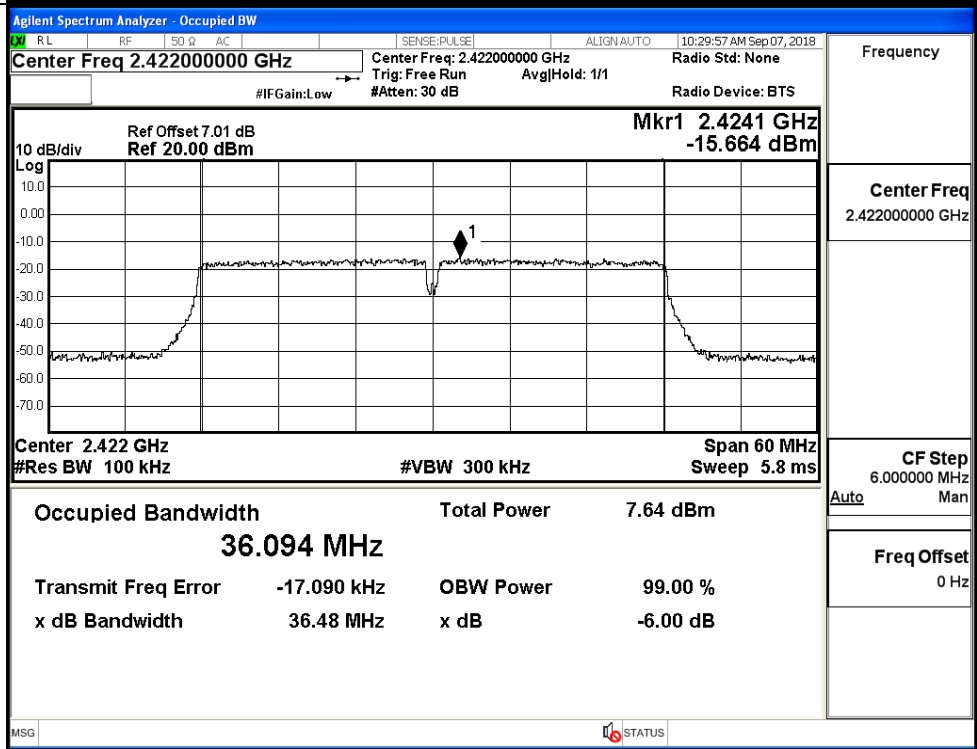


11N20SISO/HCH



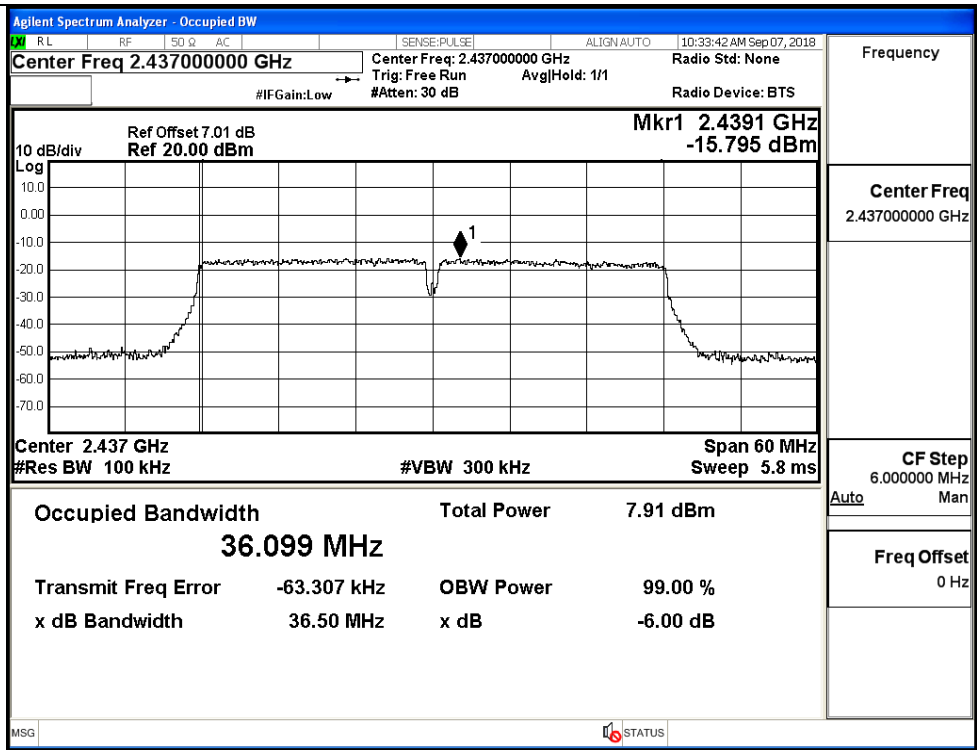
Frequency	2.46200000 GHz
Center Freq	2.46200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N40SISO/LCH

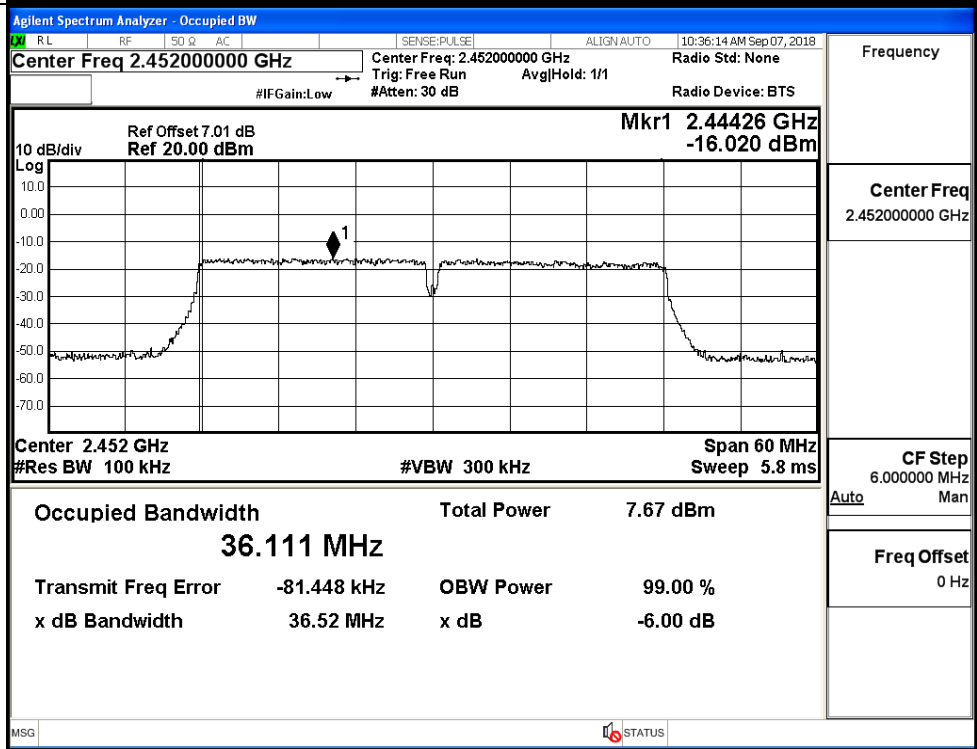


Frequency	2.42200000 GHz
Center Freq	2.42200000 GHz
CF Step	6.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N40SISO/MCH



11N40SISO/HCH

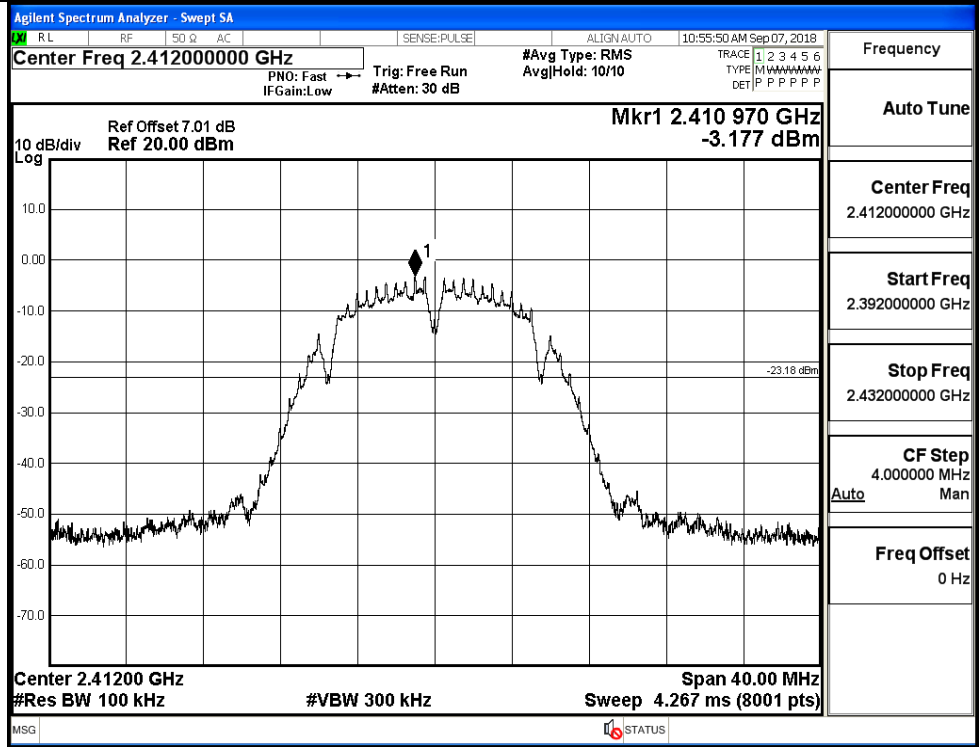


**C.5 RF Conducted Spurious Emissions**

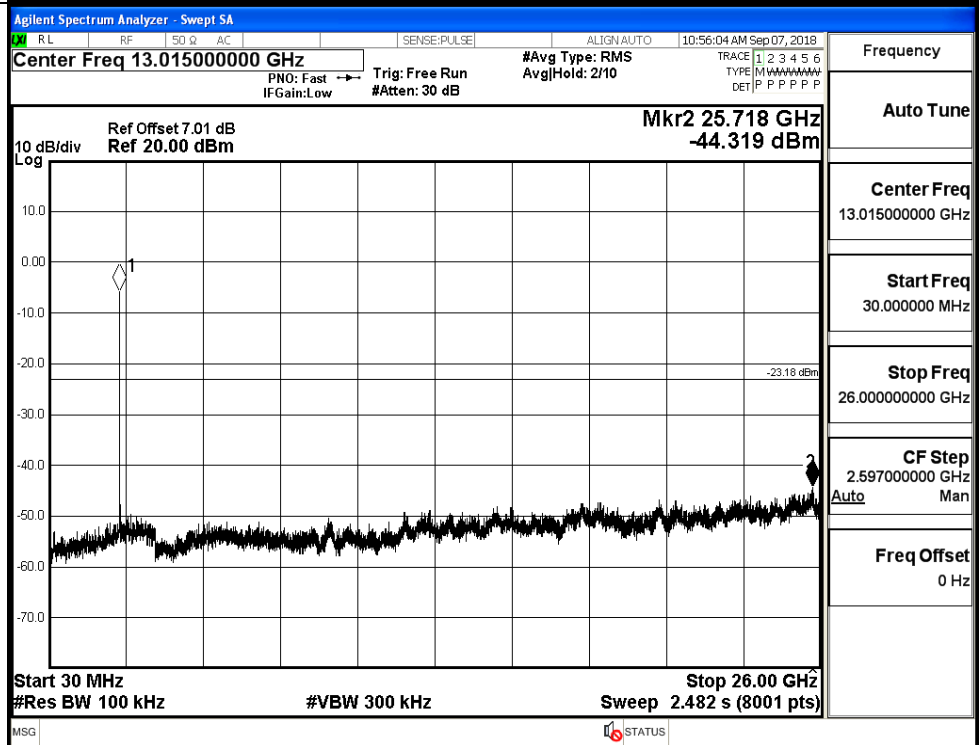
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-3.177	-44.319	-23.177	PASS
	MCH	-1.872	-44.219	-21.872	PASS
	HCH	-1.569	-44.696	-21.569	PASS
11G	LCH	-12.711	-44.402	-32.711	PASS
	MCH	-12.508	-44.769	-32.508	PASS
	HCH	-12.522	-45.055	-32.522	PASS
11N20 SISO	LCH	-12.186	-45.402	-32.186	PASS
	MCH	-12.135	-44.308	-32.135	PASS
	HCH	-12.154	-44.646	-32.154	PASS
11N40 SISO	LCH	-15.798	-44.718	-35.798	PASS
	MCH	-15.777	-44.515	-35.777	PASS
	HCH	-16.321	-44.709	-36.321	PASS

11B\_LCH\_Graphs

Pref/11B/LCH

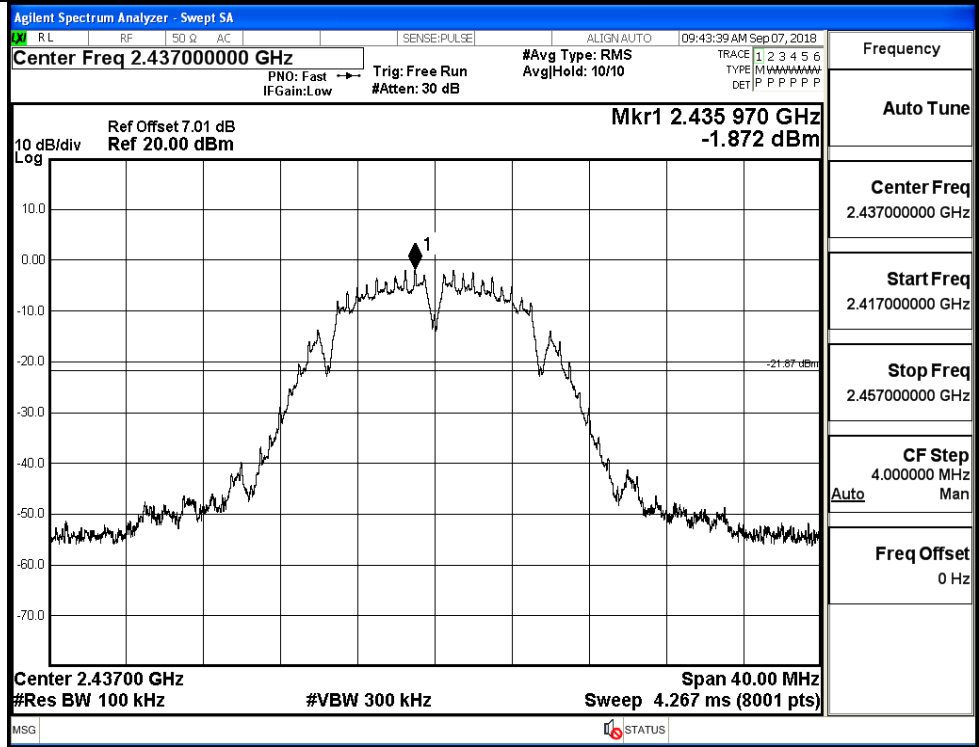


Puw/11B/LCH

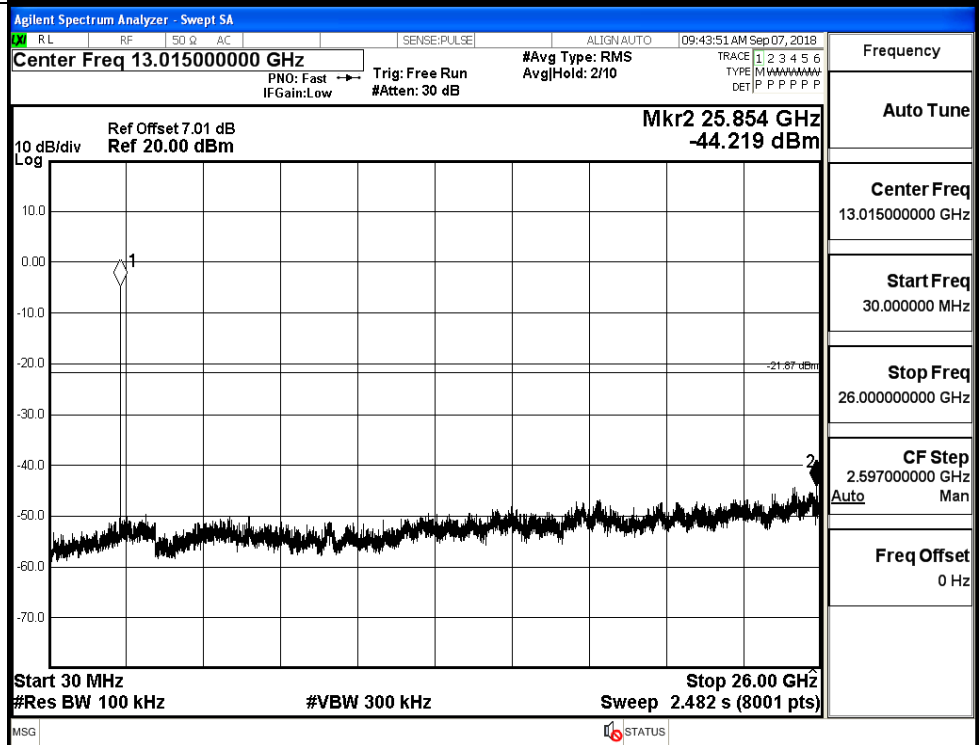


11B\_MCH\_Graphs

Pref/11B/MCH

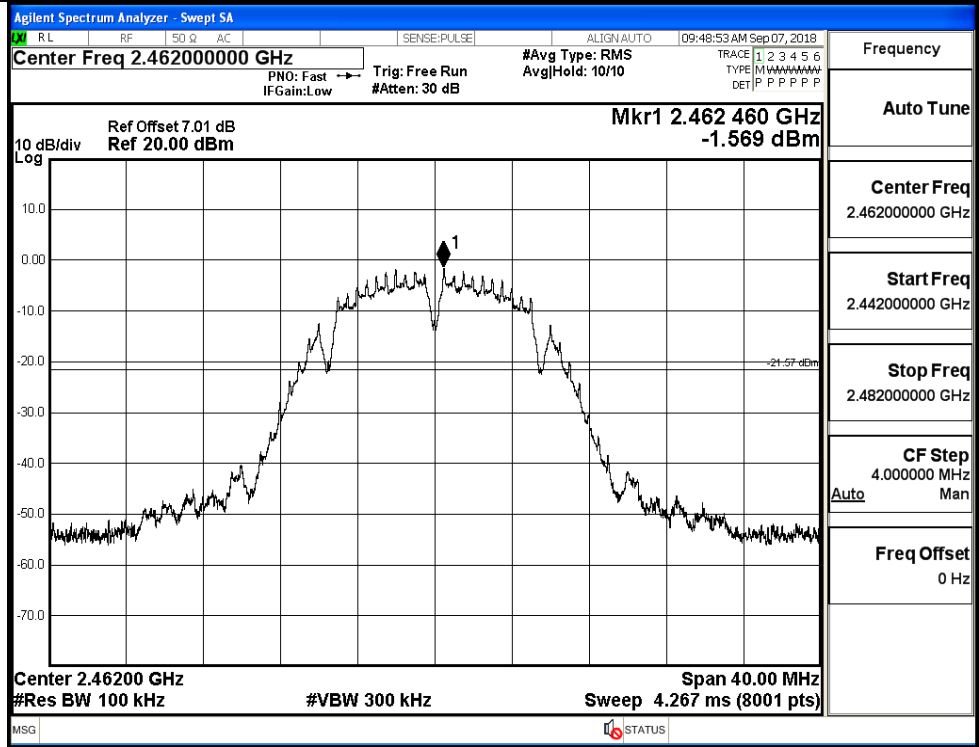


Puw/11B/MCH

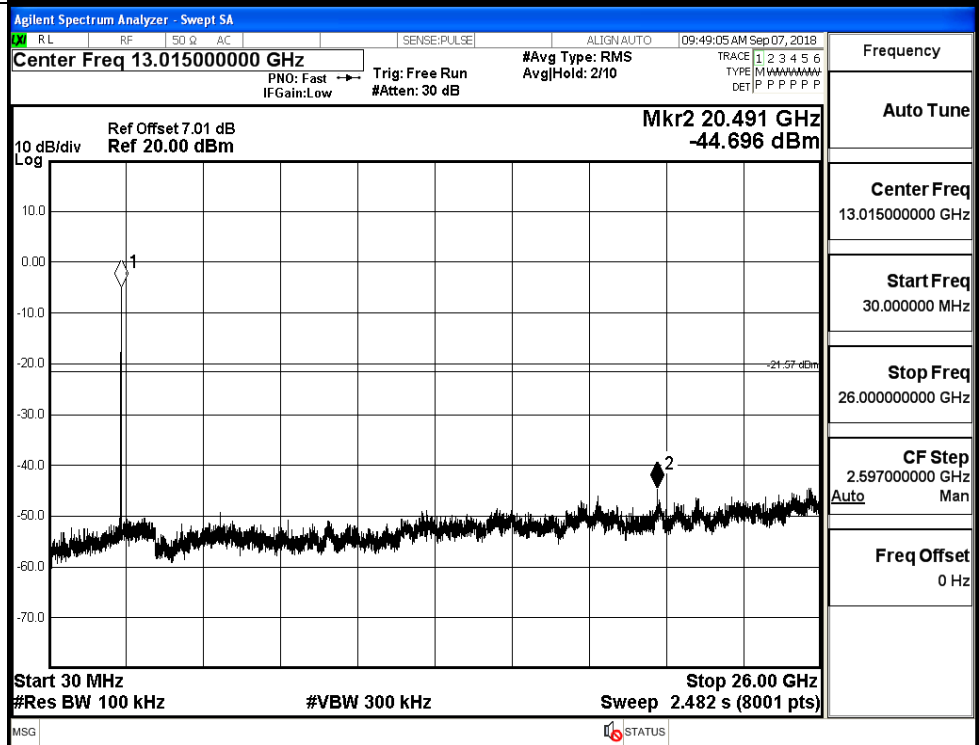


11B\_HCH\_Graphs

Pref/11B/HCH

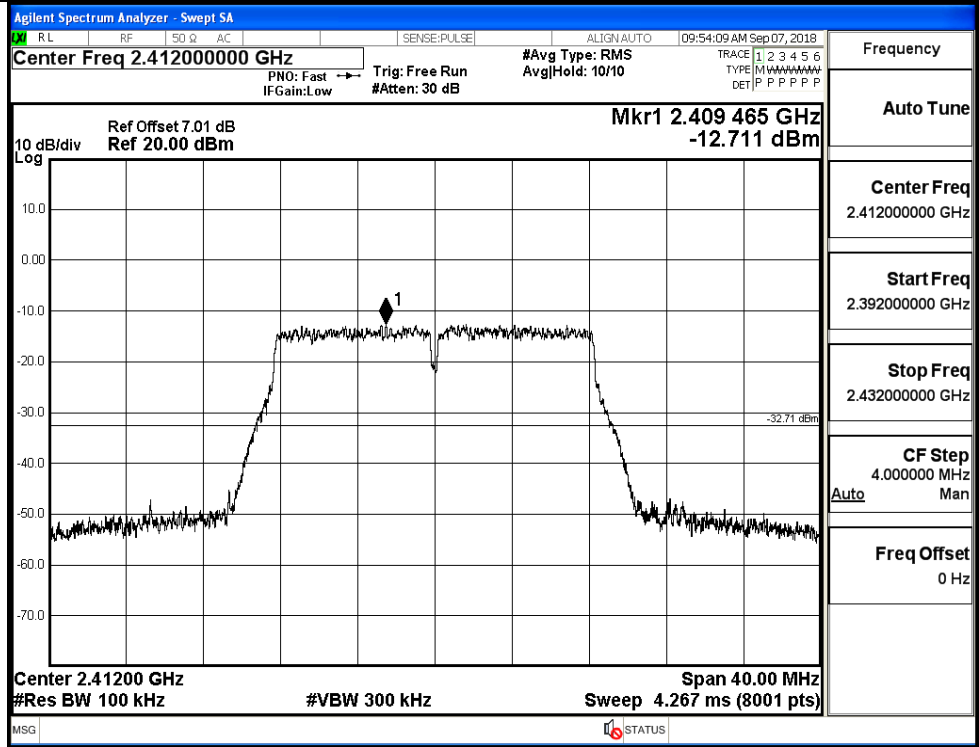


Puw/11B/HCH

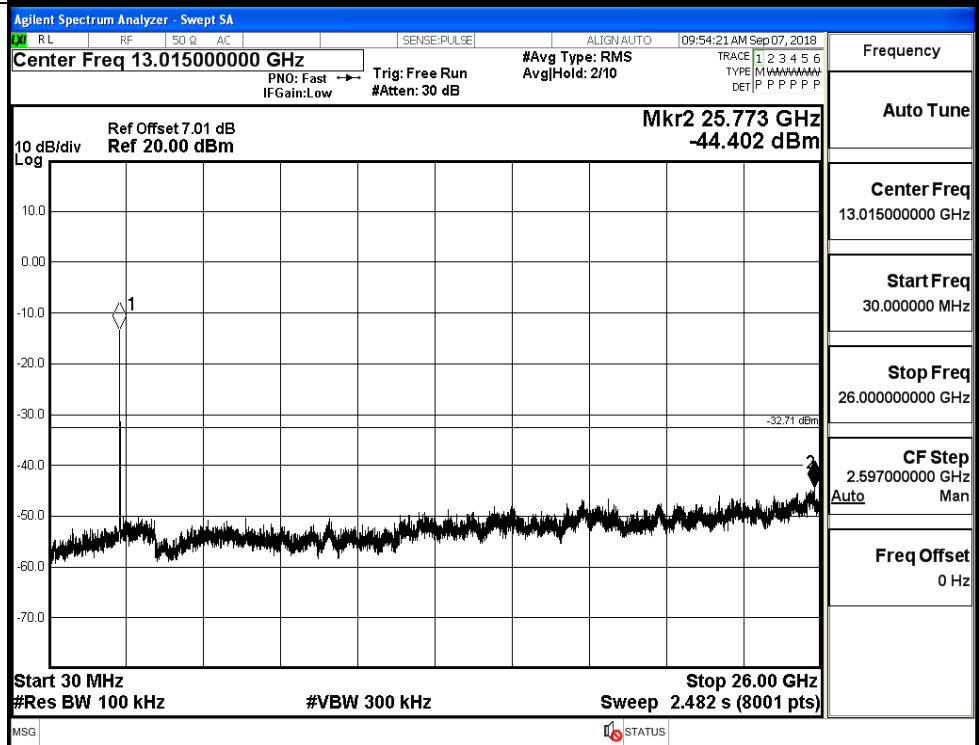


11G\_LCH\_Graphs

Pref/11G/LCH

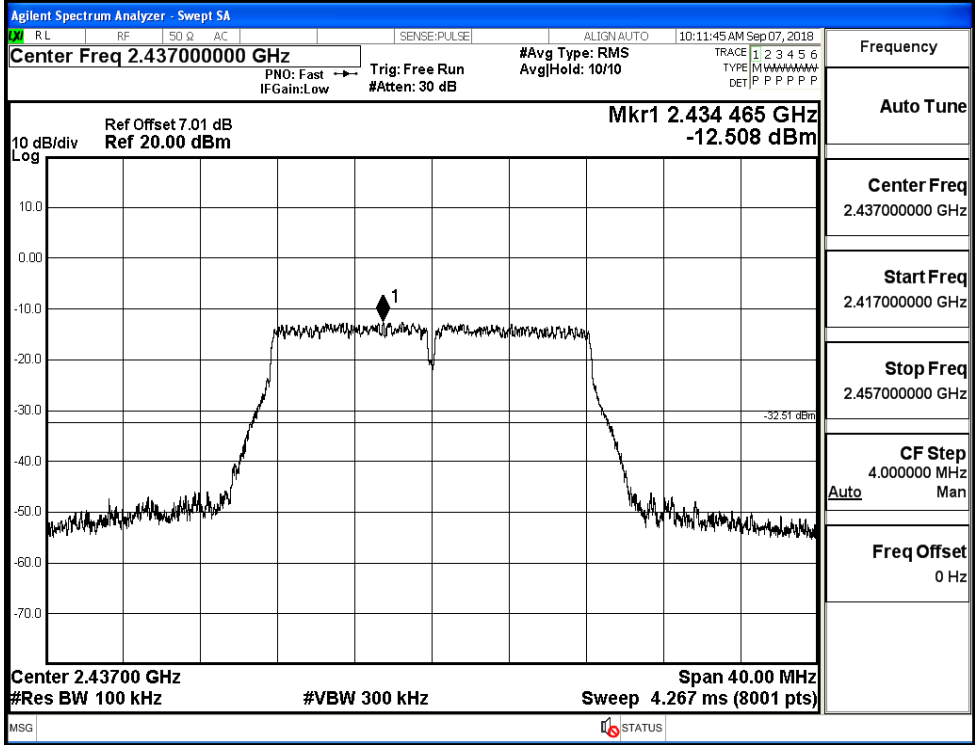


Puw/11G/LCH

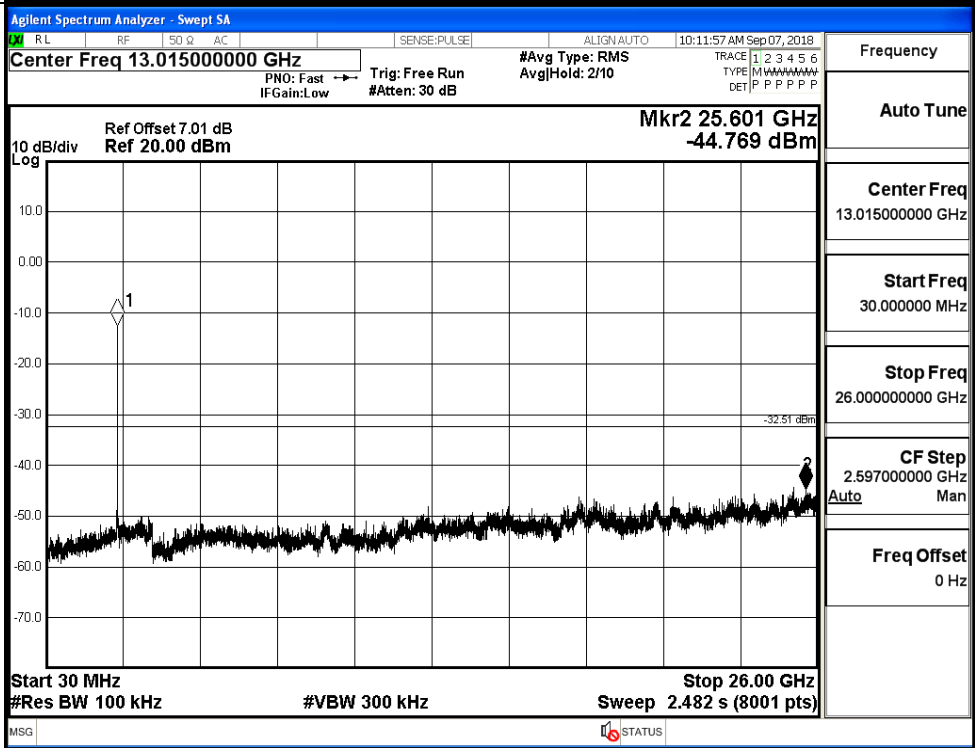


11G\_MCH\_Graphs

Pref/11G/MCH



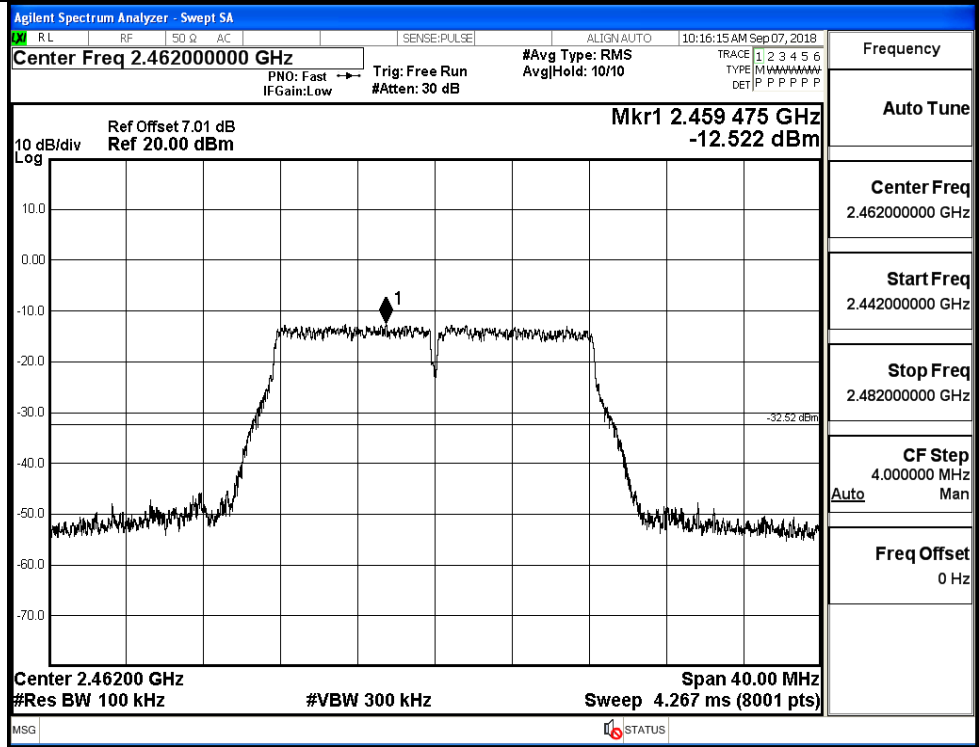
Puw/11G/MCH



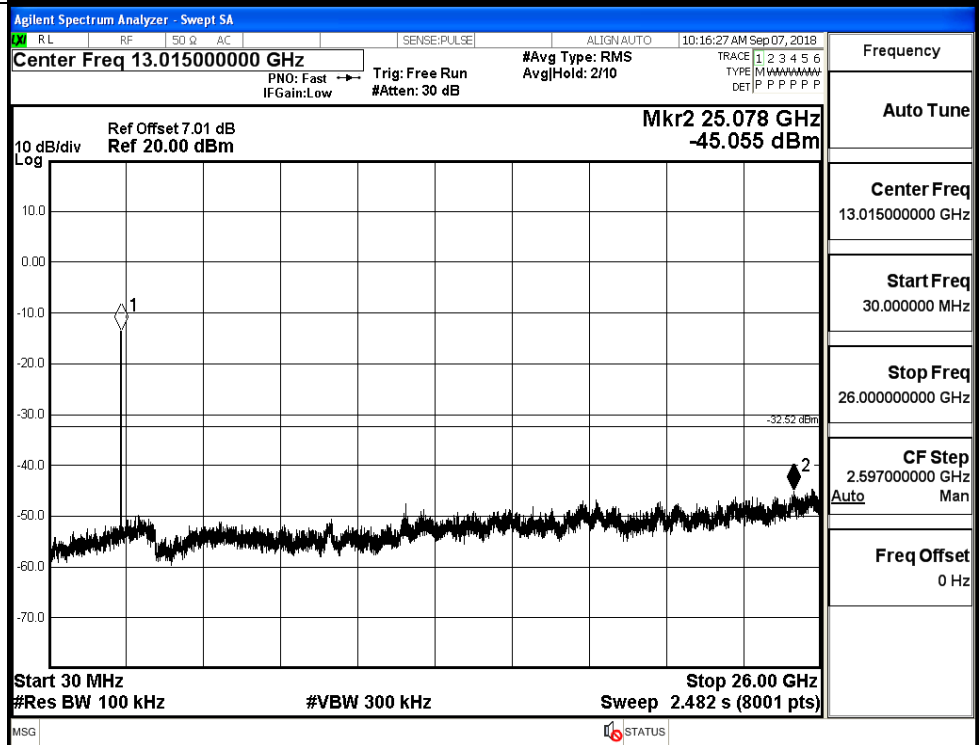


11G\_HCH\_Graphs

Pref/11G/HCH

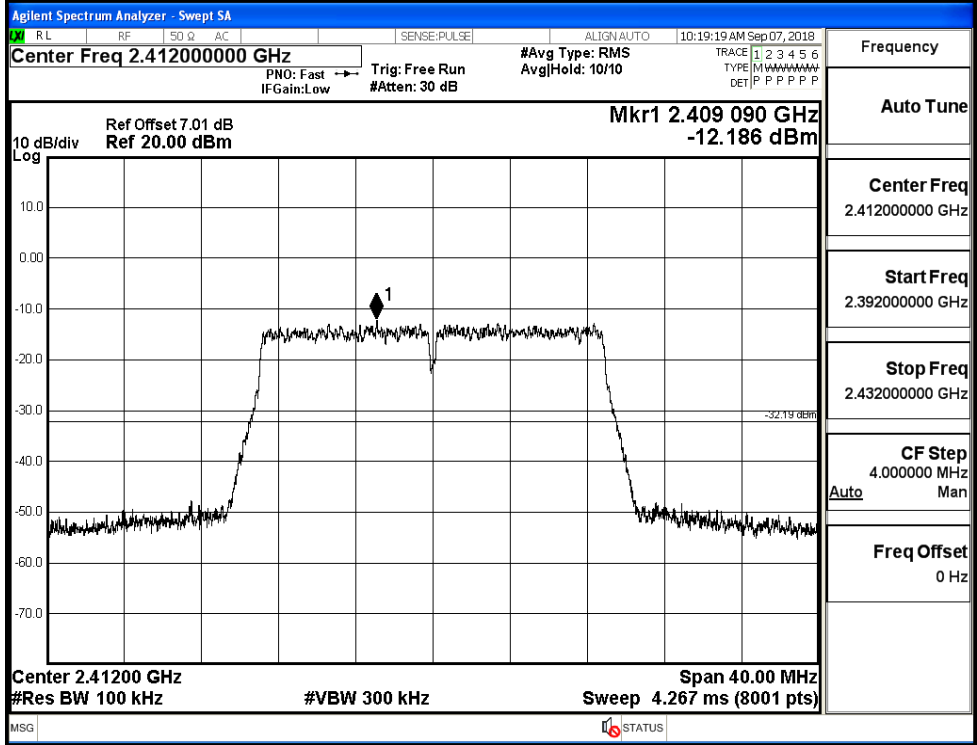


Puw/11G/HCH

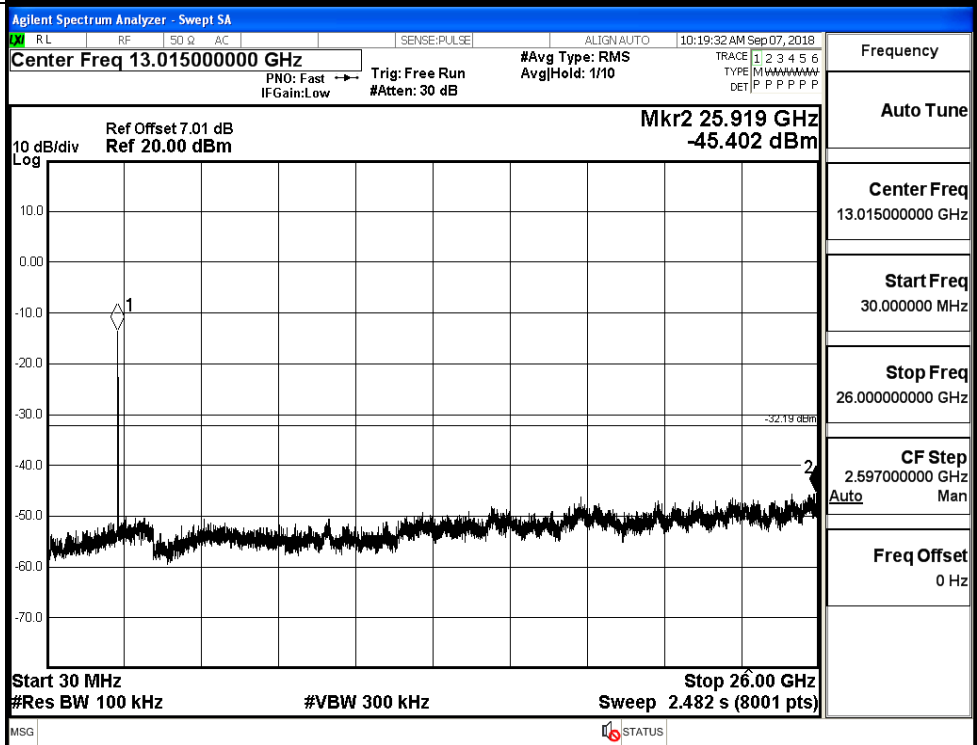


11N20SISO\_LCH\_Graphs

Pref/11N20SIS  
O/LCH

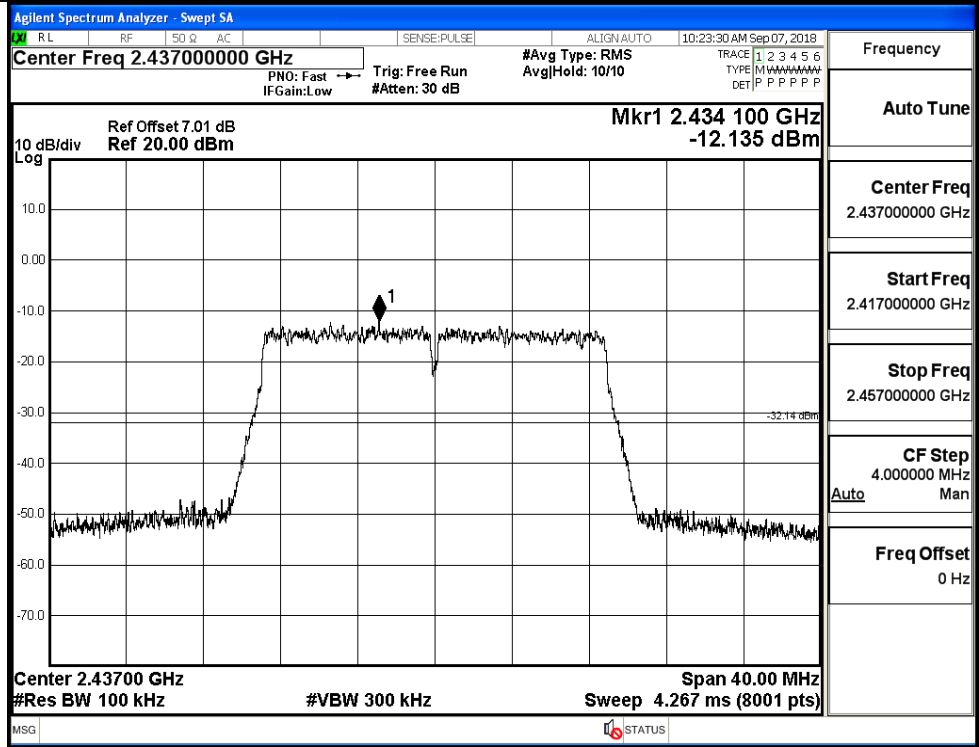


Puw/11N20  
SISO/LCH

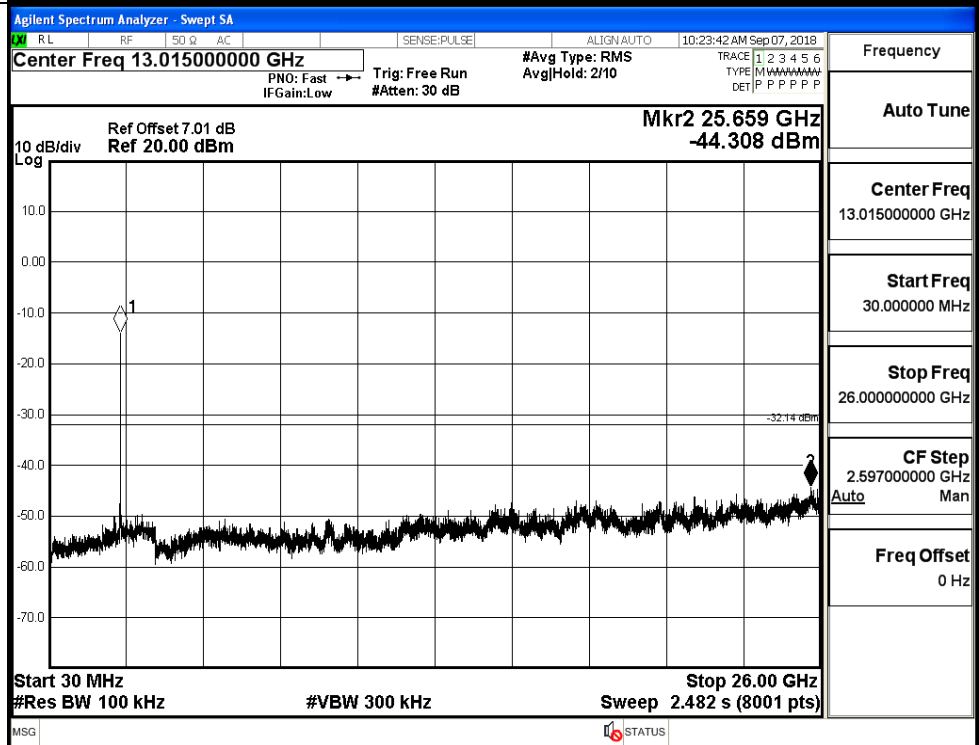


11N20SISO\_MCH\_Graphs

Pref/11N20  
SISO/MCH

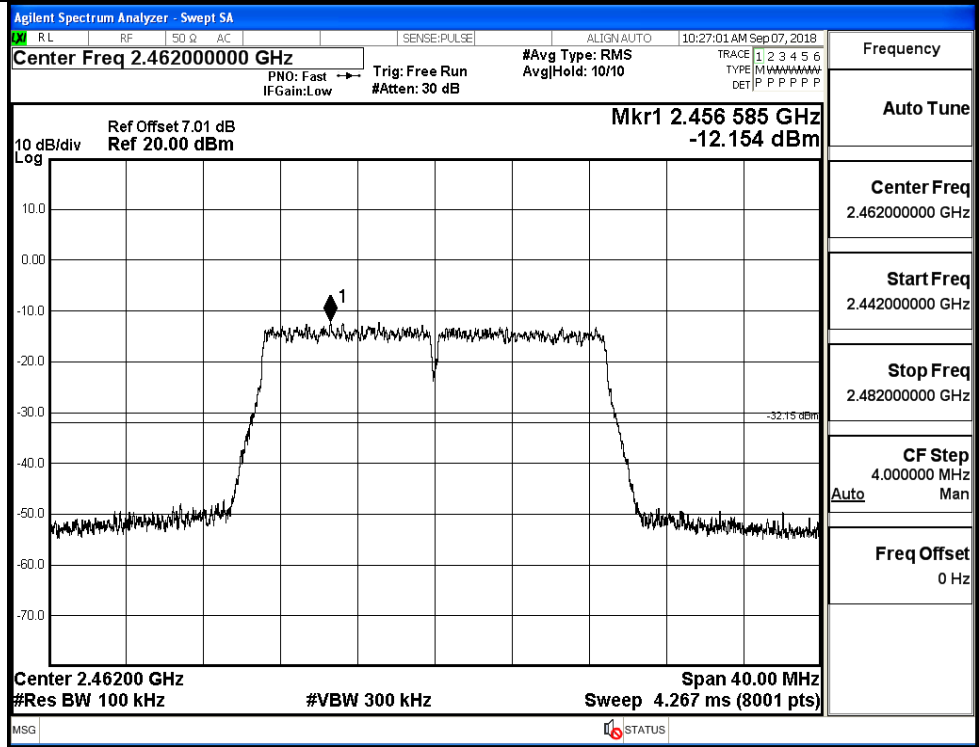


Puw/11N20  
SISO/MCH

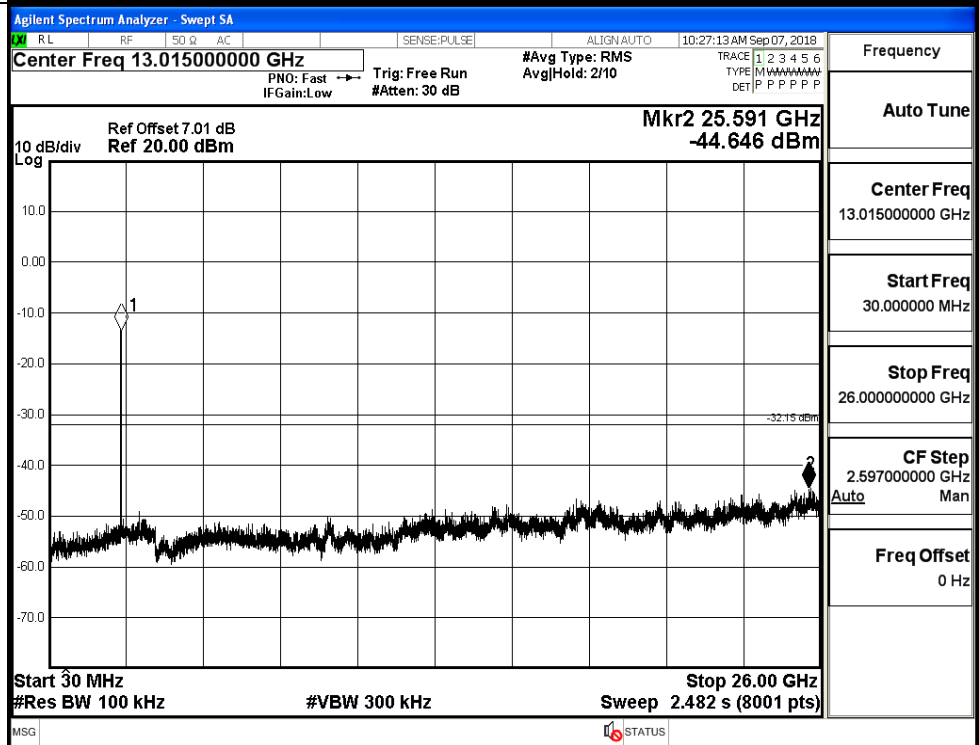


11N20SISO\_HCH\_Graphs

Pref/11N20  
SISO/HCH

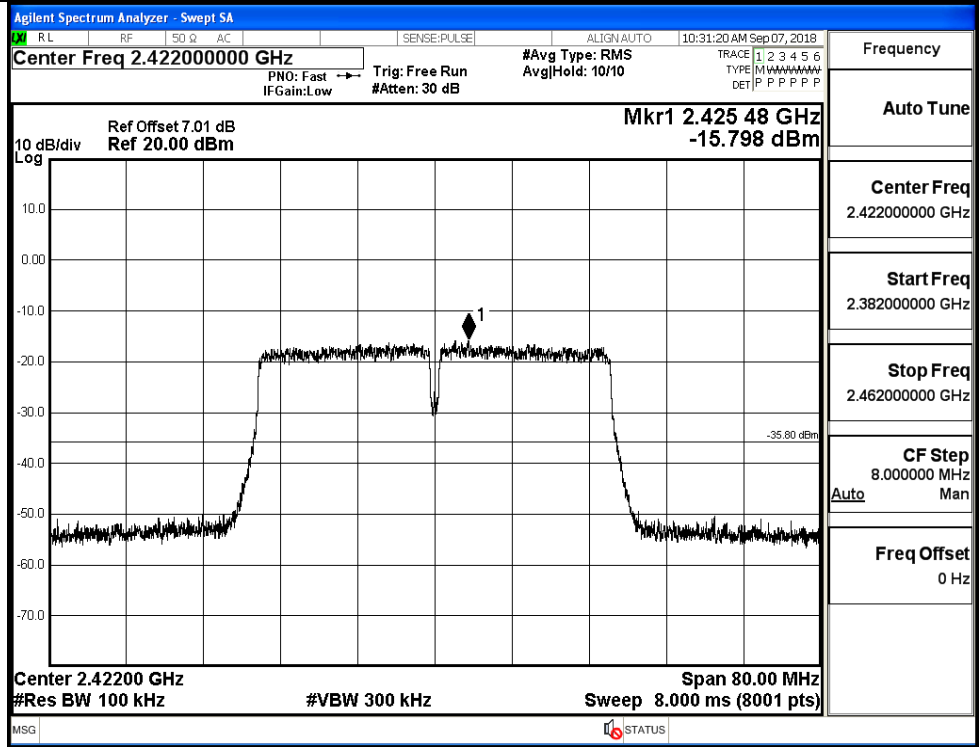


Puw/11N20  
SISO/HCH

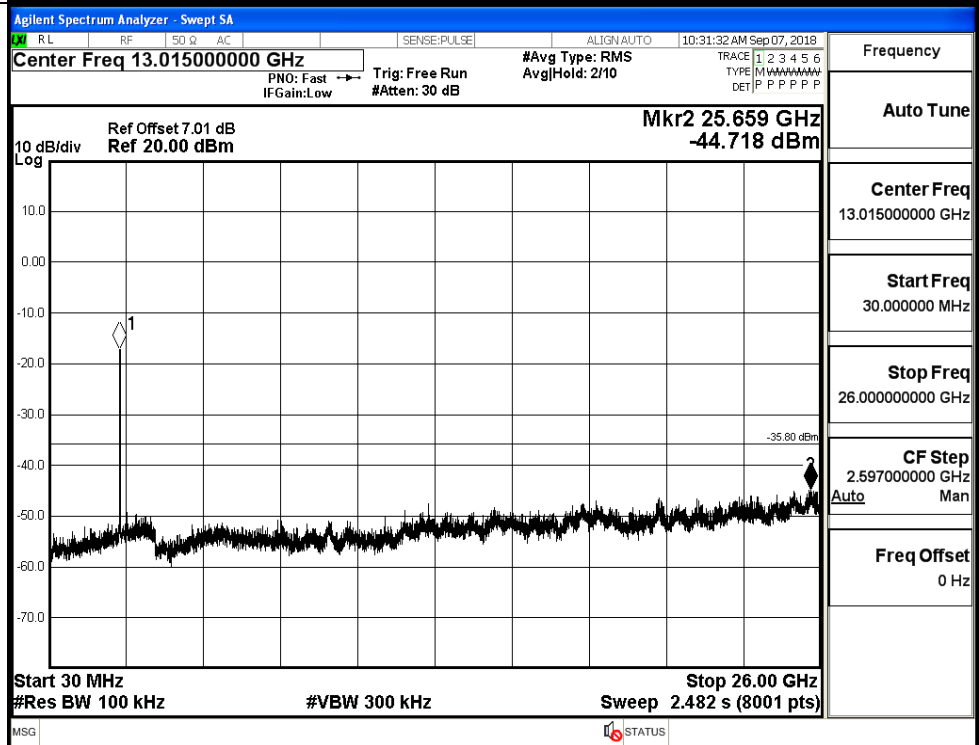


11N40SISO\_LCH\_Graphs

Pref/11N40  
SISO/LCH

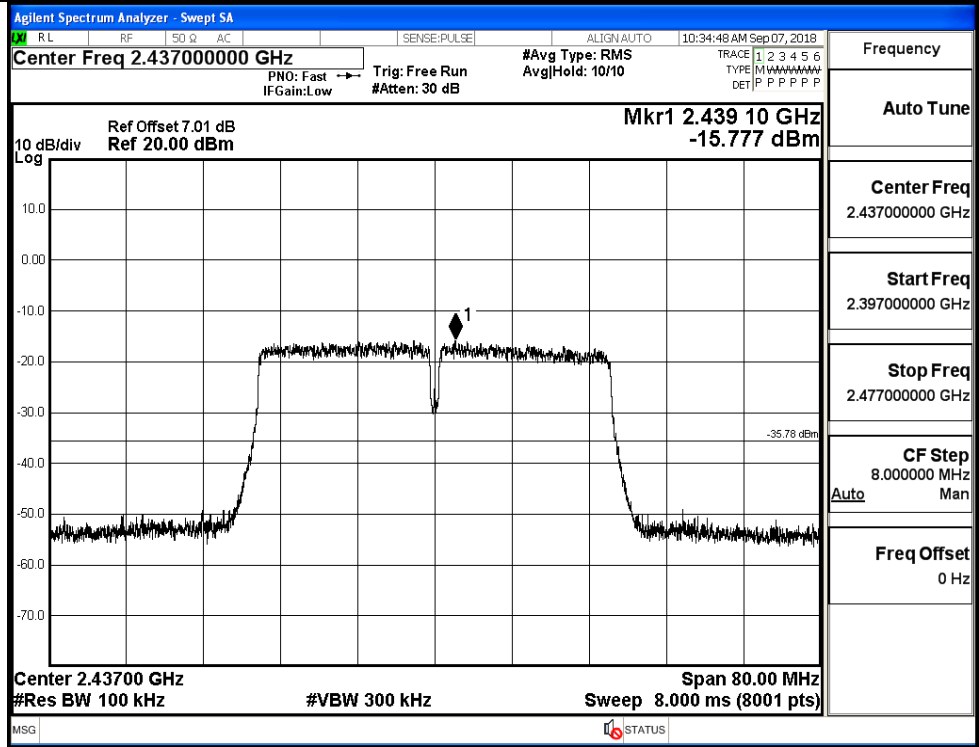


Puw/11N40  
SISO/LCH

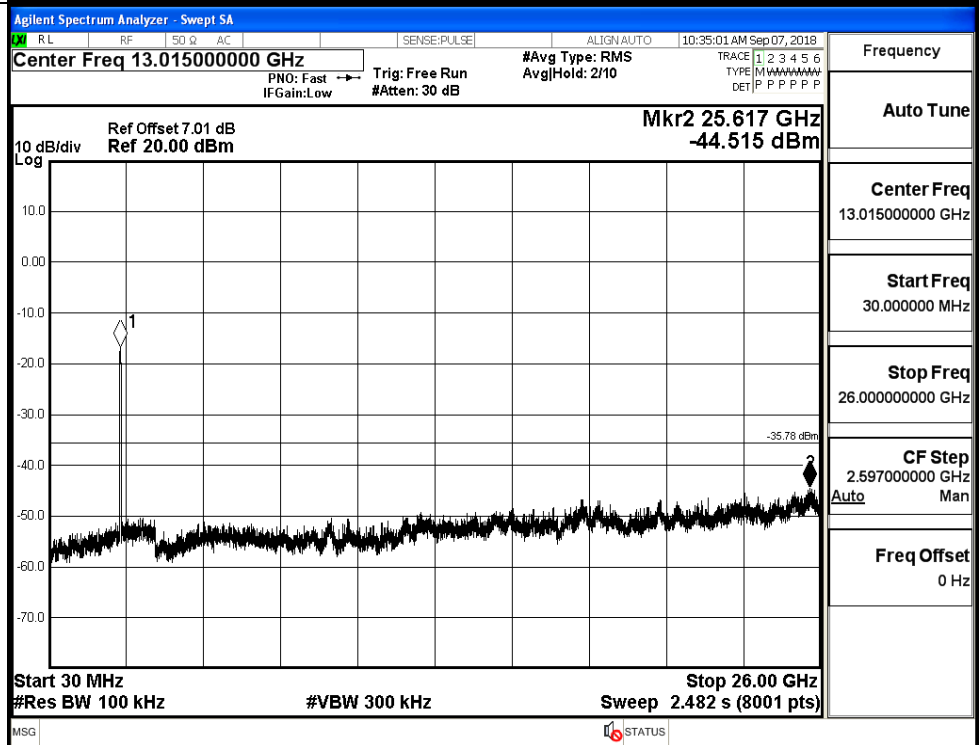


11N40SISO\_MCH\_Graphs

Pref/11N40  
SISO/MCH

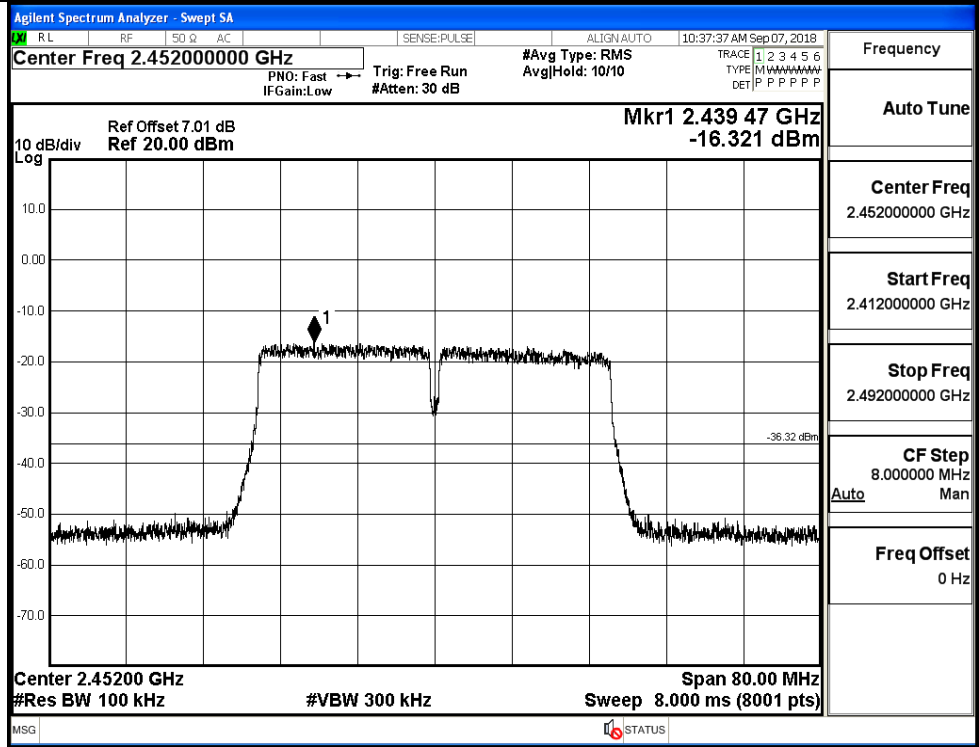


Puw/11N40  
SISO/MCH

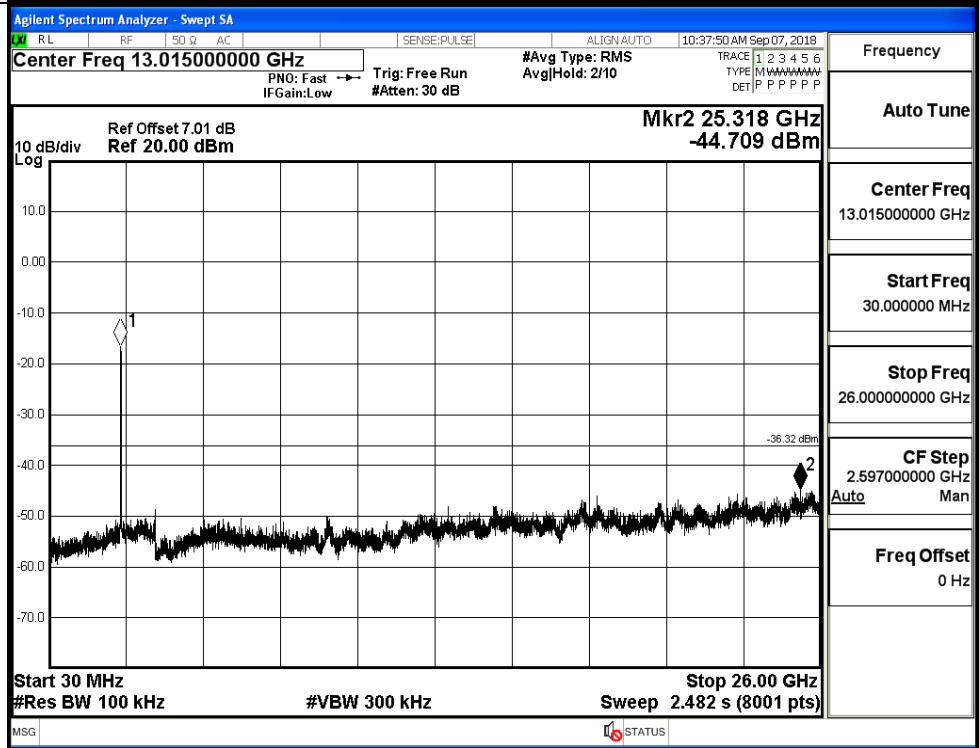


11N40SISO\_HCH\_Graphs

Pref/11N40  
SISO/HCH



Puw/11N40  
SISO/HCH



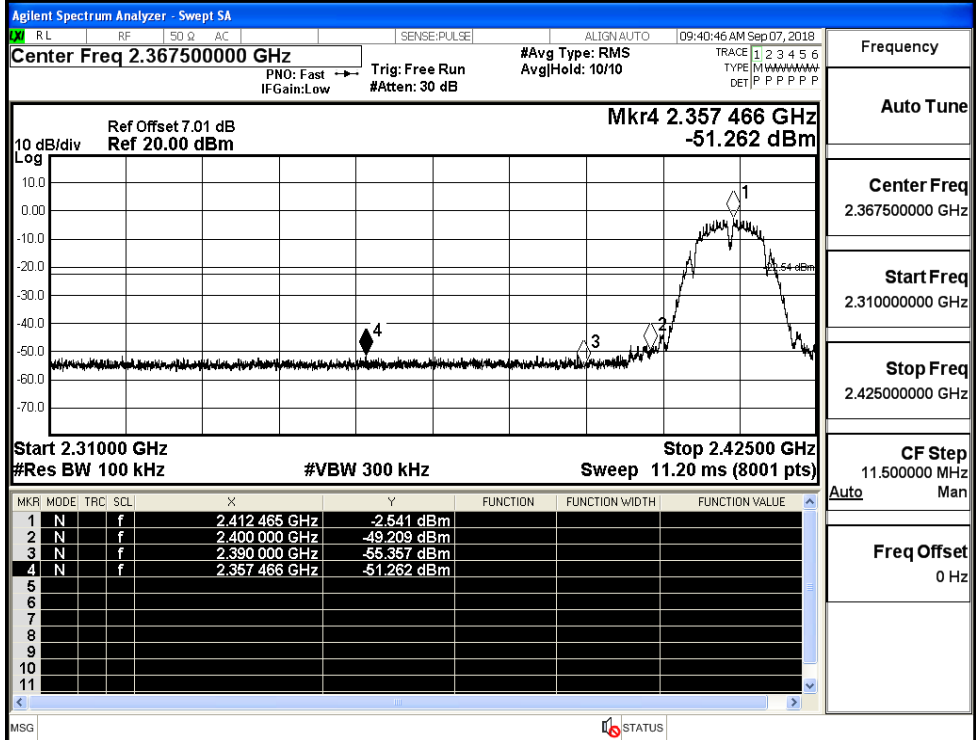
**C.6 Band-edge for RF Conducted Emissions**

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-2.541	-51.262	-22.54	PASS
	HCH	-1.316	-51.317	-21.32	PASS
11G	LCH	-12.694	-50.916	-32.69	PASS
	HCH	-12.411	-49.747	-32.41	PASS
11N20SISO	LCH	-12.763	-50.597	-32.76	PASS
	HCH	-12.182	-50.310	-32.18	PASS
11N40SISO	LCH	-15.934	-51.435	-35.93	PASS
	HCH	-15.956	-51.386	-35.96	PASS



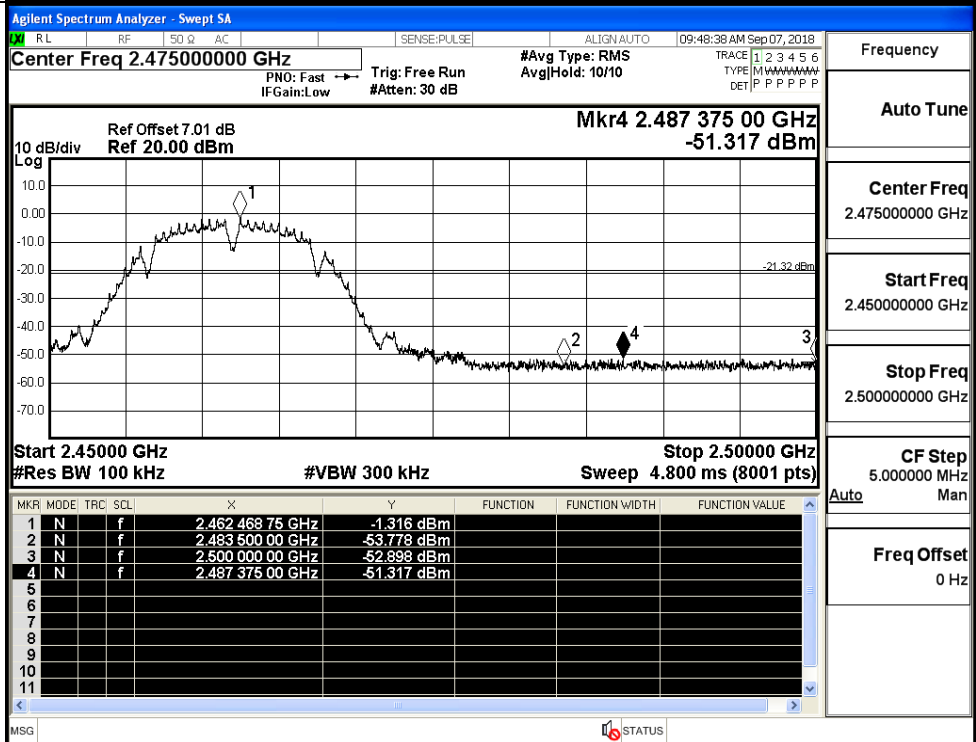
Test Graphs

11B/LCH



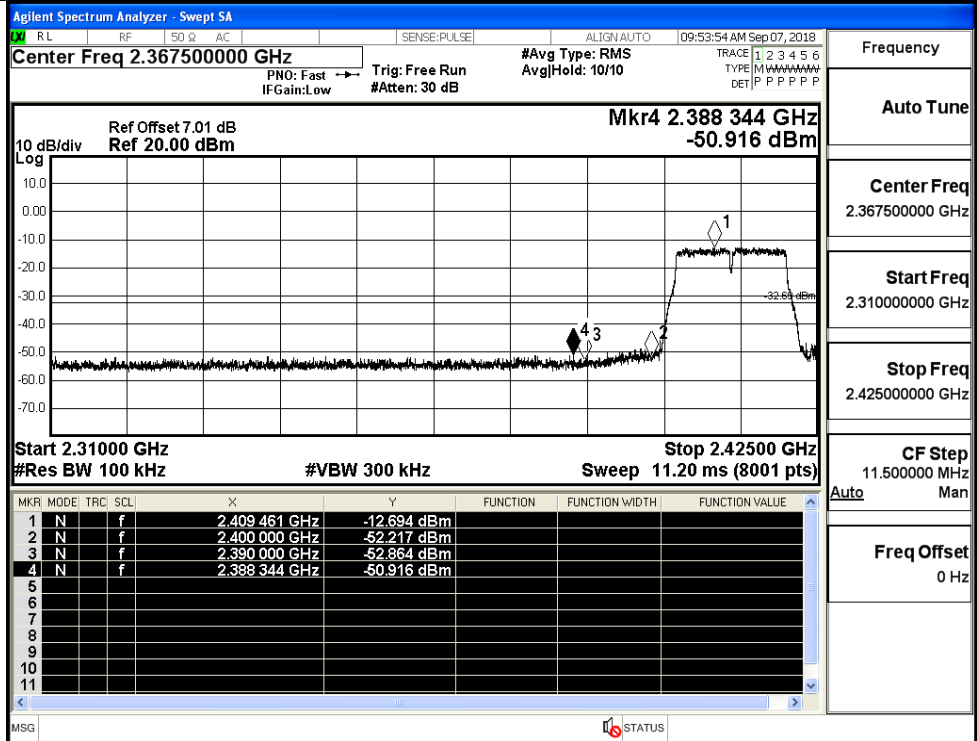
Frequency
Auto Tune
Center Freq 2.367500000 GHz
Start Freq 2.310000000 GHz
Stop Freq 2.425000000 GHz
CF Step 11.500000 MHz Auto Man
Freq Offset 0 Hz

11B/HCH



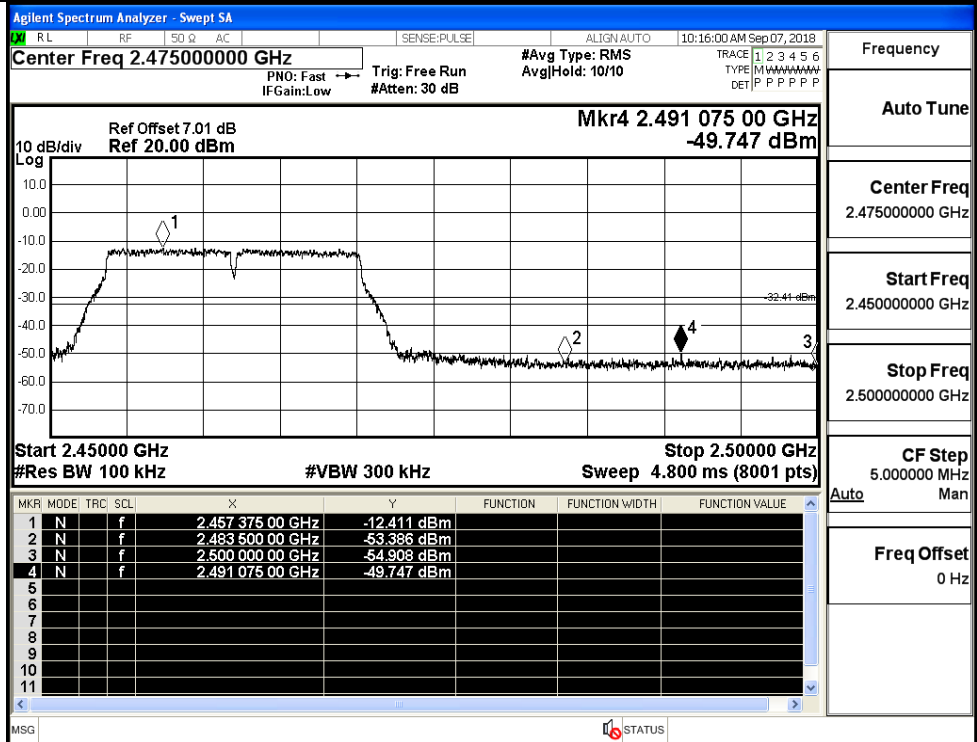
Frequency
Auto Tune
Center Freq 2.475000000 GHz
Start Freq 2.450000000 GHz
Stop Freq 2.500000000 GHz
CF Step 5.000000 MHz Auto Man
Freq Offset 0 Hz

11G/LCH



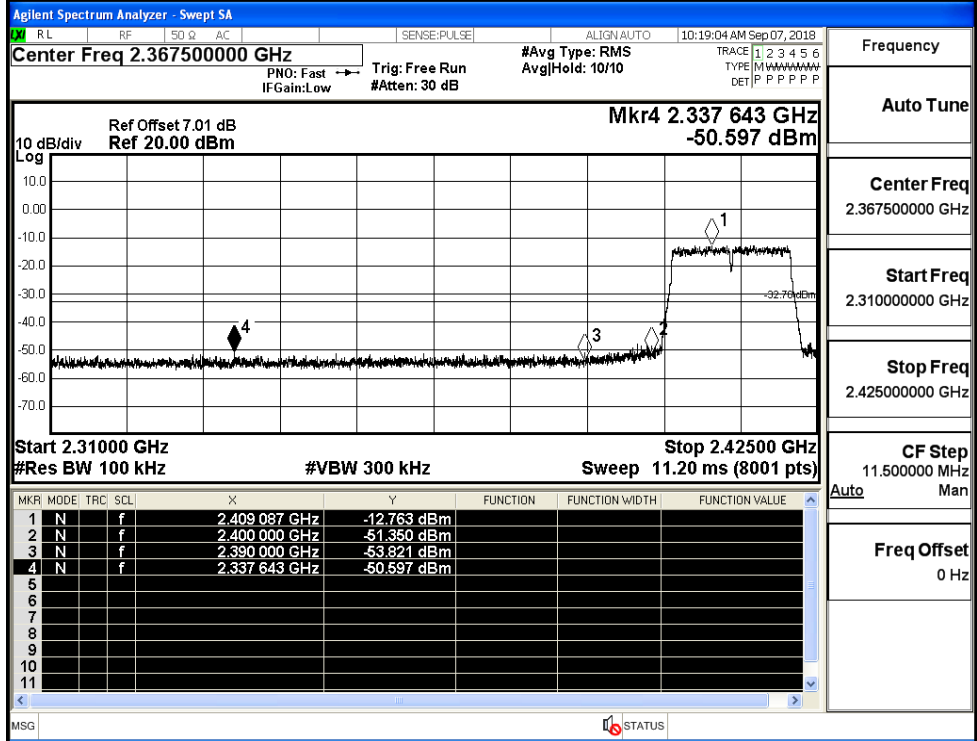
Frequency  
 Auto Tune  
 Center Freq  
 2.367500000 GHz  
 Start Freq  
 2.310000000 GHz  
 Stop Freq  
 2.425000000 GHz  
 CF Step  
 11.500000 MHz  
 Freq Offset  
 0 Hz

11G/HCH



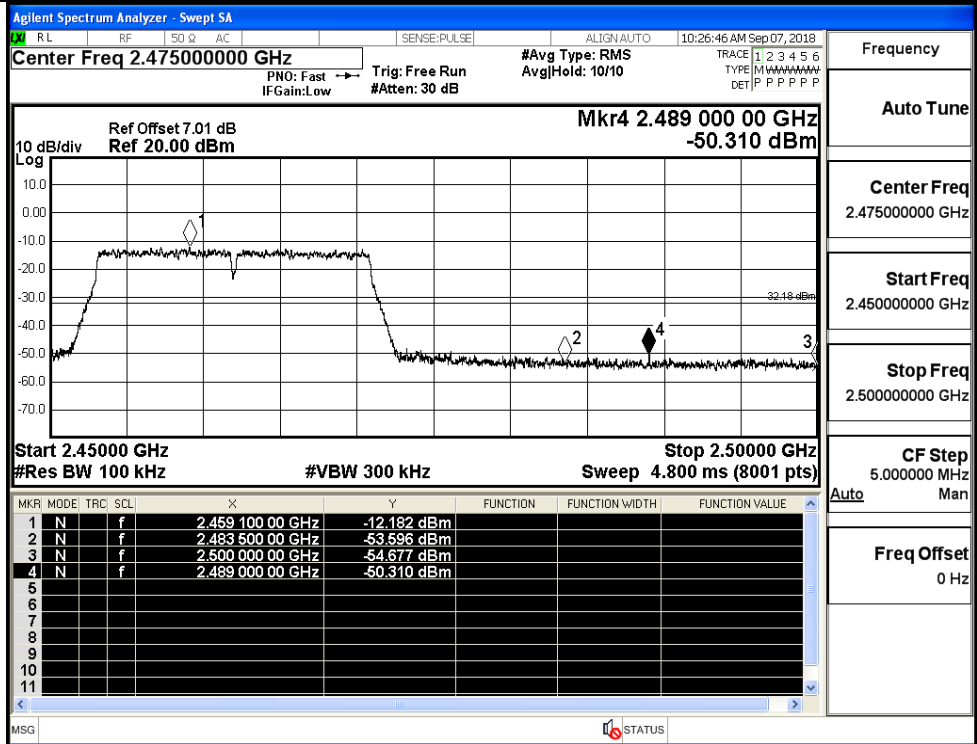
Frequency  
 Auto Tune  
 Center Freq  
 2.475000000 GHz  
 Start Freq  
 2.450000000 GHz  
 Stop Freq  
 2.500000000 GHz  
 CF Step  
 5.000000 MHz  
 Freq Offset  
 0 Hz

11N20SISO/LCH



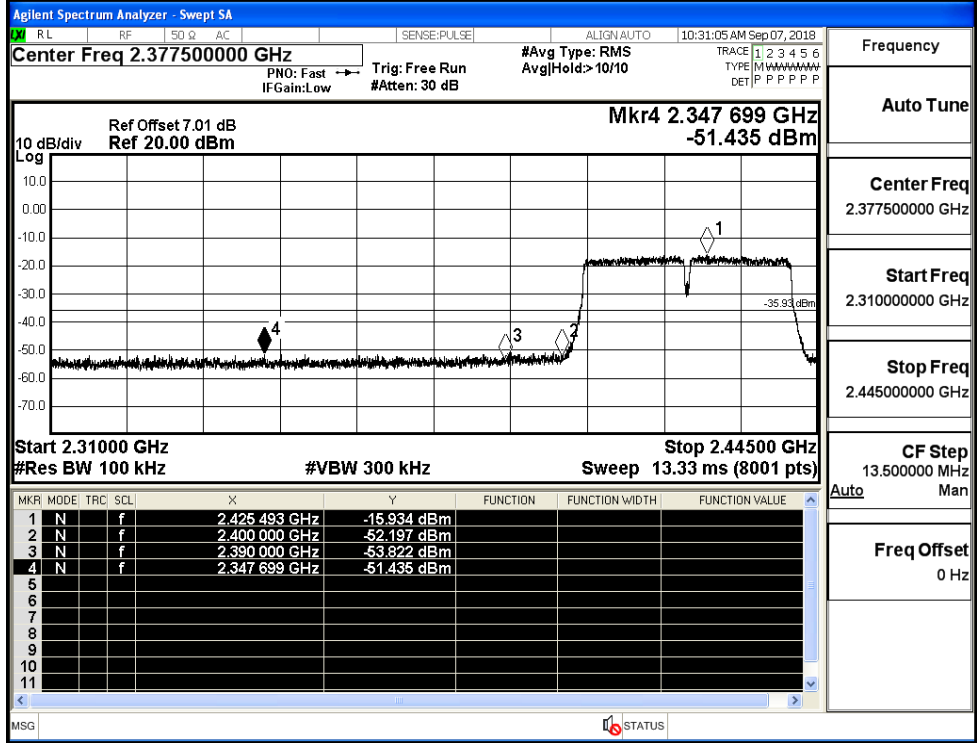
Frequency	2.36750000 GHz
Auto Tune	
Center Freq	2.36750000 GHz
Start Freq	2.31000000 GHz
Stop Freq	2.42500000 GHz
CF Step	11.500000 MHz
Freq Offset	0 Hz

11N20SISO/HCH



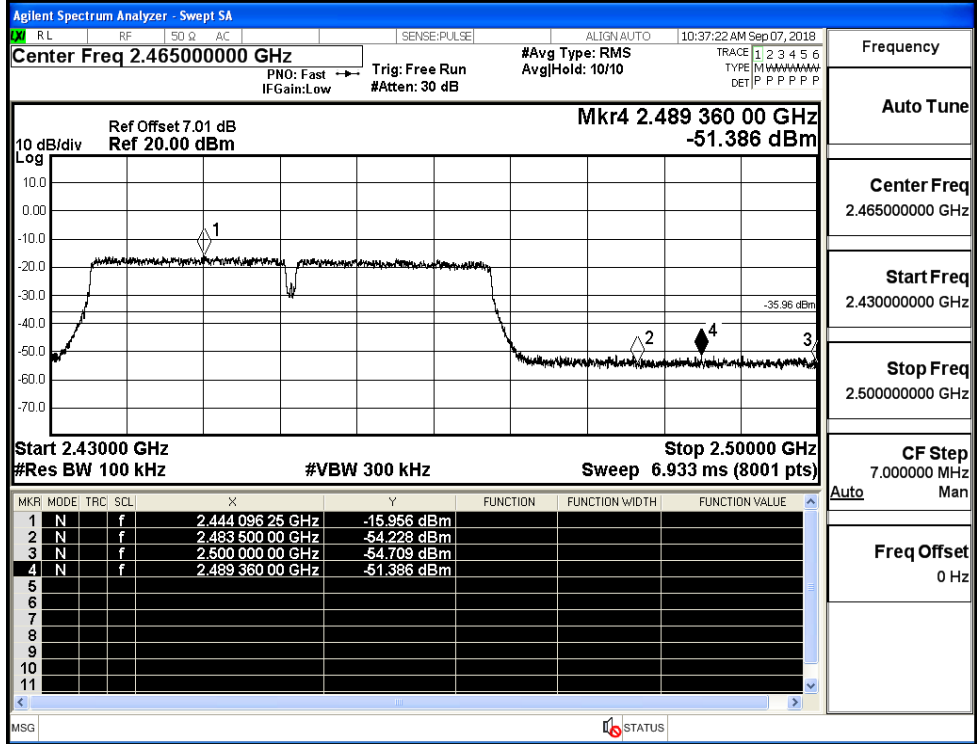
Frequency	2.47500000 GHz
Auto Tune	
Center Freq	2.47500000 GHz
Start Freq	2.45000000 GHz
Stop Freq	2.50000000 GHz
CF Step	5.000000 MHz
Freq Offset	0 Hz

11N40SISO/LCH



Frequency	
Auto Tune	
Center Freq	2.377500000 GHz
Start Freq	2.310000000 GHz
Stop Freq	2.445000000 GHz
CF Step	13.500000 MHz
Auto	Man
Freq Offset	0 Hz

11N40SISO/HCH

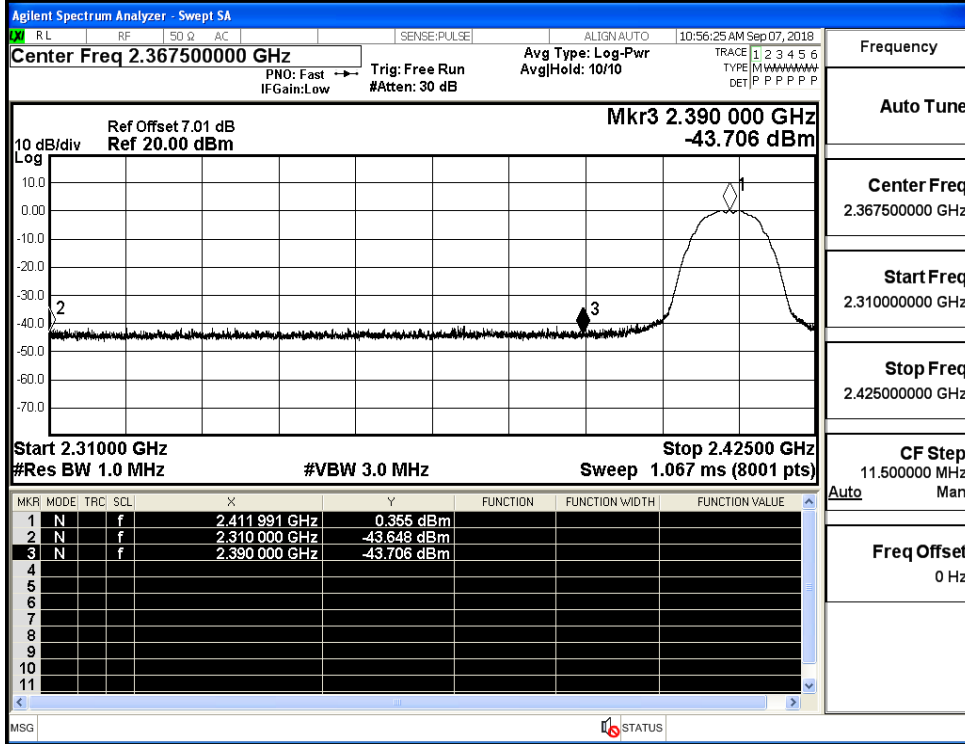


Frequency	
Auto Tune	
Center Freq	2.465000000 GHz
Start Freq	2.430000000 GHz
Stop Freq	2.500000000 GHz
CF Step	7.000000 MHz
Auto	Man
Freq Offset	0 Hz

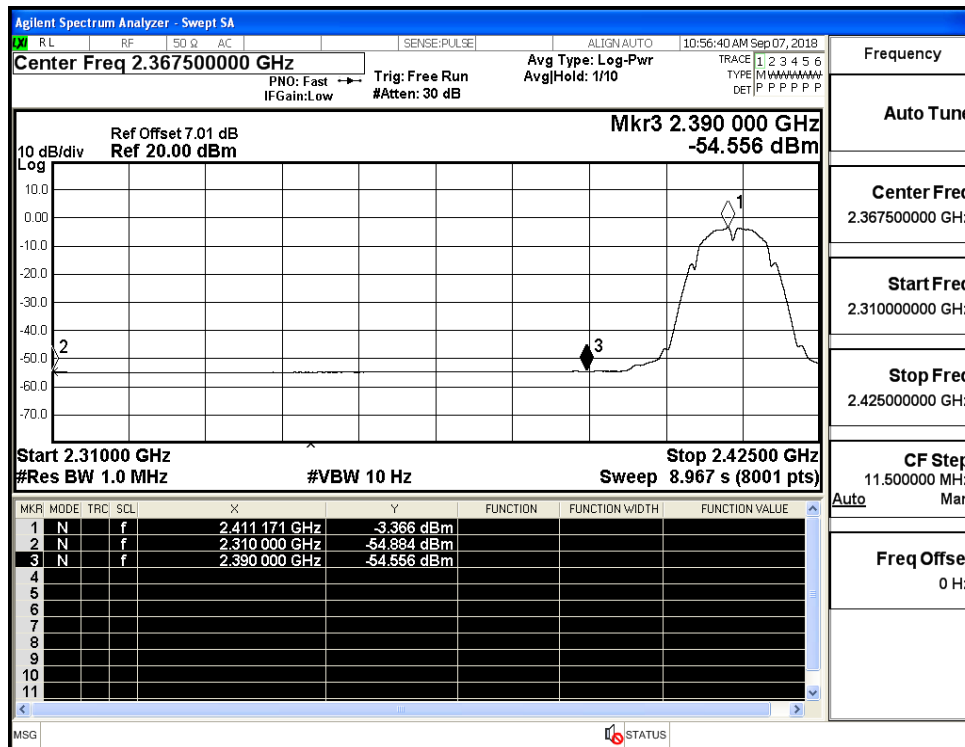
## C.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-43.648	2.50	0	54.080	PEAK	74	PASS
	2412	Ant1	2310.0	-54.884	2.50	0	42.844	AV	54	PASS
	2412	Ant1	2390.0	-43.706	2.50	0	54.022	PEAK	74	PASS
	2412	Ant1	2390.0	-54.566	2.50	0	43.162	AV	54	PASS
	2462	Ant1	2483.5	-42.538	2.50	0	55.190	PEAK	74	PASS
	2462	Ant1	2483.5	-52.245	2.50	0	45.483	AV	54	PASS
	2462	Ant1	2500.0	-43.840	2.50	0	53.888	PEAK	74	PASS
	2462	Ant1	2500.0	-54.232	2.50	0	43.496	AV	54	PASS
11G	2412	Ant1	2310.0	-44.098	2.50	0	53.630	PEAK	74	PASS
	2412	Ant1	2310.0	-54.943	2.50	0	42.785	AV	54	PASS
	2412	Ant1	2390.0	-44.458	2.50	0	53.270	PEAK	74	PASS
	2412	Ant1	2390.0	-54.184	2.50	0	43.544	AV	54	PASS
	2462	Ant1	2483.5	-43.759	2.50	0	53.969	PEAK	74	PASS
	2462	Ant1	2483.5	-54.031	2.50	0	43.697	AV	54	PASS
	2462	Ant1	2500.0	-44.713	2.50	0	53.015	PEAK	74	PASS
	2462	Ant1	2500.0	-54.120	2.50	0	43.608	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.818	2.50	0	53.910	PEAK	74	PASS
	2412	Ant1	2310.0	-54.939	2.50	0	42.789	AV	54	PASS
	2412	Ant1	2390.0	-43.739	2.50	0	53.989	PEAK	74	PASS
	2412	Ant1	2390.0	-54.002	2.50	0	43.726	AV	54	PASS
	2462	Ant1	2483.5	-43.987	2.50	0	53.741	PEAK	74	PASS
	2462	Ant1	2483.5	-53.929	2.50	0	43.799	AV	54	PASS
	2462	Ant1	2500.0	-43.979	2.50	0	53.749	PEAK	74	PASS
	2462	Ant1	2500.0	-54.121	2.50	0	43.607	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-44.662	2.50	0	53.066	PEAK	74	PASS
	2422	Ant1	2310.0	-54.953	2.50	0	42.775	AV	54	PASS
	2422	Ant1	2390.0	-43.597	2.50	0	54.131	PEAK	74	PASS
	2422	Ant1	2390.0	-53.843	2.50	0	43.885	AV	54	PASS
	2452	Ant1	2483.5	-42.279	2.50	0	55.449	PEAK	74	PASS
	2452	Ant1	2483.5	-54.108	2.50	0	43.620	AV	54	PASS
	2452	Ant1	2500.0	-43.804	2.50	0	53.924	PEAK	74	PASS
	2452	Ant1	2500.0	-54.193	2.50	0	43.535	AV	54	PASS

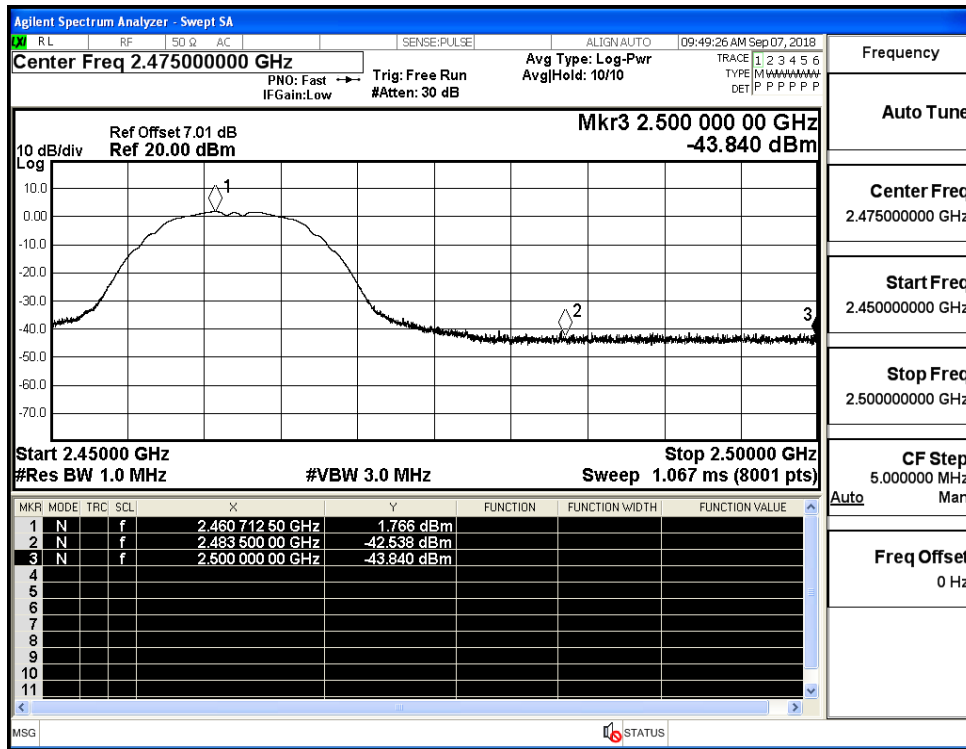
Restrict-band band-edge measurements\_11B\_2412\_Ant1\_PEAK



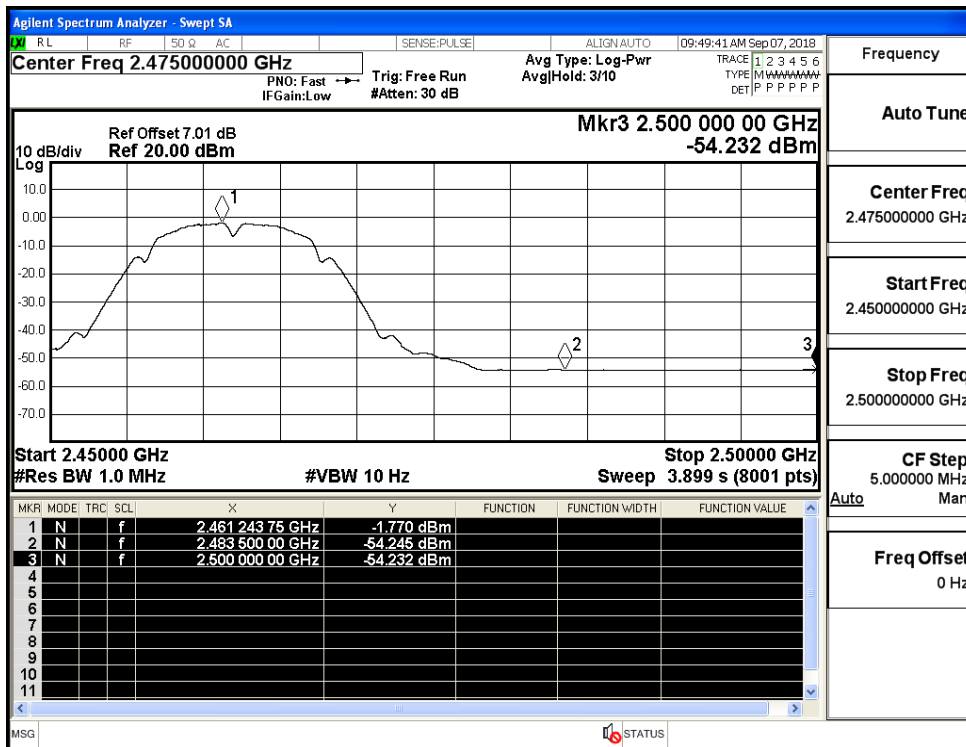
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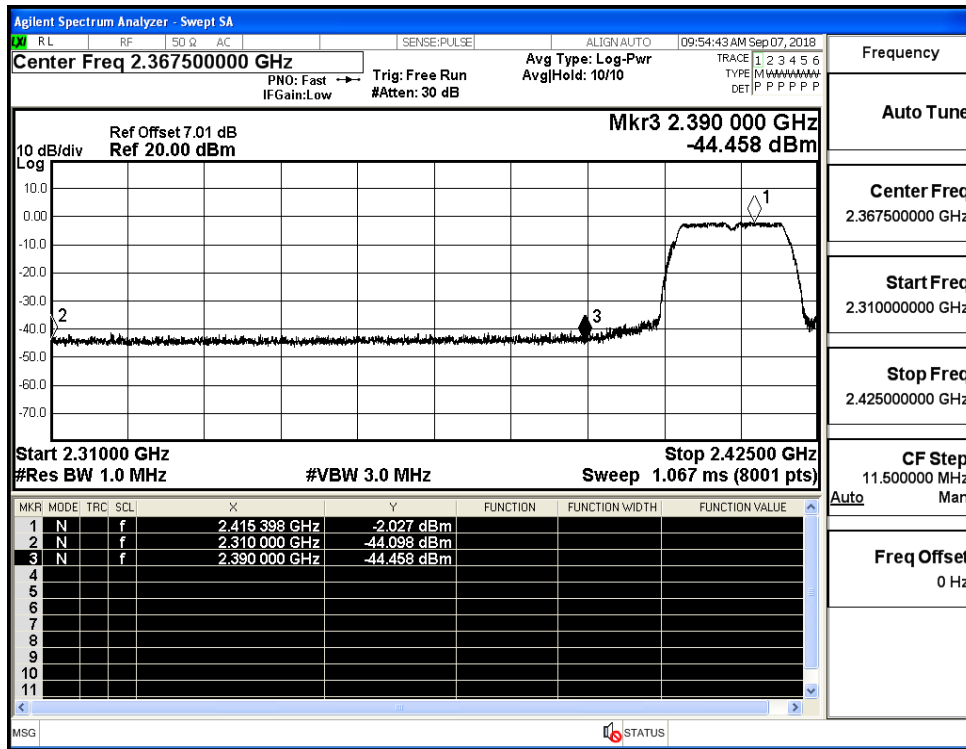
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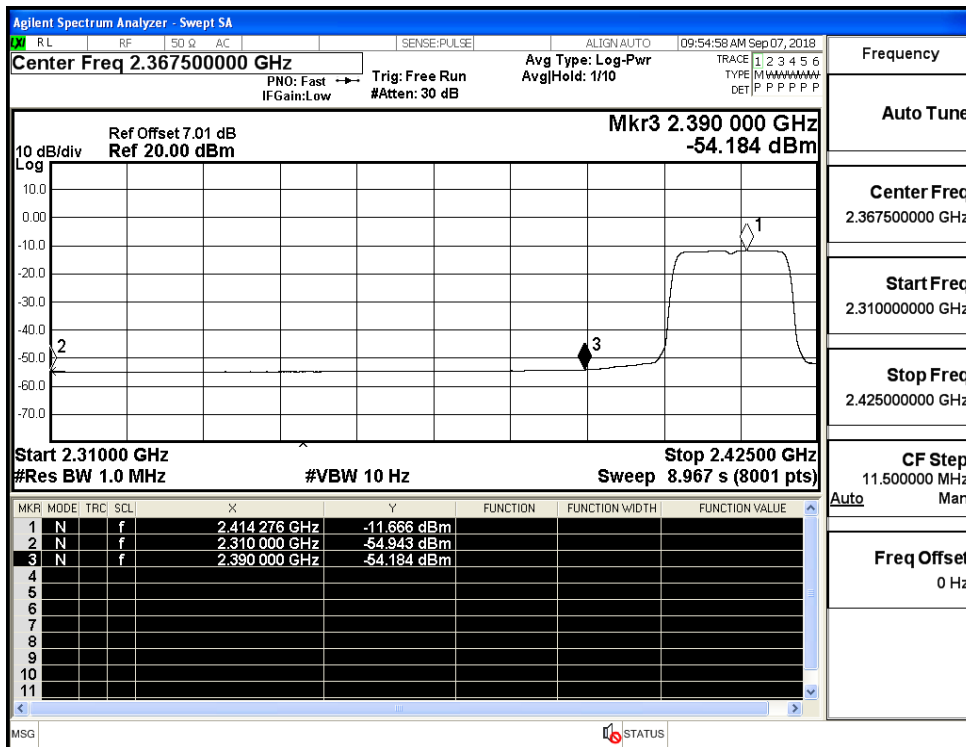
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Restrict-band band-edge measurements\_11G\_2412\_Ant1\_PEAK

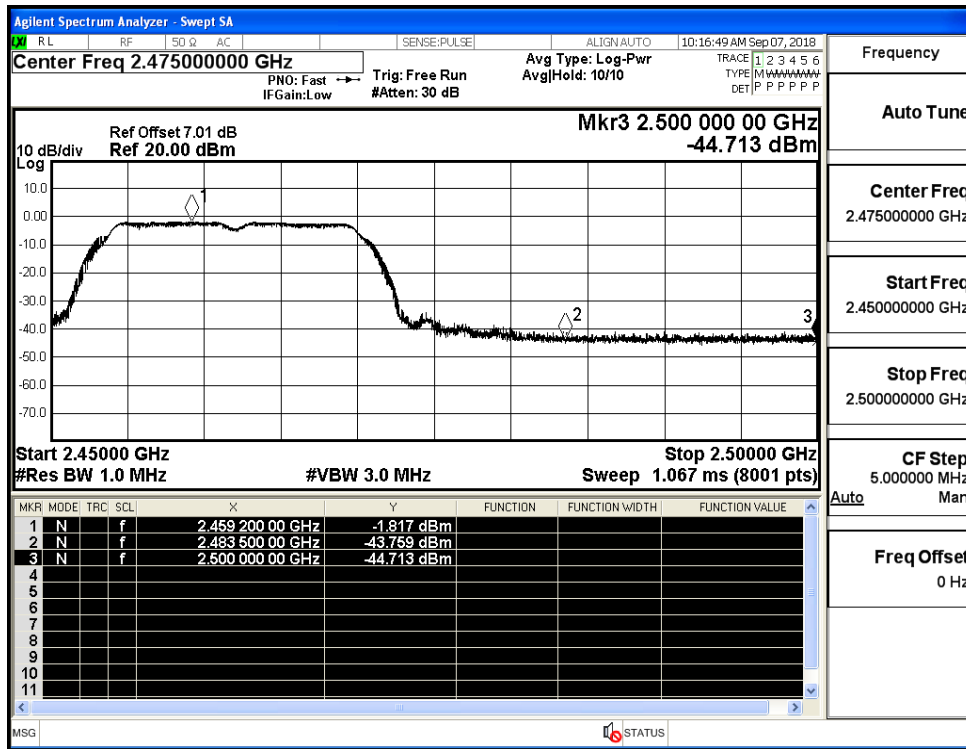


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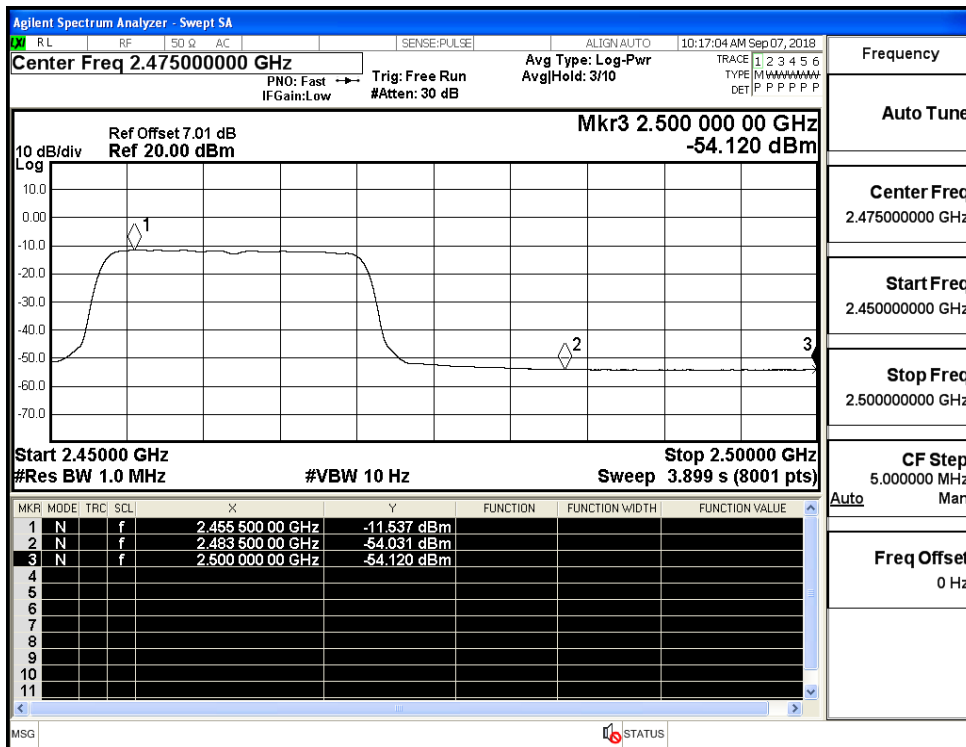




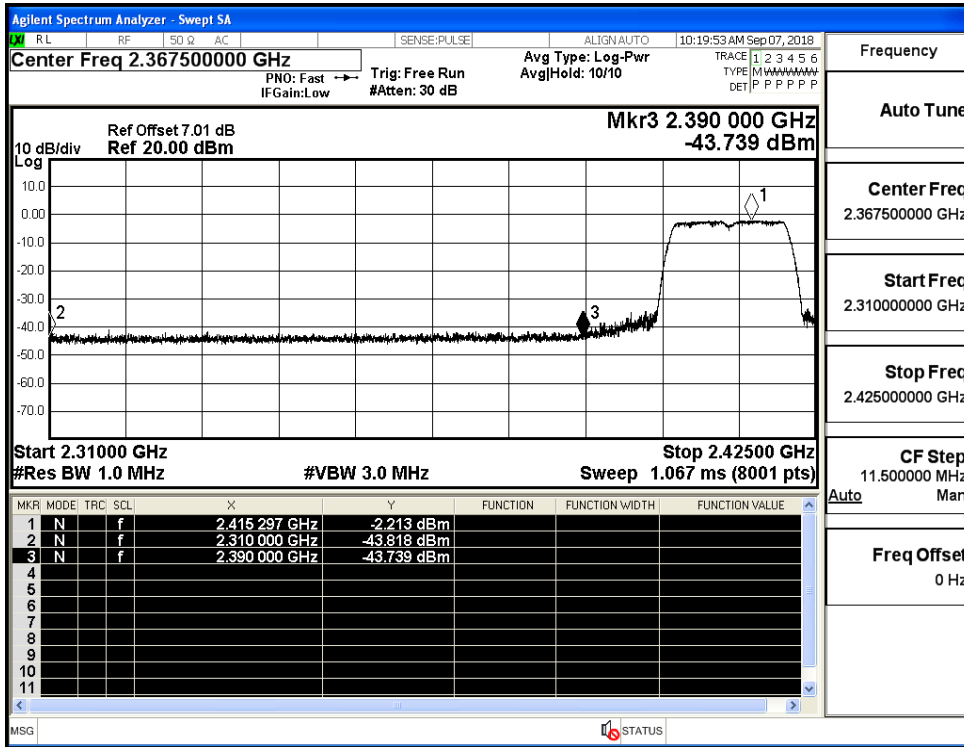
Restrict-band band-edge measurements\_11G\_2462\_Ant1\_PEAK



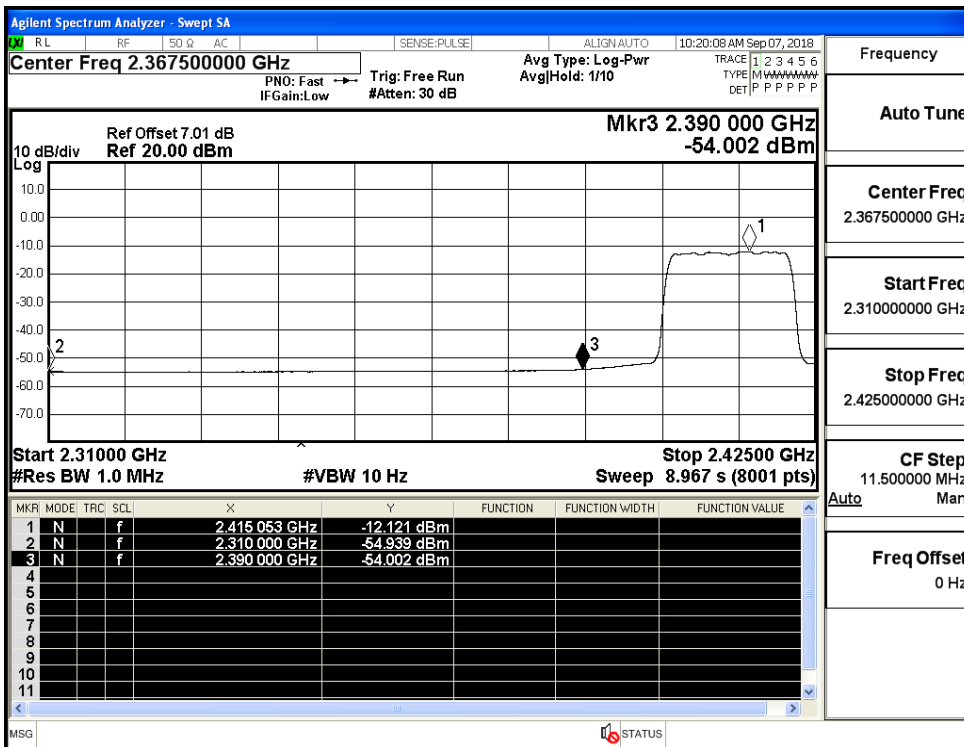
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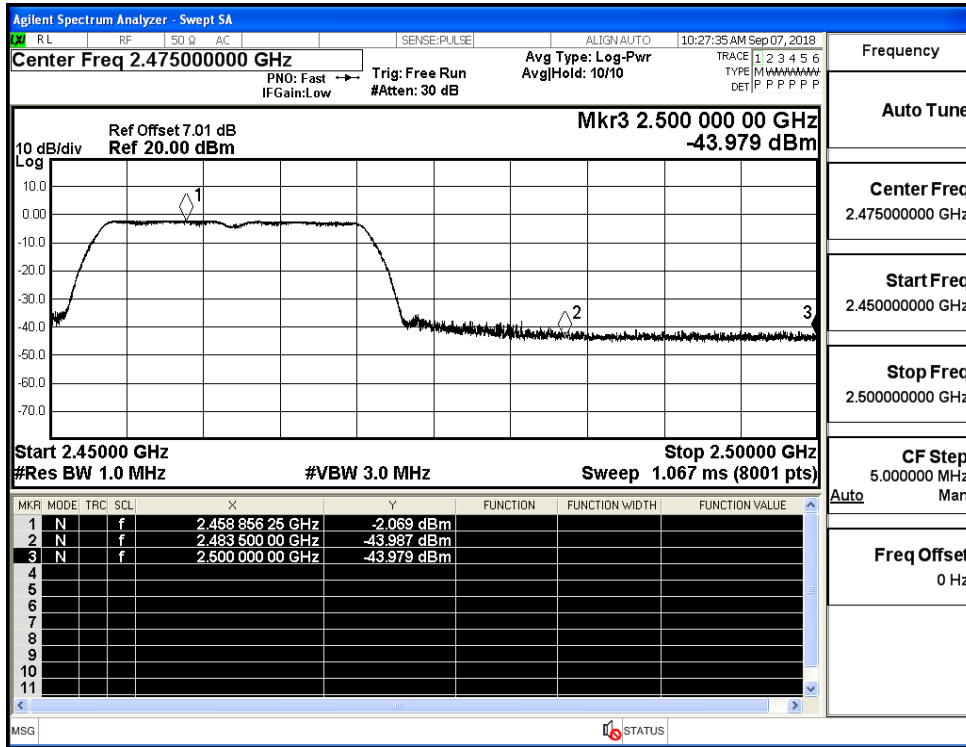
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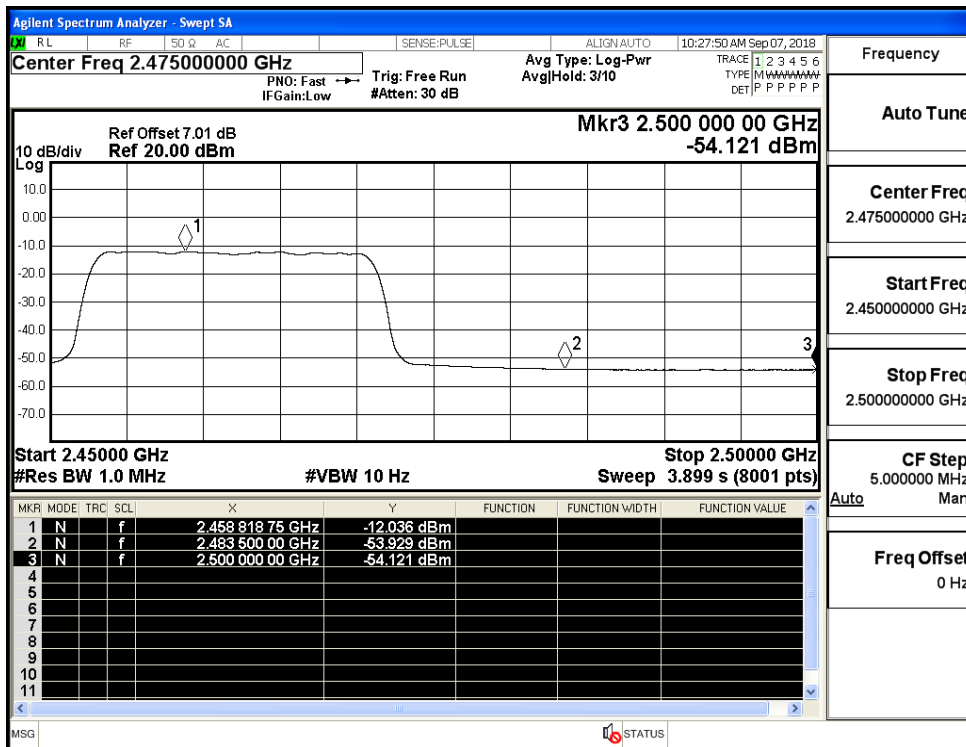
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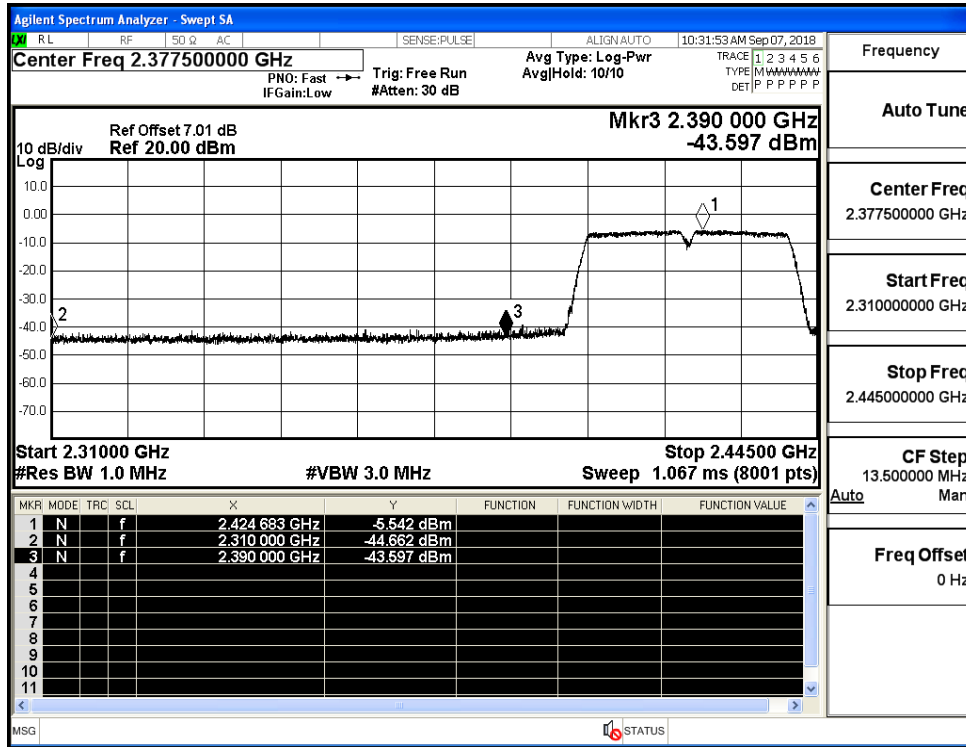
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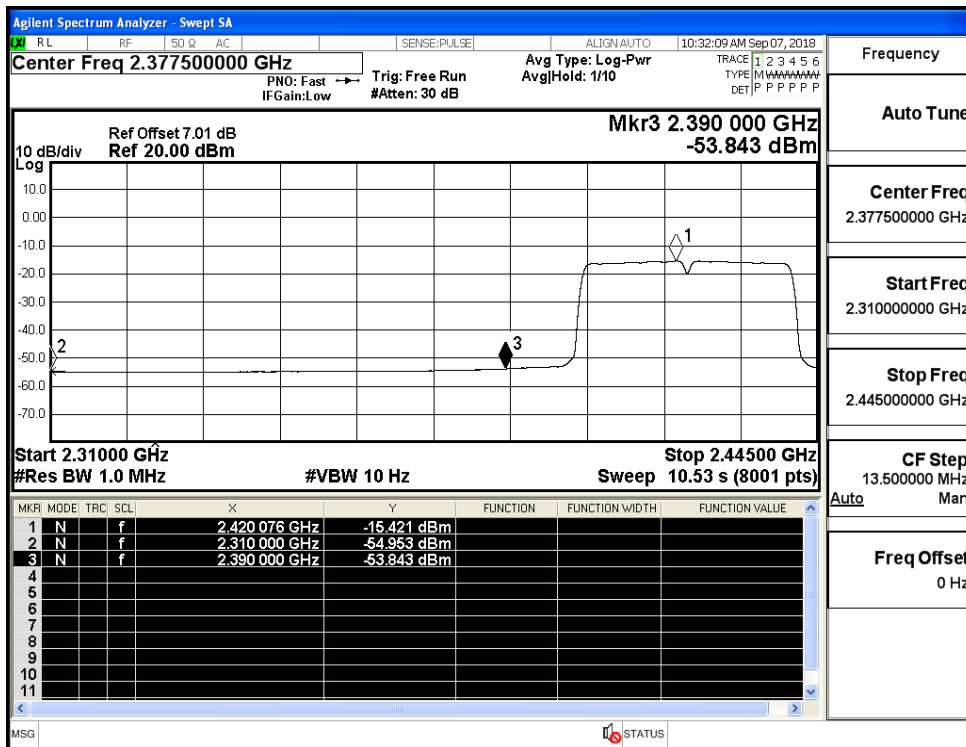
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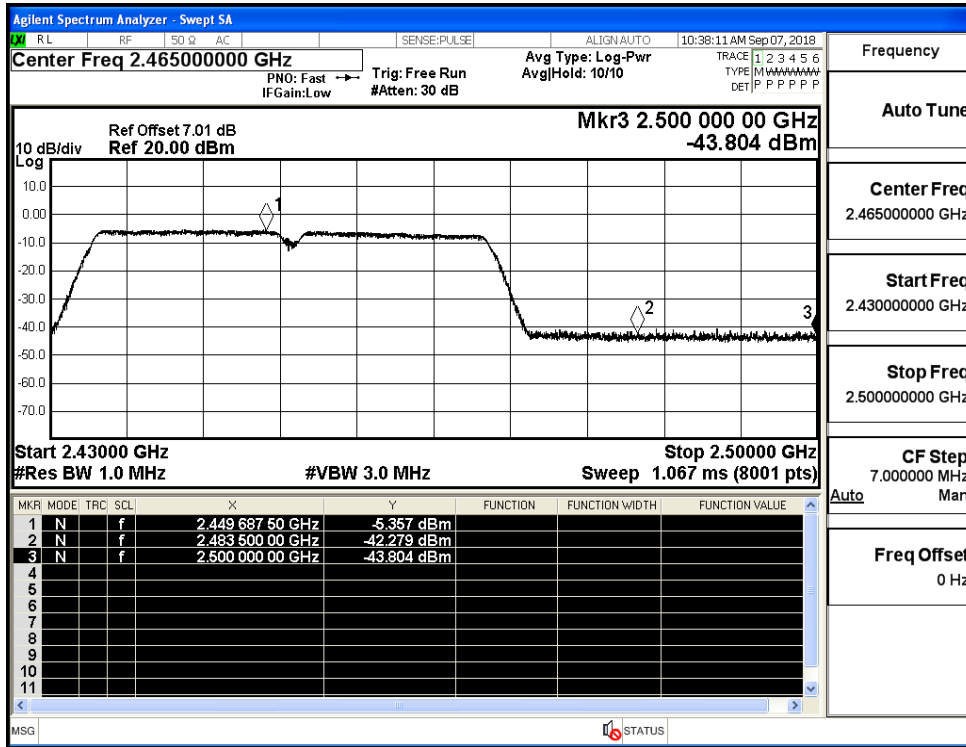
Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_PEAK



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

