

Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: DUNE HD Pro Vision 4K Solo

Trade Mark: DUNE HD

Test Model: Pro Vision 4K Solo

Environmental Conditions

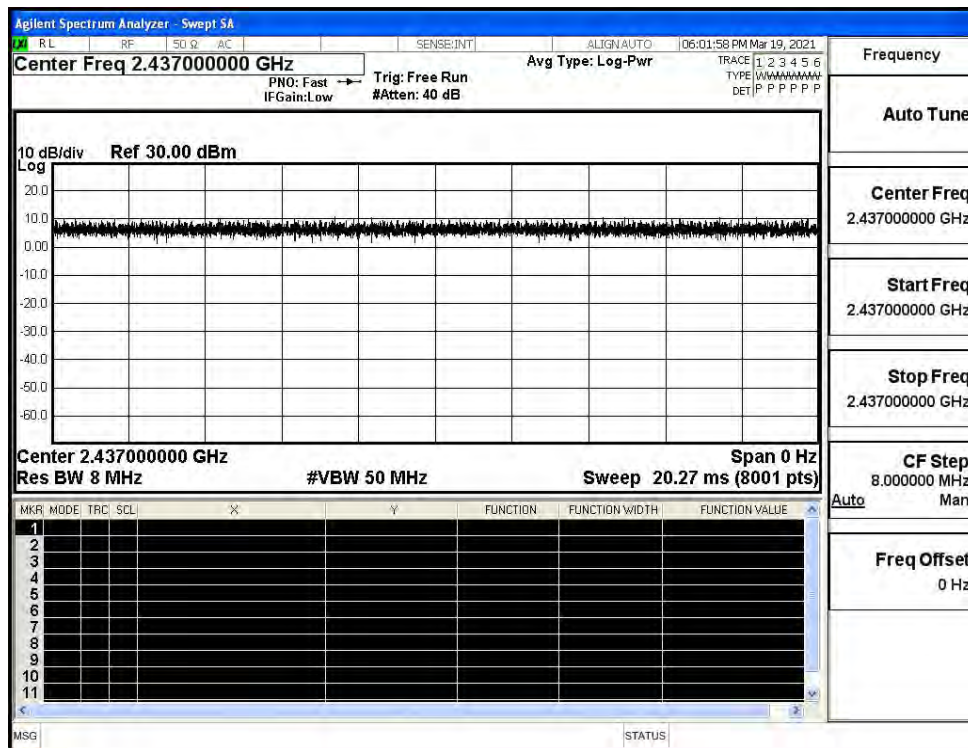
Temperature:	22.6° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

C.1 Duty Cycle

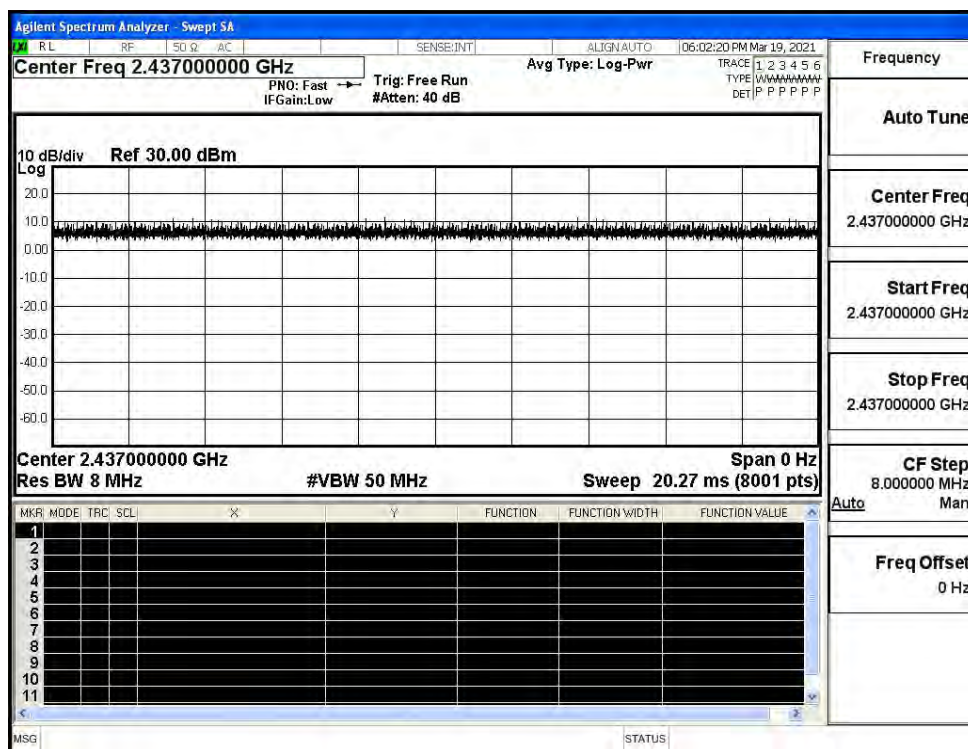
Ant0

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

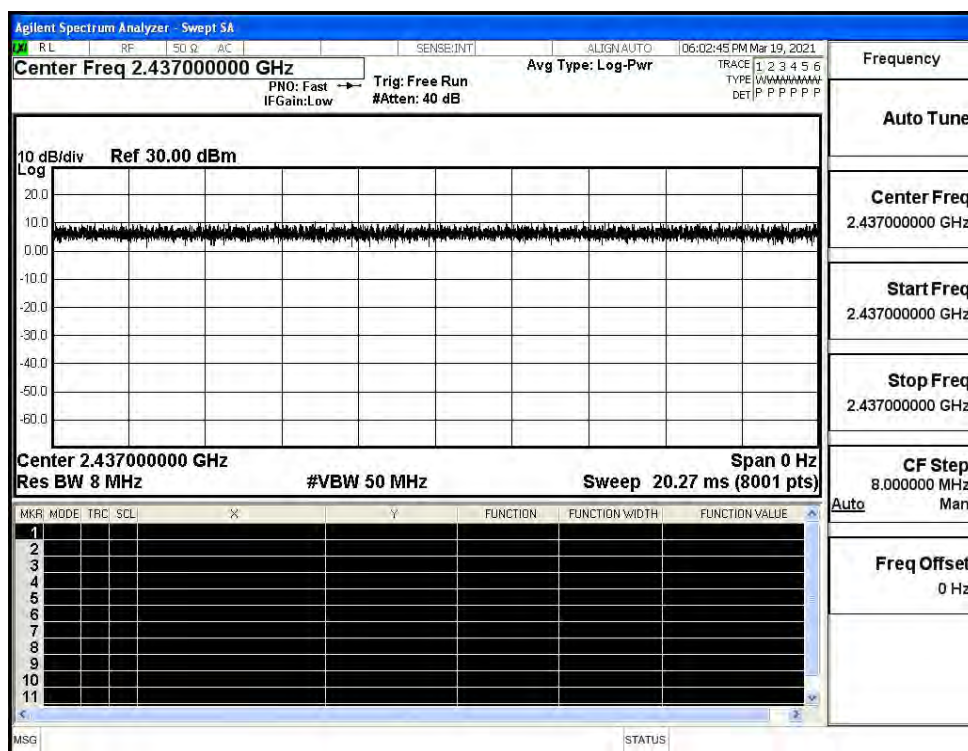
Duty Cycle_11B_2437_Ant1



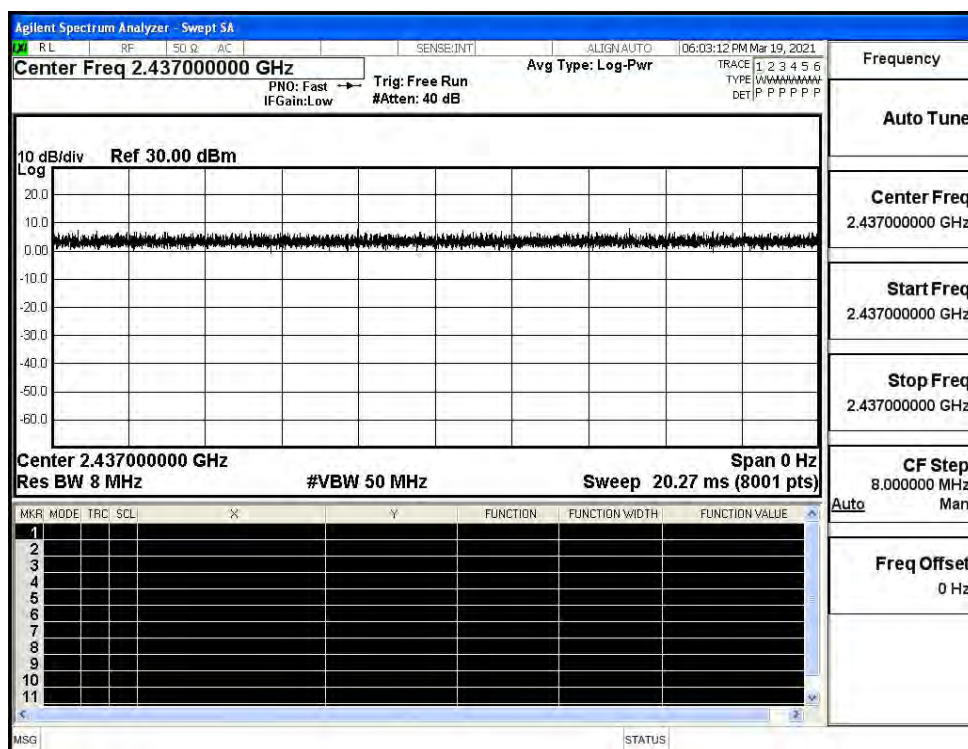
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



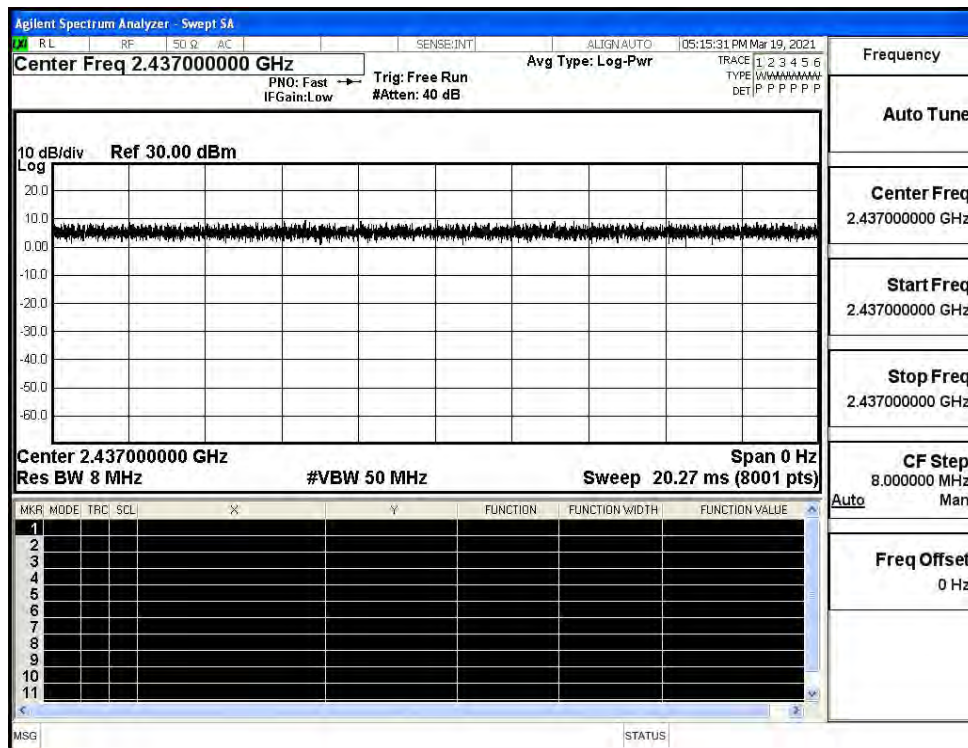
Duty Cycle_11N40SISO_2437_Ant1



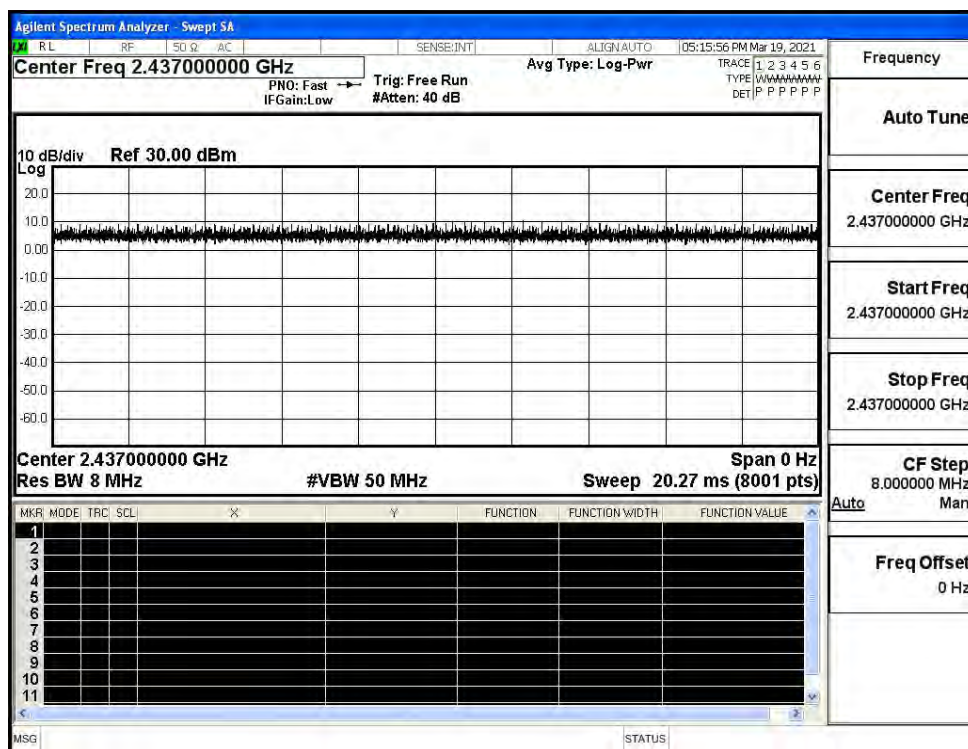
Ant1

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

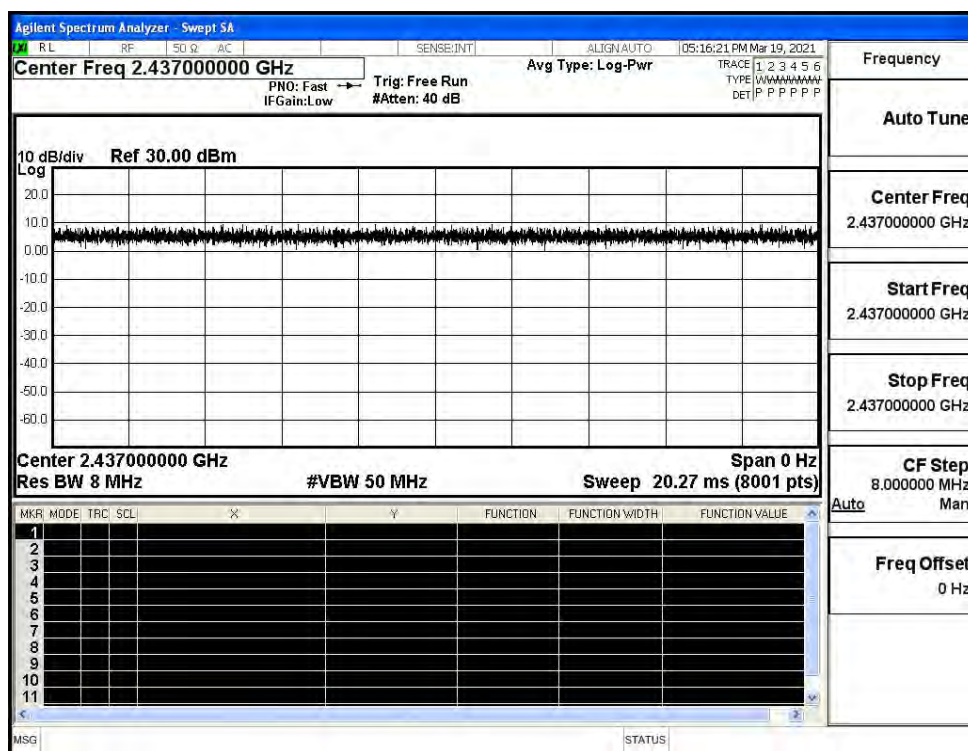
Duty Cycle_11B_2437_Ant1



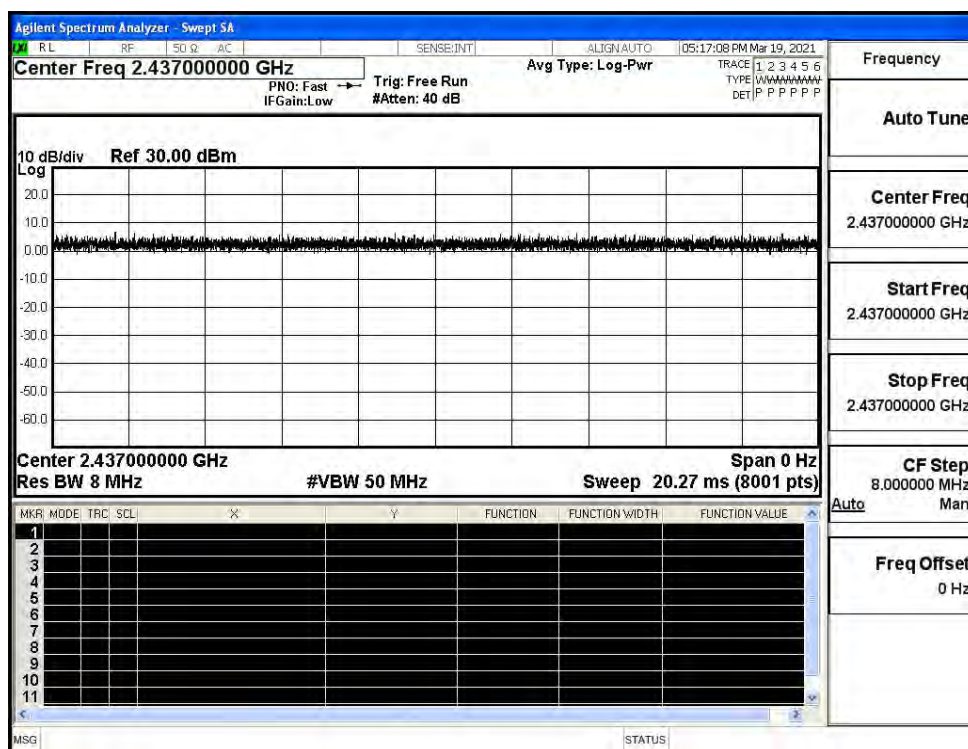
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1



C.2 Maximum Conducted Output Power

Mode	Channel	Meas.Level [dBm]			Limit [dBm]	Verdict
		Ant_0	Ant_1	Sum		
11B	LCH	16.28	16.75	/	30	PASS
	MCH	16.96	17.41	/	30	PASS
	HCH	16.50	17.41	/	30	PASS
11G	LCH	16.84	16.84	/	30	PASS
	MCH	17.77	17.62	/	30	PASS
	HCH	16.05	16.76	/	30	PASS
11N20	LCH	16.62	16.14	19.40	30	PASS
	MCH	17.4	17.65	20.54	30	PASS
	HCH	16.74	16.07	19.43	30	PASS
11N40	LCH	16.79	16.14	19.49	30	PASS
	MCH	17.23	16.63	19.95	30	PASS
	HCH	16.78	17.46	20.14	30	PASS

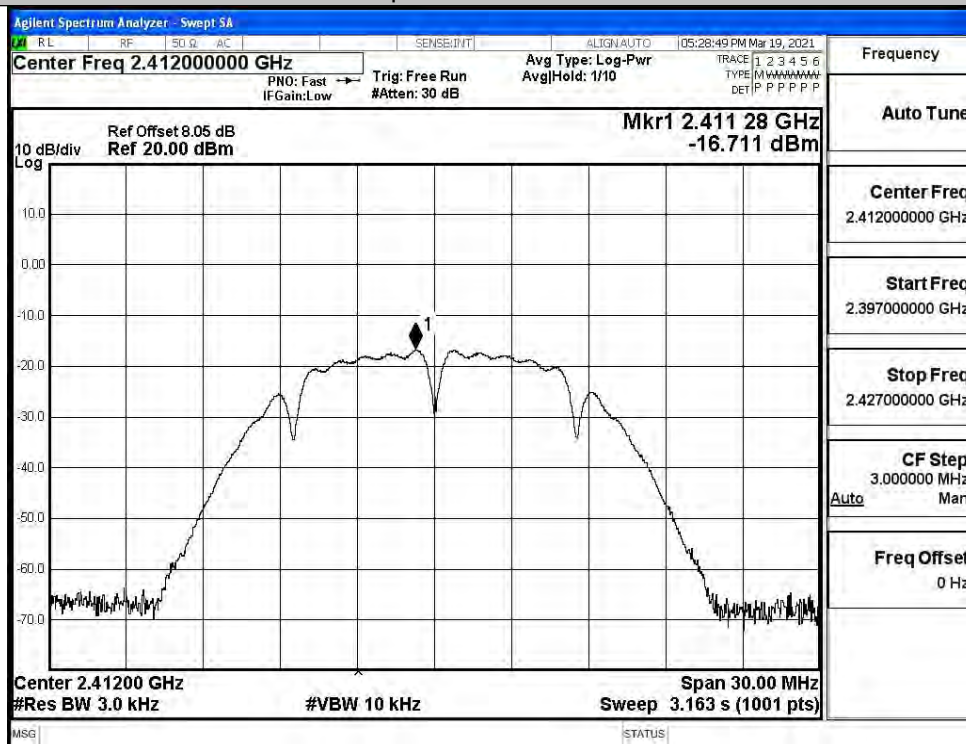
C.3 Maximum Power Spectral Density

Ant0

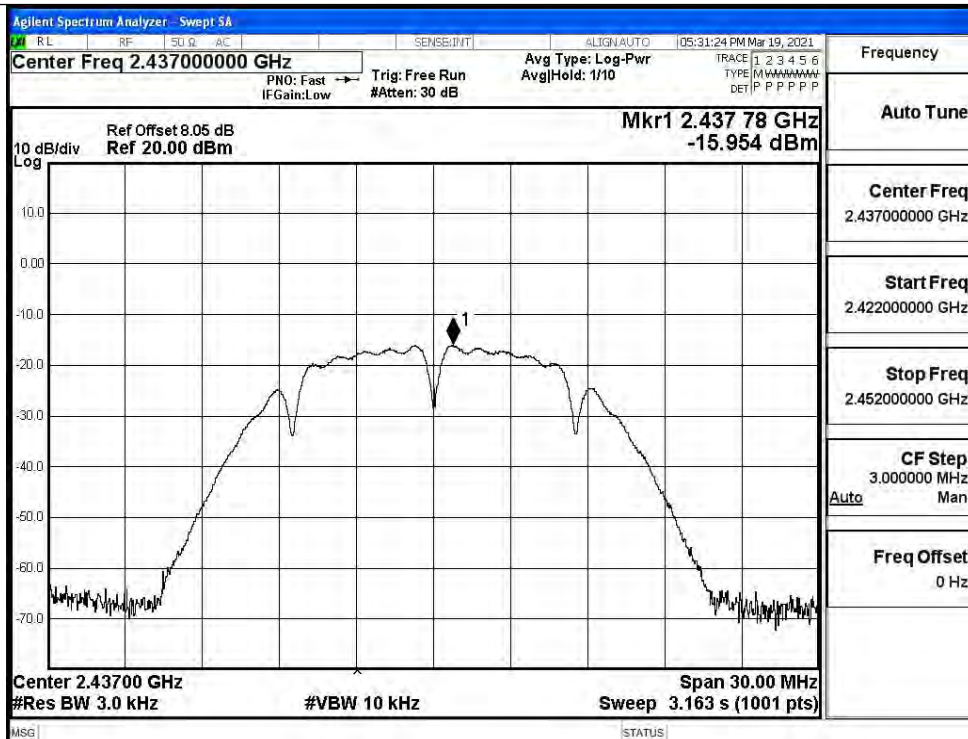
Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-16.711	8	PASS
	MCH	-15.954	8	PASS
	HCH	-16.499	8	PASS
11G	LCH	-17.590	8	PASS
	MCH	-13.832	8	PASS
	HCH	-19.057	8	PASS
11N20SISO	LCH	-18.037	8	PASS
	MCH	-17.413	8	PASS
	HCH	-17.877	8	PASS
11N40SISO	LCH	-17.050	8	PASS
	MCH	-18.761	8	PASS
	HCH	-18.323	8	PASS

Test Graphs

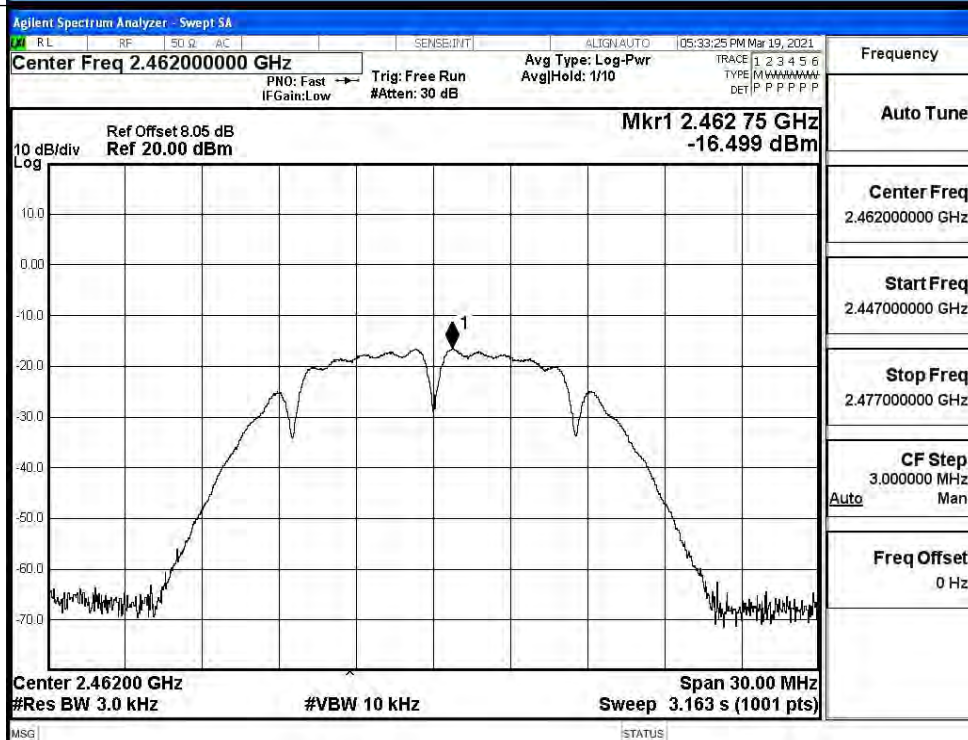
11B/LCH



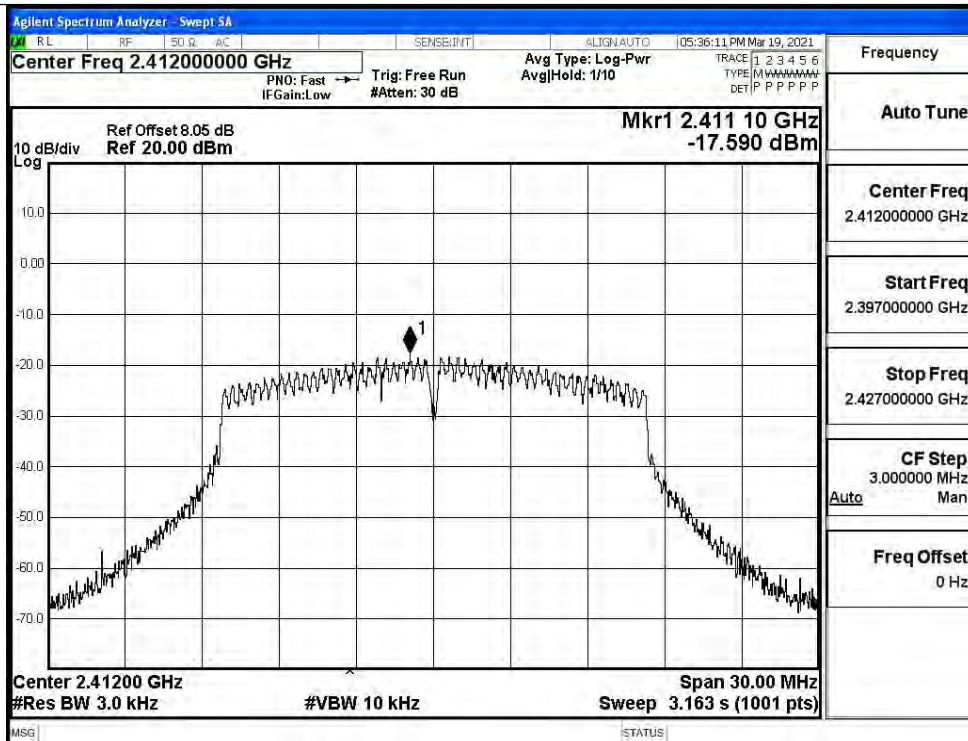
11B/MCH



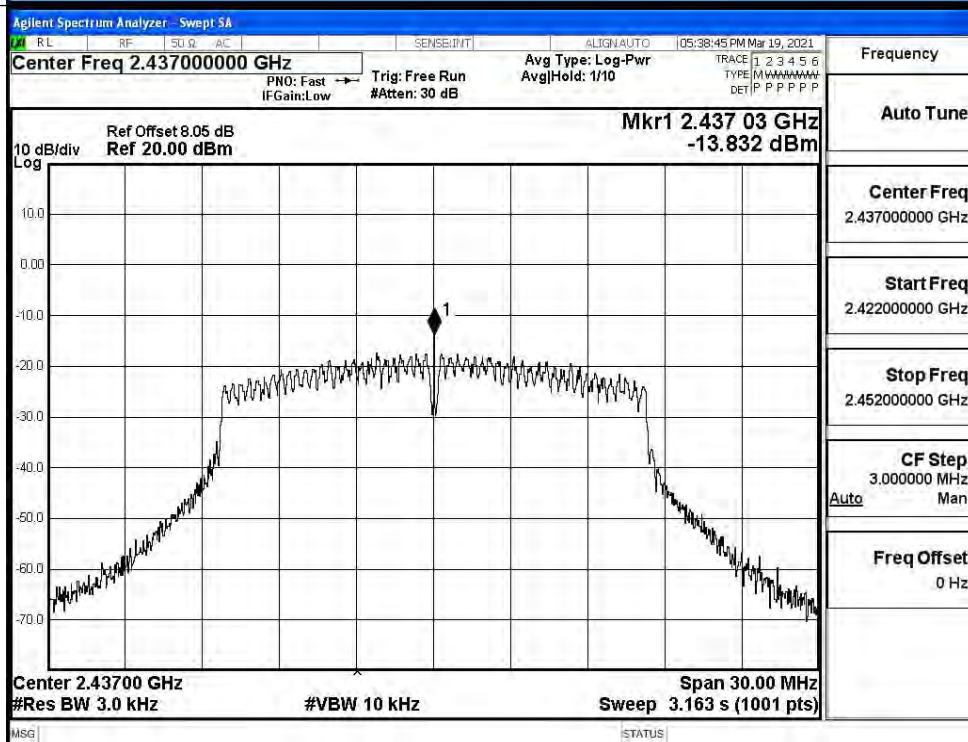
11B/HCH



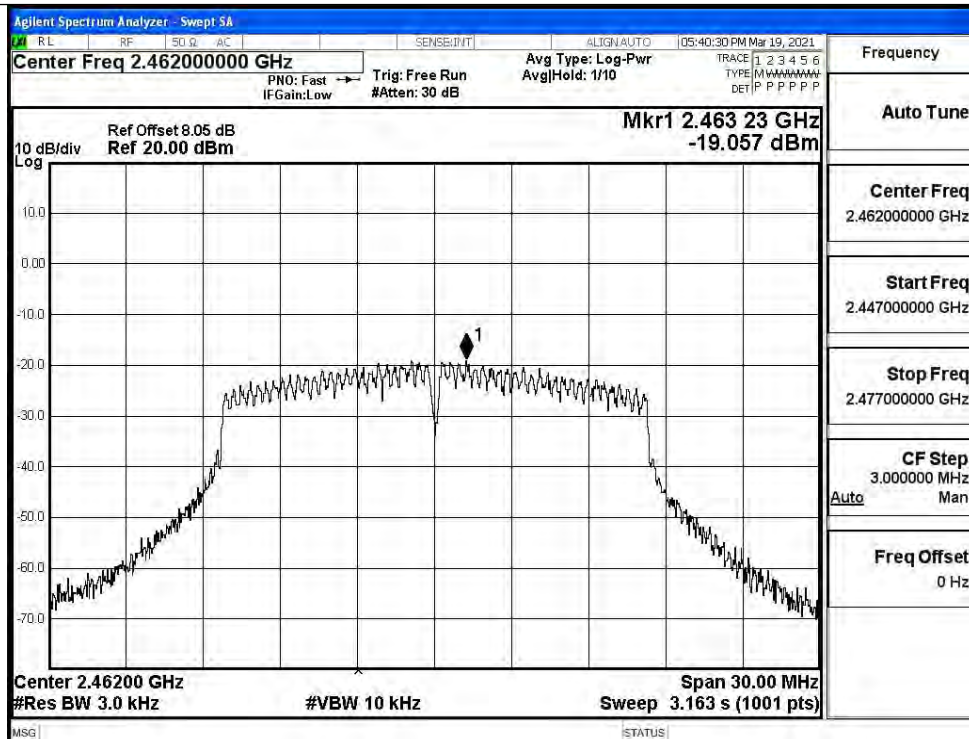
11G/LCH



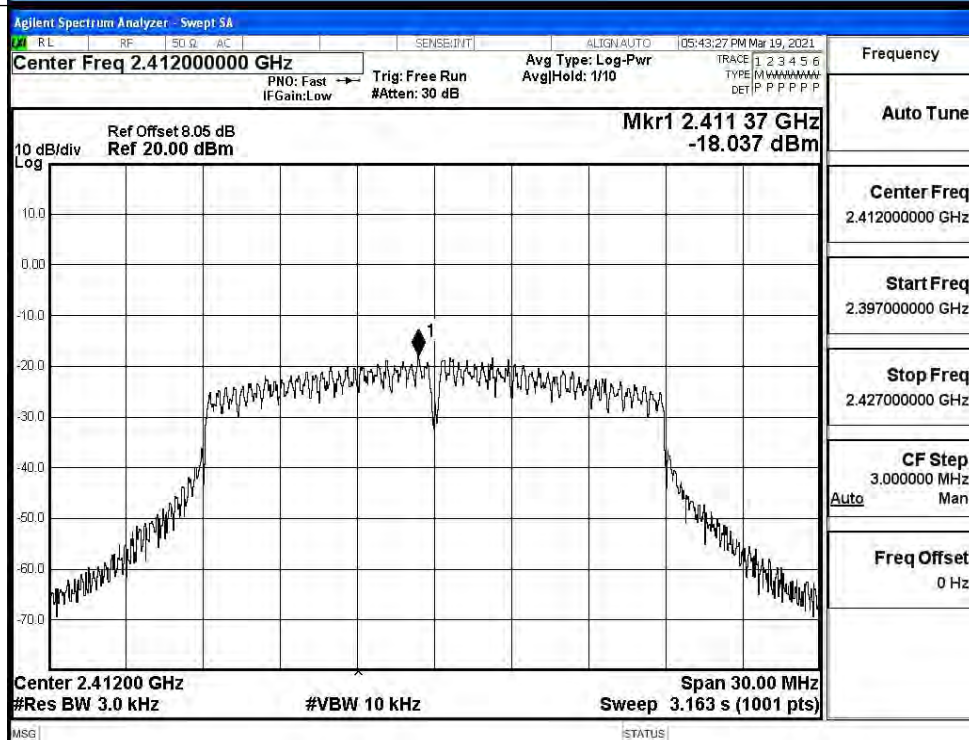
11G/MCH



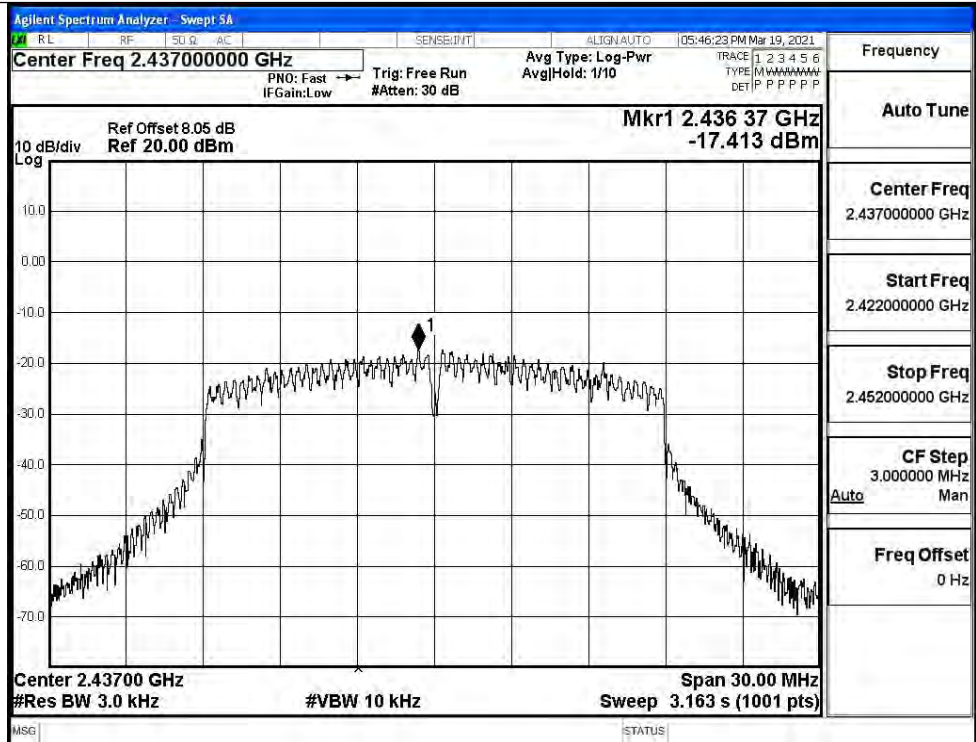
11G/HCH



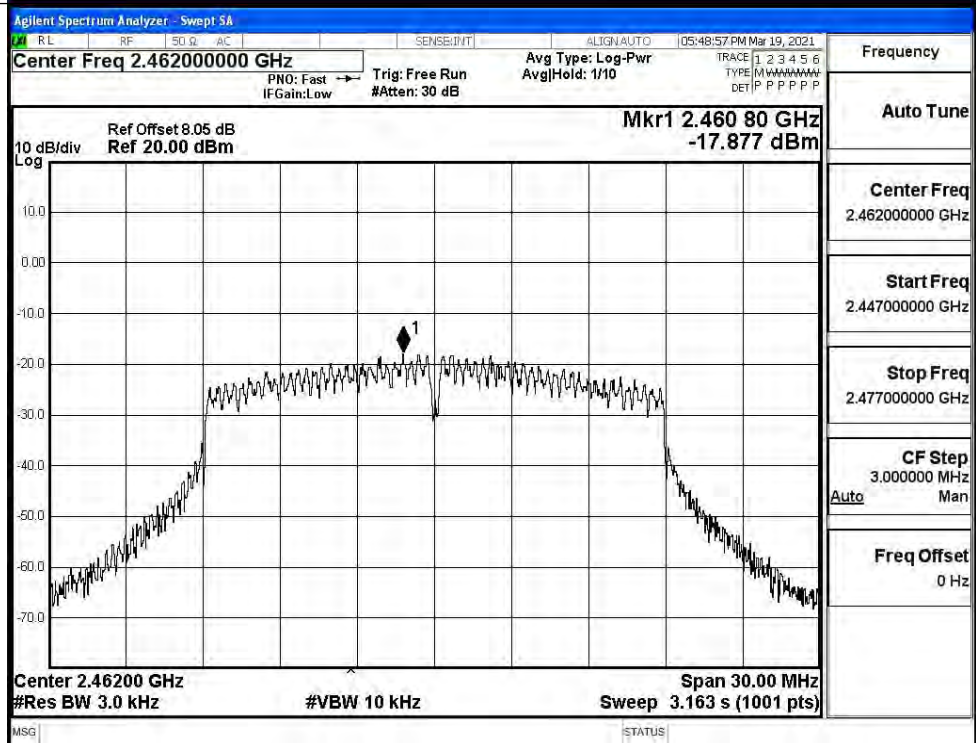
11N20SISO/LCH



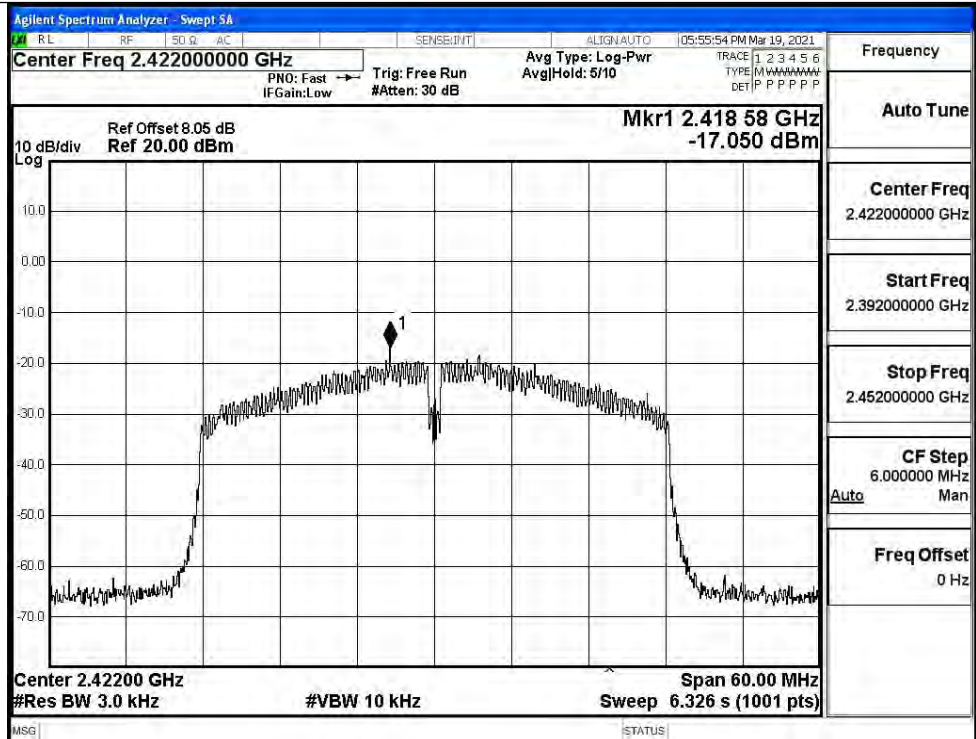
11N20SISO/MCH



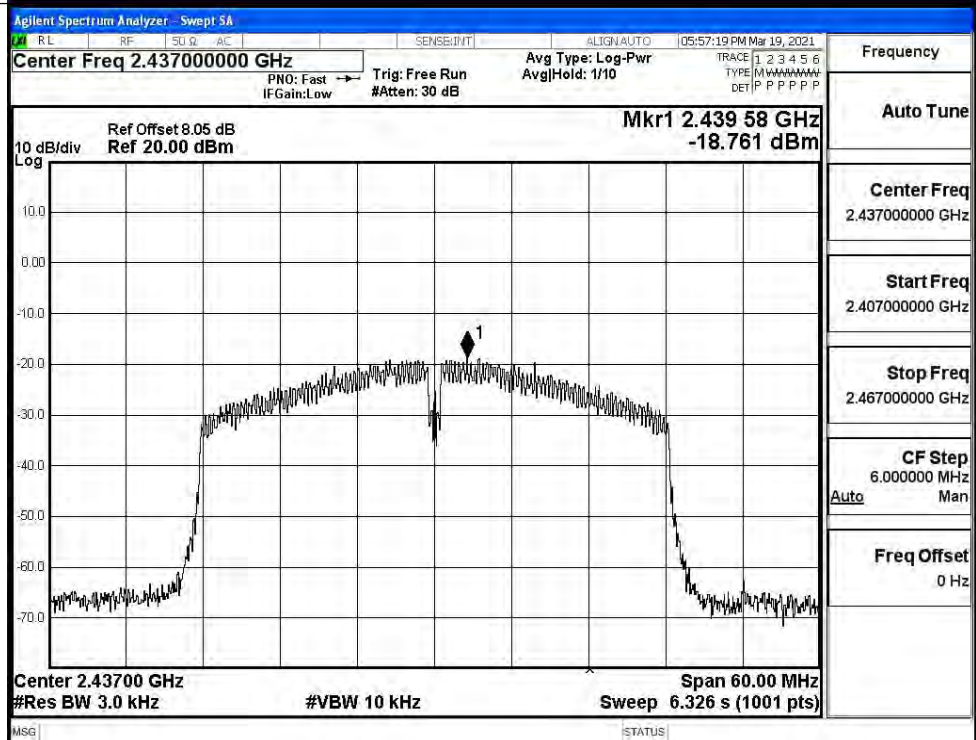
11N20SISO/HCH

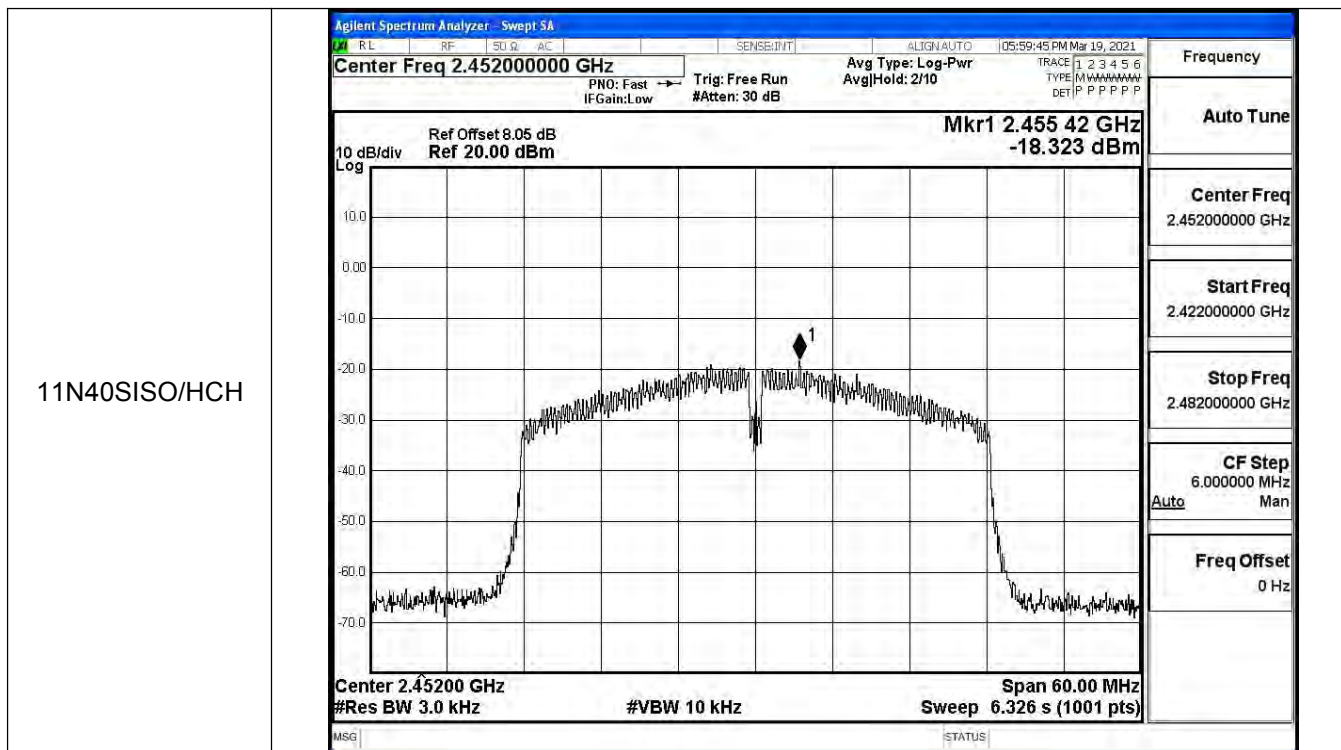


11N40SISO/LCH



11N40SISO/MCH



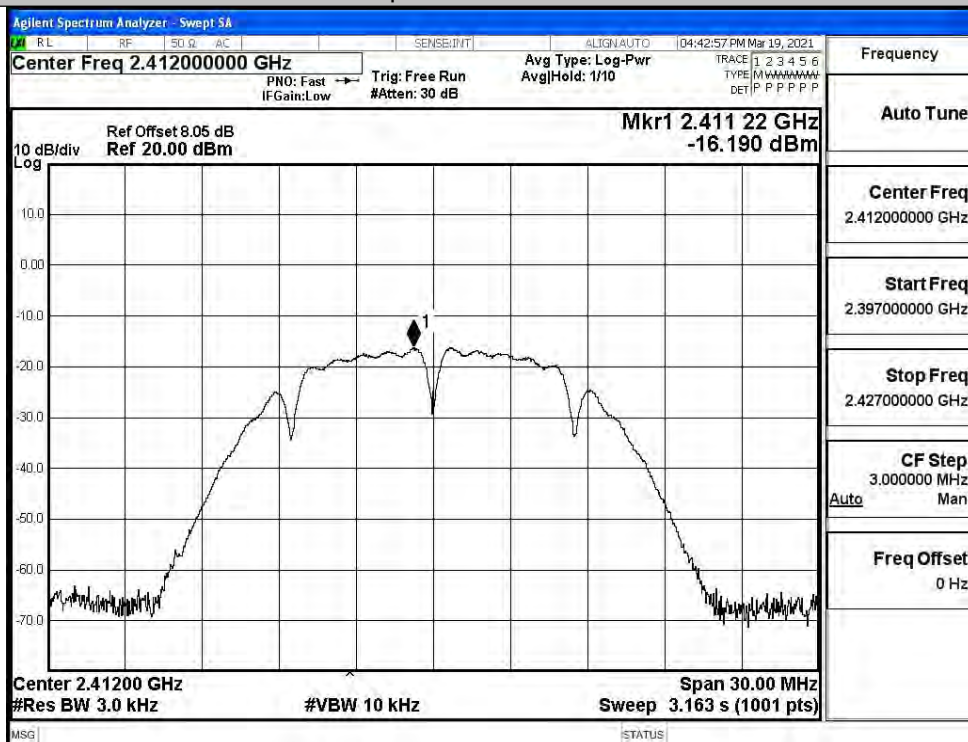


Ant1

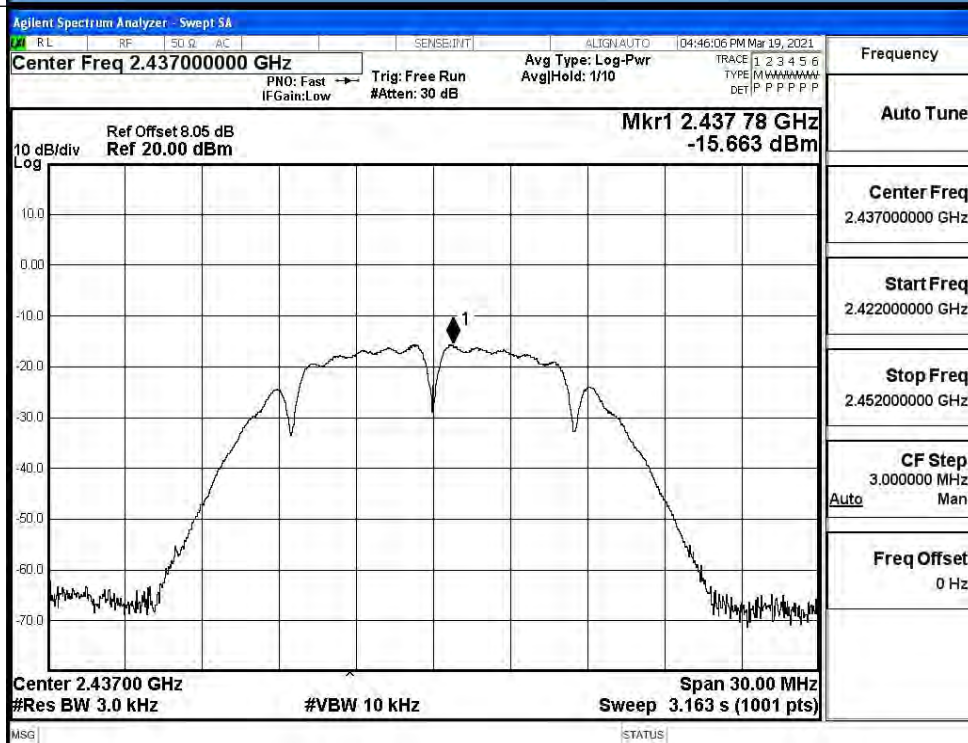
Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-16.190	8	PASS
	MCH	-15.663	8	PASS
	HCH	-15.619	8	PASS
11G	LCH	-17.510	8	PASS
	MCH	-16.966	8	PASS
	HCH	-18.621	8	PASS
11N20SISO	LCH	-18.532	8	PASS
	MCH	-16.869	8	PASS
	HCH	-18.762	8	PASS
11N40SISO	LCH	-19.499	8	PASS
	MCH	-16.984	8	PASS
	HCH	-13.921	8	PASS

Test Graphs

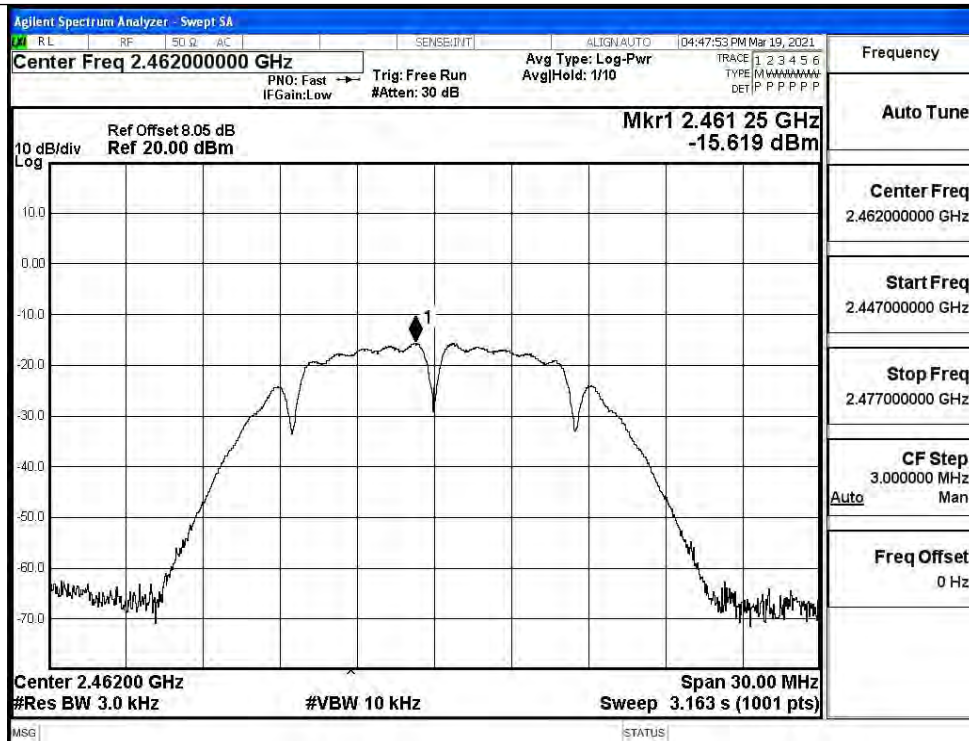
11B/LCH



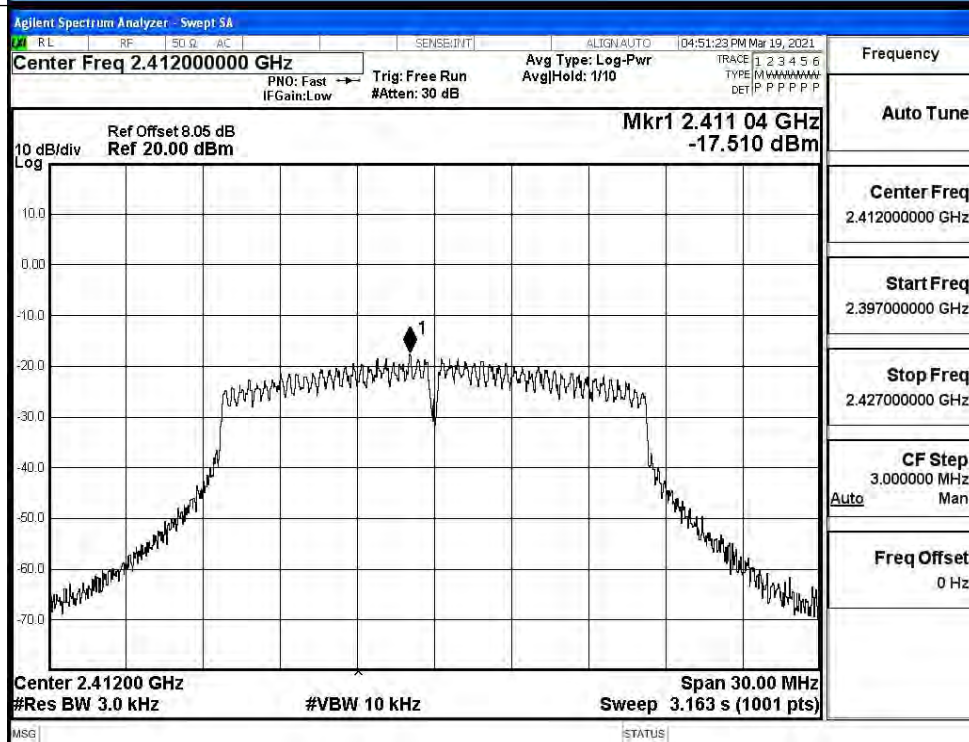
11B/MCH



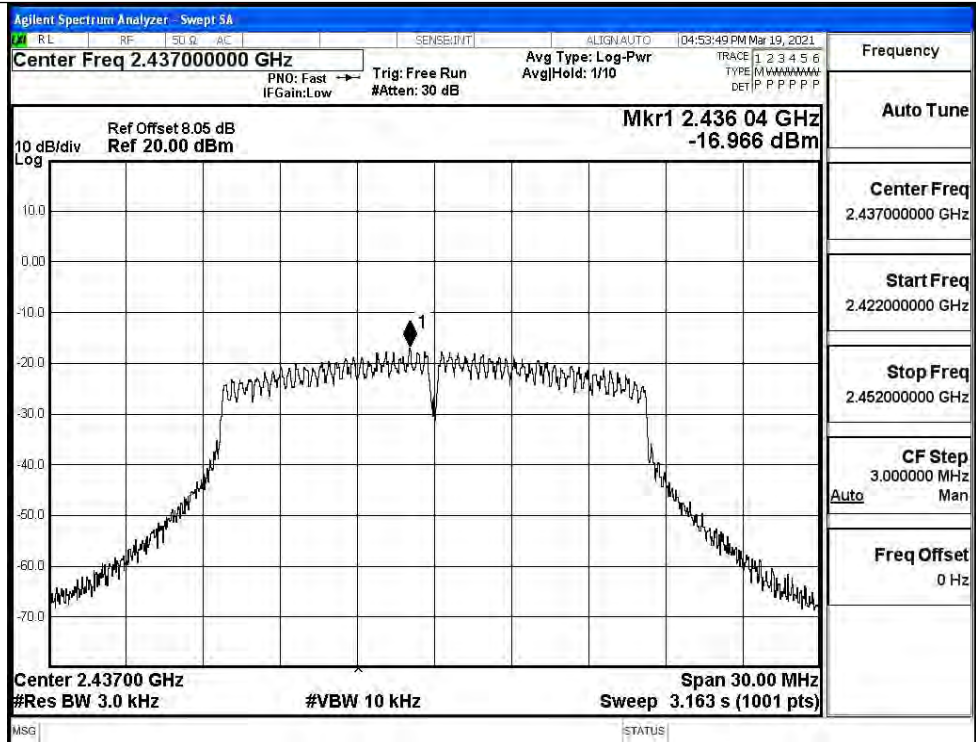
11B/HCH



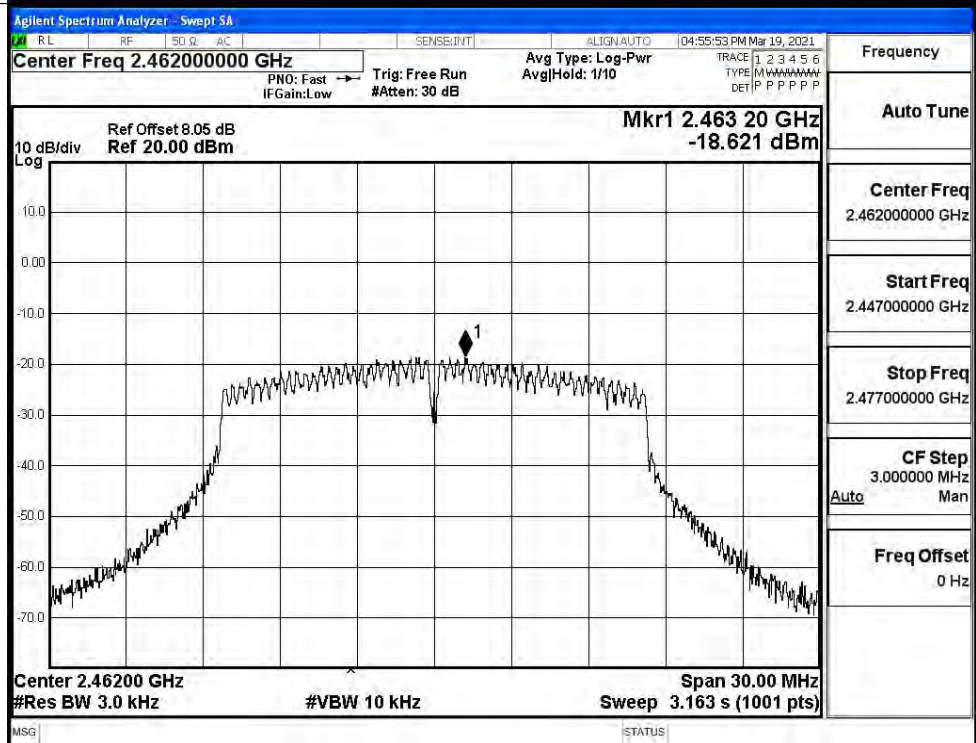
11G/LCH



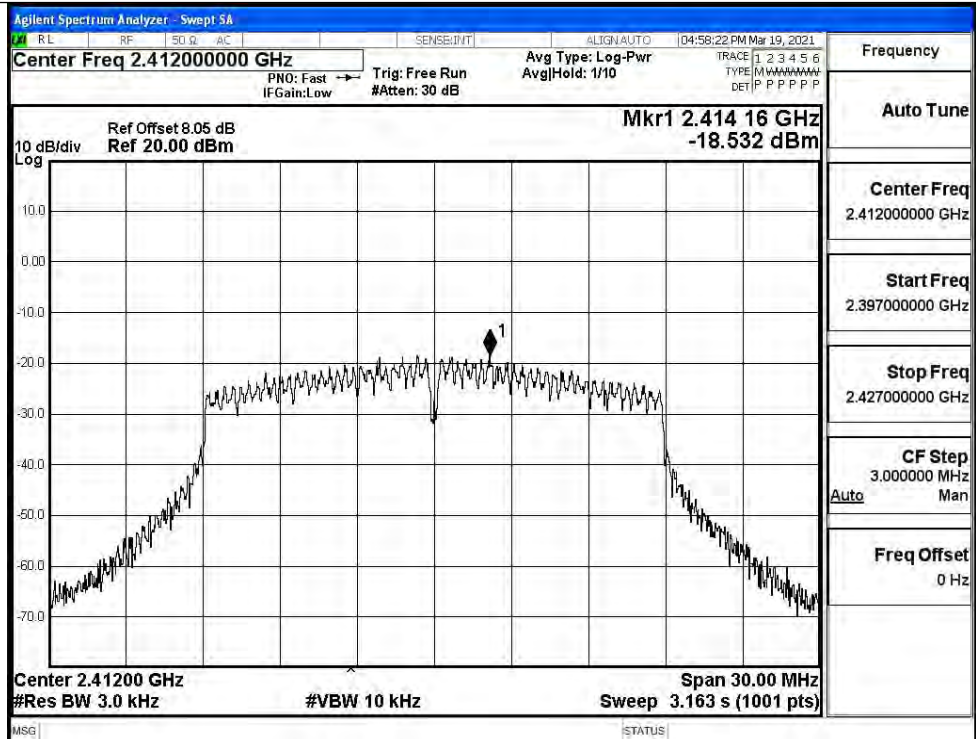
11G/MCH



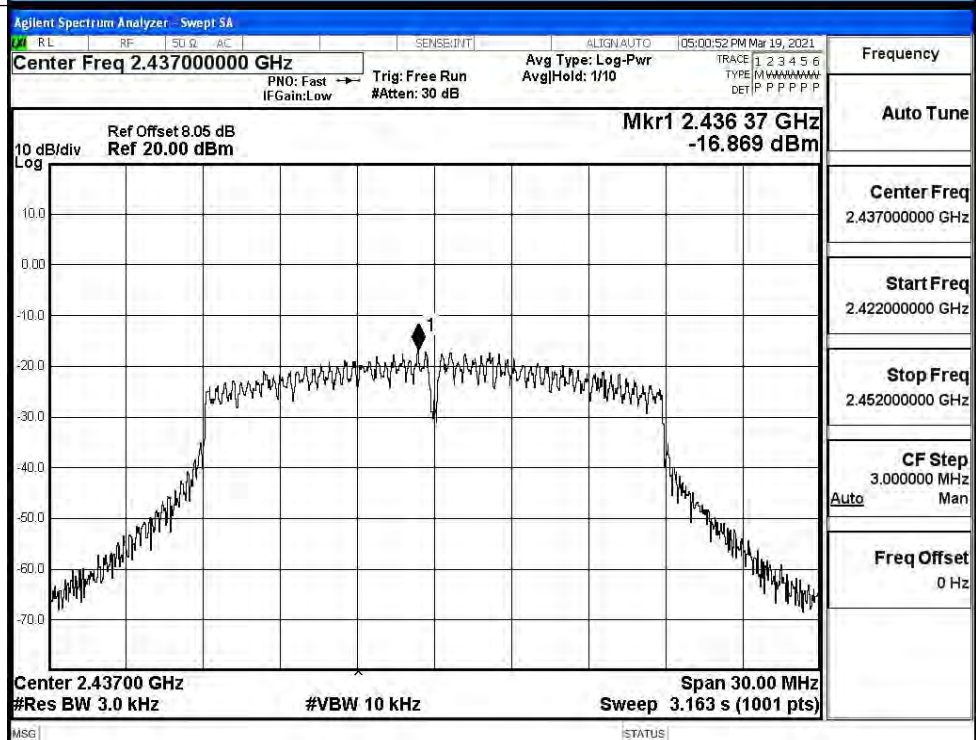
11G/HCH



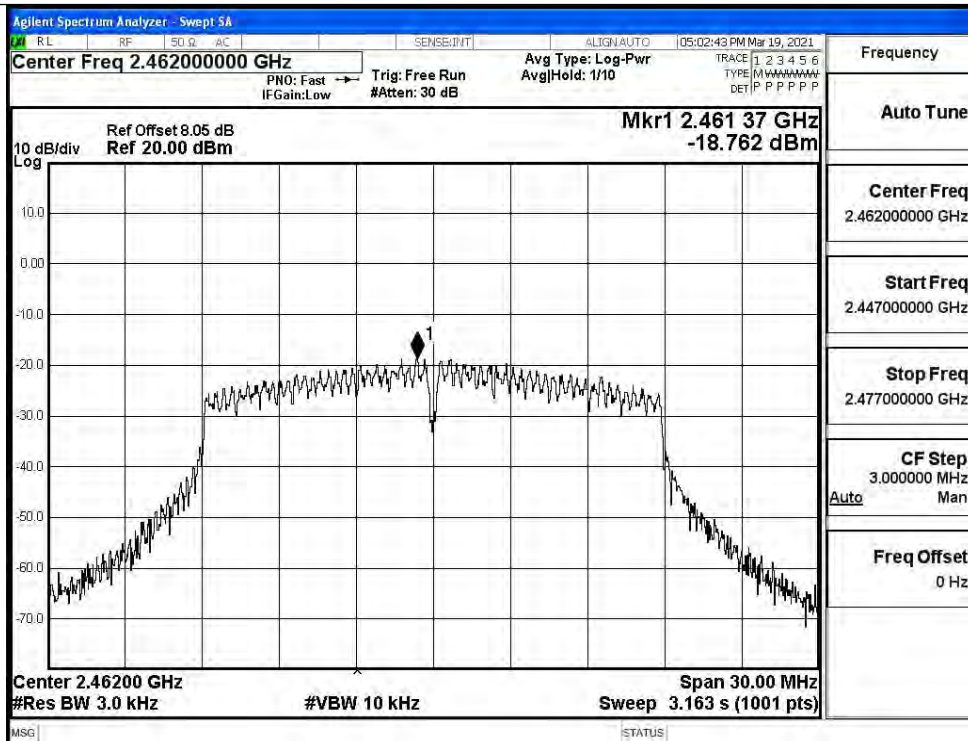
11N20SISO/LCH



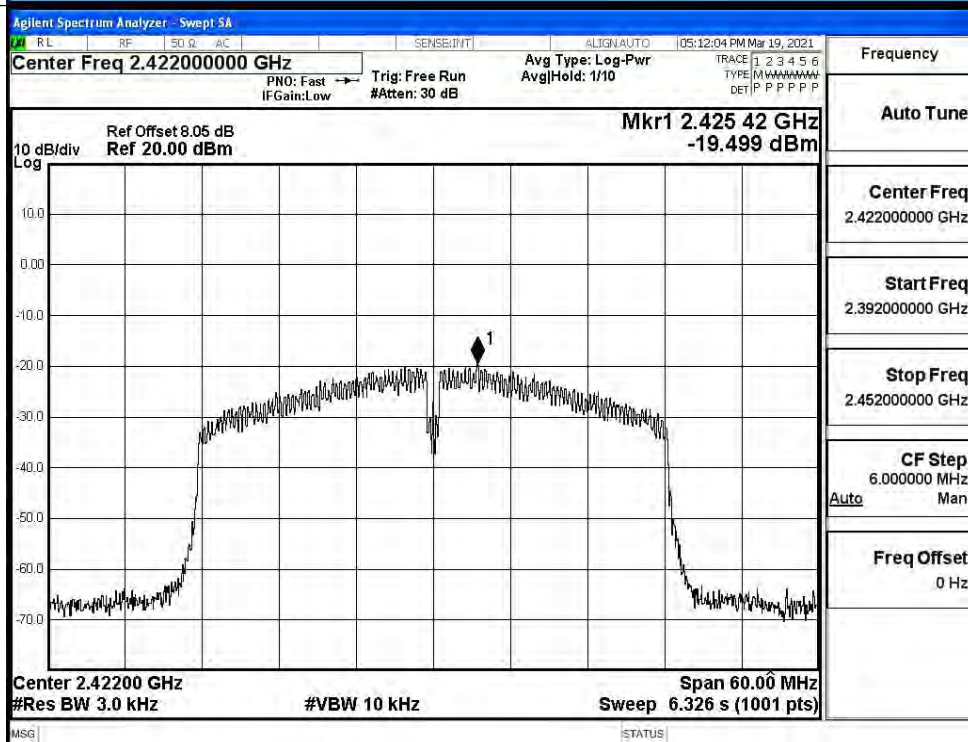
11N20SISO/MCH



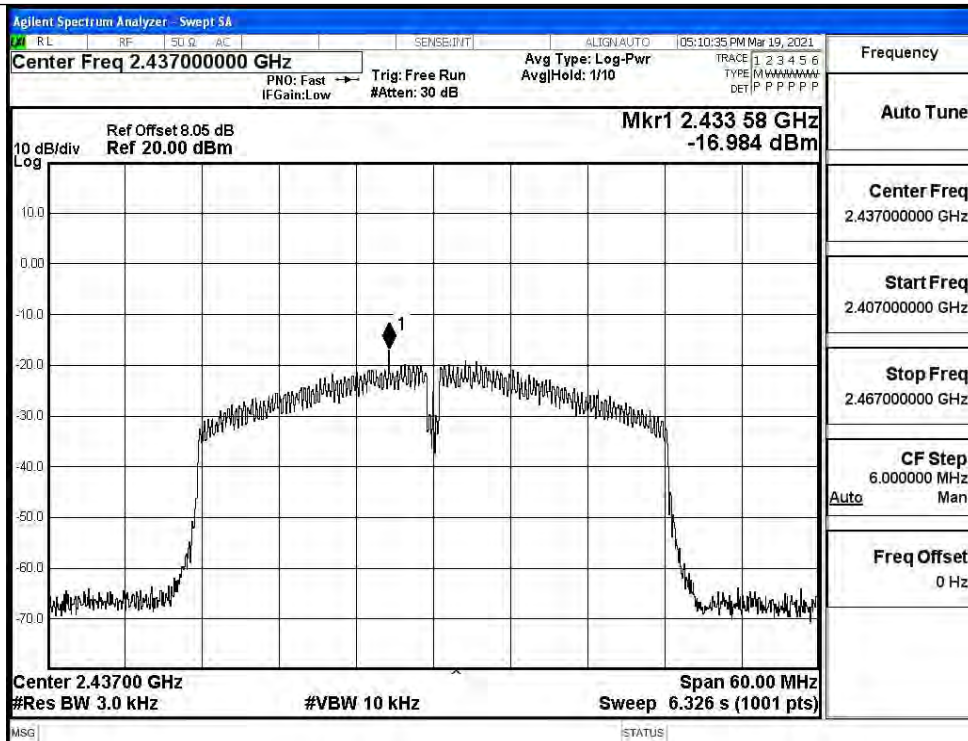
11N20SISO/HCH



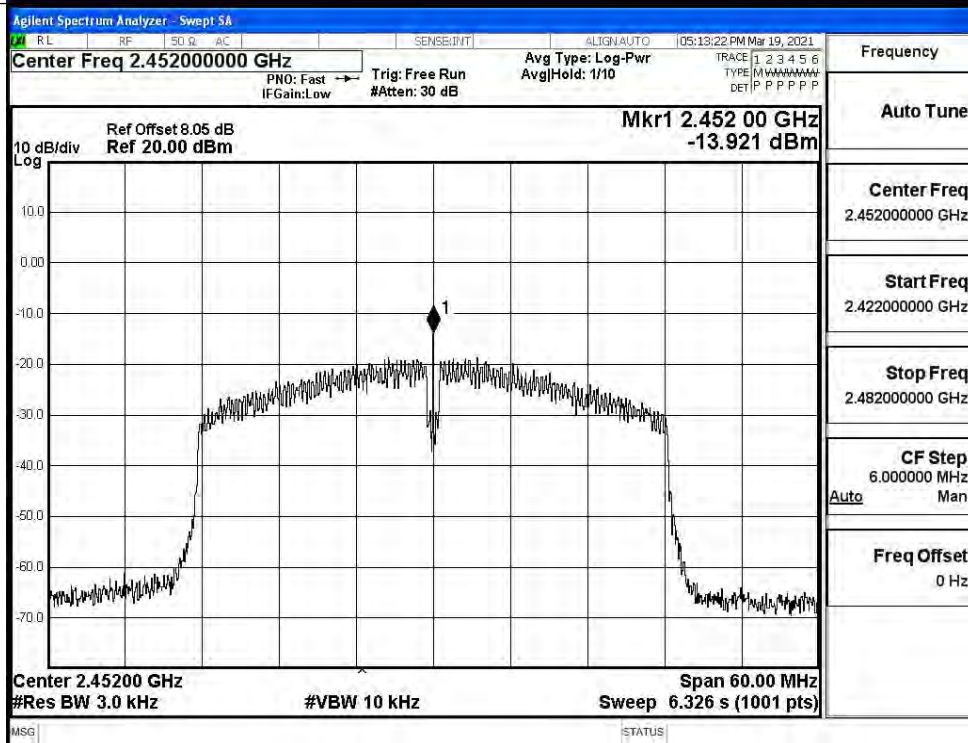
11N40SISO/LCH



11N40SISO/MCH



11N40SISO/HCH



Combined Ant_0 and Ant_1

Mode	Channel	Result [dBm/3KHz]			Limit [dBm/3KHz]	Verdict
		Ant_0	Ant_1	Sum		
11N20	LCH	-18.037	-18.532	-15.267	5.99	PASS
	MCH	-17.413	-16.869	-14.122	5.99	PASS
	HCH	-17.877	-18.762	-15.287	5.99	PASS
11N40	LCH	-17.050	-19.499	-15.094	5.99	PASS
	MCH	-18.761	-16.984	-14.772	5.99	PASS
	HCH	-18.323	-13.921	-12.576	5.99	PASS

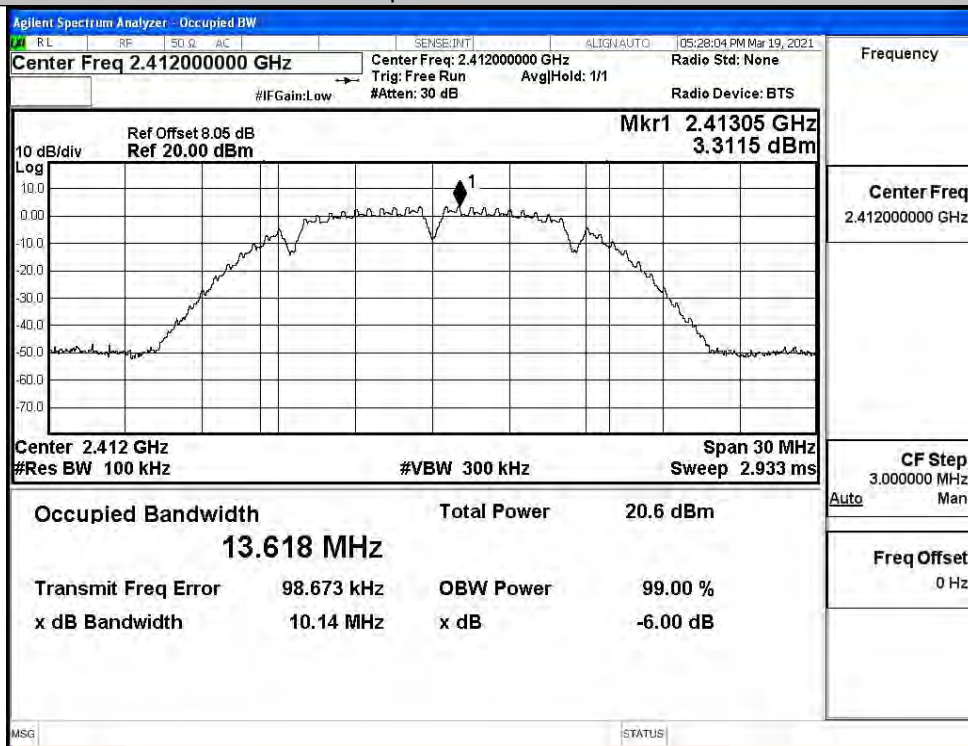
C.4 6dB Bandwidth

Ant0

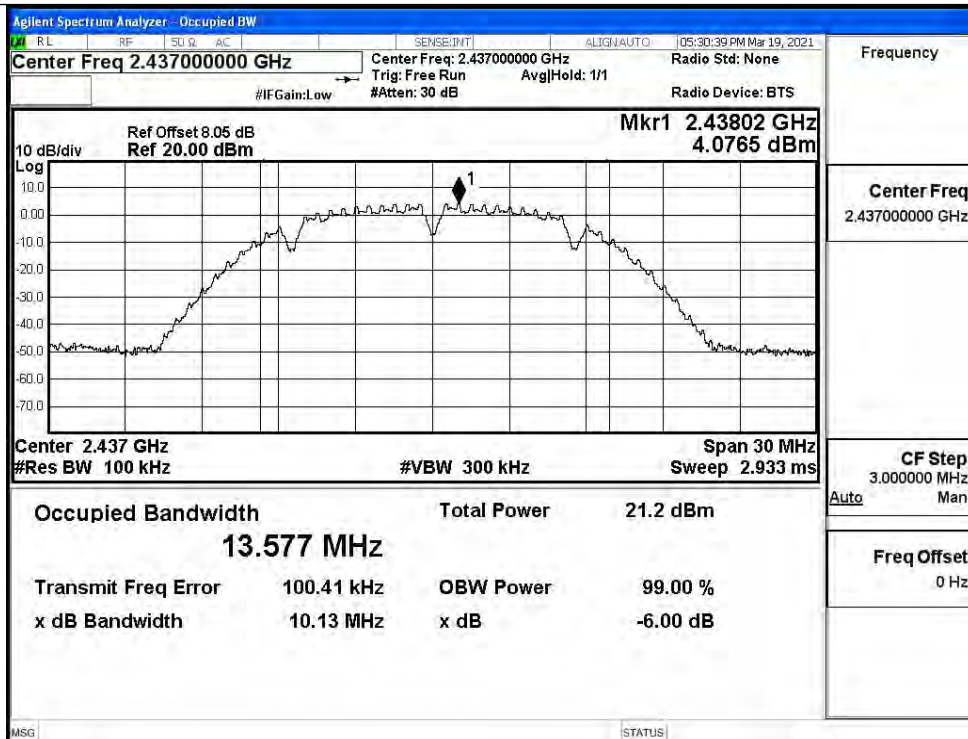
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.14	≥ 0.5	PASS
	MCH	10.13	≥ 0.5	PASS
	HCH	10.14	≥ 0.5	PASS
11G	LCH	15.75	≥ 0.5	PASS
	MCH	14.83	≥ 0.5	PASS
	HCH	15.74	≥ 0.5	PASS
11N20SISO	LCH	16.30	≥ 0.5	PASS
	MCH	16.30	≥ 0.5	PASS
	HCH	16.30	≥ 0.5	PASS
11N40SISO	LCH	25.09	≥ 0.5	PASS
	MCH	25.12	≥ 0.5	PASS
	HCH	26.29	≥ 0.5	PASS

Test Graphs

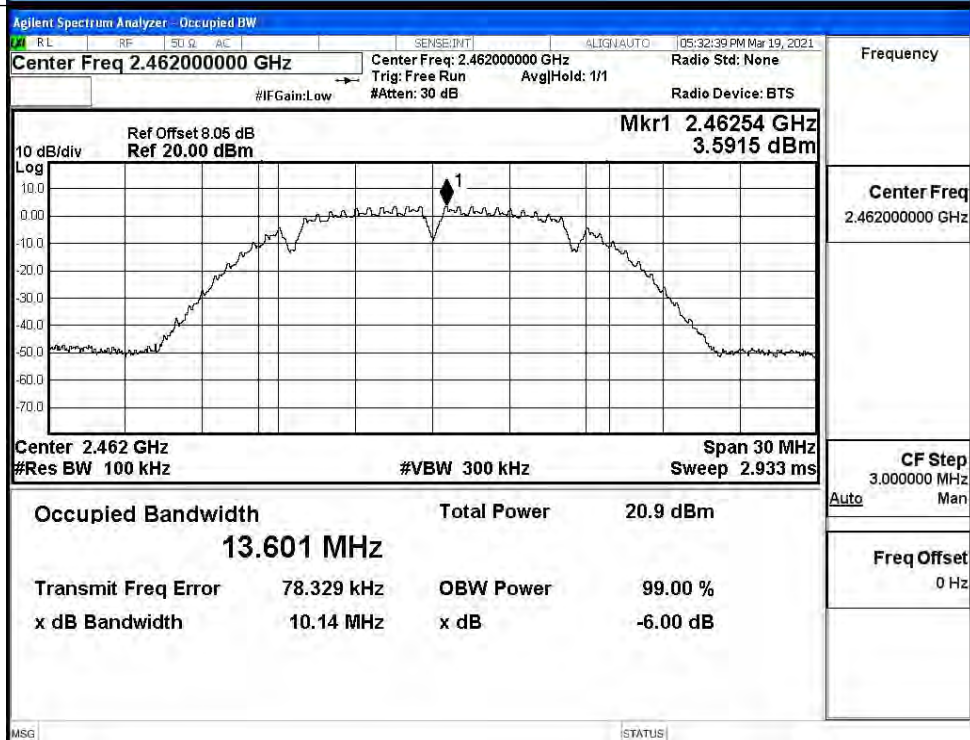
11B/LCH



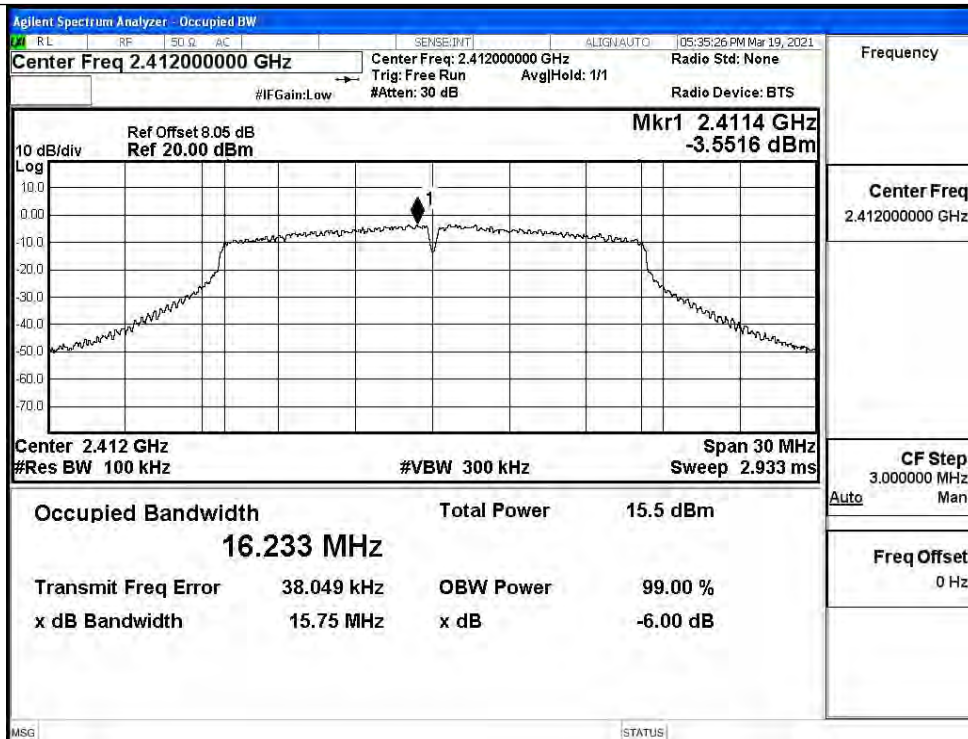
11B/MCH



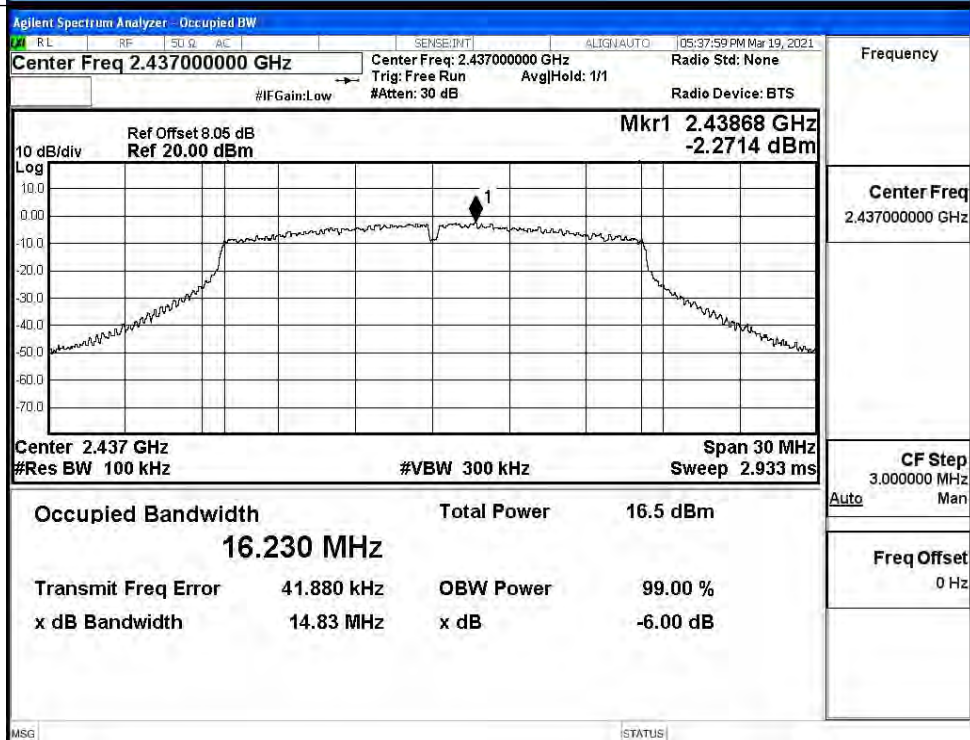
11B/HCH



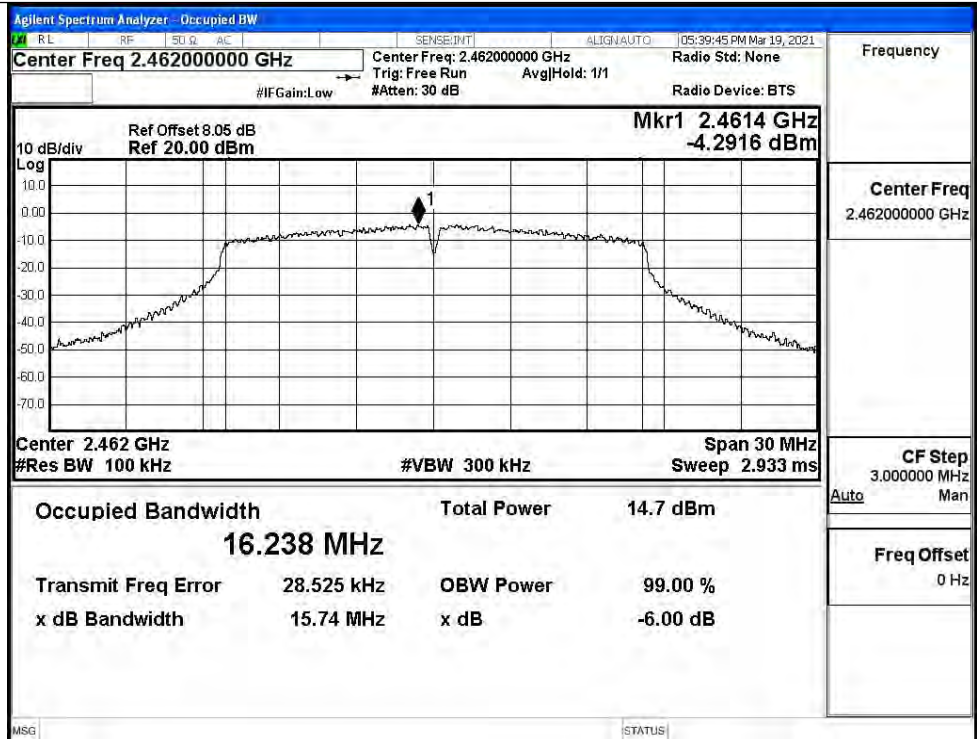
11G/LCH



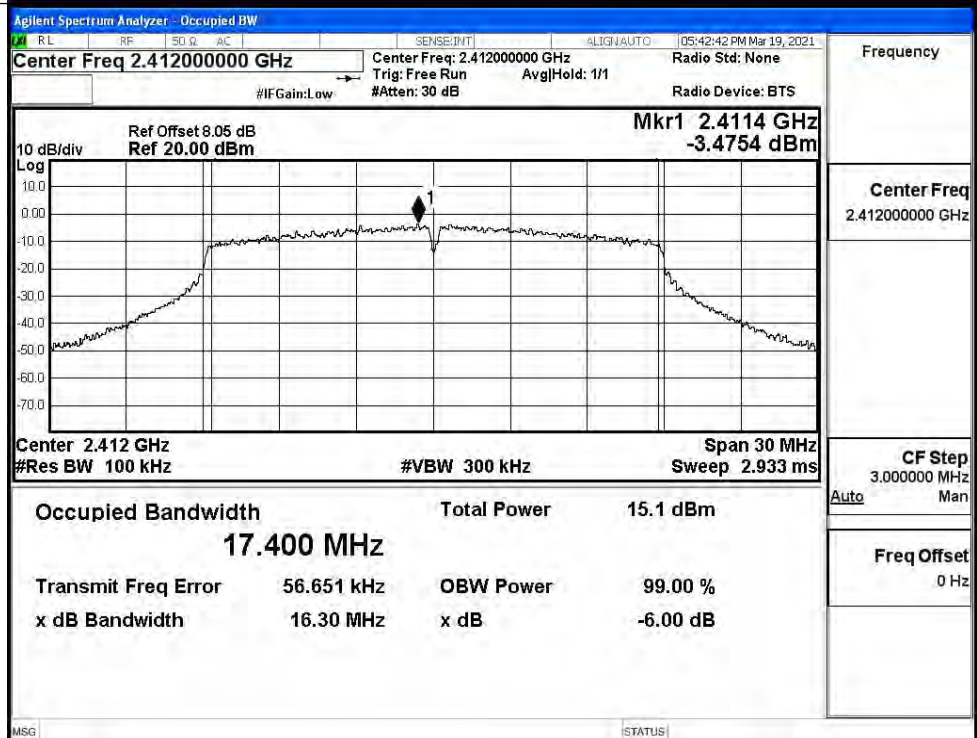
11G/MCH



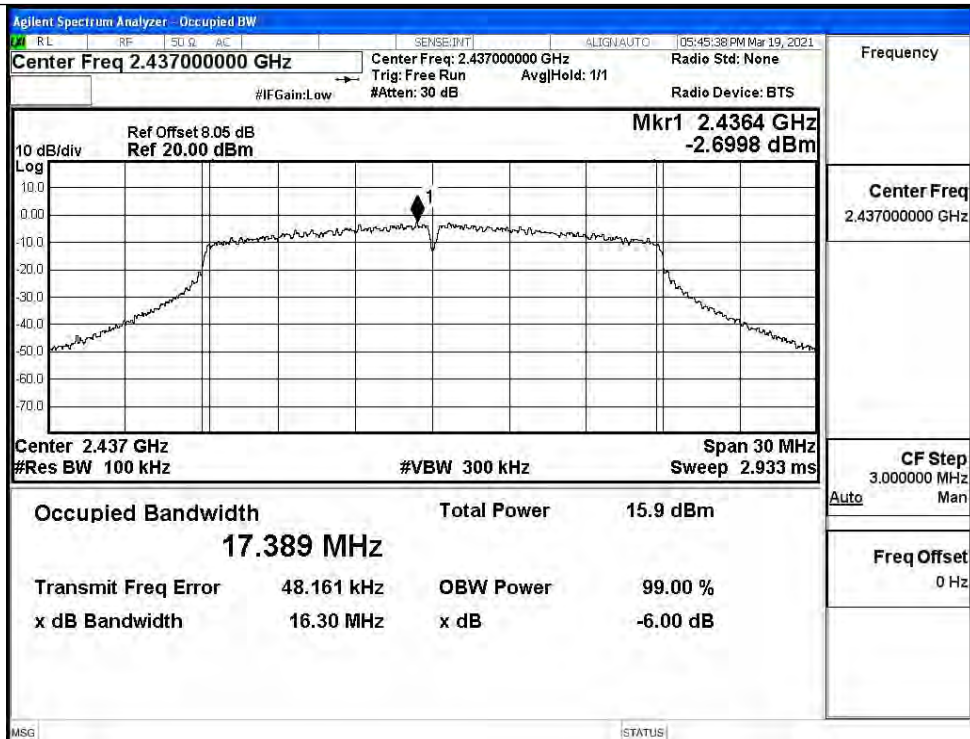
11G/HCH



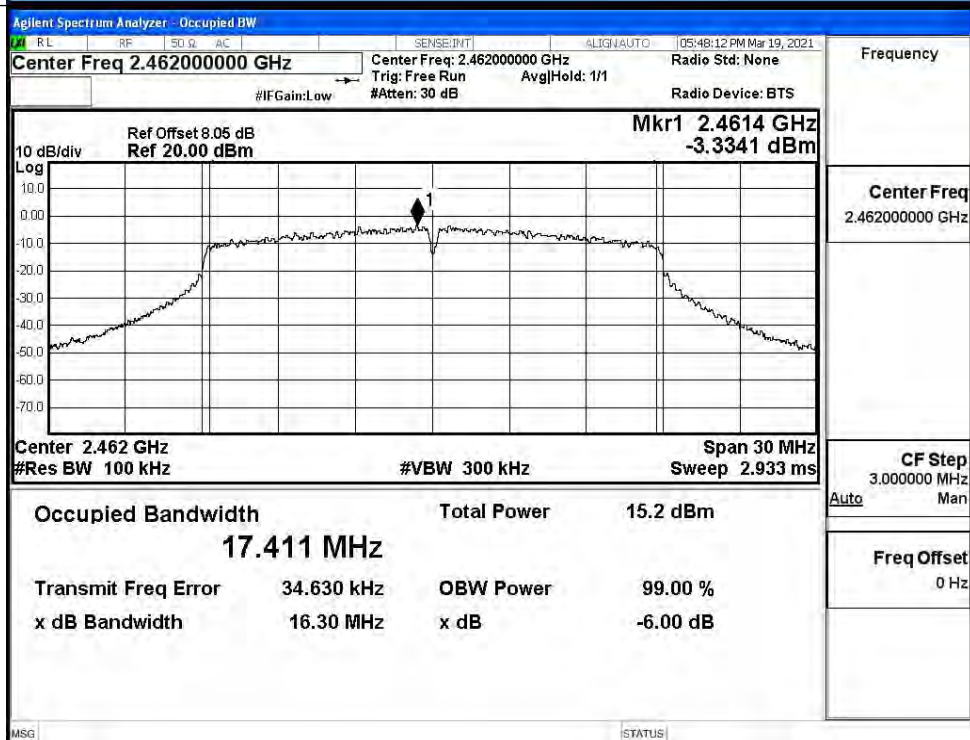
11N20SISO/LCH



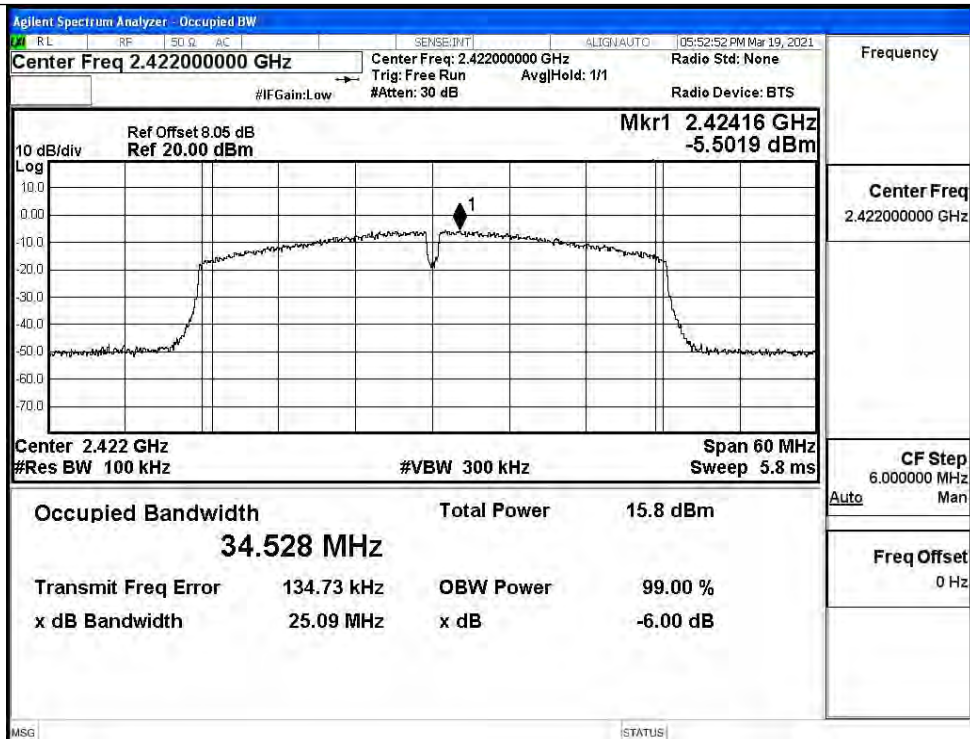
11N20SISO/MCH



11N20SISO/HCH



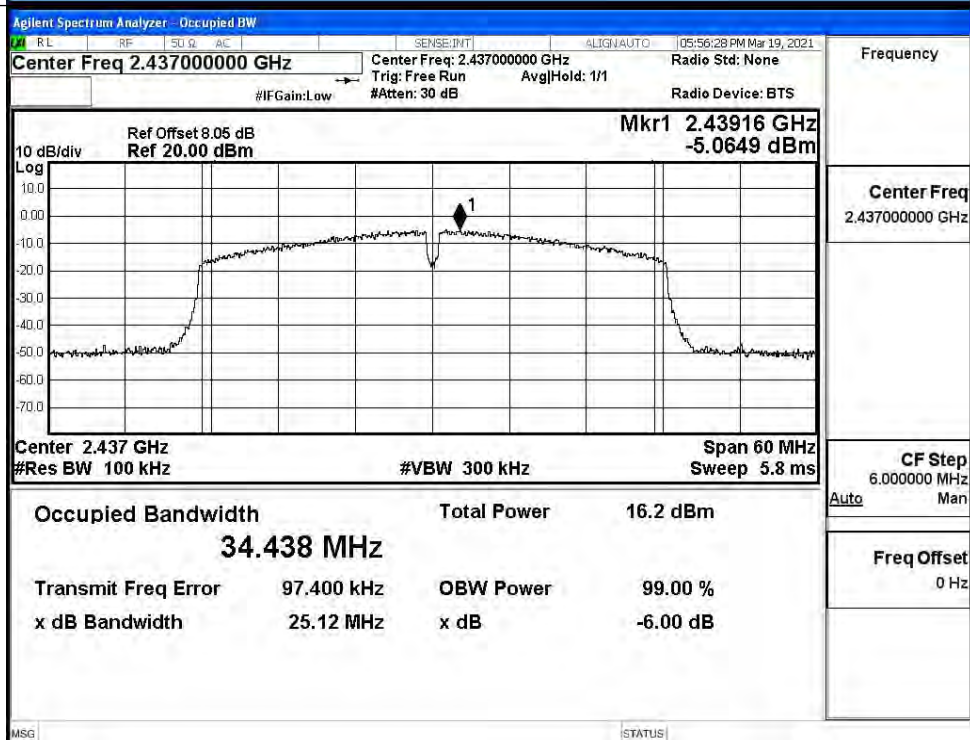
11N40SISO/LCH



Frequency

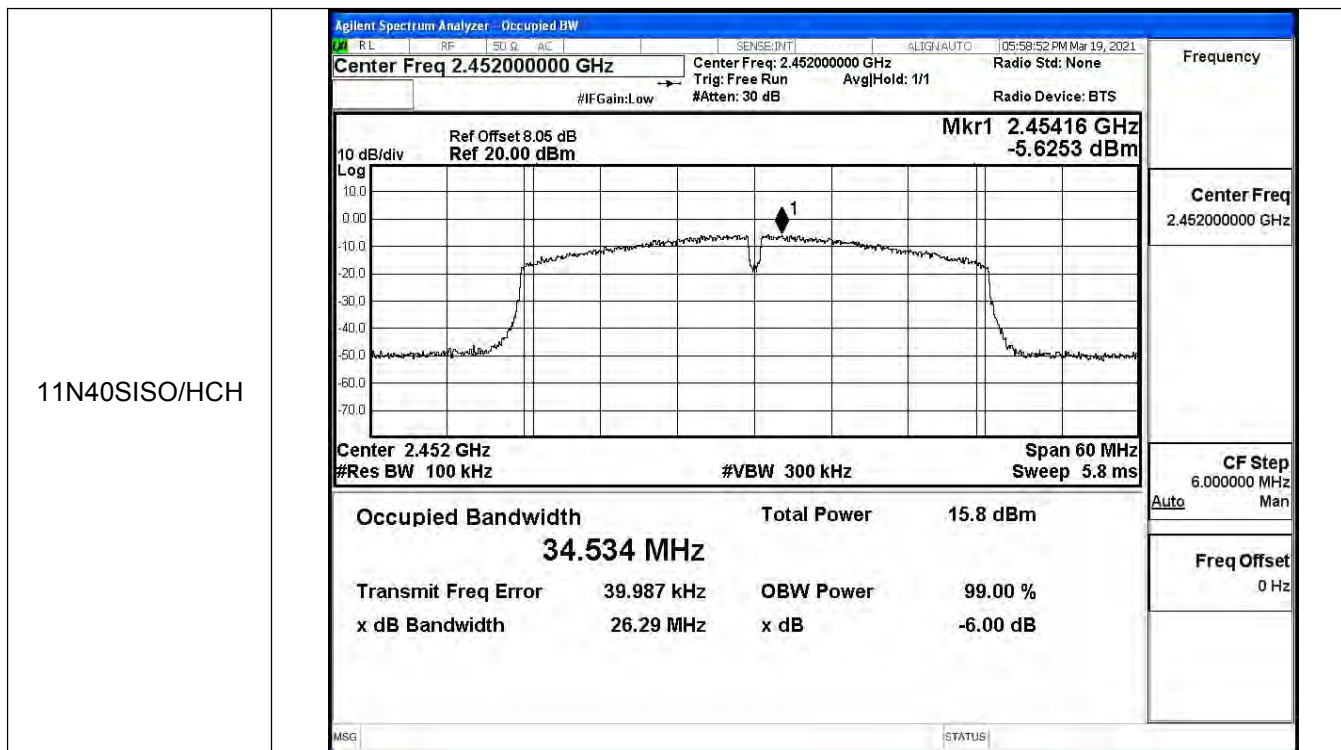
Center Freq
2.422000000 GHzCF Step
6.000000 MHz
Auto ManFreq Offset
0 Hz

11N40SISO/MCH



Frequency

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

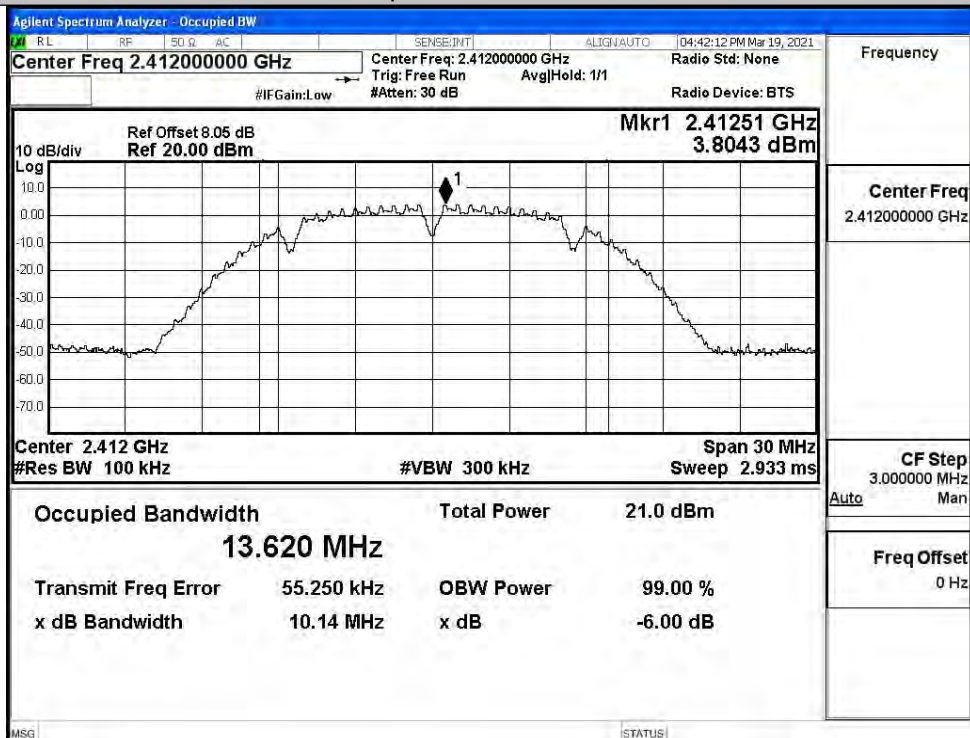


Ant1

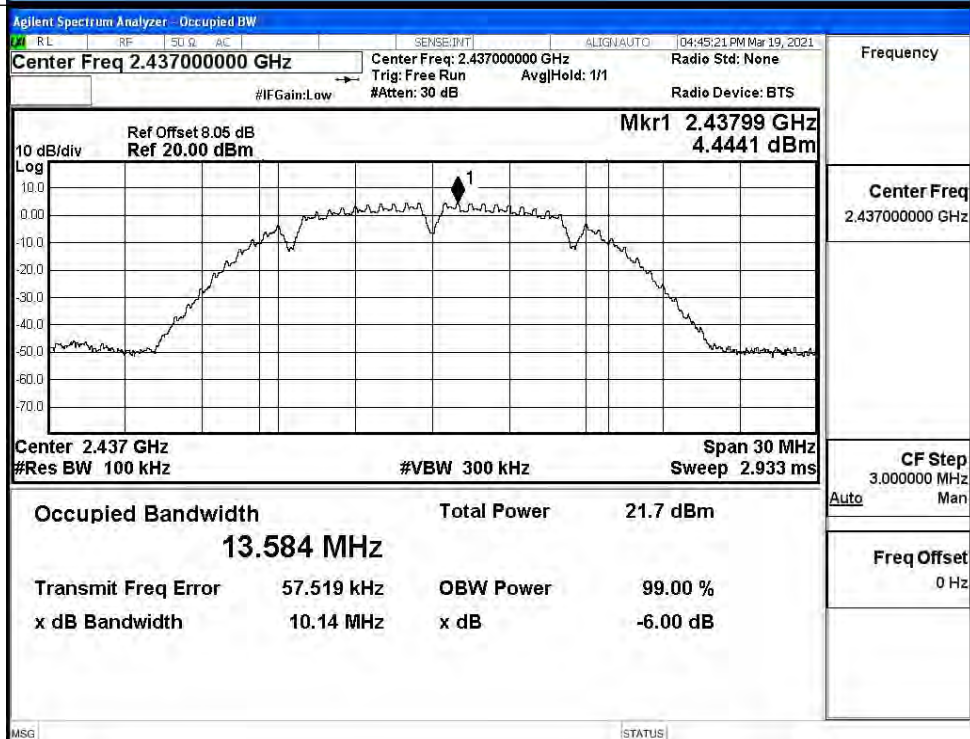
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.14	≥ 0.5	PASS
	MCH	10.14	≥ 0.5	PASS
	HCH	10.14	≥ 0.5	PASS
11G	LCH	15.73	≥ 0.5	PASS
	MCH	15.73	≥ 0.5	PASS
	HCH	15.72	≥ 0.5	PASS
11N20SISO	LCH	16.30	≥ 0.5	PASS
	MCH	16.29	≥ 0.5	PASS
	HCH	16.29	≥ 0.5	PASS
11N40SISO	LCH	25.14	≥ 0.5	PASS
	MCH	25.87	≥ 0.5	PASS
	HCH	23.88	≥ 0.5	PASS

Test Graphs

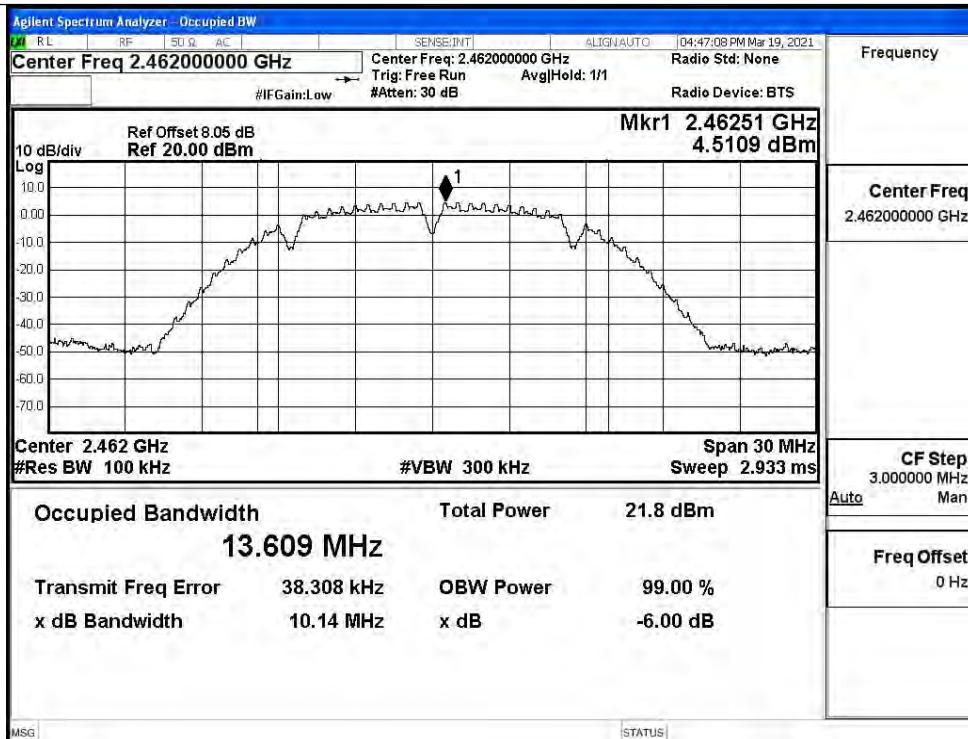
11B/LCH



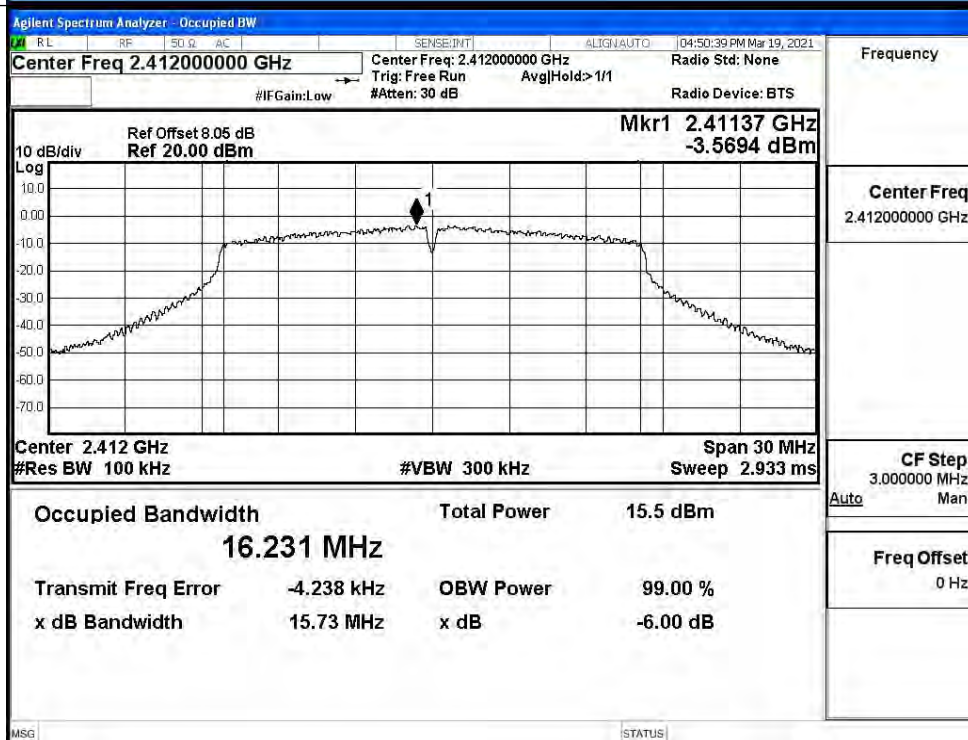
11B/MCH



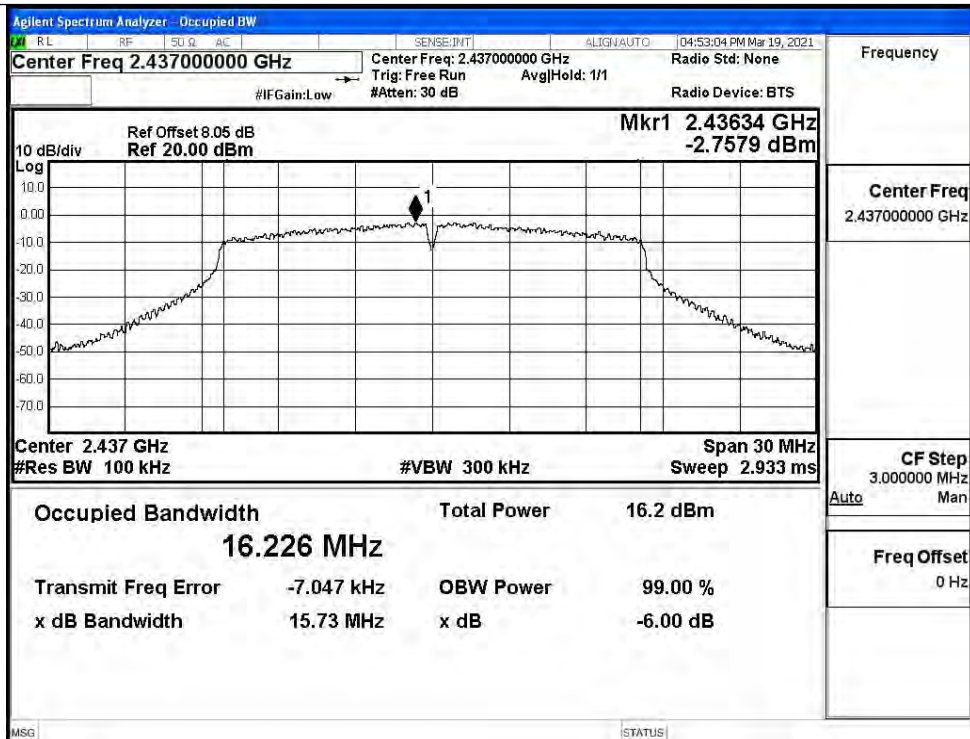
11B/HCH



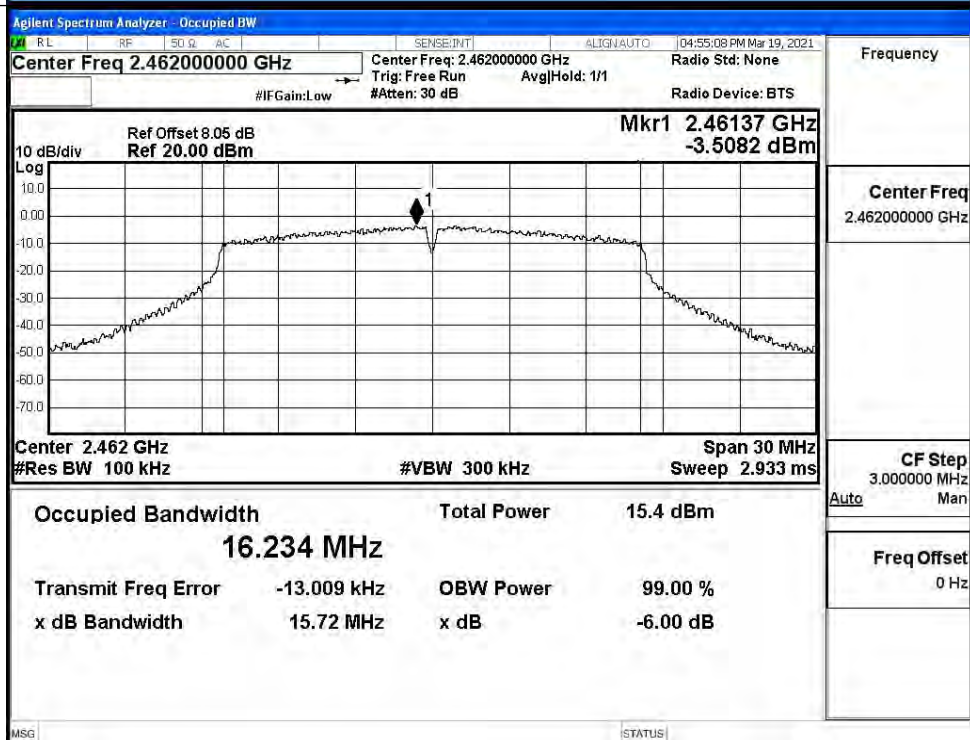
11G/LCH



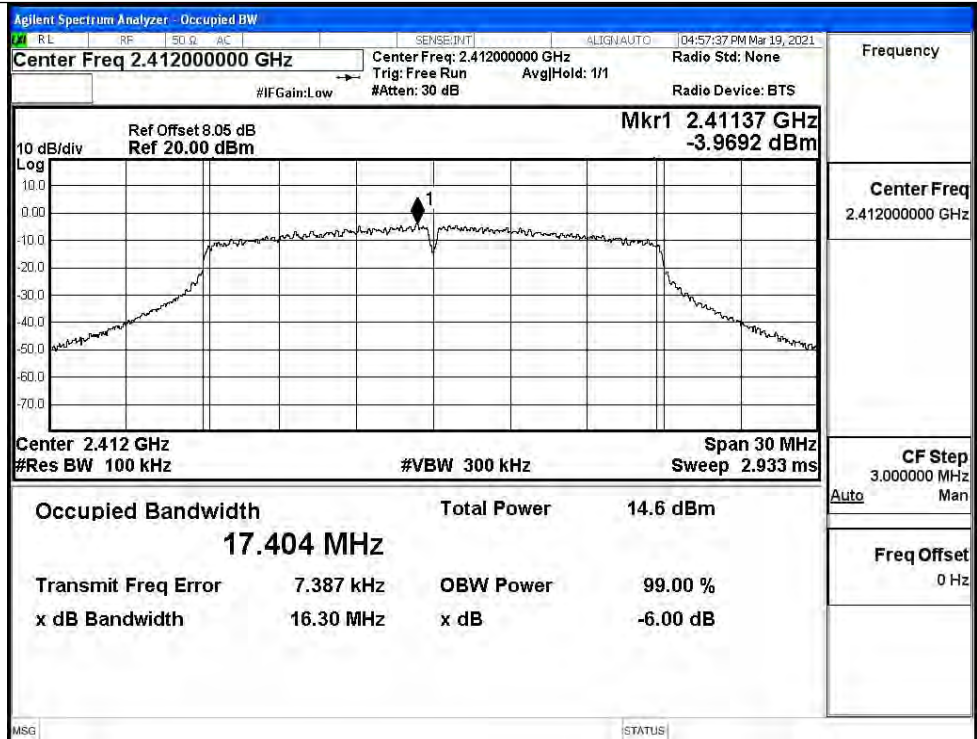
11G/MCH



11G/HCH



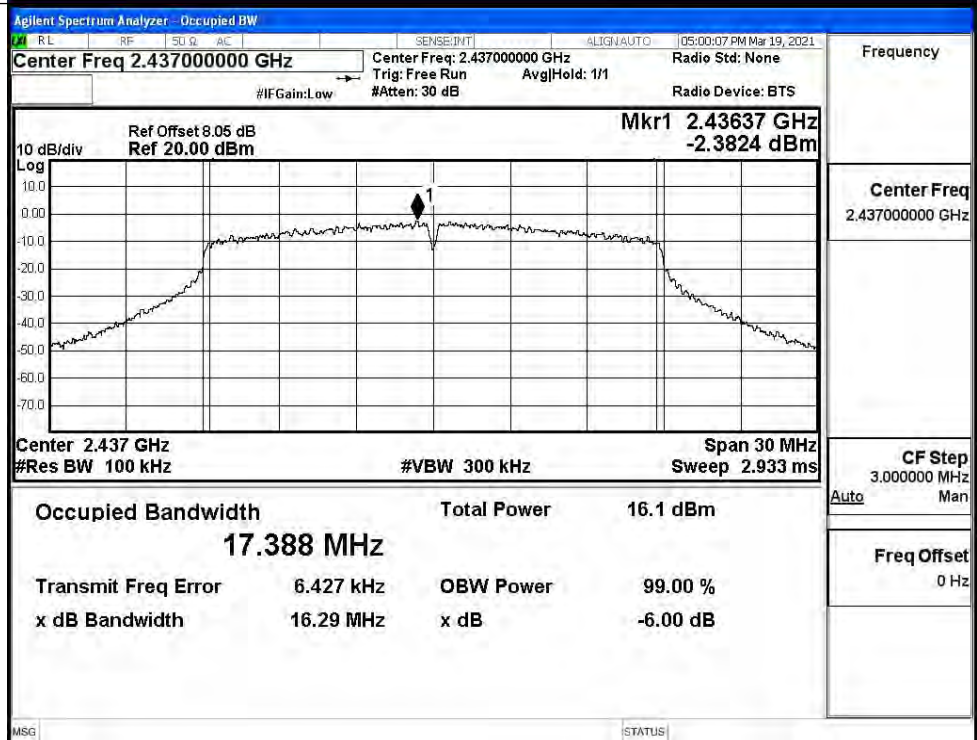
11N20SISO/LCH



Frequency

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

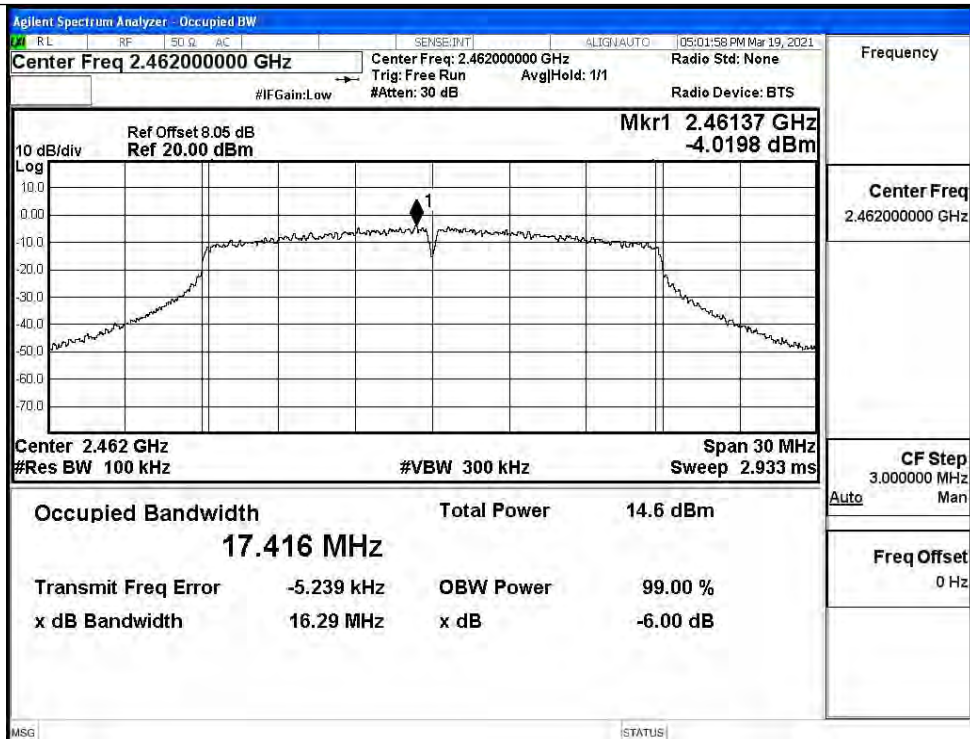
11N20SISO/MCH



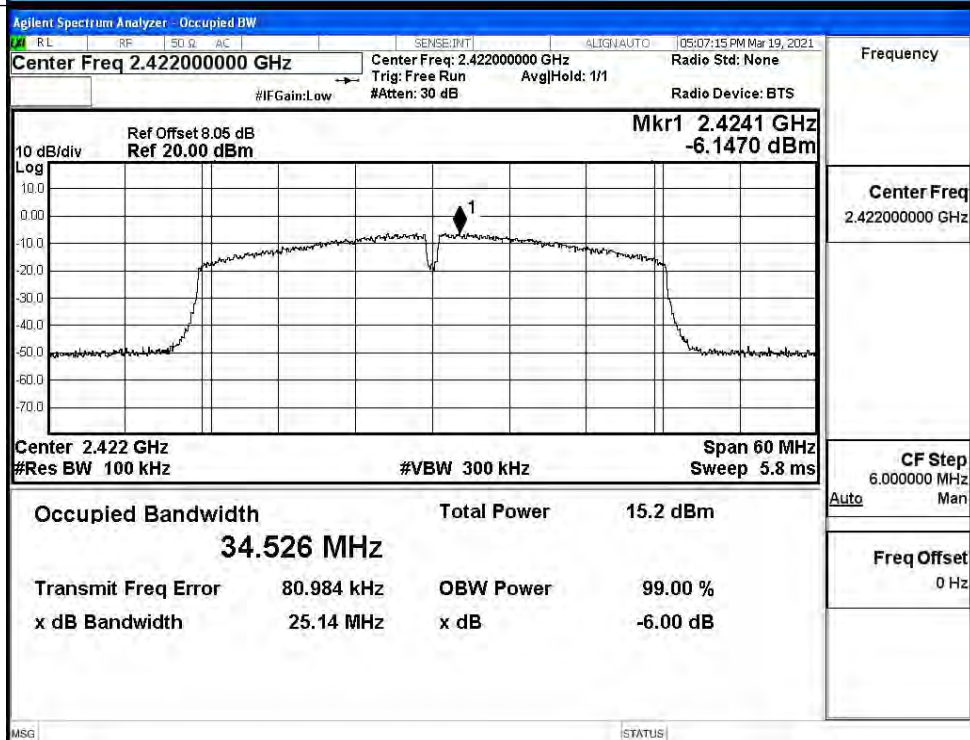
Frequency

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

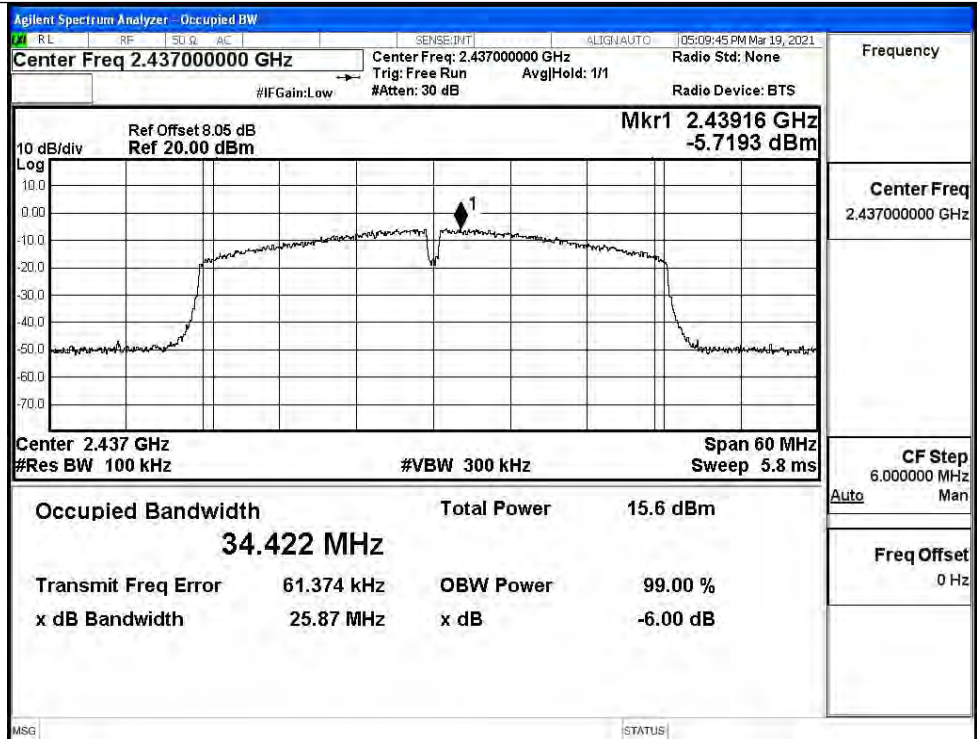
11N20SISO/HCH



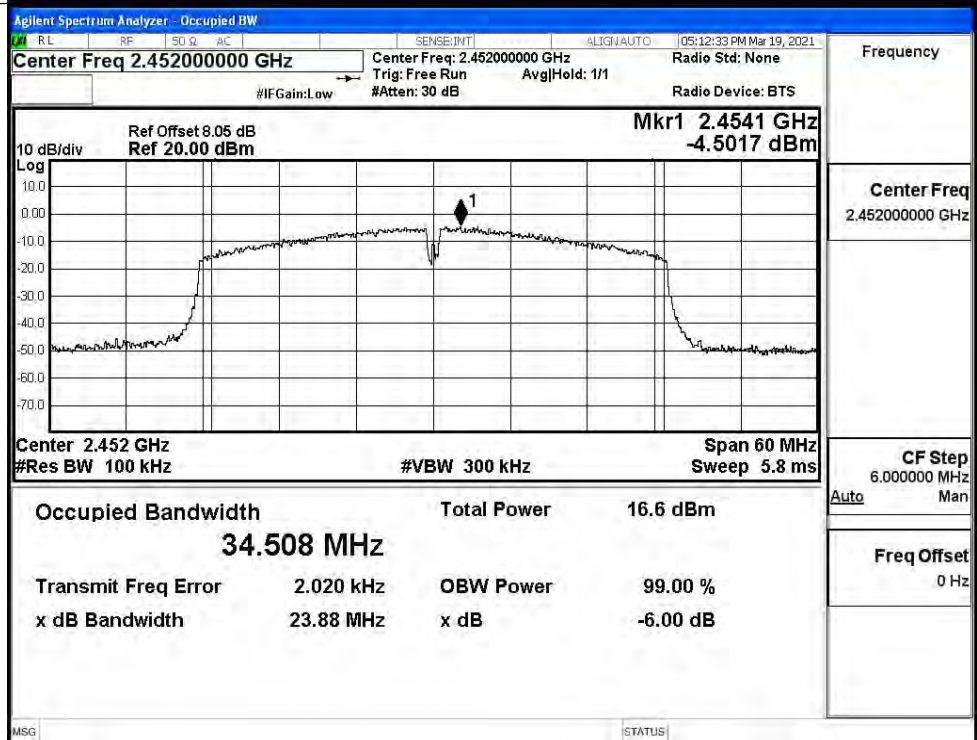
11N40SISO/LCH



11N40SISO/MCH



11N40SISO/HCH



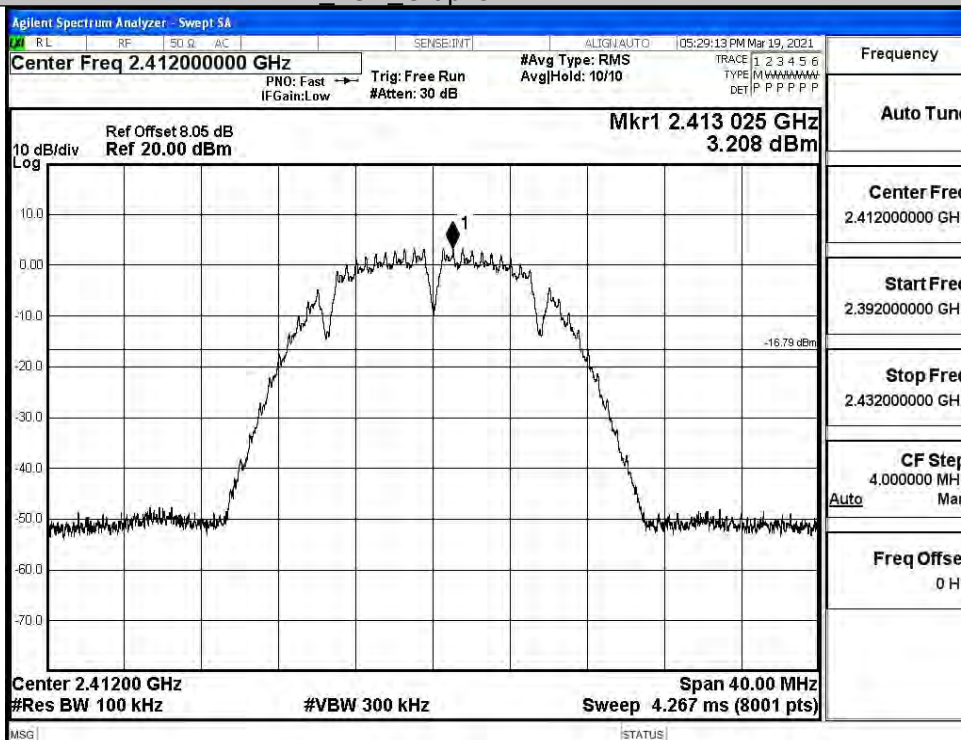
C.5 RF Conducted Spurious Emissions

Ant0

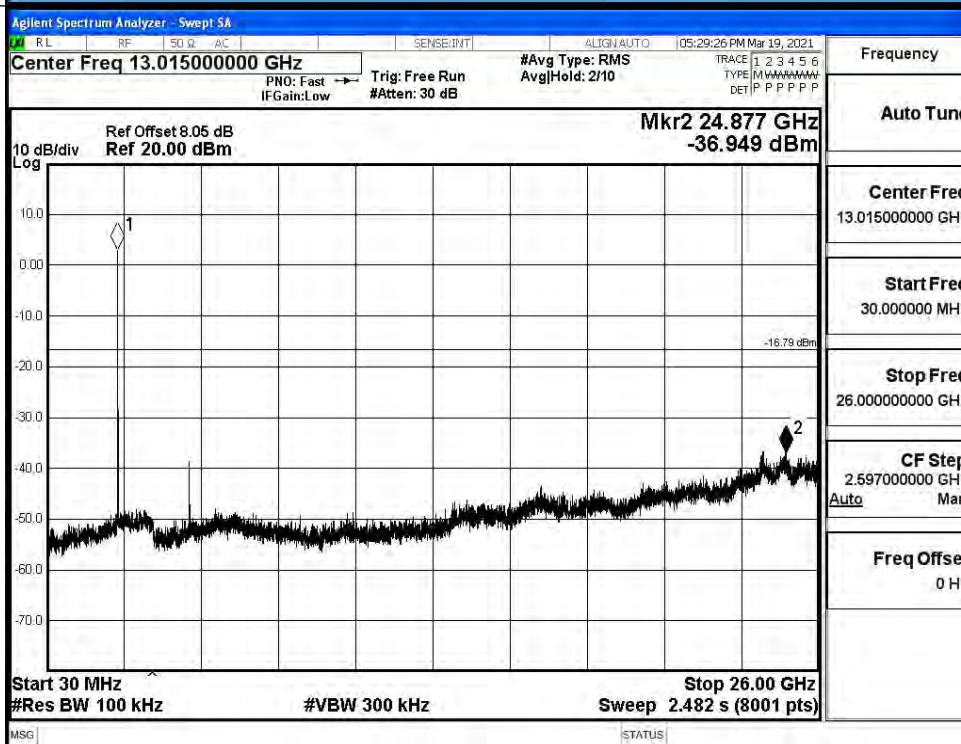
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	3.208	-36.949	-16.792	PASS
	MCH	3.951	-37.473	-16.049	PASS
	HCH	3.443	-37.263	-16.557	PASS
11G	LCH	-3.686	-36.884	-23.686	PASS
	MCH	-2.4	-37.416	-22.400	PASS
	HCH	-4.462	-37.647	-24.462	PASS
11N20 SISO	LCH	-3.551	-36.290	-23.551	PASS
	MCH	-3.283	-37.699	-23.283	PASS
	HCH	-3.391	-35.563	-23.391	PASS
11N40 SISO	LCH	-5.671	-37.679	-25.671	PASS
	MCH	-5.029	-36.933	-25.029	PASS
	HCH	-5.73	-37.925	-25.730	PASS

11B LCH Graphs

Pref/11B/LCH

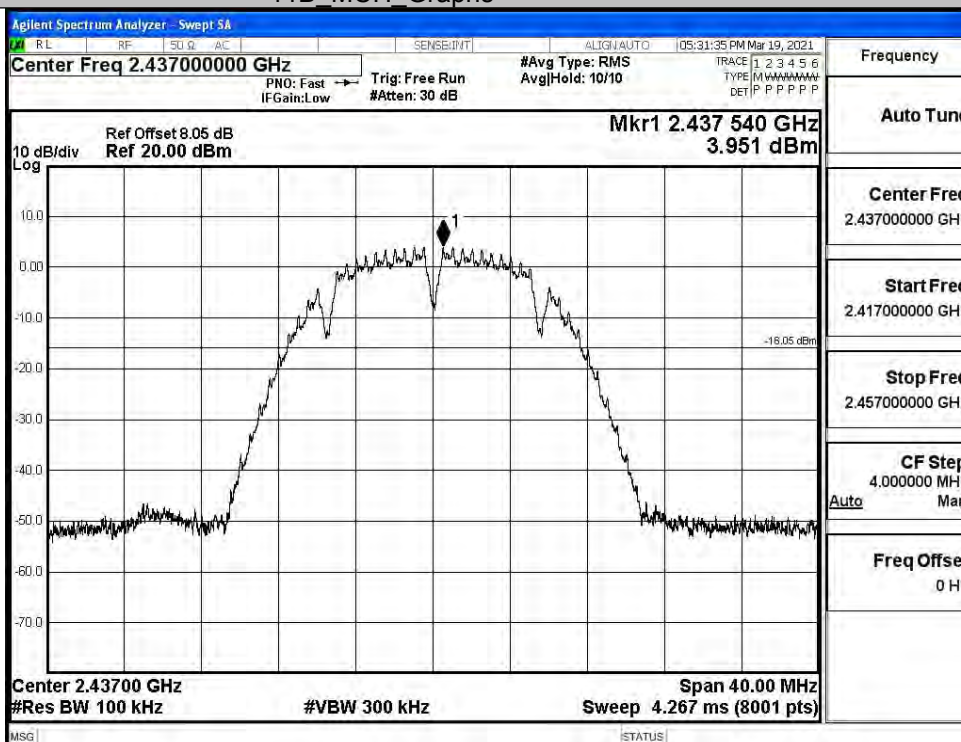


Puw/11B/LCH

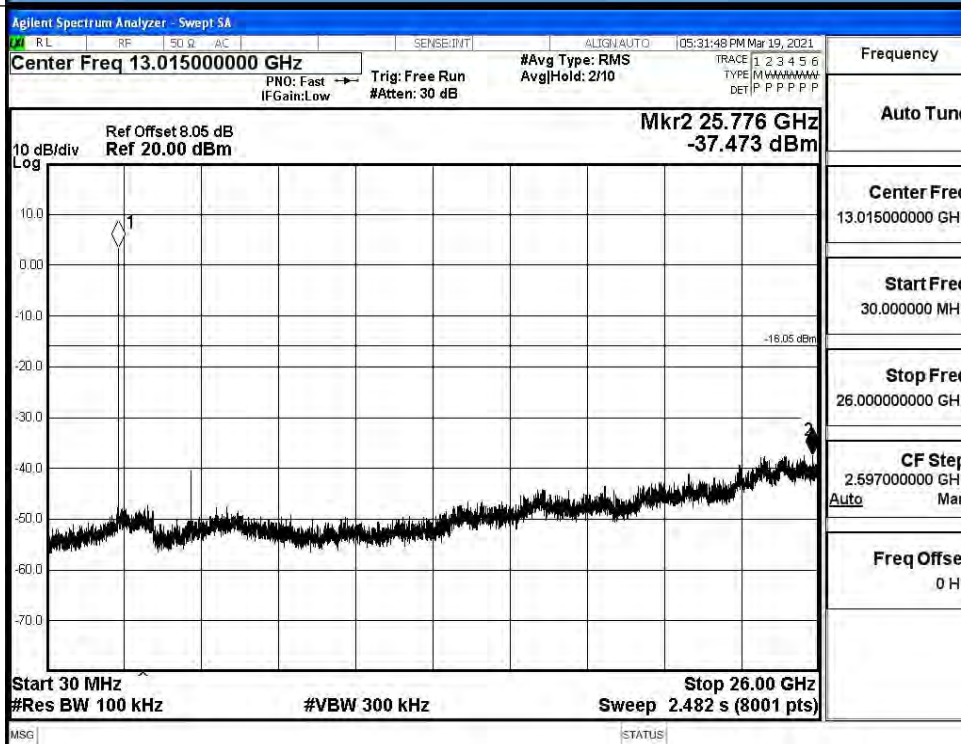


11B MCH Graphs

Pref/11B/MCH

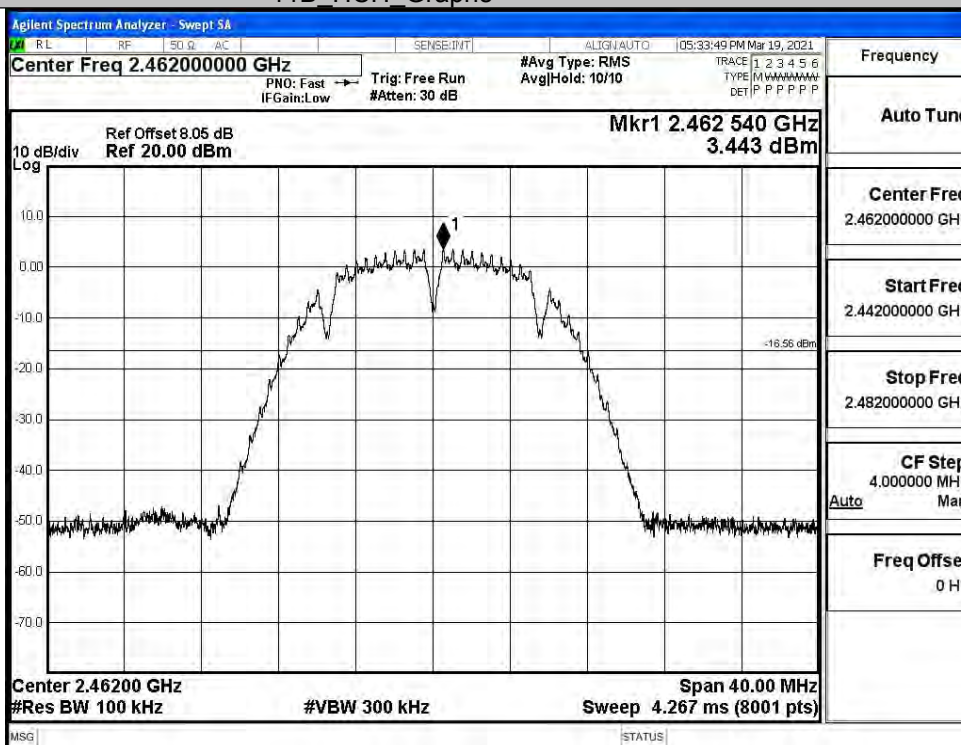


Puw/11B/MCH

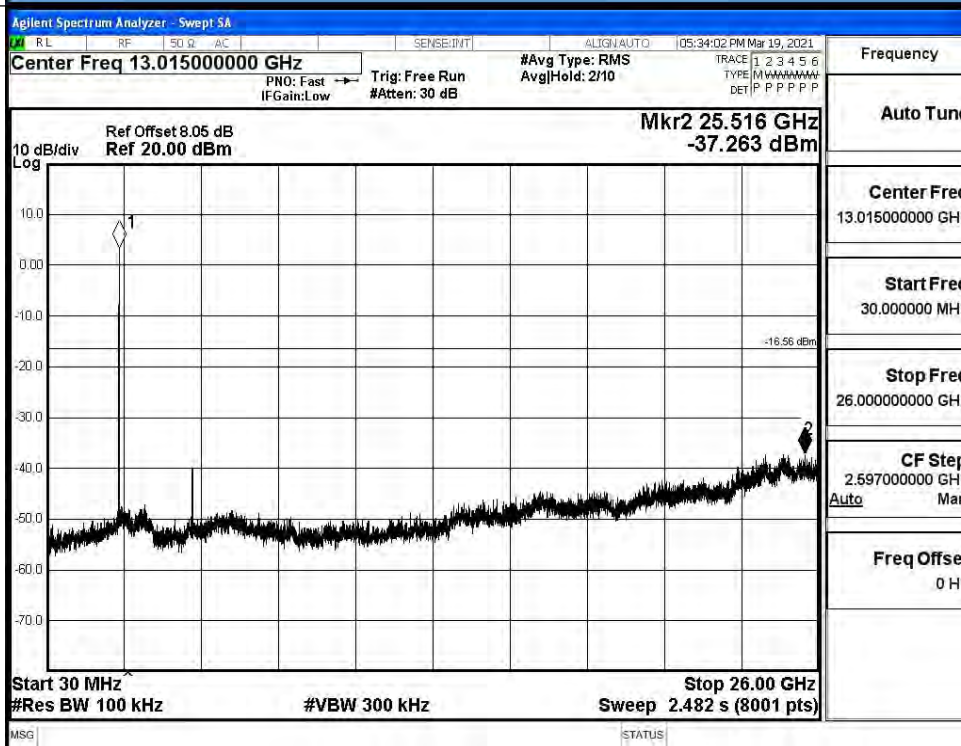


11B HCH Graphs

Pref/11B/HCH

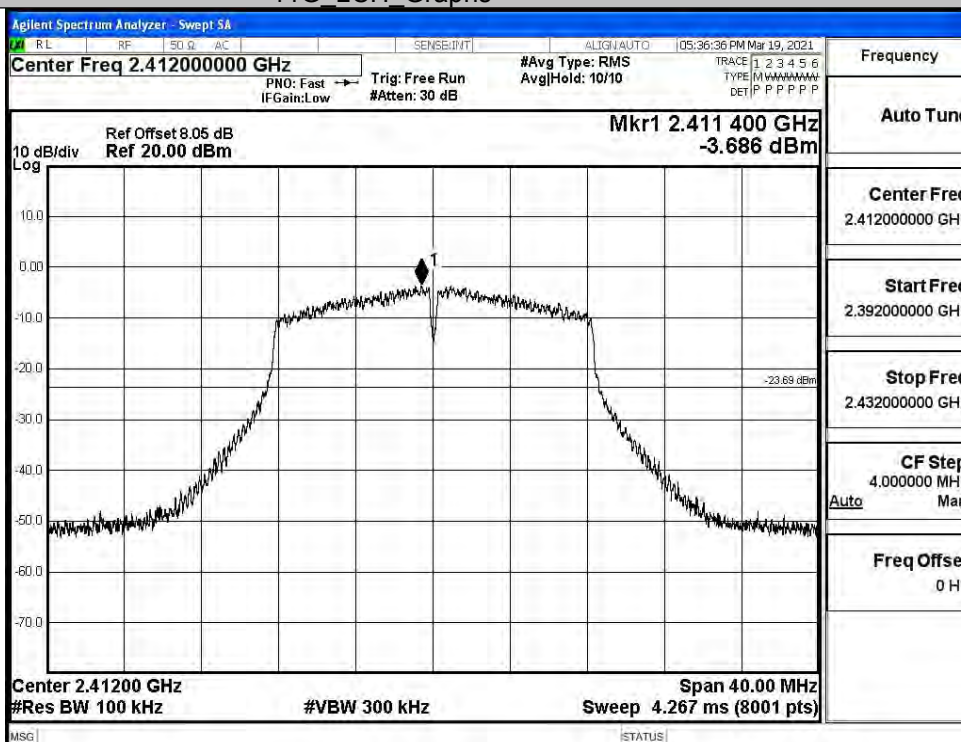


Puw/11B/HCH

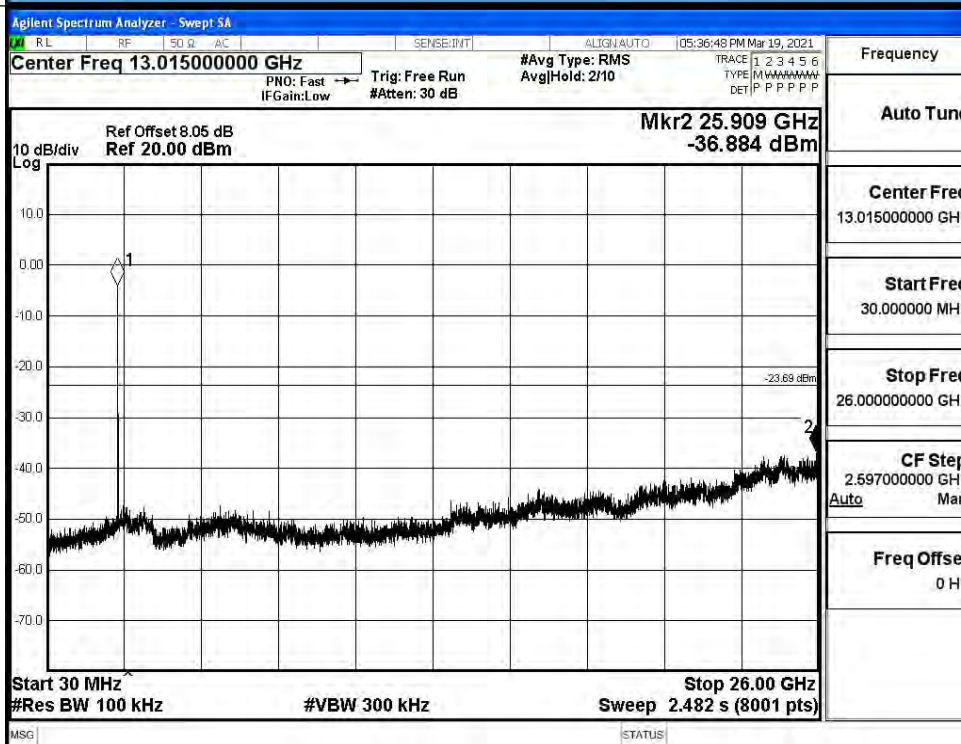


11G LCH Graphs

Pref/11G/LCH

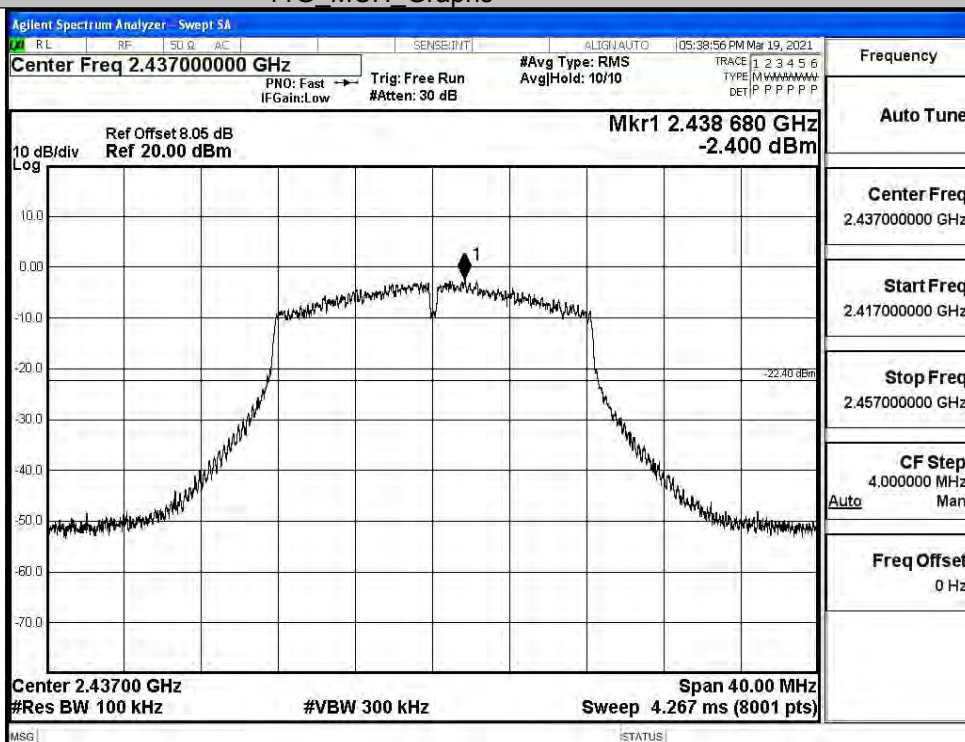


Puw/11G/LCH

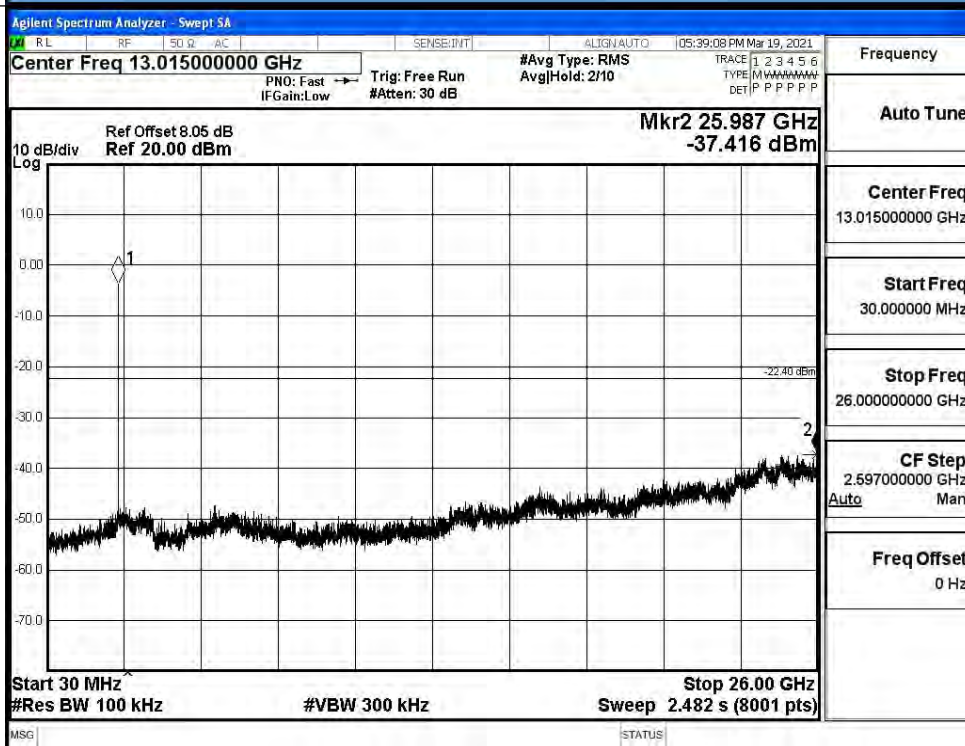


11G MCH Graphs

Pref/11G/MCH

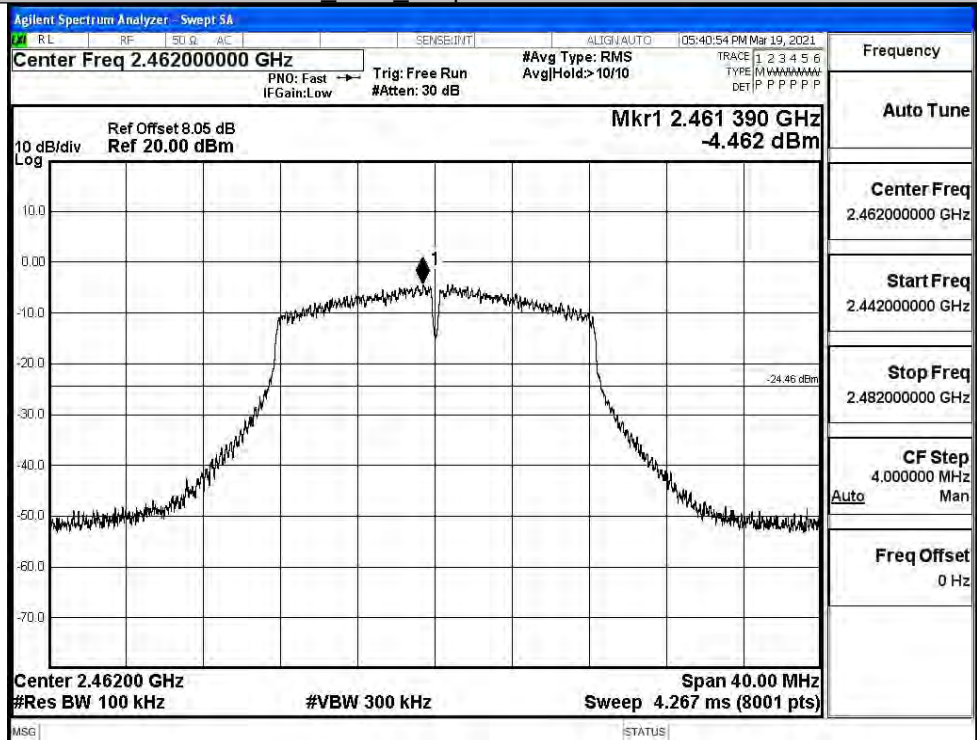


Puw/11G/MCH

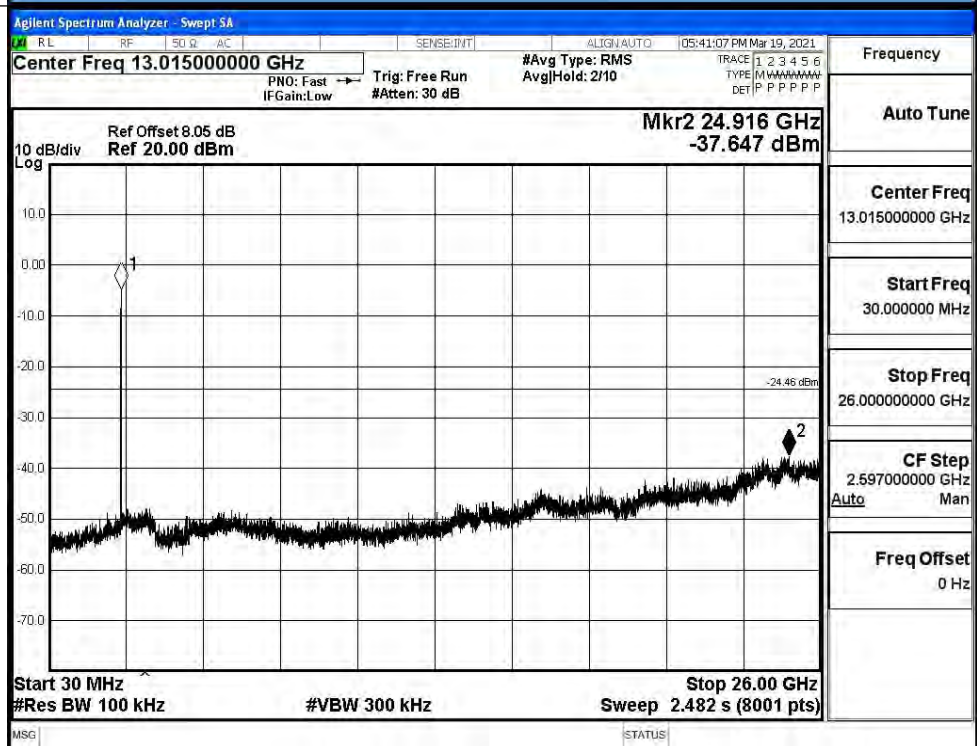


11G HCH Graphs

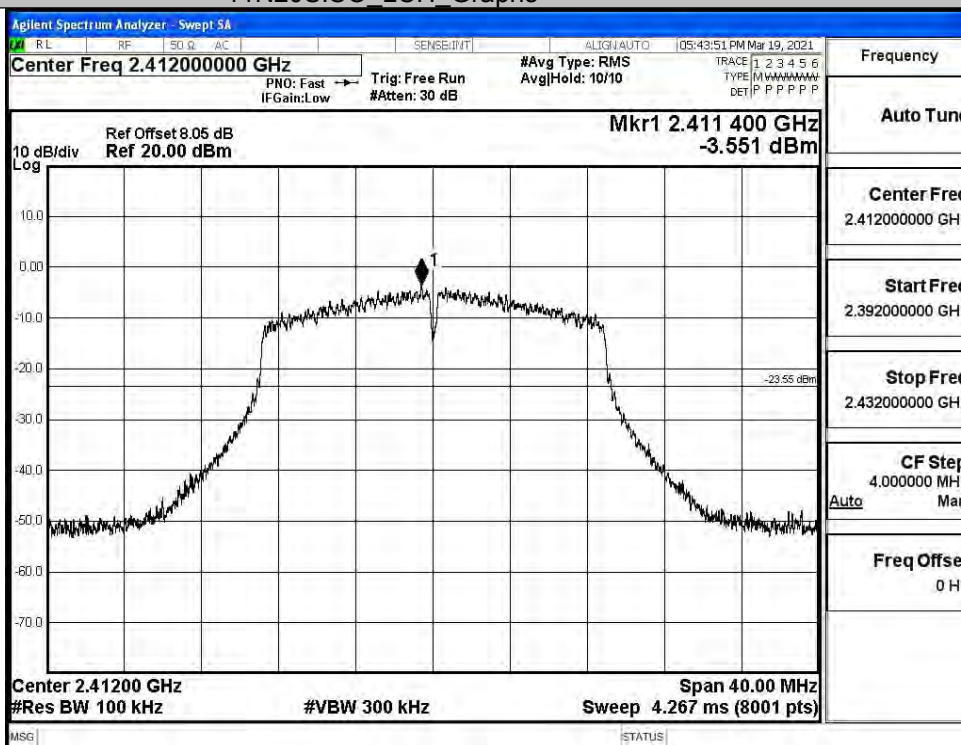
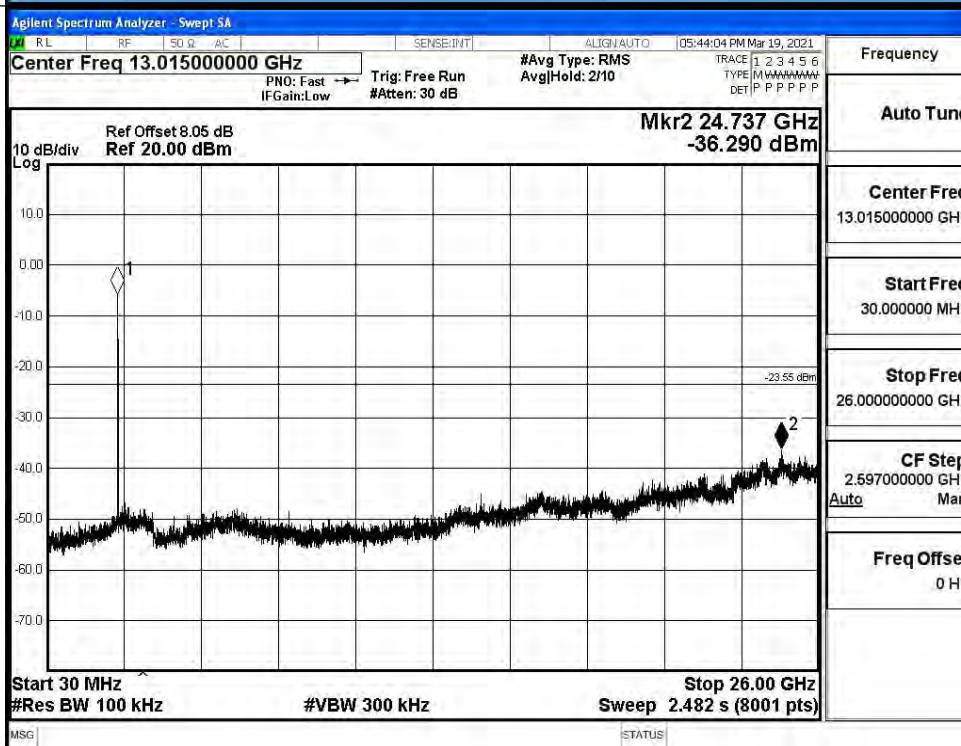
Pref/11G/HCH



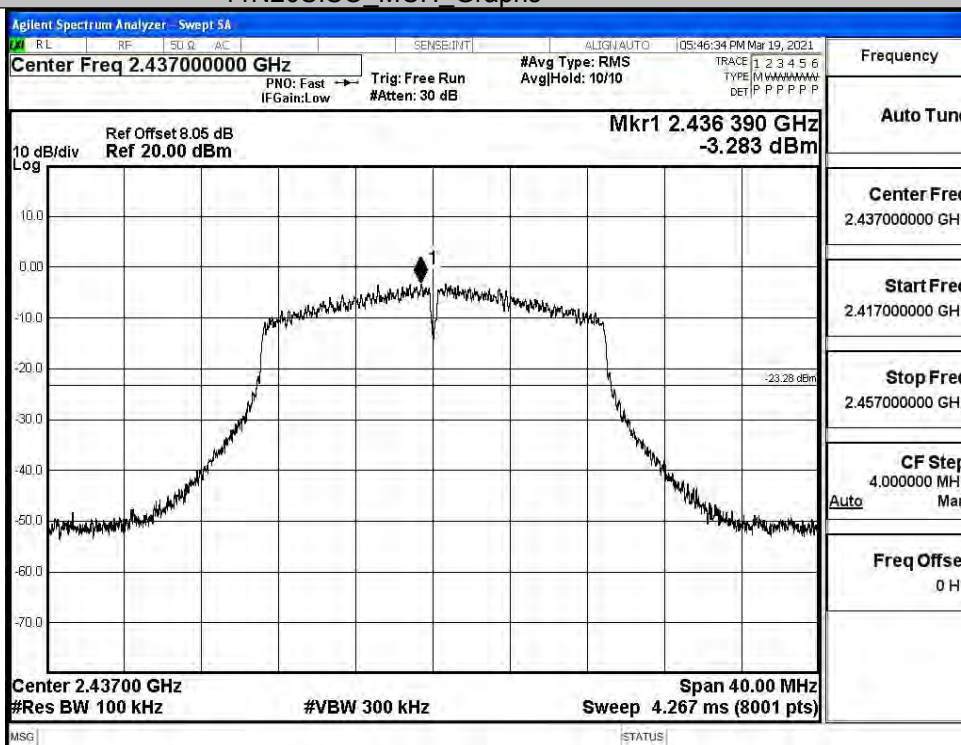
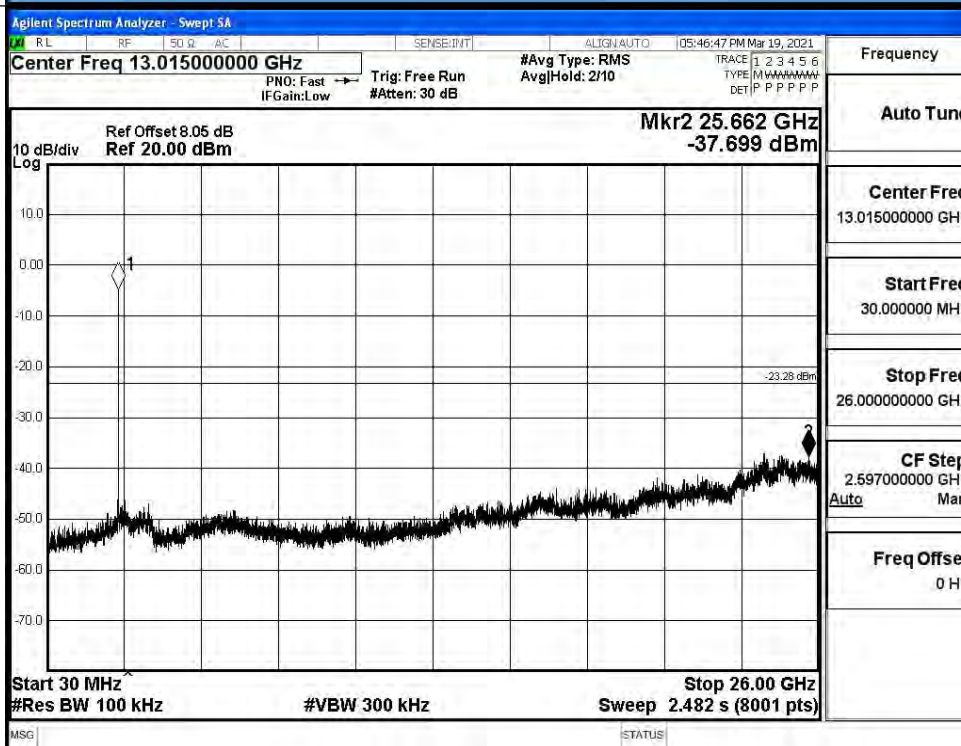
Puw/11G/HCH



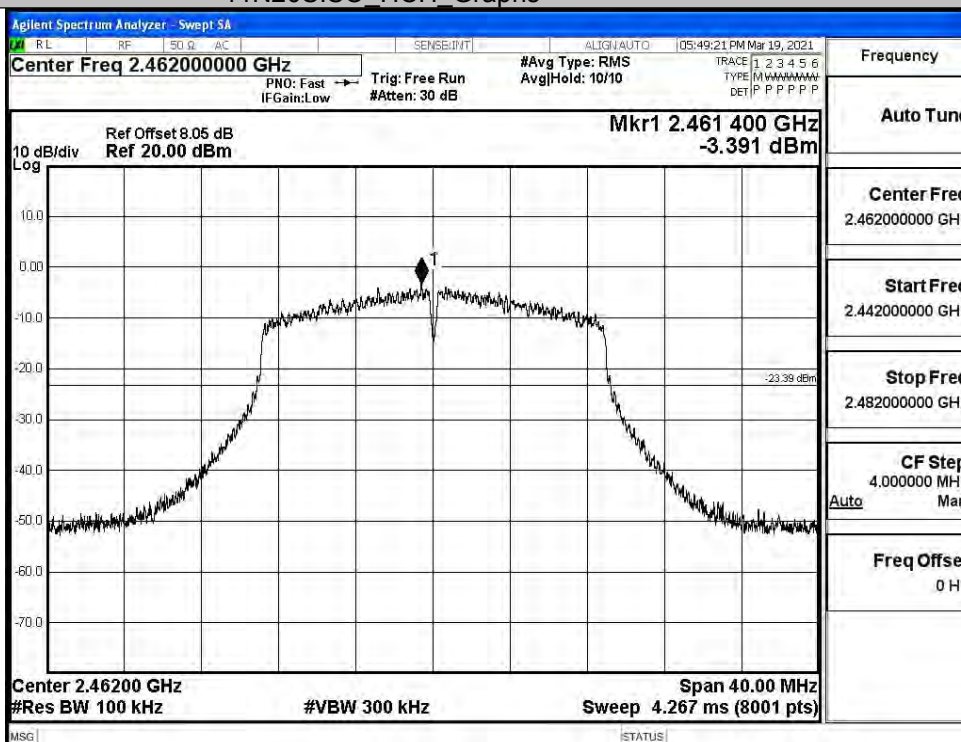
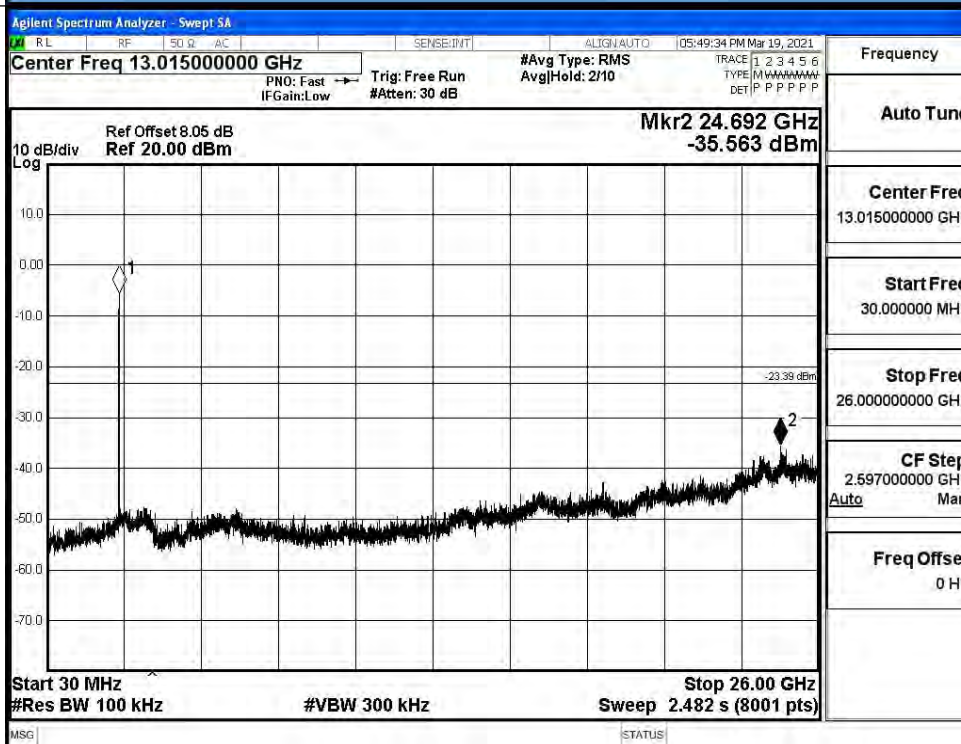
11N20SISO LCH Graphs

Pref/11N20SIS
O/LCHPuw/11N20
SISO/LCH

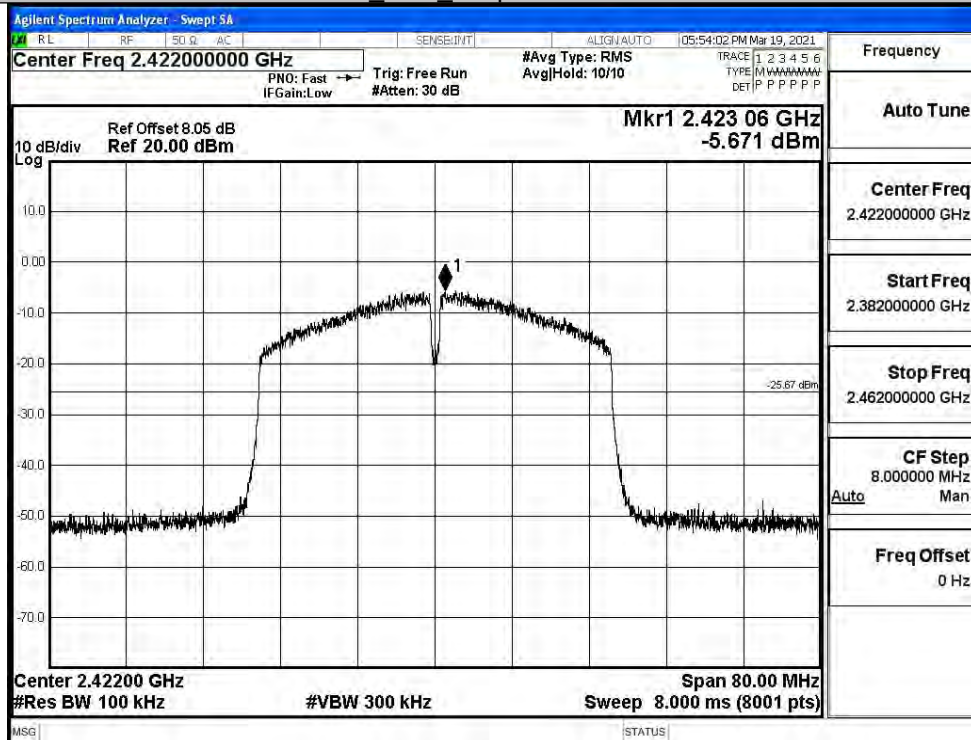
11N20SISO MCH_Graphs

Pref/11N20
SISO/MCHPuw/11N20
SISO/MCH

11N20SISO HCH Graphs

Pref/11N20
SISO/HCHPuw/11N20
SISO/HCH

11N40SISO LCH Graphs

Pref/11N40
SISO/LCHPuw/11N40
SISO/LCH