

## Appendix A

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

Product Name: 10.1inch Wireless Monitor

Trade Mark: CasaCam

Test Model: VS2100M

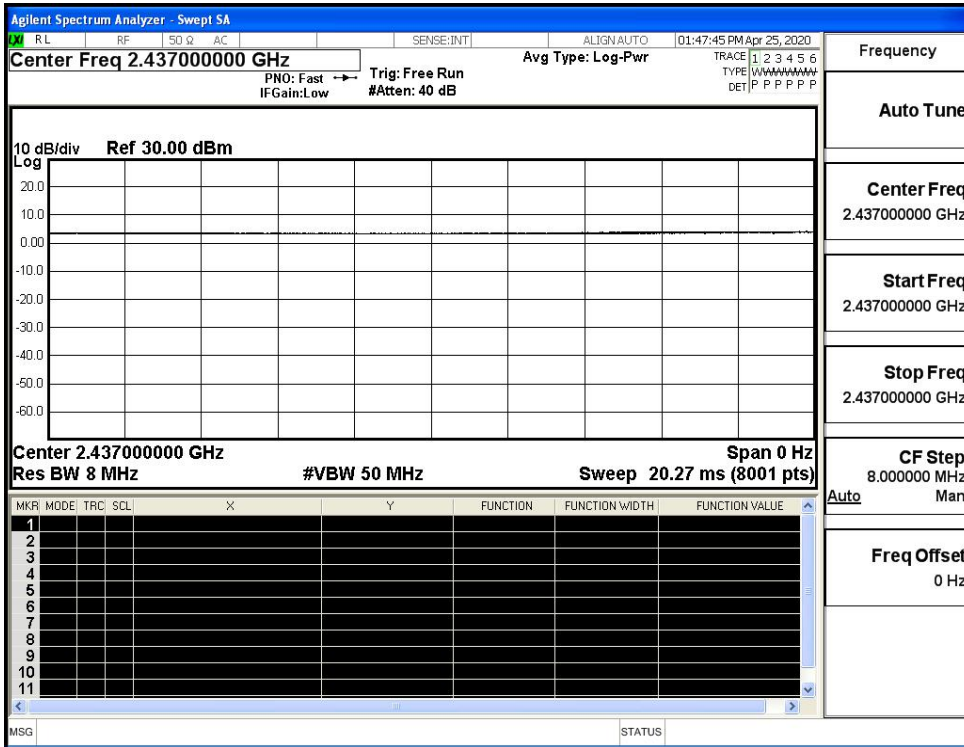
#### Environmental Conditions

Temperature:	23.3 ° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Scout Wu
Supervised by:	Li Huan

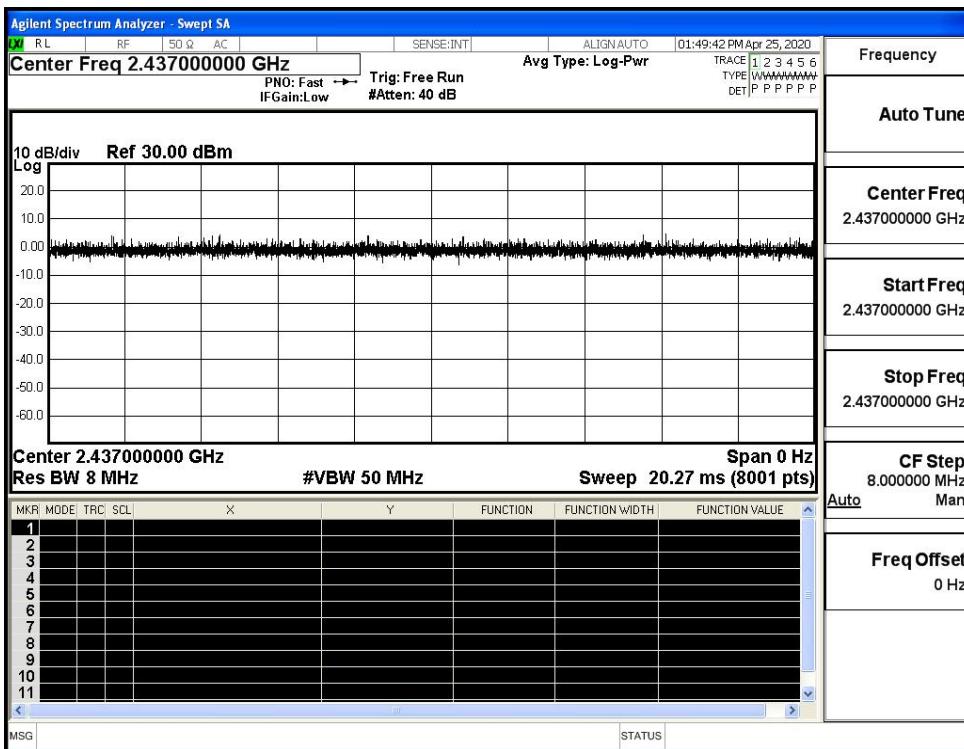
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant_0	100	PASS
11G	2437	Ant_0	100	PASS
11N20	2437	Ant_0	100	PASS
11N40	2437	Ant_0	100	PASS

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant_1	100	PASS
11G	2437	Ant_1	100	PASS
11N20	2437	Ant_1	100	PASS
11N40	2437	Ant_1	100	PASS

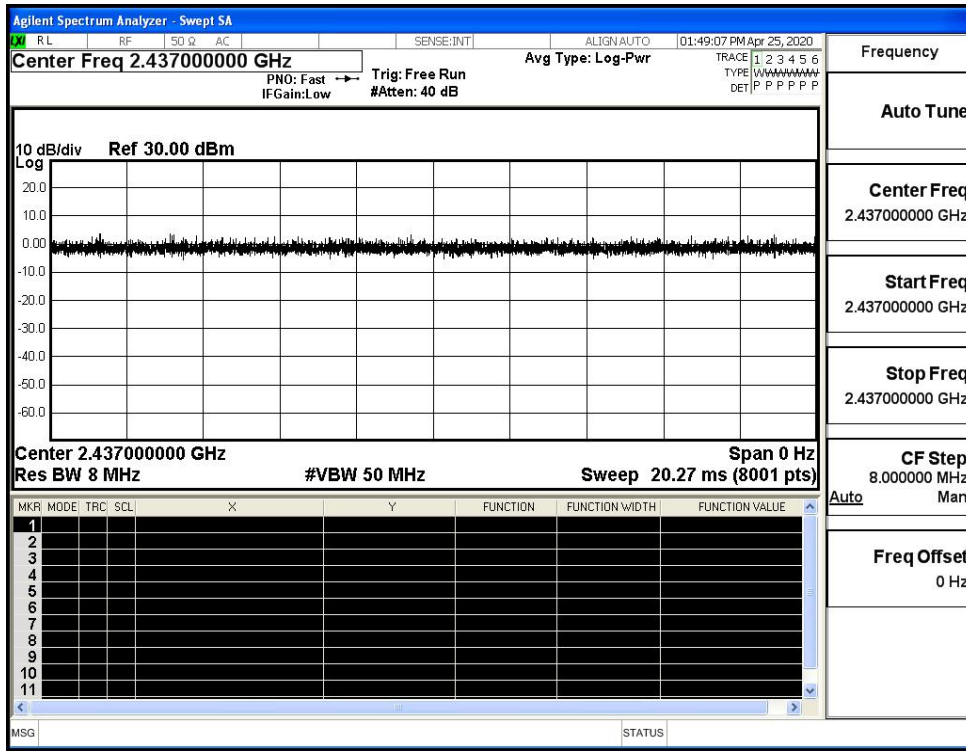
Duty Cycle\_11B\_2437\_Ant\_0



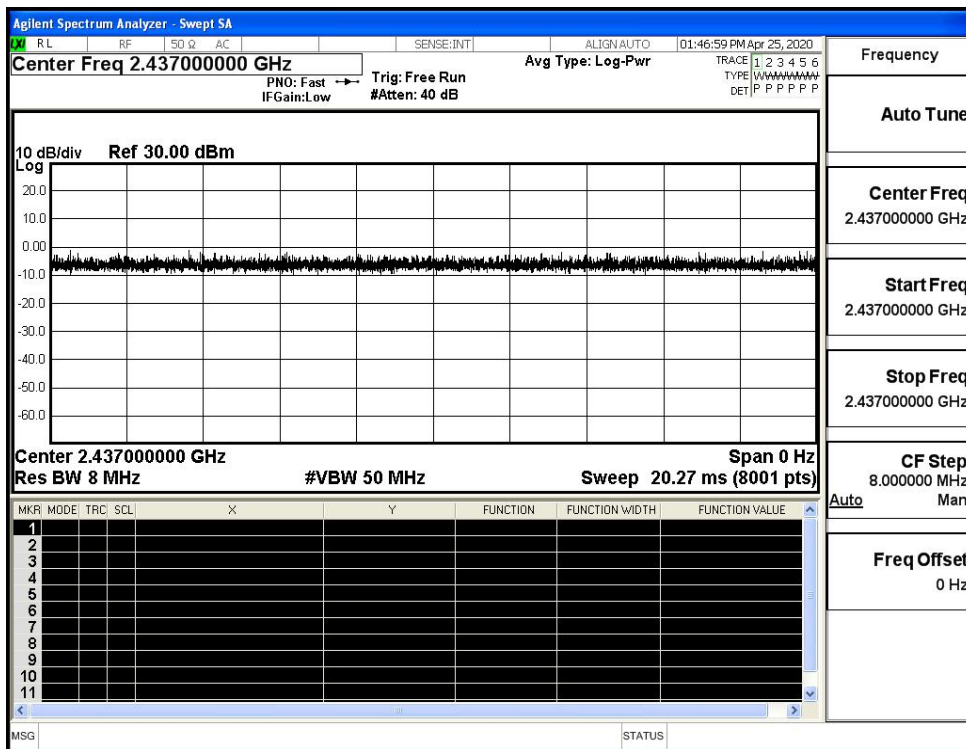
Duty Cycle\_11G\_2437\_Ant\_0



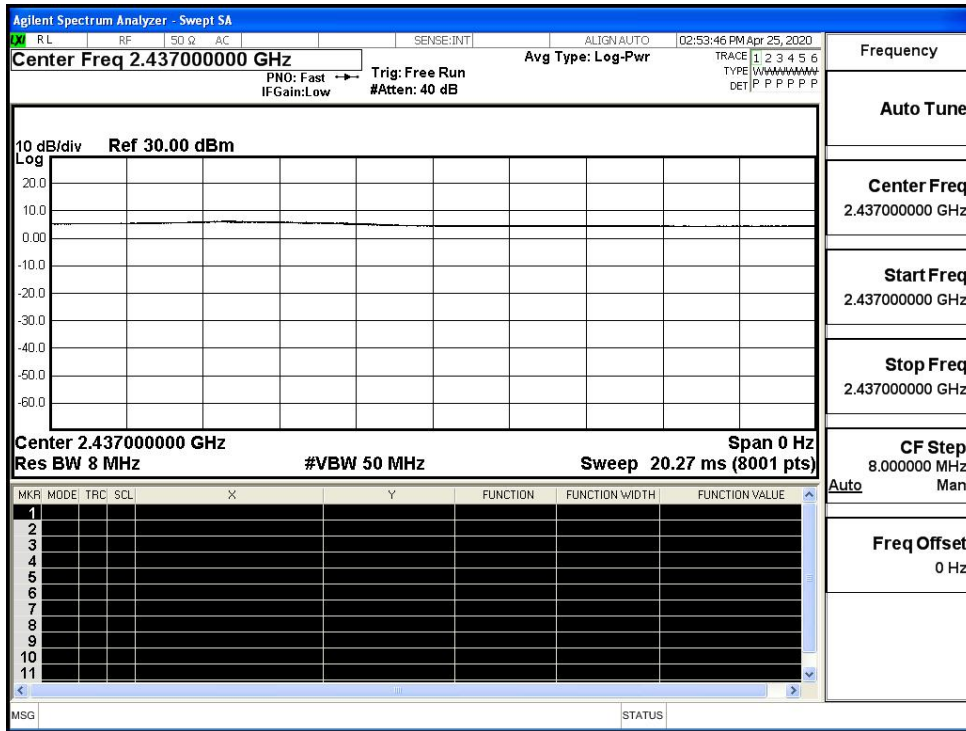
Duty Cycle\_11N20SISO\_2437\_Ant\_0



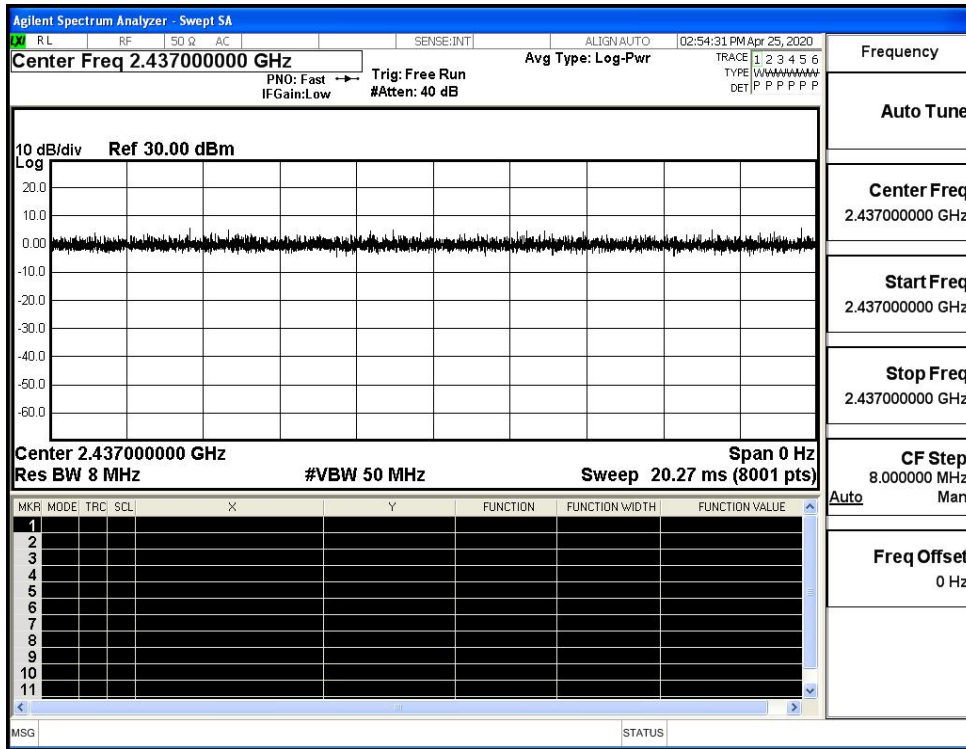
Duty Cycle\_11N40SISO\_2437\_Ant\_0



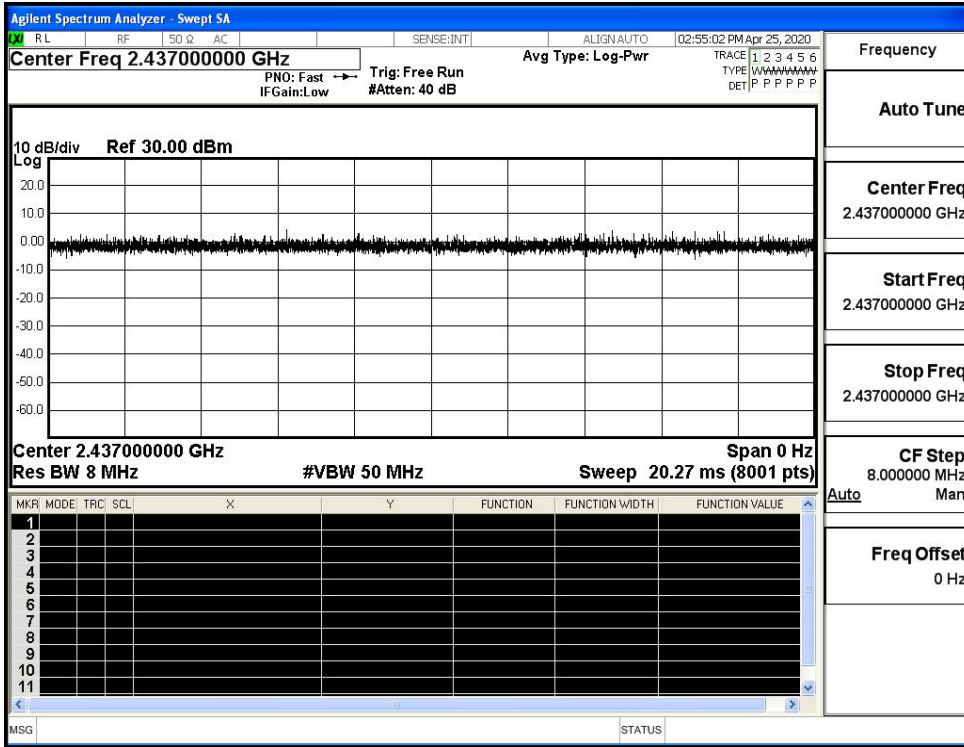
Duty Cycle\_11B\_2437\_Ant\_1



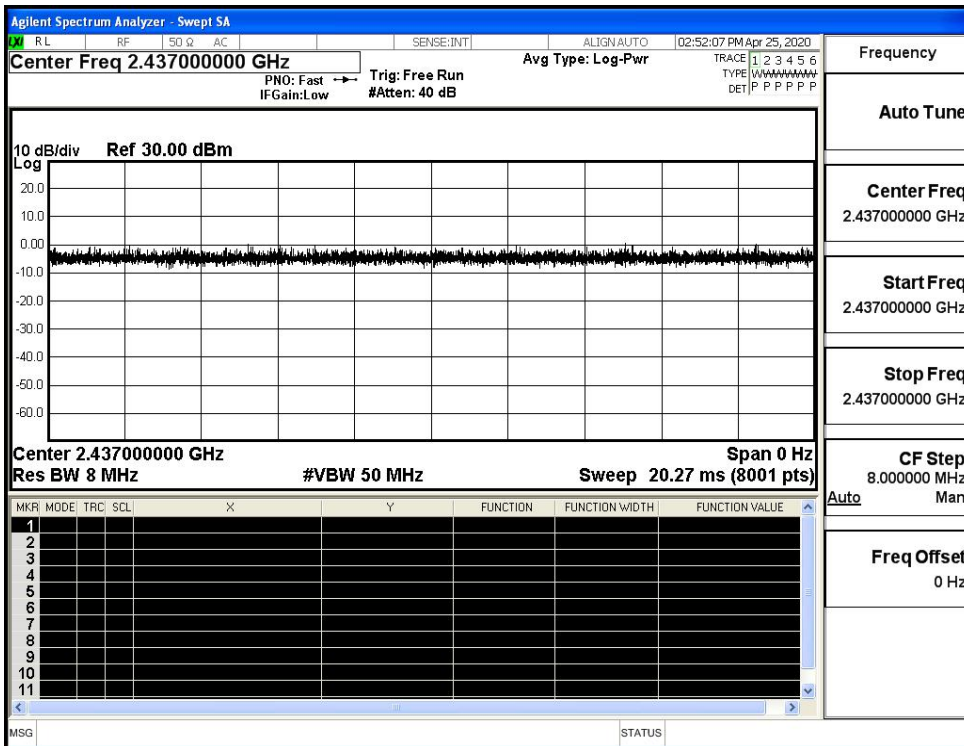
Duty Cycle\_11G\_2437\_Ant\_1



Duty Cycle\_11N20SISO\_2437\_Ant\_1



Duty Cycle\_11N40SISO\_2437\_Ant\_1



**A.2 Maximum Conducted Output Power**

Mode	Channel	Meas.Level [dBm]			Limit [dBm]	Verdict
		Ant_0	Ant_1	Sum		
11B	LCH	10.79	10.81	/	30	PASS
	MCH	12.41	10.44	/	30	PASS
	HCH	10.86	10.94	/	30	PASS
11G	LCH	11.28	11.24	/	30	PASS
	MCH	10.59	12.67	/	30	PASS
	HCH	11.29	11.67	/	30	PASS
11N20SISO	LCH	10.42	10.90	13.68	27.99	PASS
	MCH	13.14	11.89	15.57	27.99	PASS
	HCH	10.36	10.26	13.32	27.99	PASS
11N40SISO	LCH	10.21	13.88	15.43	27.99	PASS
	MCH	12.30	10.61	14.55	27.99	PASS
	HCH	11.70	11.57	14.65	27.99	PASS

### A.3 Maximum Power Spectral Density

#### Ant\_0

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-14.799	8	PASS
	MCH	-12.317	8	PASS
	HCH	-13.733	8	PASS
11G	LCH	-21.975	8	PASS
	MCH	-23.242	8	PASS
	HCH	-21.330	8	PASS
11N20SISO	LCH	-22.798	8	PASS
	MCH	-19.669	8	PASS
	HCH	-23.022	8	PASS
11N40SISO	LCH	-21.383	8	PASS
	MCH	-22.788	8	PASS
	HCH	-23.641	8	PASS

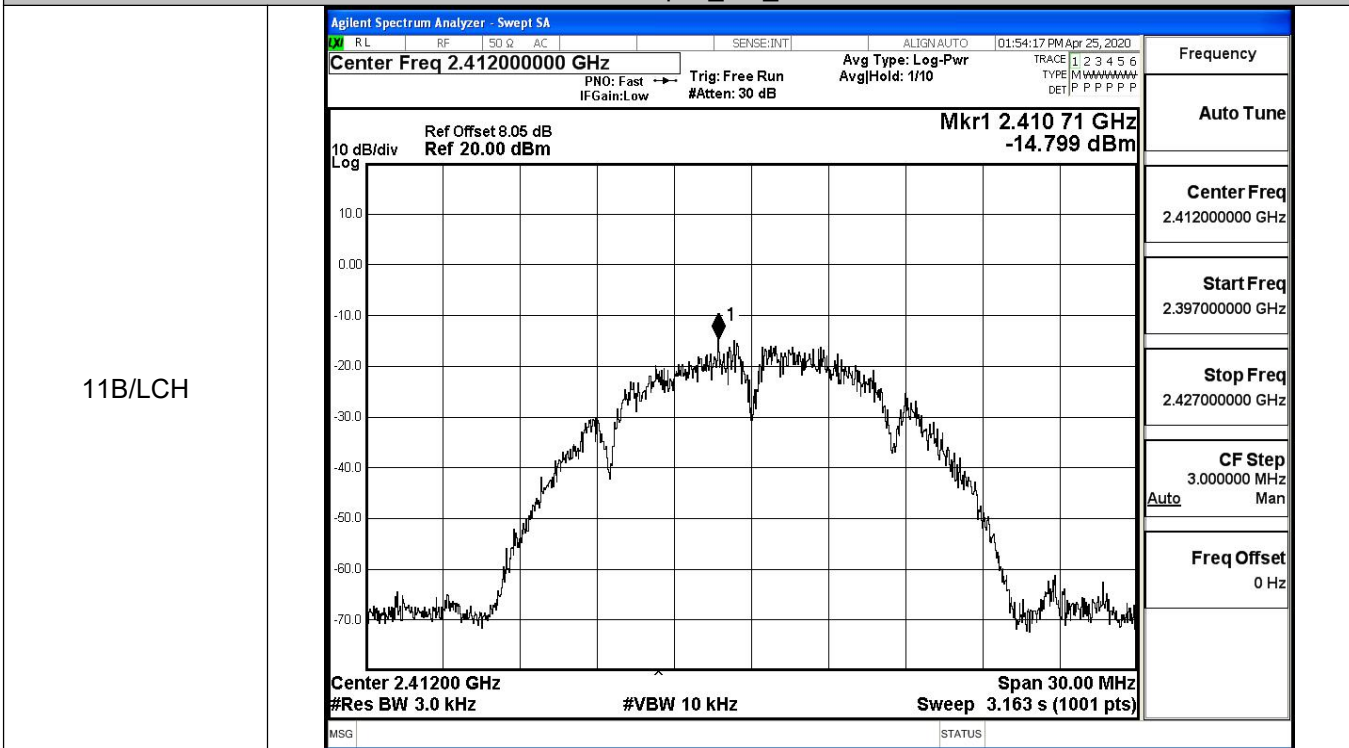
#### Ant\_1

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-14.695	8	PASS
	MCH	-14.926	8	PASS
	HCH	-15.192	8	PASS
11G	LCH	-23.932	8	PASS
	MCH	-21.312	8	PASS
	HCH	-21.005	8	PASS
11N20SISO	LCH	-22.359	8	PASS
	MCH	-21.792	8	PASS
	HCH	-22.667	8	PASS
11N40SISO	LCH	-21.889	8	PASS
	MCH	-25.417	8	PASS
	HCH	-23.243	8	PASS

**Combined Ant\_0 and Ant\_1**

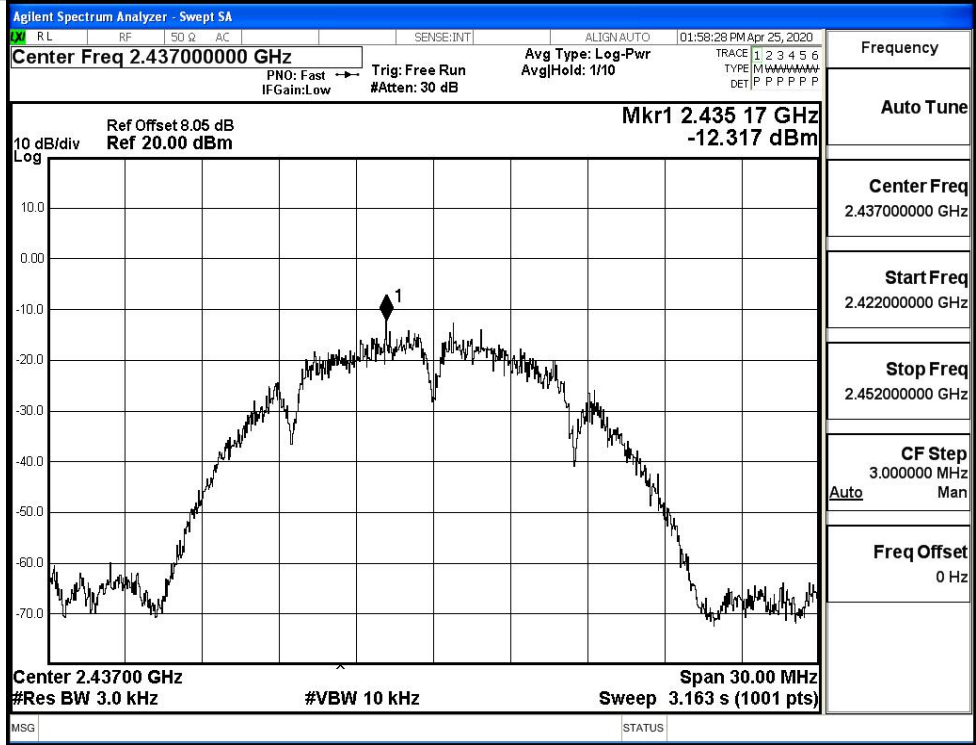
Mode	Channel	Result [dBm/3KHz]			Limit [dBm/3KHz]	Verdict
		Ant_0	Ant_1	Sum		
11N20	LCH	-22.798	-22.359	-19.563	5.99	PASS
	MCH	-19.669	-21.792	-17.592	5.99	PASS
	HCH	-23.022	-22.667	-19.831	5.99	PASS
11N40	LCH	-21.383	-21.889	-18.618	5.99	PASS
	MCH	-22.788	-25.417	-20.896	5.99	PASS
	HCH	-23.641	-23.243	-20.427	5.99	PASS

**Test Graphs\_Ant\_0**

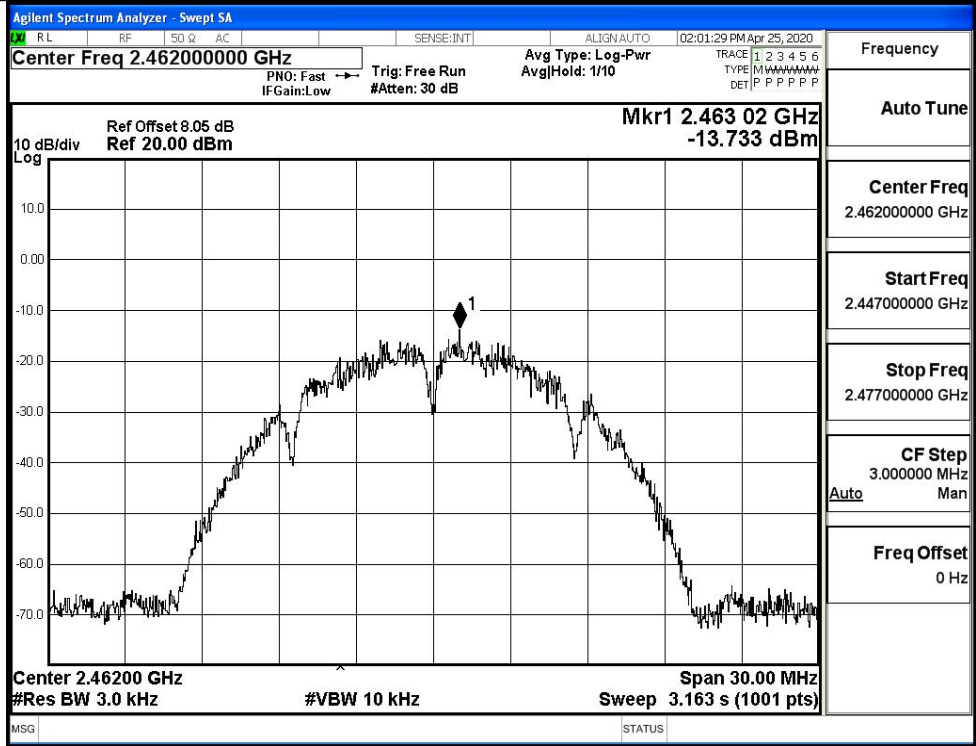




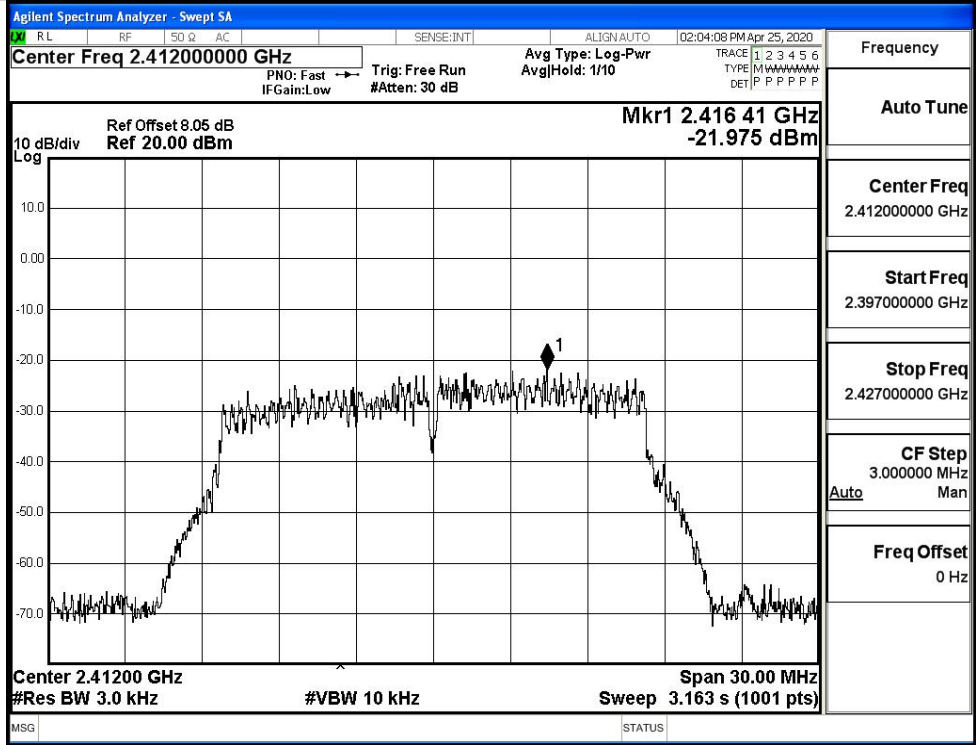
11B/MCH



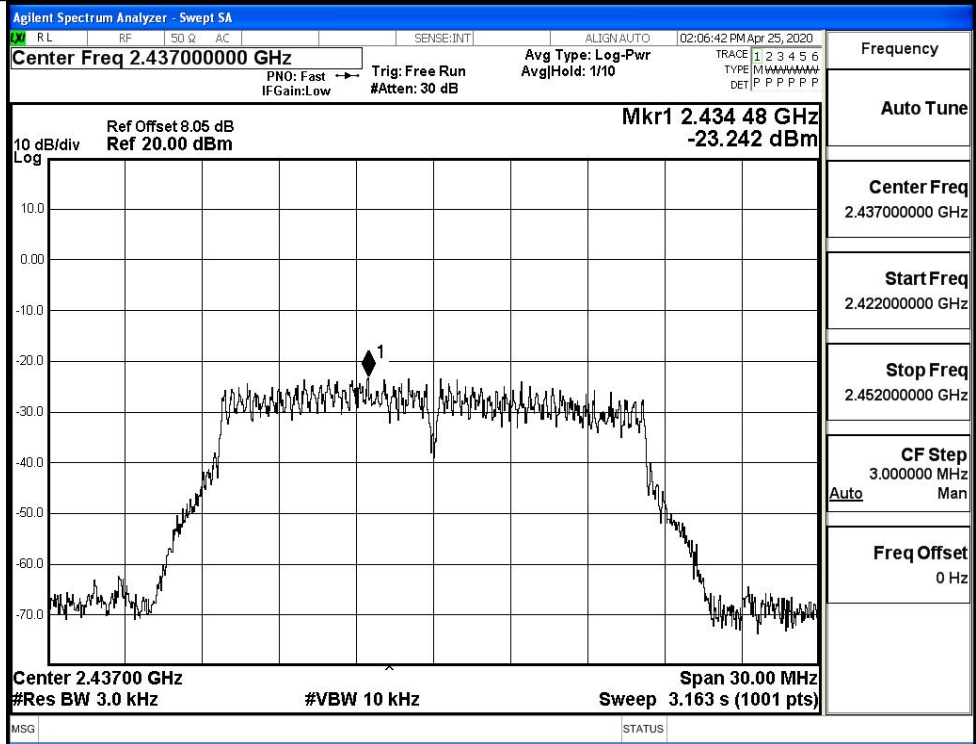
11B/HCH



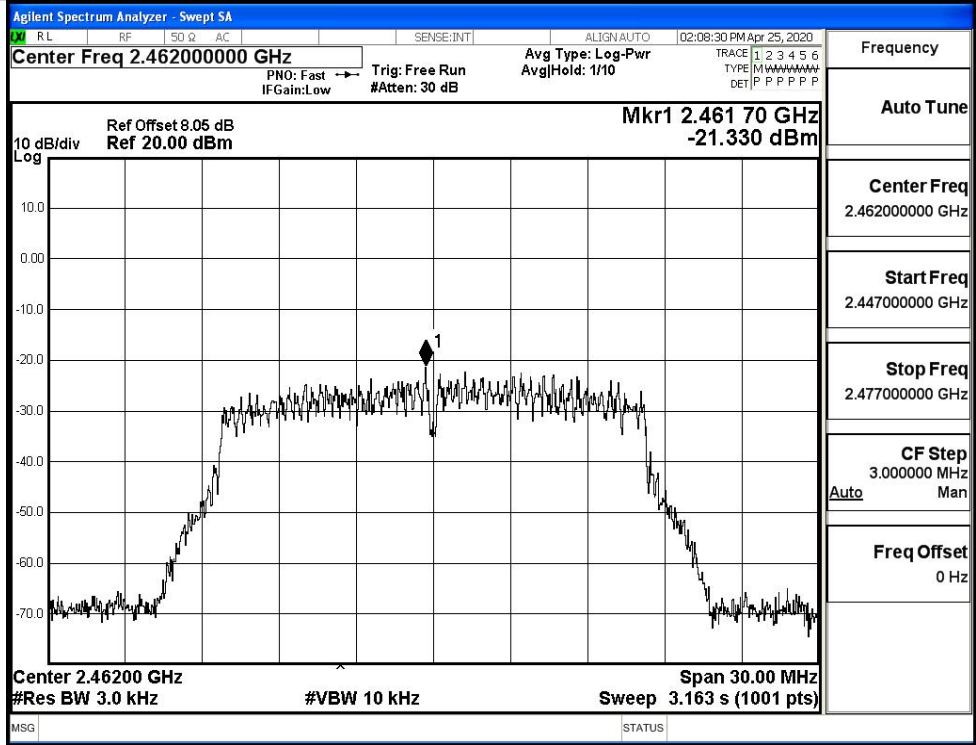
11G/LCH



11G/MCH

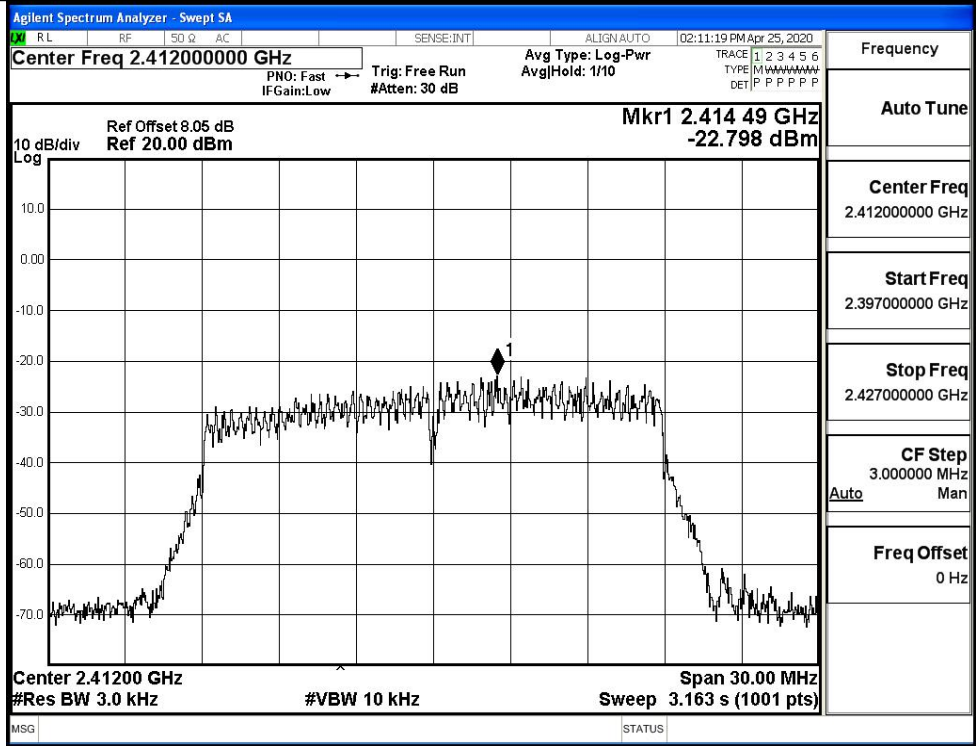


11G/HCH



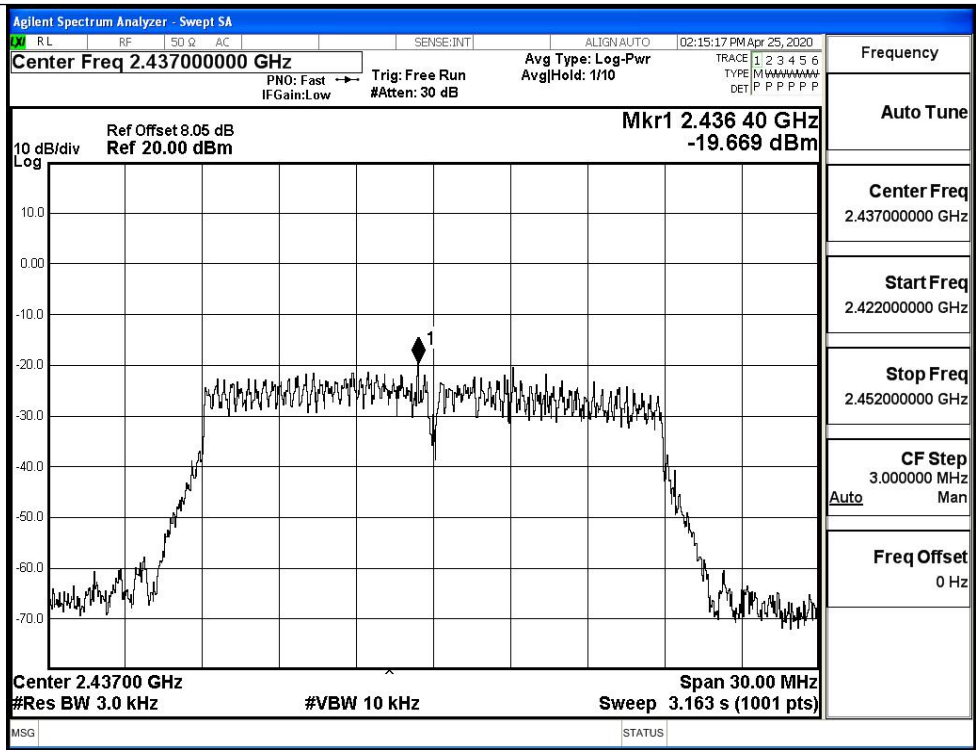
Frequency
Auto Tune
Center Freq 2.46200000 GHz
Start Freq 2.447000000 GHz
Stop Freq 2.477000000 GHz
CF Step 3.000000 MHz Auto Man
Freq Offset 0 Hz

11N20SISO/LCH

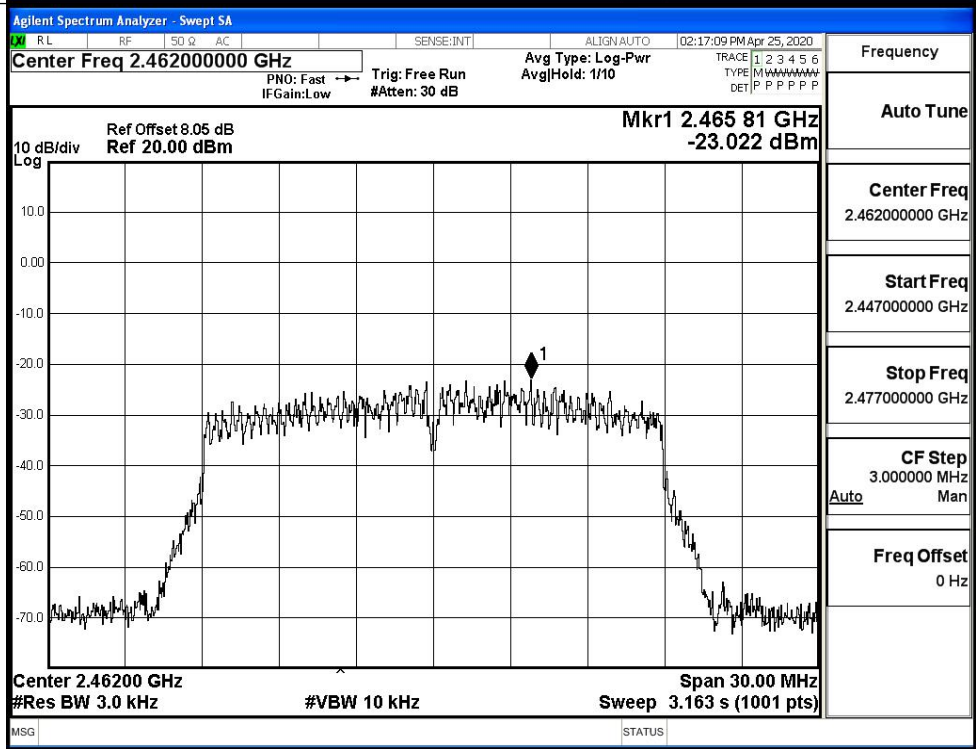


Frequency
Auto Tune
Center Freq 2.412000000 GHz
Start Freq 2.397000000 GHz
Stop Freq 2.427000000 GHz
CF Step 3.000000 MHz Auto Man
Freq Offset 0 Hz

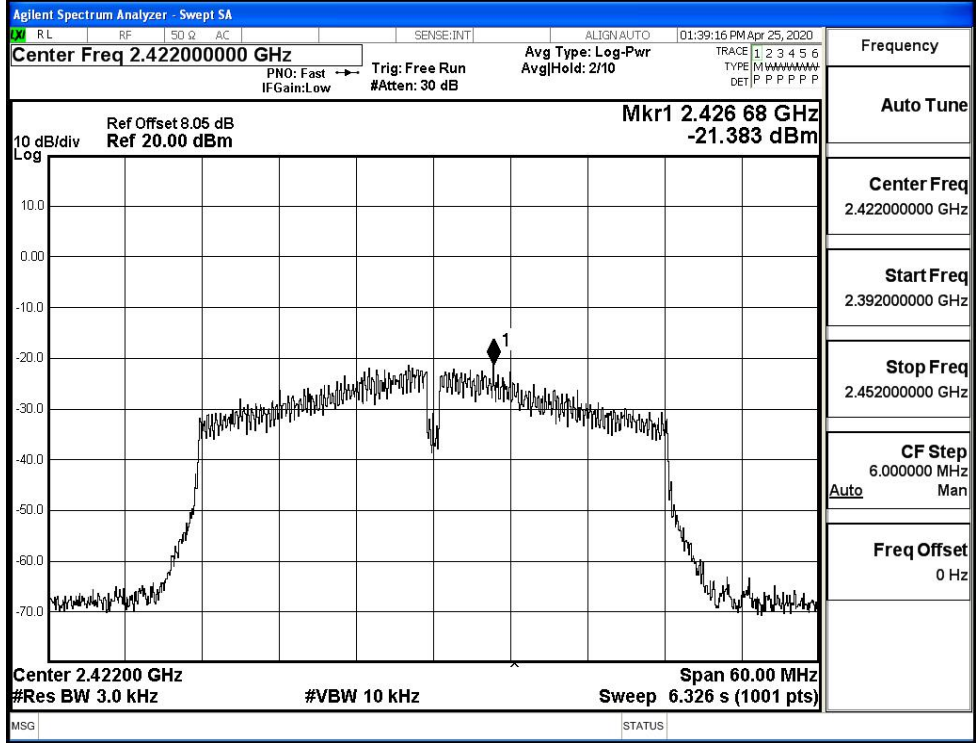
11N20SISO/MCH



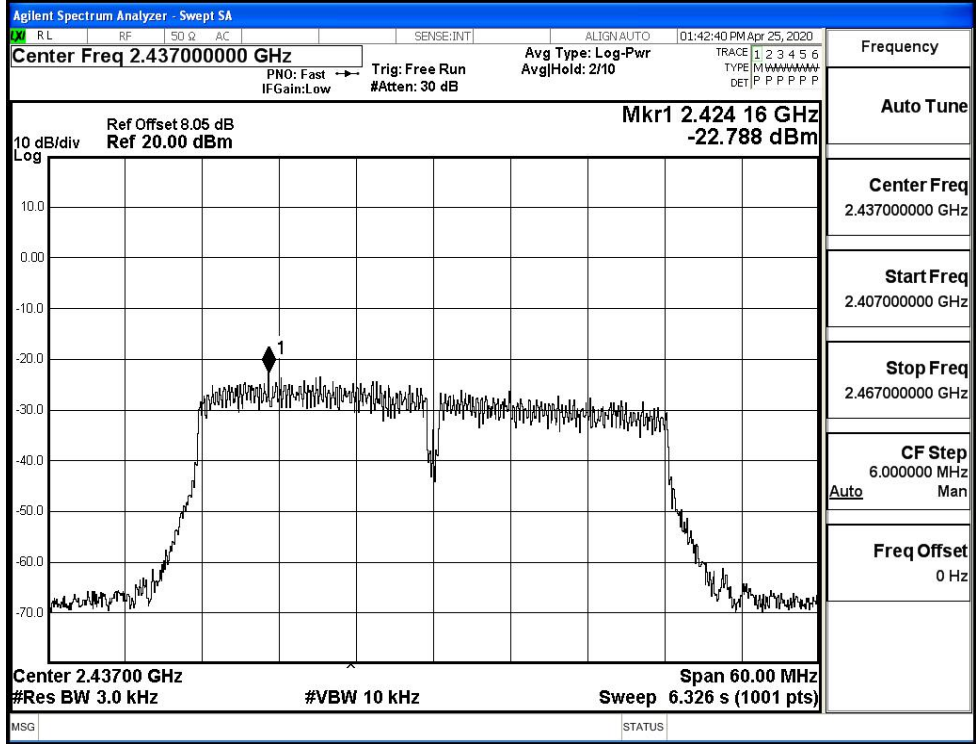
11N20SISO/HCH



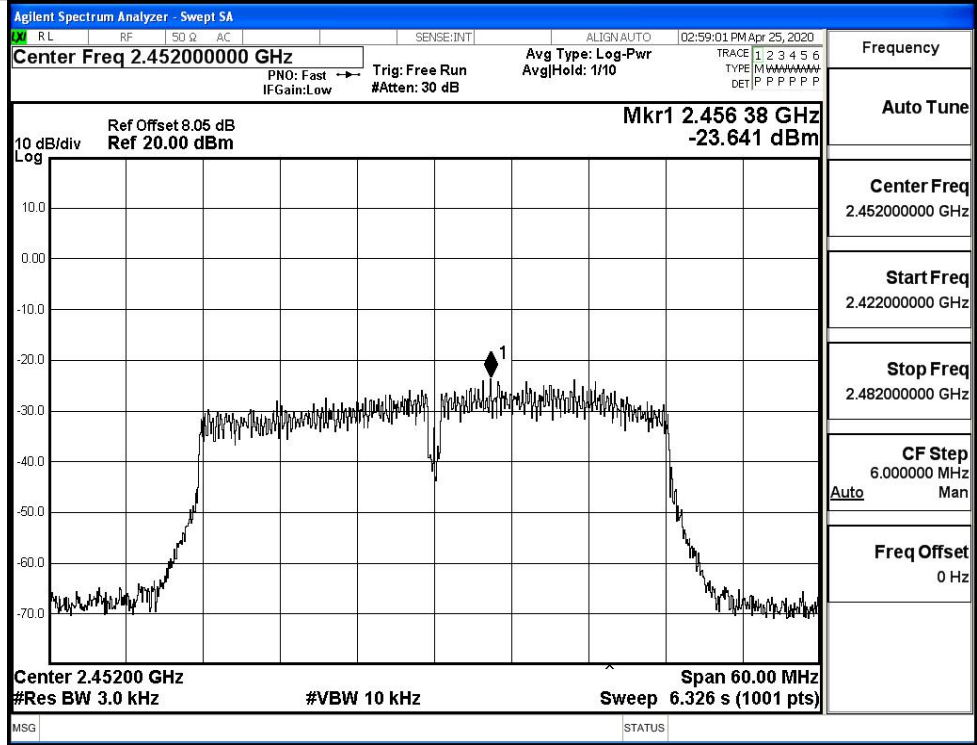
11N40SISO/LCH



11N40SISO/MCH

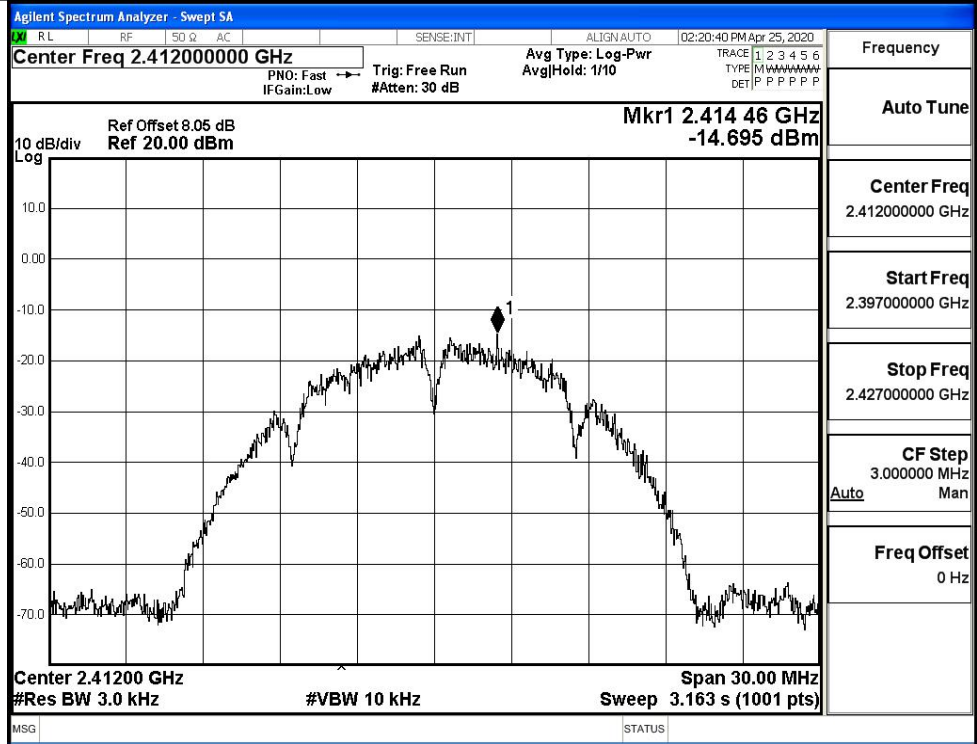


11N40SISO/HCH

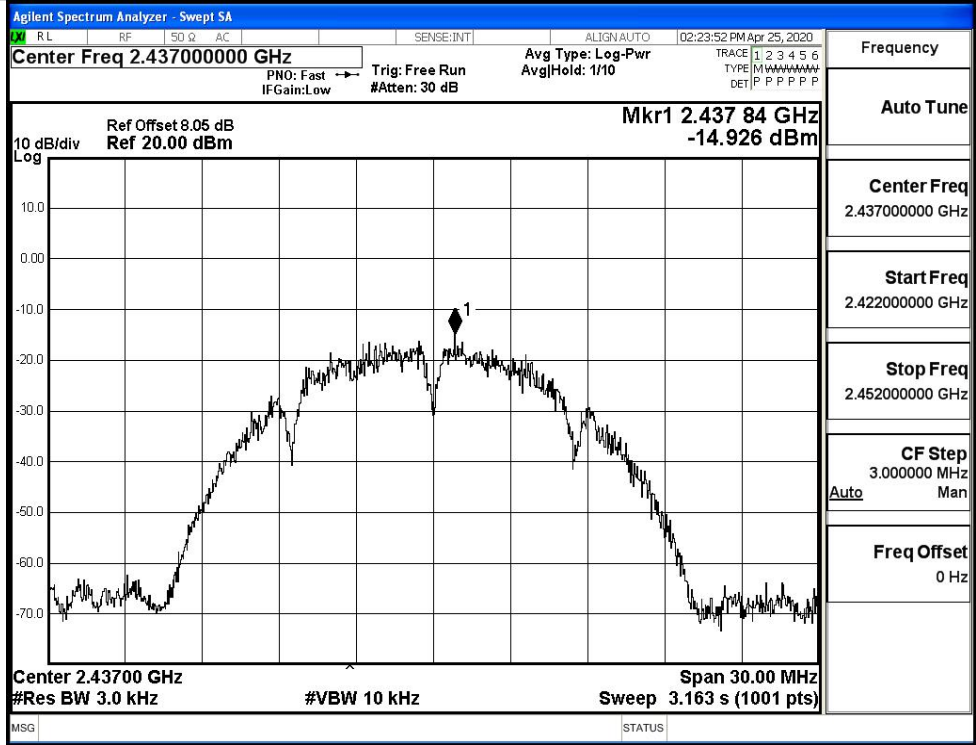


Test Graphs\_Ant\_1

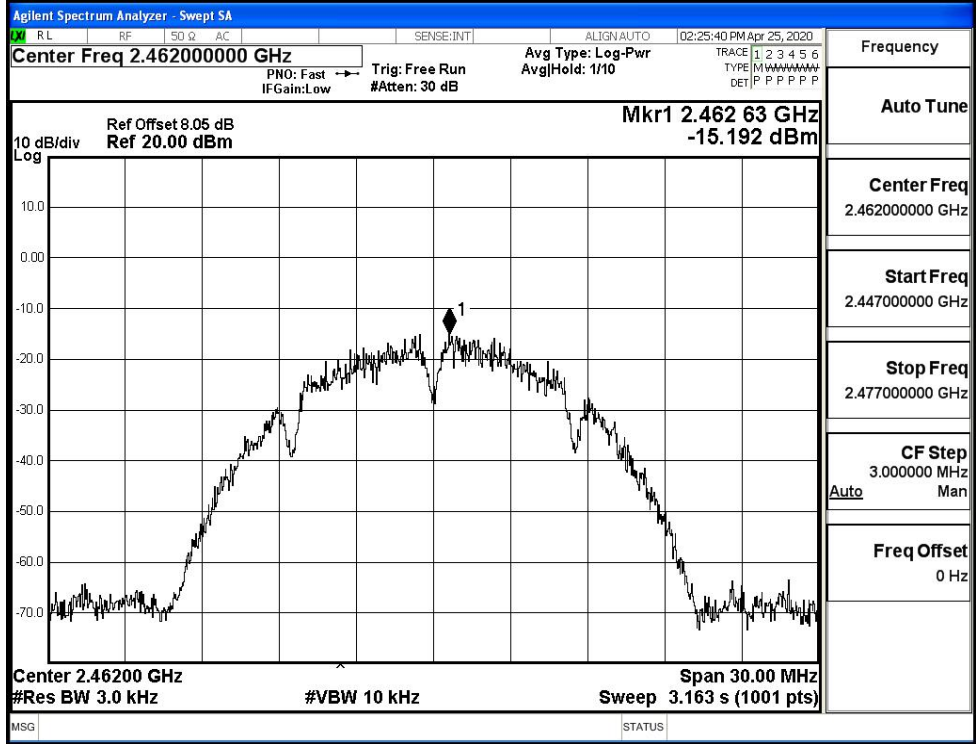
11B/LCH



11B/MCH

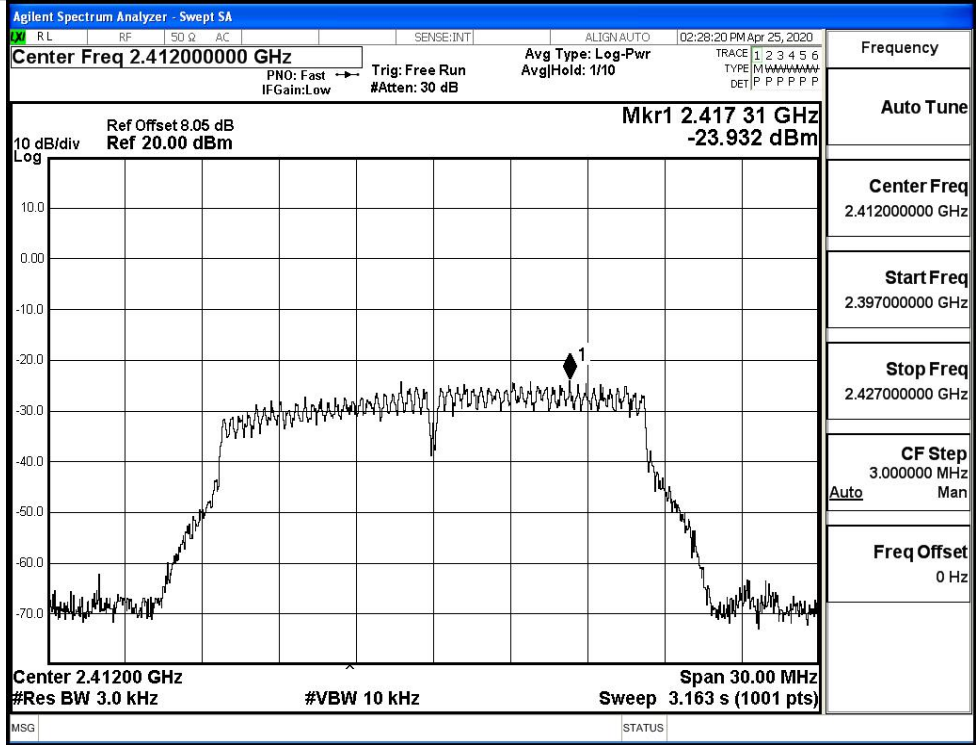


11B/HCH

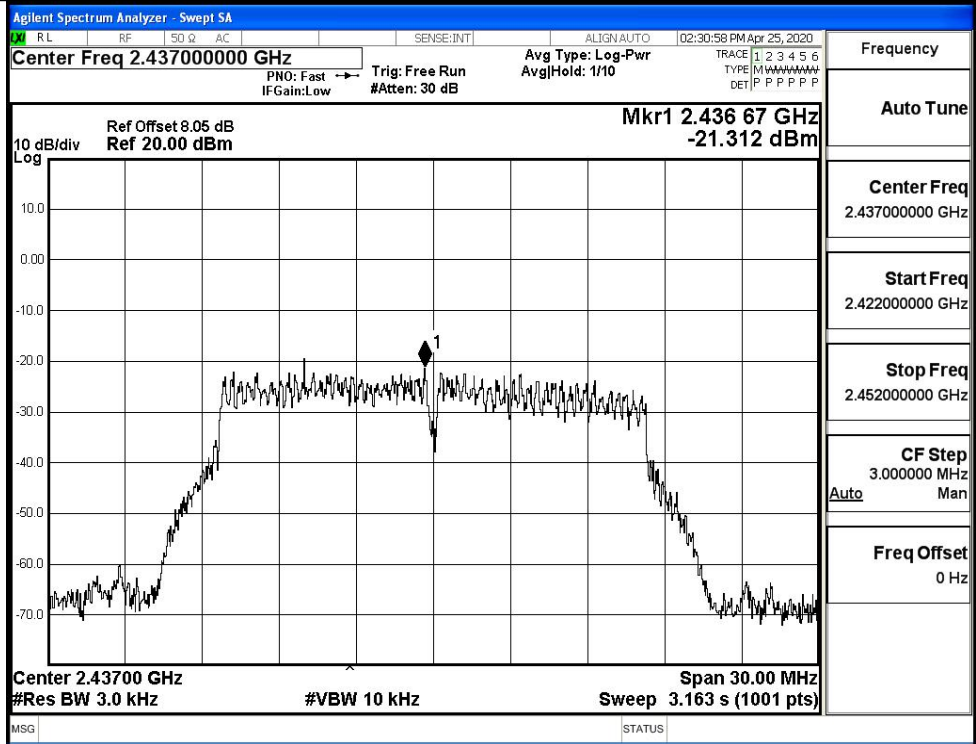




11G/LCH

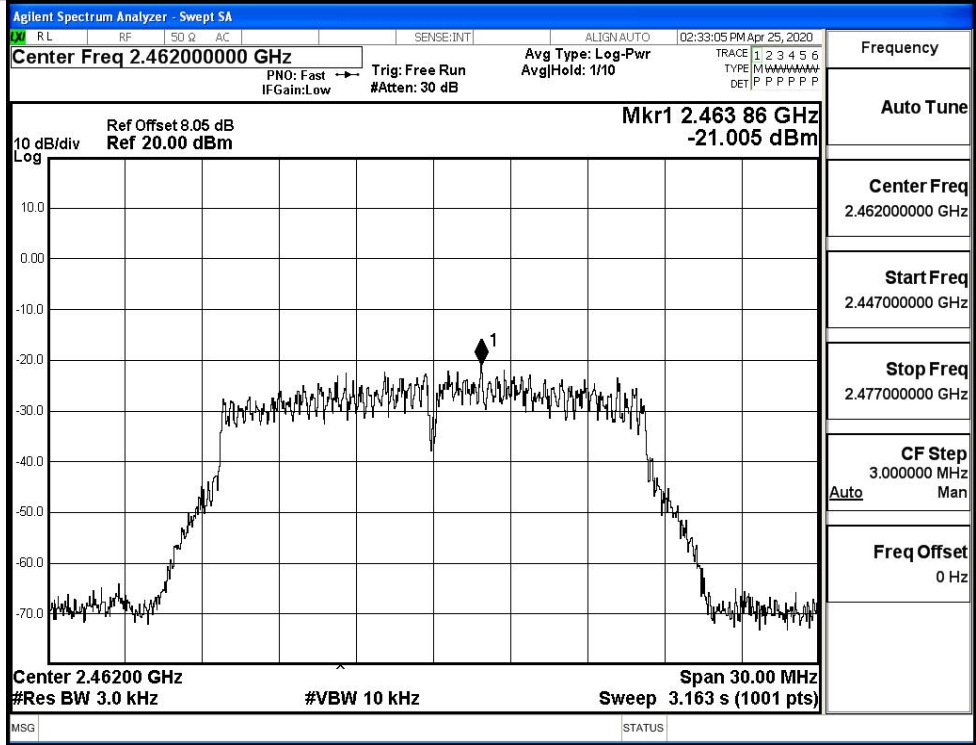


11G/MCH

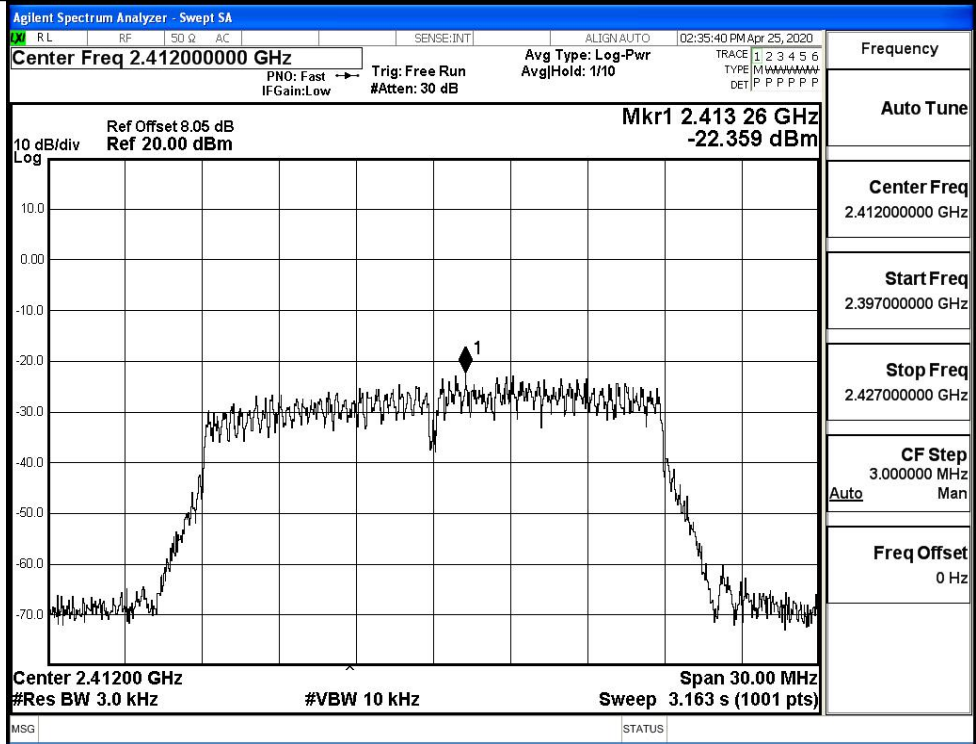




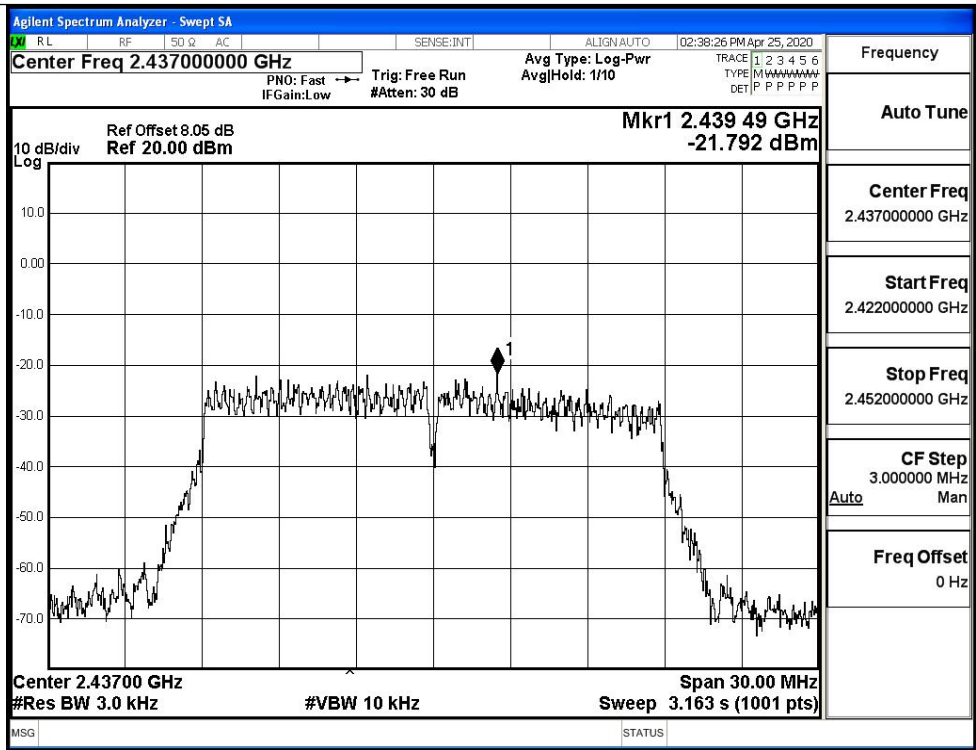
11G/HCH



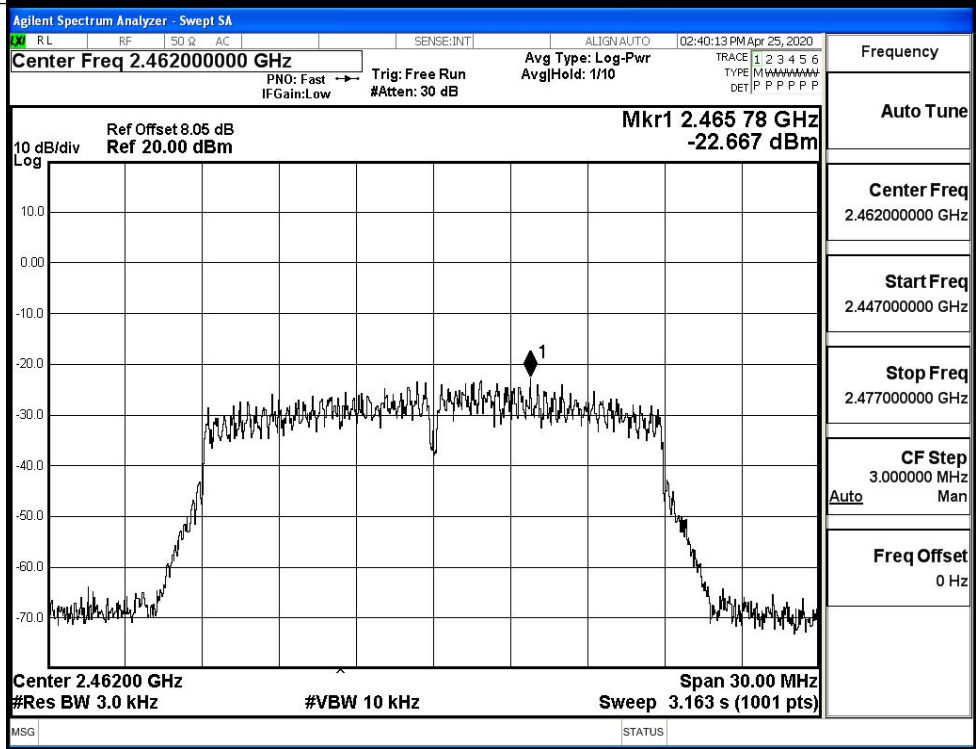
11N20SISO/LCH



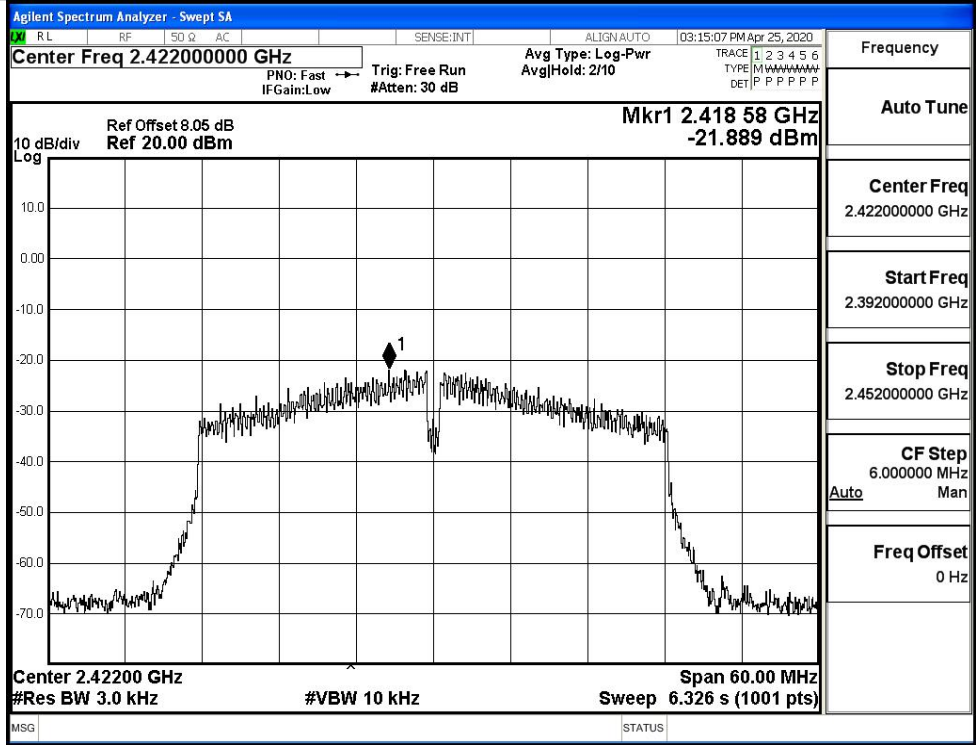
11N20SISO/MCH



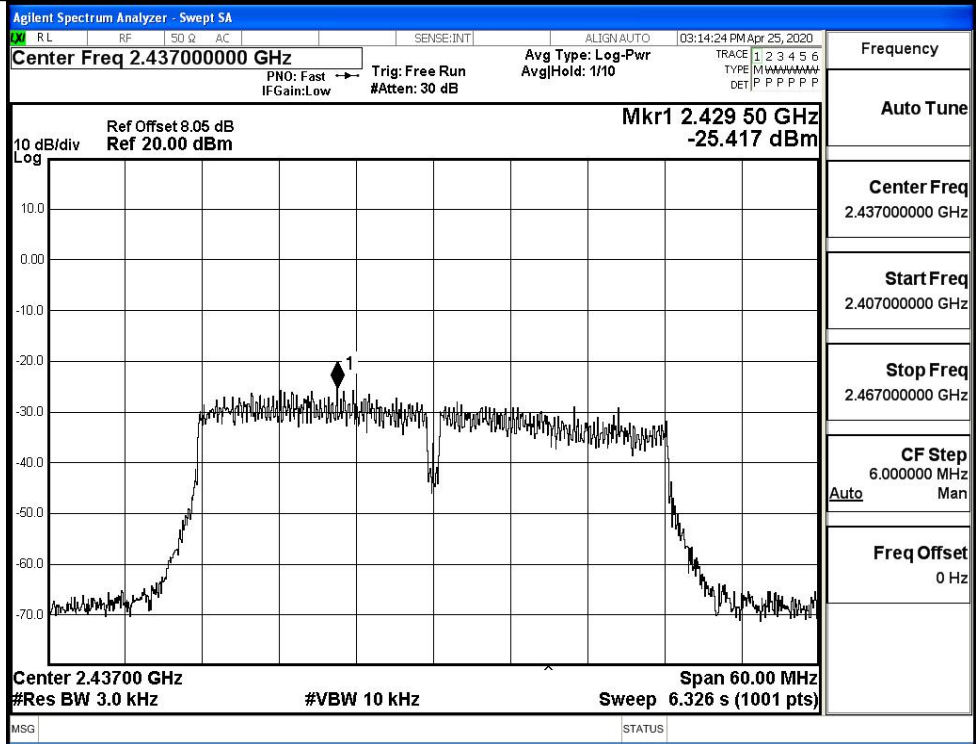
11N20SISO/HCH



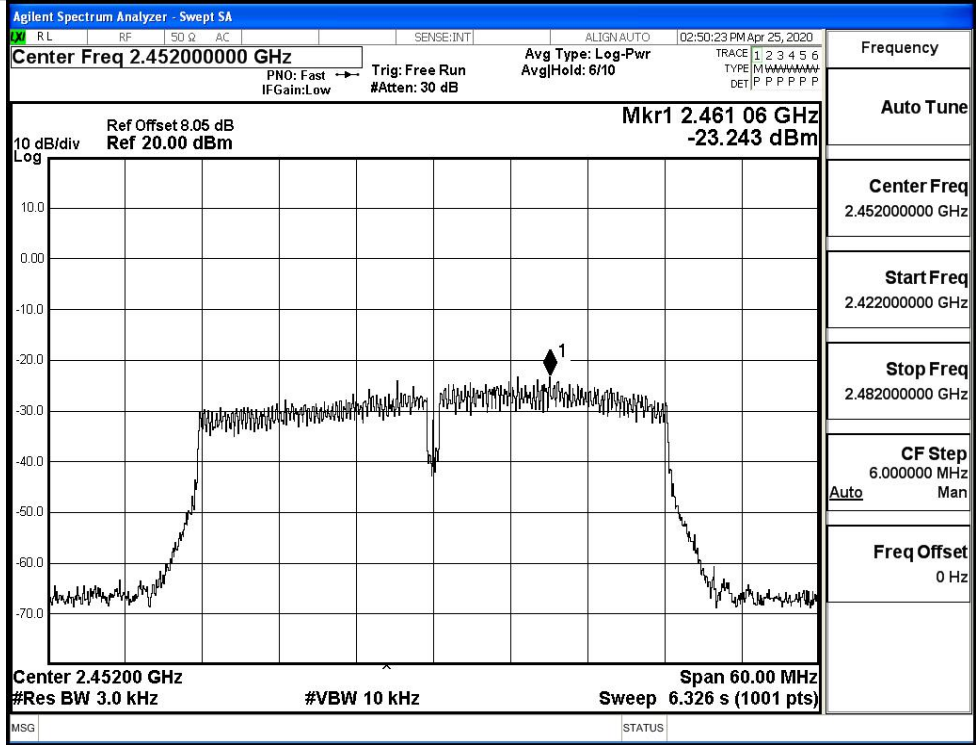
11N40SISO/LCH



11N40SISO/MCH



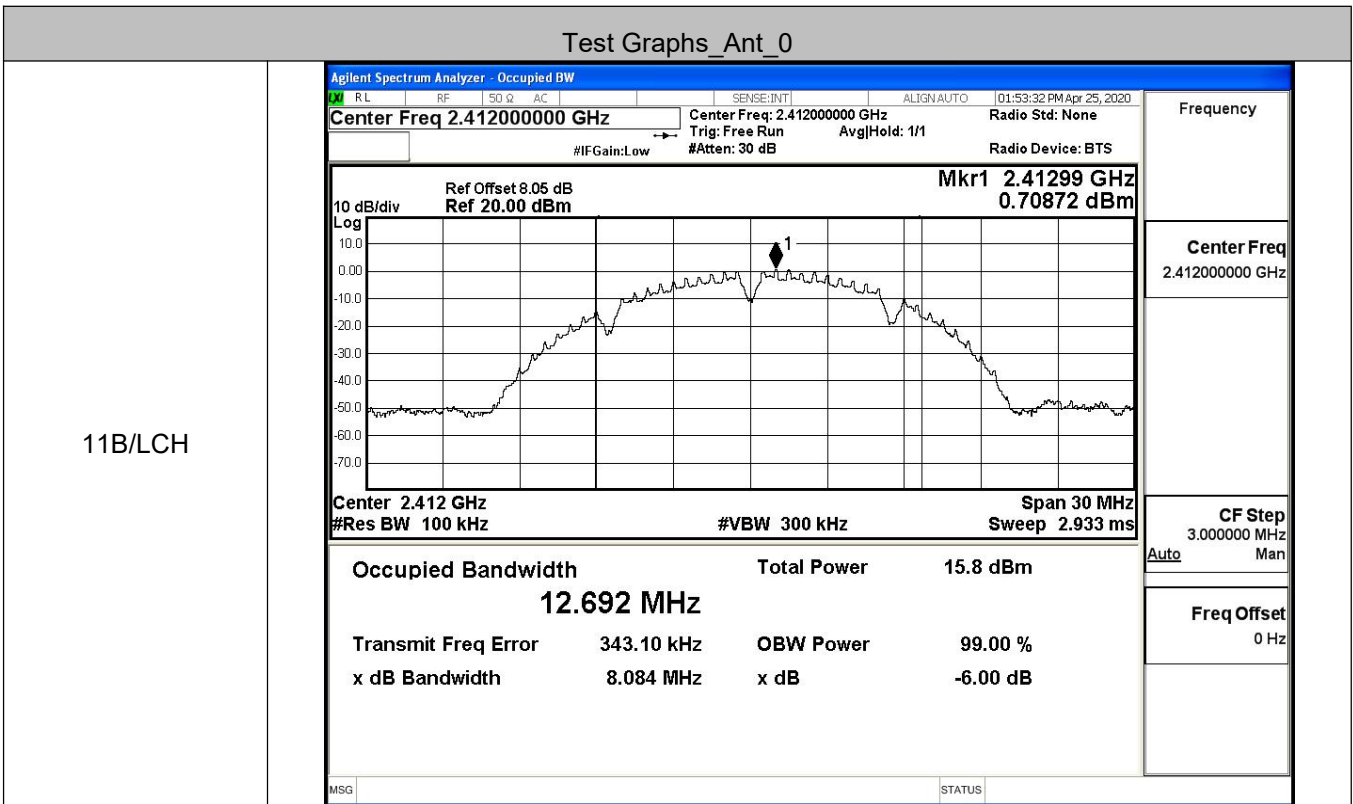
11N40SISO/HCH



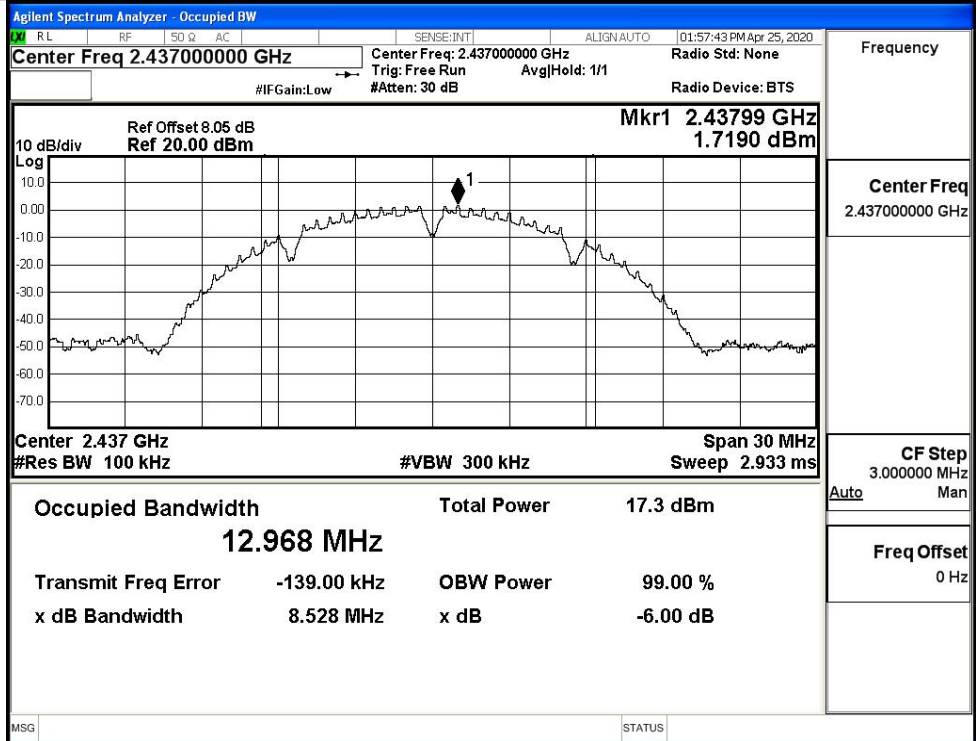
**A.4 6dB Bandwidth**

Mode	Channel	6dB Bandwidth [MHz]		Limit [MHz]	Verdict
		Ant_0	Ant_1		
11B	LCH	8.084	8.093	≥0.5	PASS
	MCH	8.528	8.104	≥0.5	PASS
	HCH	7.591	8.075	≥0.5	PASS
11G	LCH	15.56	15.67	≥0.5	PASS
	MCH	16.47	16.47	≥0.5	PASS
	HCH	15.69	15.54	≥0.5	PASS
11N20SISO	LCH	16.45	16.42	≥0.5	PASS
	MCH	17.72	17.71	≥0.5	PASS
	HCH	16.70	16.16	≥0.5	PASS
11N40SISO	LCH	36.12	36.34	≥0.5	PASS
	MCH	35.54	36.42	≥0.5	PASS
	HCH	36.12	35.44	≥0.5	PASS

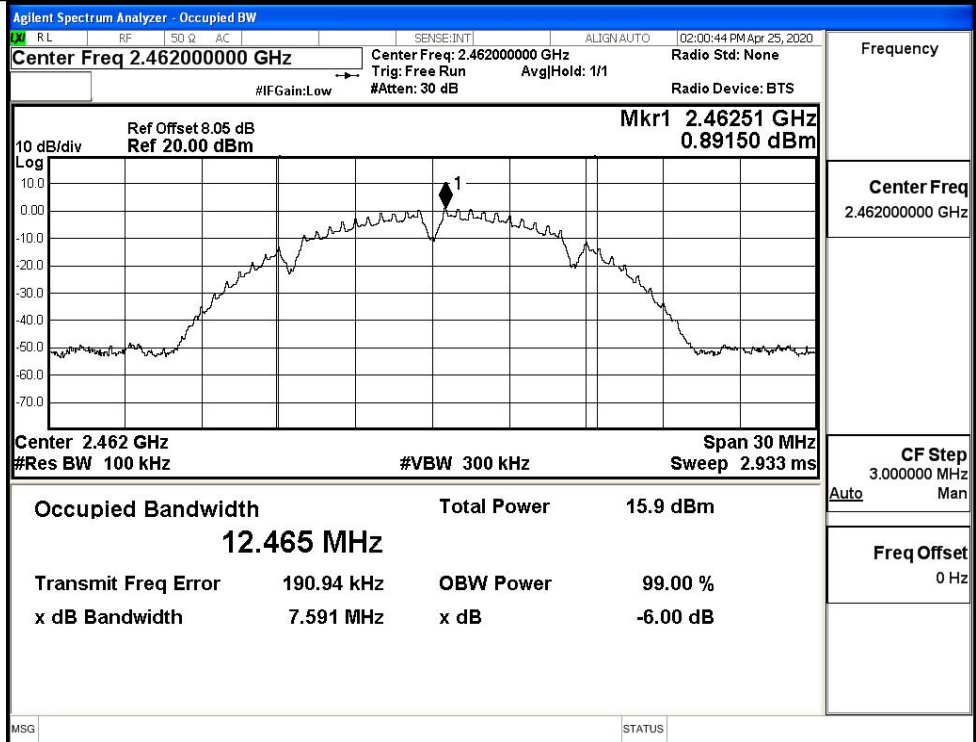
Test Graphs\_Ant\_0



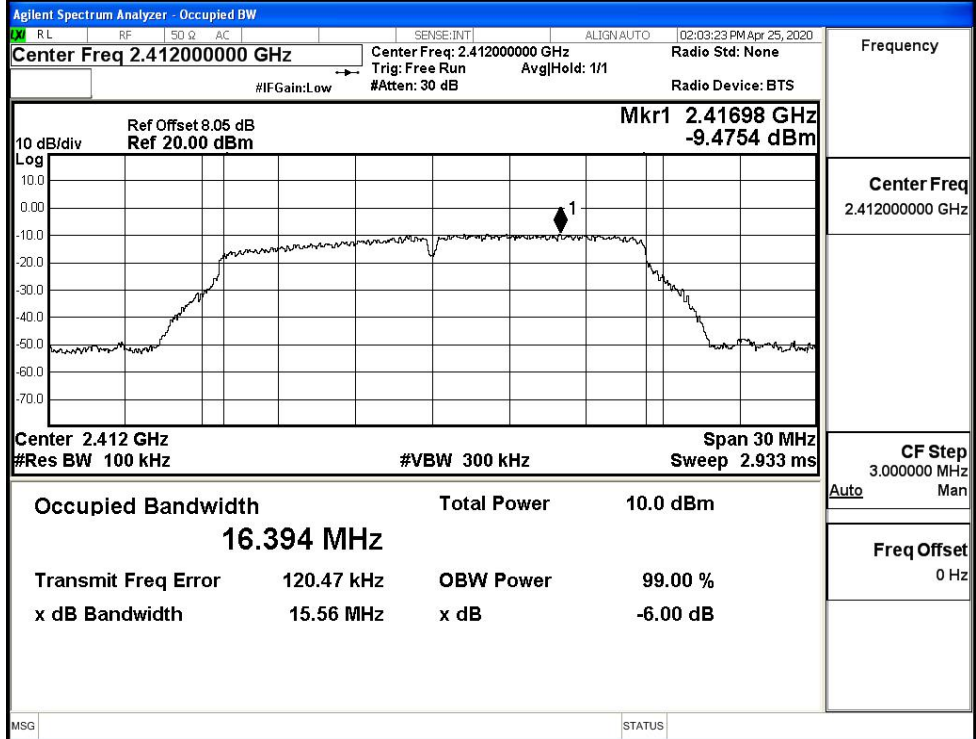
11B/MCH



11B/HCH

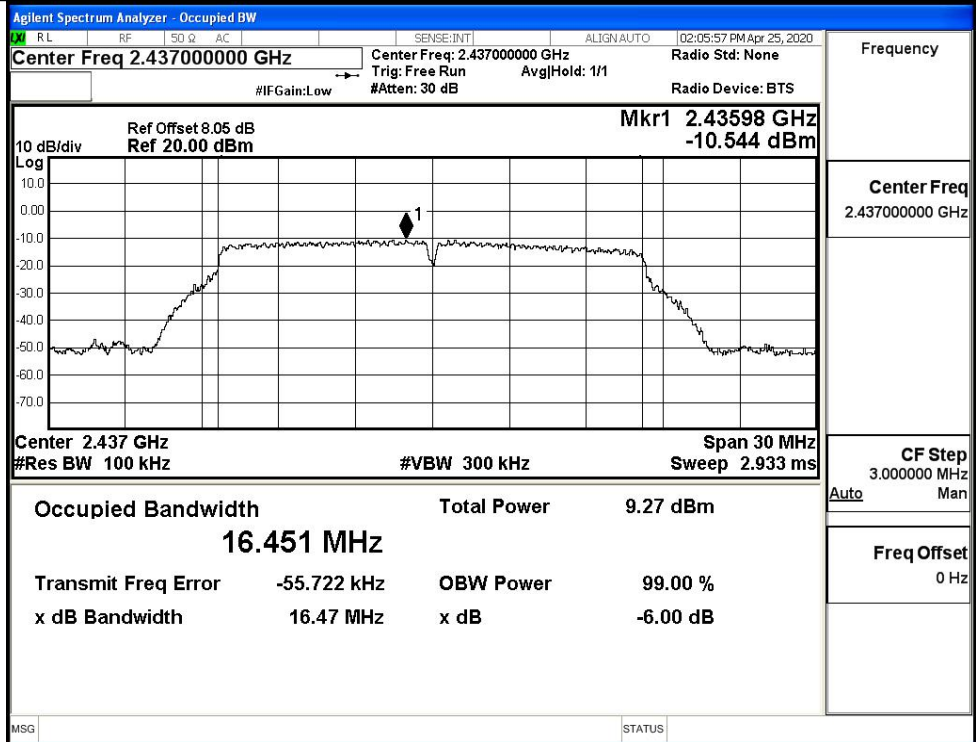


11G/LCH



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

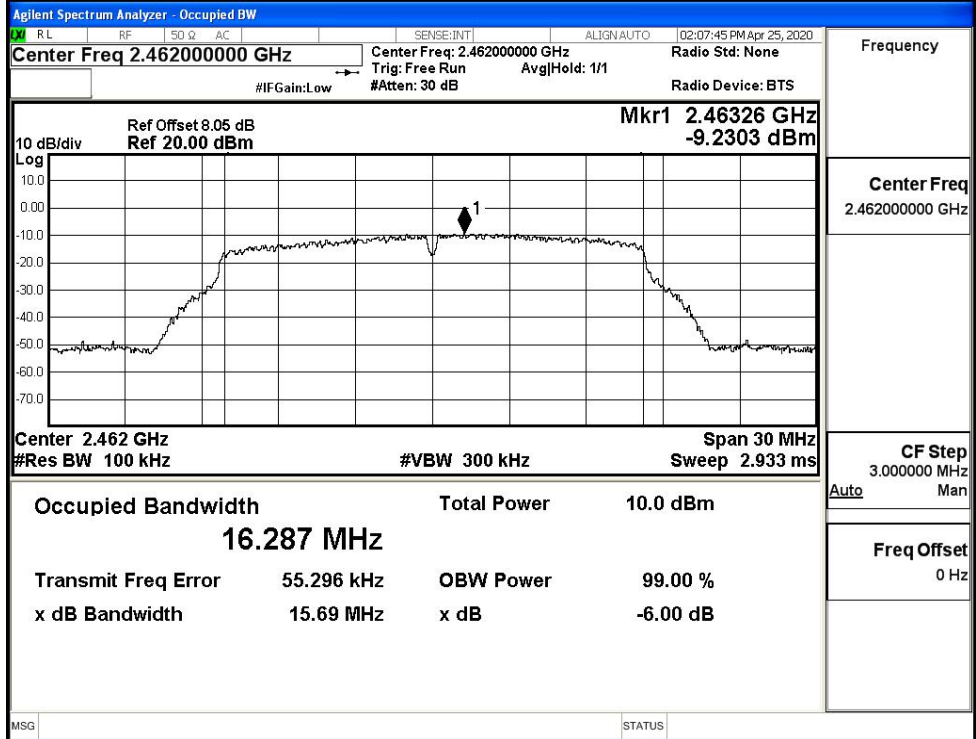
11G/MCH



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

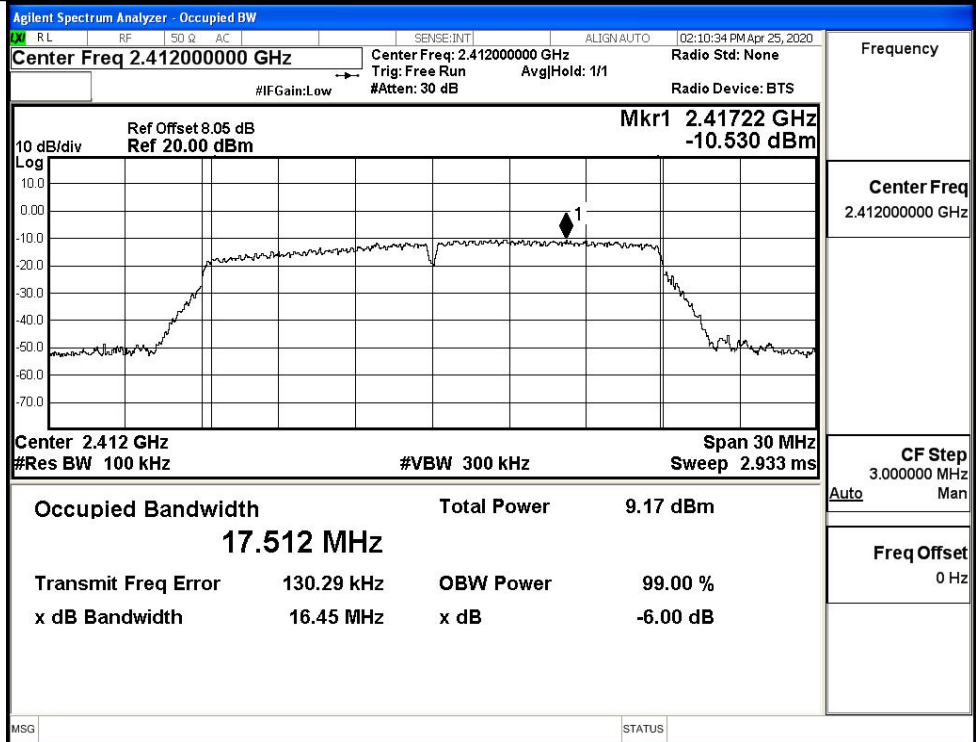


11G/HCH



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

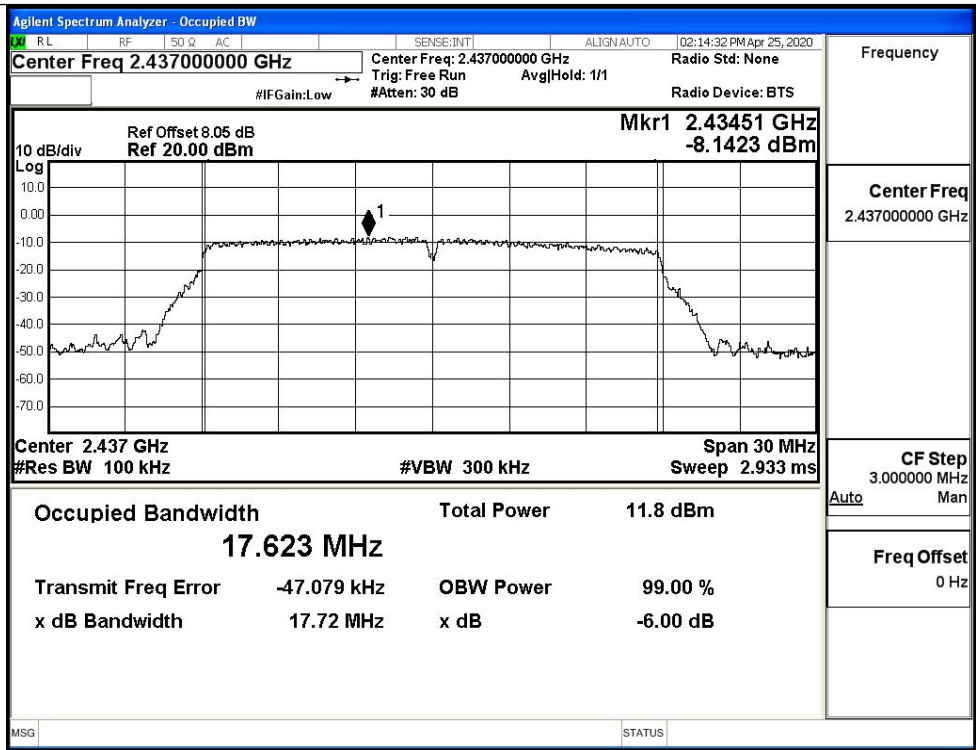
11N20SISO/LCH



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



11N20SISO/MCH



11N20SISO/HCH

