

## Appendix A

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

Product Name: 21.5inch android Panel PC

Trade Mark: Conker

Test Model: PTRCR01

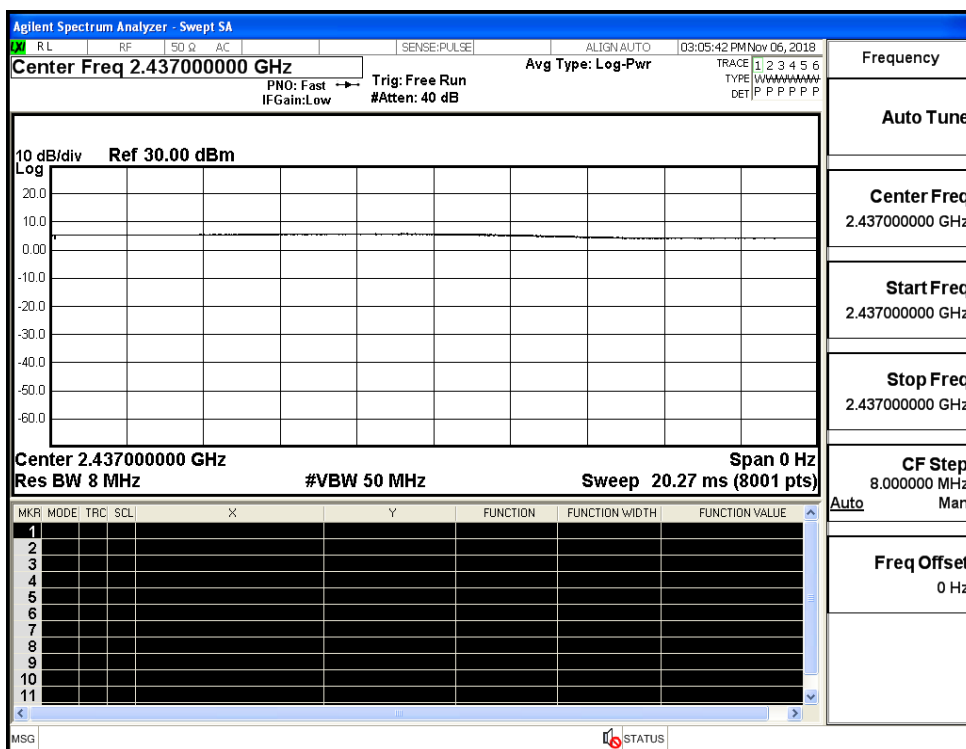
#### Environmental Conditions

Temperature:	24.6 ° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Wang Chuang
Supervised by:	Jayden Zhuo

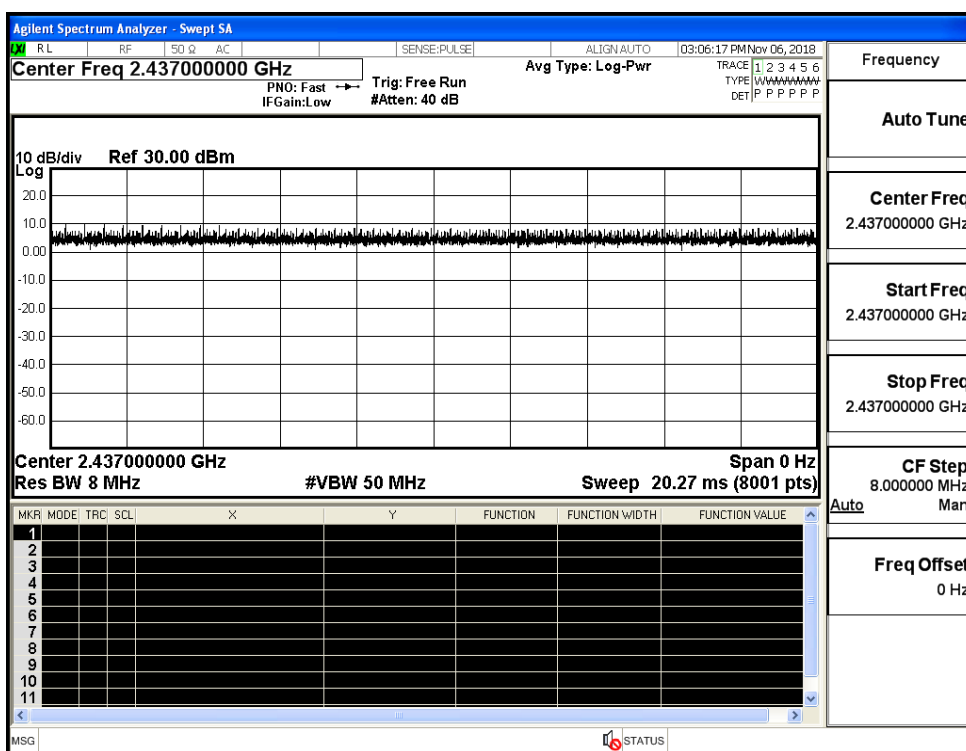
#### A.1 Duty Cycle

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

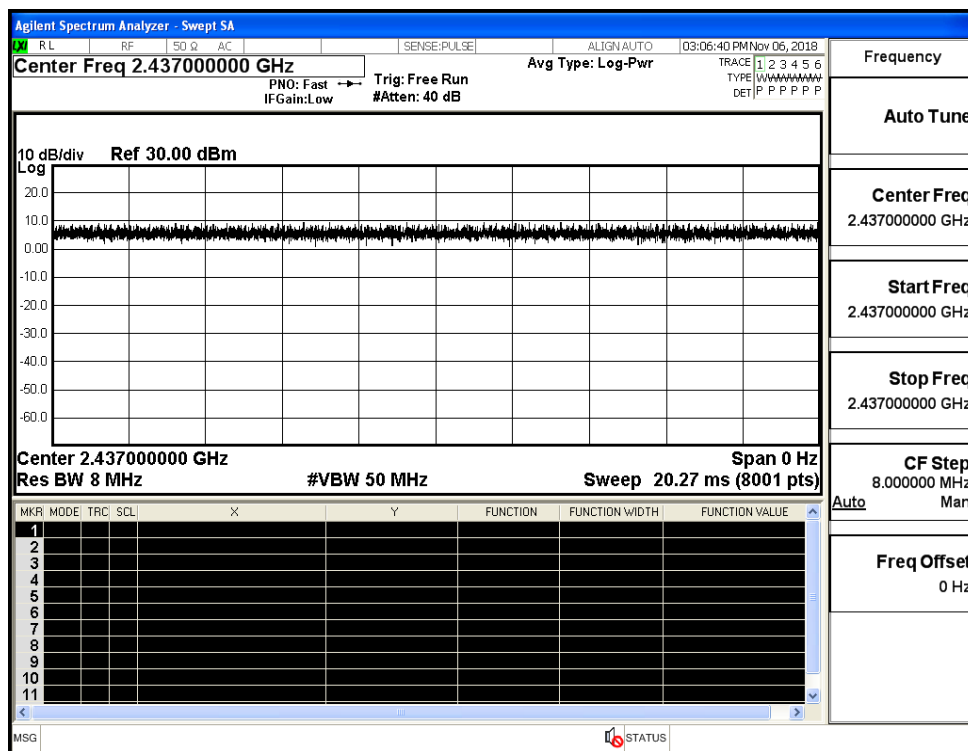
## Duty Cycle\_11B\_2437\_Ant1



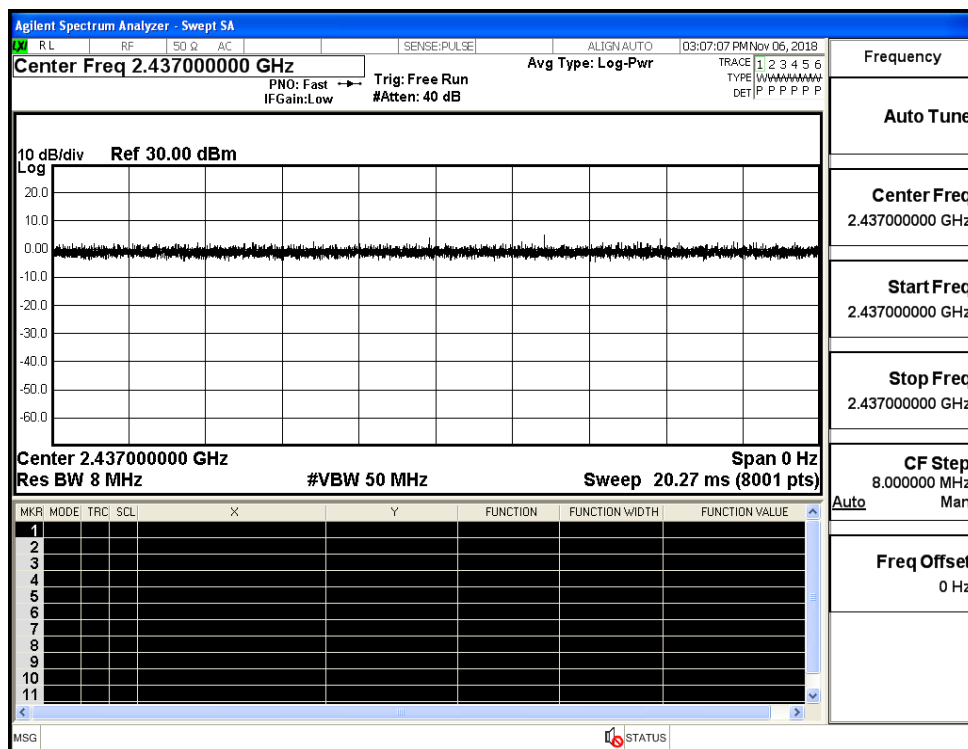
## Duty Cycle\_11G\_2437\_Ant1



## Duty Cycle\_11N20SISO\_2437\_Ant1



## Duty Cycle\_11N40SISO\_2437\_Ant1



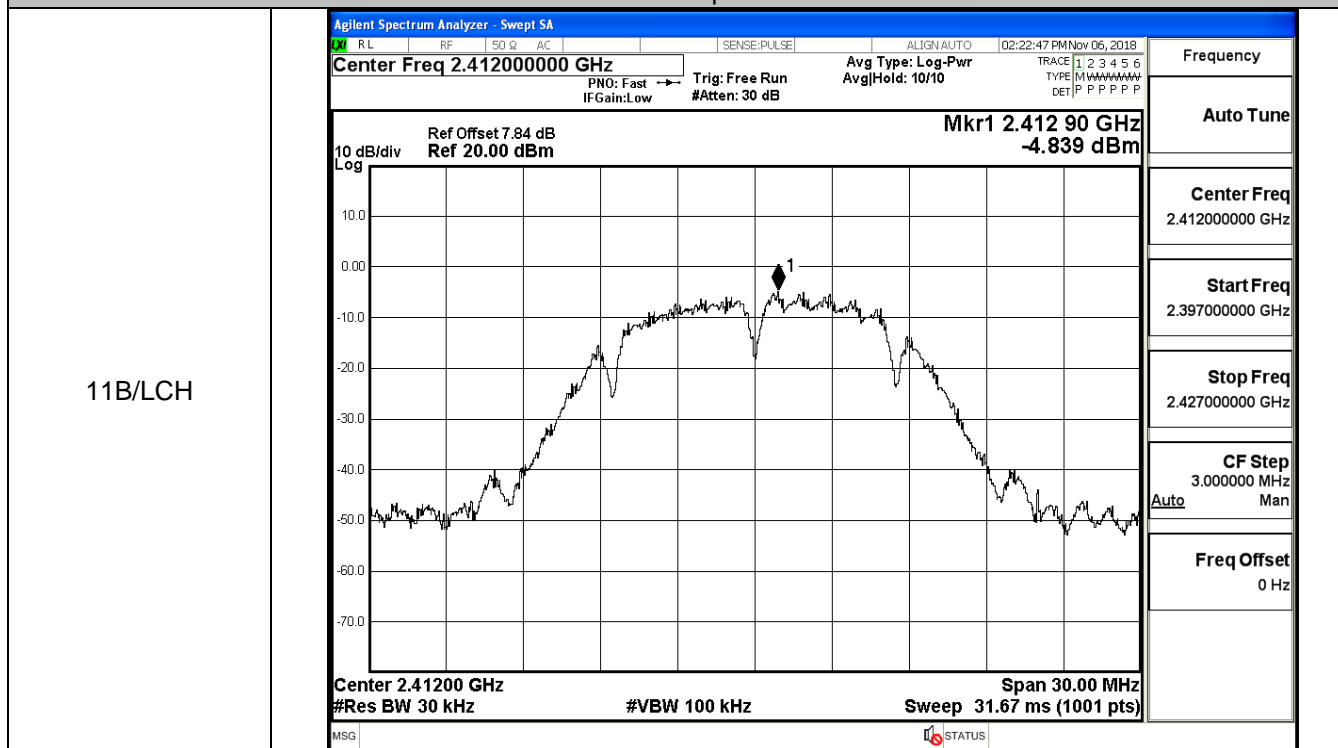
**A.2 Maximum Conducted Output Power**

Mode	Channel	Meas. Peak Level [dBm]	Limit [dBm]	Verdict
11B	LCH	11.36	30	PASS
	MCH	11.45	30	PASS
	HCH	11.61	30	PASS
11G	LCH	13.55	30	PASS
	MCH	13.70	30	PASS
	HCH	15.41	30	PASS
11N20SISO	LCH	12.65	30	PASS
	MCH	12.93	30	PASS
	HCH	13.52	30	PASS
11N40SISO	LCH	11.53	30	PASS
	MCH	12.85	30	PASS
	HCH	12.61	30	PASS

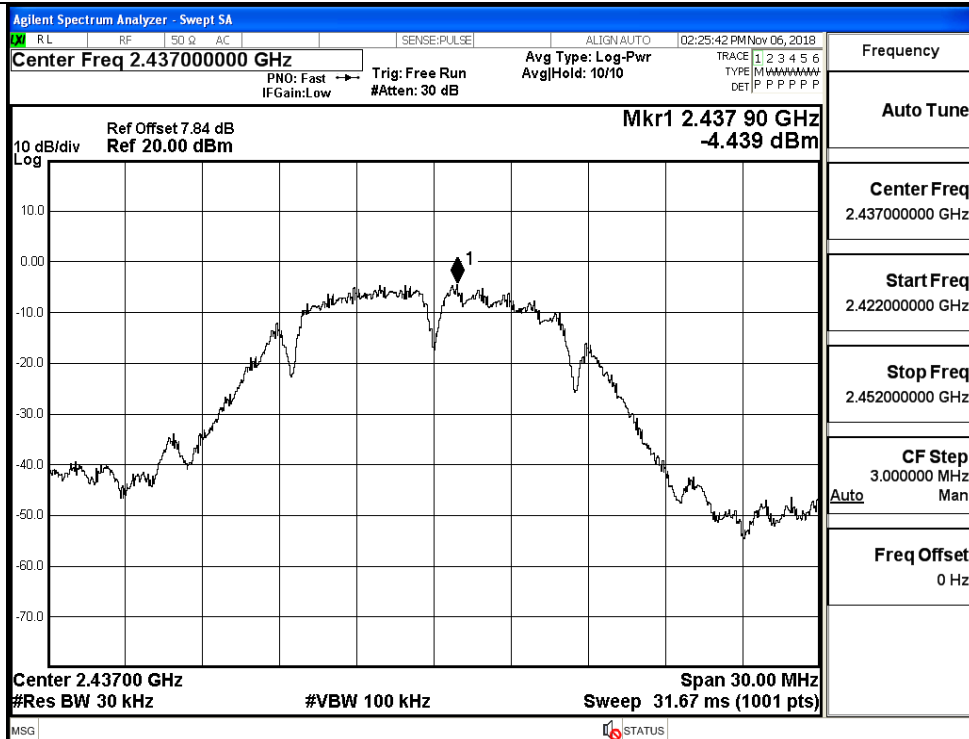
### A.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-4.839	8	PASS
	MCH	-4.439	8	PASS
	HCH	-2.047	8	PASS
11G	LCH	-8.584	8	PASS
	MCH	-8.109	8	PASS
	HCH	-6.374	8	PASS
11N20SISO	LCH	-10.257	8	PASS
	MCH	-9.094	8	PASS
	HCH	-7.986	8	PASS
11N40SISO	LCH	-11.288	8	PASS
	MCH	-11.904	8	PASS
	HCH	-12.133	8	PASS

#### Test Graphs



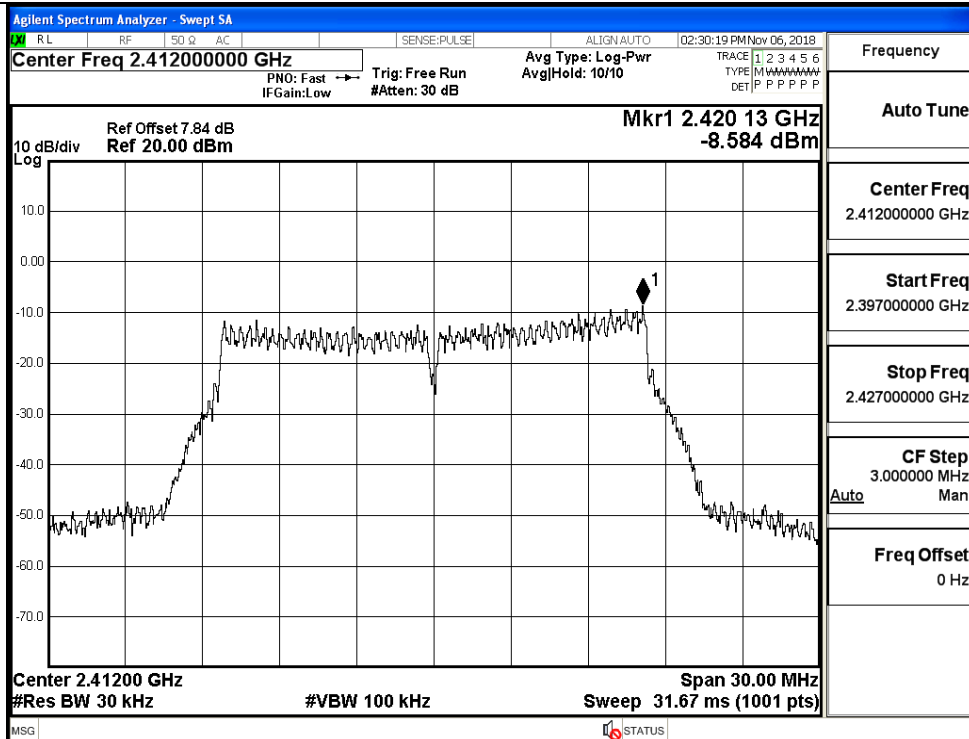
11B/MCH



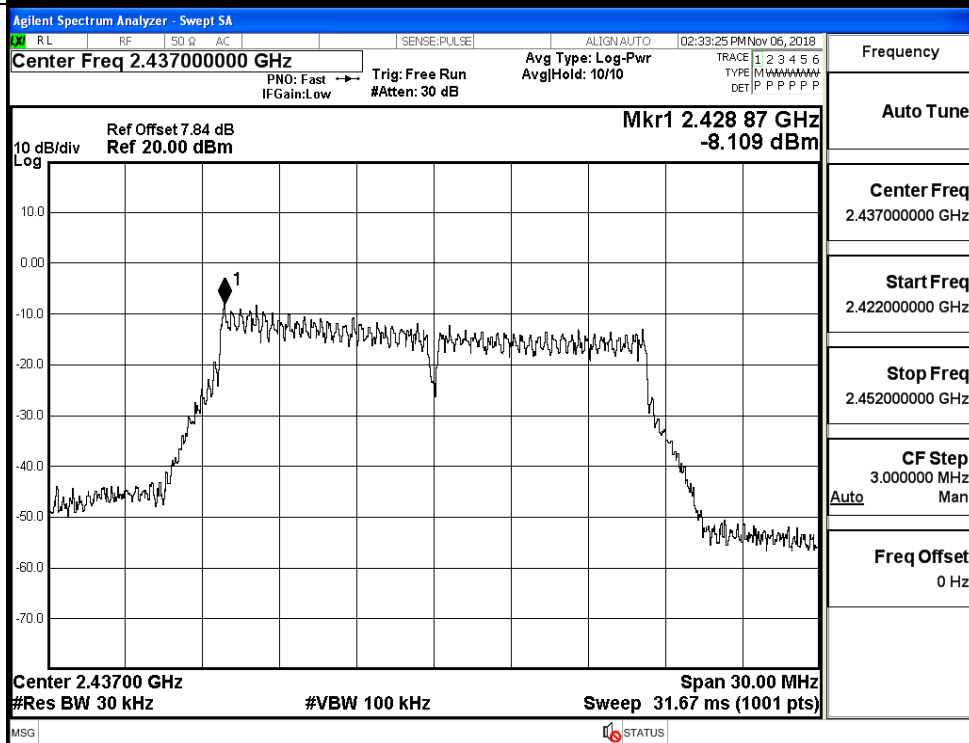
11B/HCH



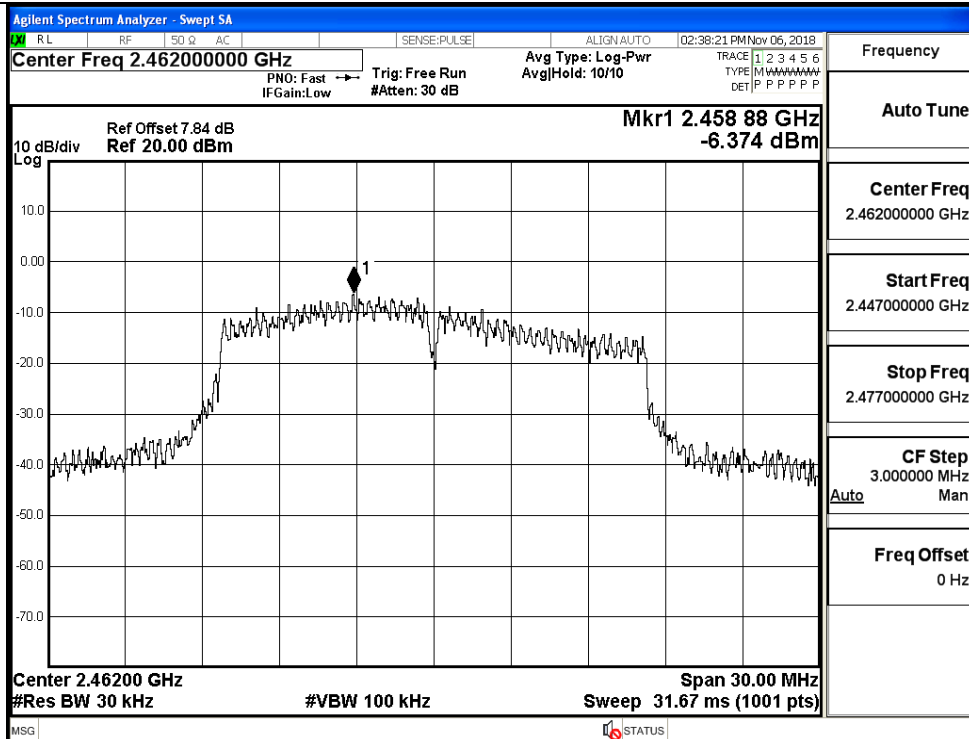
11G/LCH



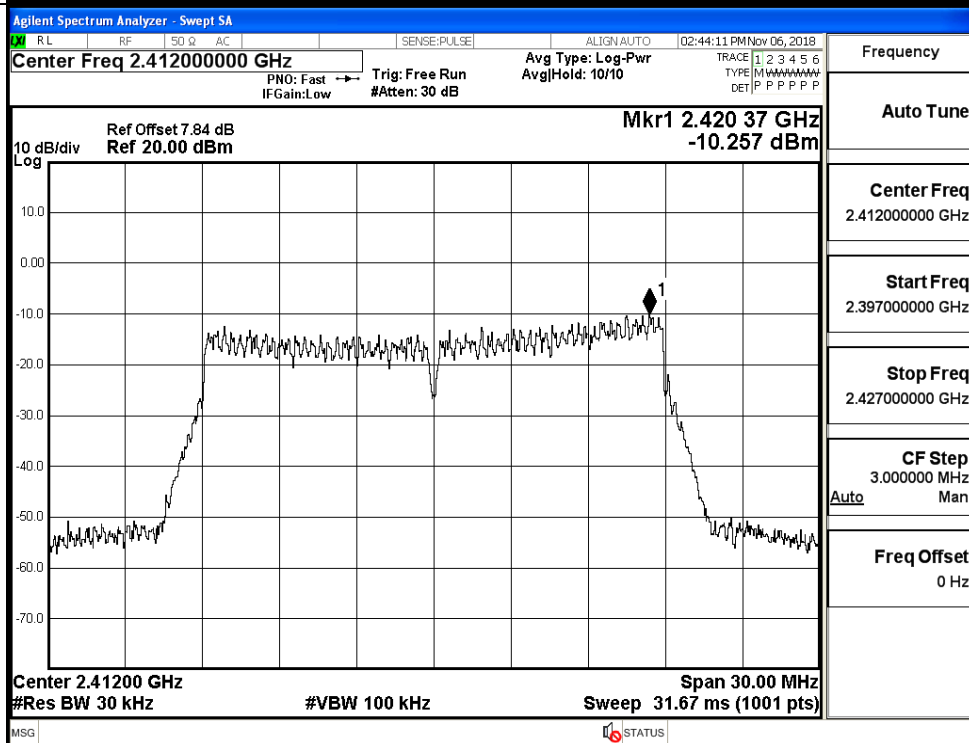
11G/MCH



11G/HCH

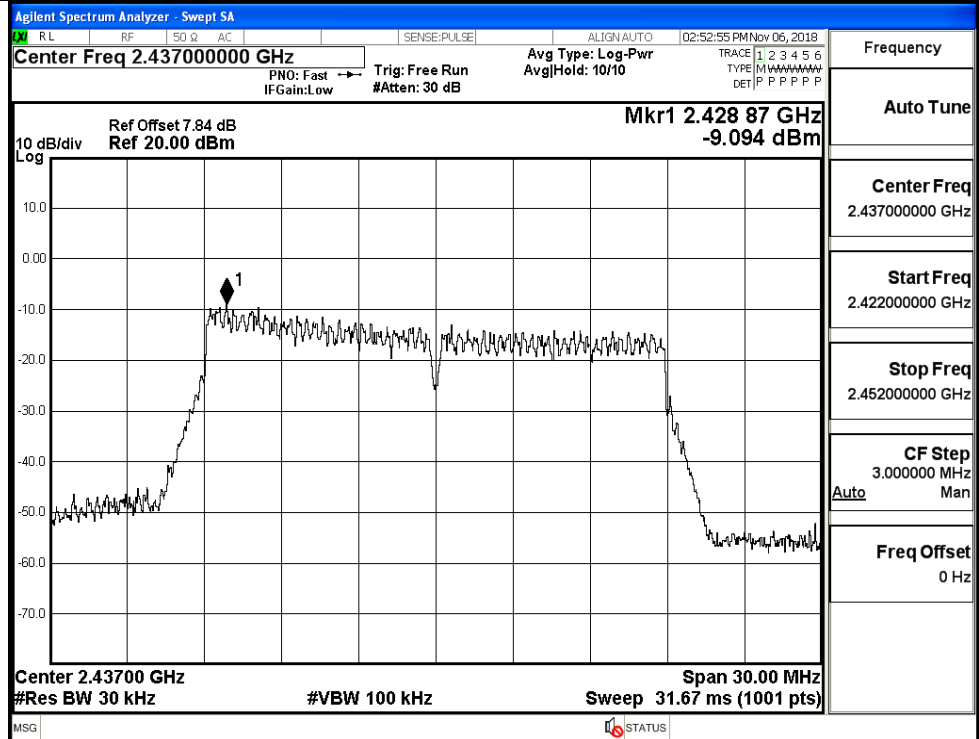


11N20SISO/LCH

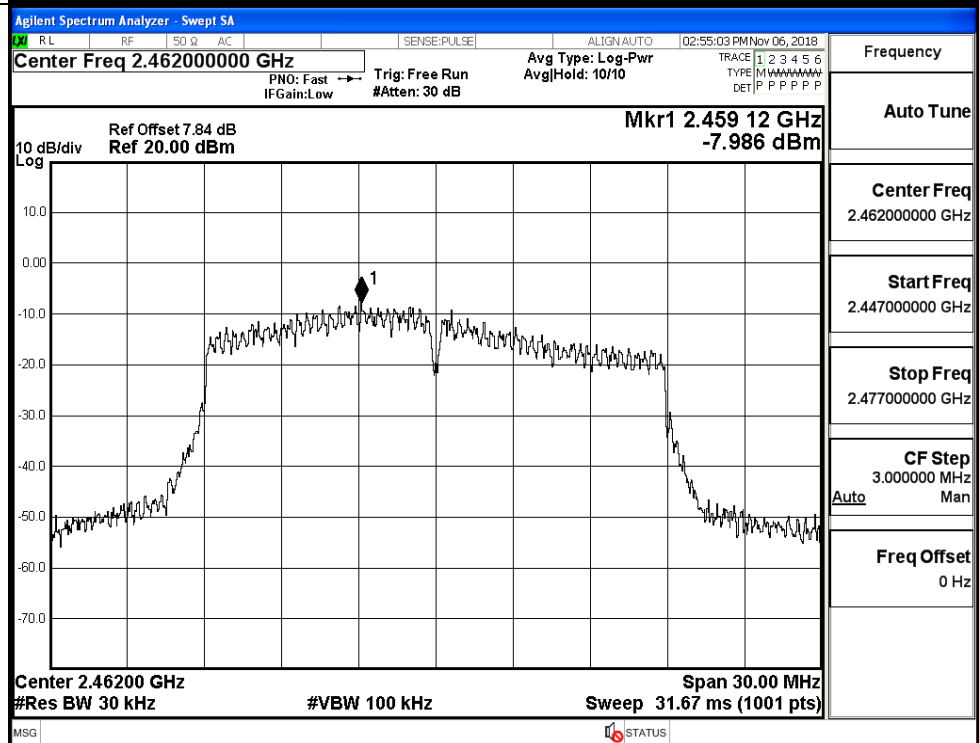




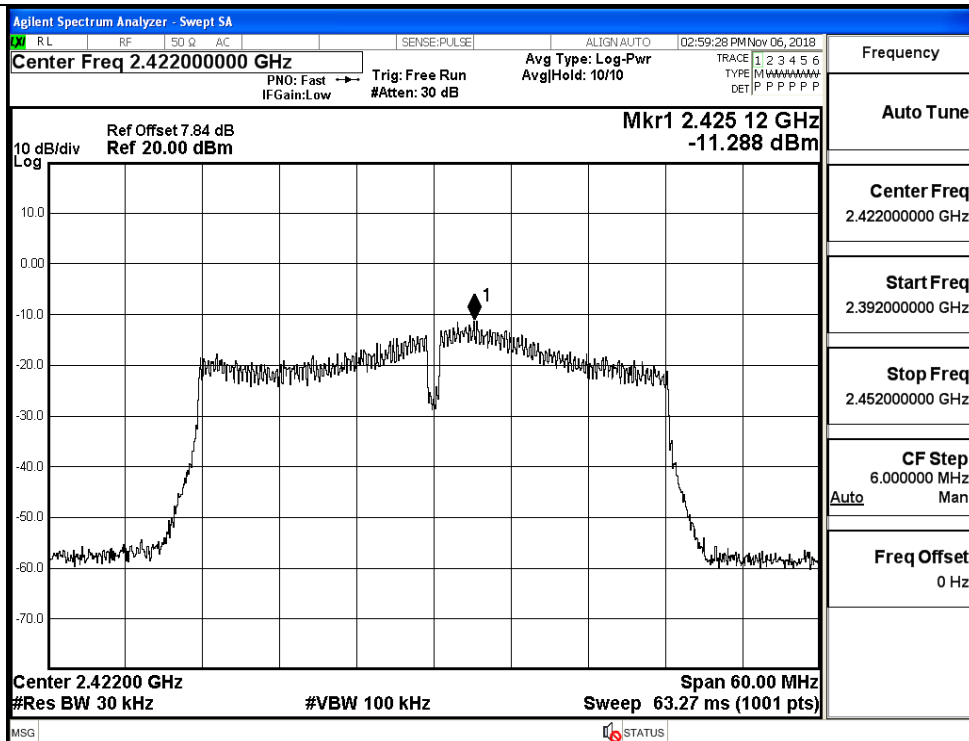
11N20SISO/MCH



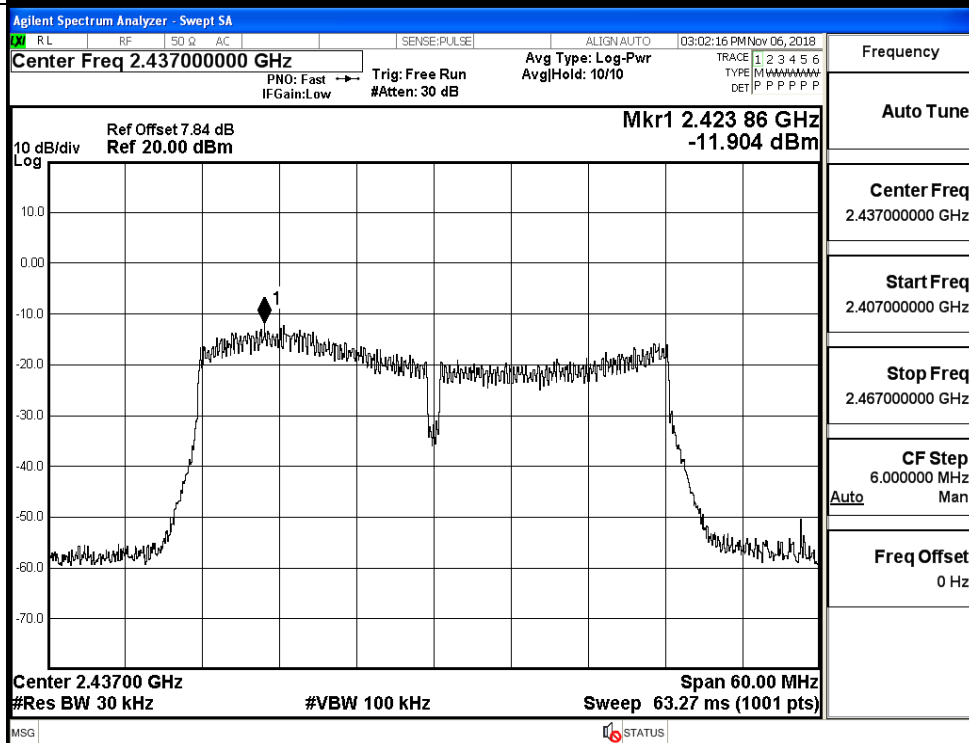
11N20SISO/HCH



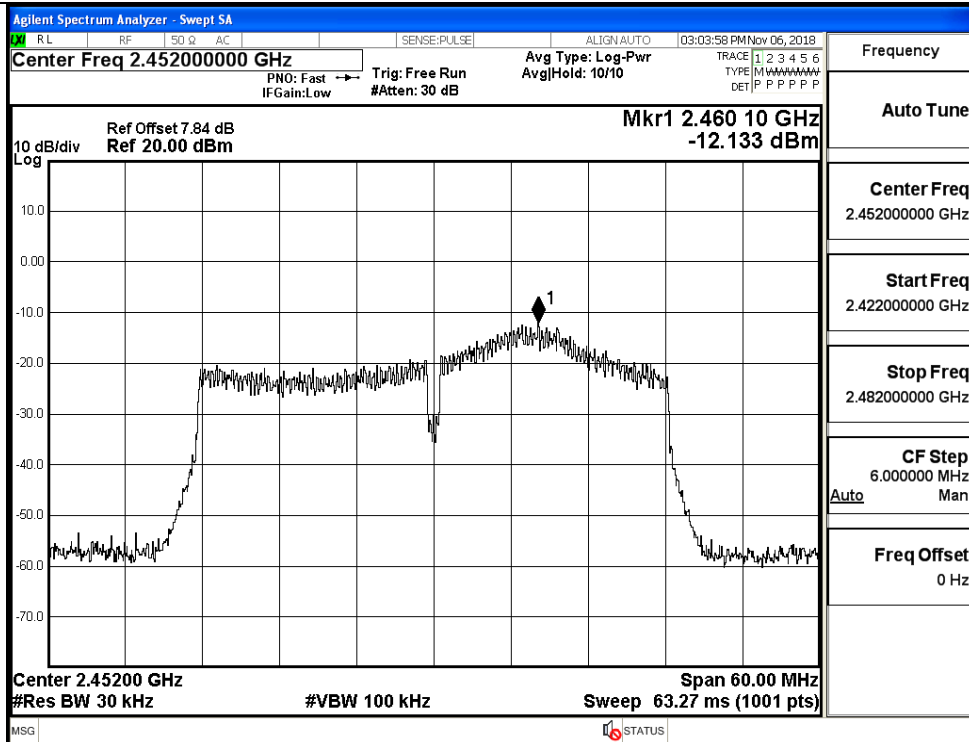
11N40SISO/LCH



11N40SISO/MCH



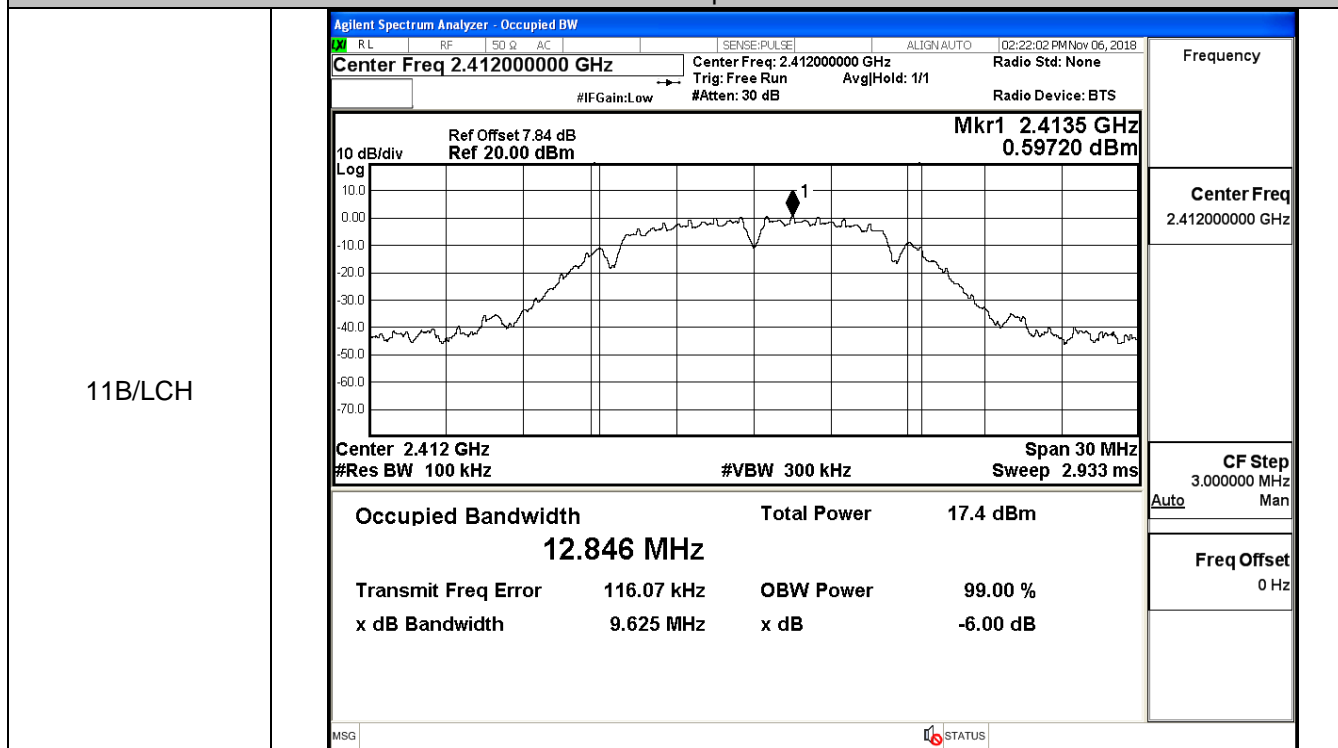
11N40SISO/HCH



## A.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.625	$\geq 0.5$	PASS
	MCH	9.599	$\geq 0.5$	PASS
	HCH	9.577	$\geq 0.5$	PASS
11G	LCH	16.57	$\geq 0.5$	PASS
	MCH	16.50	$\geq 0.5$	PASS
	HCH	16.58	$\geq 0.5$	PASS
11N20SISO	LCH	17.77	$\geq 0.5$	PASS
	MCH	17.37	$\geq 0.5$	PASS
	HCH	17.30	$\geq 0.5$	PASS
11N40SISO	LCH	36.83	$\geq 0.5$	PASS
	MCH	36.37	$\geq 0.5$	PASS
	HCH	36.59	$\geq 0.5$	PASS

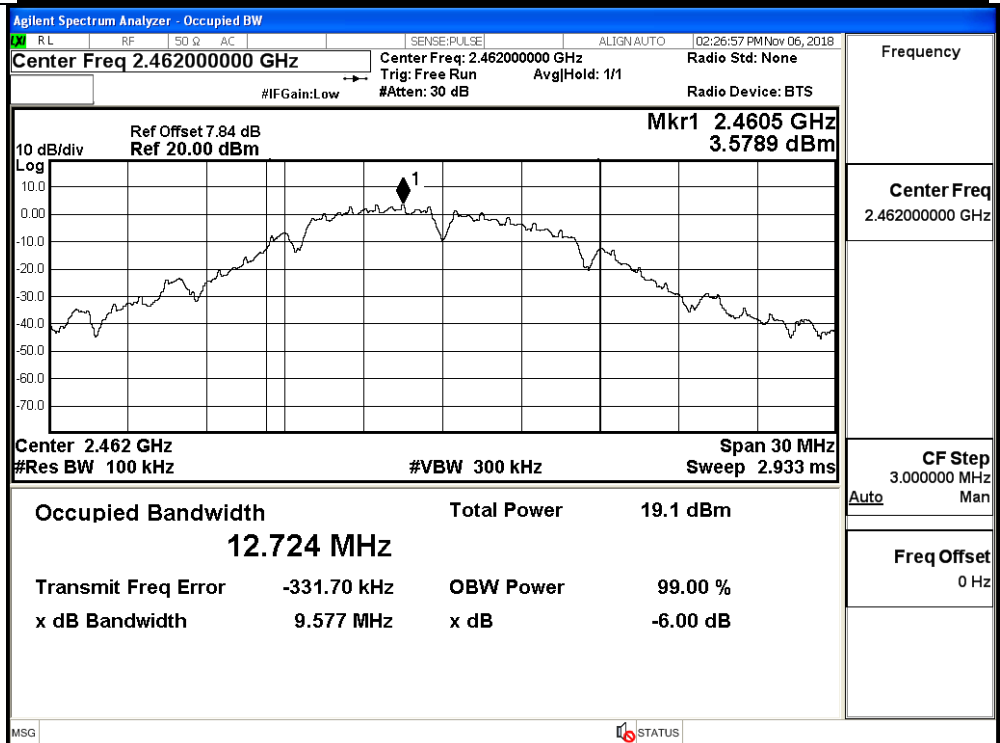
## Test Graphs



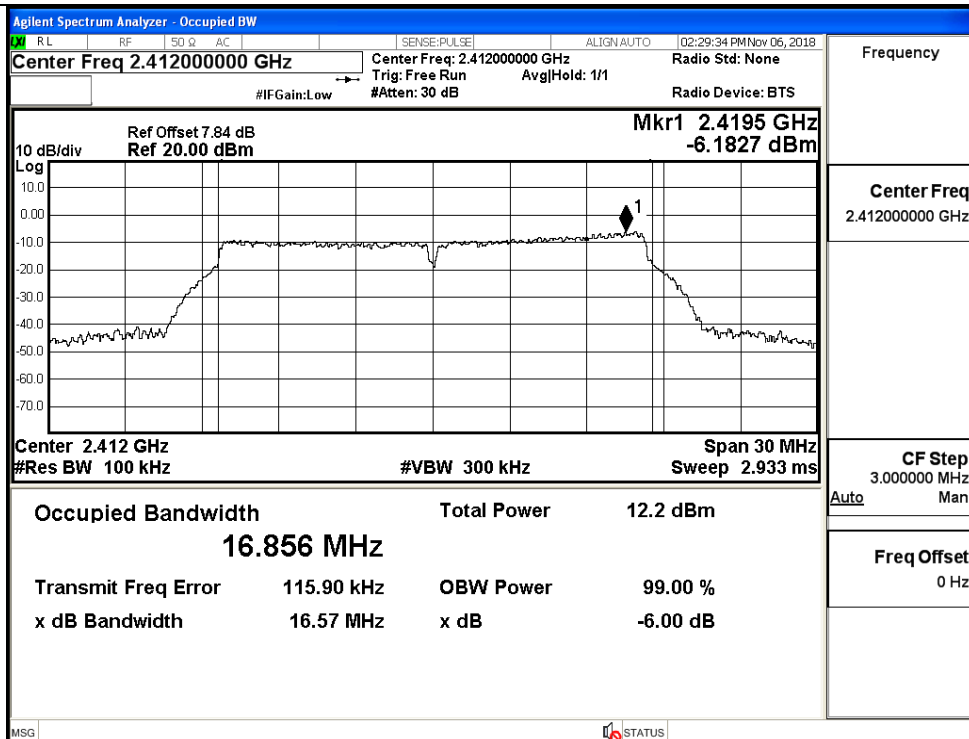
11B/MCH



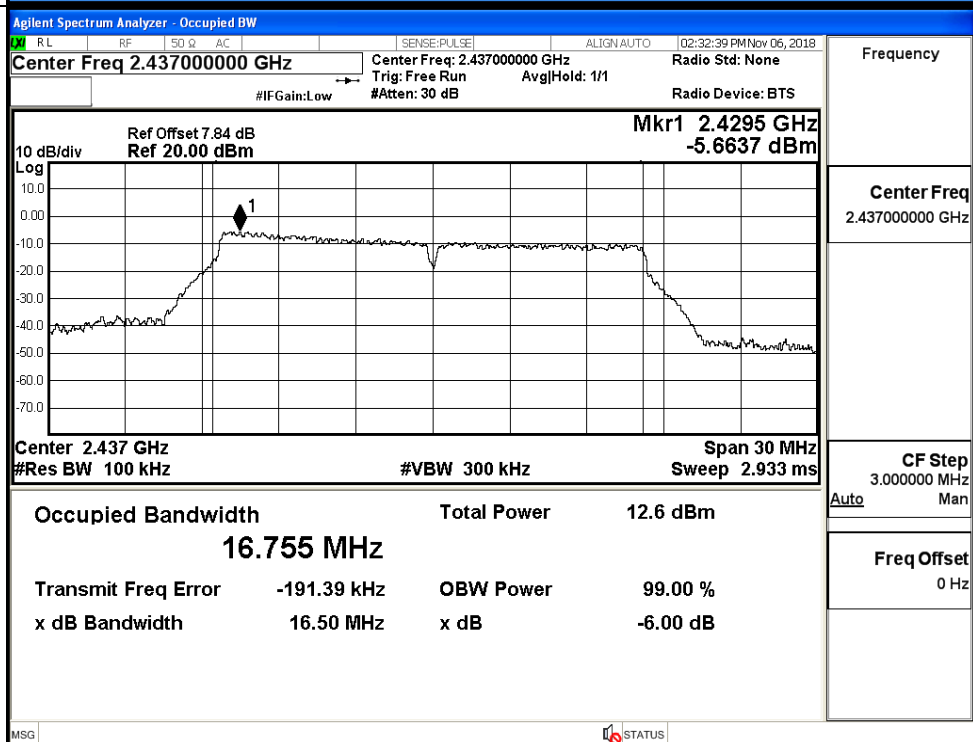
11B/HCH



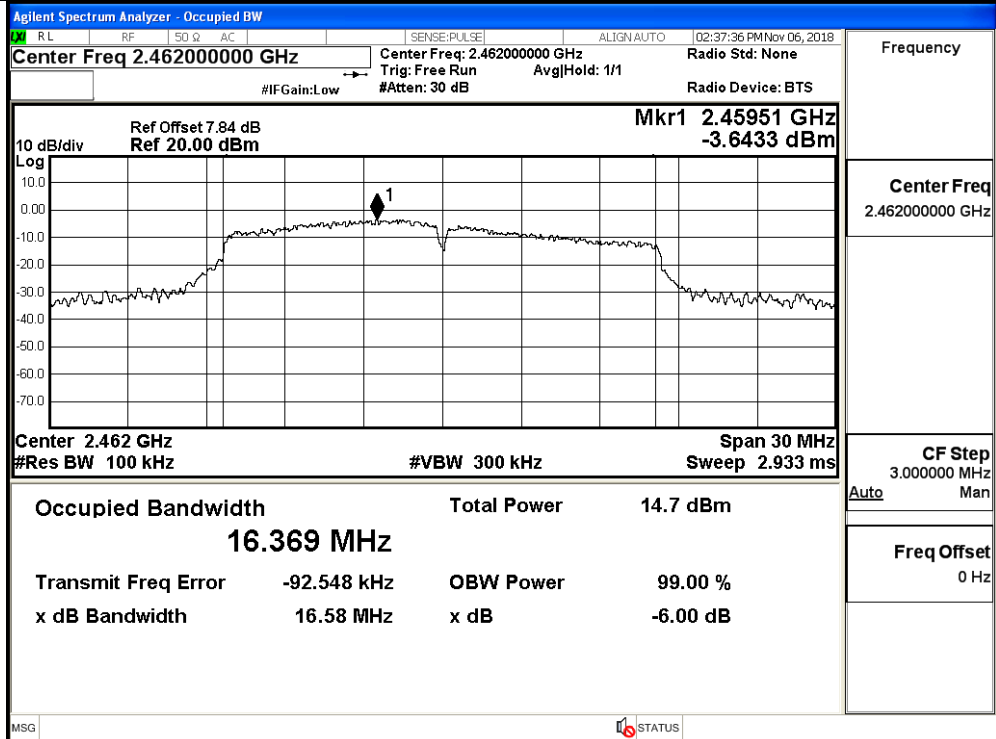
11G/LCH



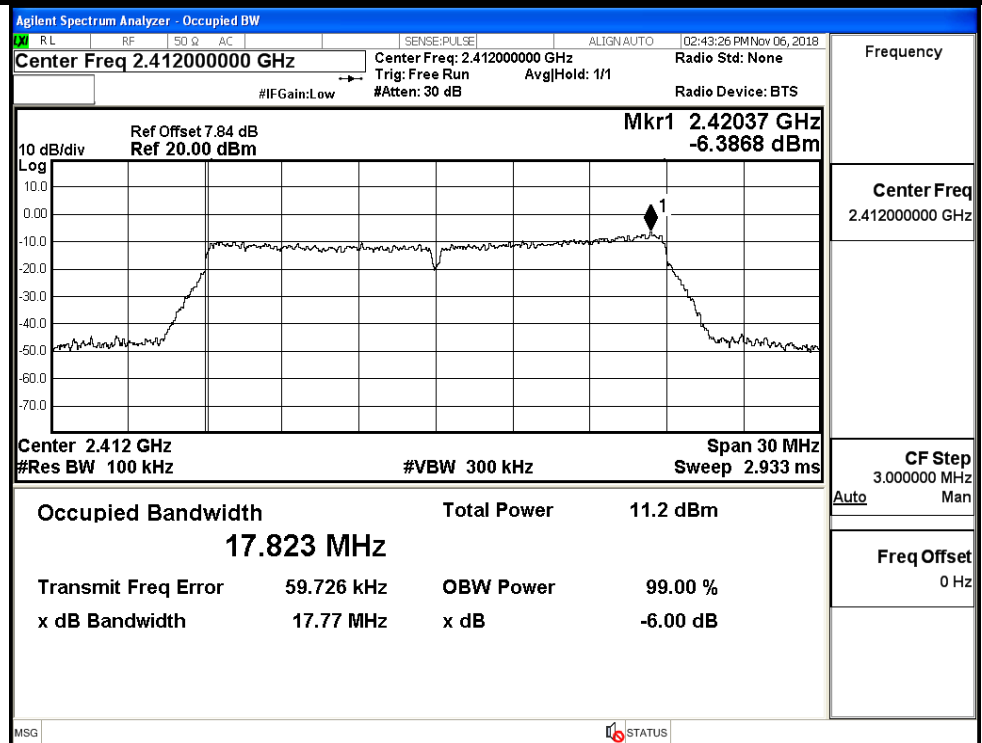
11G/MCH



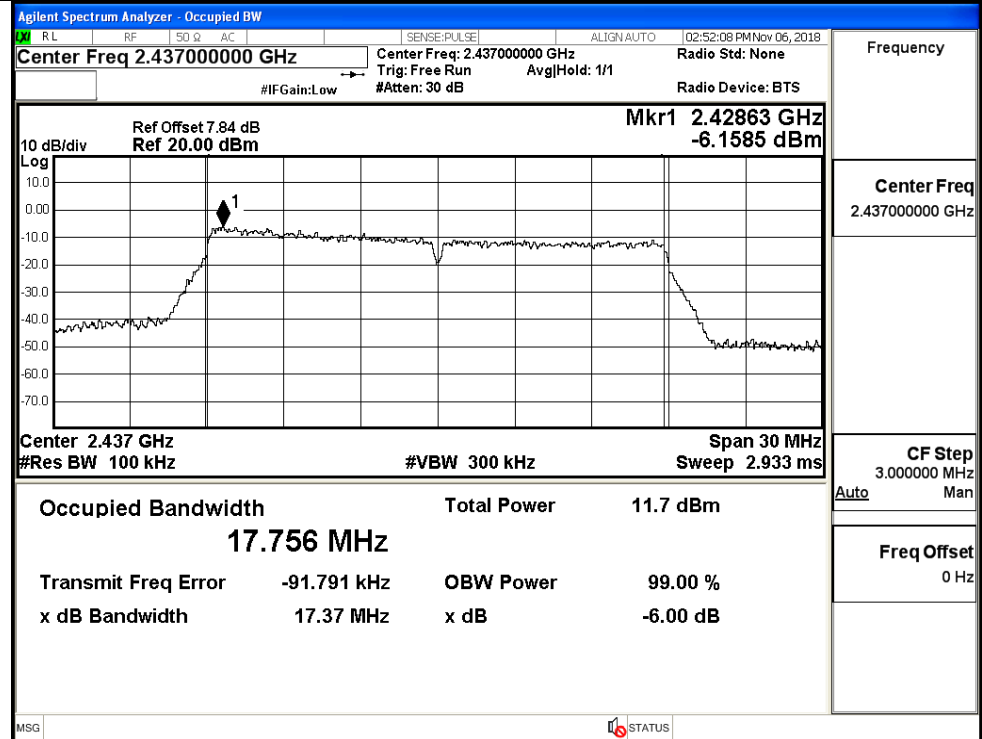
11G/HCH



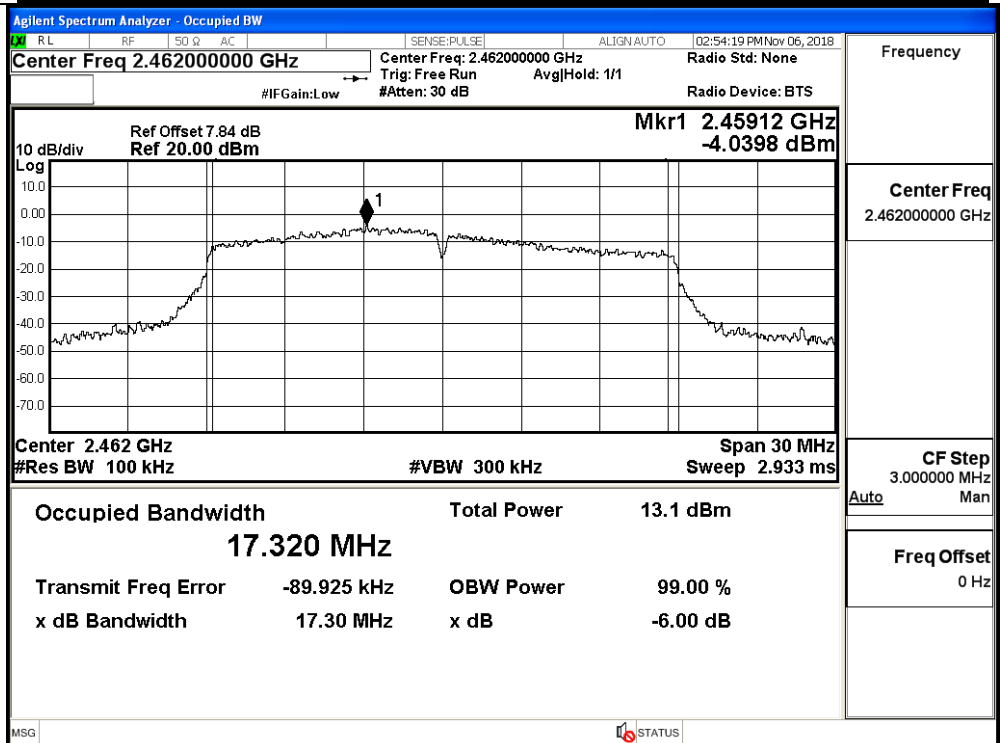
11N20SISO/LCH



11N20SISO/MCH

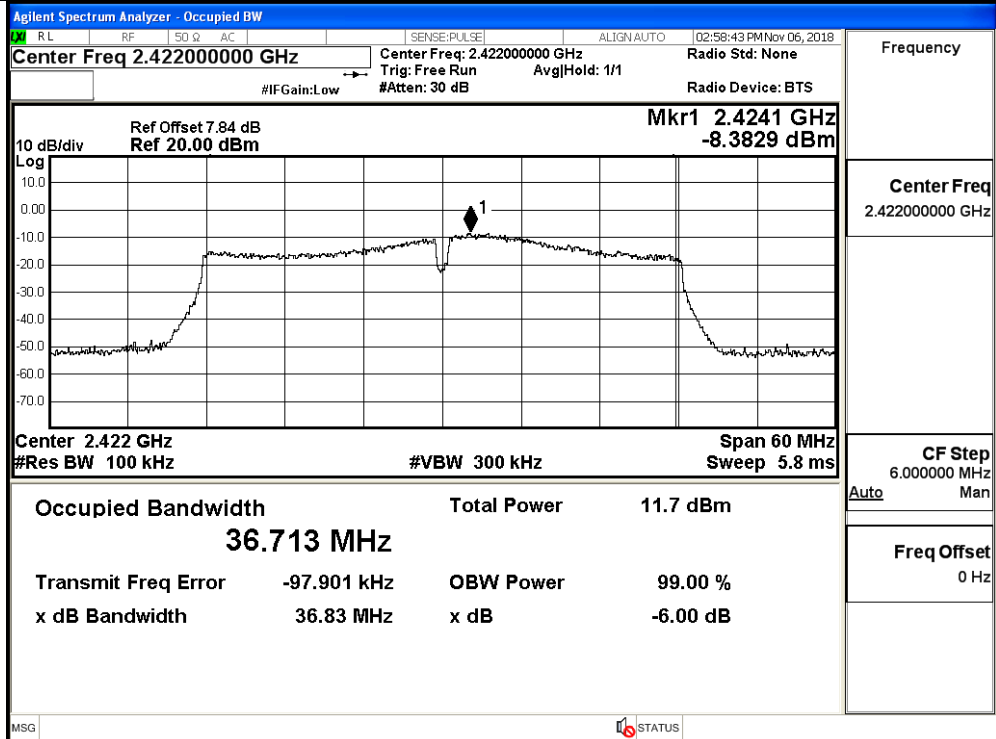


11N20SISO/HCH





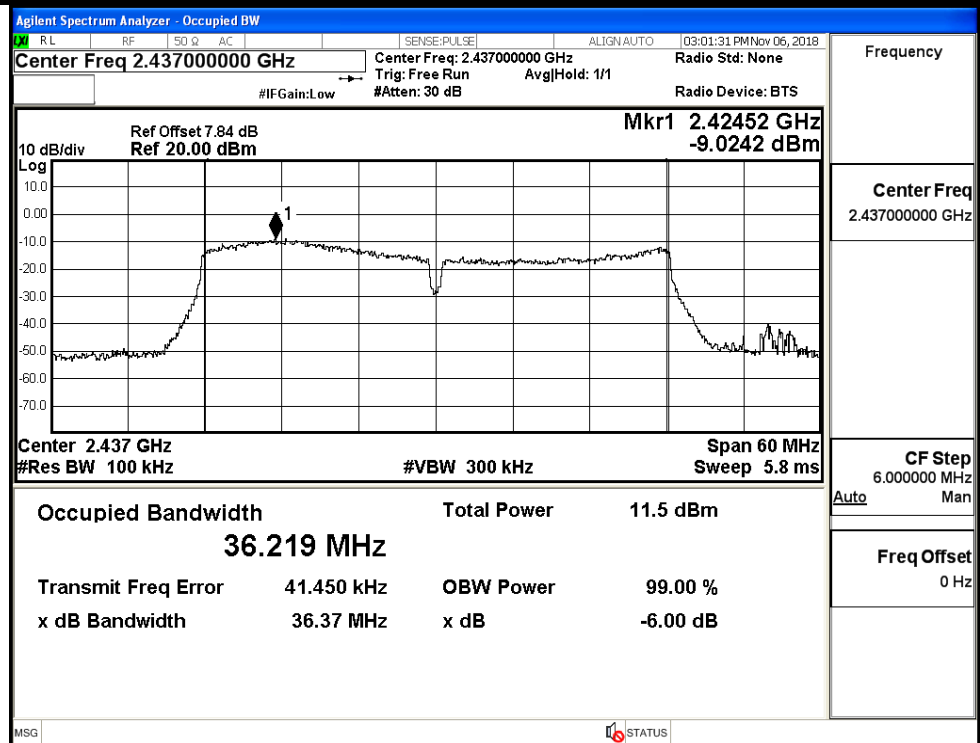
11N40SISO/LCH



Frequency

Center Freq  
2.422000000 GHzCF Step  
6.000000 MHz  
Auto ManFreq Offset  
0 Hz

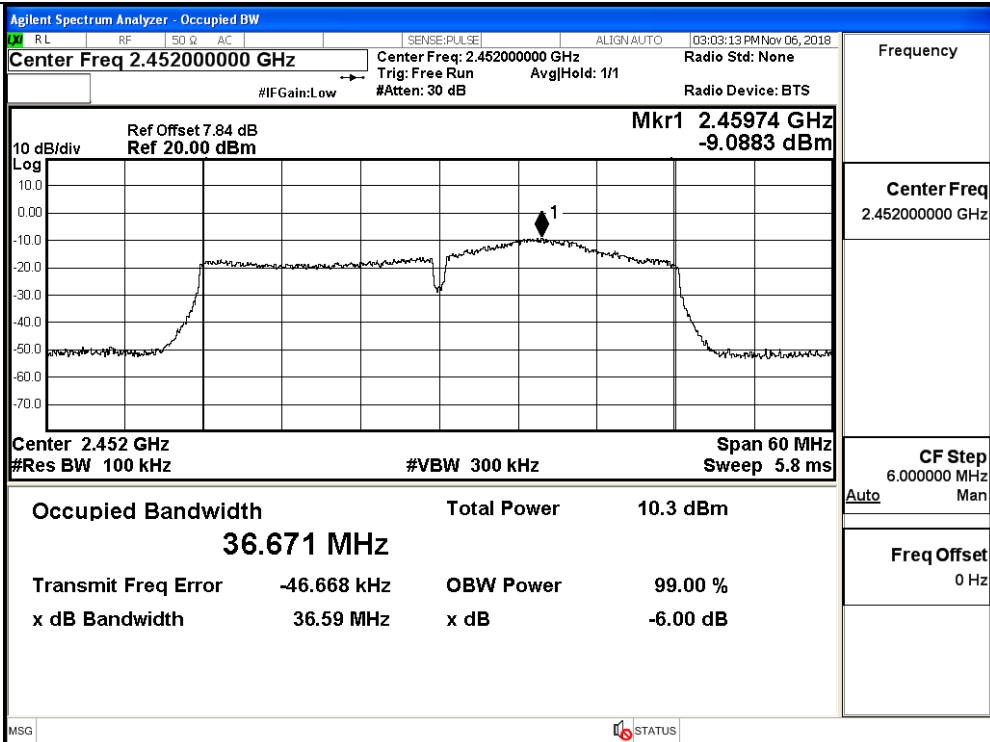
11N40SISO/MCH



Frequency

Center Freq  
2.437000000 GHzCF Step  
6.000000 MHz  
Auto ManFreq Offset  
0 Hz

11N40SISO/HCH

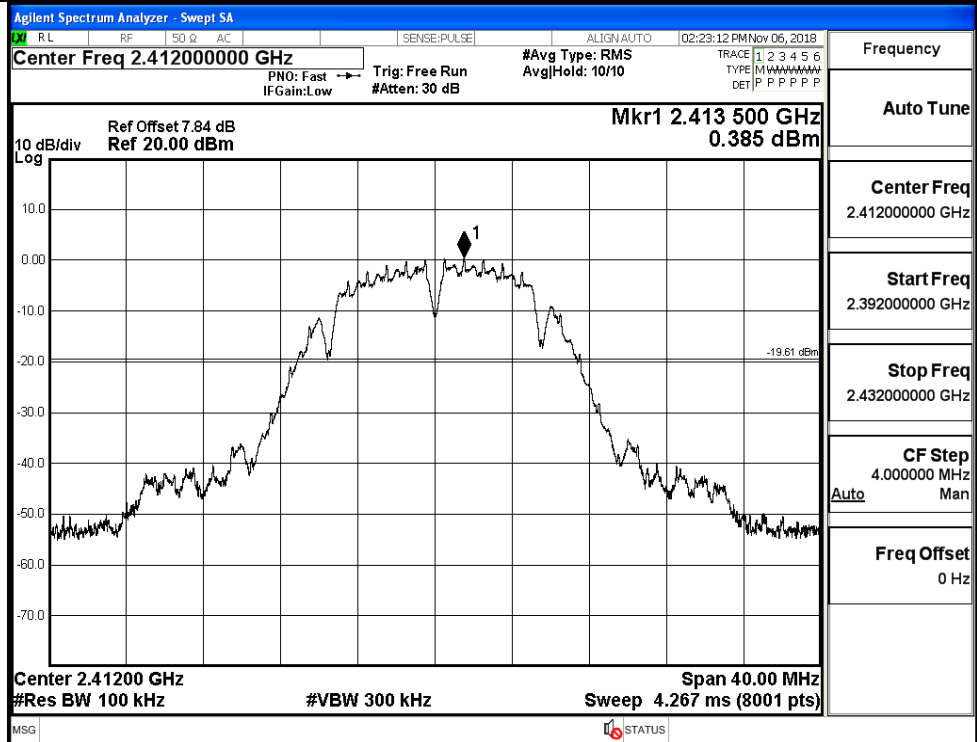


**A.5 RF Conducted Spurious Emissions**

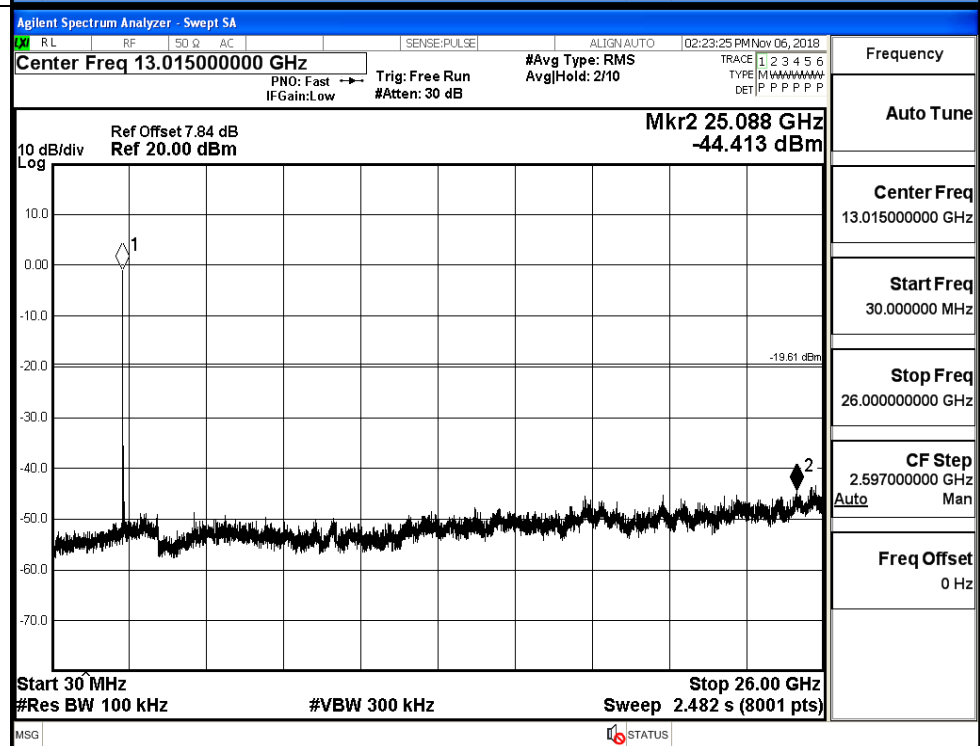
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	0.385	-44.413	-19.615	PASS
	MCH	1.327	-43.585	-18.673	PASS
	HCH	3.472	-44.196	-16.528	PASS
11G	LCH	-6.216	-44.203	-26.216	PASS
	MCH	-5.94	-44.389	-25.940	PASS
	HCH	-3.629	-43.153	-23.629	PASS
11N20 SISO	LCH	-7.016	-44.672	-27.016	PASS
	MCH	-6.499	-43.542	-26.499	PASS
	HCH	-4.16	-44.985	-24.160	PASS
11N40 SISO	LCH	-8.417	-44.588	-28.417	PASS
	MCH	-9.232	-43.717	-29.232	PASS
	HCH	-9.603	-44.215	-29.603	PASS

## 11B\_LCH\_Graphs

Pref/11B/LCH

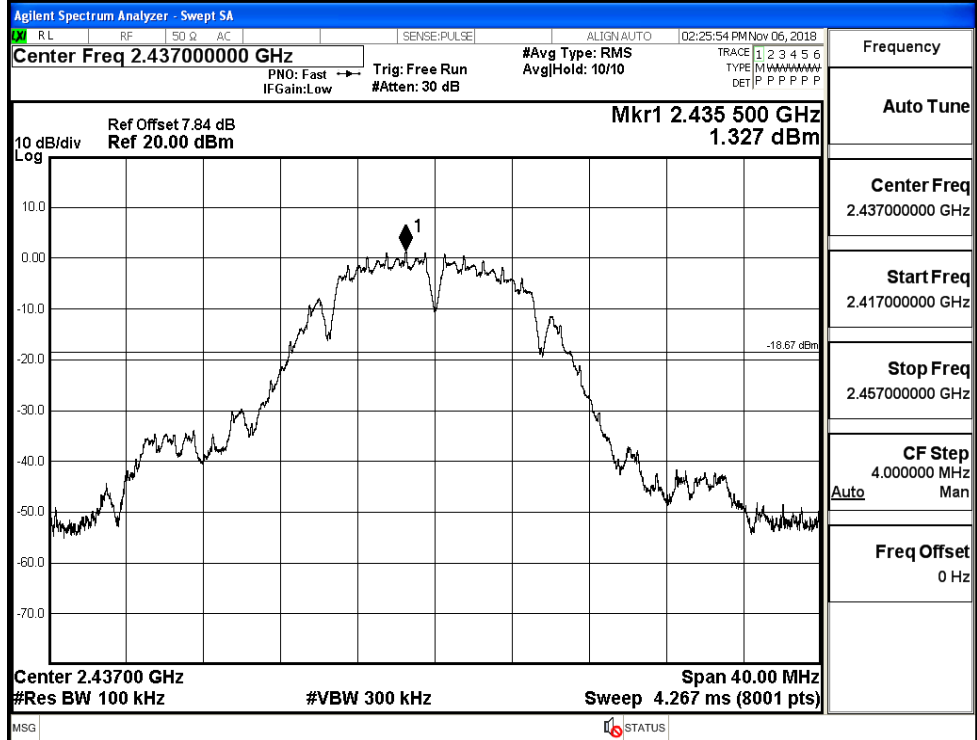


Puw/11B/LCH

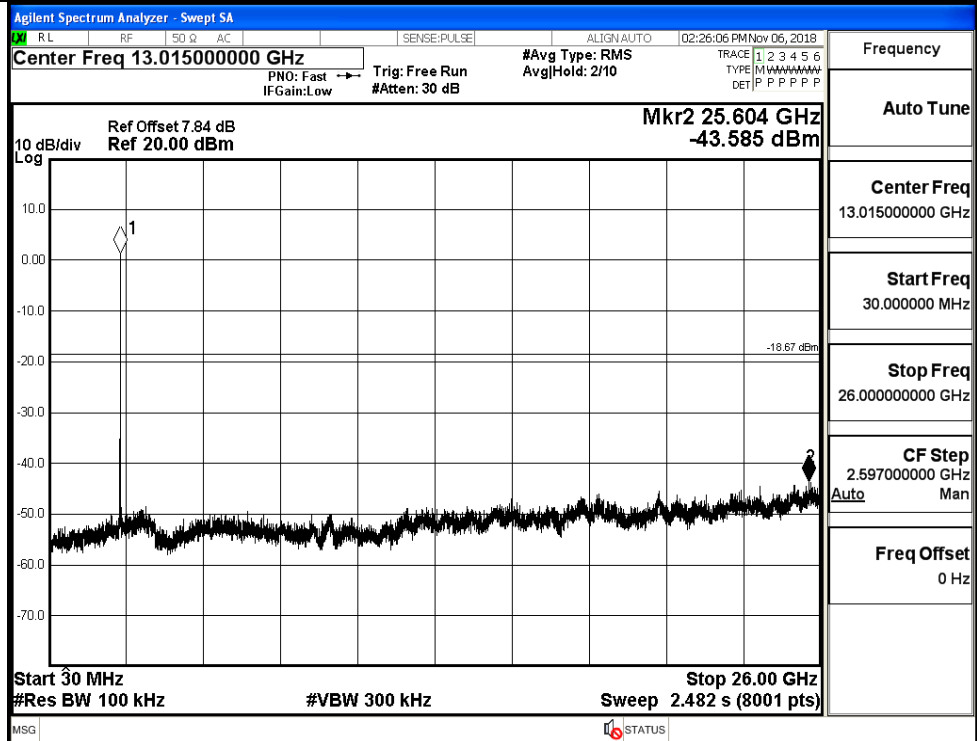


## 11B\_MCH\_Graphs

Pref/11B/MCH

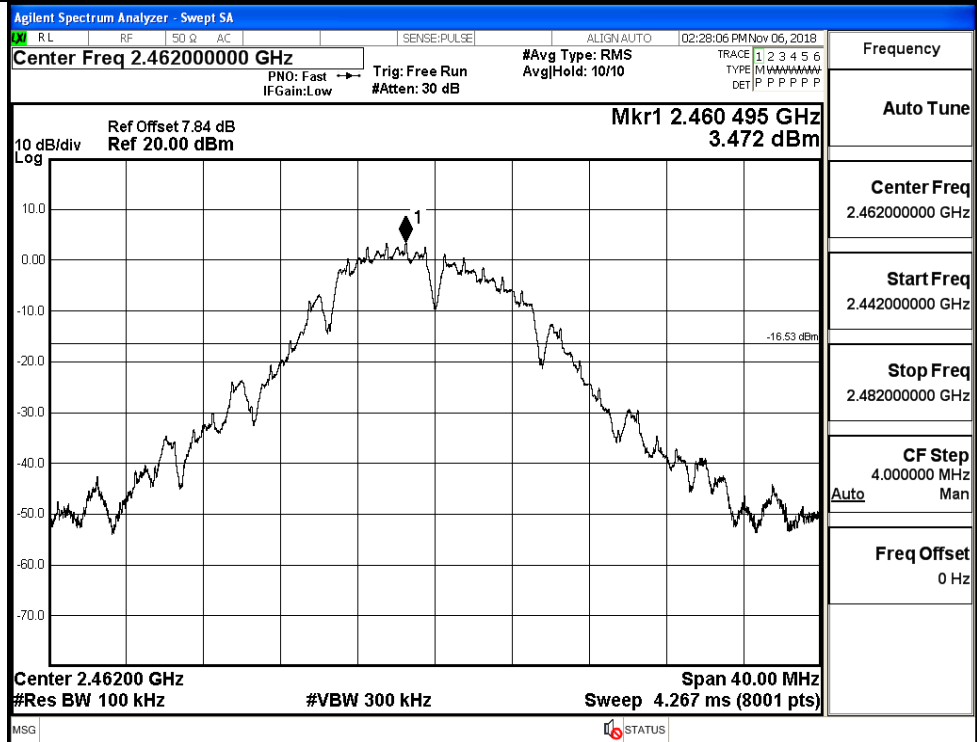


Puw/11B/MCH

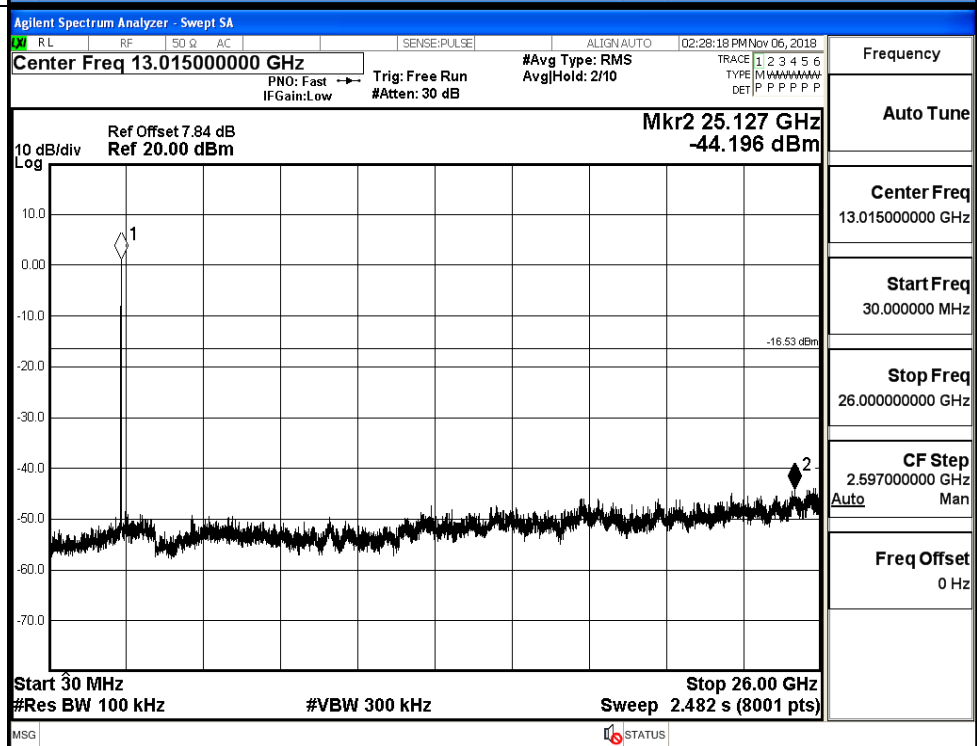


## 11B\_HCH\_Graphs

Pref/11B/HCH

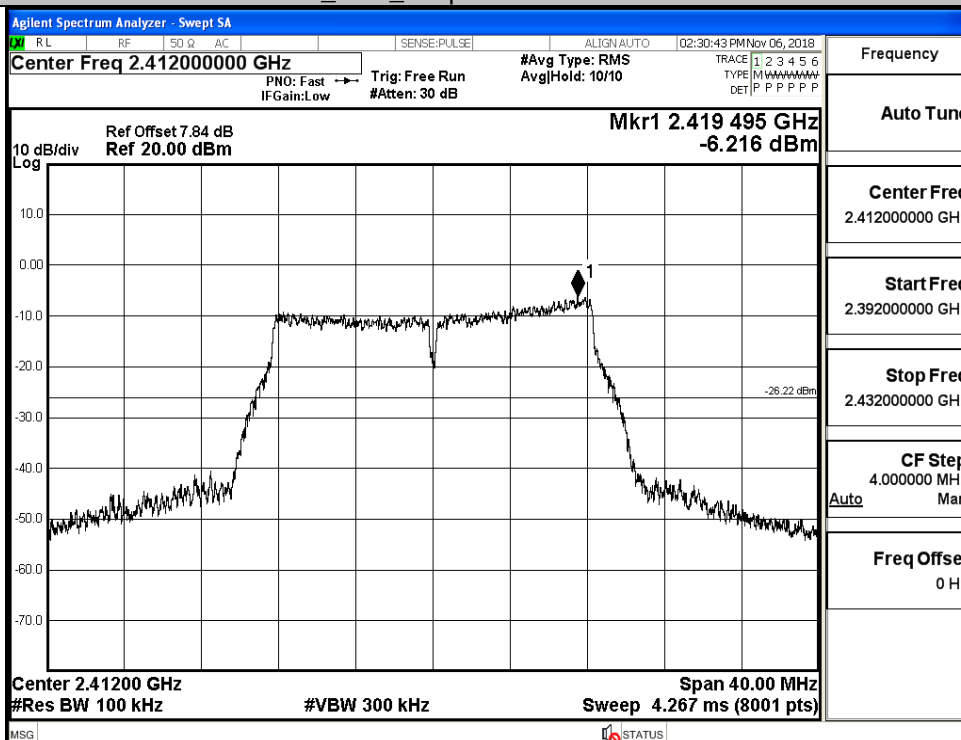


Puw/11B/HCH

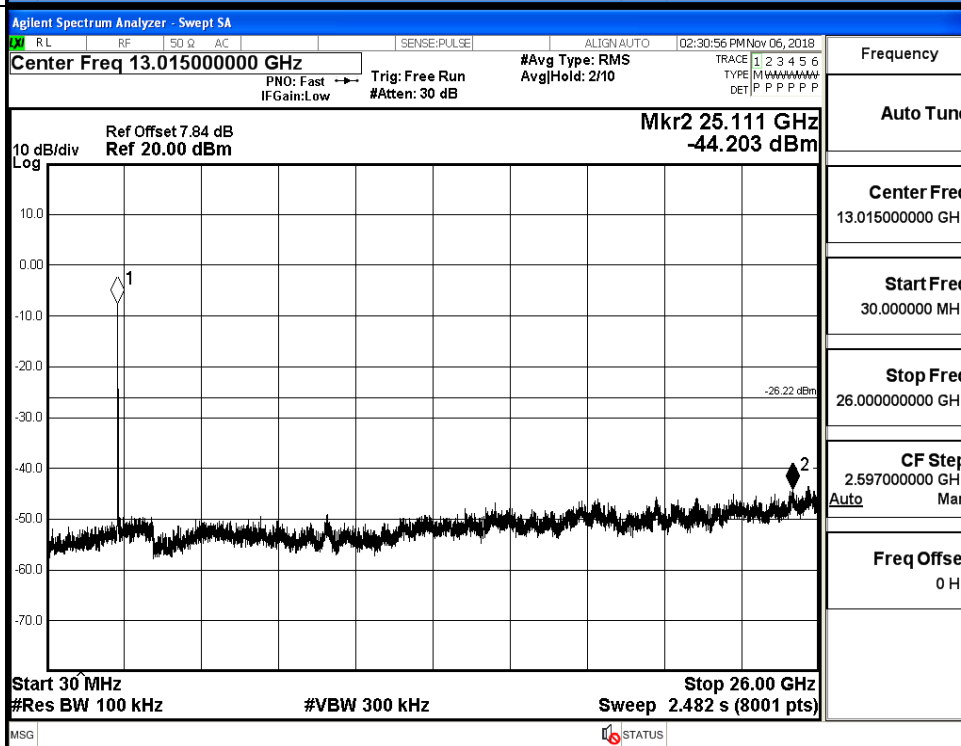


## 11G\_LCH\_Graphs

Pref/11G/LCH

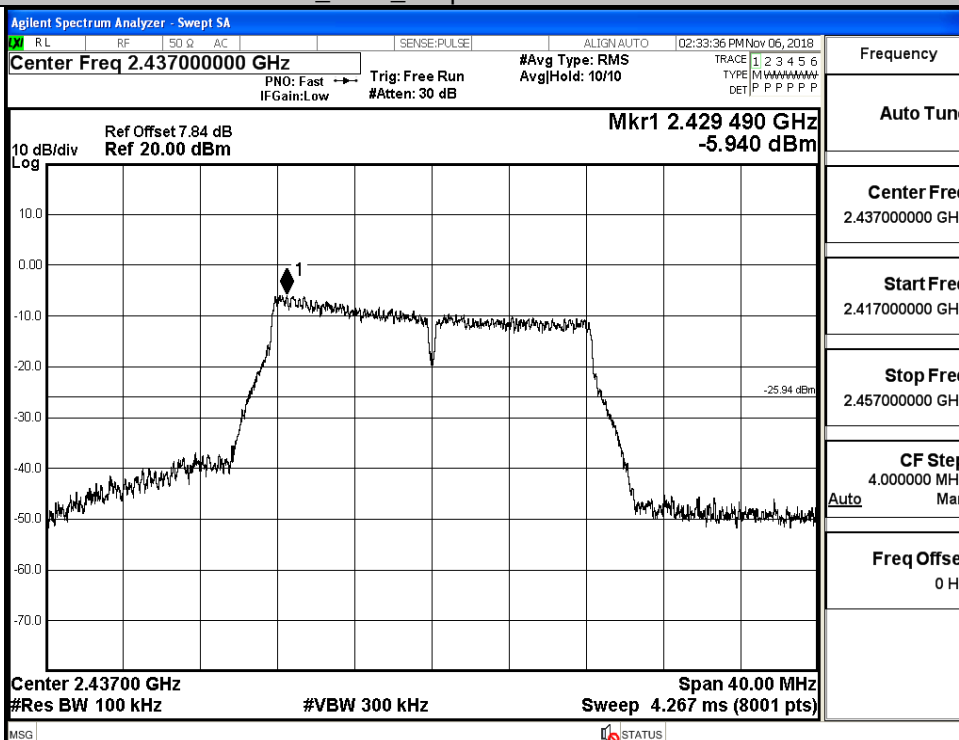


Puw/11G/LCH

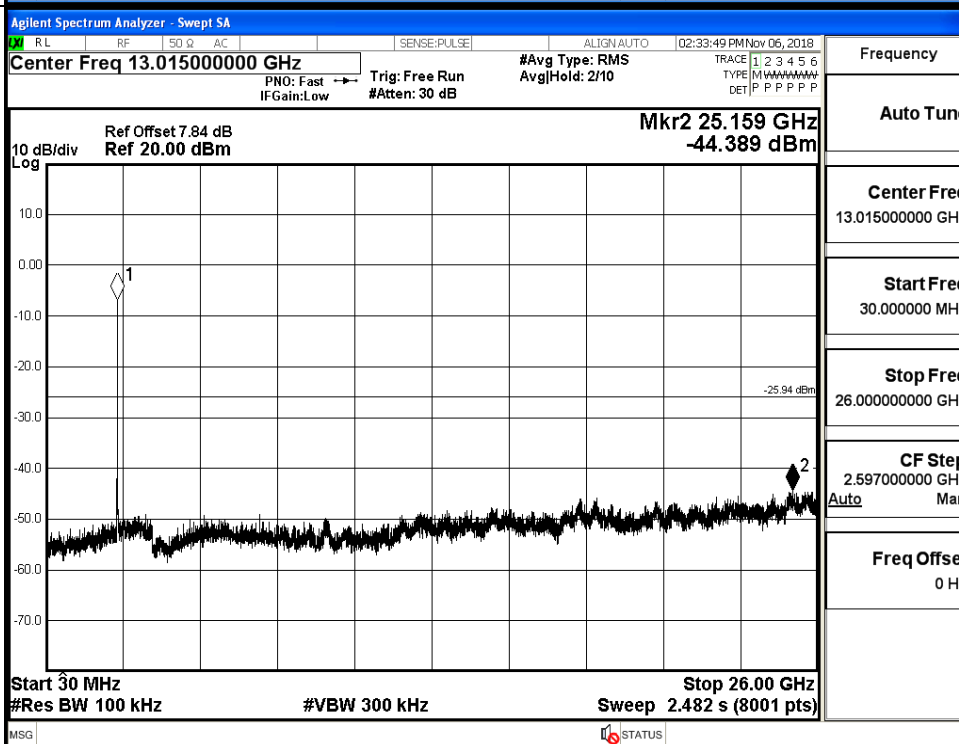


## 11G\_MCH\_Graphs

Pref/11G/MCH



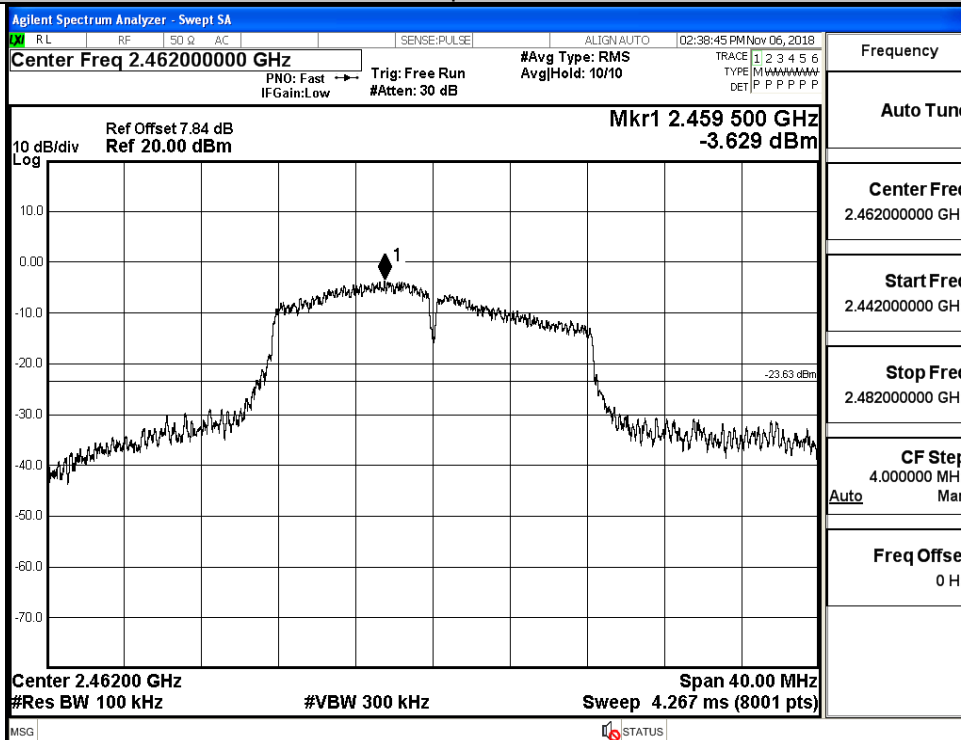
Puw/11G/MCH



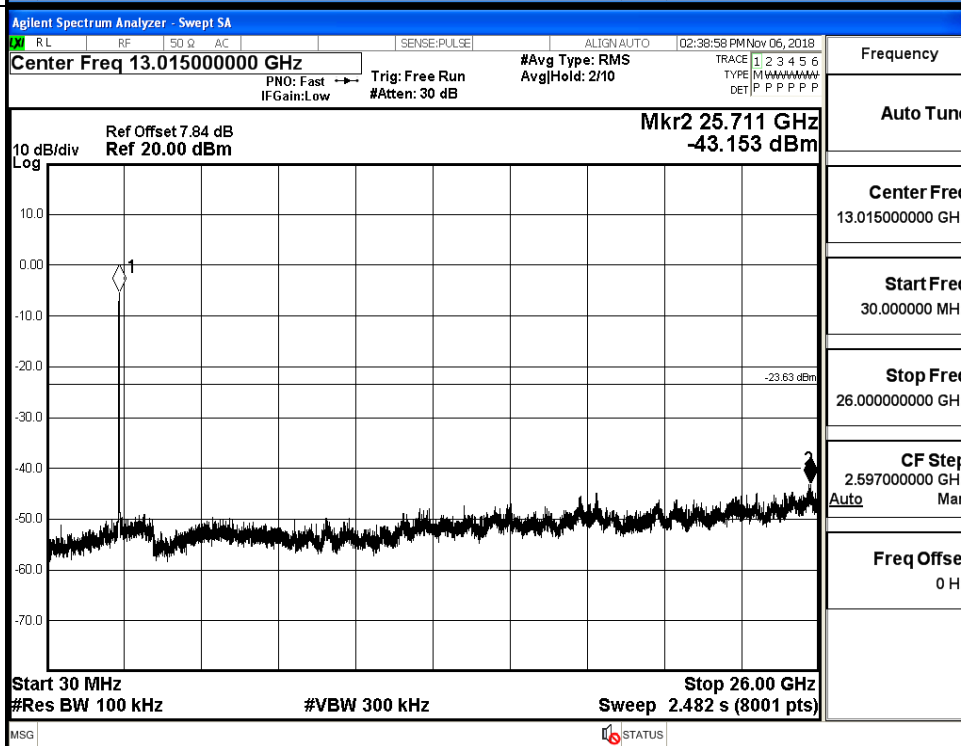


## 11G\_HCH\_Graphs

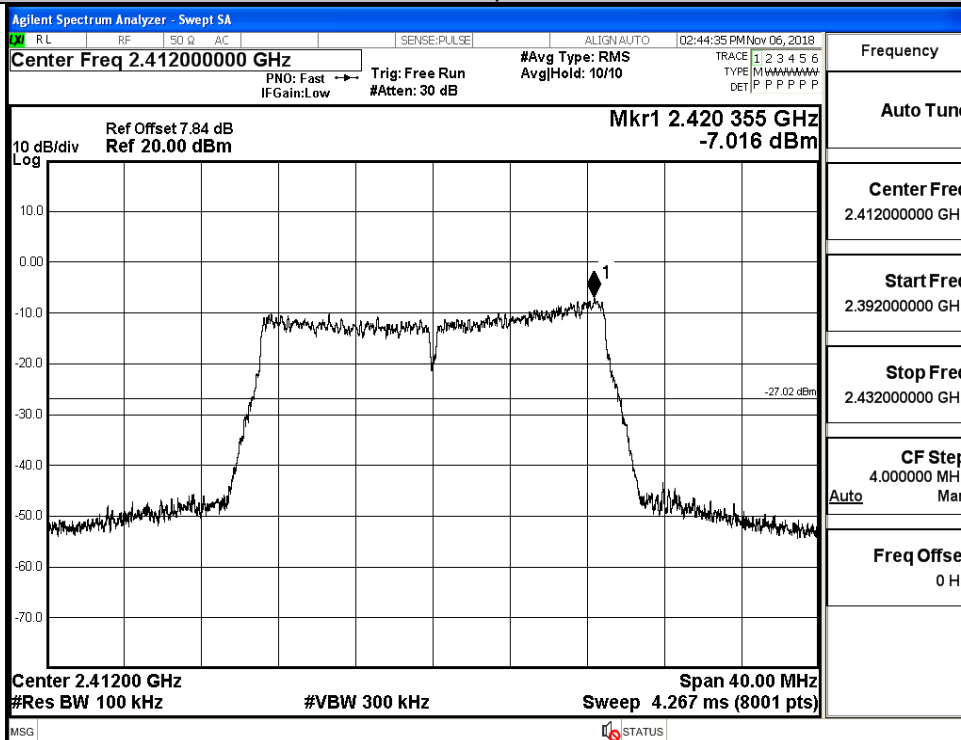
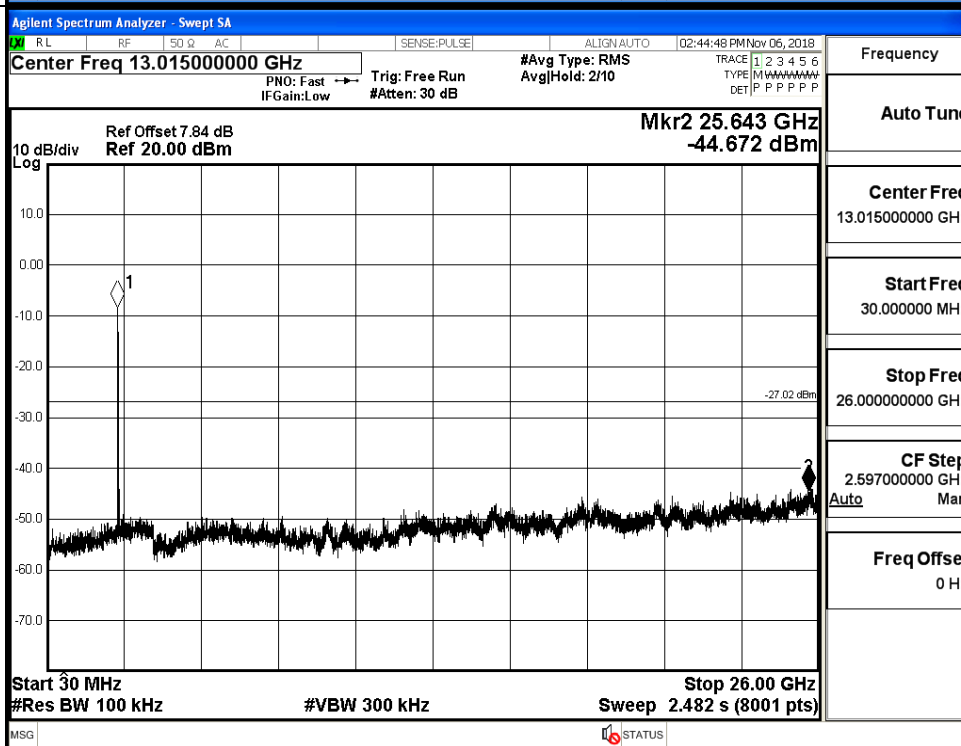
Pref/11G/HCH



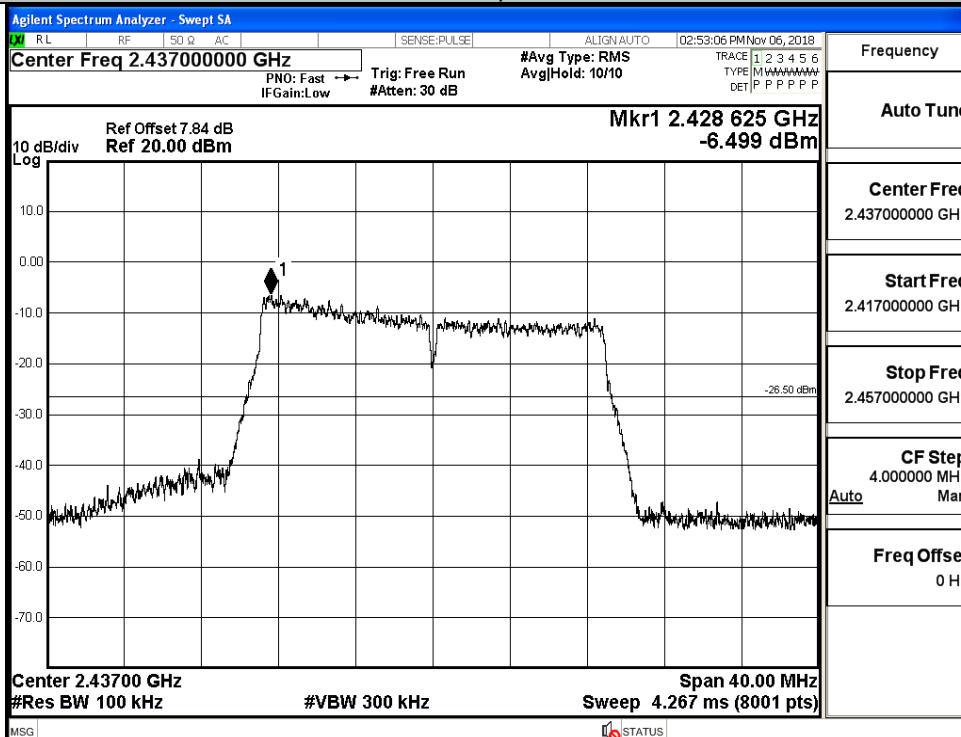
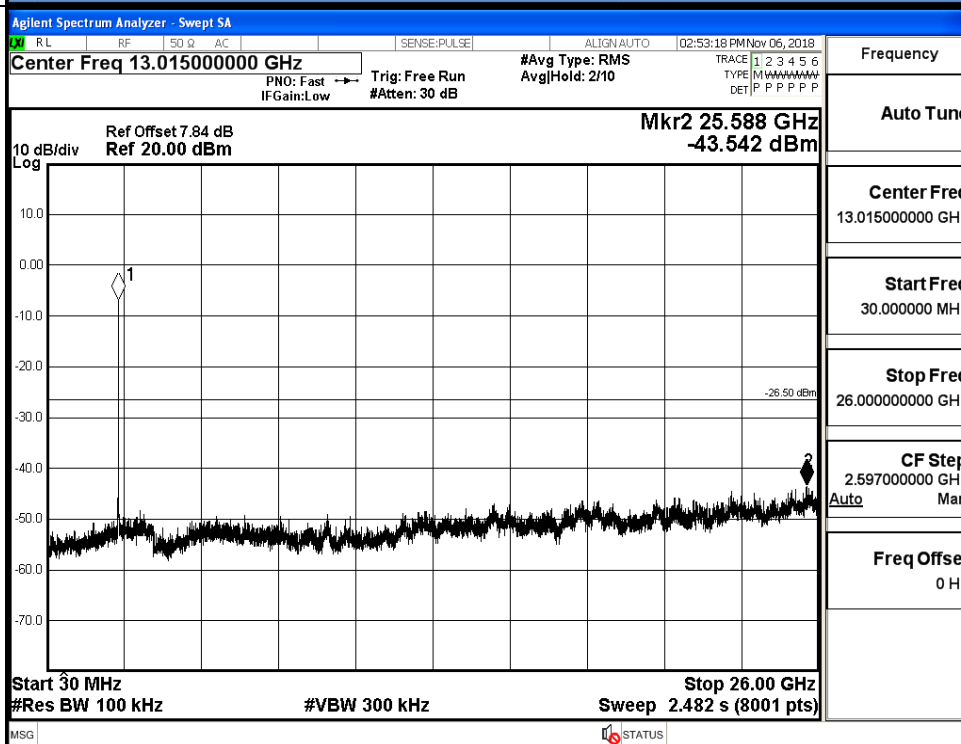
Puw/11G/HCH



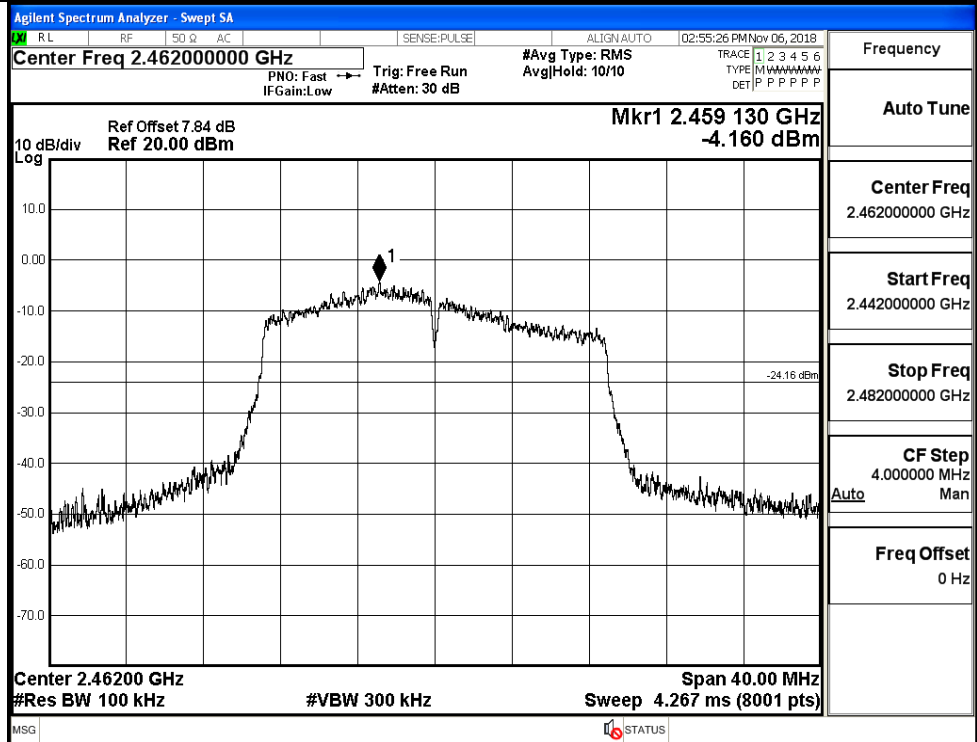
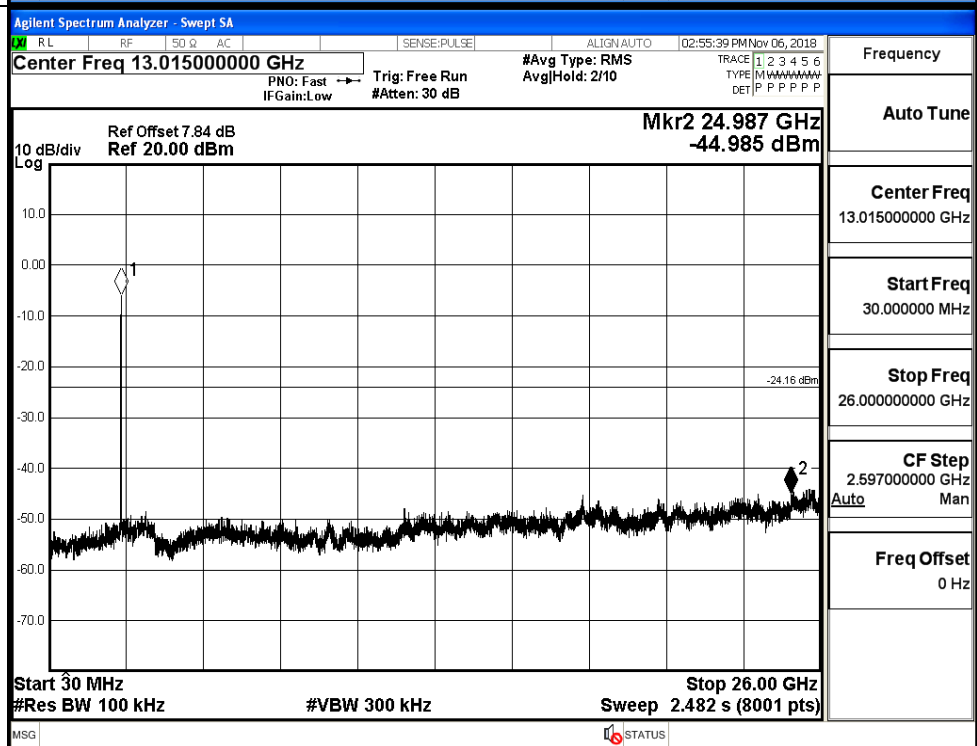
## 11N20SISO\_LCH\_Graphs

Pref/11N20SIS  
O/LCHPuw/11N20  
SISO/LCH

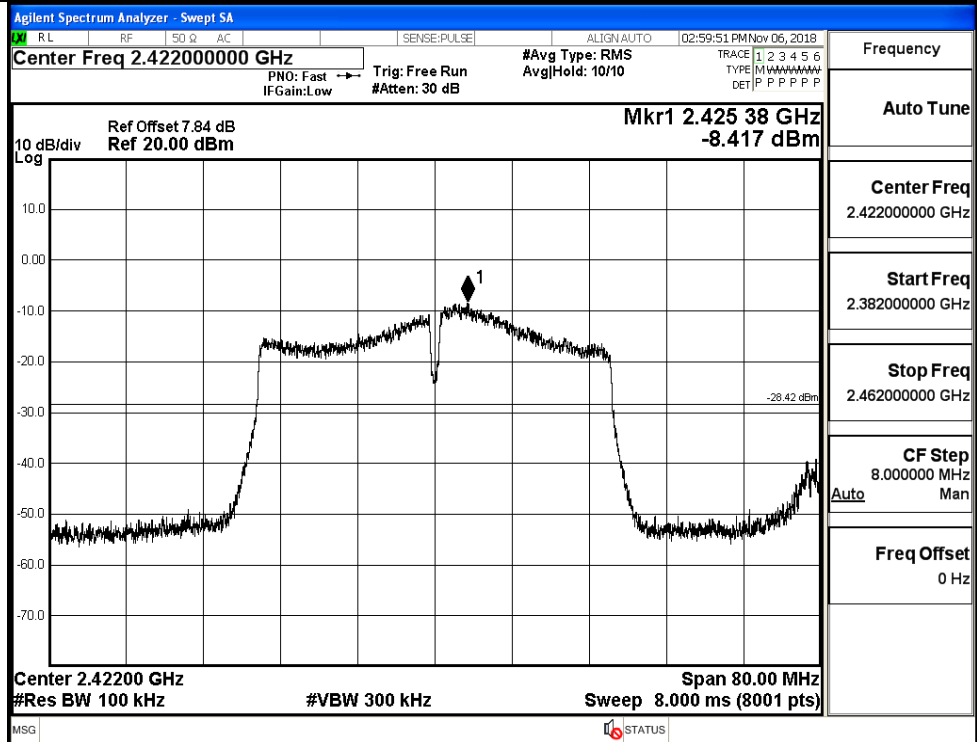
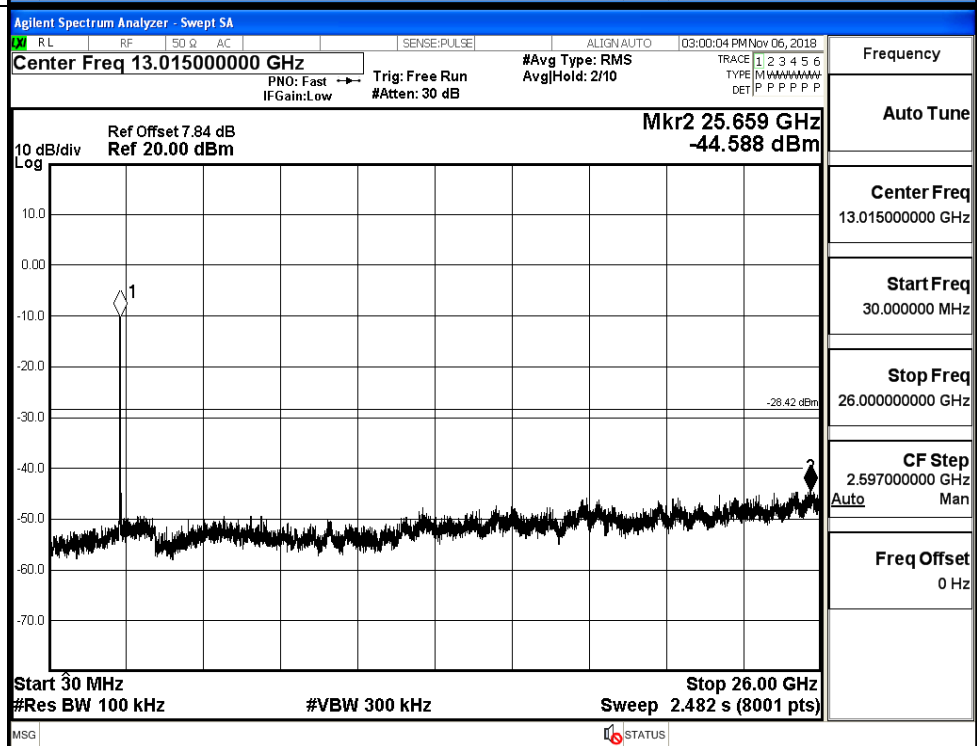
## 11N20ISO\_MCH\_Graphs

Pref/11N20  
SISO/MCHPuw/11N20  
SISO/MCH

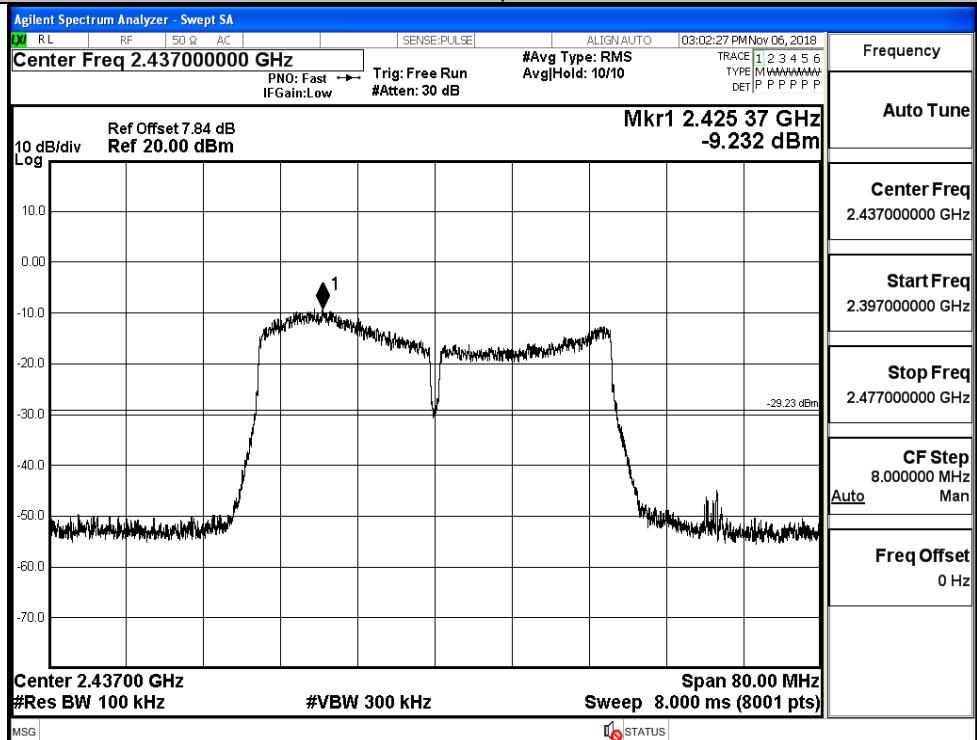
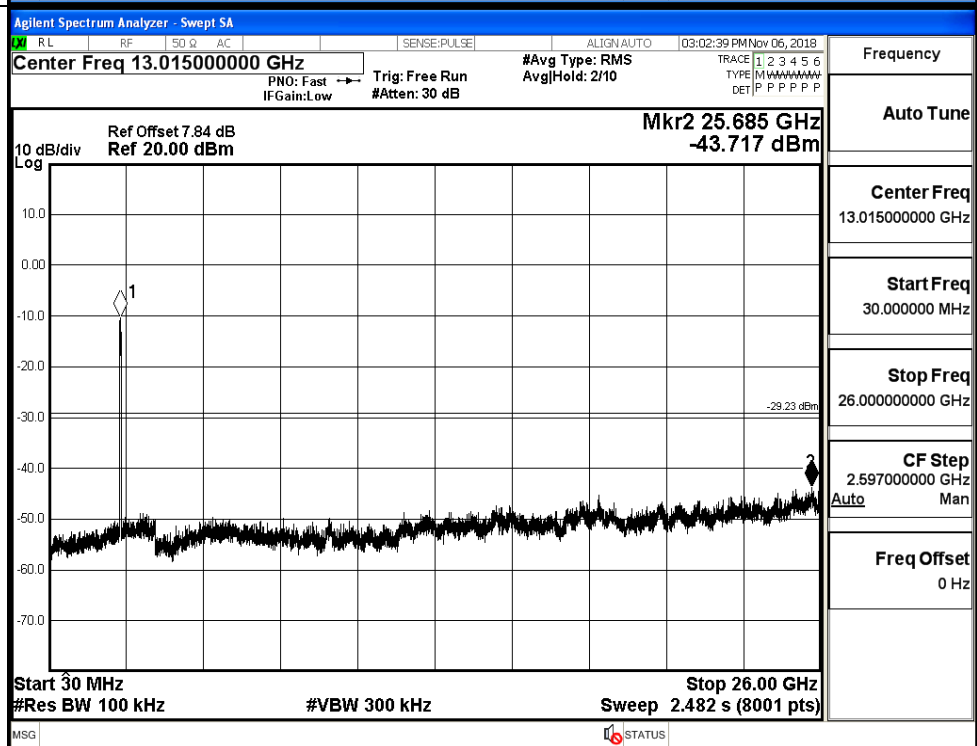
## 11N20ISO\_HCH\_Graphs

Pref/11N20  
SISO/HCHPuw/11N20  
SISO/HCH

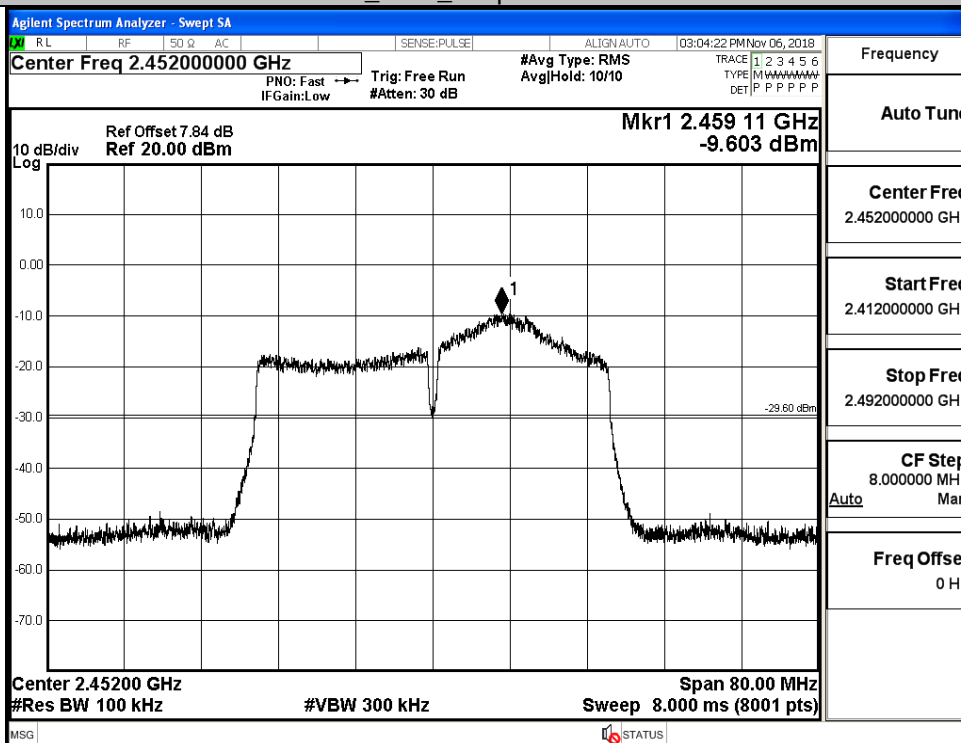
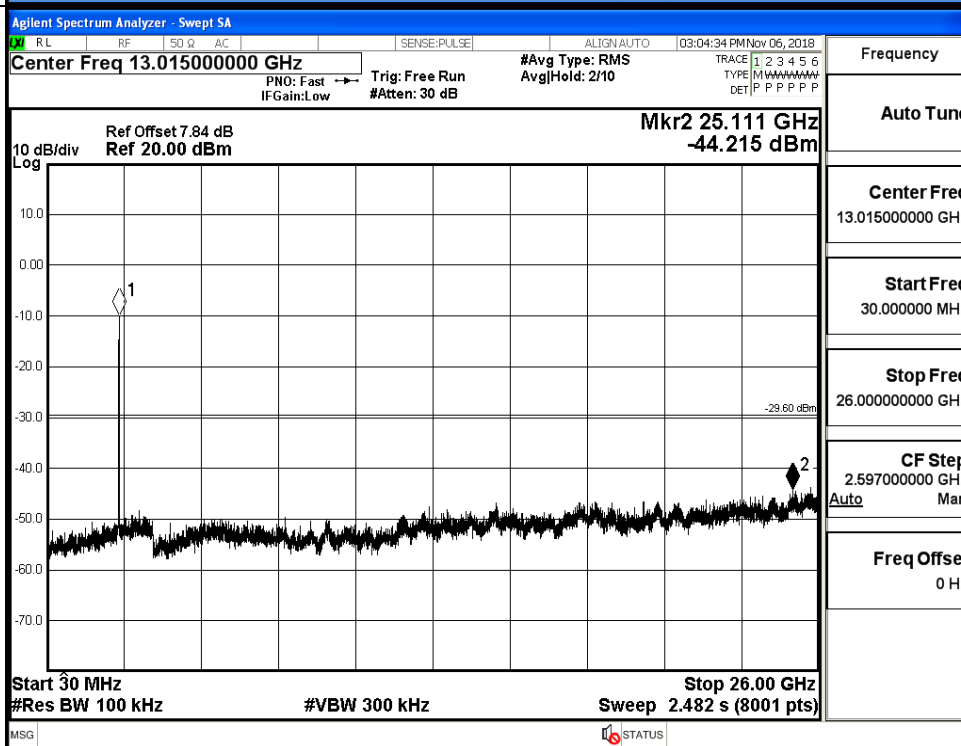
## 11N40SISO\_LCH\_Graphs

Pref/11N40  
SISO/LCHPuw/11N40  
SISO/LCH

## 11N40SISO\_MCH\_Graphs

Pref/11N40  
SISO/MCHPuw/11N40  
SISO/MCH

## 11N40SISO\_HCH\_Graphs

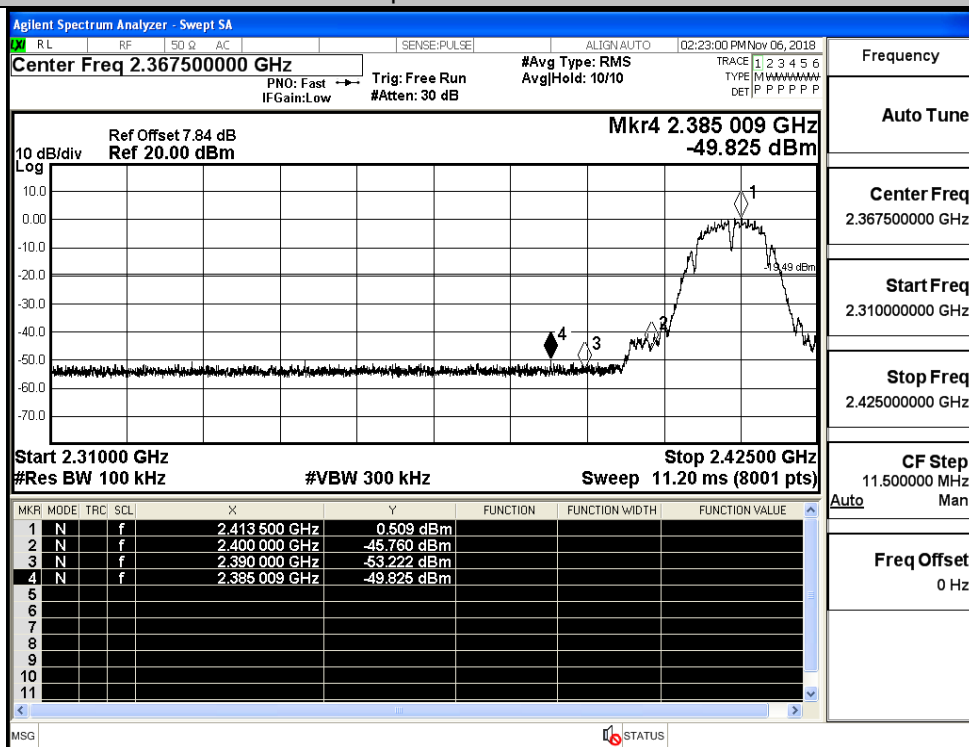
Pref/11N40  
SISO/HCHPuw/11N40  
SISO/HCH

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

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	0.509	-49.825	-19.49	PASS
	HCH	3.531	-48.398	-16.47	PASS
11G	LCH	-6.187	-50.495	-26.19	PASS
	HCH	-3.760	-38.911	-23.76	PASS
11N20SISO	LCH	-6.797	-50.971	-26.8	PASS
	HCH	-4.696	-49.031	-24.7	PASS
11N40SISO	LCH	-8.824	-50.015	-28.82	PASS
	HCH	-9.294	-49.904	-29.29	PASS

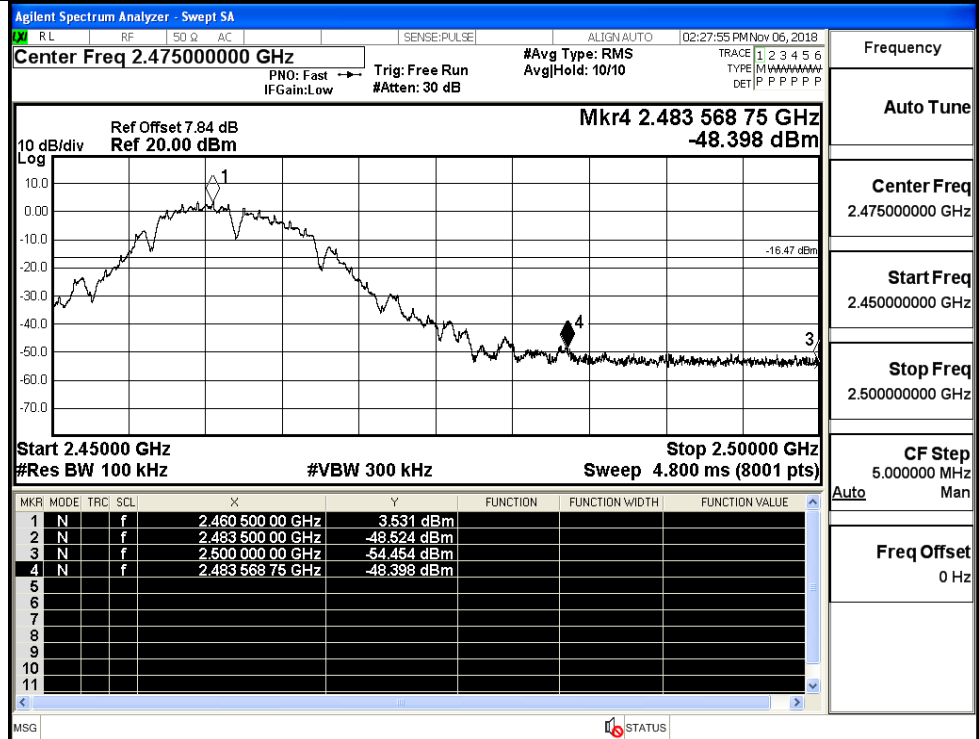
## Test Graphs

11B/LCH

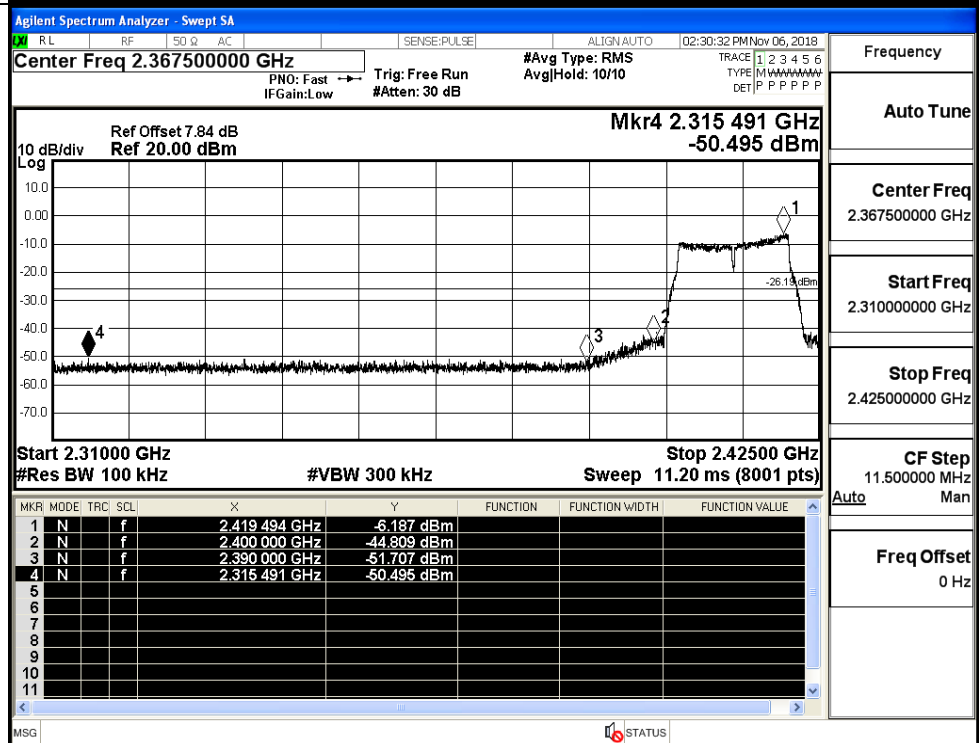




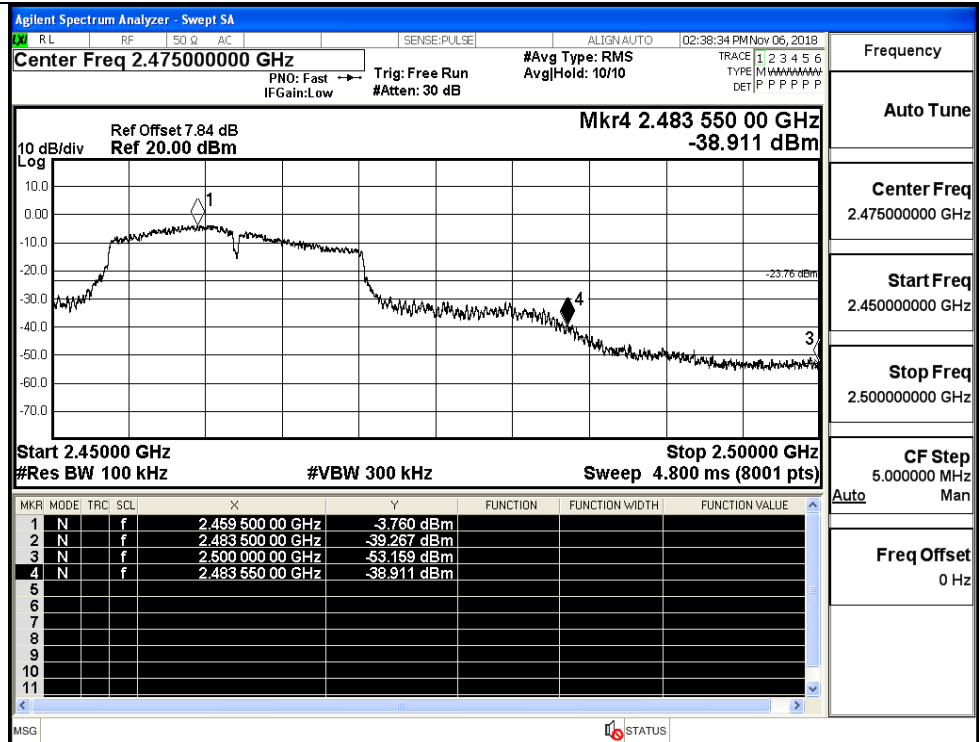
11B/HCH



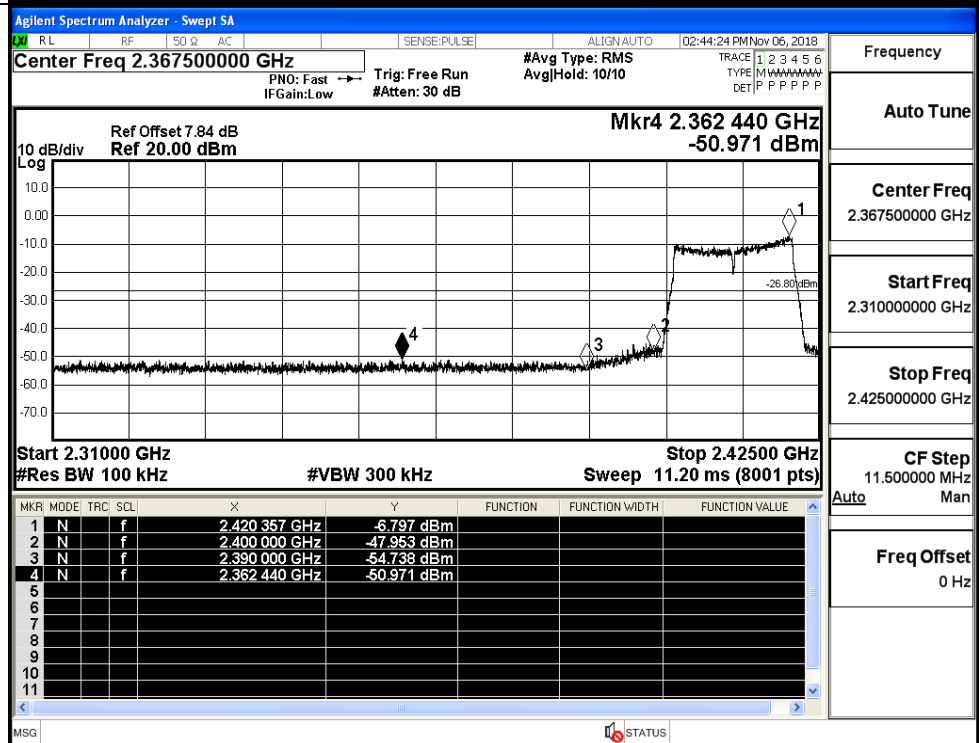
11G/LCH



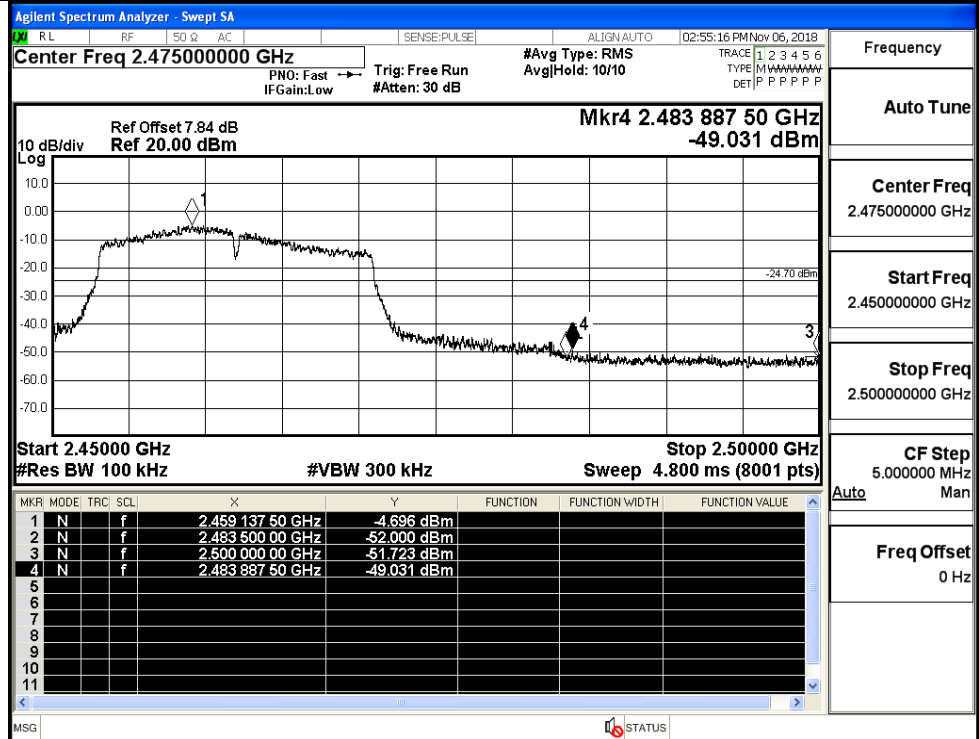
11G/HCH



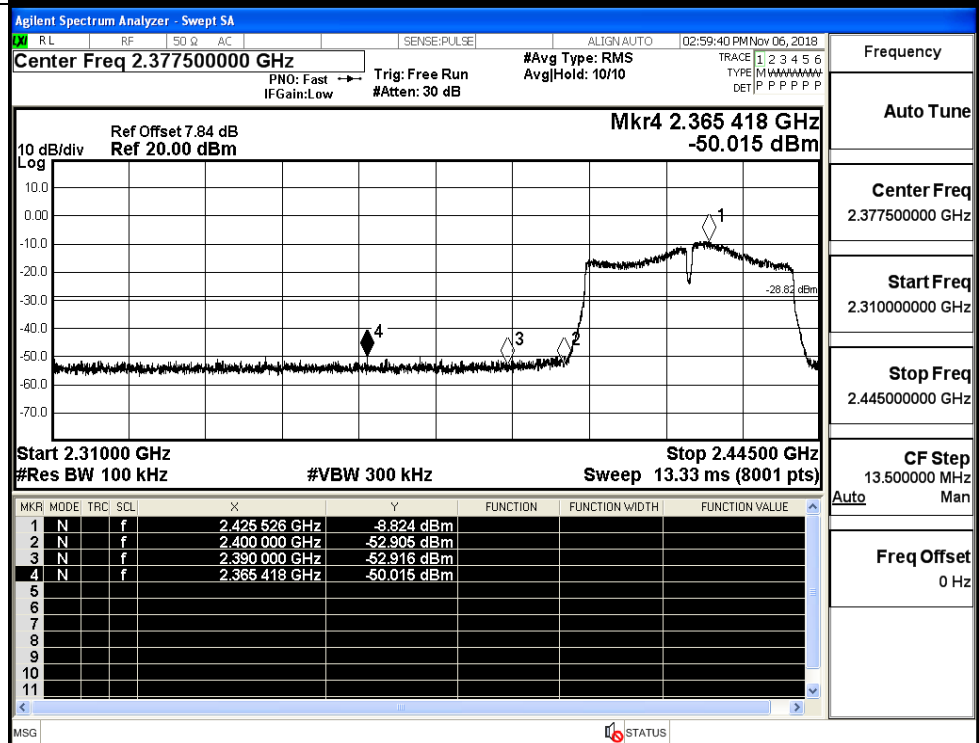
11N20SISO/LCH



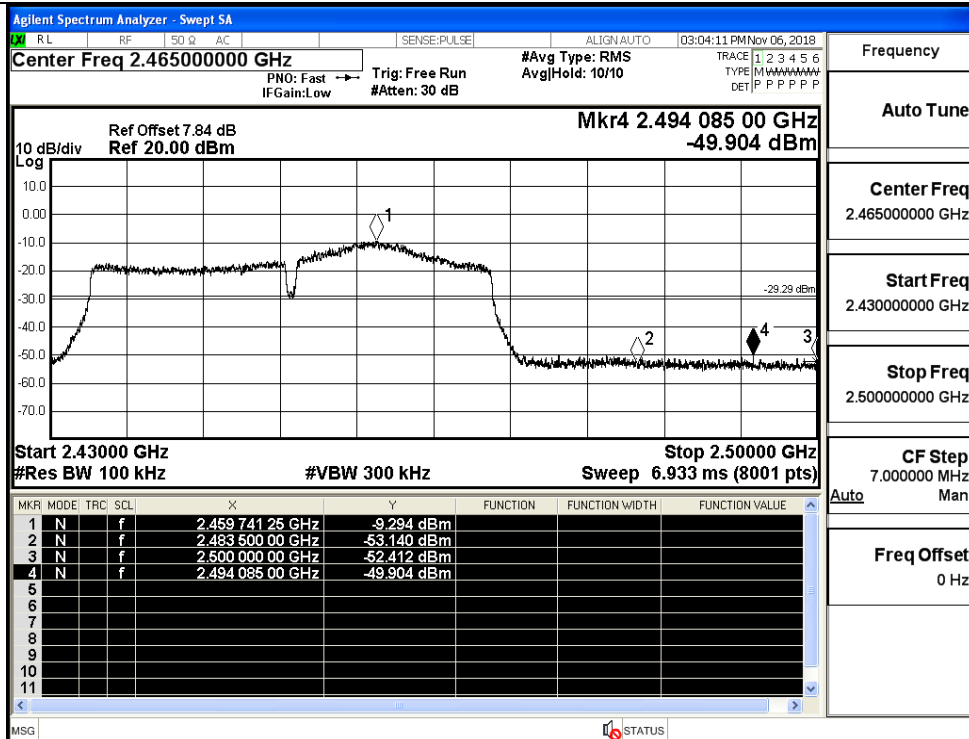
11N20SISO/HCH



11N40SISO/LCH



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

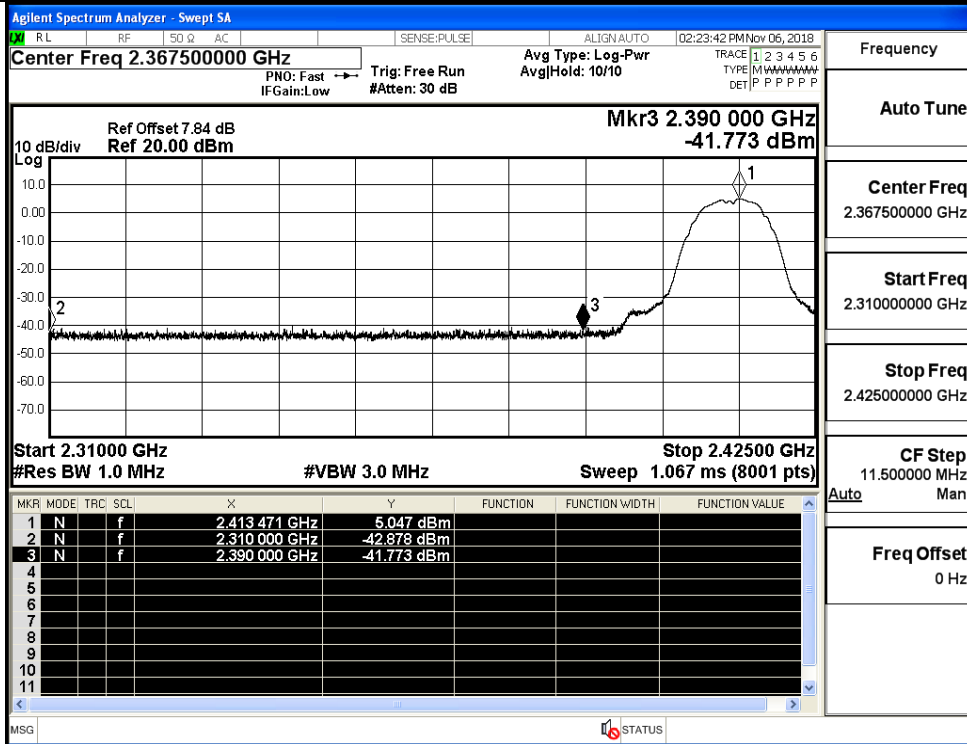
0 Hz

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

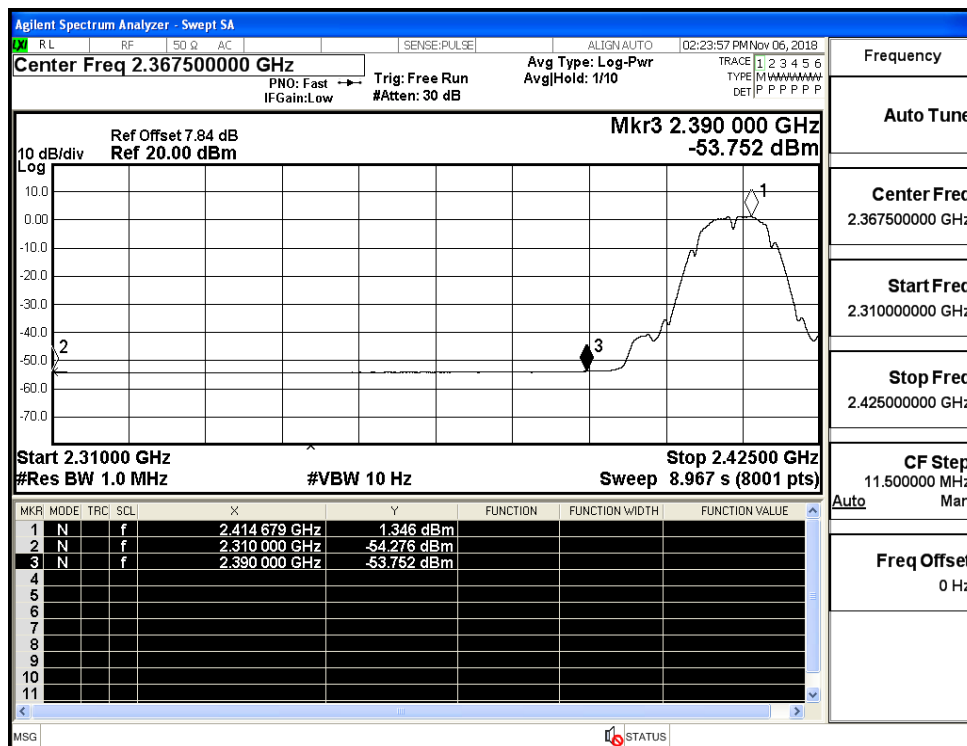
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-42.88	2.0	0	54.38	PEAK	74	PASS
	2412	Ant1	2310.0	-54.28	2.0	0	42.98	AV	54	PASS
	2412	Ant1	2390.0	-41.77	2.0	0	55.48	PEAK	74	PASS
	2412	Ant1	2390.0	-53.75	2.0	0	43.51	AV	54	PASS
	2462	Ant1	2483.5	-40.19	2.0	0	57.06	PEAK	74	PASS
	2462	Ant1	2483.5	-50.14	2.0	0	47.12	AV	54	PASS
	2462	Ant1	2500.0	-43.88	2.0	0	53.37	PEAK	74	PASS
	2462	Ant1	2500.0	-53.66	2.0	0	43.59	AV	54	PASS
11G	2412	Ant1	2310.0	-43.75	2.0	0	53.51	PEAK	74	PASS
	2412	Ant1	2310.0	-54.27	2.0	0	42.99	AV	54	PASS
	2412	Ant1	2390.0	-42.45	2.0	0	54.81	PEAK	74	PASS
	2412	Ant1	2390.0	-53.59	2.0	0	43.67	AV	54	PASS
	2462	Ant1	2483.5	-38.91	2.0	0	58.35	PEAK	74	PASS
	2462	Ant1	2483.5	-51.31	2.0	0	45.95	AV	54	PASS
	2462	Ant1	2500.0	-43.13	2.0	0	54.13	PEAK	74	PASS
	2462	Ant1	2500.0	-53.16	2.0	0	44.10	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-44.29	2.0	0	52.97	PEAK	74	PASS
	2412	Ant1	2310.0	-54.26	2.0	0	43.00	AV	54	PASS
	2412	Ant1	2390.0	-43.41	2.0	0	53.85	PEAK	74	PASS
	2412	Ant1	2390.0	-53.61	2.0	0	43.65	AV	54	PASS
	2462	Ant1	2483.5	-40.21	2.0	0	57.05	PEAK	74	PASS
	2462	Ant1	2483.5	-51.68	2.0	0	45.58	AV	54	PASS
	2462	Ant1	2500.0	-44.26	2.0	0	53.00	PEAK	74	PASS
	2462	Ant1	2500.0	-53.68	2.0	0	43.58	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-43.69	2.0	0	53.57	PEAK	74	PASS
	2422	Ant1	2310.0	-54.27	2.0	0	42.99	AV	54	PASS

	2422	Ant1	2390.0	-43.39	2.0	0	53.87	PEAK	74	PASS
	2422	Ant1	2390.0	-53.76	2.0	0	43.50	AV	54	PASS
	2452	Ant1	2483.5	-41.95	2.0	0	55.31	PEAK	74	PASS
	2452	Ant1	2483.5	-52.93	2.0	0	44.33	AV	54	PASS
	2452	Ant1	2500.0	-43.29	2.0	0	53.96	PEAK	74	PASS
	2452	Ant1	2500.0	-53.67	2.0	0	43.59	AV	54	PASS

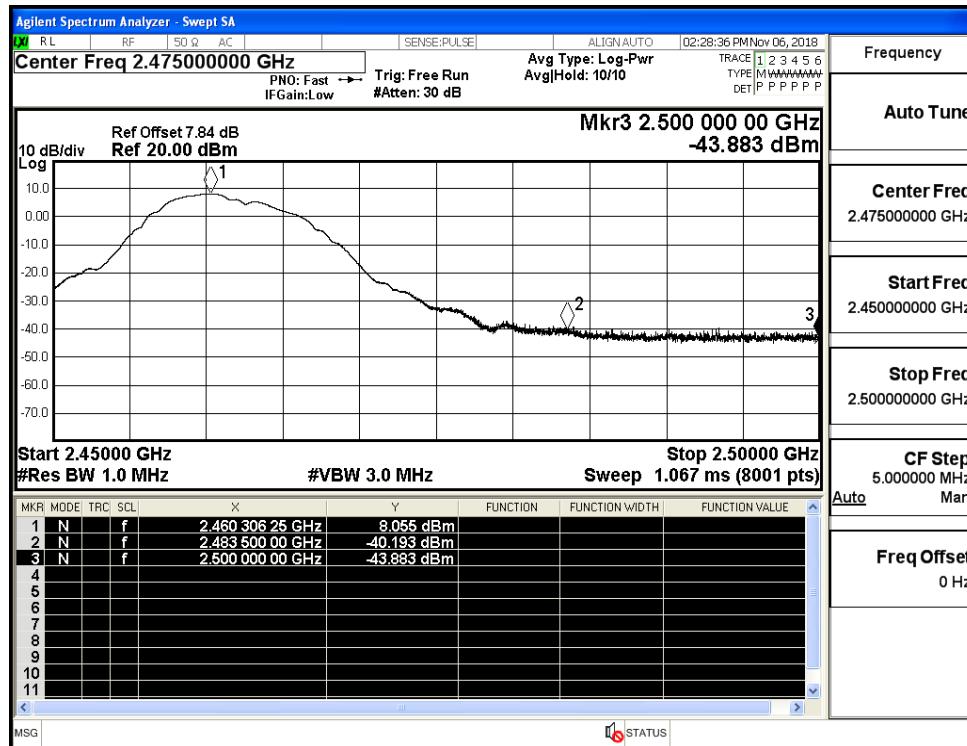
## Restrict-band band-edge measurements\_11B\_2412\_Ant1\_PEAK



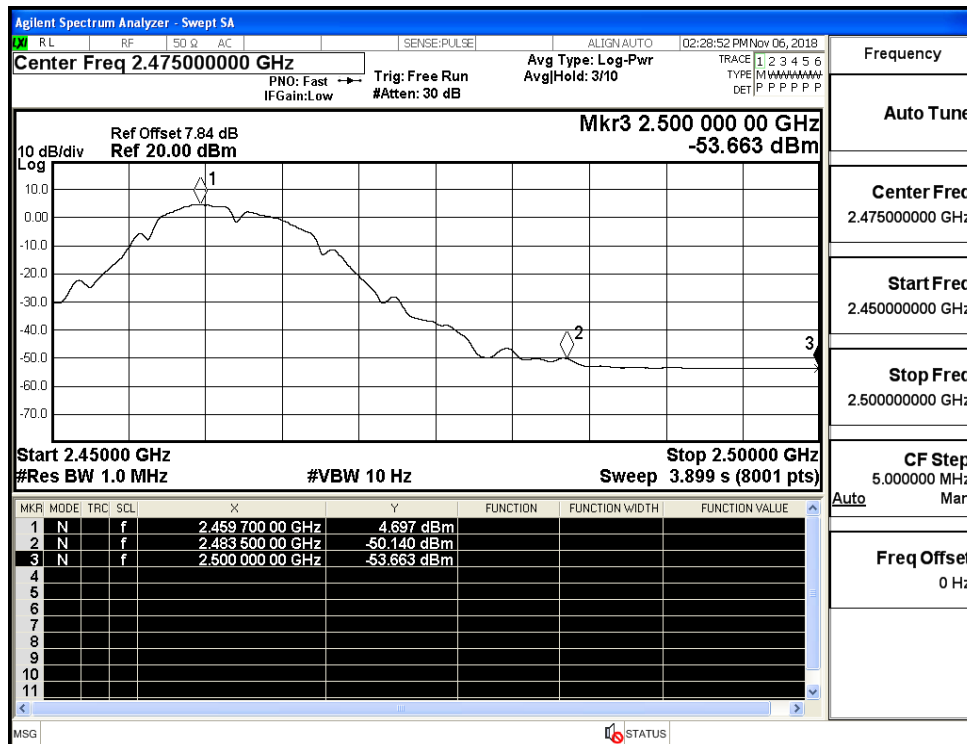
## Restrict-band band-edge measurements\_11B\_2412\_Ant1\_AV



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

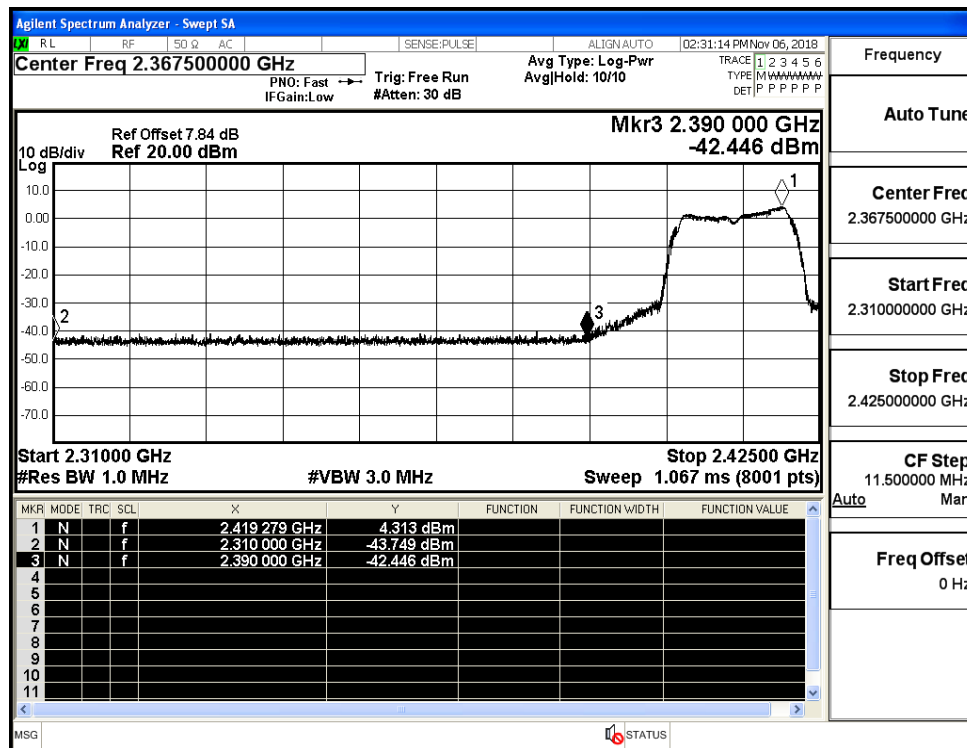


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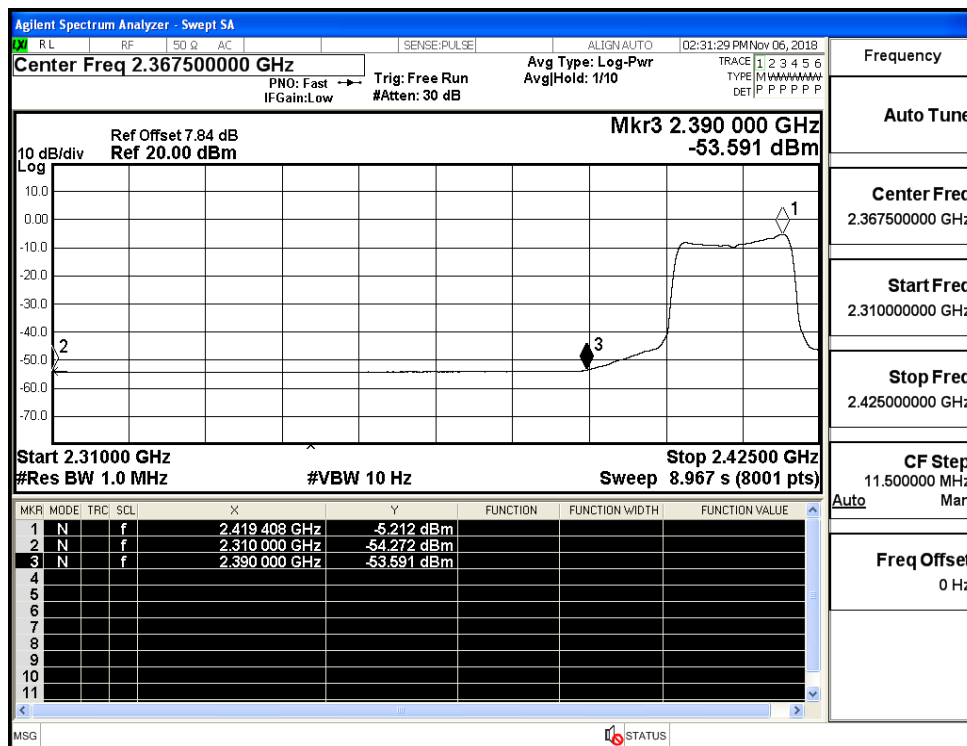




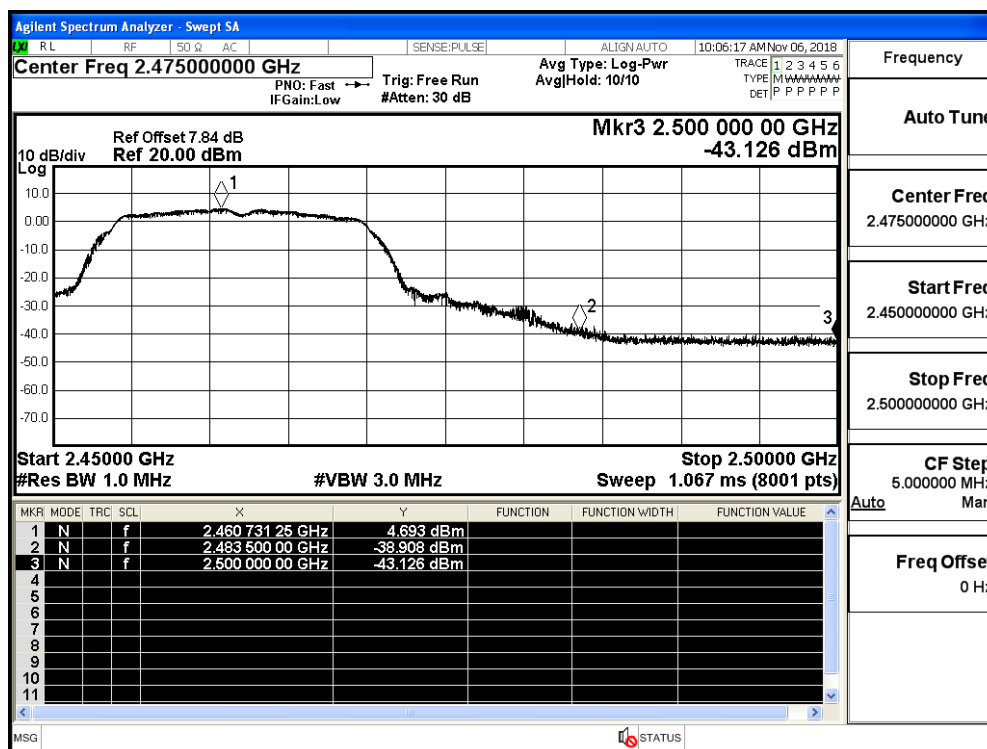
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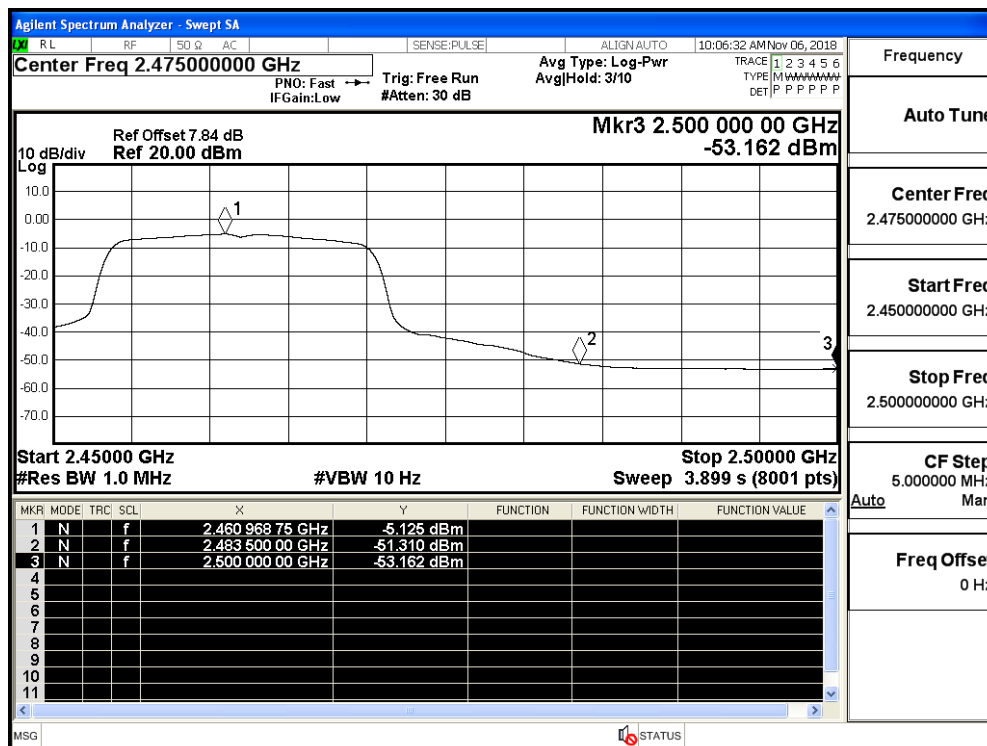
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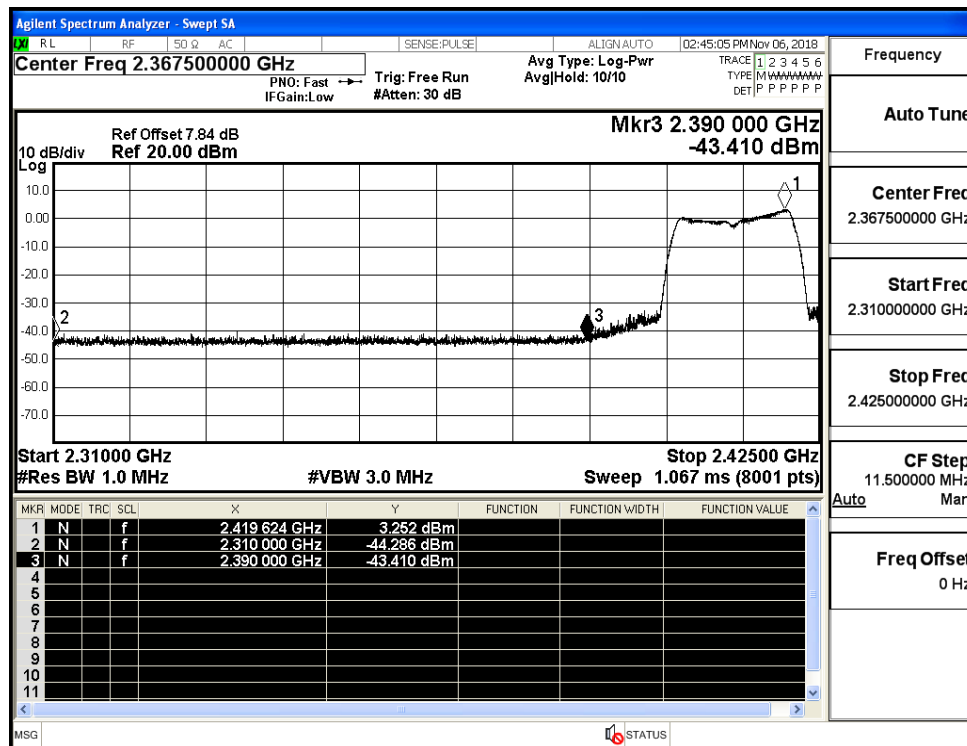
## Restrict-band band-edge measurements\_11G\_2462\_Ant1\_PEAK



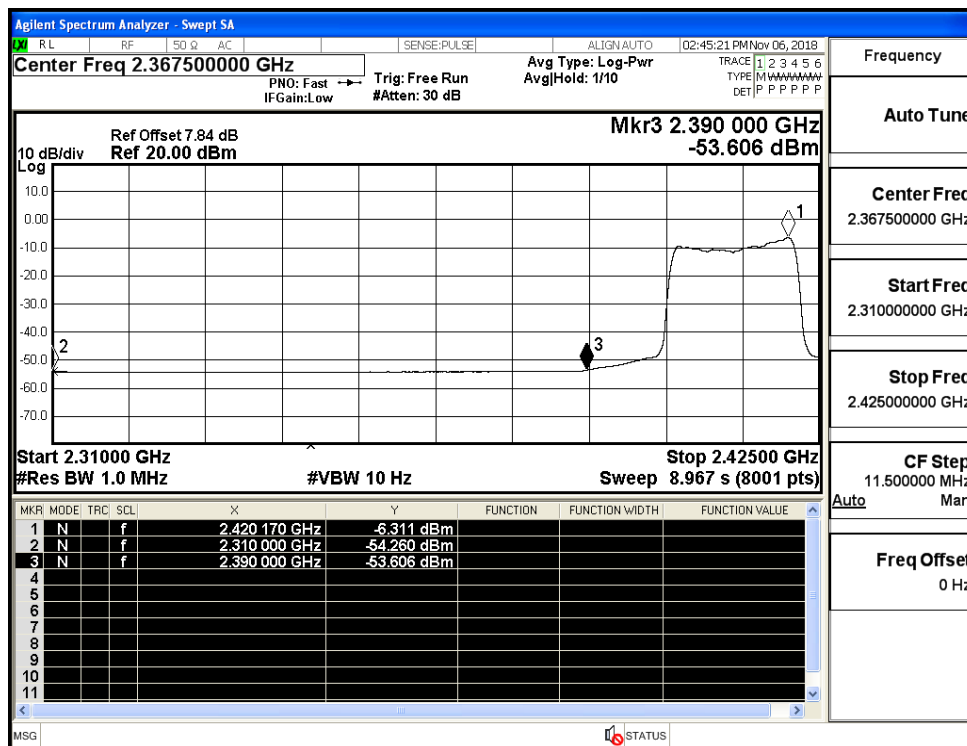
## Restrict-band band-edge measurements\_11G\_2462\_Ant1\_AV



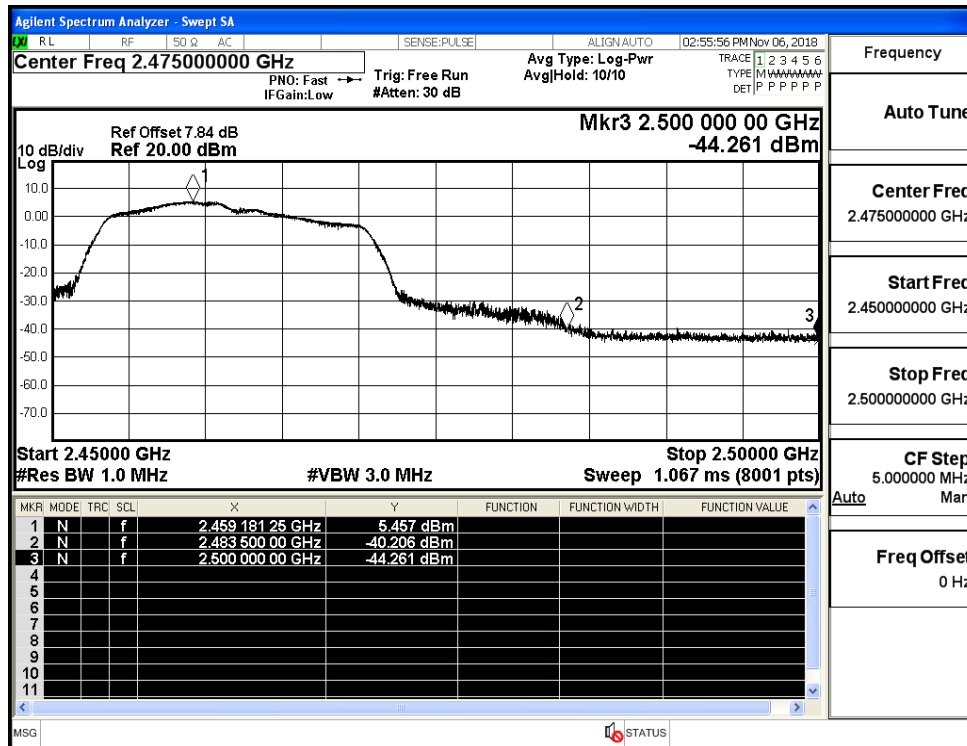
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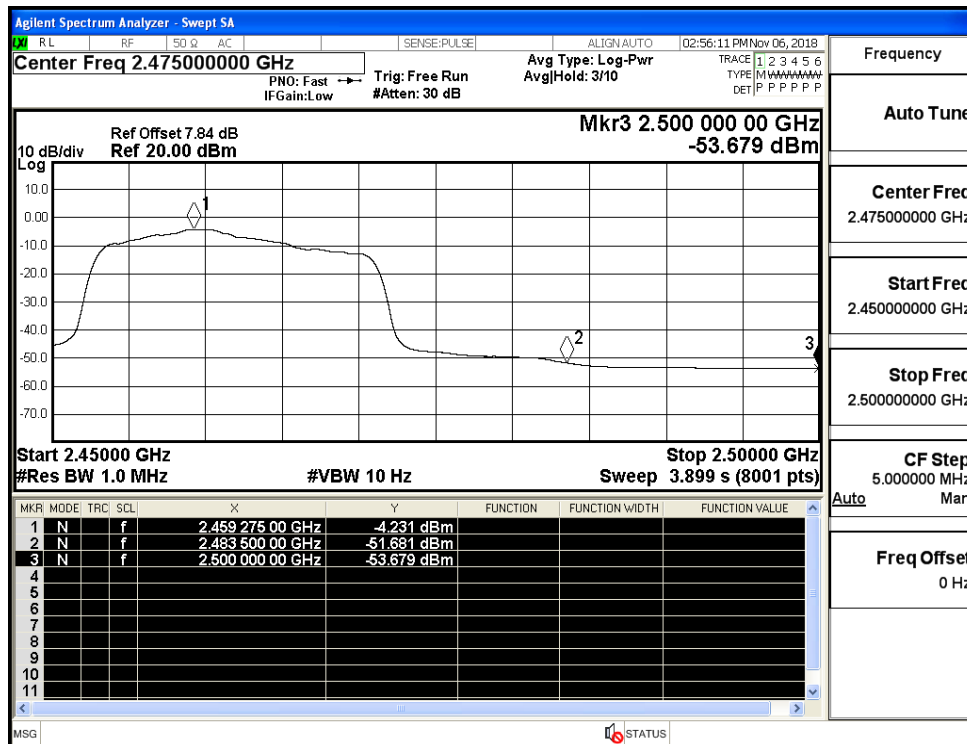
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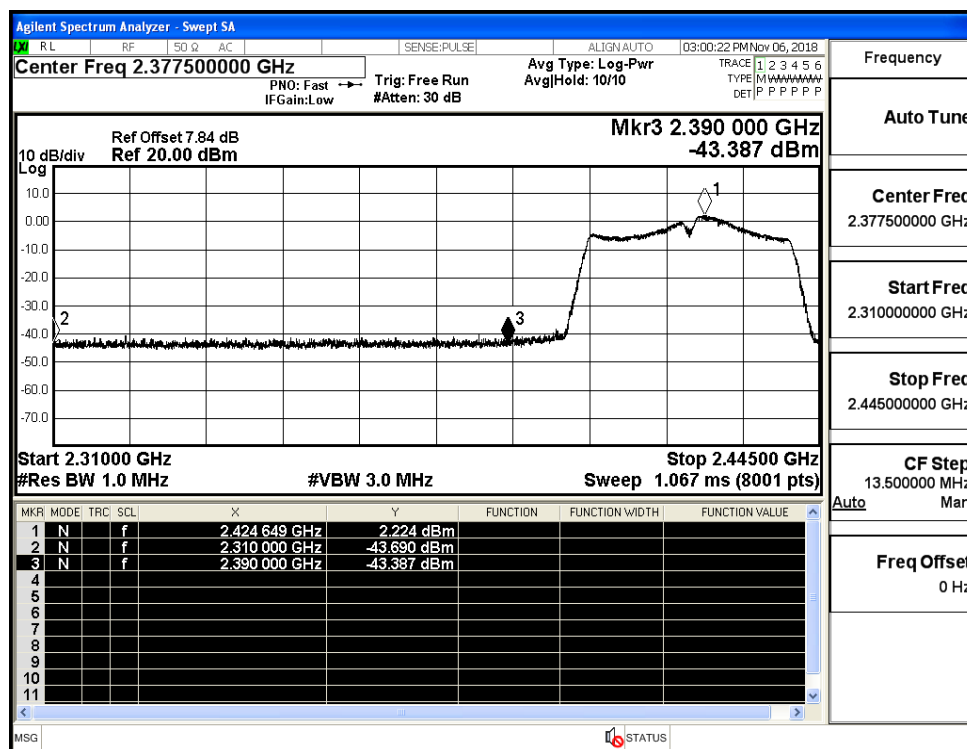
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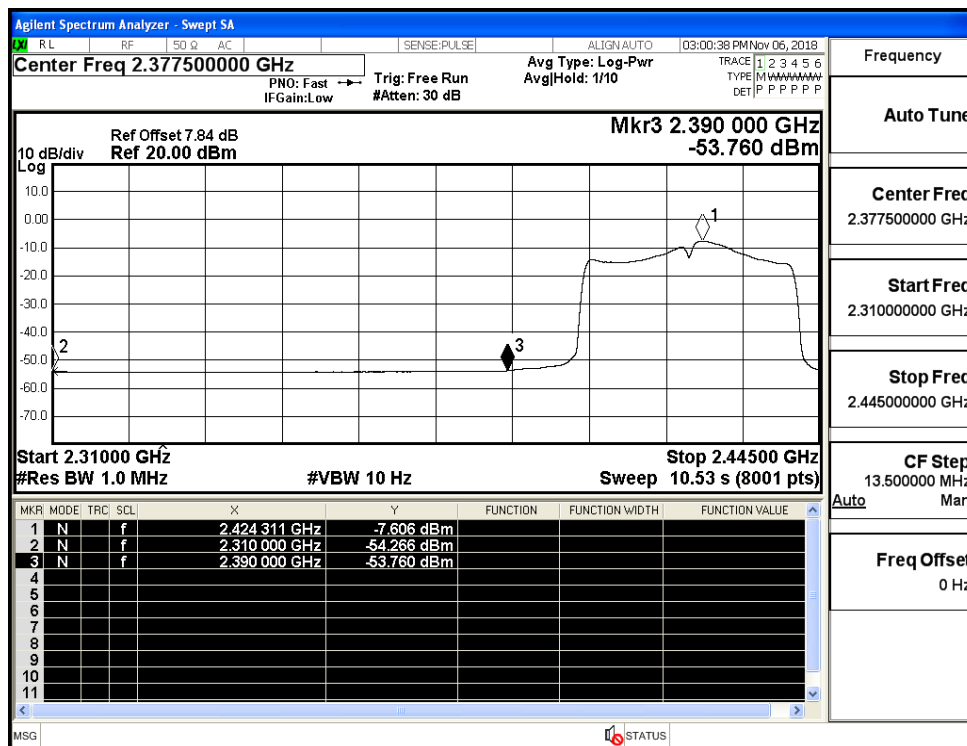
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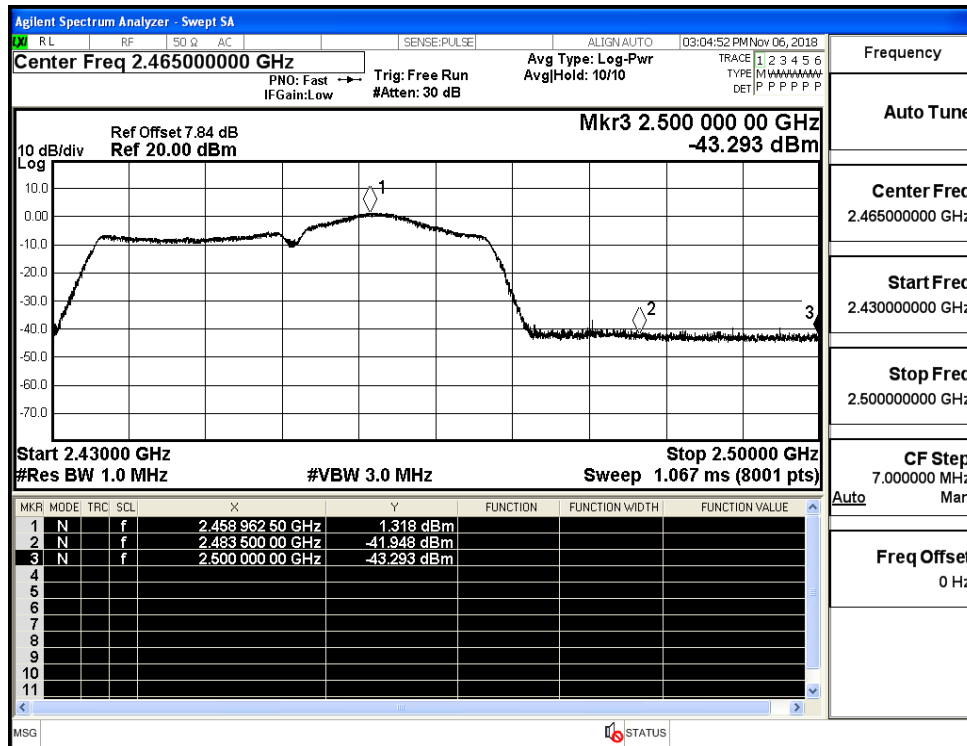
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## Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_AV



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



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

