

Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: IPTV

Trade Mark: Formuler

Test Model: GTV

Environmental Conditions

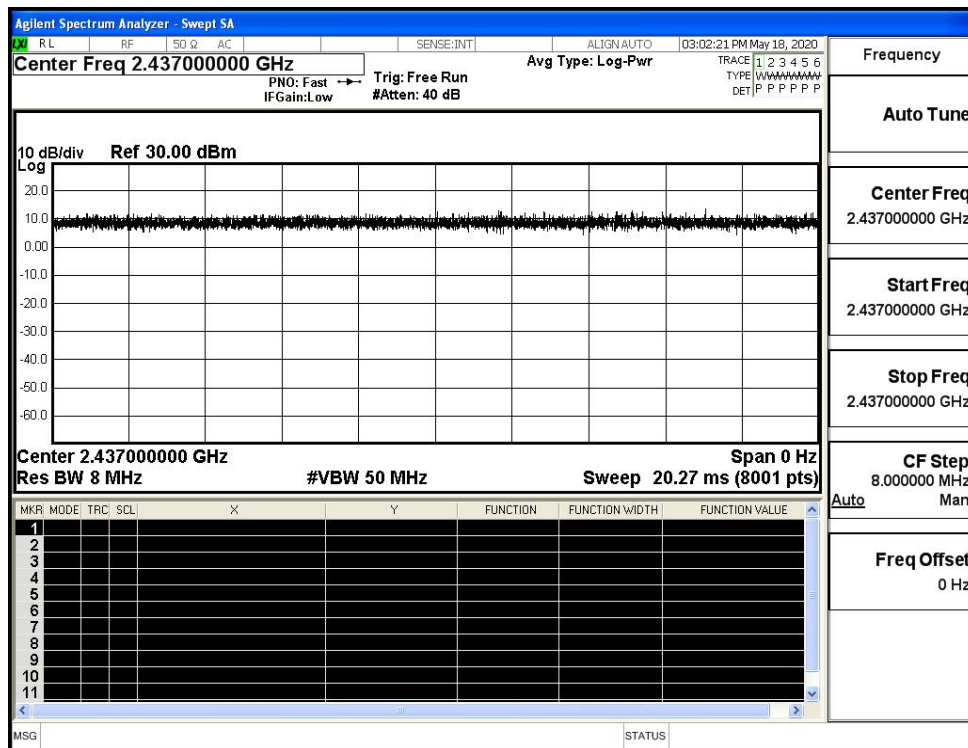
Temperature:	25.1 ° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	David.Luo
Supervised by:	Li Huan

C.1 Duty Cycle

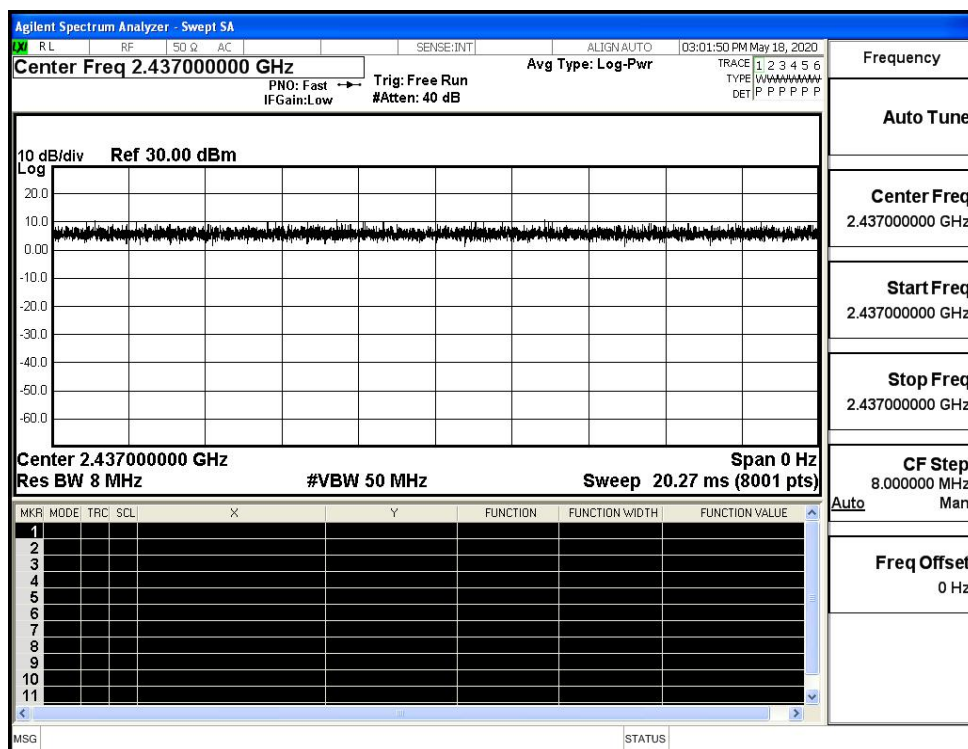
ANT 0

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

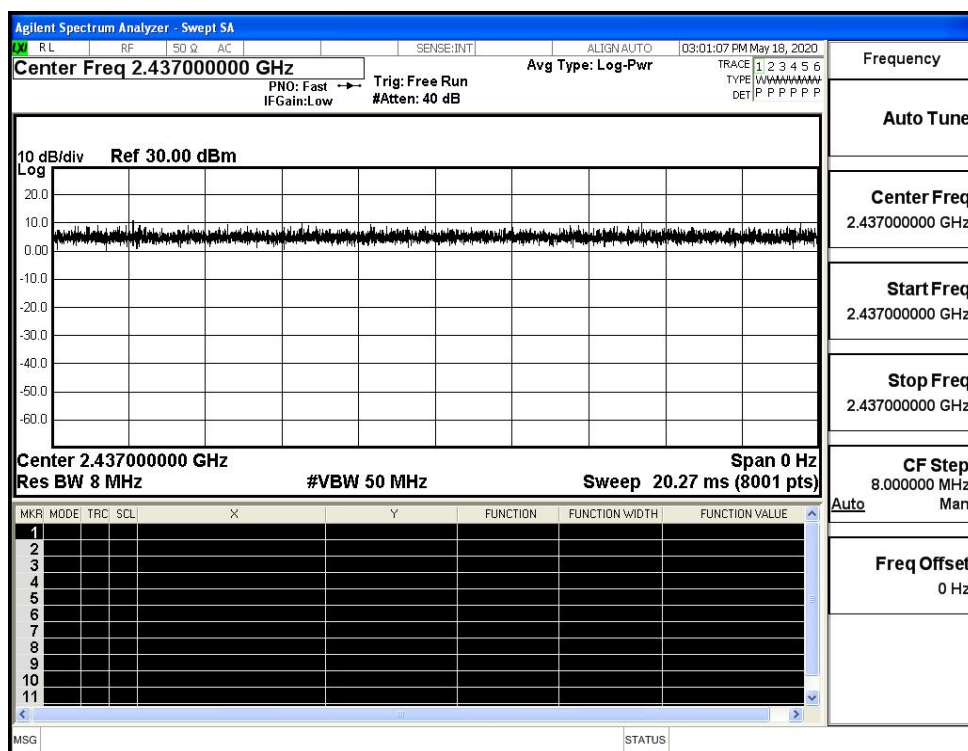
Duty Cycle_11B_2437_Ant0



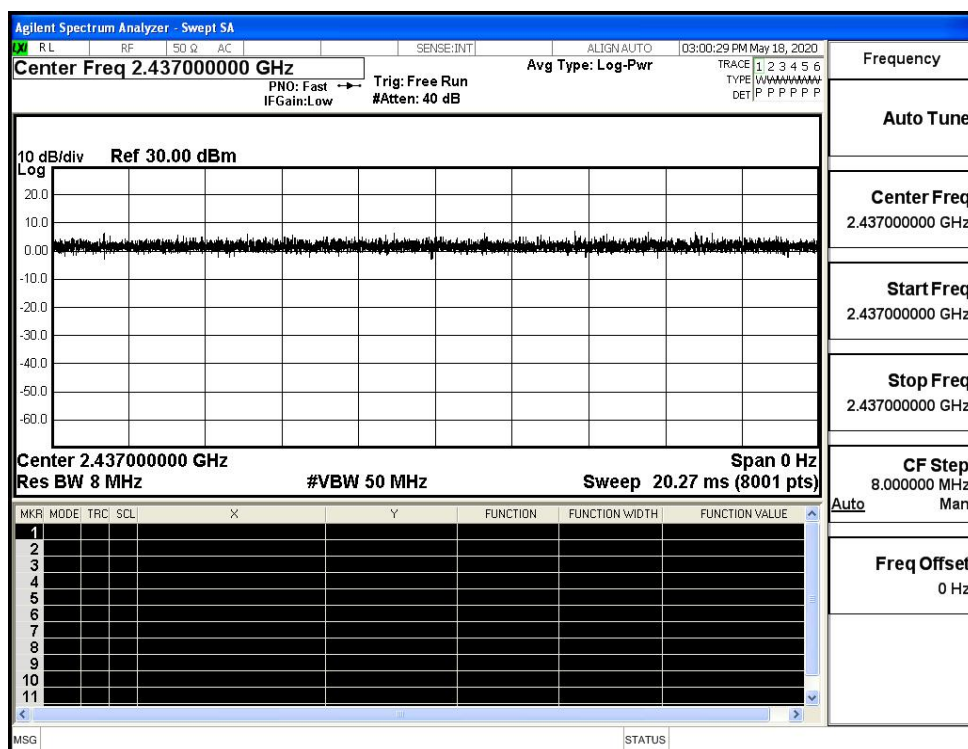
Duty Cycle_11G_2437_Ant0



Duty Cycle_11N20SISO_2437_Ant0



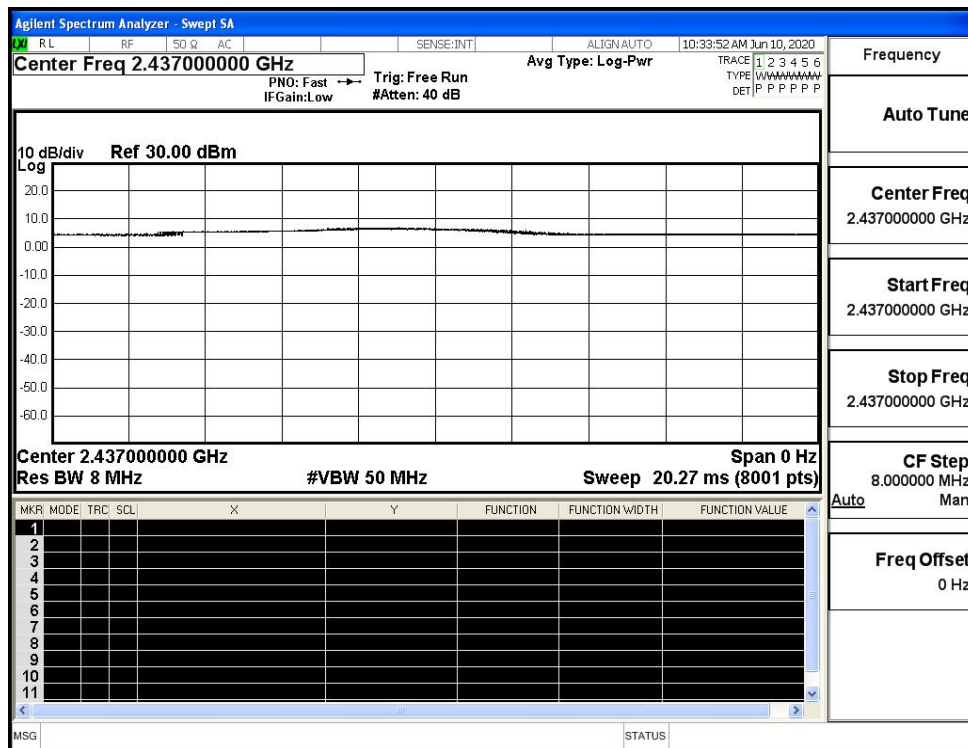
Duty Cycle_11N40SISO_2437_Ant0



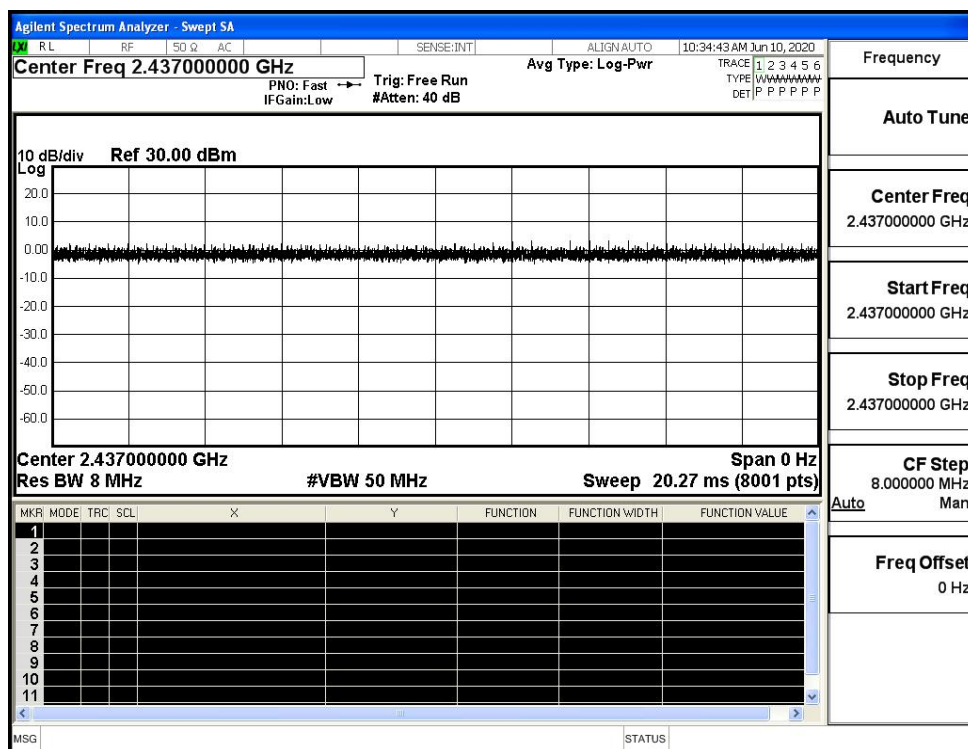
ANT 1

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

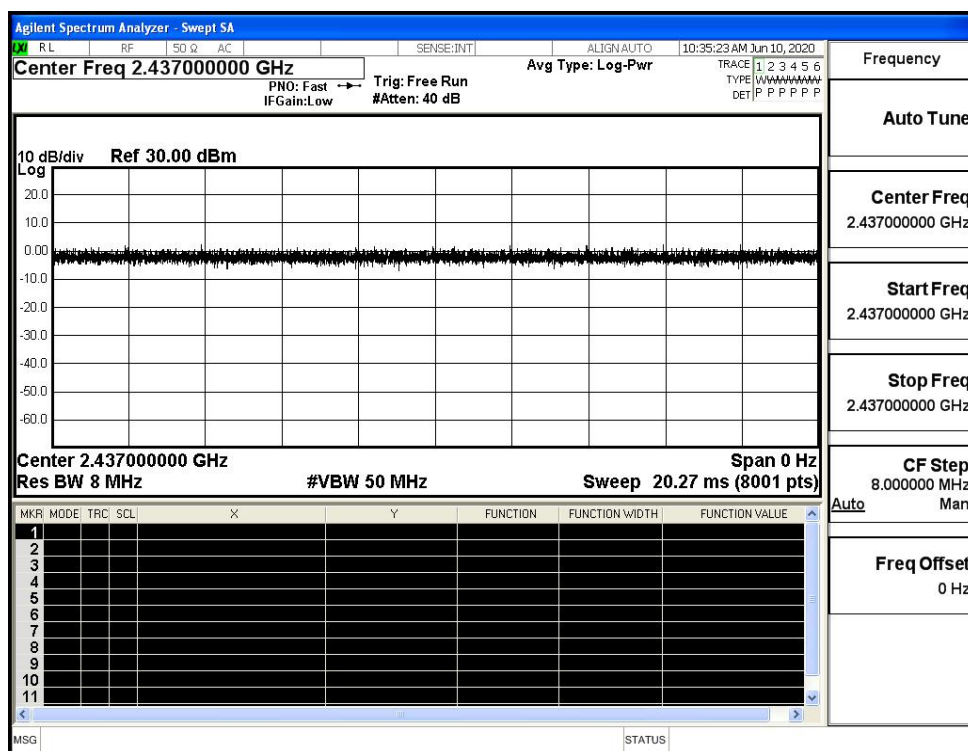
Duty Cycle_11B_2437_Ant1



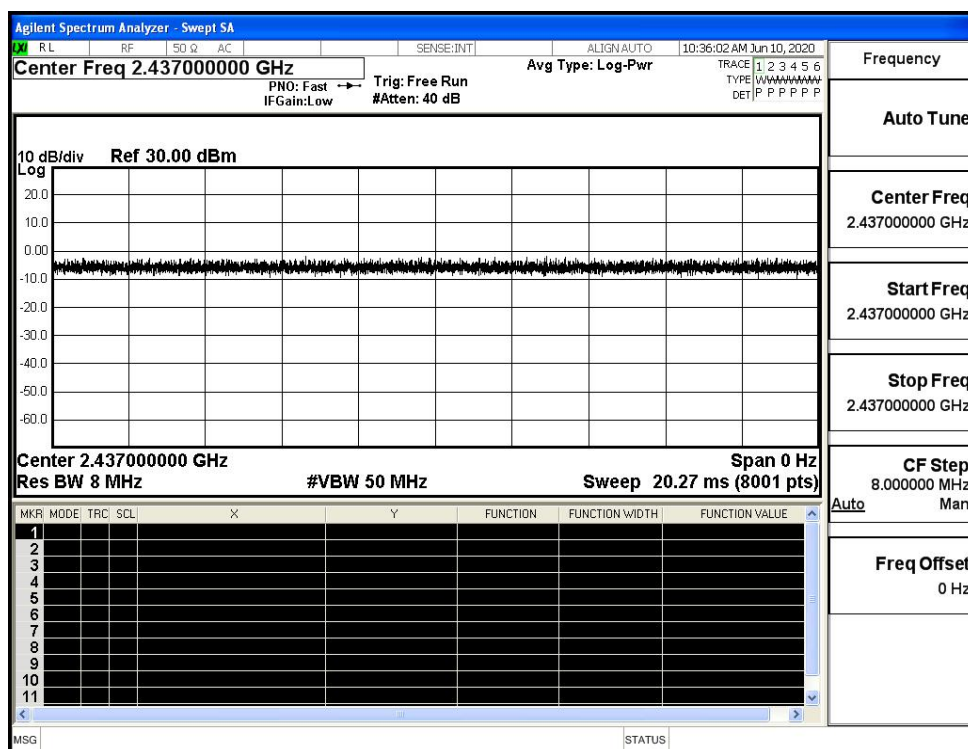
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1



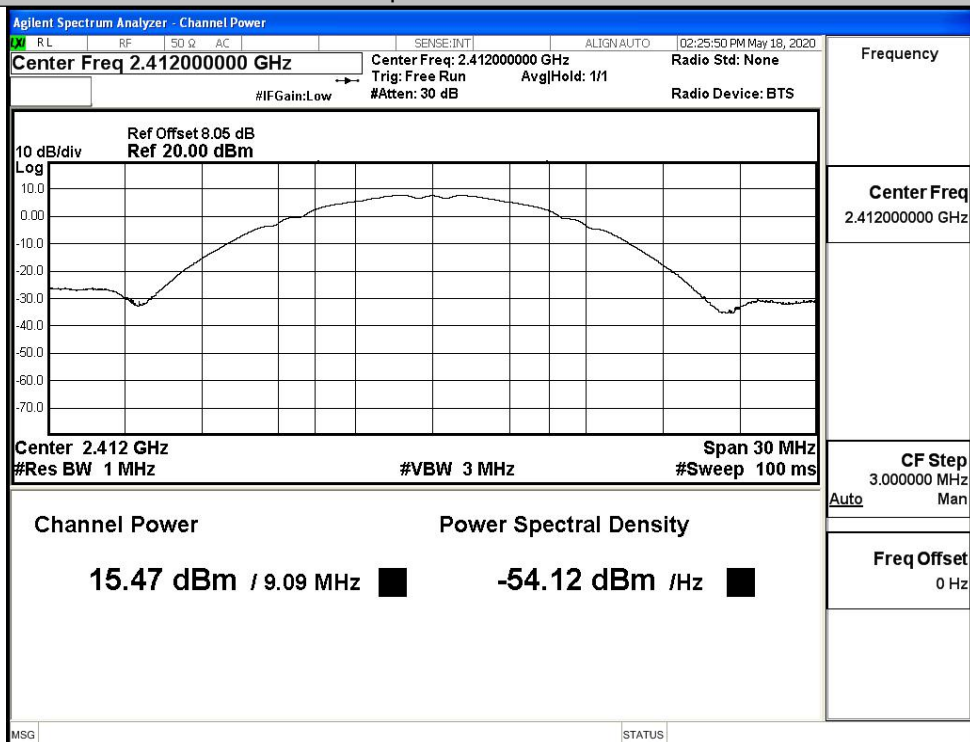
C.2 Maximum Conducted Output Power

ANT 0

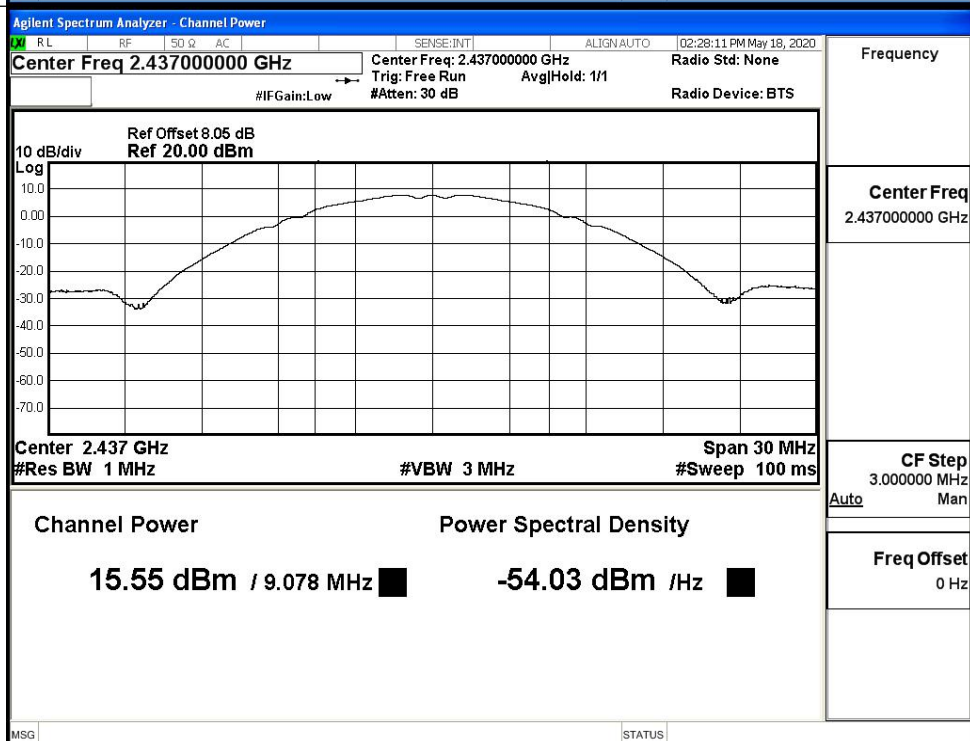
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	15.47	30	PASS
	MCH	15.55	30	PASS
	HCH	15.33	30	PASS
11G	LCH	18.47	30	PASS
	MCH	18.62	30	PASS
	HCH	18.58	30	PASS
11N20SISO	LCH	17.8	30	PASS
	MCH	18.03	30	PASS
	HCH	17.78	30	PASS
11N40SISO	LCH	17.19	30	PASS
	MCH	17.09	30	PASS
	HCH	17.13	30	PASS

Test Graphs

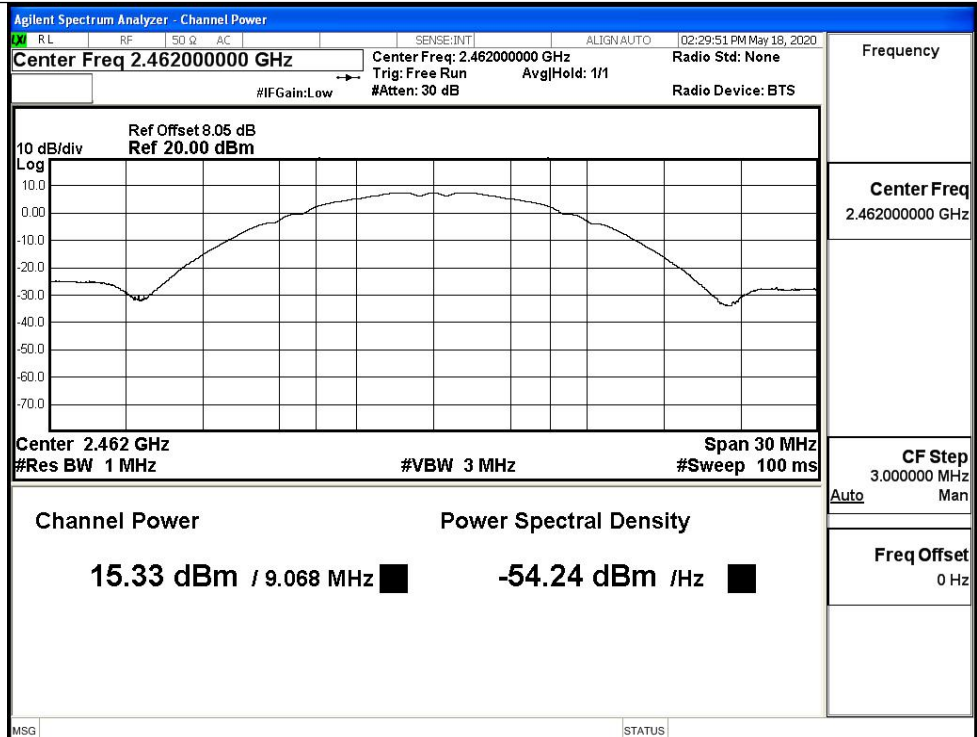
11B/LCH



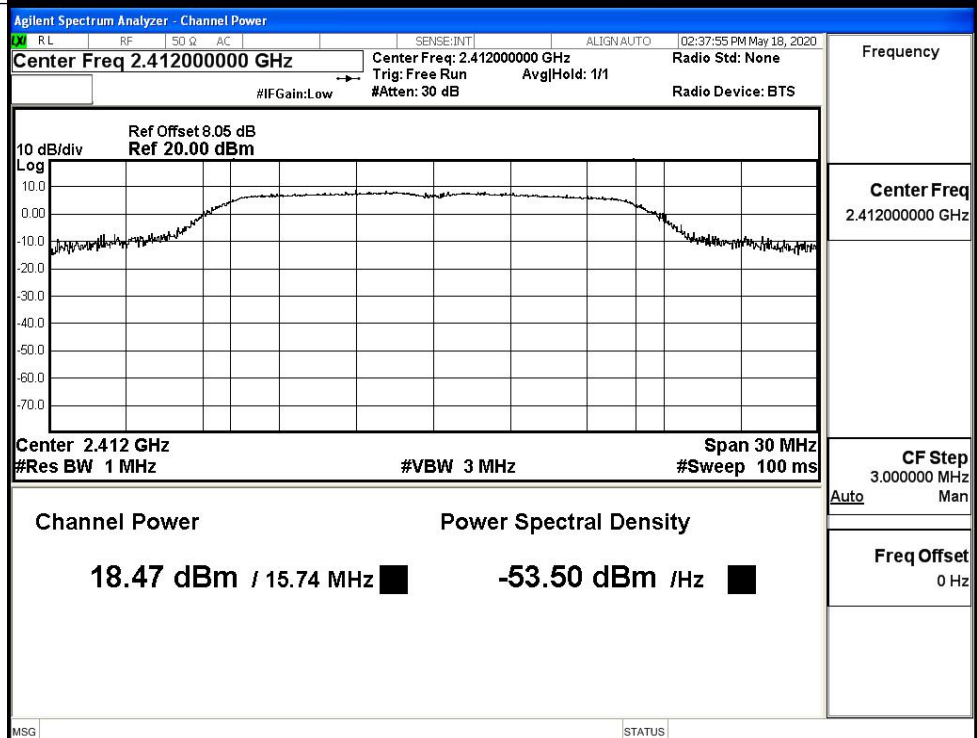
11B/MCH



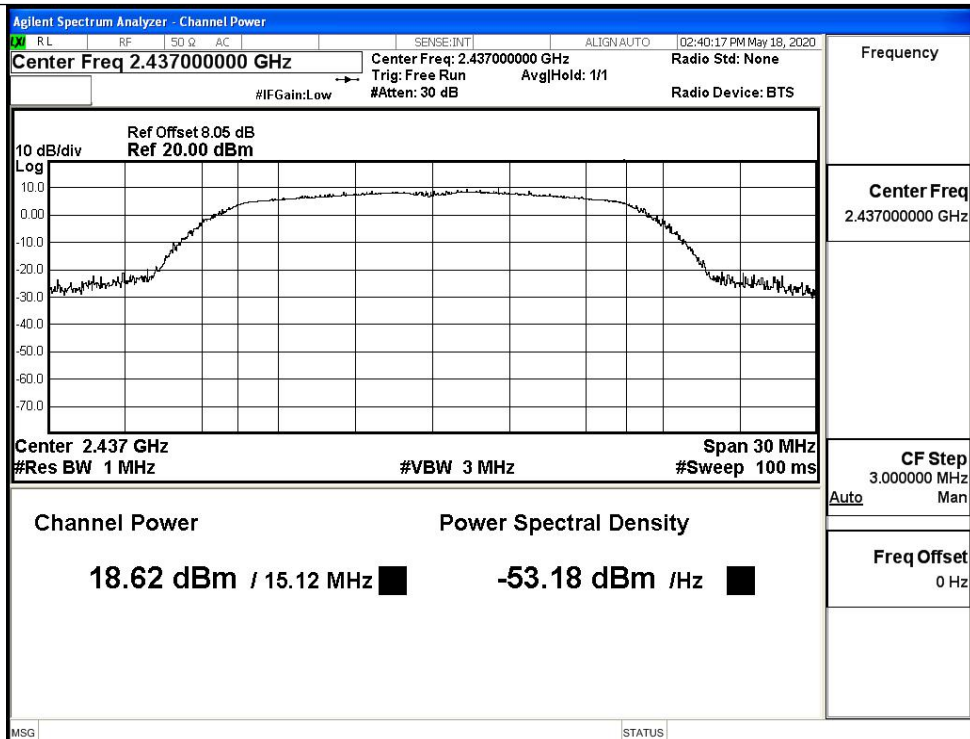
11B/HCH



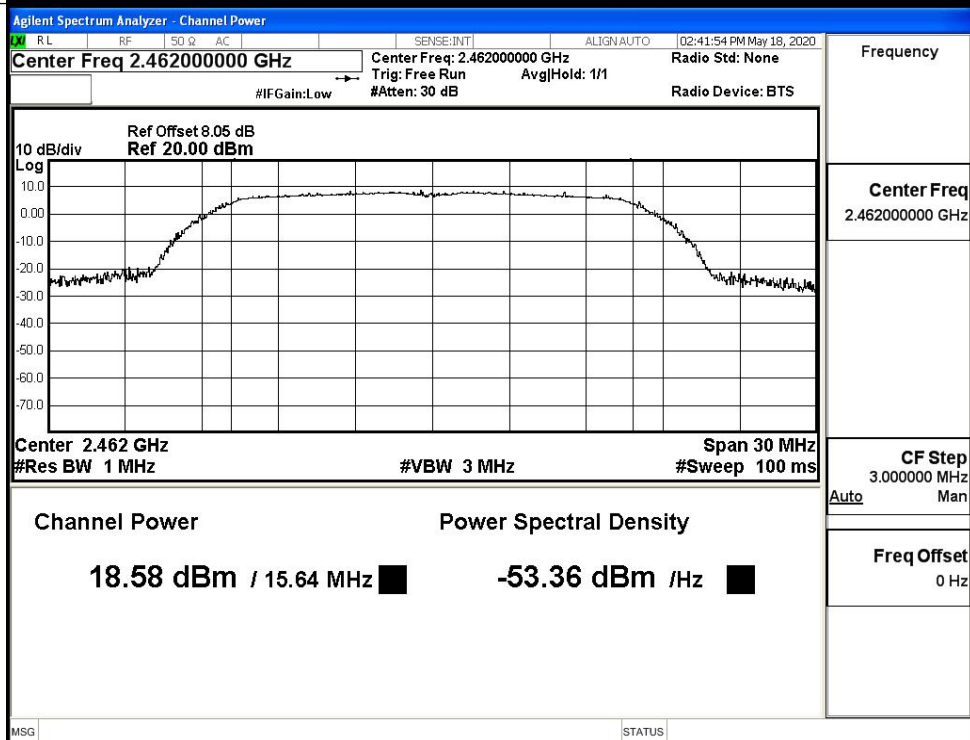
11G/LCH



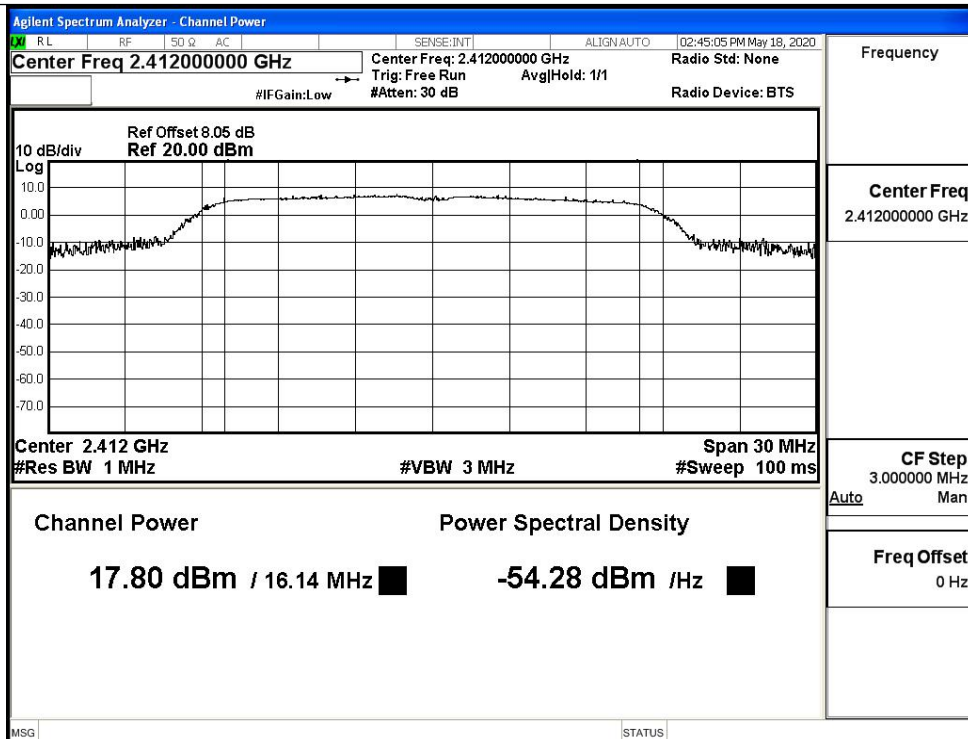
11G/MCH



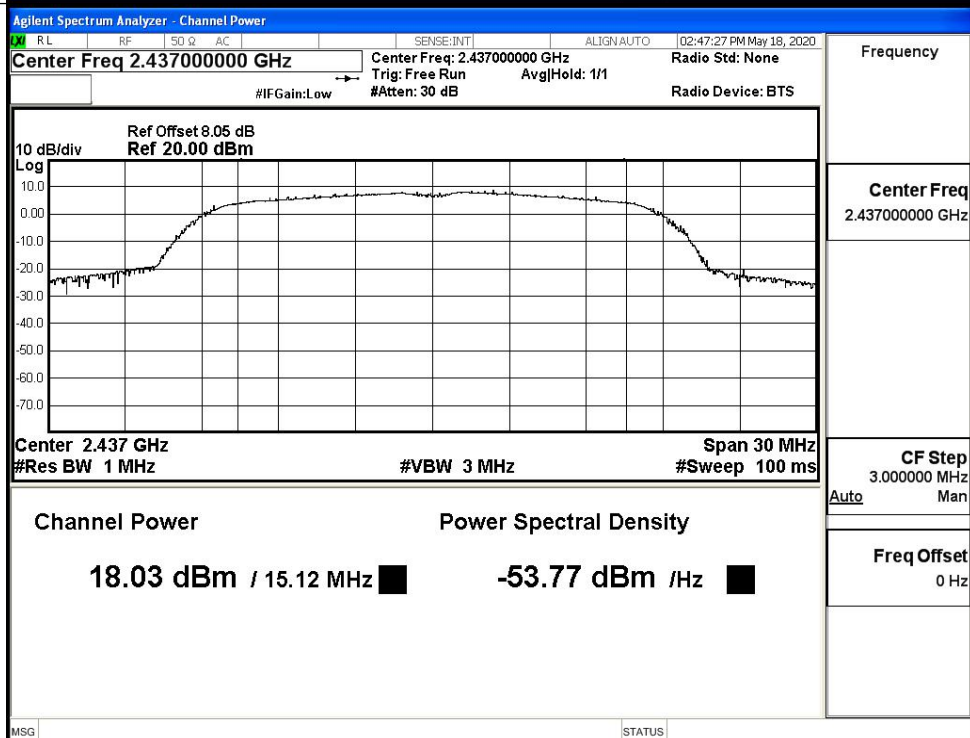
11G/HCH

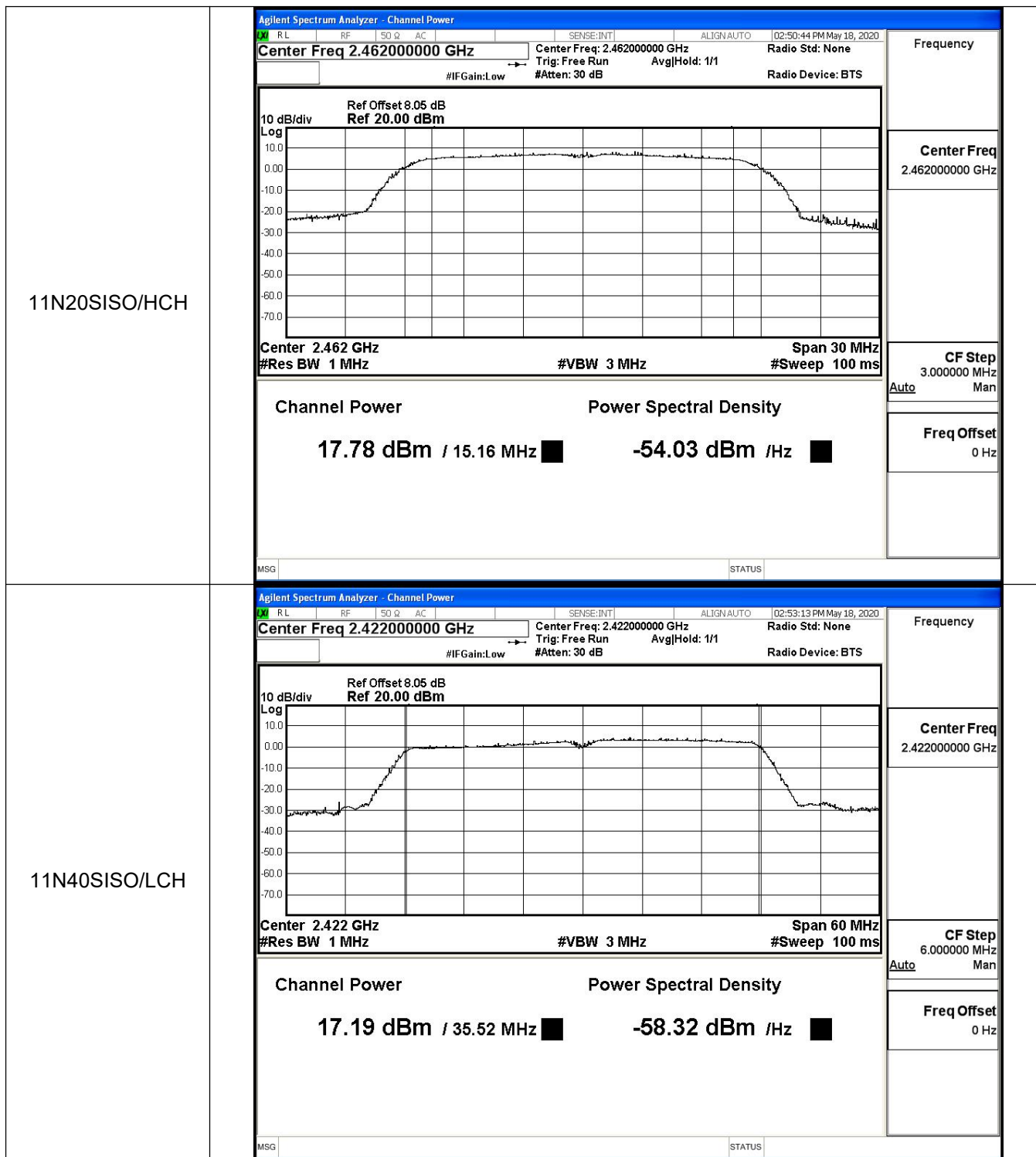


11N20SISO/LCH

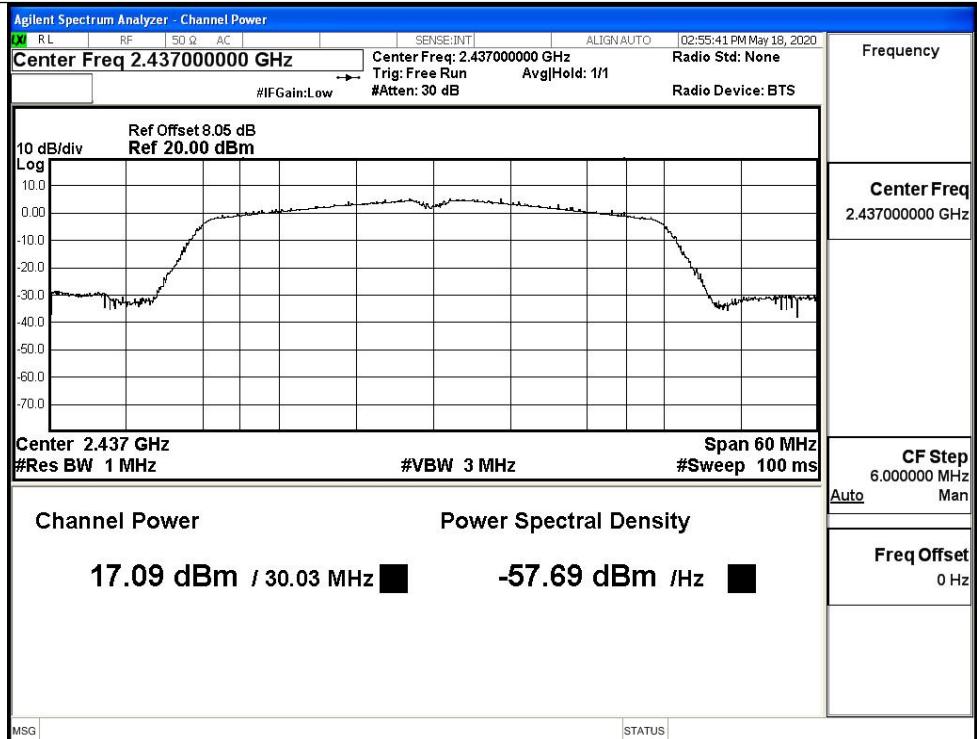


11N20SISO/MCH

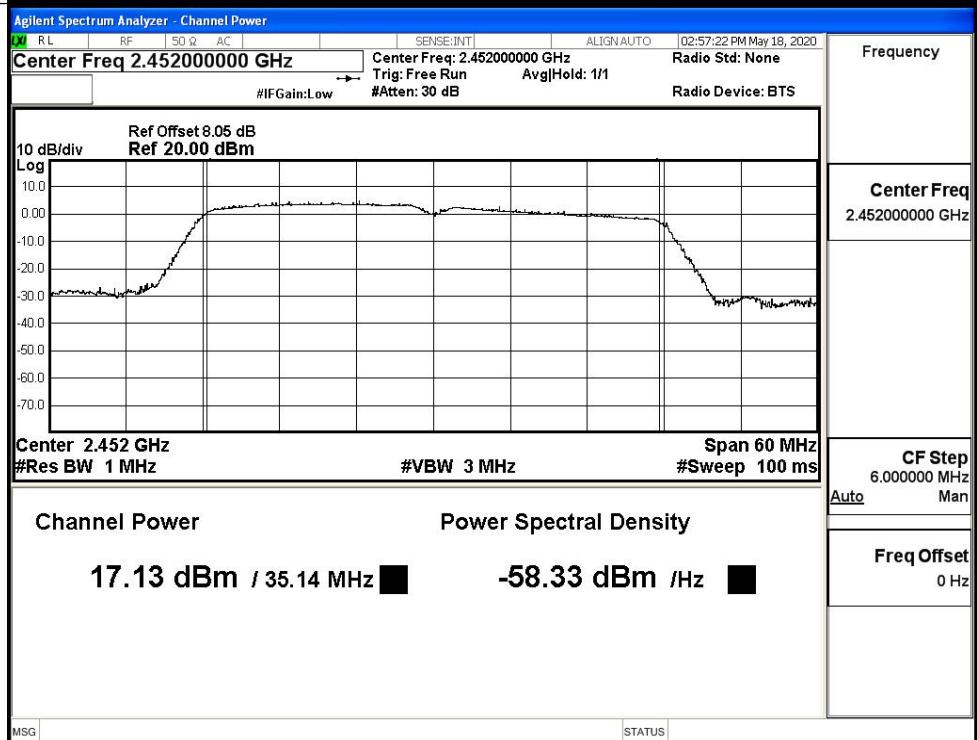




11N40SISO/MCH



11N40SISO/HCH

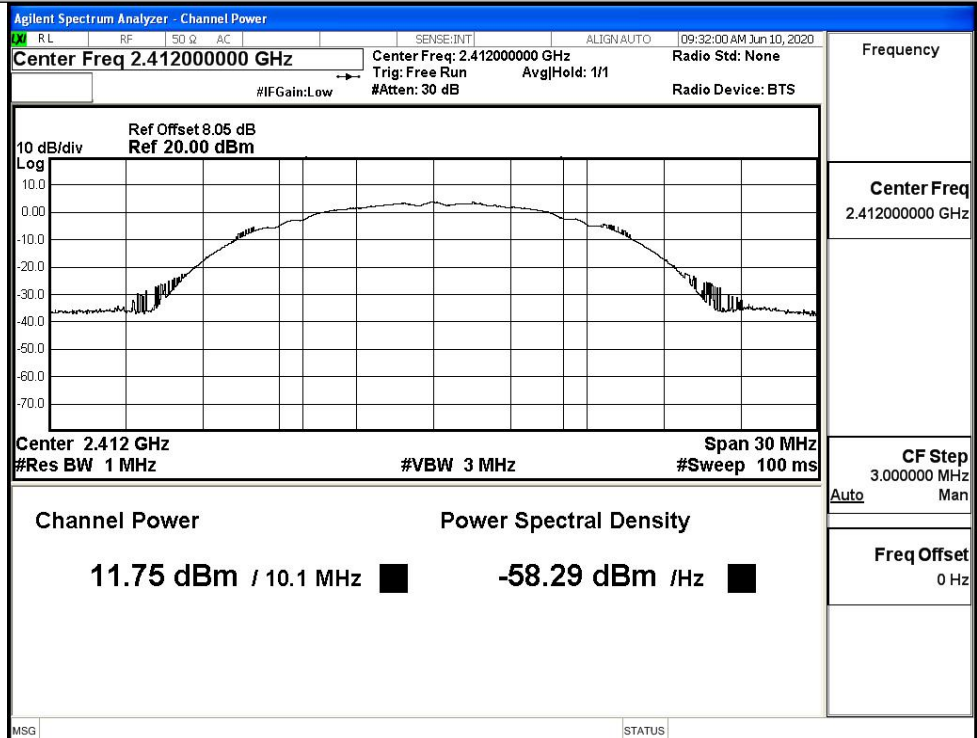


ANT 1

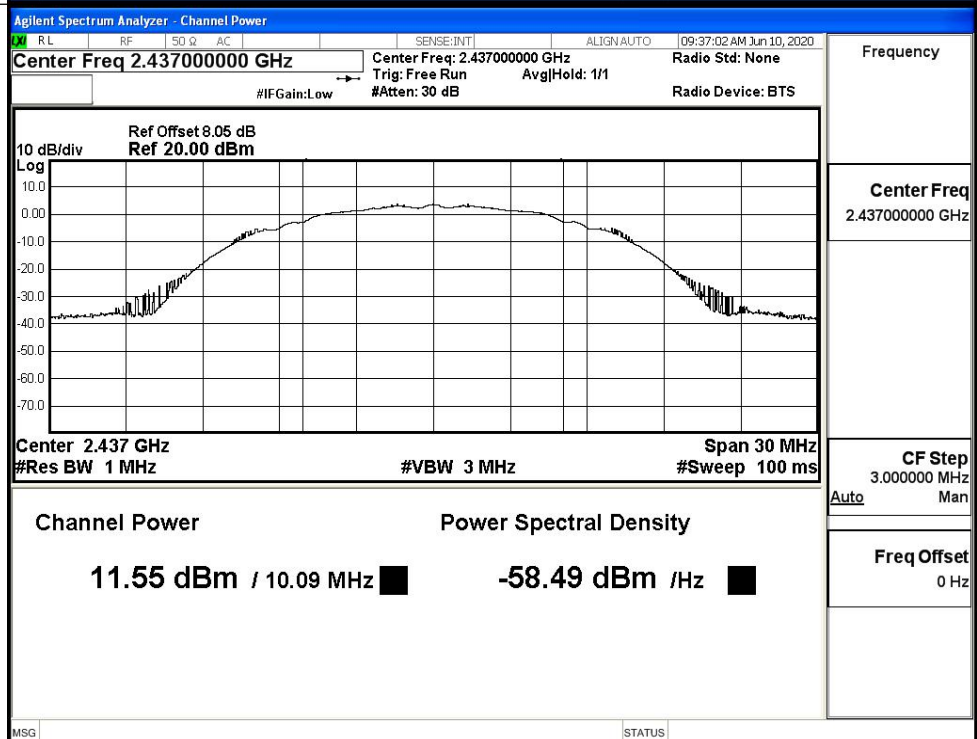
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	11.75	30	PASS
	MCH	11.55	30	PASS
	HCH	11.98	30	PASS
11G	LCH	10.76	30	PASS
	MCH	10.44	30	PASS
	HCH	10.41	30	PASS
11N20SISO	LCH	10.75	30	PASS
	MCH	10.94	30	PASS
	HCH	10.84	30	PASS
11N40SISO	LCH	10.57	30	PASS
	MCH	11.99	30	PASS
	HCH	10.92	30	PASS

Test Graphs

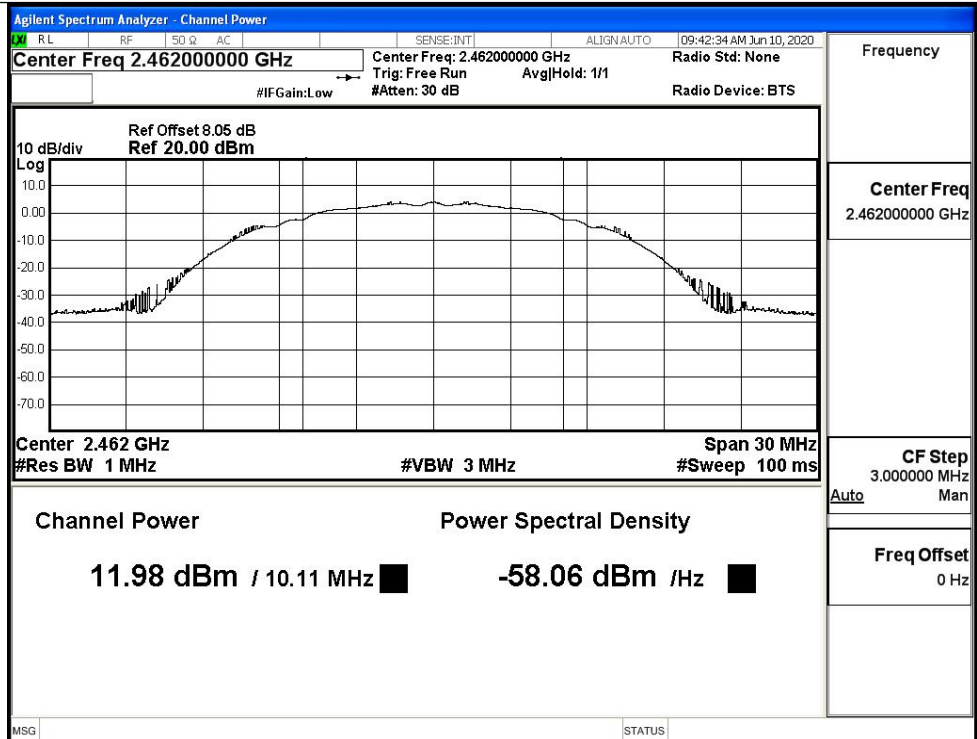
11B/LCH



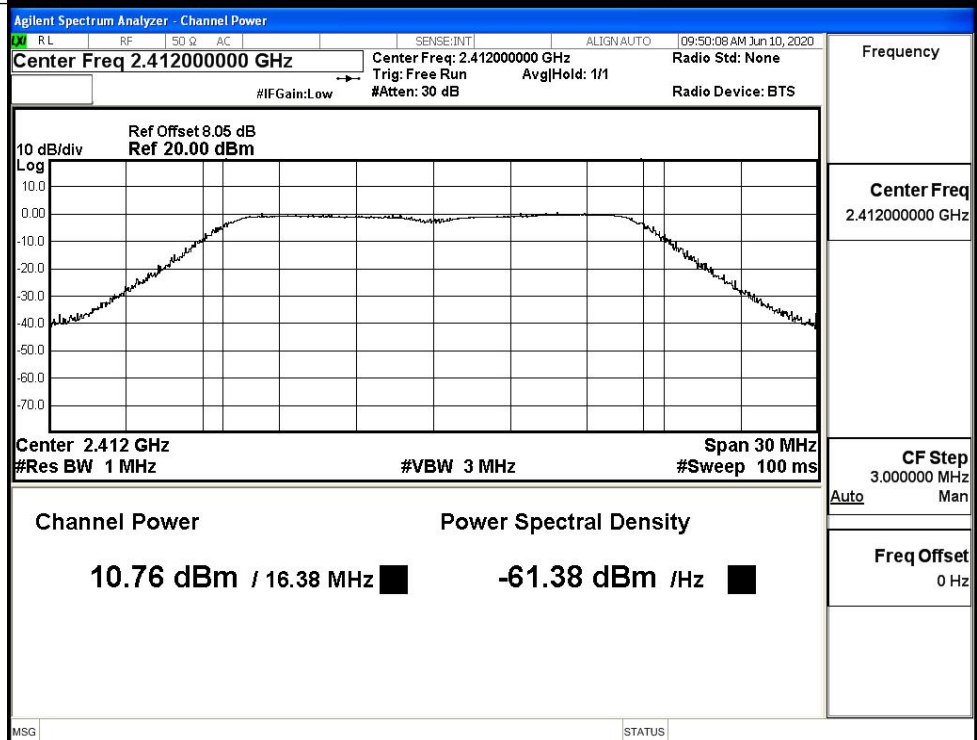
11B/MCH



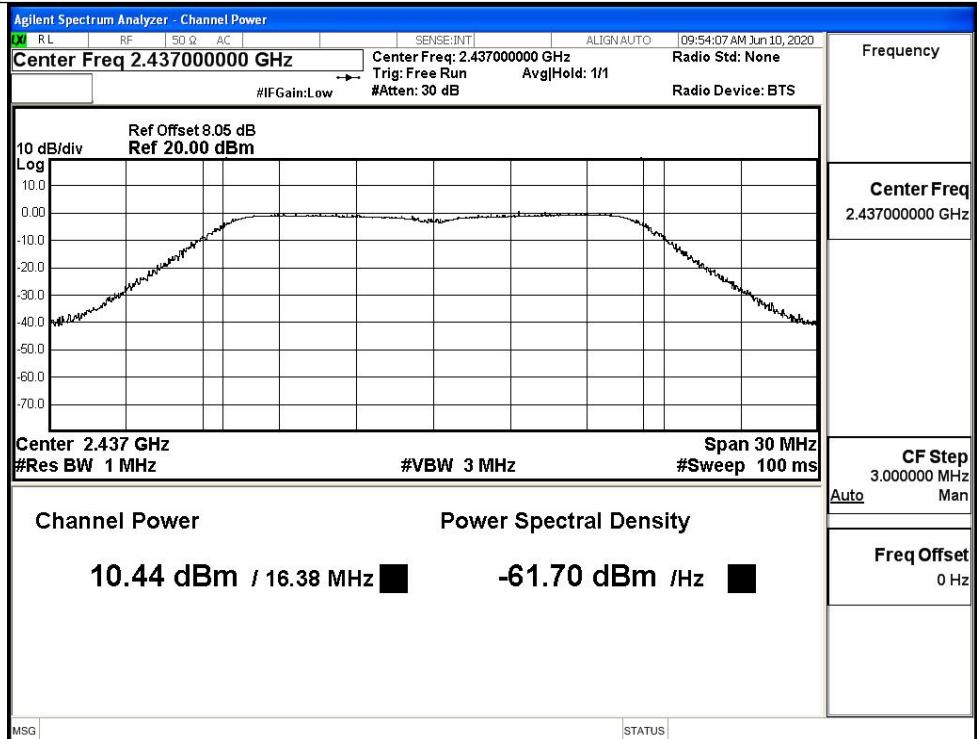
11B/HCH



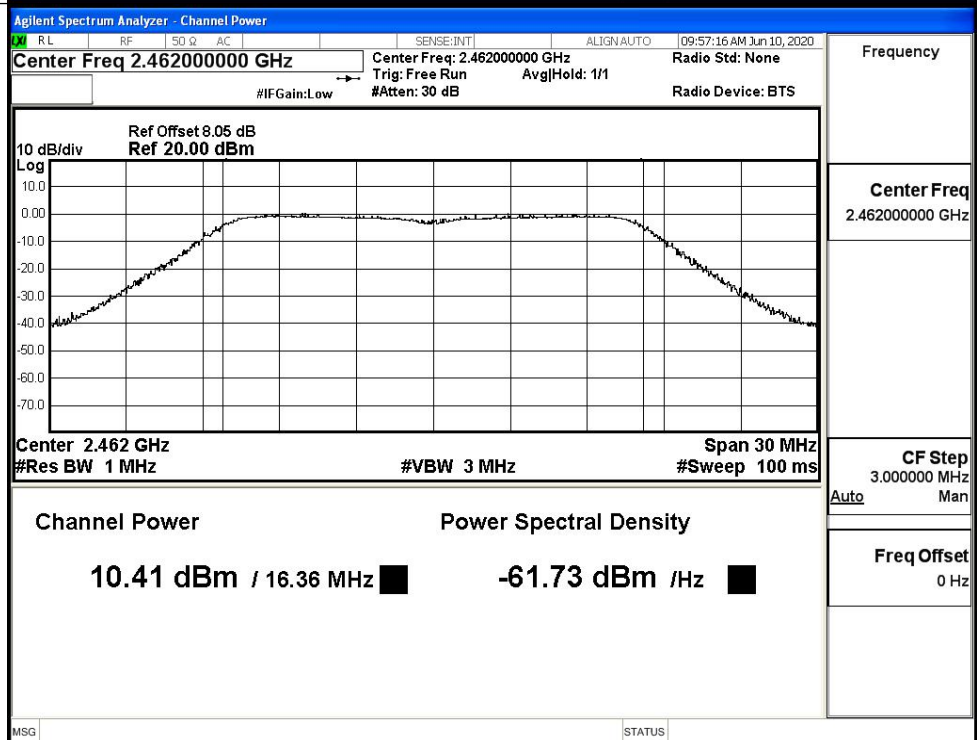
11G/LCH



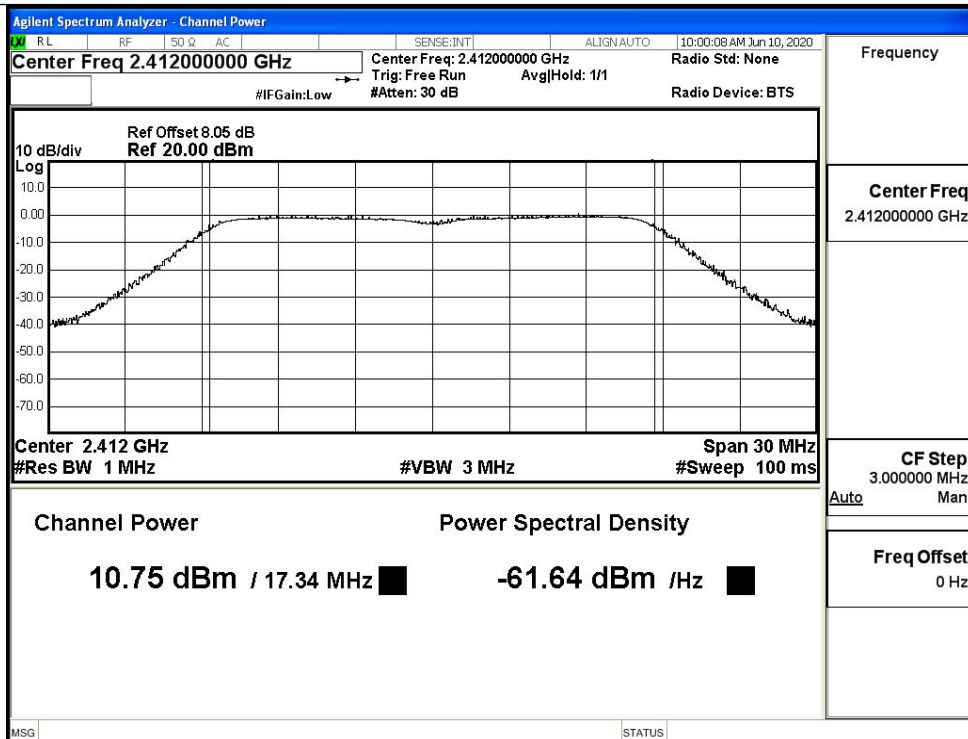
11G/MCH



11G/HCH



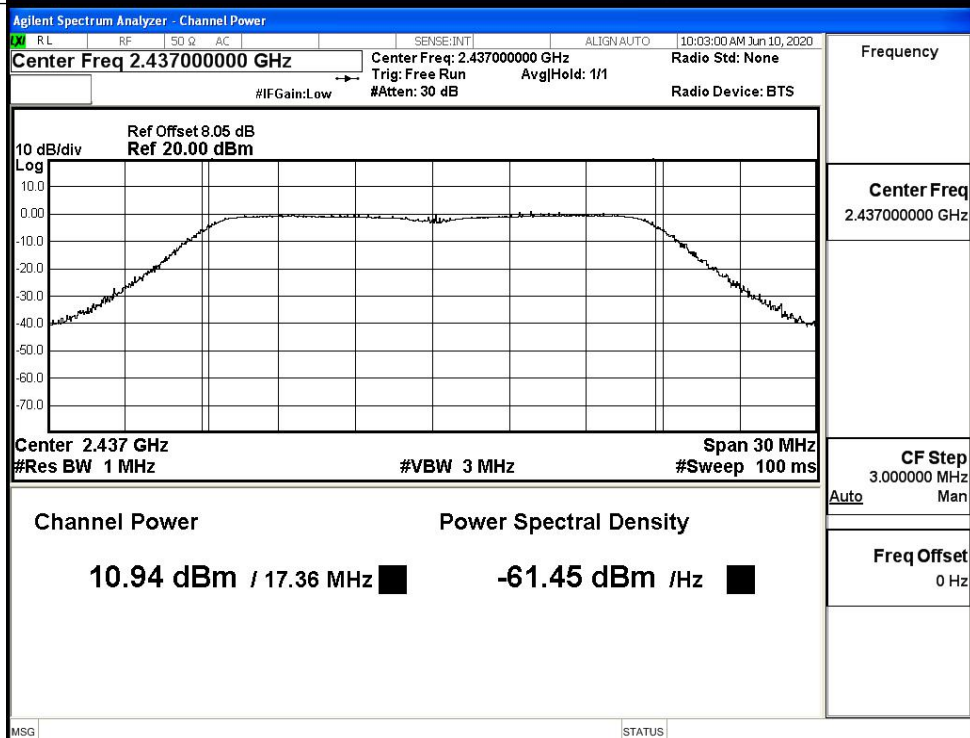
11N20SISO/LCH



Frequency

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

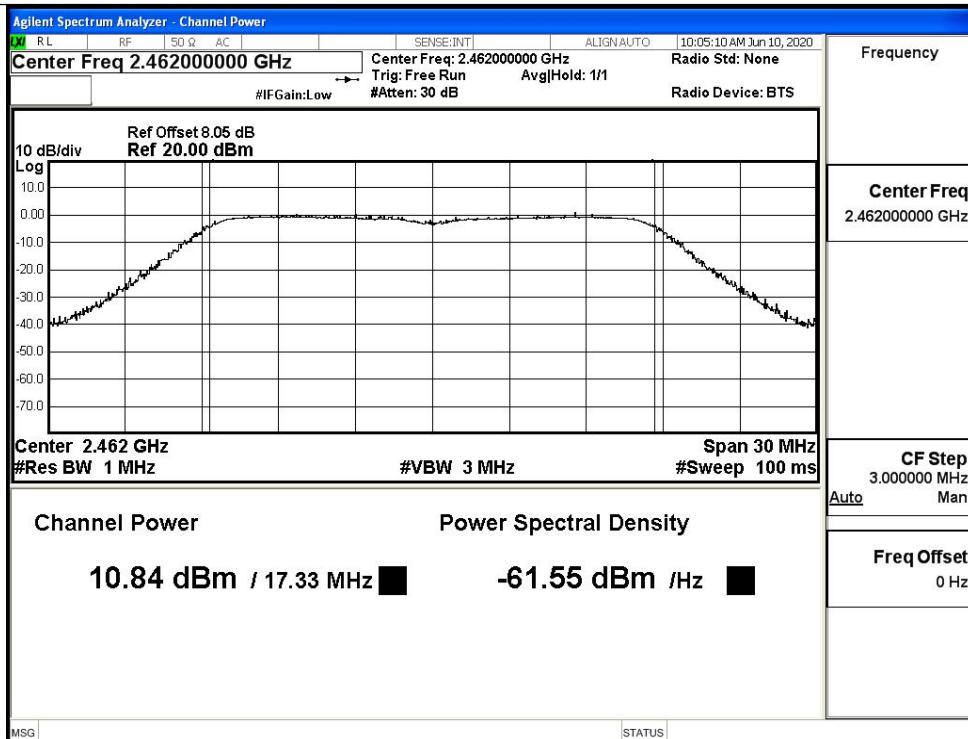
11N20SISO/MCH



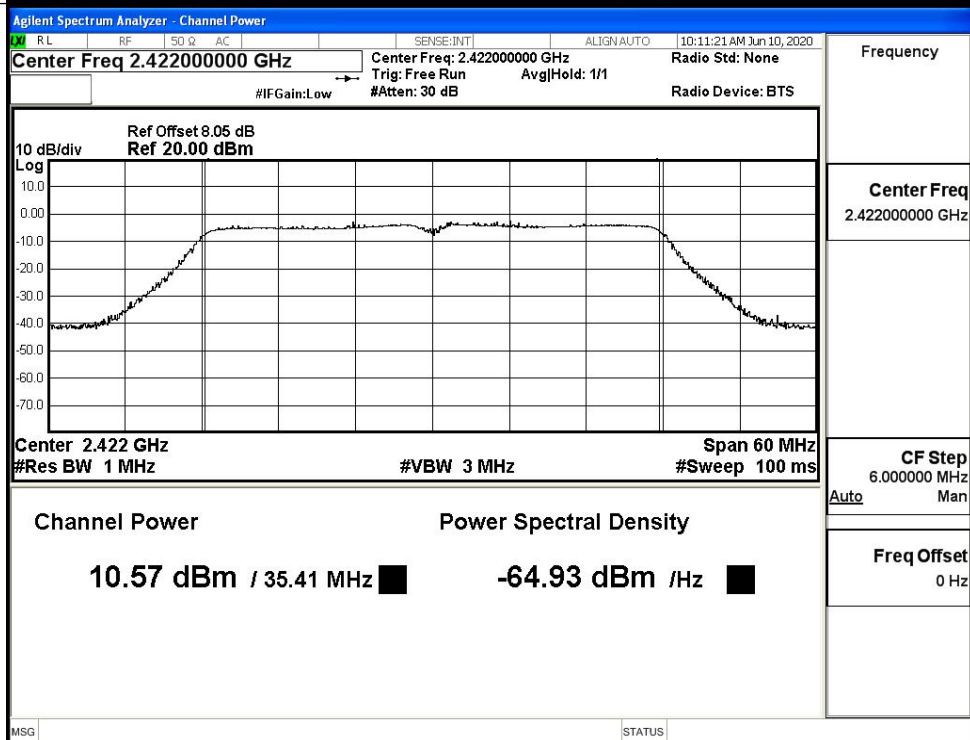
Frequency

Center Freq
2.437000000 GHzCF Step
3.000000 MHz
Auto ManFreq Offset
0 Hz

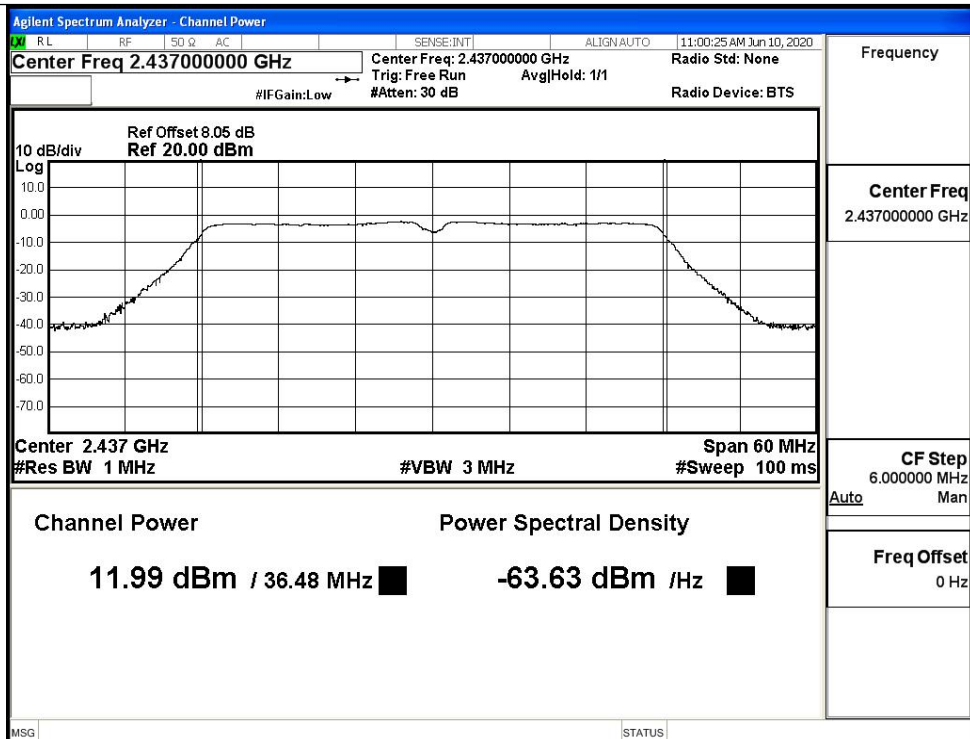
11N20SISO/HCH



11N40SISO/LCH



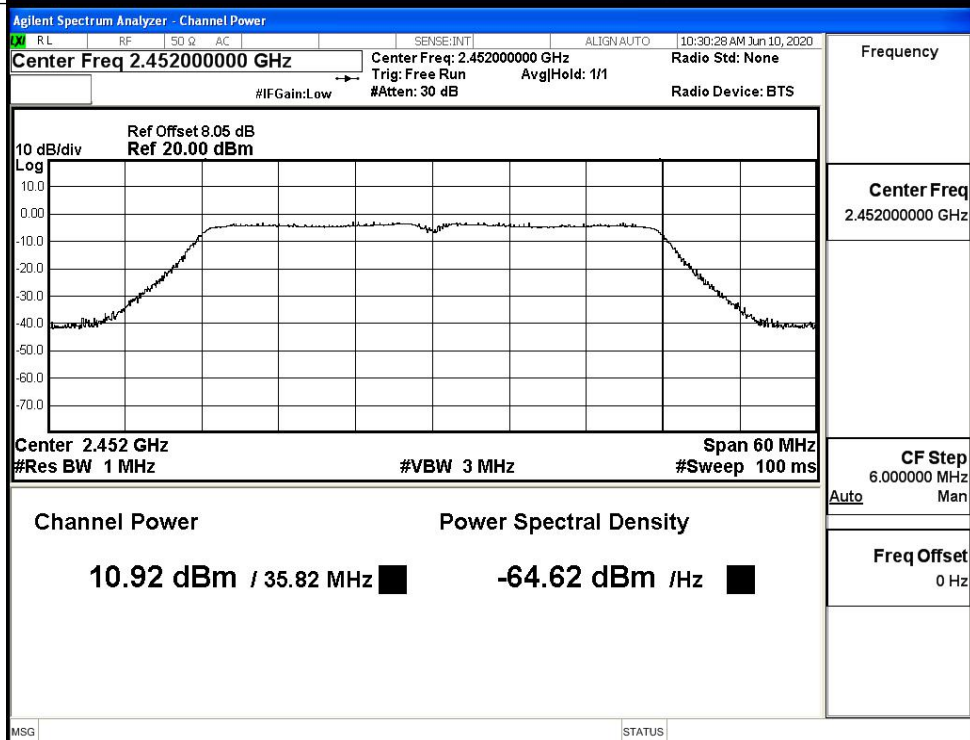
11N40SISO/MCH



Frequency

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

11N40SISO/HCH



Frequency

Center Freq
2.452000000 GHzCF Step
6.000000 MHz
Auto ManFreq Offset
0 Hz

Ant 0+1

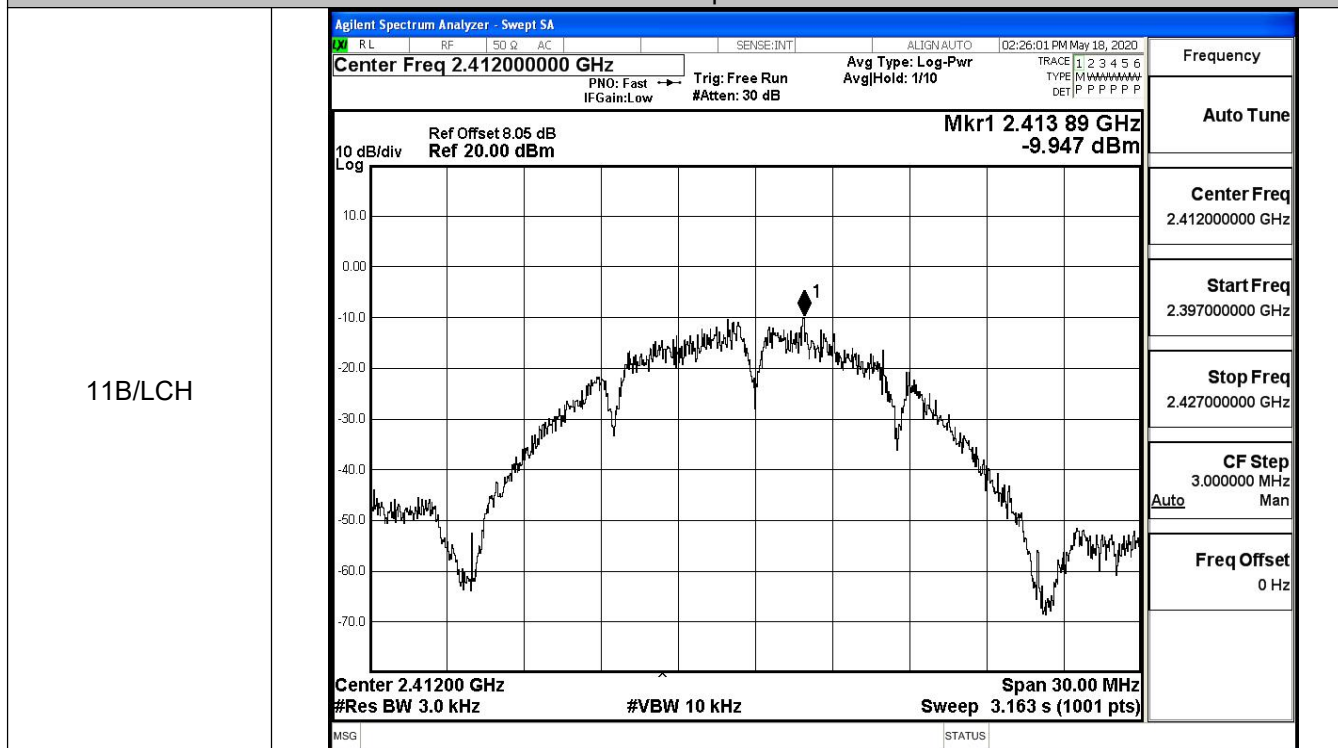
Mode	Channel	ANT 0 [dBm]	ANT 1 [dBm]	MIMO [dBm]	Limit [dBm]	Verdict
11N20SISO	LCH	17.80	10.75	19.15	30	PASS
	MCH	18.03	10.94	19.23	30	PASS
	HCH	17.78	10.84	19.20	30	PASS
11N40SISO	LCH	17.19	10.57	18.58	30	PASS
	MCH	17.09	11.99	18.81	30	PASS
	HCH	17.13	10.92	18.58	30	PASS

C.3 Maximum Power Spectral Density

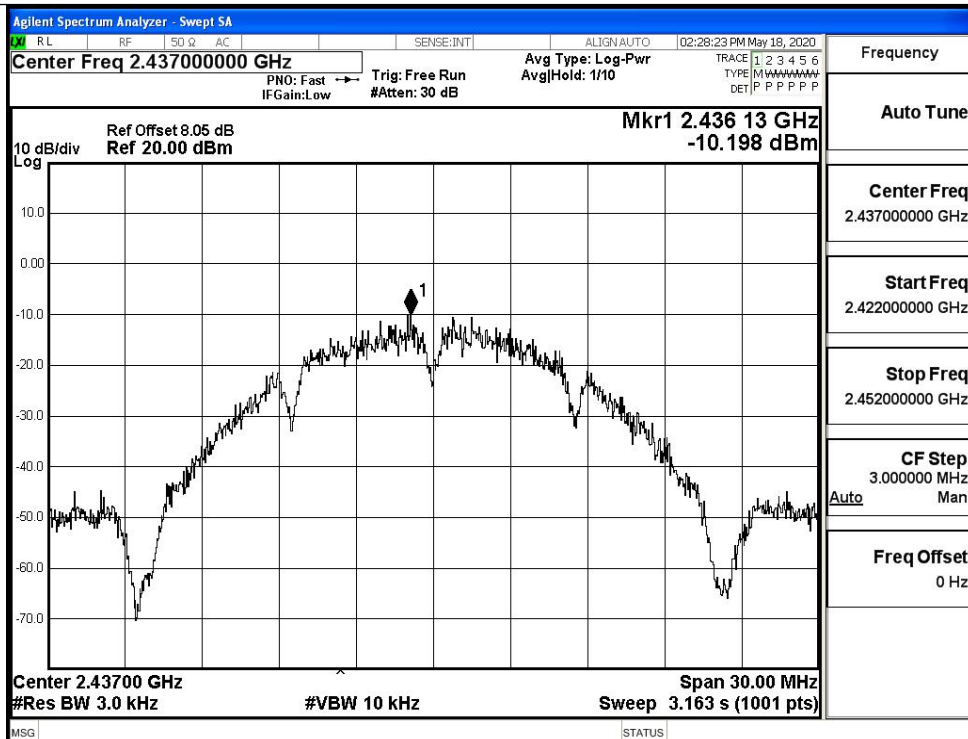
ANT 0

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-9.947	8	PASS
	MCH	-10.198	8	PASS
	HCH	-9.875	8	PASS
11G	LCH	-15.013	8	PASS
	MCH	-15.149	8	PASS
	HCH	-15.279	8	PASS
11N20SISO	LCH	-15.713	8	PASS
	MCH	-14.542	8	PASS
	HCH	-15.946	8	PASS
11N40SISO	LCH	-19.042	8	PASS
	MCH	-17.640	8	PASS
	HCH	-18.607	8	PASS

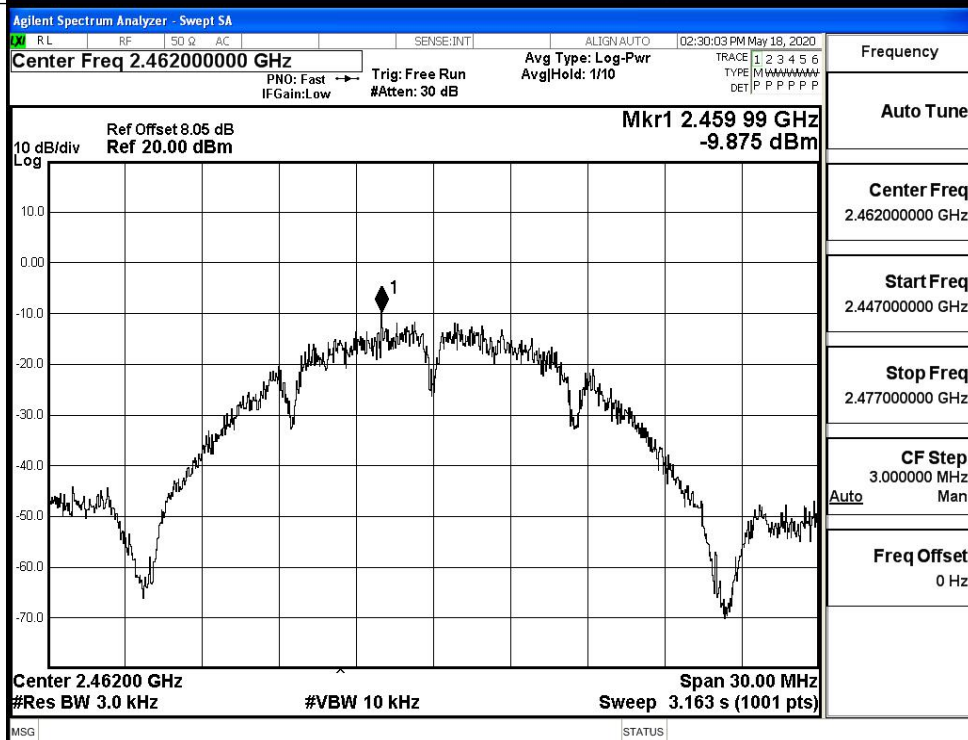
Test Graphs



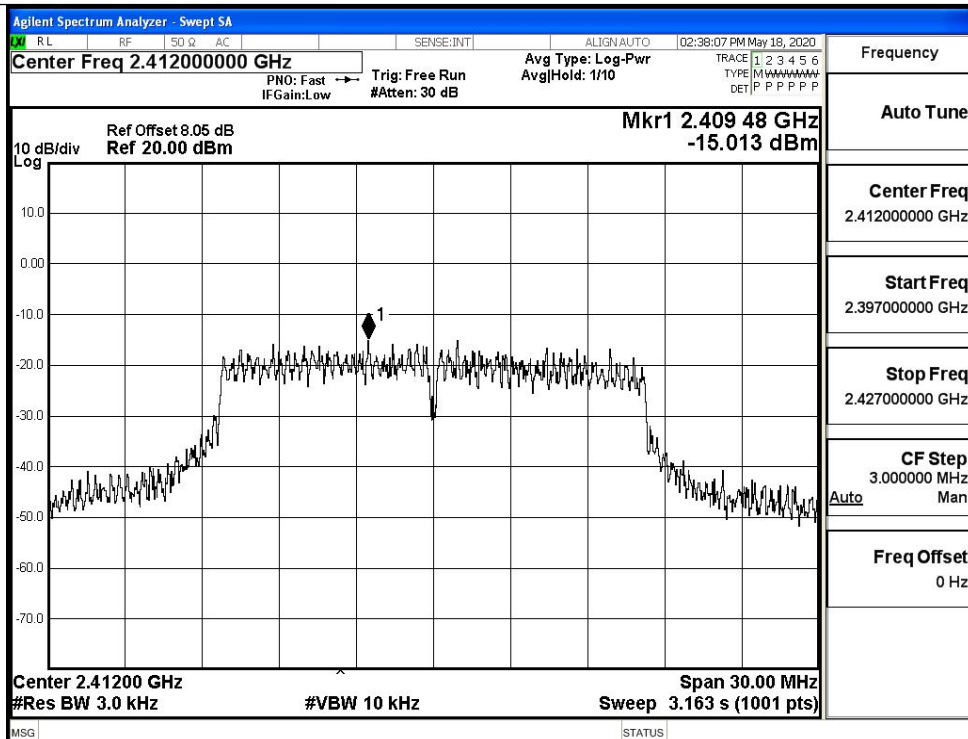
11B/MCH



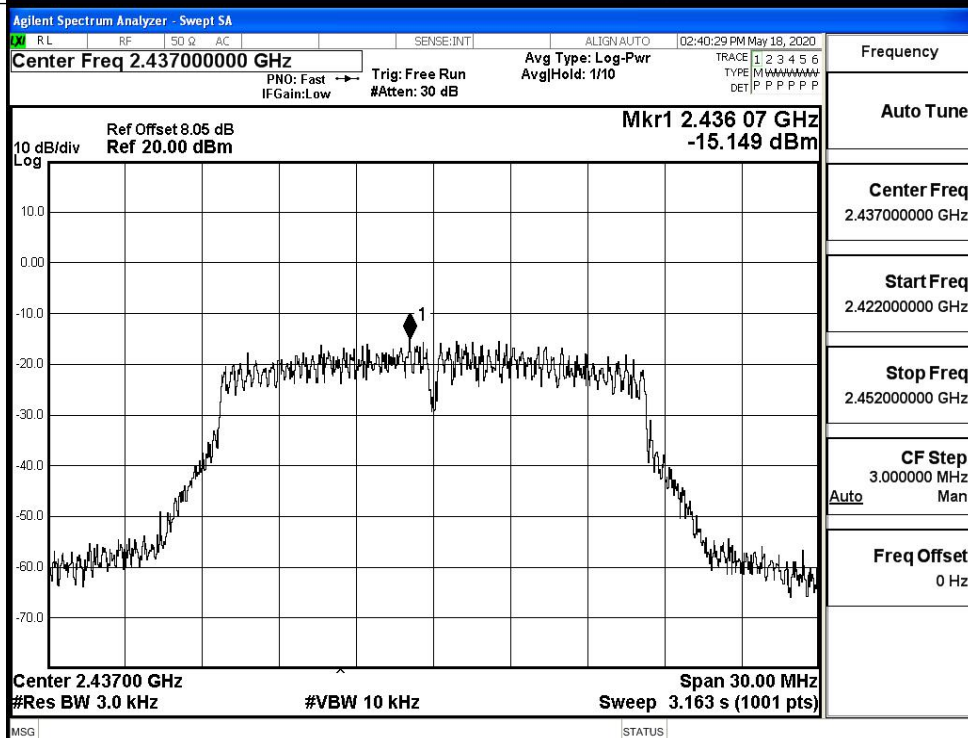
11B/HCH



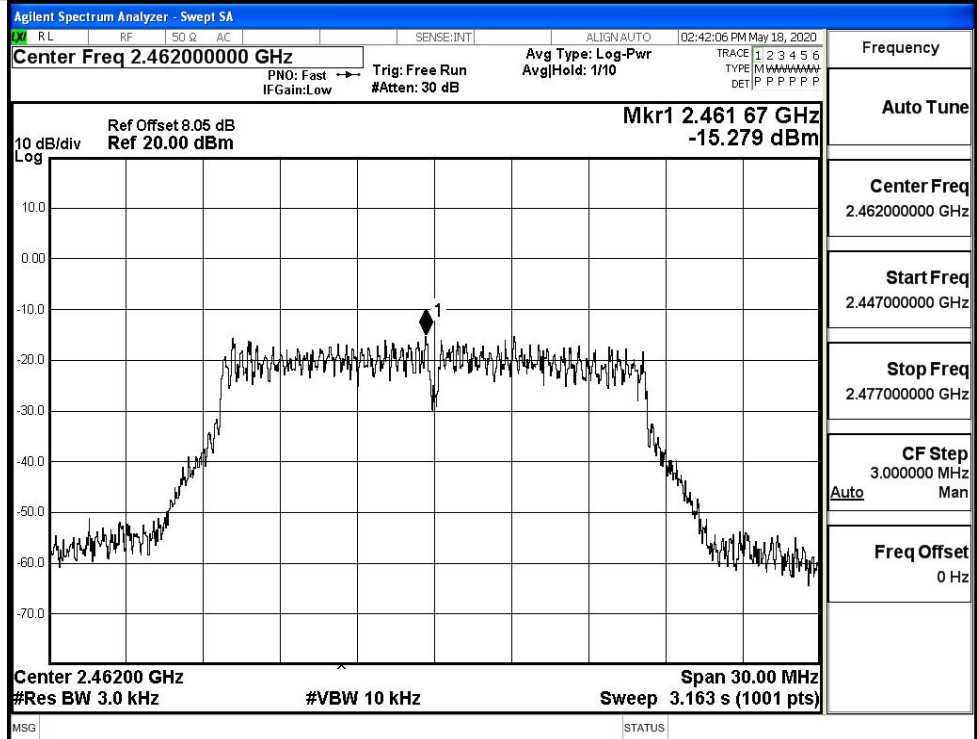
11G/LCH



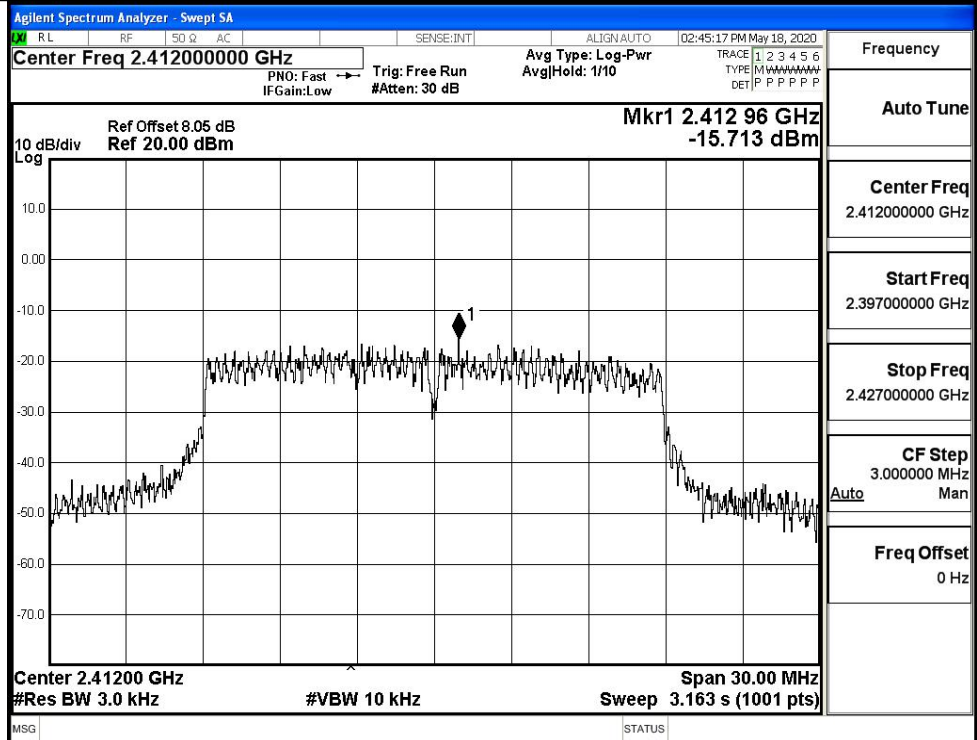
11G/MCH



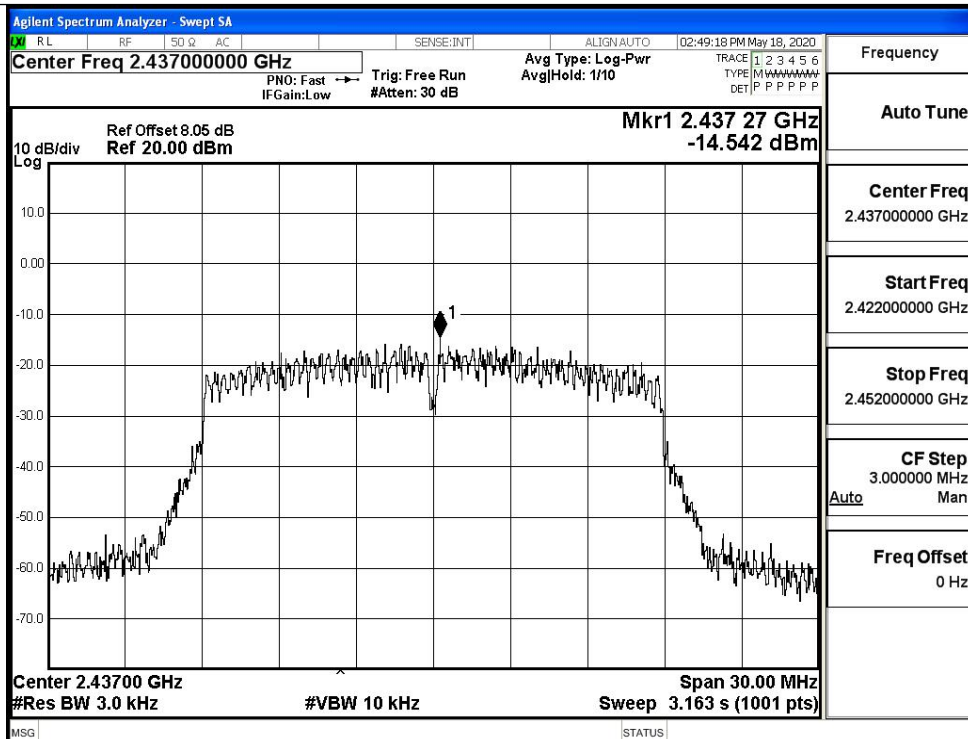
11G/HCH



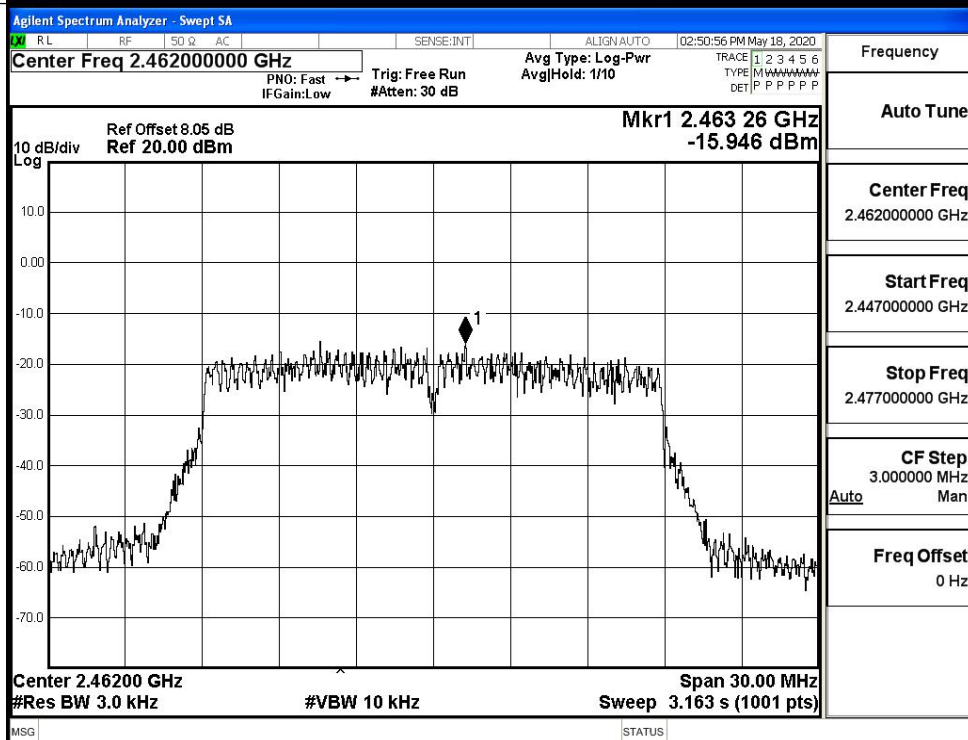
11N20SISO/LCH



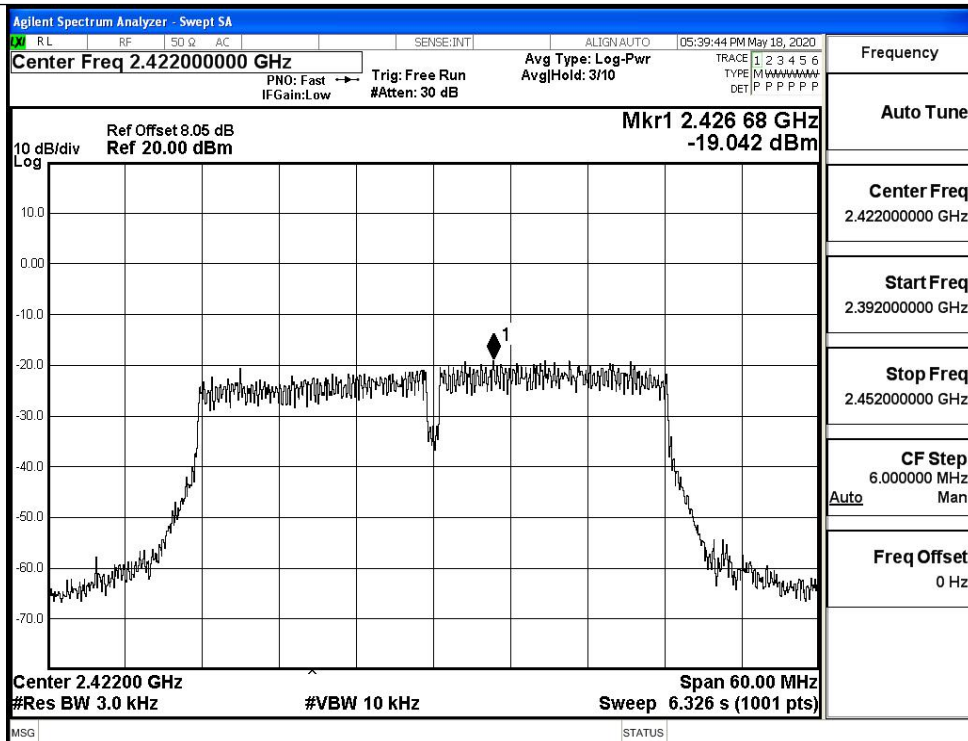
11N20SISO/MCH



11N20SISO/HCH



11N40SISO/LCH



11N40SISO/MCH

