

Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Wireless FHD Camera

Trade Mark: CasaCam

Test Model: VC2000

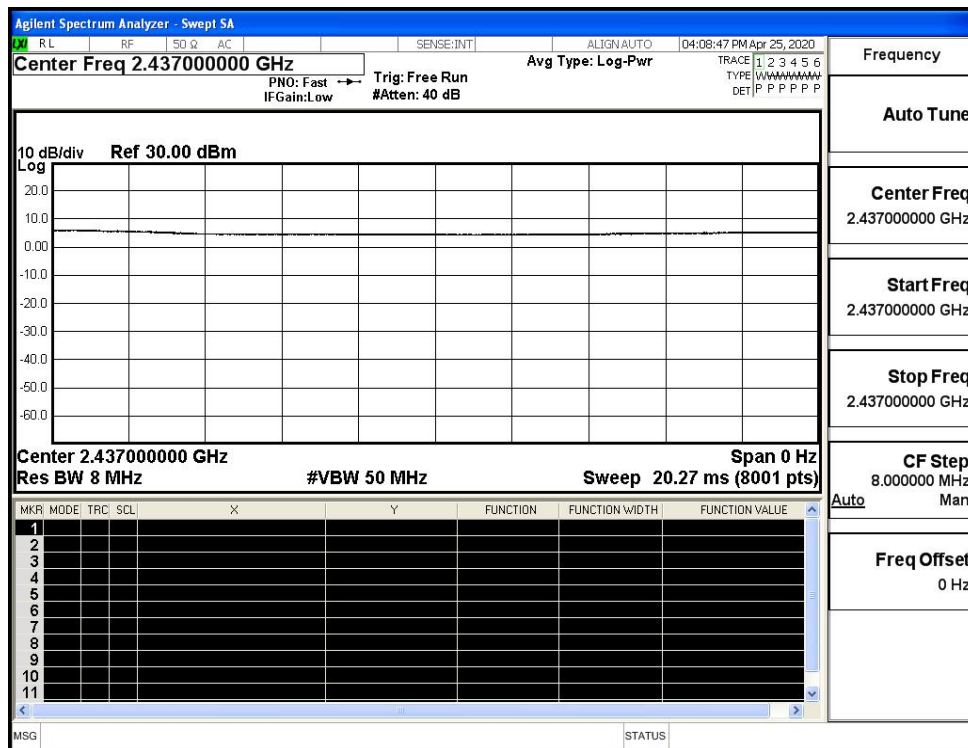
Environmental Conditions

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

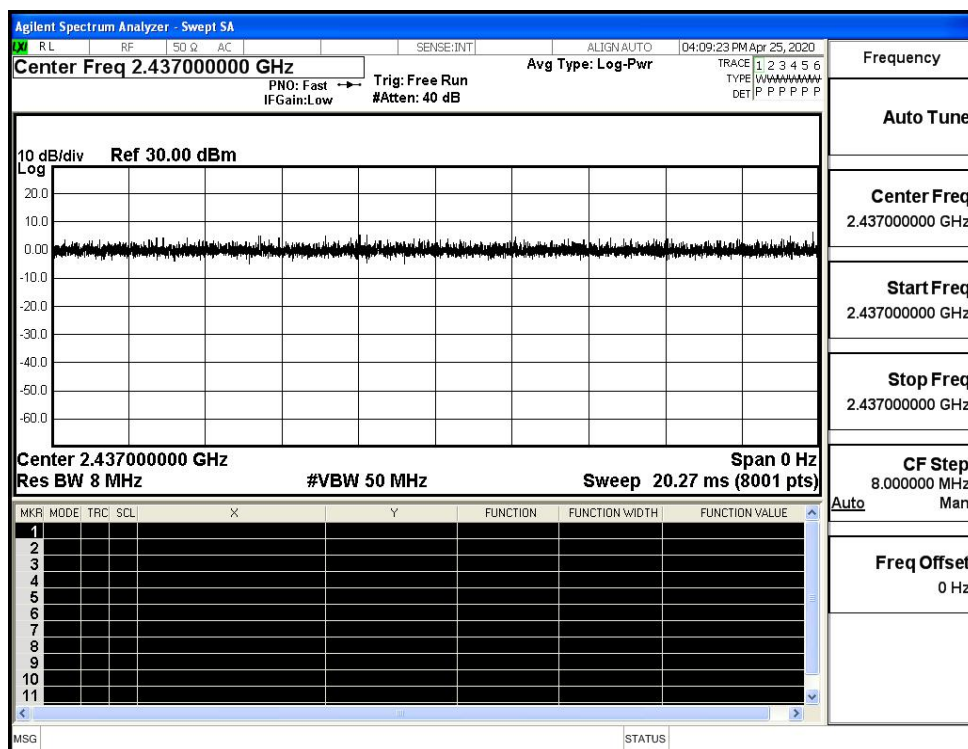
A.1 Duty Cycle

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

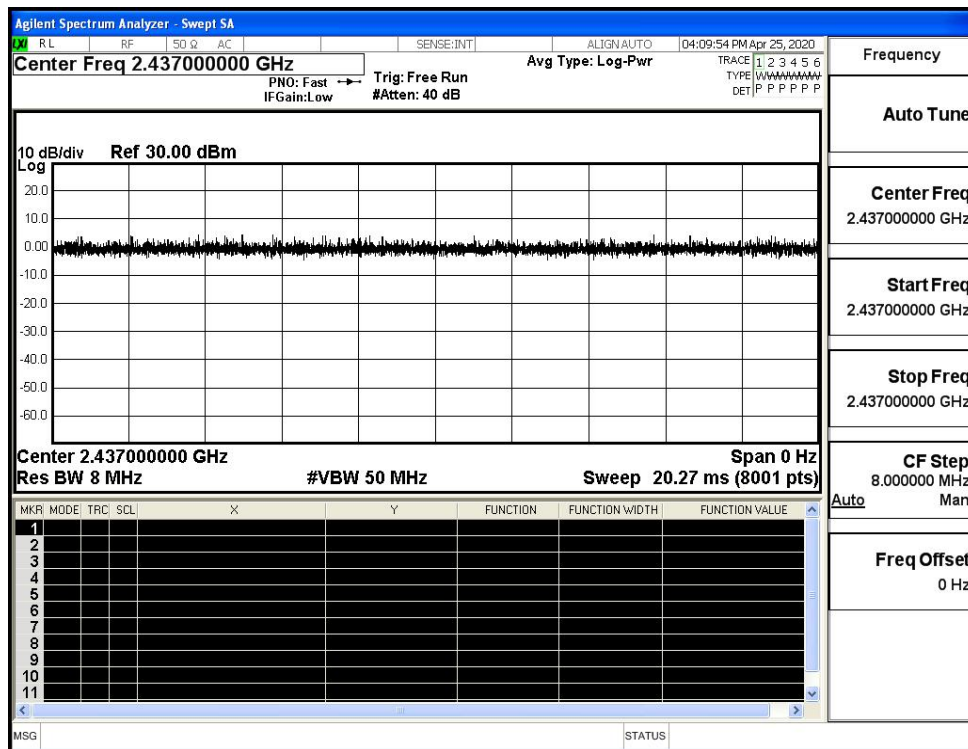
Duty Cycle_11B_2437_Ant1



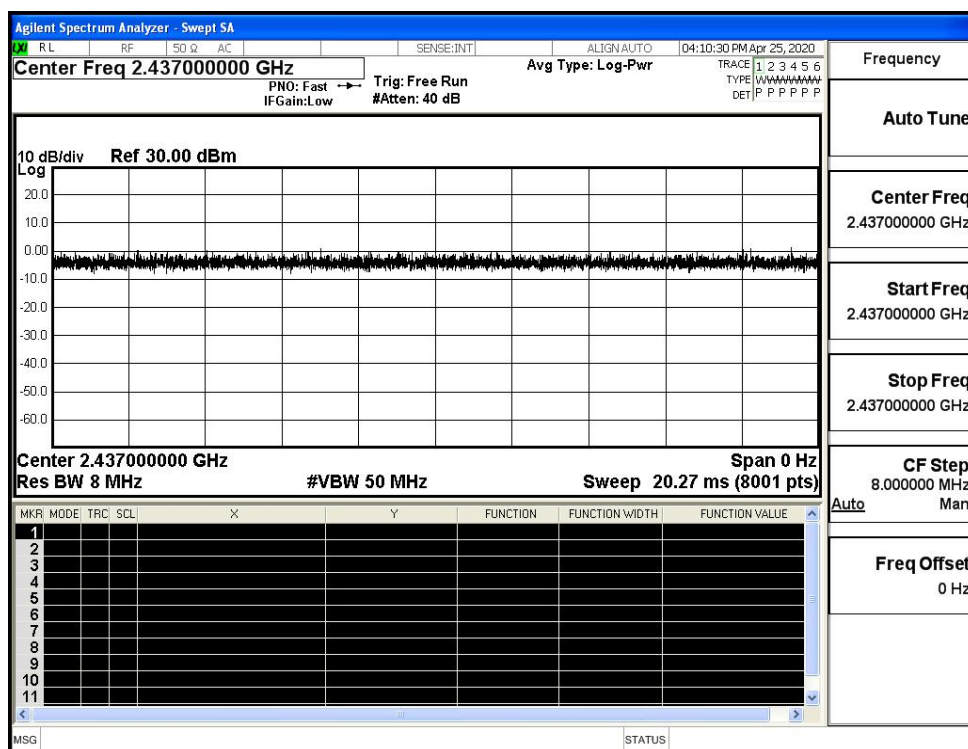
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1

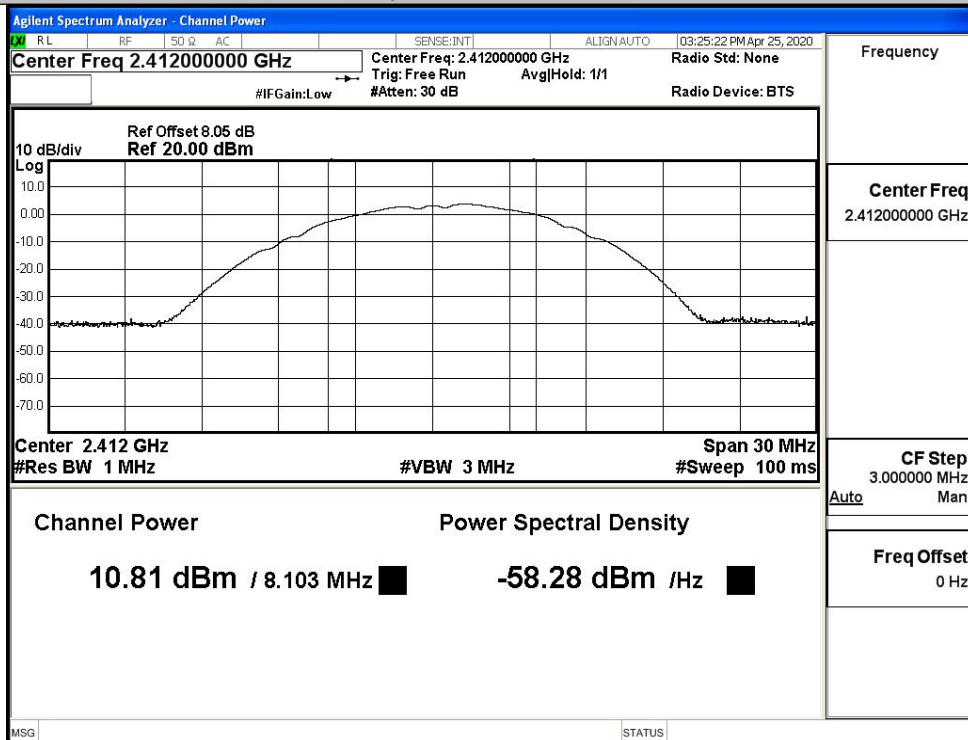


A.2 Maximum Conducted Output Power

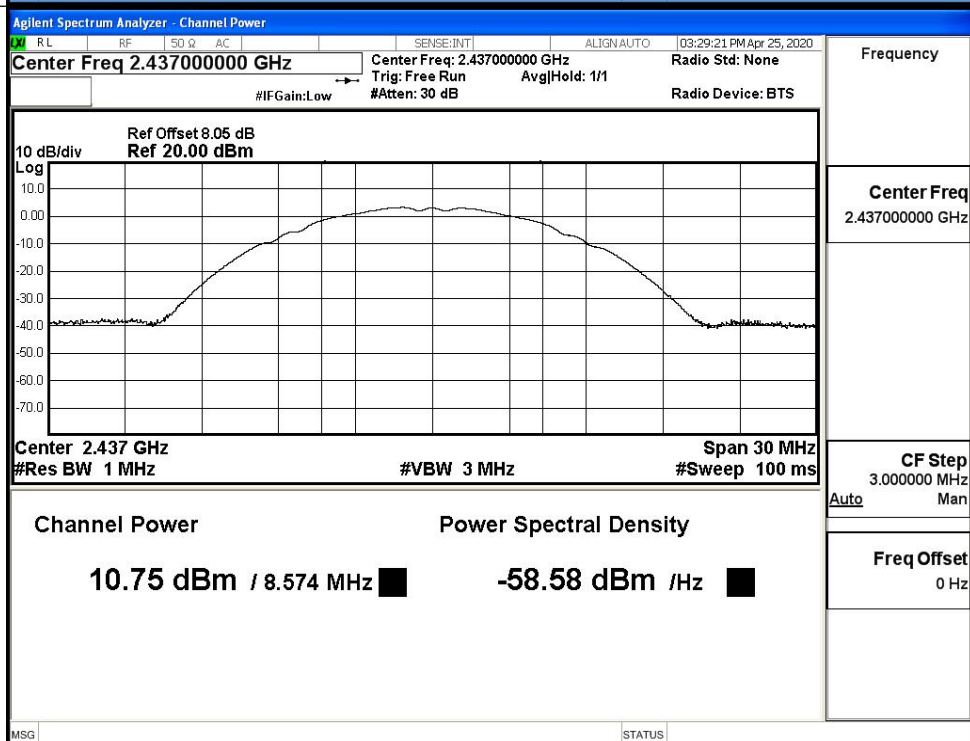
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	10.81	30	PASS
	MCH	10.75	30	PASS
	HCH	10.82	30	PASS
11G	LCH	10.53	30	PASS
	MCH	10.41	30	PASS
	HCH	11.64	30	PASS
11N20SISO	LCH	11.03	30	PASS
	MCH	9.37	30	PASS
	HCH	11.42	30	PASS
11N40SISO	LCH	13.16	30	PASS
	MCH	13.08	30	PASS
	HCH	12.55	30	PASS

Test Graphs

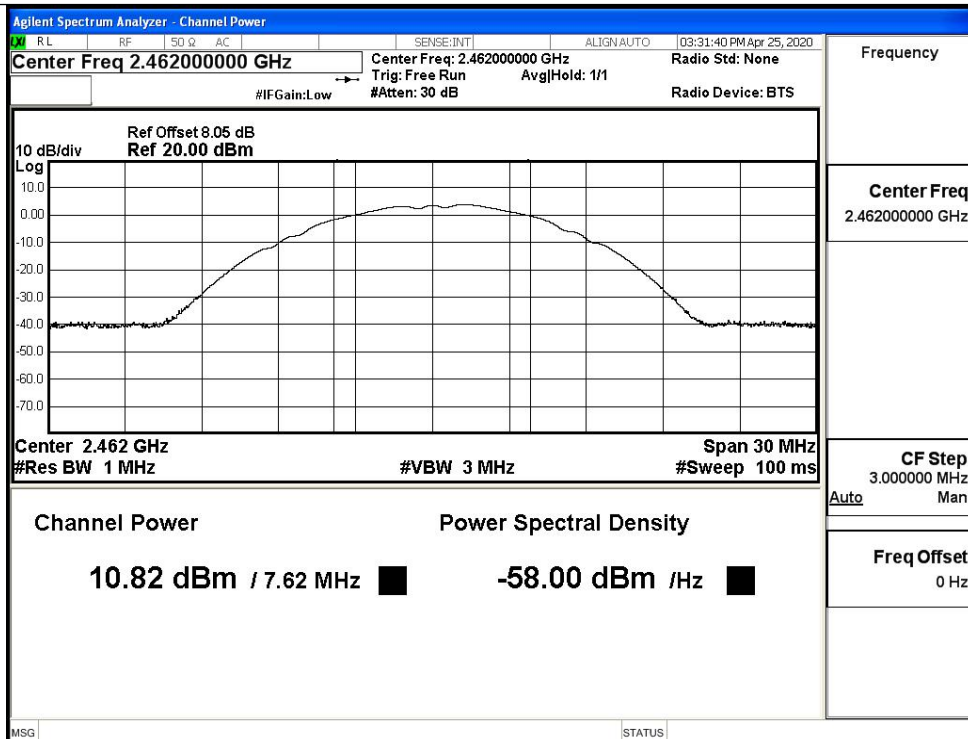
11B/LCH



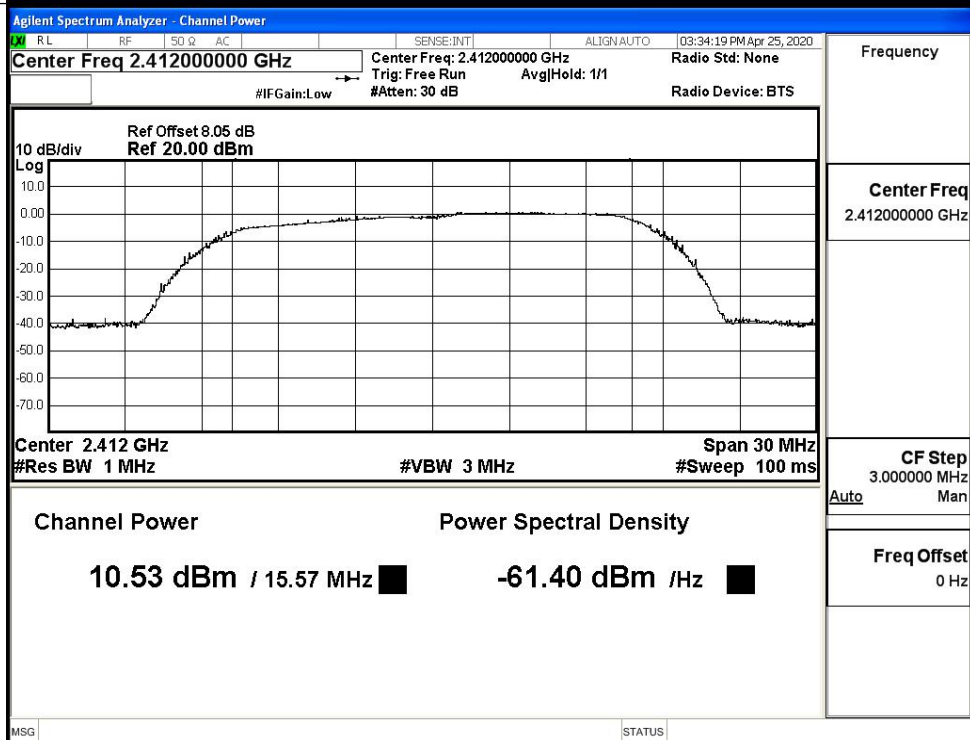
11B/MCH



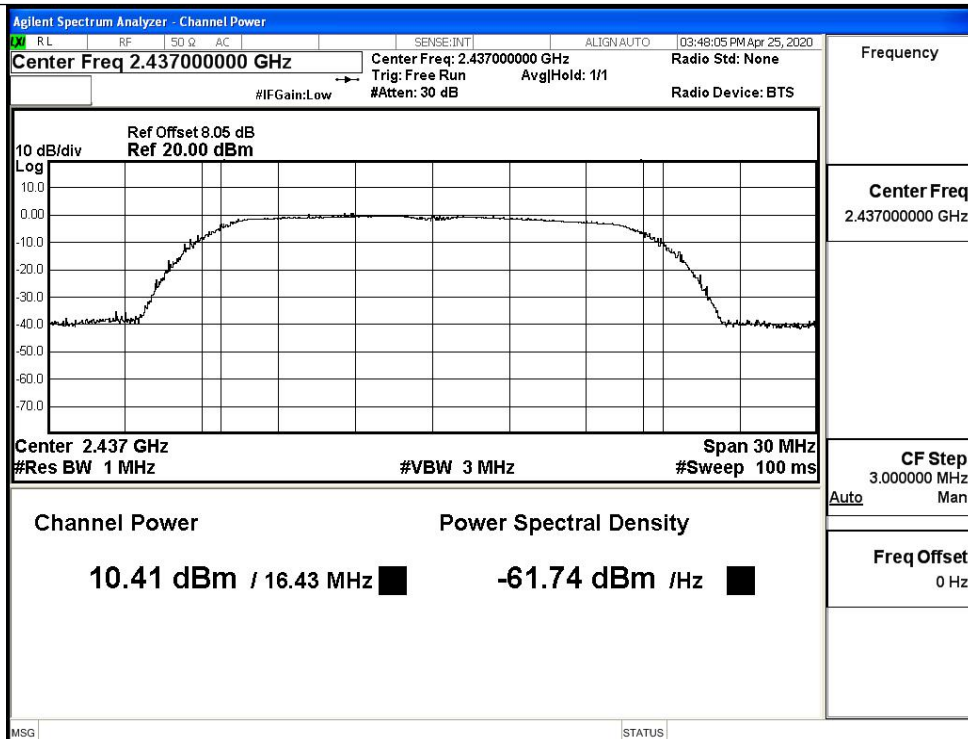
11B/HCH



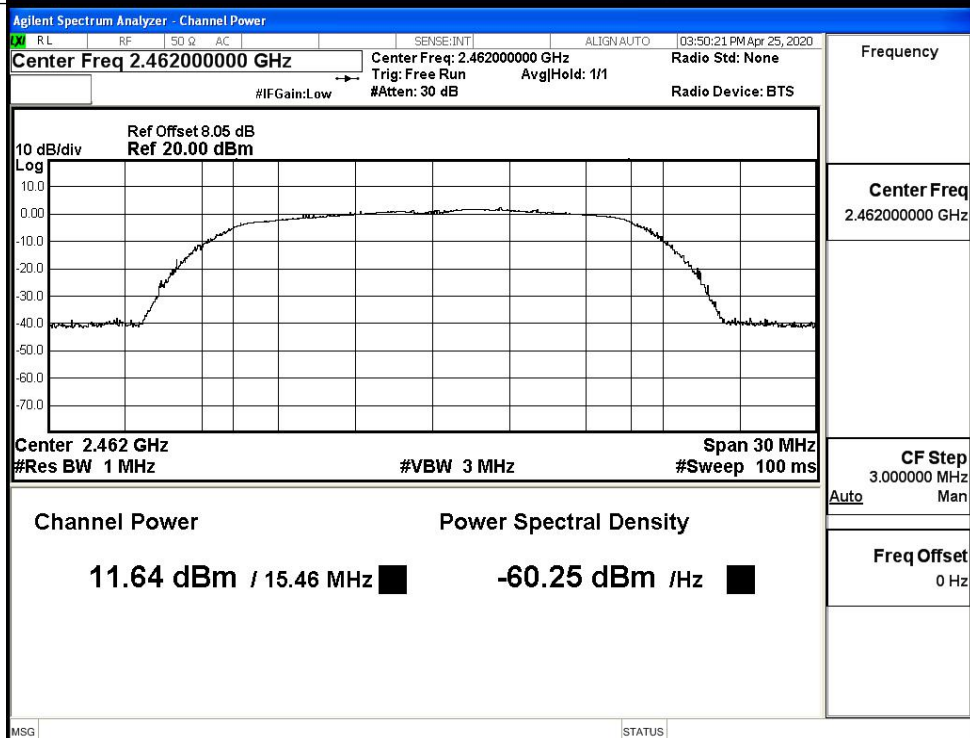
11G/LCH



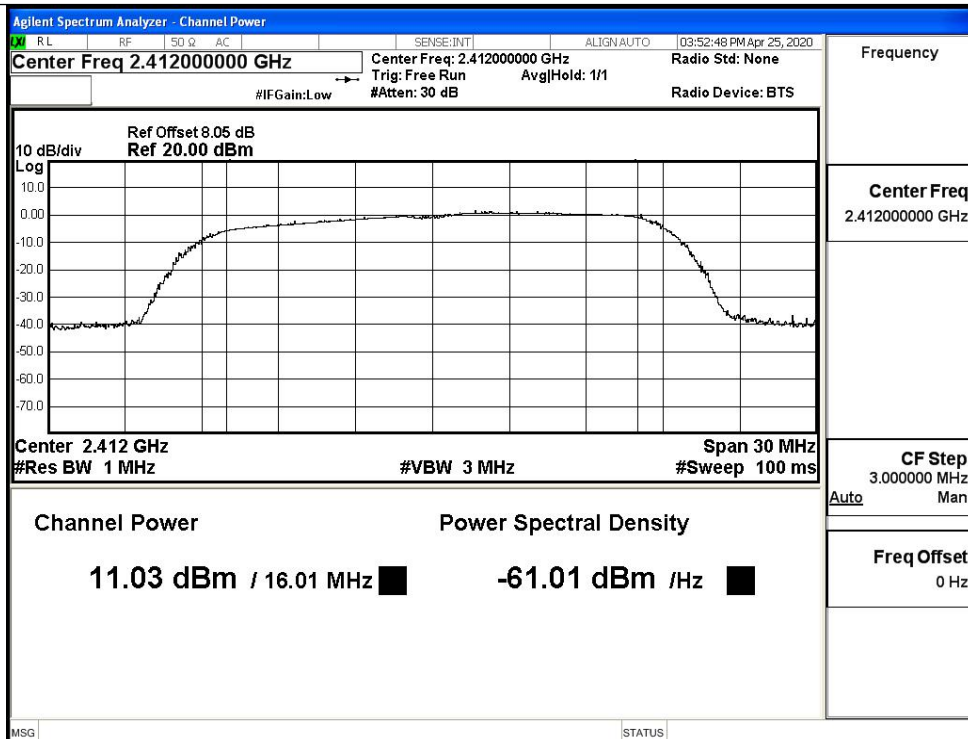
11G/MCH



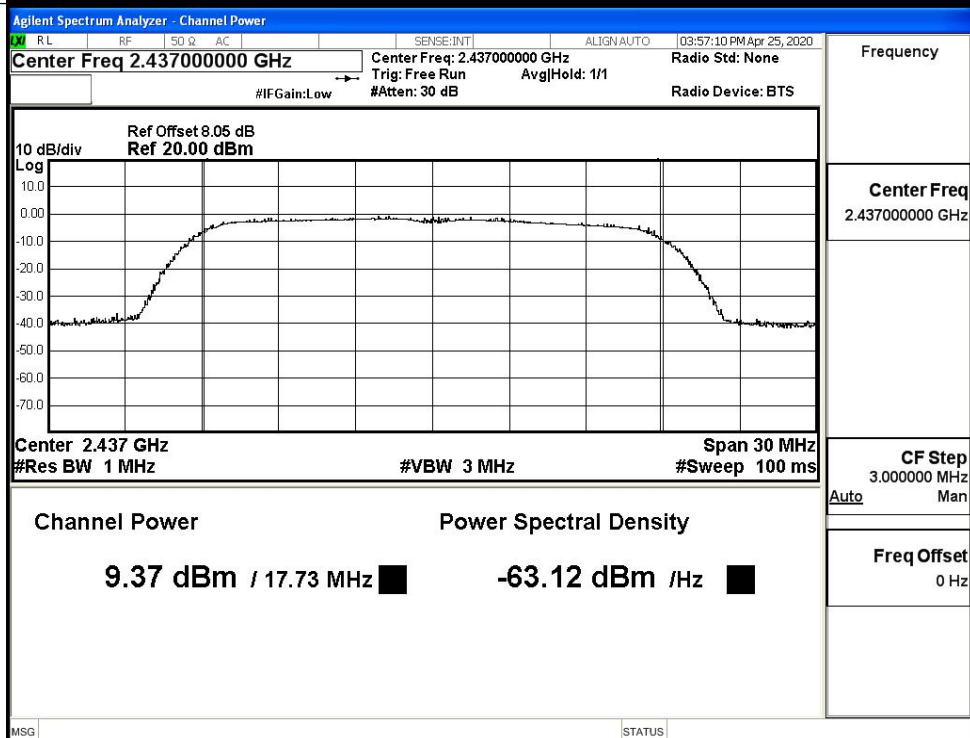
11G/HCH



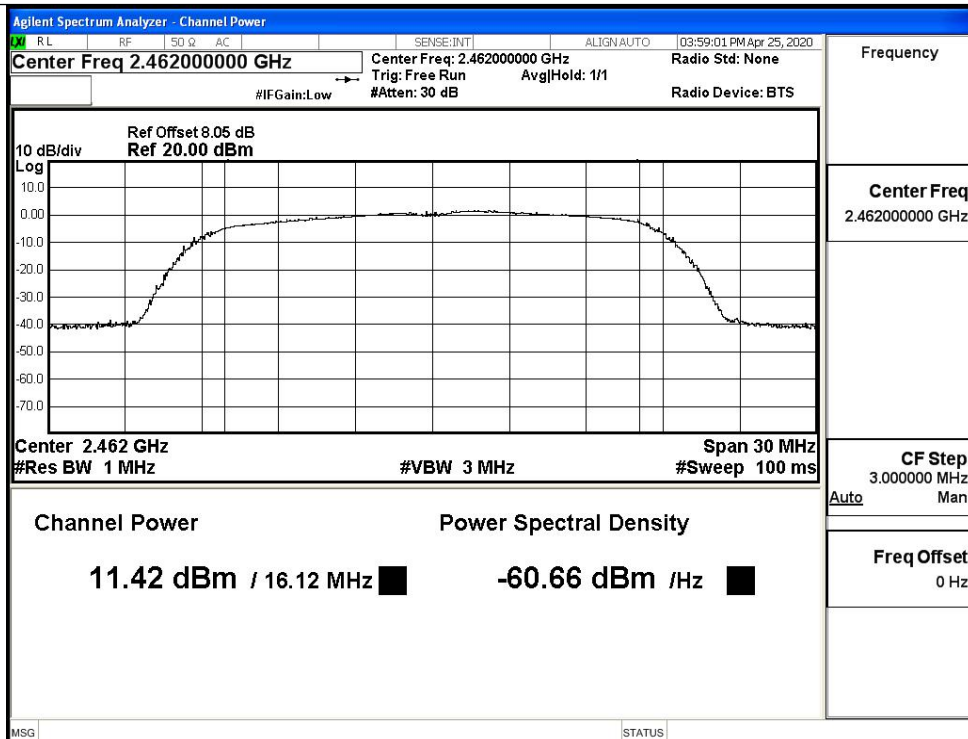
11N20SISO/LCH



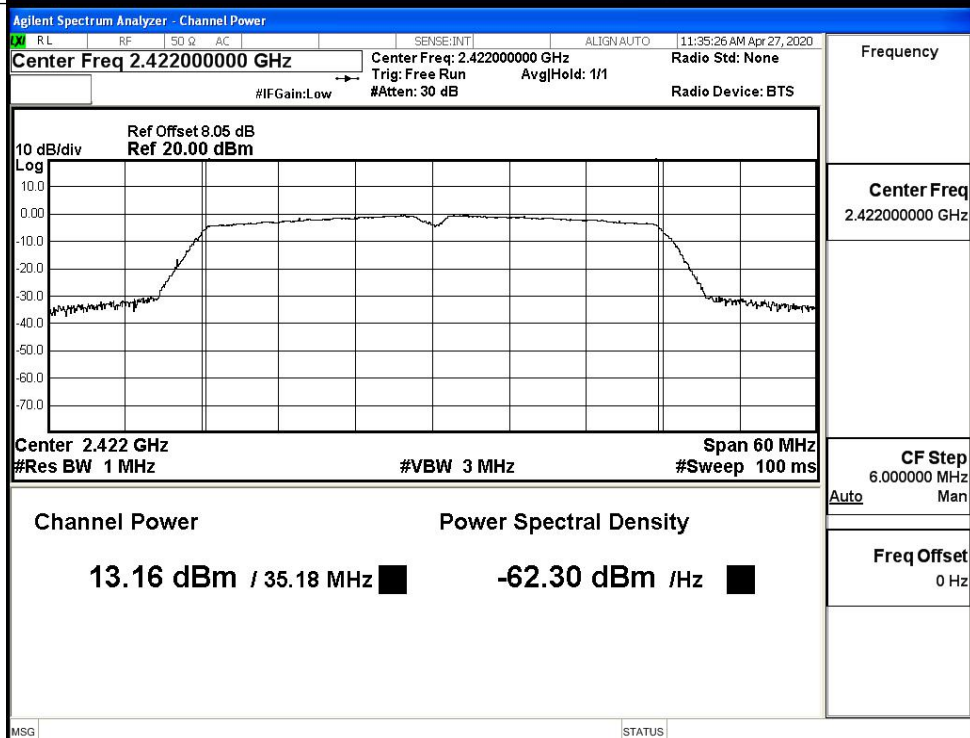
11N20SISO/MCH



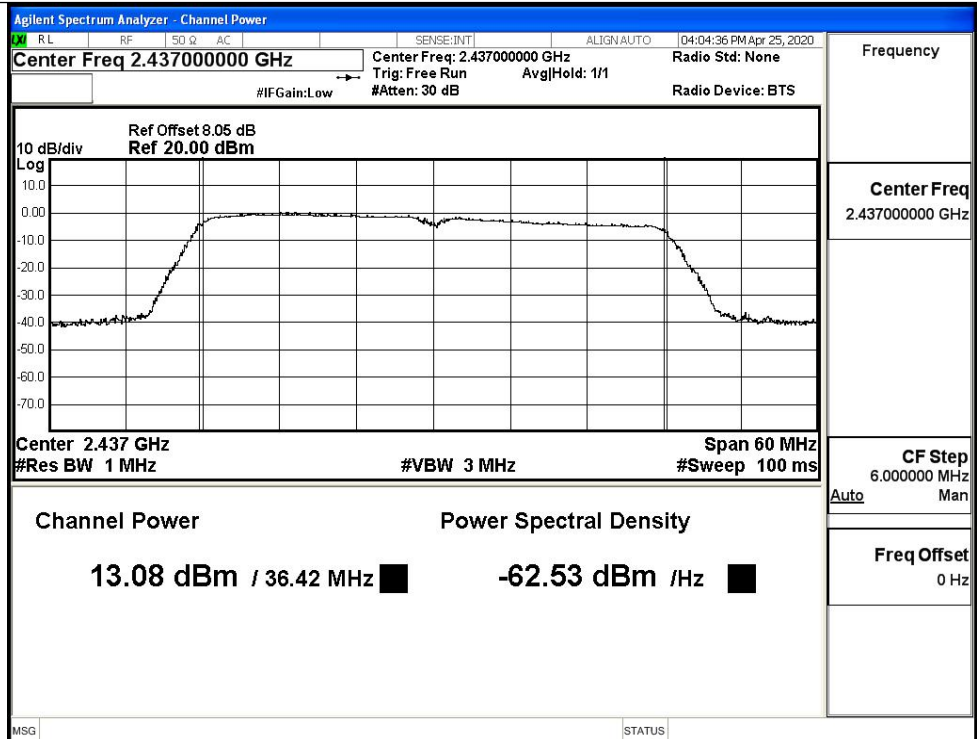
11N20SISO/HCH



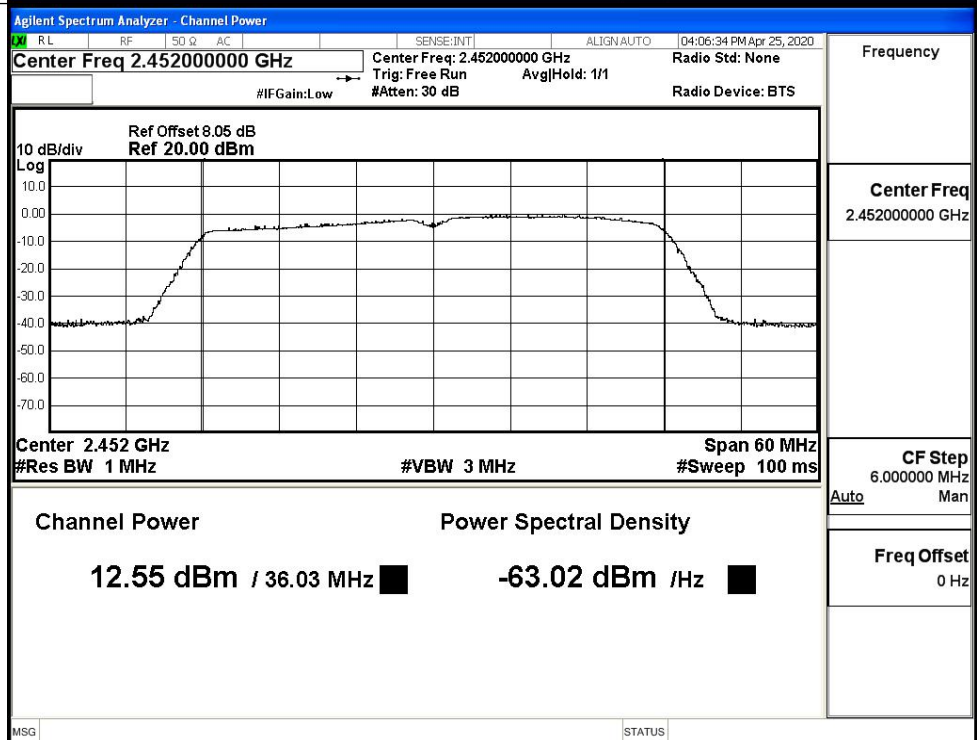
11N40SISO/LCH



11N40SISO/MCH



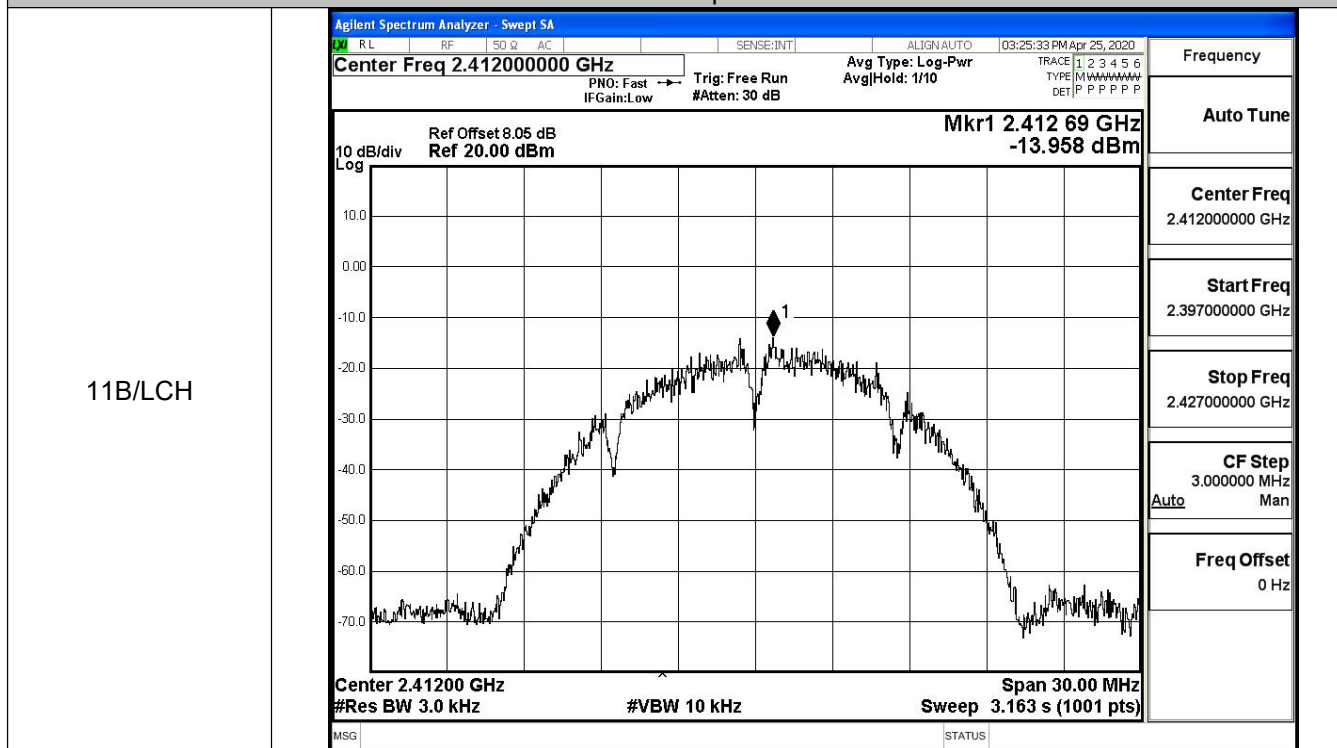
11N40SISO/HCH



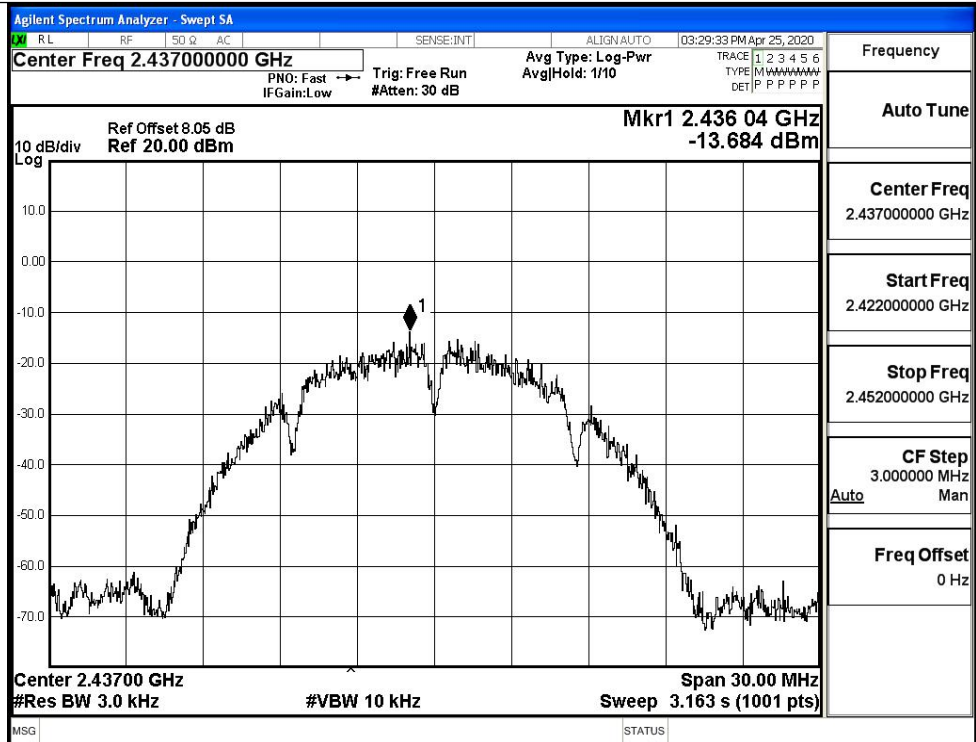
A.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-13.958	8	PASS
	MCH	-13.684	8	PASS
	HCH	-14.900	8	PASS
11G	LCH	-22.164	8	PASS
	MCH	-23.418	8	PASS
	HCH	-22.111	8	PASS
11N20SISO	LCH	-22.101	8	PASS
	MCH	-24.404	8	PASS
	HCH	-20.959	8	PASS
11N40SISO	LCH	-21.492	8	PASS
	MCH	-22.352	8	PASS
	HCH	-22.021	8	PASS

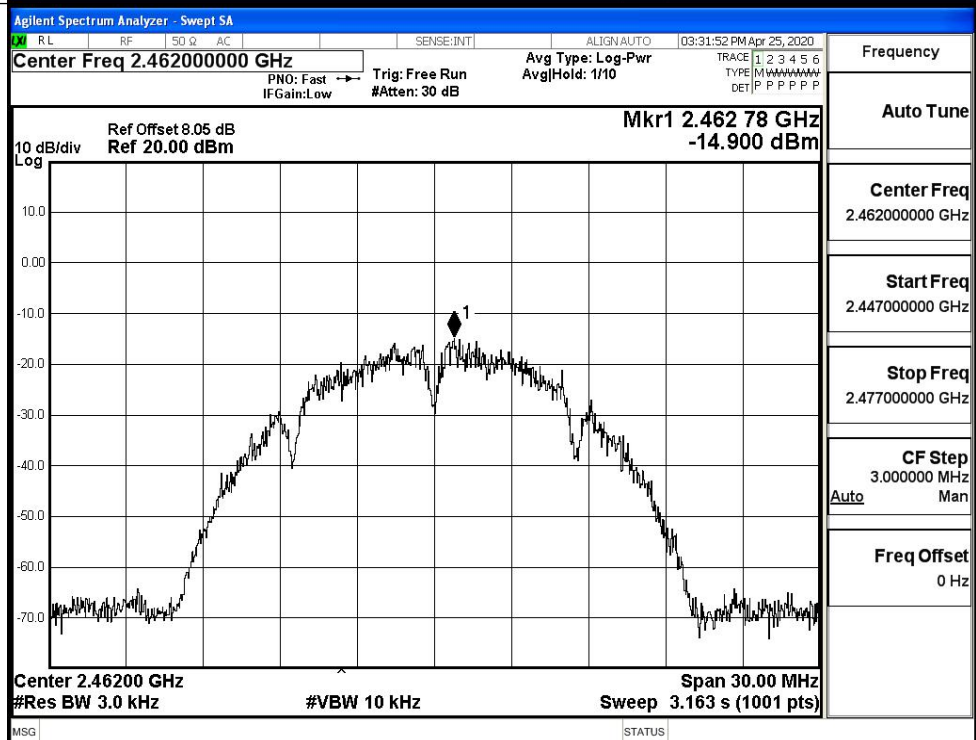
Test Graphs



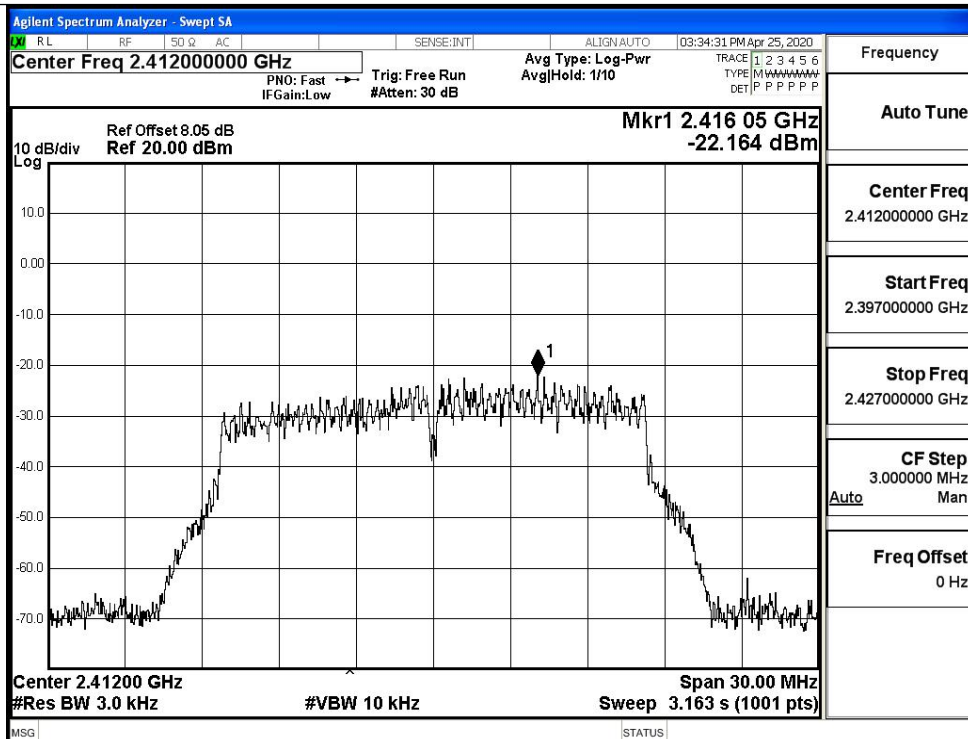
11B/MCH



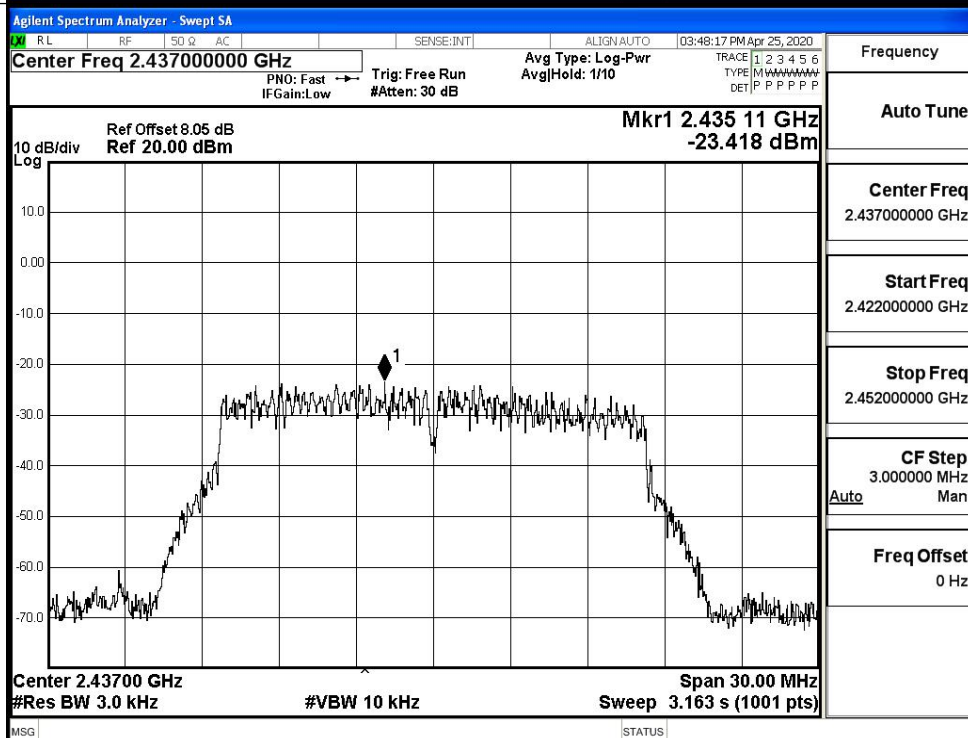
11B/HCH



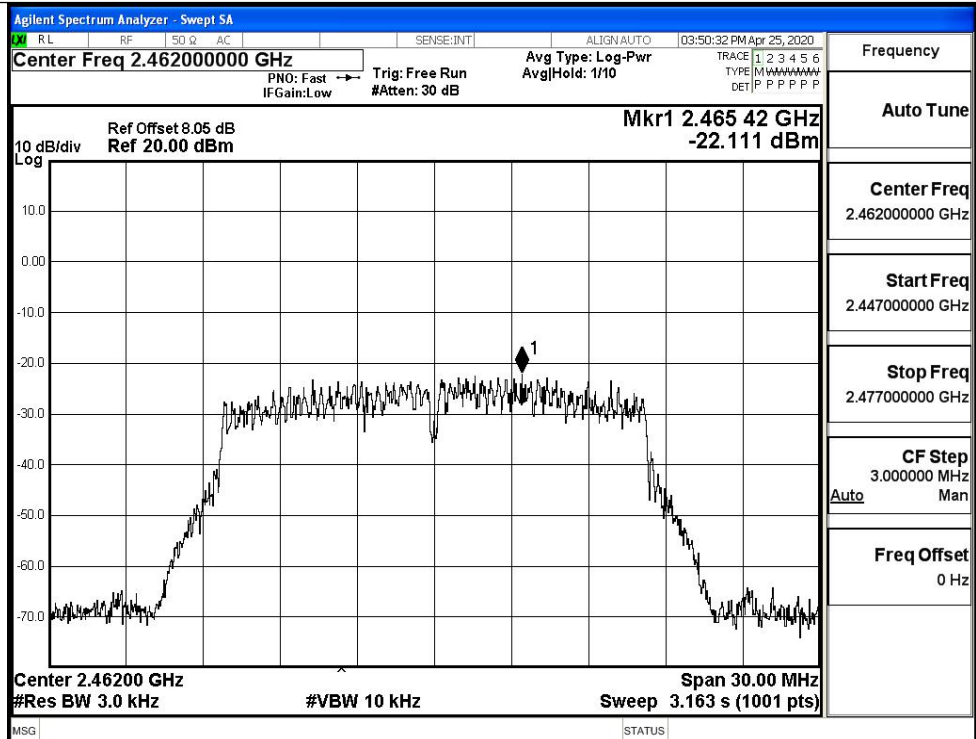
11G/LCH



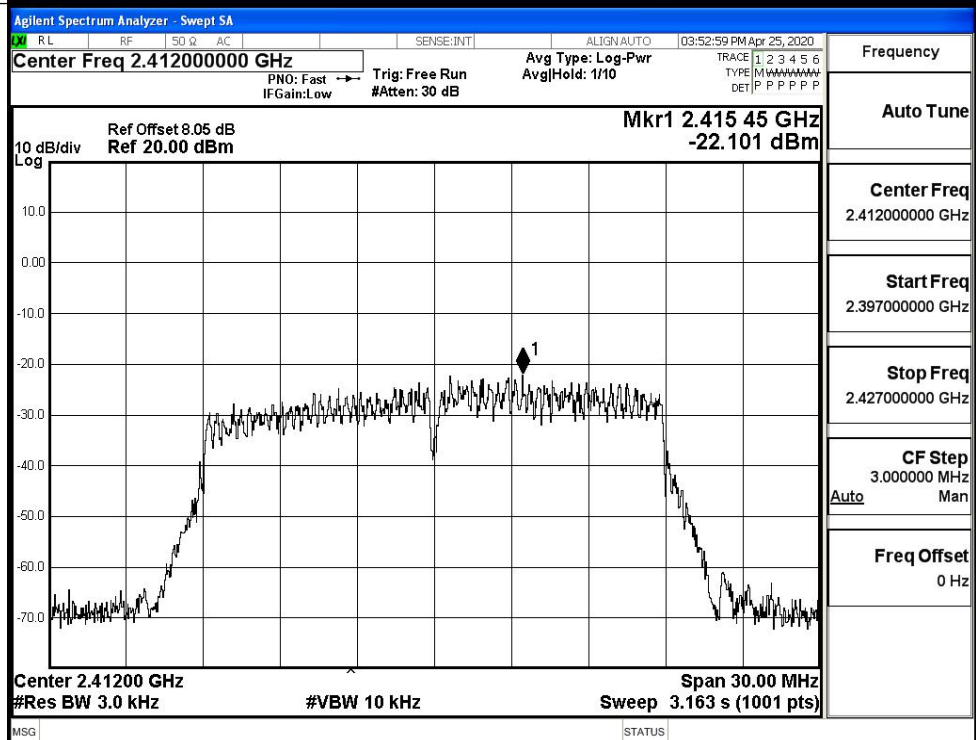
11G/MCH



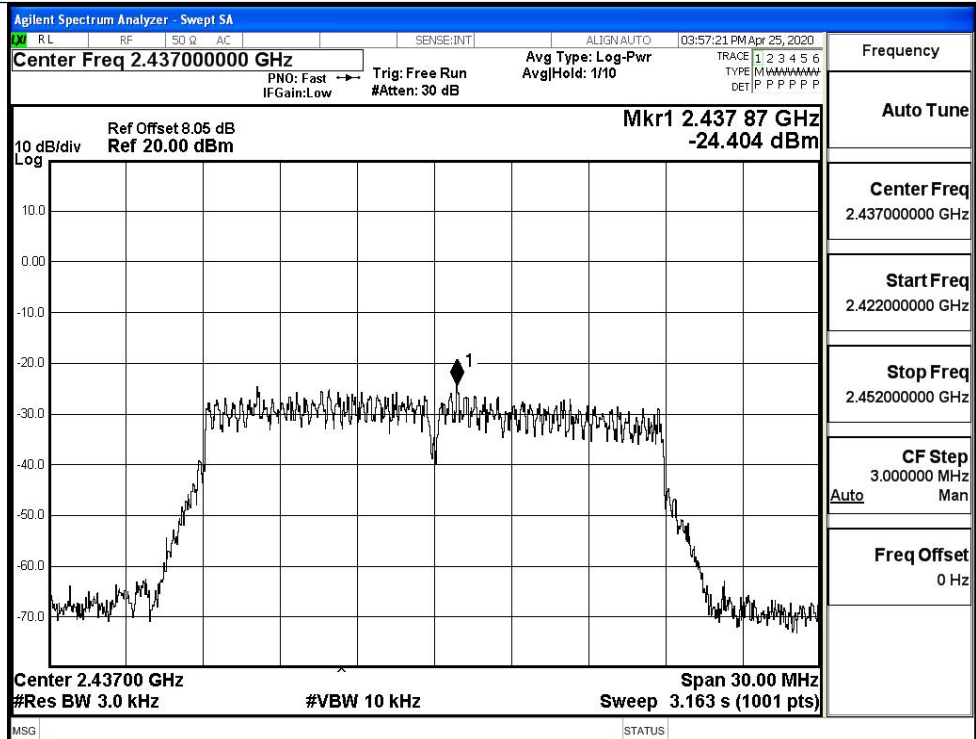
11G/HCH



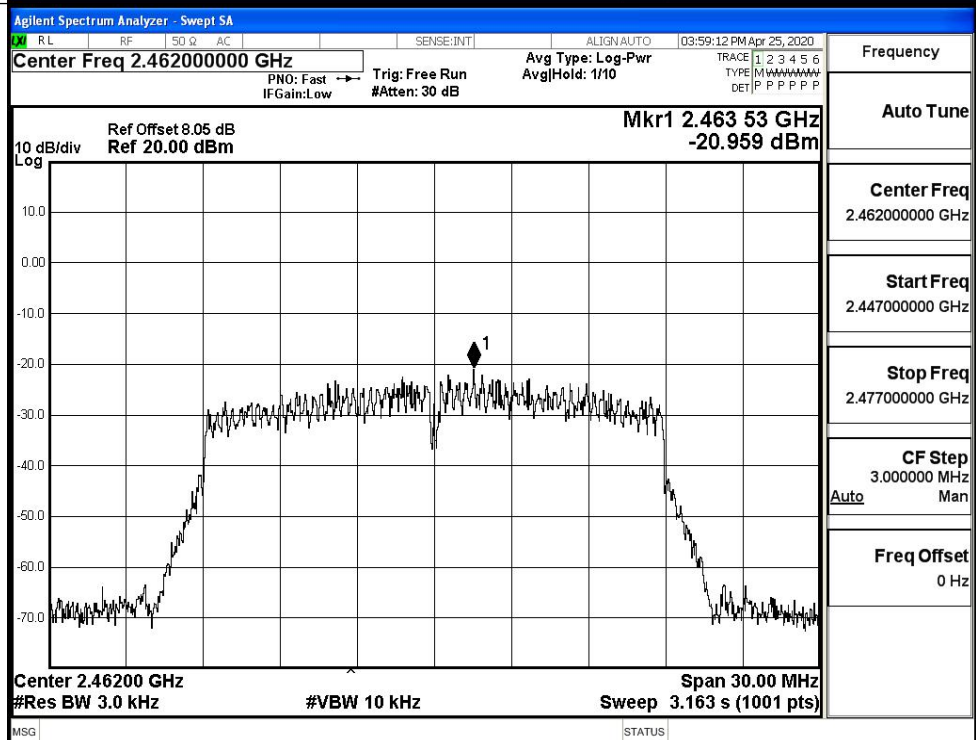
11N20SISO/LCH



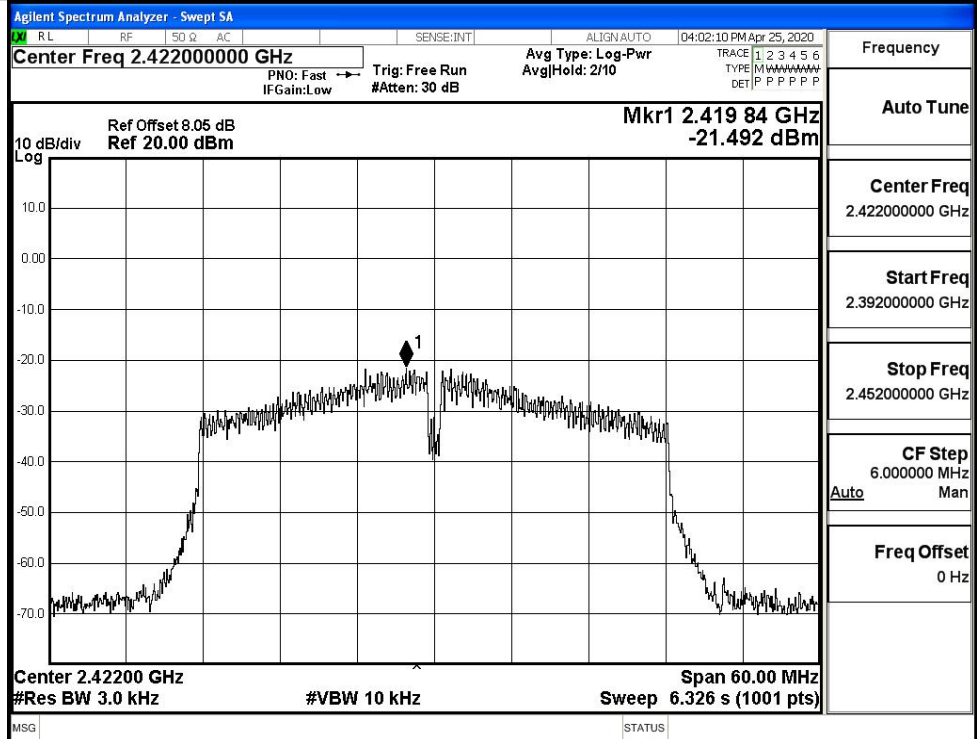
11N20SISO/MCH



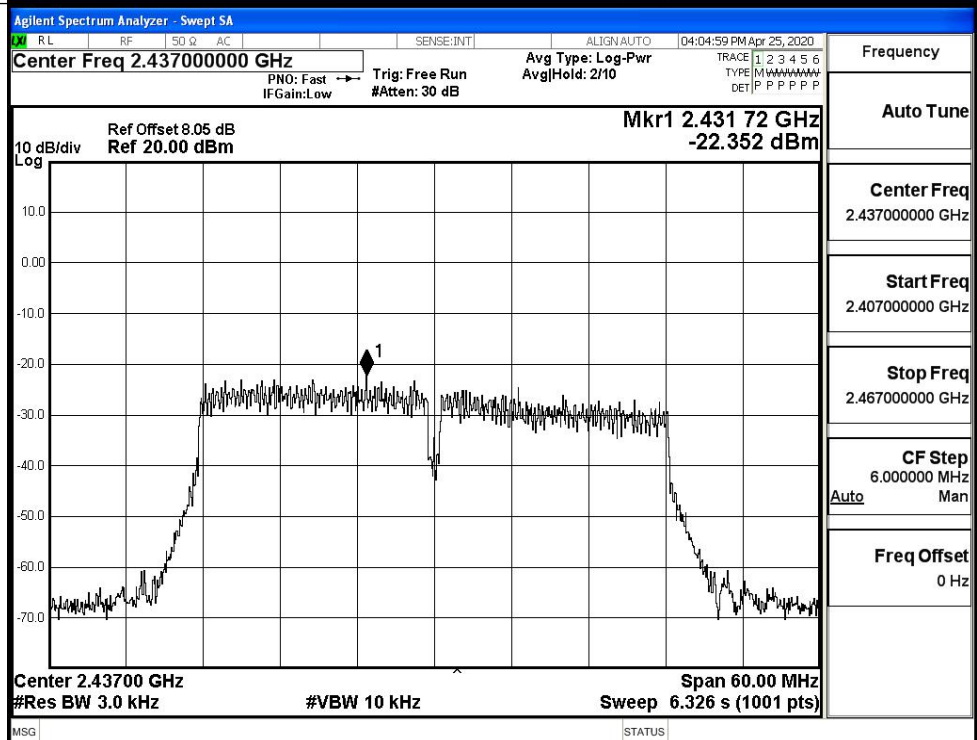
11N20SISO/HCH



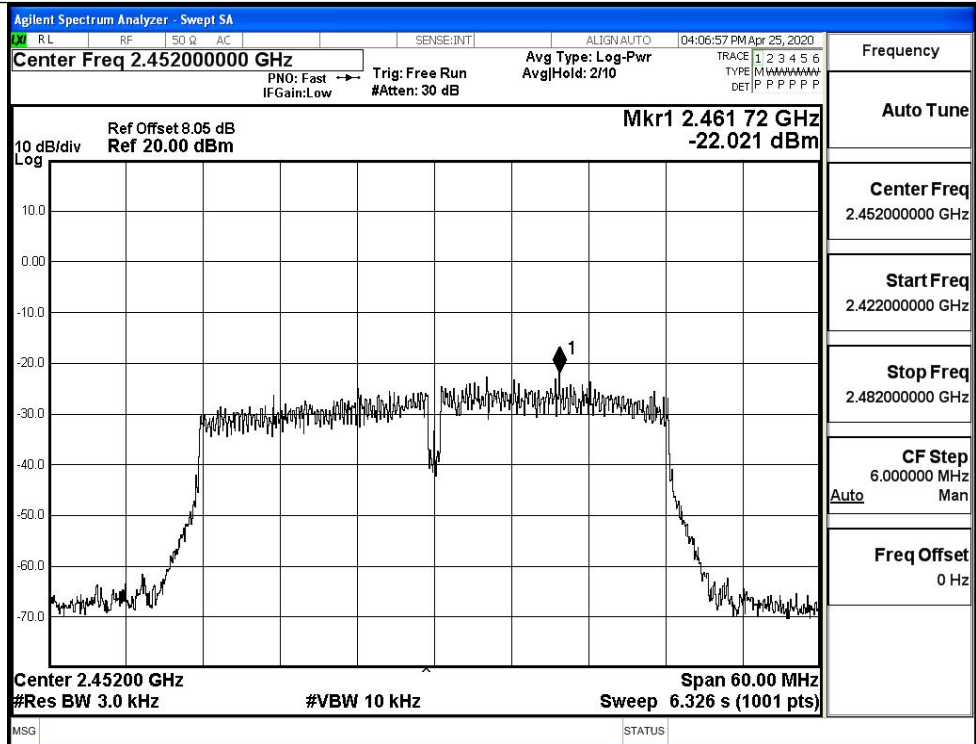
11N40SISO/LCH



11N40SISO/MCH



11N40SISO/HCH

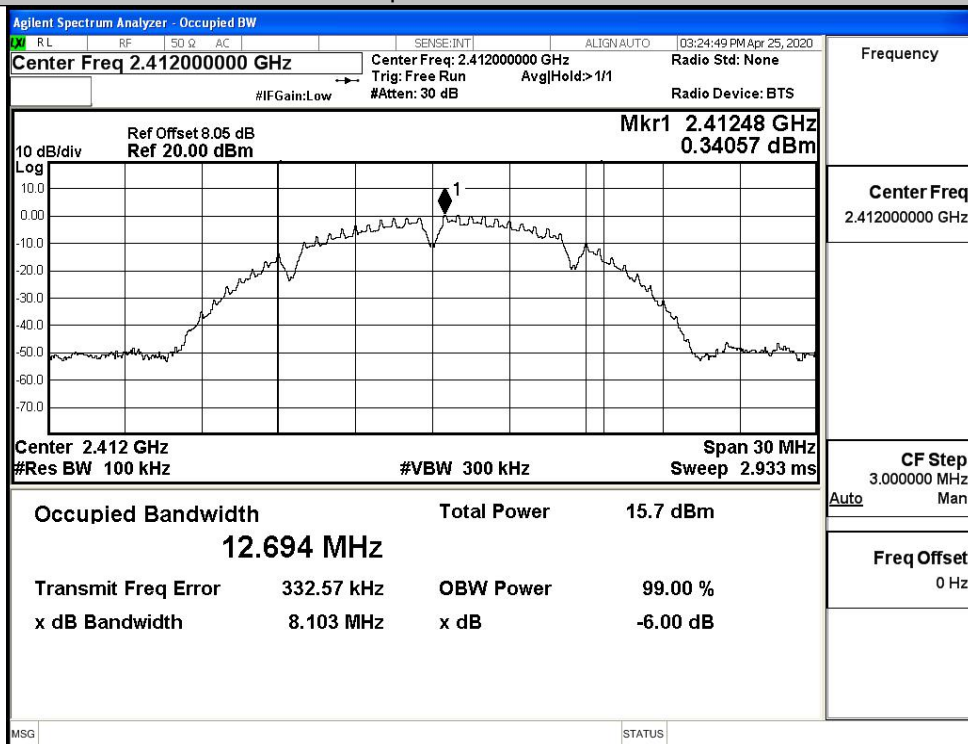


A.4 6dB Bandwidth

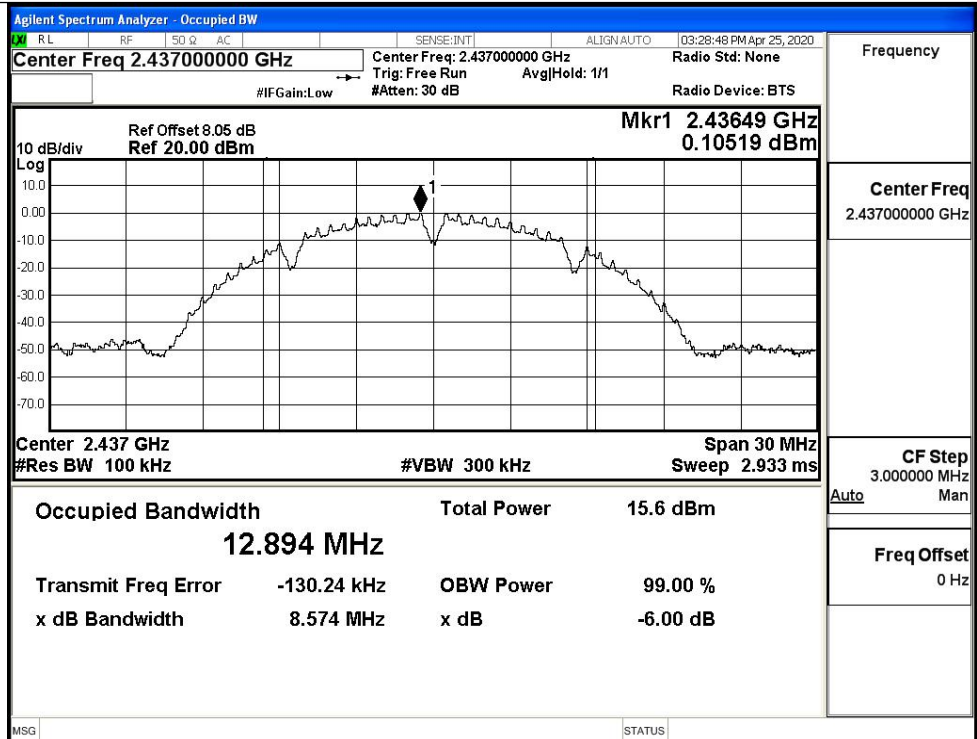
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.103	≥ 0.5	PASS
	MCH	8.574	≥ 0.5	PASS
	HCH	7.620	≥ 0.5	PASS
11G	LCH	15.57	≥ 0.5	PASS
	MCH	16.43	≥ 0.5	PASS
	HCH	15.46	≥ 0.5	PASS
11N20SISO	LCH	16.01	≥ 0.5	PASS
	MCH	17.73	≥ 0.5	PASS
	HCH	16.12	≥ 0.5	PASS
11N40SISO	LCH	36.34	≥ 0.5	PASS
	MCH	36.42	≥ 0.5	PASS
	HCH	36.03	≥ 0.5	PASS

Test Graphs

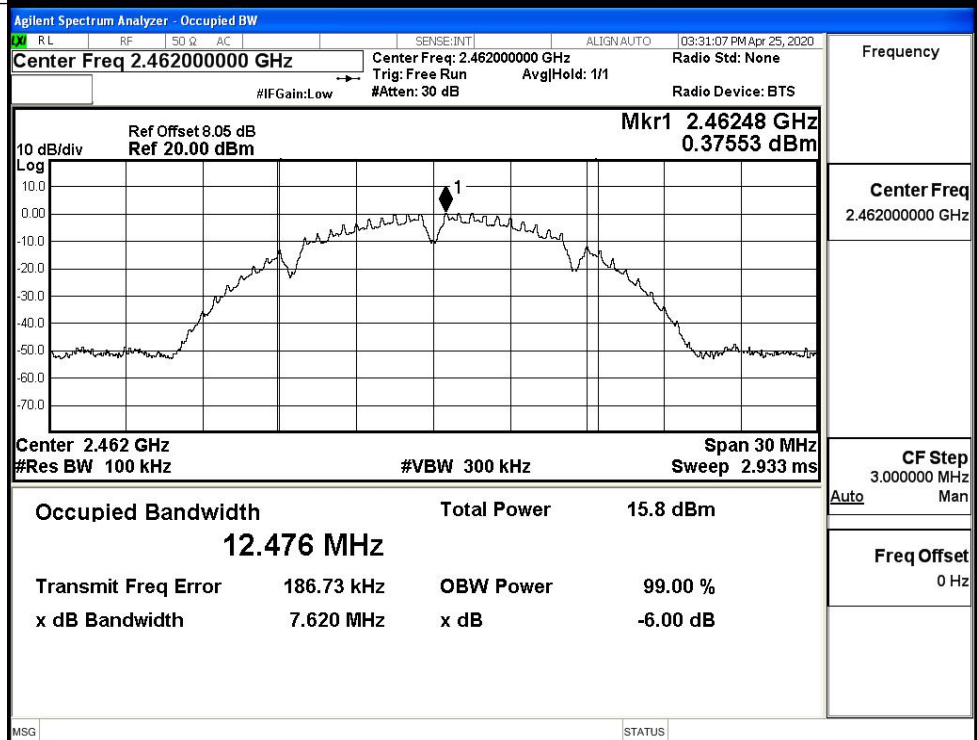
11B/LCH



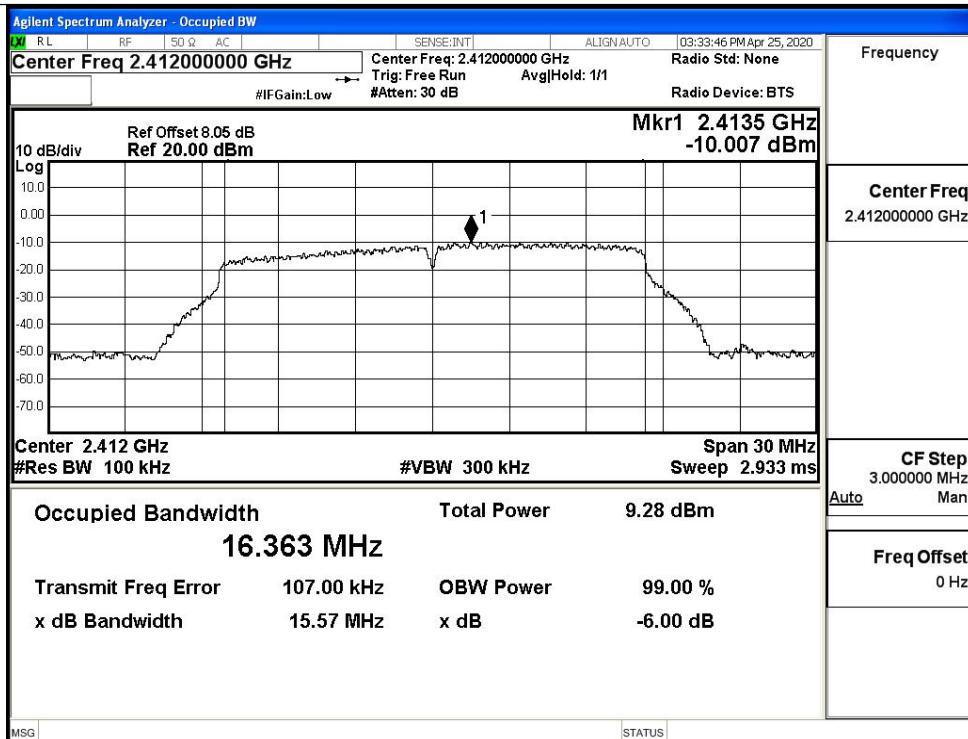
11B/MCH



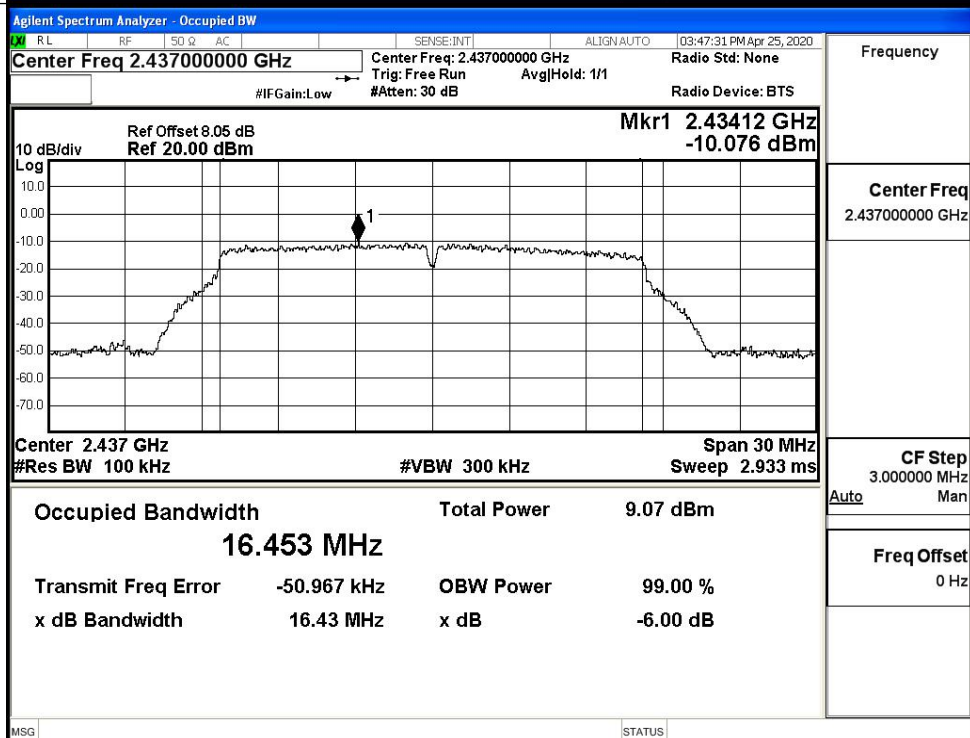
11B/HCH



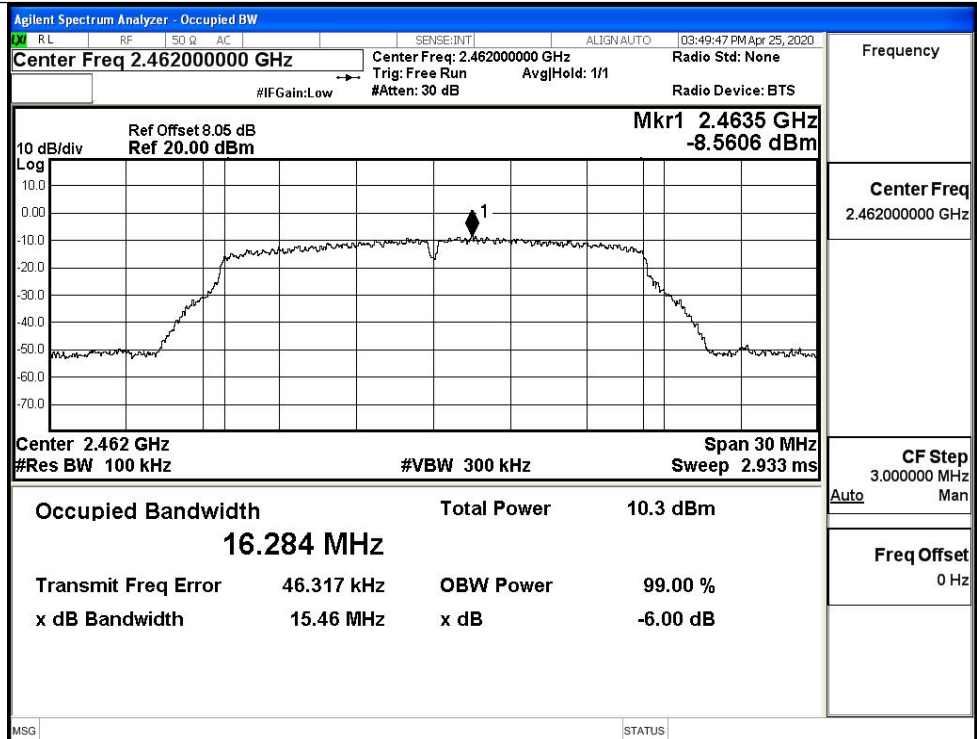
11G/LCH



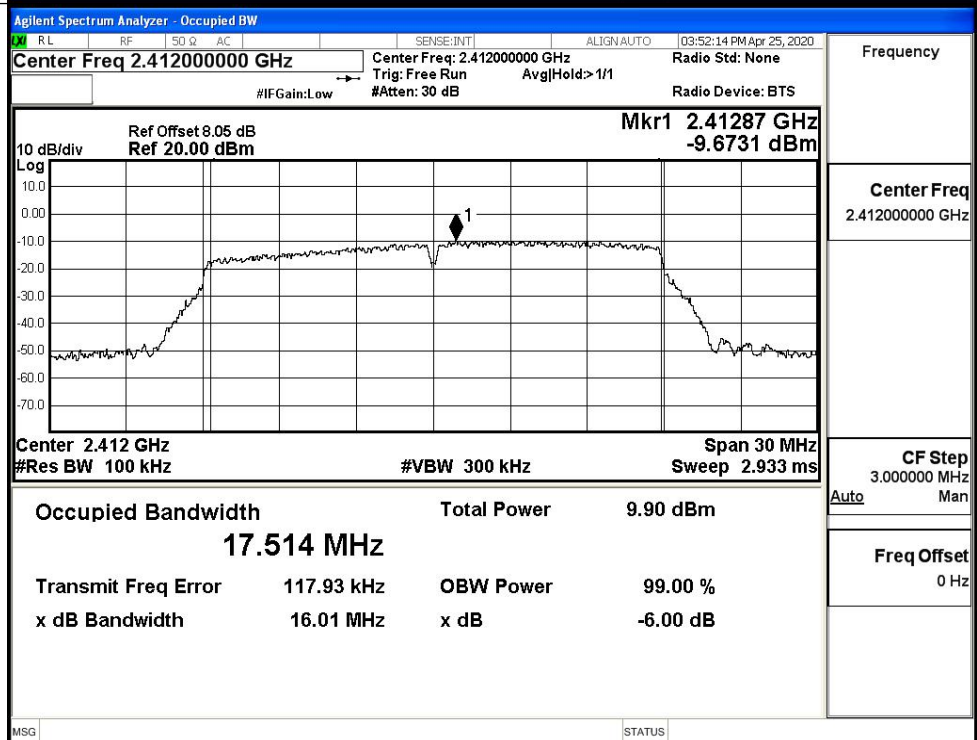
11G/MCH



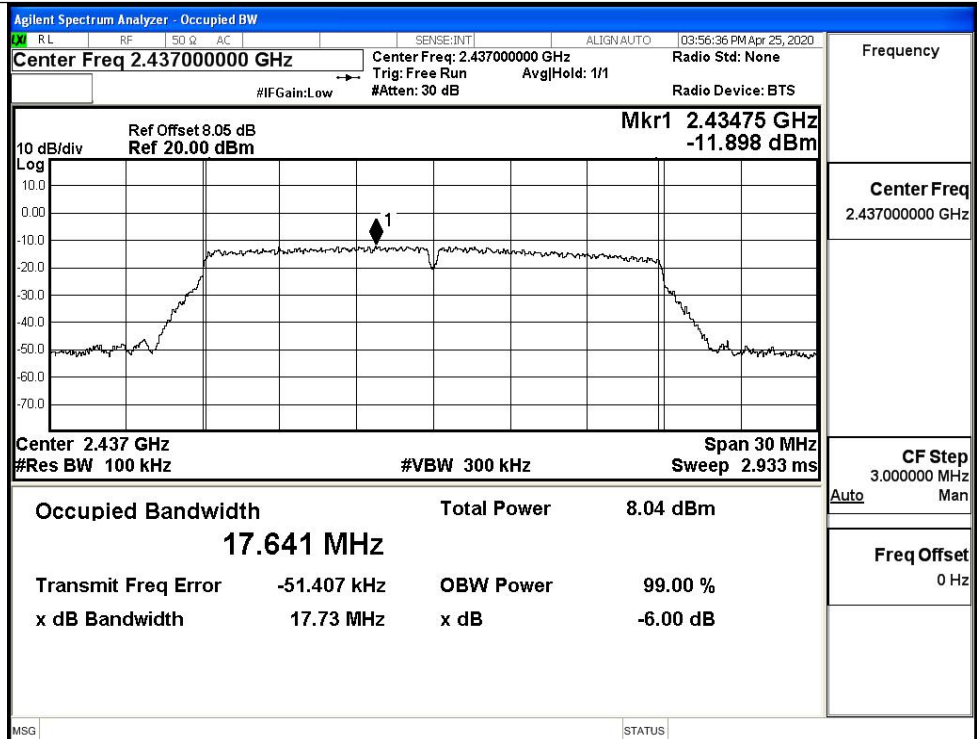
11G/HCH



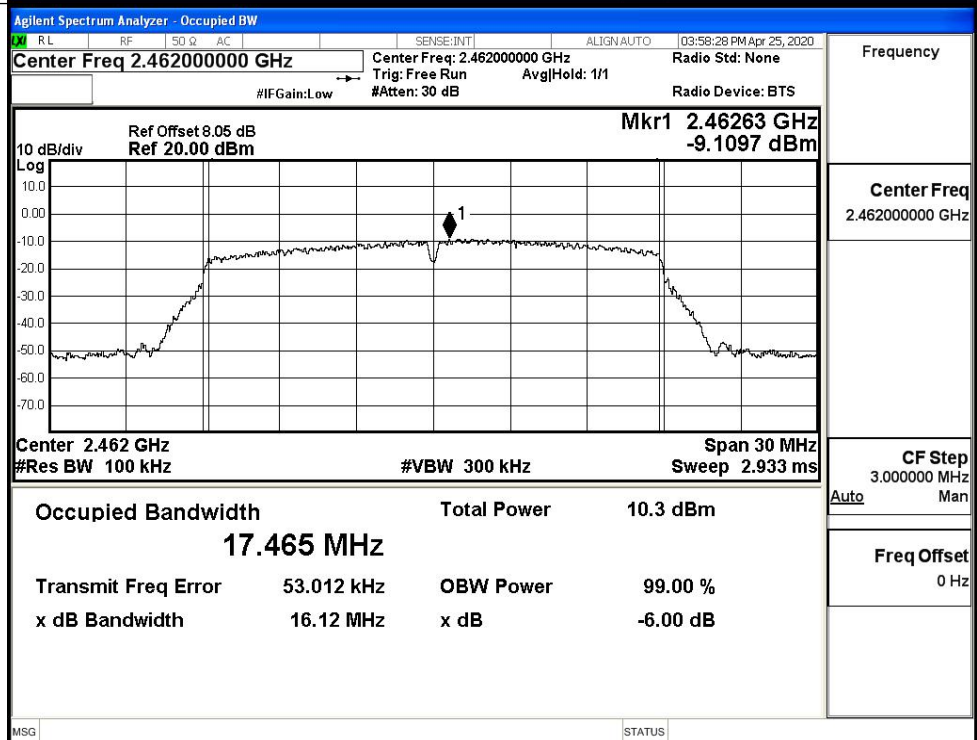
11N20SISO/LCH



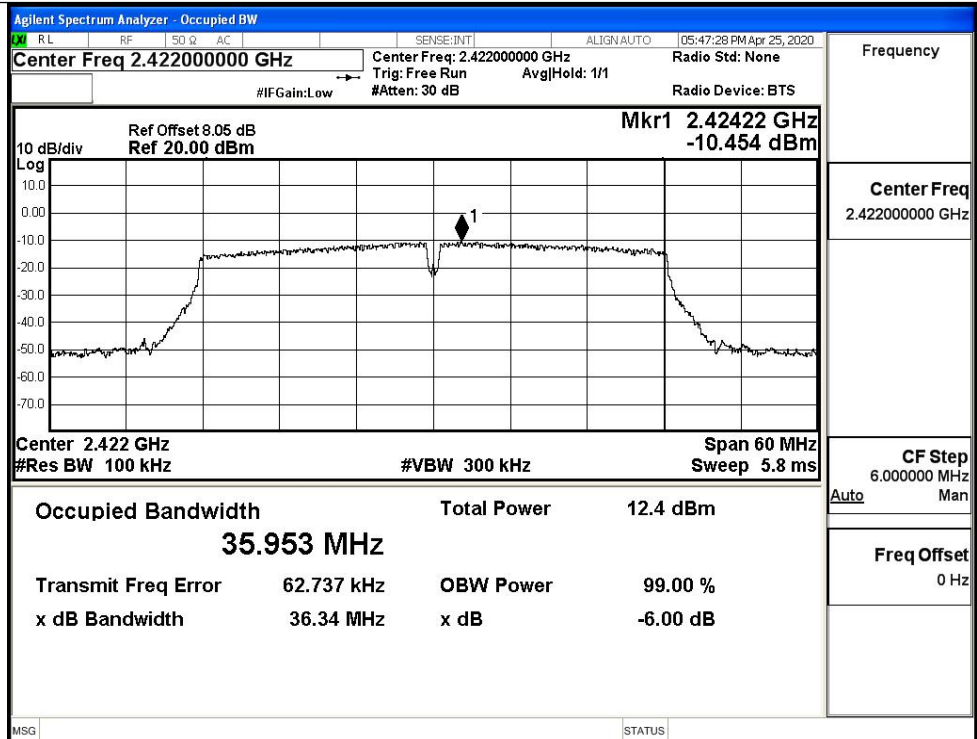
11N20SISO/MCH



11N20SISO/HCH



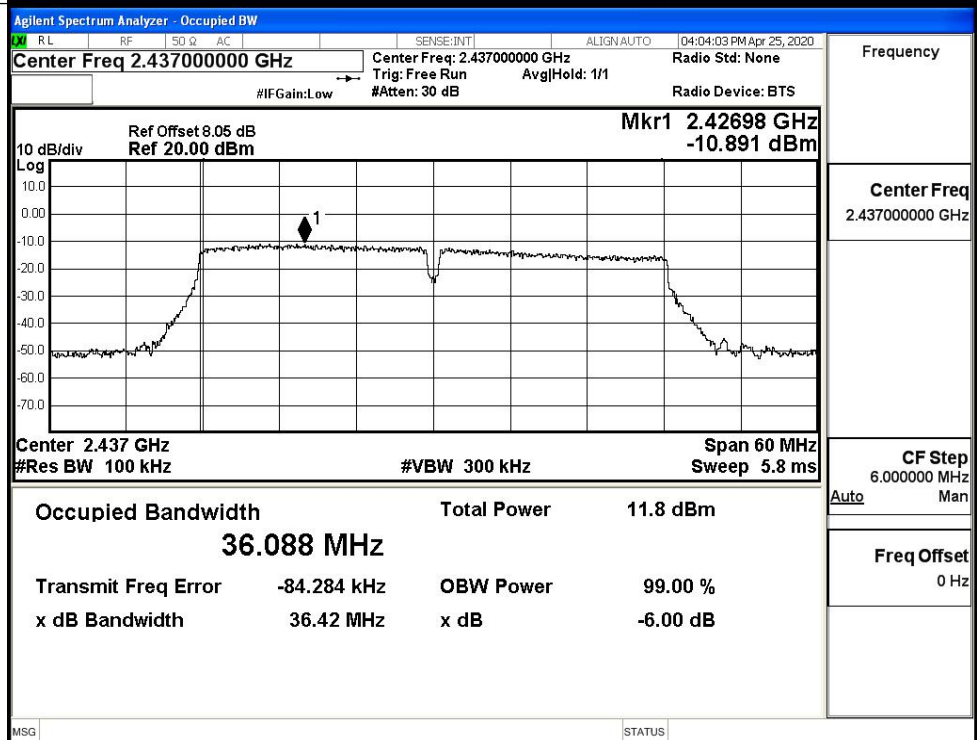
11N40SISO/LCH



Frequency

Center Freq
2.422000000 GHzCF Step
6.000000 MHz
Auto ManFreq Offset
0 Hz

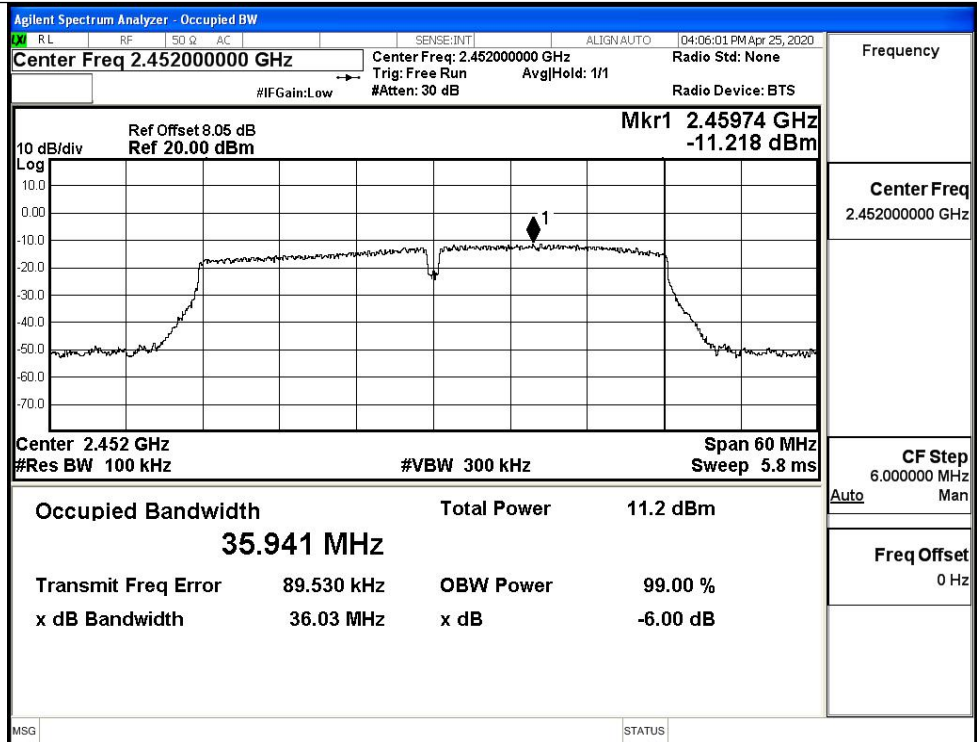
11N40SISO/MCH



Frequency

Center Freq
2.437000000 GHzCF Step
6.000000 MHz
Auto ManFreq Offset
0 Hz

11N40SISO/HCH

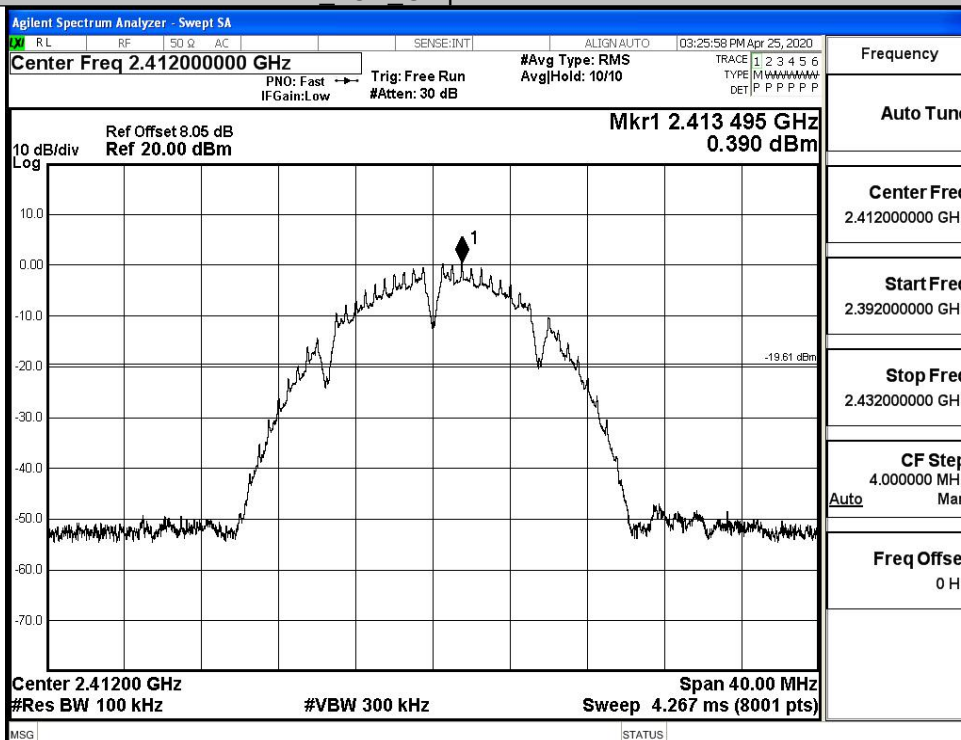


A.5 RF Conducted Spurious Emissions

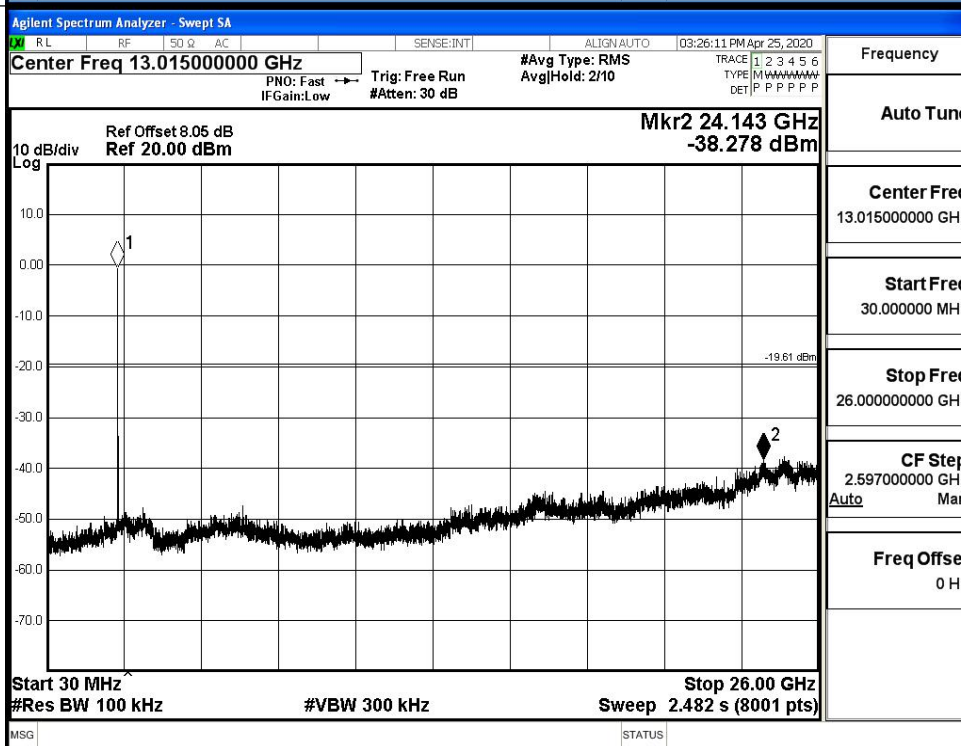
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	0.39	-38.278	-19.610	PASS
	MCH	-0.002	-38.233	-20.002	PASS
	HCH	0.598	-37.924	-19.402	PASS
11G	LCH	-10.037	-37.849	-30.037	PASS
	MCH	-10.786	-37.814	-30.786	PASS
	HCH	-8.41	-37.172	-28.410	PASS
11N20 SISO	LCH	-10.147	-37.112	-30.147	PASS
	MCH	-11.796	-38.267	-31.796	PASS
	HCH	-9.058	-37.668	-29.058	PASS
11N40 SISO	LCH	-9.657	-37.296	-29.657	PASS
	MCH	-11.302	-38.224	-31.302	PASS
	HCH	-11.518	-38.204	-31.518	PASS

11B LCH Graphs

Pref/11B/LCH

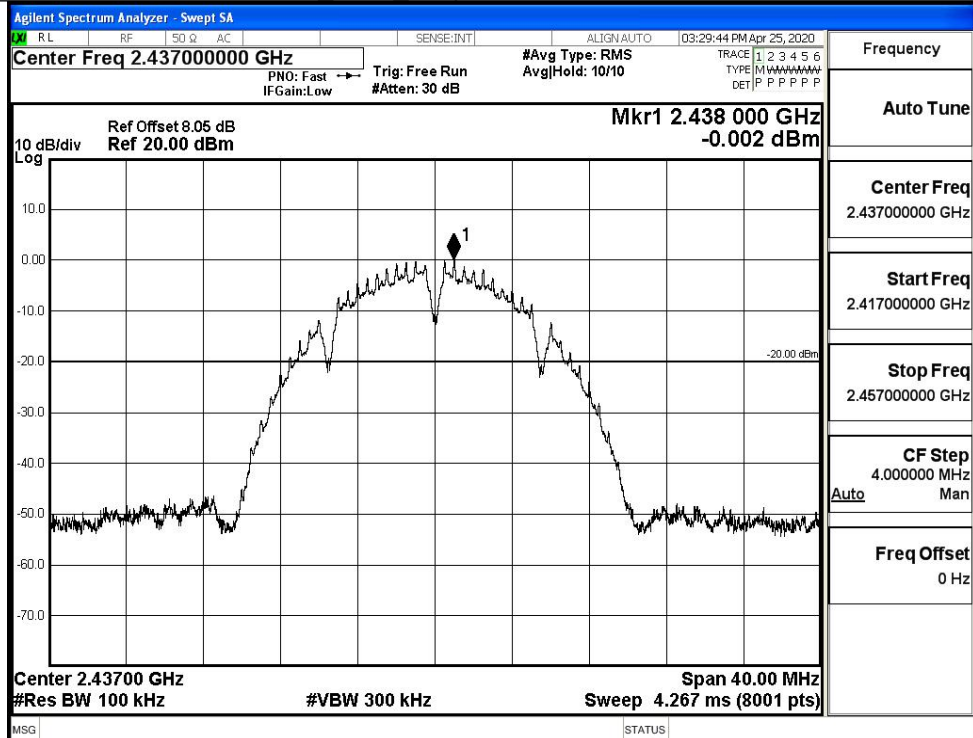


Puw/11B/LCH



11B MCH Graphs

Pref/11B/MCH



Puw/11B/MCH

