

Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Hydro Master

Trade Mark: 

Test Model: GRWHUB001

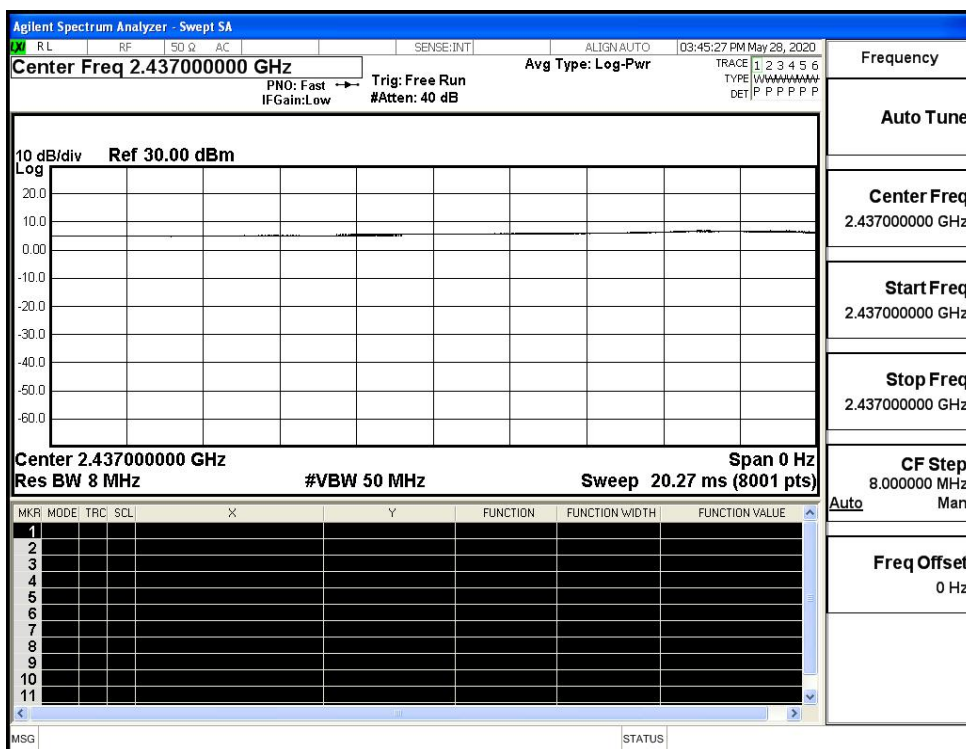
Environmental Conditions

Temperature:	22.8 ° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Scout Wu
Supervised by:	Li Huan

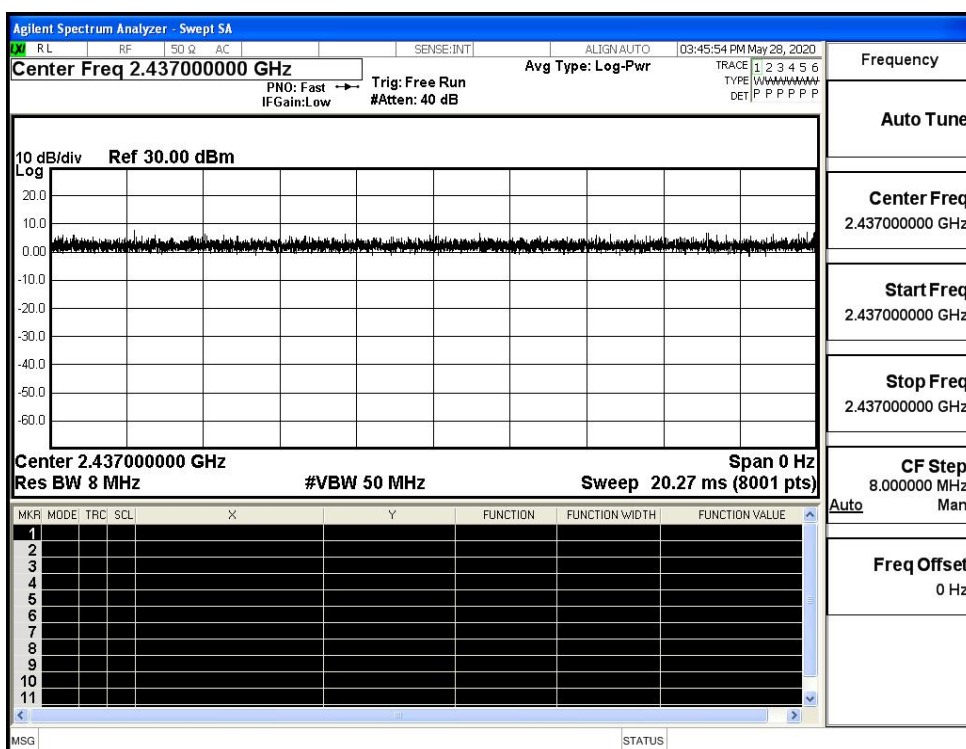
C.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS

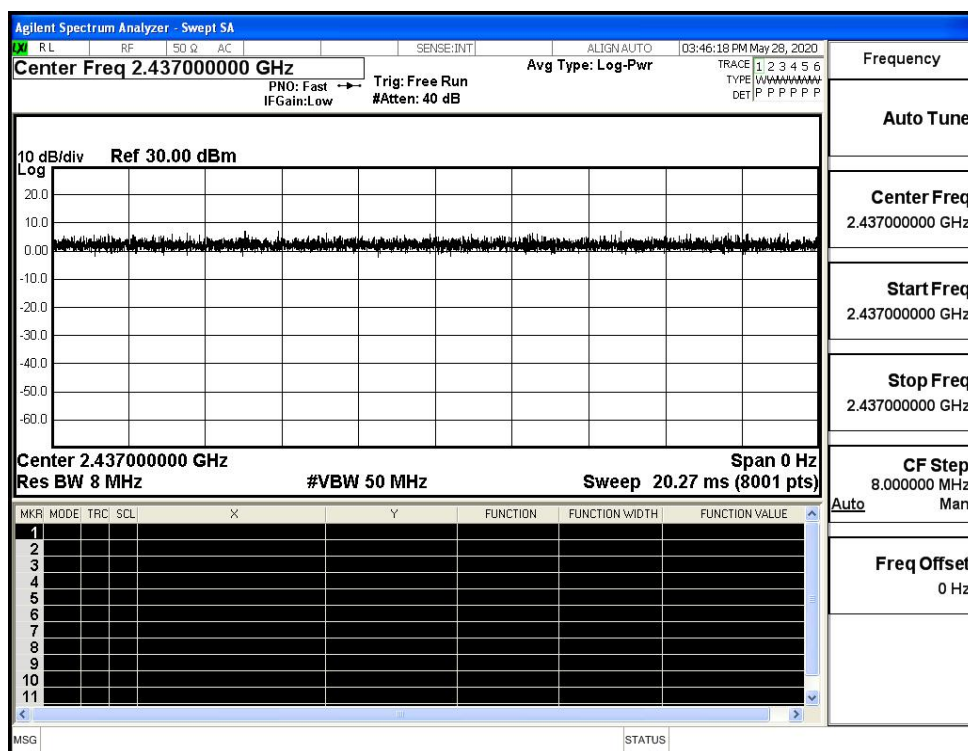
Duty Cycle_11B_2437_Ant1



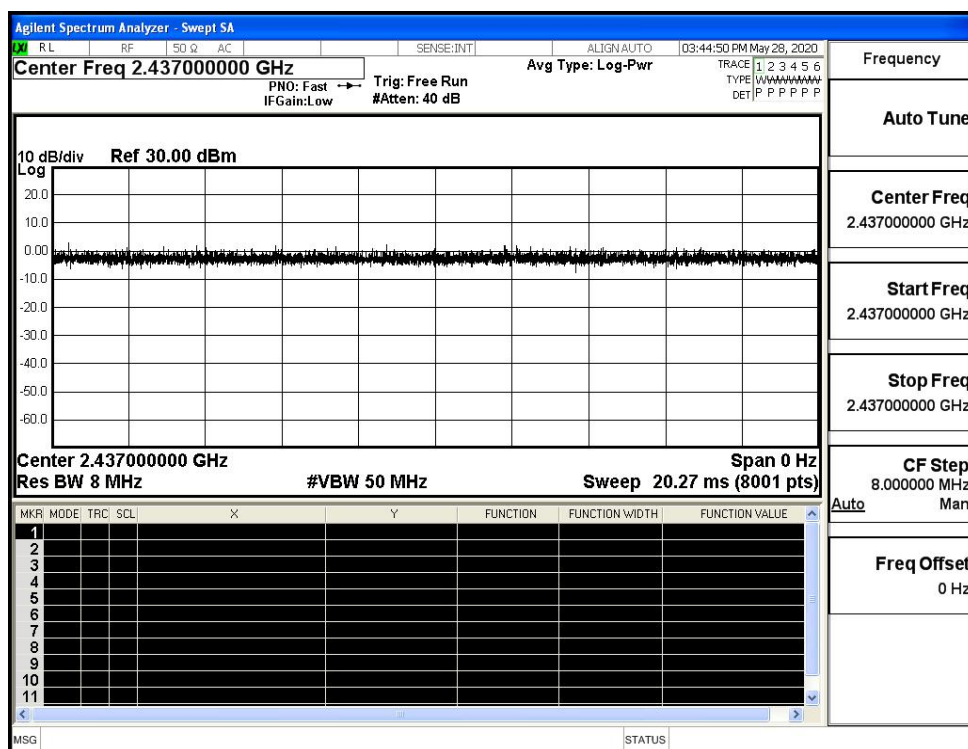
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1

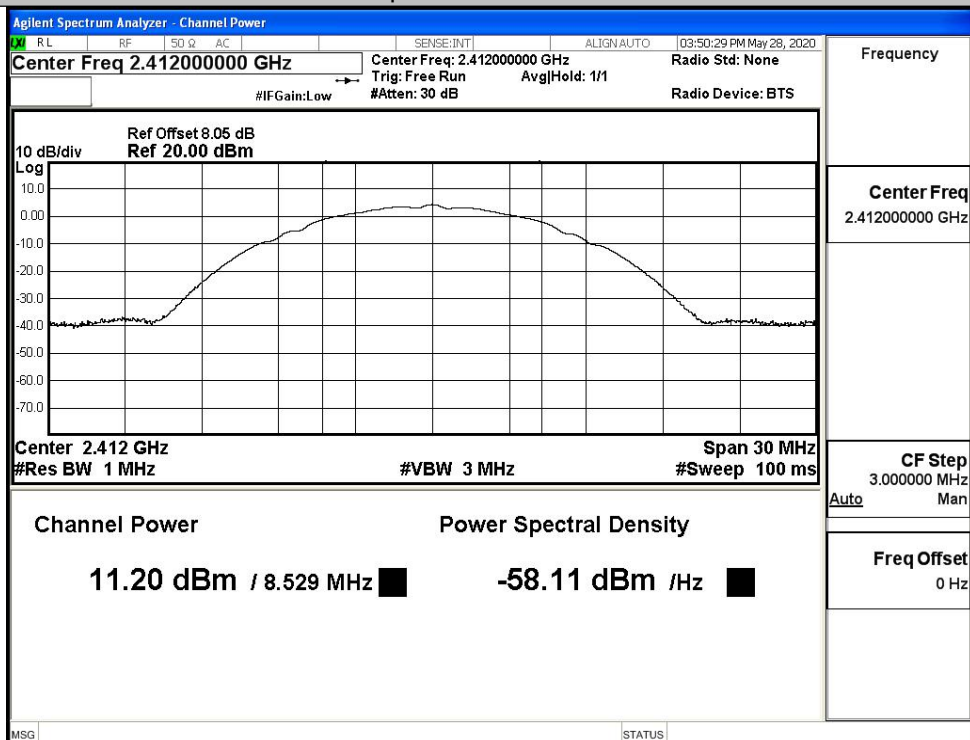


C.2 Maximum Conducted Output Power

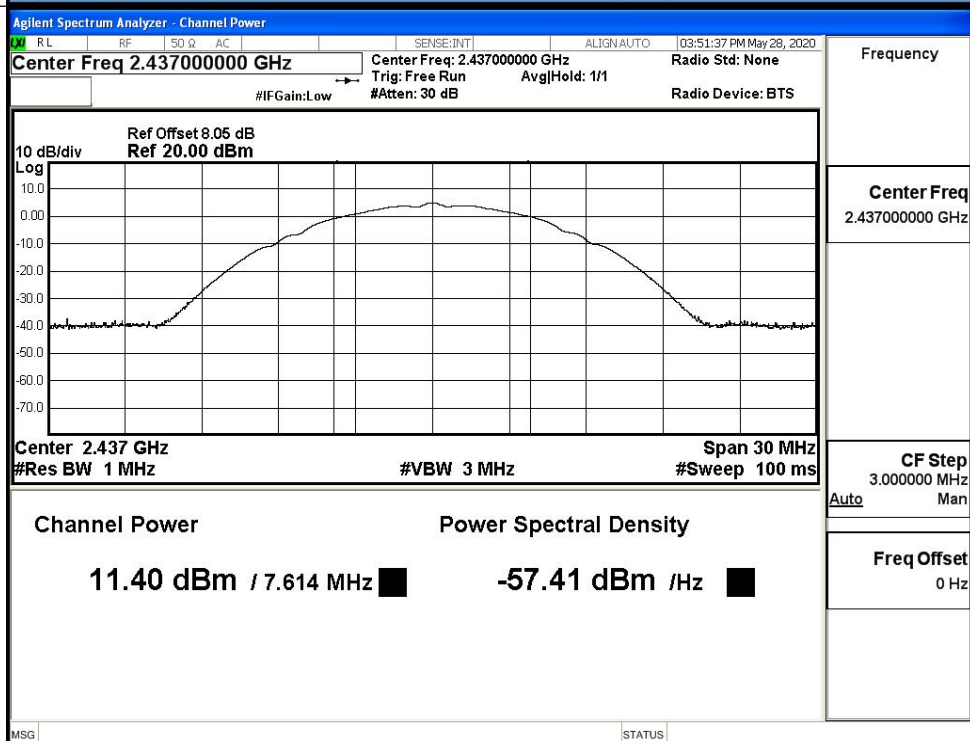
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	11.20	30	PASS
	MCH	11.40	30	PASS
	HCH	11.61	30	PASS
11G	LCH	11.54	30	PASS
	MCH	11.49	30	PASS
	HCH	11.62	30	PASS
11N20SISO	LCH	11.32	30	PASS
	MCH	11.41	30	PASS
	HCH	11.43	30	PASS
11N40SISO	LCH	11.82	30	PASS
	MCH	12.42	30	PASS
	HCH	12.00	30	PASS

Test Graphs

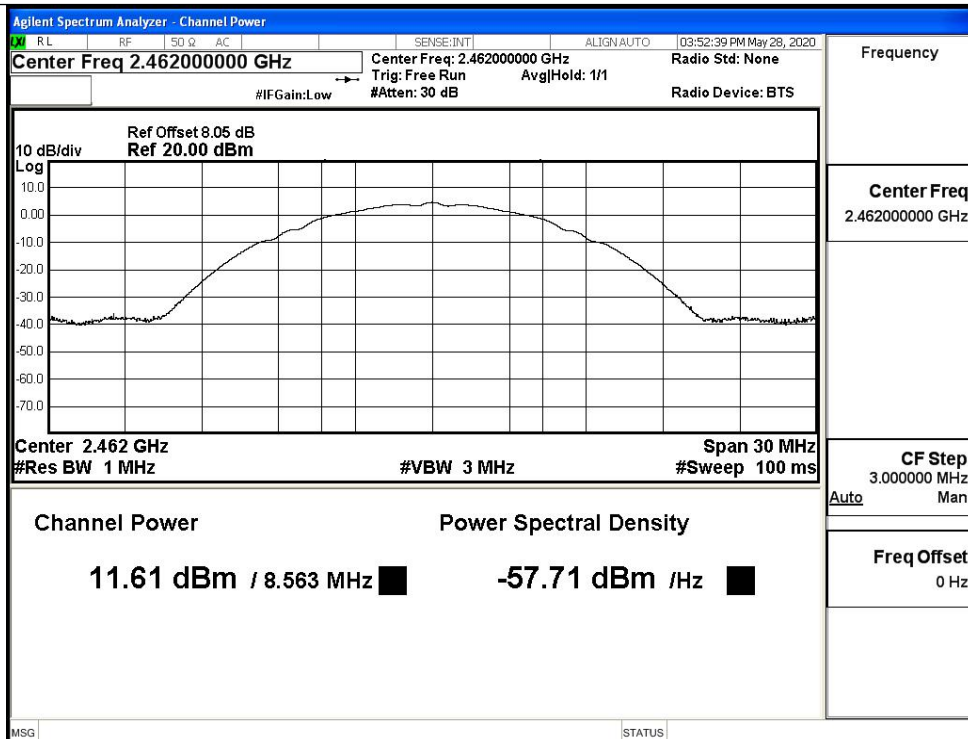
11B/LCH



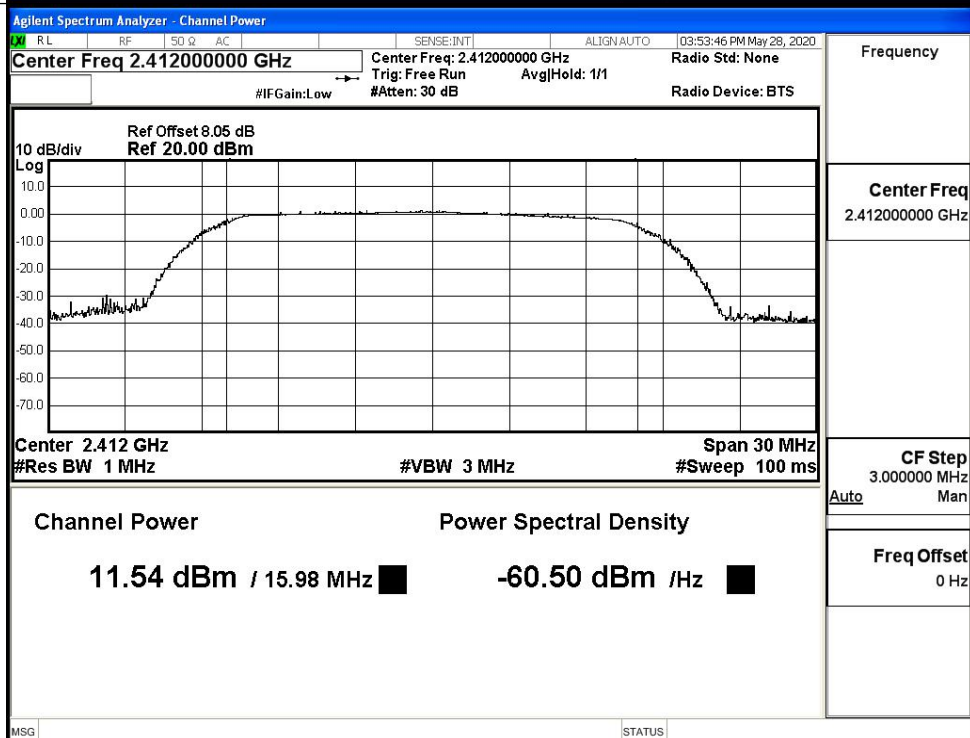
11B/MCH



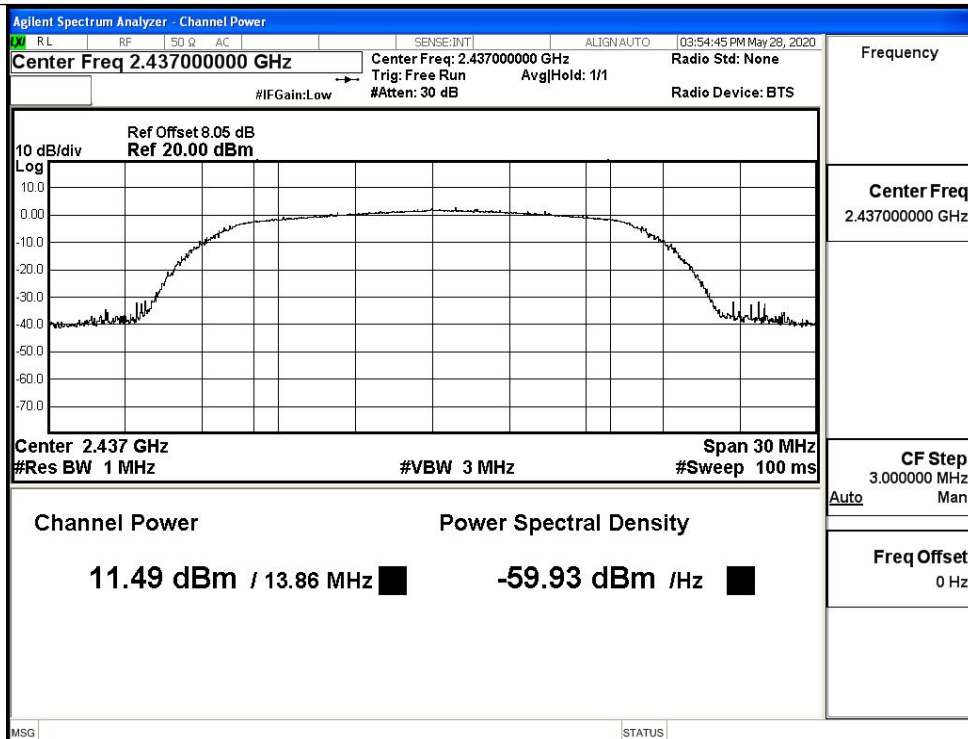
11B/HCH



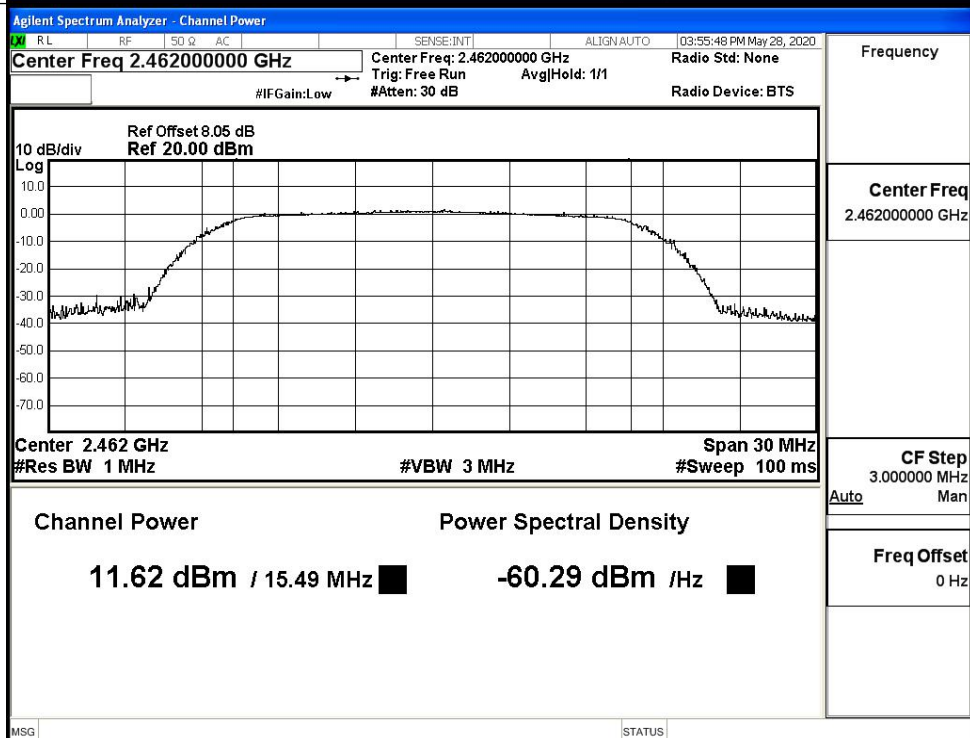
11G/LCH



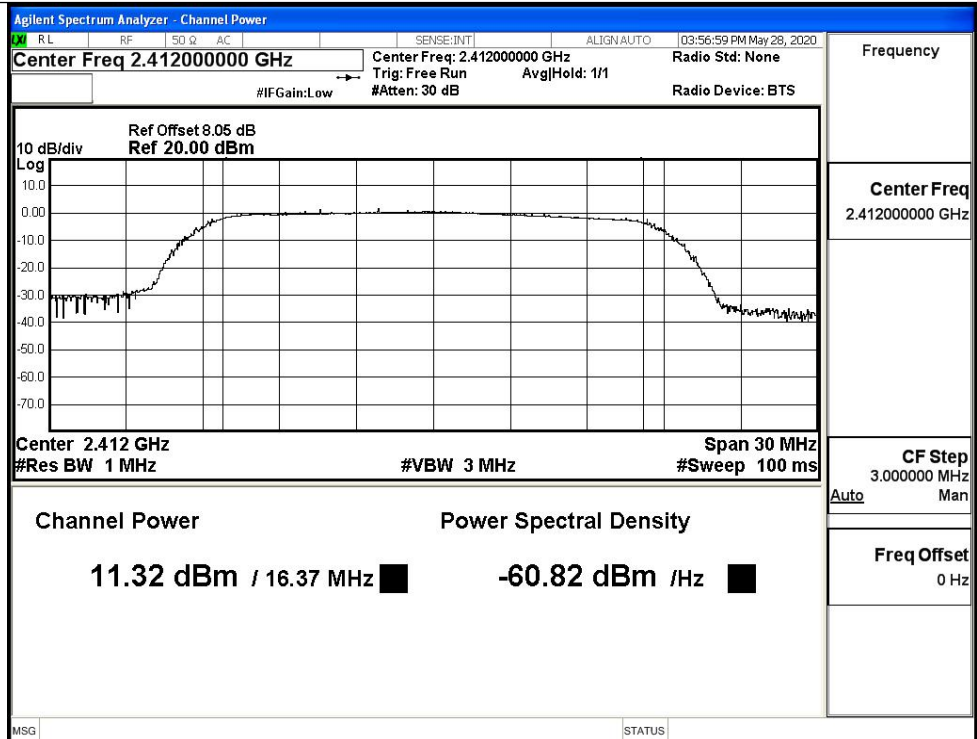
11G/MCH



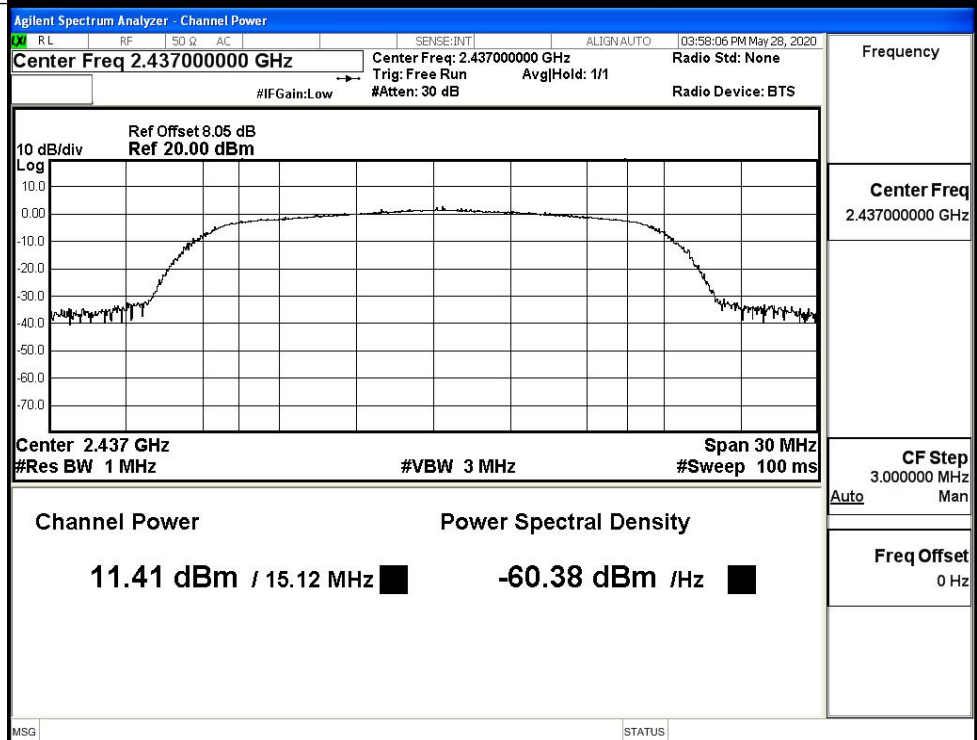
11G/HCH

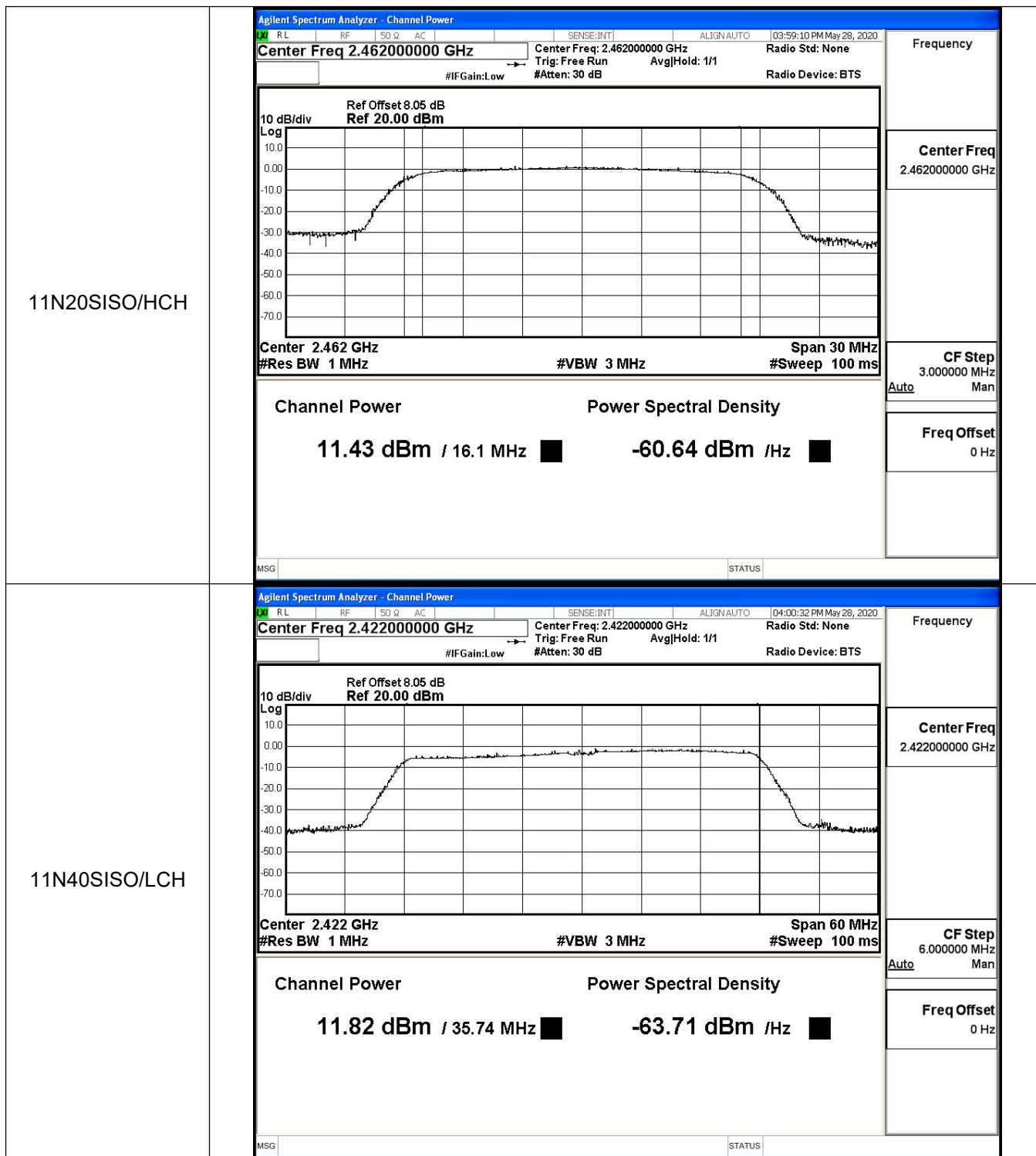


11N20SISO/LCH

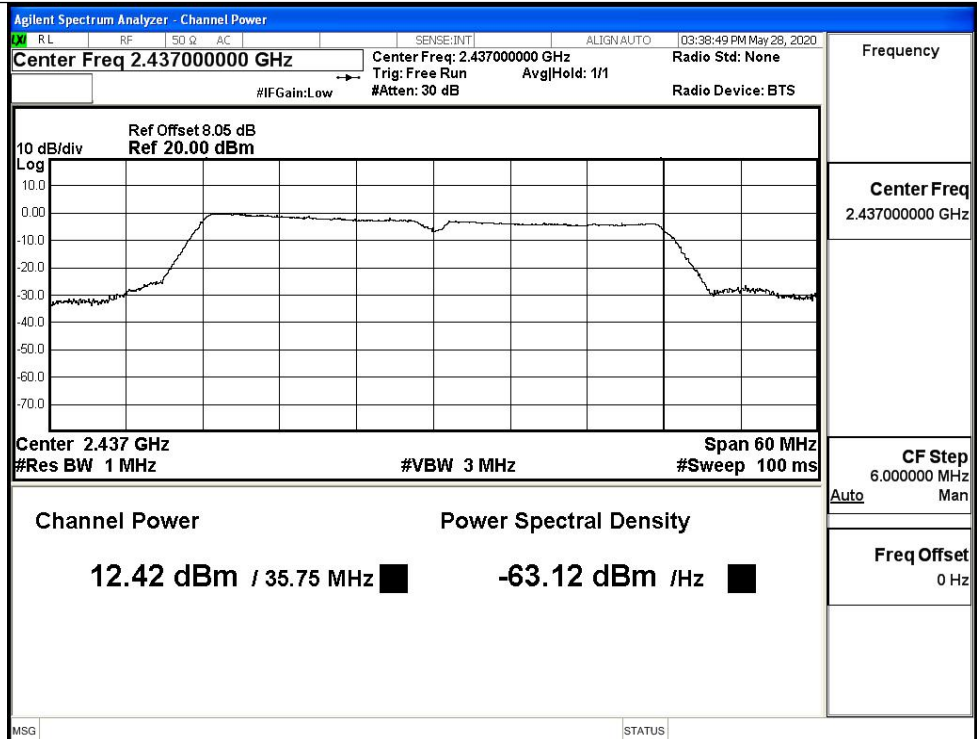


11N20SISO/MCH

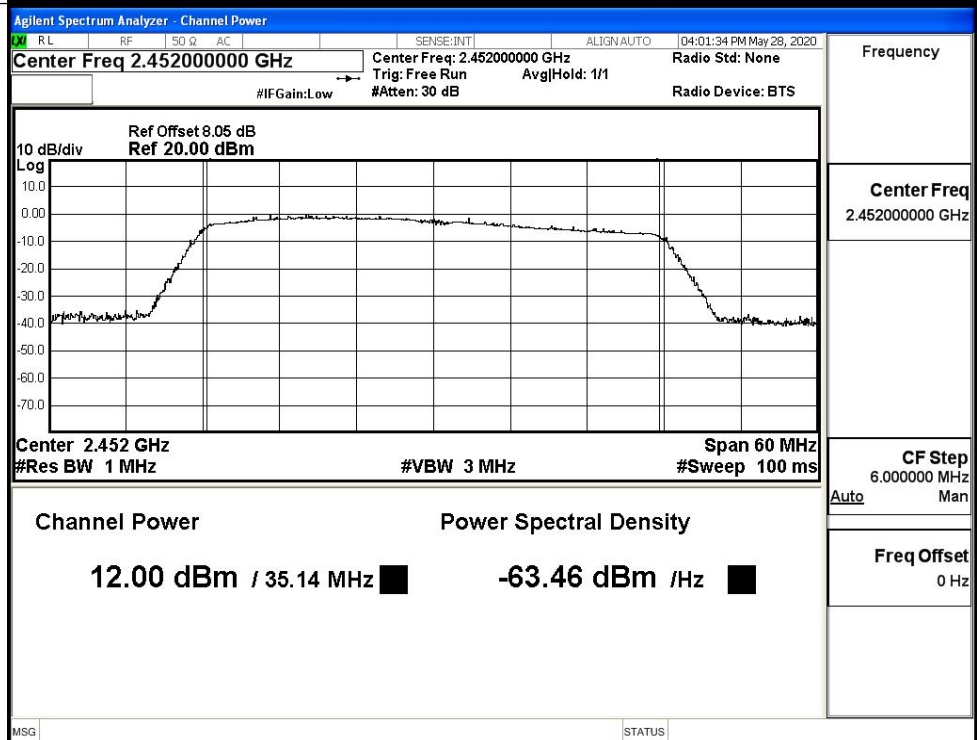




11N40SISO/MCH



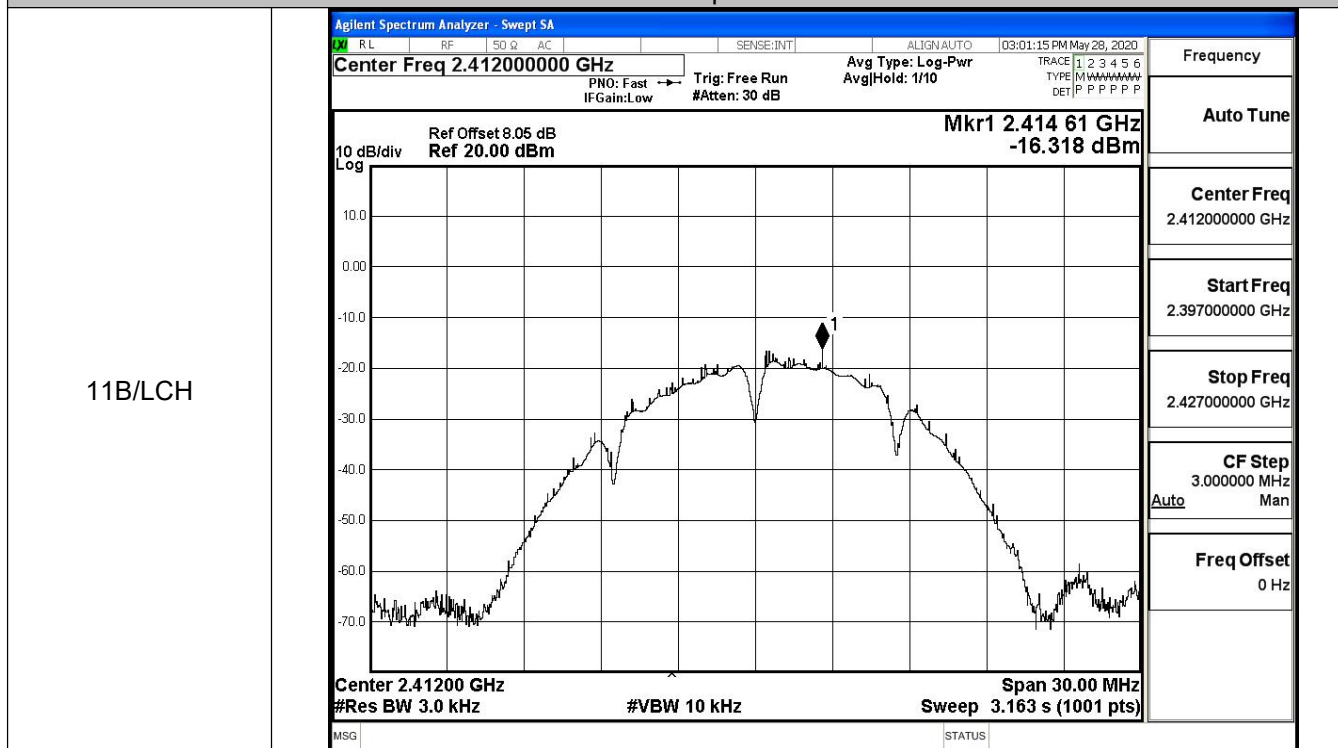
11N40SISO/HCH



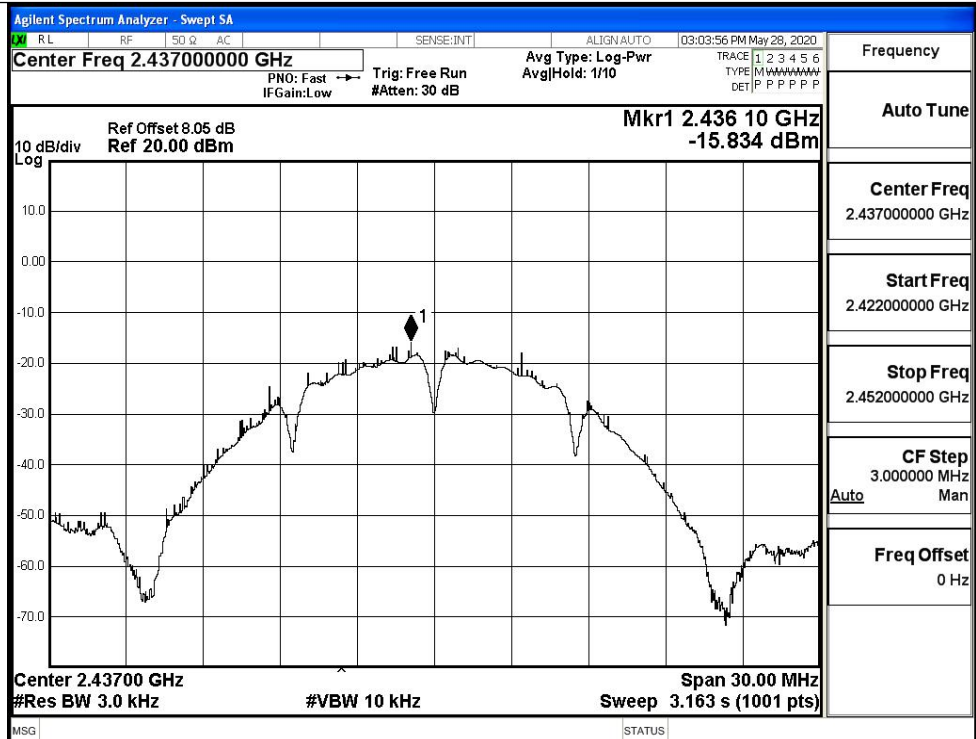
C.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-16.318	8	PASS
	MCH	-15.834	8	PASS
	HCH	-15.691	8	PASS
11G	LCH	-20.618	8	PASS
	MCH	-21.850	8	PASS
	HCH	-21.147	8	PASS
11N20SISO	LCH	-21.325	8	PASS
	MCH	-21.485	8	PASS
	HCH	-21.362	8	PASS
11N40SISO	LCH	-22.215	8	PASS
	MCH	-23.398	8	PASS
	HCH	-24.184	8	PASS

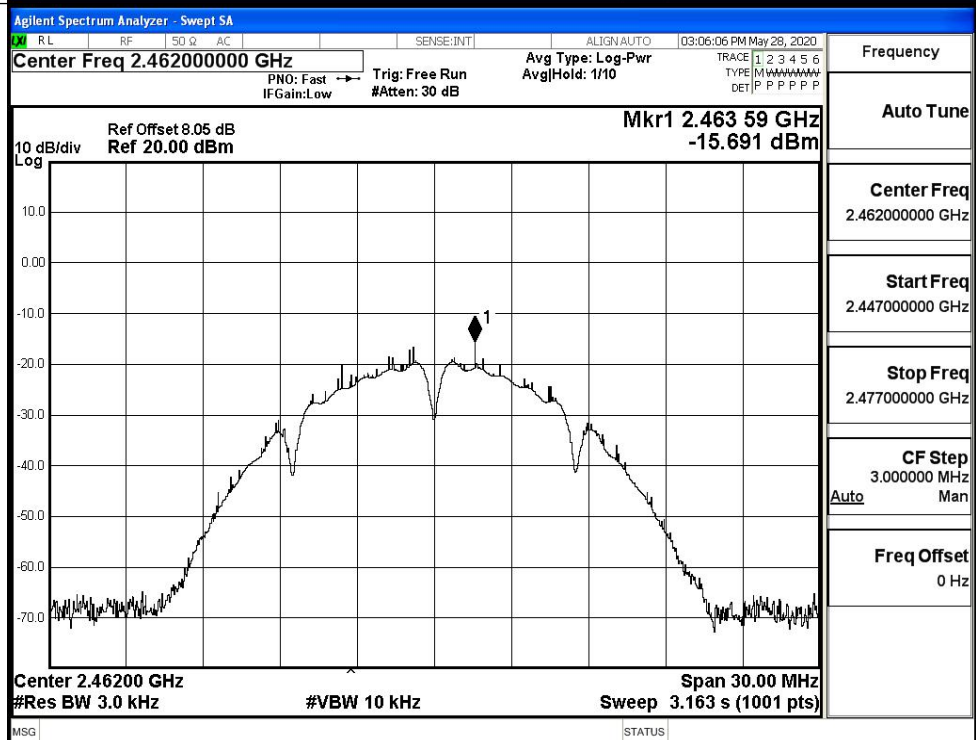
Test Graphs



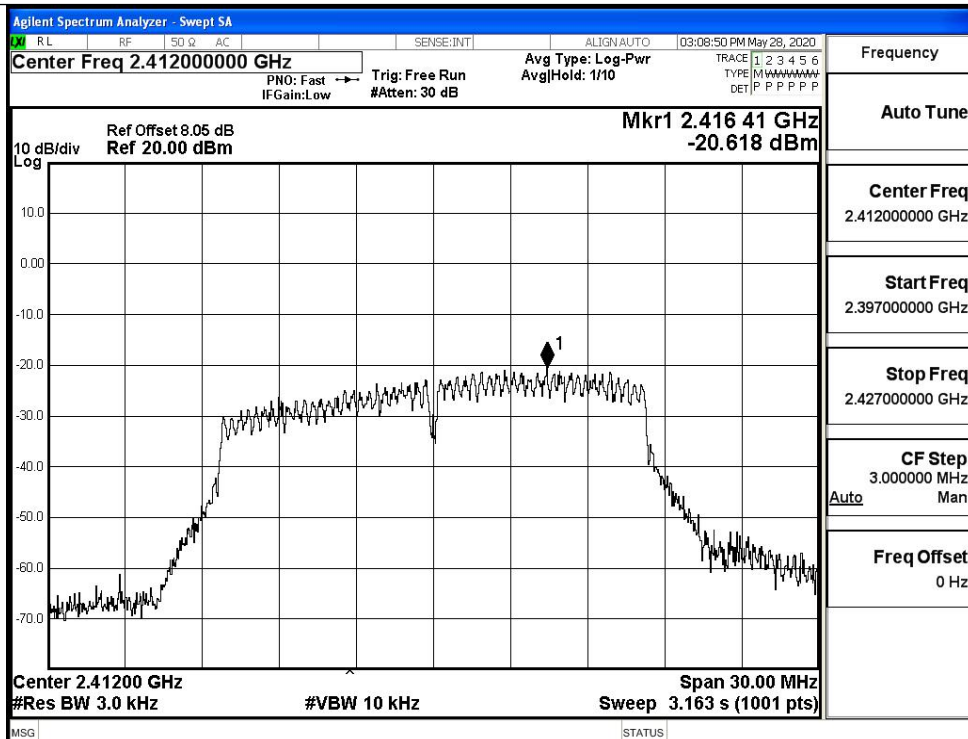
11B/MCH



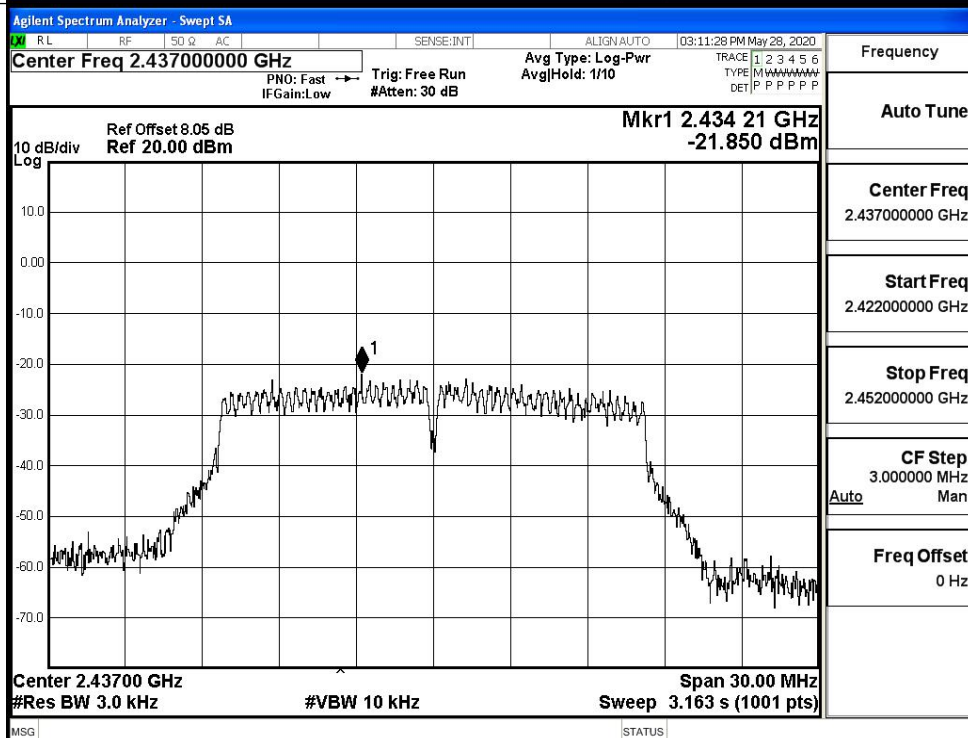
11B/HCH



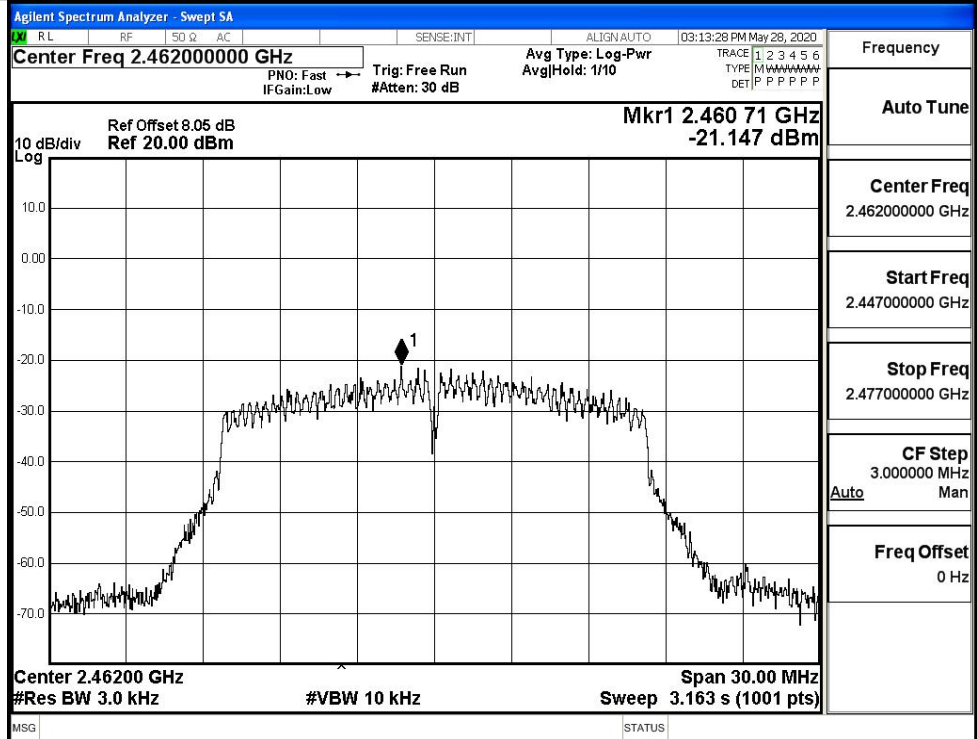
11G/LCH



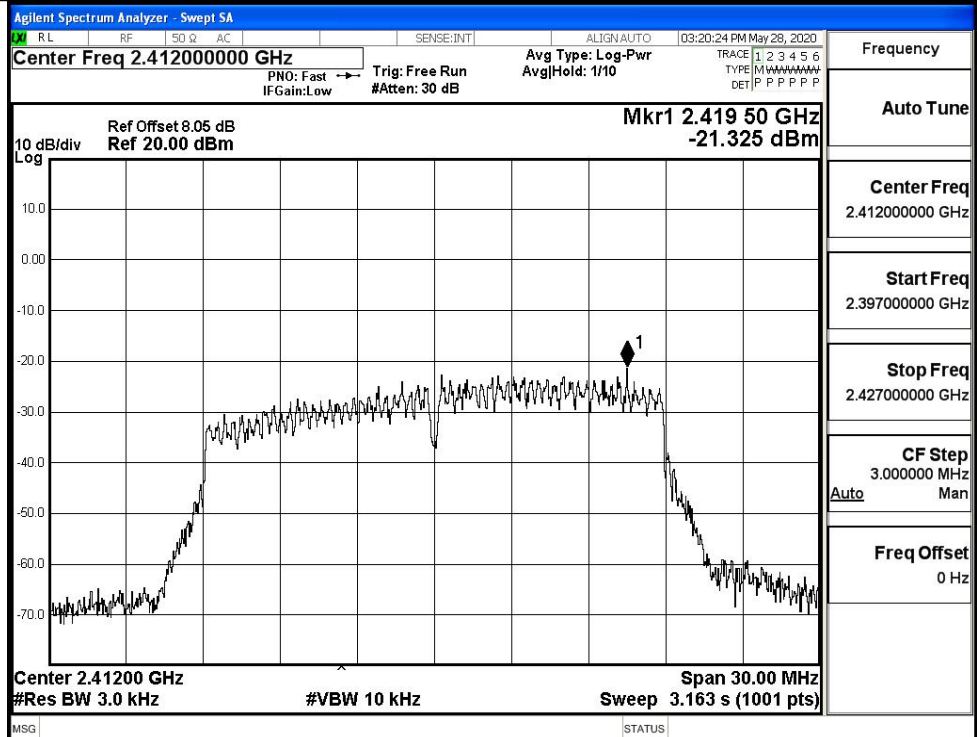
11G/MCH



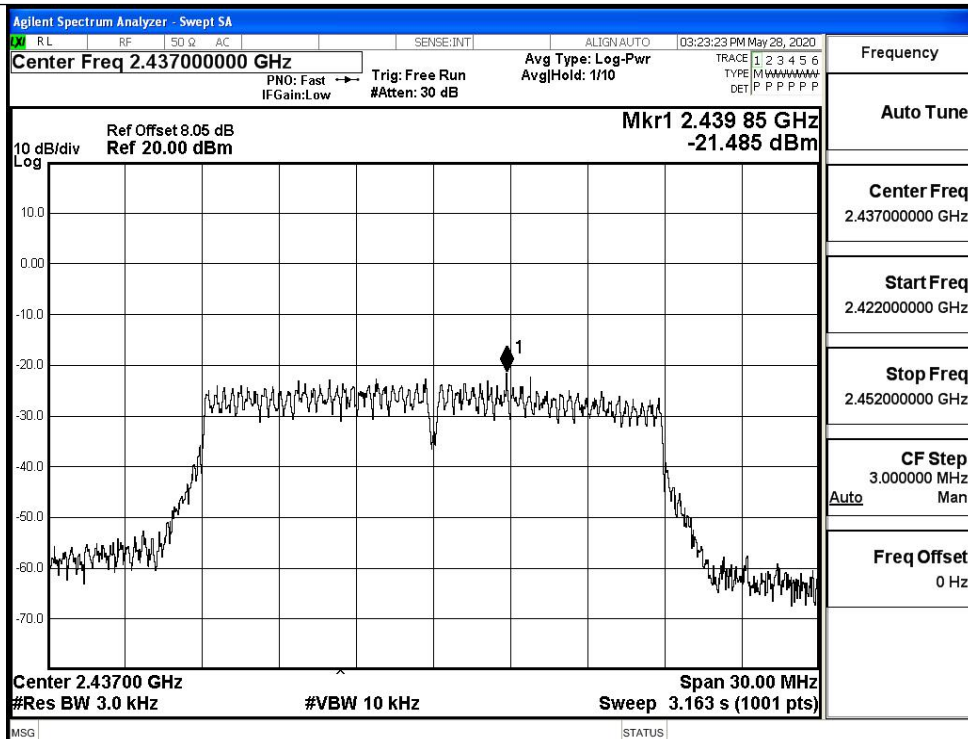
11G/HCH



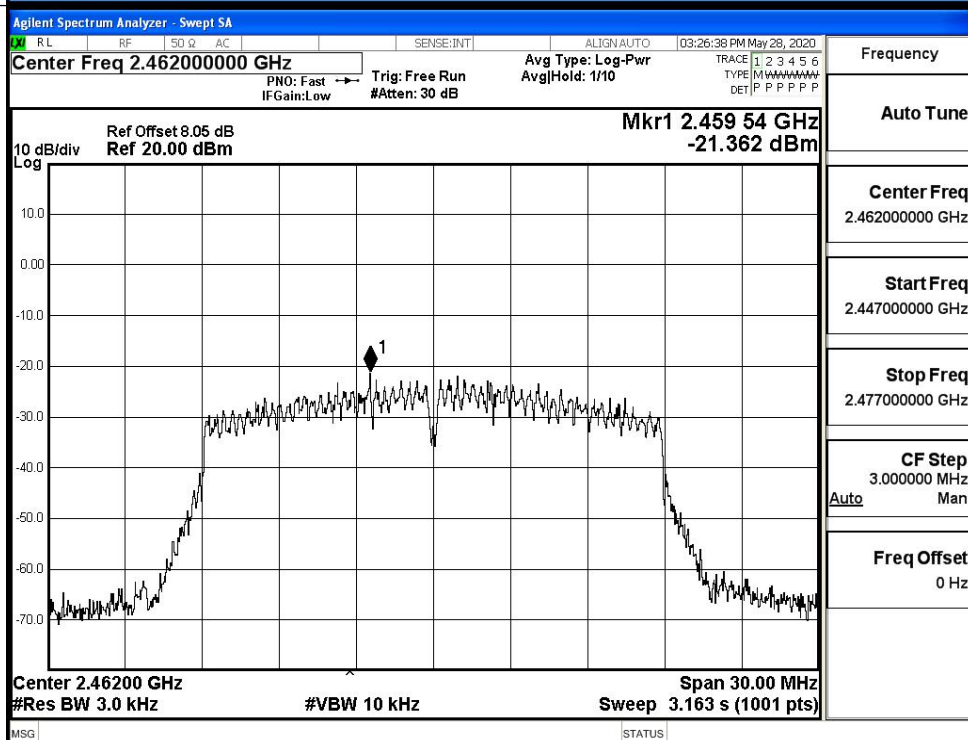
11N20SISO/LCH



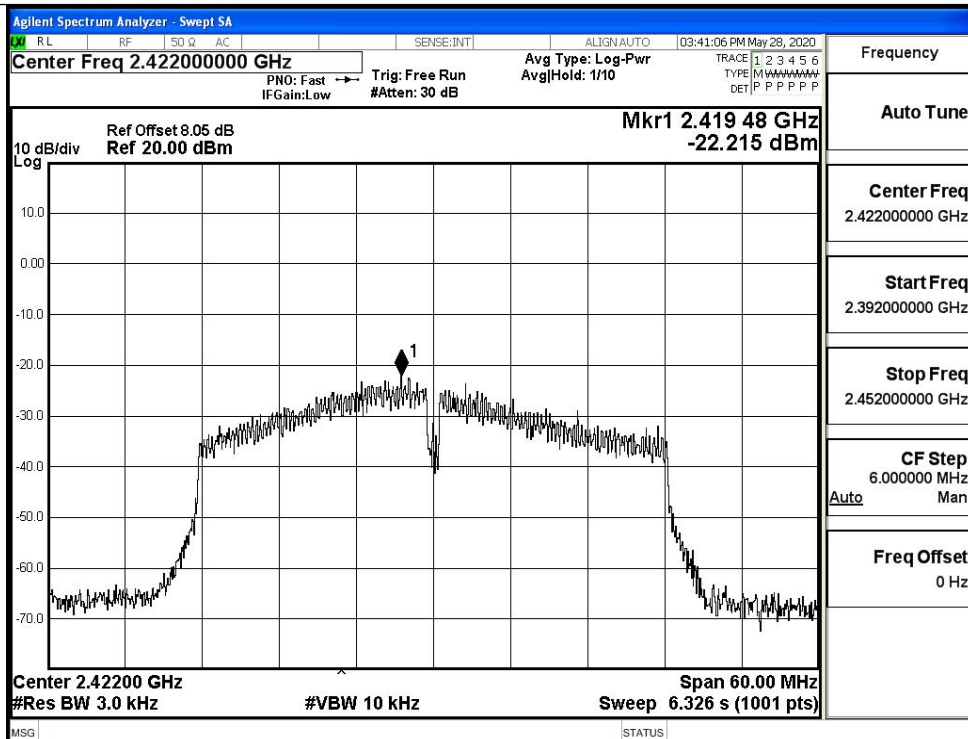
11N20SISO/MCH



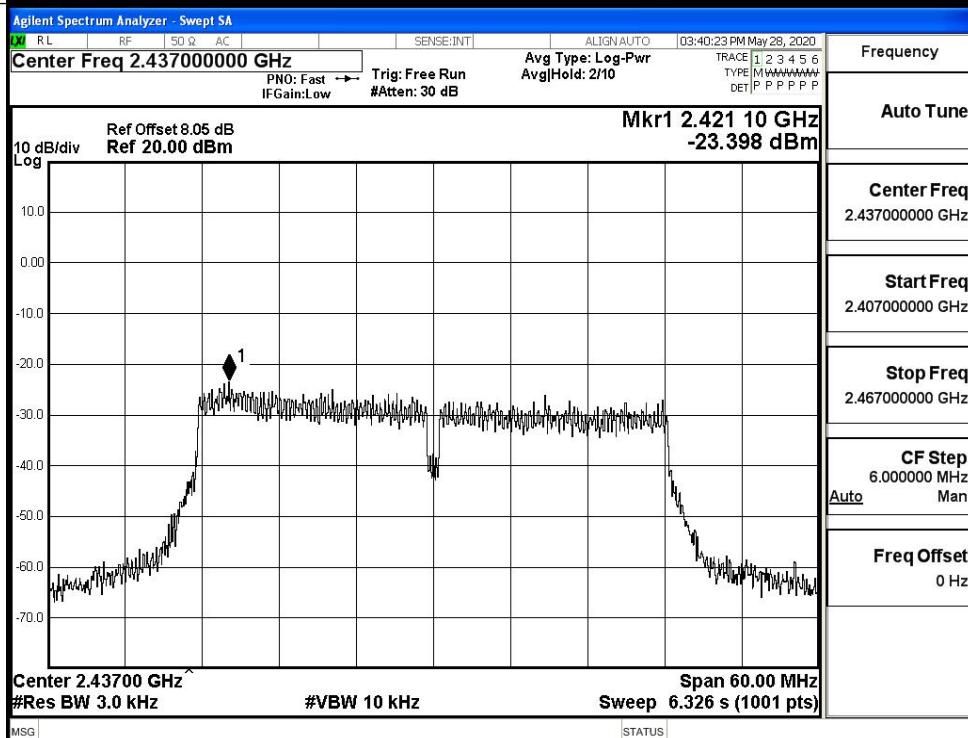
11N20SISO/HCH



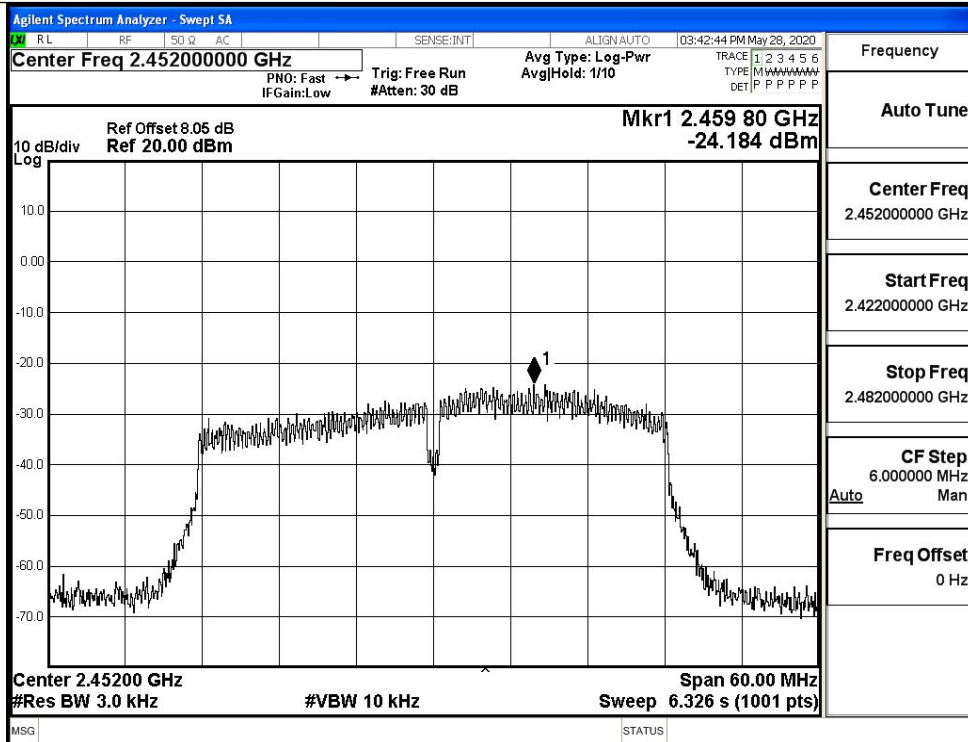
11N40SISO/LCH



11N40SISO/MCH



11N40SISO/HCH

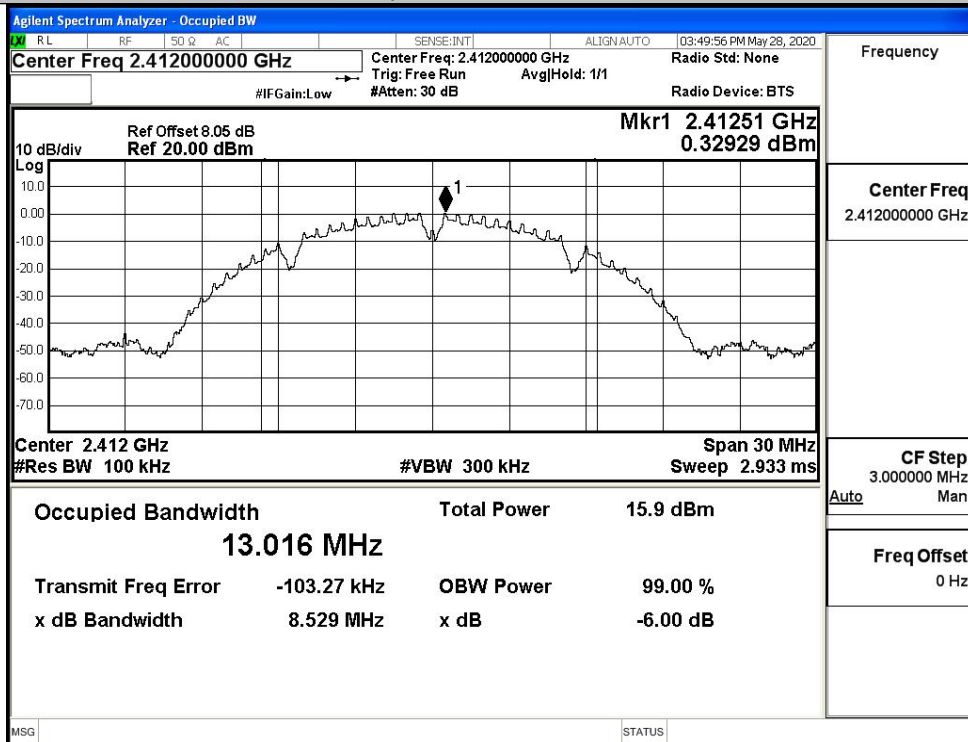


C.4 6dB Bandwidth

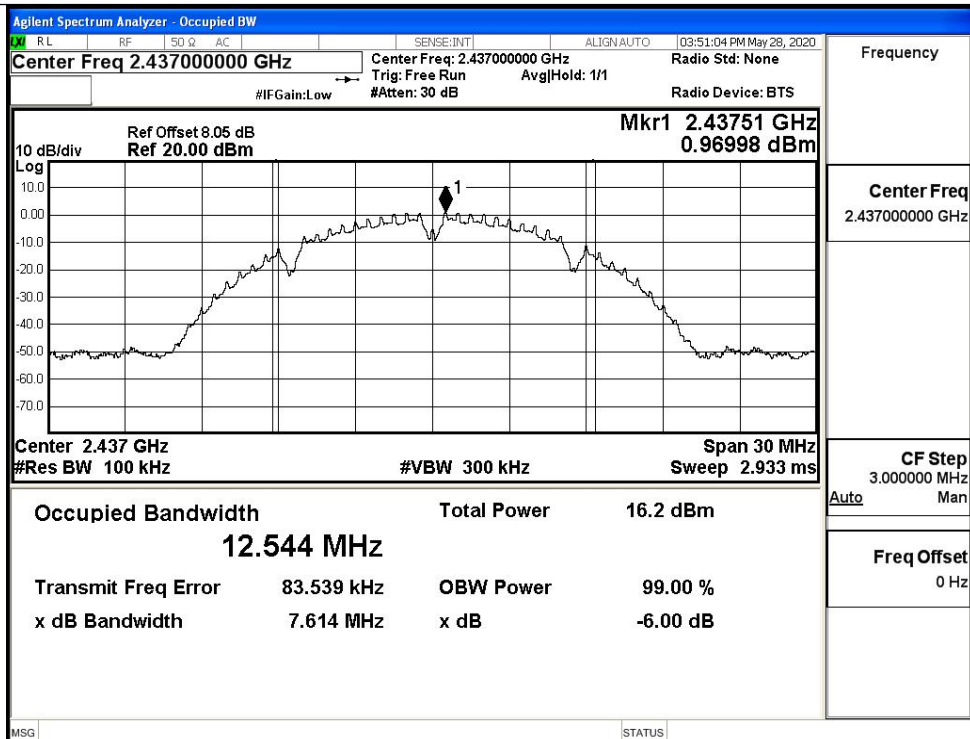
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.529	≥ 0.5	PASS
	MCH	7.614	≥ 0.5	PASS
	HCH	8.563	≥ 0.5	PASS
11G	LCH	15.98	≥ 0.5	PASS
	MCH	13.86	≥ 0.5	PASS
	HCH	15.49	≥ 0.5	PASS
11N20SISO	LCH	16.37	≥ 0.5	PASS
	MCH	15.12	≥ 0.5	PASS
	HCH	16.10	≥ 0.5	PASS
11N40SISO	LCH	35.74	≥ 0.5	PASS
	MCH	35.75	≥ 0.5	PASS
	HCH	35.14	≥ 0.5	PASS

Test Graphs

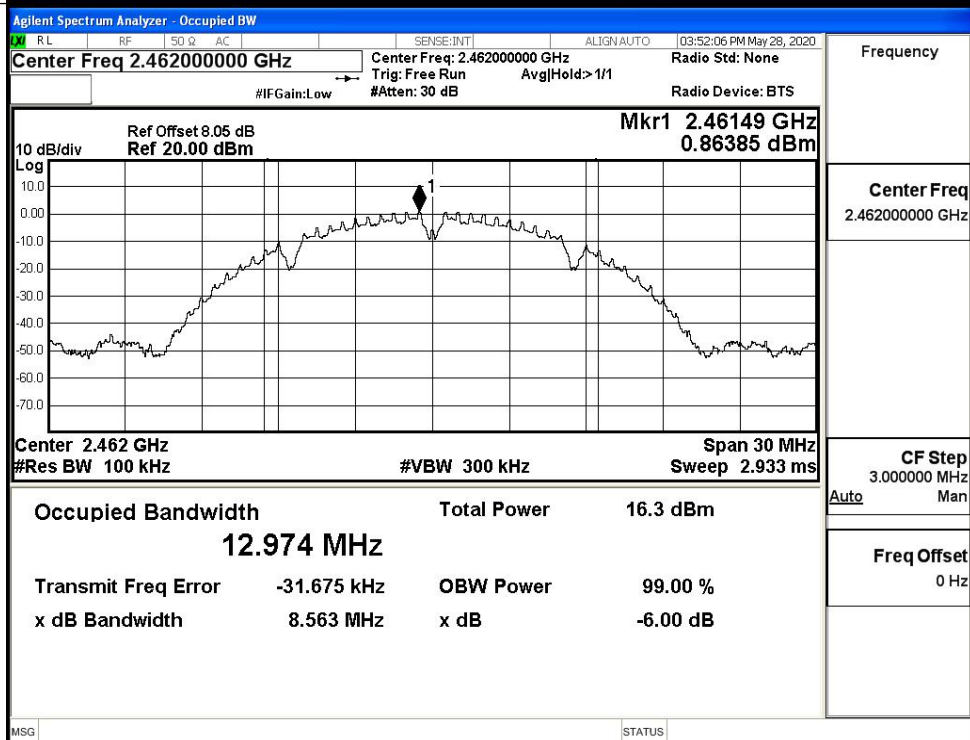
11B/LCH



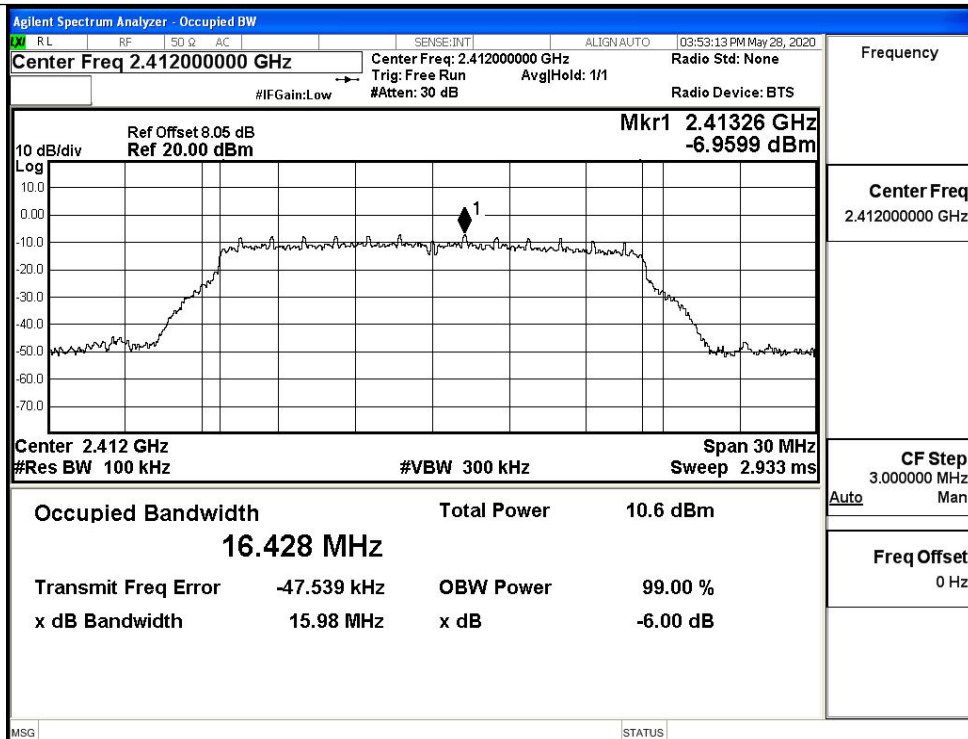
11B/MCH



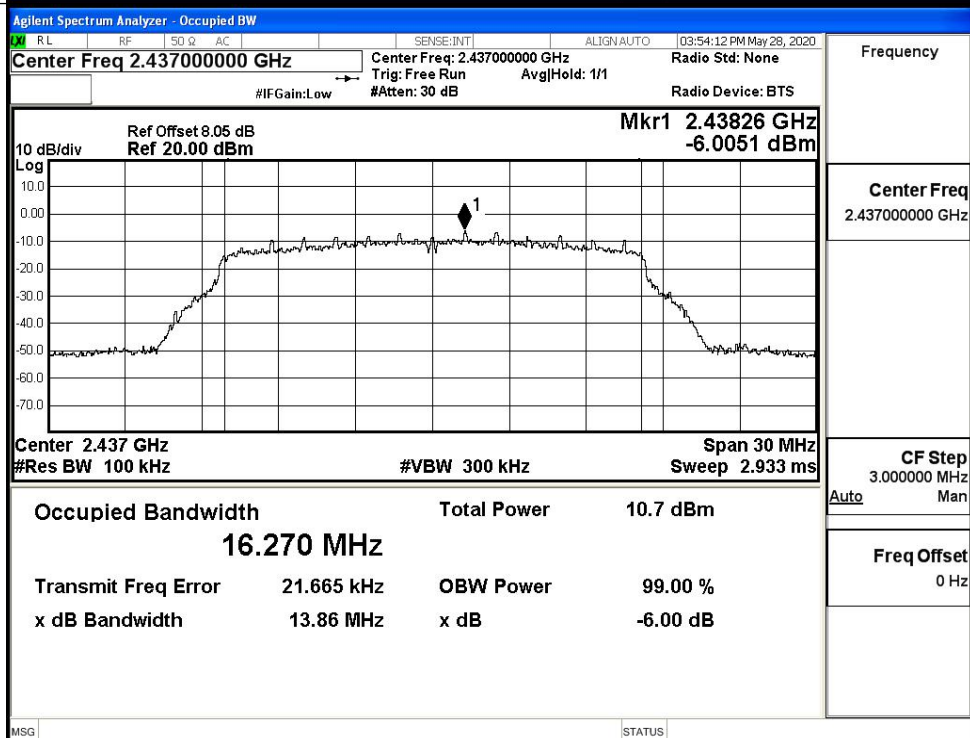
11B/HCH



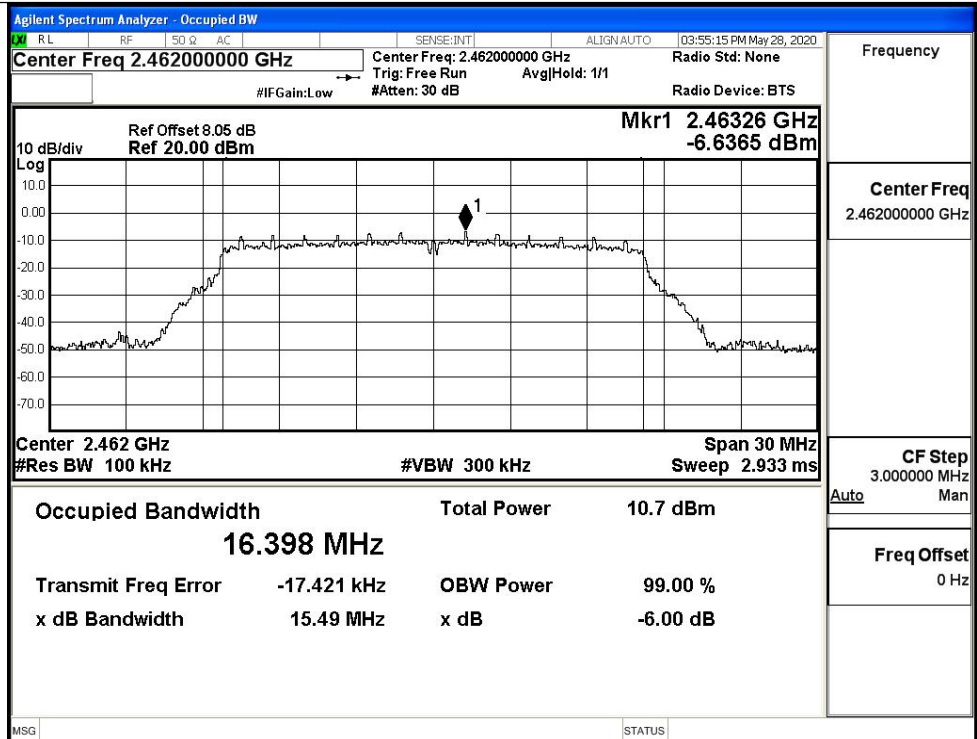
11G/LCH



11G/MCH



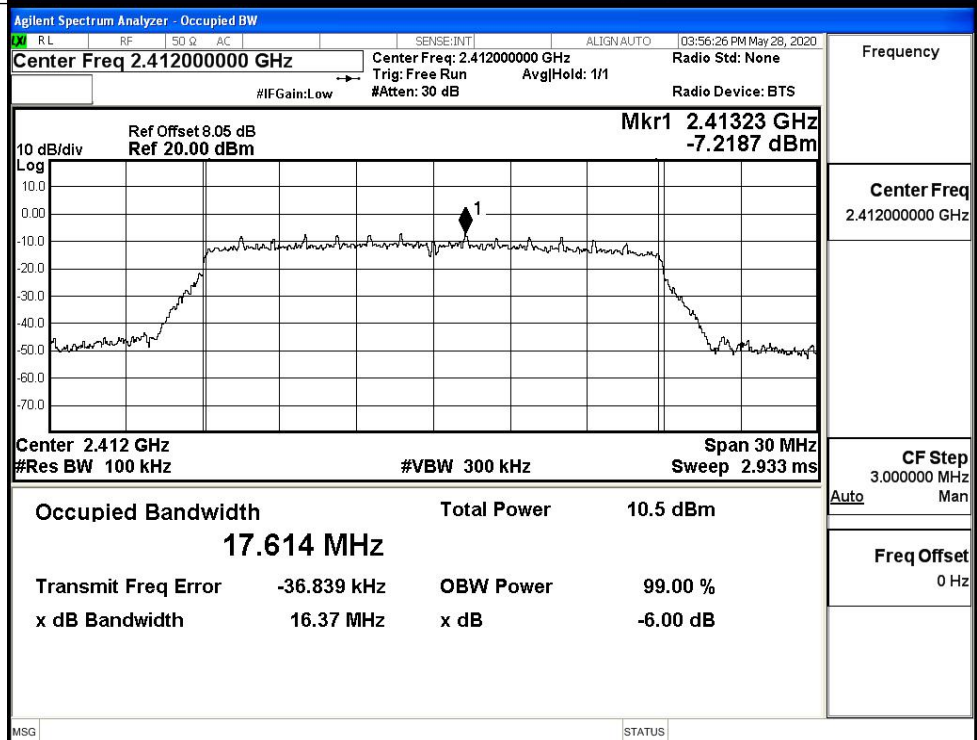
11G/HCH



Frequency

Center Freq
2.462000000 GHzCF Step
3.000000 MHz
Auto ManFreq Offset
0 Hz

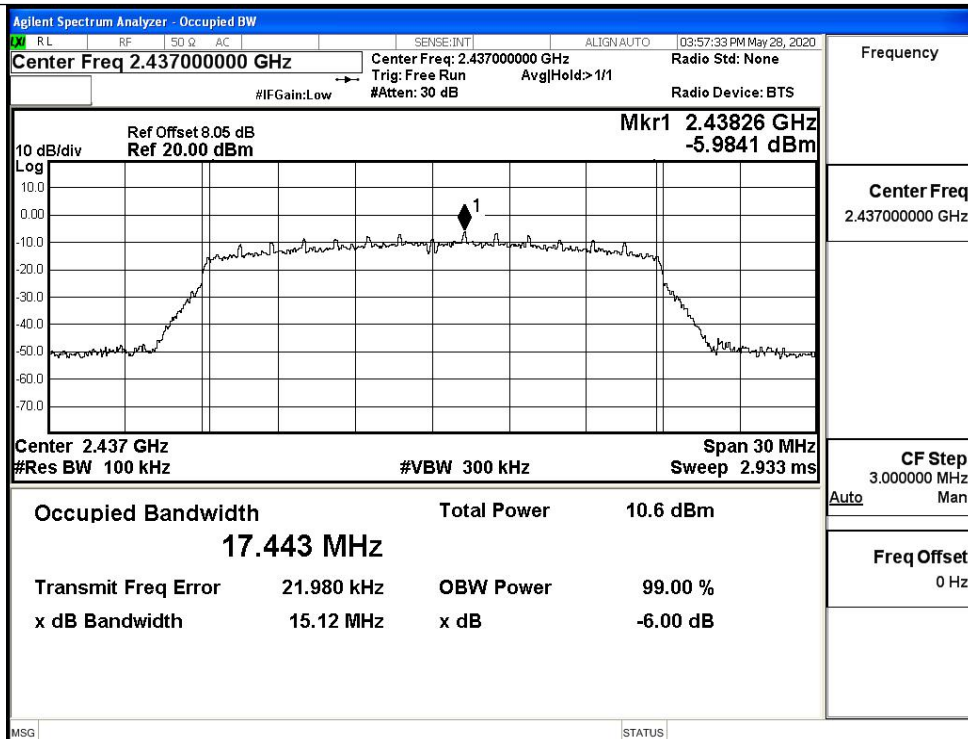
11N20SISO/LCH



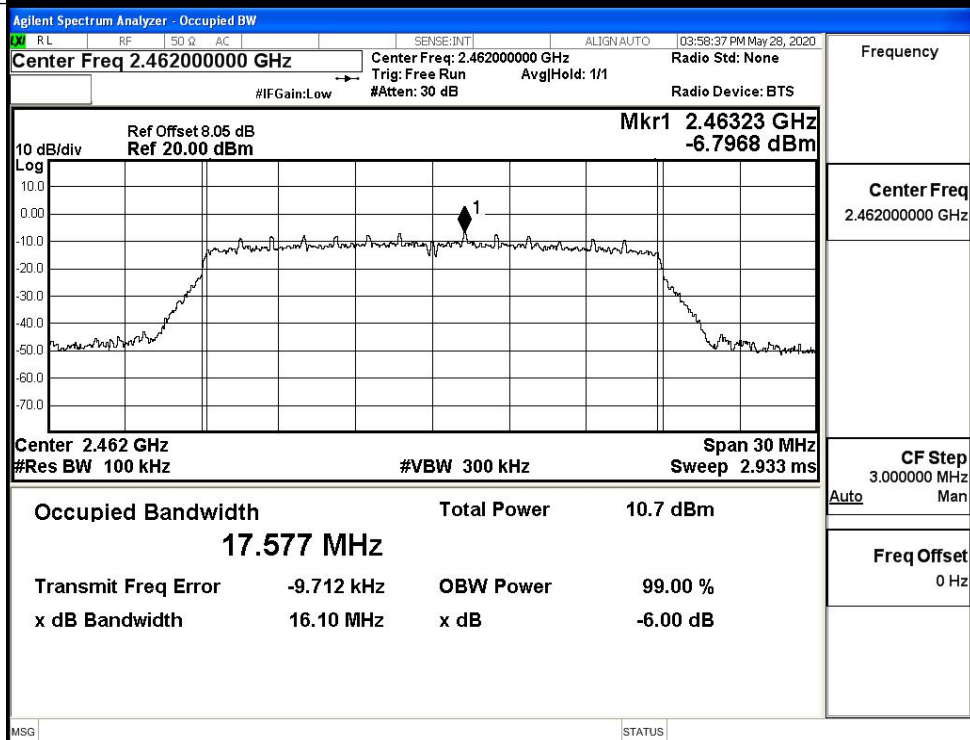
Frequency

Center Freq
2.412000000 GHzCF Step
3.000000 MHz
Auto ManFreq Offset
0 Hz

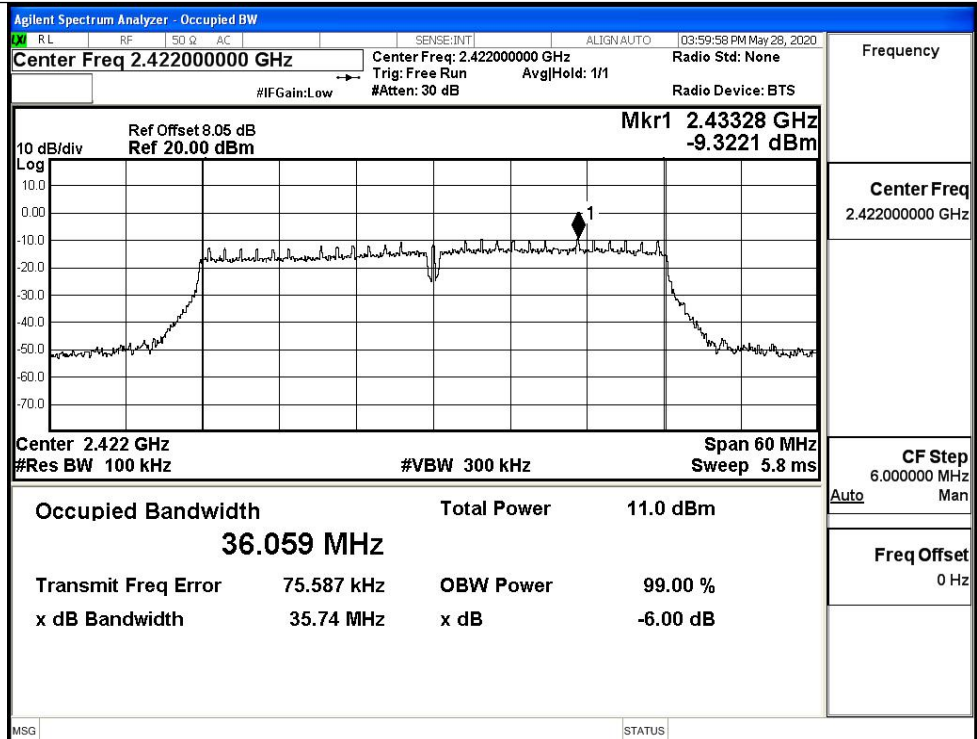
11N20SISO/MCH



11N20SISO/HCH



11N40SISO/LCH



11N40SISO/MCH

