

**Appendix A**  
**RF Test Data for 2.4G WIFI (Conducted Measurement)**  
**Product Name: Wireless P/T HD Camera**  
**Trade Mark: CasaCam**  
**Test Model: BC200PRO**

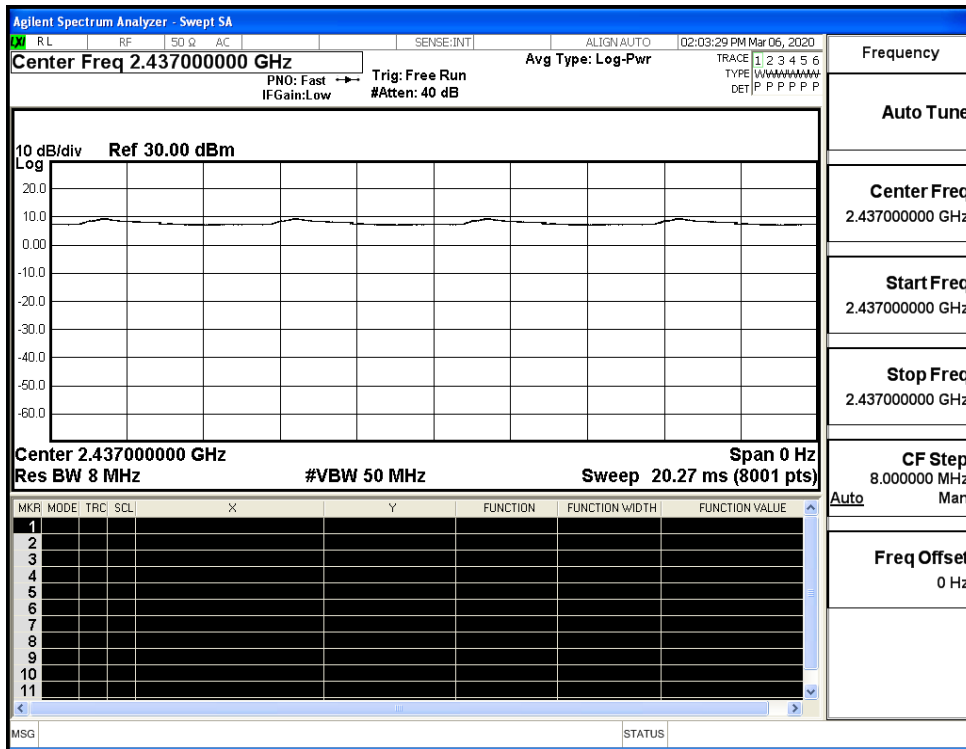
**Environmental Conditions**

Temperature:	23.7 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Tom Liu

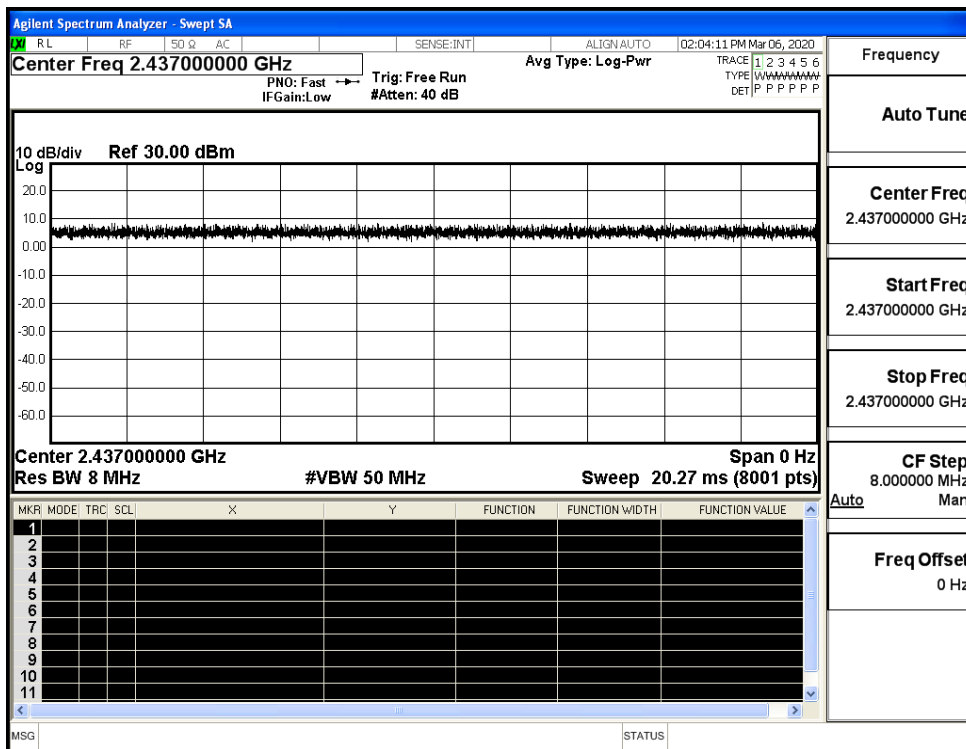
**A.1 Duty Cycle**

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant0	100	PASS
11G	2437	Ant0	100	PASS

Duty Cycle\_11B\_2437\_Ant0



Duty Cycle\_11G\_2437\_Ant0

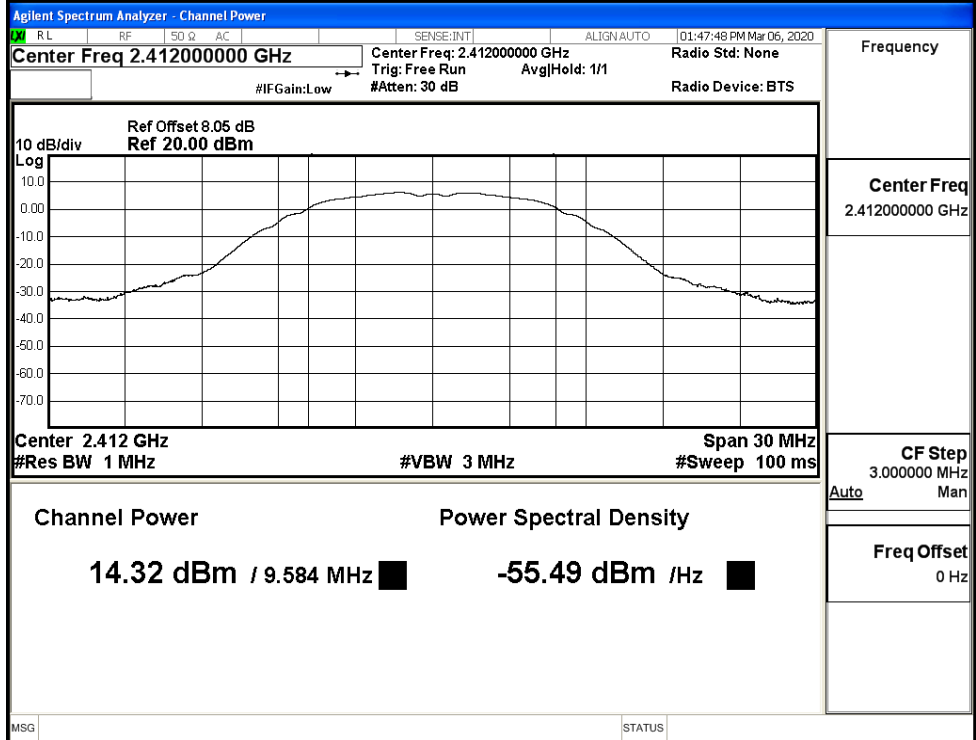


**A.2 Maximum Conducted Output Power**

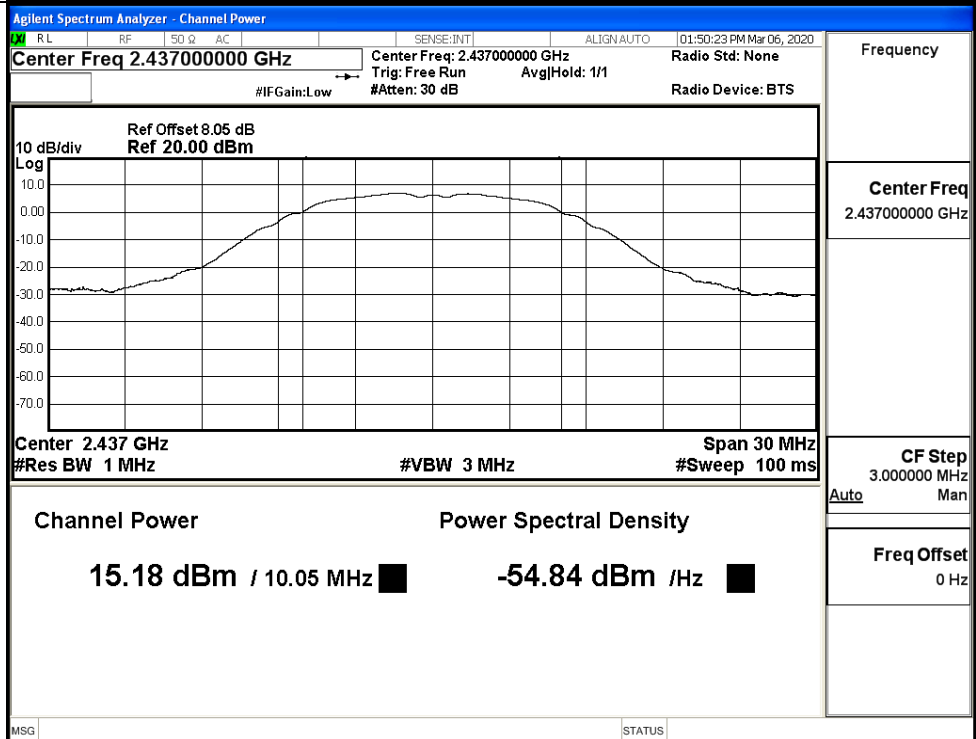
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	14.32	30	PASS
	MCH	15.18	30	PASS
	HCH	14.69	30	PASS
11G	LCH	15.23	30	PASS
	MCH	13.49	30	PASS
	HCH	13.02	30	PASS

Test Graphs

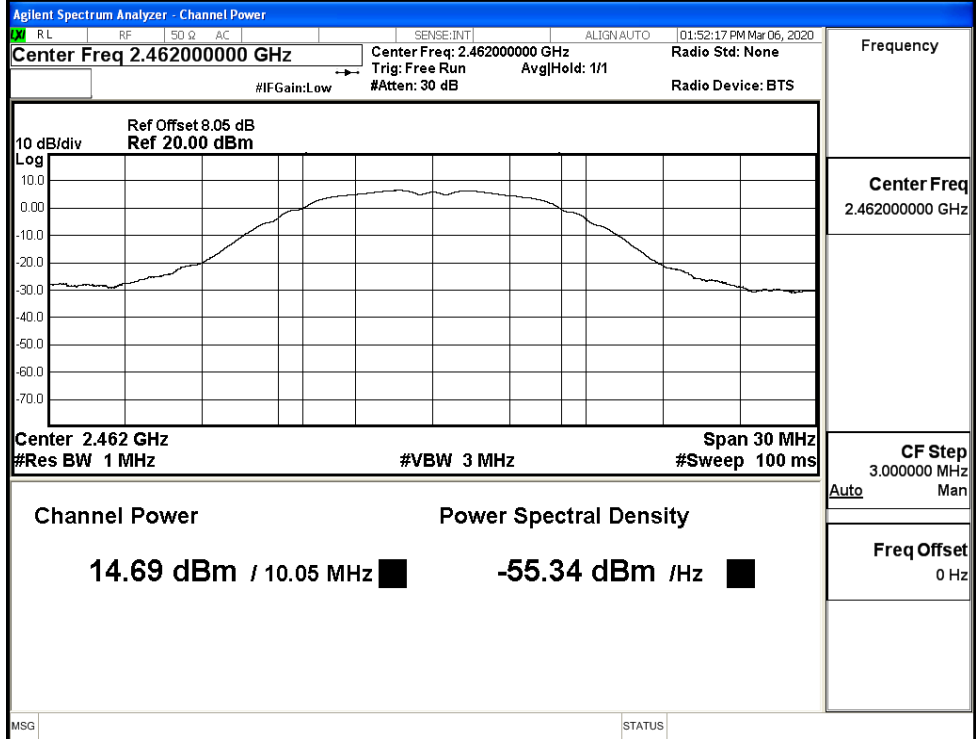
11B/LCH



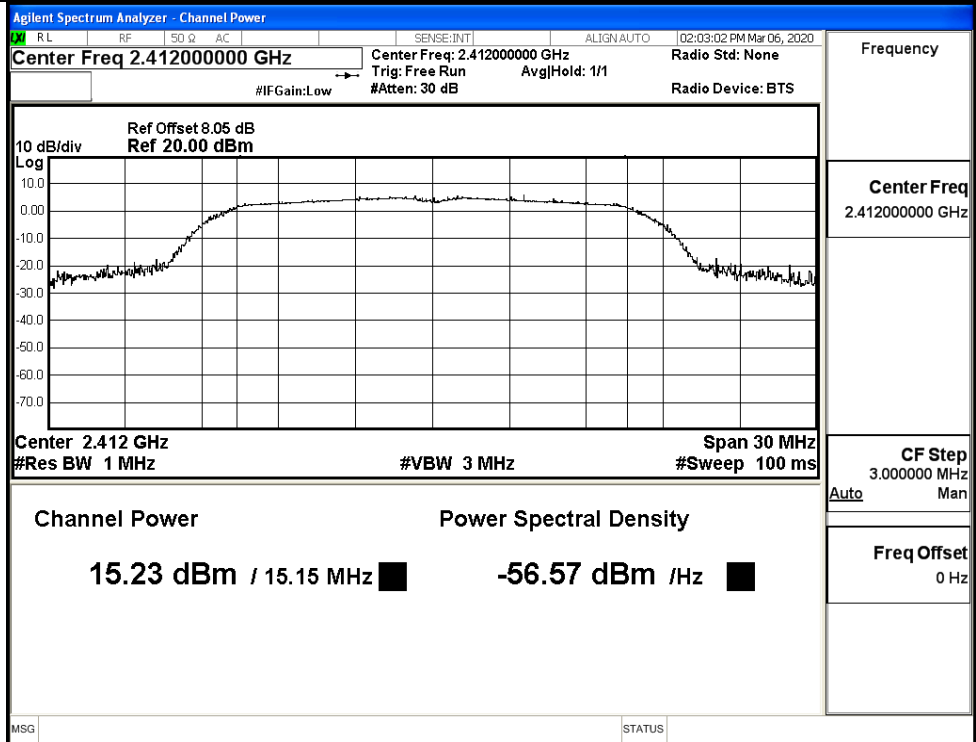
11B/MCH



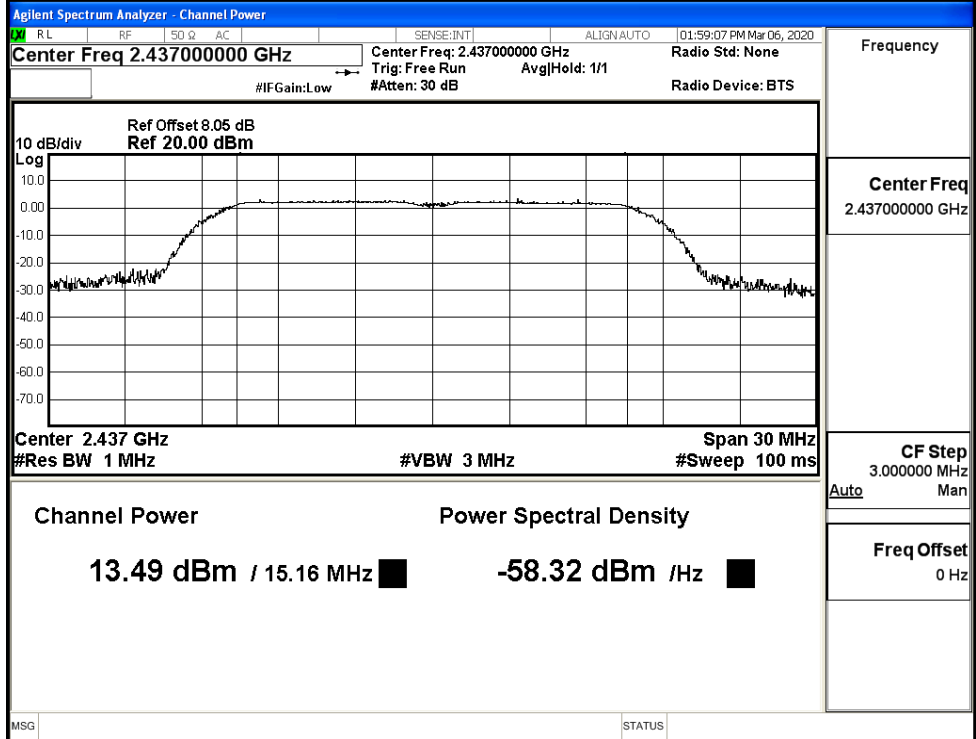
11B/HCH



11G/LCH

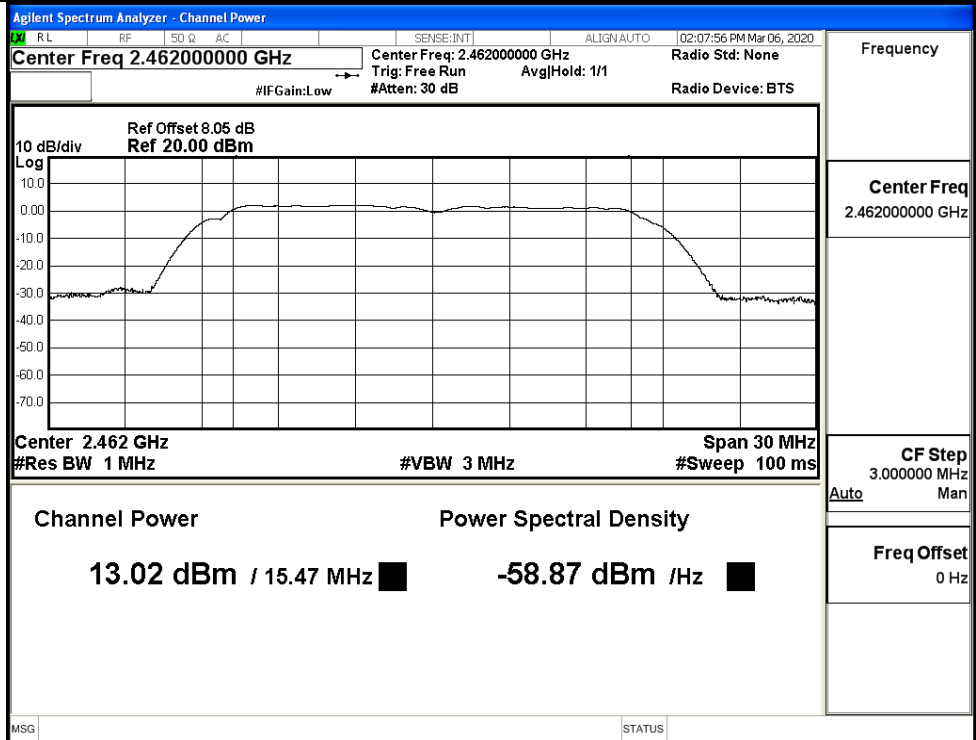


11G/MCH



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

11G/HCH



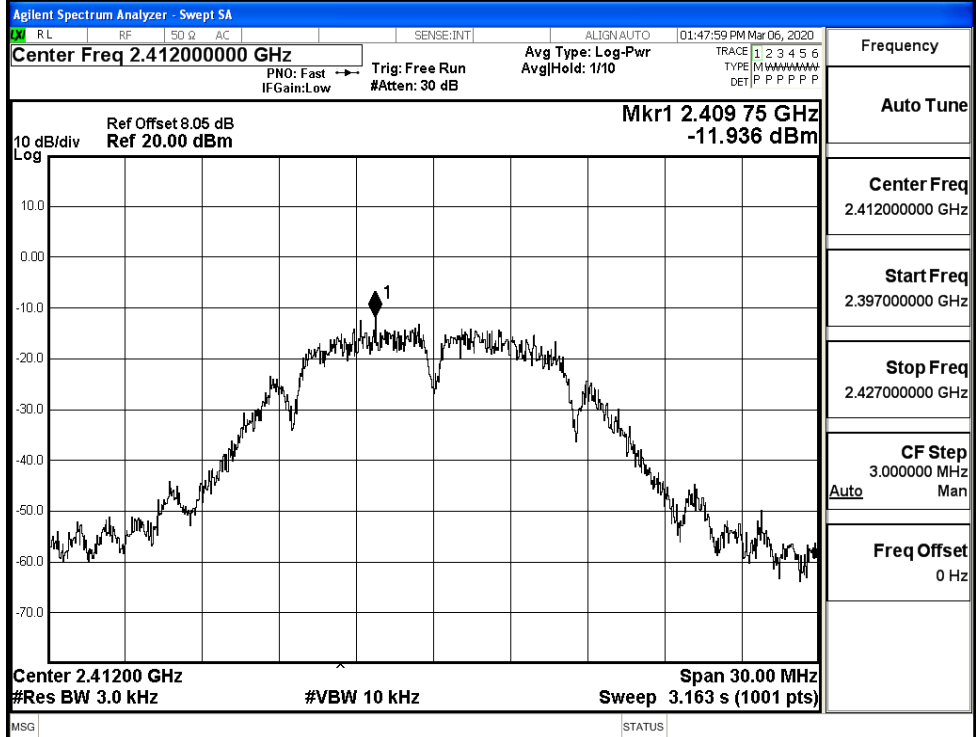
Frequency
Center Freq 2.46200000 GHz
CF Step 3.000000 MHz Auto Man
Freq Offset 0 Hz

### A.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-11.936	8	PASS
	MCH	-11.430	8	PASS
	HCH	-11.967	8	PASS
11G	LCH	-17.703	8	PASS
	MCH	-20.307	8	PASS
	HCH	-16.129	8	PASS

Test Graphs

11B/LCH



11B/MCH

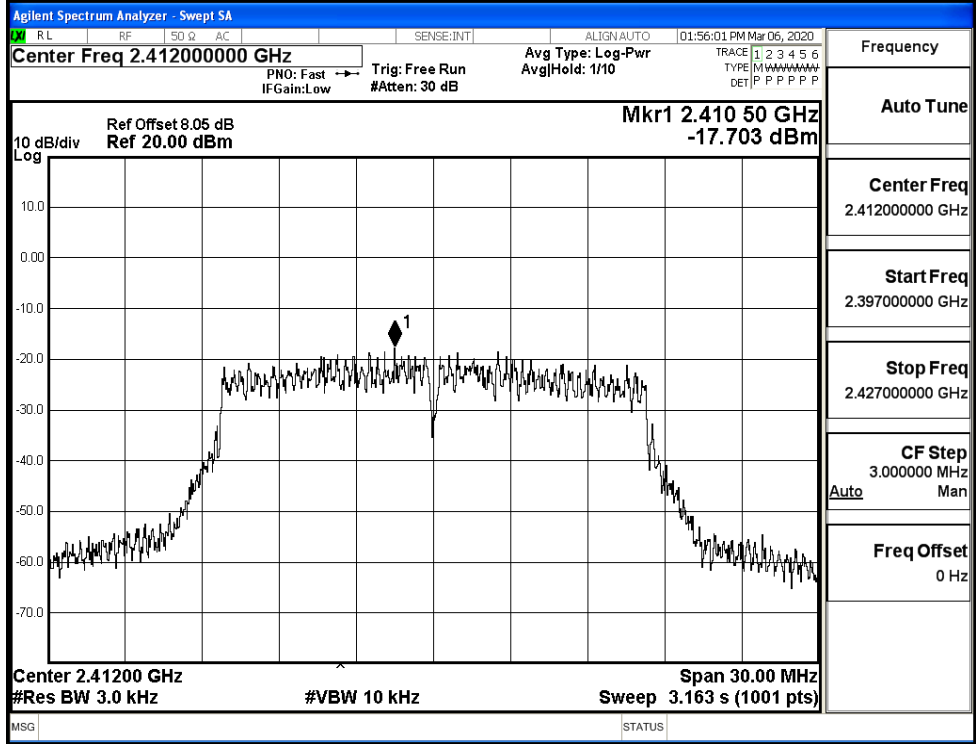




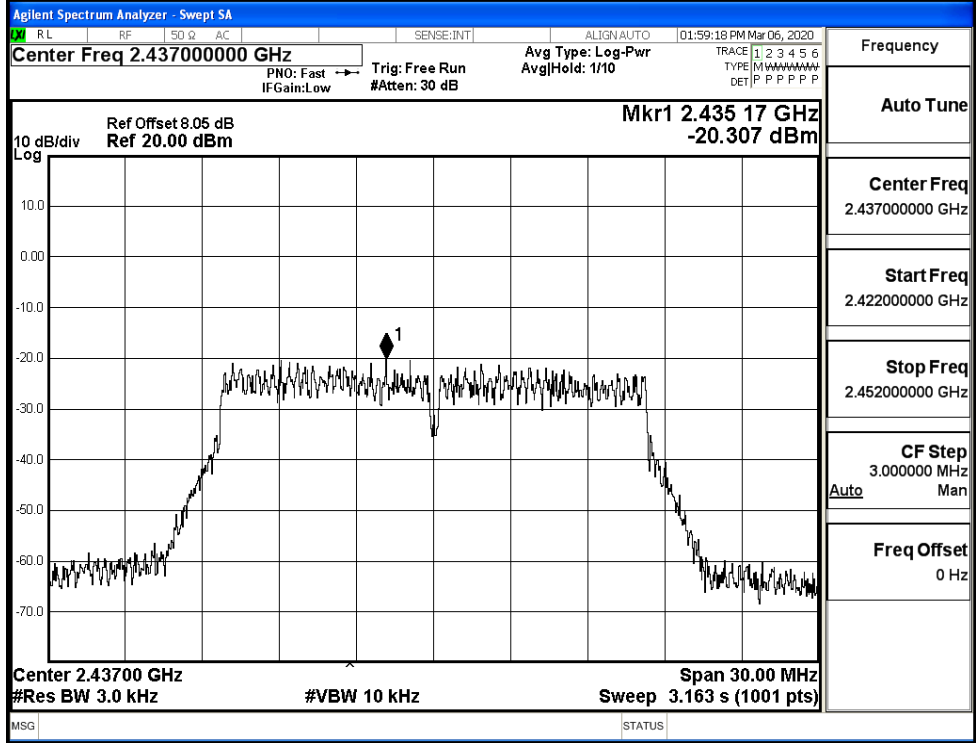
11B/HCH



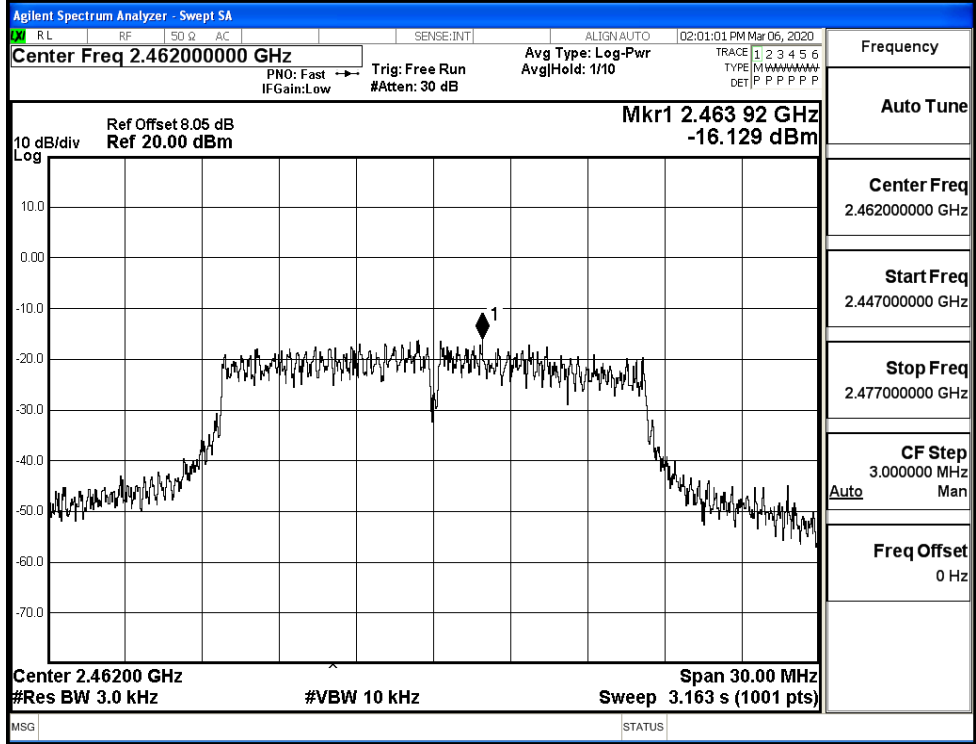
11G/LCH



11G/MCH



11G/HCH

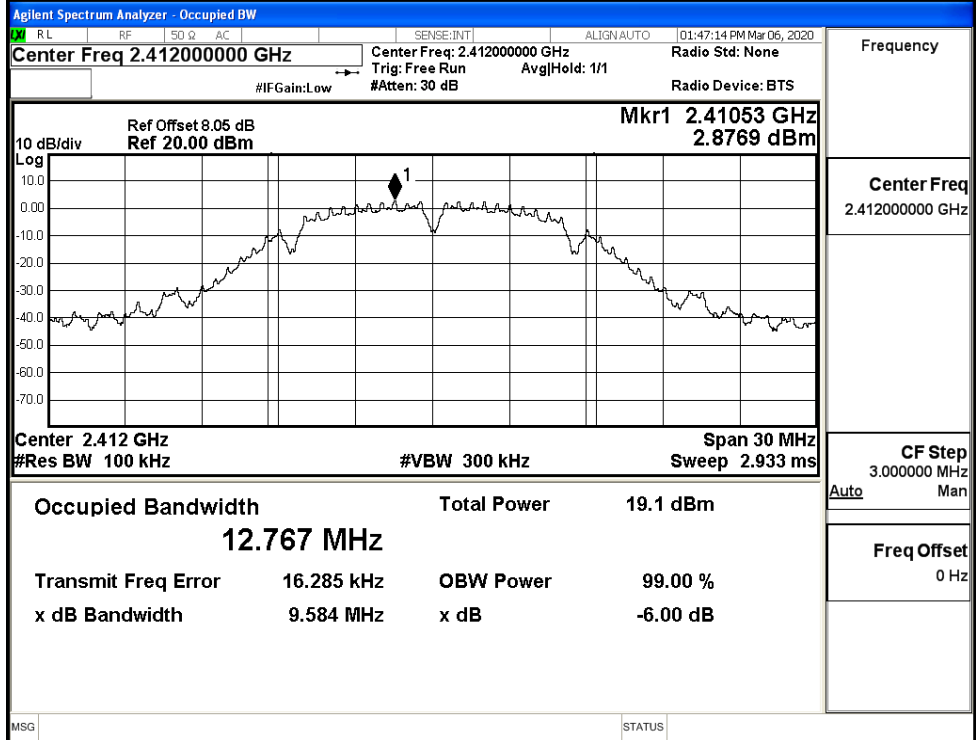


**A.4 6Db Bandwidth**

Mode	Channel	6Db Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.584	$\geq 0.5$	PASS
	MCH	10.05	$\geq 0.5$	PASS
	HCH	10.05	$\geq 0.5$	PASS
11G	LCH	15.15	$\geq 0.5$	PASS
	MCH	15.16	$\geq 0.5$	PASS
	HCH	15.47	$\geq 0.5$	PASS

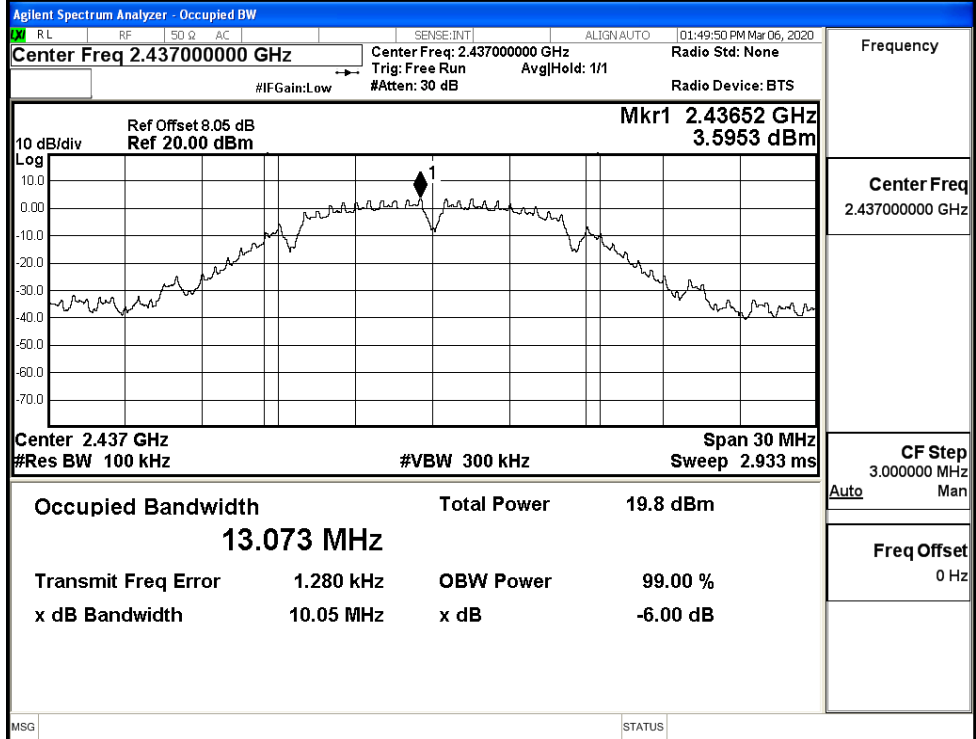
Test Graphs

11B/LCH



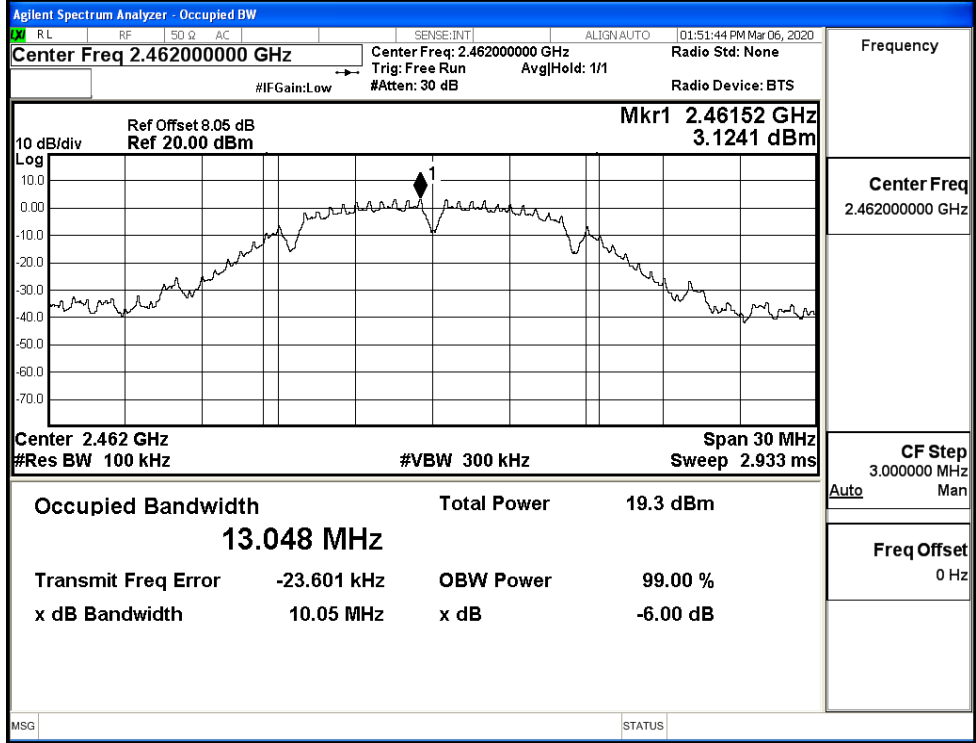
Frequency	2.41200000 GHz
Center Freq	2.41200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11B/MCH

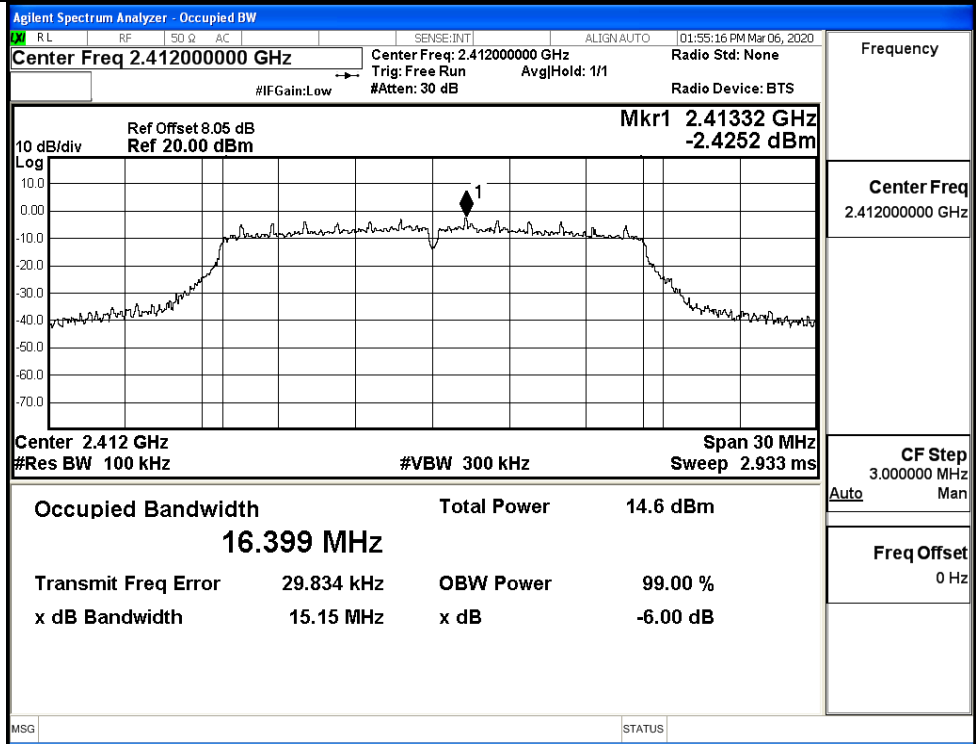


Frequency	2.43700000 GHz
Center Freq	2.43700000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

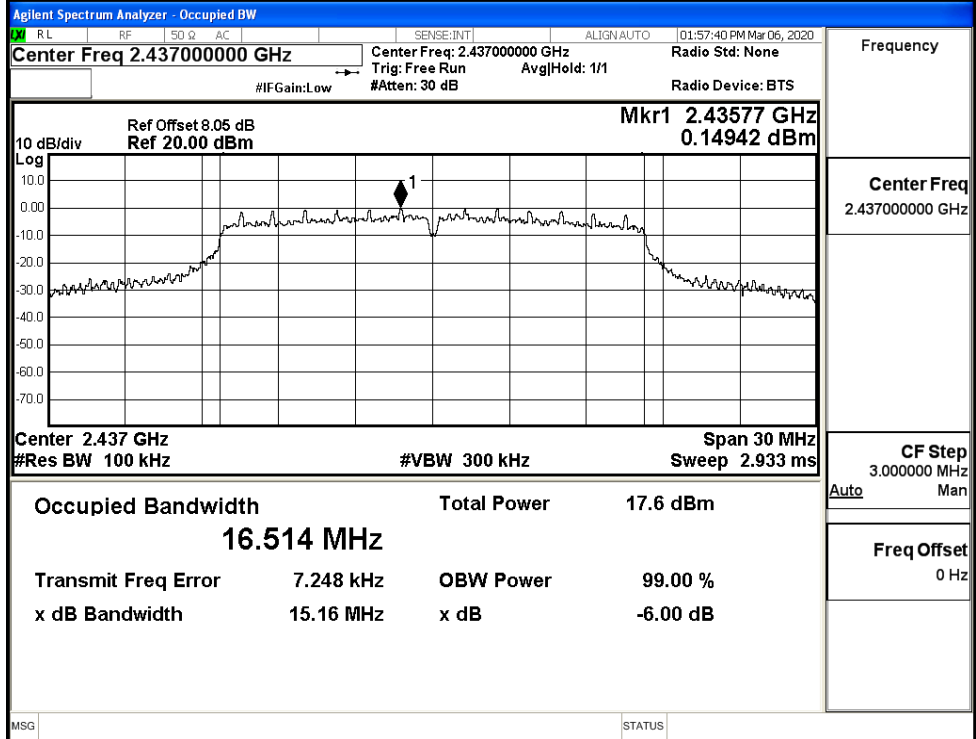
11B/HCH



11G/LCH



11G/MCH



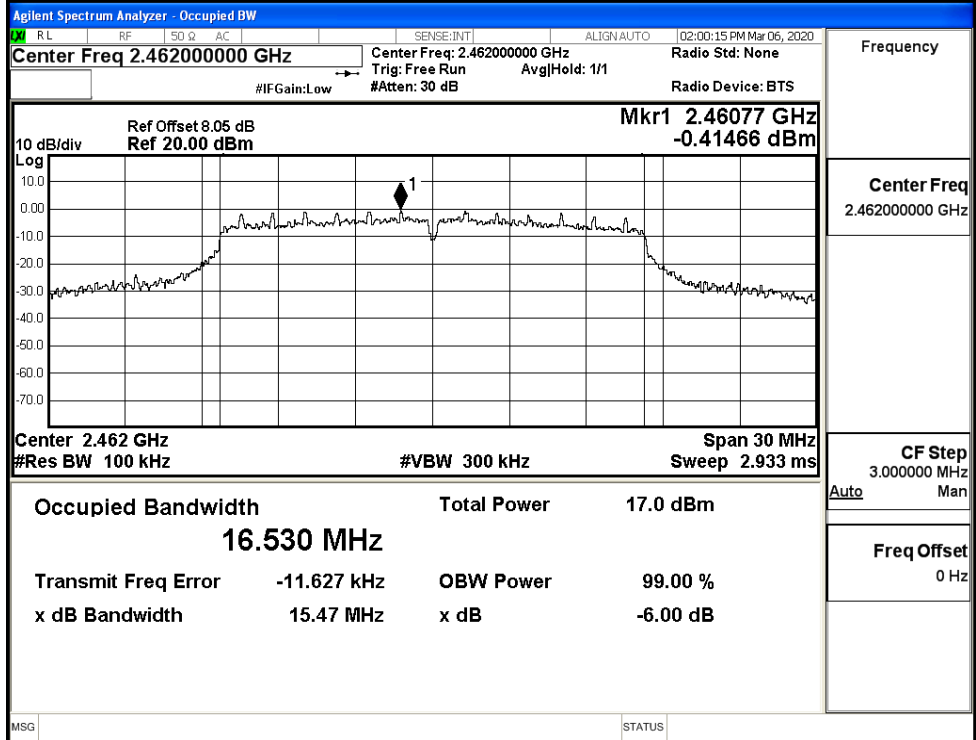
Frequency

Center Freq  
2.43700000 GHz

CF Step  
3.000000 MHz

Freq Offset  
0 Hz

11G/HCH



Frequency

Center Freq  
2.46200000 GHz

CF Step  
3.000000 MHz

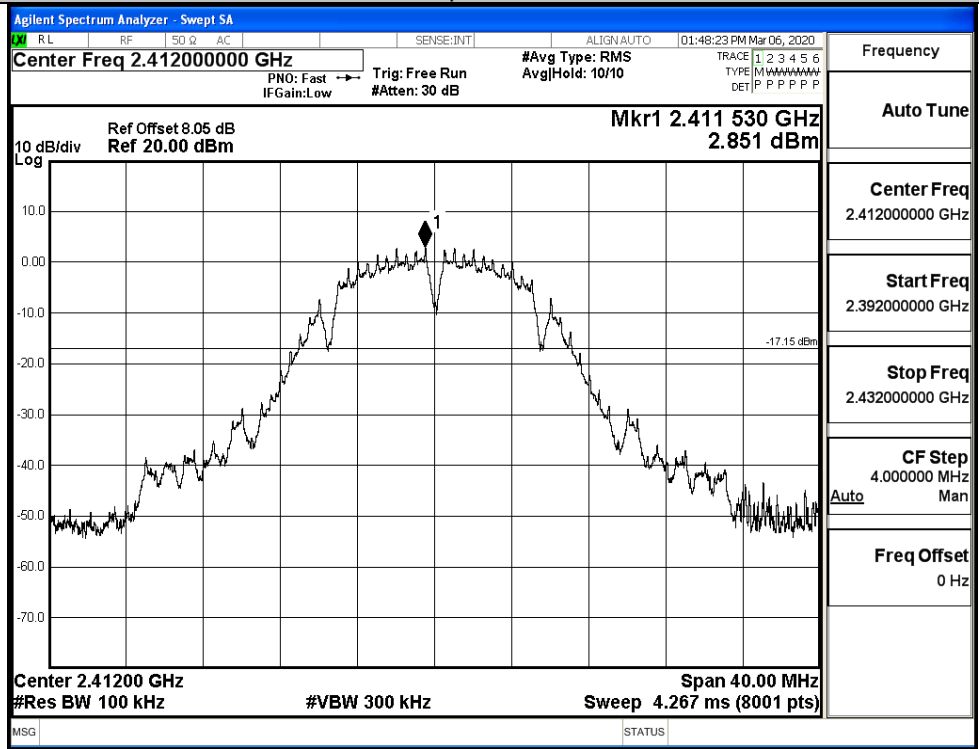
Freq Offset  
0 Hz

**A.5 RF Conducted Spurious Emissions**

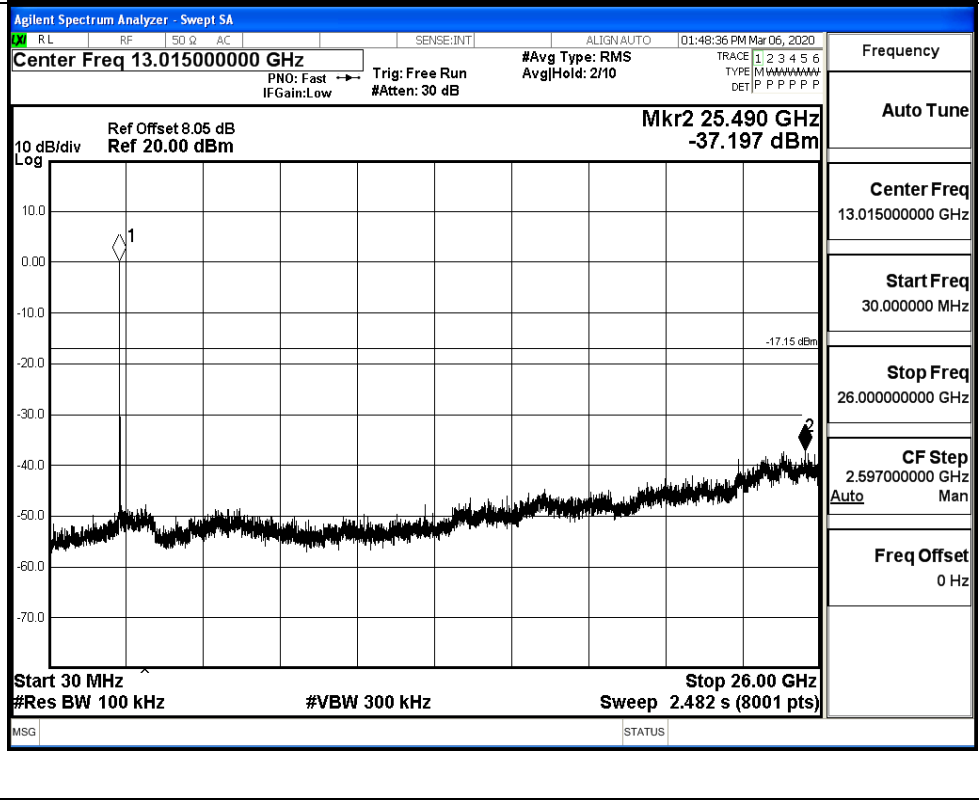
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.851	-37.197	-17.149	PASS
	MCH	3.548	-37.033	-16.452	PASS
	HCH	2.923	-38.133	-17.077	PASS
11G	LCH	-2.481	-37.773	-22.481	PASS
	MCH	-5.256	-37.409	-25.256	PASS
	HCH	-0.182	-37.758	-20.182	PASS

11B\_LCH\_Graphs

Pref/11B/LCH



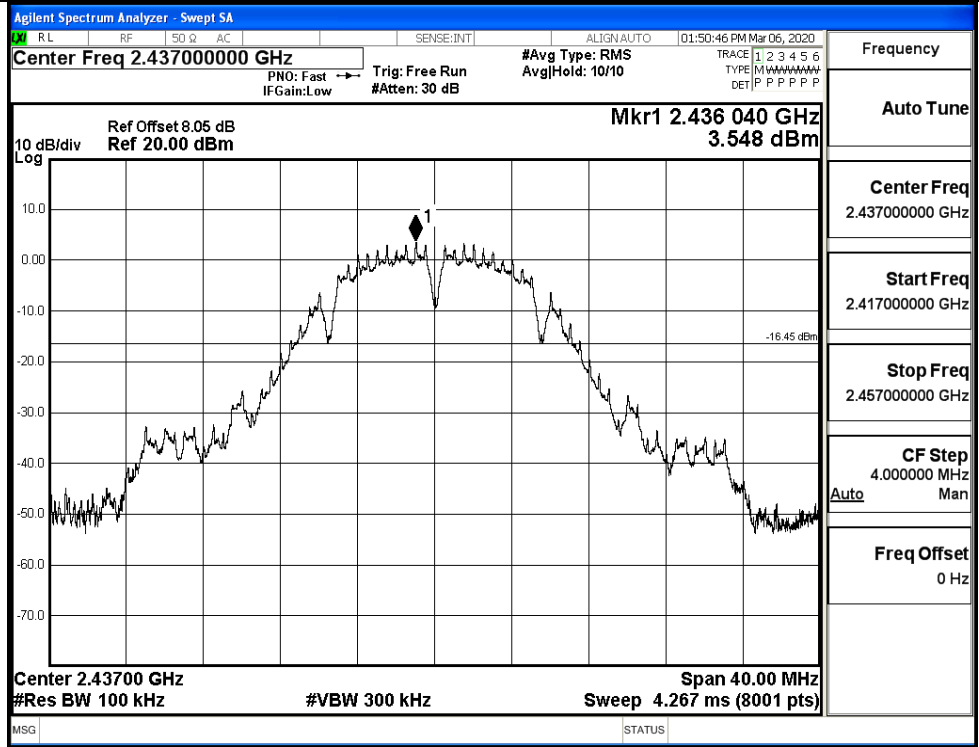
Puw/11B/LCH





11B\_MCH\_Graphs

Pref/11B/MCH

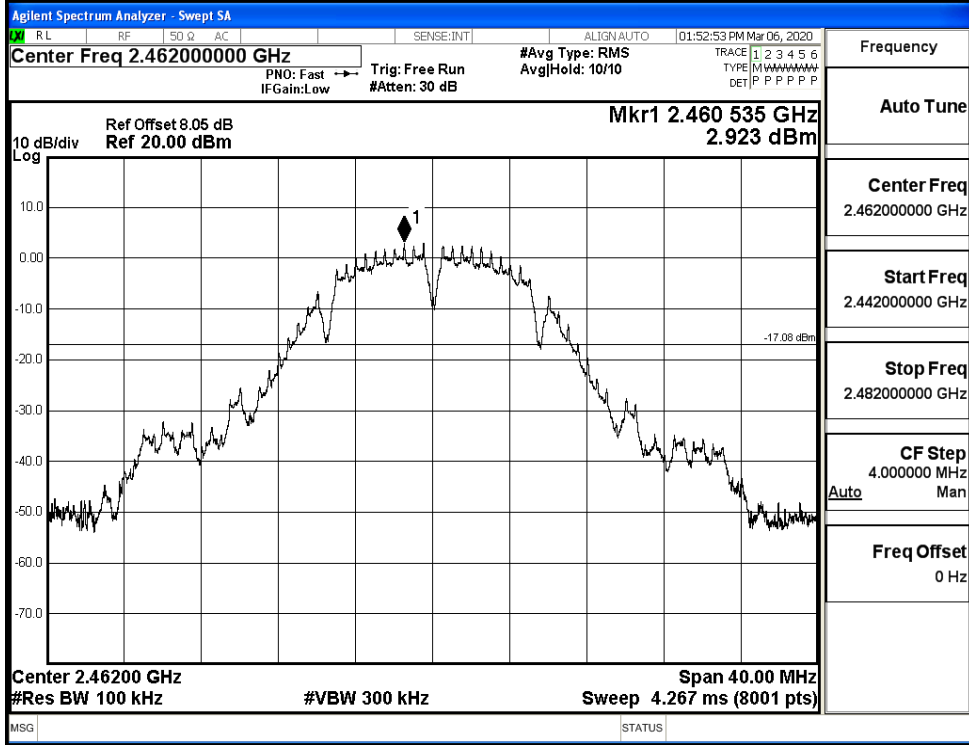


Puw/11B/MCH

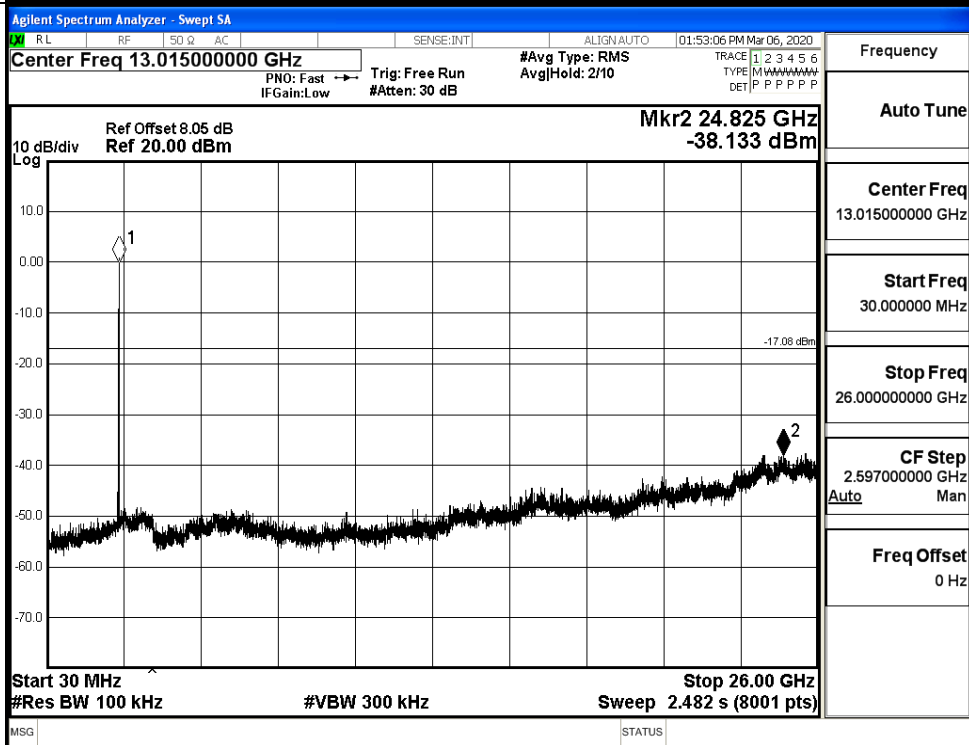


11B\_HCH\_Graphs

Pref/11B/HCH

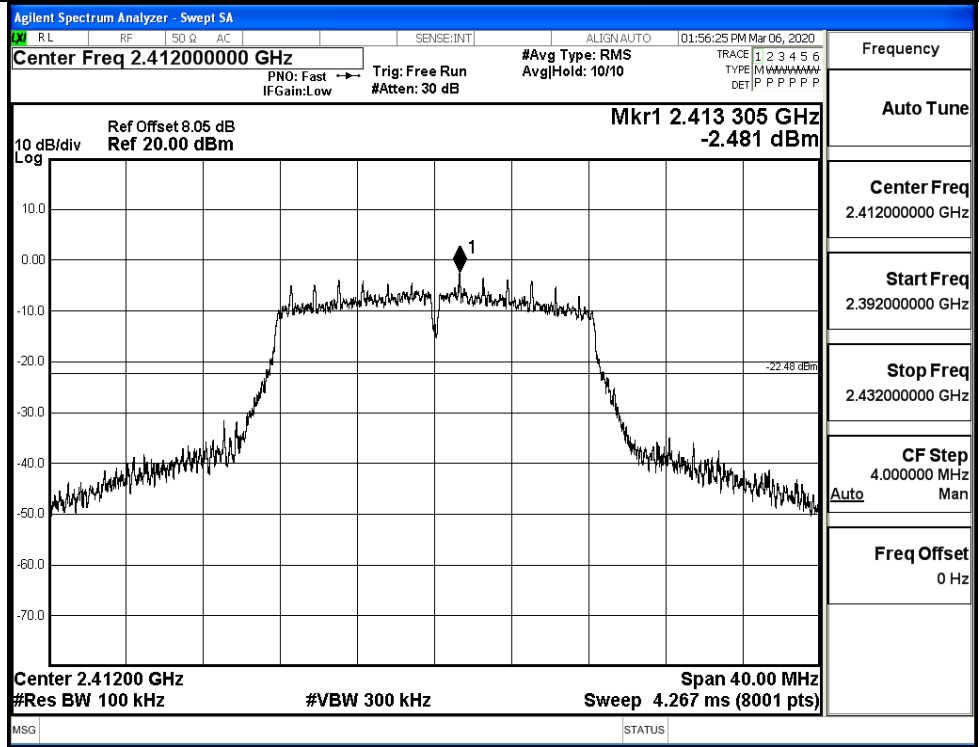


Puw/11B/HCH

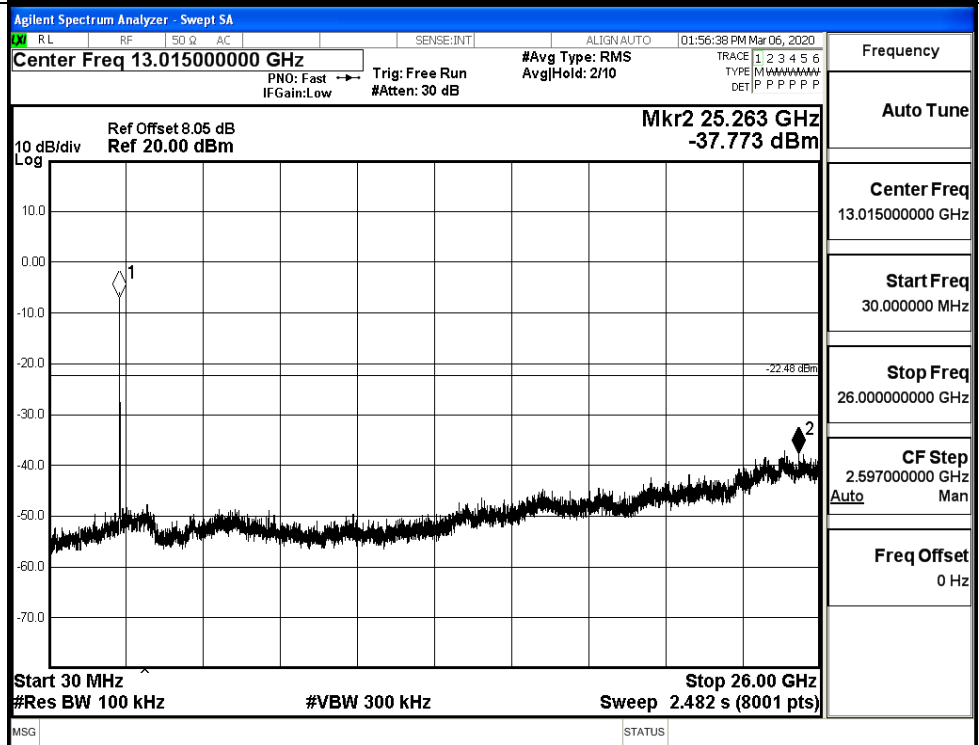


11G\_LCH\_Graphs

Pref/11G/LCH

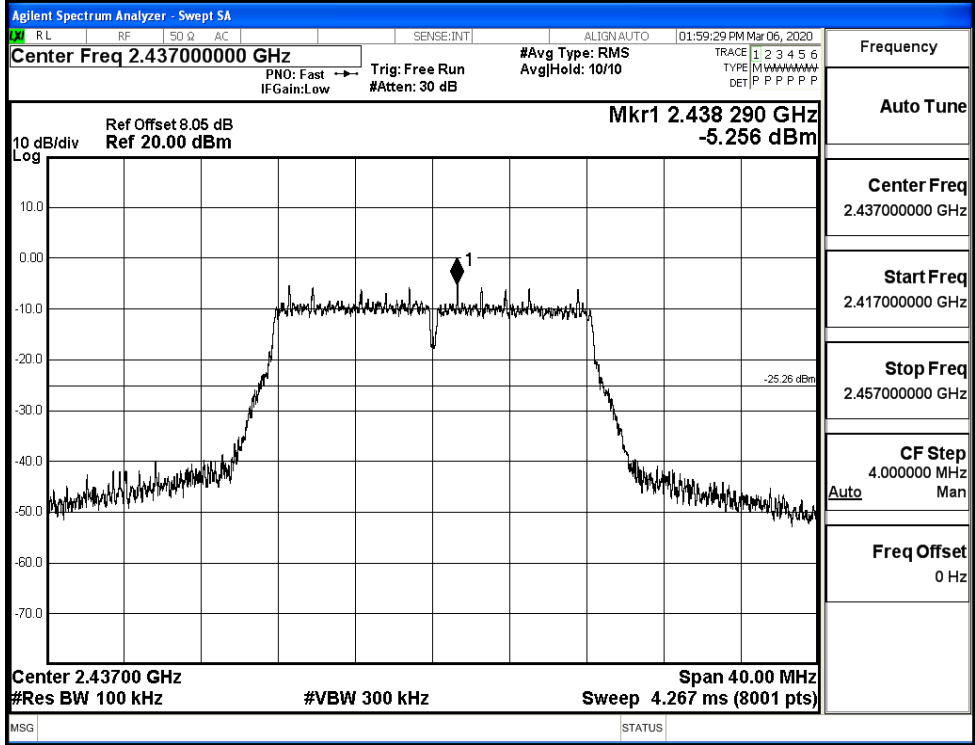


Puw/11G/LCH

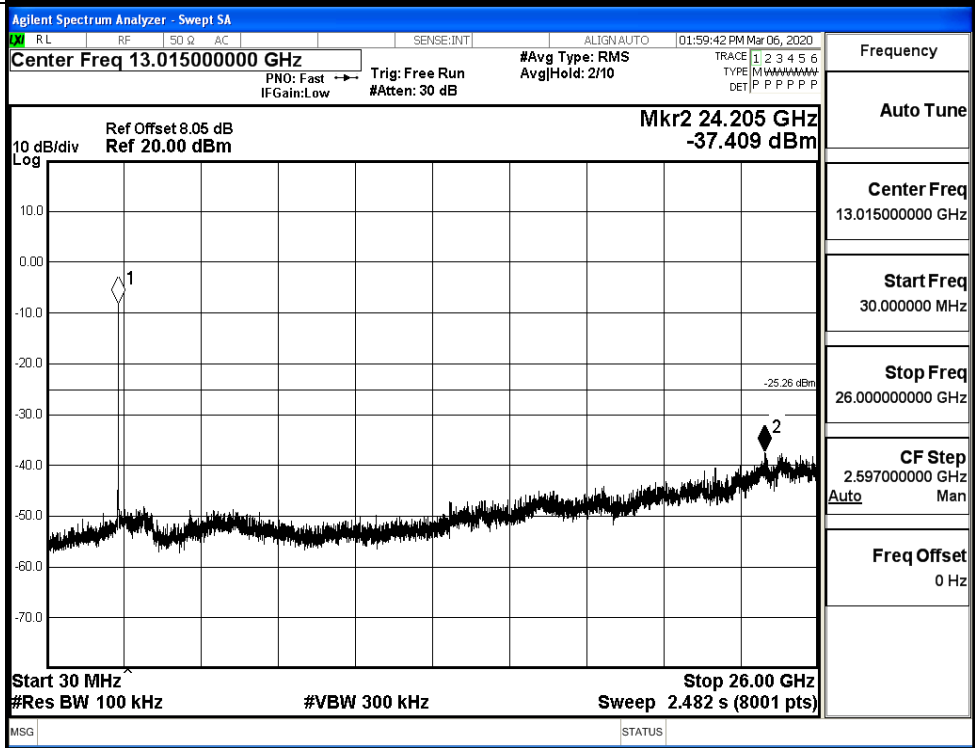


11G\_MCH\_Graphs

Pref/11G/MCH

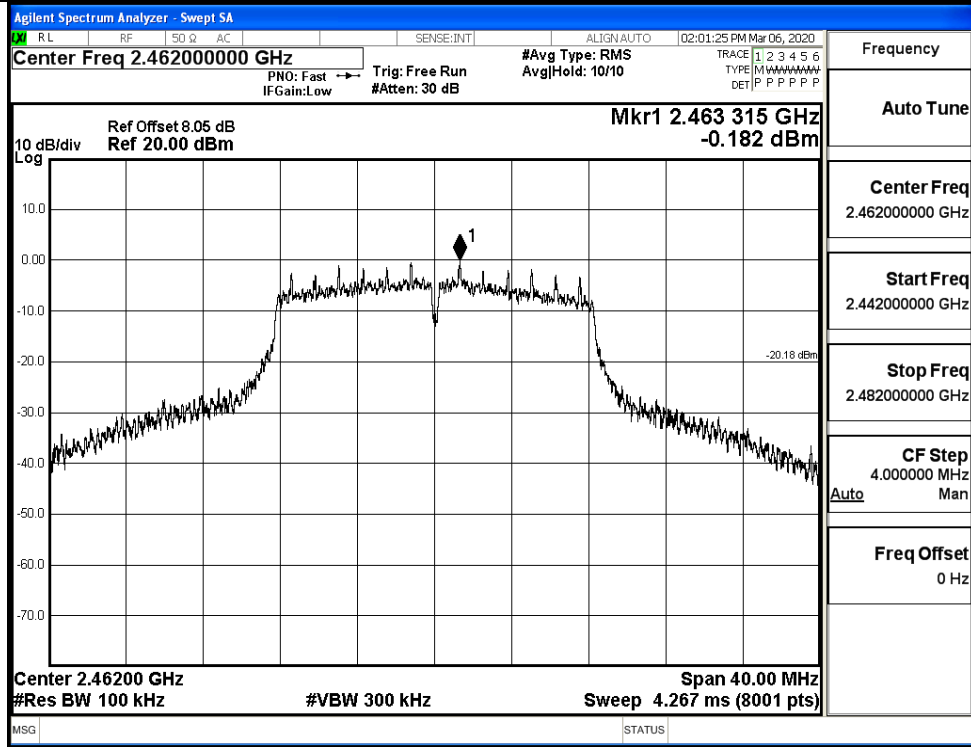


Puw/11G/MCH

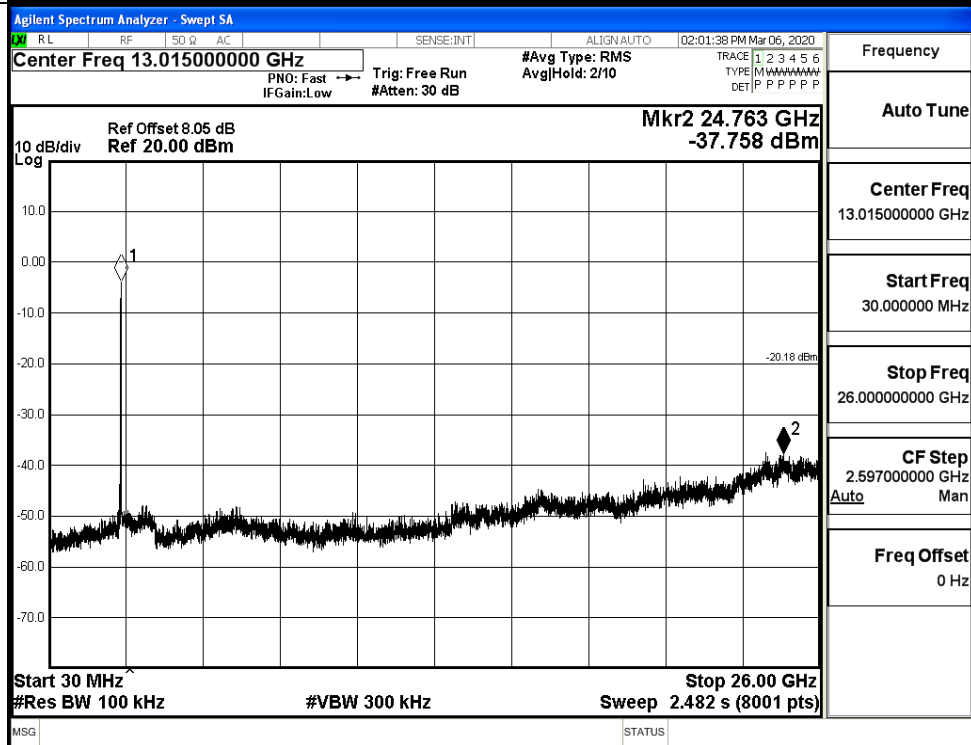


11G\_HCH\_Graphs

Pref/11G/HCH



Puw/11G/HCH

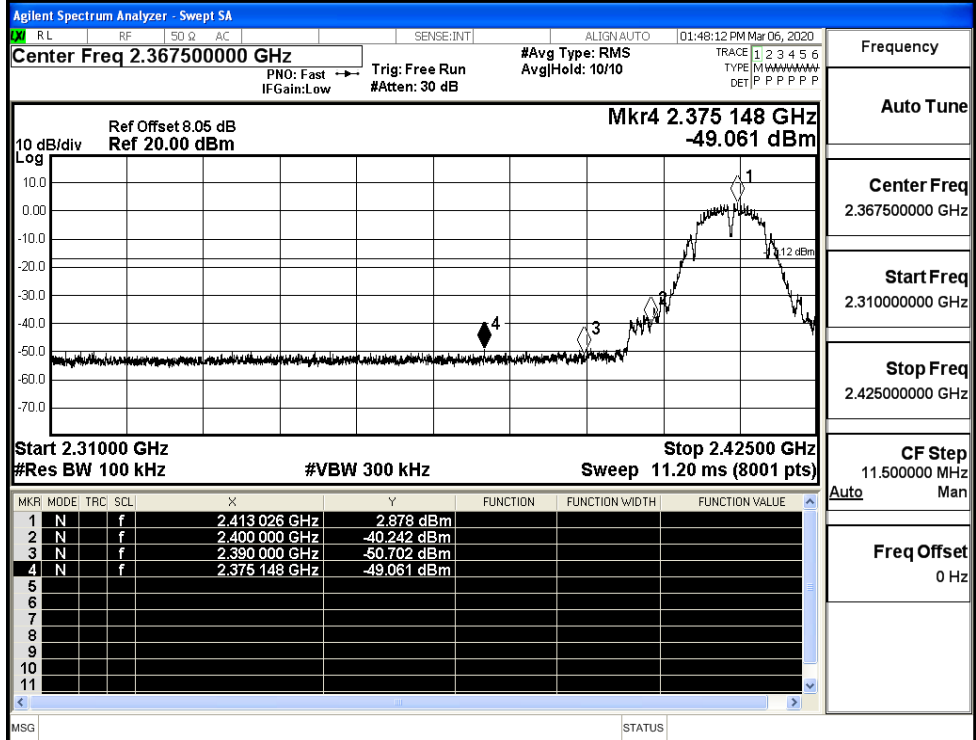


**A.6 Band-edge for RF Conducted Emissions**

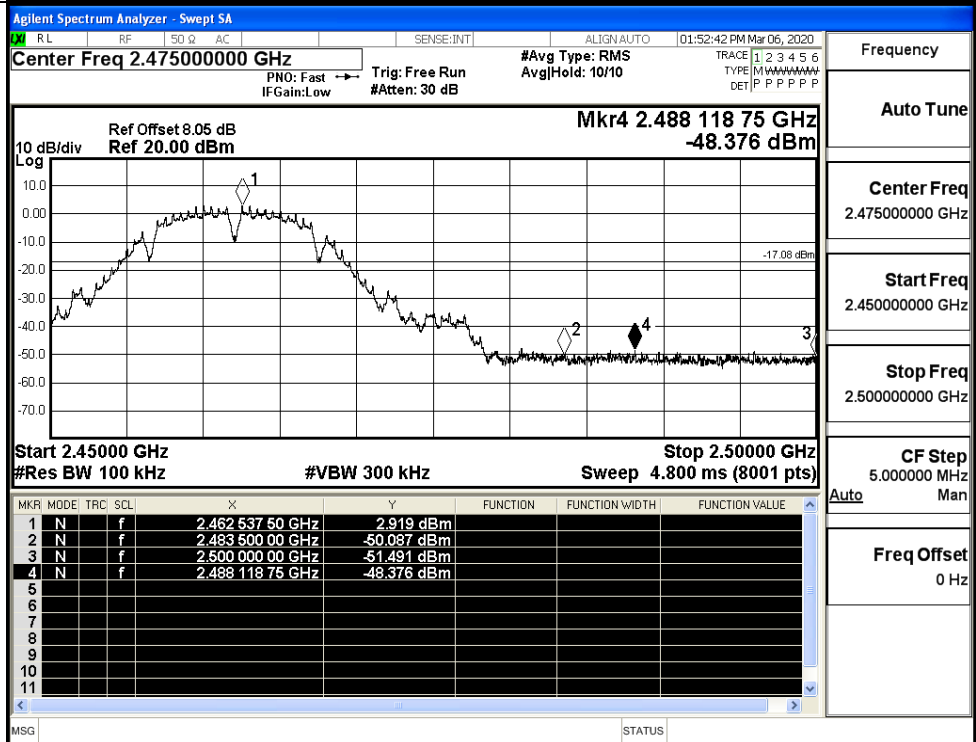
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.878	-49.061	-17.12	PASS
	HCH	2.919	-48.376	-17.08	PASS
11G	LCH	-2.772	-48.371	-22.77	PASS
	HCH	-1.240	-43.020	-21.24	PASS

Test Graphs

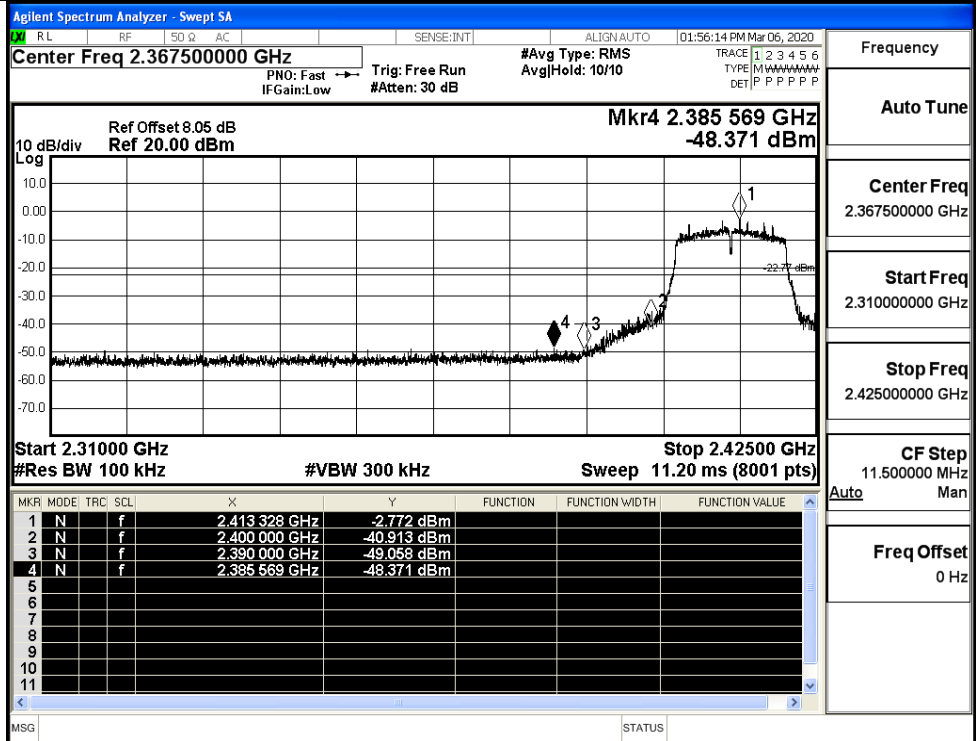
11B/LCH



11B/HCH

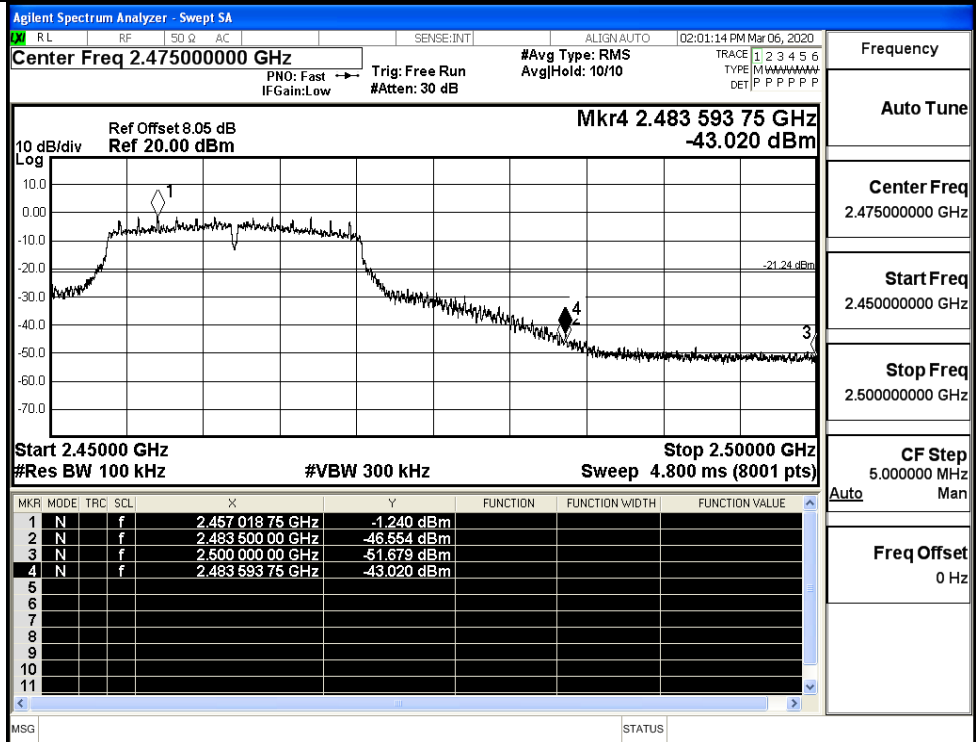


11G/LCH



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

11G/HCH



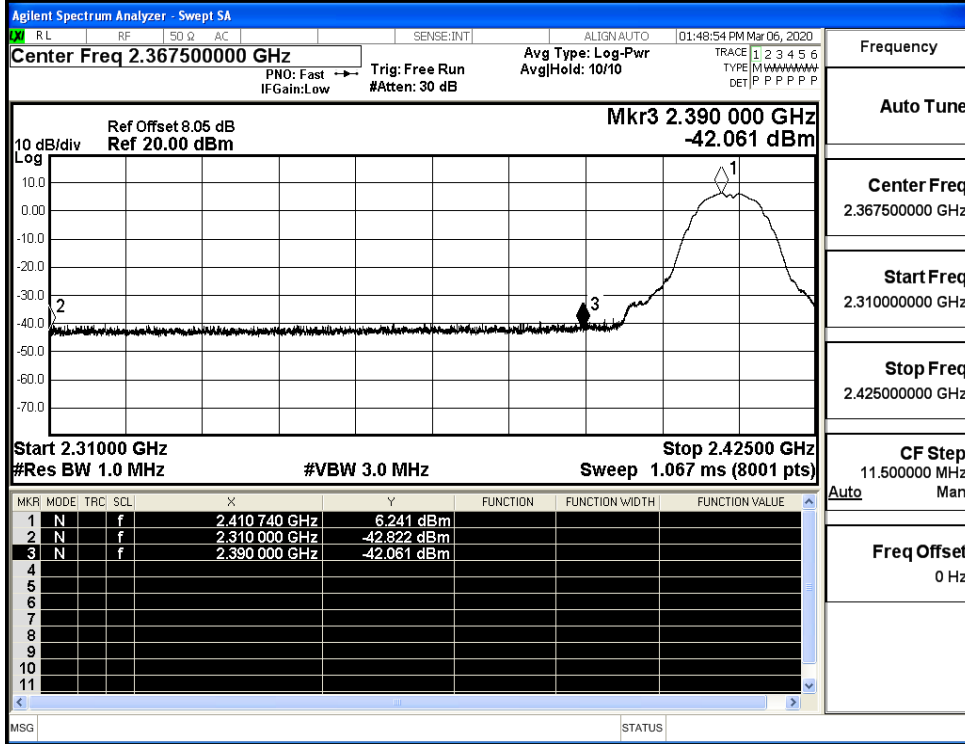
Frequency	
Auto Tune	
Center Freq	2.475000000 GHz
Start Freq	2.450000000 GHz
Stop Freq	2.500000000 GHz
CF Step	5.000000 MHz
Auto	Man
Freq Offset	0 Hz



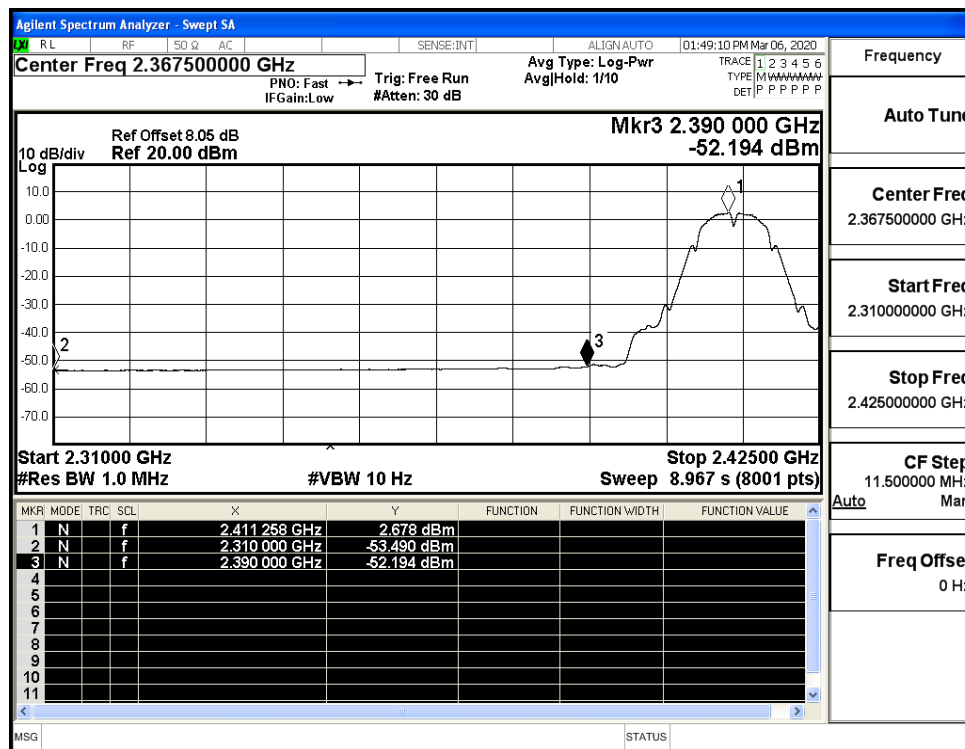
## A.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
11B	2412	Ant0	2310.0	-42.82	2.5	0	54.91	PEAK	74	PASS
	2412	Ant0	2310.0	-53.49	2.5	0	44.24	AV	54	PASS
	2412	Ant0	2390.0	-42.06	2.5	0	55.67	PEAK	74	PASS
	2412	Ant0	2390.0	-52.19	2.5	0	45.54	AV	54	PASS
	2462	Ant0	2483.5	-42.30	2.5	0	55.43	PEAK	74	PASS
	2462	Ant0	2483.5	-51.82	2.5	0	45.91	AV	54	PASS
	2462	Ant0	2500.0	-42.40	2.5	0	55.33	PEAK	74	PASS
	2462	Ant0	2500.0	-52.41	2.5	0	45.32	AV	54	PASS
11G	2412	Ant0	2310.0	-42.56	2.5	0	55.17	PEAK	74	PASS
	2412	Ant0	2310.0	-53.47	2.5	0	44.26	AV	54	PASS
	2412	Ant0	2390.0	-40.07	2.5	0	57.66	PEAK	74	PASS
	2412	Ant0	2390.0	-51.24	2.5	0	46.49	AV	54	PASS
	2462	Ant0	2483.5	-31.39	2.5	0	66.34	PEAK	74	PASS
	2462	Ant0	2483.5	-47.21	2.5	0	50.52	AV	54	PASS
	2462	Ant0	2500.0	-42.10	2.5	0	55.63	PEAK	74	PASS
	2462	Ant0	2500.0	-51.91	2.5	0	45.82	AV	54	PASS

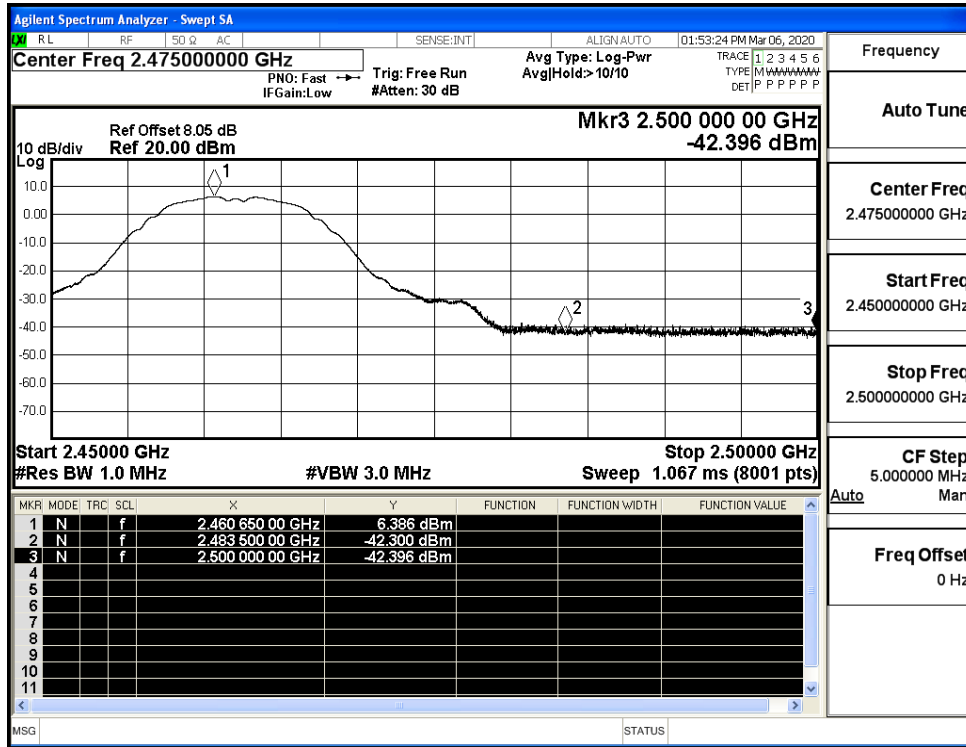
Restrict-band band-edge measurements\_11B\_2412\_Ant0\_PEAK



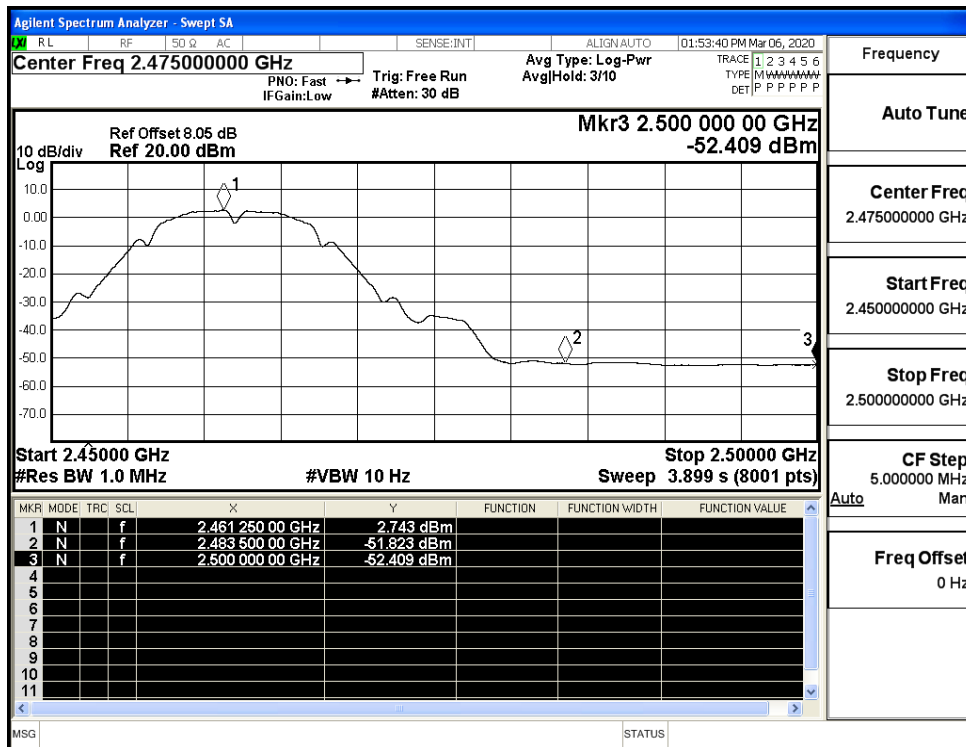
Restrict-band band-edge measurements\_11B\_2412\_Ant0\_AV



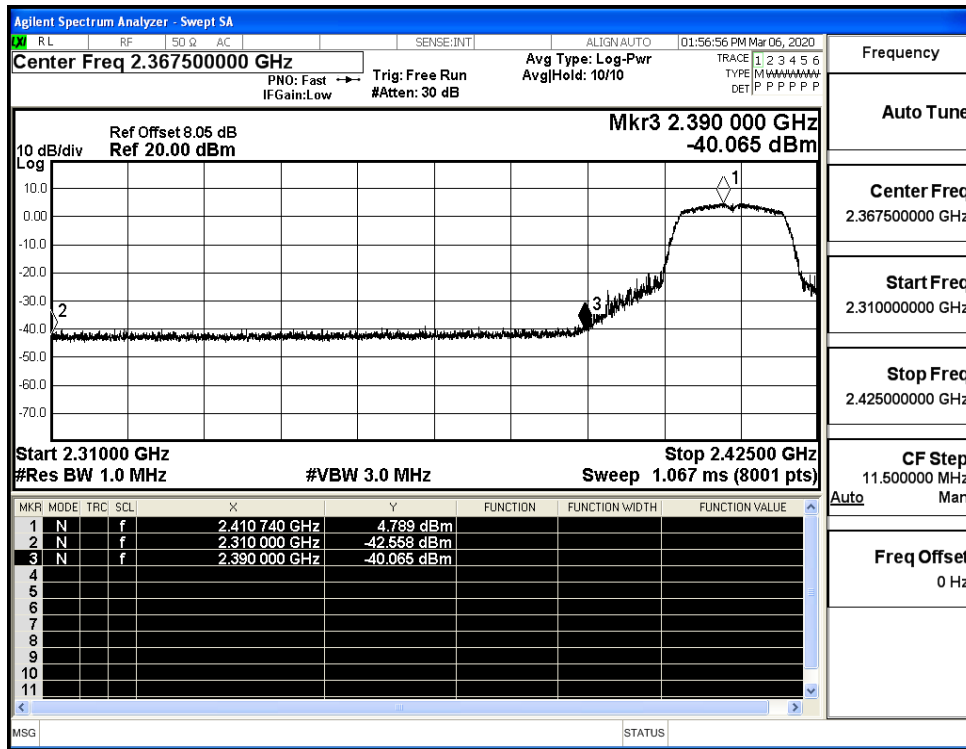
Restrict-band band-edge measurements\_11B\_2462\_Ant0\_PEAK



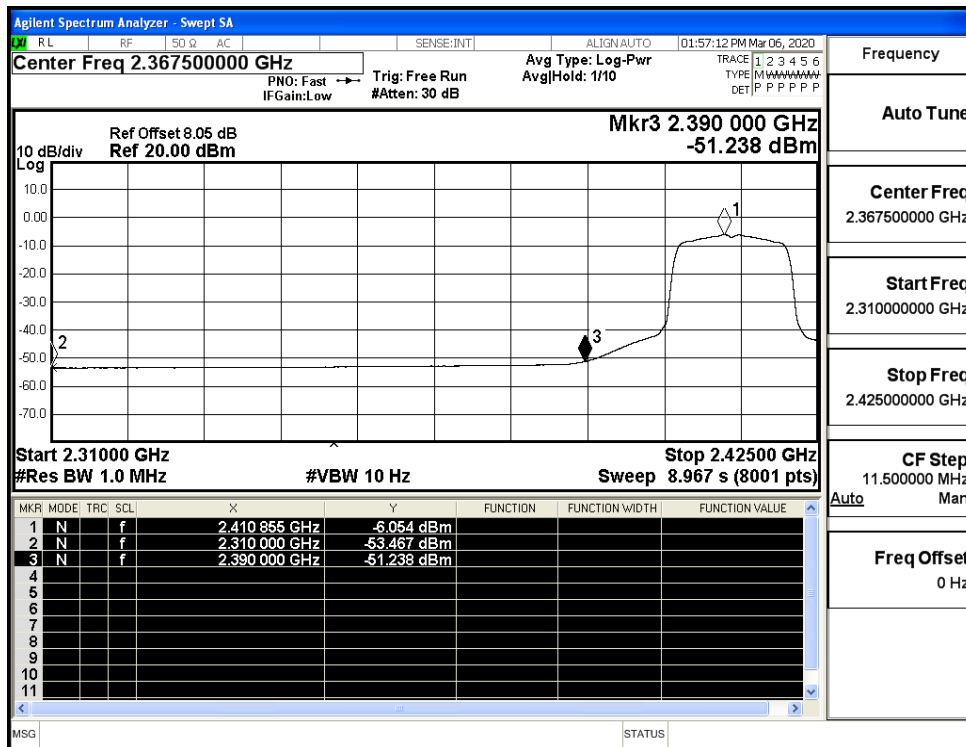
Restrict-band band-edge measurements\_11B\_2462\_Ant0\_AV



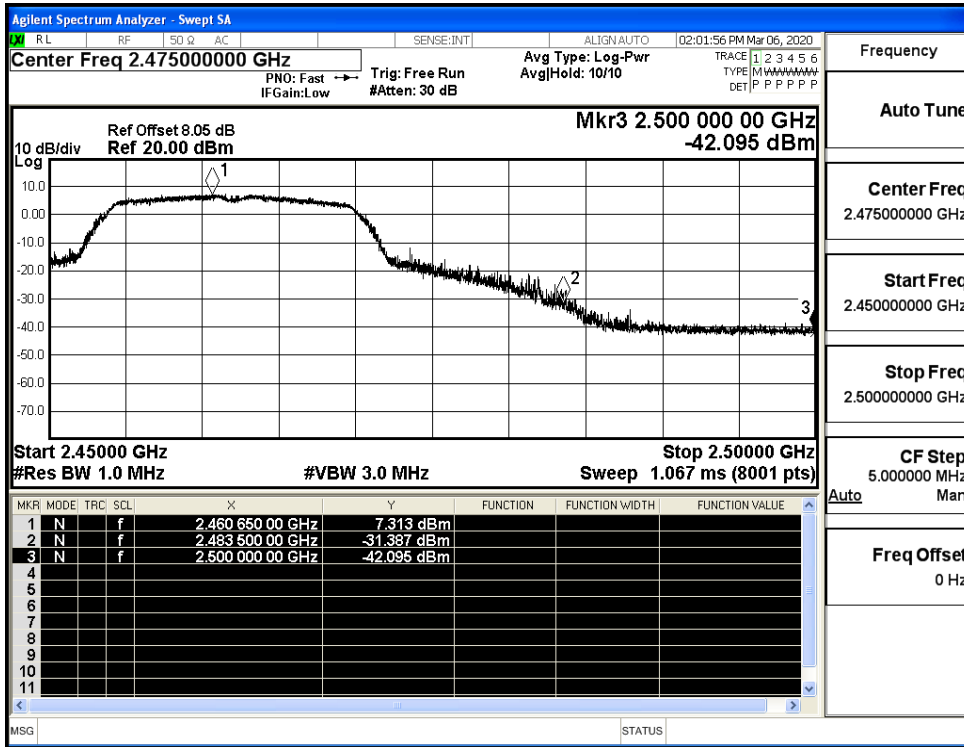
Restrict-band band-edge measurements\_11G\_2412\_Ant0\_PEAK



Restrict-band band-edge measurements\_11G\_2412\_Ant0\_AV



Restrict-band band-edge measurements\_11G\_2462\_Ant0\_PEAK



Restrict-band band-edge measurements\_11G\_2462\_Ant0\_AV

