

## Appendix C

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

Product Name: All-in-one Tablet  
Trade Mark: STRATATACHE/SCALA  
Test Model: ST156

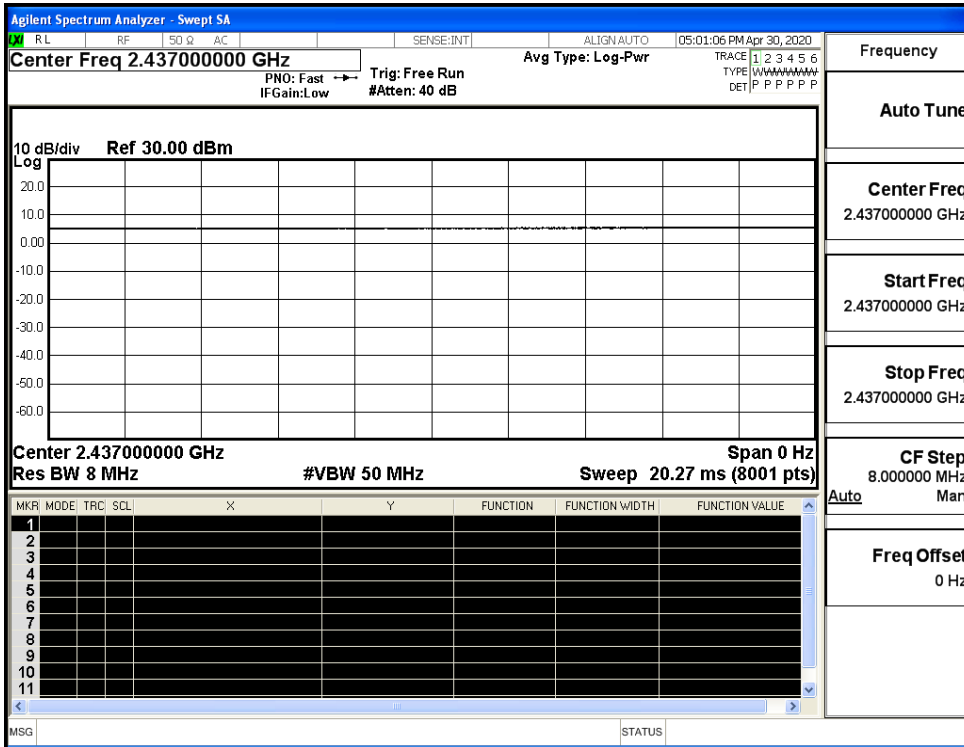
#### Environmental Conditions

Temperature:	23.4 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	David.Luo
Supervised by:	Tom.Liu

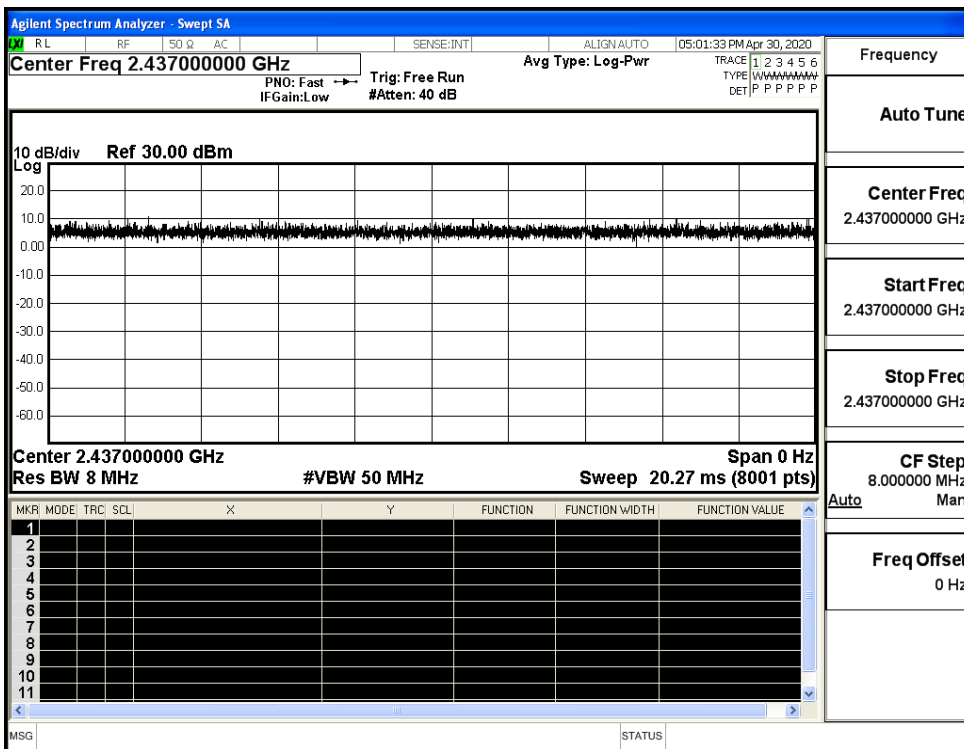
#### C.1 Duty Cycle

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

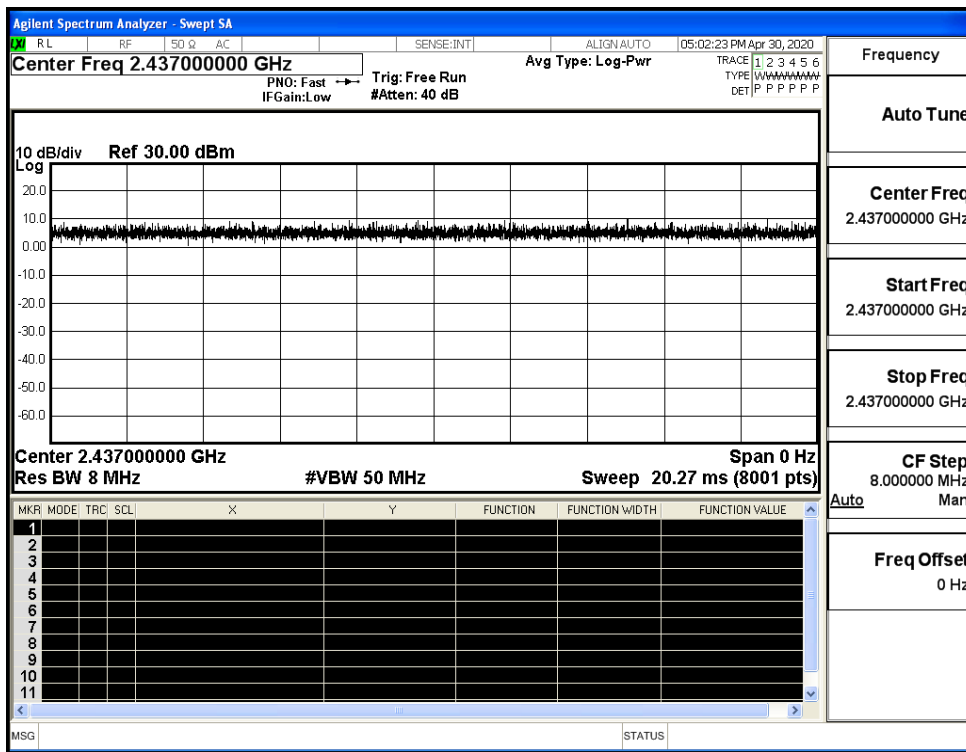
Duty Cycle\_11B\_2437\_Ant1



Duty Cycle\_11G\_2437\_Ant1



Duty Cycle\_11N20SISO\_2437\_Ant1



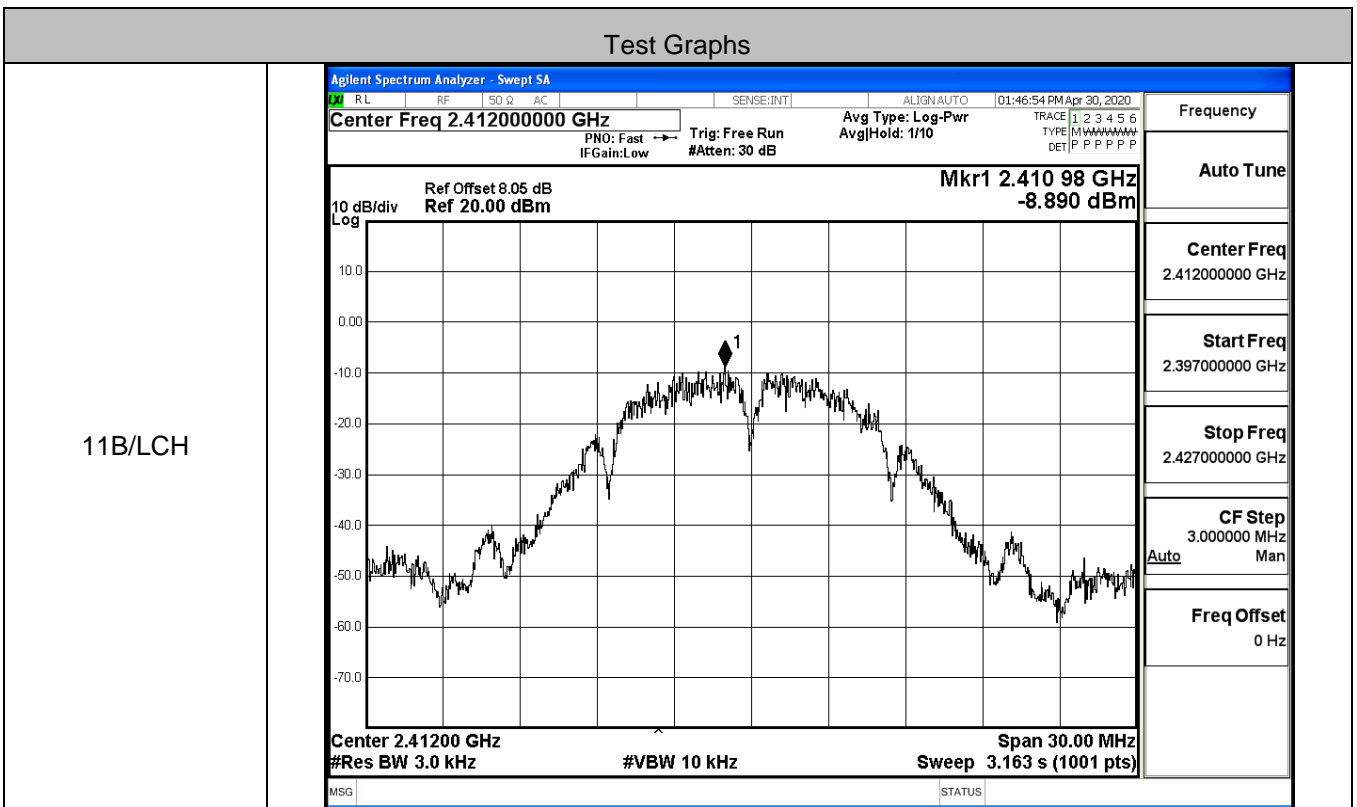
C.2 Maximum Conducted Output Power

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	17.29	30	PASS
	MCH	16.68	30	PASS
	HCH	16.24	30	PASS
11G	LCH	16.91	30	PASS
	MCH	16.32	30	PASS
	HCH	15.6	30	PASS
11N20SISO	LCH	15.25	30	PASS
	MCH	14.87	30	PASS
	HCH	14.15	30	PASS

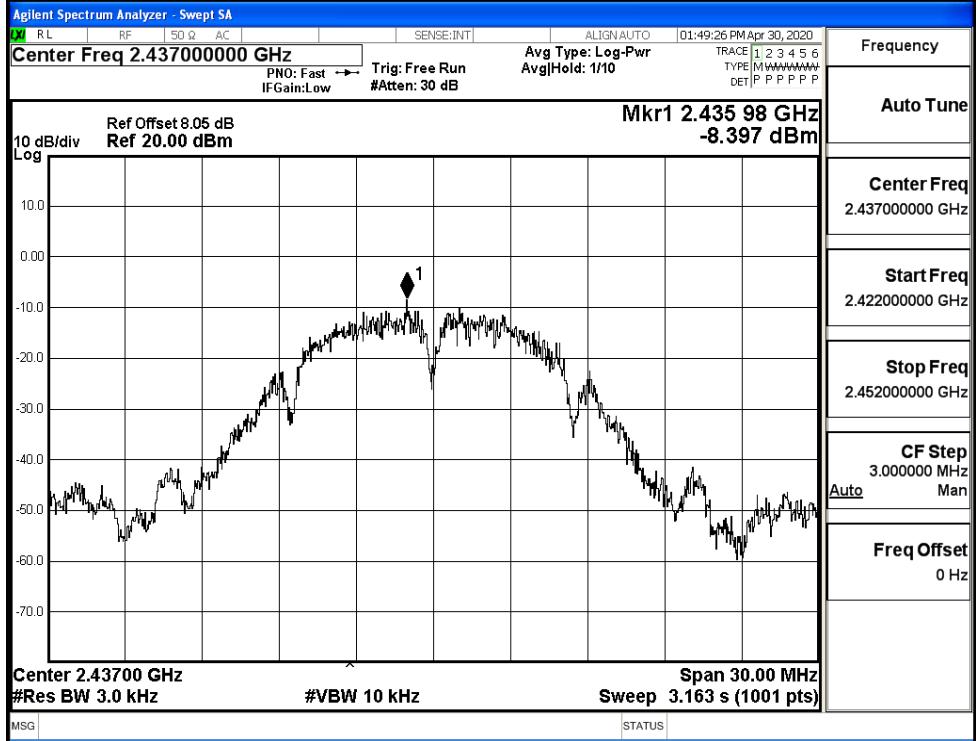
### C.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-8.890	8	PASS
	MCH	-8.397	8	PASS
	HCH	-8.399	8	PASS
11G	LCH	-15.617	8	PASS
	MCH	-15.389	8	PASS
	HCH	-16.926	8	PASS
11N20SISO	LCH	-16.606	8	PASS
	MCH	-17.389	8	PASS
	HCH	-18.002	8	PASS

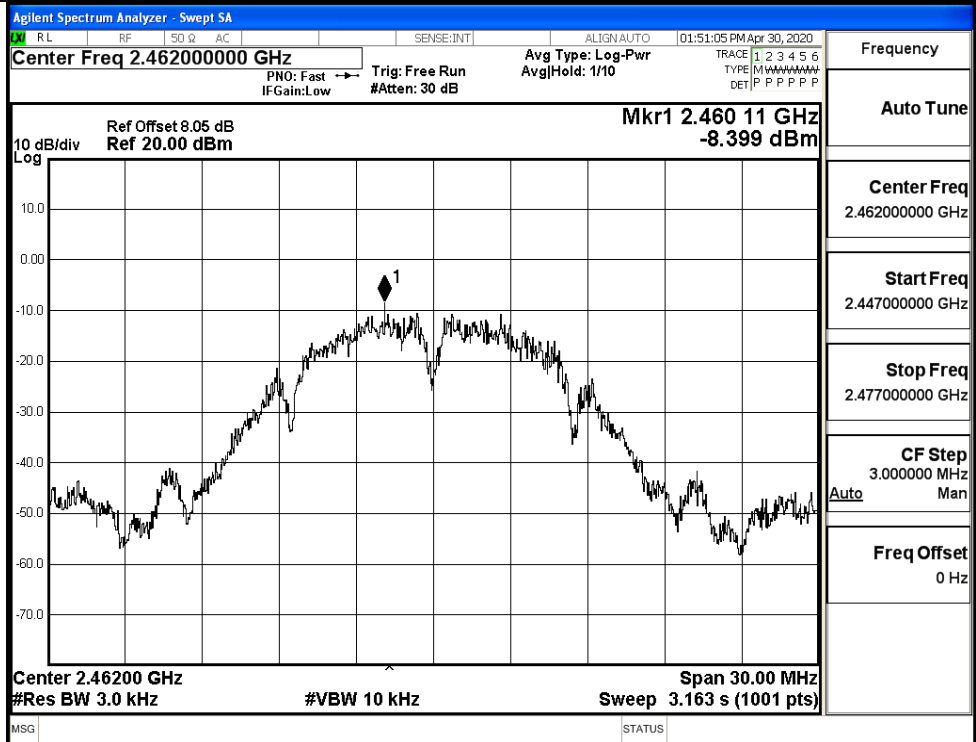
#### Test Graphs



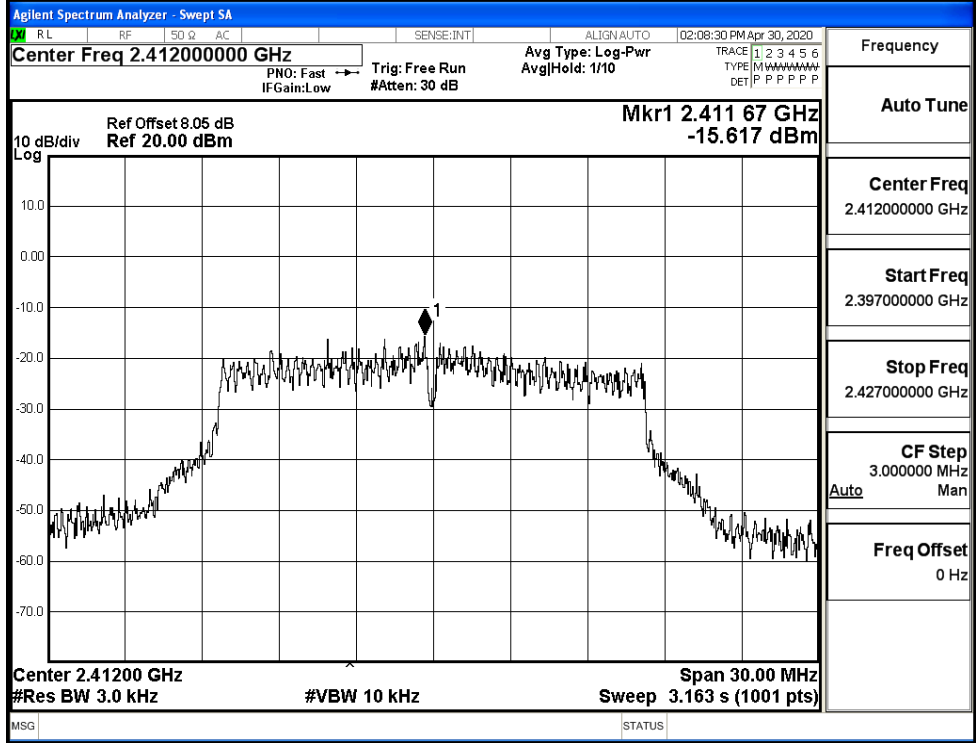
11B/MCH



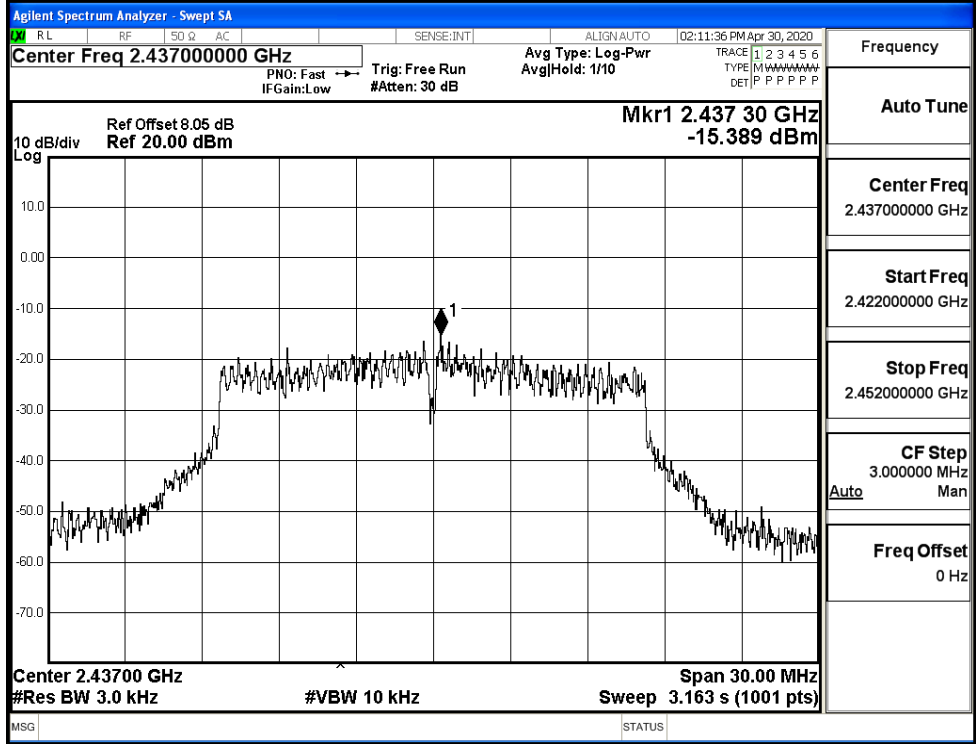
11B/HCH



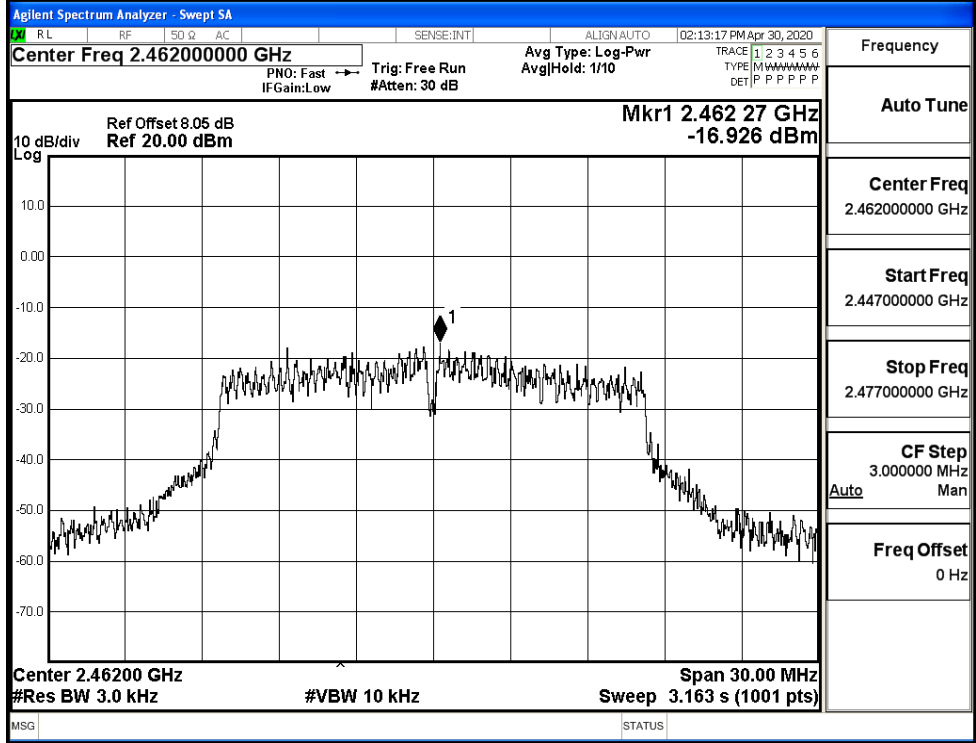
11G/LCH



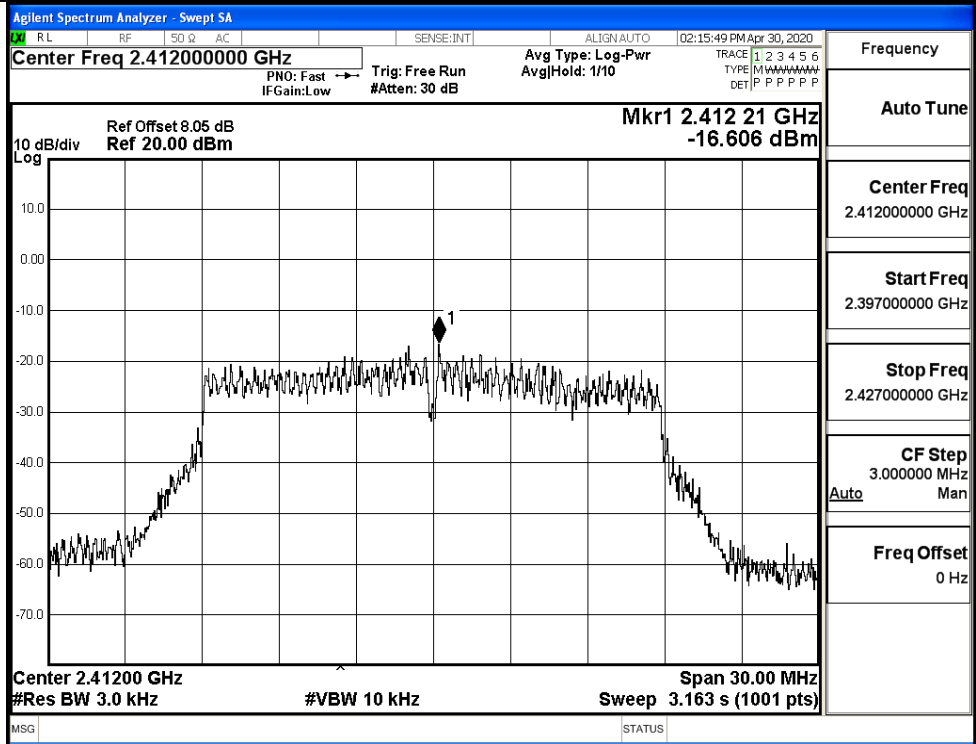
11G/MCH



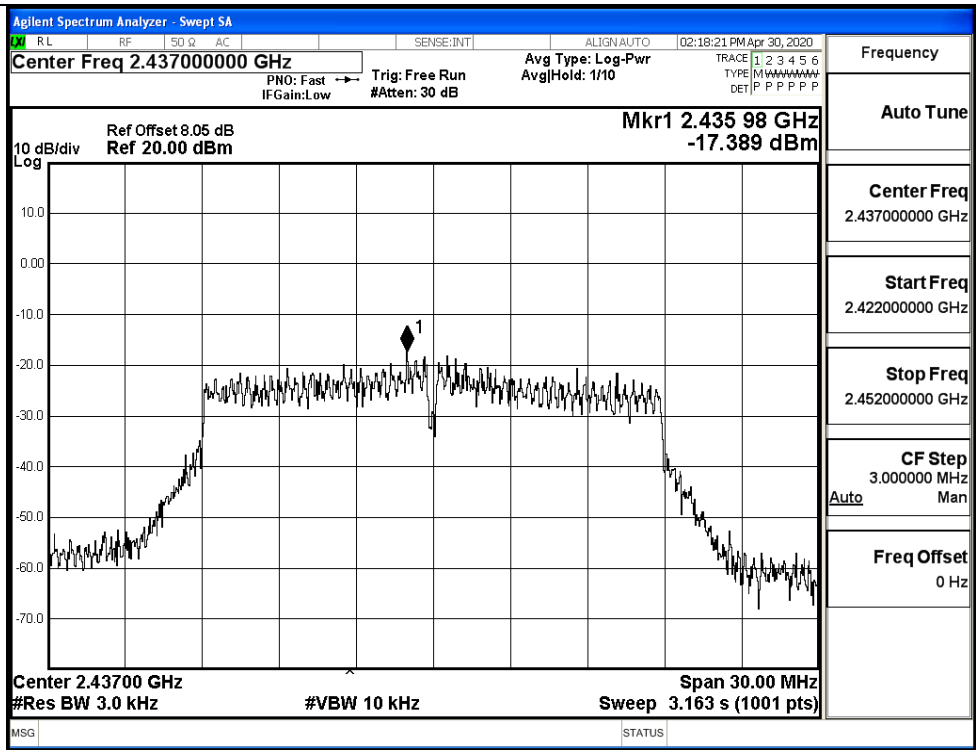
11G/HCH



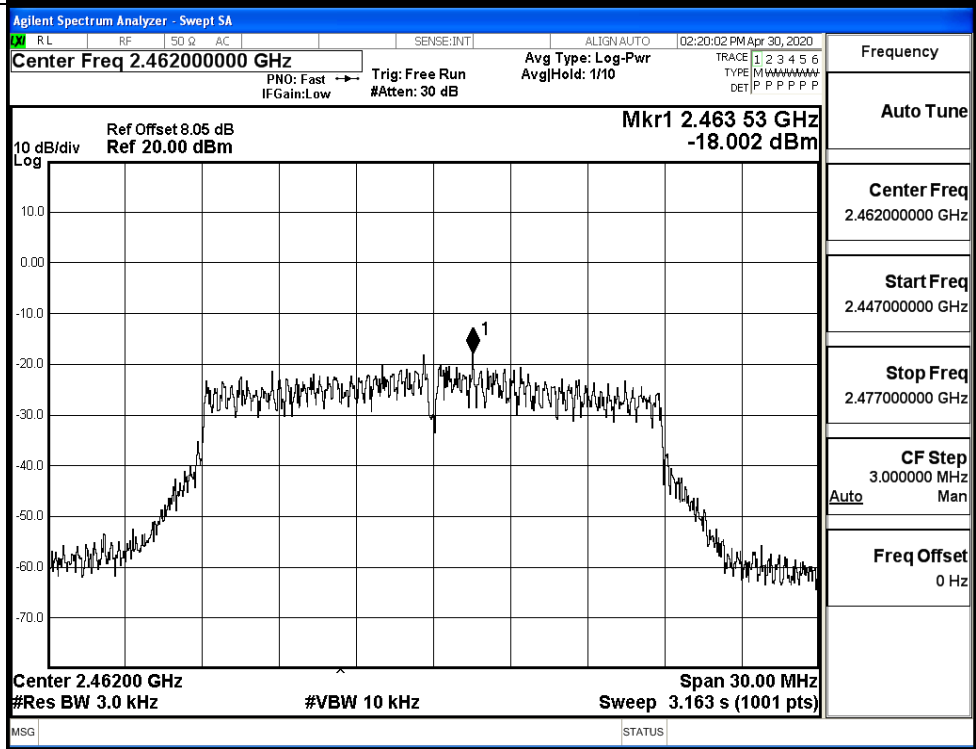
11N20SISO/LCH



11N20SISO/MCH



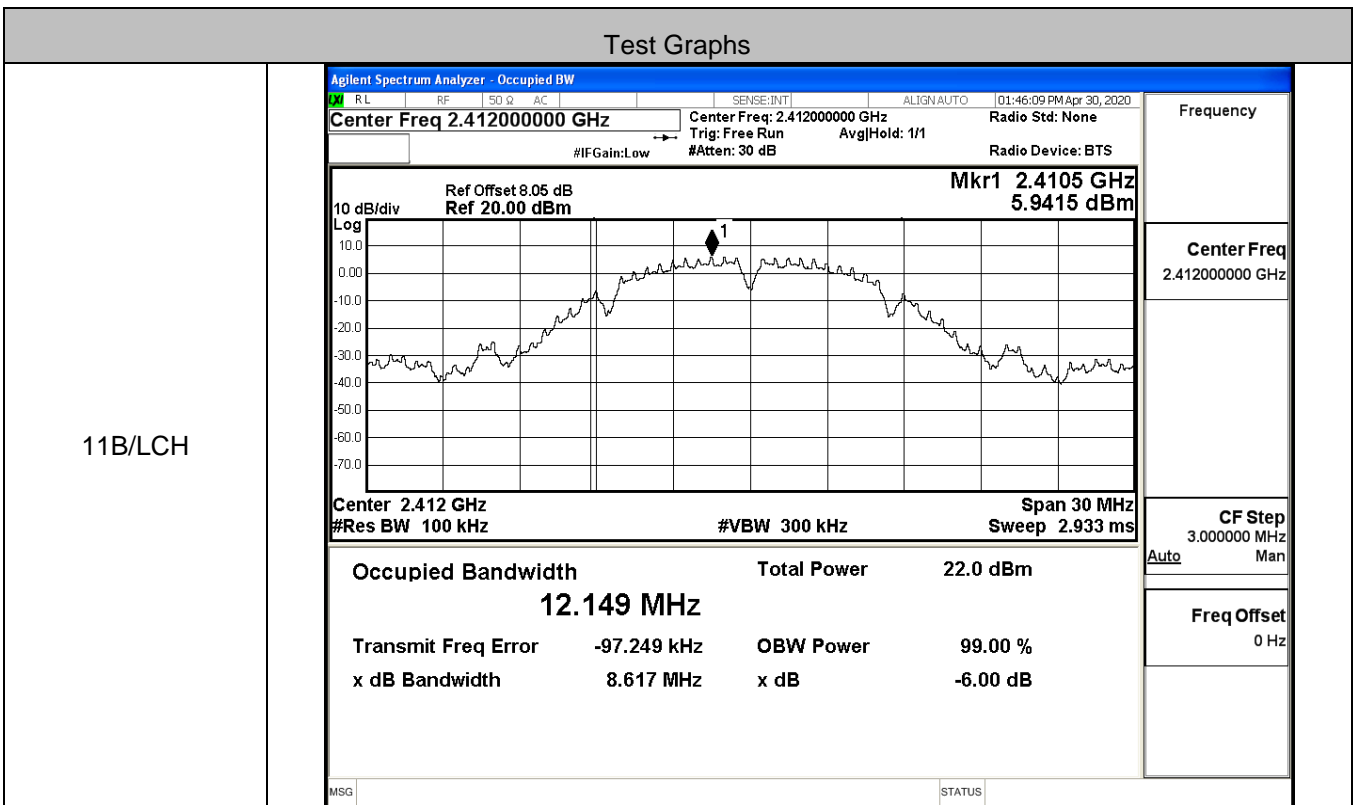
11N20SISO/HCH



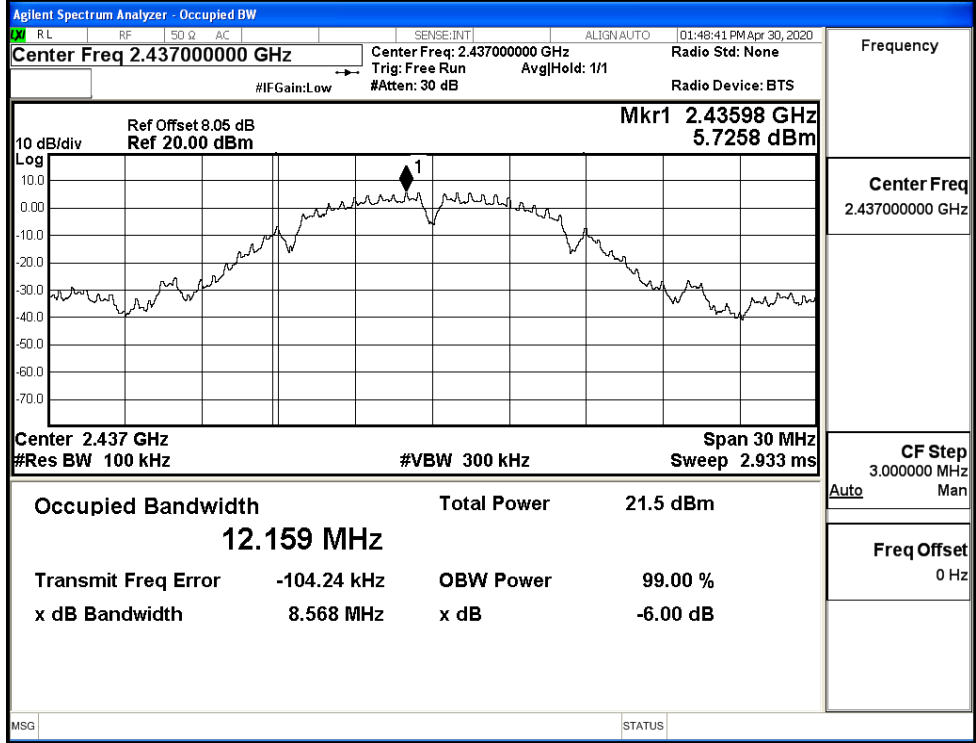


**C.4 6dB Bandwidth**

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.617	≥0.5	PASS
	MCH	8.568	≥0.5	PASS
	HCH	9.046	≥0.5	PASS
11G	LCH	16.09	≥0.5	PASS
	MCH	16.10	≥0.5	PASS
	HCH	16.07	≥0.5	PASS
11N20SISO	LCH	16.57	≥0.5	PASS
	MCH	16.32	≥0.5	PASS
	HCH	16.91	≥0.5	PASS



11B/MCH



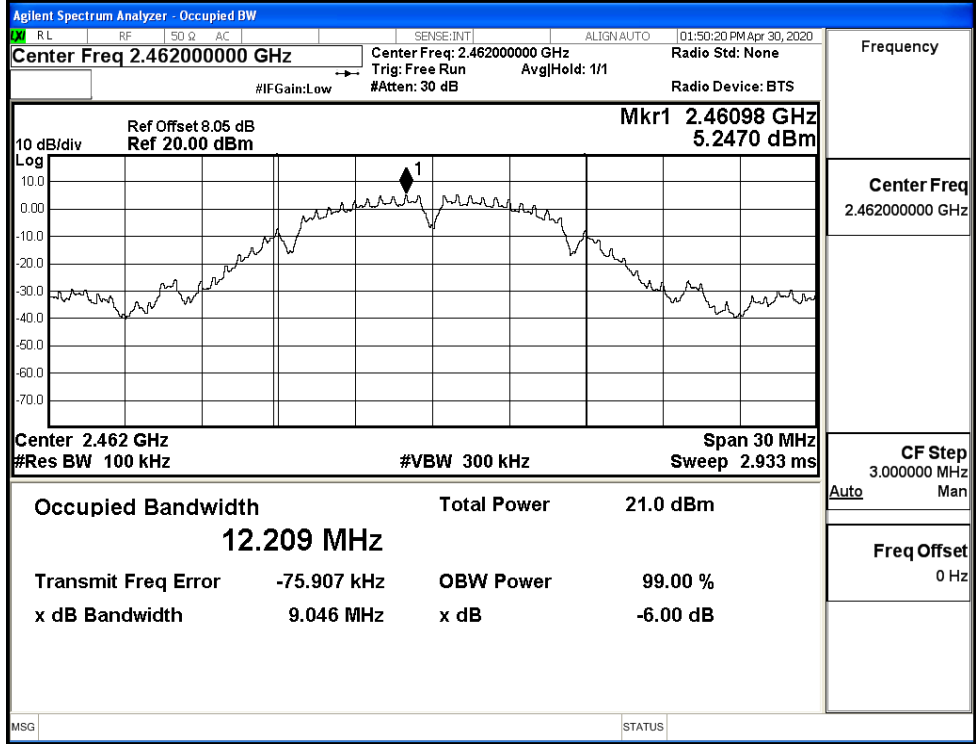
Frequency  
2.43700000 GHz

Center Freq  
2.43700000 GHz

CF Step  
3.000000 MHz  
Auto Man

Freq Offset  
0 Hz

11B/HCH



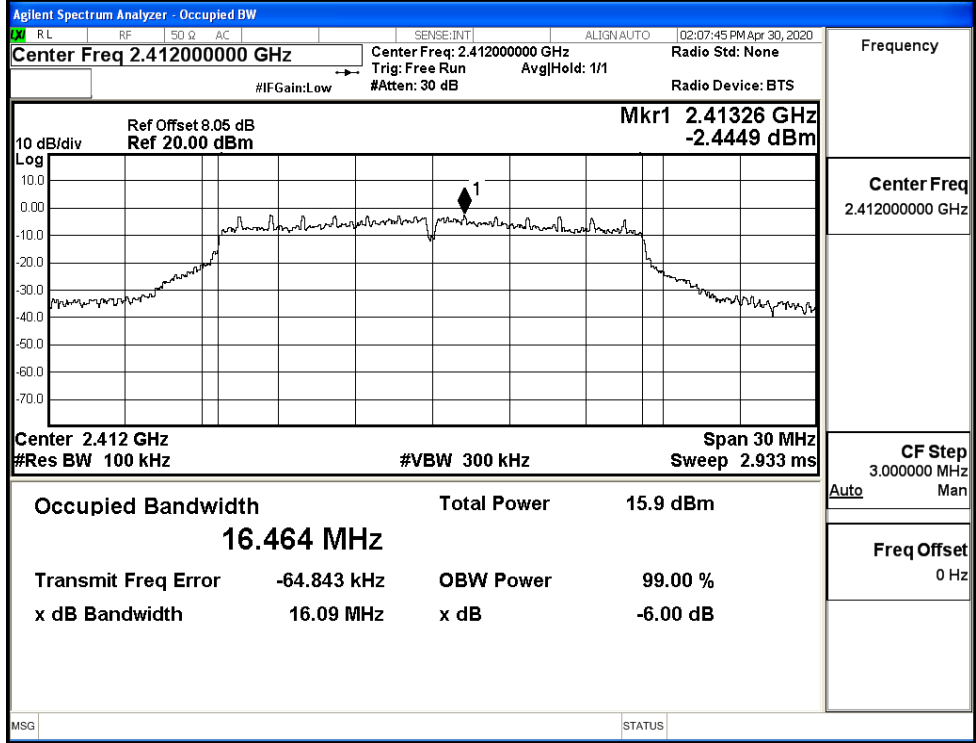
Frequency  
2.46200000 GHz

Center Freq  
2.46200000 GHz

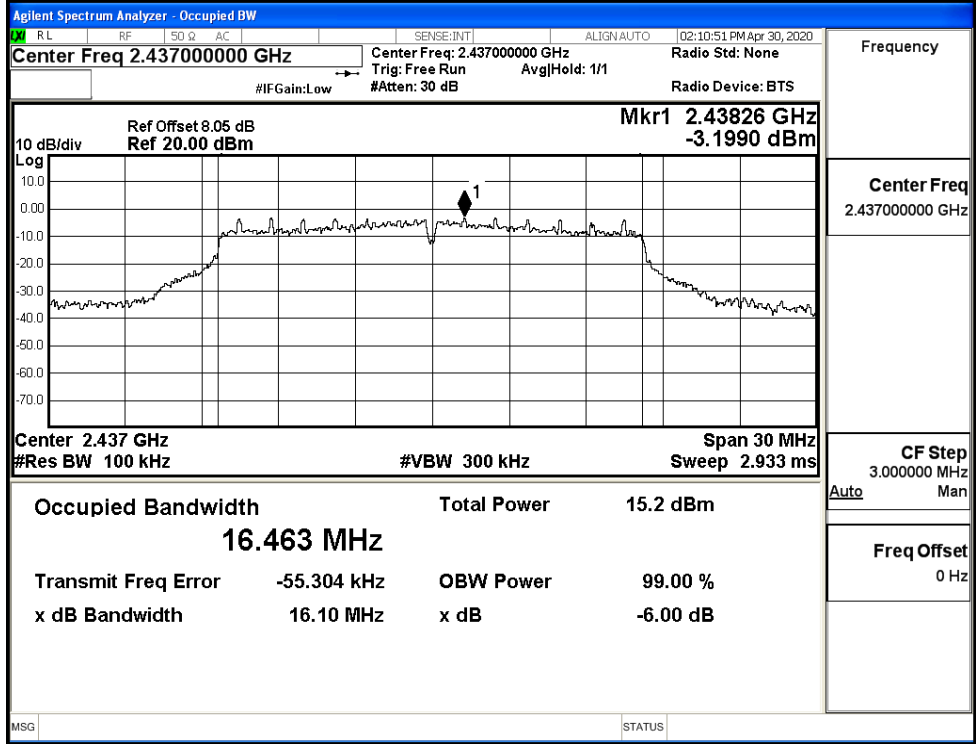
CF Step  
3.000000 MHz  
Auto Man

Freq Offset  
0 Hz

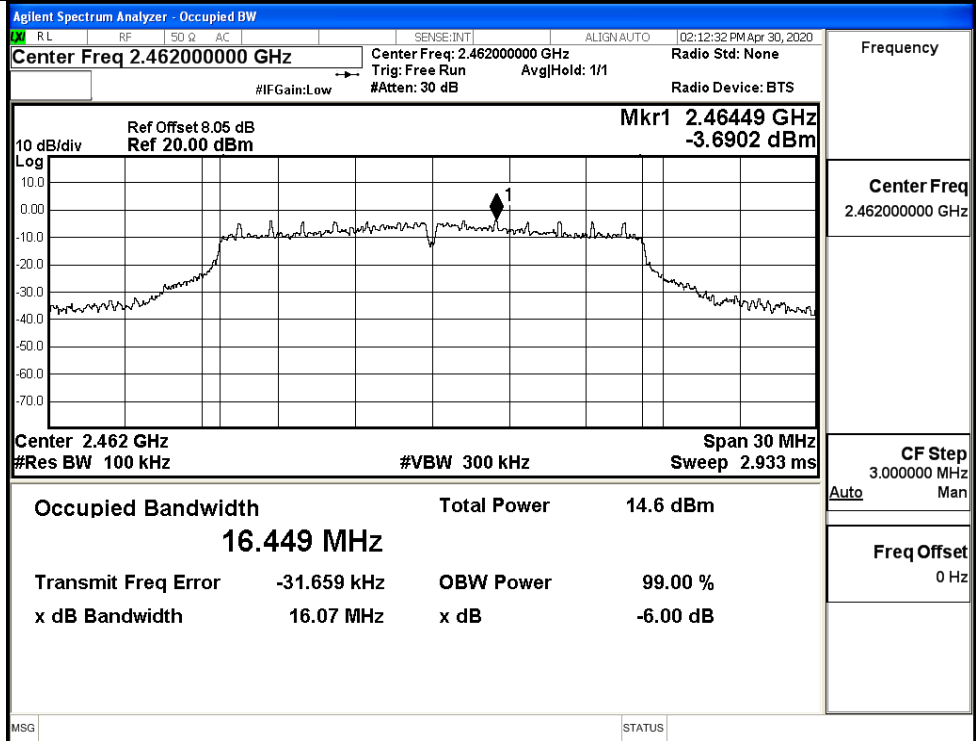
11G/LCH



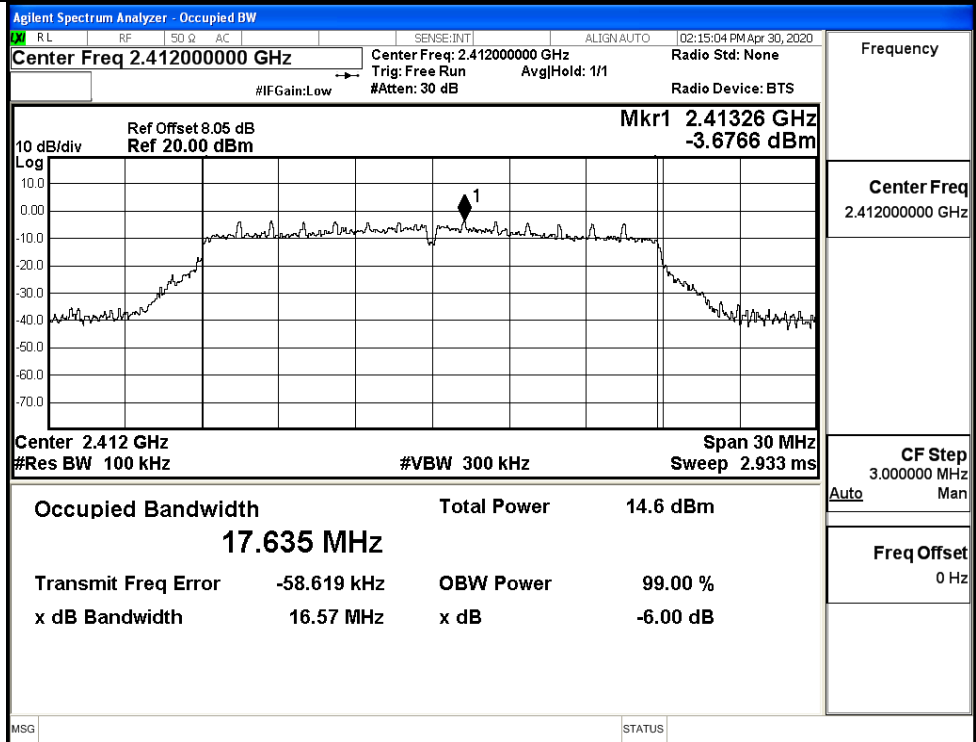
11G/MCH



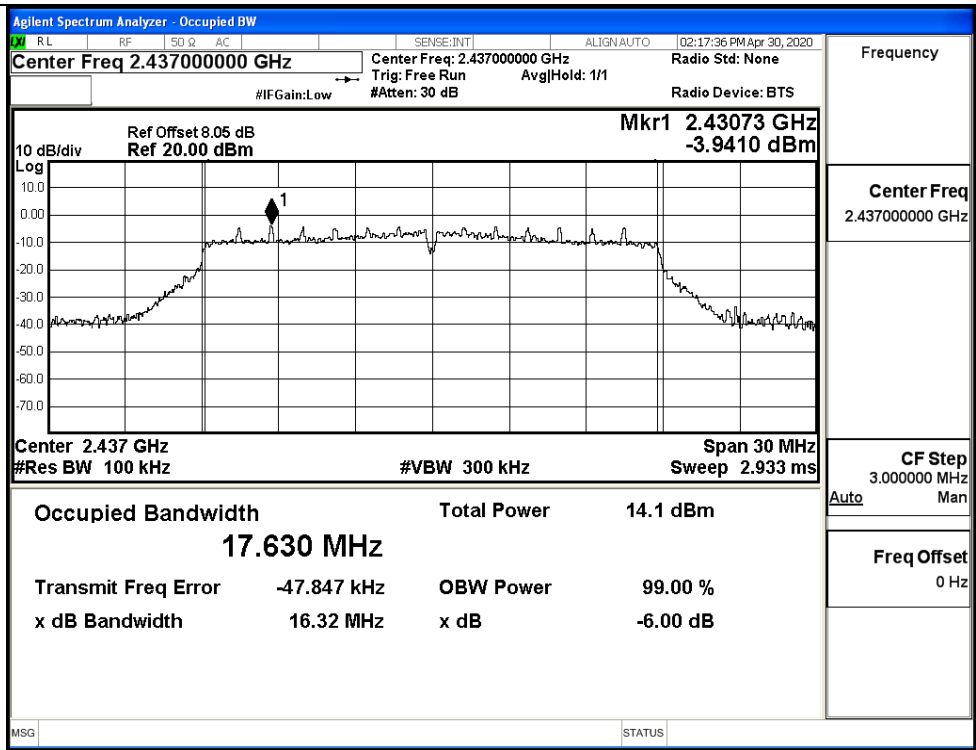
11G/HCH



11N20SISO/LCH



11N20SISO/MCH



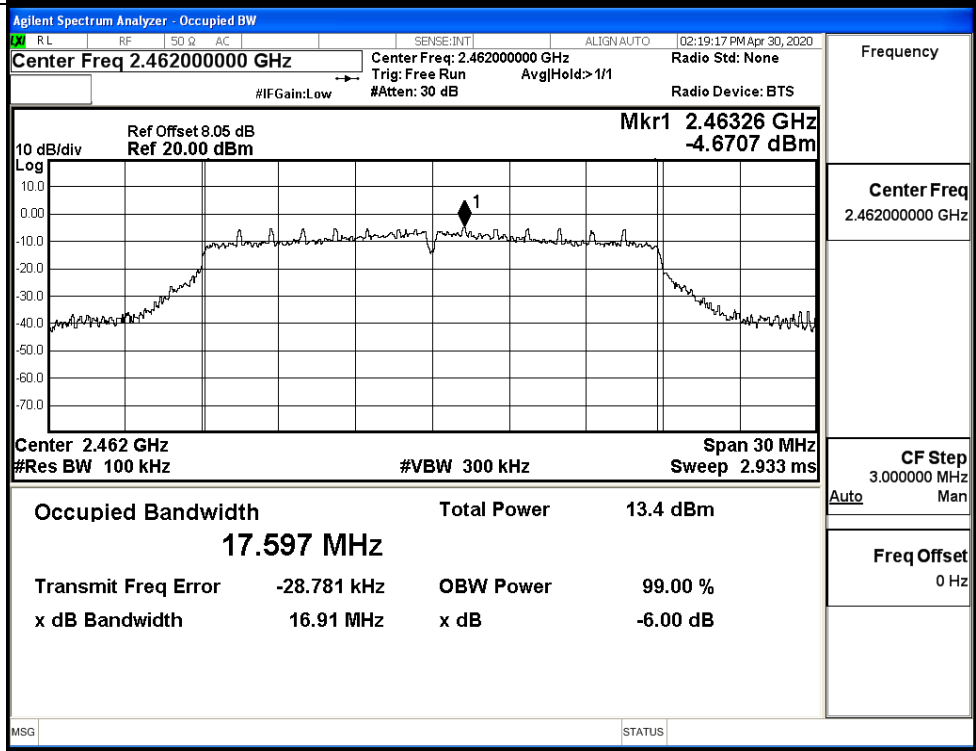
Frequency  
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Center Freq  
2.43700000 GHz

CF Step  
3.000000 MHz  
Auto Man

Freq Offset  
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11N20SISO/HCH



Frequency  
2.46200000 GHz

Center Freq  
2.46200000 GHz

CF Step  
3.000000 MHz  
Auto Man

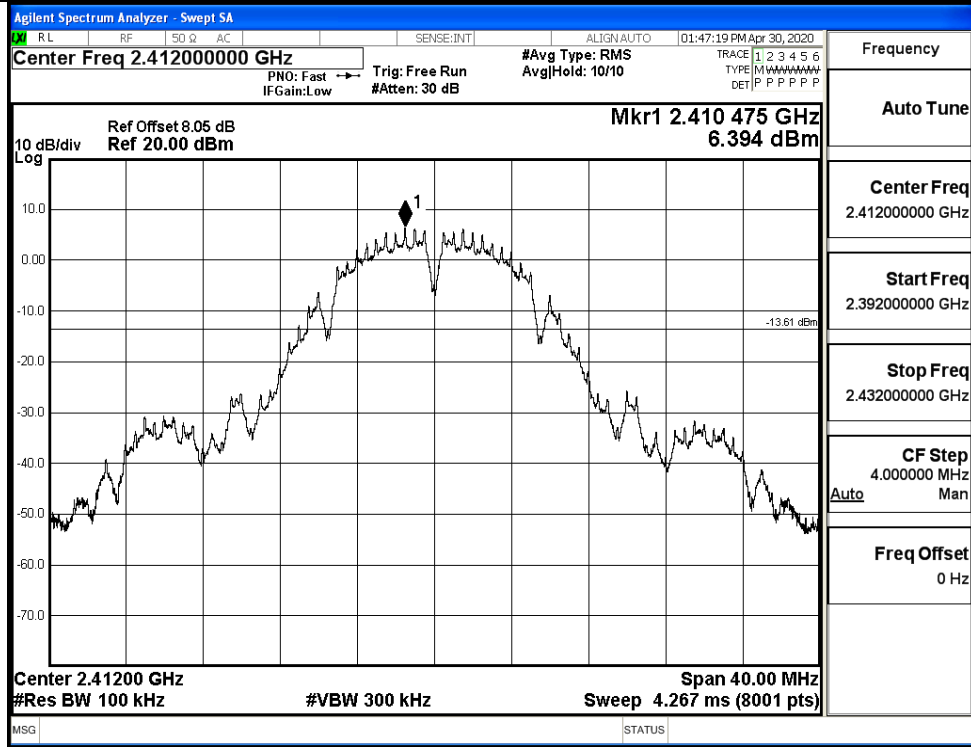
Freq Offset  
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**C.5 RF Conducted Spurious Emissions**

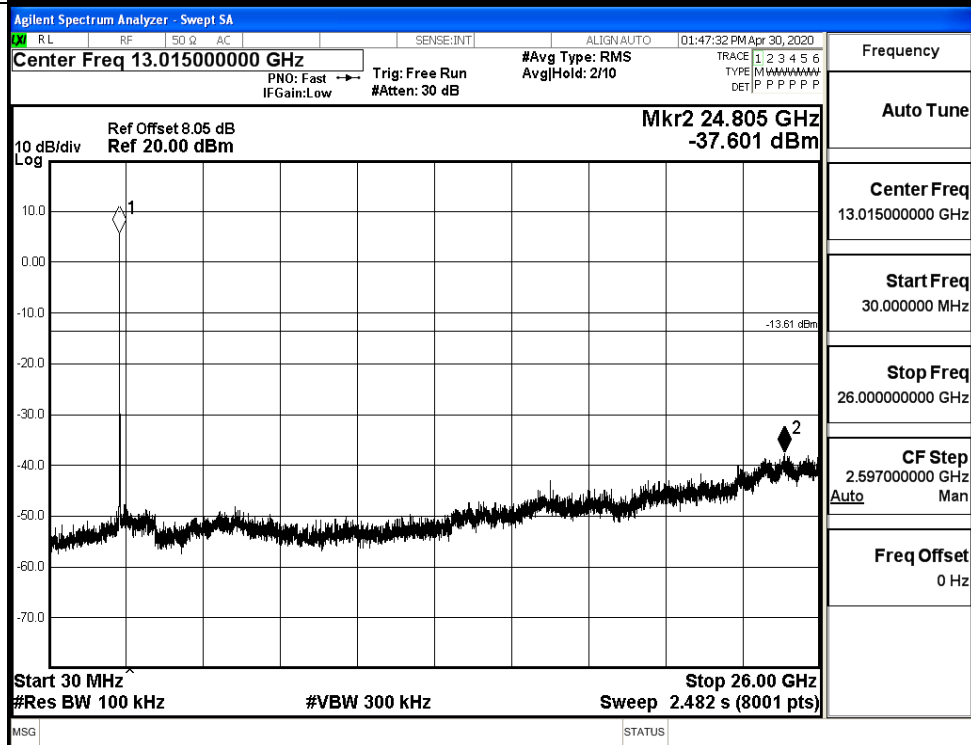
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	6.394	-37.601	-13.606	PASS
	MCH	5.488	-37.545	-14.512	PASS
	HCH	5.038	-36.948	-14.962	PASS
11G	LCH	-2.575	-37.948	-22.575	PASS
	MCH	-3.253	-38.061	-23.253	PASS
	HCH	-3.638	-38.228	-23.638	PASS
11N20 SISO	LCH	-3.691	-37.966	-23.691	PASS
	MCH	-4.005	-38.268	-24.005	PASS
	HCH	-4.971	-37.886	-24.971	PASS

11B\_LCH\_Graphs

Pref/11B/LCH

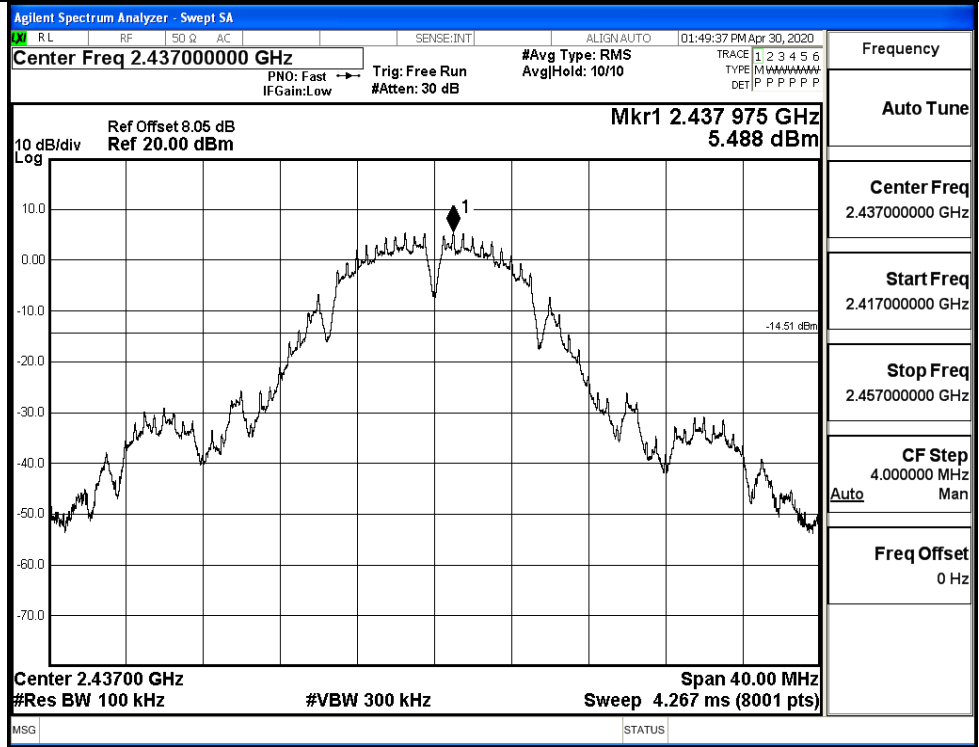


Puw/11B/LCH

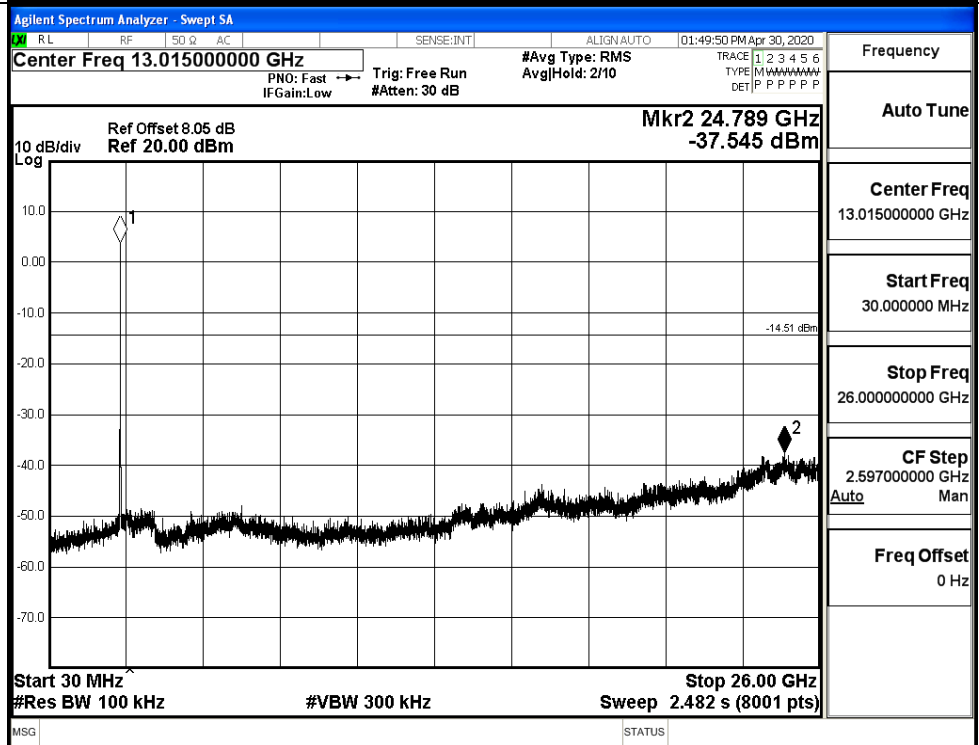


11B\_MCH\_Graphs

Pref/11B/MCH



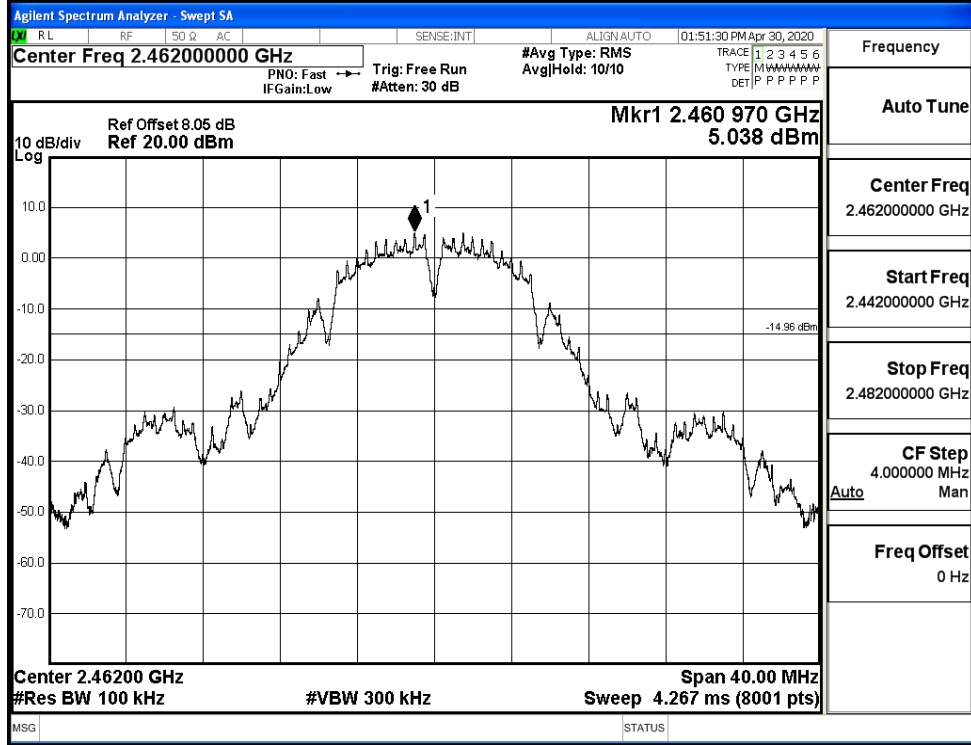
Puw/11B/MCH



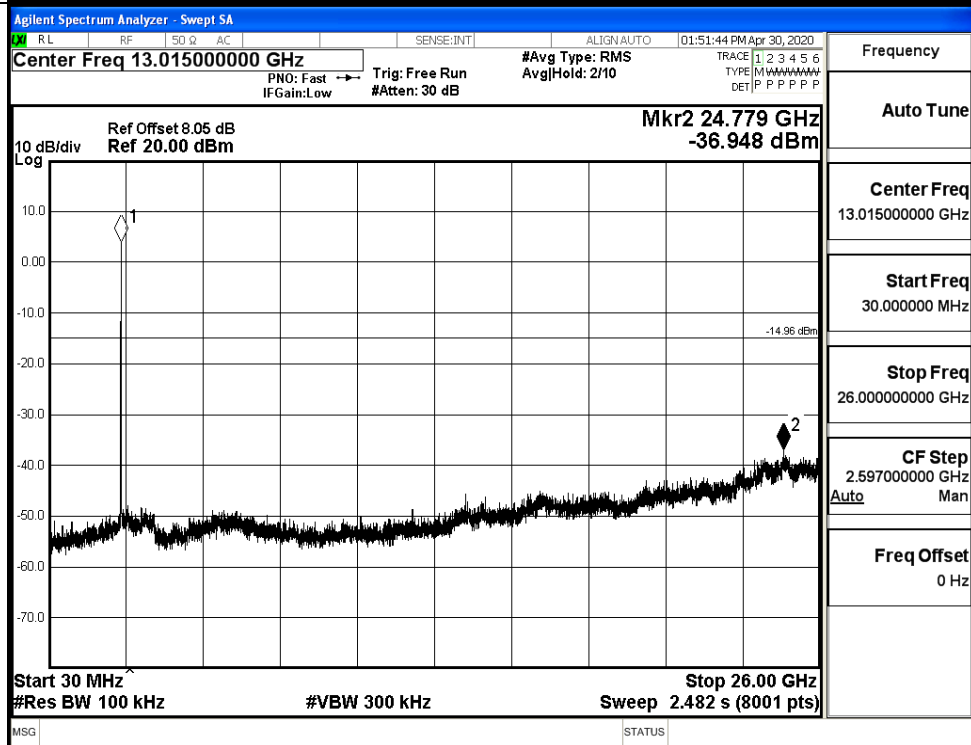


11B\_HCH\_Graphs

Pref/11B/HCH

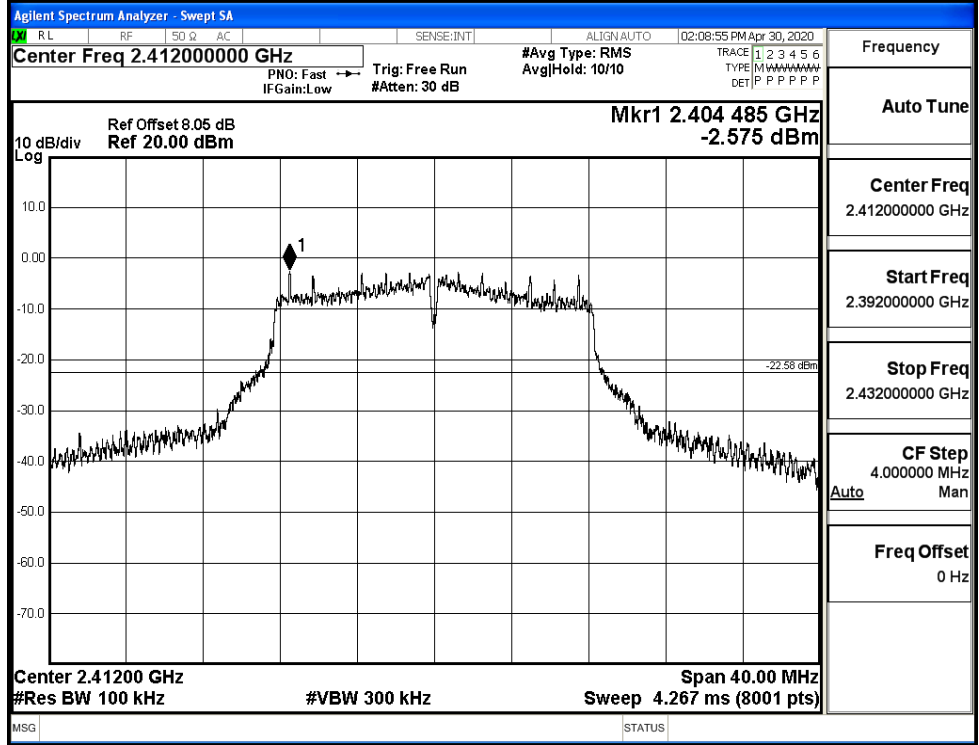


Puw/11B/HCH

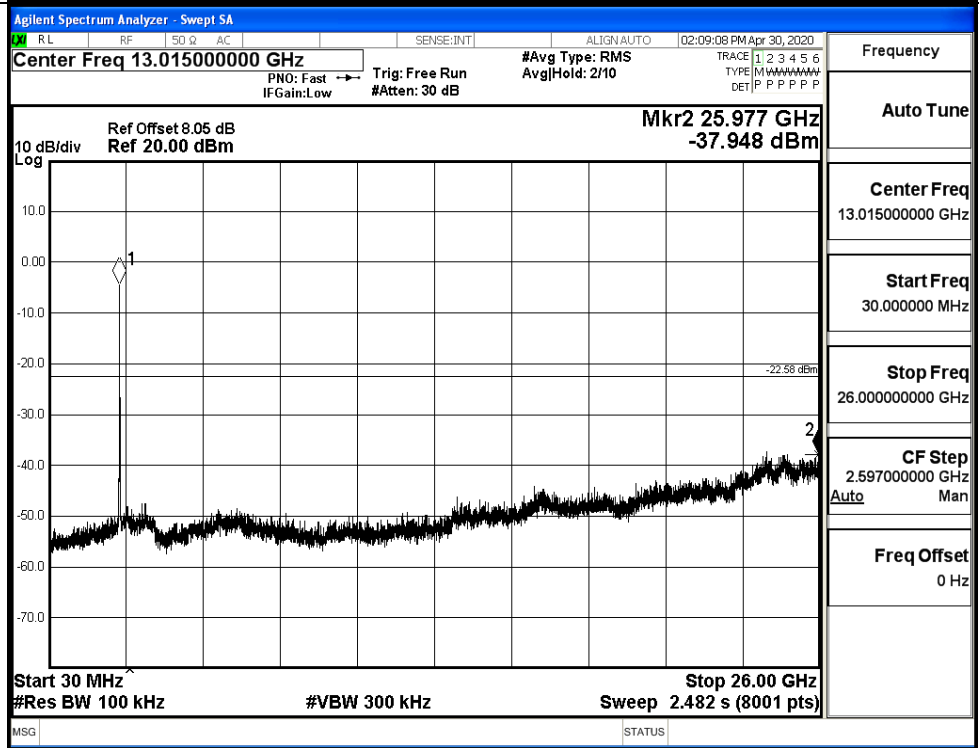


11G\_LCH\_Graphs

Pref/11G/LCH

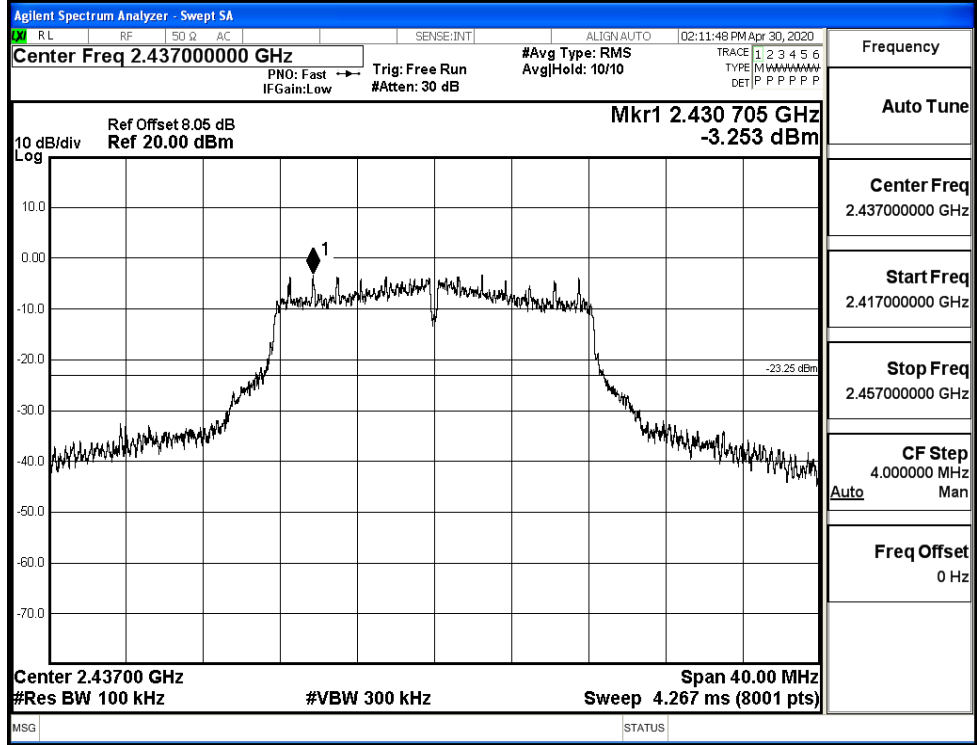


Puw/11G/LCH

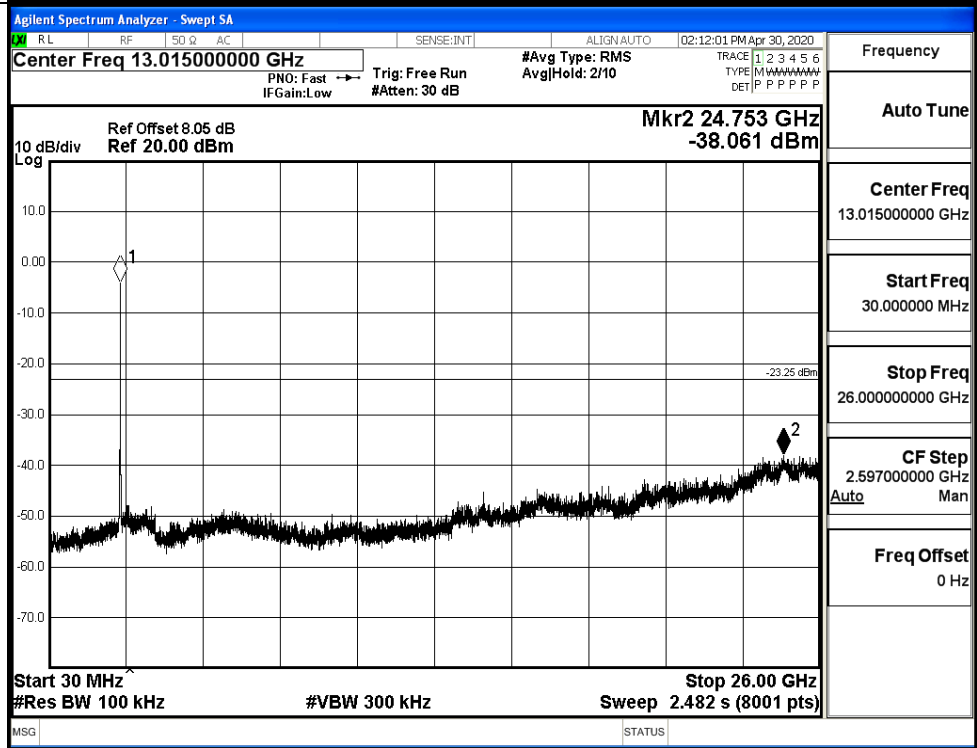


11G\_MCH\_Graphs

Pref/11G/MCH

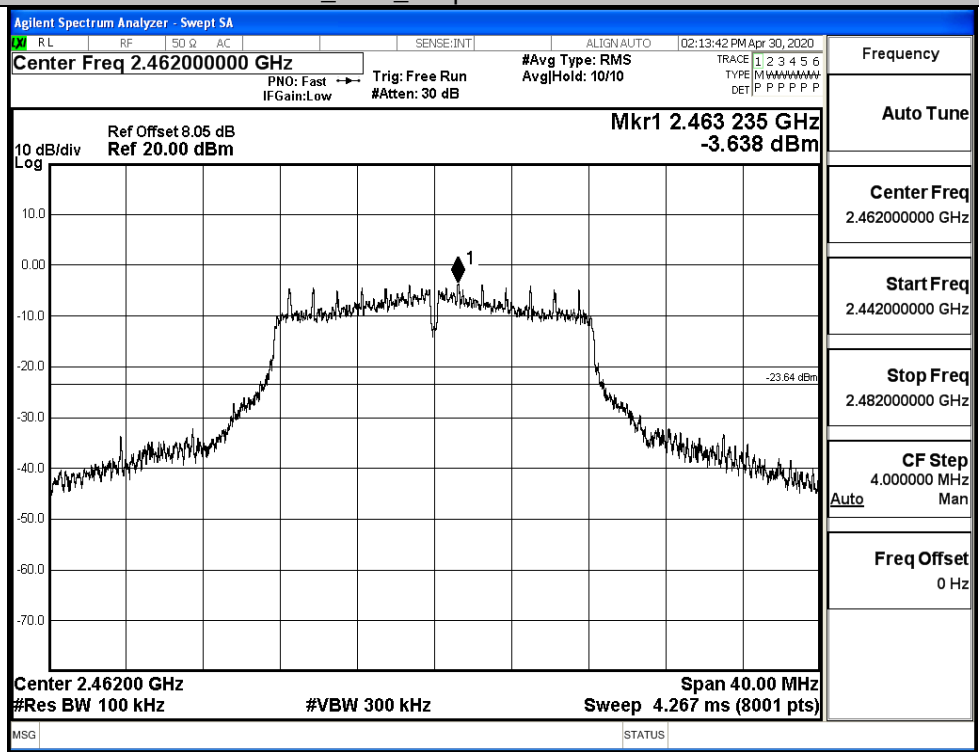


Puw/11G/MCH

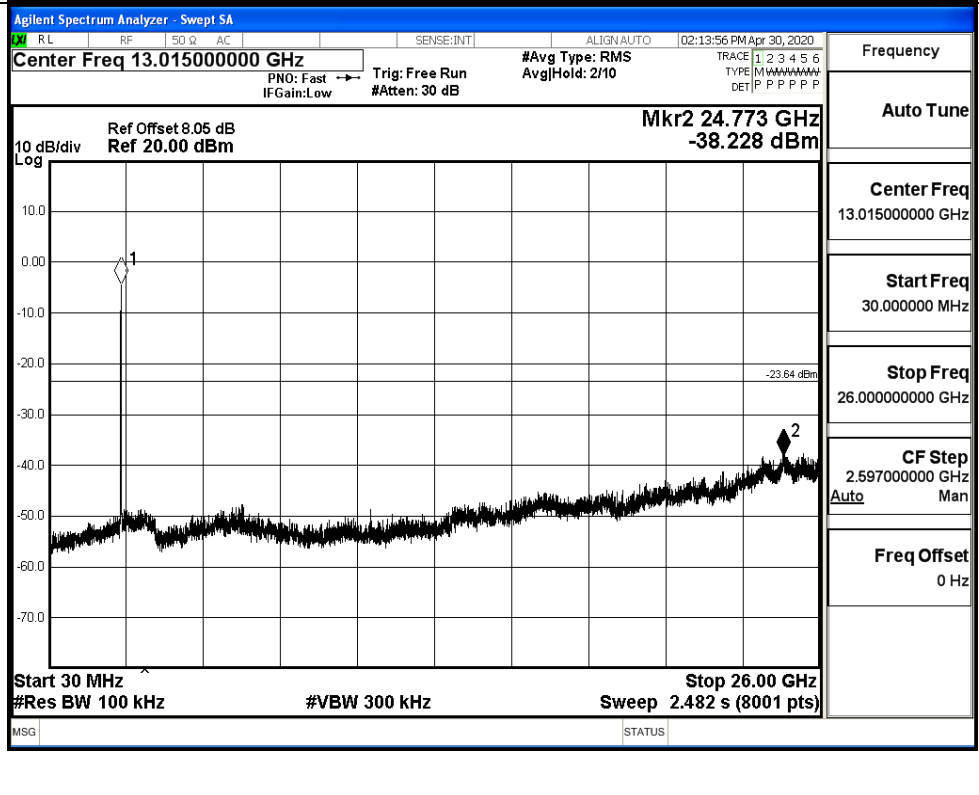


11G\_HCH\_Graphs

Pref/11G/HCH

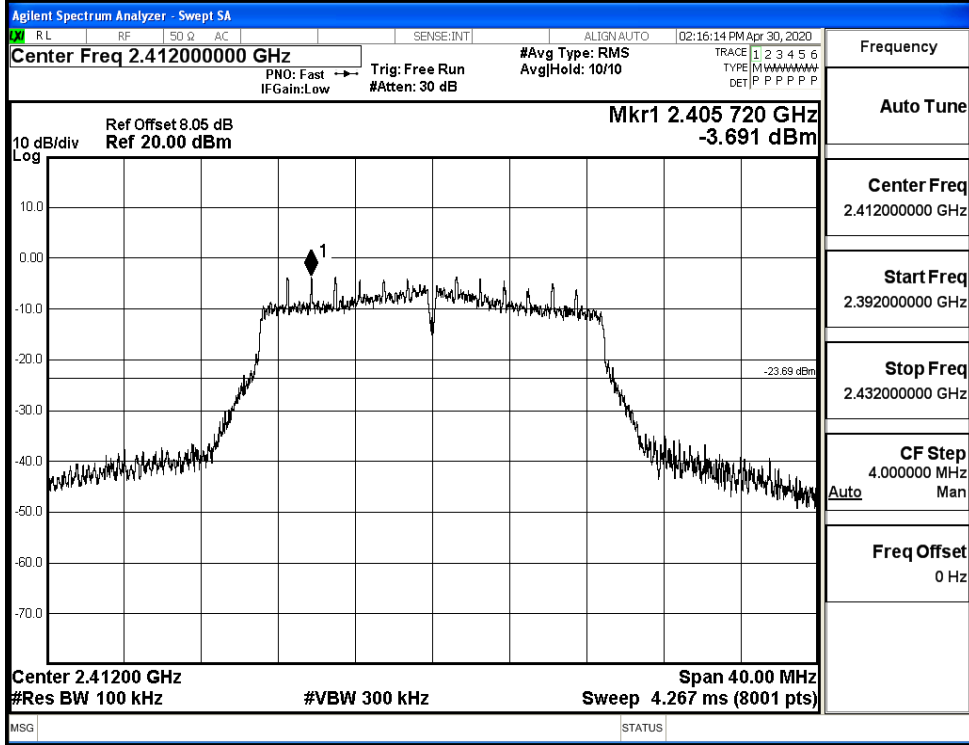


Puw/11G/HCH

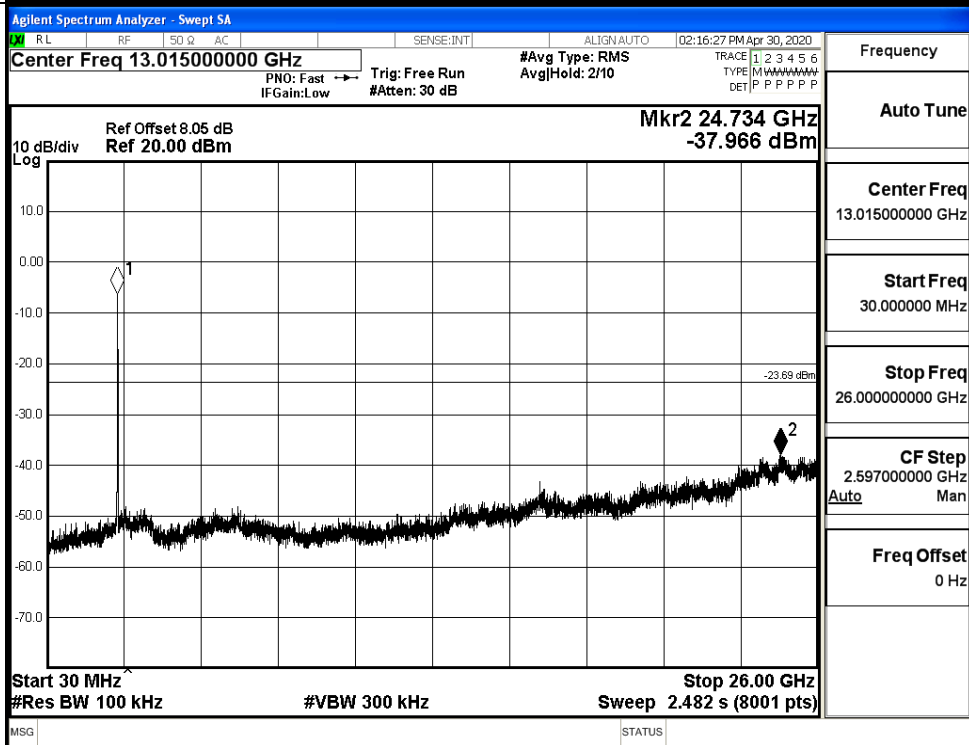


11N20SISO\_LCH\_Graphs

Pref/11N20SIS  
O/LCH

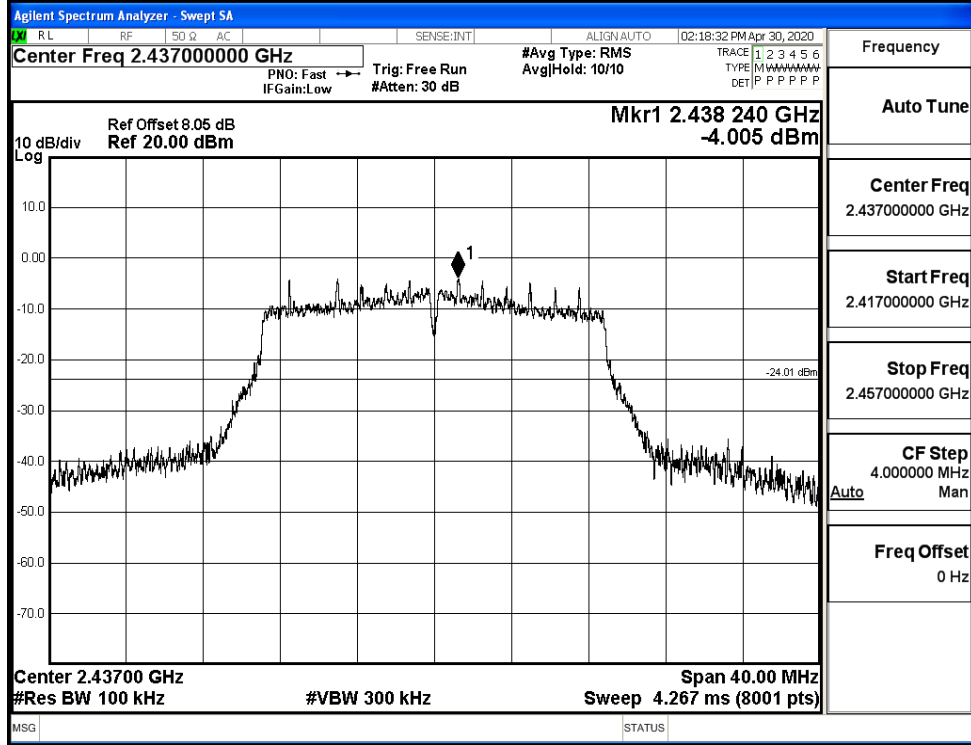


Puw/11N20  
SISO/LCH

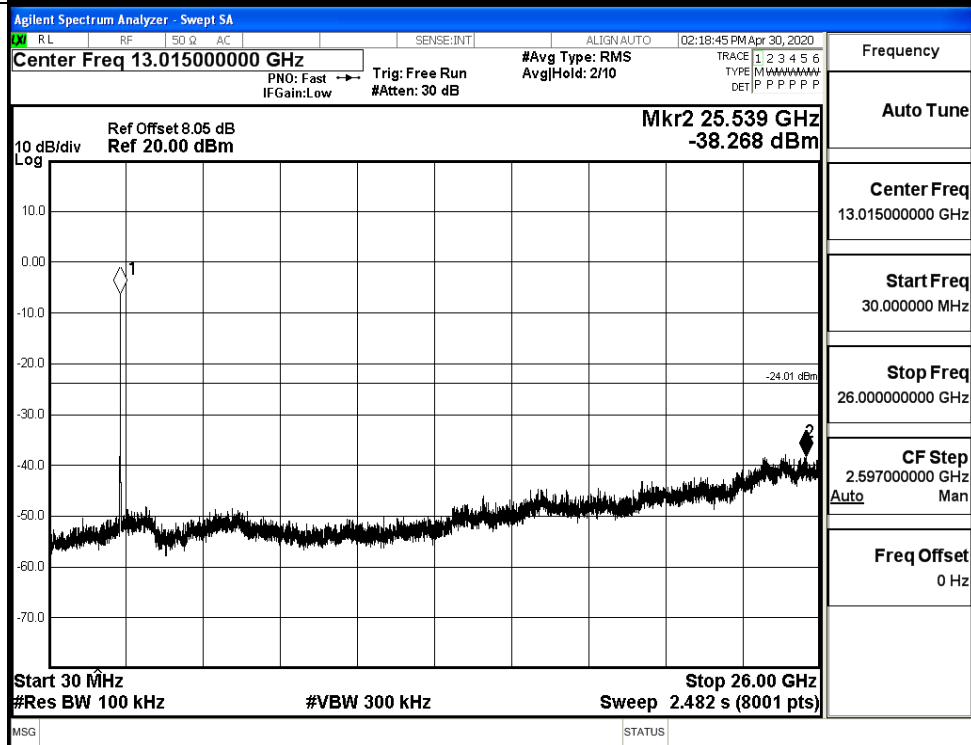


11N20SISO\_MCH\_Graphs

Pref/11N20  
SISO/MCH

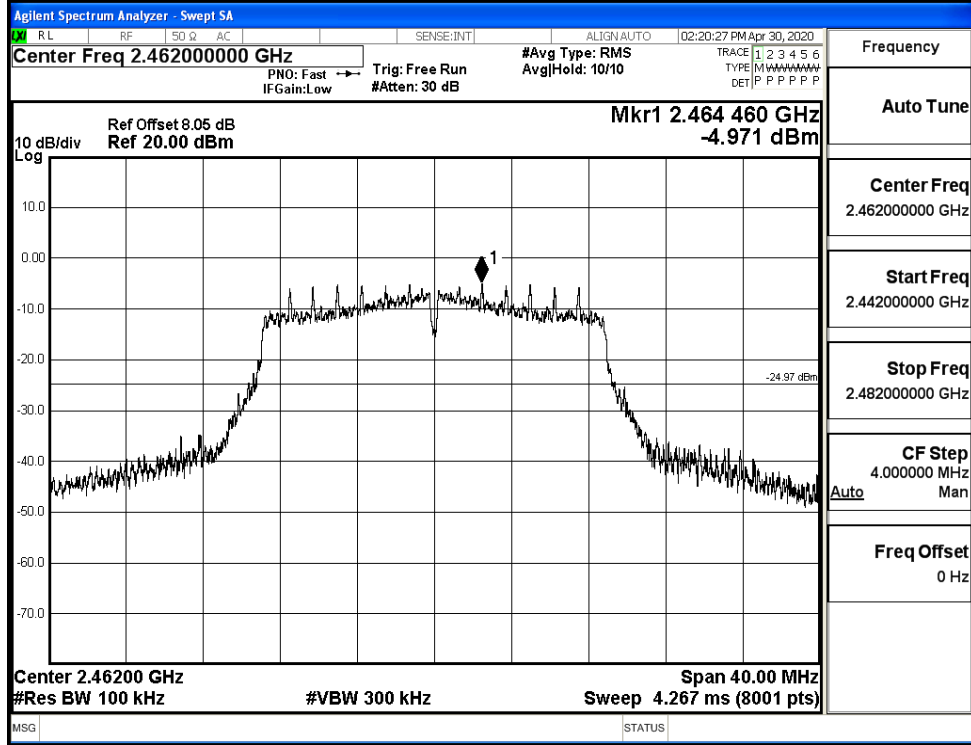


Puw/11N20  
SISO/MCH

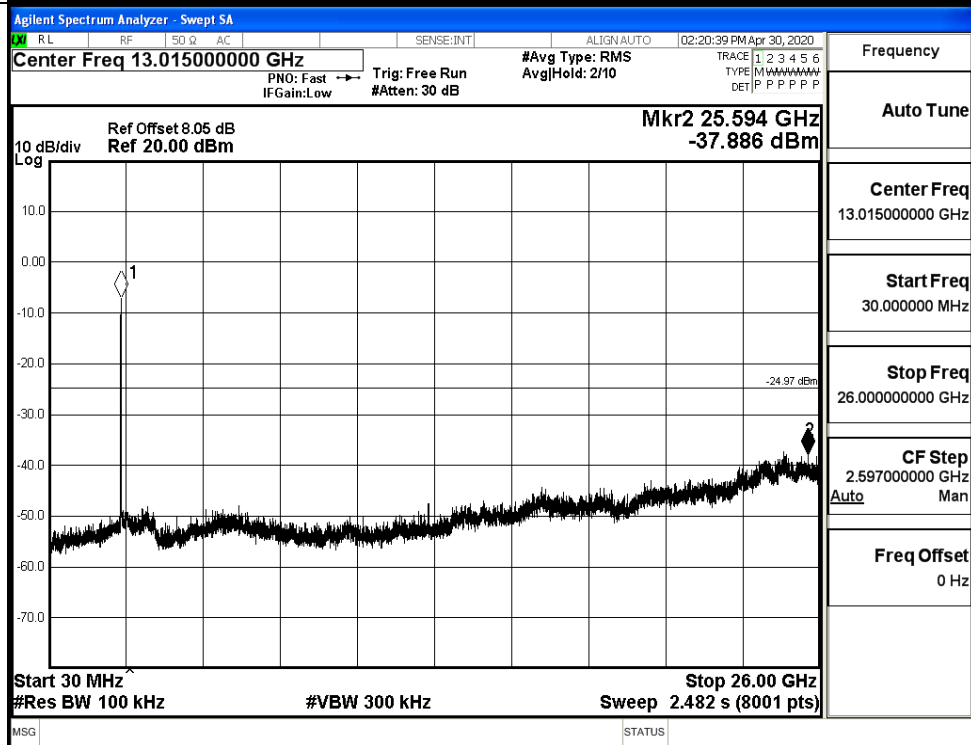


11N20SISO\_HCH\_Graphs

Pref/11N20  
SISO/HCH

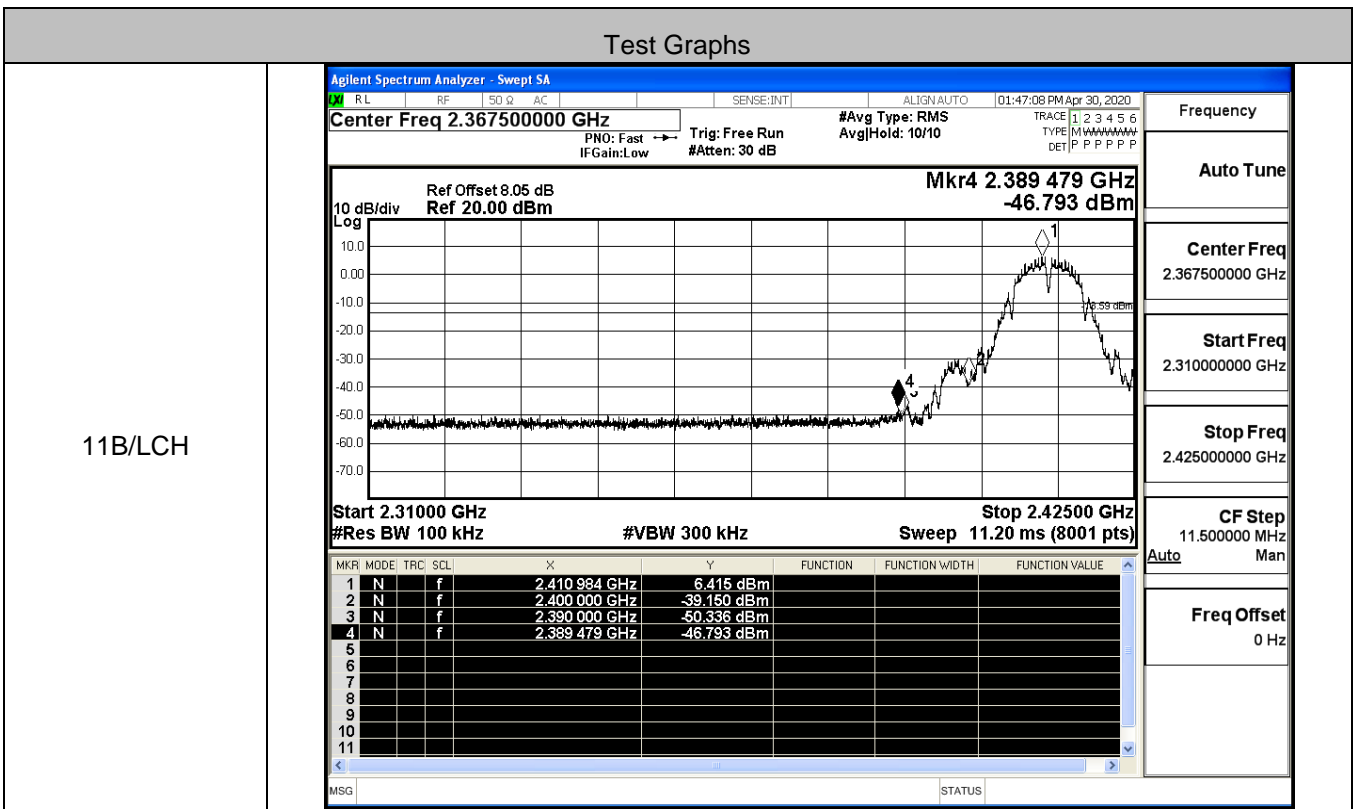


Puw/11N20  
SISO/HCH



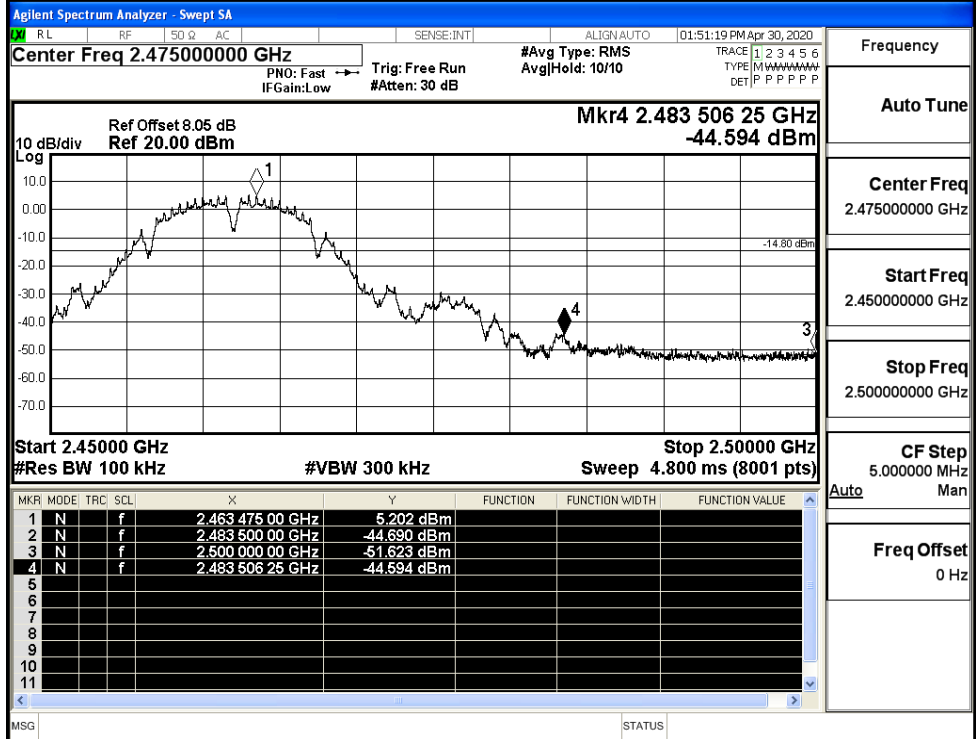
### C.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	6.415	-46.793	-13.59	PASS
	HCH	5.202	-44.594	-14.8	PASS
11G	LCH	-2.472	-39.713	-22.47	PASS
	HCH	-3.485	-43.774	-23.49	PASS
11N20SISO	LCH	-3.776	-43.424	-23.78	PASS
	HCH	-5.367	-45.857	-25.37	PASS



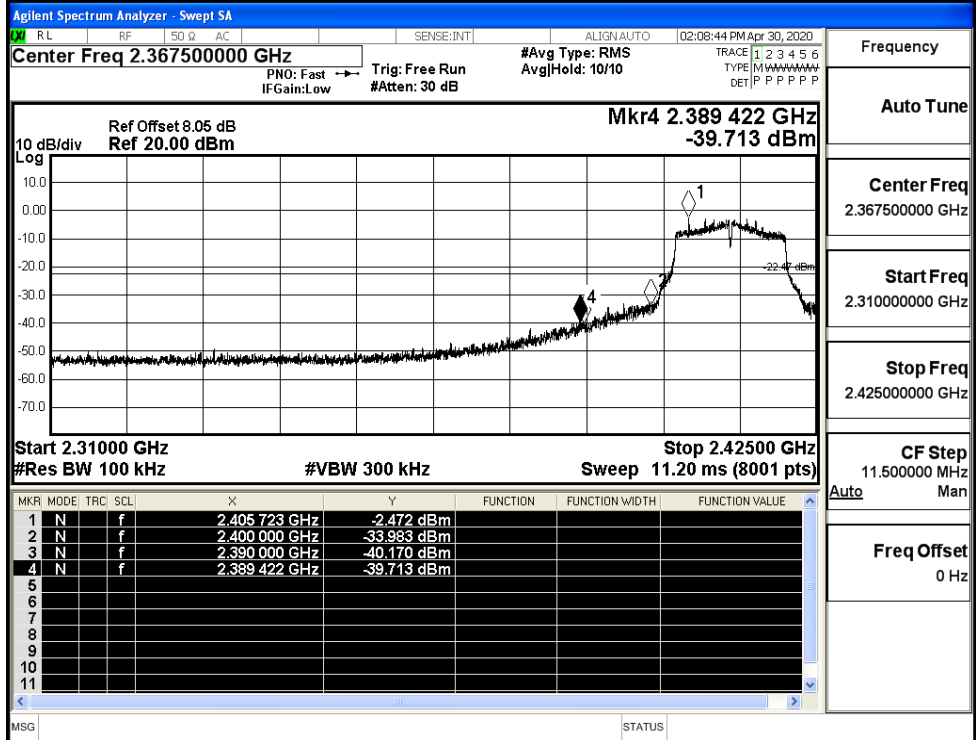


11B/HCH



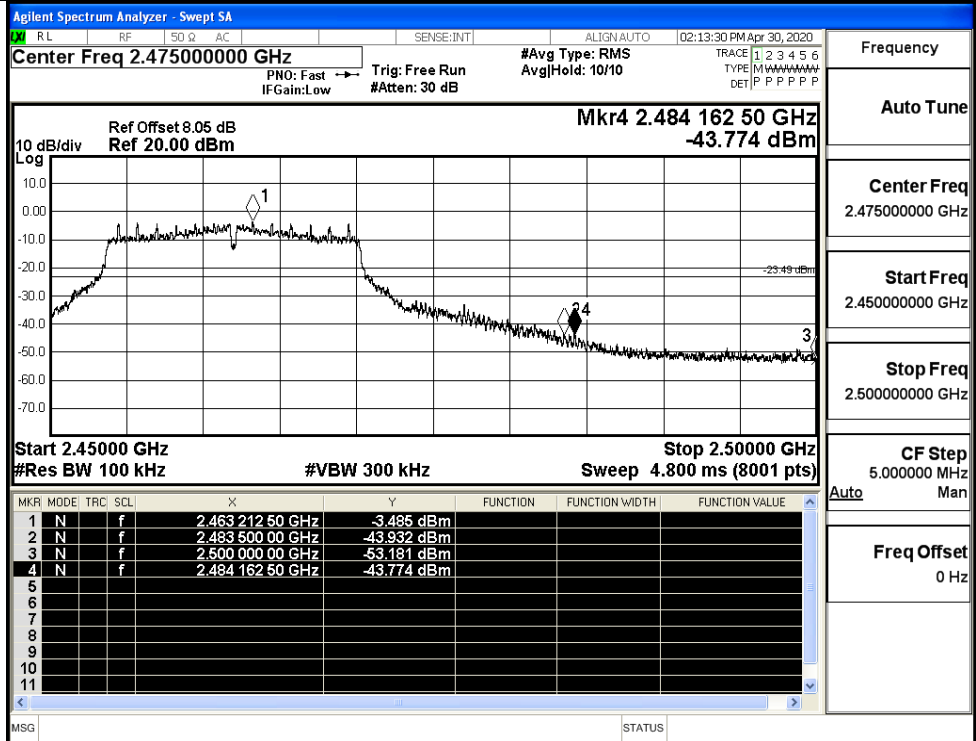
Frequency	2.475000000 GHz
Auto Tune	
Center Freq	2.475000000 GHz
Start Freq	2.450000000 GHz
Stop Freq	2.500000000 GHz
CF Step	5.000000 MHz
Freq Offset	0 Hz

11G/LCH



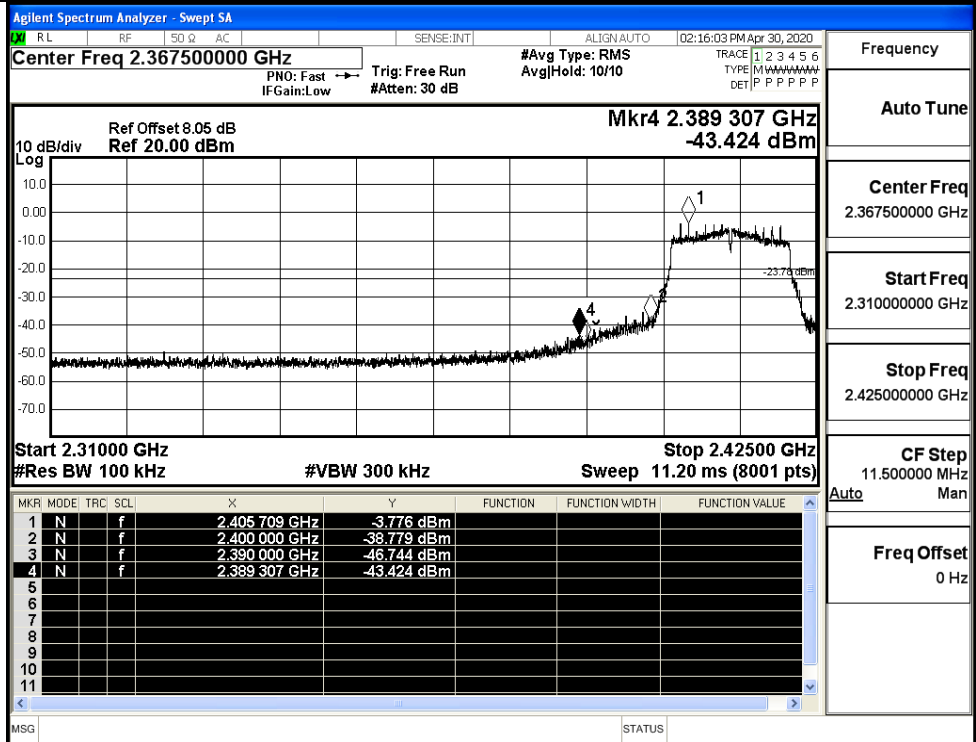
Frequency	2.367500000 GHz
Auto Tune	
Center Freq	2.367500000 GHz
Start Freq	2.310000000 GHz
Stop Freq	2.425000000 GHz
CF Step	11.500000 MHz
Freq Offset	0 Hz

11G/HCH



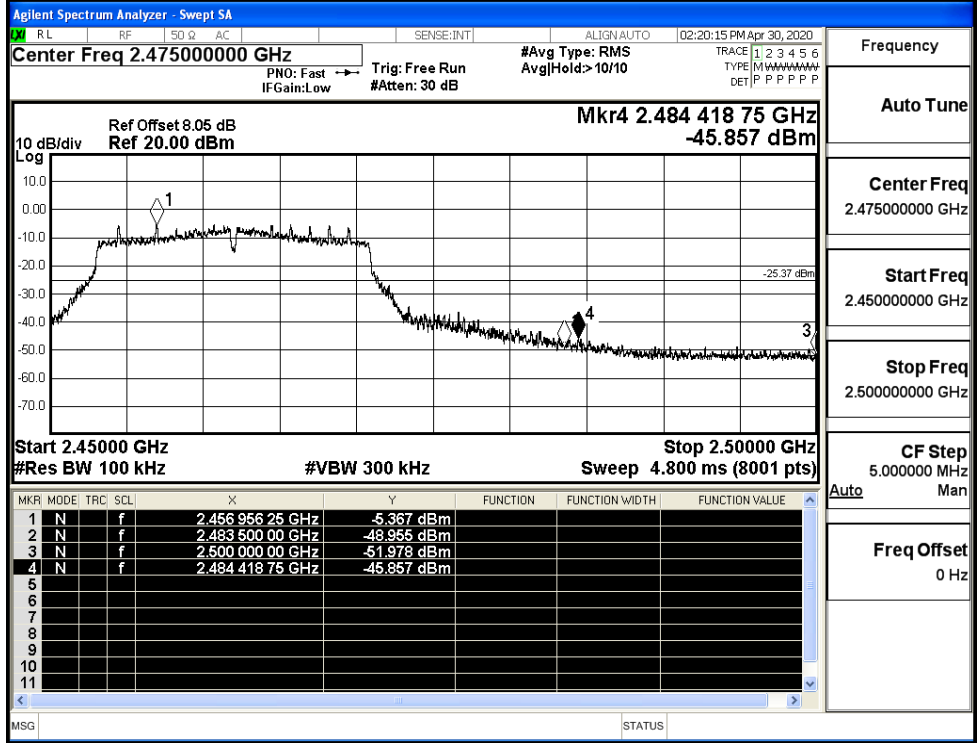
Frequency	2.47500000 GHz
Auto Tune	
Center Freq	2.47500000 GHz
Start Freq	2.45000000 GHz
Stop Freq	2.50000000 GHz
CF Step	5.000000 MHz
Freq Offset	0 Hz

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

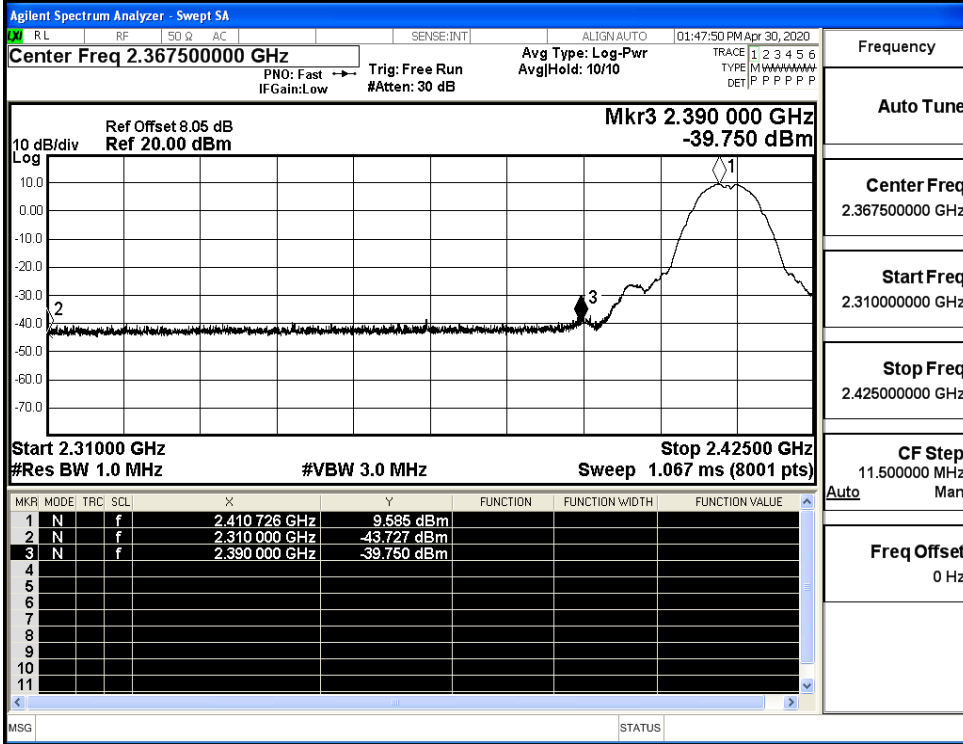
11N20SISO/HCH



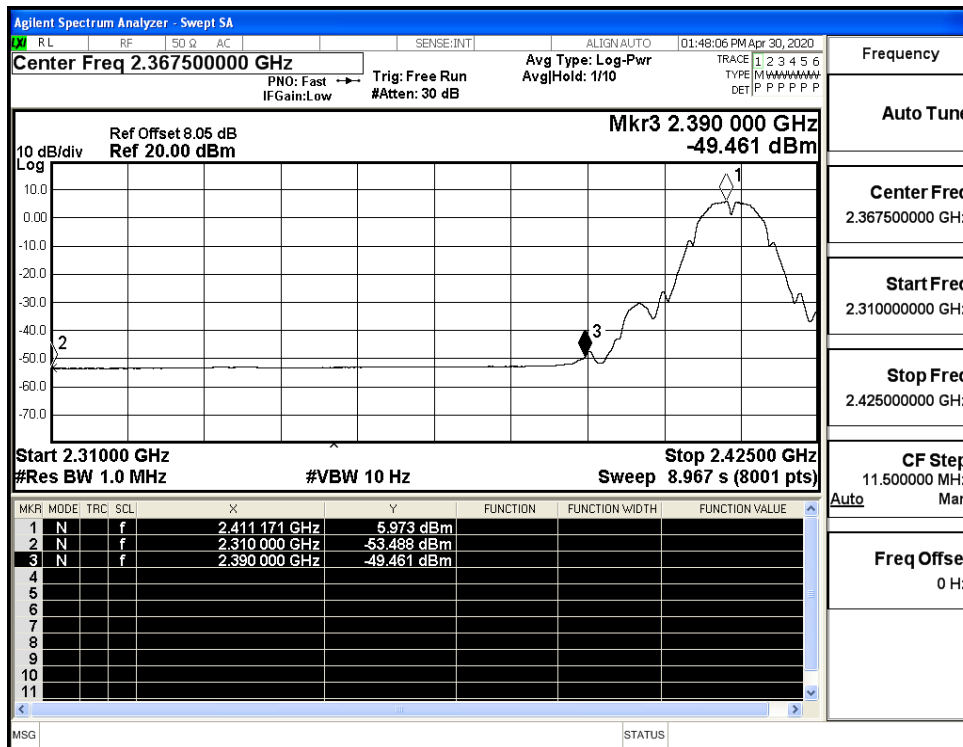
### C.7 Restrict-band band-edge measurements

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	-43.73	4.5	0	56.03	PEAK	74	PASS
	2412	Ant1	2310.0	-53.49	4.5	0	46.27	AV	54	PASS
	2412	Ant1	2390.0	-39.75	4.5	0	60.01	PEAK	74	PASS
	2412	Ant1	2390.0	-49.46	4.5	0	50.30	AV	54	PASS
	2462	Ant1	2483.5	-36.63	4.5	0	63.13	PEAK	74	PASS
	2462	Ant1	2483.5	-48.15	4.5	0	51.61	AV	54	PASS
	2462	Ant1	2500.0	-42.73	4.5	0	57.03	PEAK	74	PASS
	2462	Ant1	2500.0	-52.31	4.5	0	47.45	AV	54	PASS
11G	2412	Ant1	2310.0	-42.30	4.5	0	57.46	PEAK	74	PASS
	2412	Ant1	2310.0	-53.48	4.5	0	46.28	AV	54	PASS
	2412	Ant1	2390.0	-28.86	4.5	0	70.90	PEAK	74	PASS
	2412	Ant1	2390.0	-45.78	4.5	0	53.98	AV	54	PASS
	2462	Ant1	2483.5	-31.57	4.5	0	68.19	PEAK	74	PASS
	2462	Ant1	2483.5	-46.91	4.5	0	52.85	AV	54	PASS
	2462	Ant1	2500.0	-42.85	4.5	0	56.91	PEAK	74	PASS
	2462	Ant1	2500.0	-52.38	4.5	0	47.38	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-41.85	4.5	0	57.91	PEAK	74	PASS
	2412	Ant1	2310.0	-53.62	4.5	0	46.14	AV	54	PASS
	2412	Ant1	2390.0	-29.25	4.5	0	70.51	PEAK	74	PASS
	2412	Ant1	2390.0	-48.00	4.5	0	51.76	AV	54	PASS
	2462	Ant1	2483.5	-34.21	4.5	0	65.55	PEAK	74	PASS
	2462	Ant1	2483.5	-49.63	4.5	0	50.13	AV	54	PASS
	2462	Ant1	2500.0	-41.25	4.5	0	58.51	PEAK	74	PASS
	2462	Ant1	2500.0	-52.53	4.5	0	47.23	AV	54	PASS

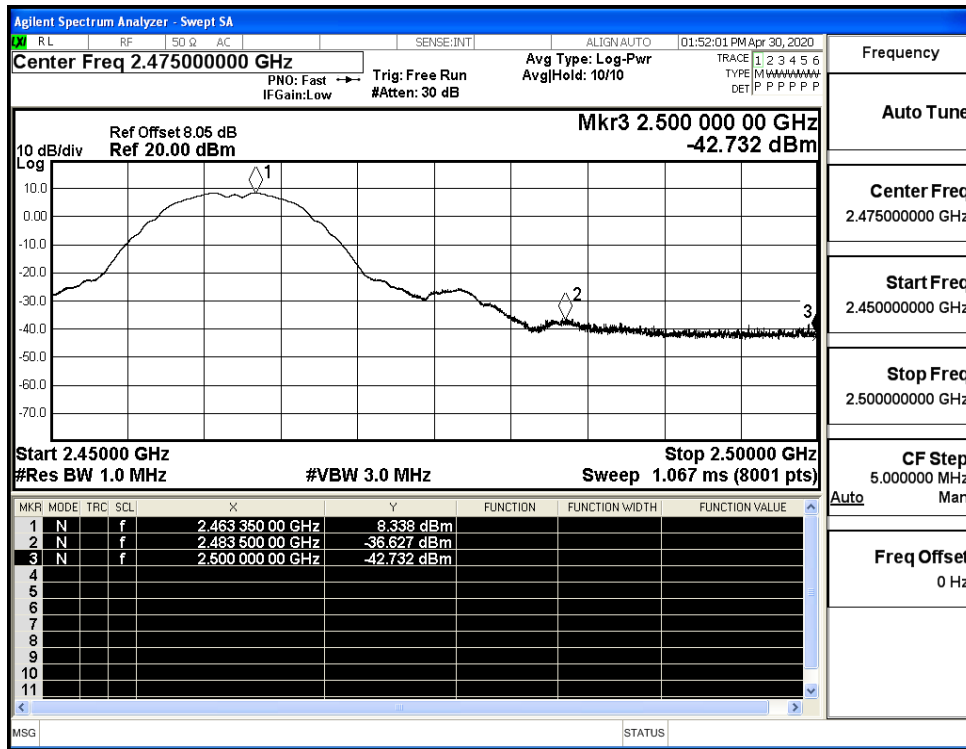
Restrict-band band-edge measurements\_11B\_2412\_Ant1\_PEAK



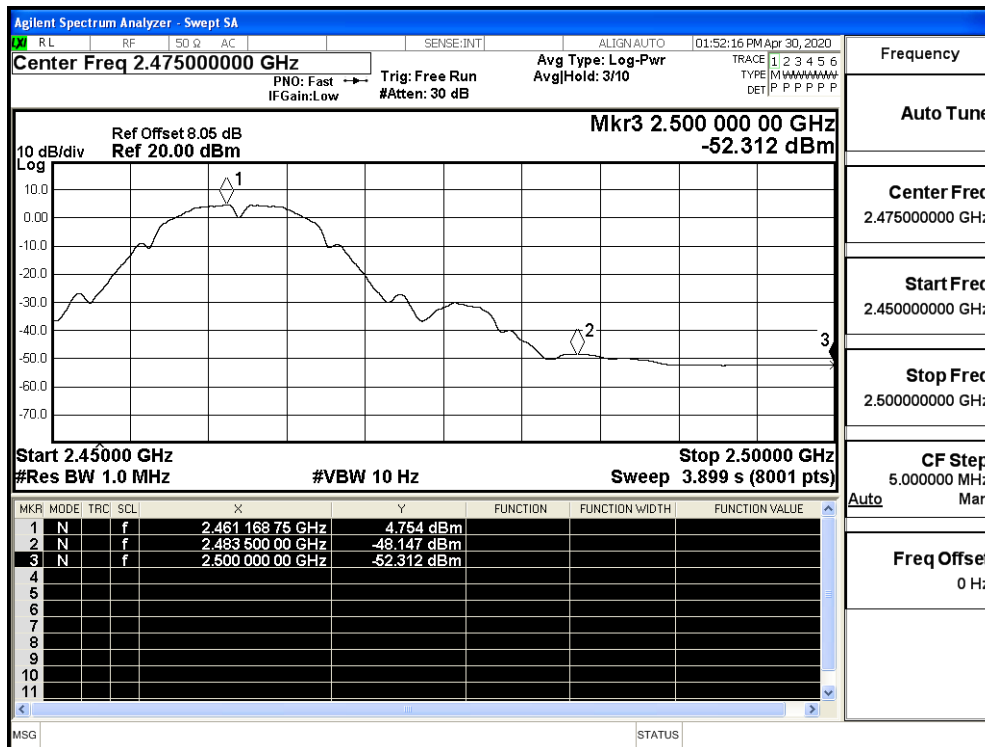
Restrict-band band-edge measurements\_11B\_2412\_Ant1\_AV



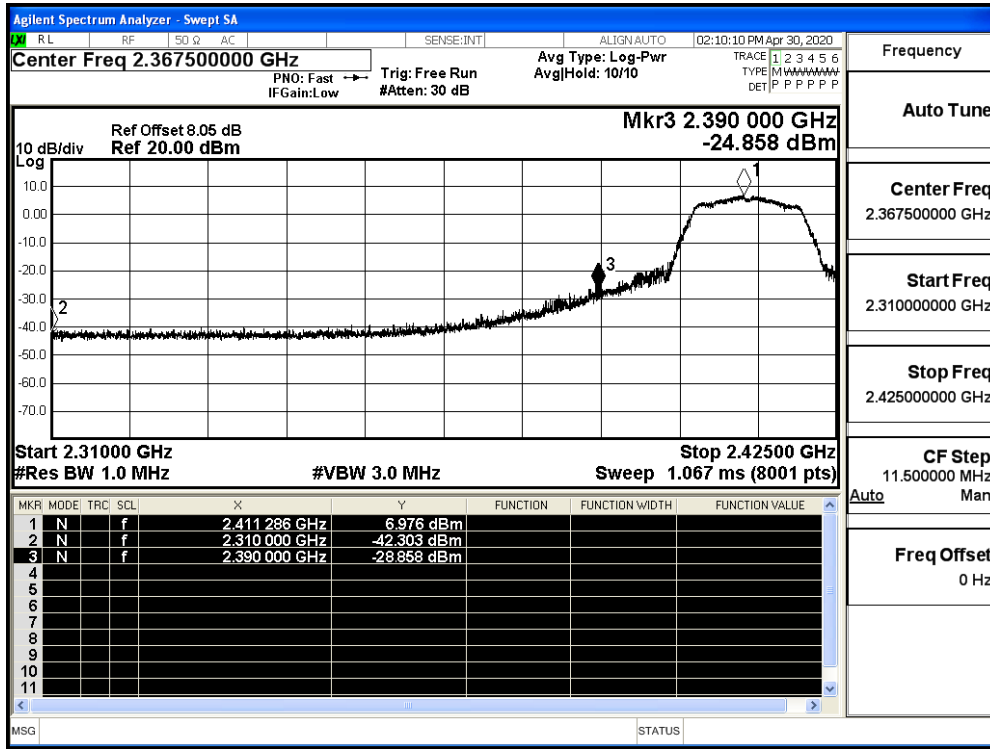
Restrict-band band-edge measurements\_11B\_2462\_Ant1\_PEAK



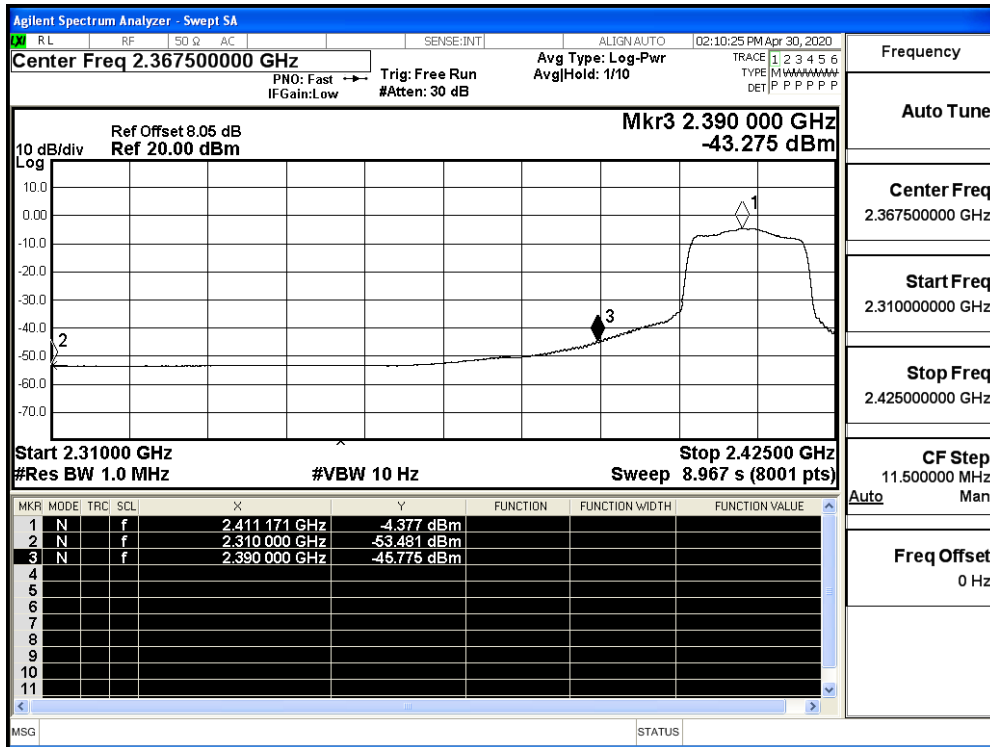
Restrict-band band-edge measurements\_11B\_2462\_Ant1\_AV



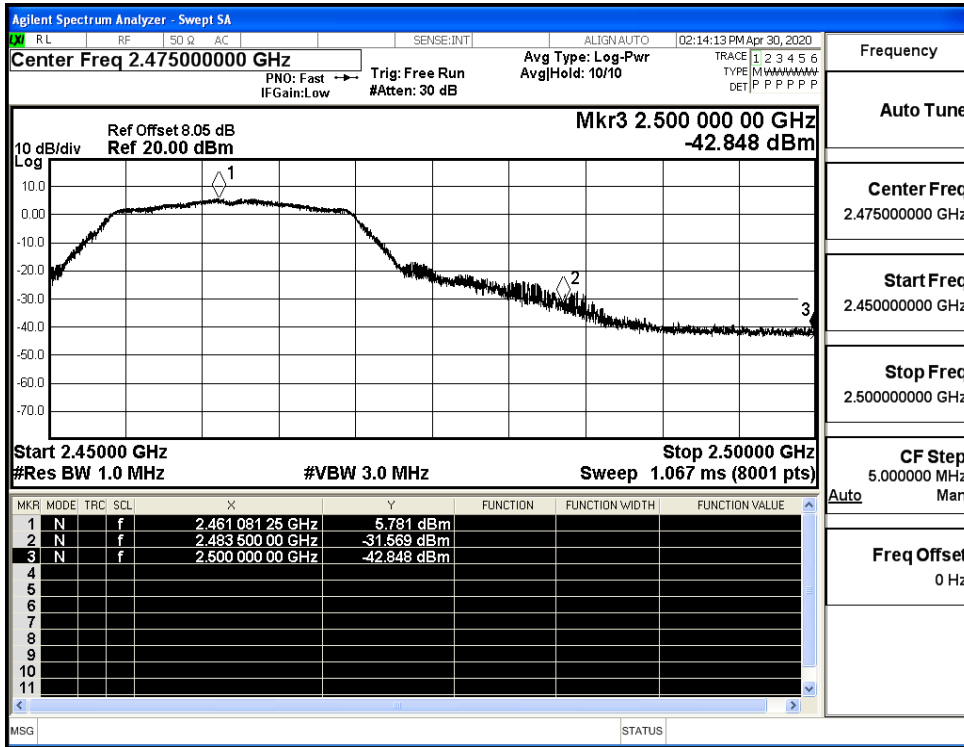
Restrict-band band-edge measurements\_11G\_2412\_Ant1\_PEAK



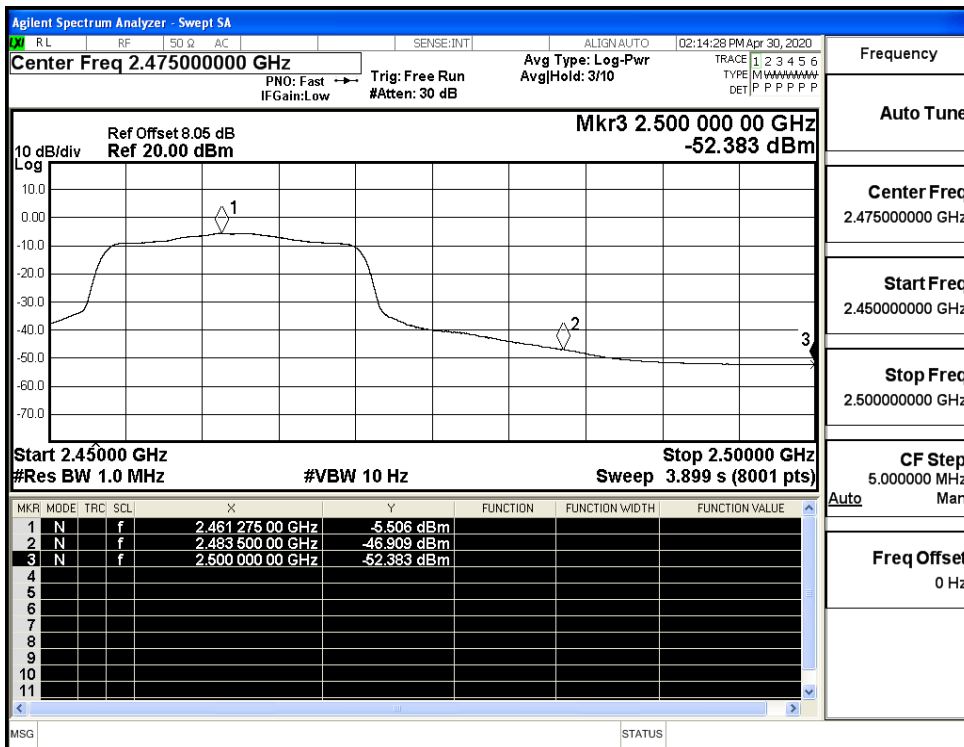
Restrict-band band-edge measurements\_11G\_2412\_Ant1\_AV



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

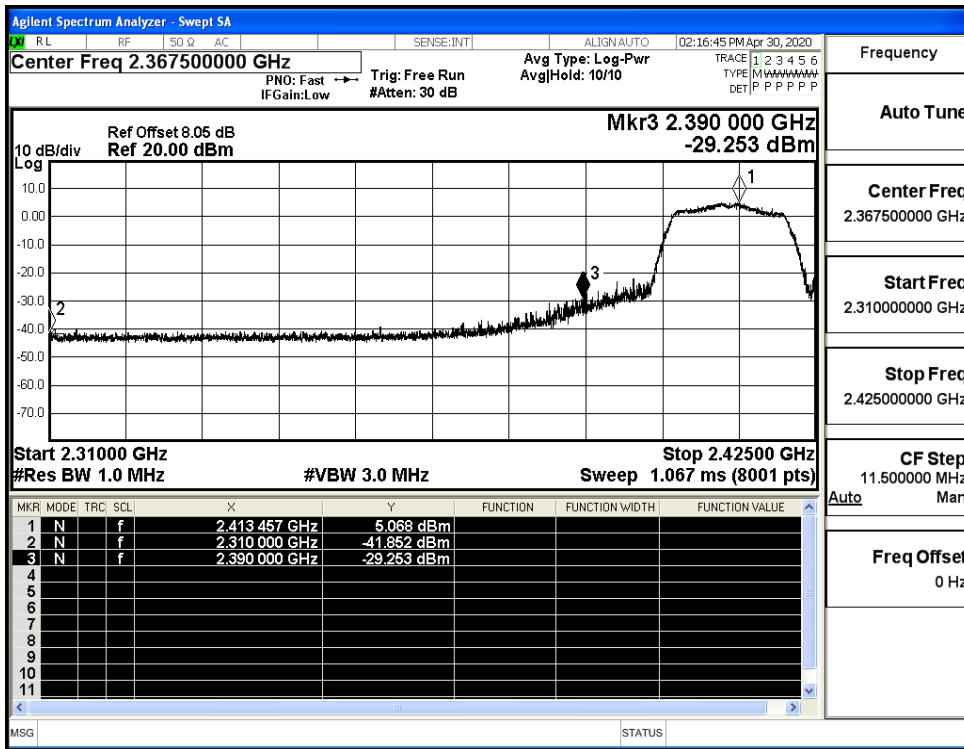


Restrict-band band-edge measurements\_11G\_2462\_Ant1\_AV

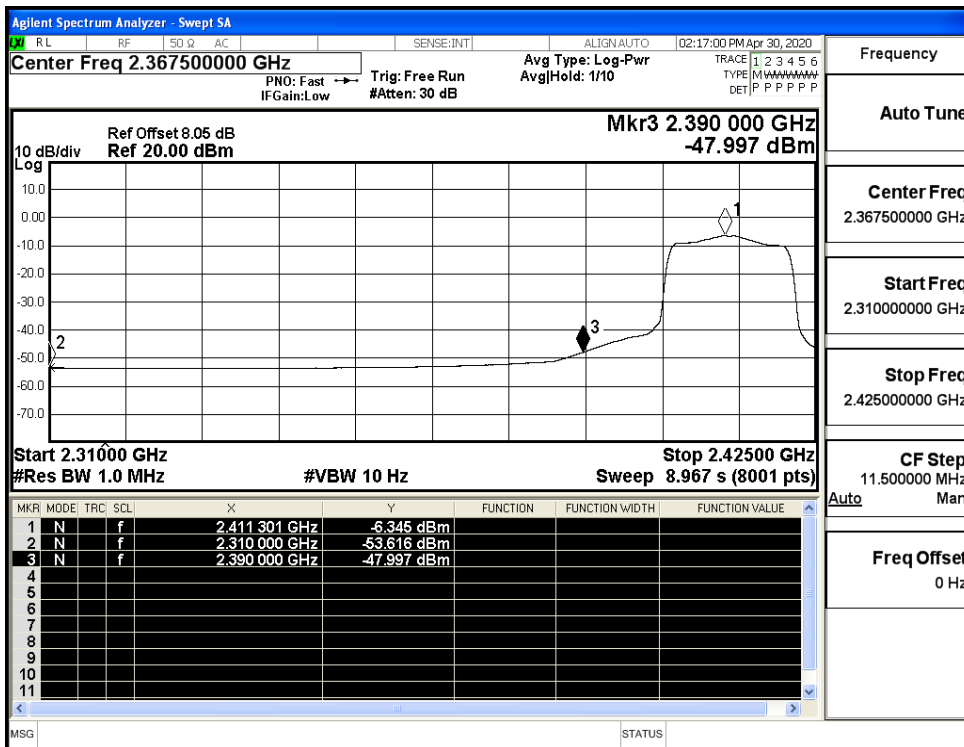




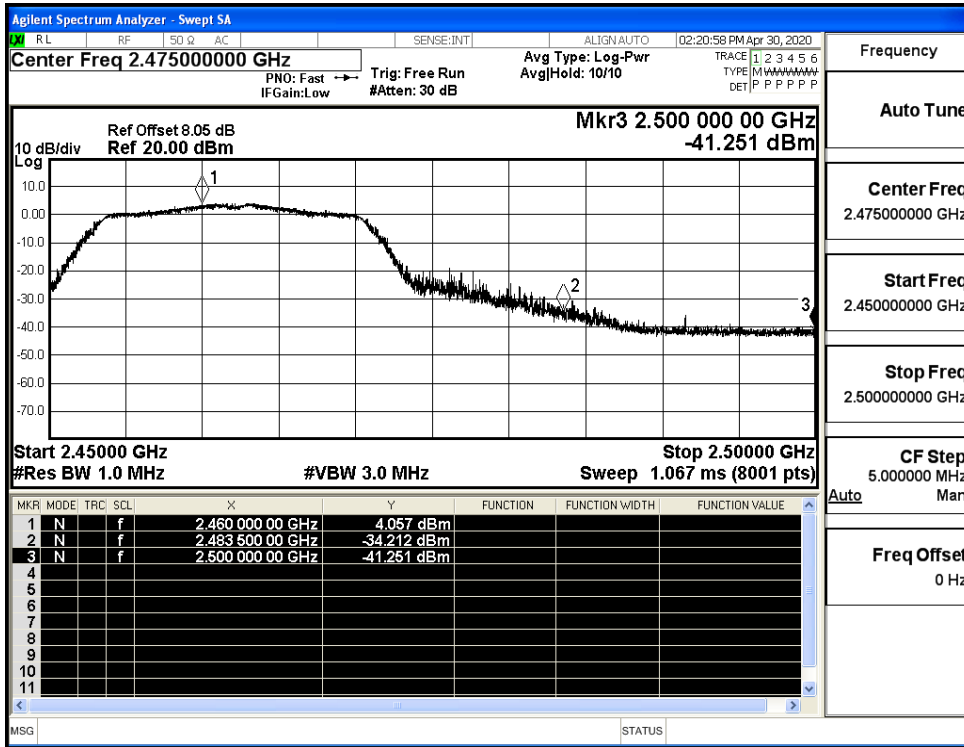
Restrict-band band-edge measurements\_11N20SISO\_2412\_Ant1\_PEAK



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

