

Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: WIRELESS CAMERA/IPC CAMERA

Trade Mark: /

Test Model: Sky 30W

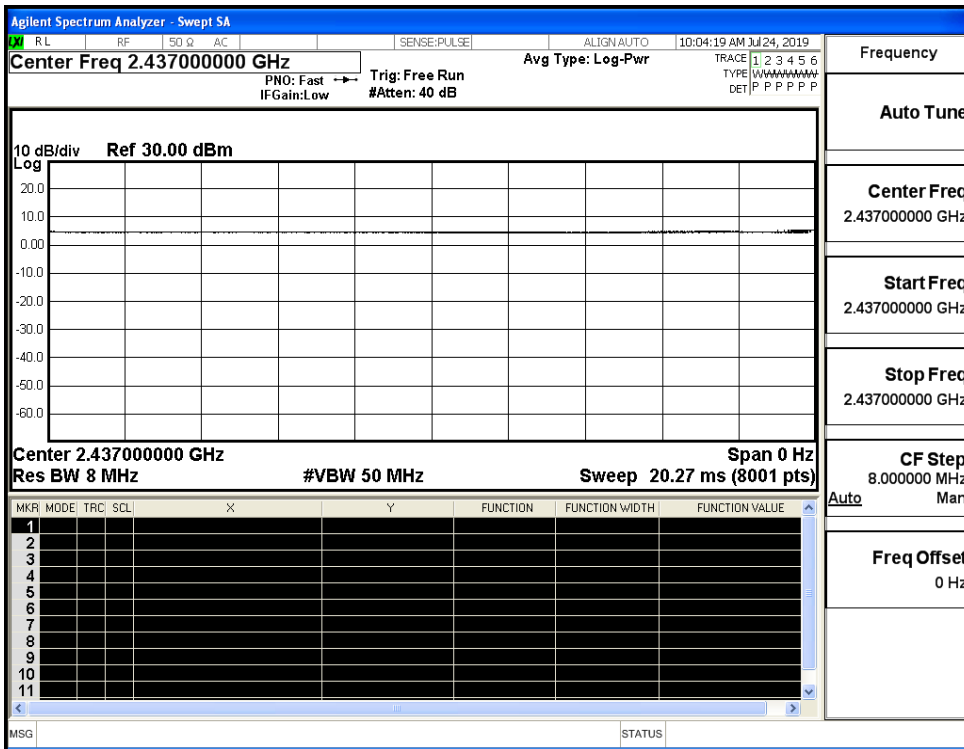
Environmental Conditions

Temperature:	24.3° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	JERRY.ZENG
Supervised by:	Wang.Chuang

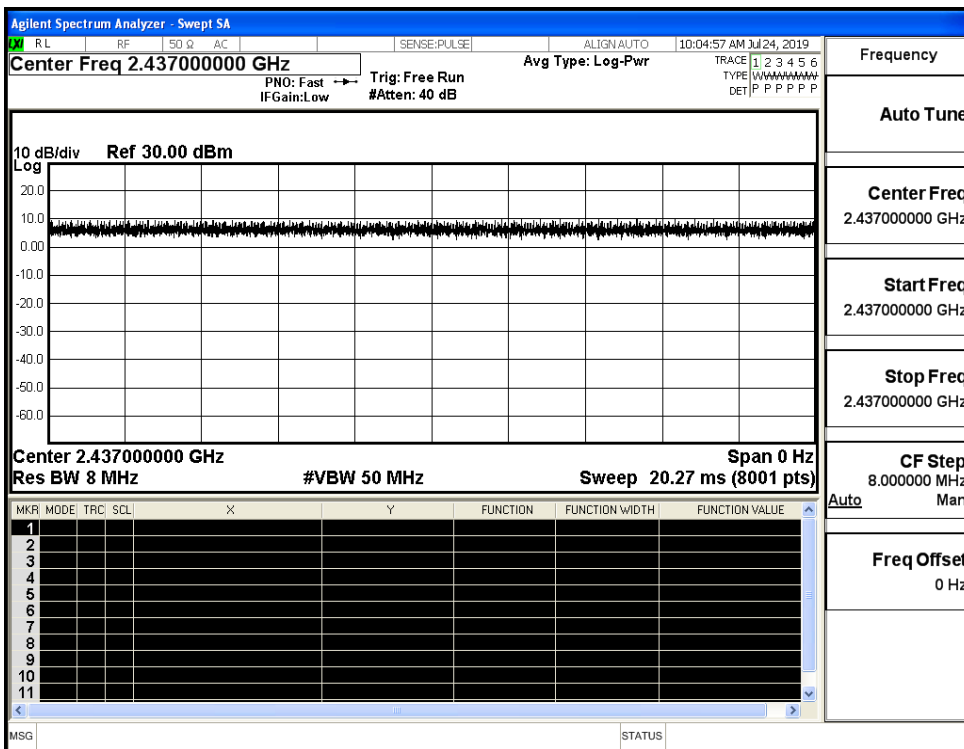
C.1 Duty Cycle

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

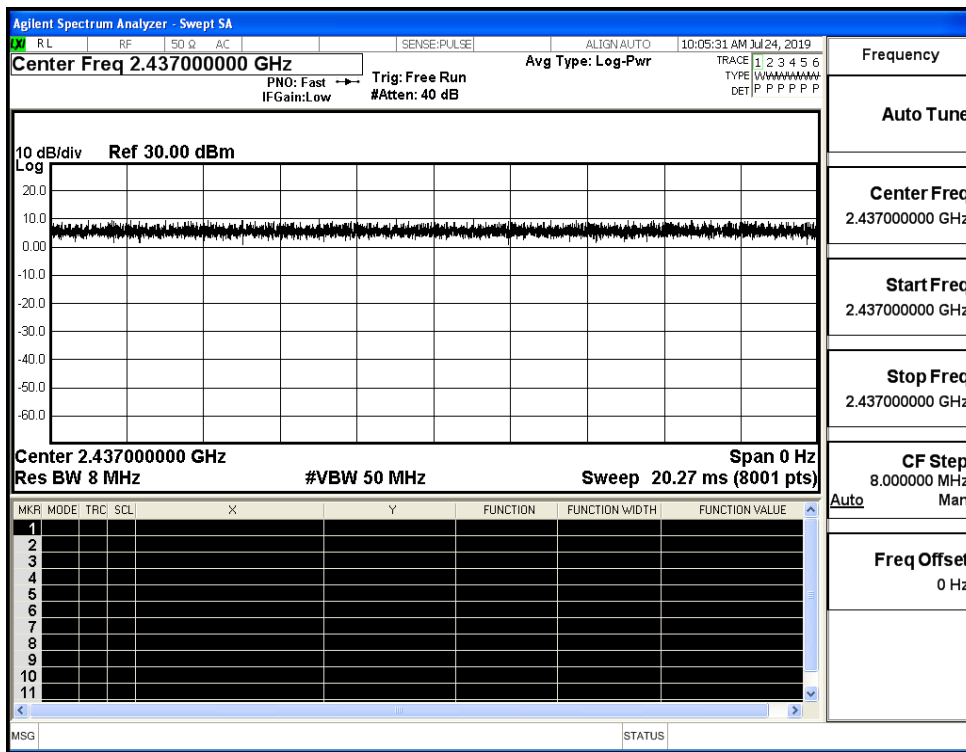
Duty Cycle_11B_2437_Ant1



Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1

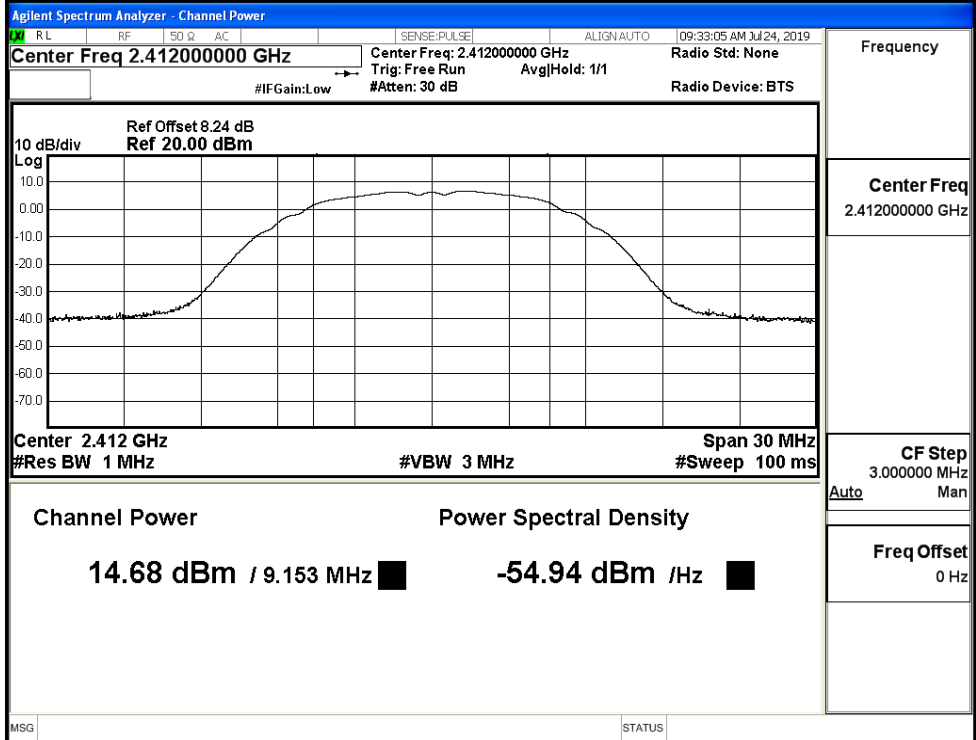


C.2 Maximum Conducted Output Power

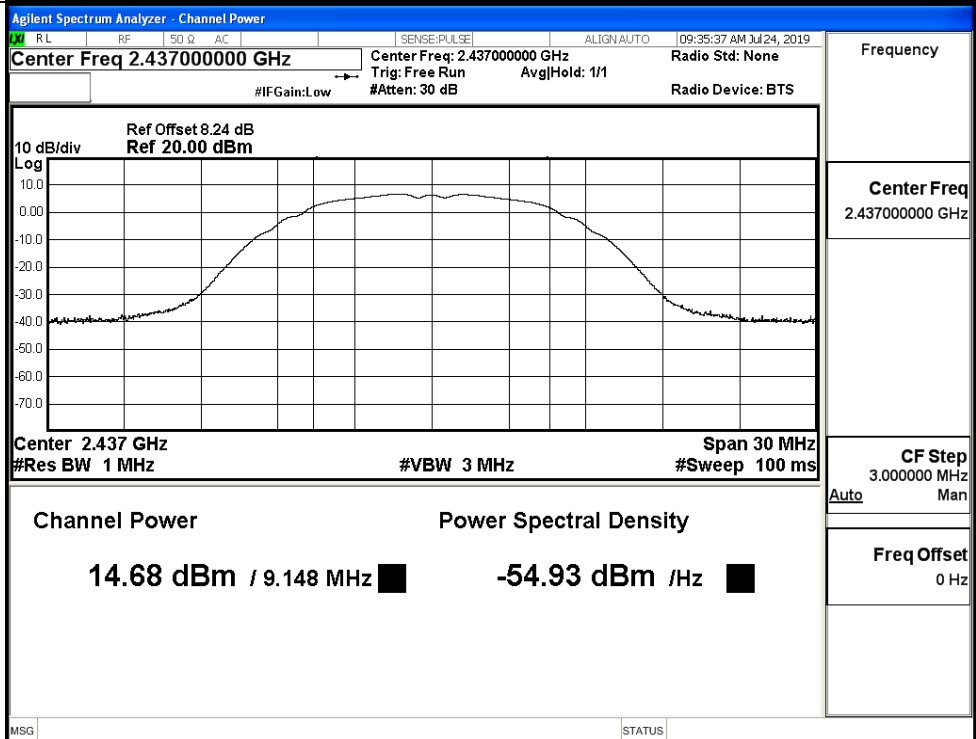
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	14.68	30	PASS
	MCH	14.68	30	PASS
	HCH	15.46	30	PASS
11G	LCH	15.9	30	PASS
	MCH	15.21	30	PASS
	HCH	14.85	30	PASS
11N20SISO	LCH	15.42	30	PASS
	MCH	15.15	30	PASS
	HCH	15.03	30	PASS

Test Graphs

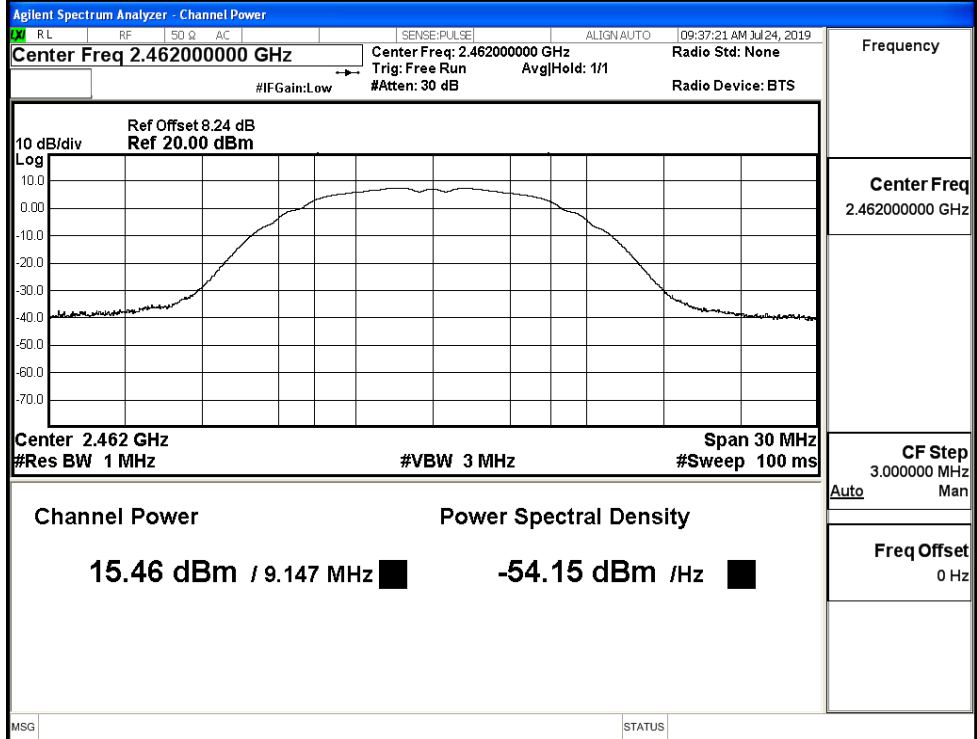
11B/LCH



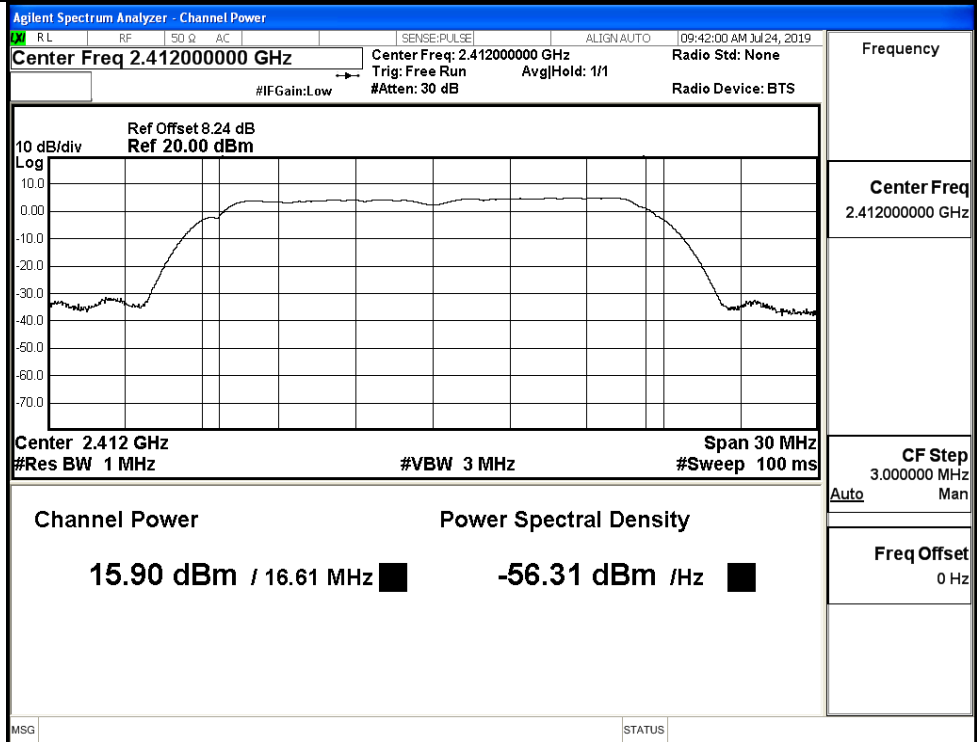
11B/MCH



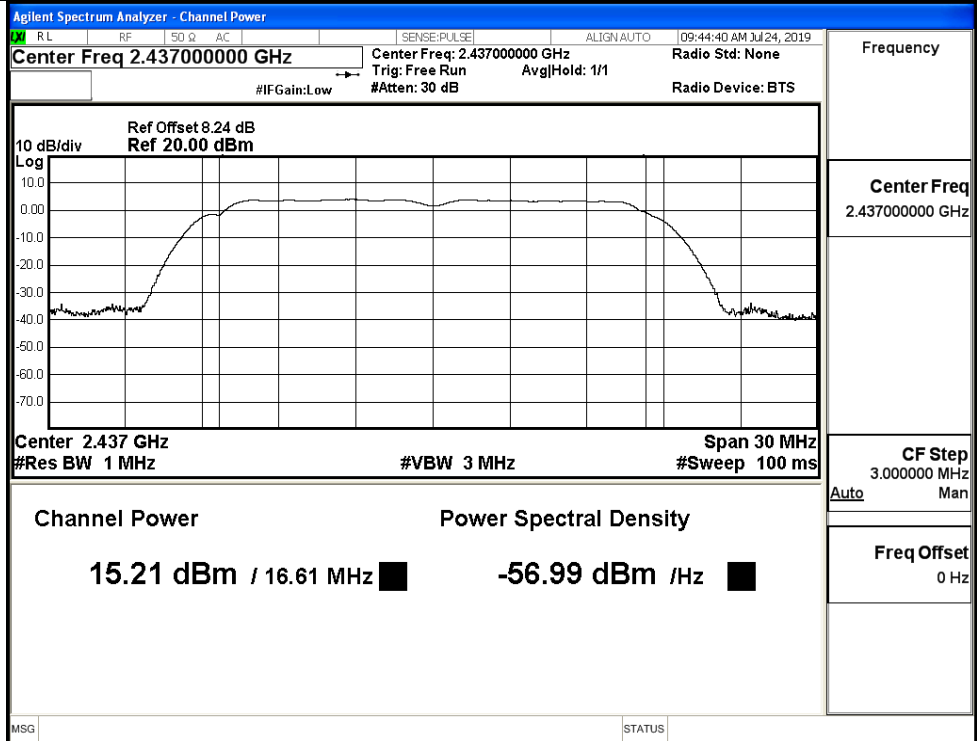
11B/HCH



11G/LCH

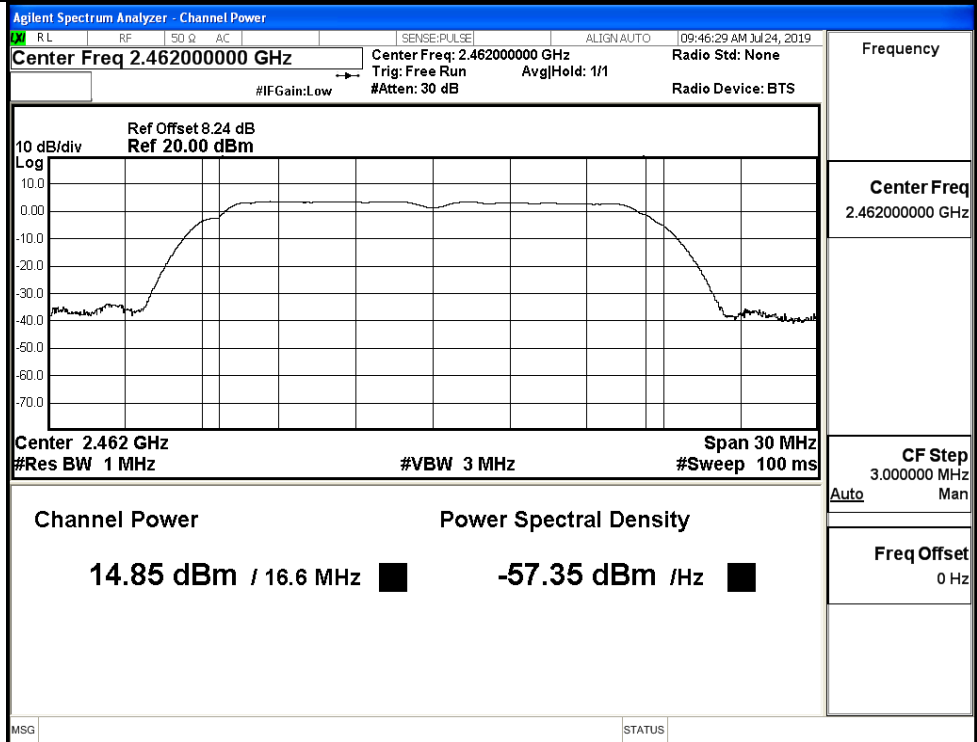


11G/MCH



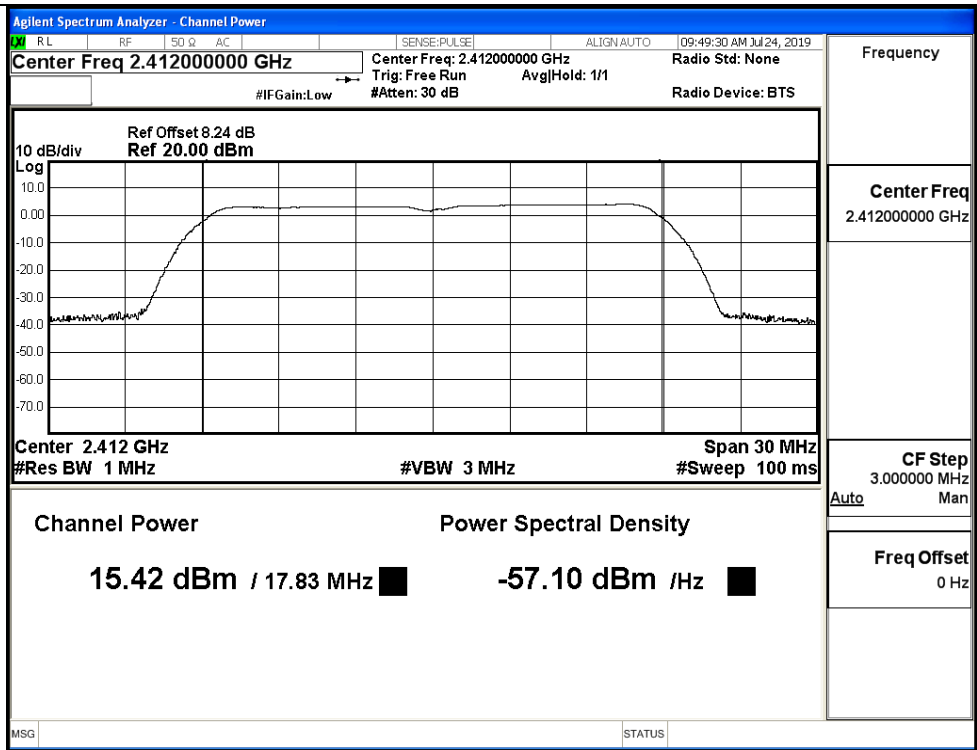
Frequency	2.43700000 GHz
Center Freq	2.43700000 GHz
CF Step	3.000000 MHz Auto Man
Freq Offset	0 Hz

11G/HCH

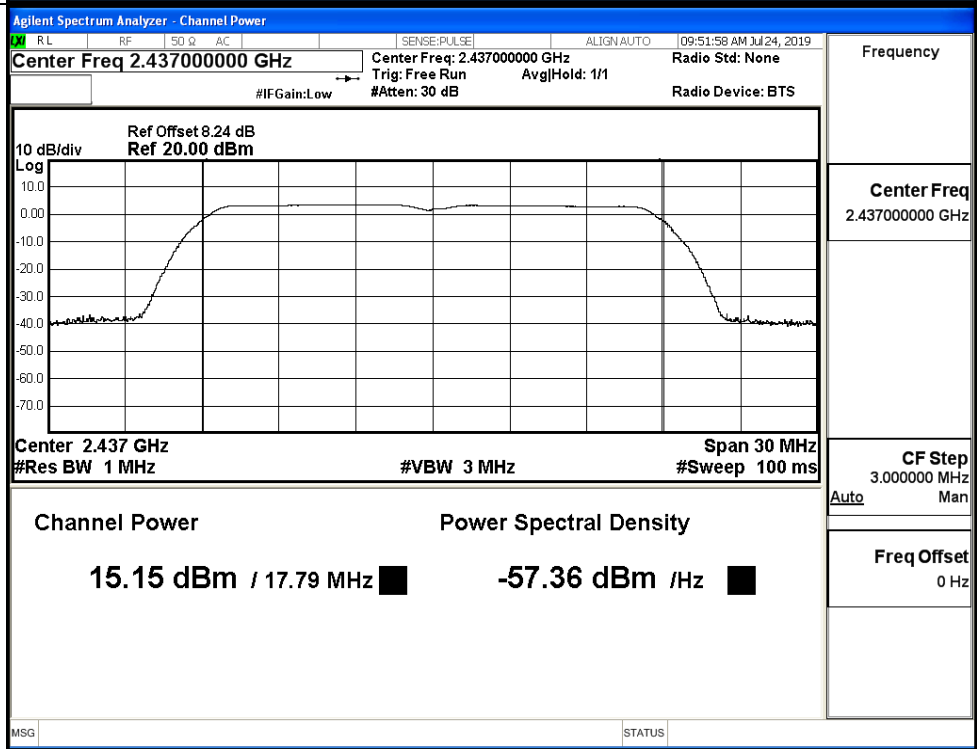


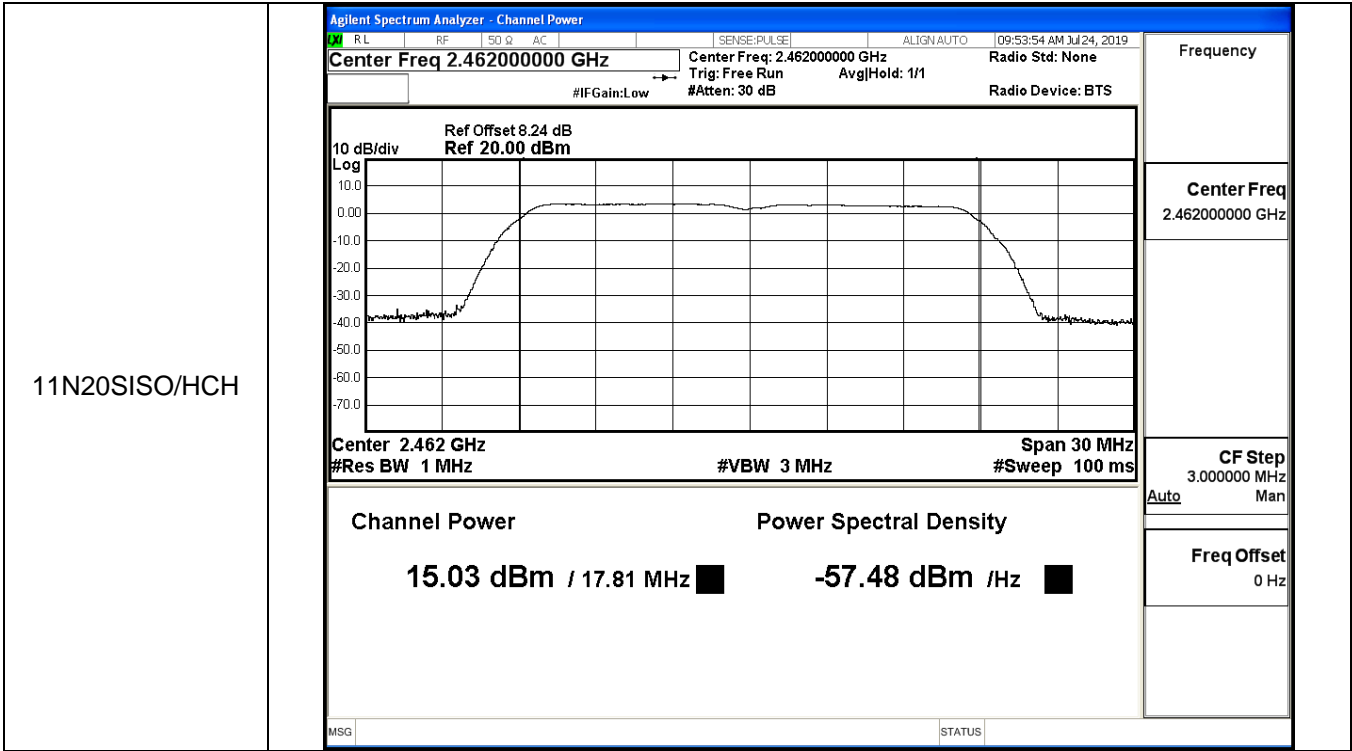
Frequency	2.46200000 GHz
Center Freq	2.46200000 GHz
CF Step	3.000000 MHz Auto Man
Freq Offset	0 Hz

11N20SISO/LCH



11N20SISO/MCH

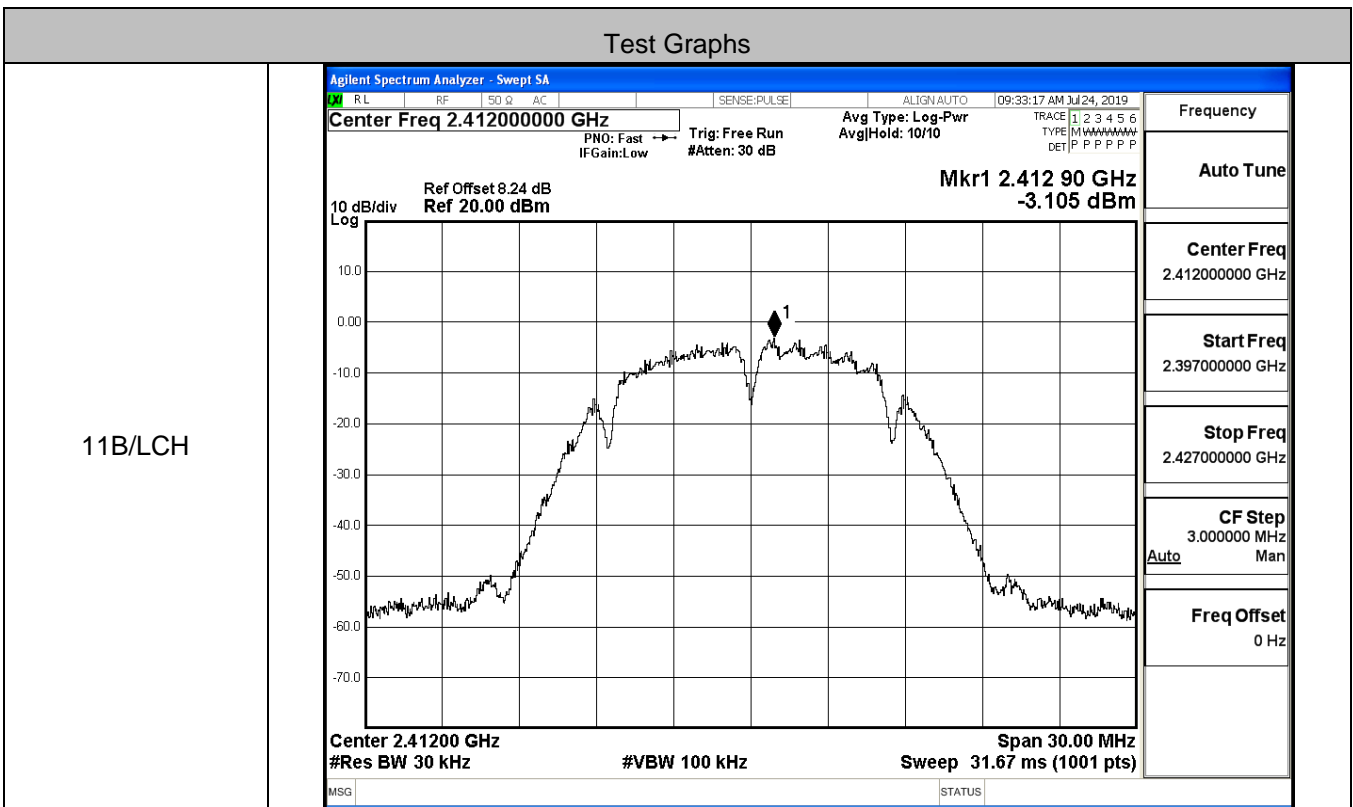




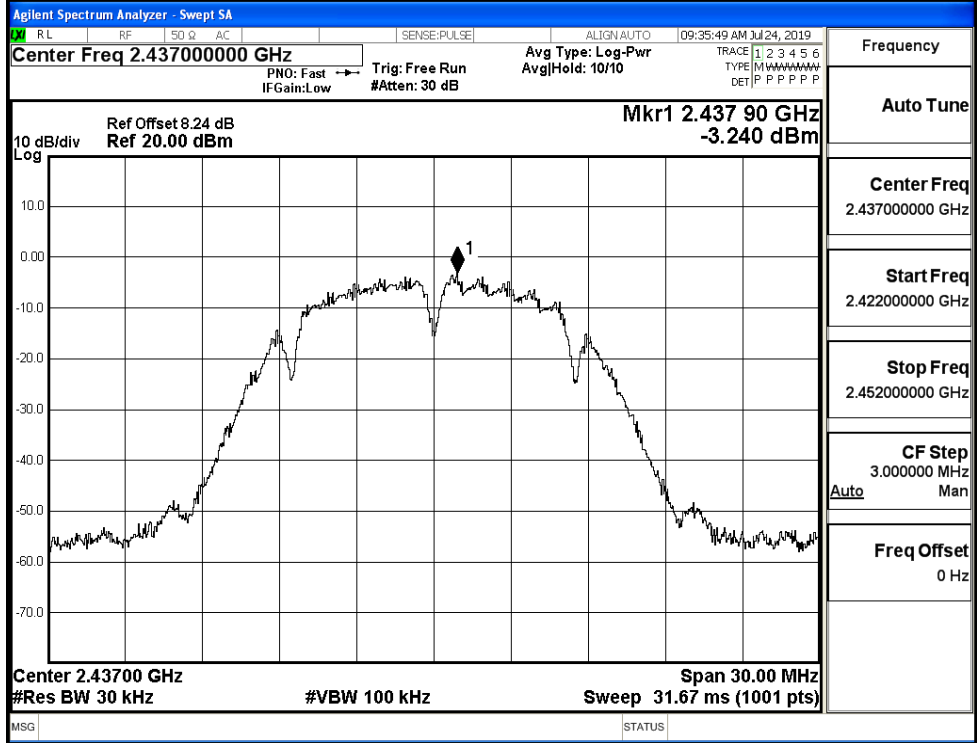
C.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-3.105	8	PASS
	MCH	-3.240	8	PASS
	HCH	-2.454	8	PASS
11G	LCH	-8.653	8	PASS
	MCH	-9.637	8	PASS
	HCH	-9.686	8	PASS
11N20SISO	LCH	-9.223	8	PASS
	MCH	-9.376	8	PASS
	HCH	-9.651	8	PASS

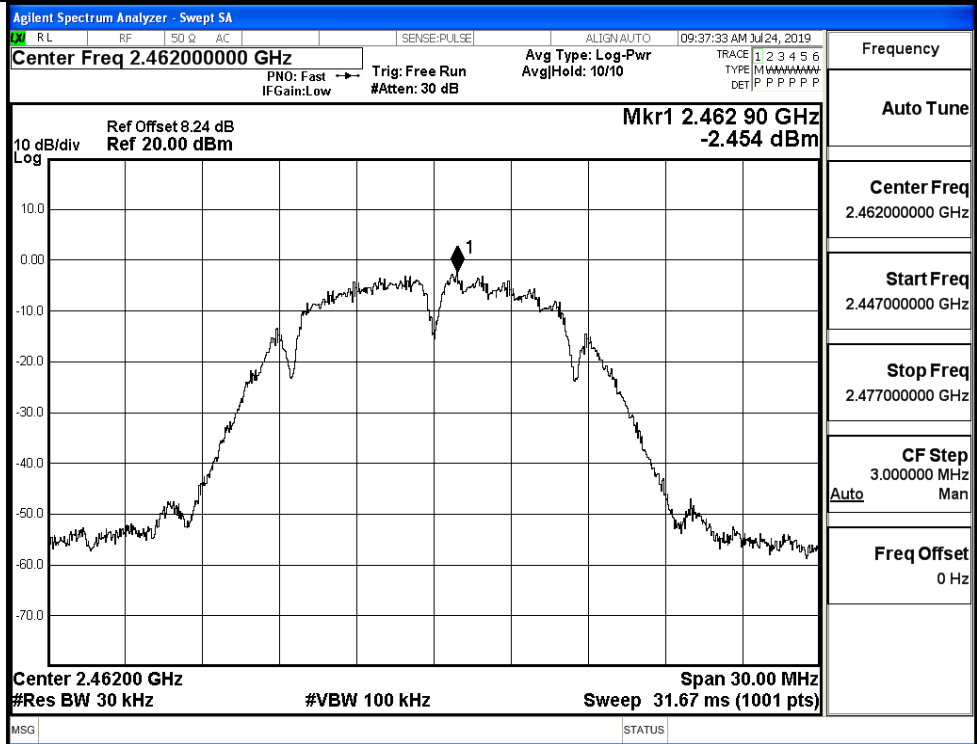
Test Graphs



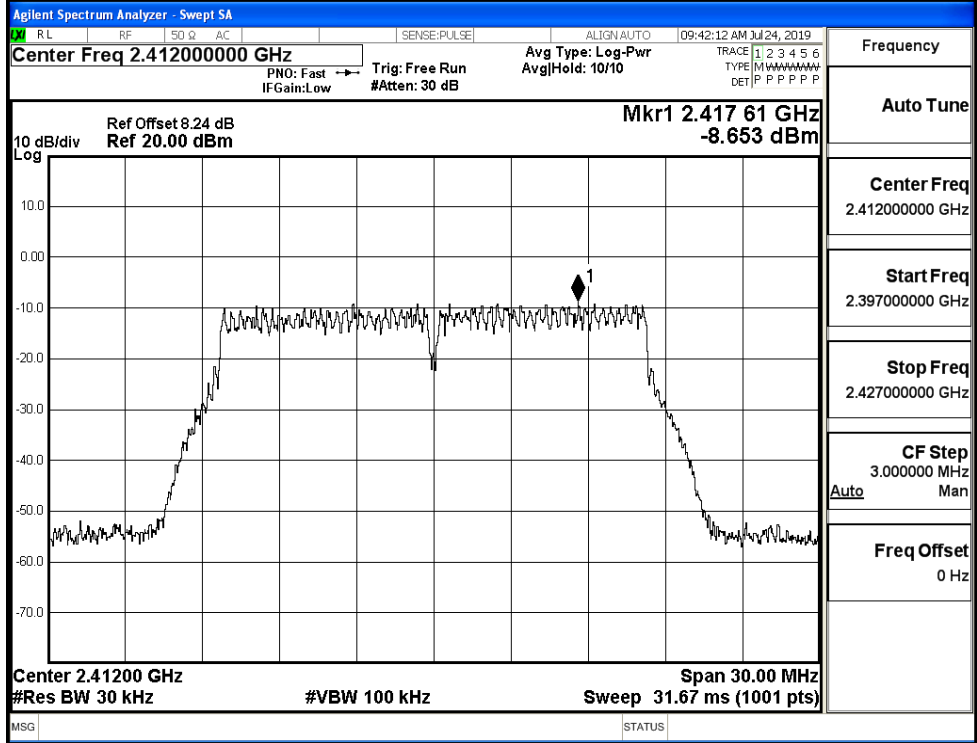
11B/MCH



11B/HCH

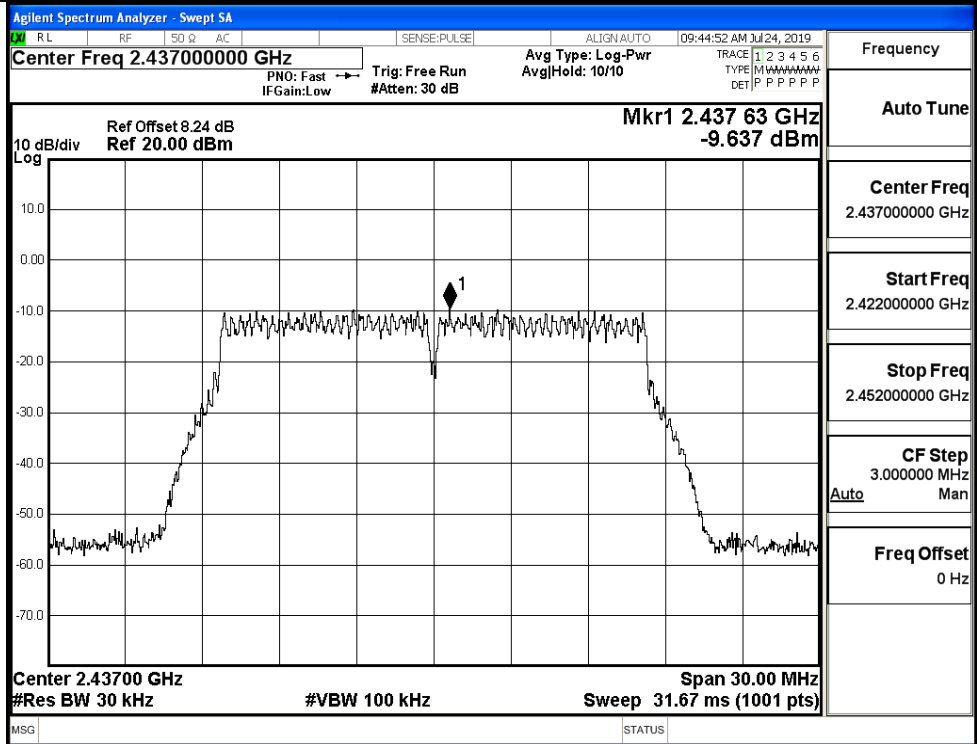


11G/LCH



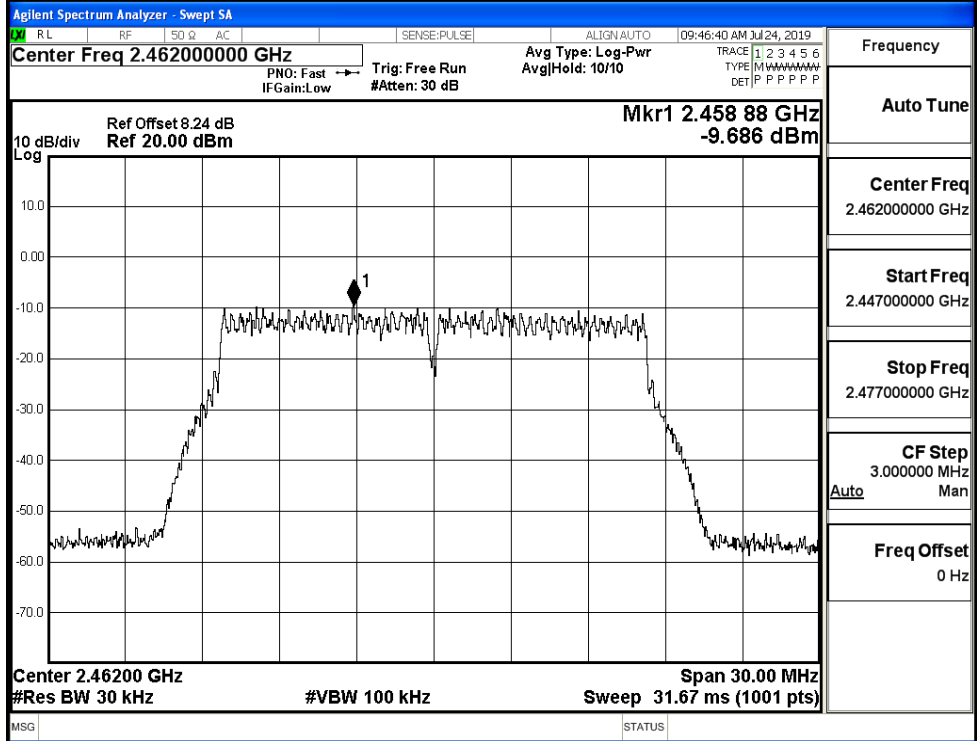
Frequency
Auto Tune
Center Freq 2.412000000 GHz
Start Freq 2.397000000 GHz
Stop Freq 2.427000000 GHz
CF Step 3.000000 MHz Auto Man
Freq Offset 0 Hz

11G/MCH



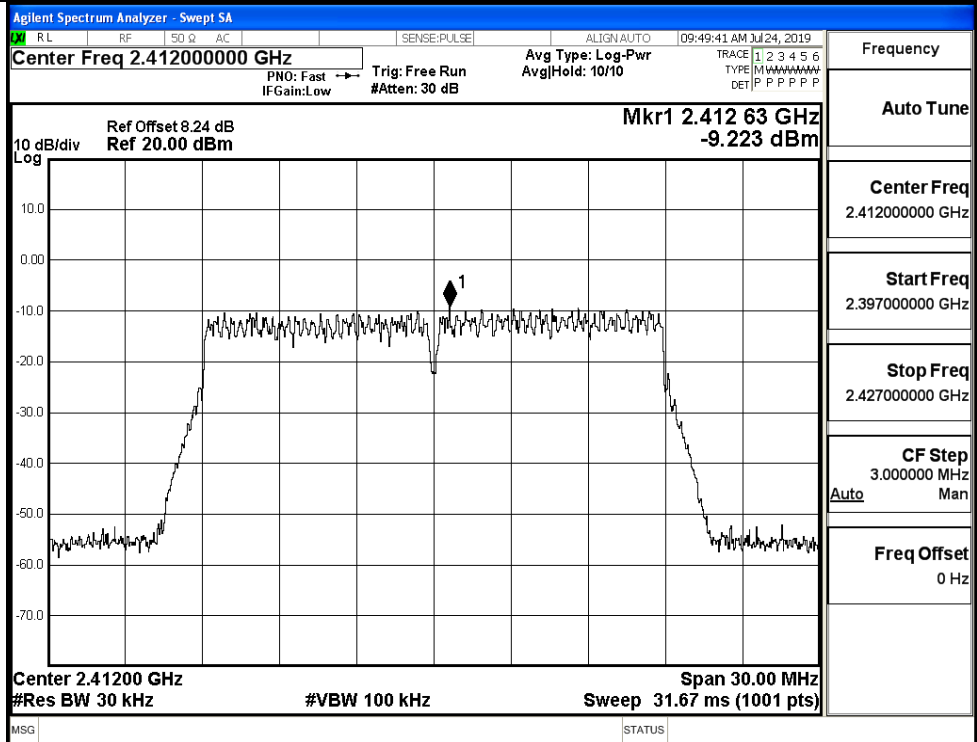
Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.422000000 GHz
Stop Freq 2.452000000 GHz
CF Step 3.000000 MHz Auto Man
Freq Offset 0 Hz

11G/HCH



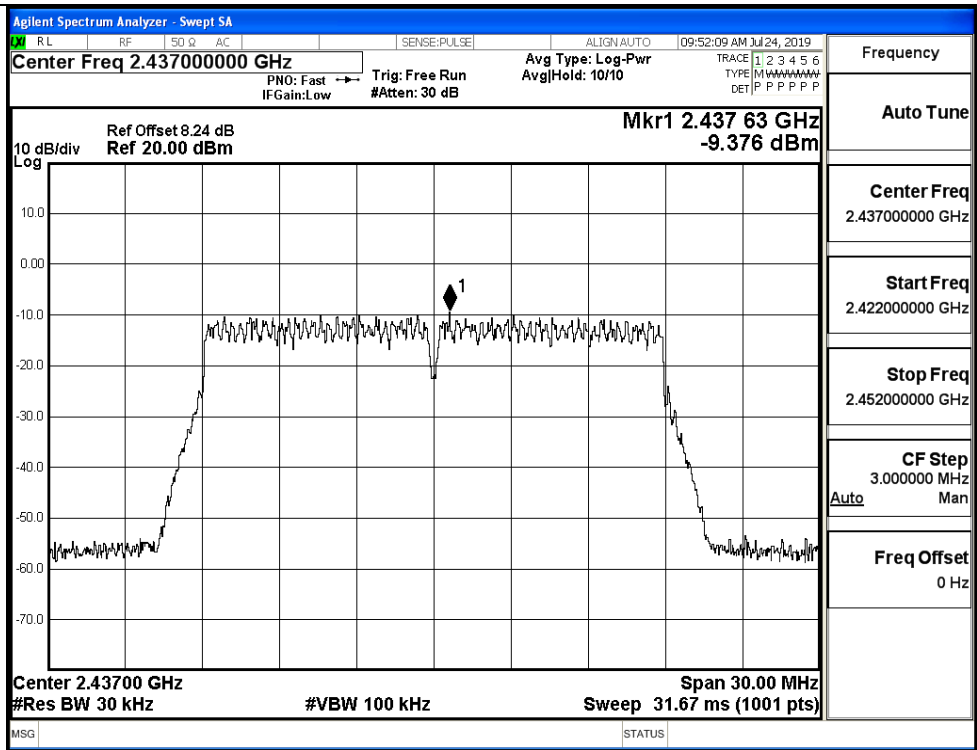
Frequency
Auto Tune
Center Freq 2.46200000 GHz
Start Freq 2.447000000 GHz
Stop Freq 2.477000000 GHz
CF Step 3.000000 MHz Auto Man
Freq Offset 0 Hz

11N20SISO/LCH

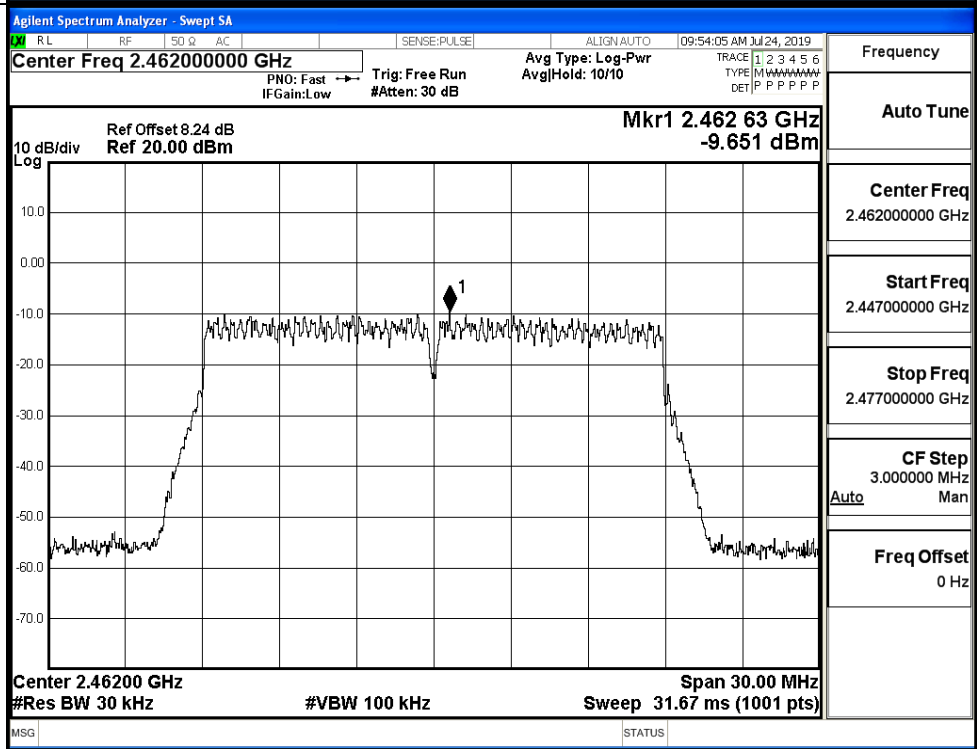


Frequency
Auto Tune
Center Freq 2.41200000 GHz
Start Freq 2.397000000 GHz
Stop Freq 2.427000000 GHz
CF Step 3.000000 MHz Auto Man
Freq Offset 0 Hz

11N20SISO/MCH

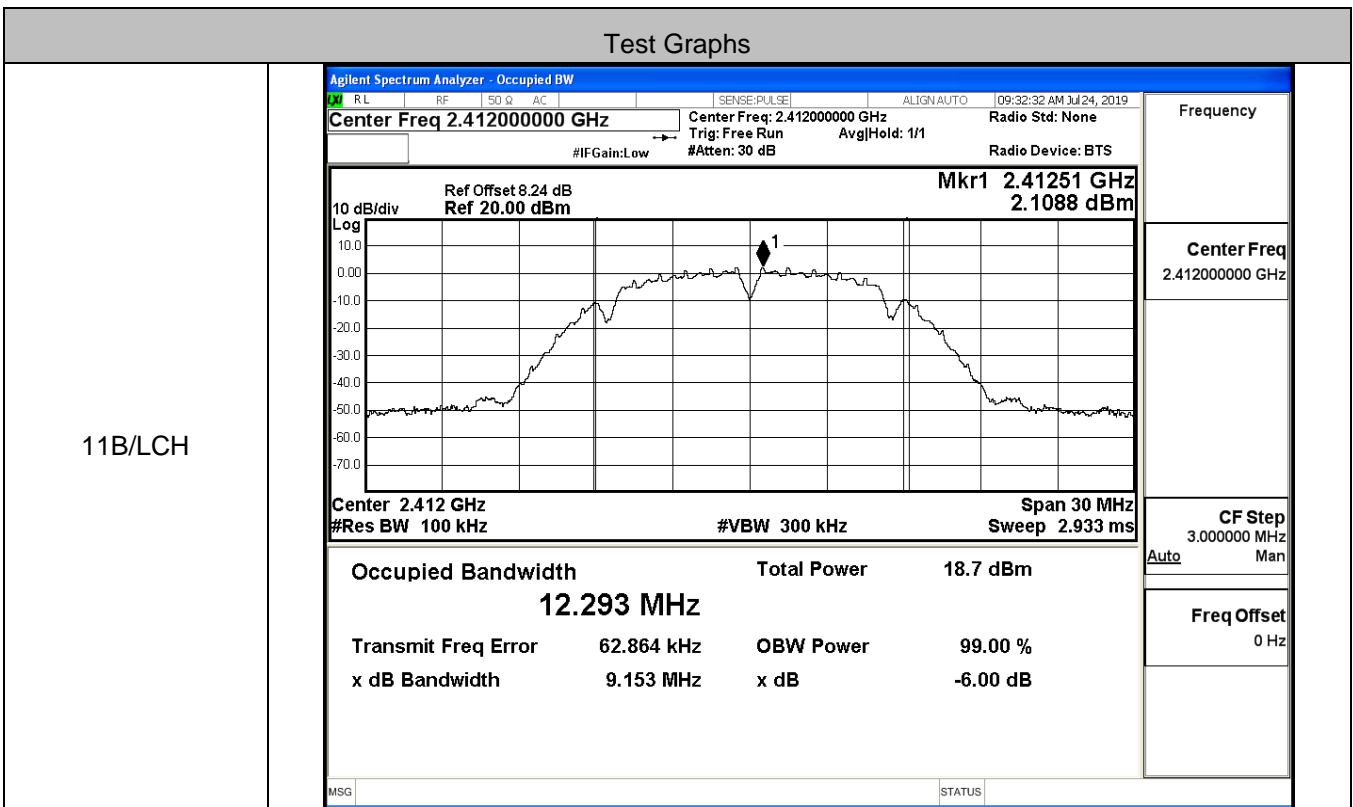


11N20SISO/HCH

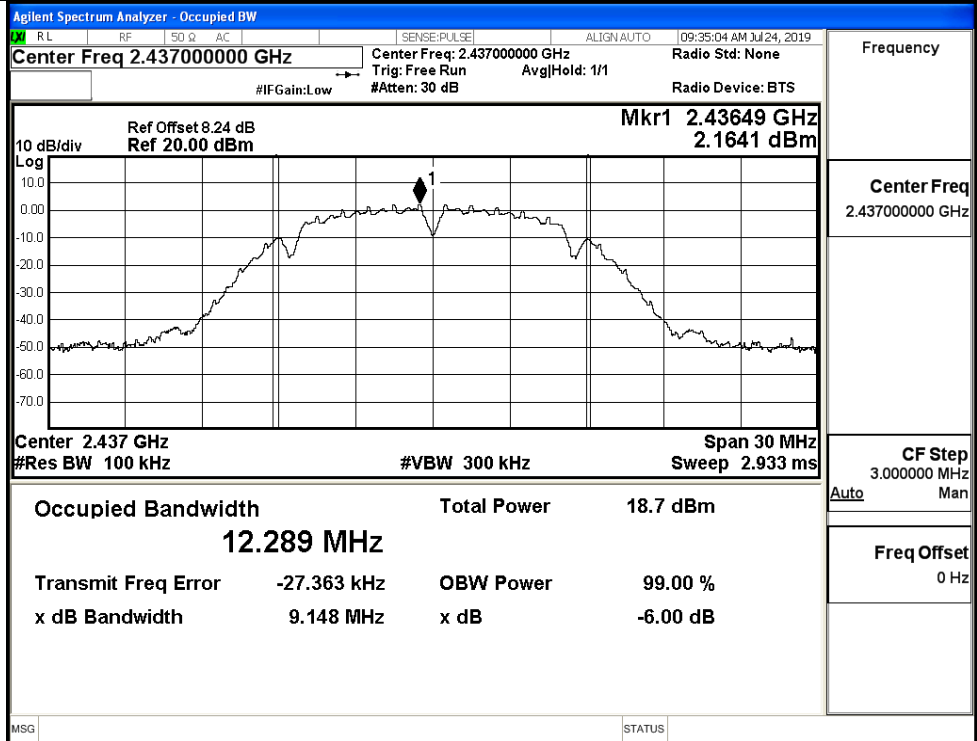


C.4 6dB Bandwidth

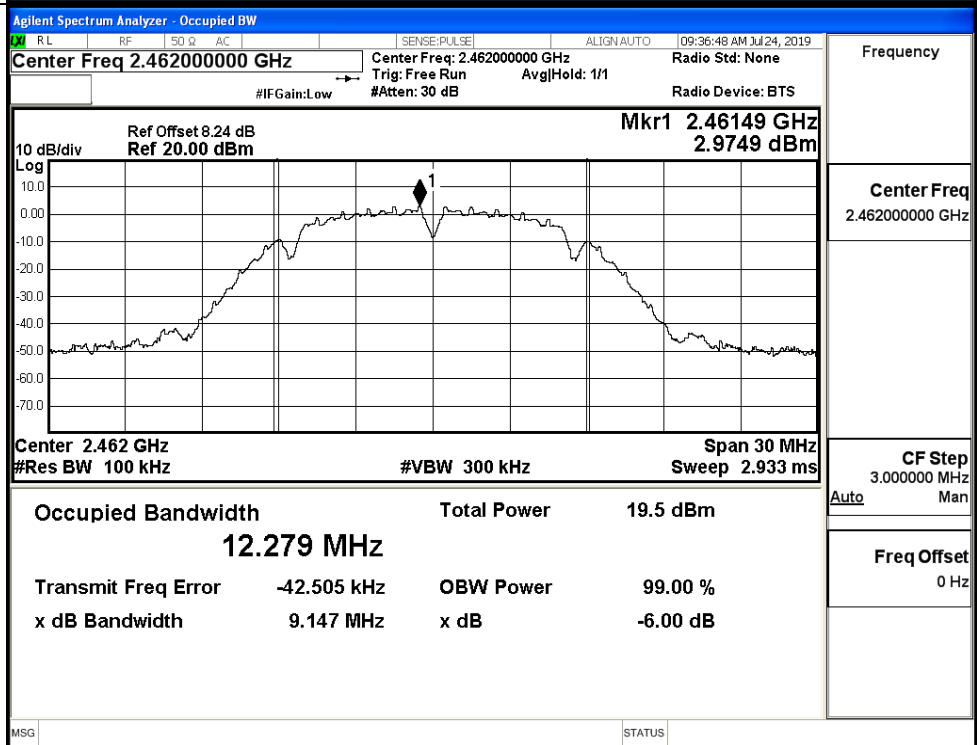
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.153	≥0.5	PASS
	MCH	9.148	≥0.5	PASS
	HCH	9.147	≥0.5	PASS
11G	LCH	16.61	≥0.5	PASS
	MCH	16.61	≥0.5	PASS
	HCH	16.60	≥0.5	PASS
11N20SISO	LCH	17.83	≥0.5	PASS
	MCH	17.79	≥0.5	PASS
	HCH	17.81	≥0.5	PASS



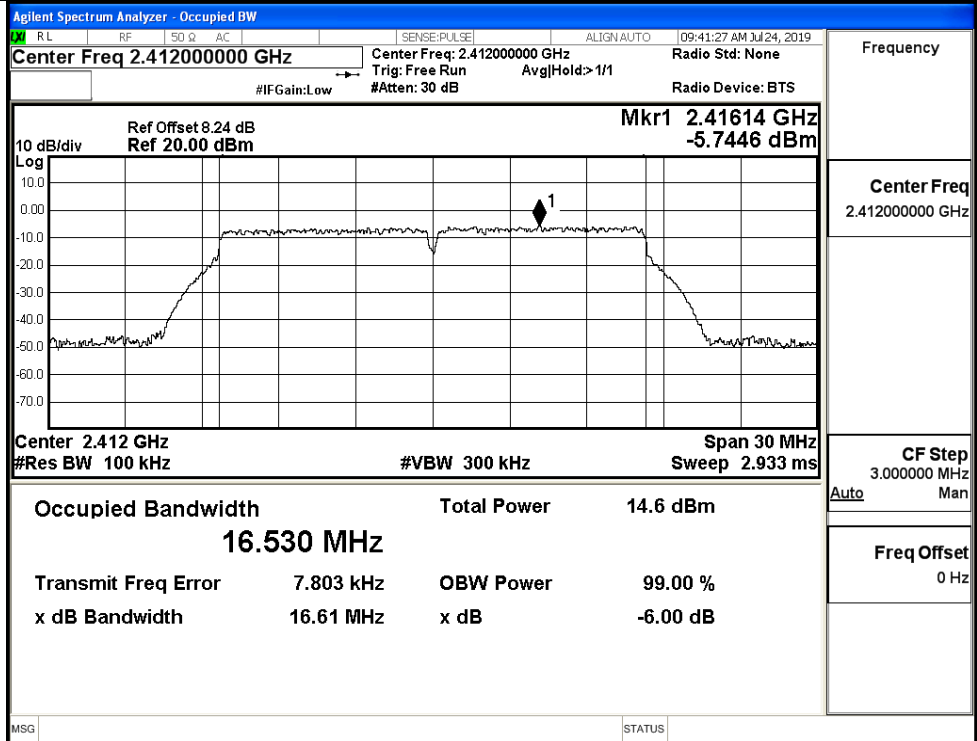
11B/MCH



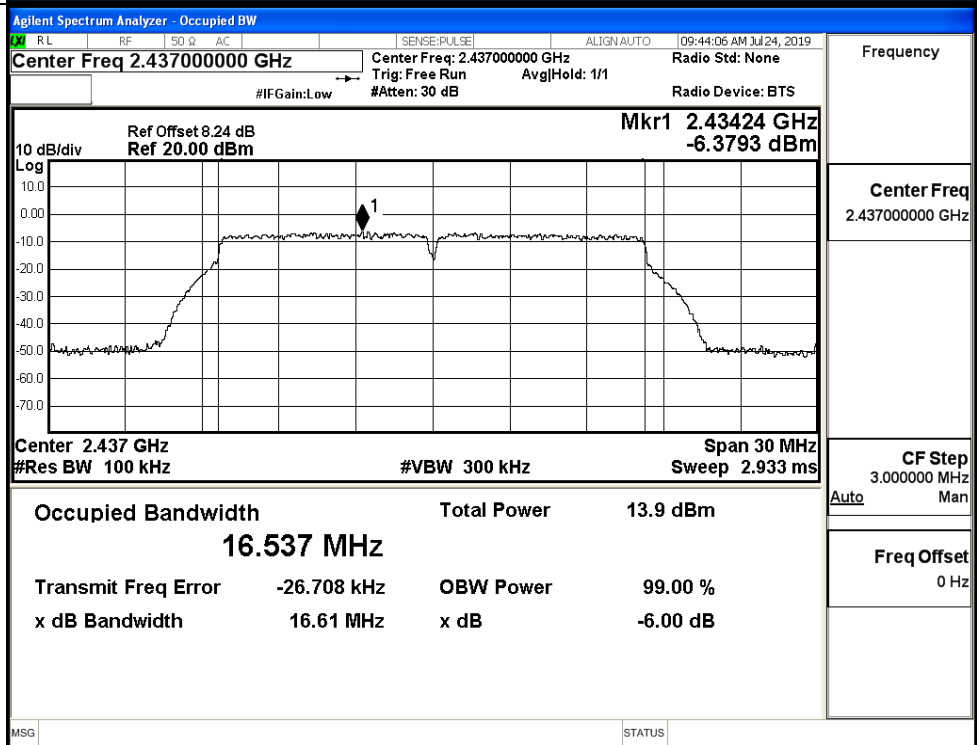
11B/HCH



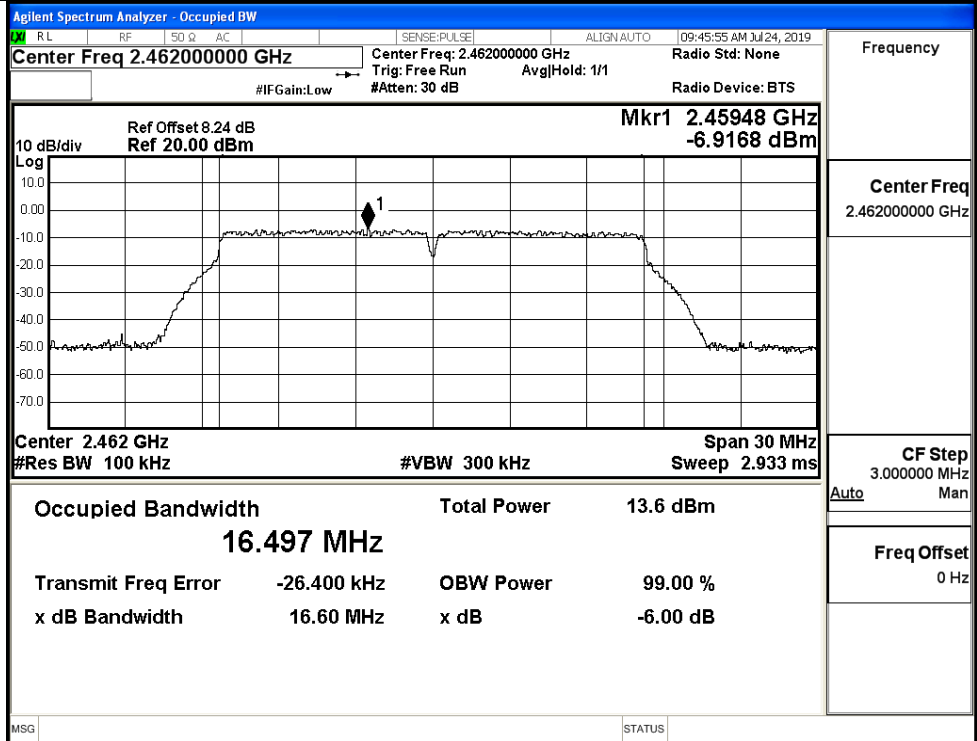
11G/LCH



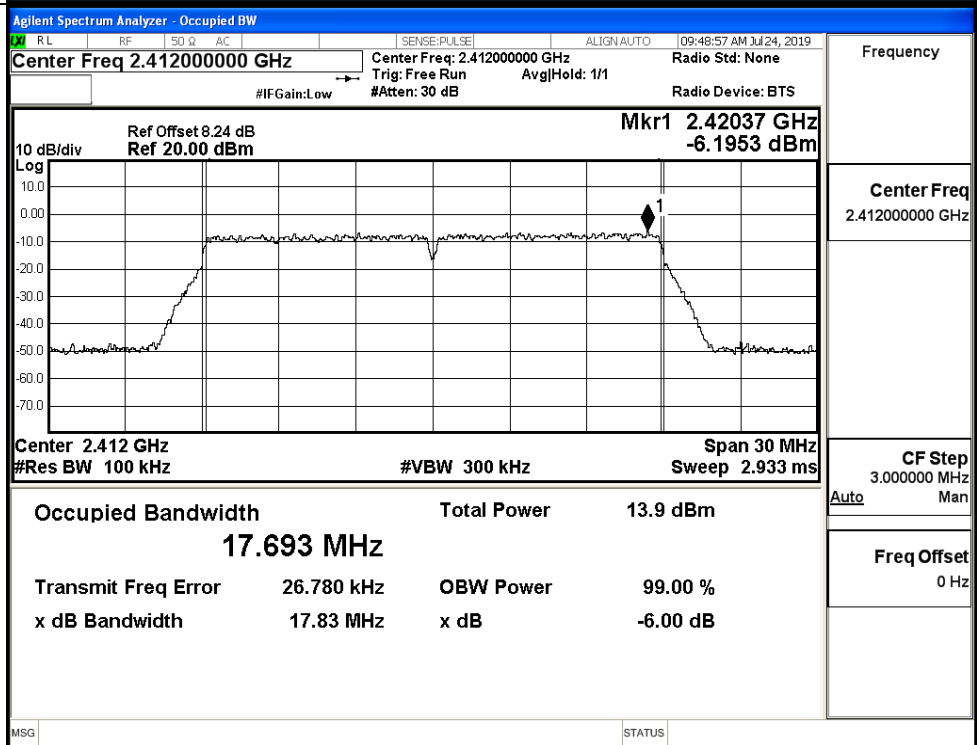
11G/MCH



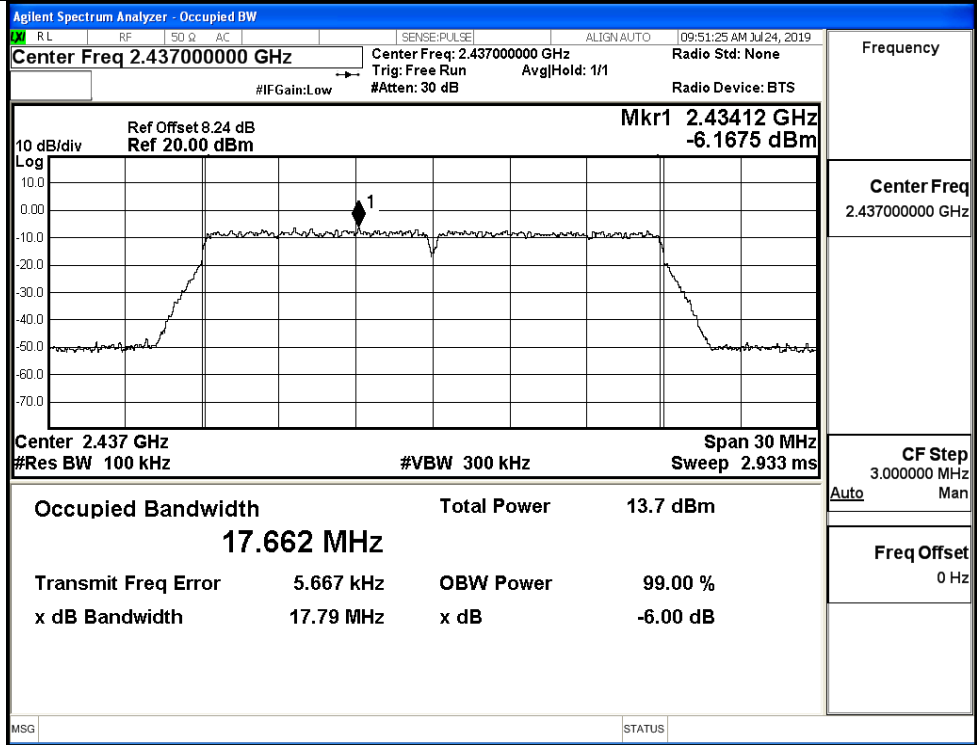
11G/HCH



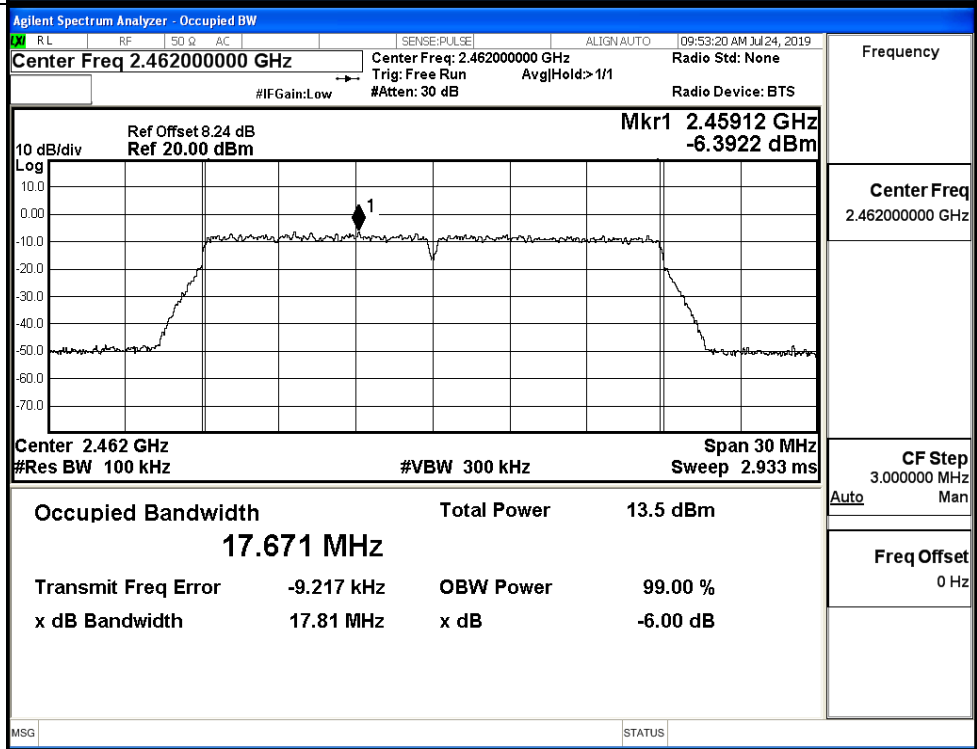
11N20SISO/LCH



11N20SISO/MCH



11N20SISO/HCH

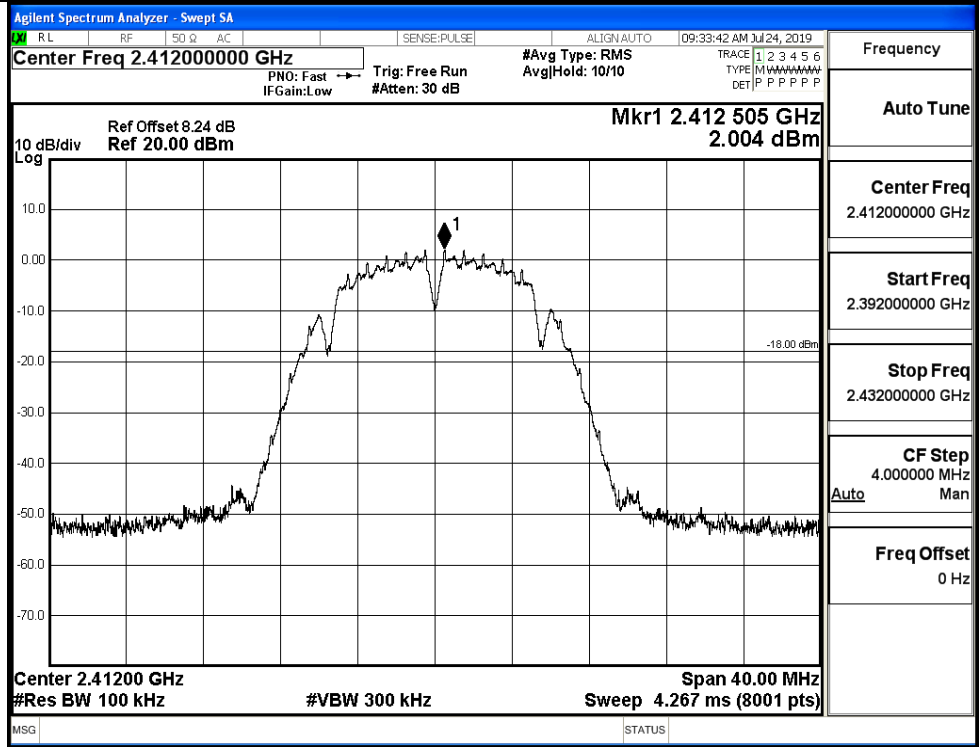


C.5 RF Conducted Spurious Emissions

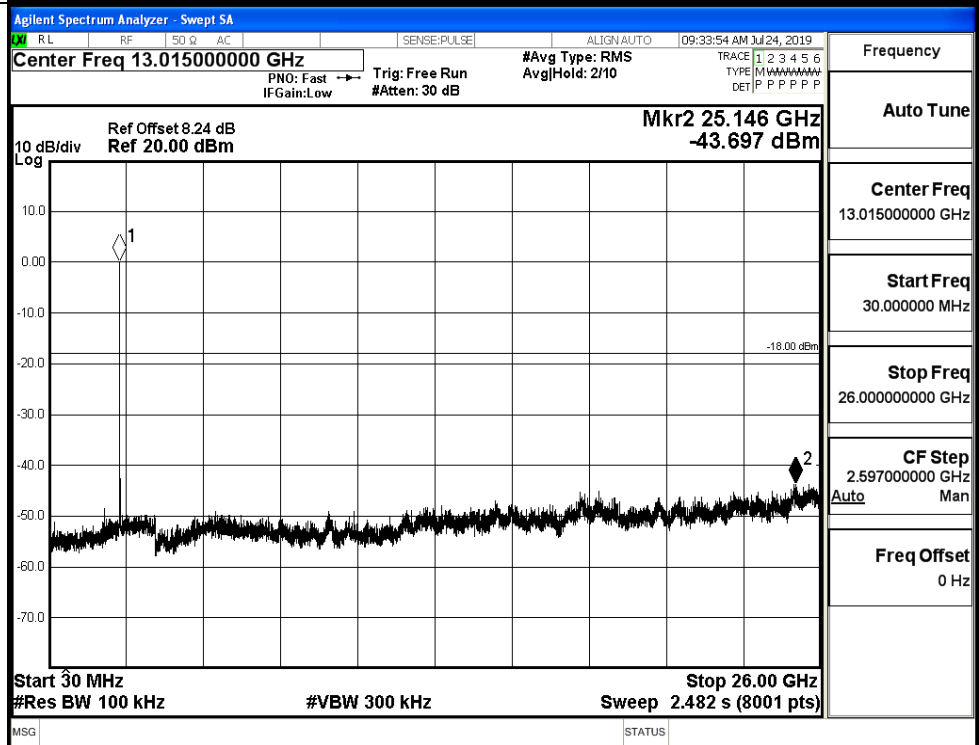
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.004	-43.697	-17.996	PASS
	MCH	2.071	-43.280	-17.929	PASS
	HCH	2.874	-43.134	-17.126	PASS
11G	LCH	-5.821	-42.814	-25.821	PASS
	MCH	-6.547	-41.577	-26.547	PASS
	HCH	-7.001	-43.790	-27.001	PASS
11N20 SISO	LCH	-6.415	-42.901	-26.415	PASS
	MCH	-6.564	-43.360	-26.564	PASS
	HCH	-6.437	-43.800	-26.437	PASS

11B_LCH_Graphs

Pref/11B/LCH

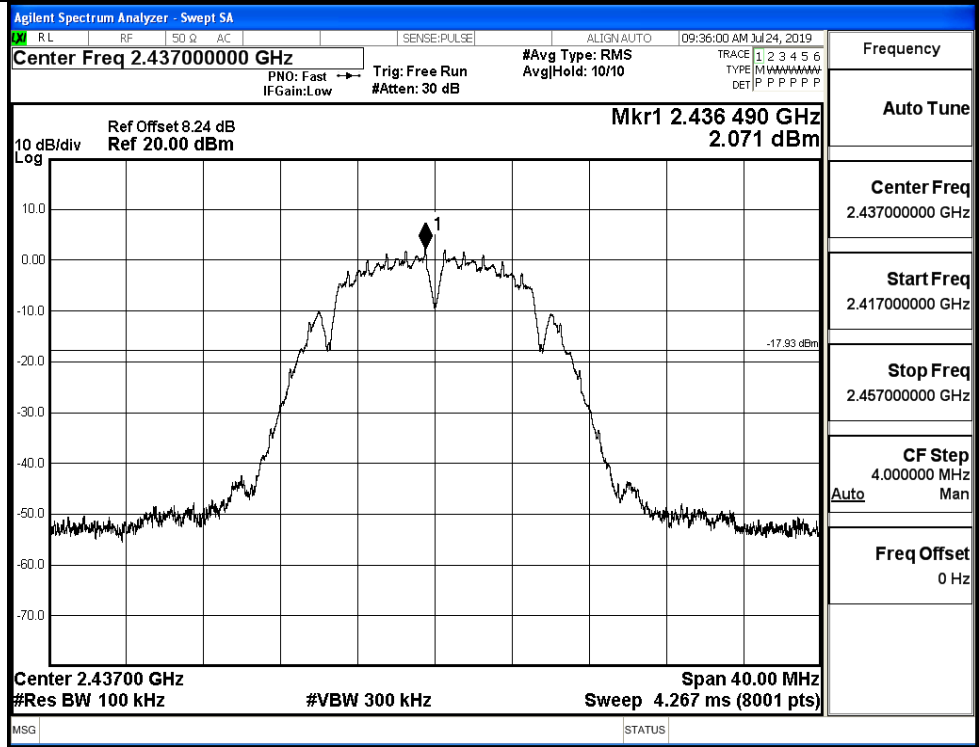


Puw/11B/LCH

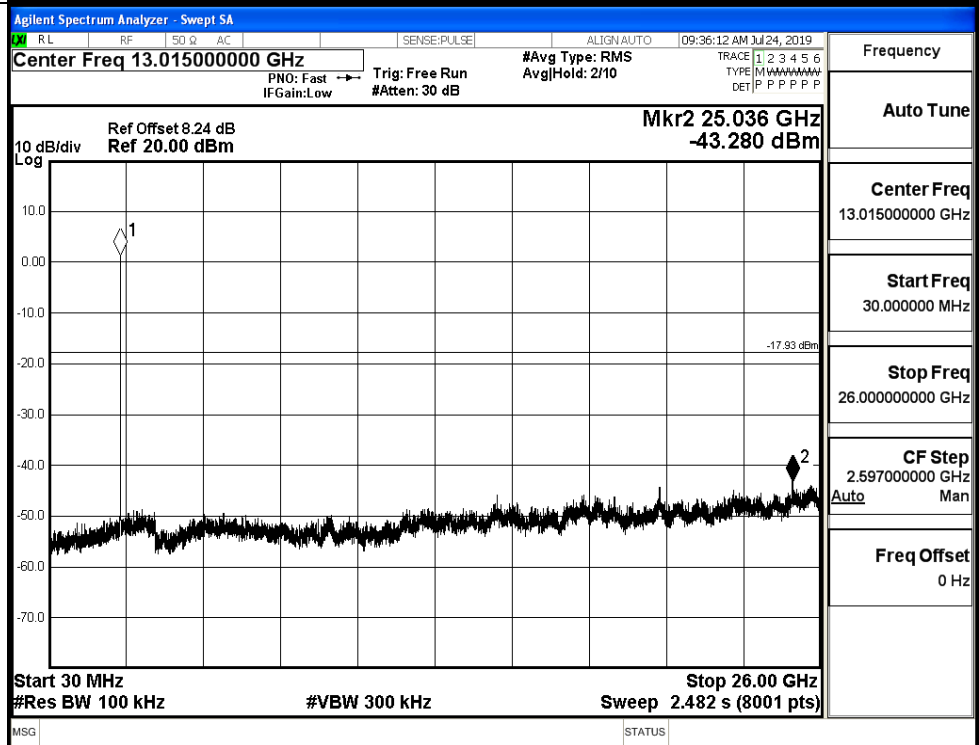


11B_MCH_Graphs

Pref/11B/MCH

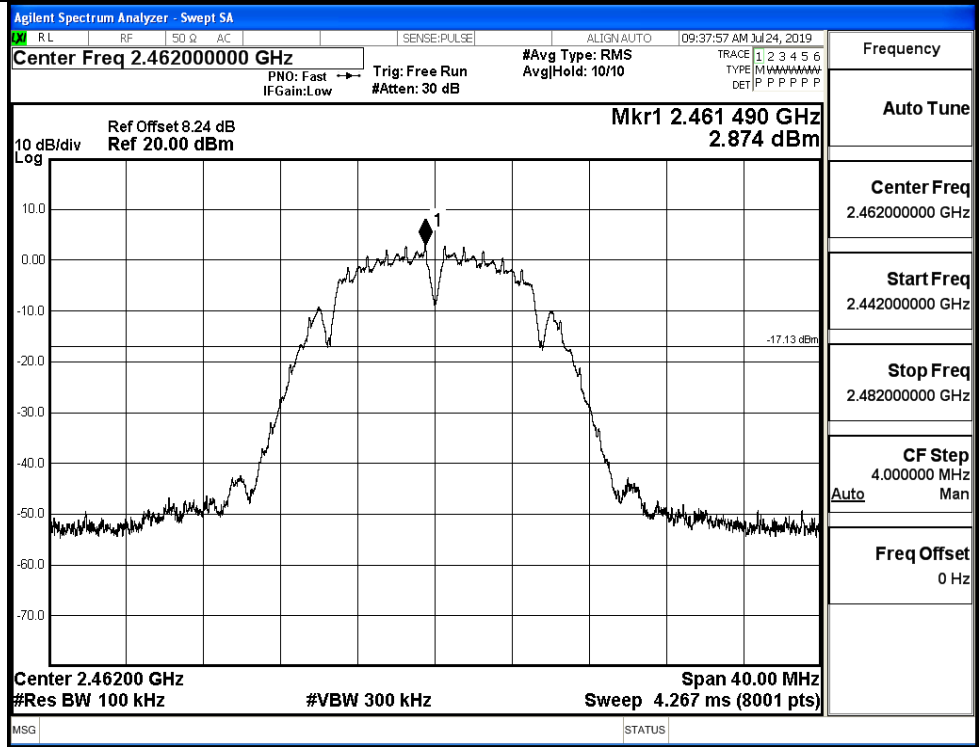


Puw/11B/MCH

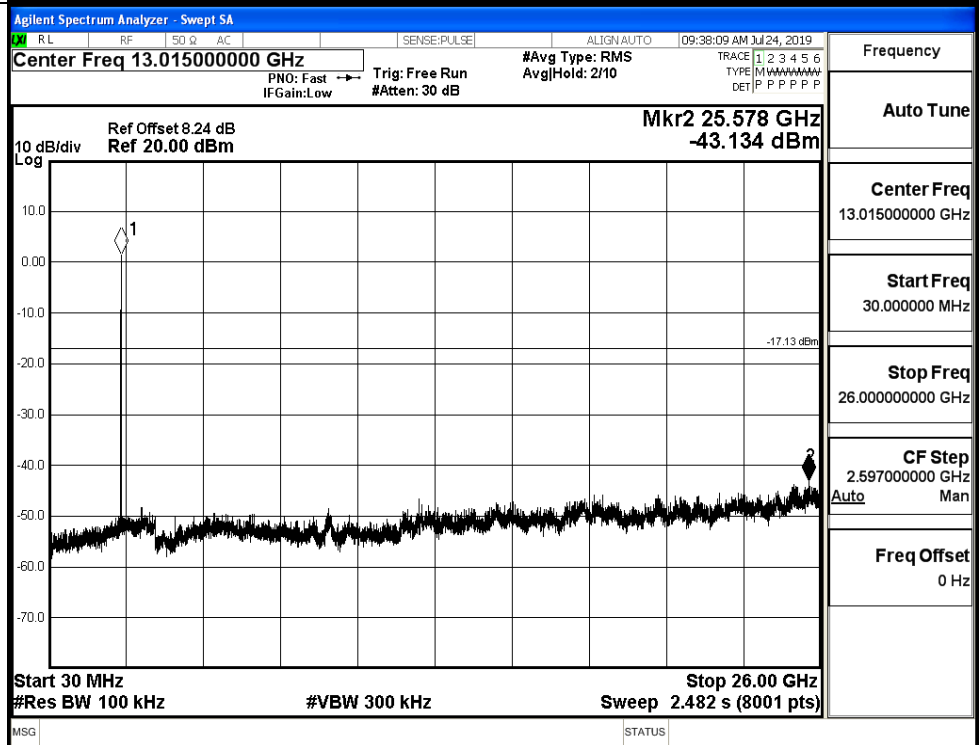


11B_HCH_Graphs

Pref/11B/HCH

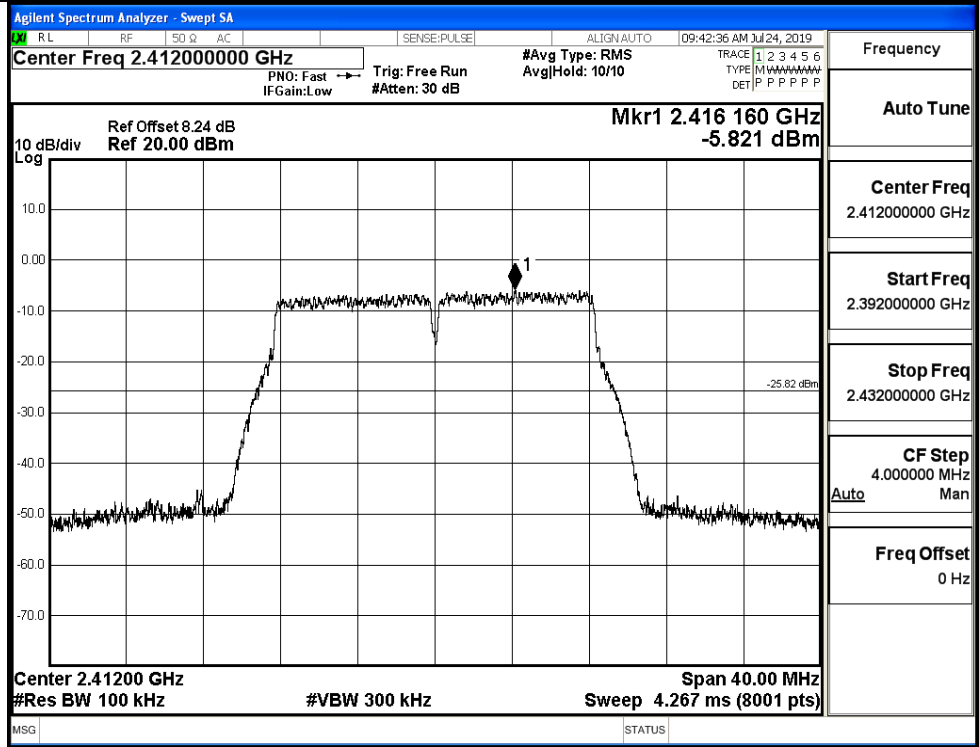


Puw/11B/HCH

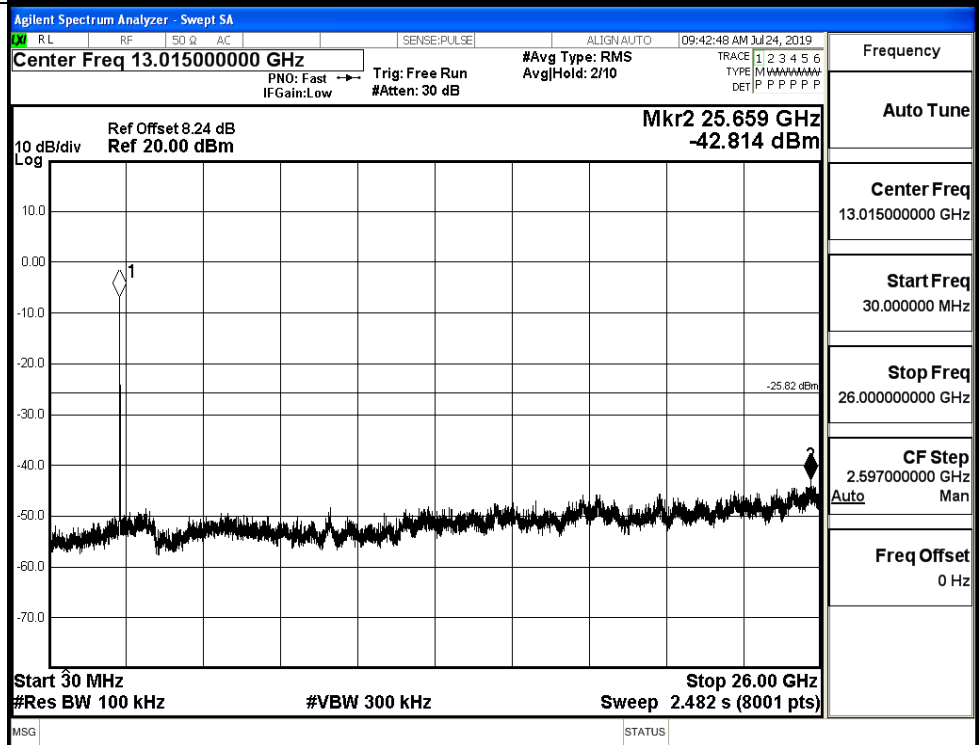


11G_LCH_Graphs

Pref/11G/LCH

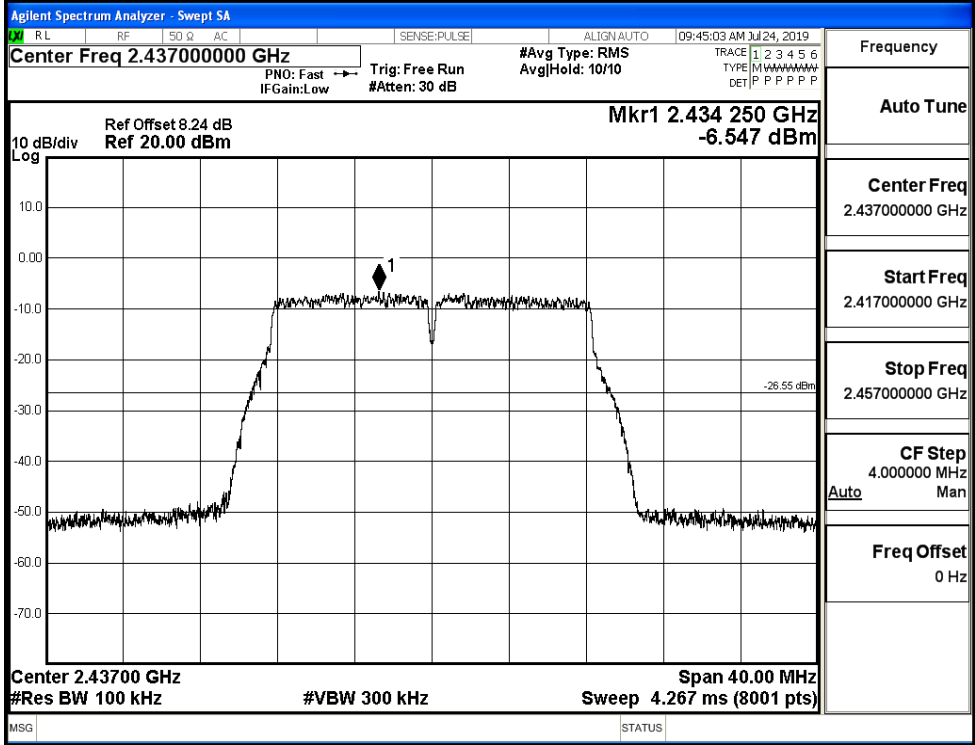


Puw/11G/LCH

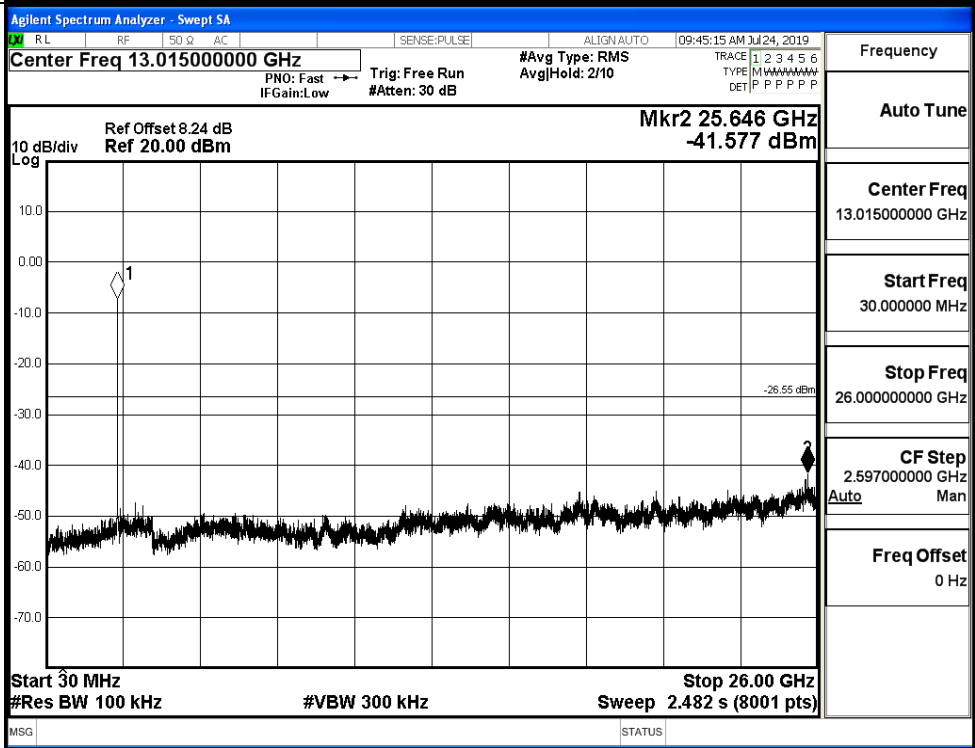


11G_MCH_Graphs

Pref/11G/MCH

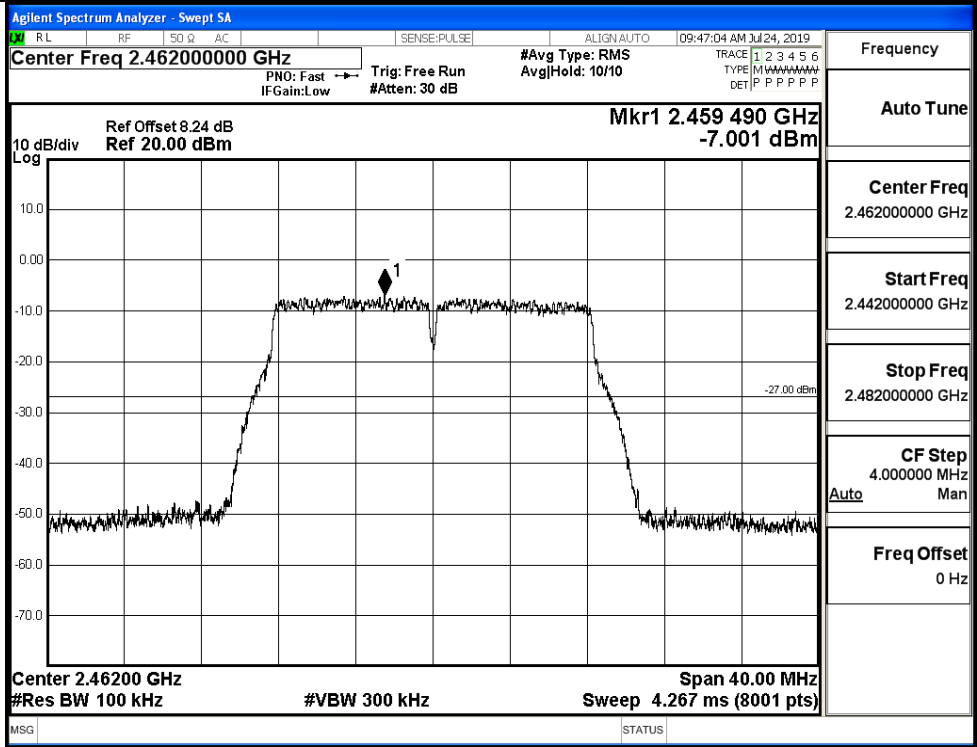


Puw/11G/MCH

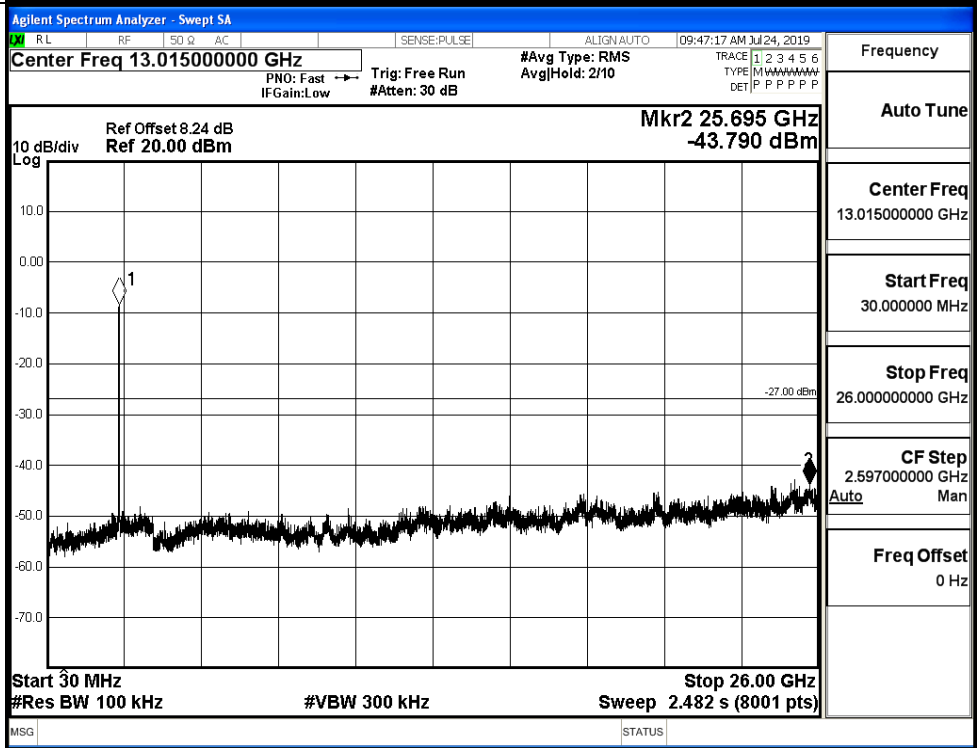


11G_HCH_Graphs

Pref/11G/HCH

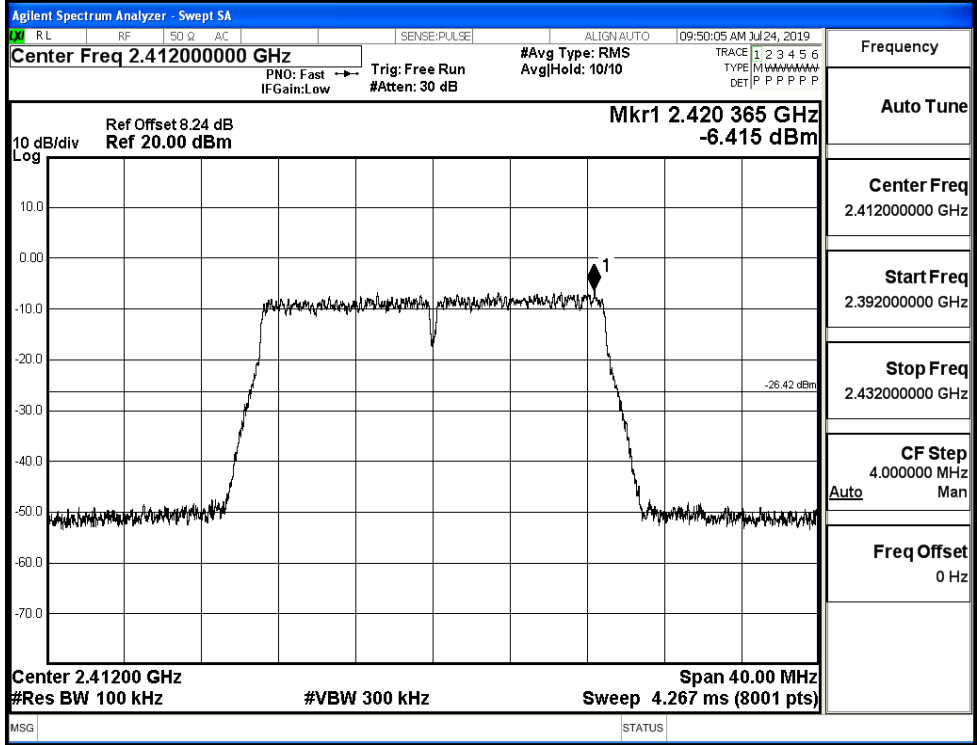


Puw/11G/HCH

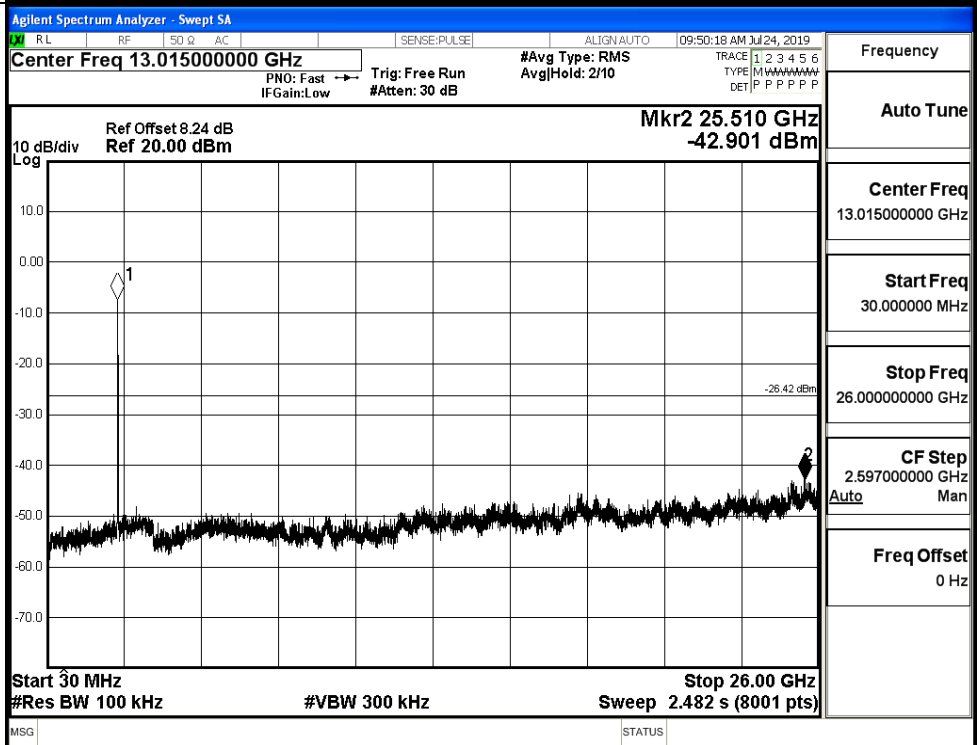


11N20SISO_LCH_Graphs

Pref/11N20SIS
O/LCH

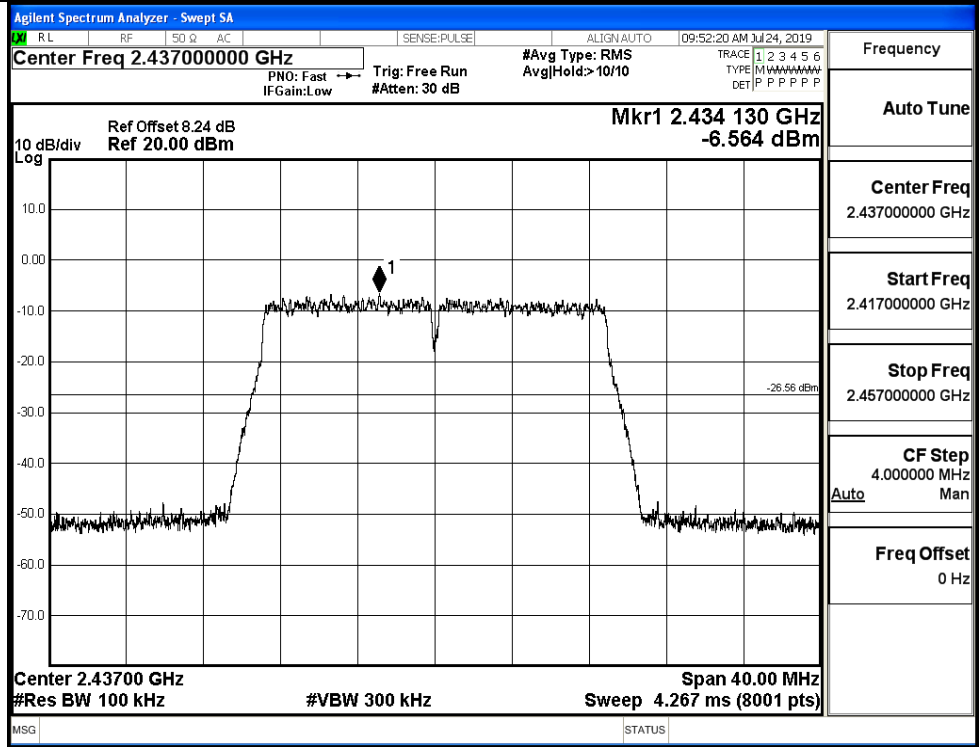


Puw/11N20
SISO/LCH

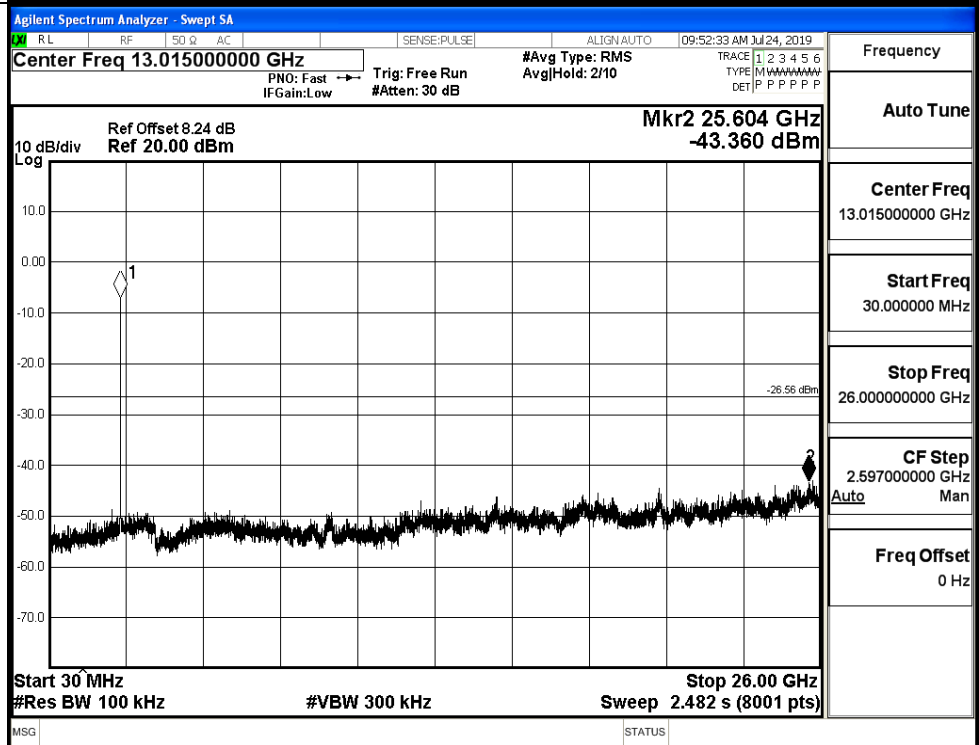


11N20SISO_MCH_Graphs

Pref/11N20
SISO/MCH

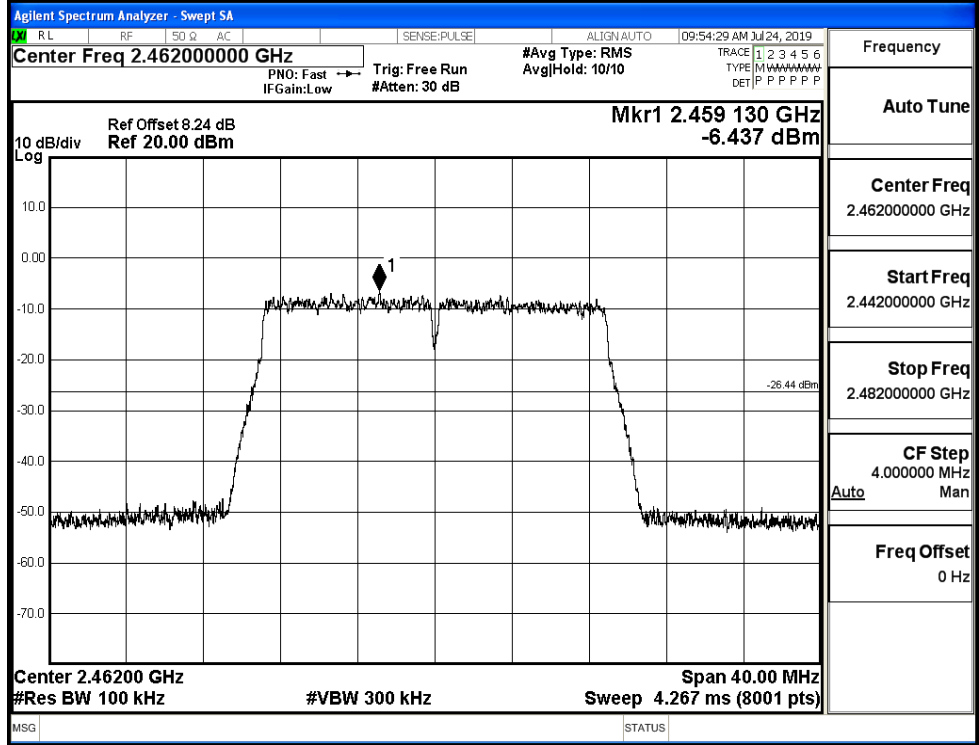


Puw/11N20
SISO/MCH

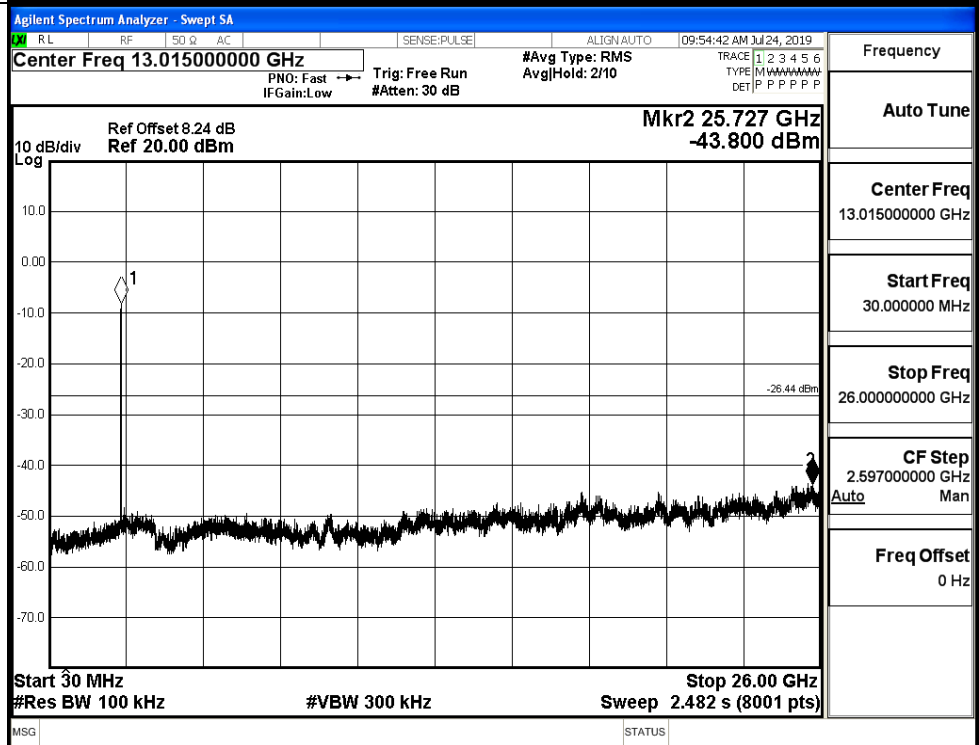


11N20SISO_HCH_Graphs

Pref/11N20
SISO/HCH

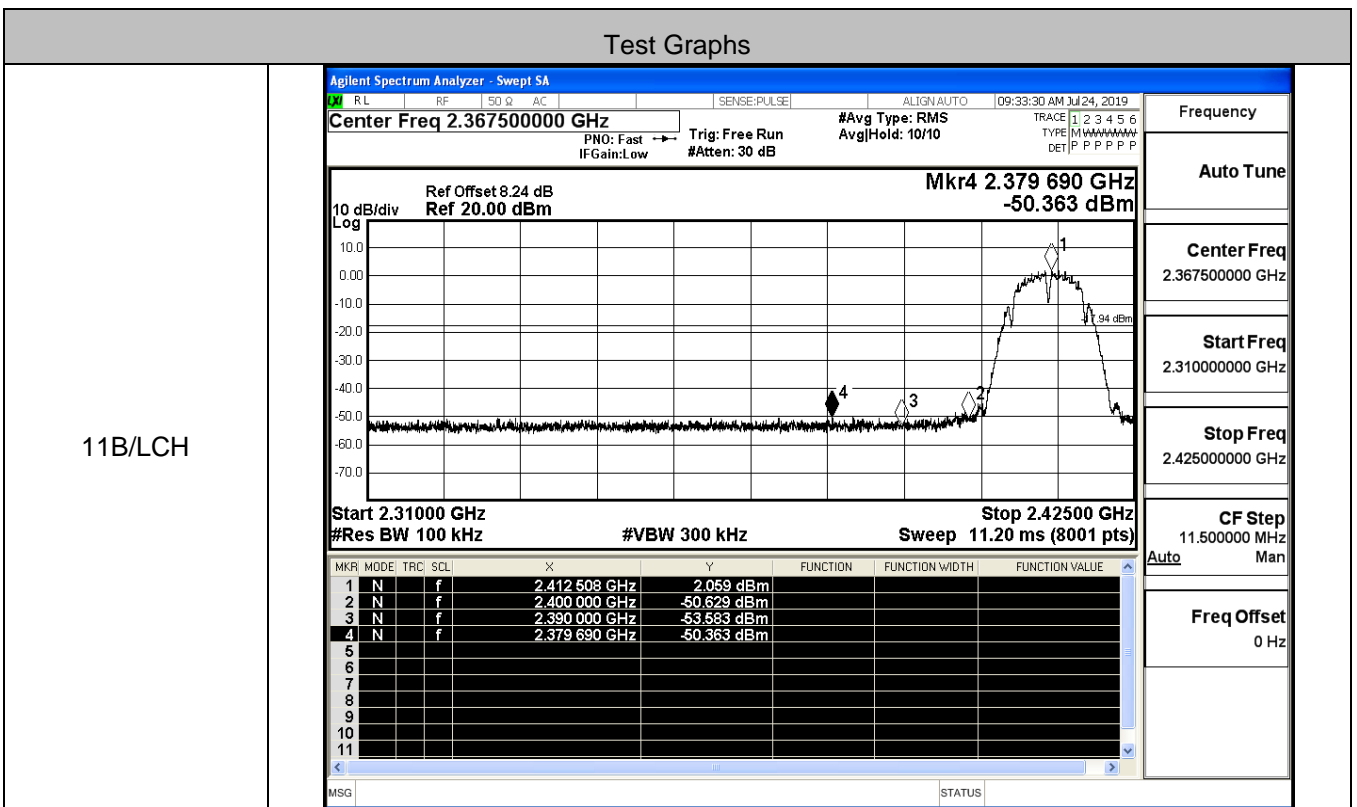


Puw/11N20
SISO/HCH

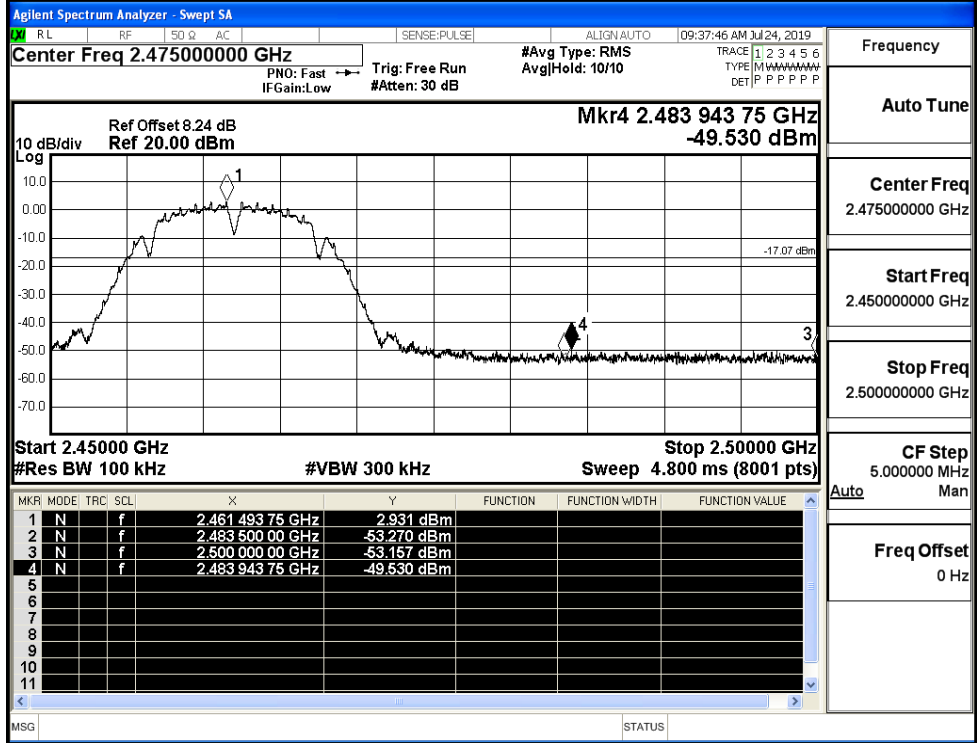


C.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.059	-50.363	-17.94	PASS
	HCH	2.931	-49.530	-17.07	PASS
11G	LCH	-5.808	-49.872	-25.81	PASS
	HCH	-6.963	-48.802	-26.96	PASS
11N20SISO	LCH	-6.225	-50.072	-26.23	PASS
	HCH	-6.662	-48.905	-26.66	PASS

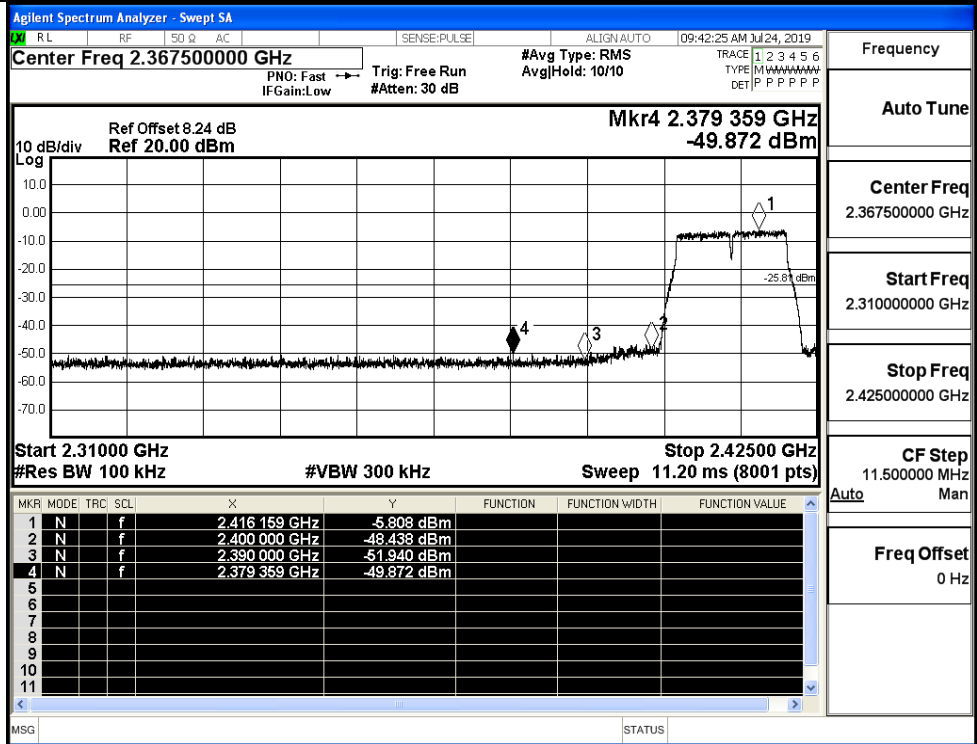


11B/HCH



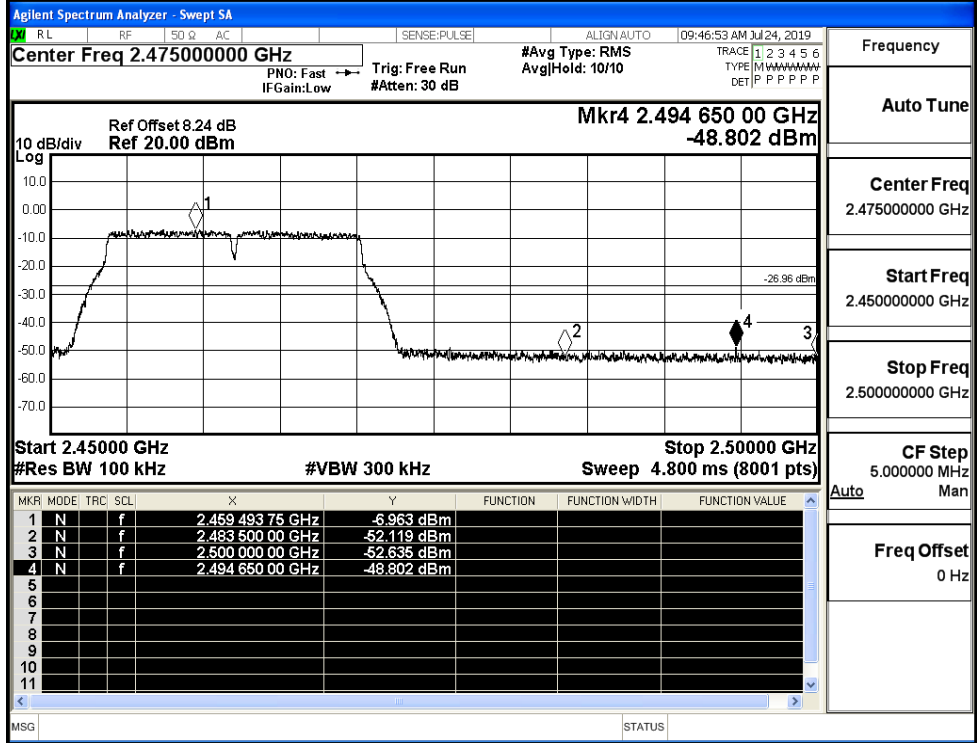
Frequency
Auto Tune
Center Freq
2.47500000 GHz
Start Freq
2.45000000 GHz
Stop Freq
2.50000000 GHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

11G/LCH



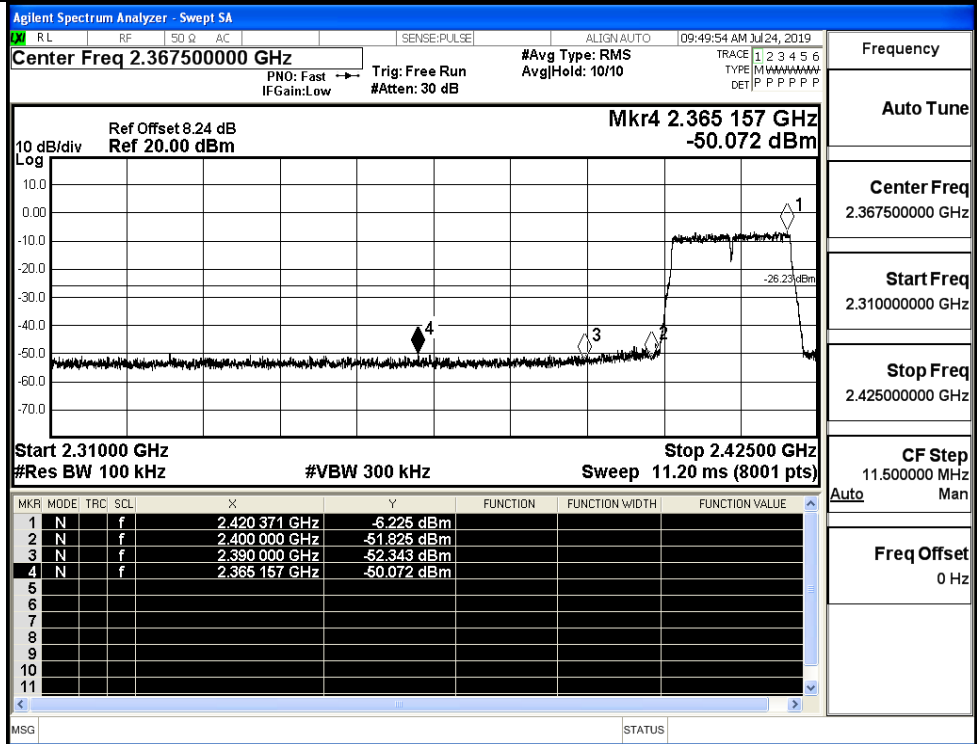
Frequency
Auto Tune
Center Freq
2.36750000 GHz
Start Freq
2.31000000 GHz
Stop Freq
2.42500000 GHz
CF Step
11.500000 MHz
Auto Man
Freq Offset
0 Hz

11G/HCH



Frequency	2.47500000 GHz
Auto Tune	
Center Freq	2.47500000 GHz
Start Freq	2.45000000 GHz
Stop Freq	2.50000000 GHz
CF Step	5.000000 MHz
Freq Offset	0 Hz

11N20SISO/LCH



Frequency	2.36750000 GHz
Auto Tune	
Center Freq	2.36750000 GHz
Start Freq	2.31000000 GHz
Stop Freq	2.42500000 GHz
CF Step	11.500000 MHz
Freq Offset	0 Hz

11N20SISO/HCH

