

Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: VoCore2

Trade Mark: VoCore

Test Model: VoCore2

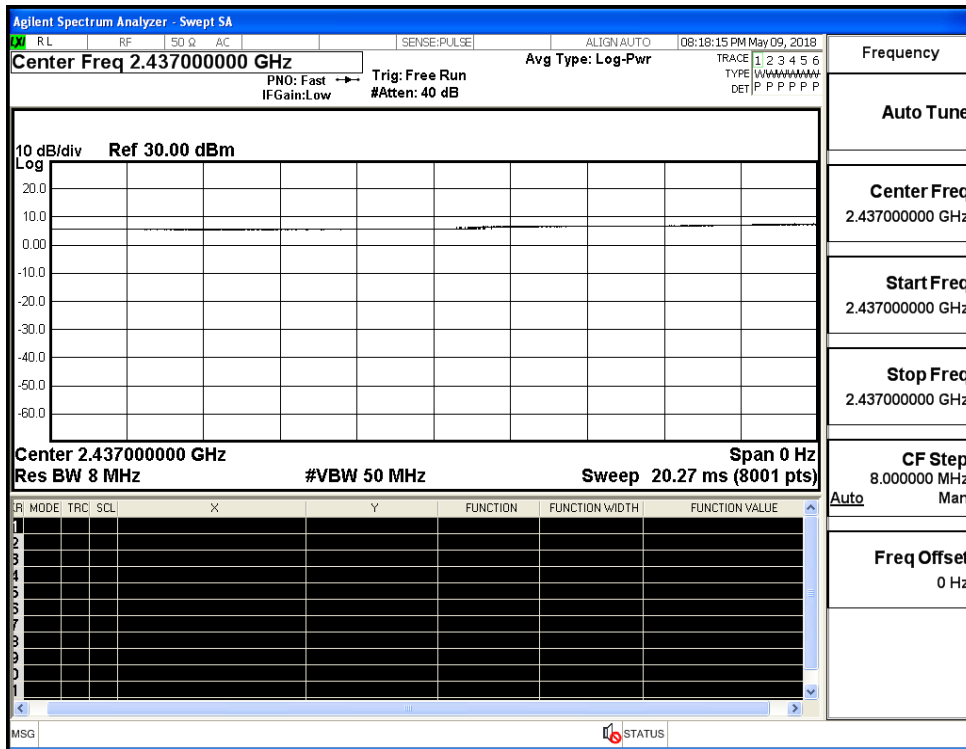
Environmental Conditions

Temperature:	21.6 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	WANGCHUANG
Supervised by:	Jayden.Zhuo

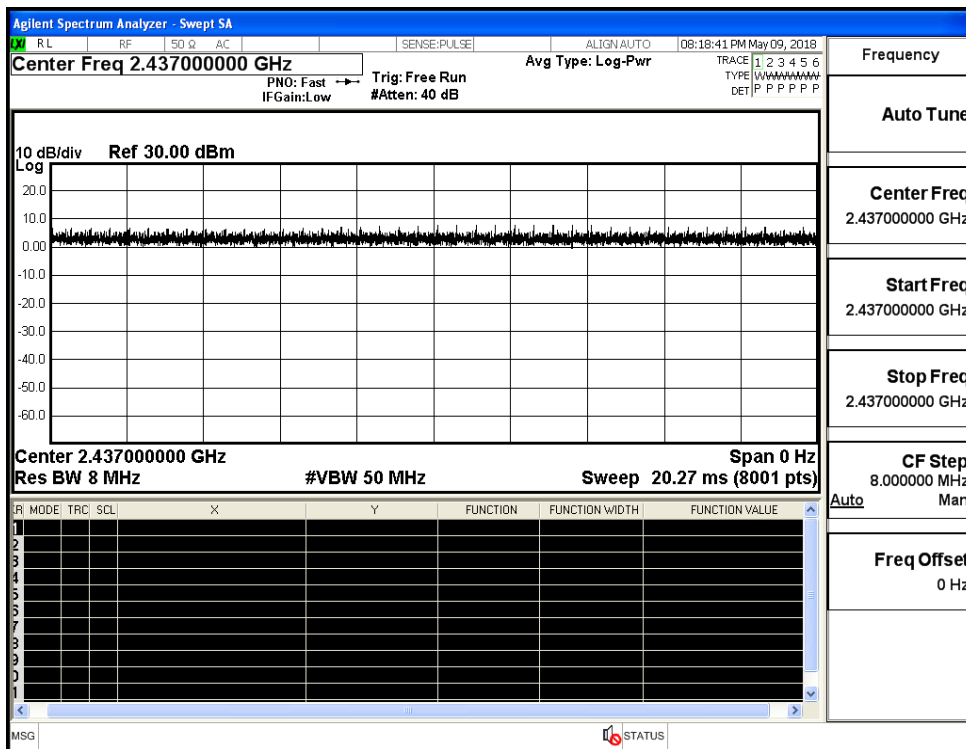
A.1 Duty Cycle

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
11B	2437	Ant2	100	PASS
11G	2437	Ant2	100	PASS
11N20SISO	2437	Ant2	100	PASS
11N40SISO	2437	Ant2	100	PASS

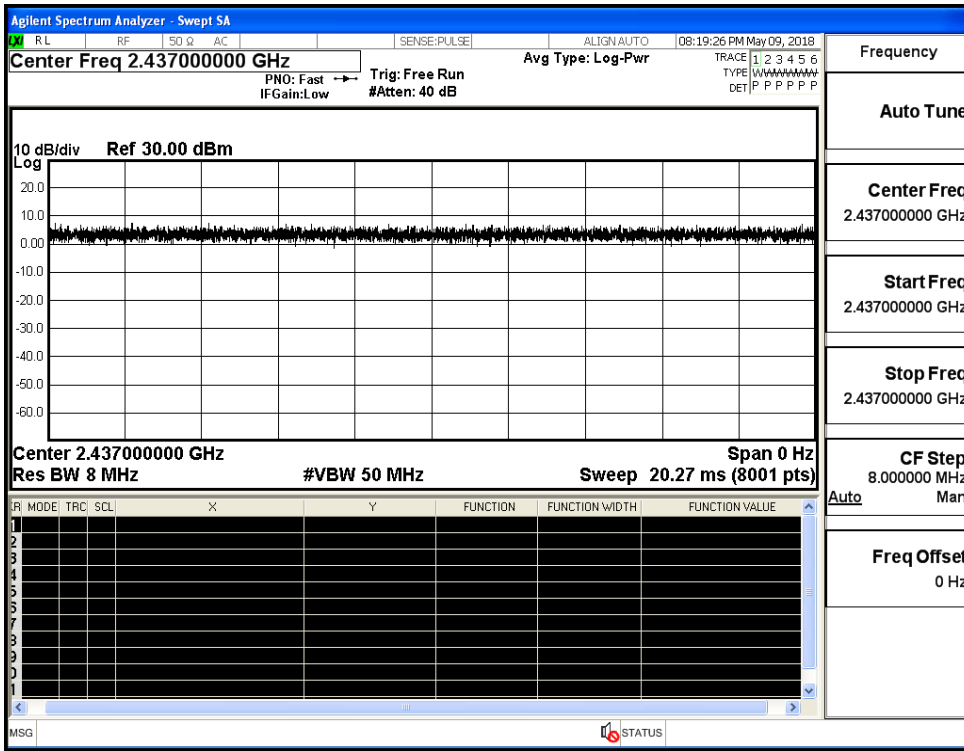
Duty Cycle_11B_2437_Ant1



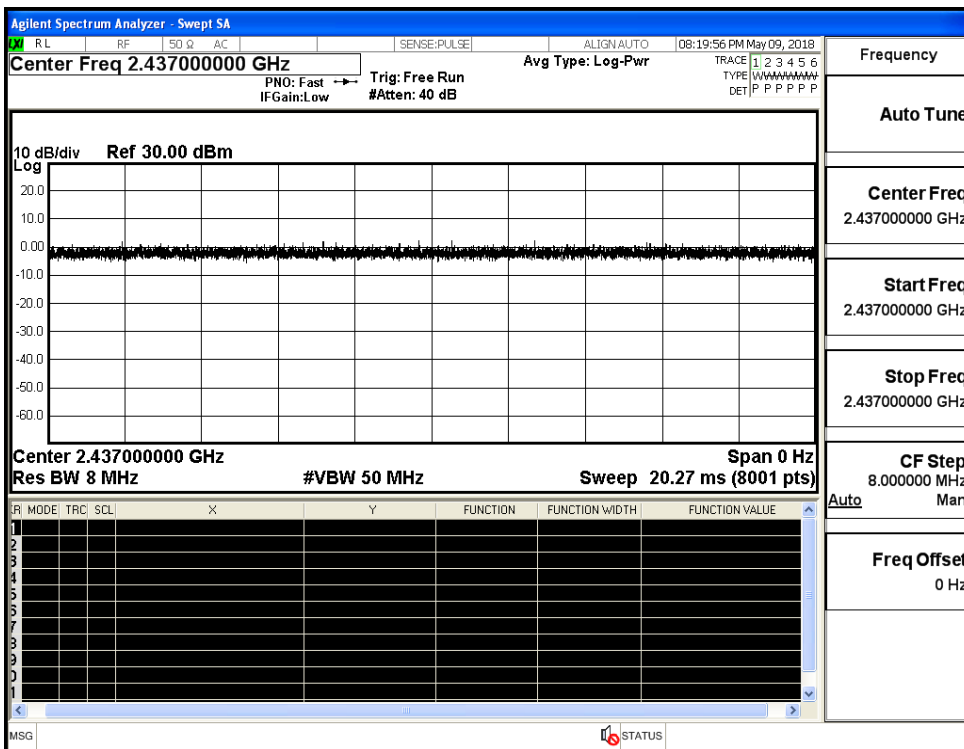
Duty Cycle_11G_2437_Ant1



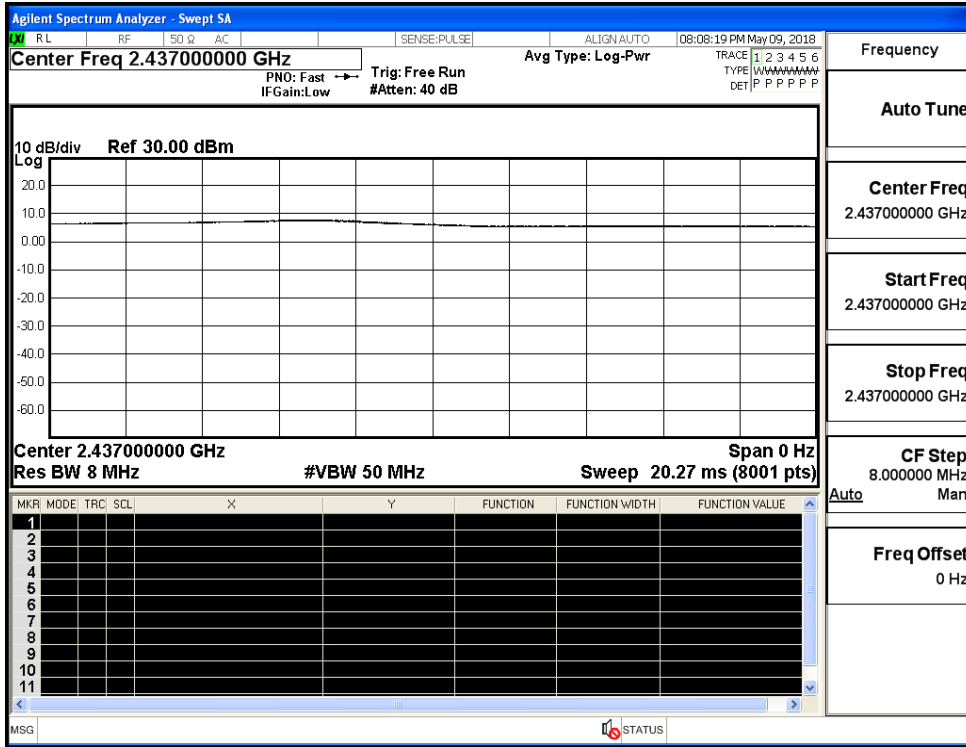
Duty Cycle_11N20SISO_2437_Ant1



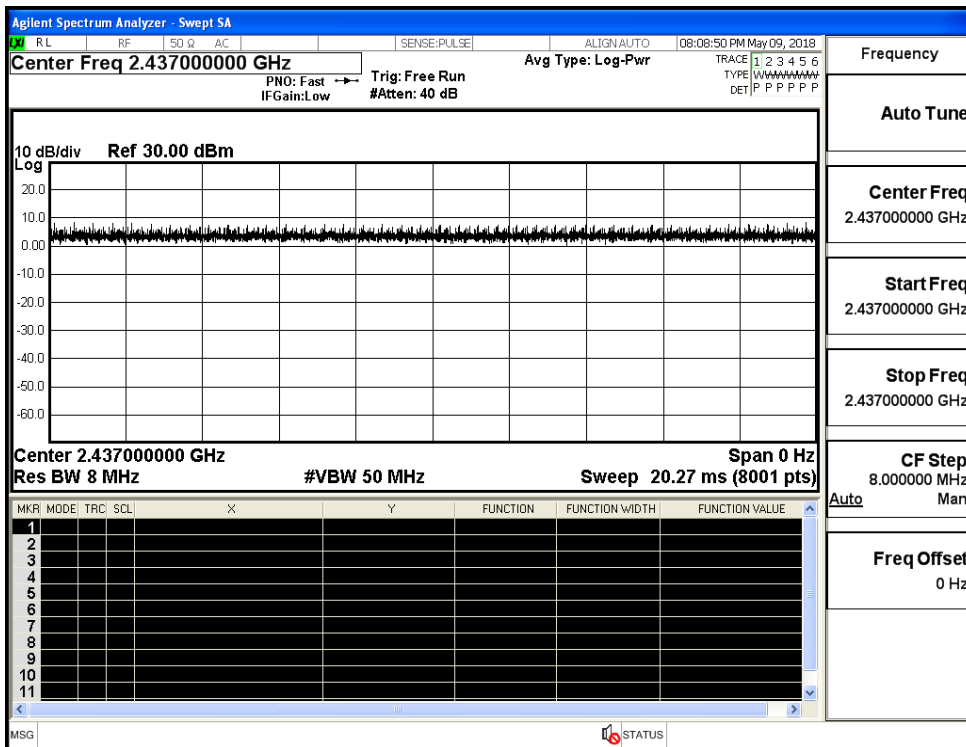
Duty Cycle_11N40SISO_2437_Ant1



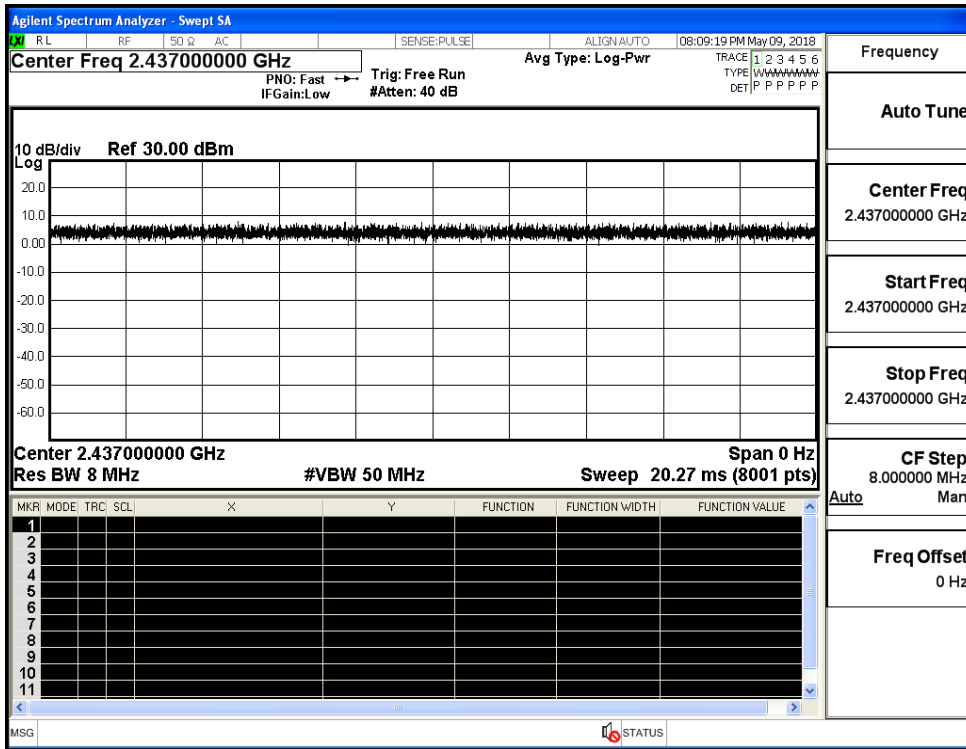
Duty Cycle_11B_2437_Ant2



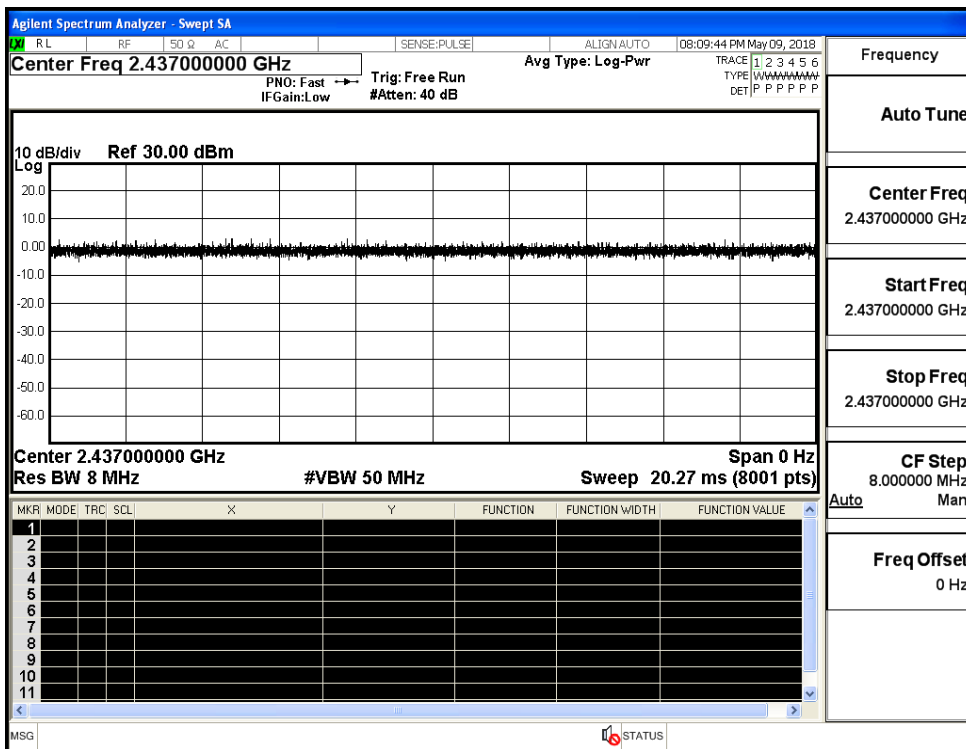
Duty Cycle_11G_2437_Ant2



Duty Cycle_11N20SISO_2437_Ant2



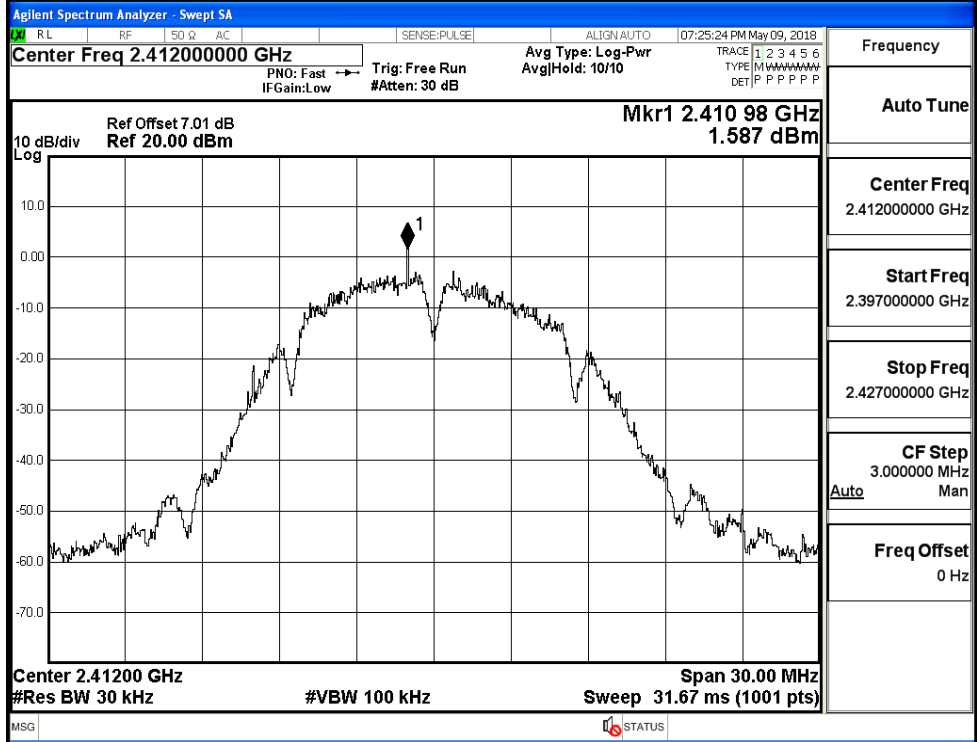
Duty Cycle_11N40SISO_2437_Ant2



A.2 Maximum Power Spectral Density

Test Graphs_ Ant1

11B/LCH



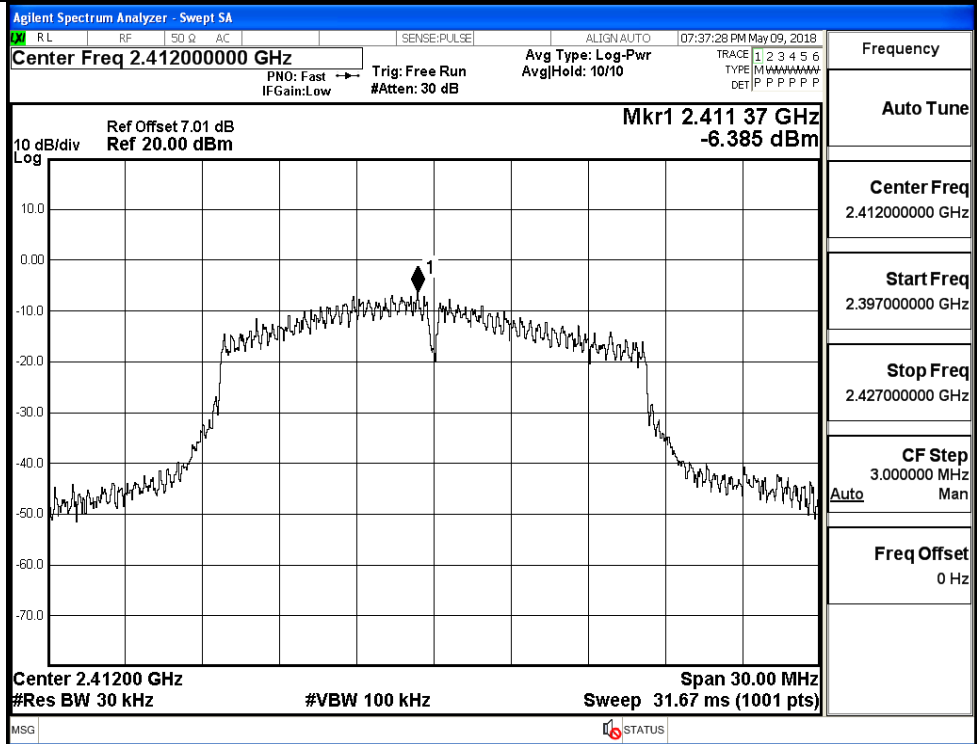
11B/MCH



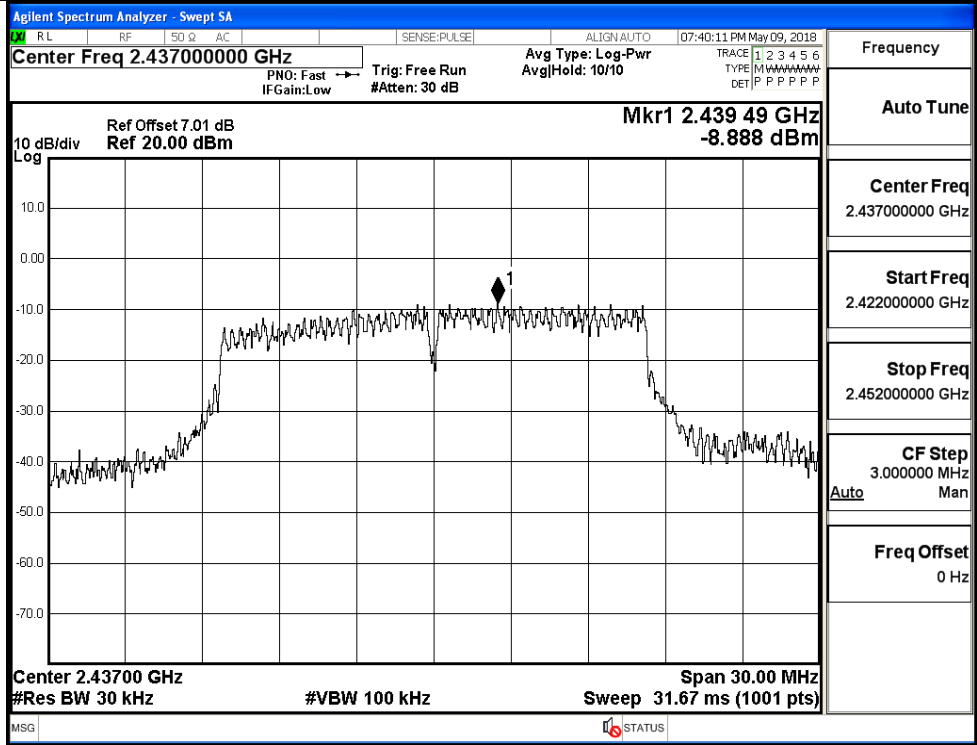
11B/HCH



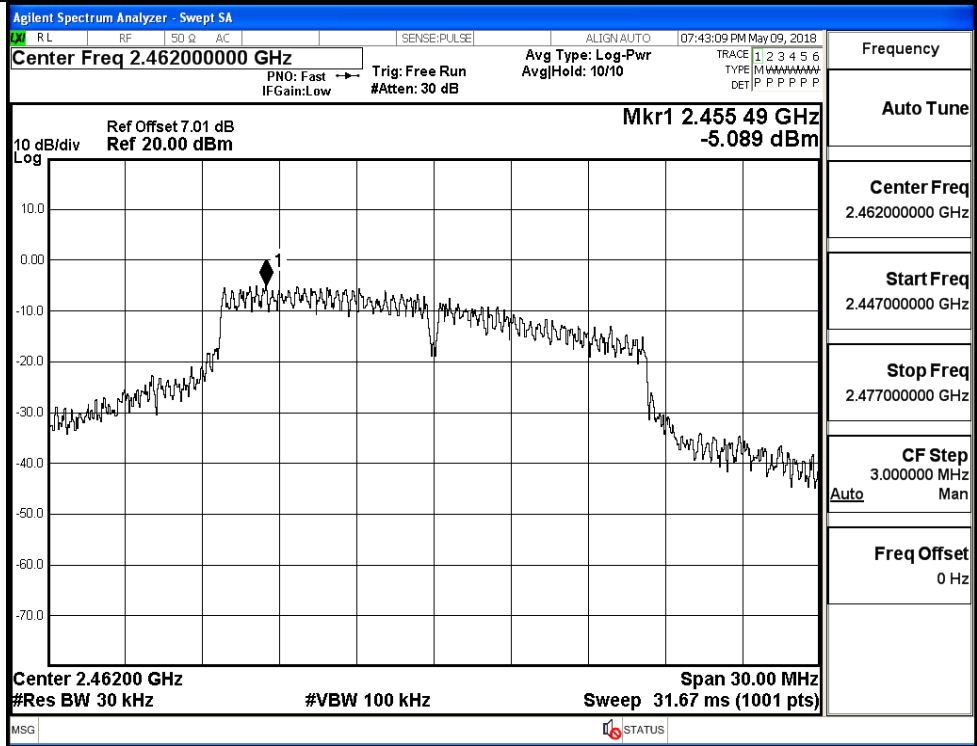
11G/LCH



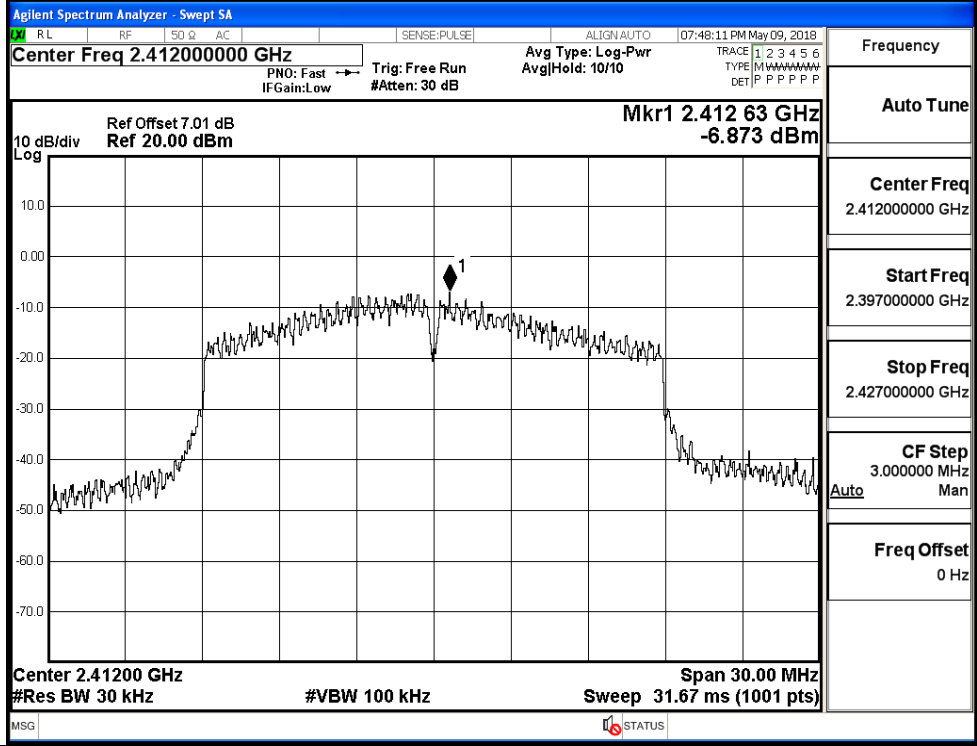
11G/MCH



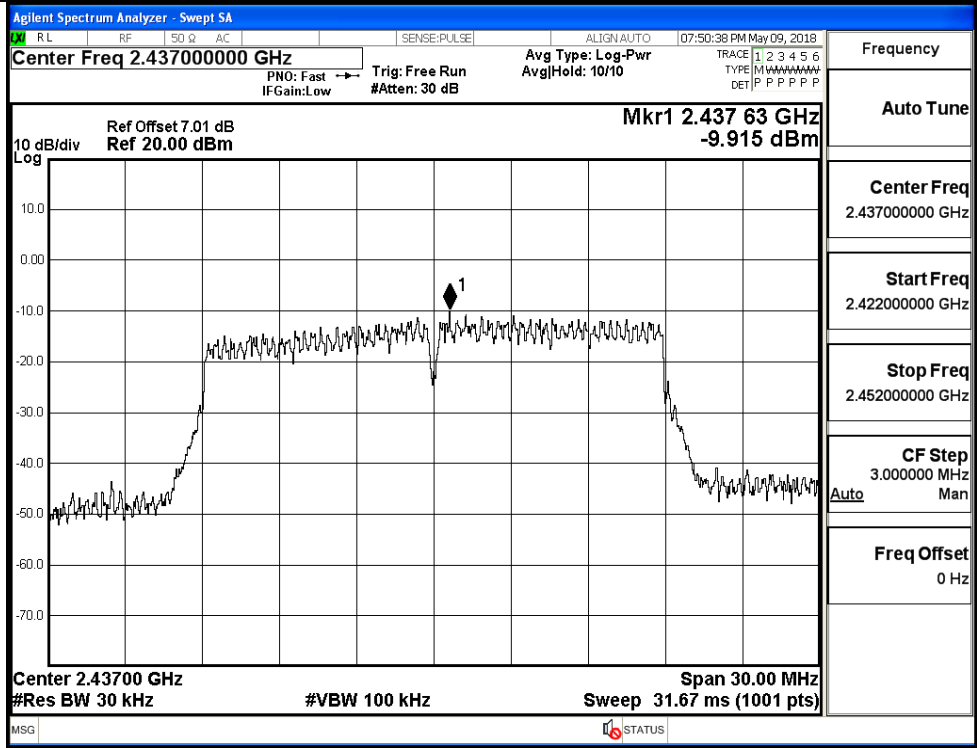
11G/HCH



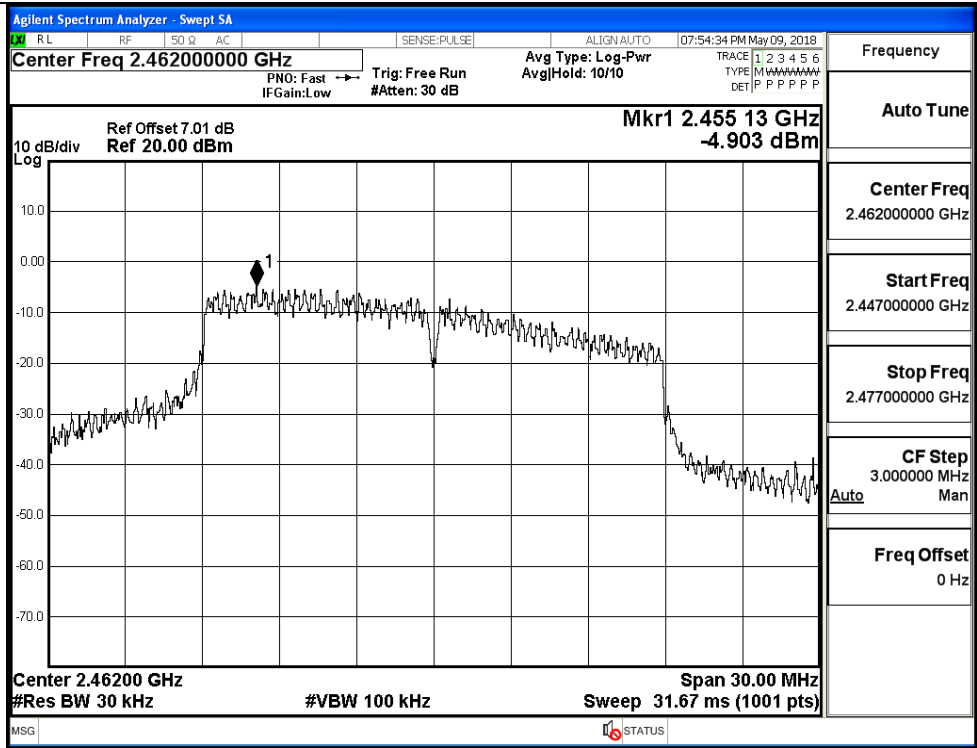
11N20SISO/LCH



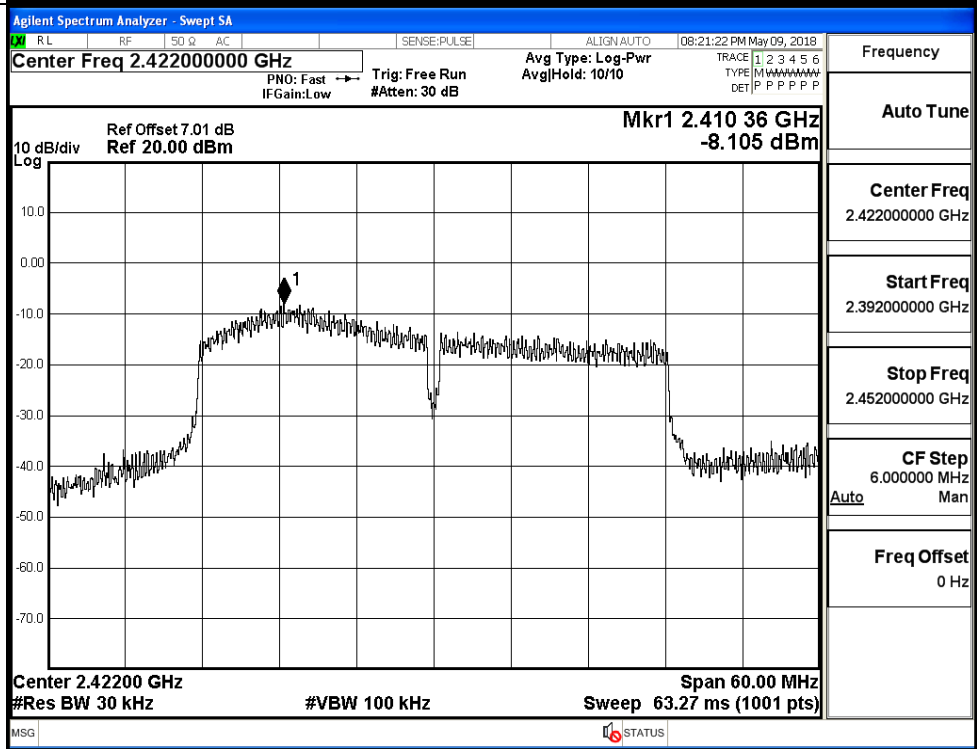
11N20SISO/MCH



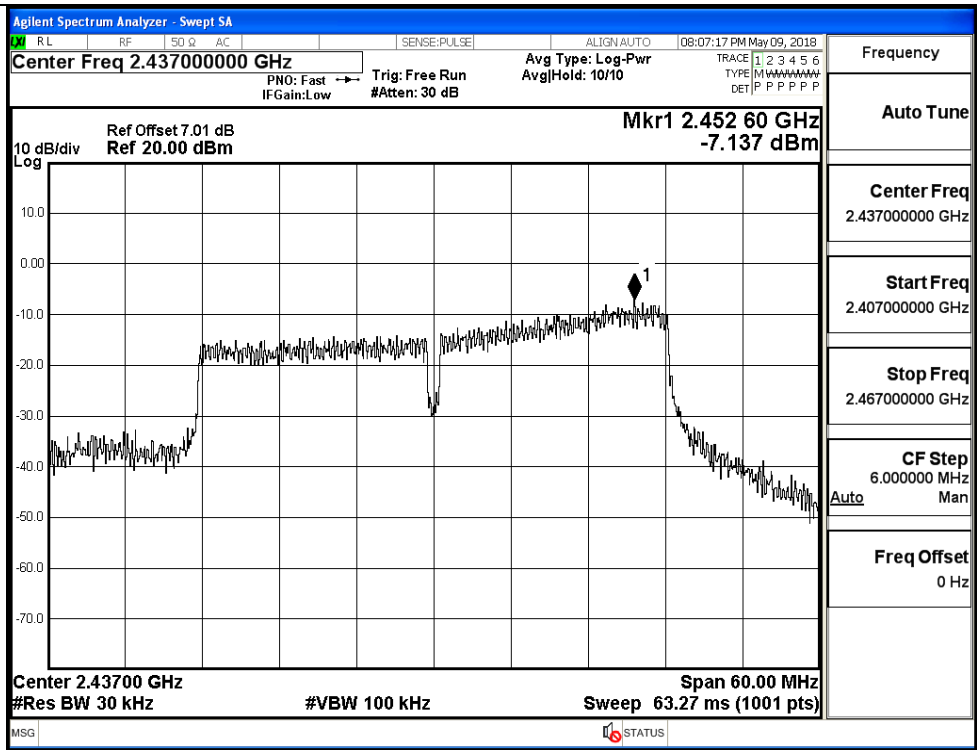
11N20SISO/HCH



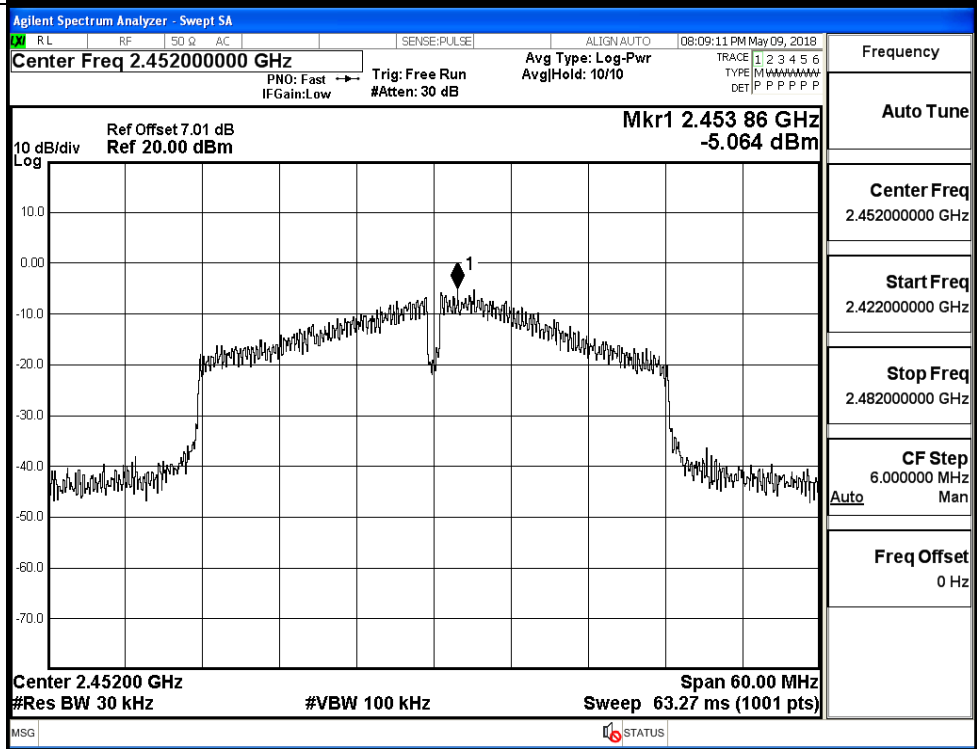
11N40SISO/LCH



11N40SISO/MCH

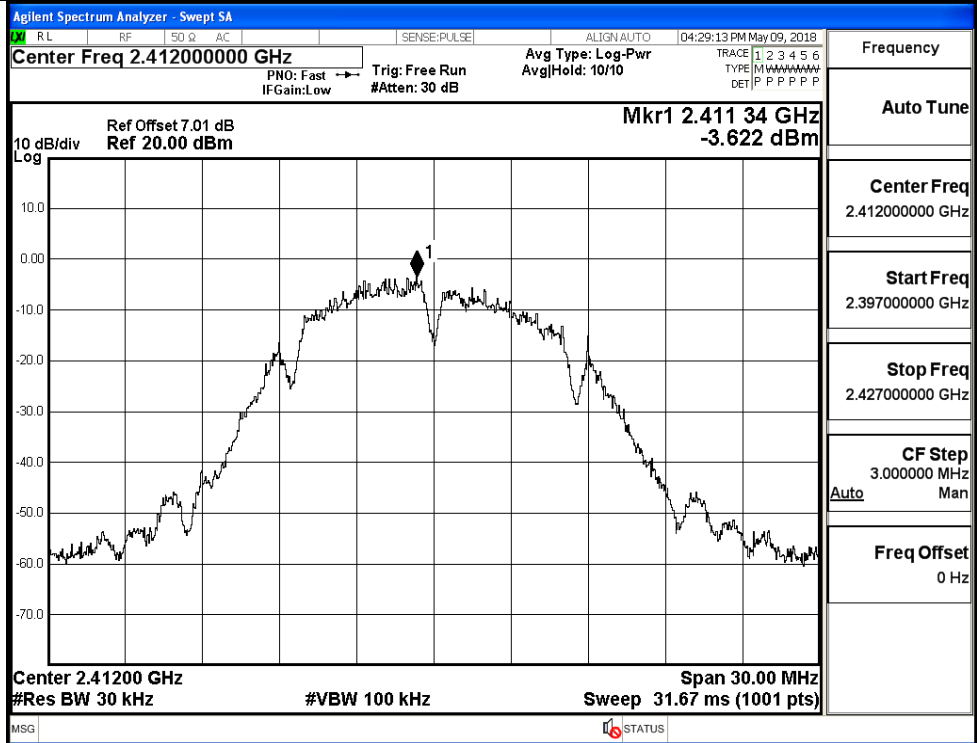


11N40SISO/HCH

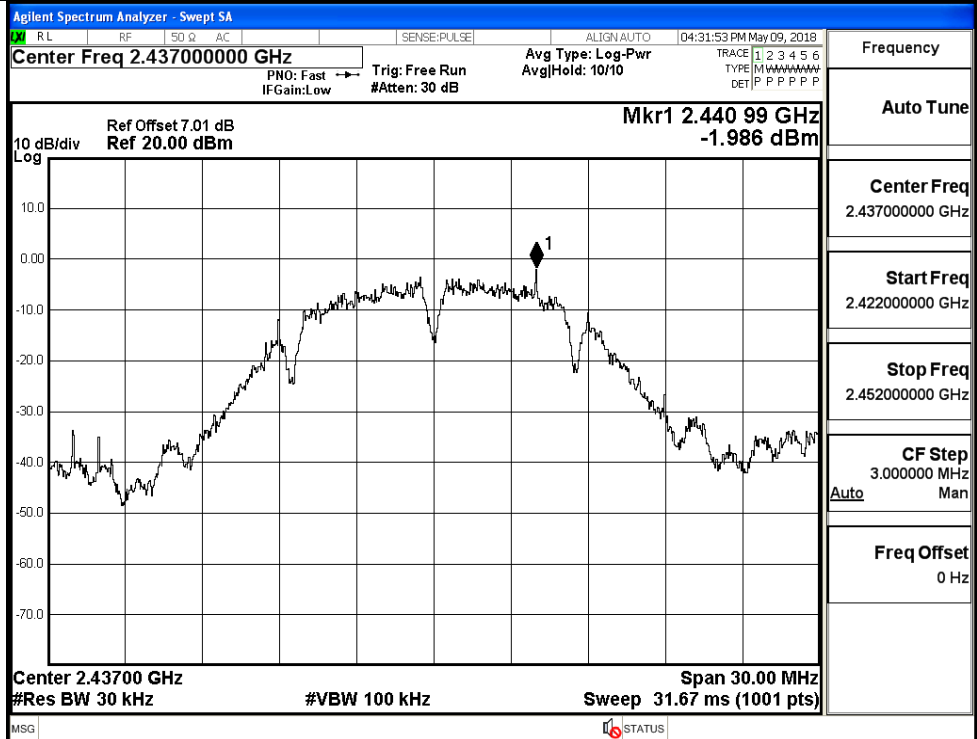


Test Graphs_Ant2

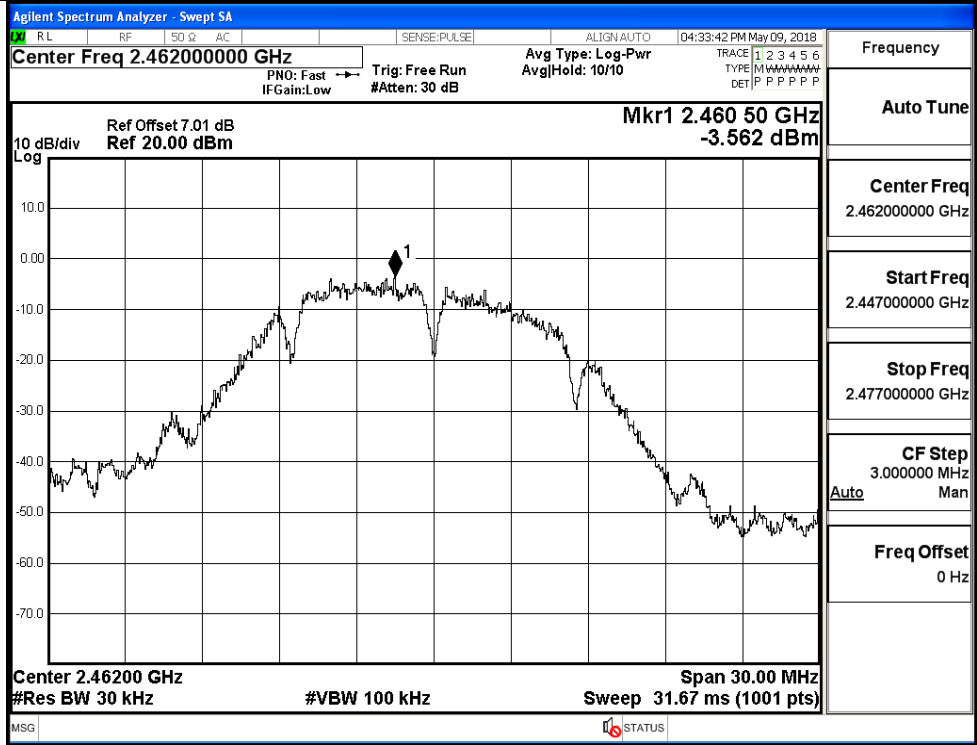
11B/LCH



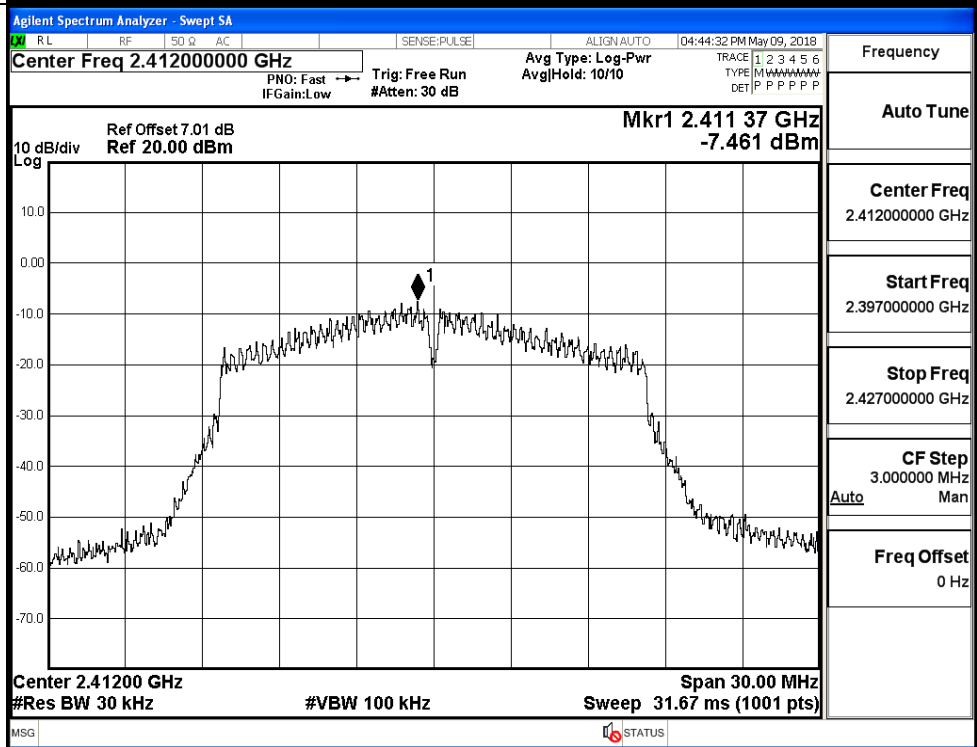
11B/MCH



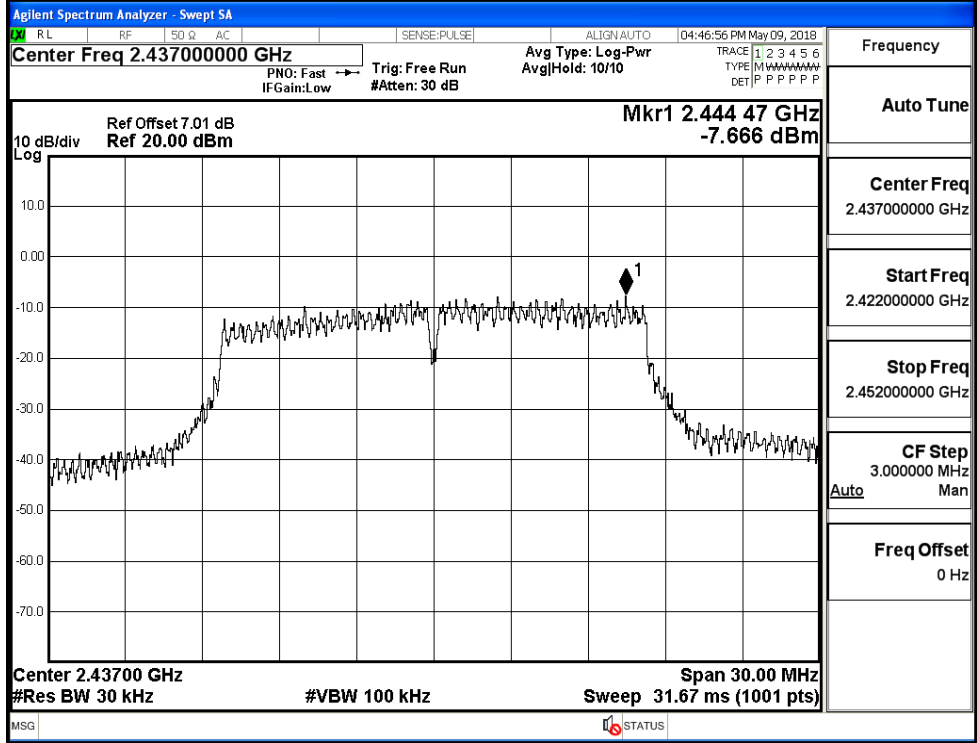
11B/HCH



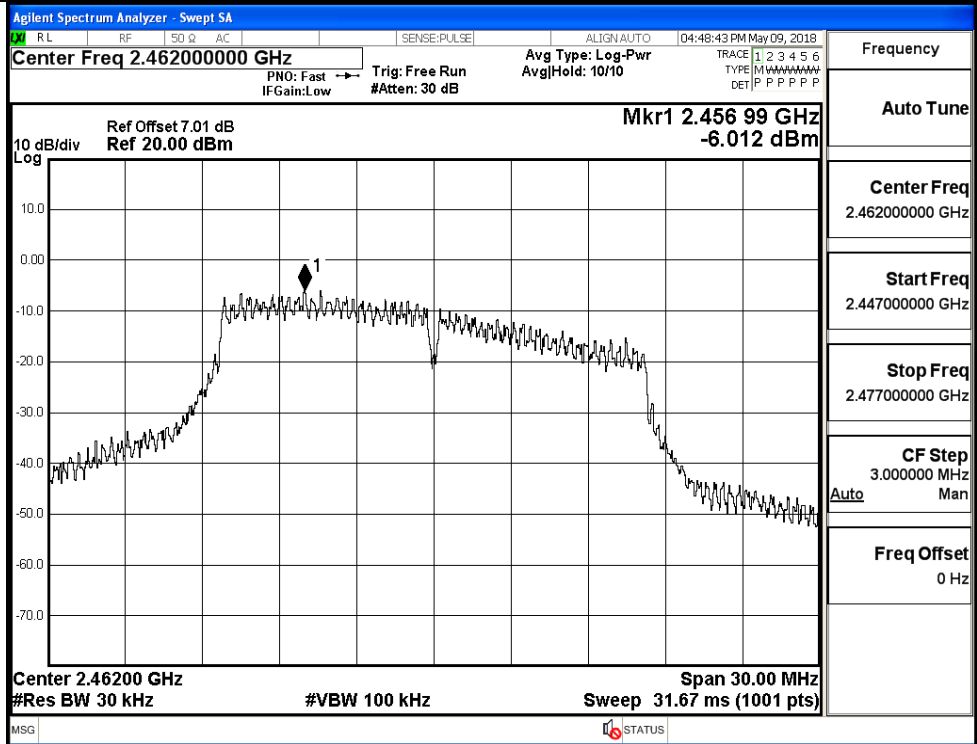
11G/LCH



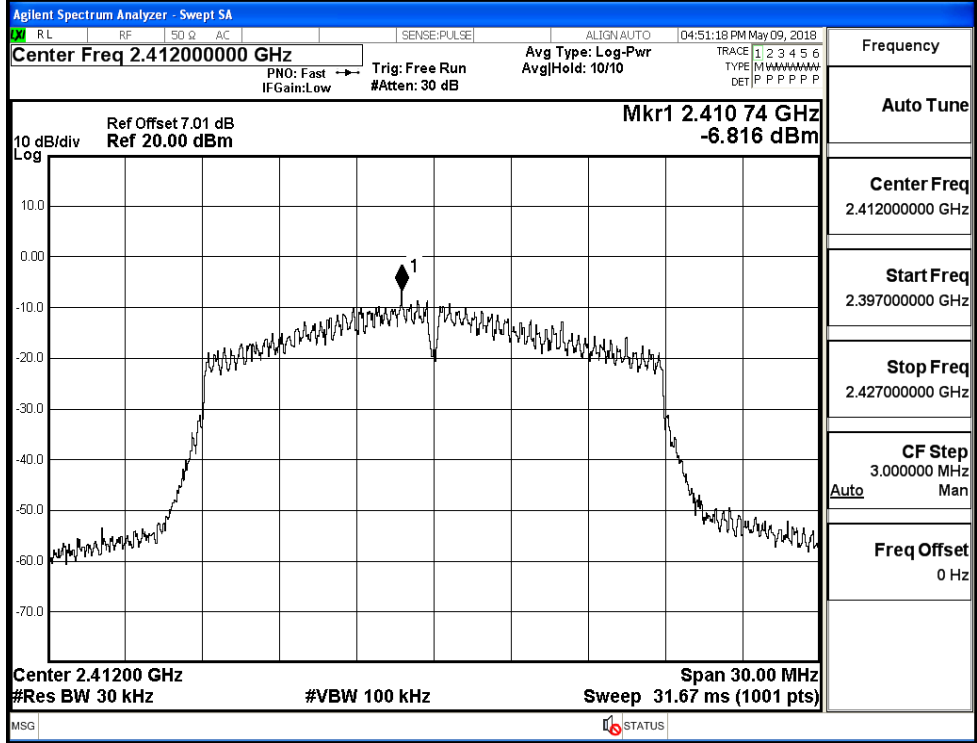
11G/MCH



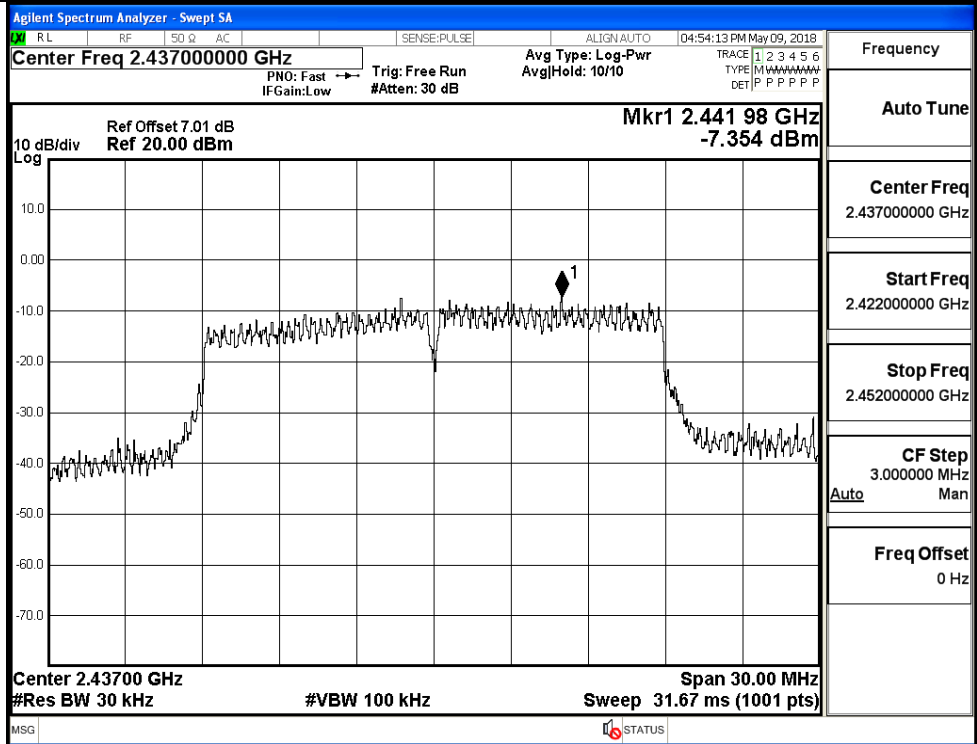
11G/HCH



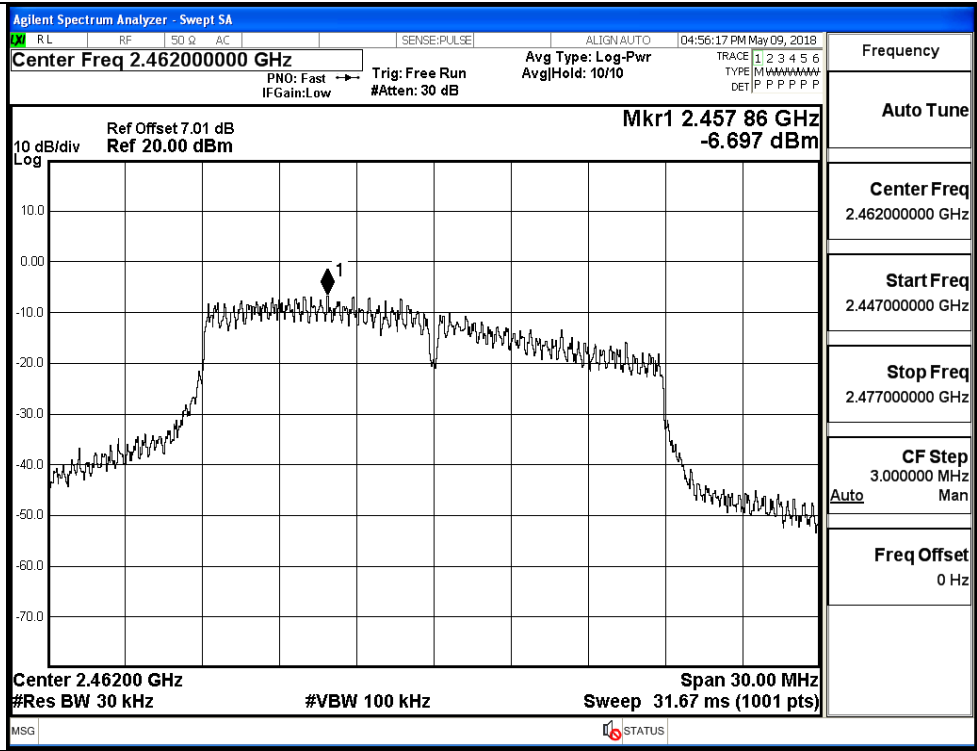
11N20SISO/LCH



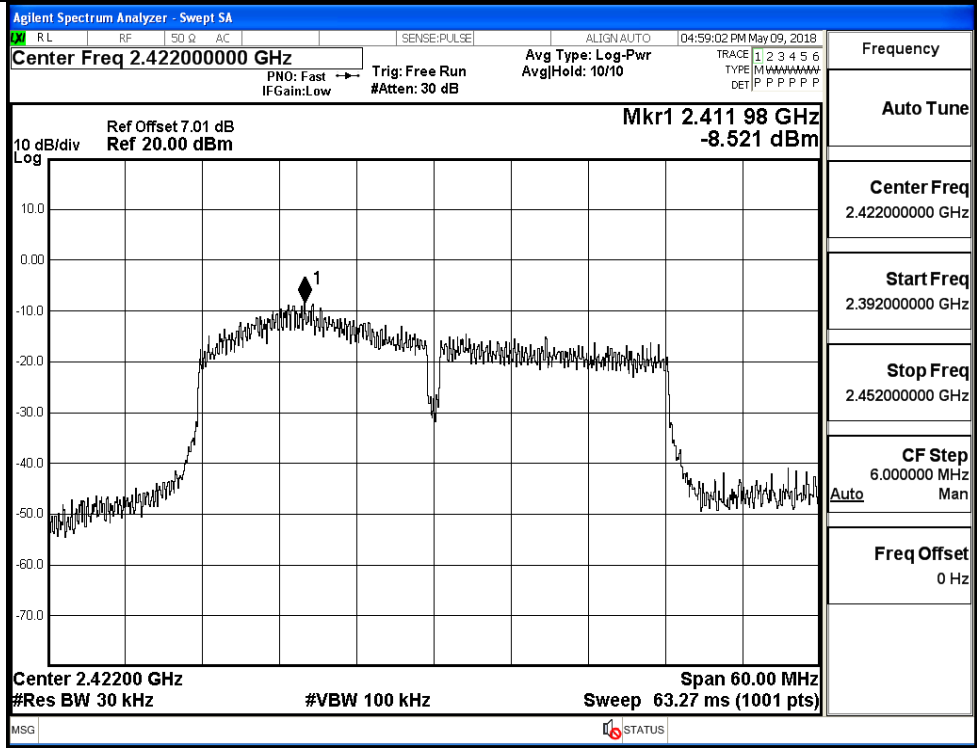
11N20SISO/MCH



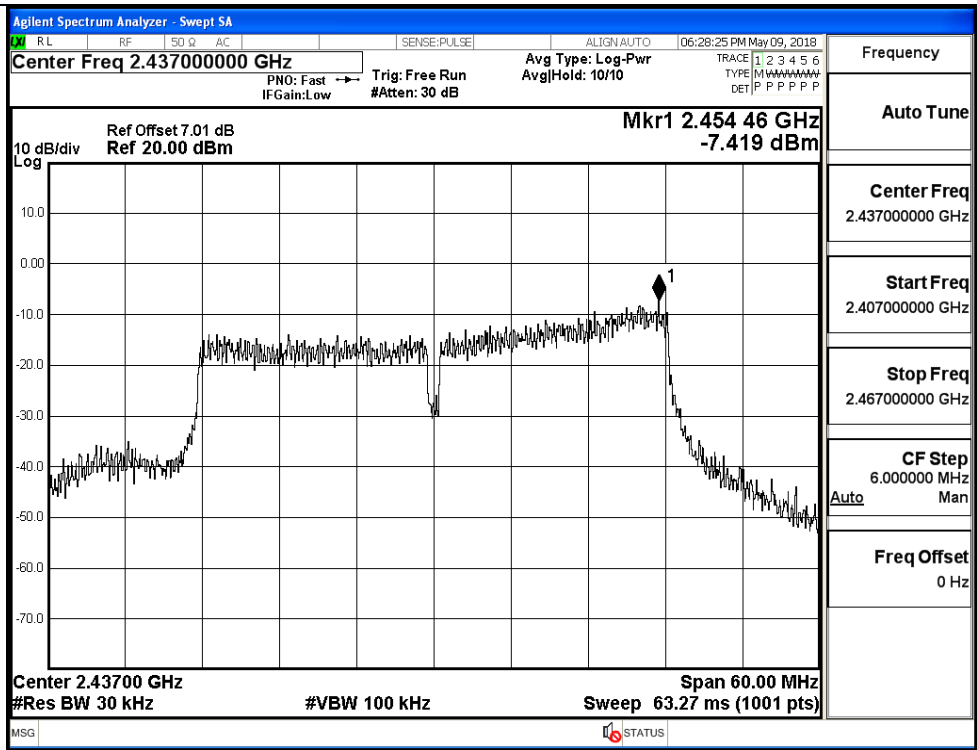
11N20SISO/HCH



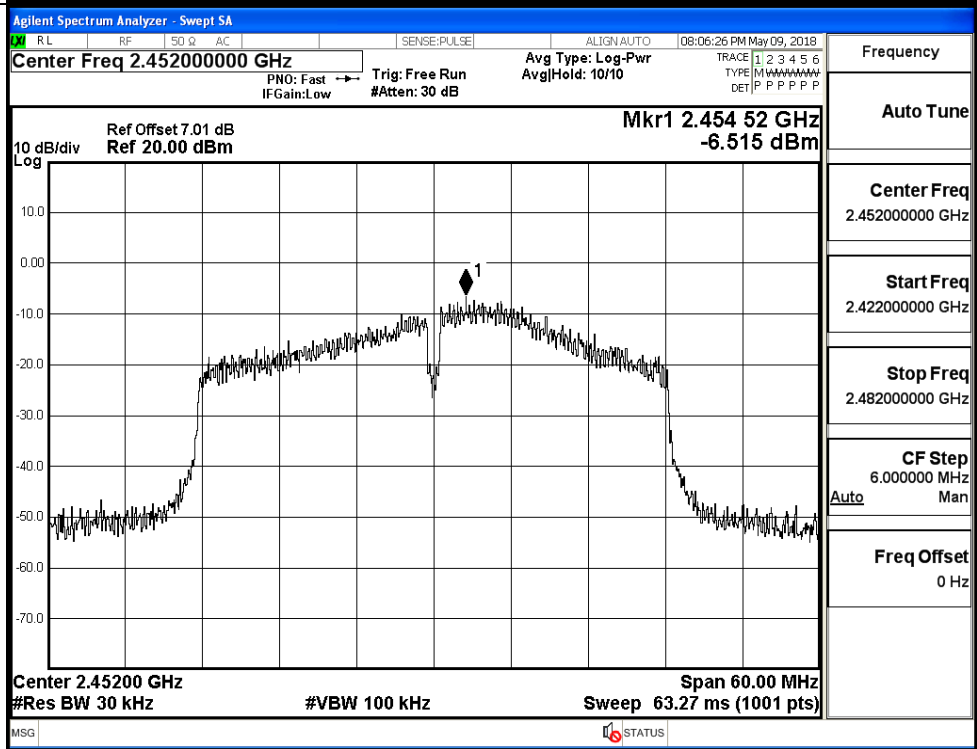
11N40SISO/LCH



11N40SISO/MCH

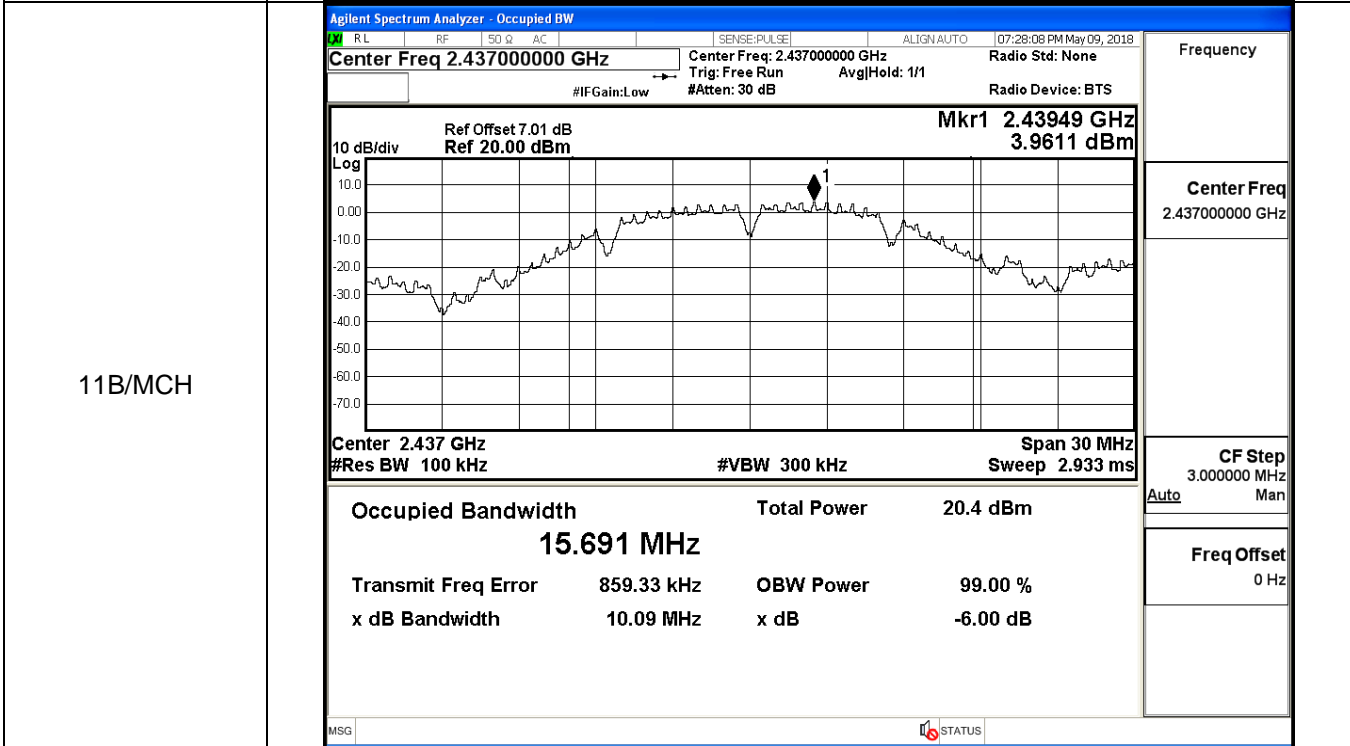
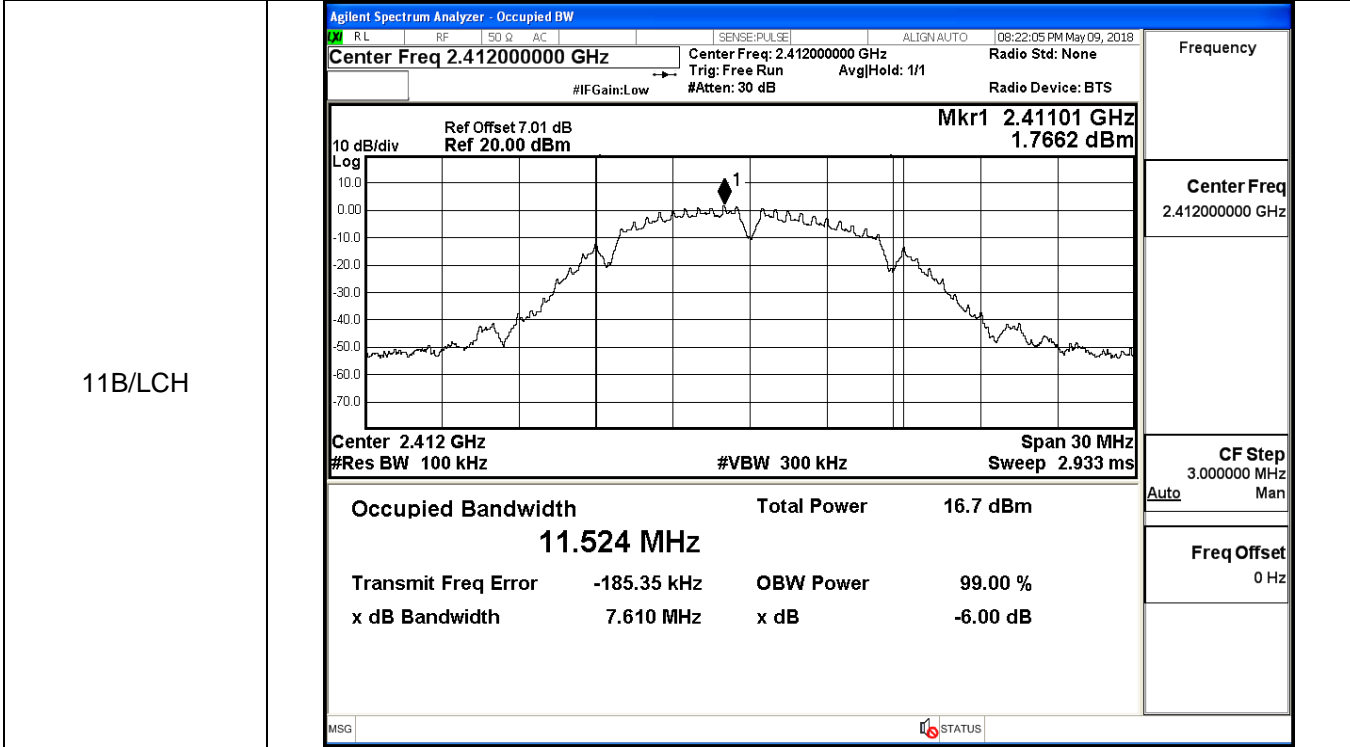


11N40SISO/HCH

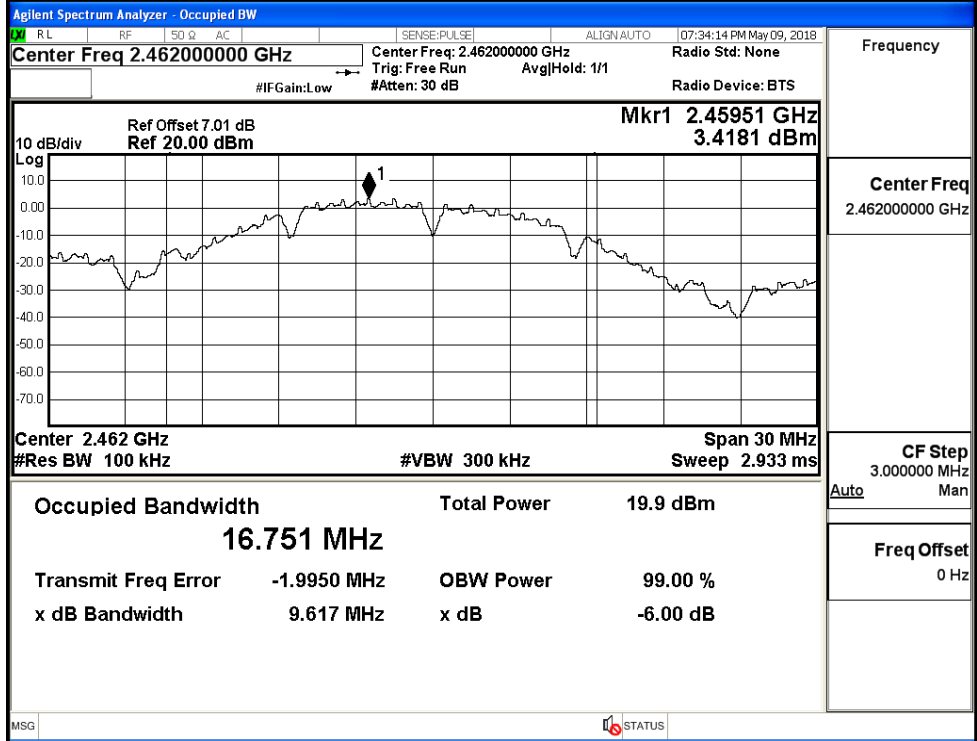


A.3 6dB Bandwidth

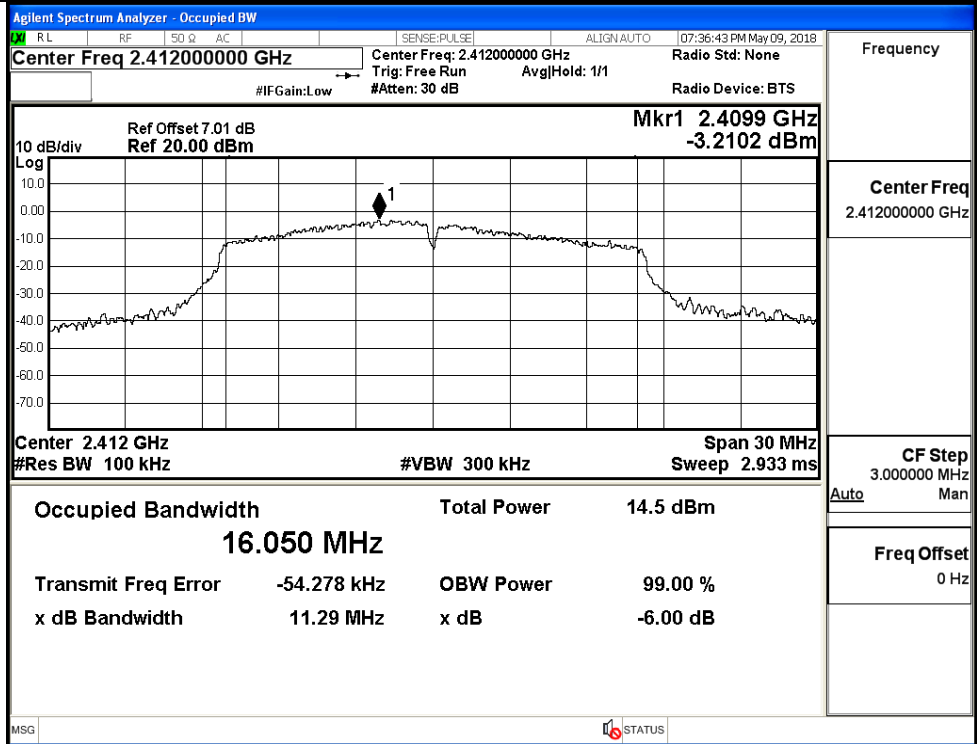
Test Graphs_Ant1



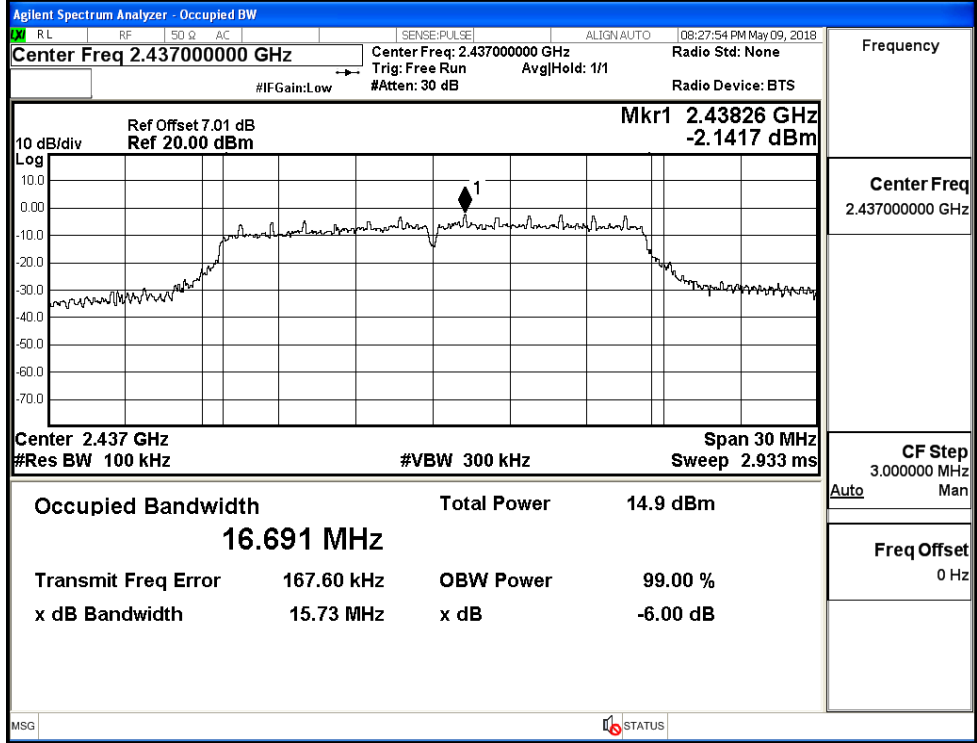
11B/HCH



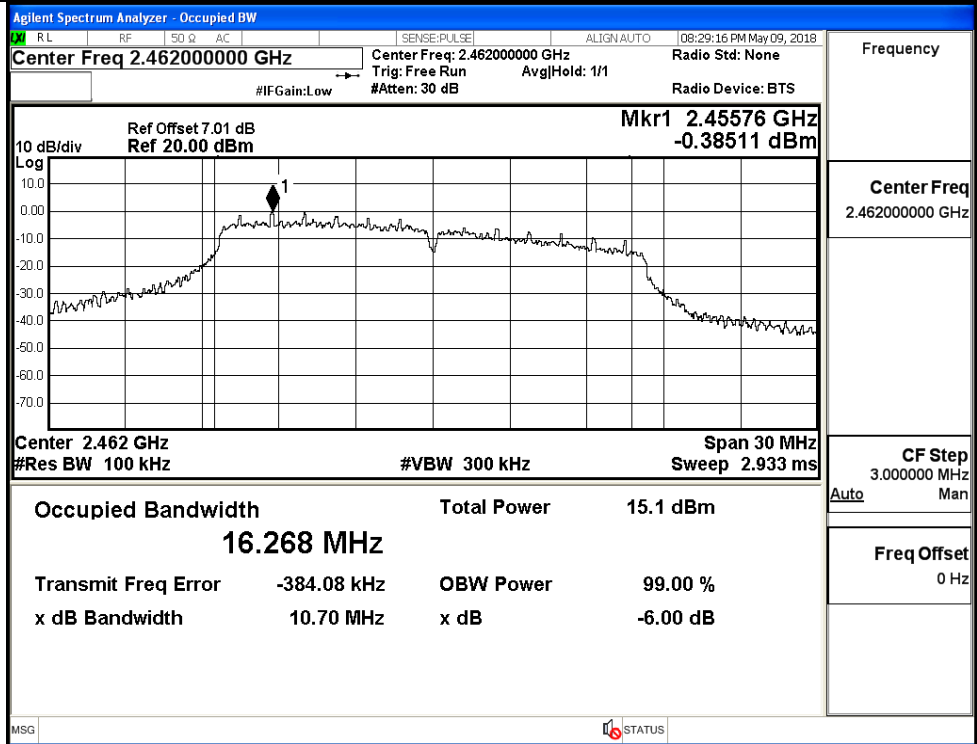
11G/LCH



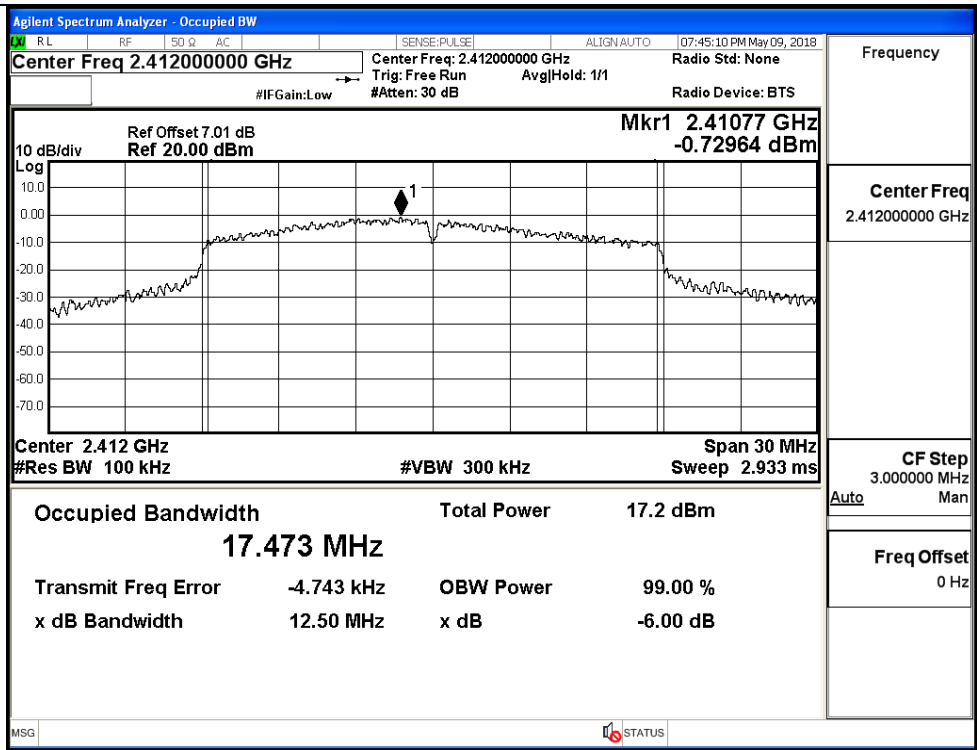
11G/MCH



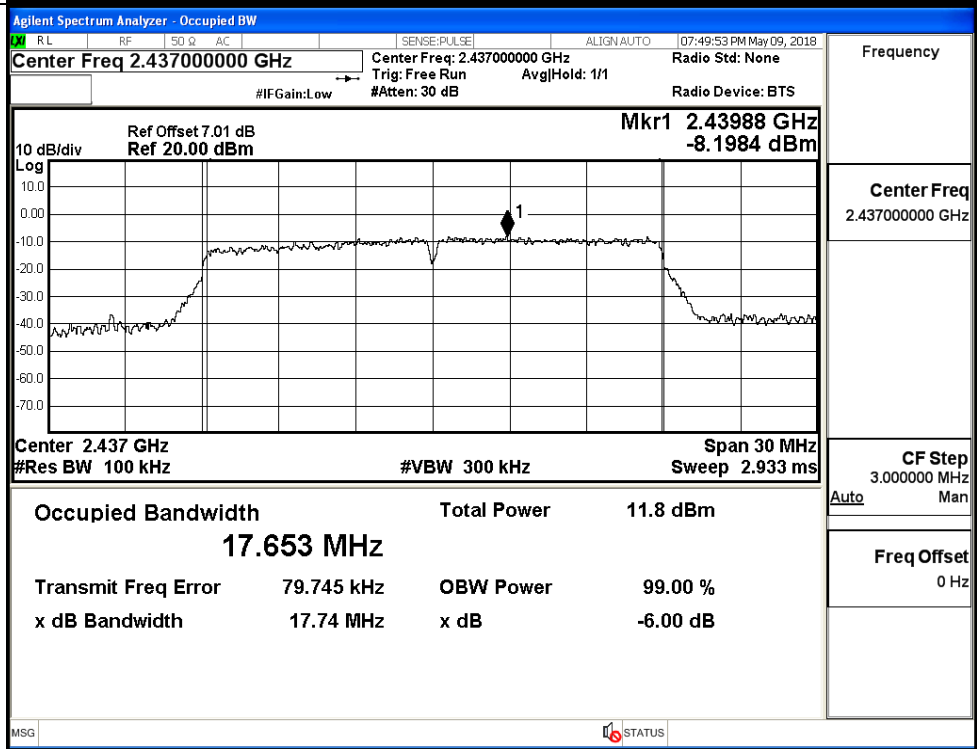
11G/HCH



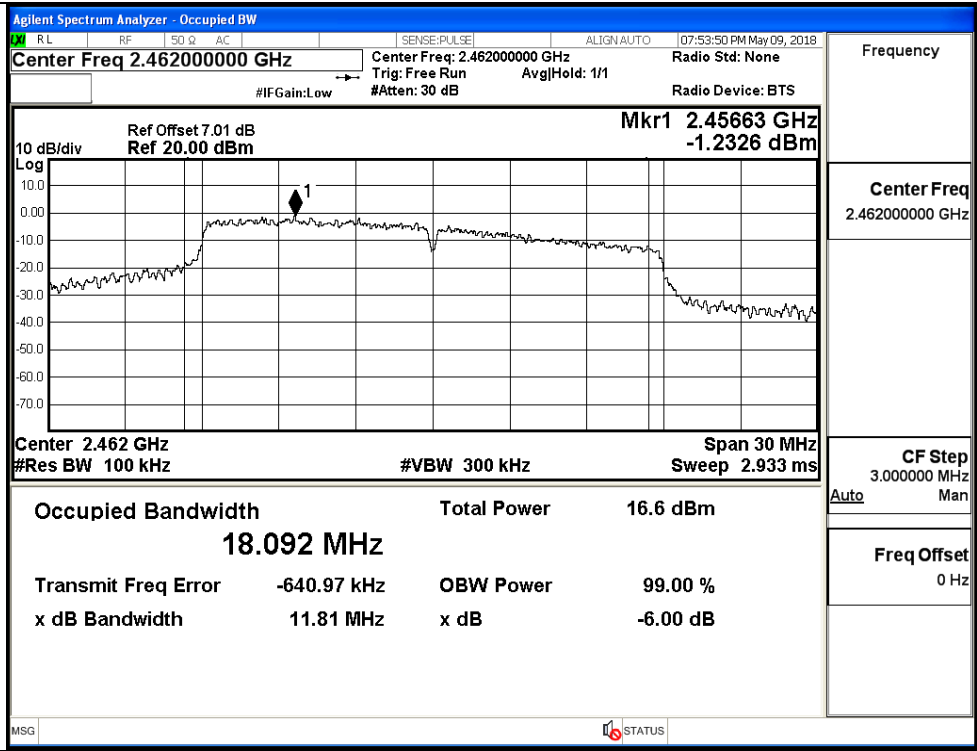
11N20SISO/LCH



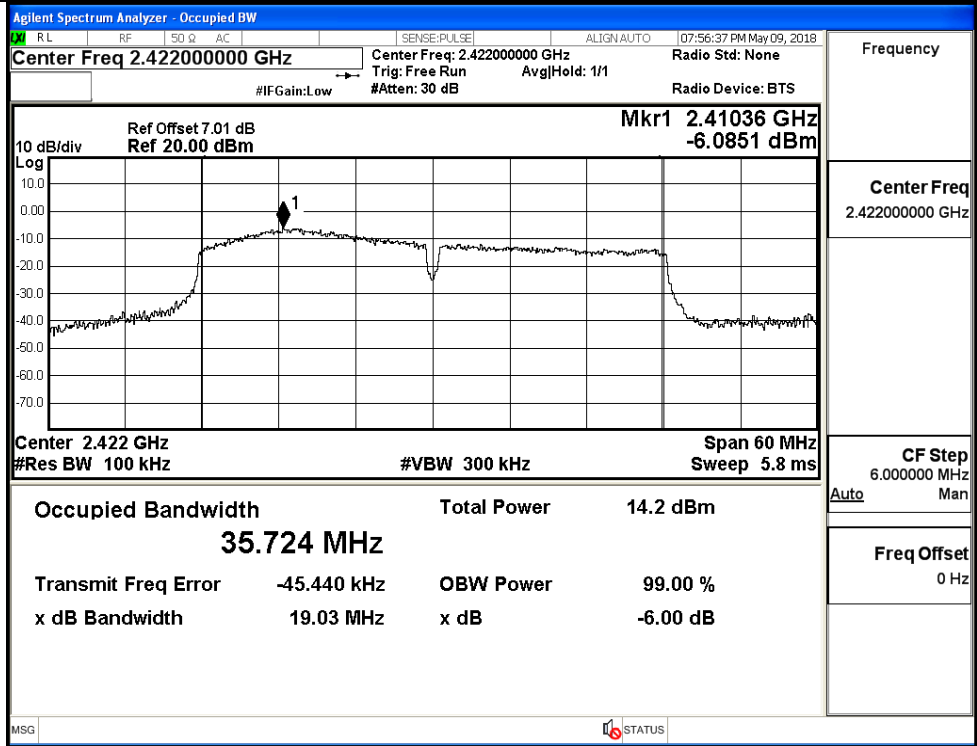
11N20SISO/MCH



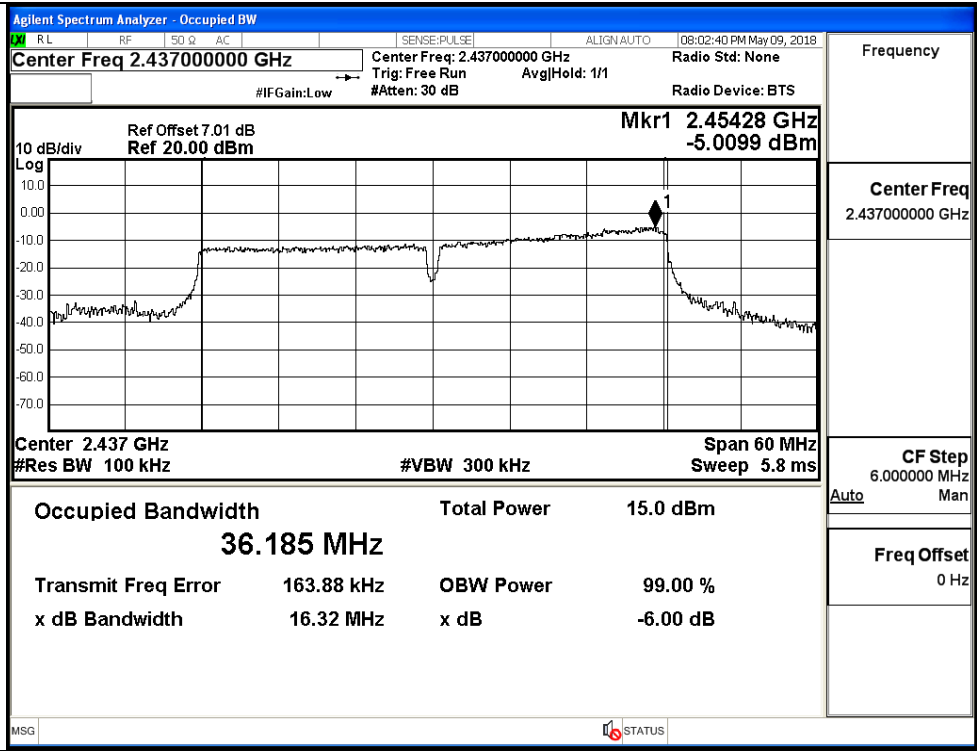
11N20SISO/HCH



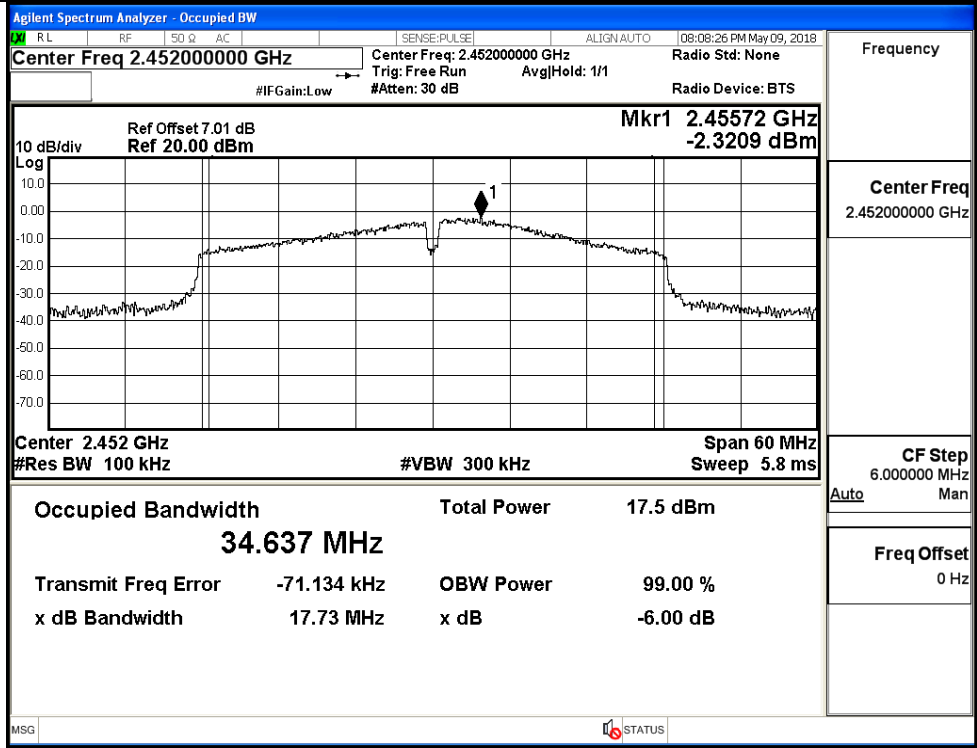
11N40SISO/LCH



11N40SISO/MCH

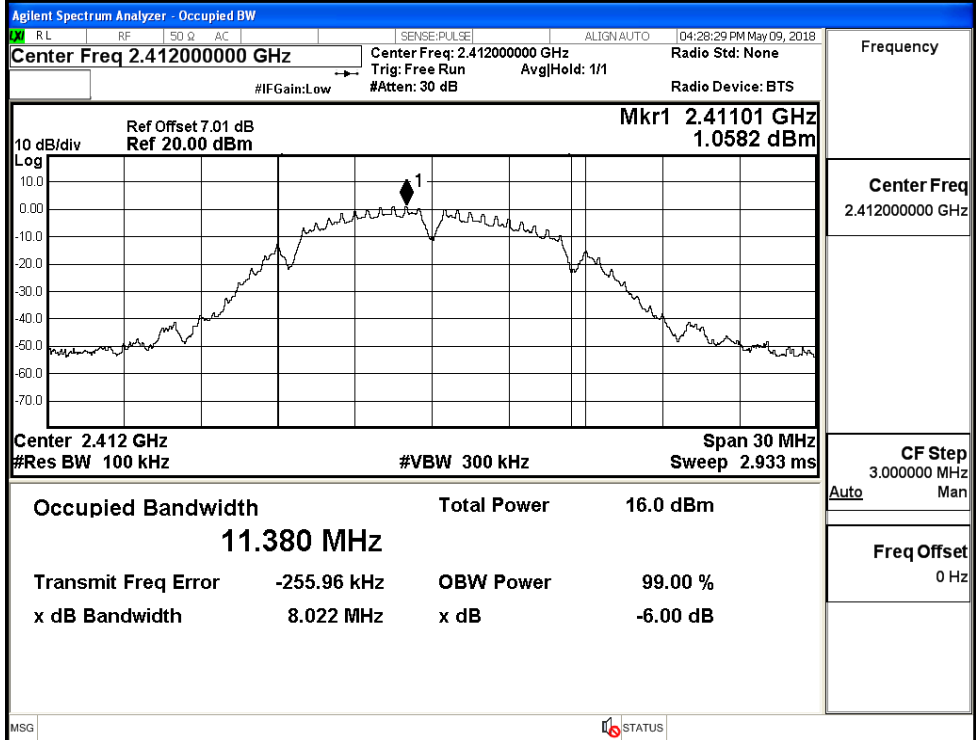


11N40SISO/HCH



Test Graphs_Ant2

11B/LCH



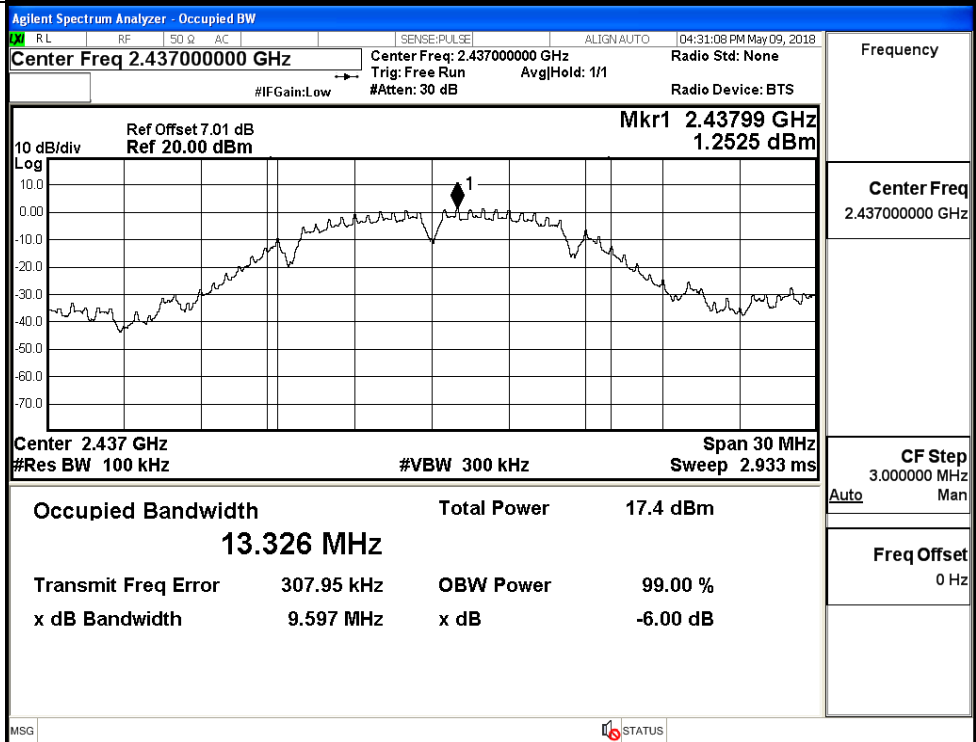
Frequency

Center Freq
2.41200000 GHz

CF Step
3.000000 MHz

Freq Offset
0 Hz

11B/MCH



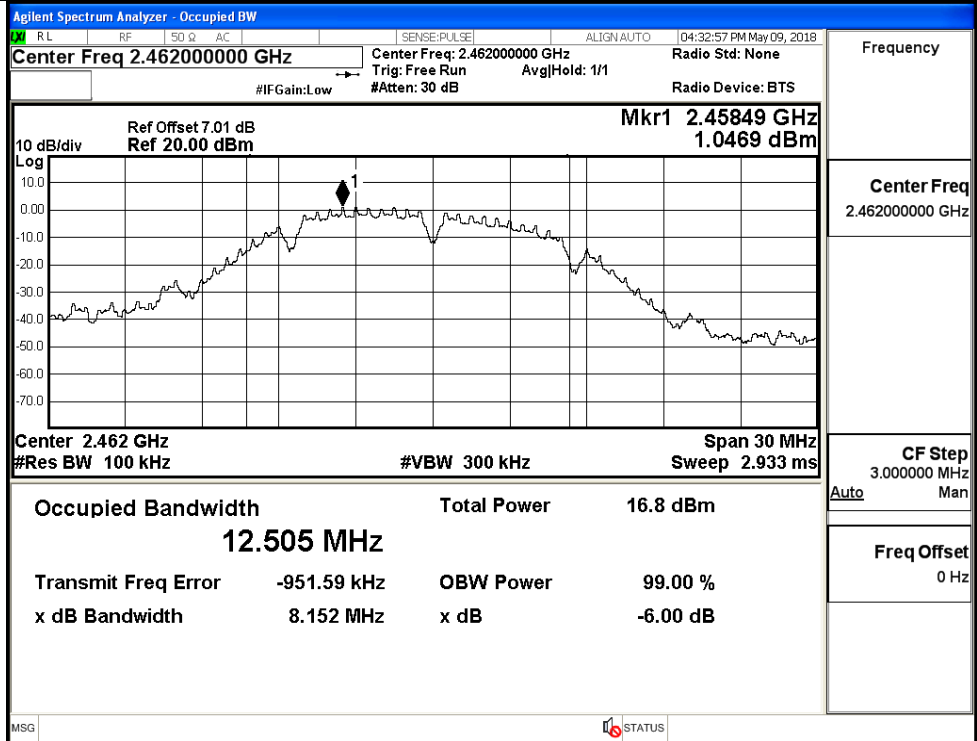
Frequency

Center Freq
2.43700000 GHz

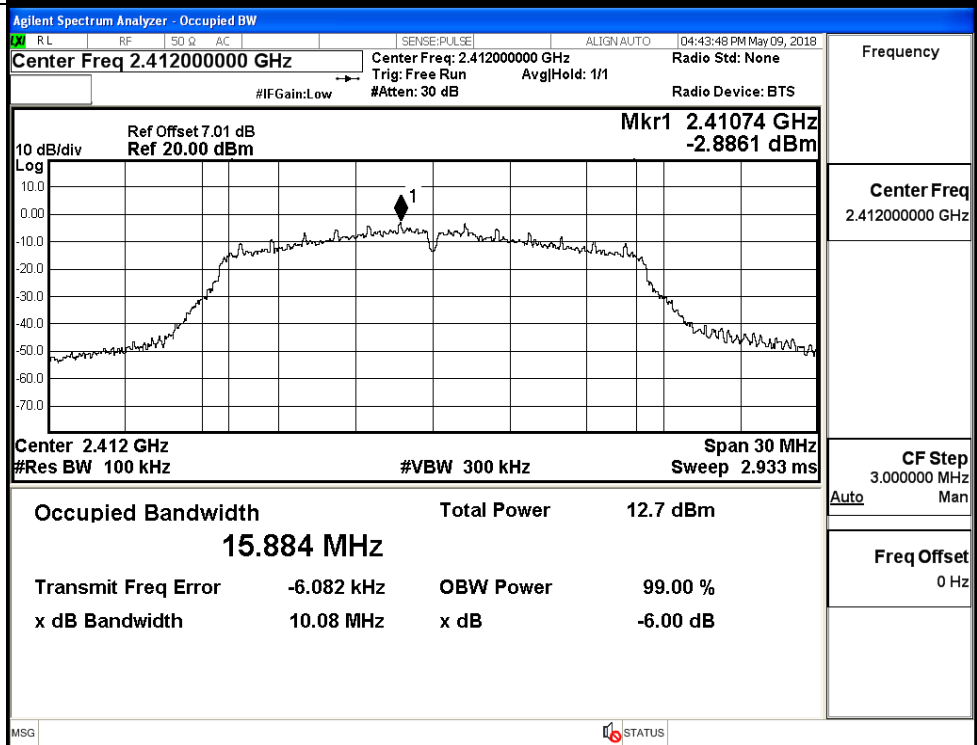
CF Step
3.000000 MHz

Freq Offset
0 Hz

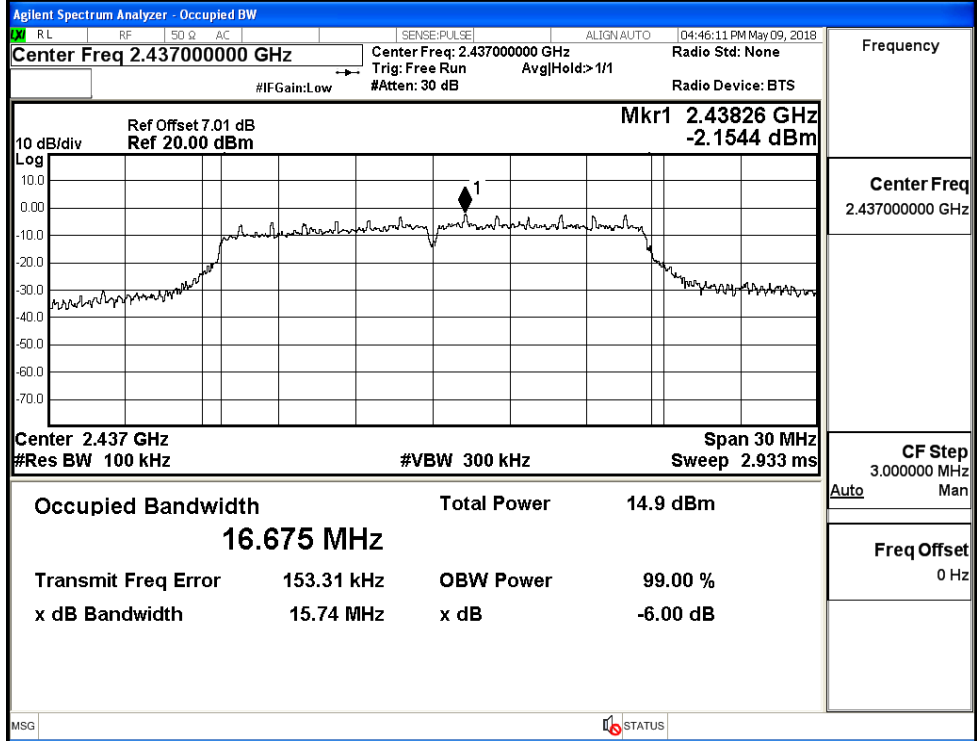
11B/HCH



11G/LCH



11G/MCH

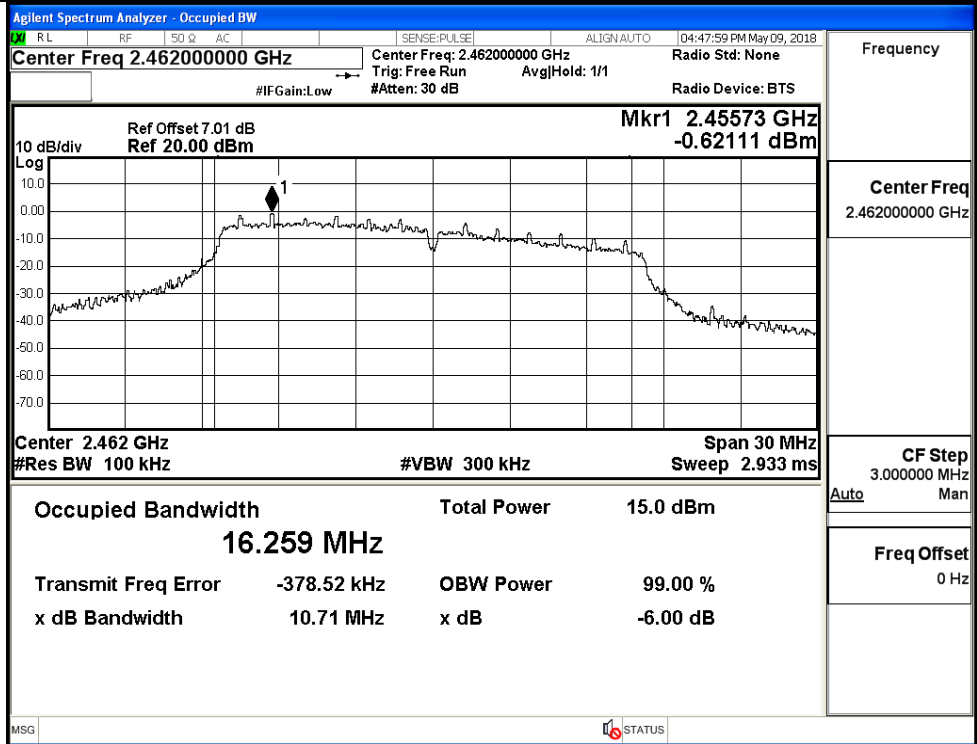


Frequency
Center Freq
2.43700000 GHz

CF Step
3.000000 MHz
Auto Man

Freq Offset
0 Hz

11G/HCH

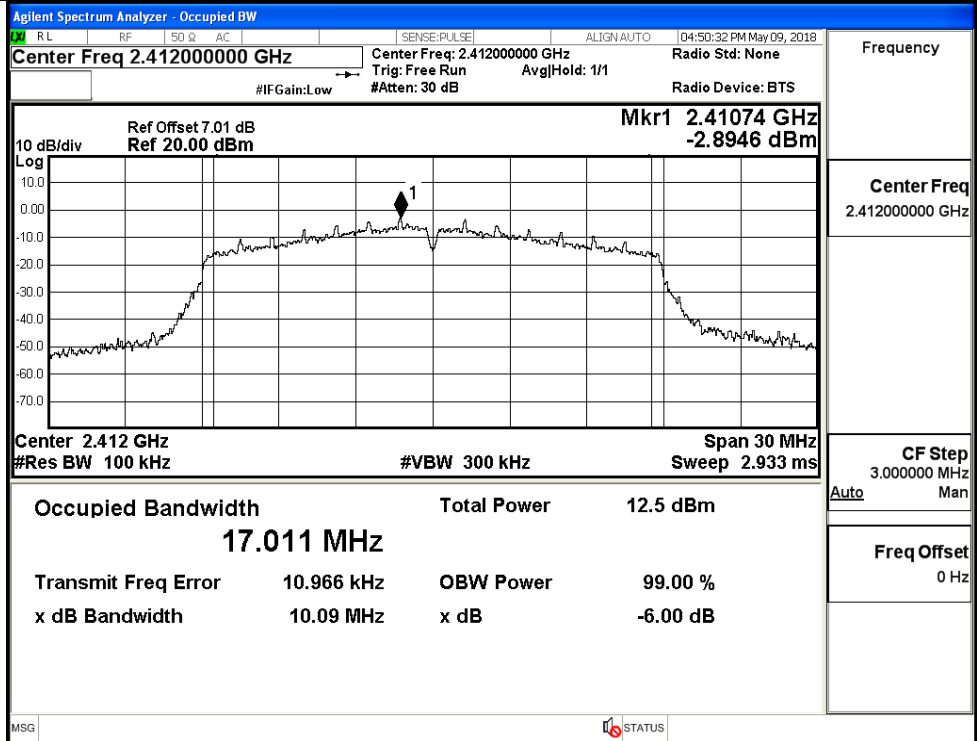


Frequency
Center Freq
2.46200000 GHz

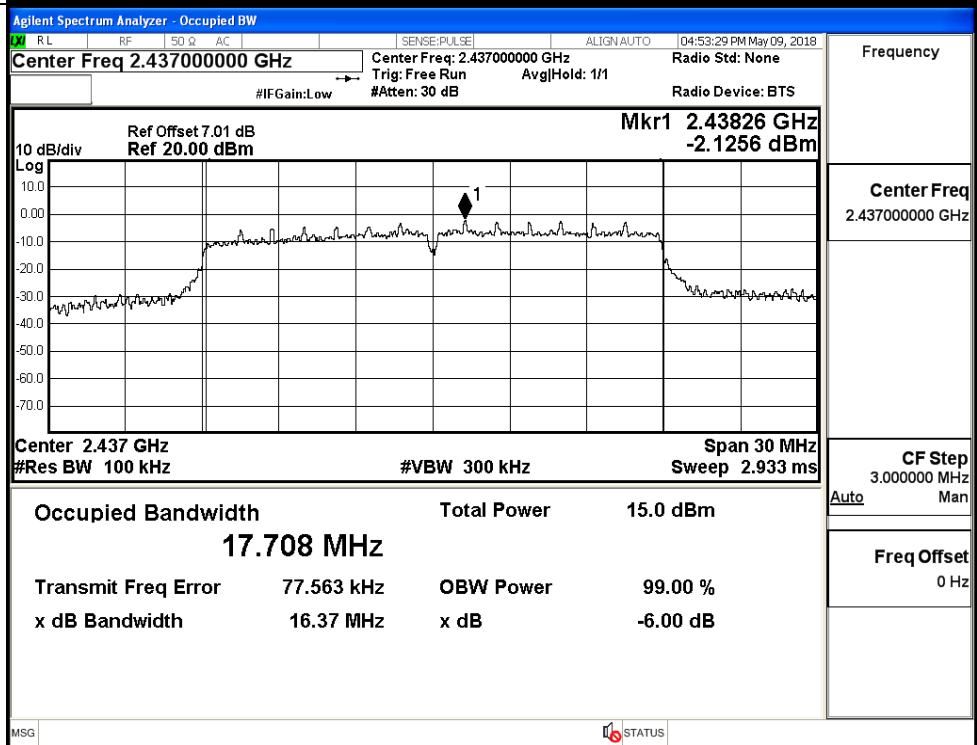
CF Step
3.000000 MHz
Auto Man

Freq Offset
0 Hz

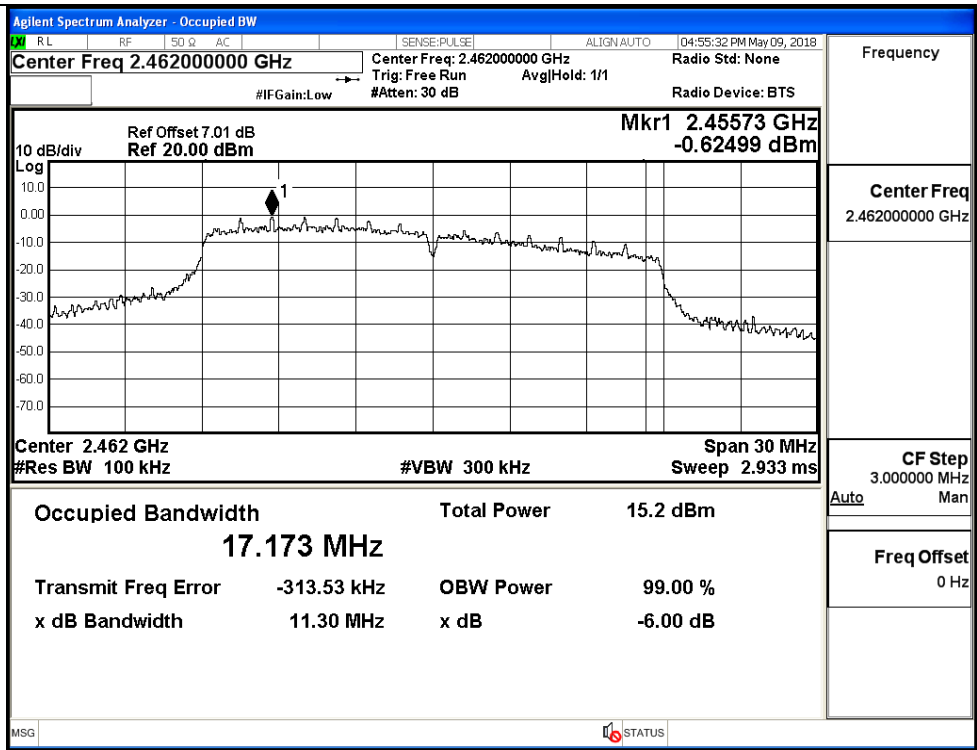
11N20SISO/LCH



11N20SISO/MCH

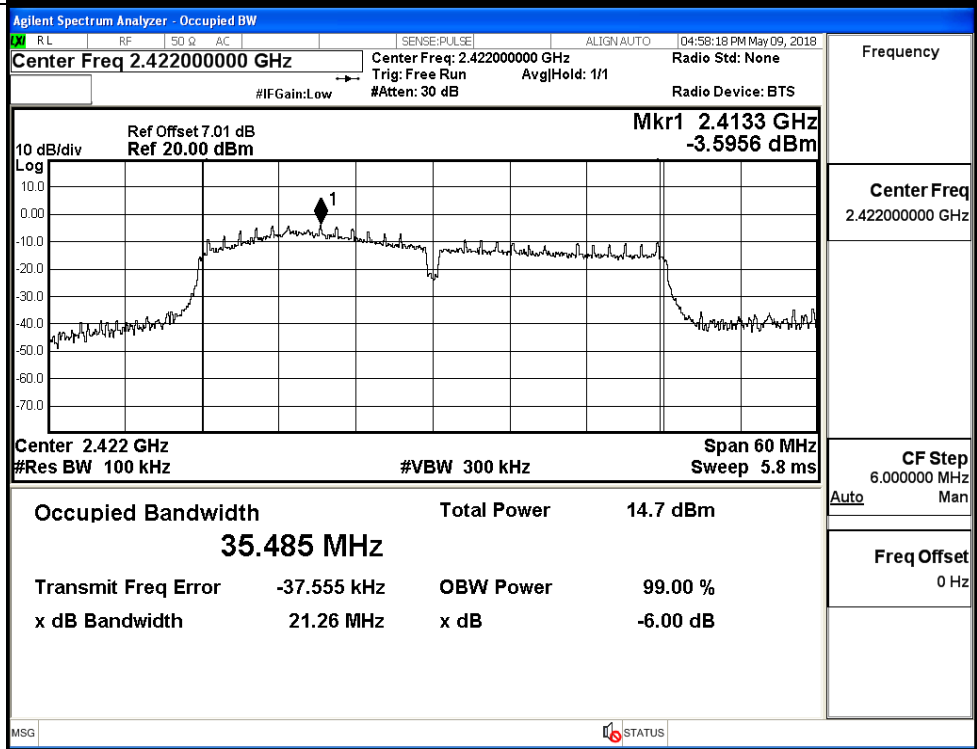


11N20SISO/HCH



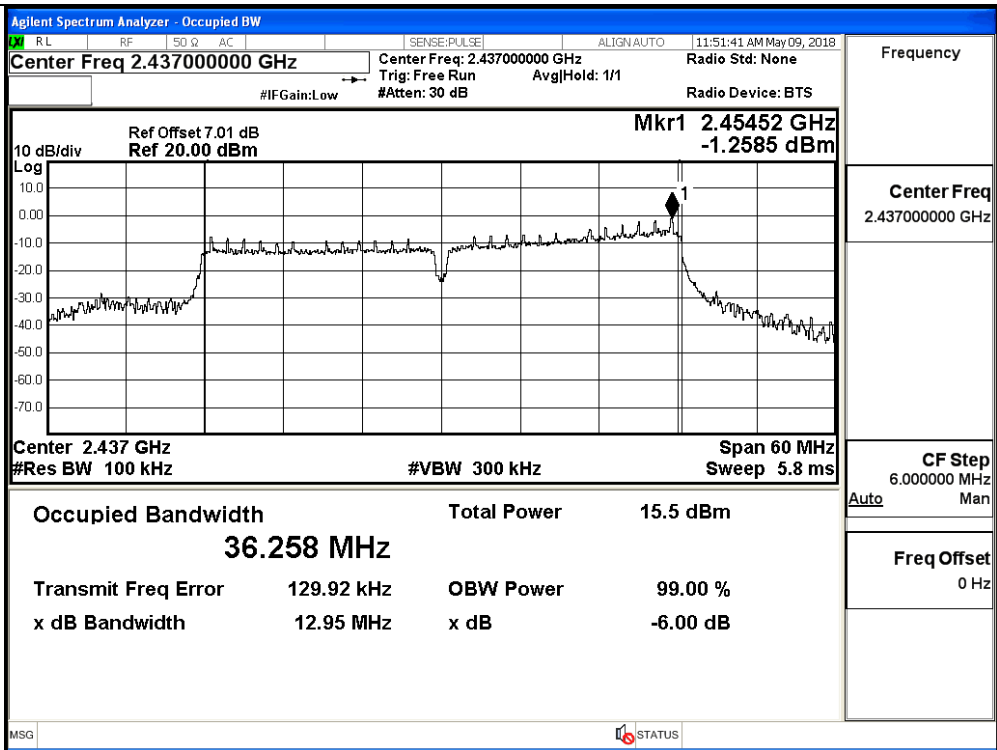
Frequency	2.46200000 GHz
Center Freq	2.46200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N40SISO/LCH

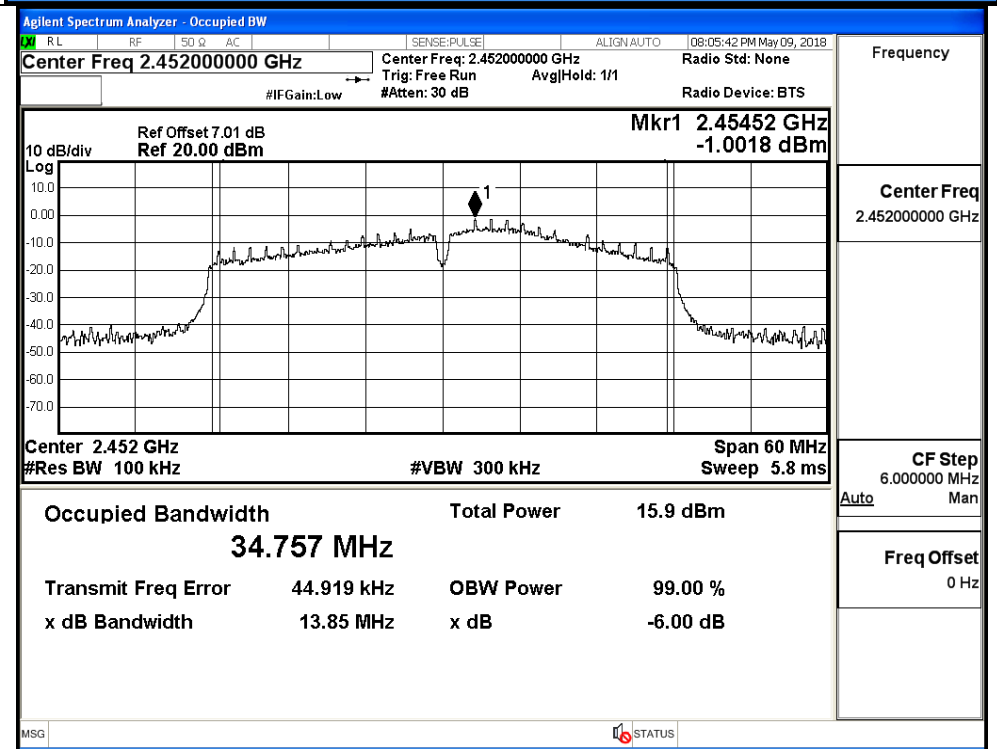


Frequency	2.42200000 GHz
Center Freq	2.42200000 GHz
CF Step	6.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N40SISO/MCH



11N40SISO/HCH

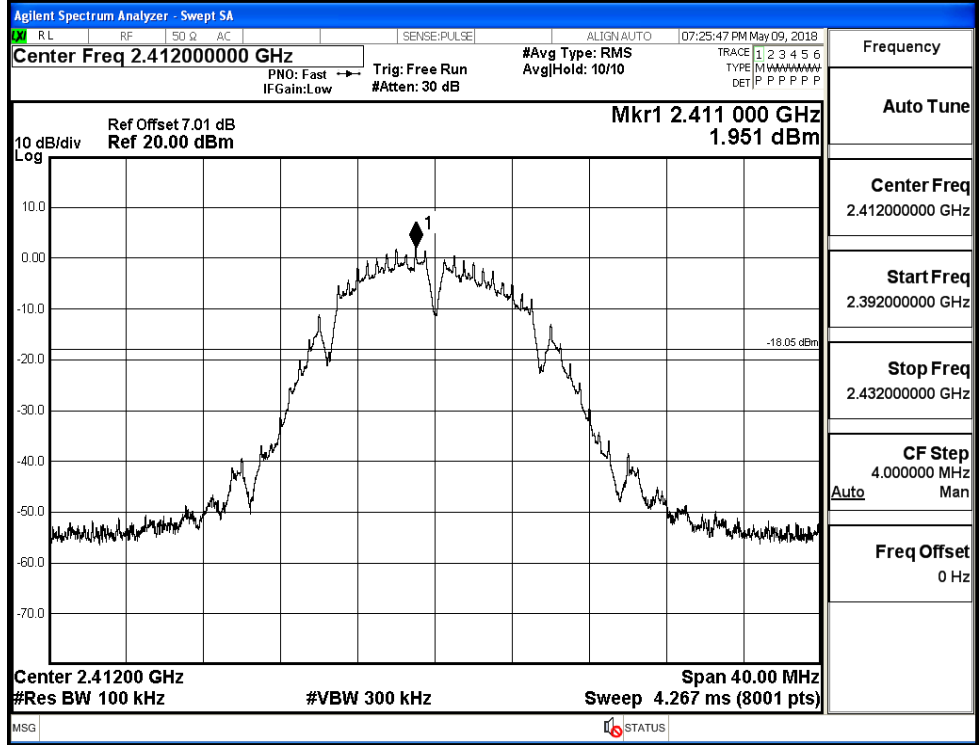


A.4 RF Conducted Spurious Emissions

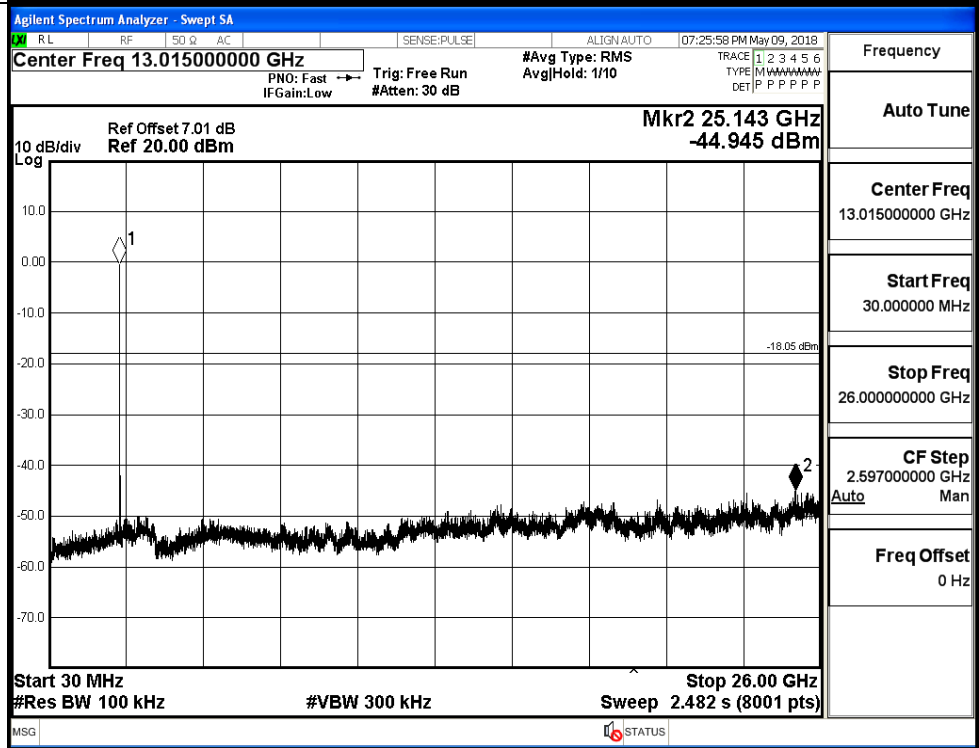
Mode	Channel	Antenna	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	Ant1	1.951	-44.945	-18.049	PASS
	MCH	Ant1	4.041	-45.591	-15.959	PASS
	HCH	Ant1	3.228	-45.040	-16.772	PASS
11G	LCH	Ant1	-3.022	-44.043	-23.022	PASS
	MCH	Ant1	-5.74	-45.212	-25.740	PASS
	HCH	Ant1	-1.401	-43.724	-21.401	PASS
11N20SISO	LCH	Ant1	-4.004	-44.684	-24.004	PASS
	MCH	Ant1	-6.135	-44.341	-26.135	PASS
	HCH	Ant1	-1.515	-44.970	-21.515	PASS
11N40SISO	LCH	Ant1	-6.475	-44.275	-26.475	PASS
	MCH	Ant1	-4.324	-45.546	-24.324	PASS
	HCH	Ant1	-2.607	-45.083	-22.607	PASS
11B	LCH	Ant2	1.112	-44.296	-18.888	PASS
	MCH	Ant2	1.114	-44.658	-18.886	PASS
	HCH	Ant2	0.808	-44.739	-19.192	PASS
11G	LCH	Ant2	-3.047	-44.368	-23.047	PASS
	MCH	Ant2	-2.808	-44.426	-22.808	PASS
	HCH	Ant2	-0.532	-44.876	-20.532	PASS
11N20SISO	LCH	Ant2	-3.255	-44.881	-23.255	PASS
	MCH	Ant2	-2.242	-44.563	-22.242	PASS
	HCH	Ant2	-0.815	-44.613	-20.815	PASS
11N40SISO	LCH	Ant2	-3.24	-44.572	-23.240	PASS
	MCH	Ant2	-1.098	-44.900	-21.098	PASS
	HCH	Ant2	-1.085	-44.200	-21.085	PASS

11B_LCH_Test Graphs_Ant1

Pref/11B/LCH

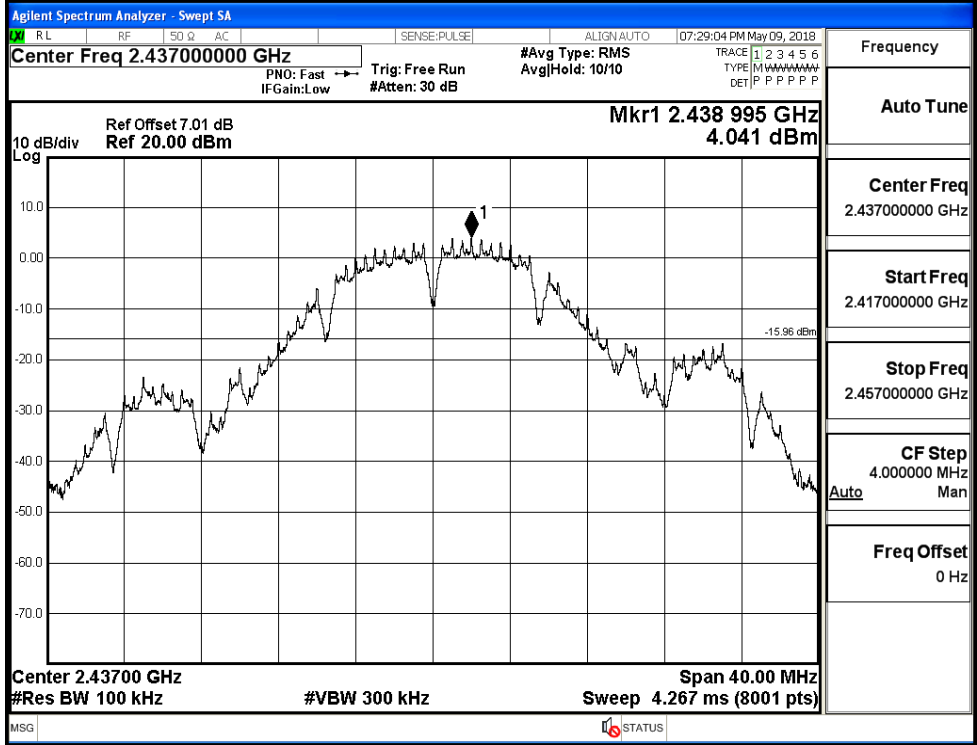


Puw/11B/LCH

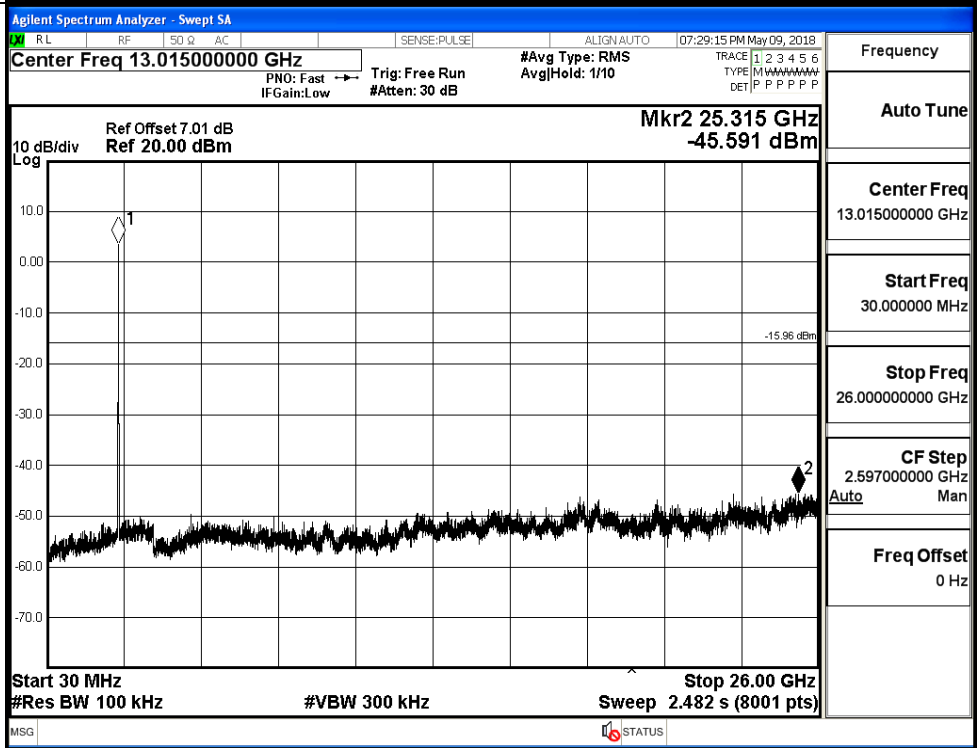


11B_MCH_Test Graphs_Ant1

Pref/11B/MCH

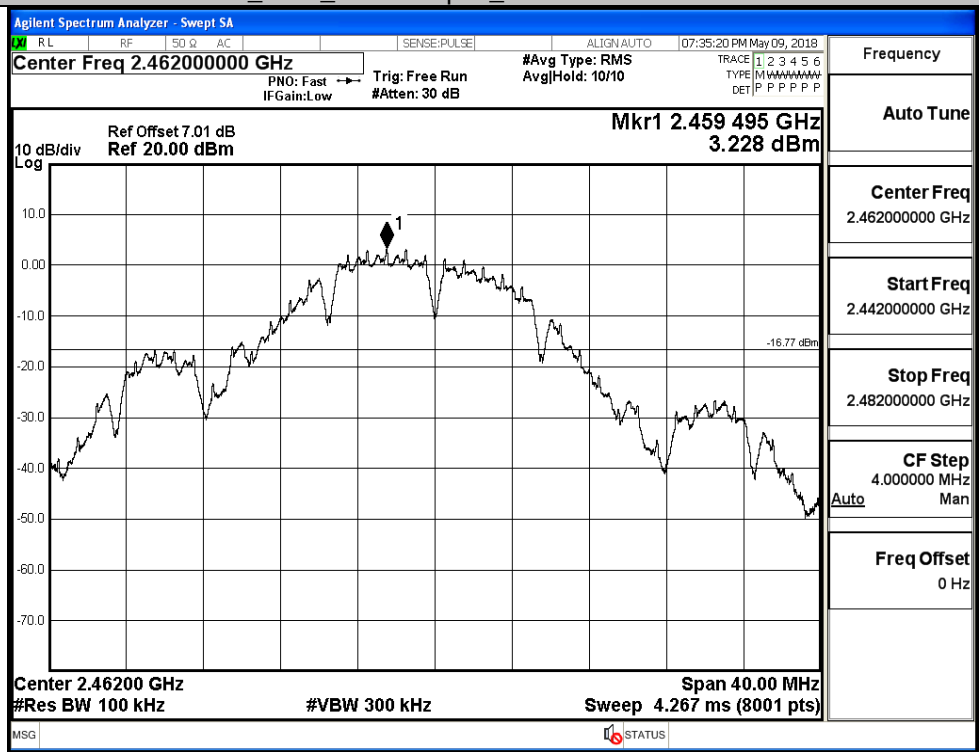


Puw/11B/MCH

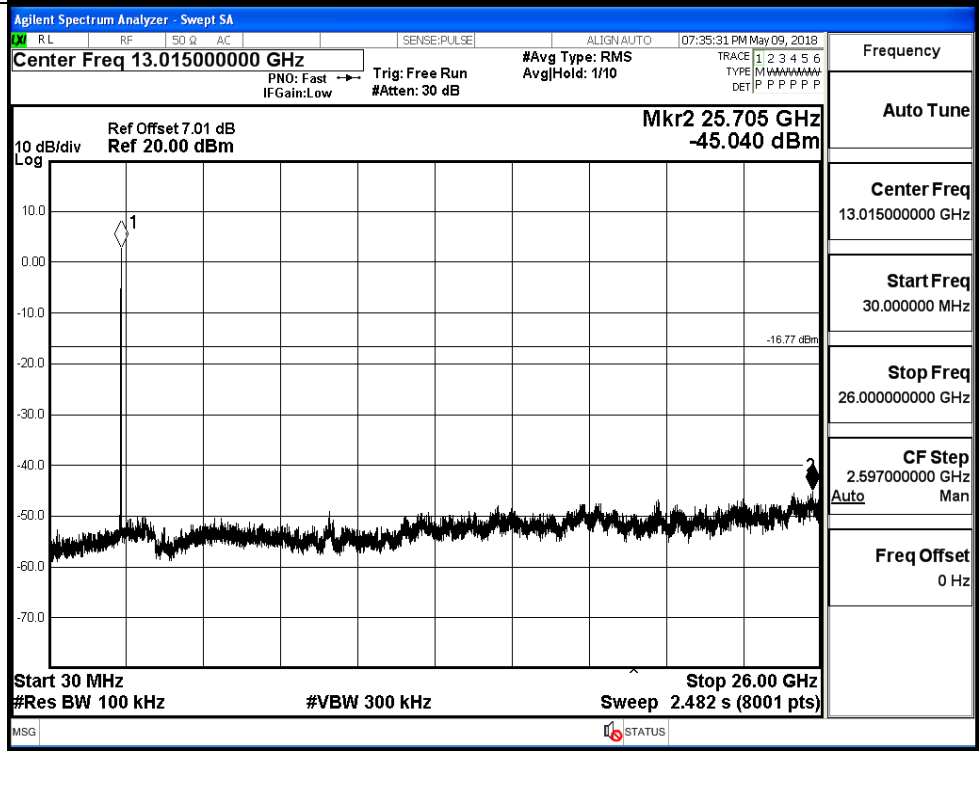


11B_HCH_Test Graphs_Ant1

Pref/11B/HCH

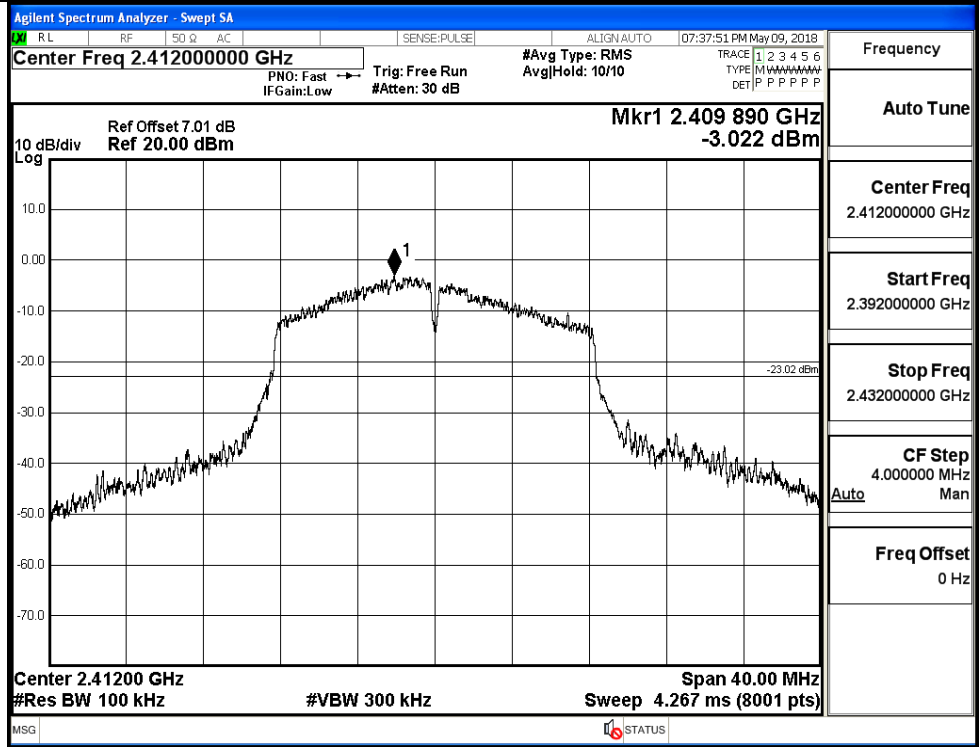


Puw/11B/HCH

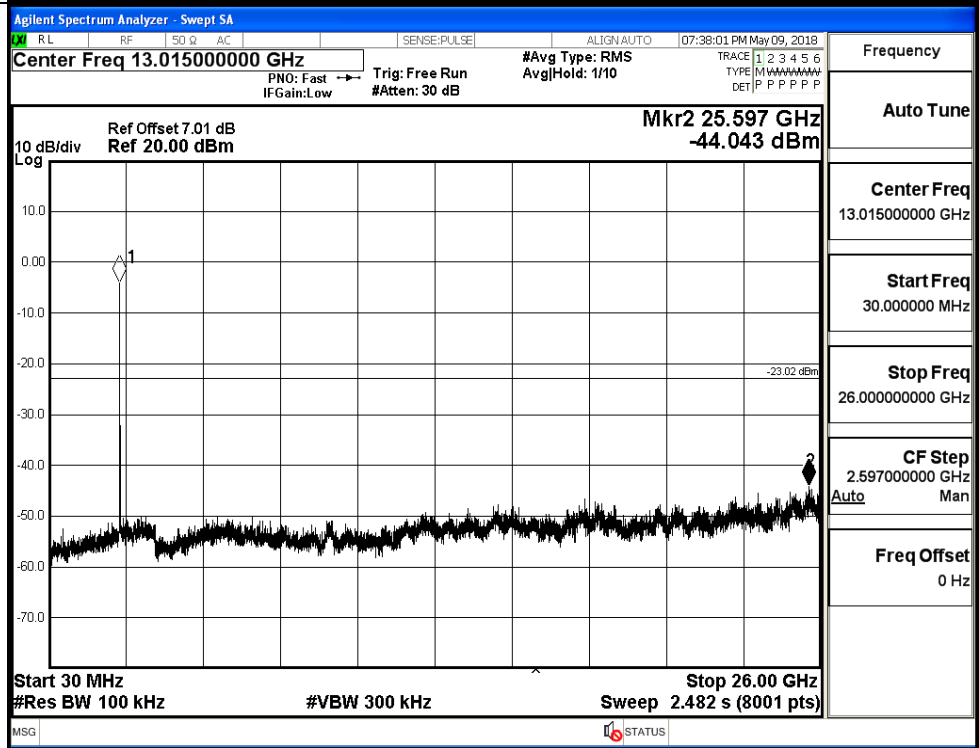


11G_LCH_Test Graphs_Ant1

Pref/11G/LCH

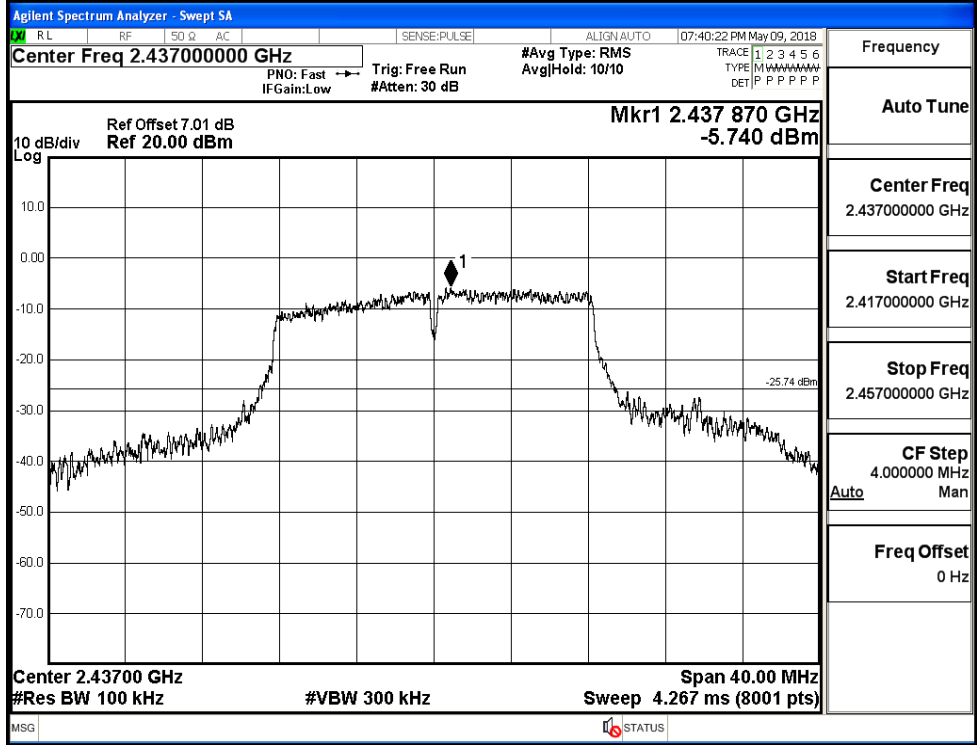


Puw/11G/LCH

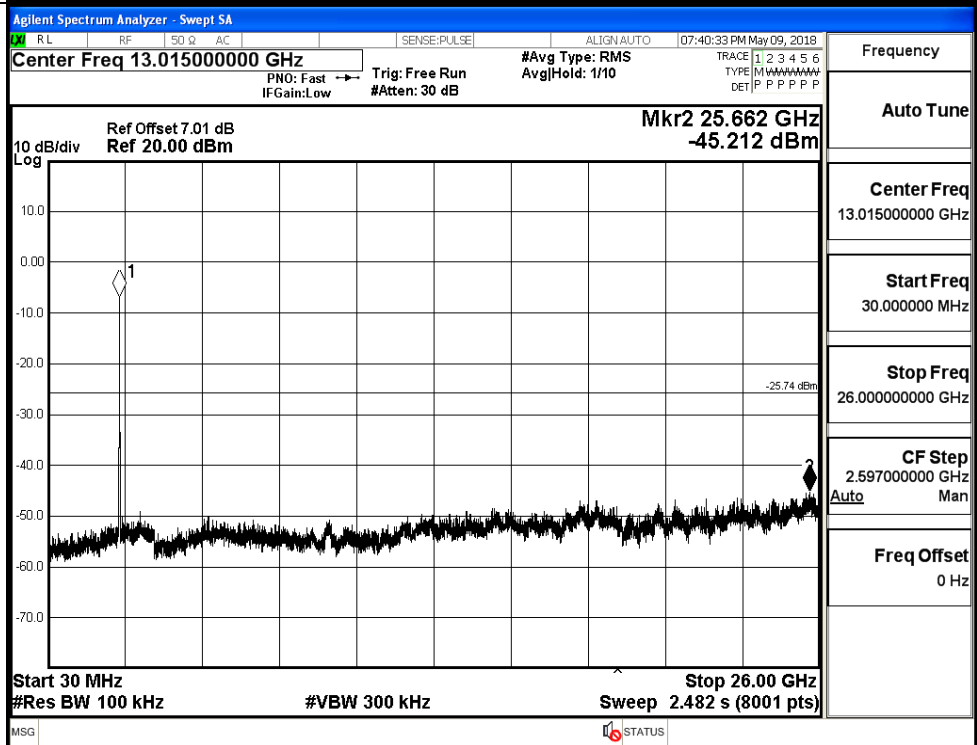


11G_MCH_Test Graphs_Ant1

Pref/11G/MCH

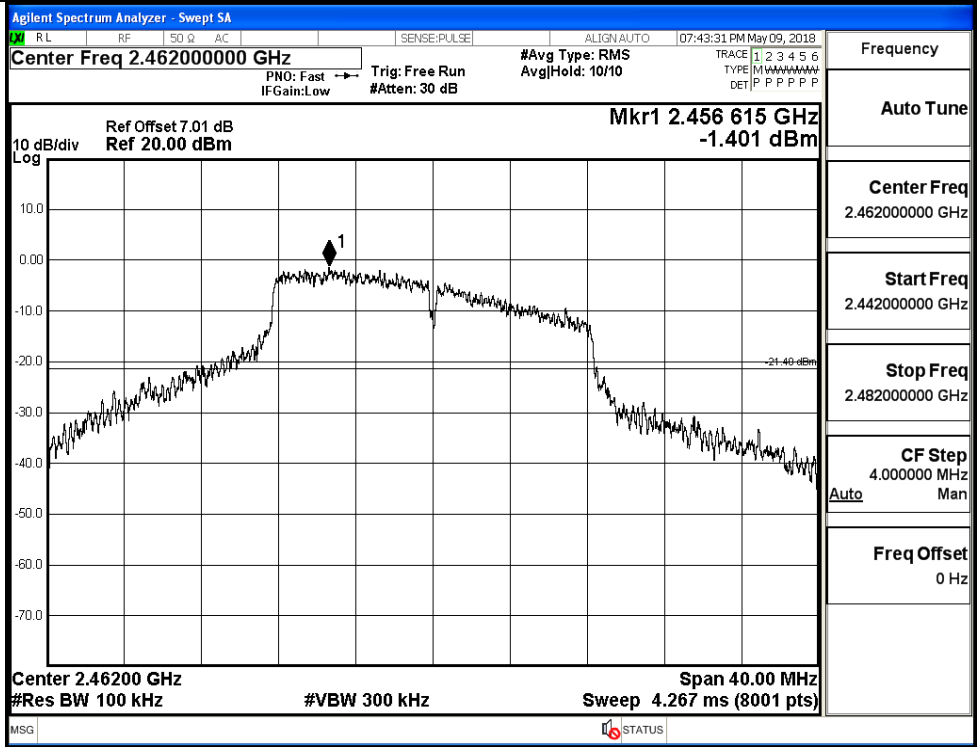


Puw/11G/MCH

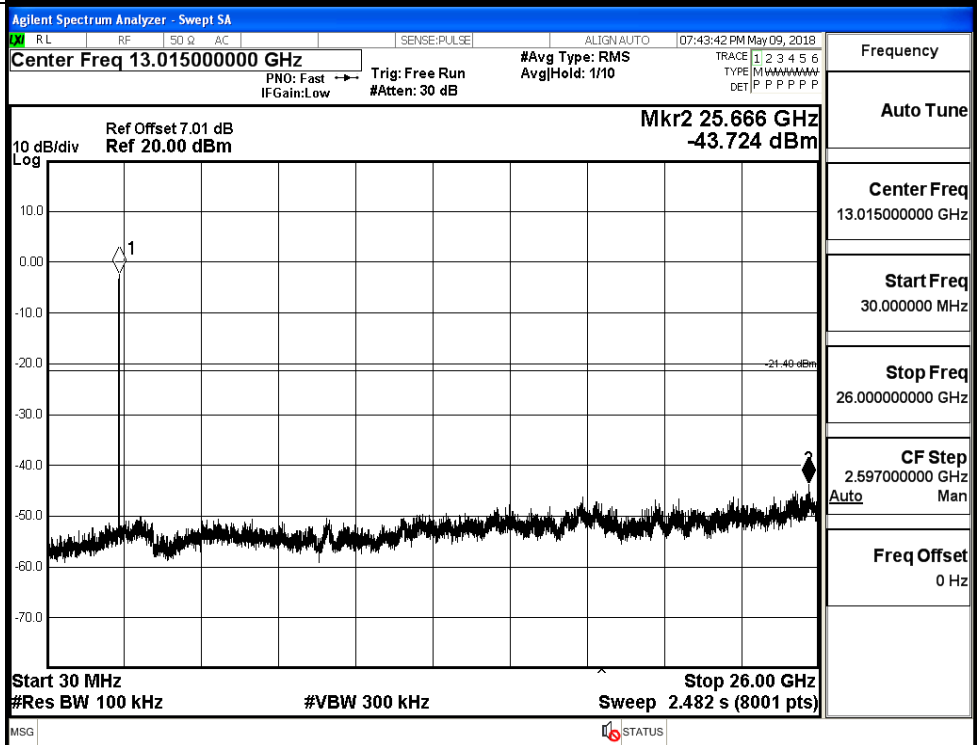


11G_HCH_Test Graphs_Ant1

Pref/11G/HCH

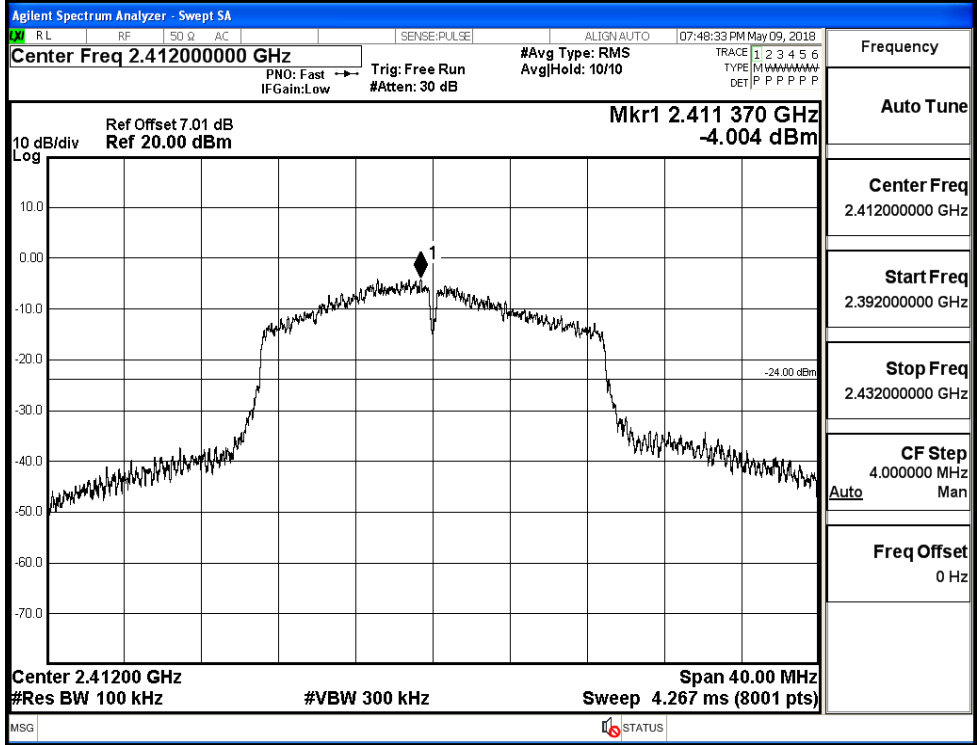


Puw/11G/HCH

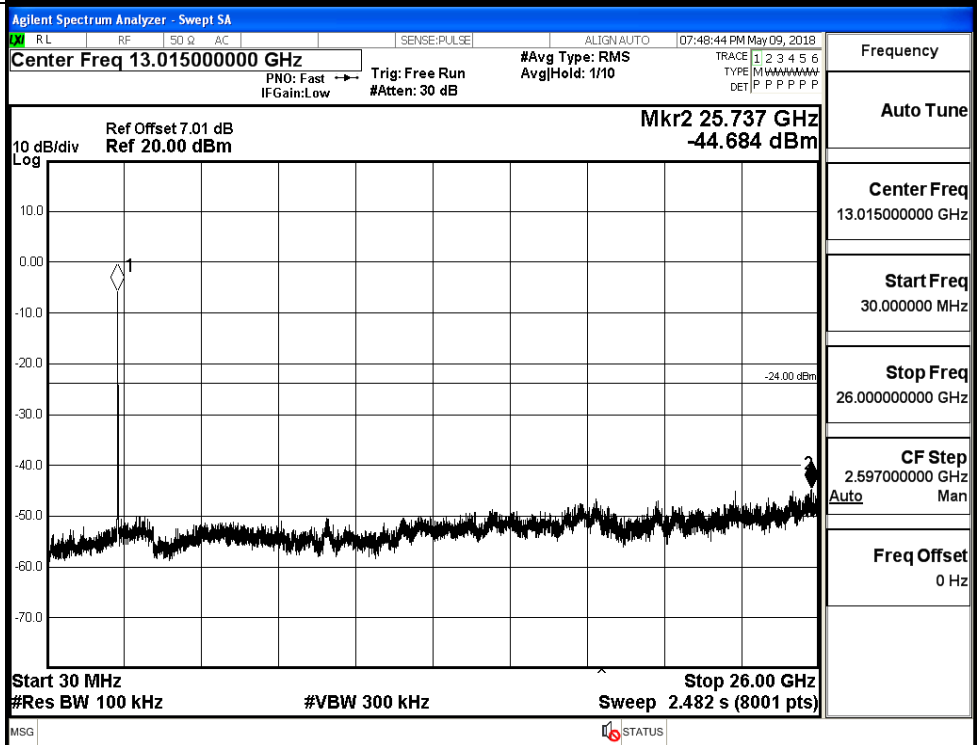


11N20SISO_LCH_Test Graphs_Ant1

Pref/11N20SIS
O/LCH

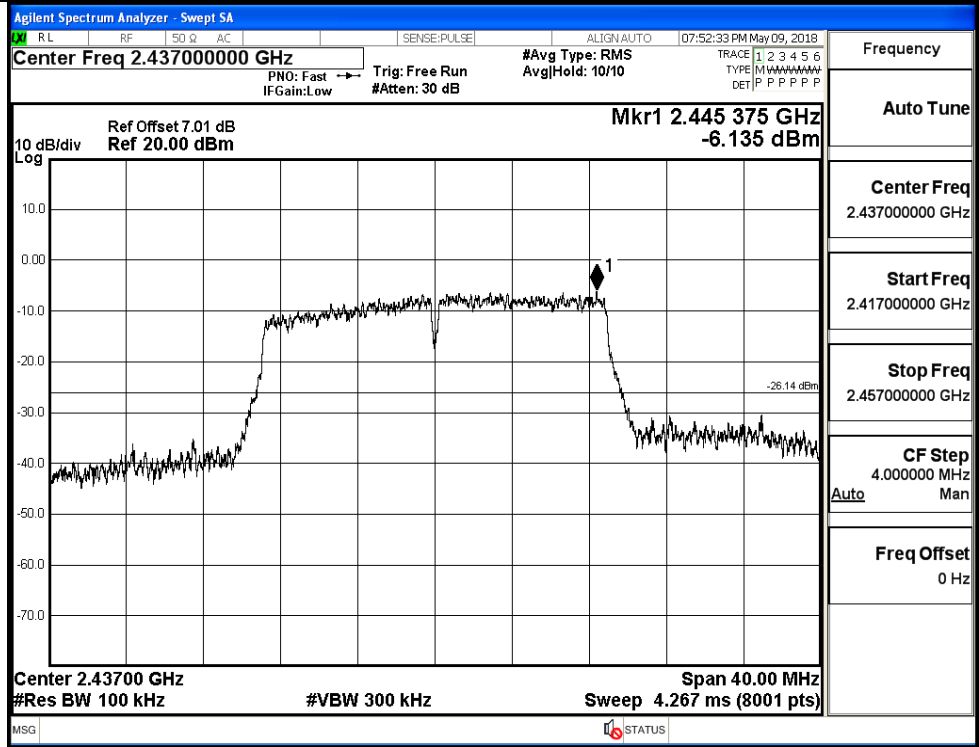


Puw/11N20
SISO/LCH

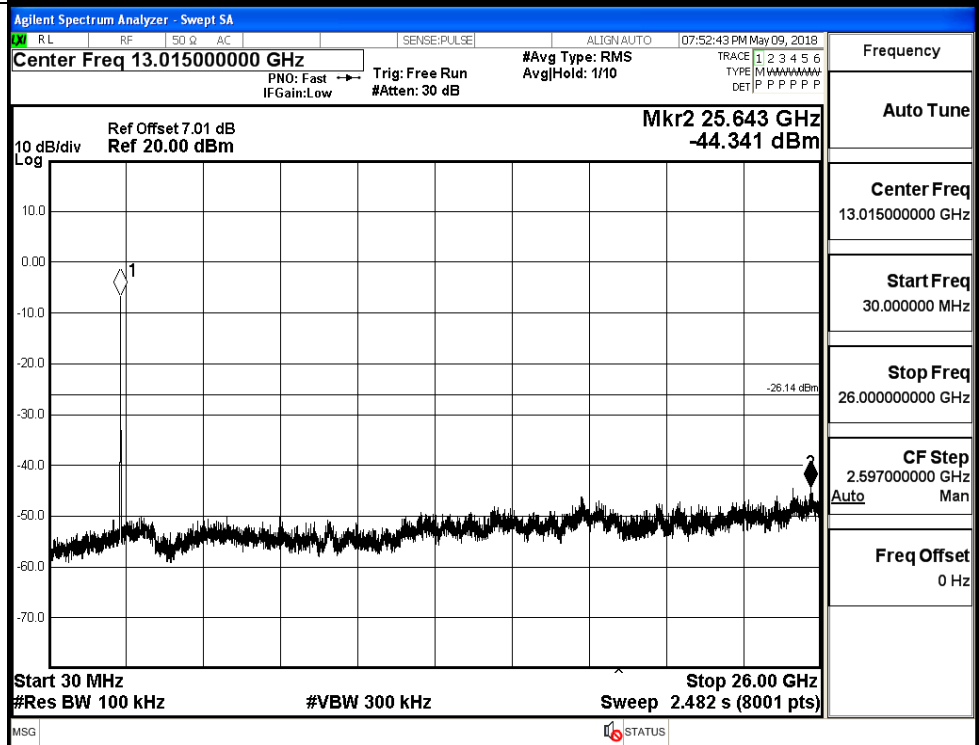


11N20SISO_MCH_Test Graphs_Ant1

Pref/11N20
SISO/MCH

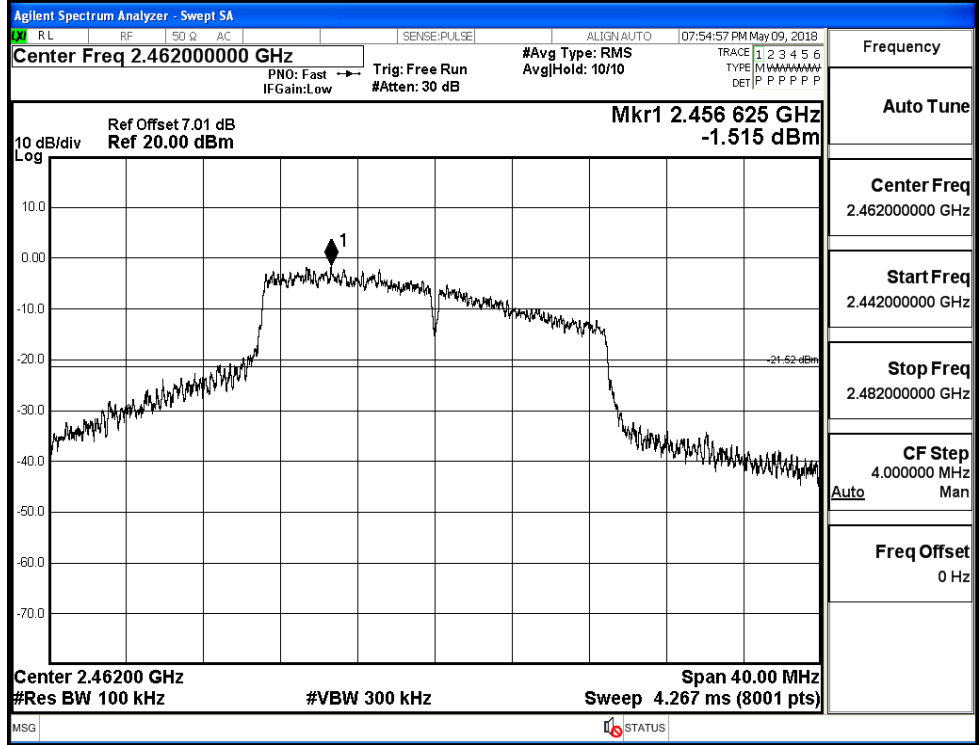


Puw/11N20
SISO/MCH

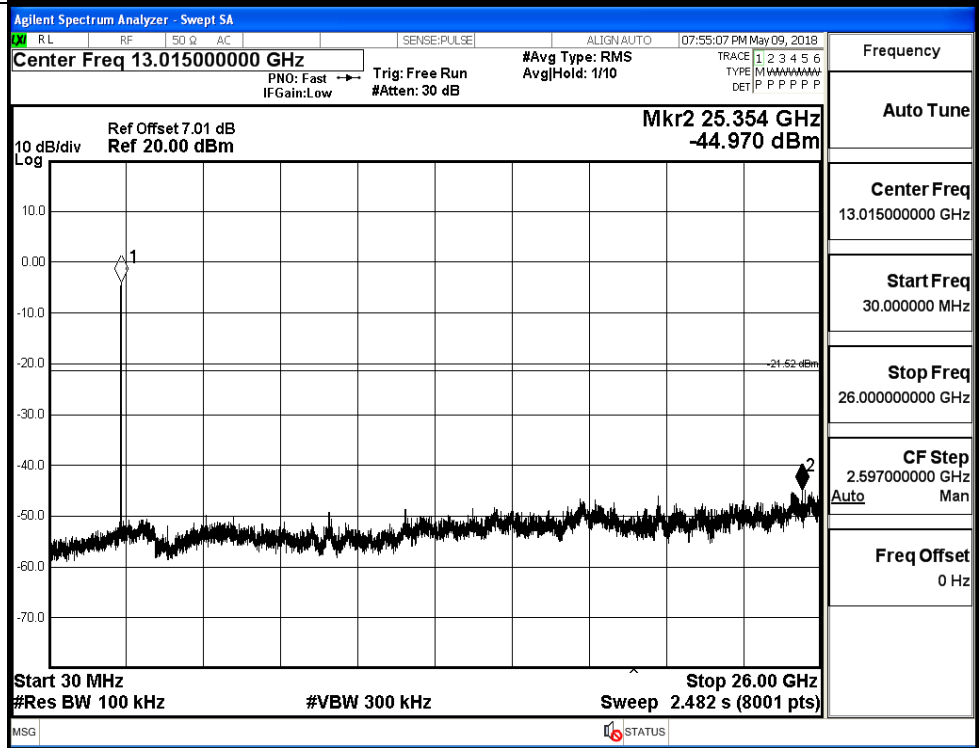


11N20SISO_HCH_Test Graphs_Ant1

Pref/11N20
SISO/HCH

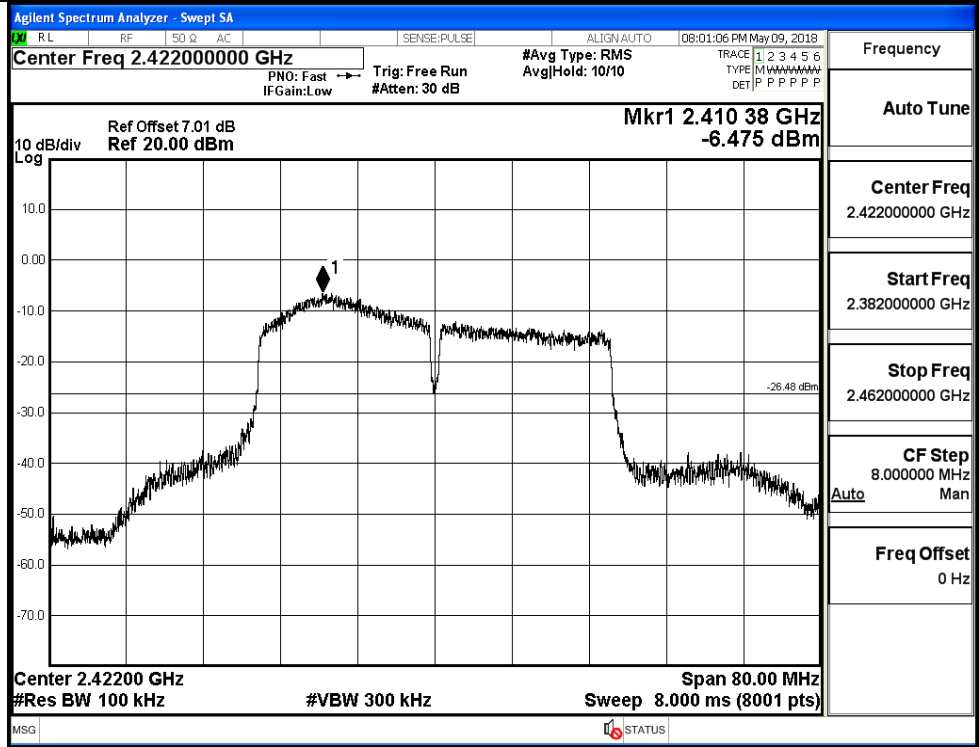


Puw/11N20
SISO/HCH



11N40SISO_LCH_Test Graphs_Ant1

Pref/11N40
SISO/LCH



Puw/11N40
SISO/LCH

