

## Appendix B

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

Product Name: Tablet

Trade Mark: HYUNDAI

Test Model: HyTab-Pro 10WAB1

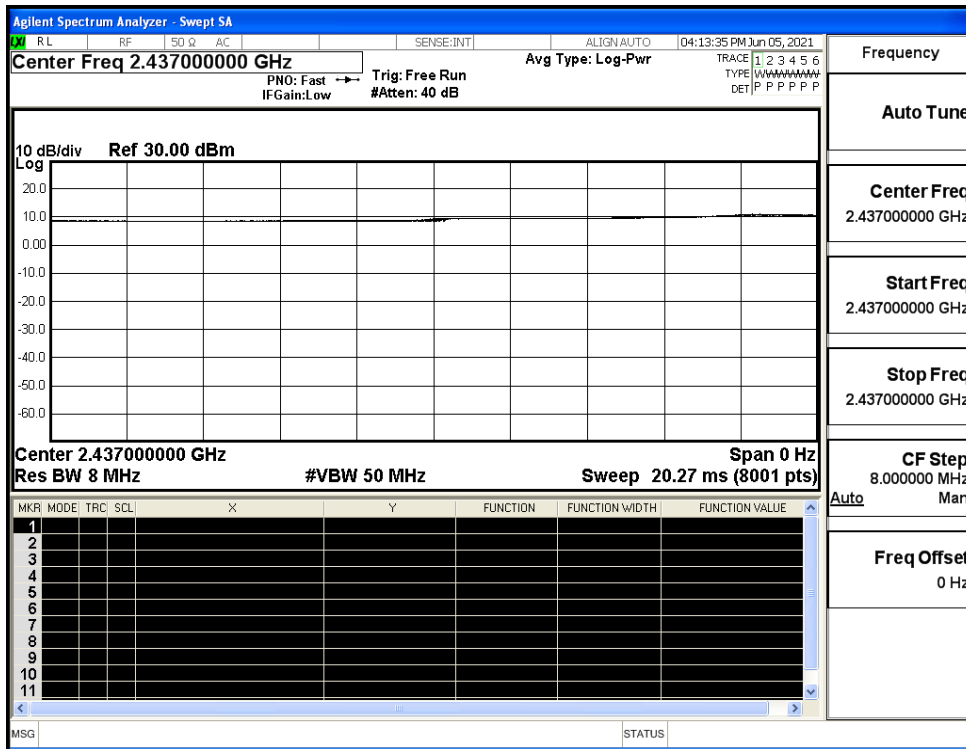
#### Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	Li Huan

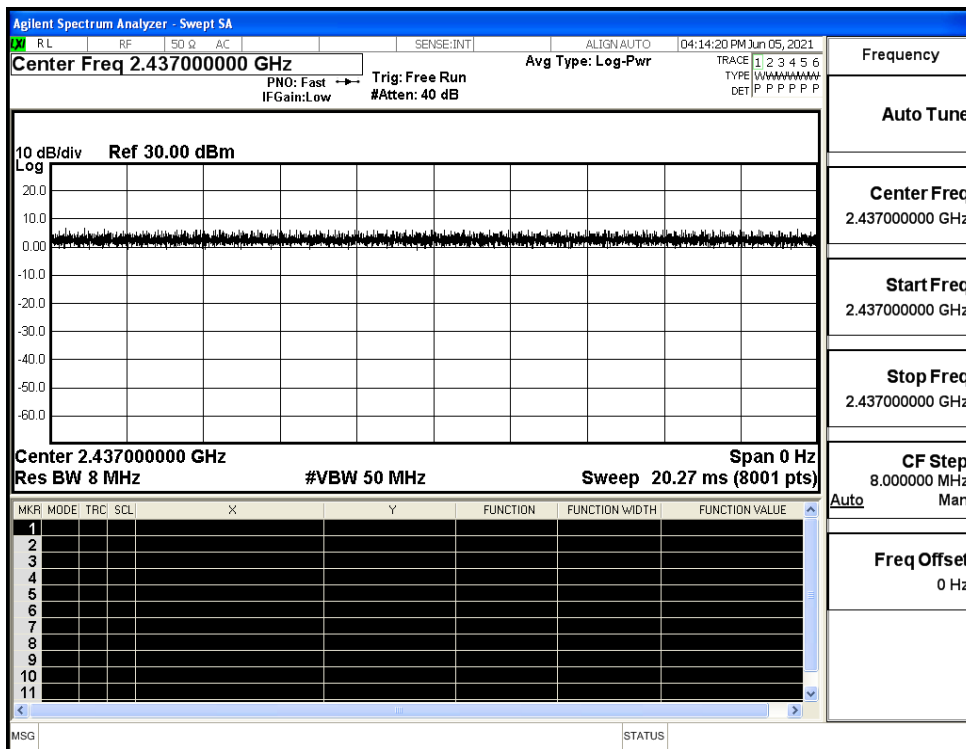
#### B.1 Duty Cycle

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

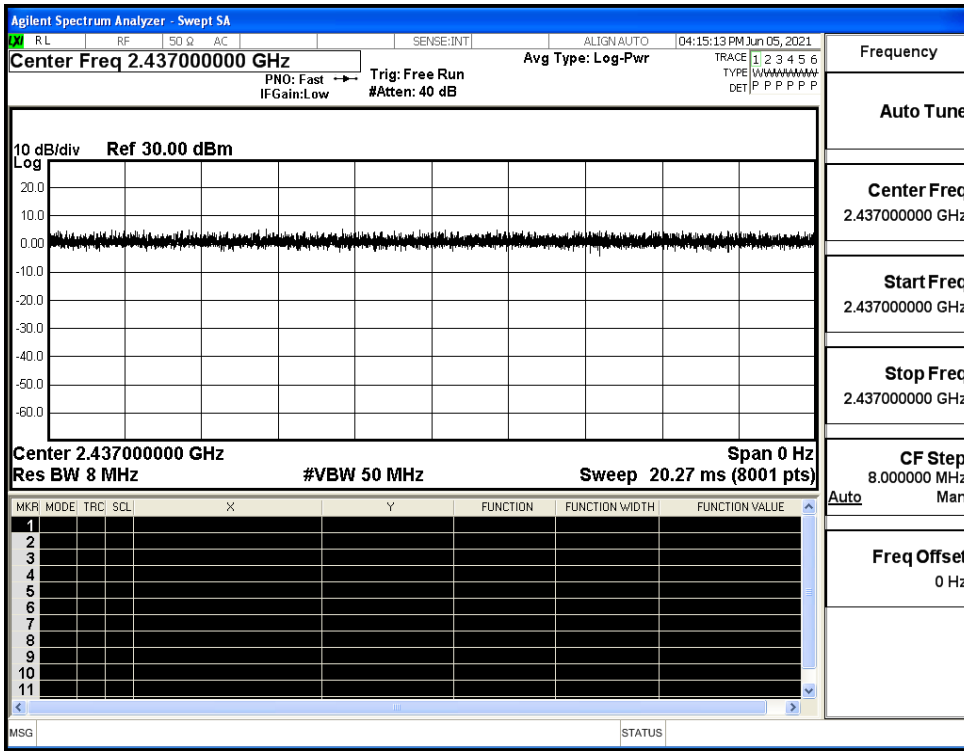
Duty Cycle\_11B\_2437\_Ant1



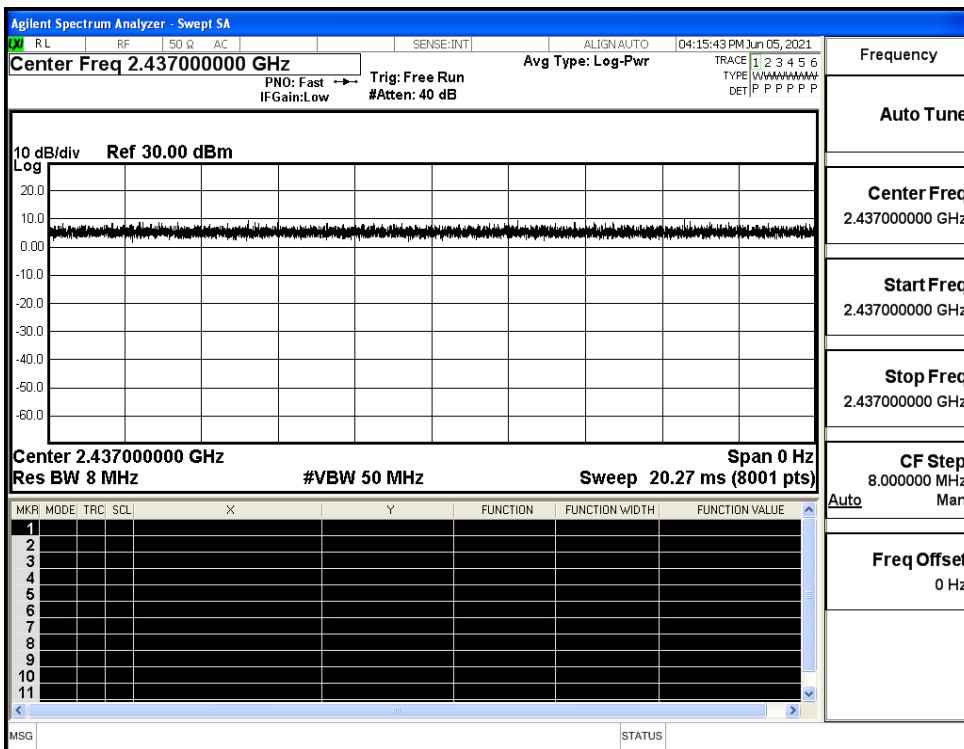
Duty Cycle\_11G\_2437\_Ant1



Duty Cycle\_11N20SISO\_2437\_Ant1



Duty Cycle\_11N40SISO\_2437\_Ant1

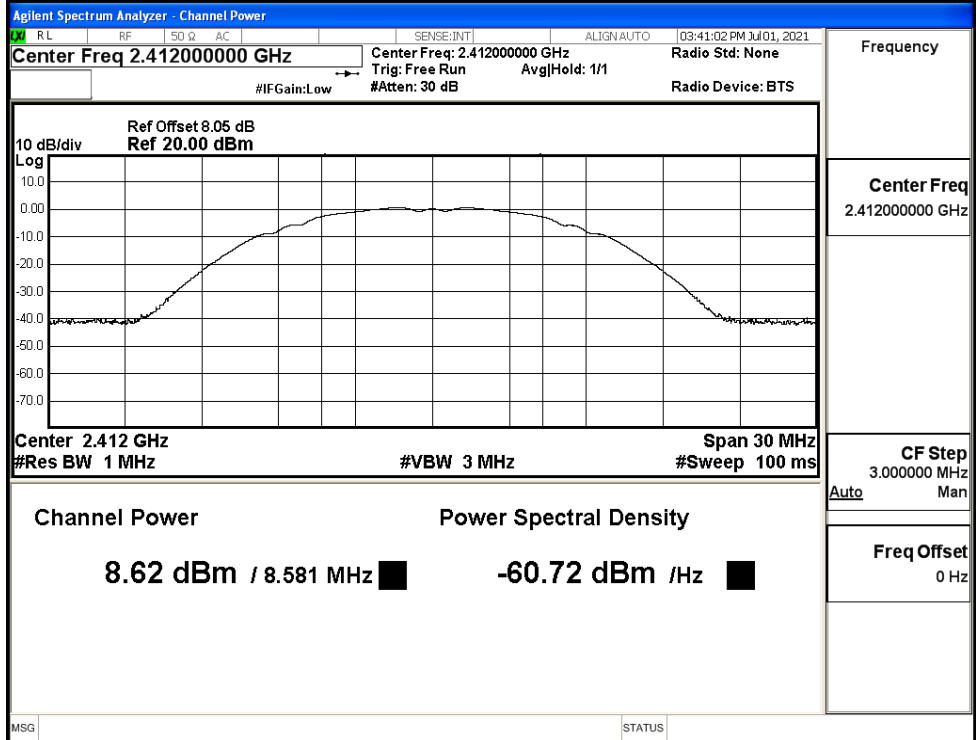


**B.2 Maximum Conducted Output Power**

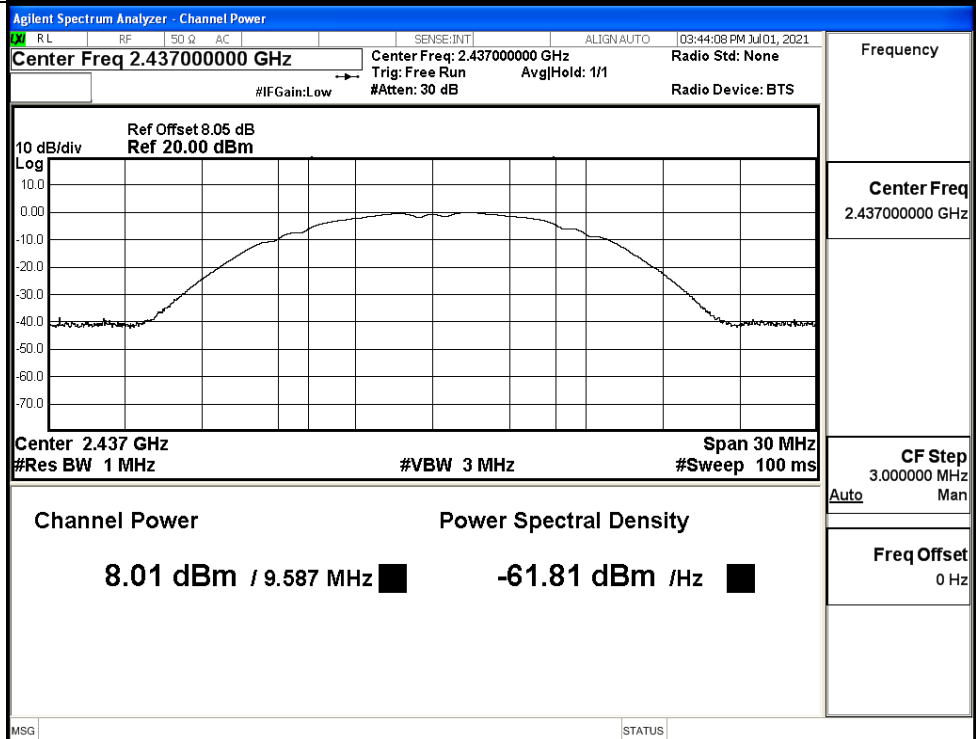
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	8.62	30	PASS
	MCH	8.01	30	PASS
	HCH	8.26	30	PASS
11G	LCH	8.63	30	PASS
	MCH	8.53	30	PASS
	HCH	8.82	30	PASS
11N20SISO	LCH	8.31	30	PASS
	MCH	8.57	30	PASS
	HCH	7.7	30	PASS
11N40SISO	LCH	8.72	30	PASS
	MCH	8.65	30	PASS
	HCH	8.68	30	PASS

Test Graphs

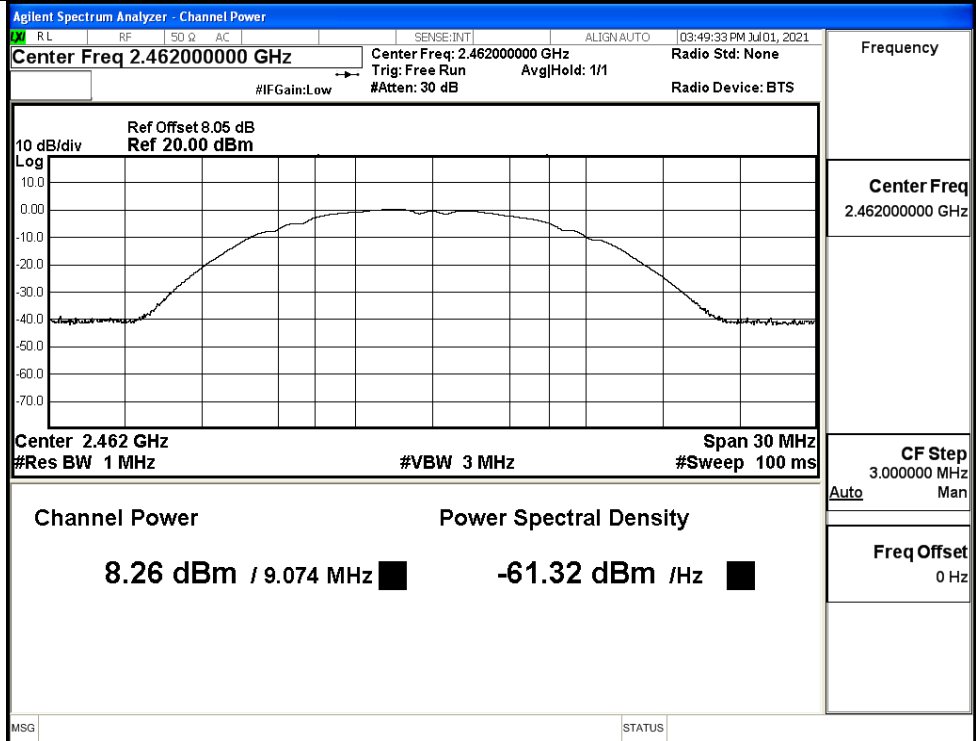
11B/LCH



11B/MCH

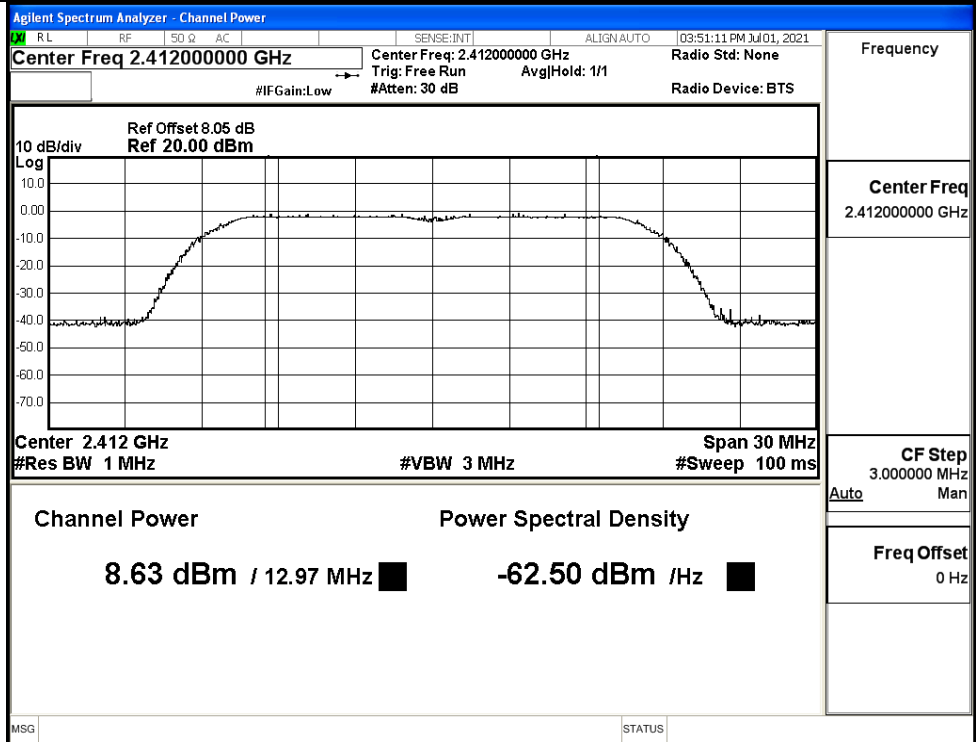


11B/HCH



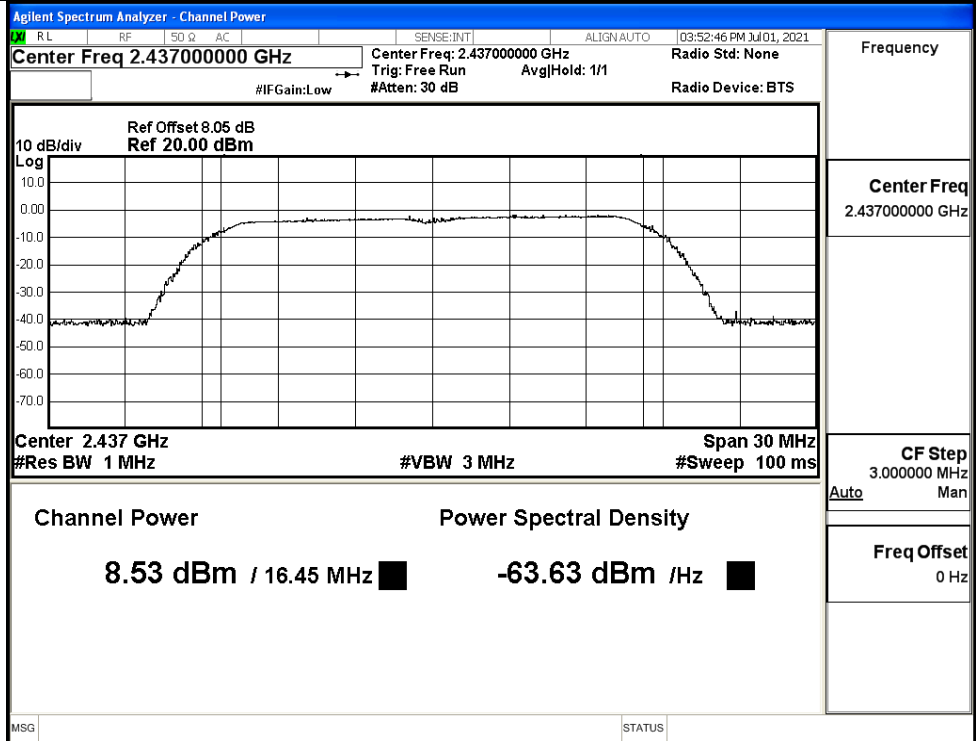
Frequency	2.46200000 GHz
Center Freq	2.46200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11G/LCH



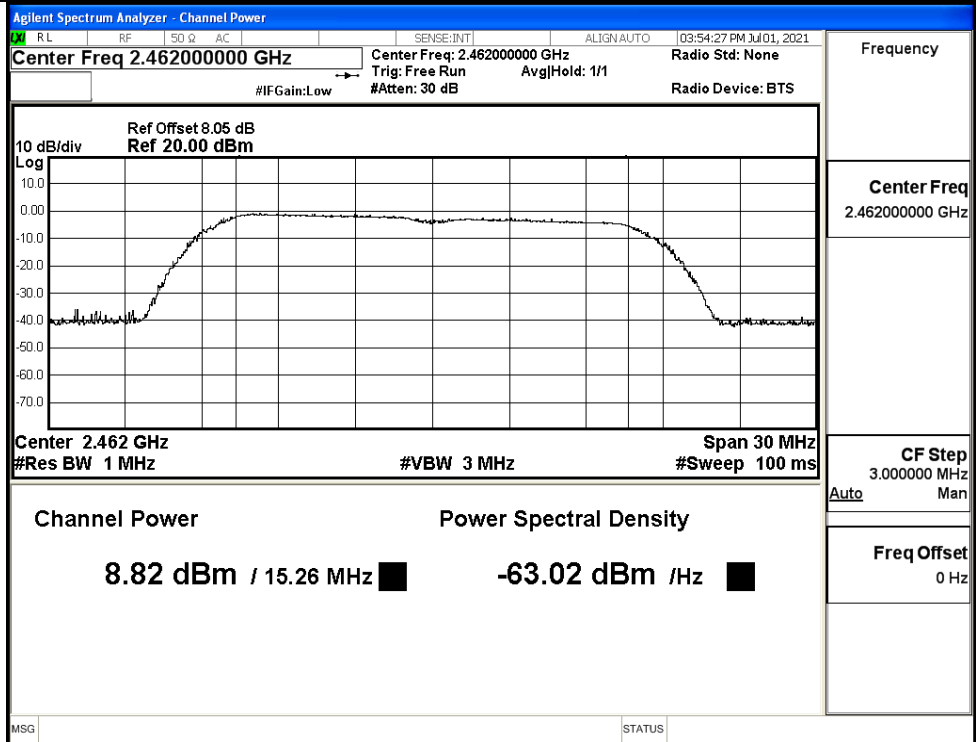
Frequency	2.41200000 GHz
Center Freq	2.41200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11G/MCH



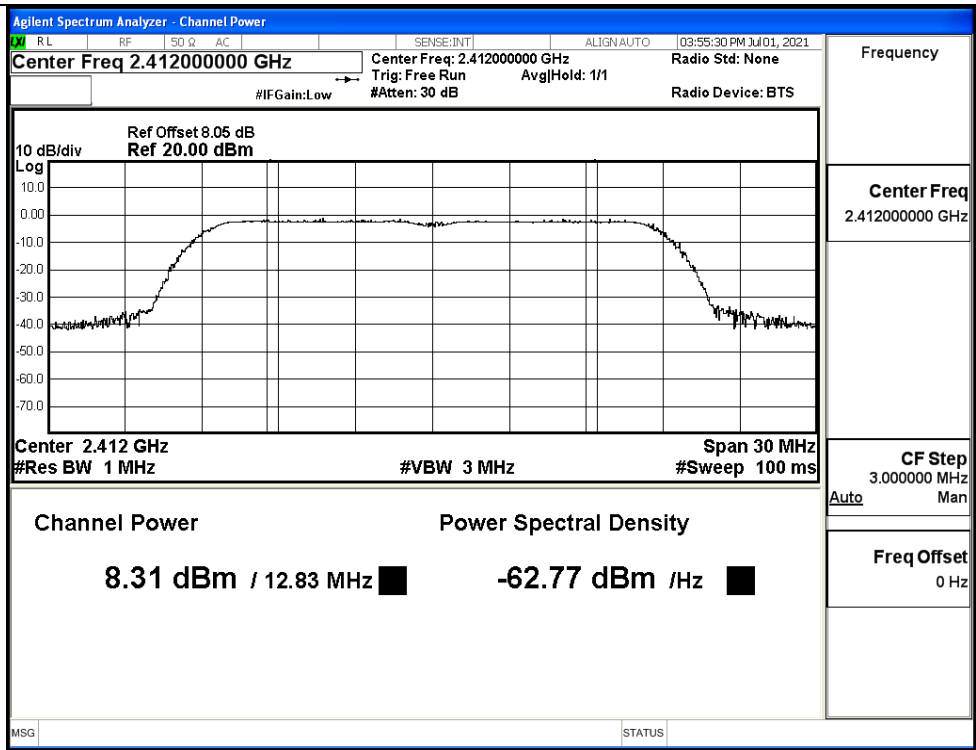
Frequency	2.437000000 GHz
Center Freq	2.437000000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11G/HCH



Frequency	2.462000000 GHz
Center Freq	2.462000000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N20SISO/LCH

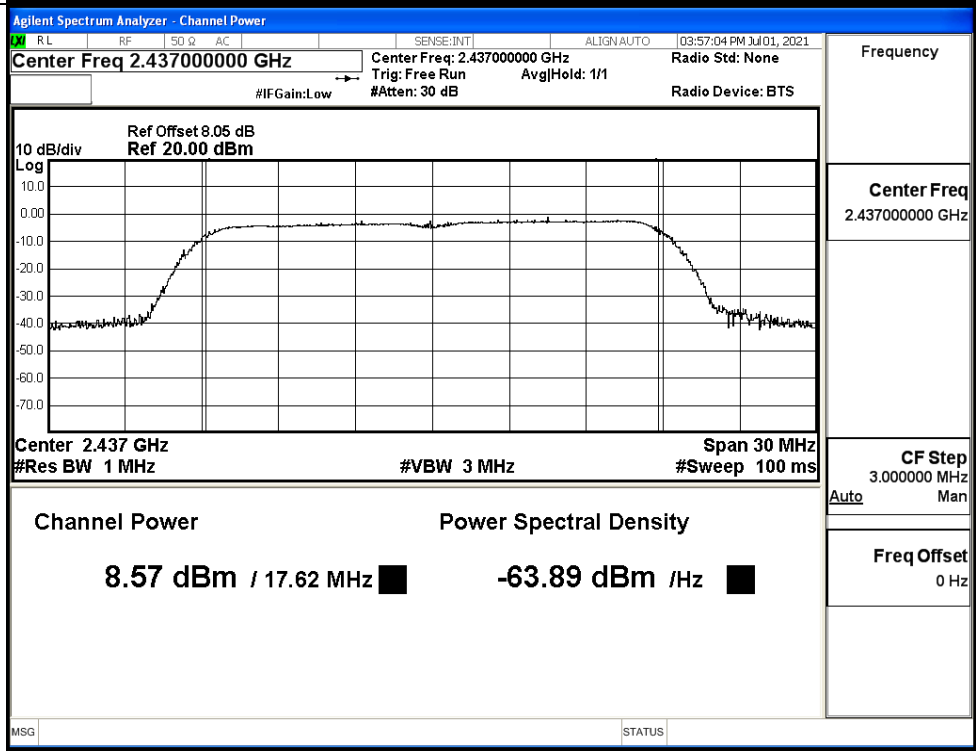


Frequency  
2.41200000 GHz

CF Step  
3.000000 MHz  
Auto Man

Freq Offset  
0 Hz

11N20SISO/MCH



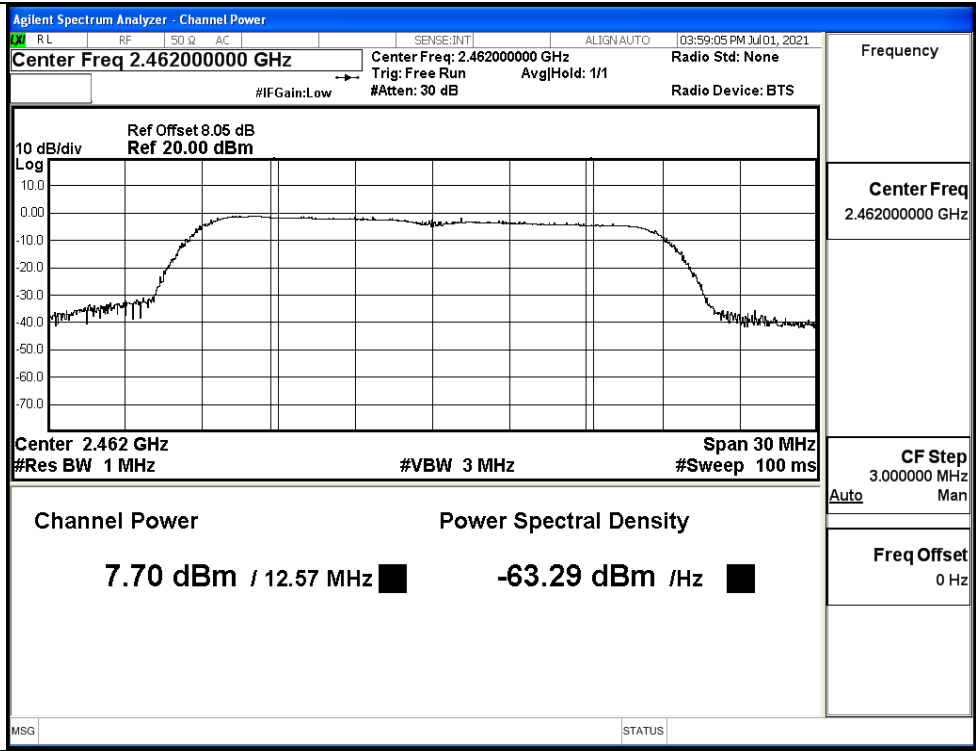
Frequency  
2.43700000 GHz

CF Step  
3.000000 MHz  
Auto Man

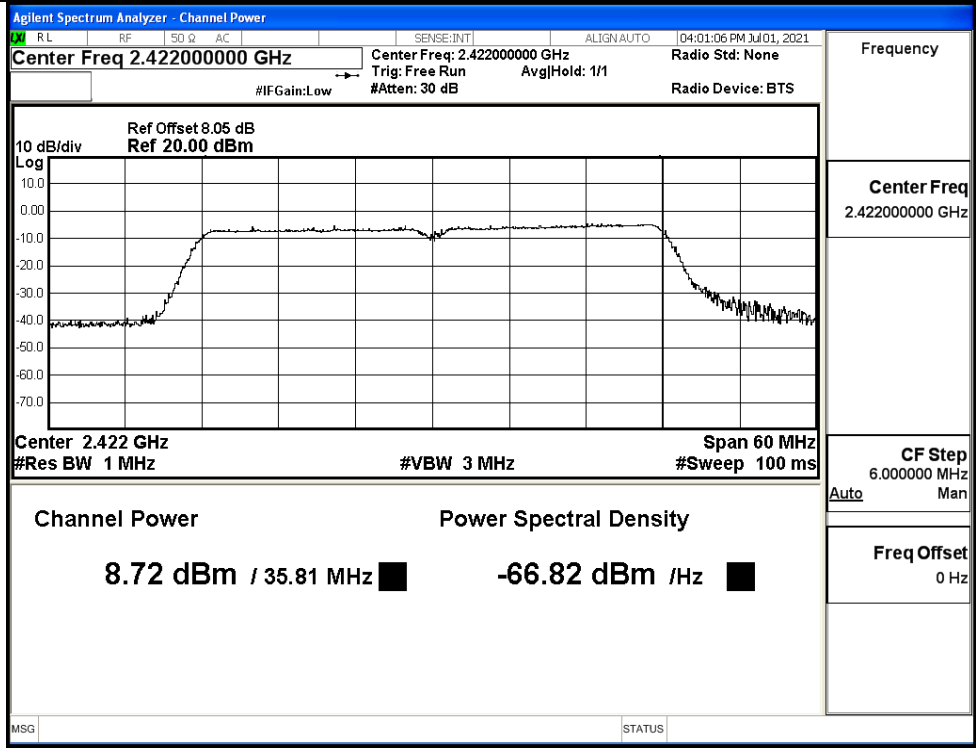
Freq Offset  
0 Hz



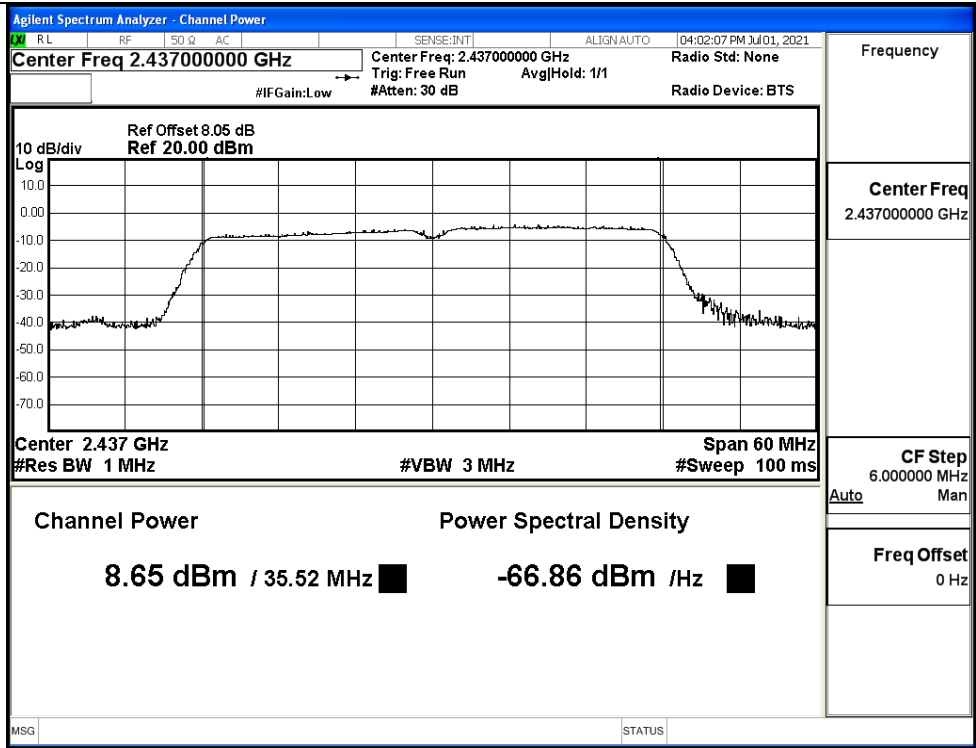
11N20SISO/HCH



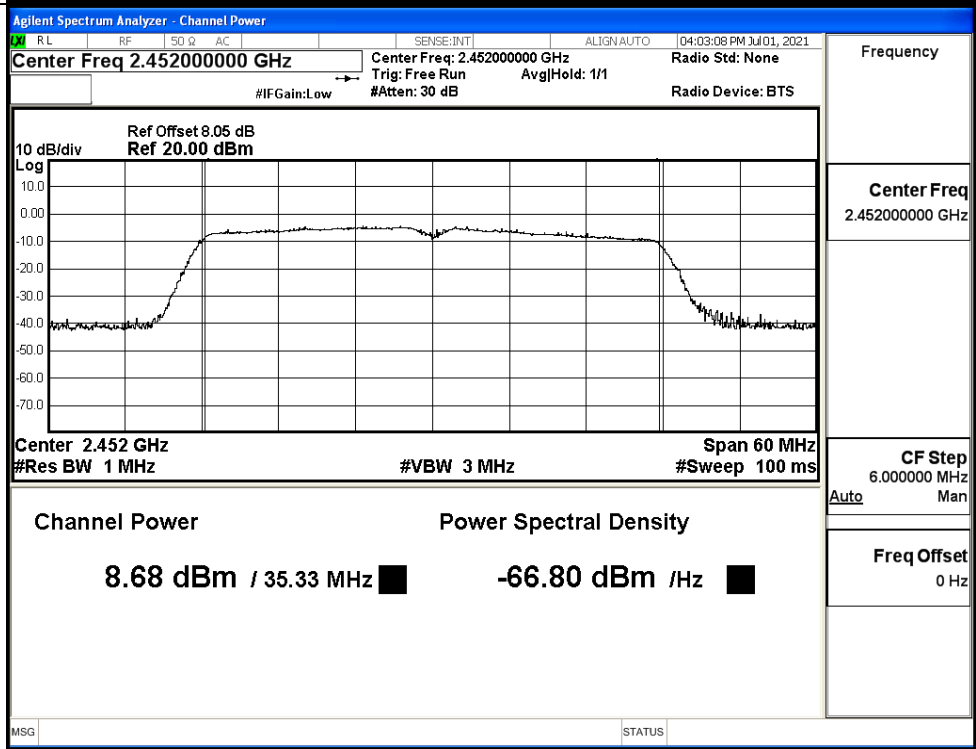
11N40SISO/LCH



11N40SISO/MCH



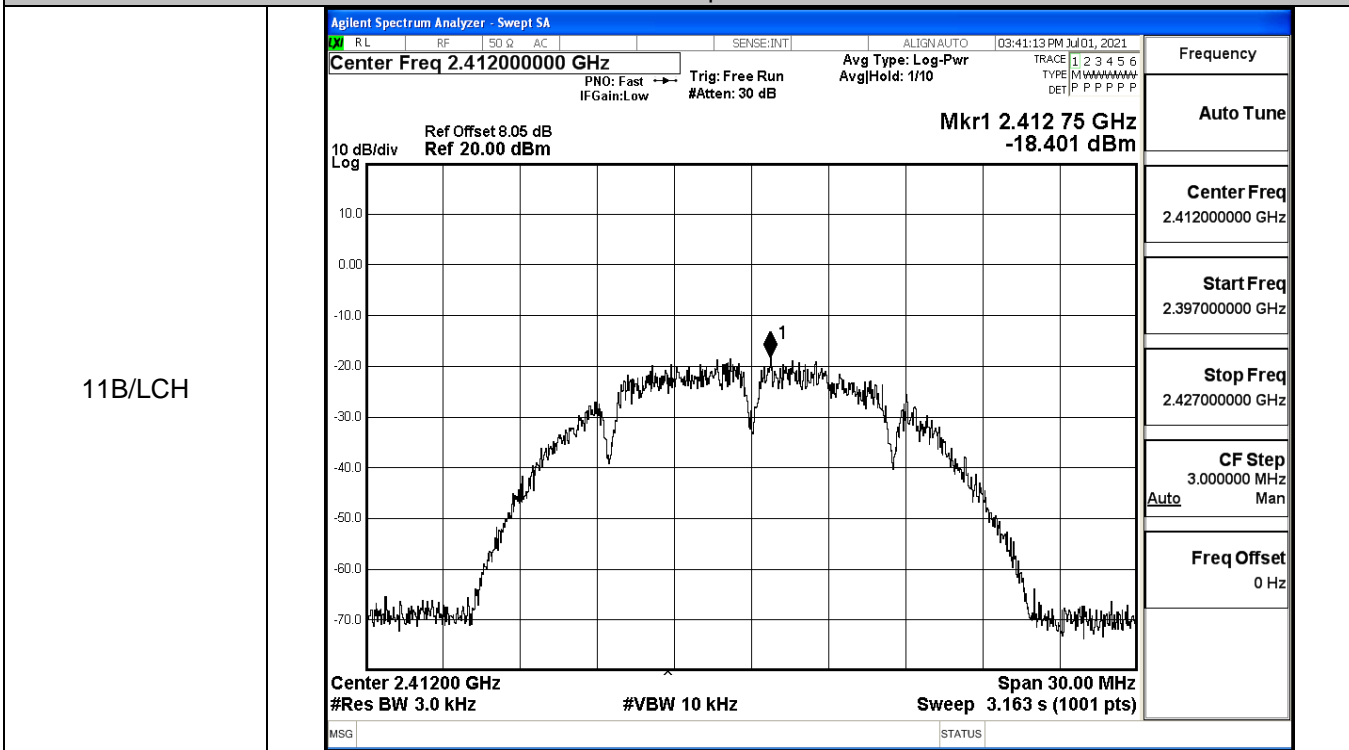
11N40SISO/HCH



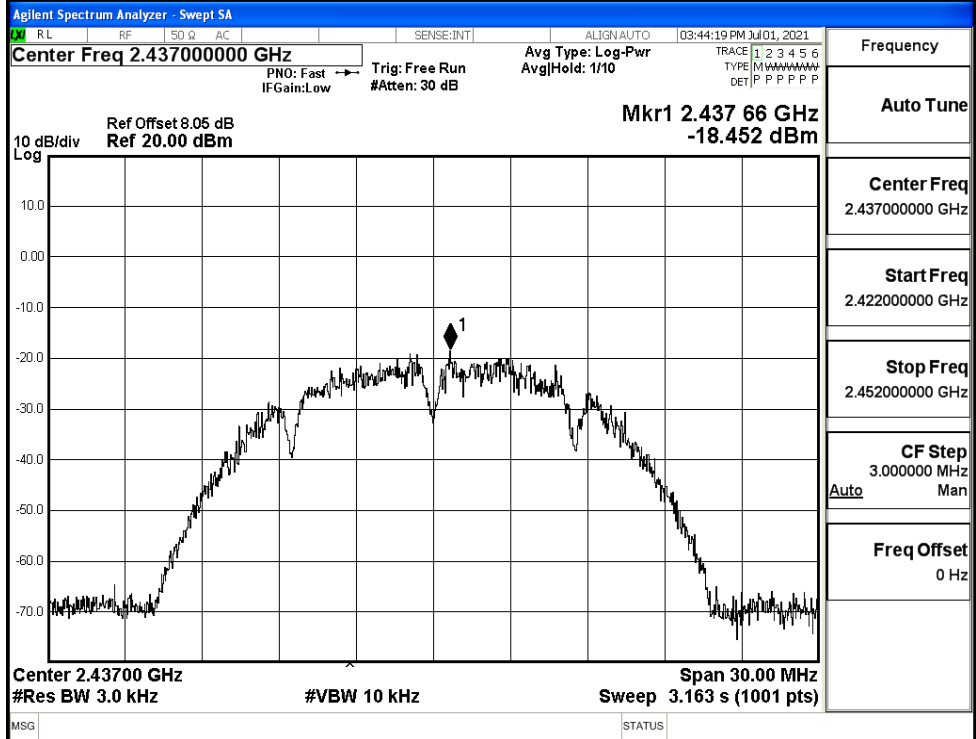
### B.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-18.401	8	PASS
	MCH	-18.452	8	PASS
	HCH	-17.790	8	PASS
11G	LCH	-23.667	8	PASS
	MCH	-25.824	8	PASS
	HCH	-23.032	8	PASS
11N20SISO	LCH	-23.919	8	PASS
	MCH	-24.952	8	PASS
	HCH	-24.544	8	PASS
11N40SISO	LCH	-28.567	8	PASS
	MCH	-27.898	8	PASS
	HCH	-27.343	8	PASS

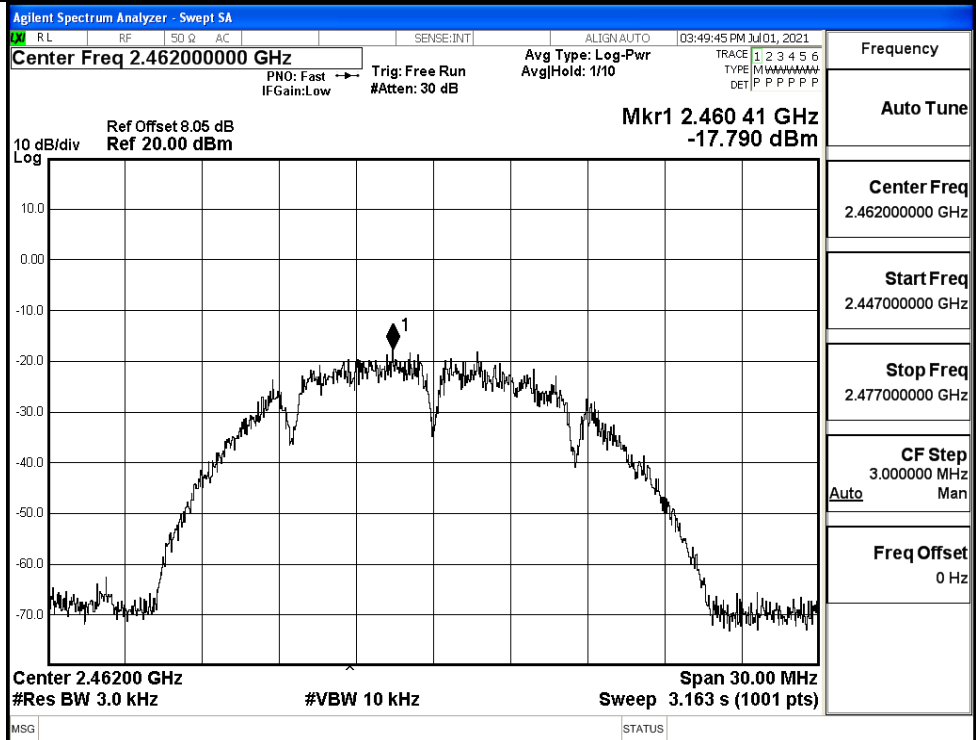
#### Test Graphs



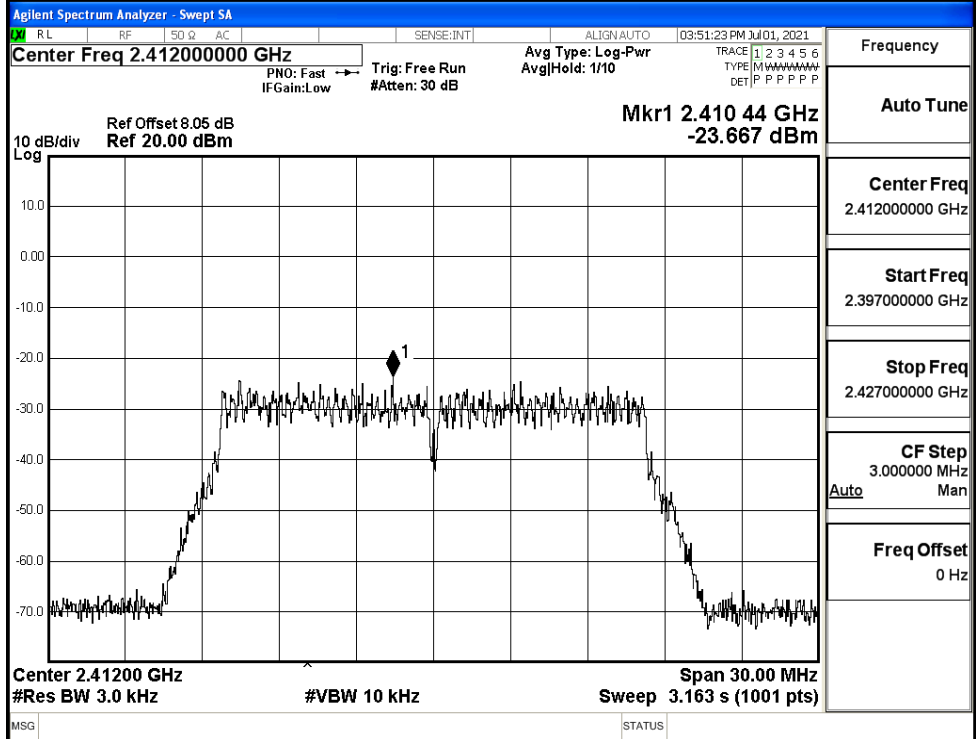
11B/MCH



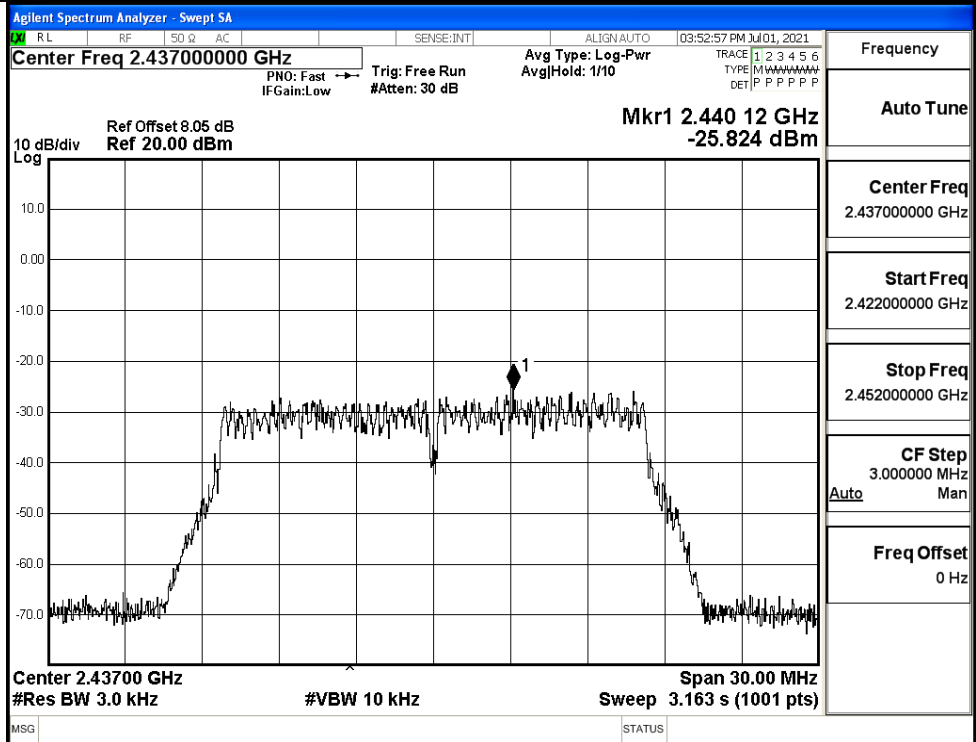
11B/HCH



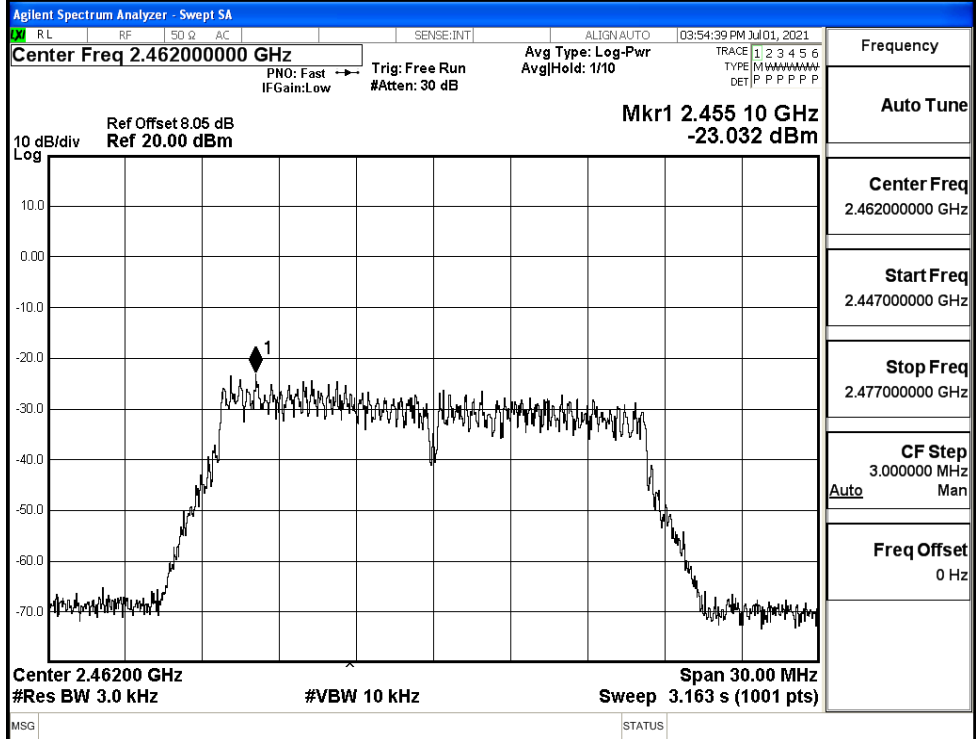
11G/LCH



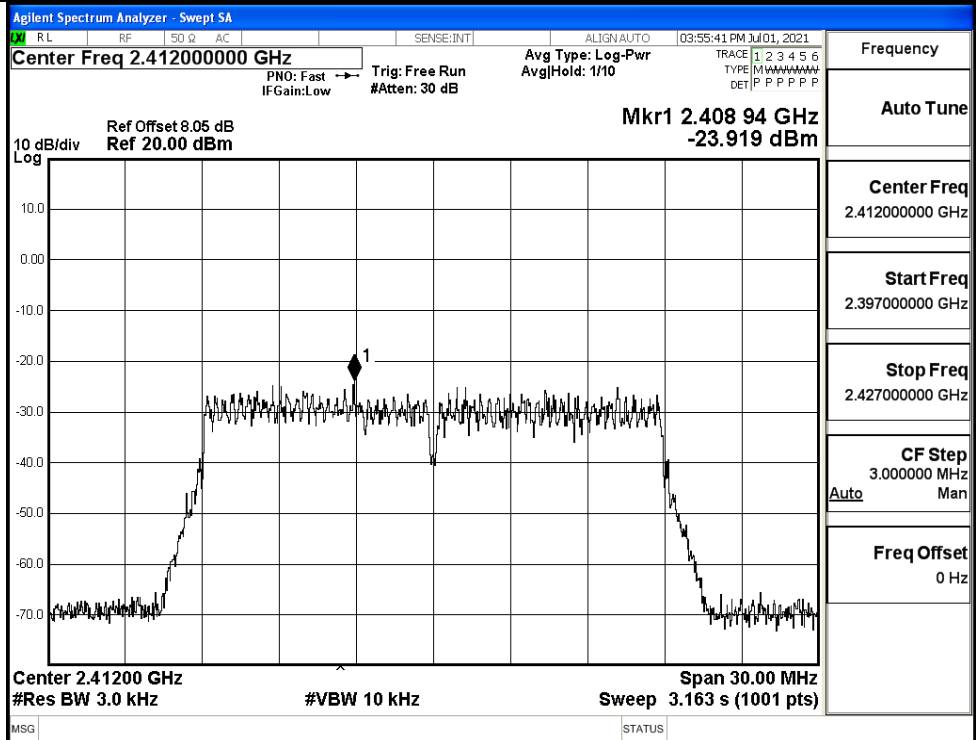
11G/MCH



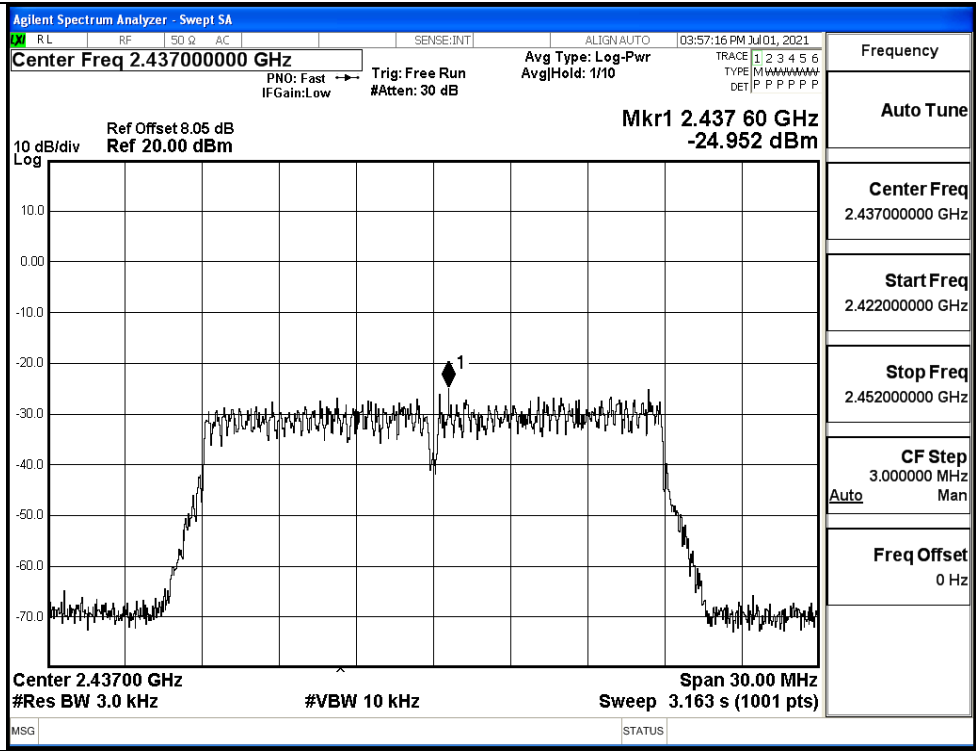
11G/HCH



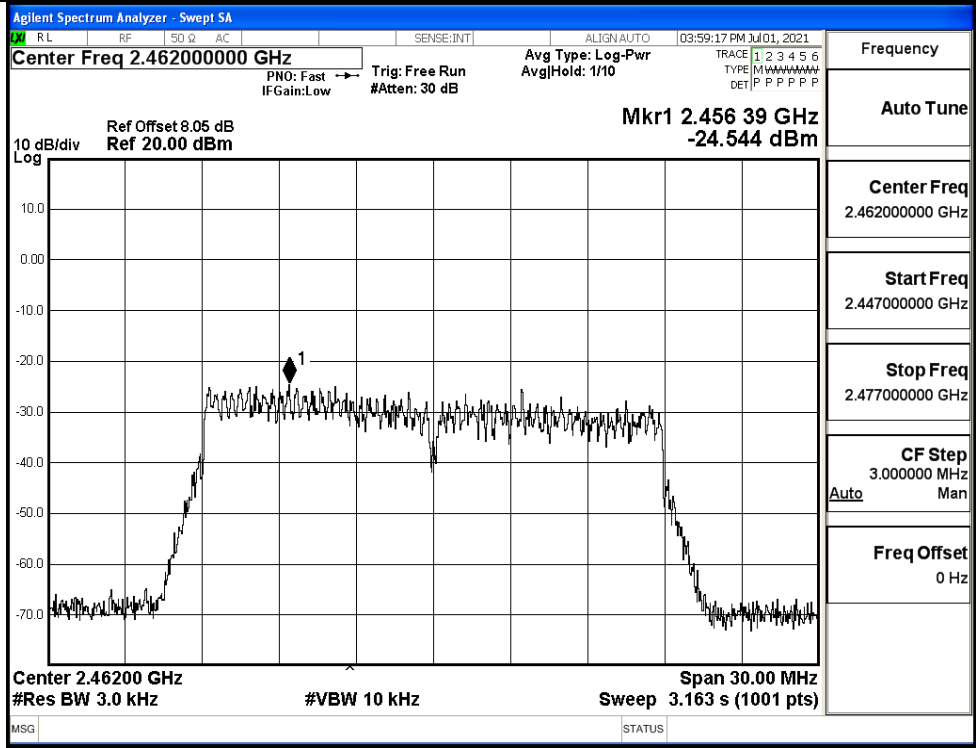
11N20SISO/LCH



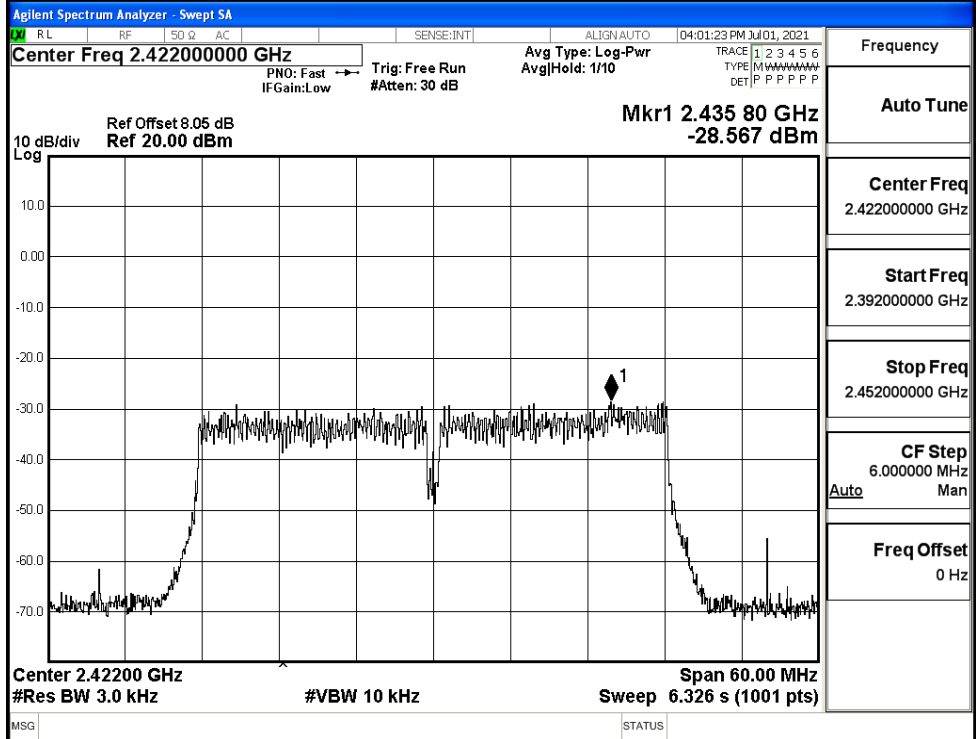
11N20SISO/MCH



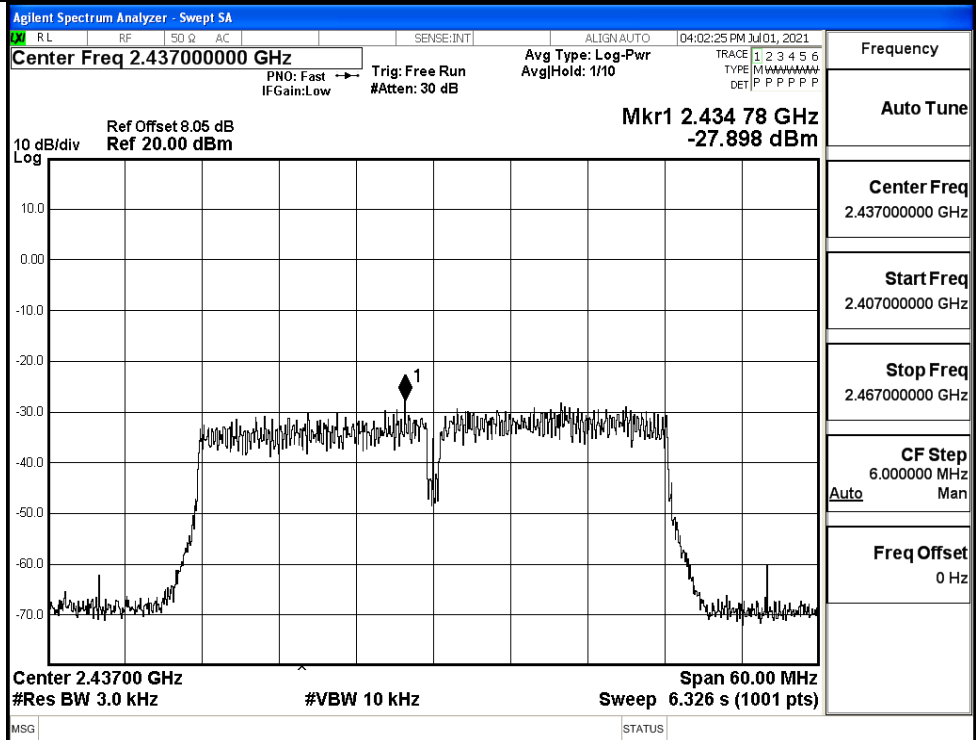
11N20SISO/HCH



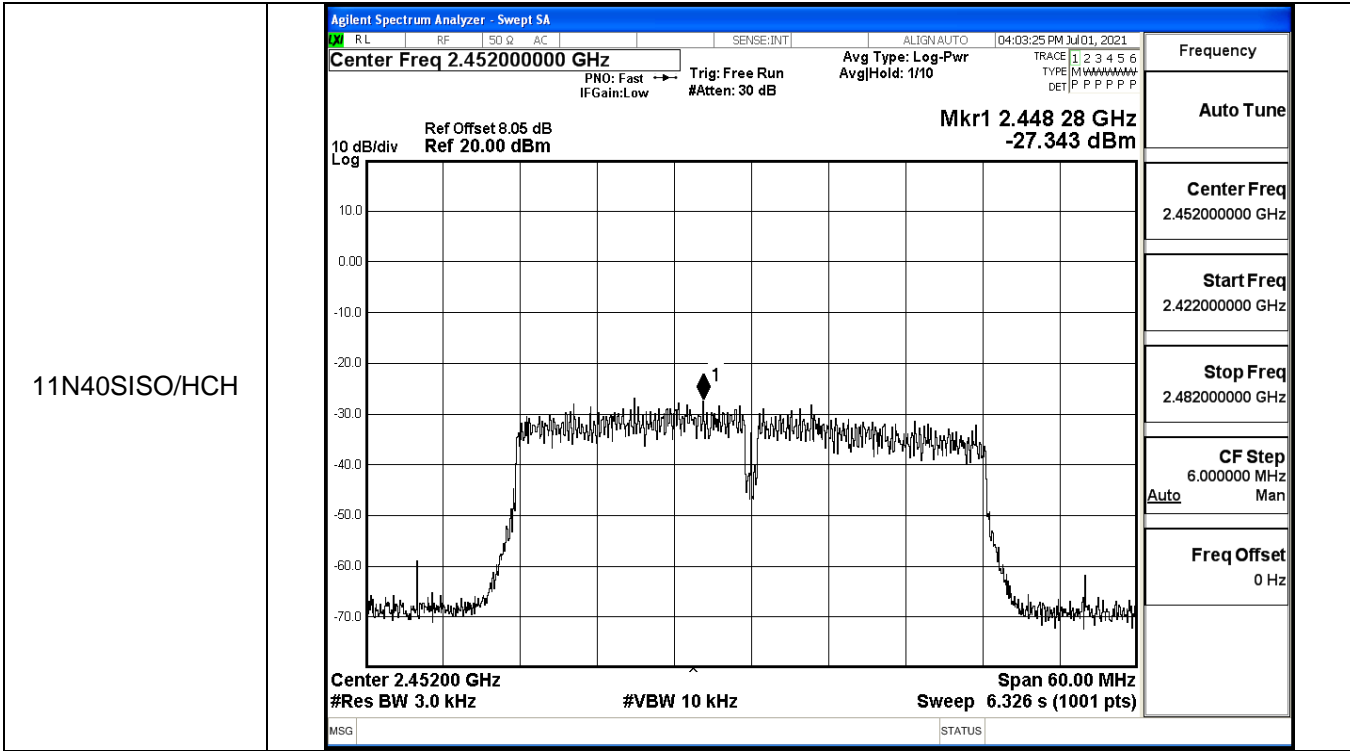
11N40SISO/LCH



11N40SISO/MCH

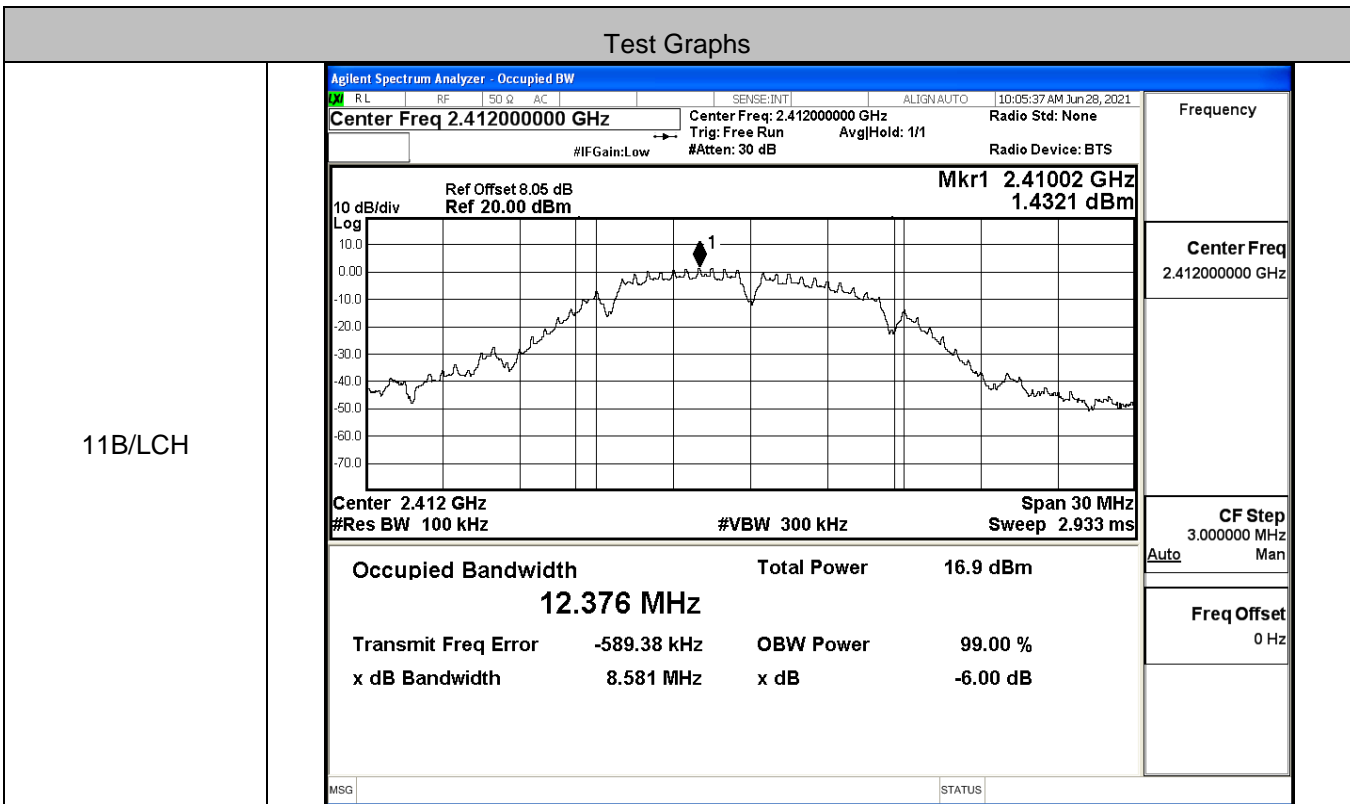




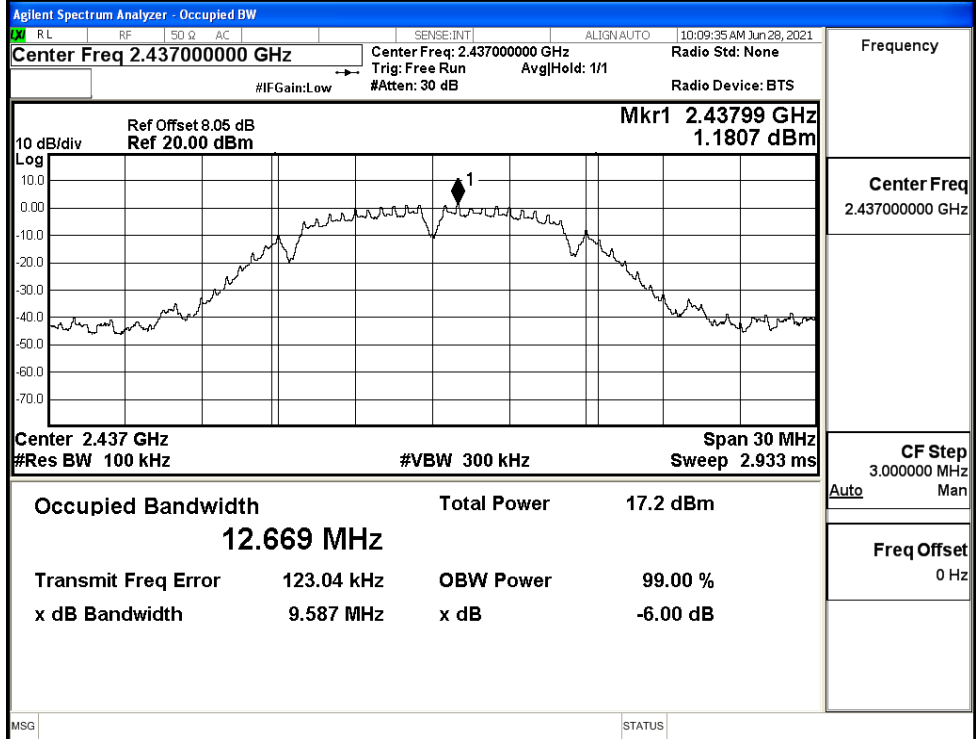


**B.4 6dB Bandwidth**

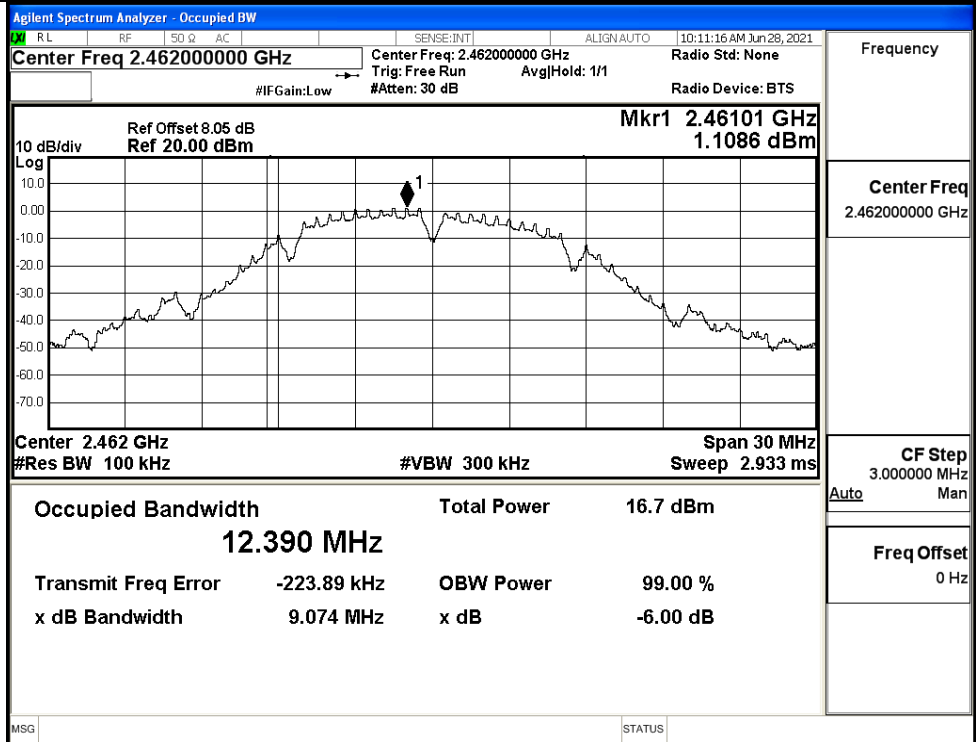
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.581	≥0.5	PASS
	MCH	9.587	≥0.5	PASS
	HCH	9.074	≥0.5	PASS
11G	LCH	12.97	≥0.5	PASS
	MCH	16.45	≥0.5	PASS
	HCH	15.26	≥0.5	PASS
11N20SISO	LCH	12.83	≥0.5	PASS
	MCH	17.62	≥0.5	PASS
	HCH	12.57	≥0.5	PASS
11N40SISO	LCH	35.81	≥0.5	PASS
	MCH	35.52	≥0.5	PASS
	HCH	35.33	≥0.5	PASS



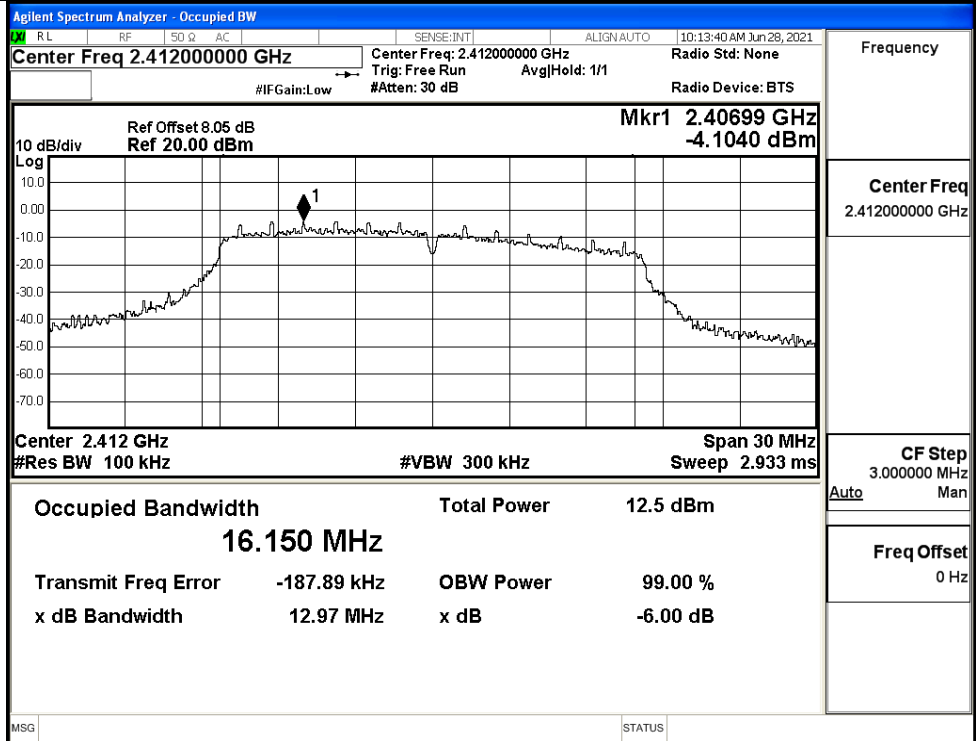
11B/MCH



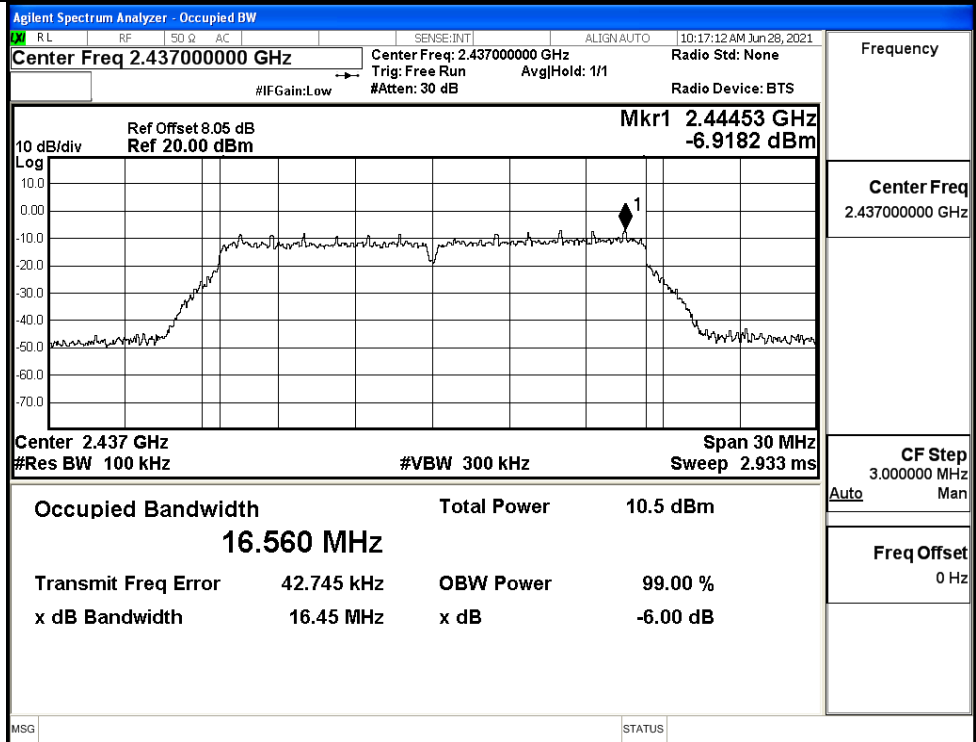
11B/HCH



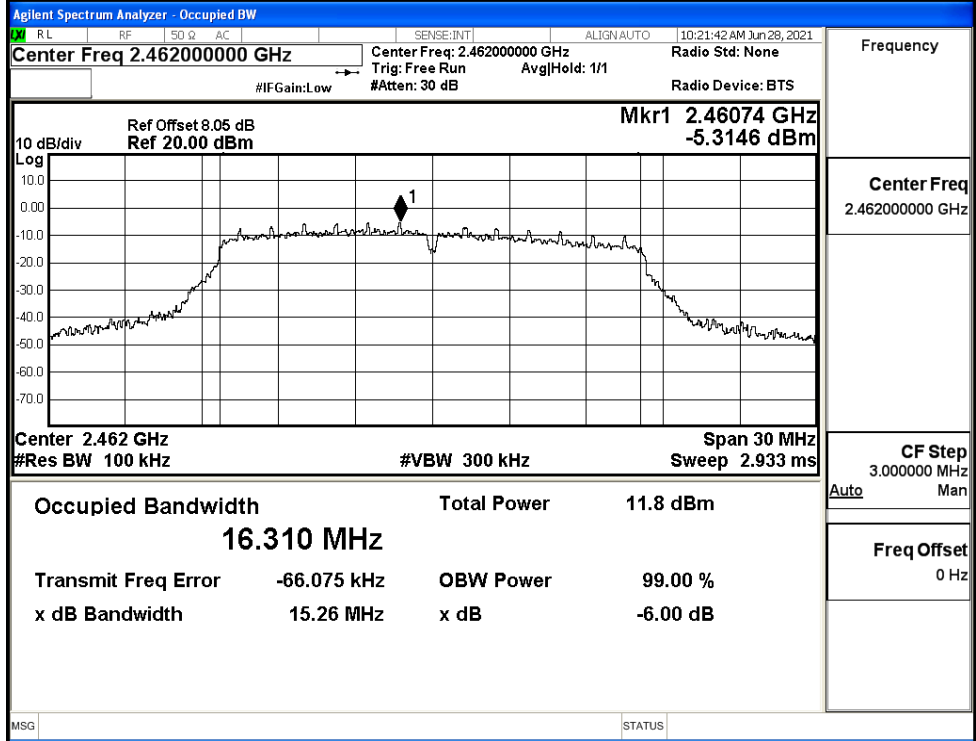
11G/LCH



11G/MCH

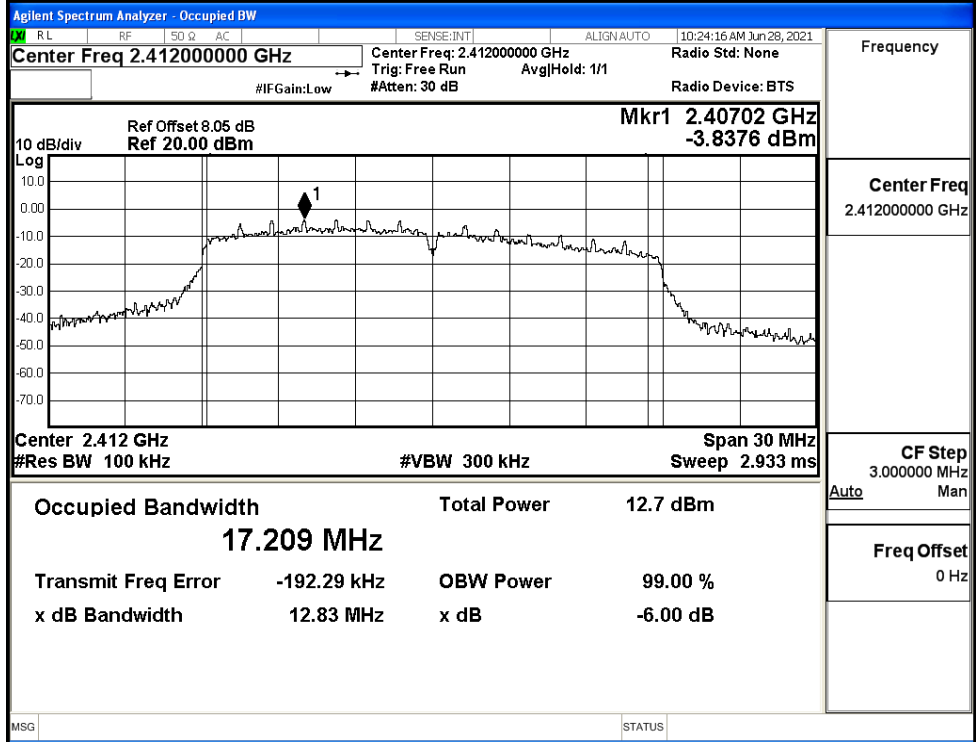


11G/HCH



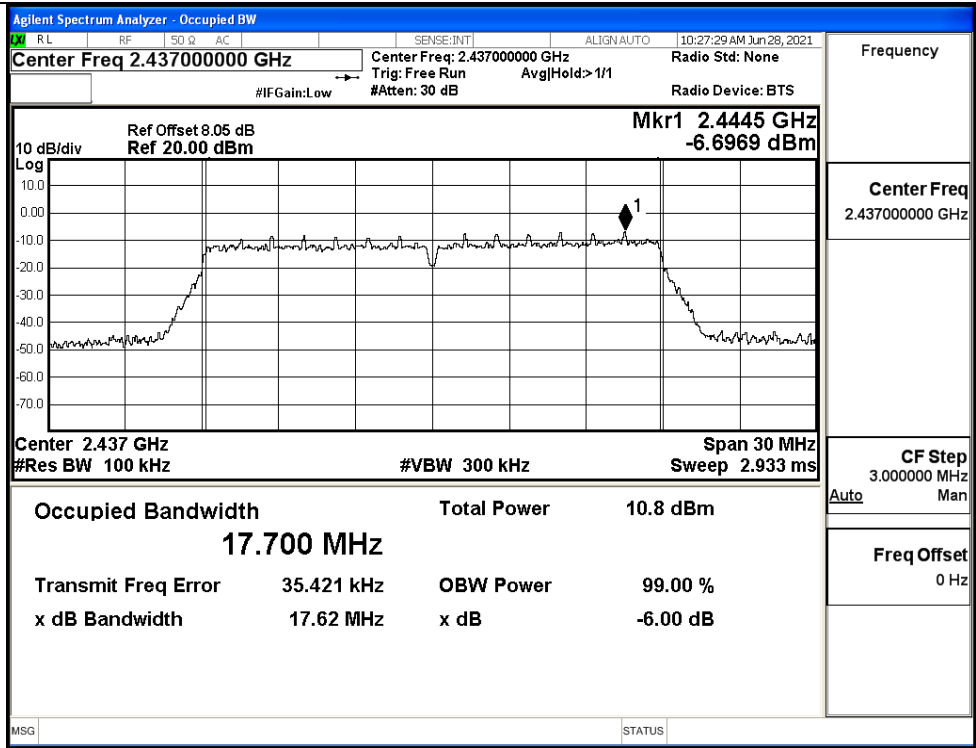
Frequency	2.46200000 GHz
Center Freq	2.46200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N20SISO/LCH

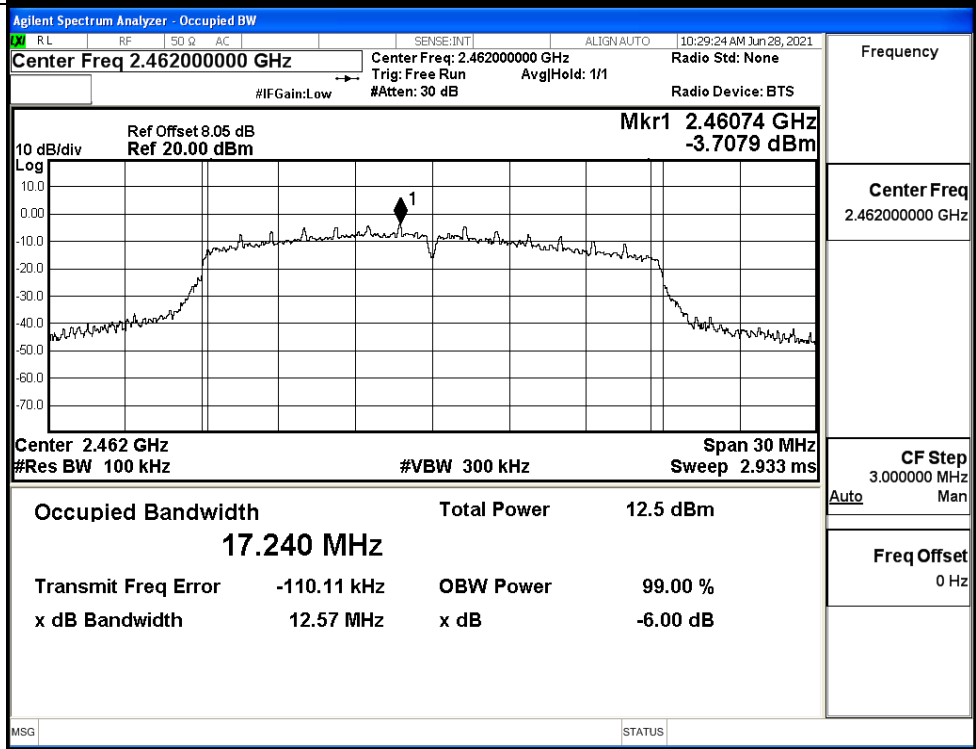


Frequency	2.41200000 GHz
Center Freq	2.41200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

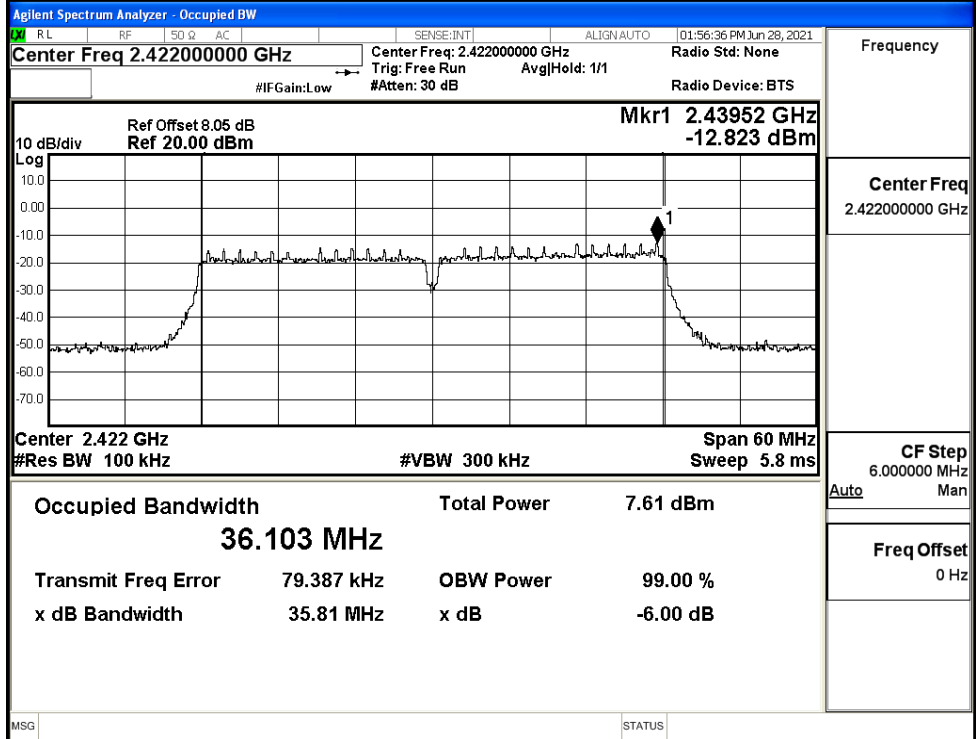
11N20SISO/MCH



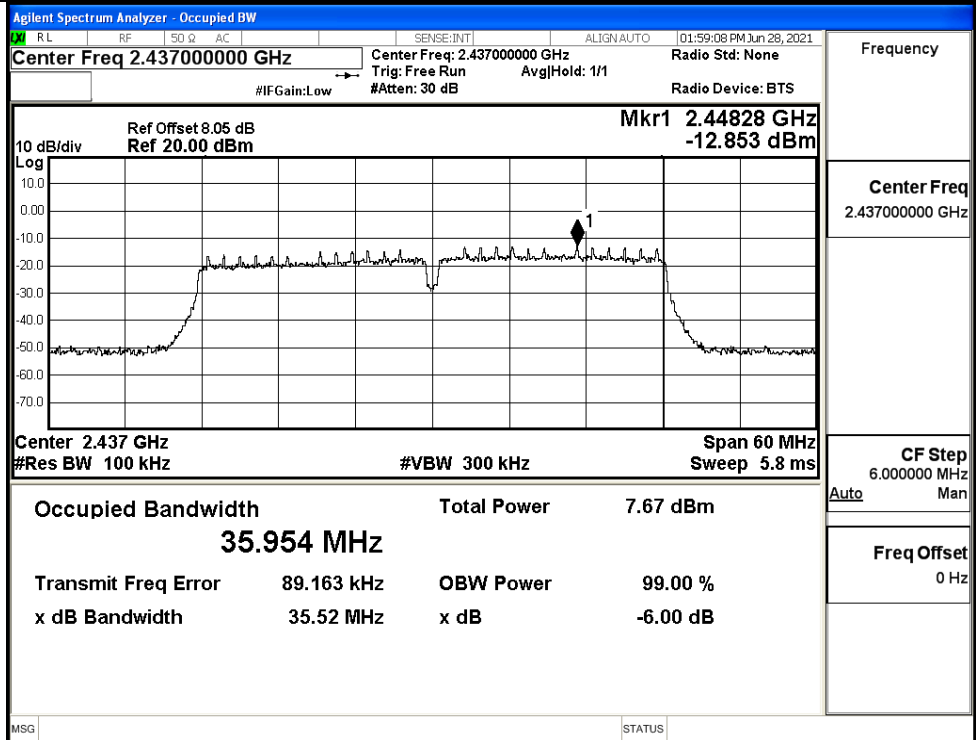
11N20SISO/HCH



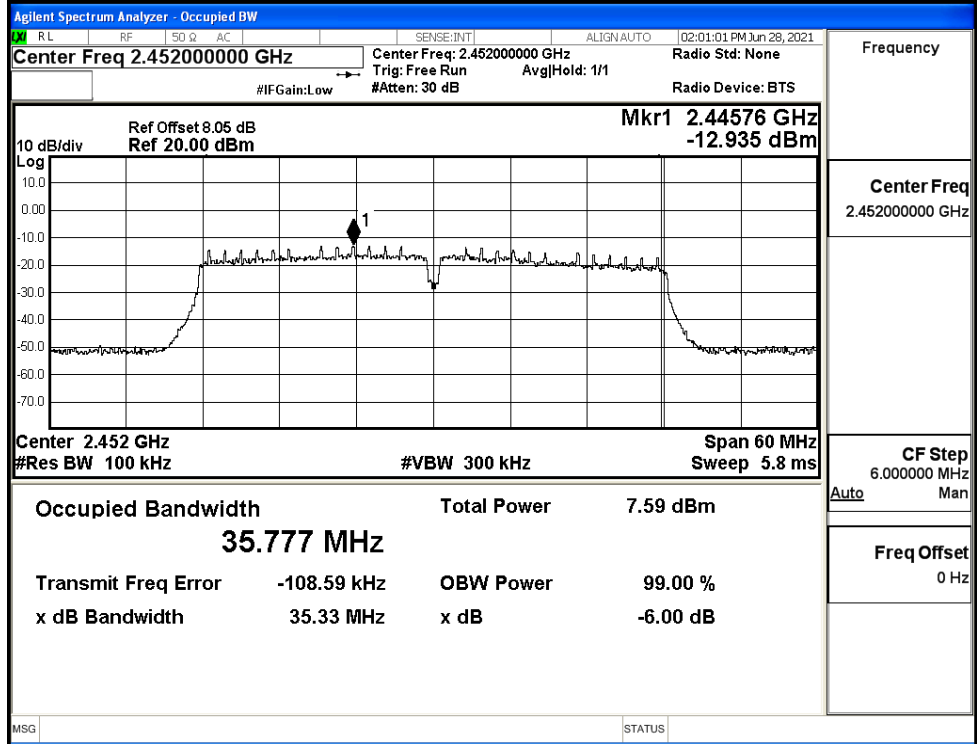
11N40SISO/LCH



11N40SISO/MCH



11N40SISO/HCH



Frequency	Center Freq 2.45200000 GHz
CF Step	6.000000 MHz Auto    Man
Freq Offset	0 Hz

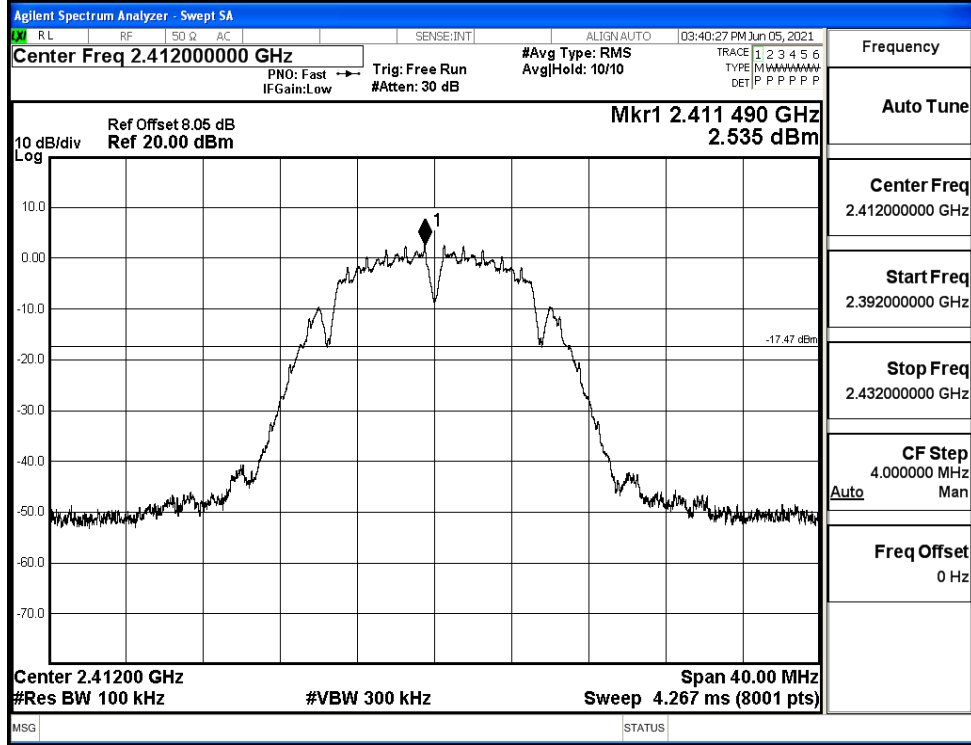


**B.5 RF Conducted Spurious Emissions**

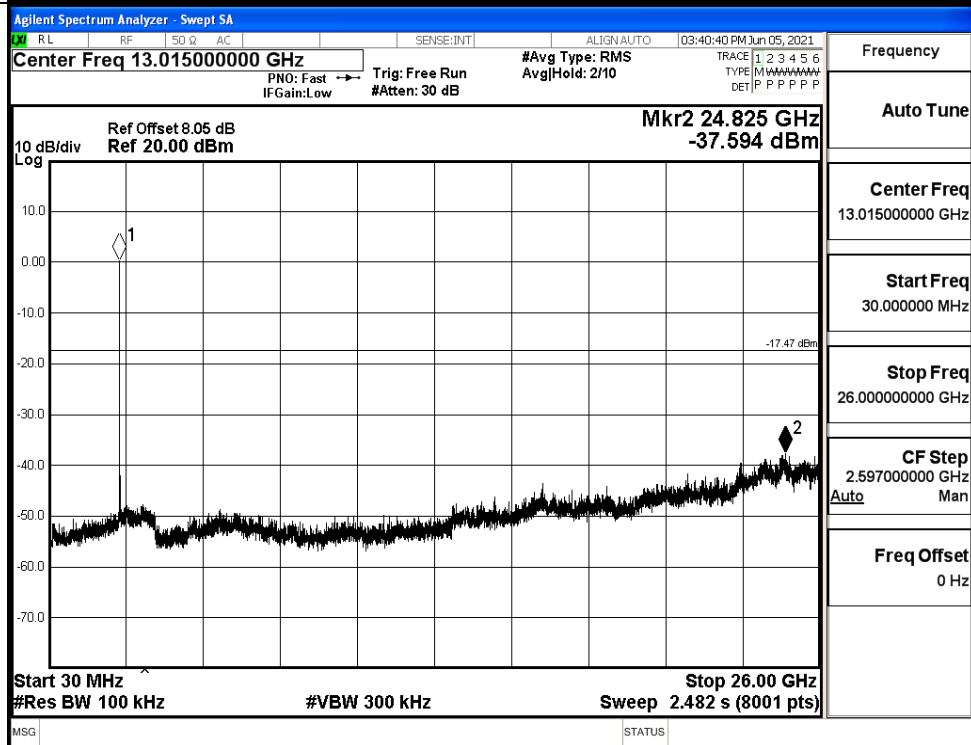
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.535	-37.594	-17.465	PASS
	MCH	3.335	-38.243	-16.665	PASS
	HCH	2.344	-37.799	-17.656	PASS
11G	LCH	-8.119	-37.460	-28.119	PASS
	MCH	-7.166	-37.867	-27.166	PASS
	HCH	-7.78	-37.799	-27.780	PASS
11N20 SISO	LCH	-8.991	-37.815	-28.991	PASS
	MCH	-7.81	-38.141	-27.810	PASS
	HCH	-7.969	-38.229	-27.969	PASS
11N40 SISO	LCH	-12.038	-37.719	-32.038	PASS
	MCH	-12.205	-38.059	-32.205	PASS
	HCH	-12.067	-38.216	-32.067	PASS

11B\_LCH\_Graphs

Pref/11B/LCH

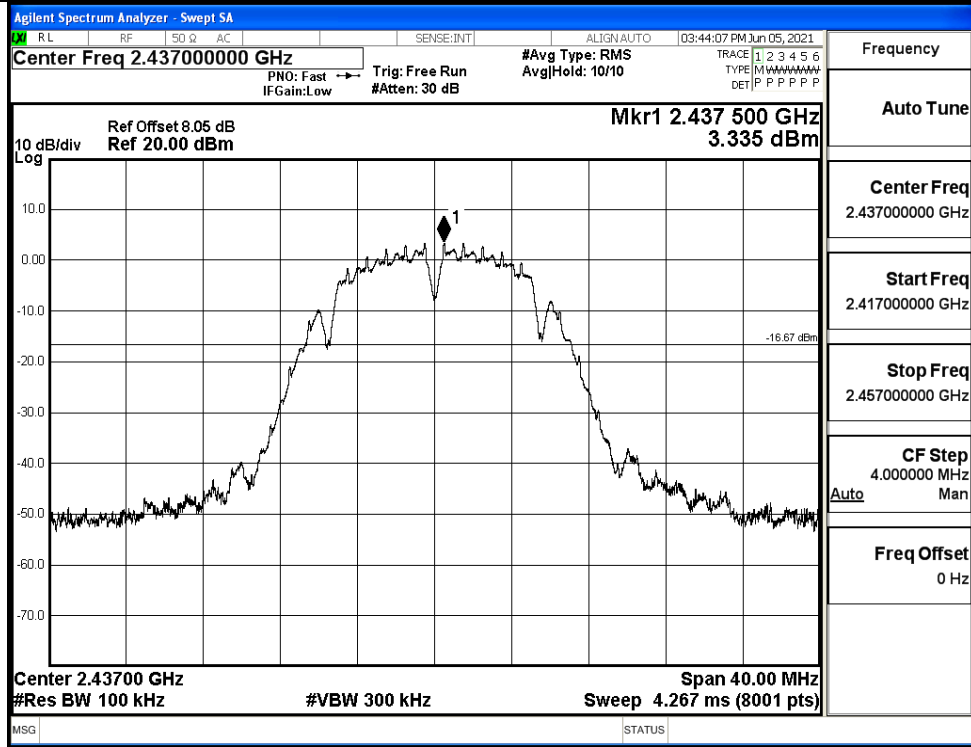


Puw/11B/LCH

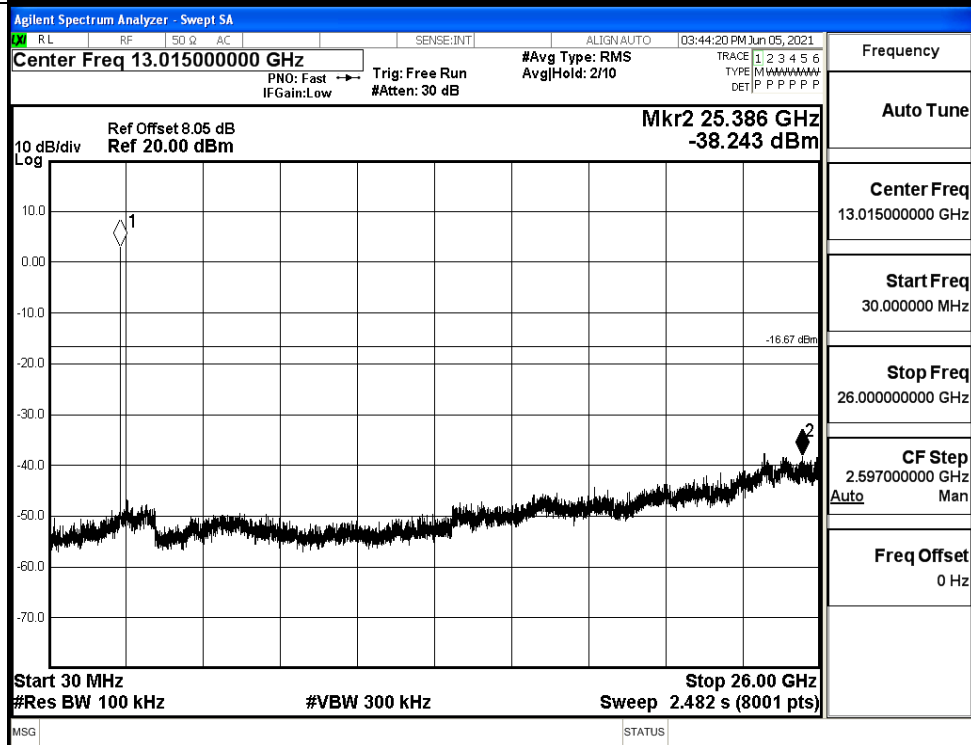


11B\_MCH\_Graphs

Pref/11B/MCH

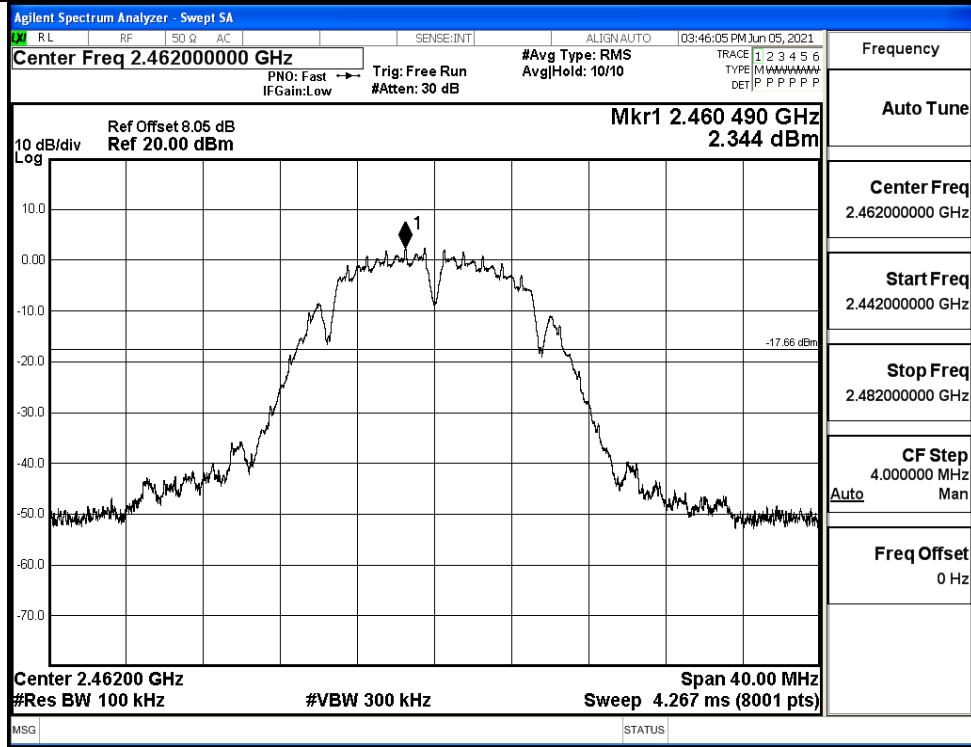


Puw/11B/MCH

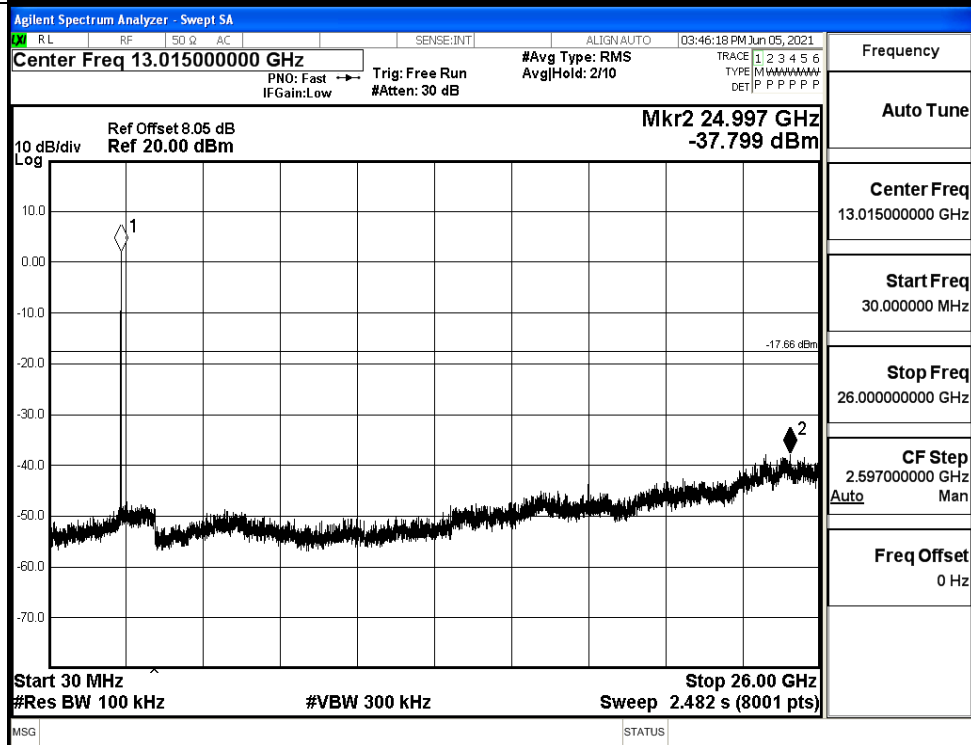


11B\_HCH\_Graphs

Pref/11B/HCH

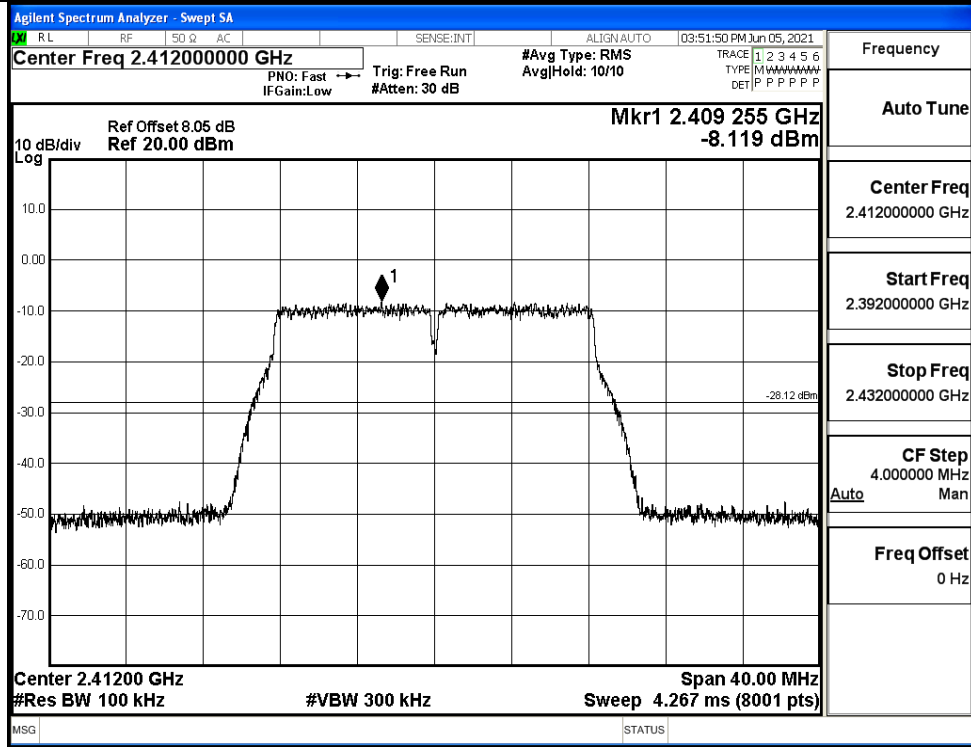


Puw/11B/HCH

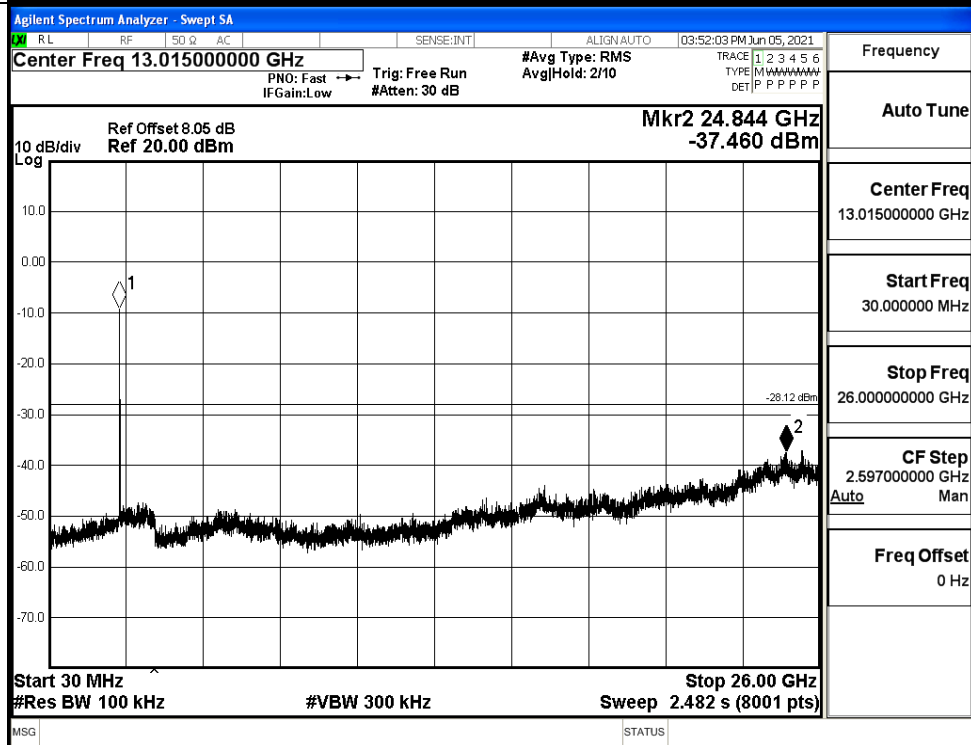


11G\_LCH\_Graphs

Pref/11G/LCH

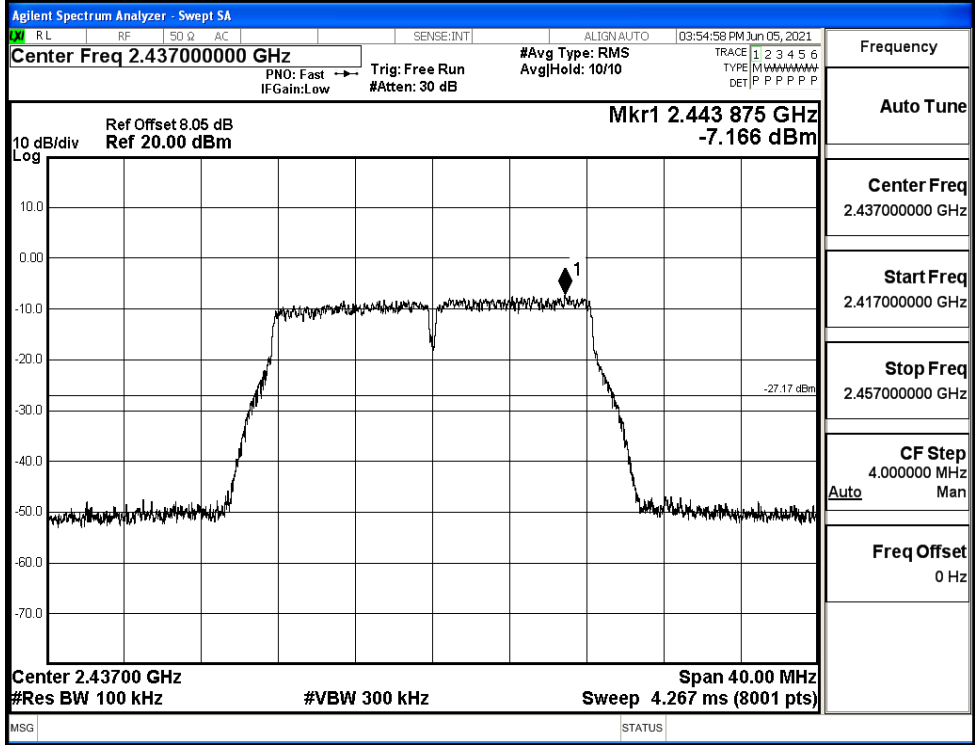


Puw/11G/LCH

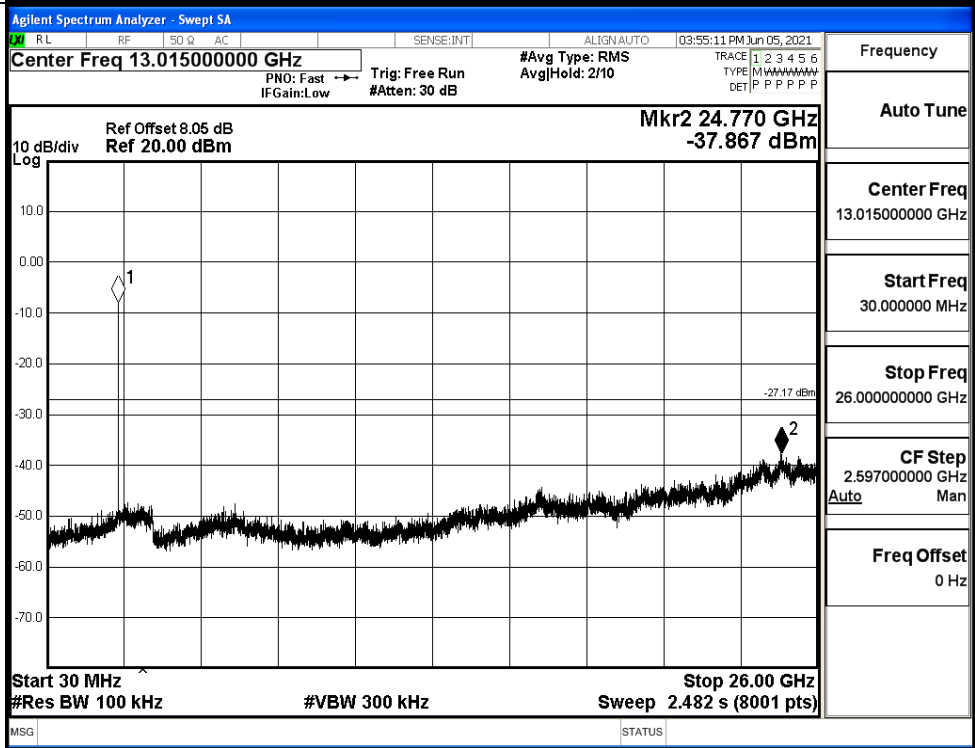


11G\_MCH\_Graphs

Pref/11G/MCH

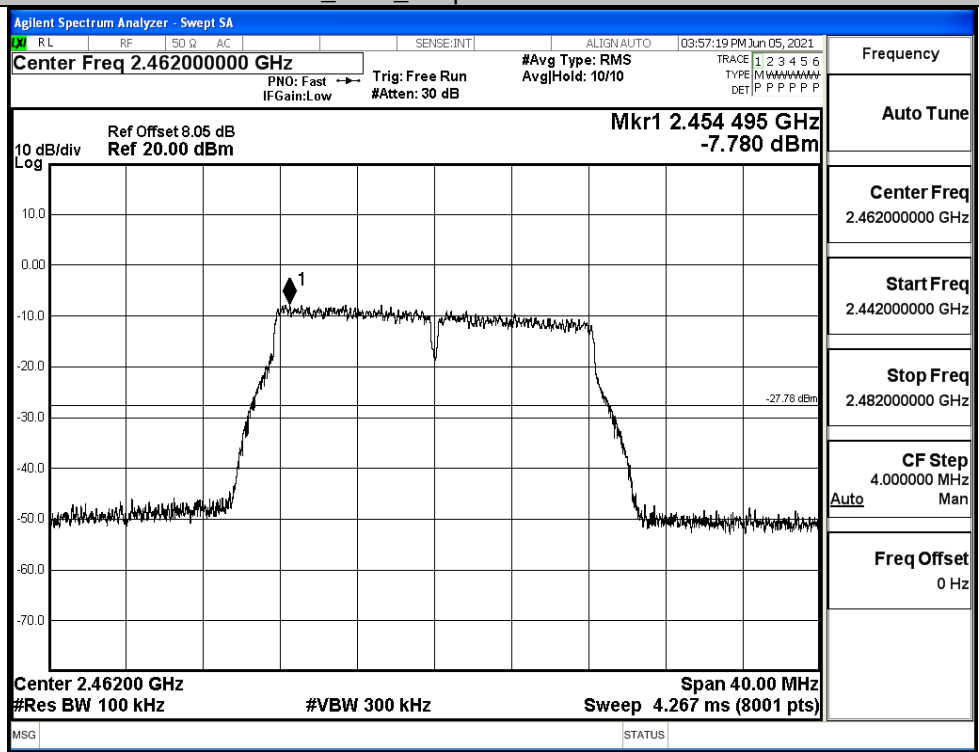


Puw/11G/MCH

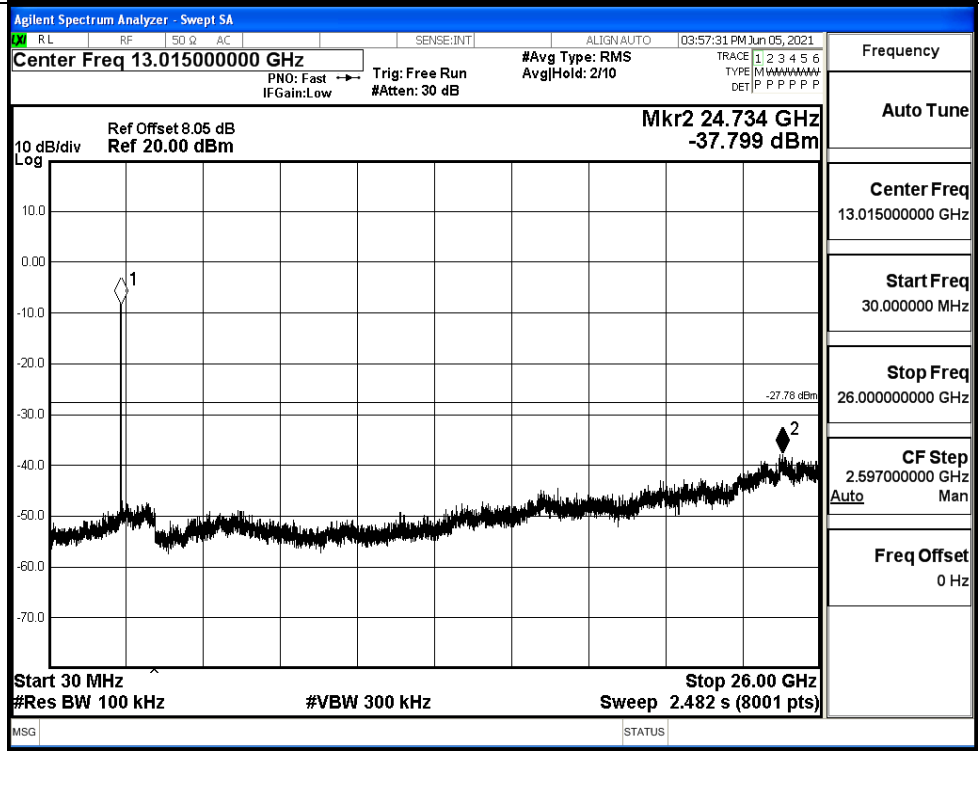


11G\_HCH\_Graphs

Pref/11G/HCH

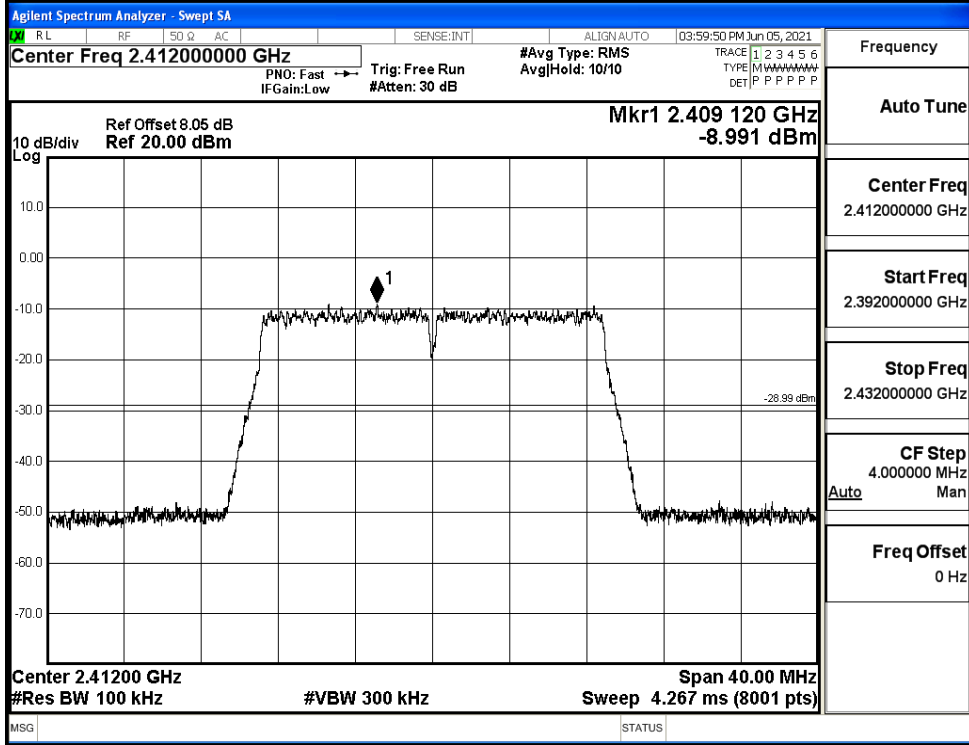


Puw/11G/HCH

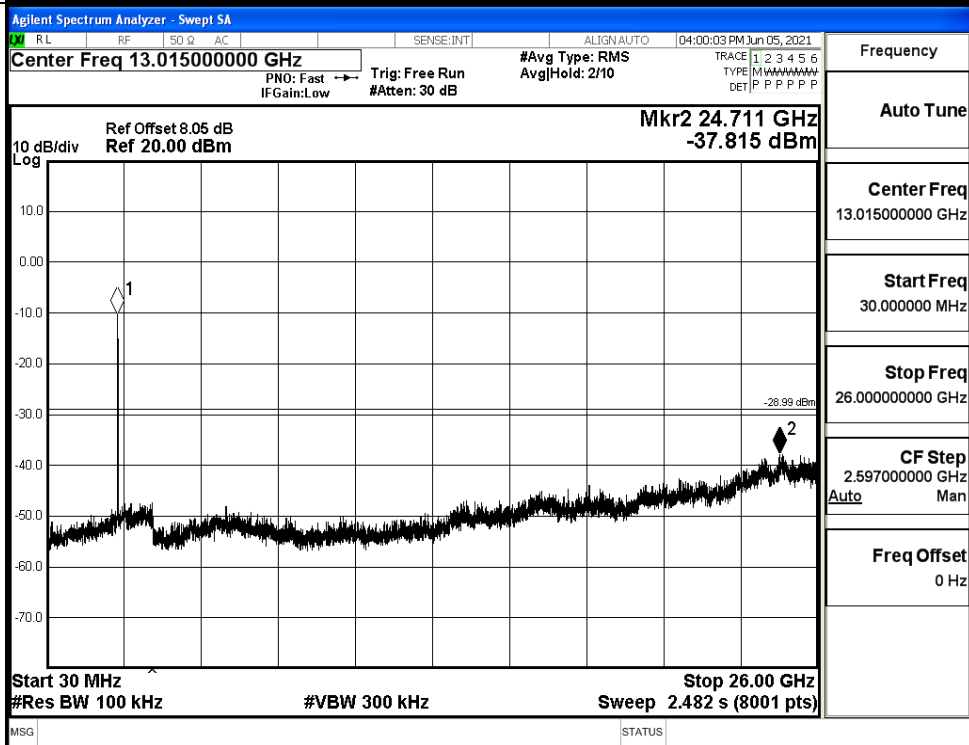


11N20SISO\_LCH\_Graphs

Pref/11N20SIS  
O/LCH



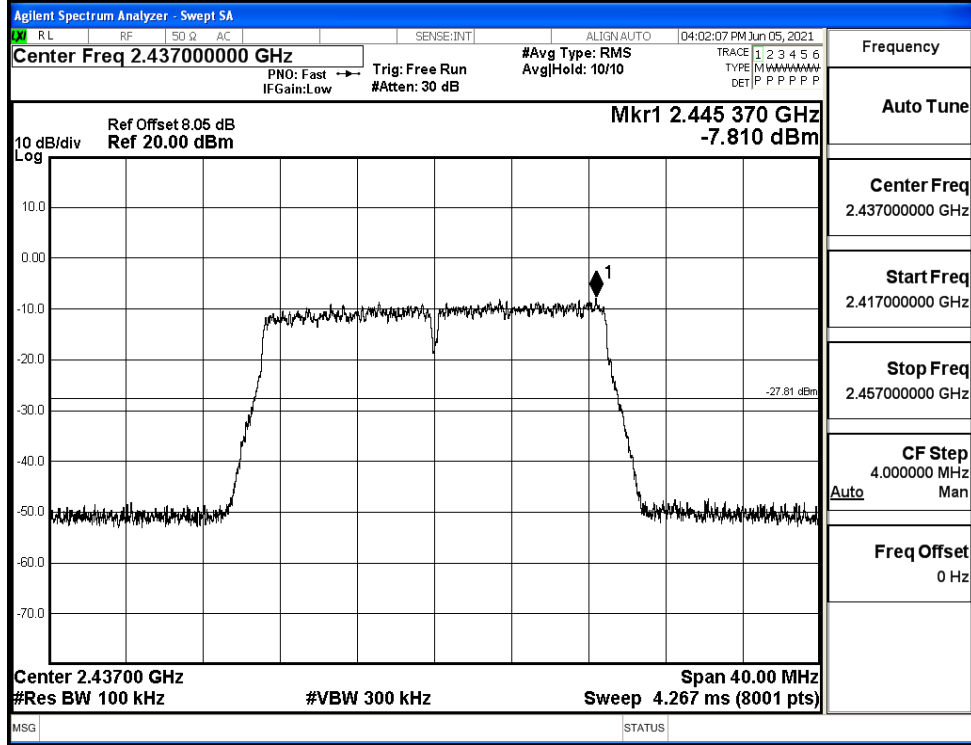
Puw/11N20  
SISO/LCH



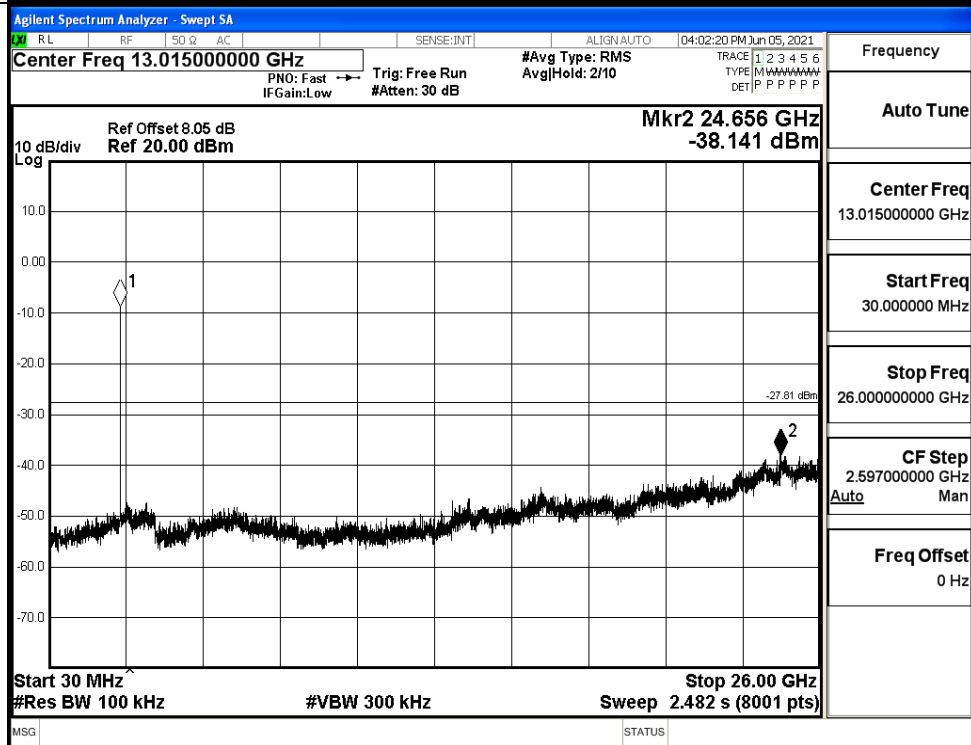


11N20SISO\_MCH\_Graphs

Pref/11N20  
SISO/MCH

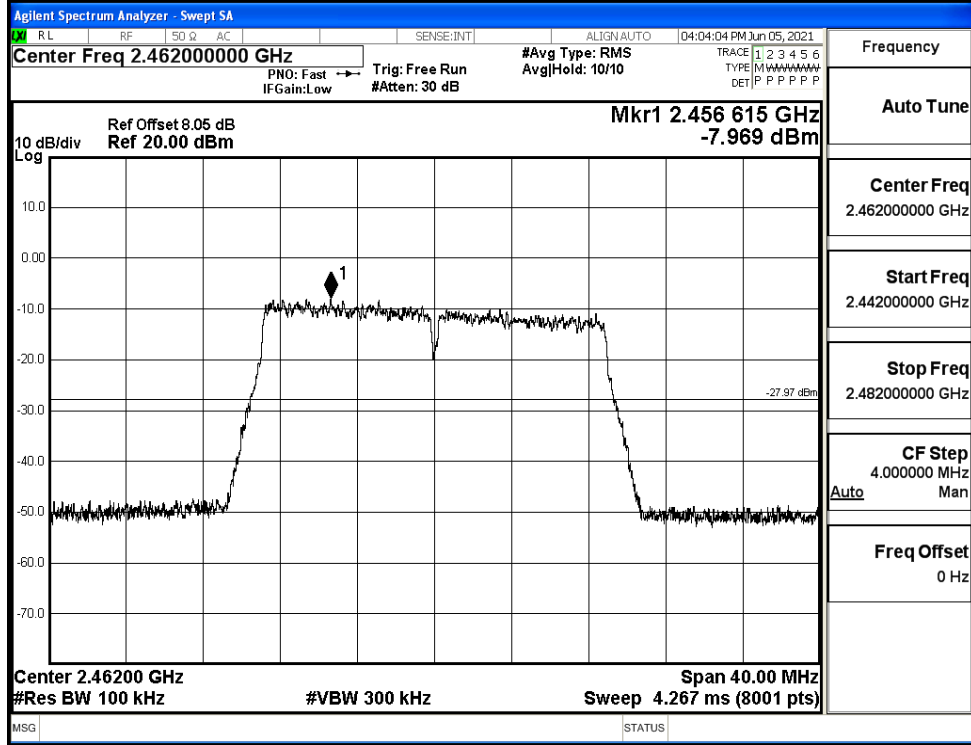


Puw/11N20  
SISO/MCH

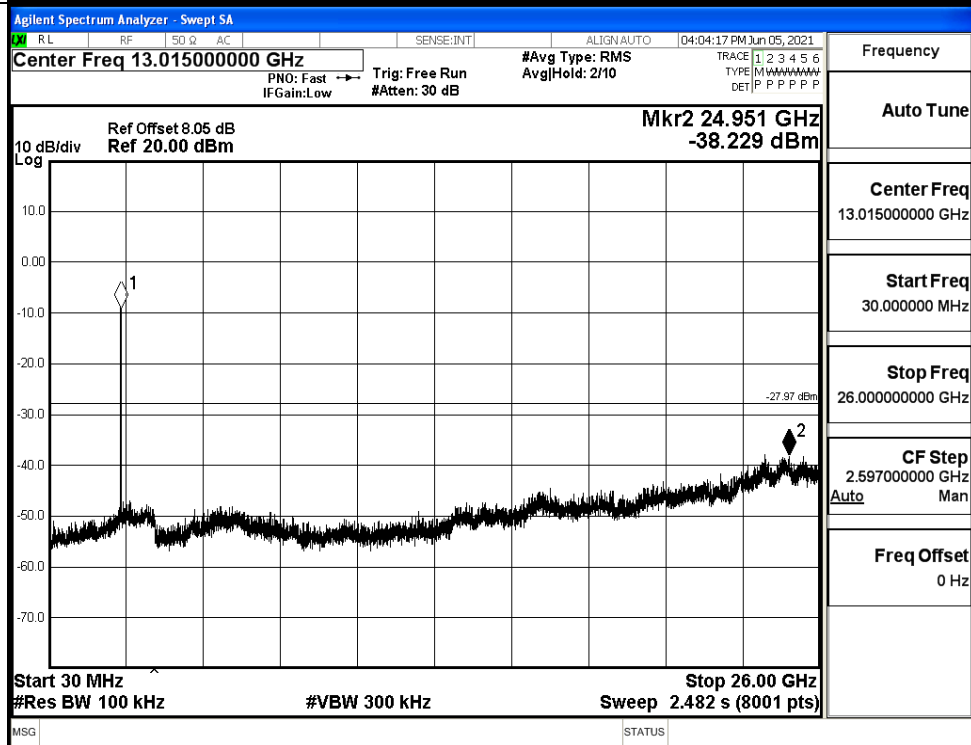


11N20SISO\_HCH\_Graphs

Pref/11N20  
SISO/HCH

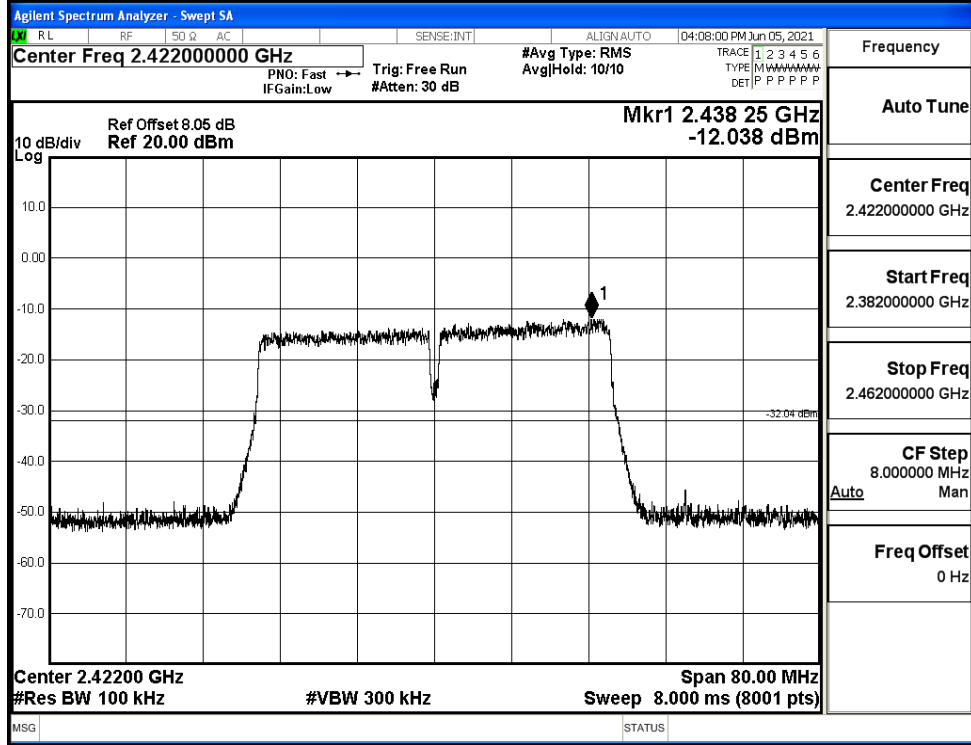


Puw/11N20  
SISO/HCH

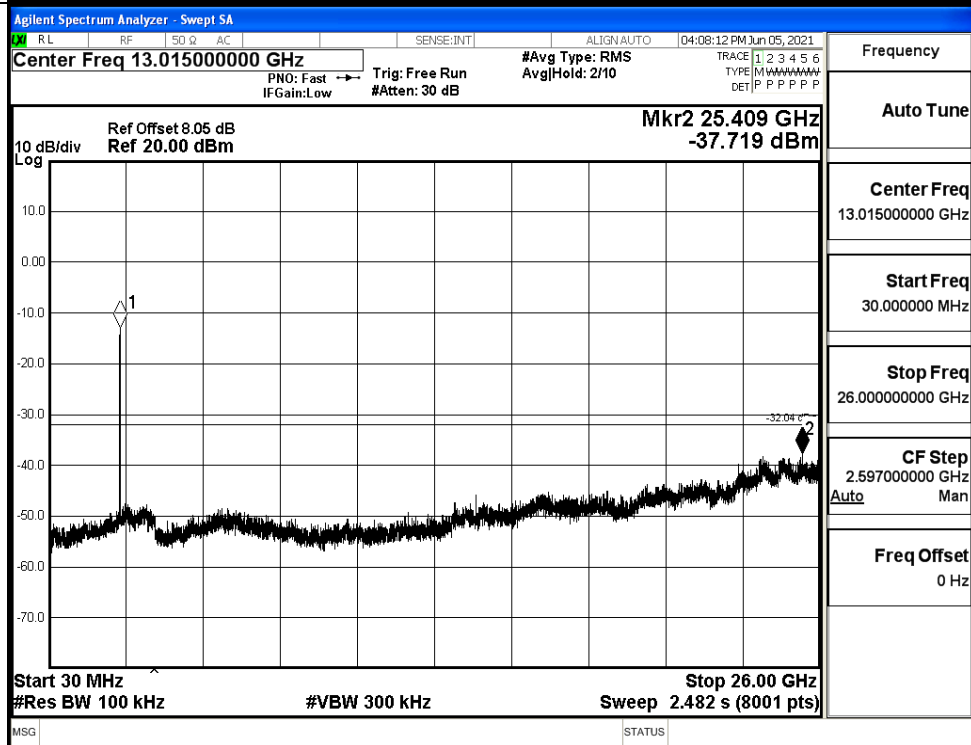


11N40SISO\_LCH\_Graphs

Pref/11N40  
SISO/LCH

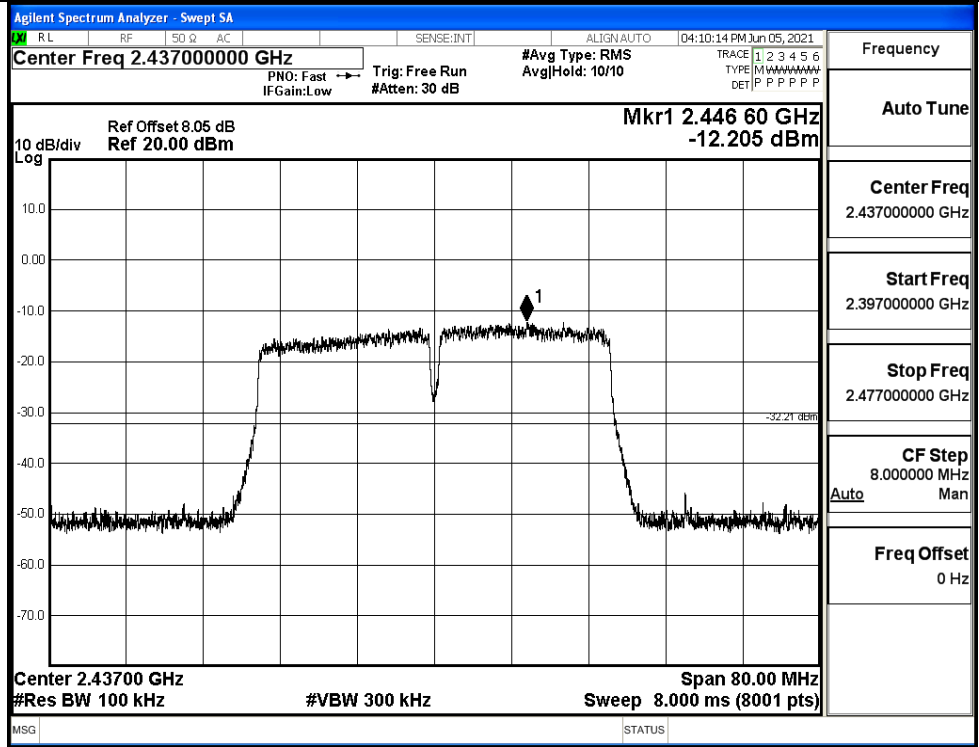


Puw/11N40  
SISO/LCH

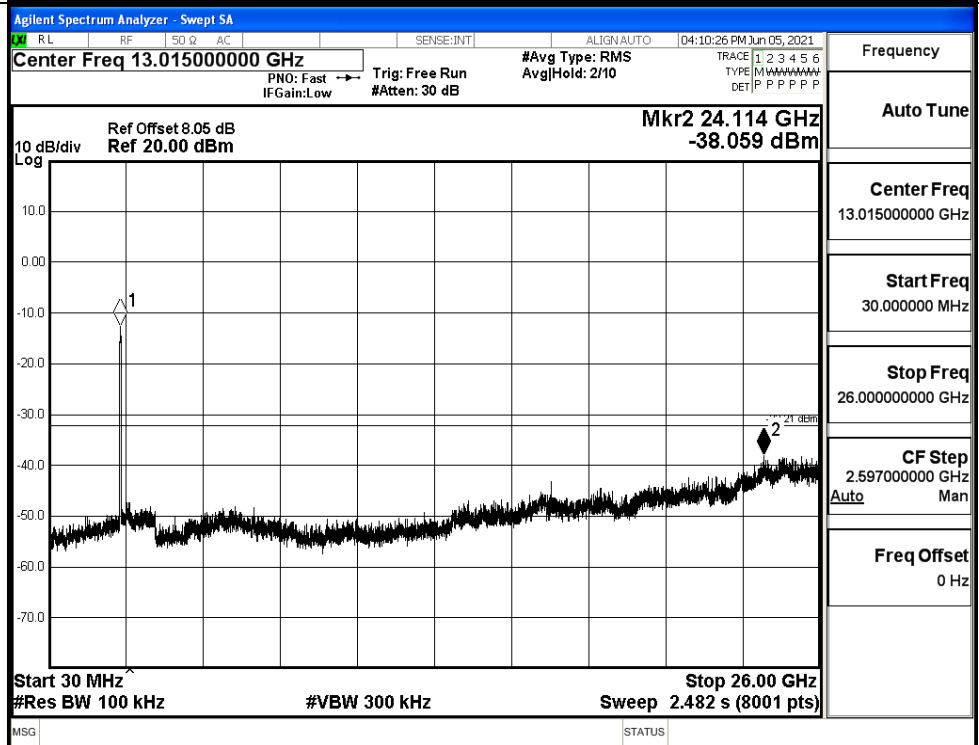


11N40SISO\_MCH\_Graphs

Pref/11N40  
SISO/MCH

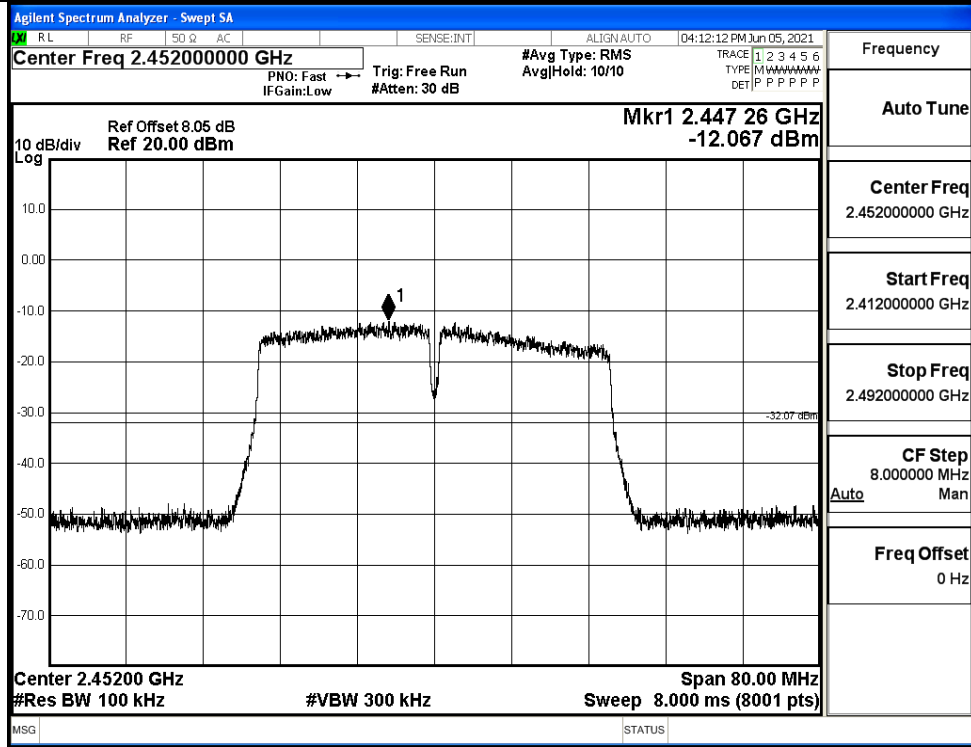


Puw/11N40  
SISO/MCH

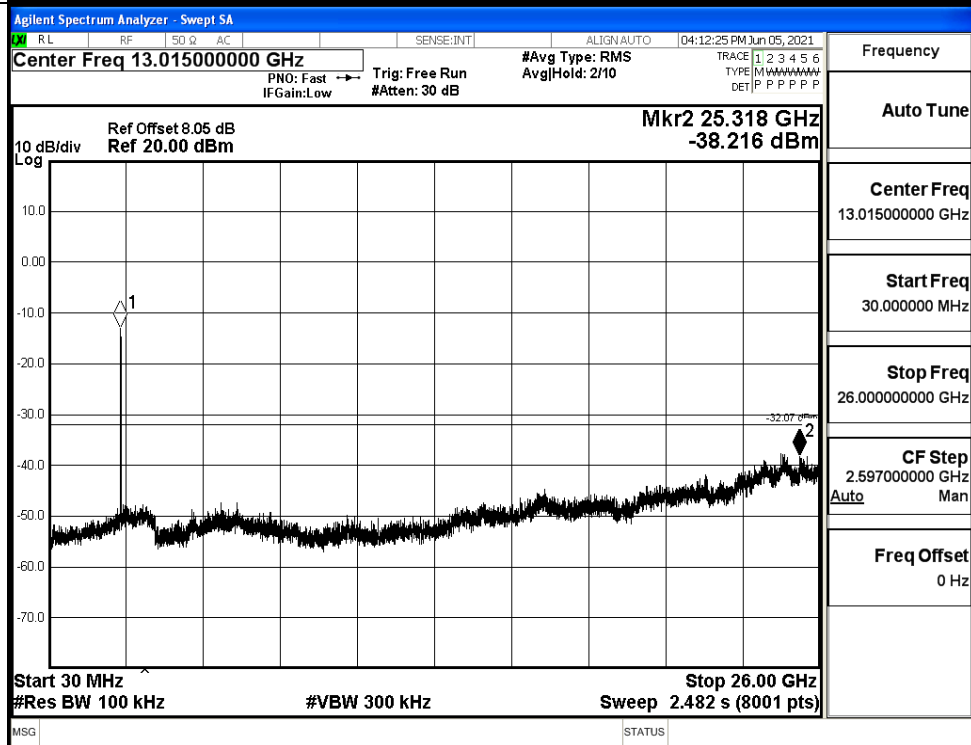


11N40SISO\_HCH\_Graphs

Pref/11N40  
SISO/HCH

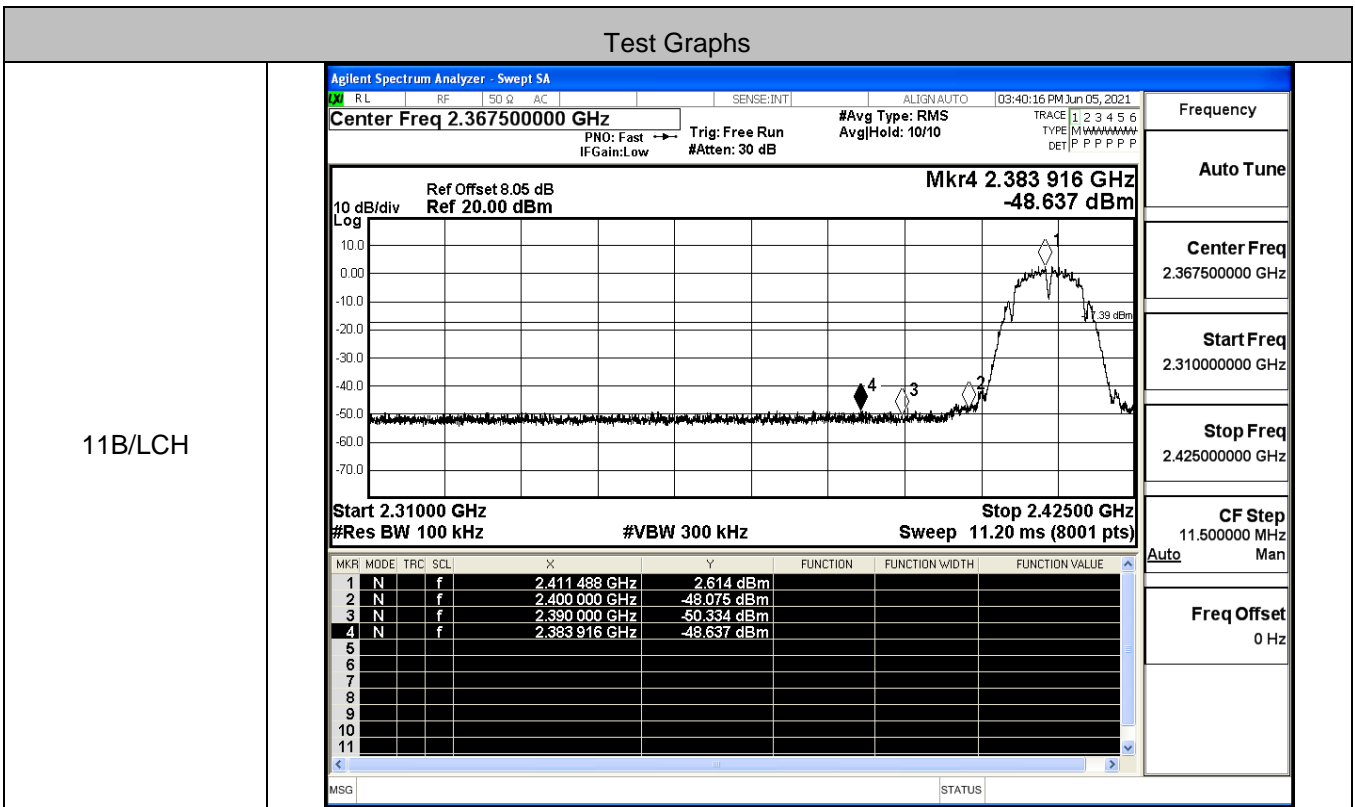


Puw/11N40  
SISO/HCH

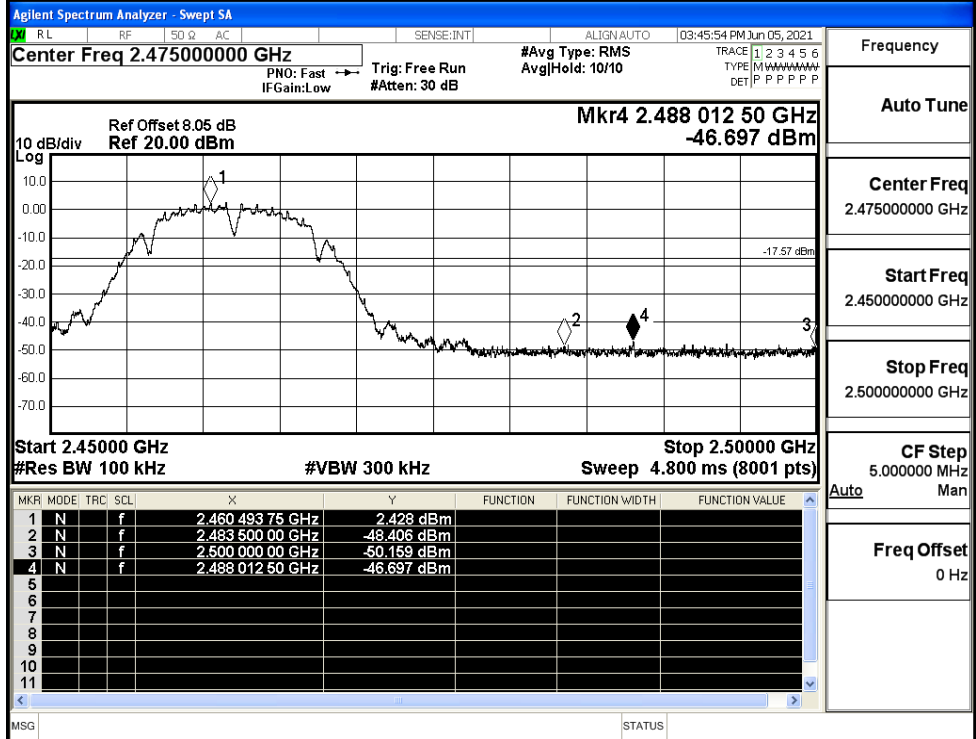


### B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.614	-48.637	-17.39	PASS
	HCH	2.428	-46.697	-17.57	PASS
11G	LCH	-8.088	-47.549	-28.09	PASS
	HCH	-7.760	-45.453	-27.76	PASS
11N20SISO	LCH	-9.068	-48.500	-29.07	PASS
	HCH	-8.003	-45.823	-28	PASS
11N40SISO	LCH	-11.940	-48.810	-31.94	PASS
	HCH	-12.206	-47.843	-32.21	PASS

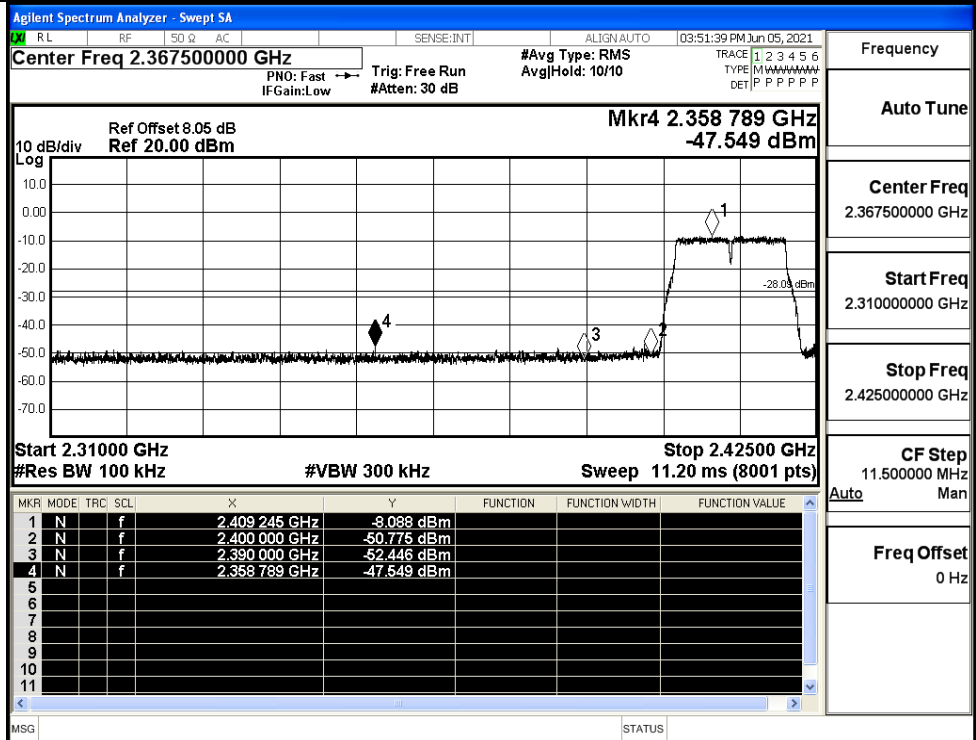


11B/HCH



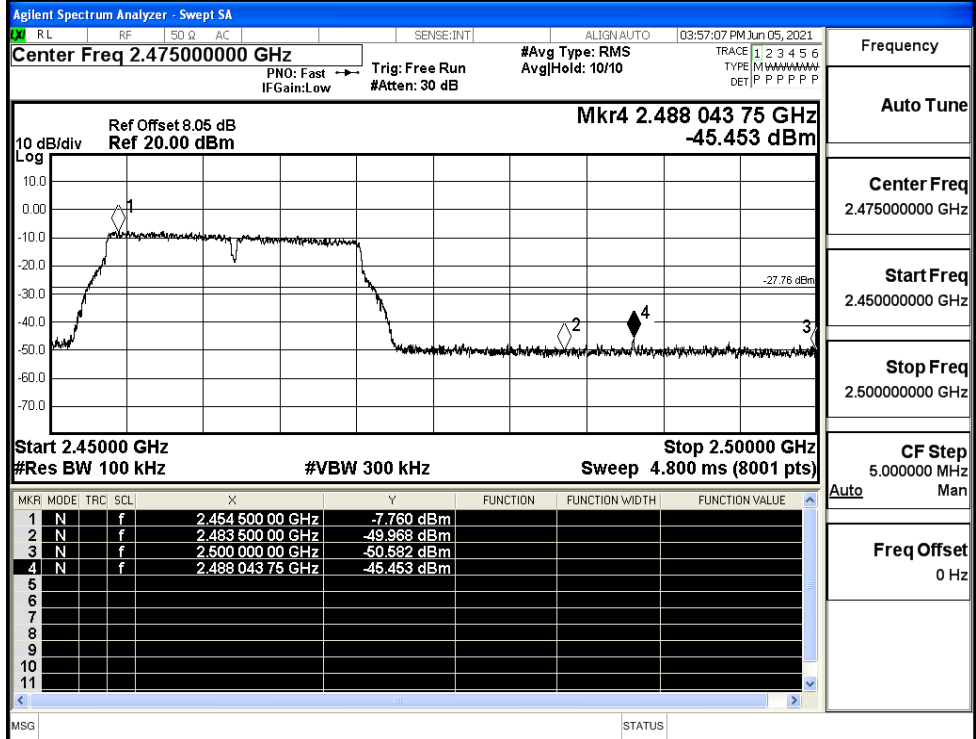
Frequency	
Auto Tune	
Center Freq	2.47500000 GHz
Start Freq	2.45000000 GHz
Stop Freq	2.50000000 GHz
CF Step	5.000000 MHz
Freq Offset	0 Hz

11G/LCH



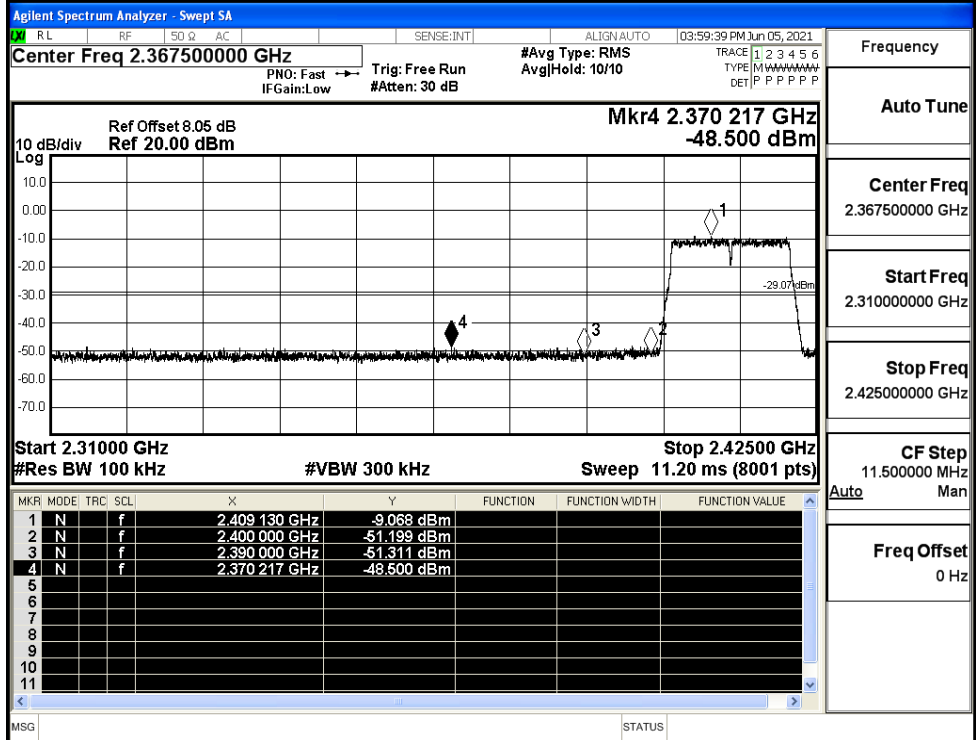
Frequency	
Auto Tune	
Center Freq	2.36750000 GHz
Start Freq	2.31000000 GHz
Stop Freq	2.42500000 GHz
CF Step	11.500000 MHz
Freq Offset	0 Hz

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

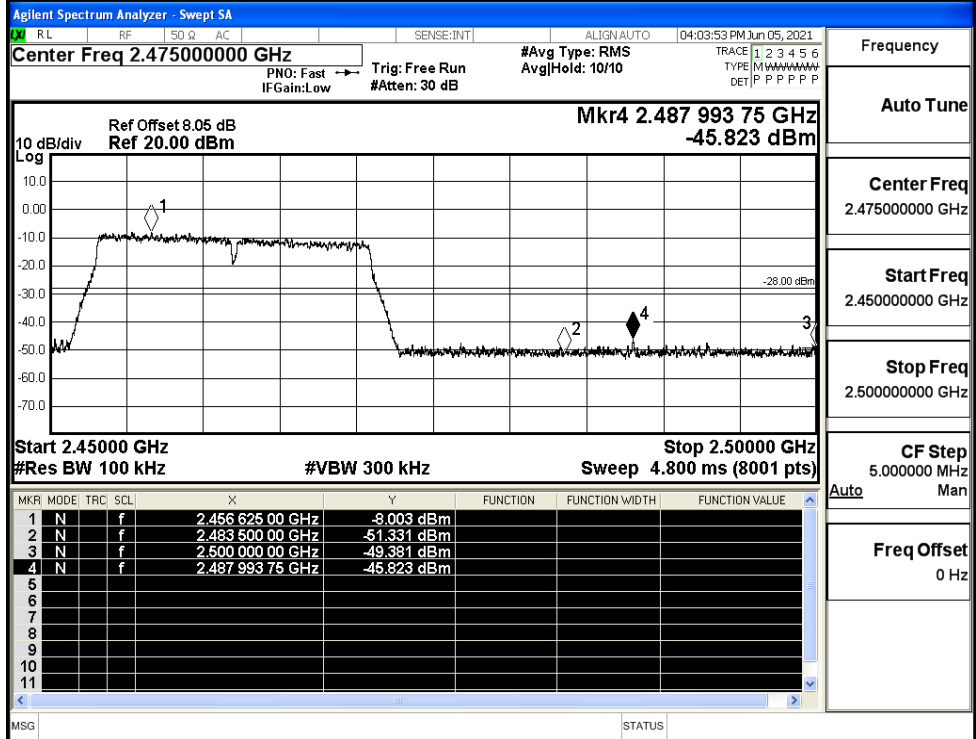
11N20SISO/LCH



Frequency	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

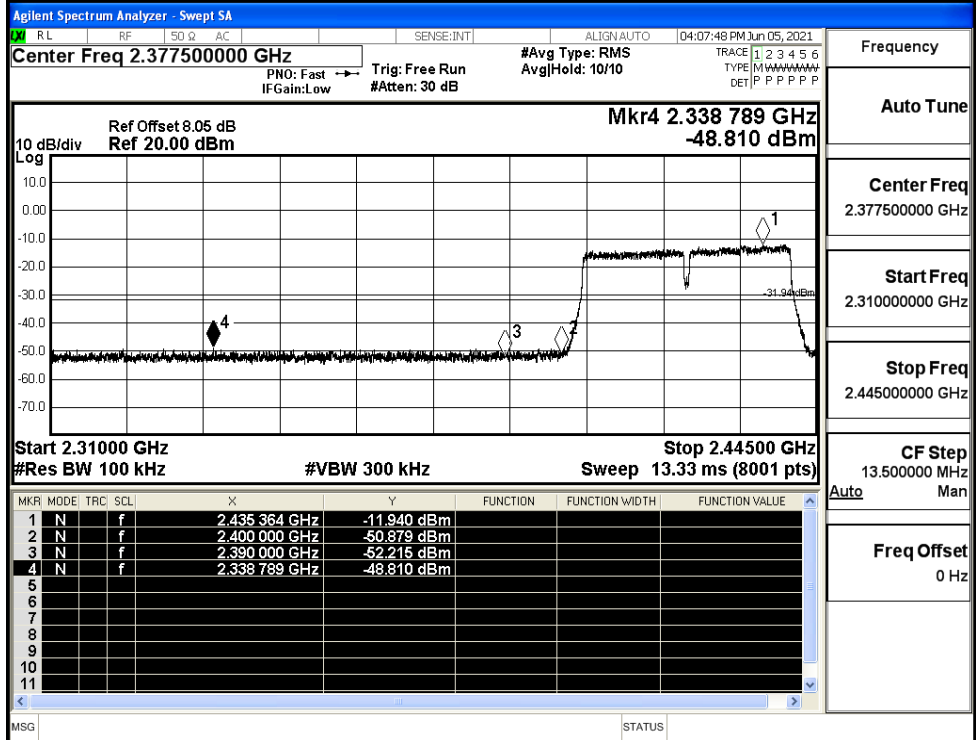


11N20SISO/HCH



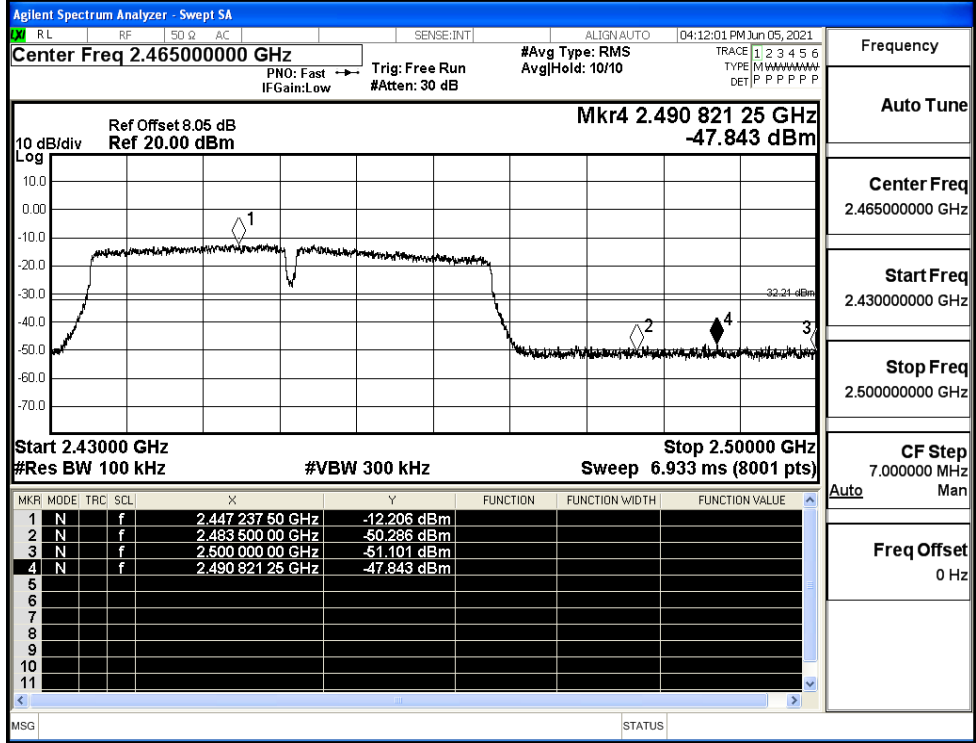
Frequency	2.47500000 GHz
Auto Tune	
Center Freq	2.47500000 GHz
Start Freq	2.45000000 GHz
Stop Freq	2.50000000 GHz
CF Step	5.000000 MHz
Freq Offset	0 Hz

11N40SISO/LCH



Frequency	2.37750000 GHz
Auto Tune	
Center Freq	2.37750000 GHz
Start Freq	2.31000000 GHz
Stop Freq	2.44500000 GHz
CF Step	13.500000 MHz
Freq Offset	0 Hz

11N40SISO/HCH



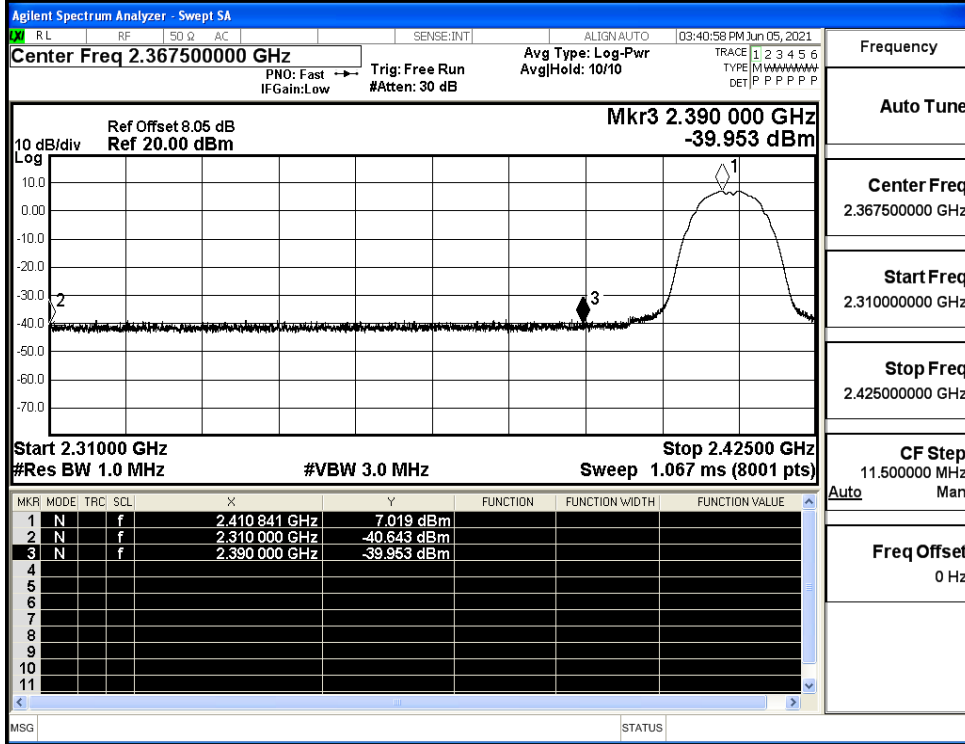
Frequency
Auto Tune
Center Freq 2.465000000 GHz
Start Freq 2.430000000 GHz
Stop Freq 2.500000000 GHz
CF Step 7.000000 MHz Auto Man
Freq Offset 0 Hz

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

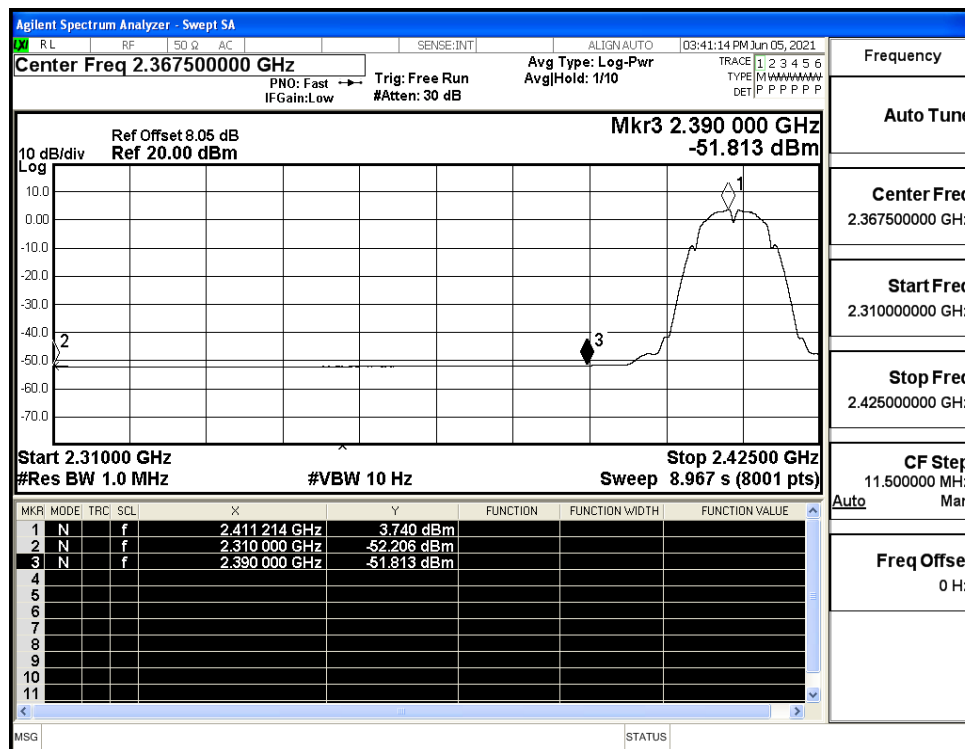
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
11B	2412	Ant1	2310.0	-40.64	2.0	0	56.59	PEAK	74	PASS
	2412	Ant1	2310.0	-52.21	2.0	0	45.02	AV	54	PASS
	2412	Ant1	2390.0	-39.95	2.0	0	57.28	PEAK	74	PASS
	2412	Ant1	2390.0	-51.81	2.0	0	45.42	AV	54	PASS
	2462	Ant1	2483.5	-40.30	2.0	0	56.93	PEAK	74	PASS
	2462	Ant1	2483.5	-50.90	2.0	0	46.33	AV	54	PASS
	2462	Ant1	2500.0	-40.48	2.0	0	56.75	PEAK	74	PASS
	2462	Ant1	2500.0	-51.20	2.0	0	46.03	AV	54	PASS
11G	2412	Ant1	2310.0	-41.97	2.0	0	55.26	PEAK	74	PASS
	2412	Ant1	2310.0	-52.15	2.0	0	45.08	AV	54	PASS
	2412	Ant1	2390.0	-41.95	2.0	0	55.28	PEAK	74	PASS
	2412	Ant1	2390.0	-51.75	2.0	0	45.48	AV	54	PASS
	2462	Ant1	2483.5	-41.16	2.0	0	56.07	PEAK	74	PASS
	2462	Ant1	2483.5	-50.94	2.0	0	46.29	AV	54	PASS
	2462	Ant1	2500.0	-40.17	2.0	0	57.06	PEAK	74	PASS
	2462	Ant1	2500.0	-51.20	2.0	0	46.03	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-40.99	2.0	0	56.24	PEAK	74	PASS
	2412	Ant1	2310.0	-52.12	2.0	0	45.11	AV	54	PASS
	2412	Ant1	2390.0	-41.91	2.0	0	55.32	PEAK	74	PASS
	2412	Ant1	2390.0	-51.77	2.0	0	45.46	AV	54	PASS
	2462	Ant1	2483.5	-41.18	2.0	0	56.05	PEAK	74	PASS
	2462	Ant1	2483.5	-51.10	2.0	0	46.13	AV	54	PASS
	2462	Ant1	2500.0	-41.26	2.0	0	55.97	PEAK	74	PASS
	2462	Ant1	2500.0	-51.30	2.0	0	45.93	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-40.92	2.0	0	56.31	PEAK	74	PASS
	2422	Ant1	2310.0	-52.28	2.0	0	44.95	AV	54	PASS

	2422	Ant1	2390.0	-40.27	2.0	0	56.96	PEAK	74	PASS
	2422	Ant1	2390.0	-51.89	2.0	0	45.34	AV	54	PASS
	2452	Ant1	2483.5	-41.05	2.0	0	56.18	PEAK	74	PASS
	2452	Ant1	2483.5	-51.34	2.0	0	45.89	AV	54	PASS
	2452	Ant1	2500.0	-40.80	2.0	0	56.43	PEAK	74	PASS
	2452	Ant1	2500.0	-51.30	2.0	0	45.93	AV	54	PASS

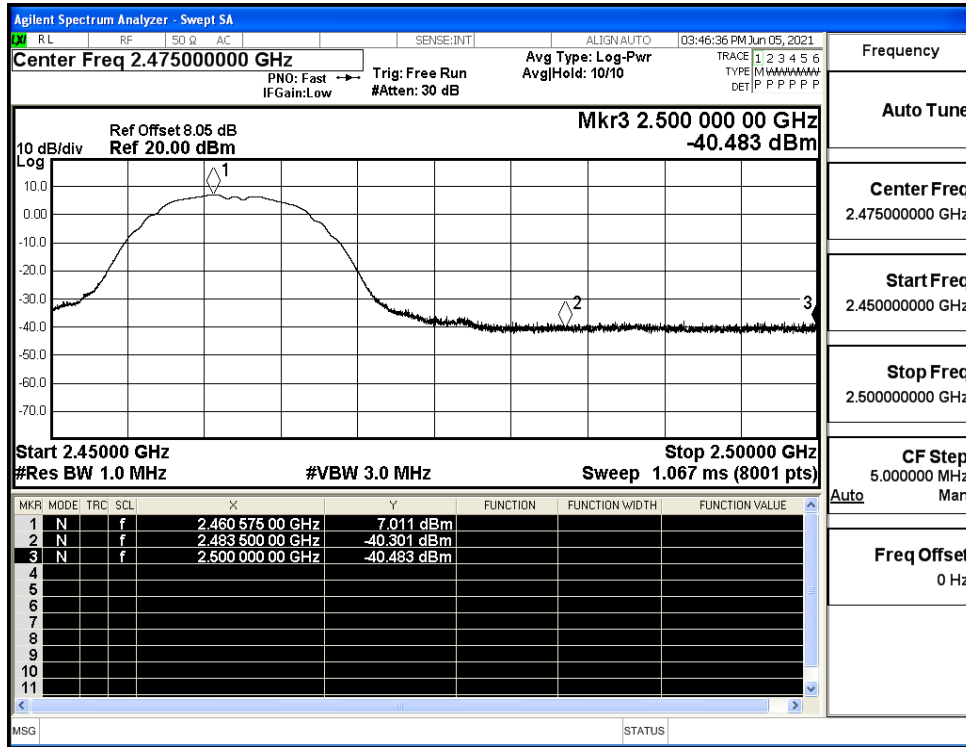
Restrict-band band-edge measurements\_11B\_2412\_Ant1\_PEAK



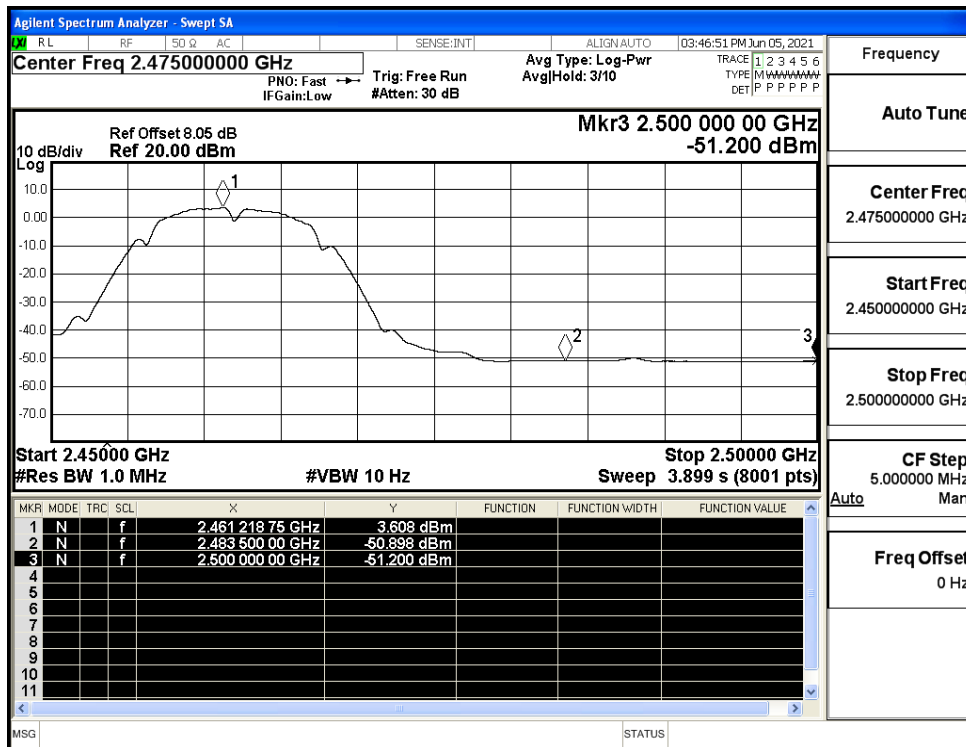
Restrict-band band-edge measurements\_11B\_2412\_Ant1\_AV



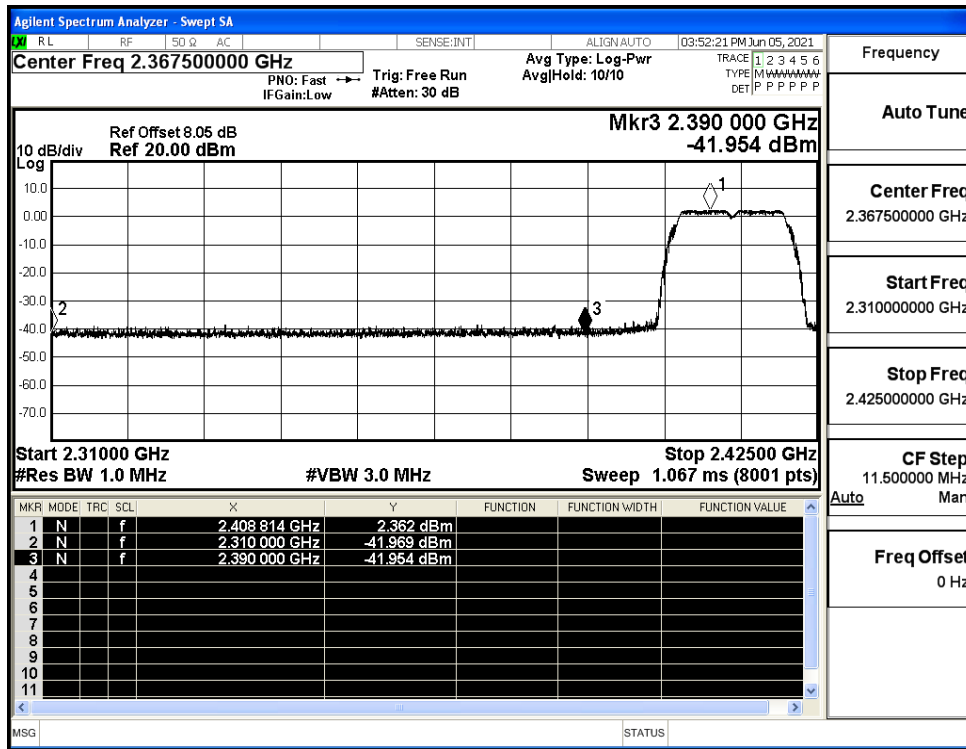
Restrict-band band-edge measurements\_11B\_2462\_Ant1\_PEAK



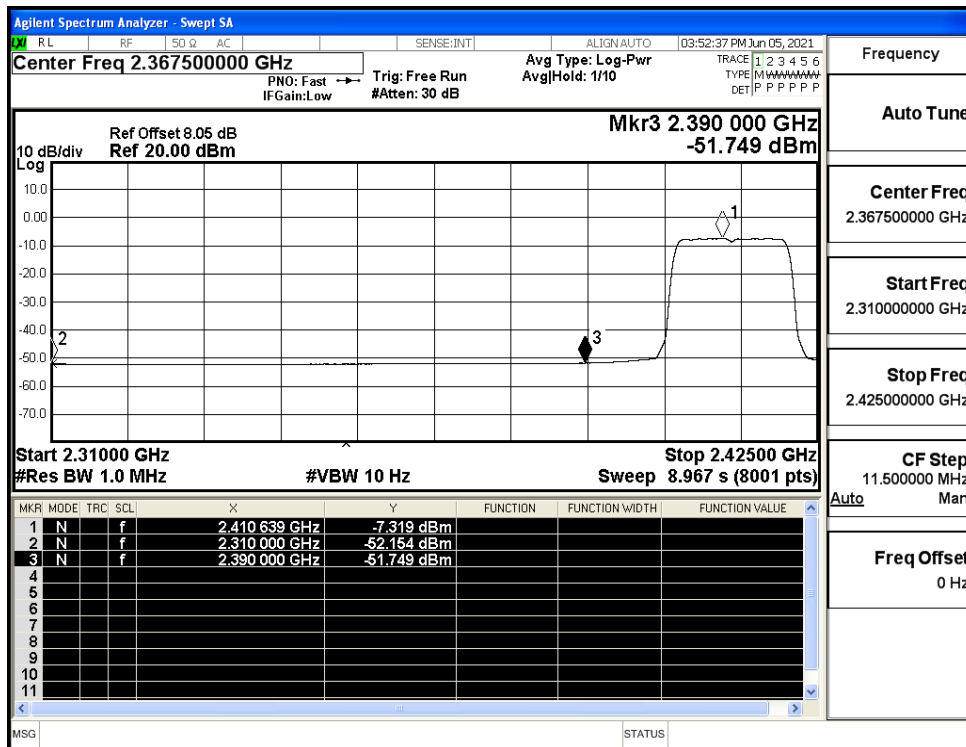
Restrict-band band-edge measurements\_11B\_2462\_Ant1\_AV



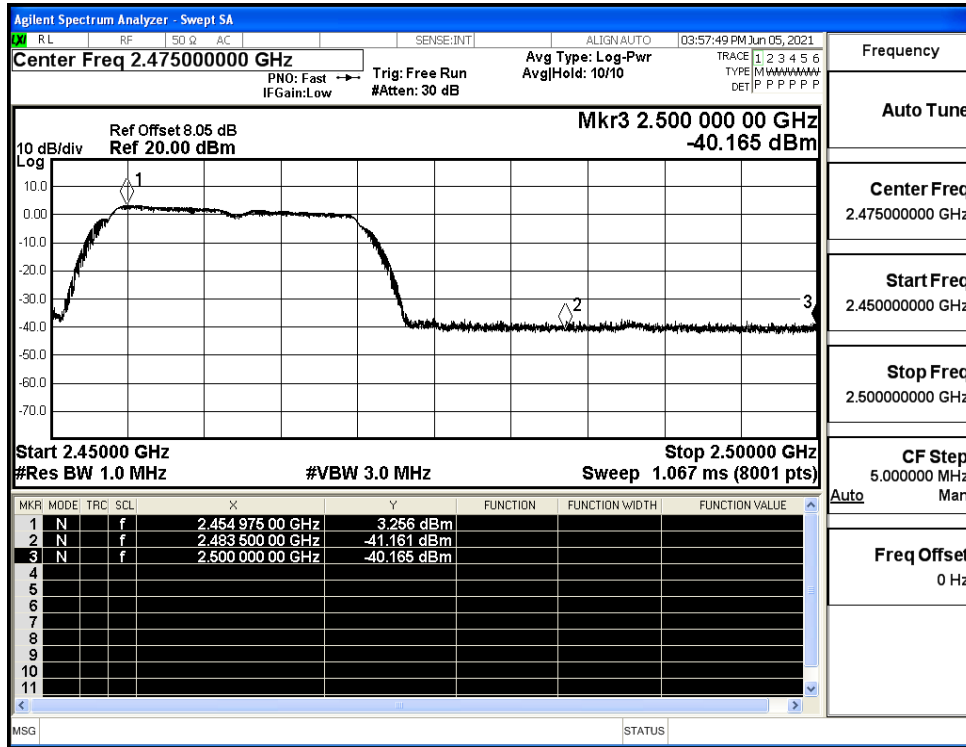
Restrict-band band-edge measurements\_11G\_2412\_Ant1\_PEAK



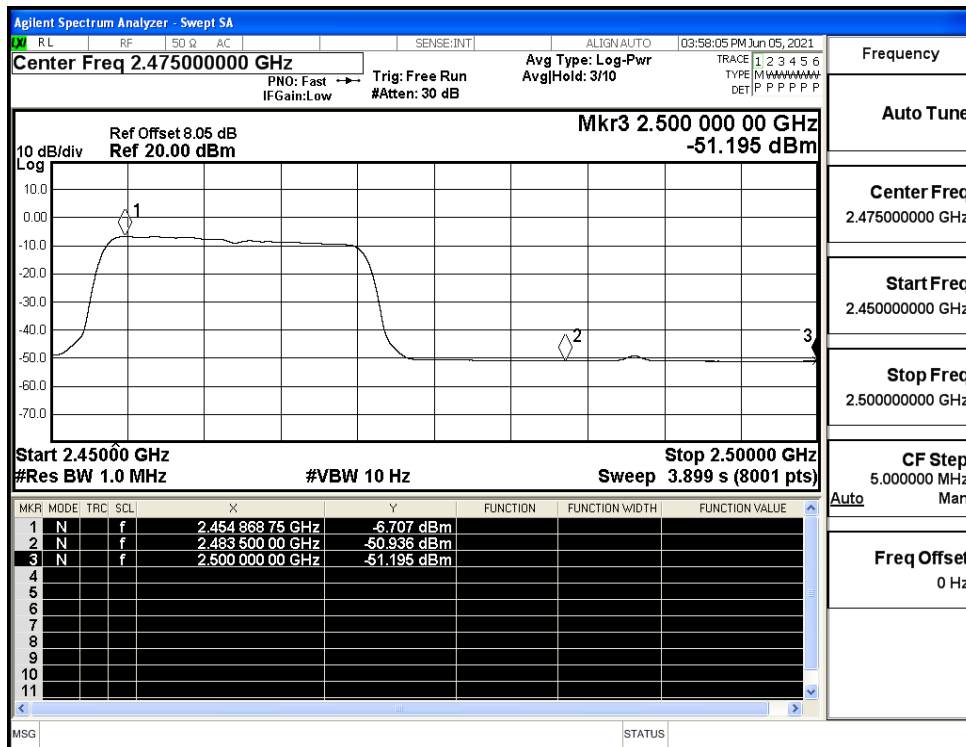
Restrict-band band-edge measurements\_11G\_2412\_Ant1\_AV



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

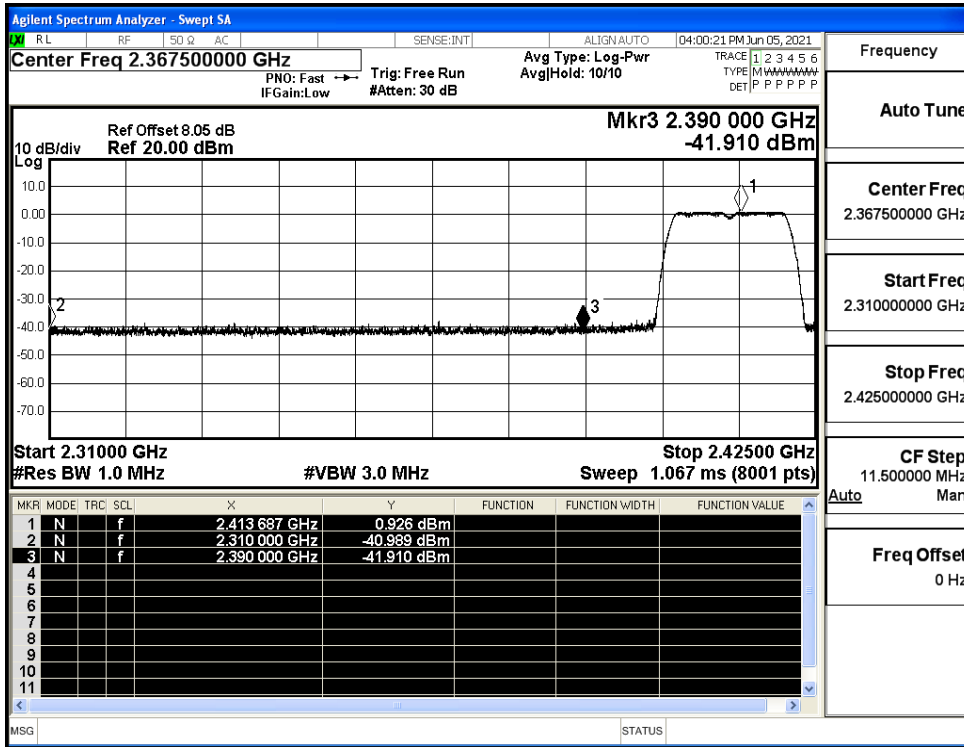


Restrict-band band-edge measurements\_11G\_2462\_Ant1\_AV

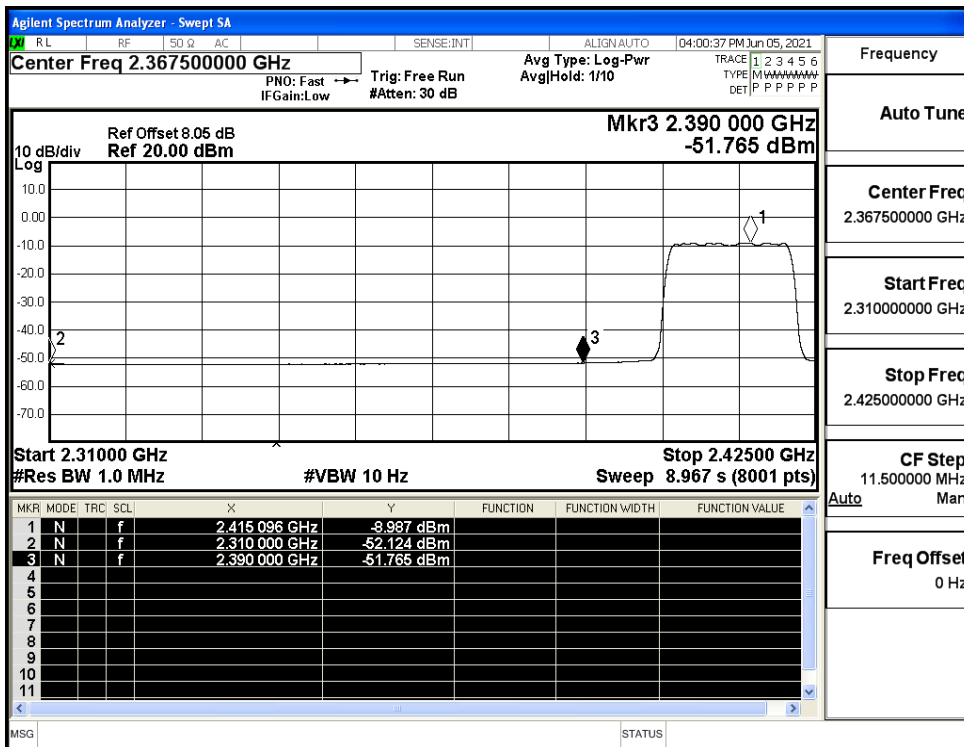




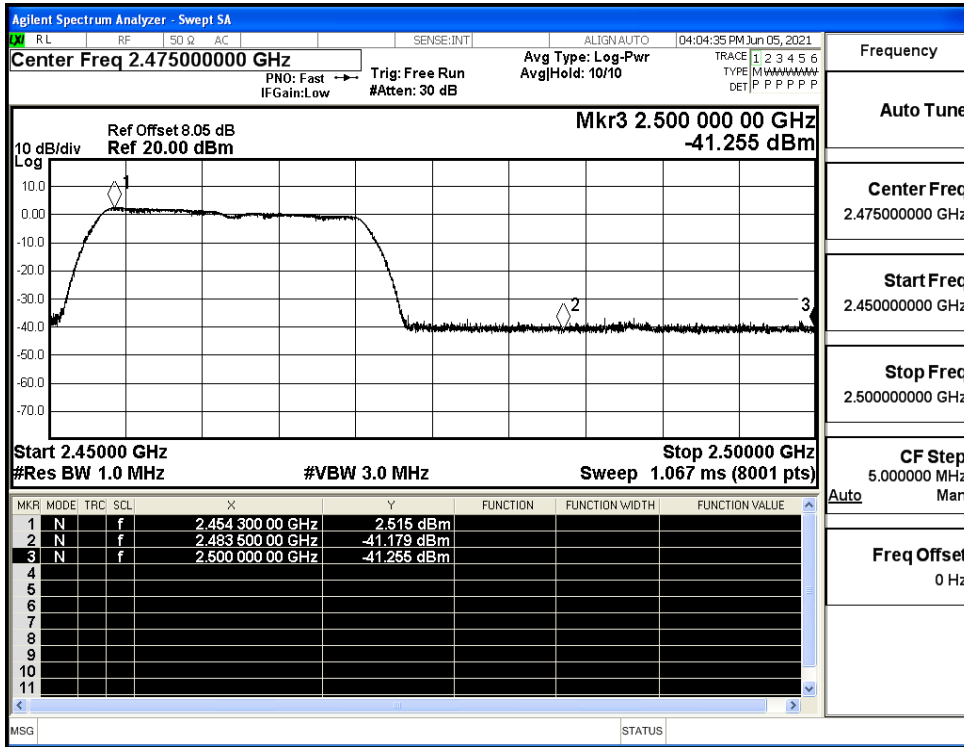
Restrict-band band-edge measurements\_11N20SISO\_2412\_Ant1\_PEAK



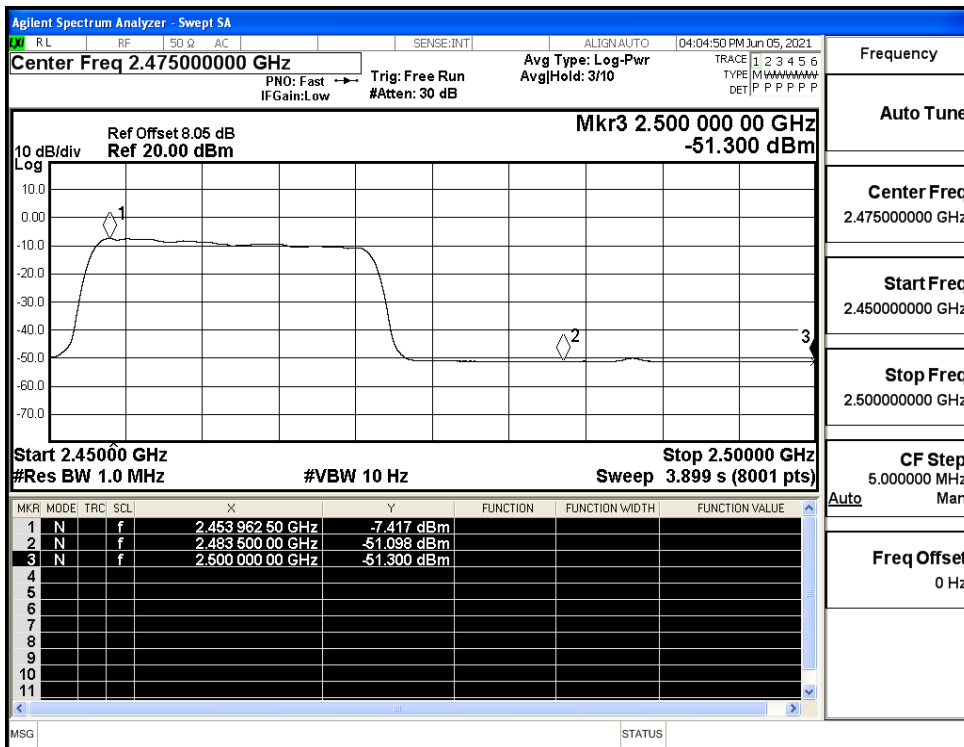
Restrict-band band-edge measurements\_11N20SISO\_2412\_Ant1\_AV



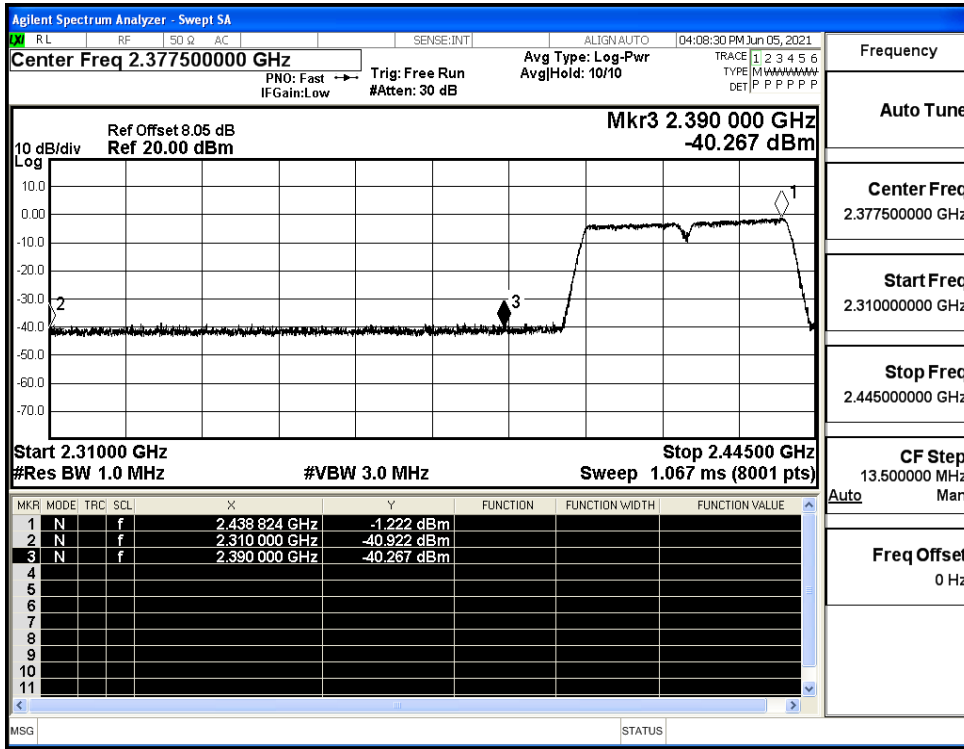
Restrict-band band-edge measurements\_11N20SISO\_2462\_Ant1\_PEAK



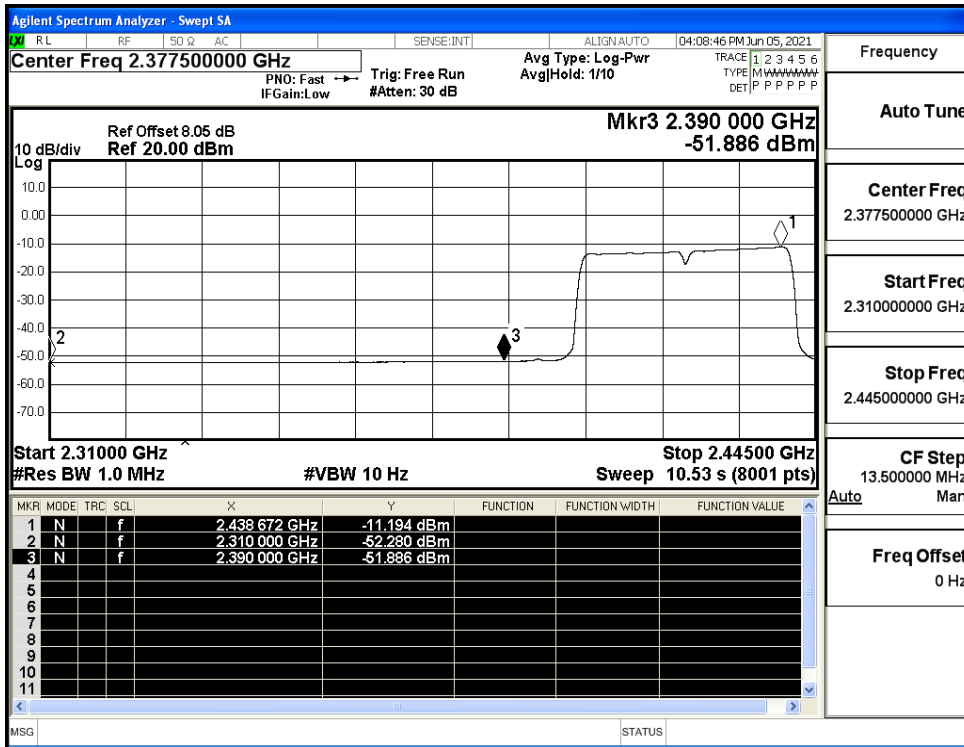
Restrict-band band-edge measurements\_11N20SISO\_2462\_Ant1\_AV



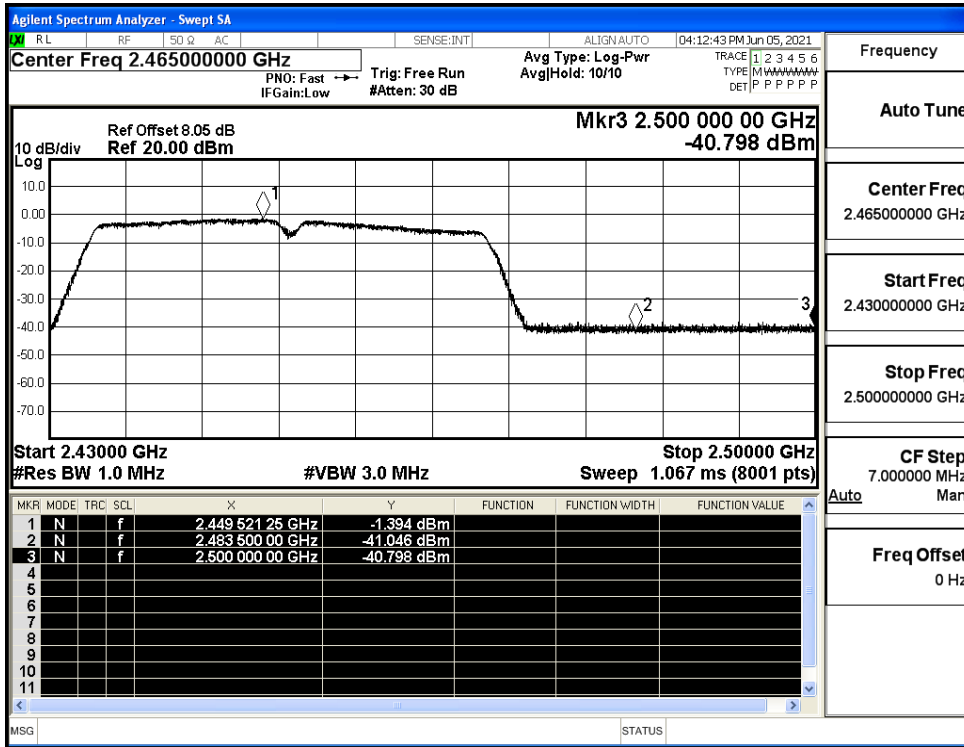
Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_PEAK



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

