

Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Smart phone

Trade Mark: S SMOOTH

Test Model: SMOOTH 5.0

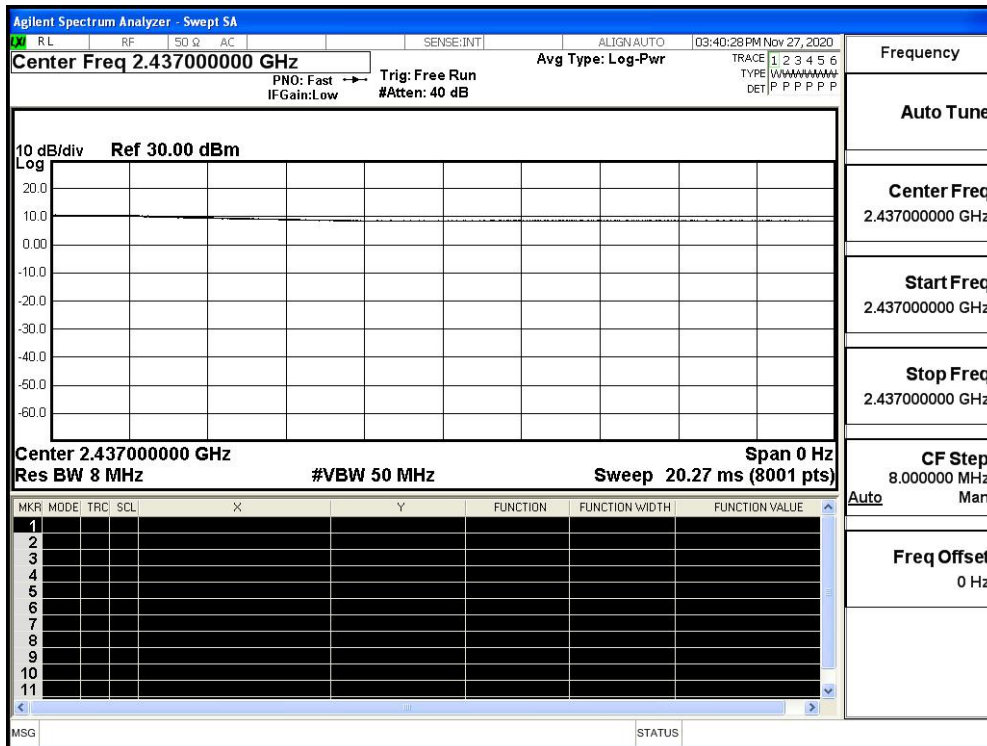
Environmental Conditions

Temperature:	22.3° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

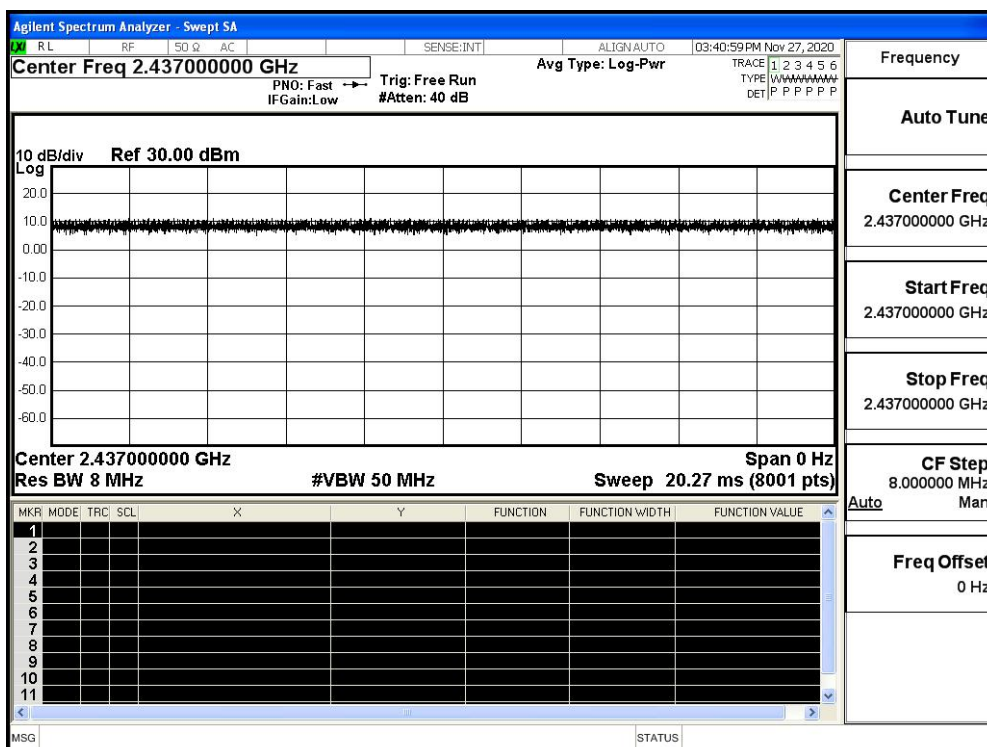
C.1 Duty Cycle

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

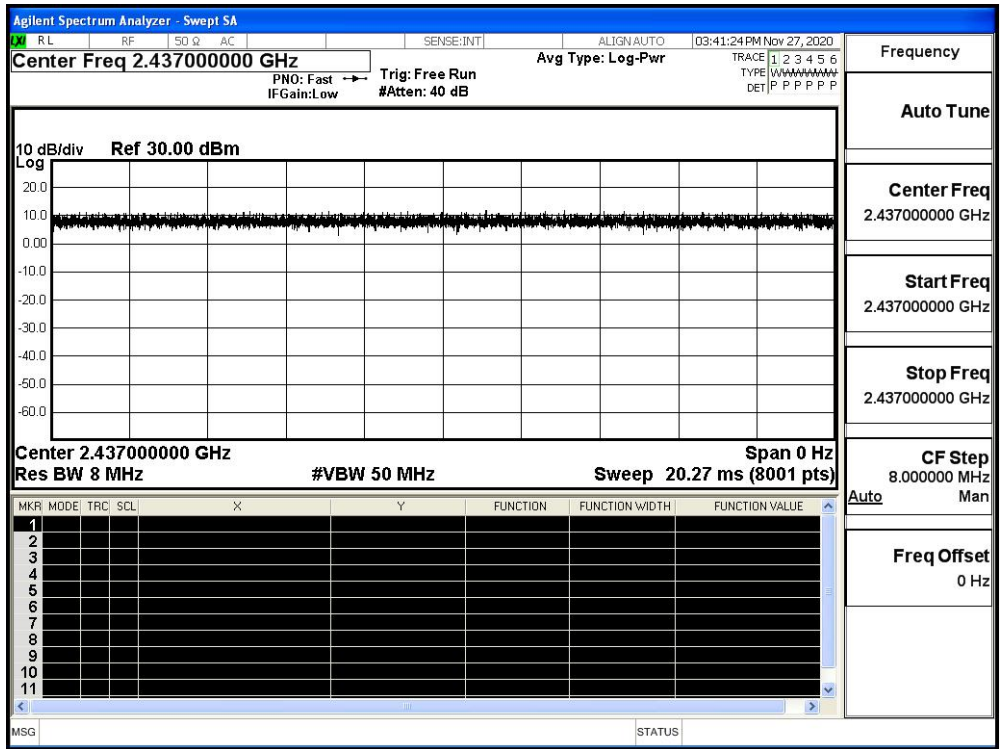
Duty Cycle_11B_2437_Ant1



Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1

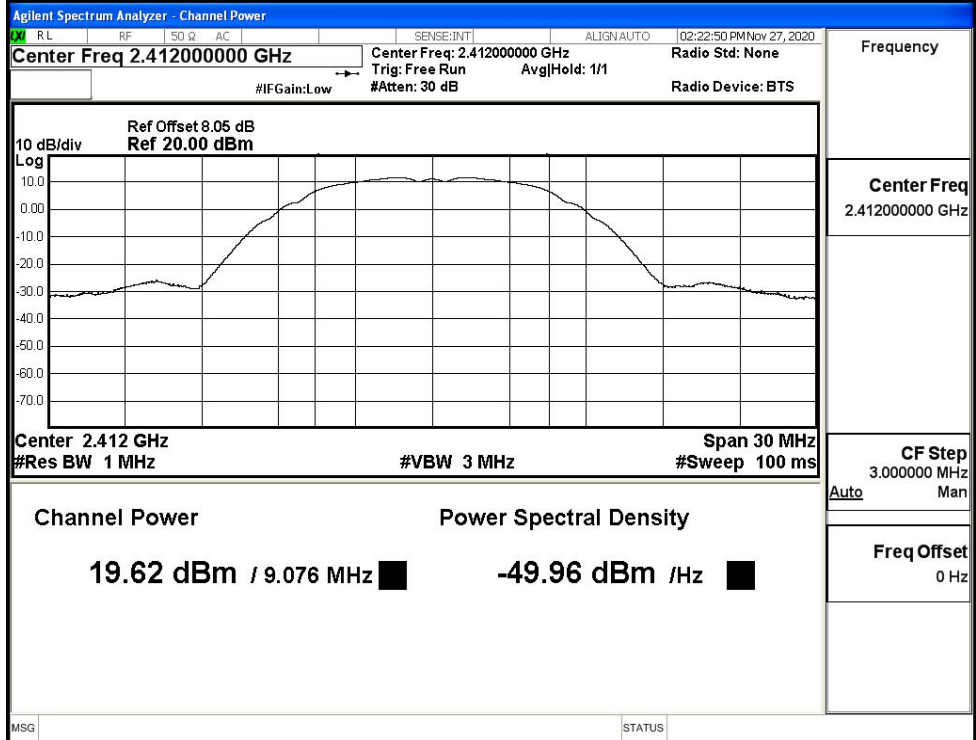


C.2 Maximum Conducted Output Power

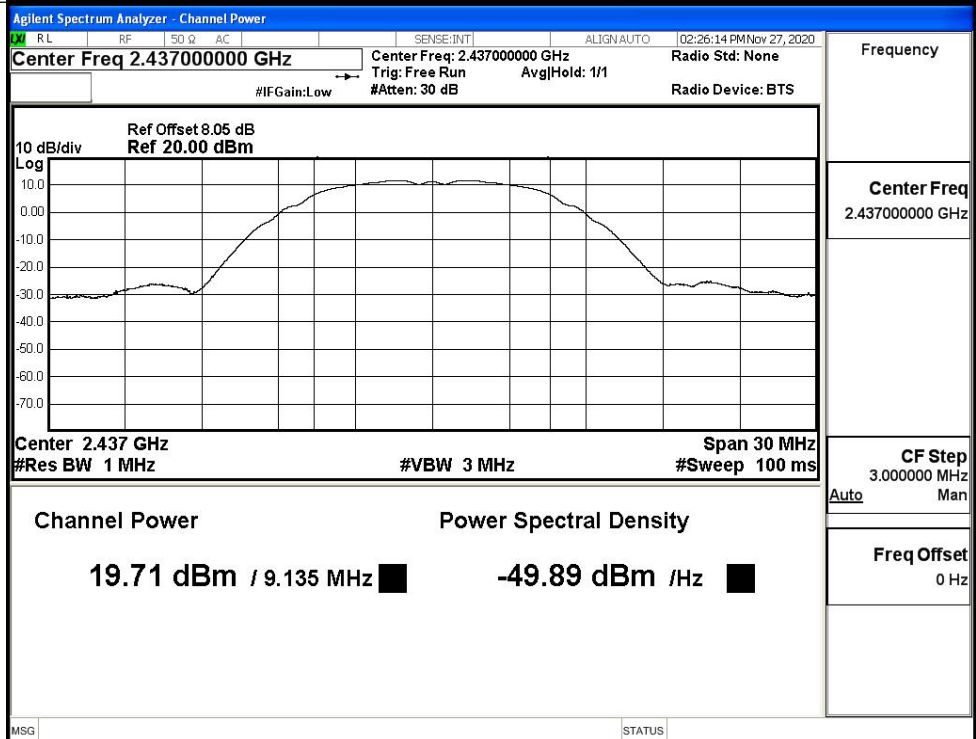
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	19.62	30	PASS
	MCH	19.71	30	PASS
	HCH	20.77	30	PASS
11G	LCH	22.00	30	PASS
	MCH	24.11	30	PASS
	HCH	25.24	30	PASS
11N20SISO	LCH	23.86	30	PASS
	MCH	23.66	30	PASS
	HCH	24.59	30	PASS

Test Graphs

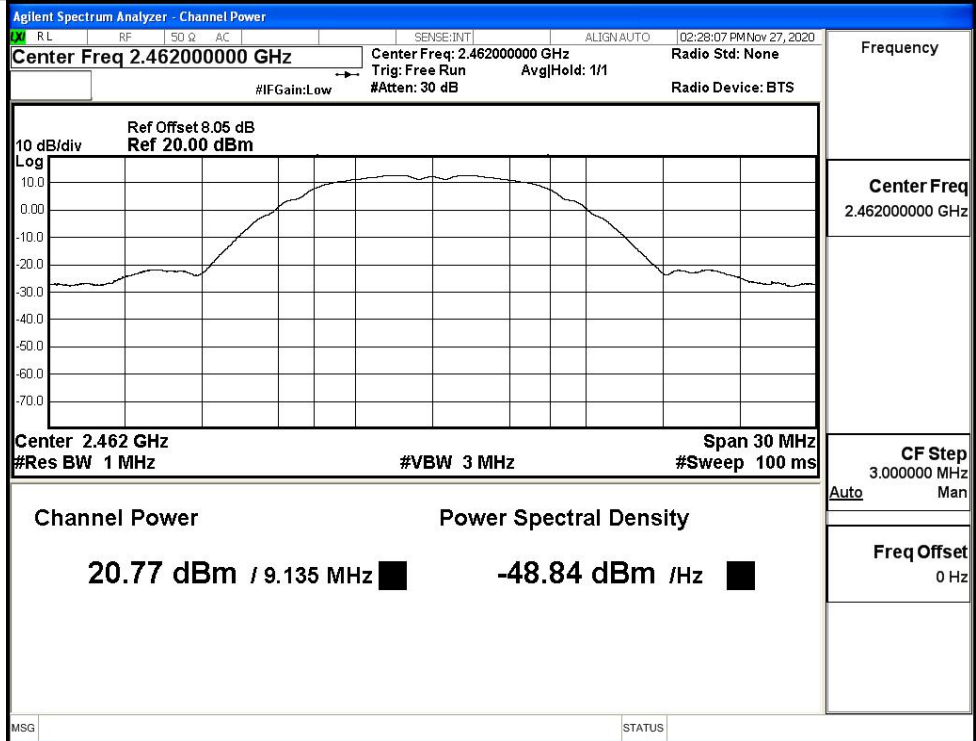
11B/LCH



11B/MCH

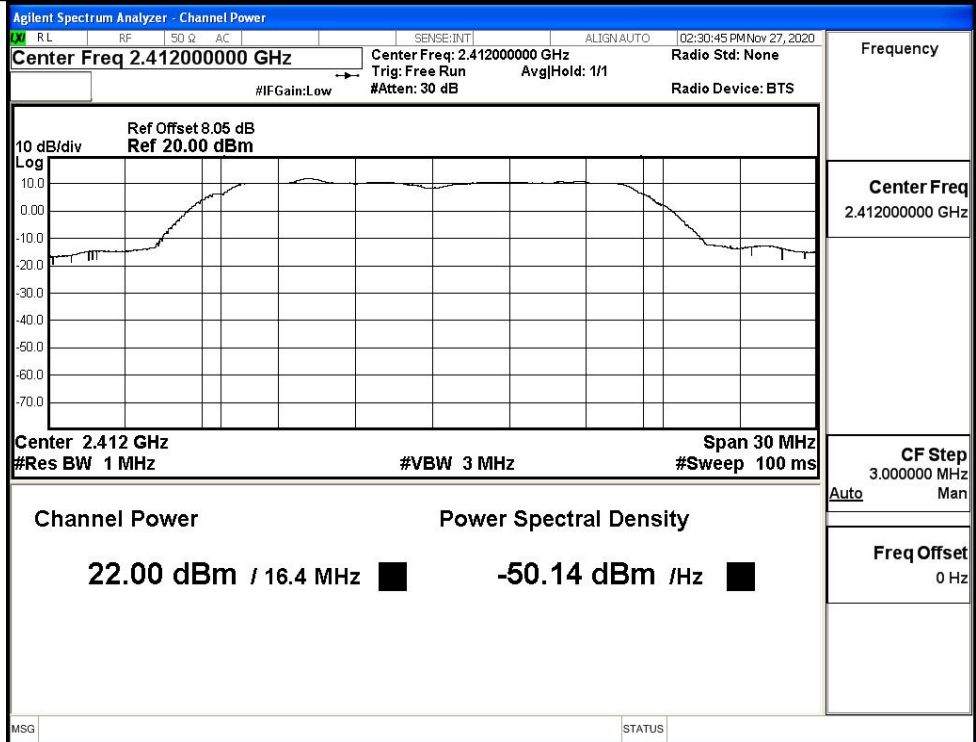


11B/HCH



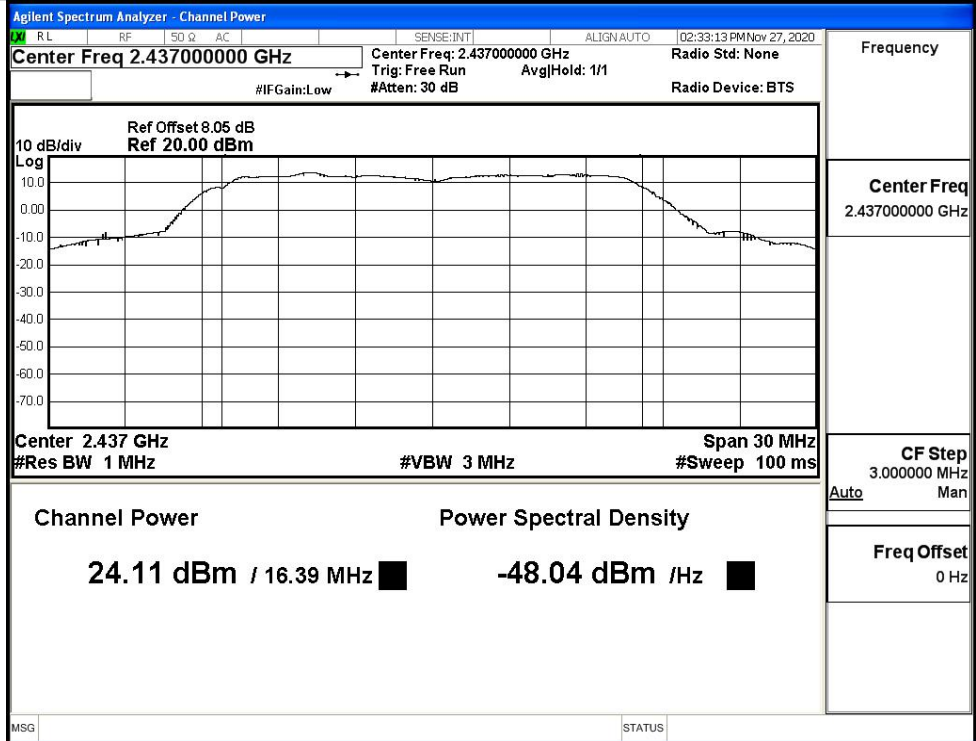
Frequency	Center Freq 2.46200000 GHz
CF Step	3.000000 MHz Auto Man
Freq Offset	0 Hz

11G/LCH

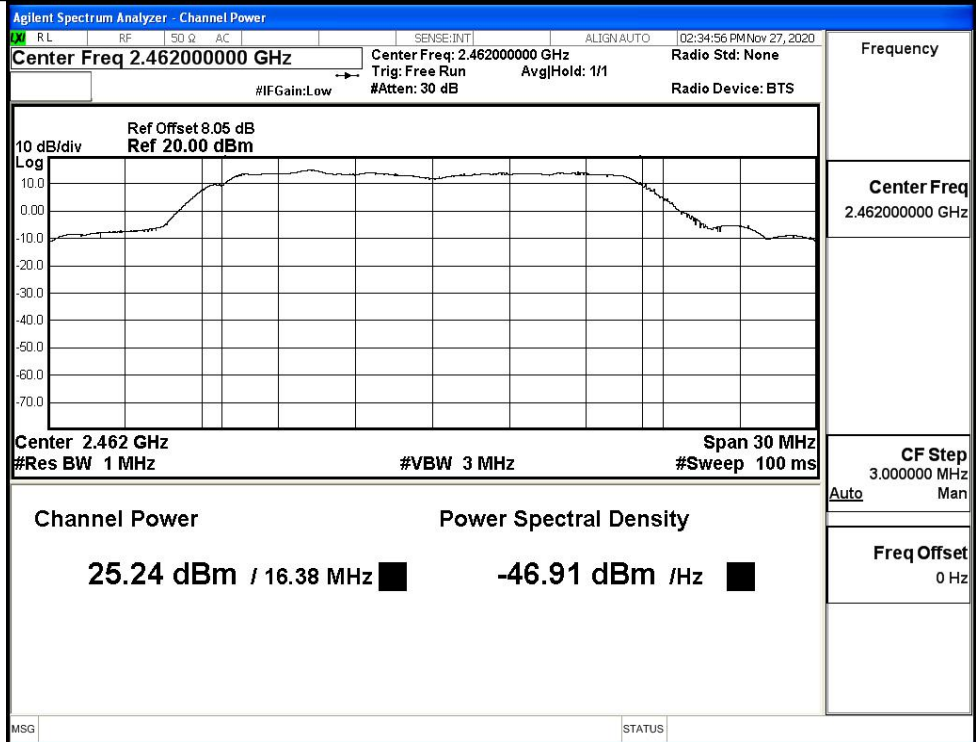


Frequency	Center Freq 2.41200000 GHz
CF Step	3.000000 MHz Auto Man
Freq Offset	0 Hz

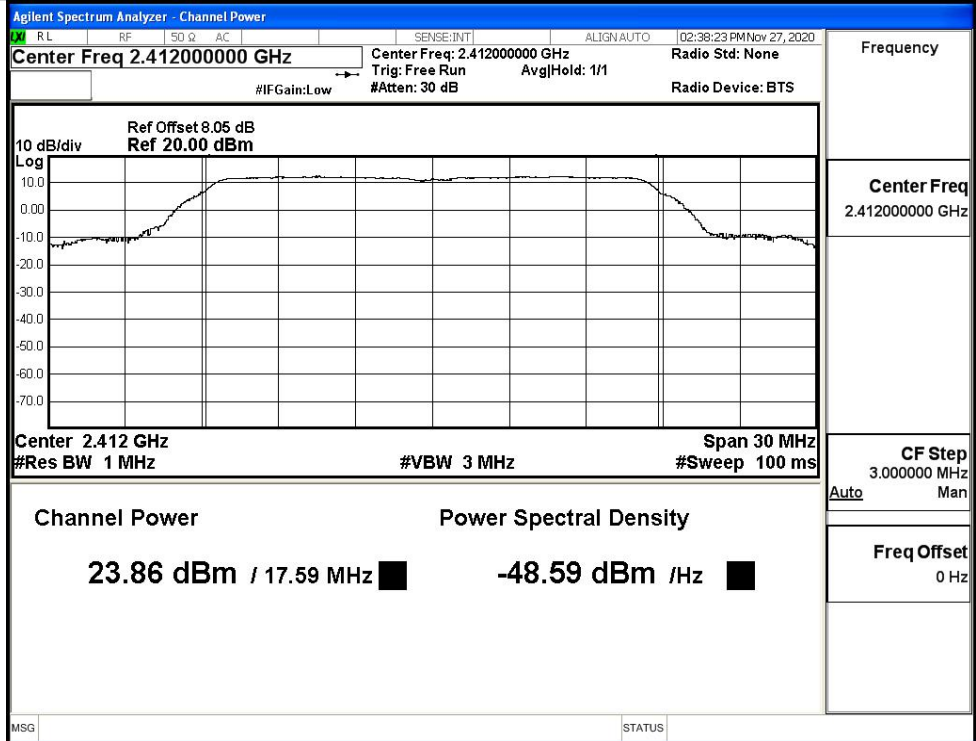
11G/MCH



11G/HCH

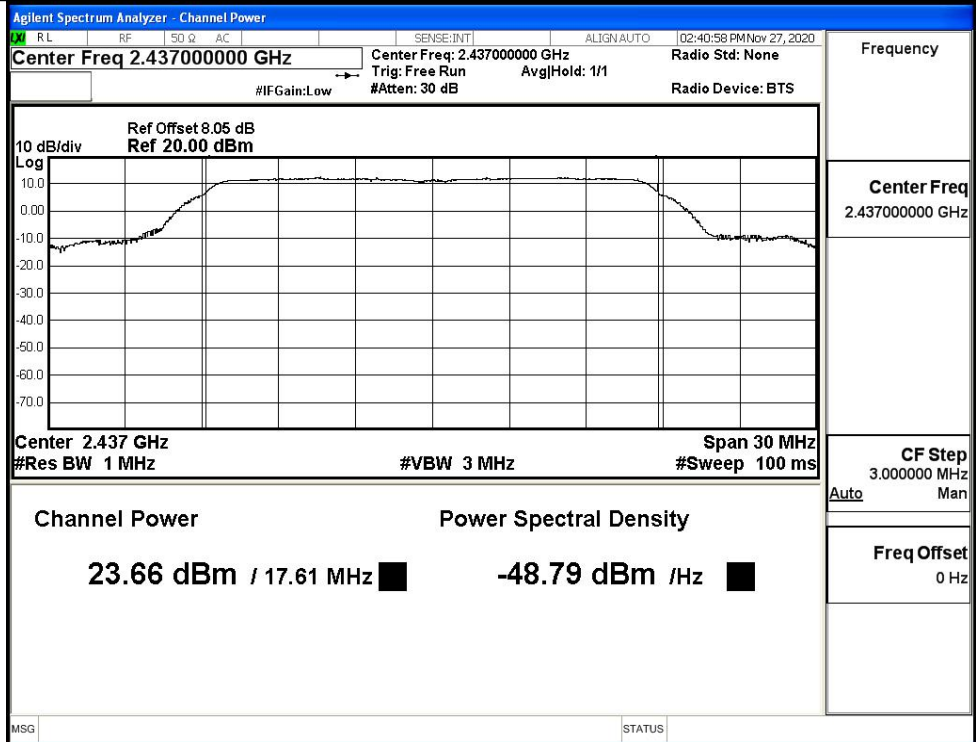


11N20SISO/LCH



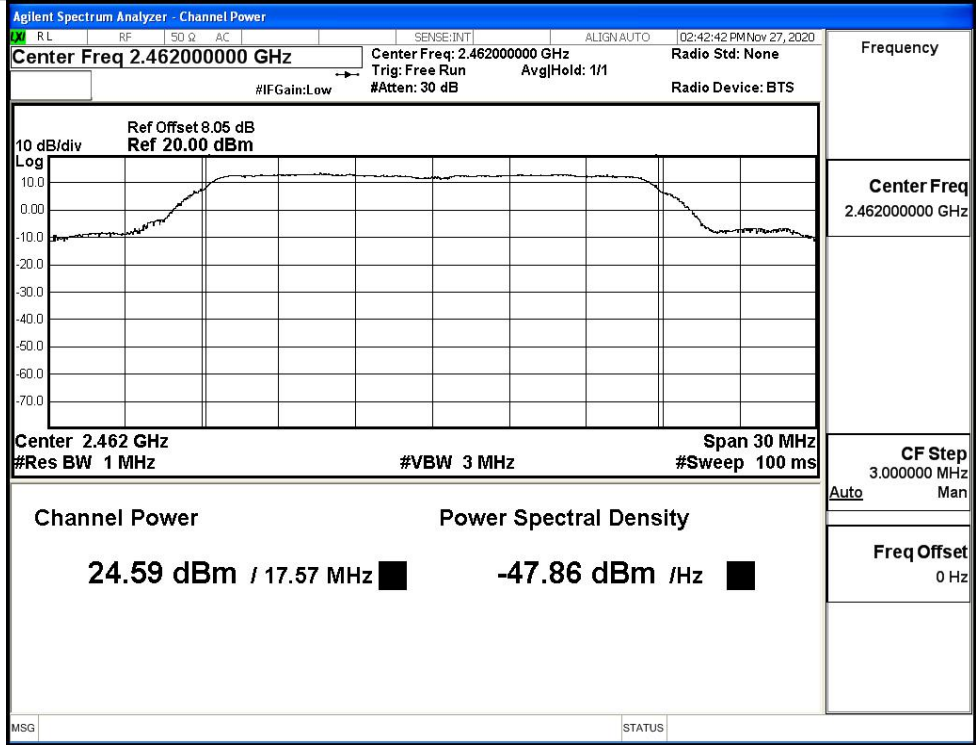
Frequency	2.41200000 GHz
Center Freq	2.41200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N20SISO/MCH



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

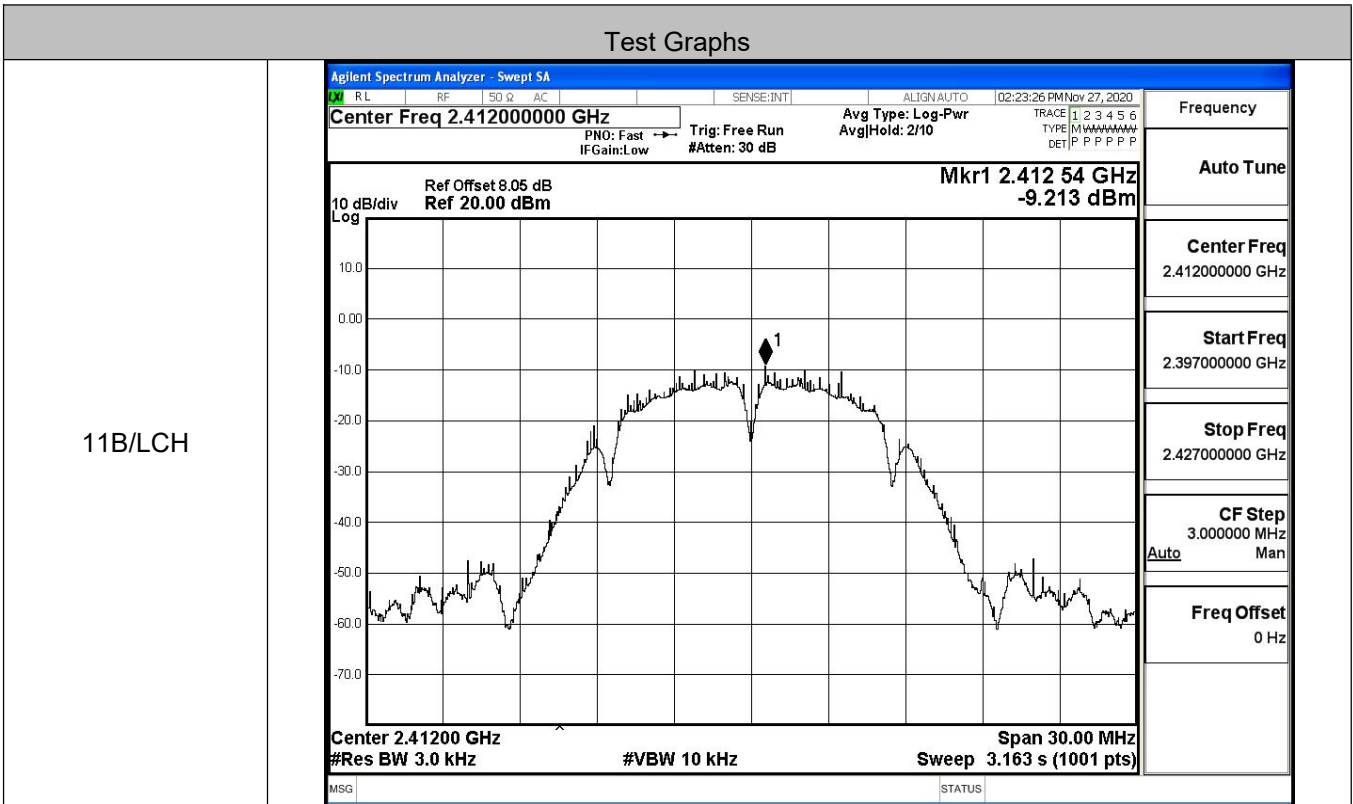
11N20SISO/HCH



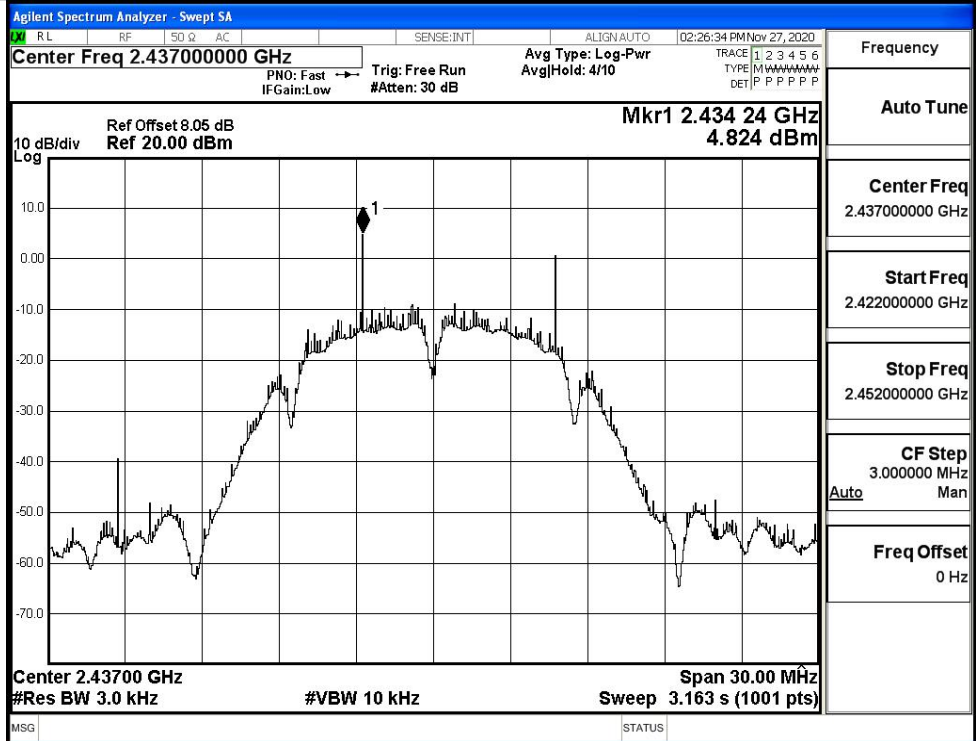
C.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-9.213	8	PASS
	MCH	4.824	8	PASS
	HCH	2.639	8	PASS
11G	LCH	-14.109	8	PASS
	MCH	-11.990	8	PASS
	HCH	-11.095	8	PASS
11N20SISO	LCH	-11.803	8	PASS
	MCH	-12.278	8	PASS
	HCH	-8.649	8	PASS

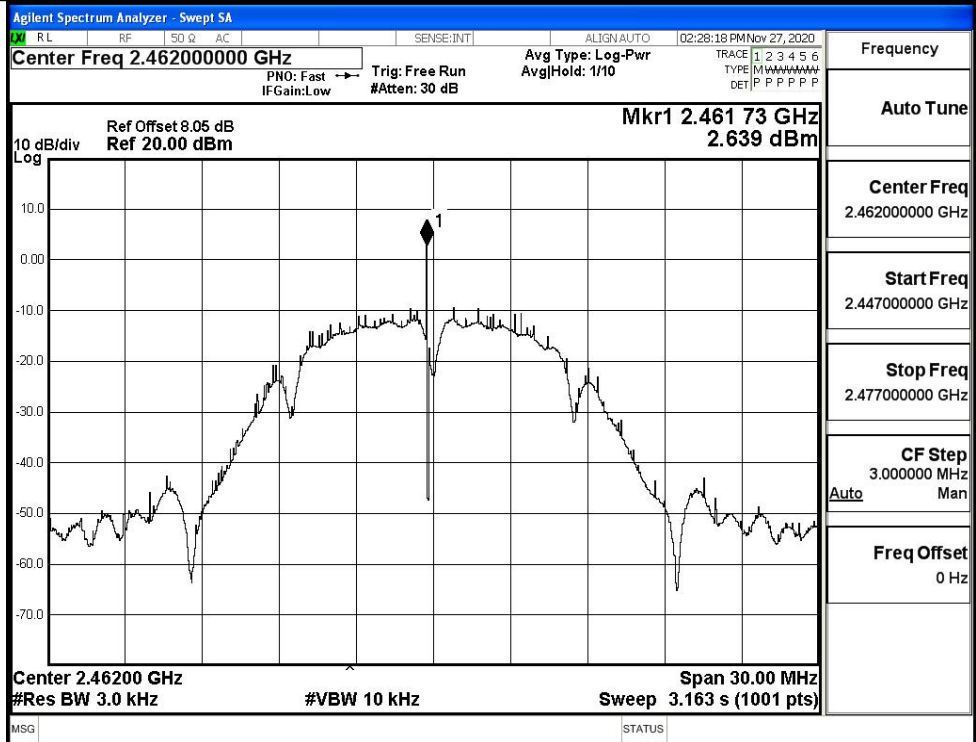
Test Graphs



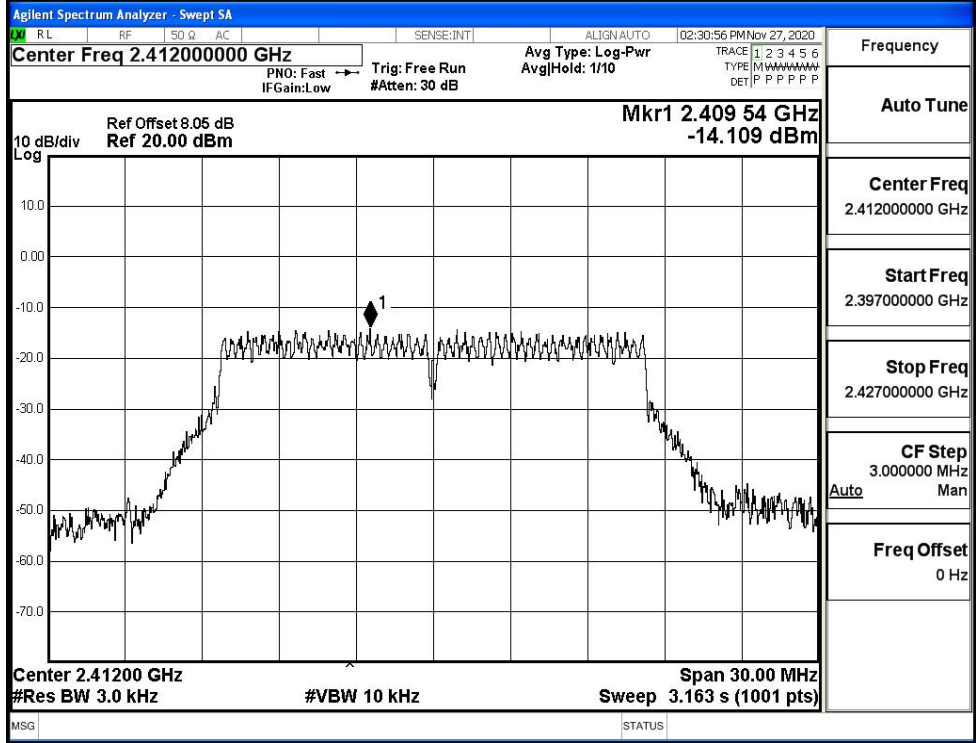
11B/MCH



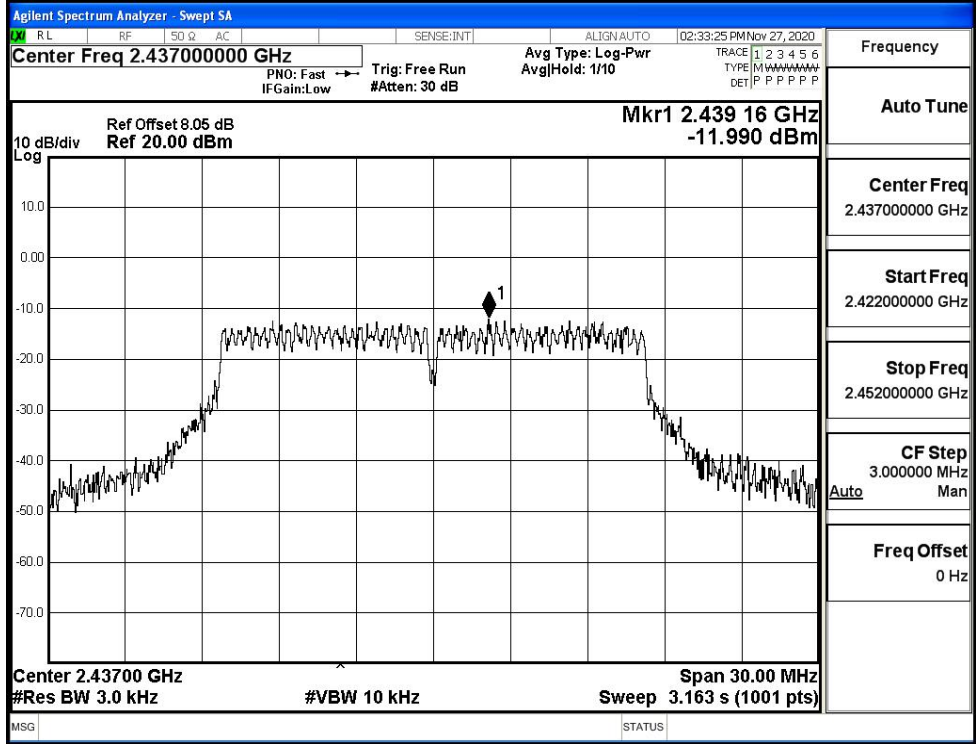
11B/HCH



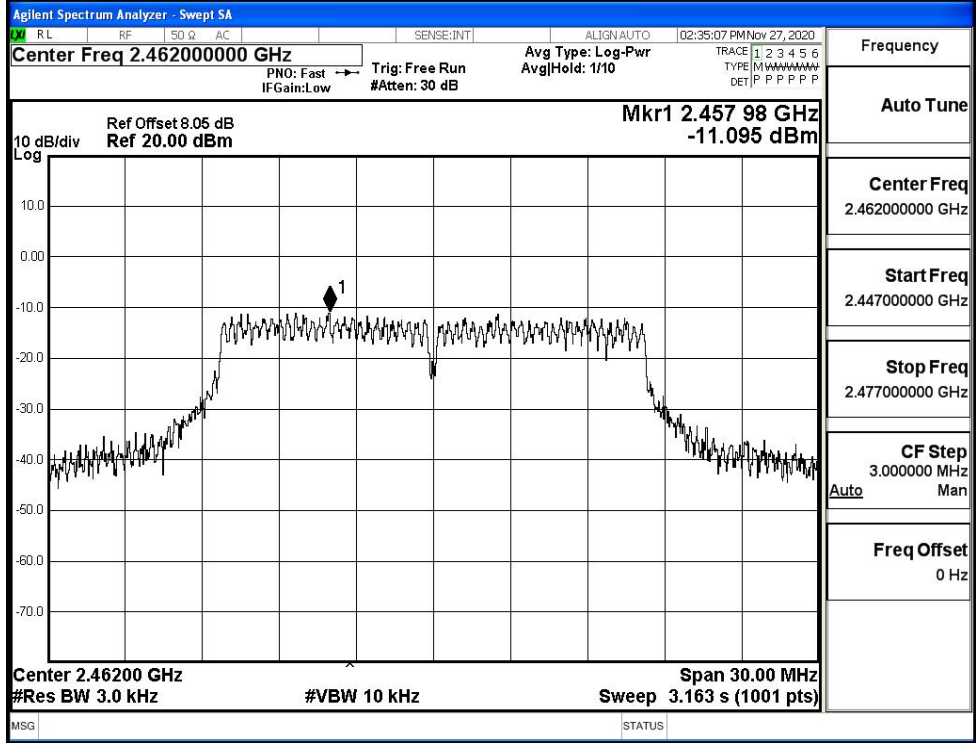
11G/LCH



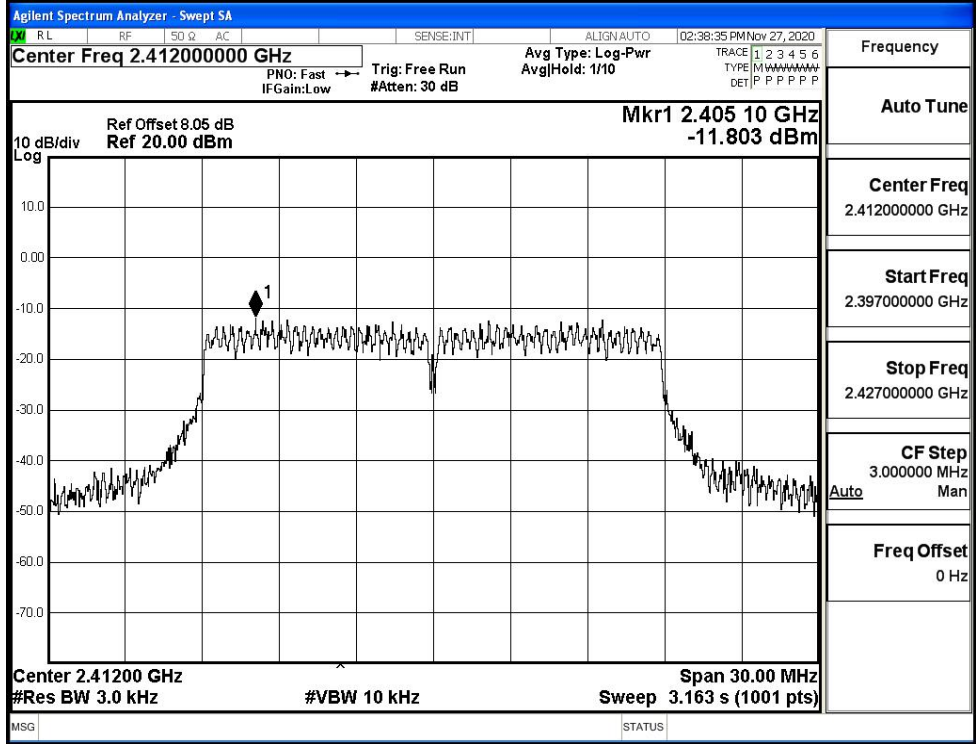
11G/MCH



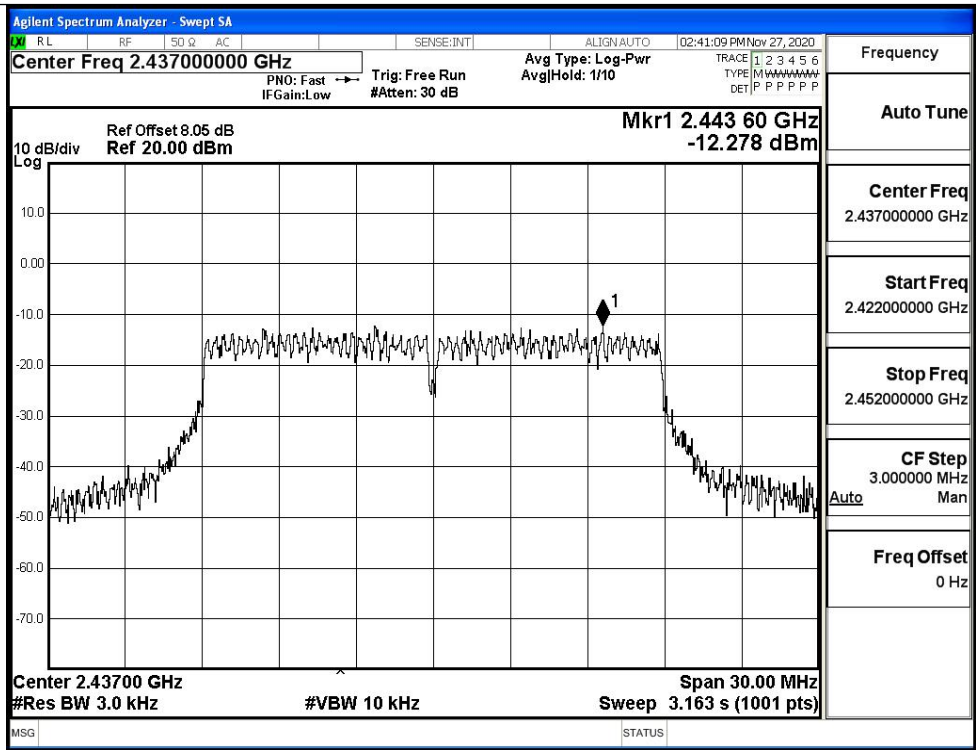
11G/HCH



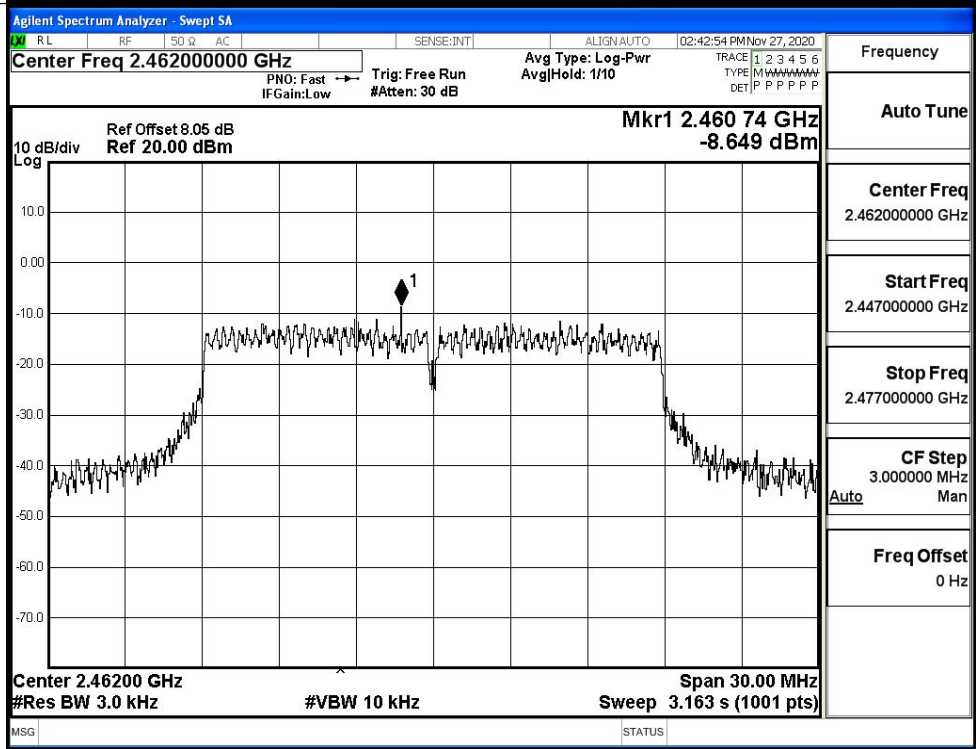
11N20SISO/LCH



11N20SISO/MCH



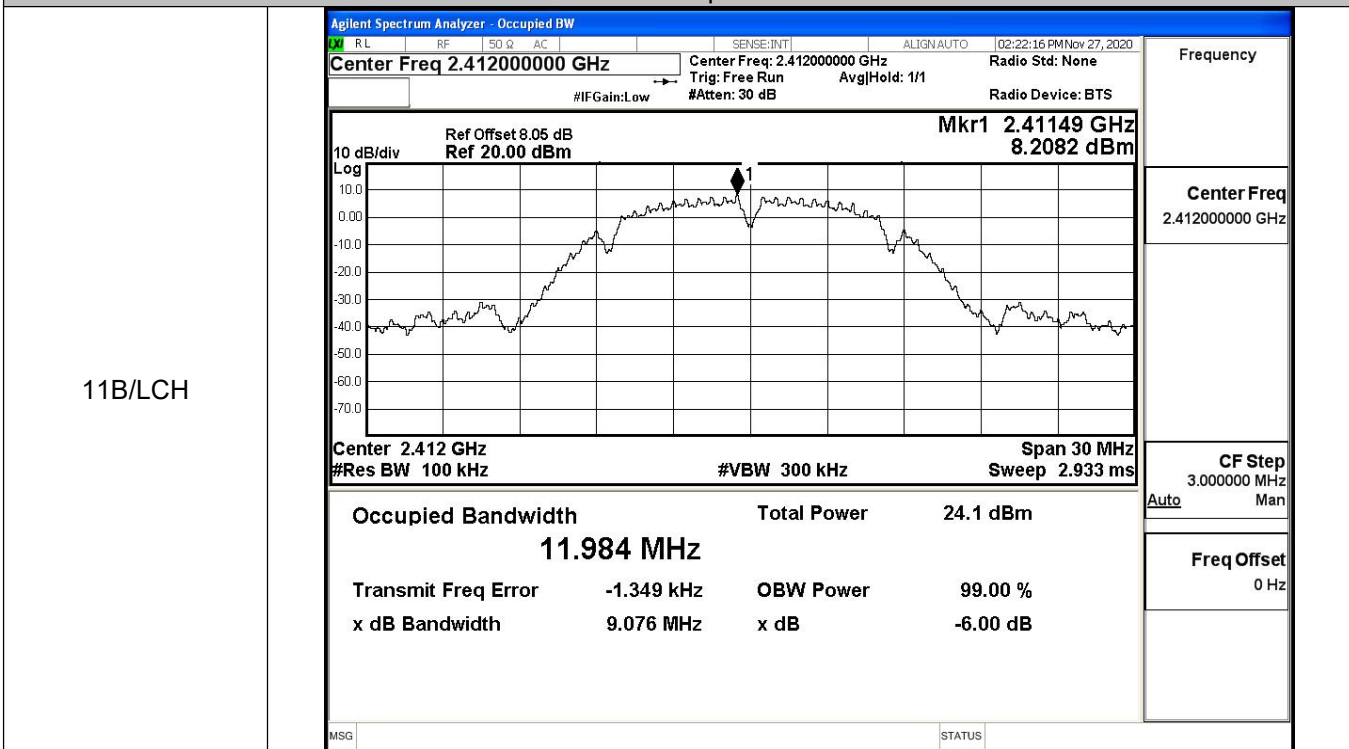
11N20SISO/HCH



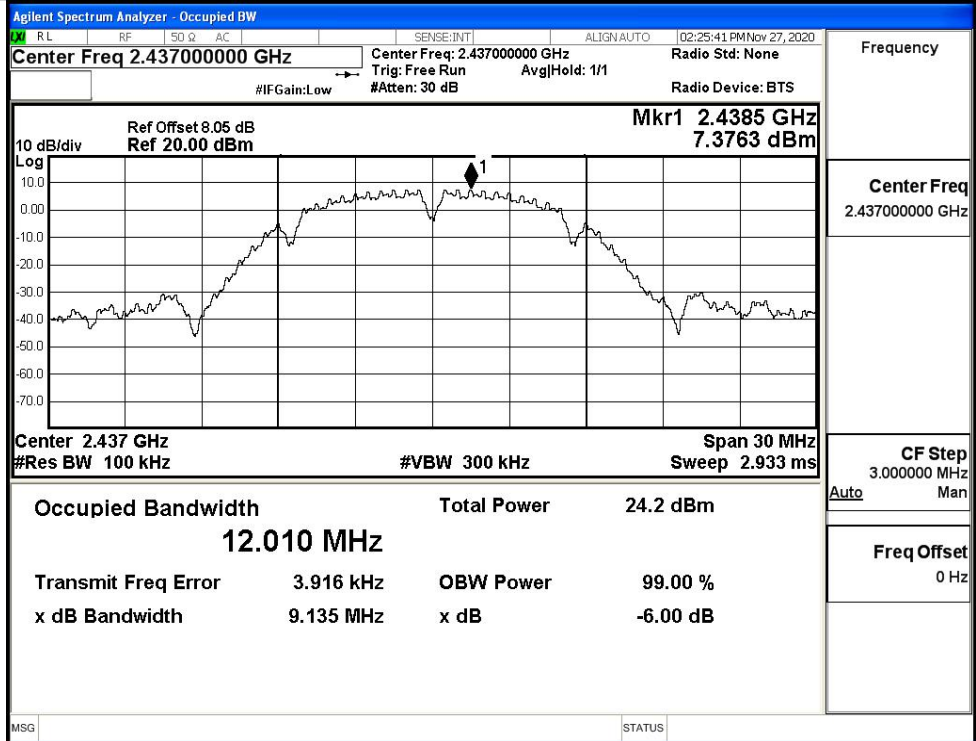
C.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.076	≥0.5	PASS
	MCH	9.135	≥0.5	PASS
	HCH	9.135	≥0.5	PASS
11G	LCH	16.40	≥0.5	PASS
	MCH	16.39	≥0.5	PASS
	HCH	16.38	≥0.5	PASS
11N20SISO	LCH	17.59	≥0.5	PASS
	MCH	17.61	≥0.5	PASS
	HCH	17.57	≥0.5	PASS

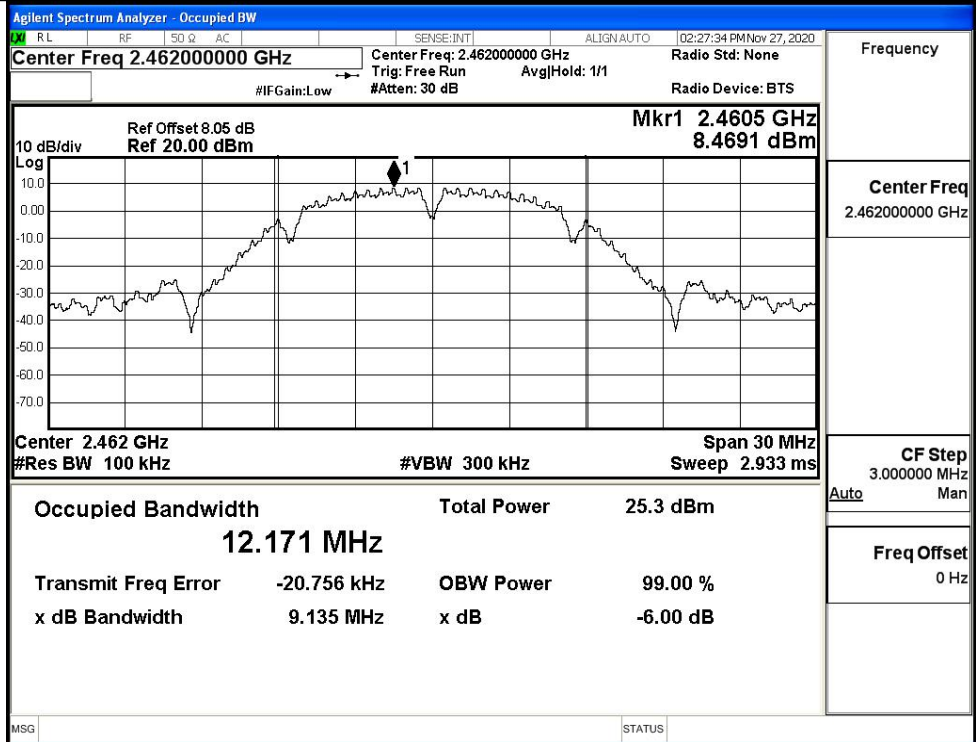
Test Graphs



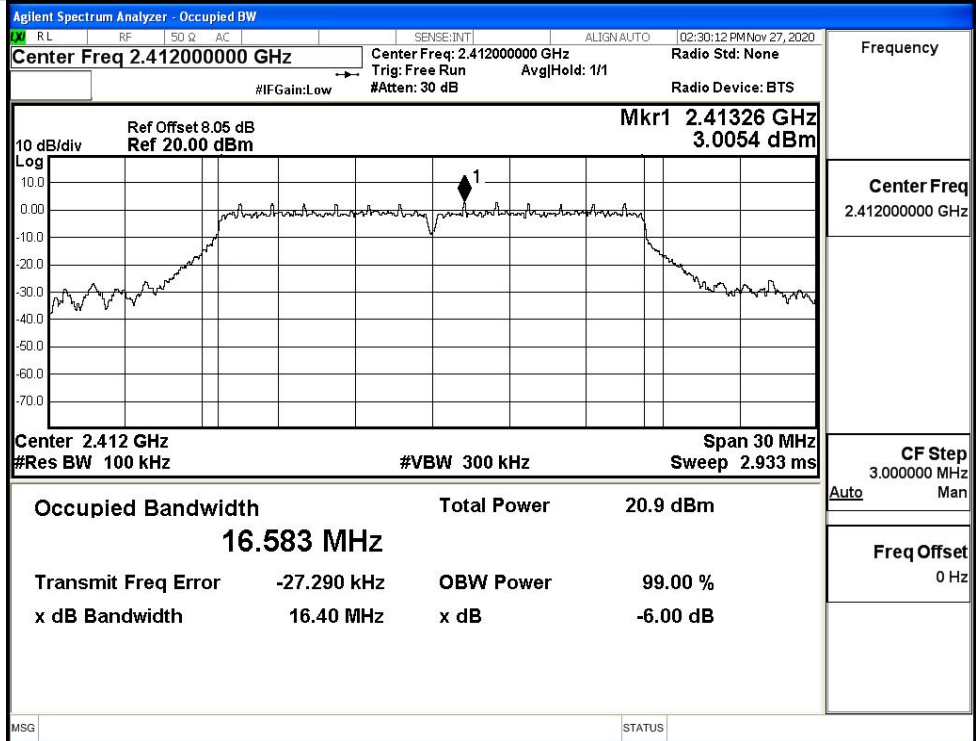
11B/MCH



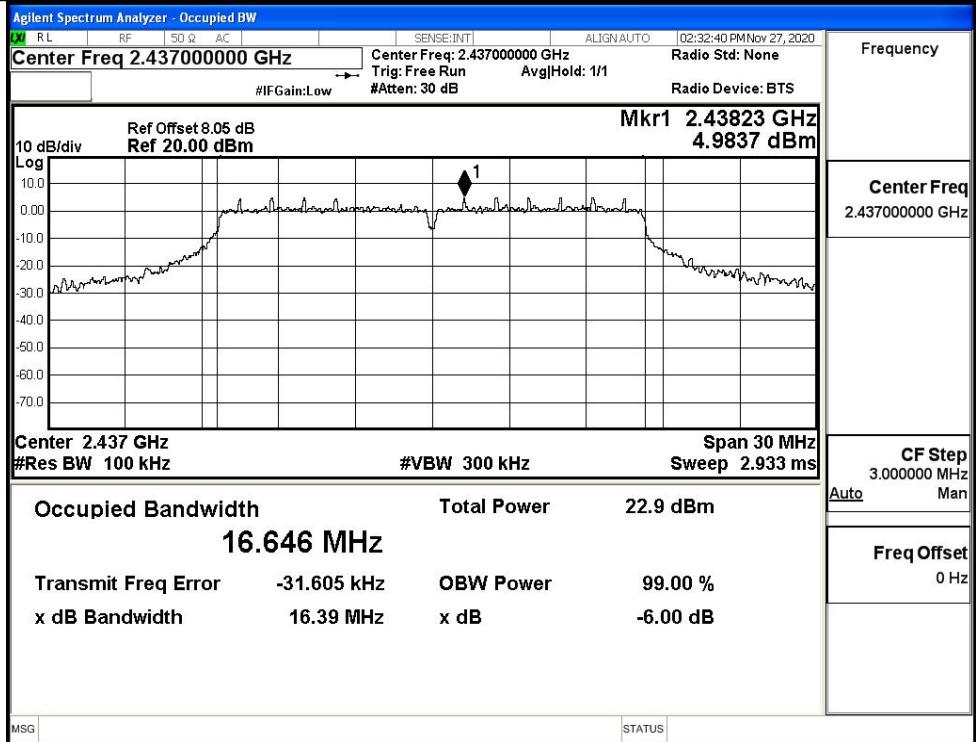
11B/HCH



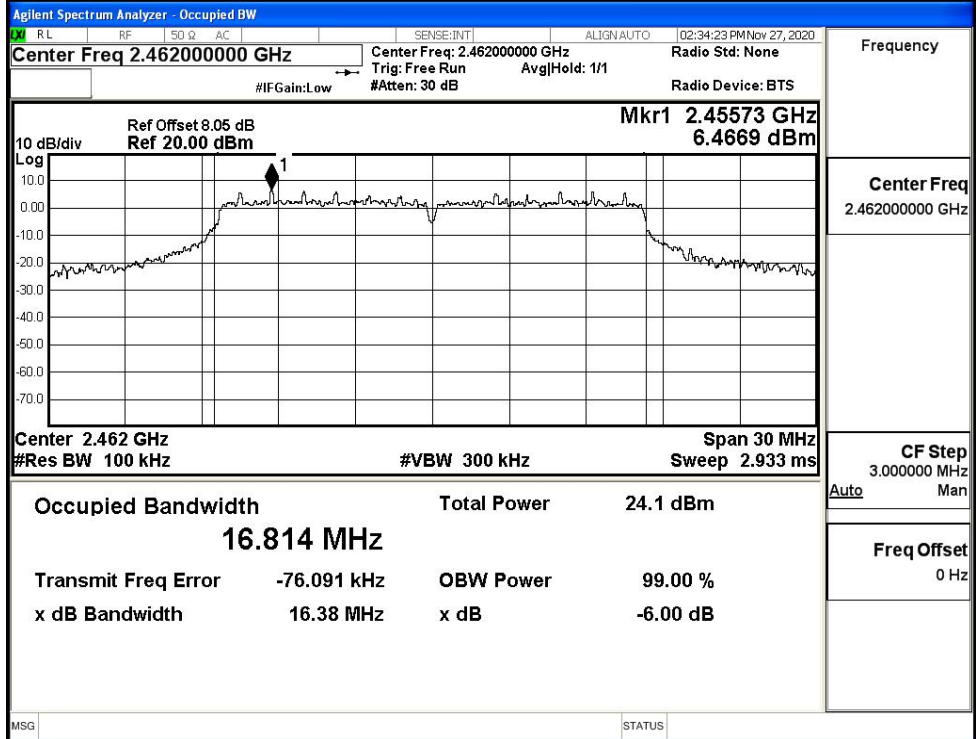
11G/LCH



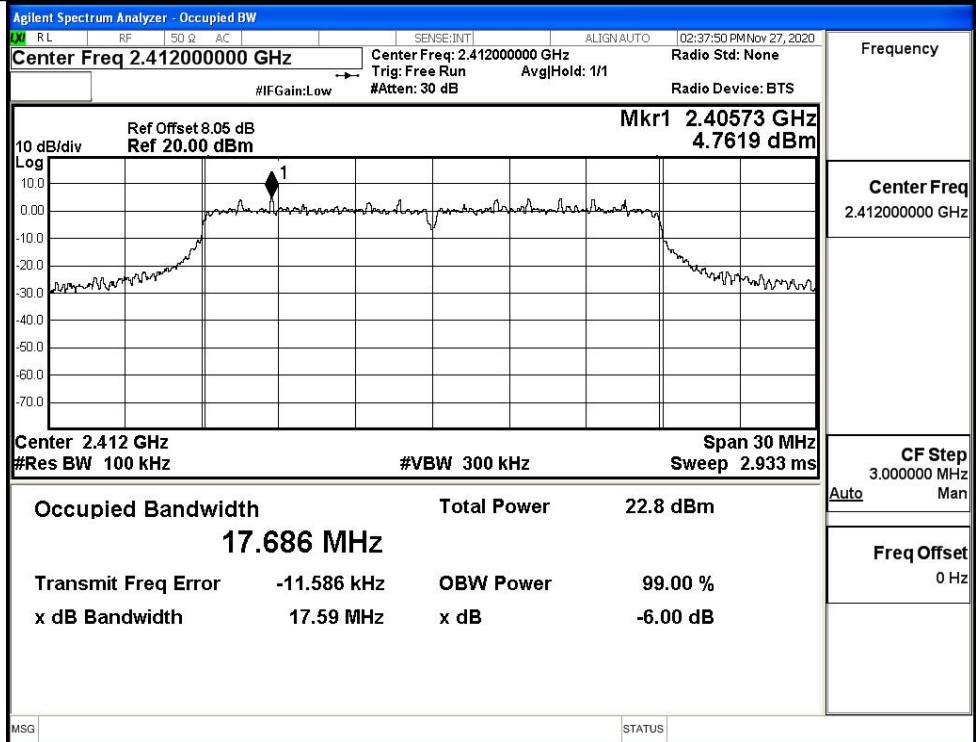
11G/MCH



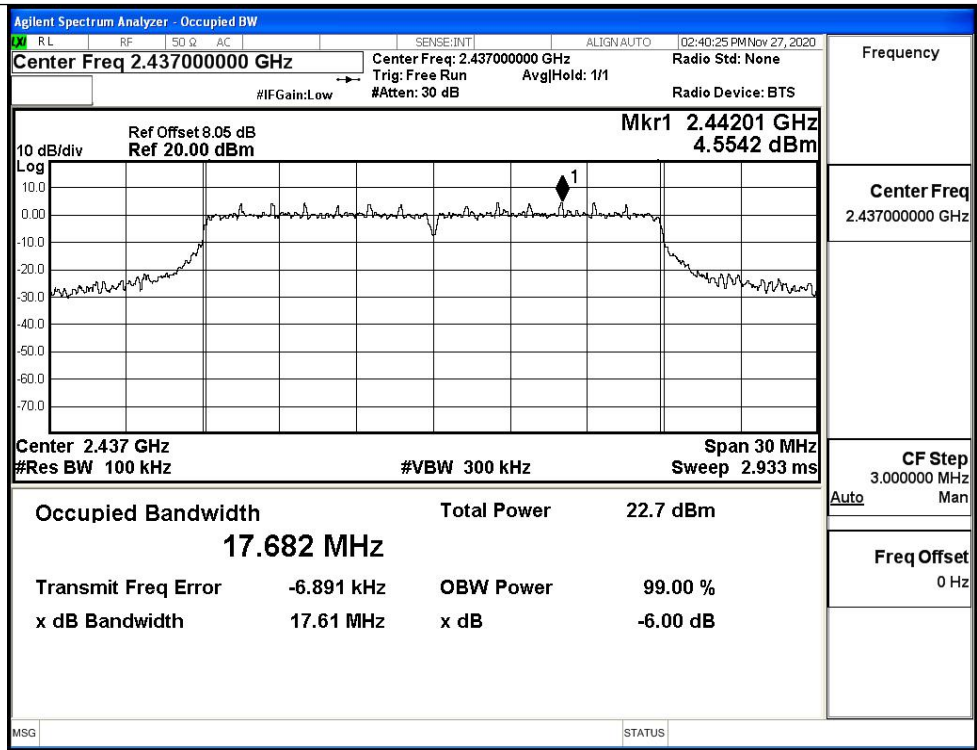
11G/HCH



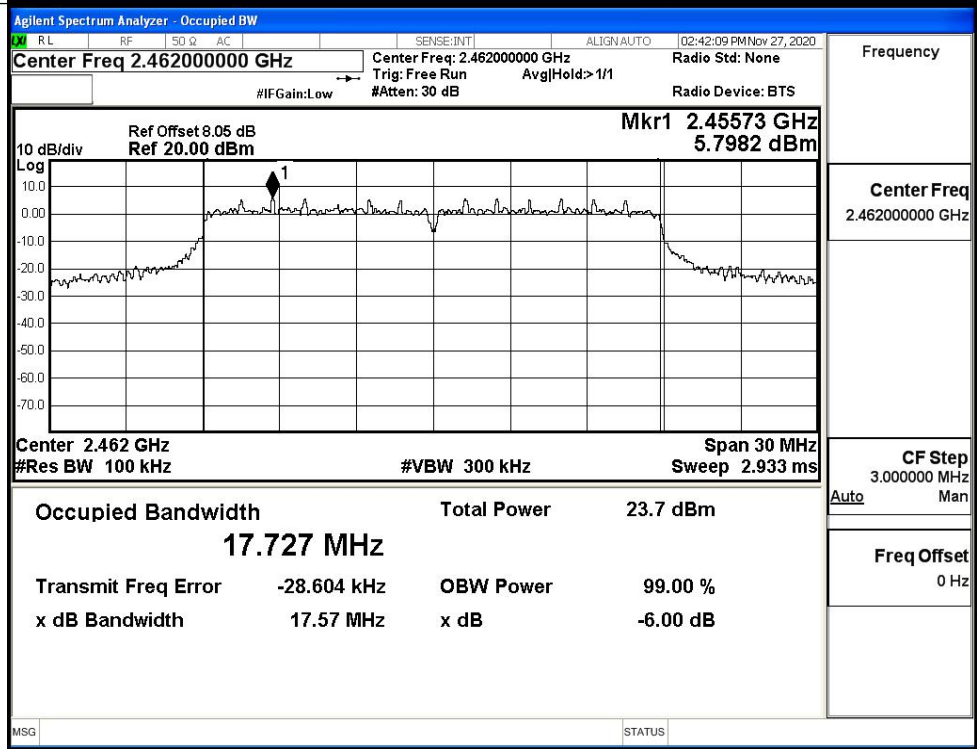
11N20SISO/LCH



11N20SISO/MCH



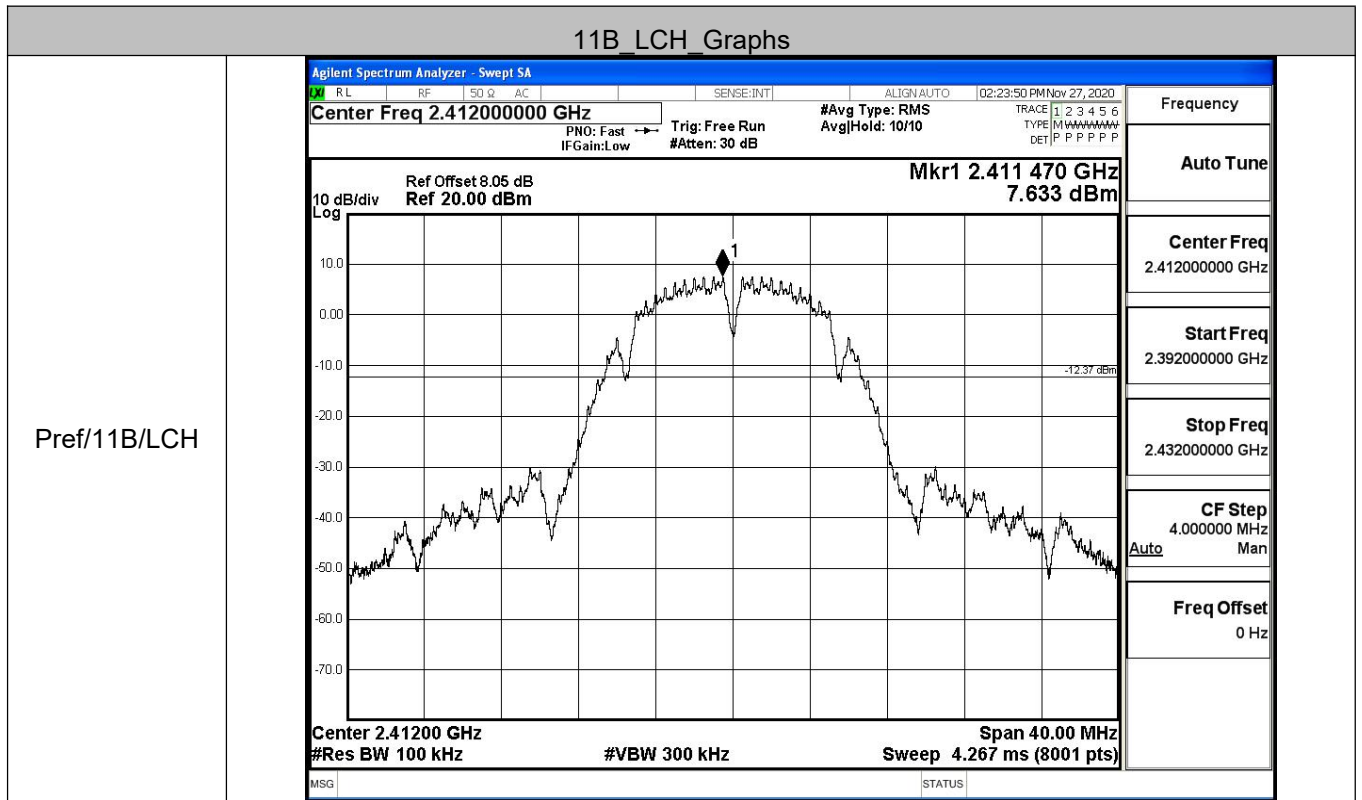
11N20SISO/HCH



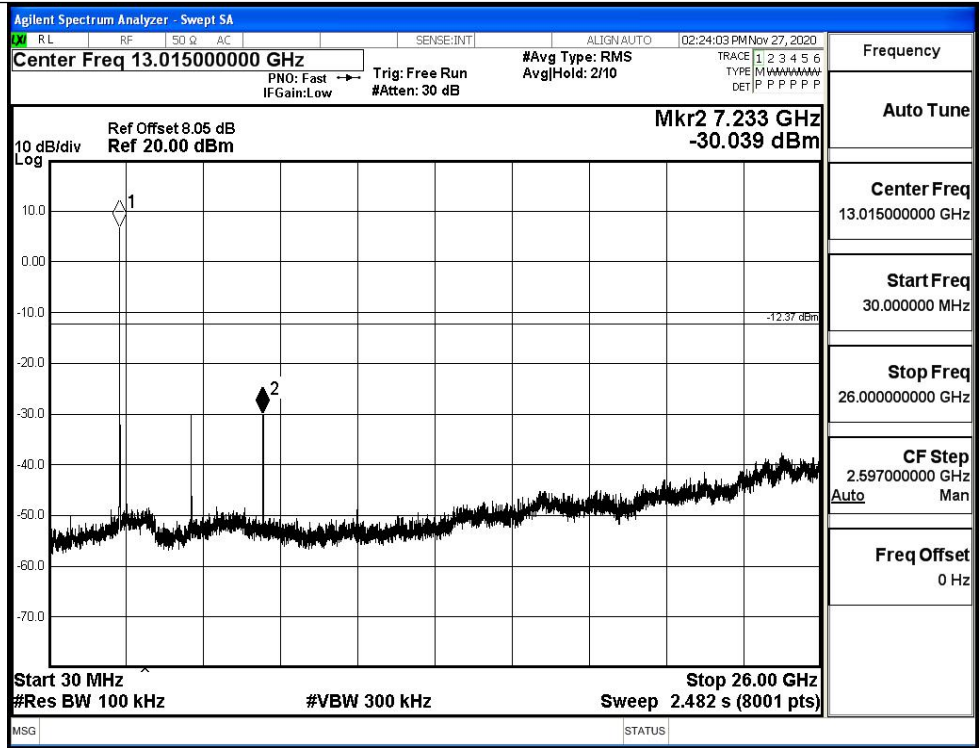
C.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	7.633	-30.039	-12.367	PASS
	MCH	7.239	-30.718	-12.761	PASS
	HCH	8.324	-29.651	-11.676	PASS
11G	LCH	2.593	-37.427	-17.407	PASS
	MCH	4.868	-33.975	-15.132	PASS
	HCH	6.201	-32.827	-13.799	PASS
11N20 SISO	LCH	4.76	-33.693	-15.240	PASS
	MCH	4.779	-35.842	-15.221	PASS
	HCH	5.732	-33.962	-14.268	PASS

11B_LCH_Graphs

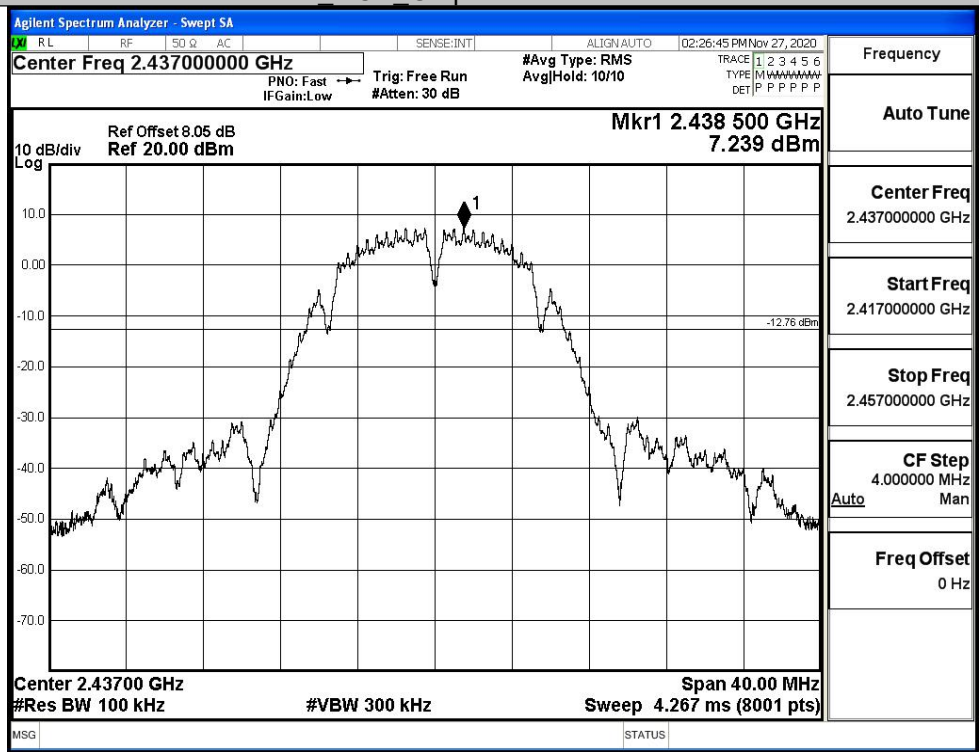


Puw/11B/LCH

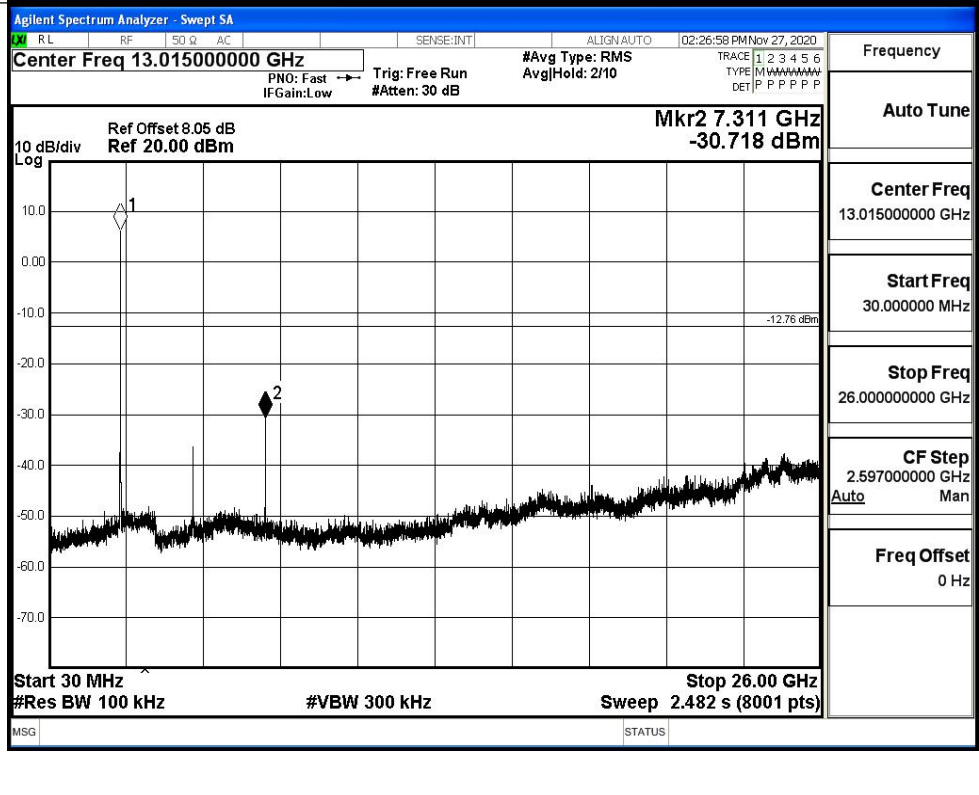


11B MCH Graphs

Pref/11B/MCH

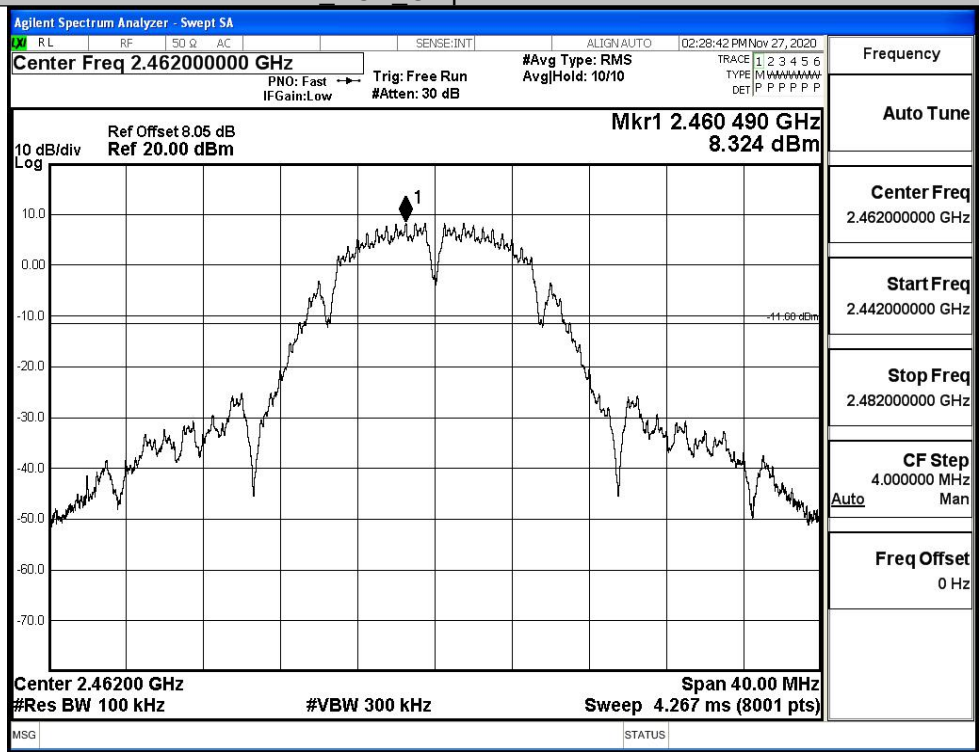


Puw/11B/MCH

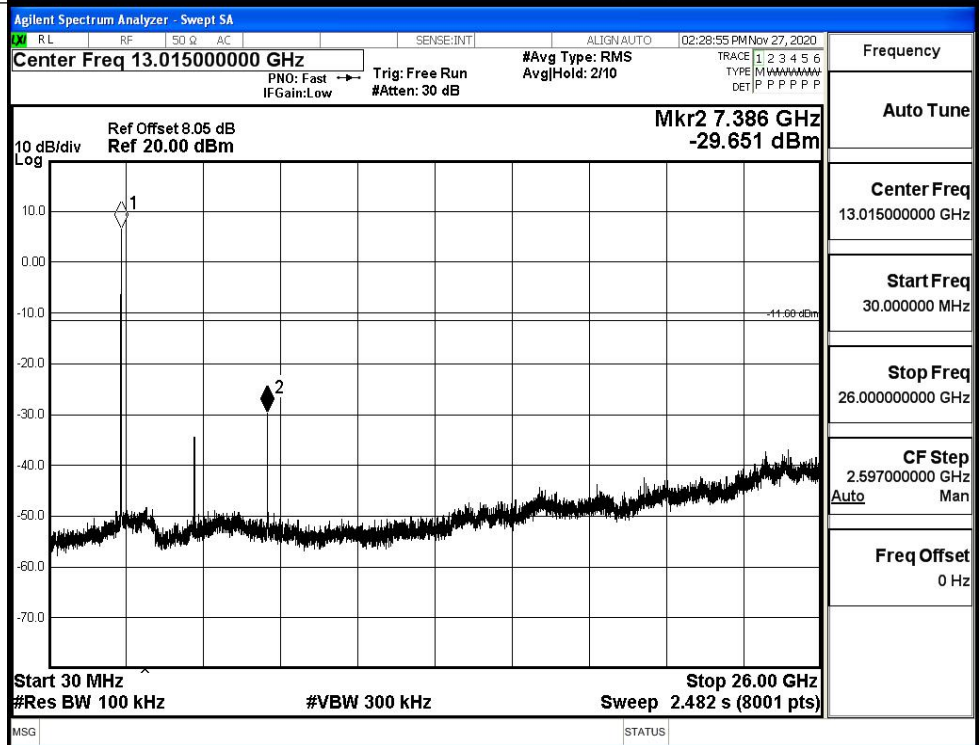


11B HCH Graphs

Pref/11B/HCH

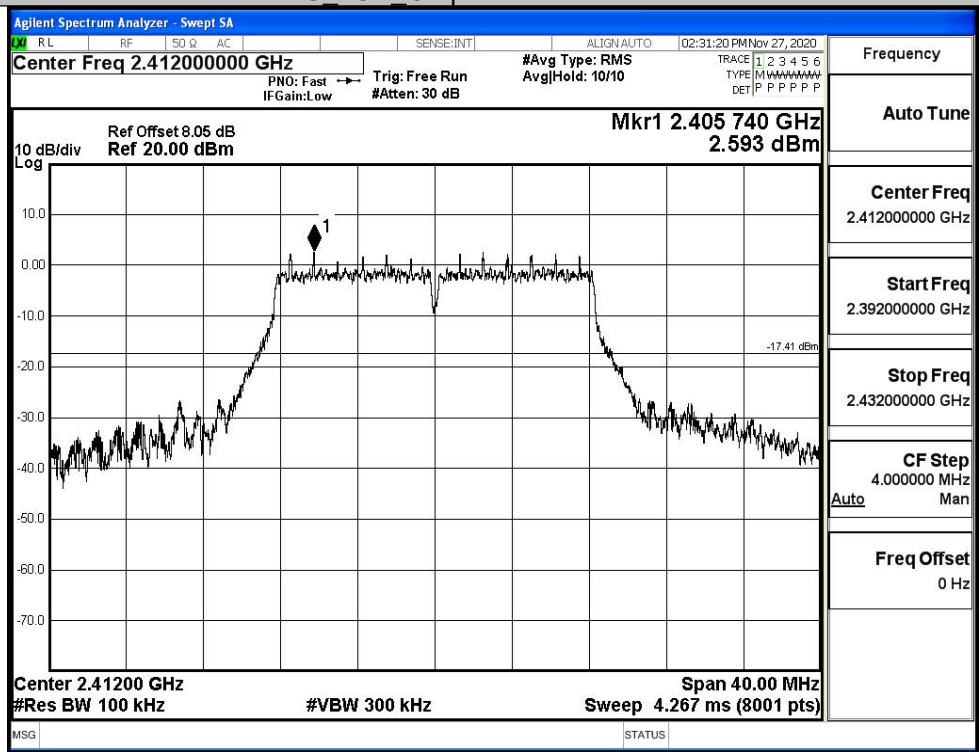


Puw/11B/HCH

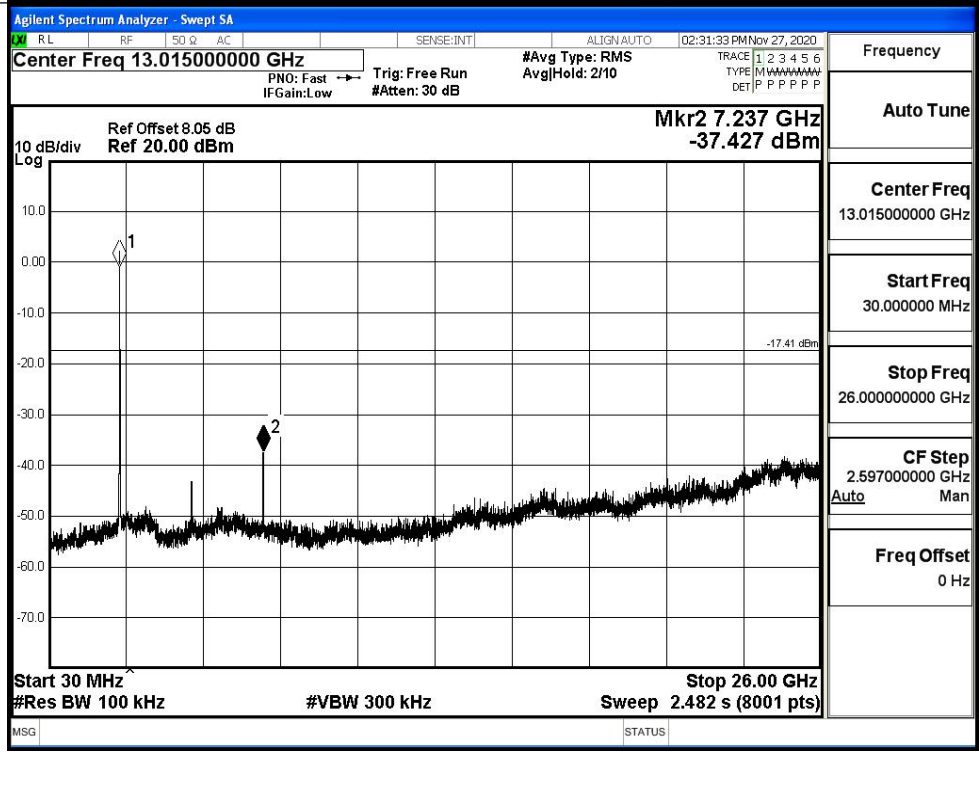


11G LCH Graphs

Pref/11G/LCH

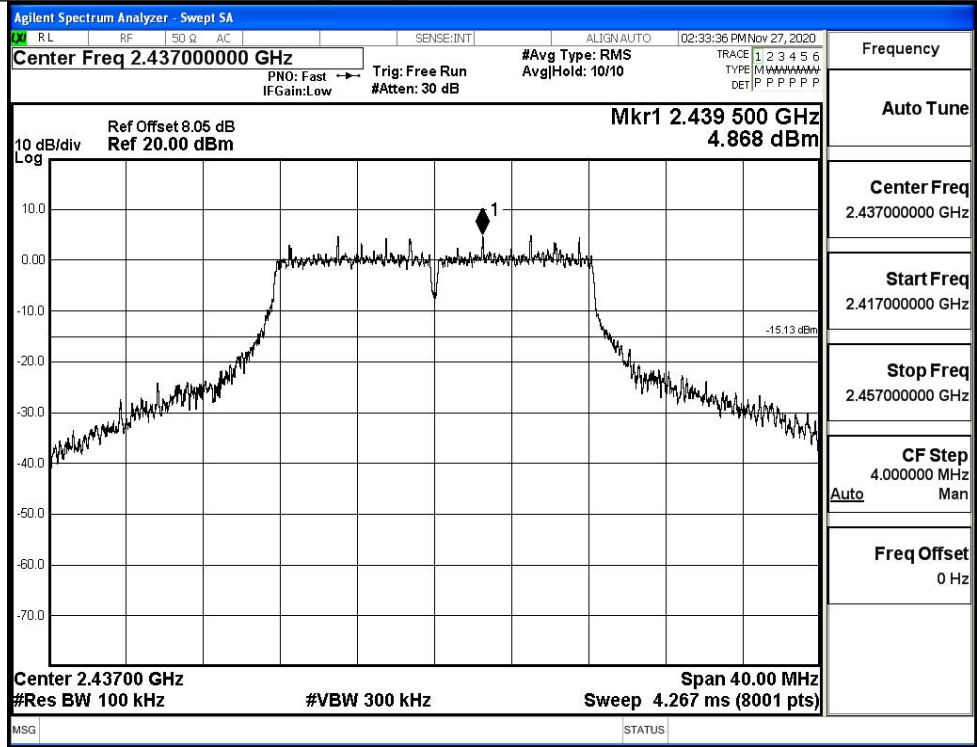


Puw/11G/LCH

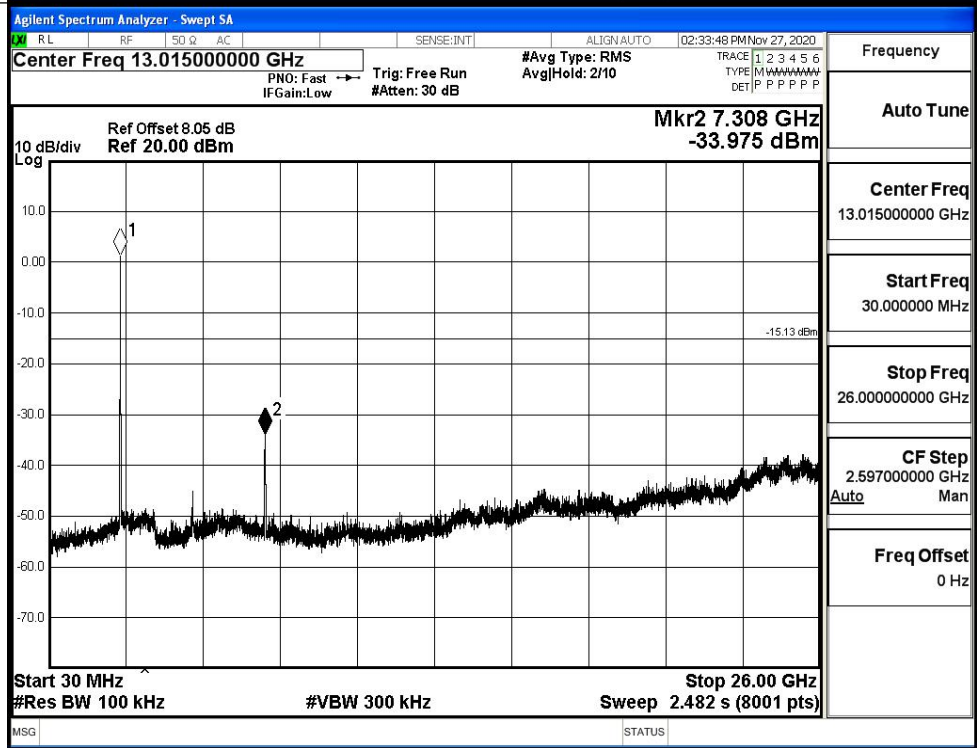


11G MCH Graphs

Pref/11G/MCH

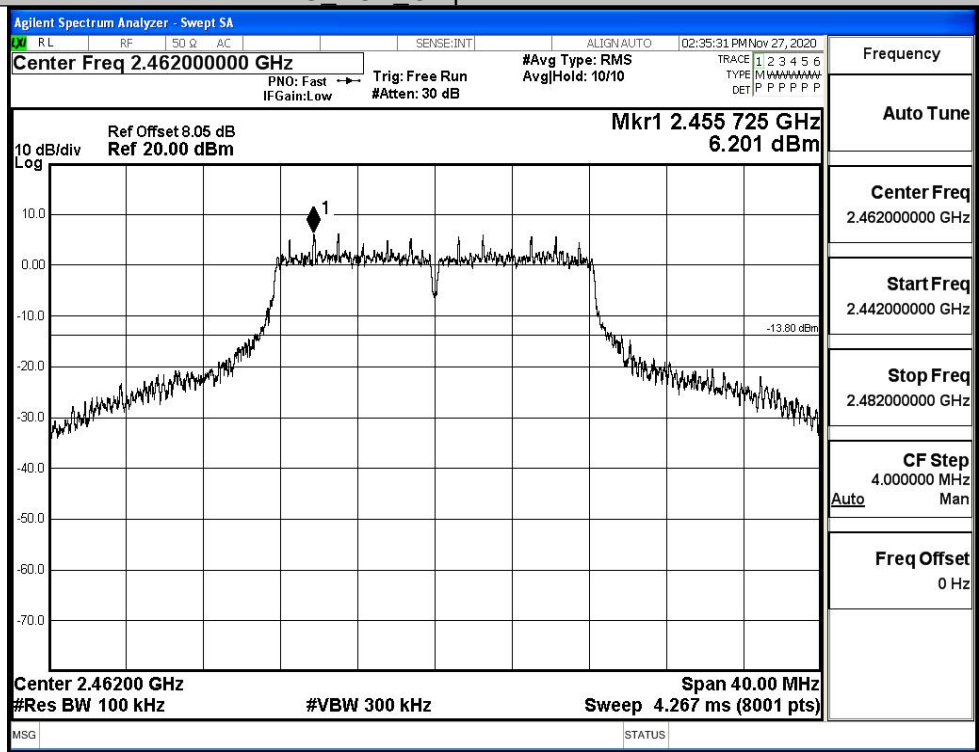


Puw/11G/MCH



11G HCH Graphs

Pref/11G/HCH



Puw/11G/HCH

