

Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: PET VISION LIVE HD

Trade Mark:  EYENIMAL

Test Model: NGHOMCAM009

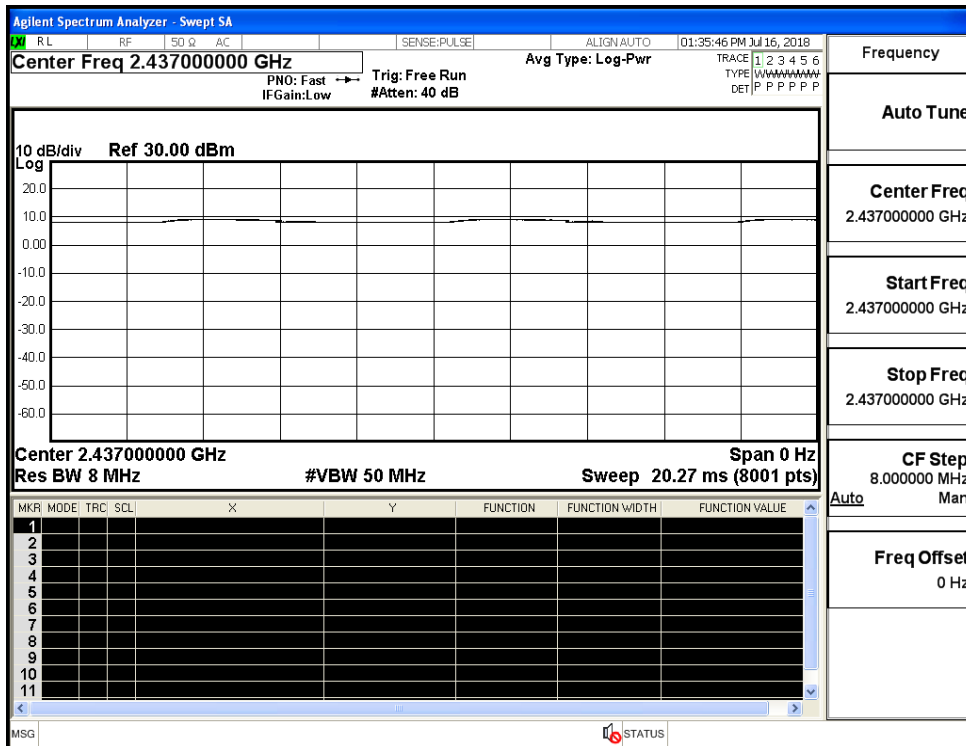
Environmental Conditions

Temperature:	22.3 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ryan.Hu
Supervised by:	Jayden.Zhuo

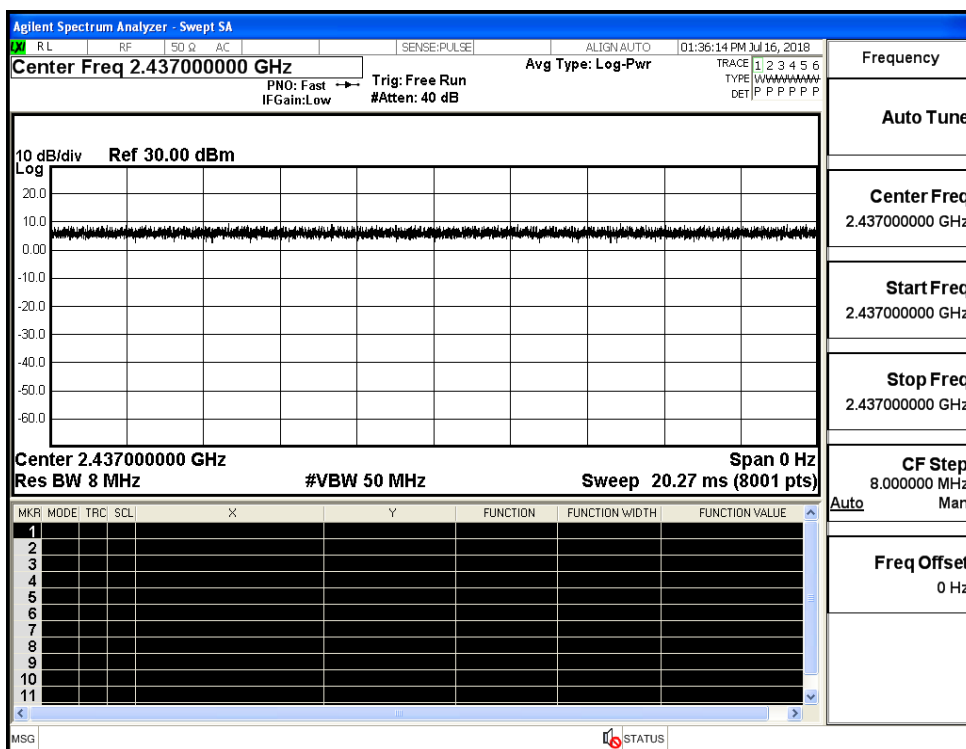
A.1 Duty Cycle

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

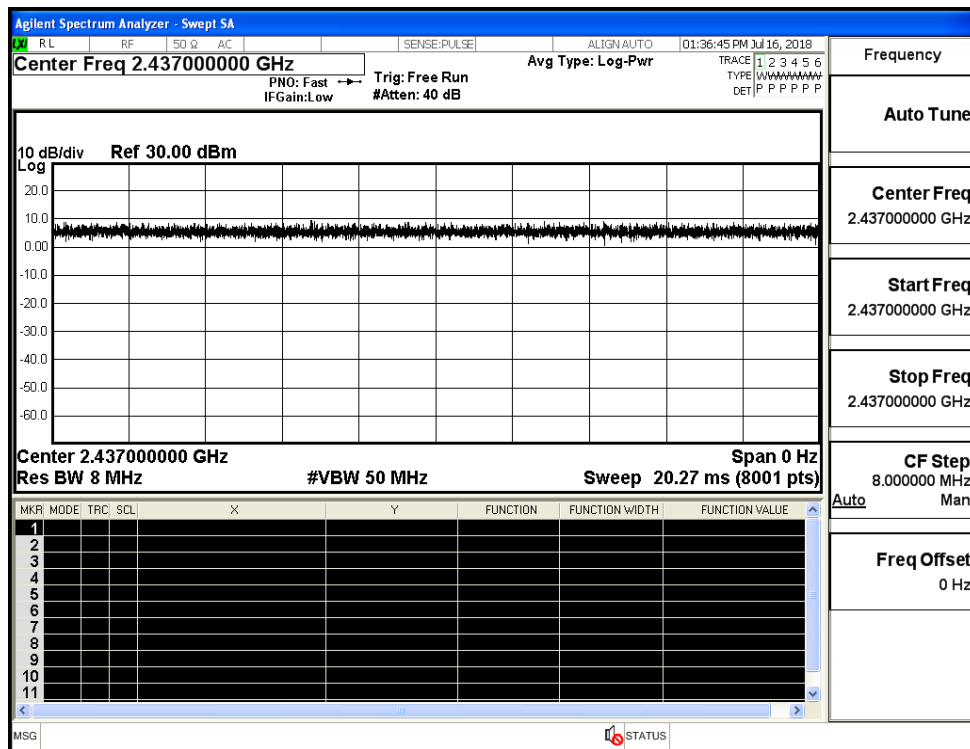
Duty Cycle_11B_2437_Ant1



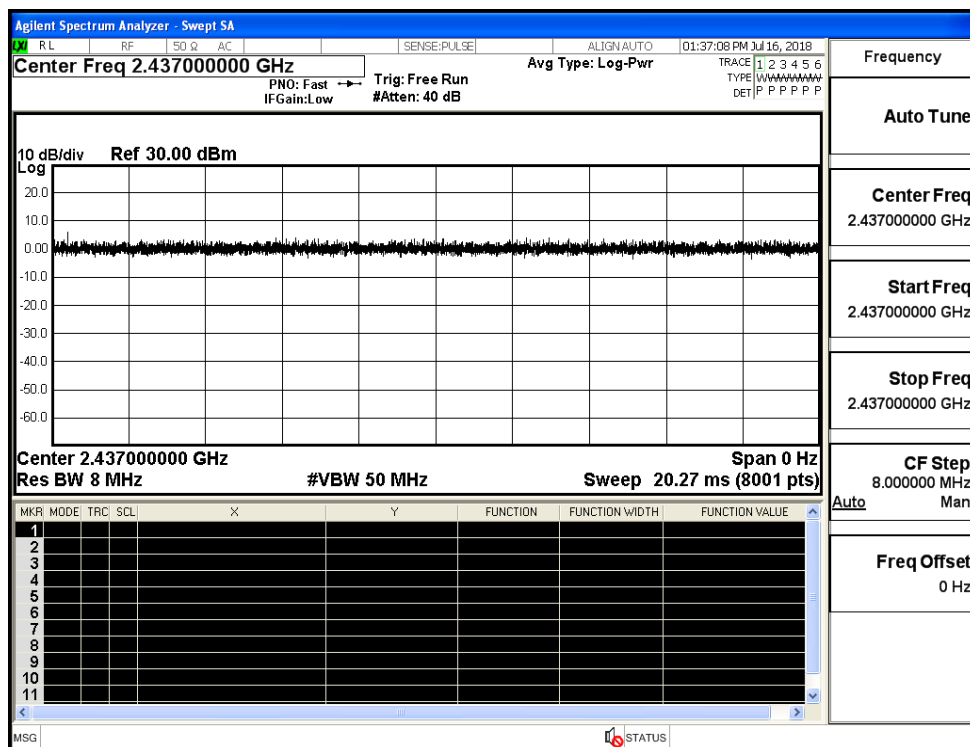
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1

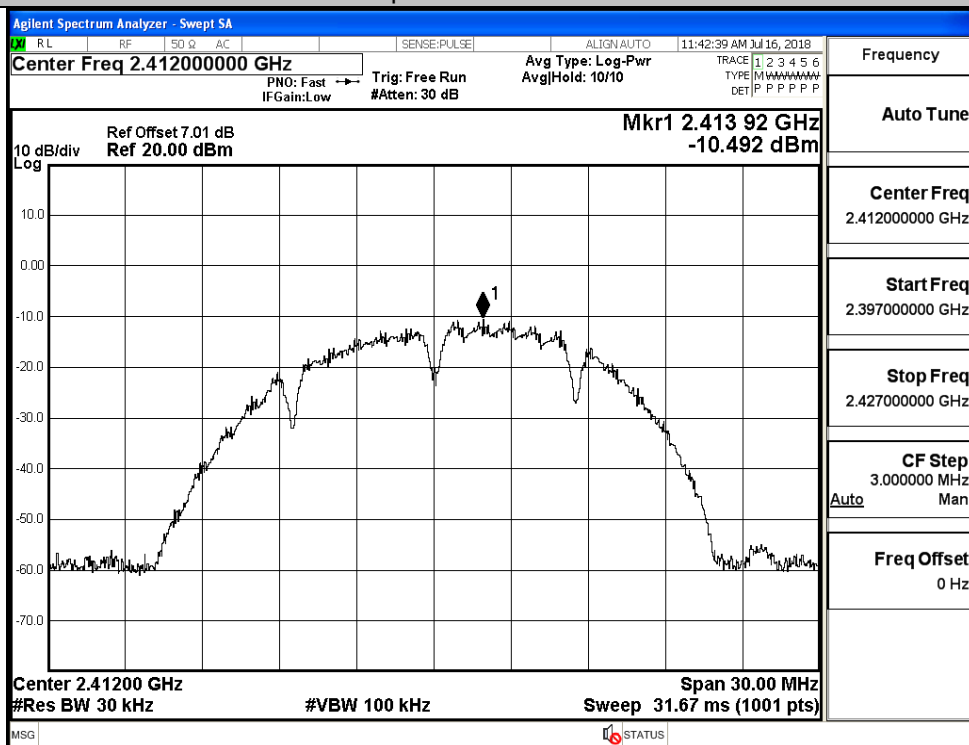


A.2 Maximum Power Spectral Density

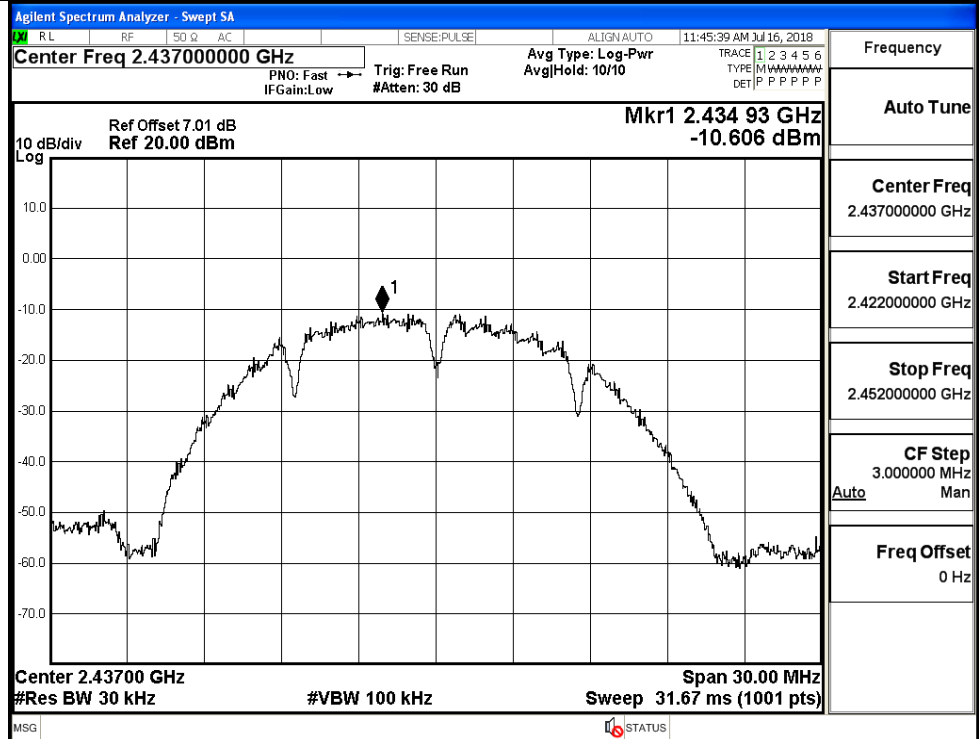
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-10.492	8	PASS
	MCH	-10.606	8	PASS
	HCH	-10.433	8	PASS
11G	LCH	-8.572	8	PASS
	MCH	-10.004	8	PASS
	HCH	-10.118	8	PASS
11N20SISO	LCH	-9.413	8	PASS
	MCH	-9.883	8	PASS
	HCH	-10.580	8	PASS
11N40SISO	LCH	-11.834	8	PASS
	MCH	-12.211	8	PASS
	HCH	-13.678	8	PASS

Test Graphs

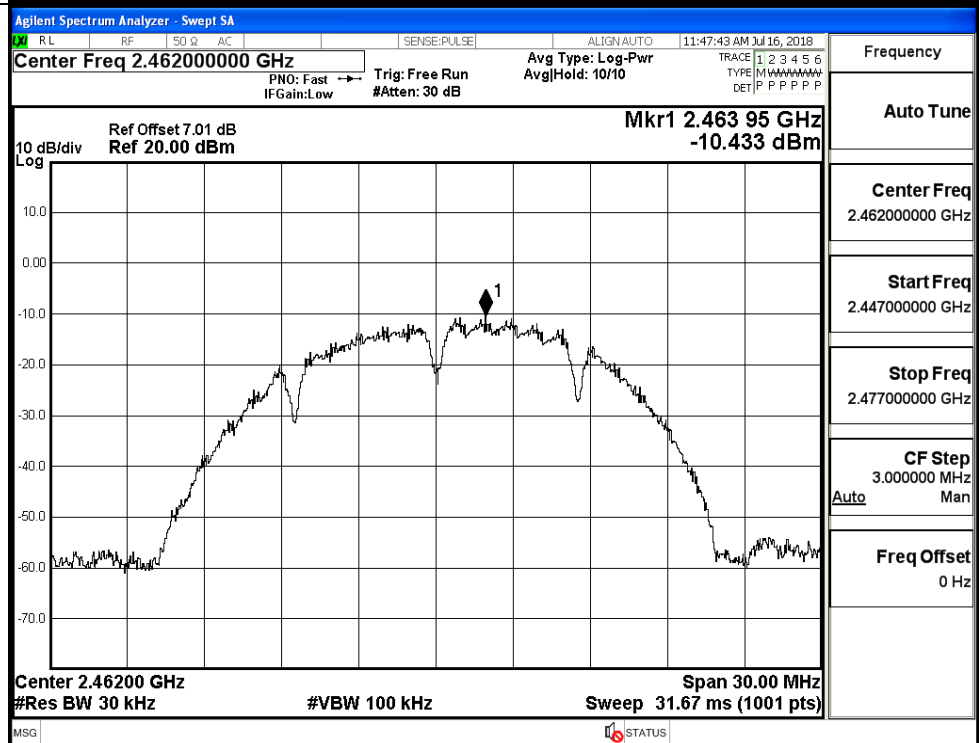
11B/LCH



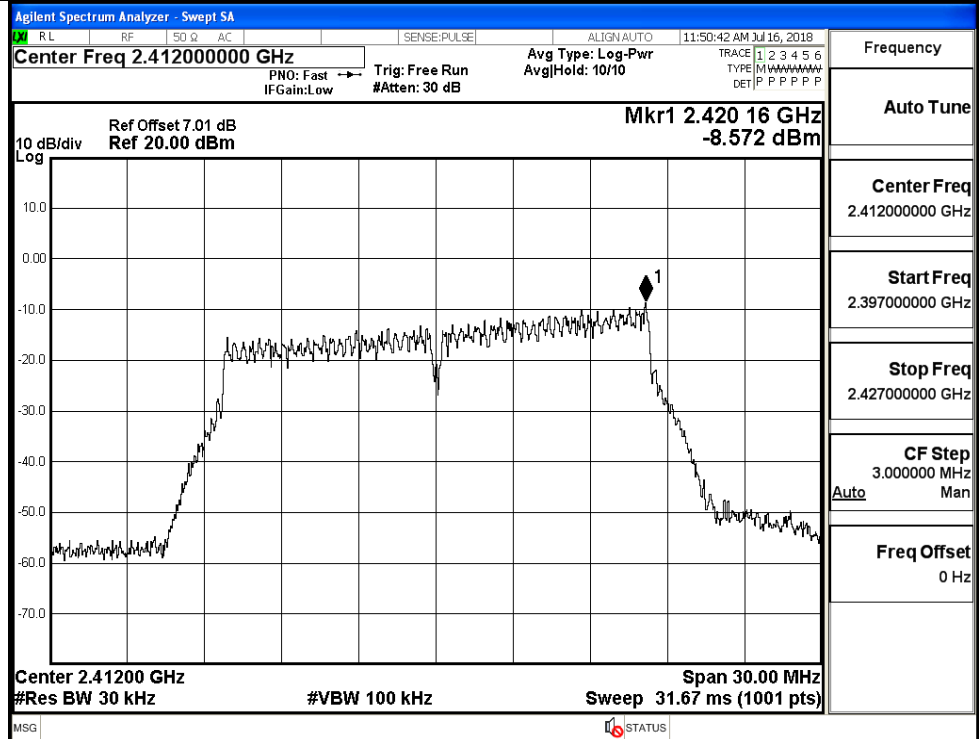
11B/MCH



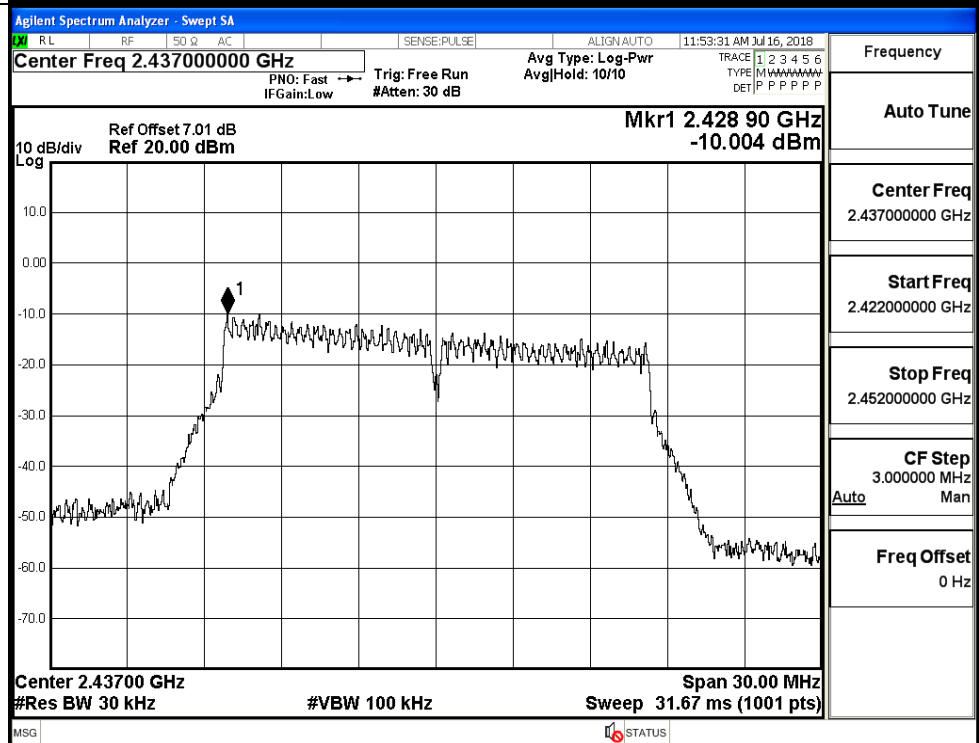
11B/HCH



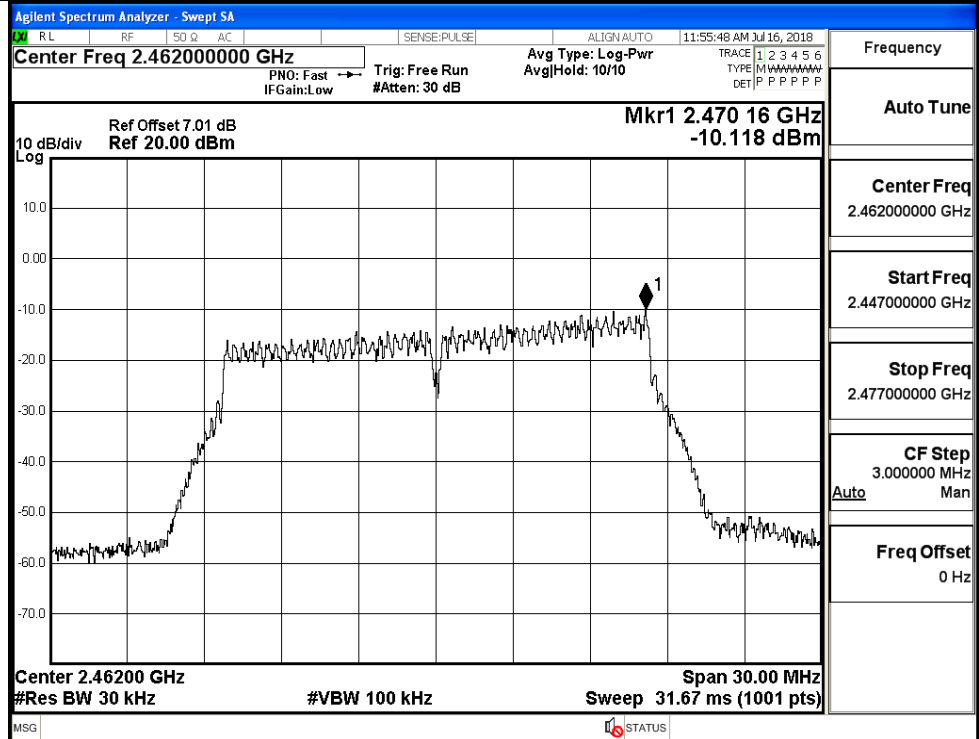
11G/LCH



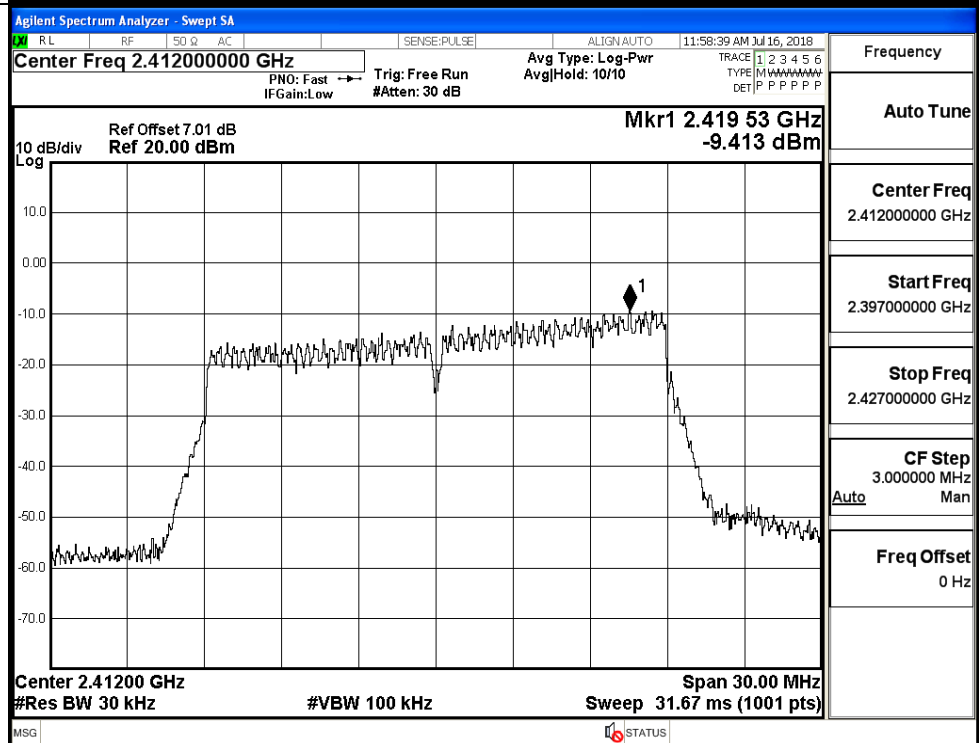
11G/MCH



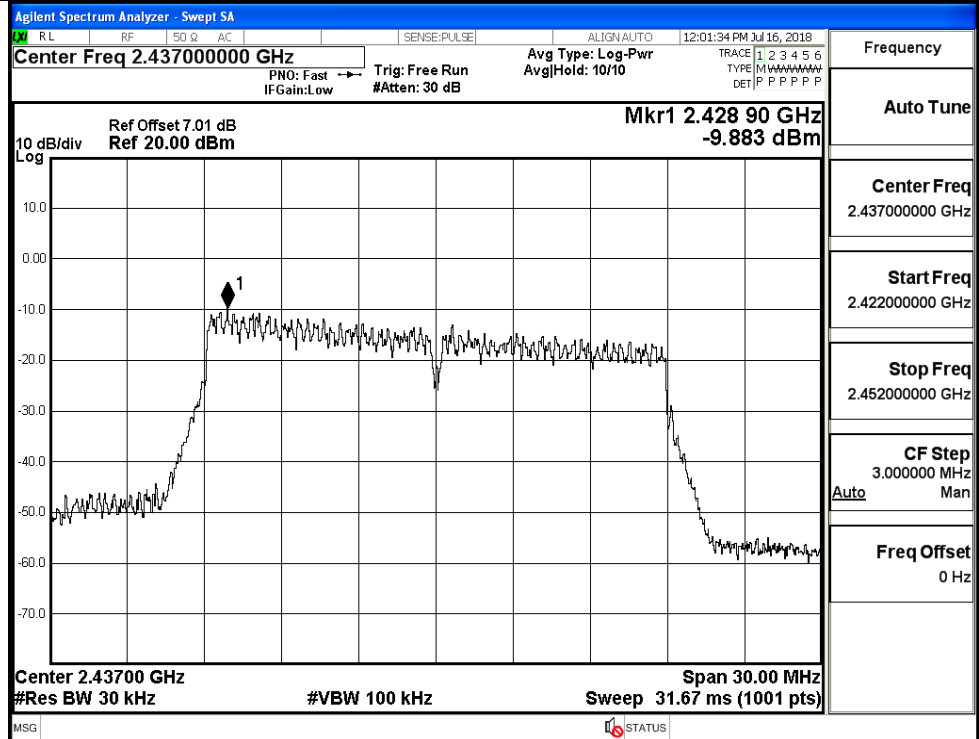
11G/HCH



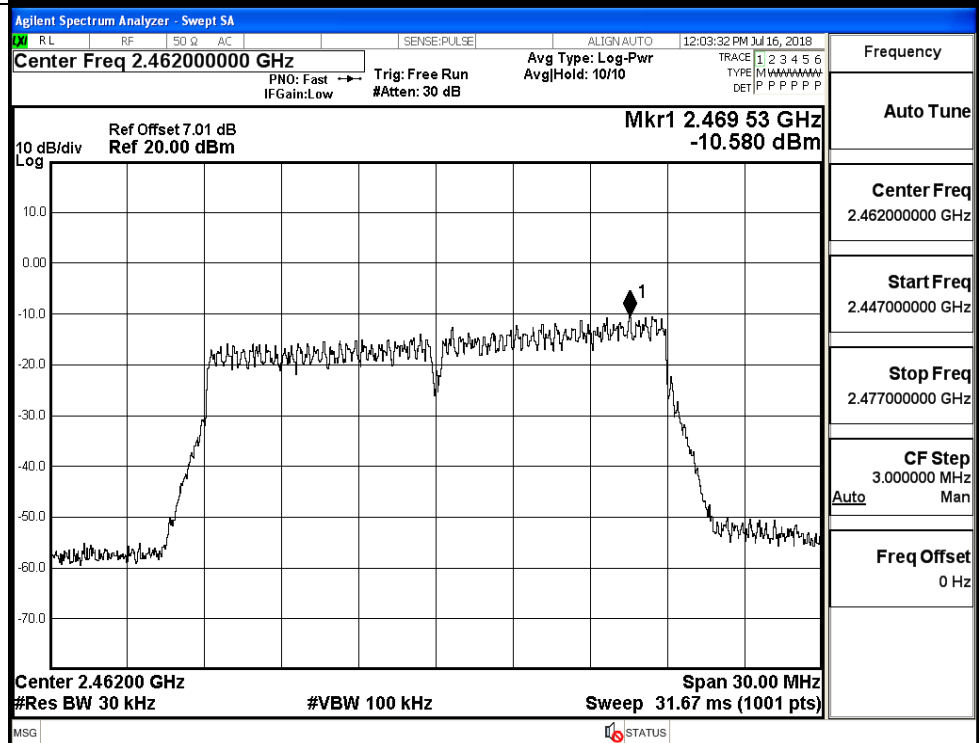
11N20SISO/LCH



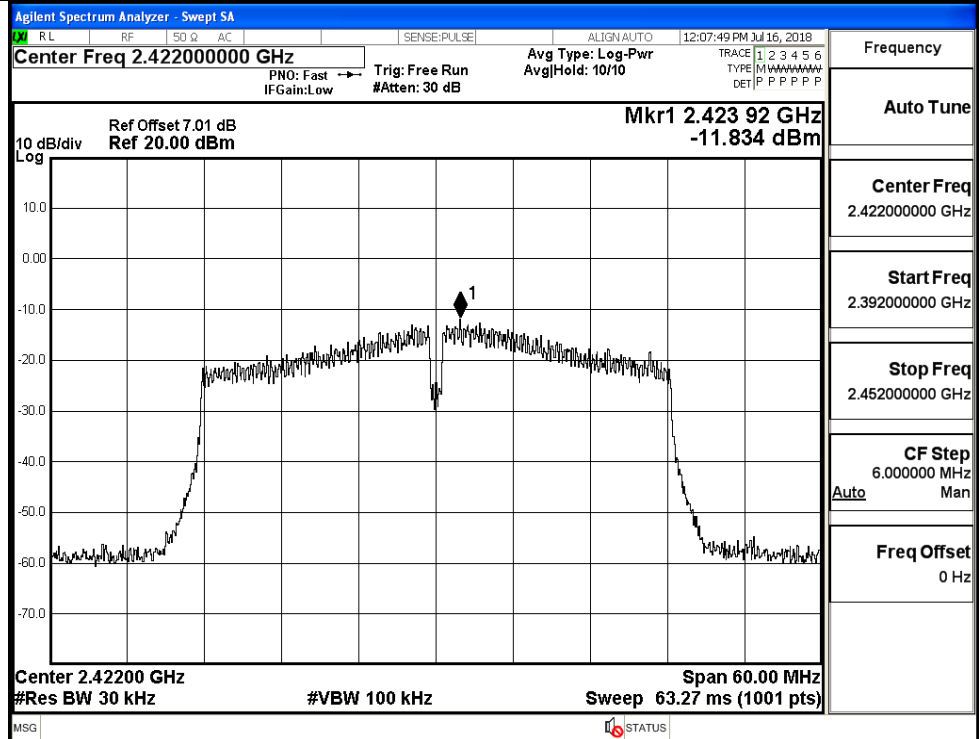
11N20SISO/MCH



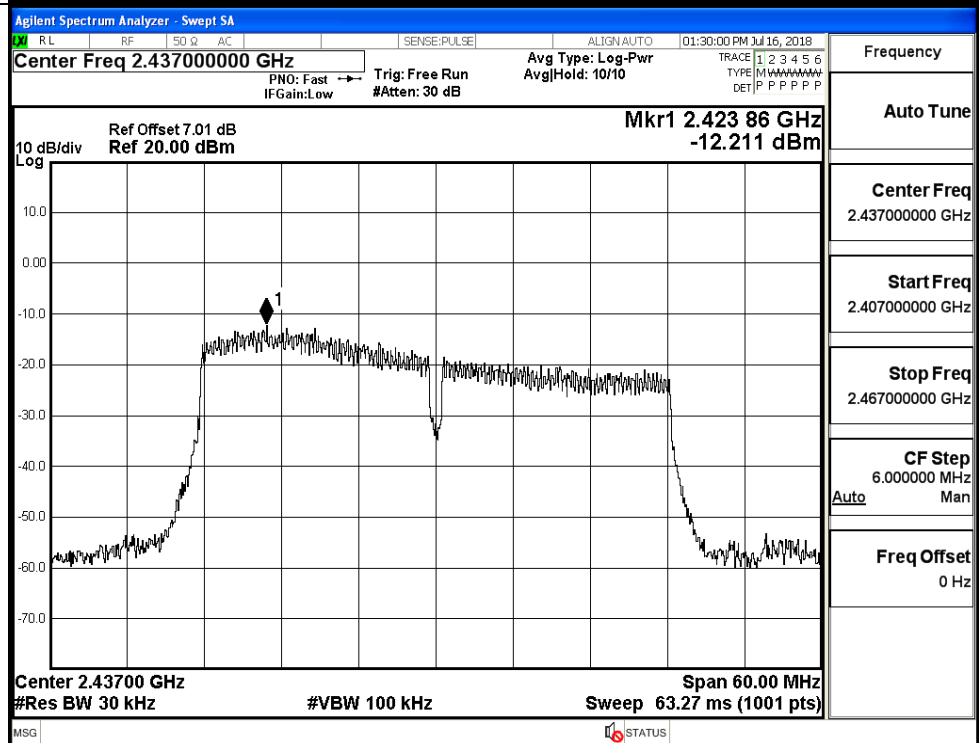
11N20SISO/HCH



11N40SISO/LCH



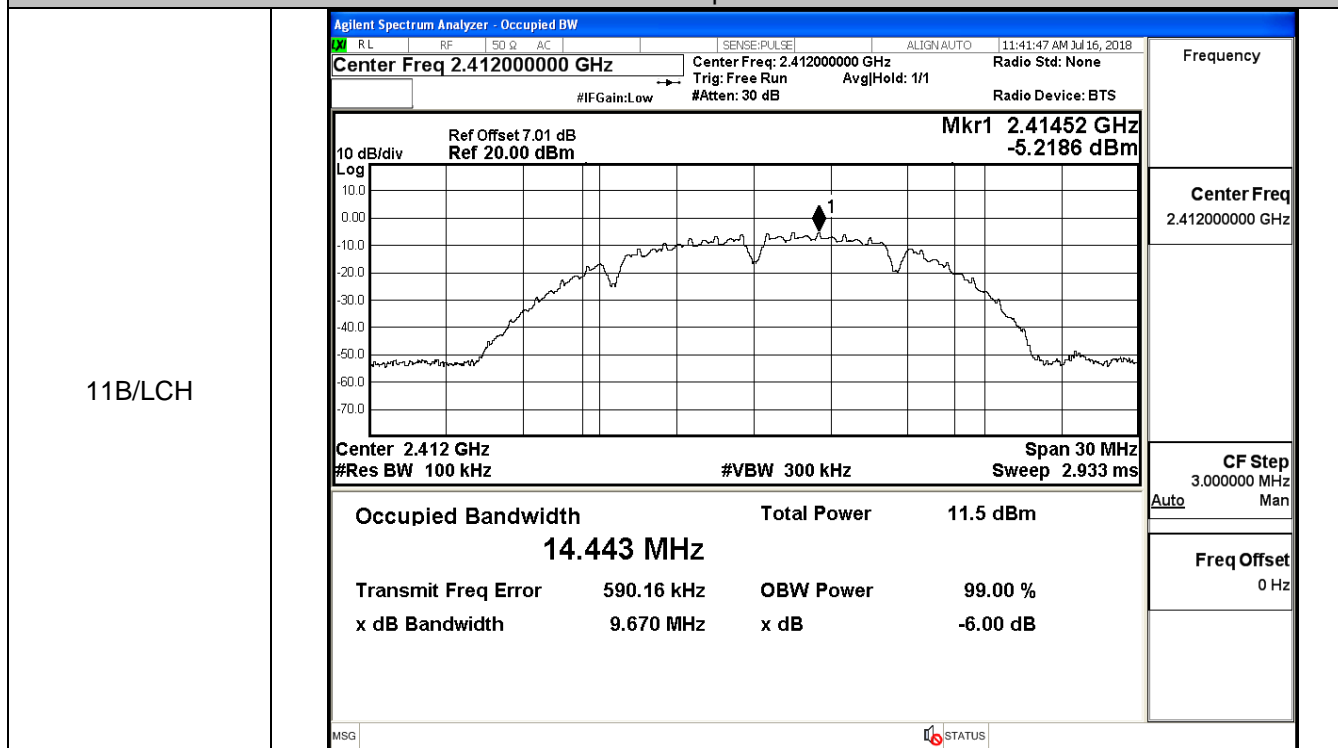
11N40SISO/MCH



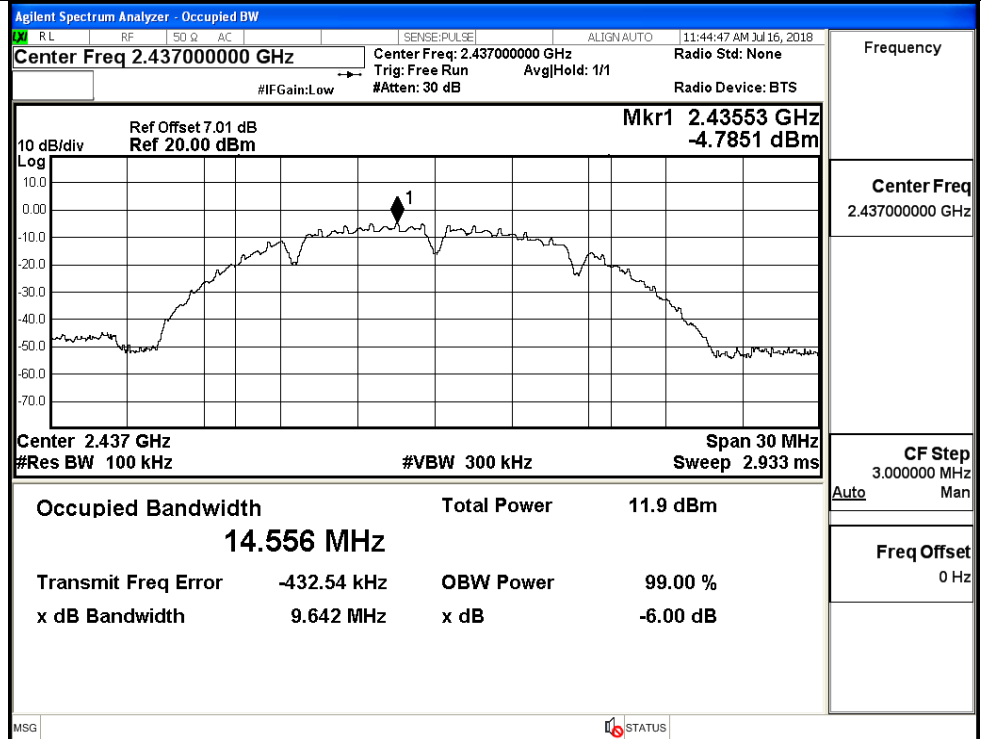
A.3 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.670	≥ 0.5	PASS
	MCH	9.642	≥ 0.5	PASS
	HCH	9.670	≥ 0.5	PASS
11G	LCH	13.78	≥ 0.5	PASS
	MCH	16.26	≥ 0.5	PASS
	HCH	16.09	≥ 0.5	PASS
11N20SISO	LCH	14.32	≥ 0.5	PASS
	MCH	17.35	≥ 0.5	PASS
	HCH	14.35	≥ 0.5	PASS
11N40SISO	LCH	35.41	≥ 0.5	PASS
	MCH	35.75	≥ 0.5	PASS
	HCH	36.55	≥ 0.5	PASS

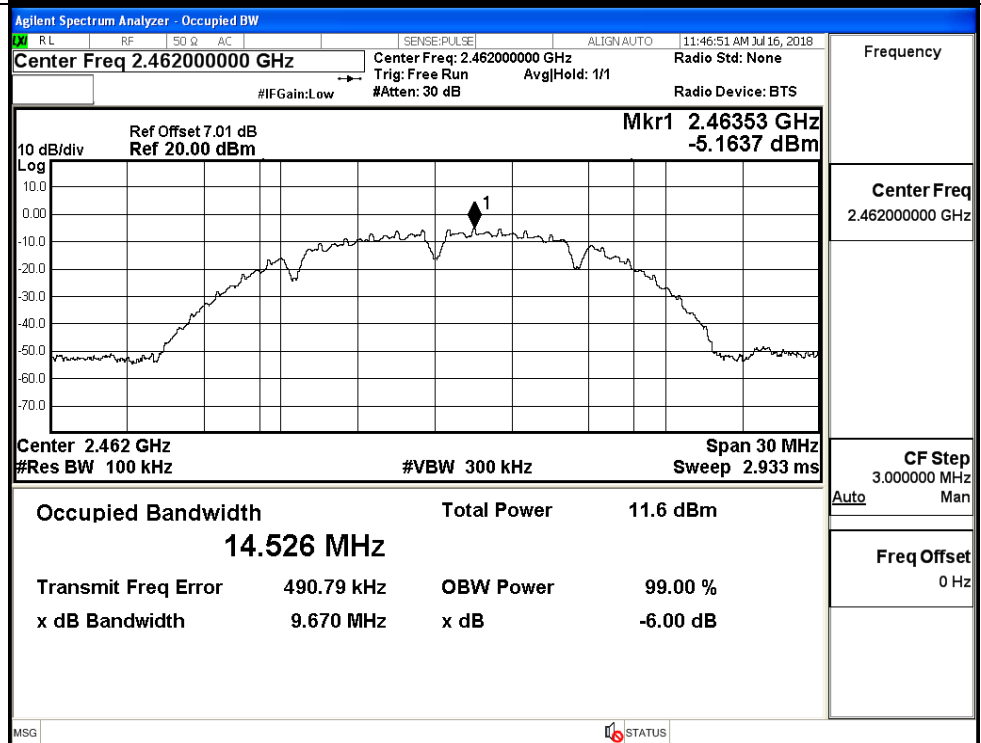
Test Graphs



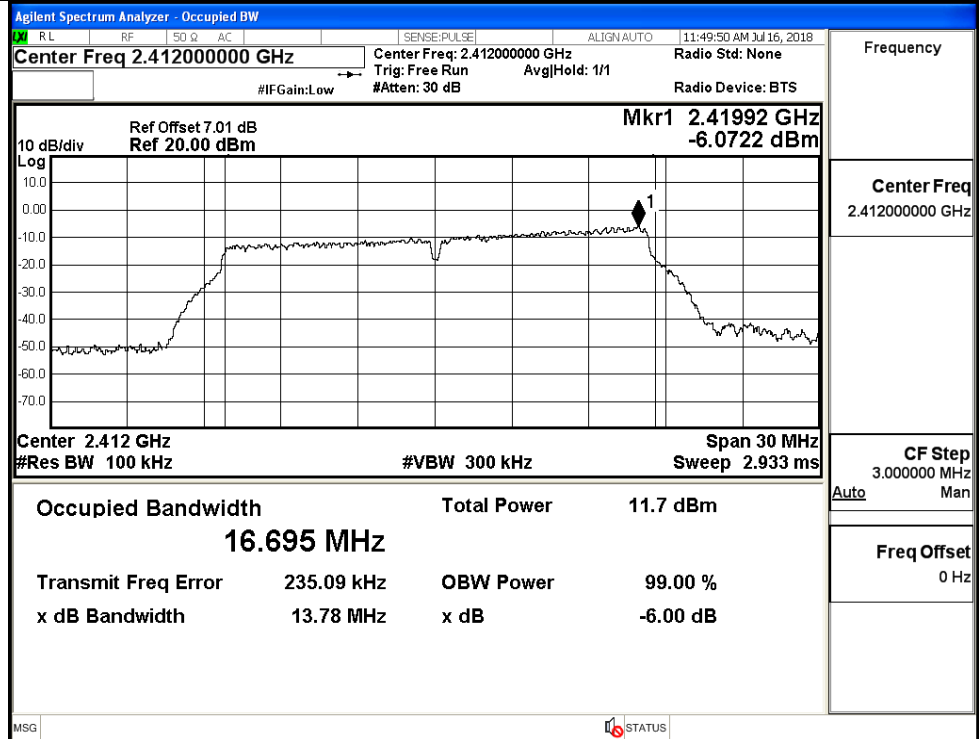
11B/MCH



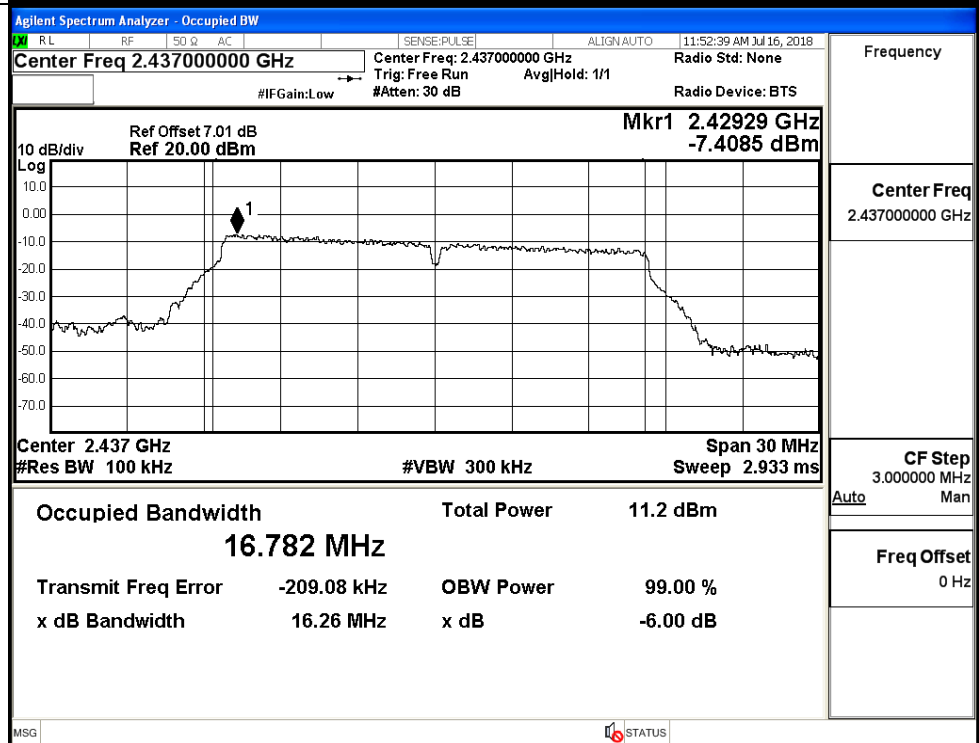
11B/HCH



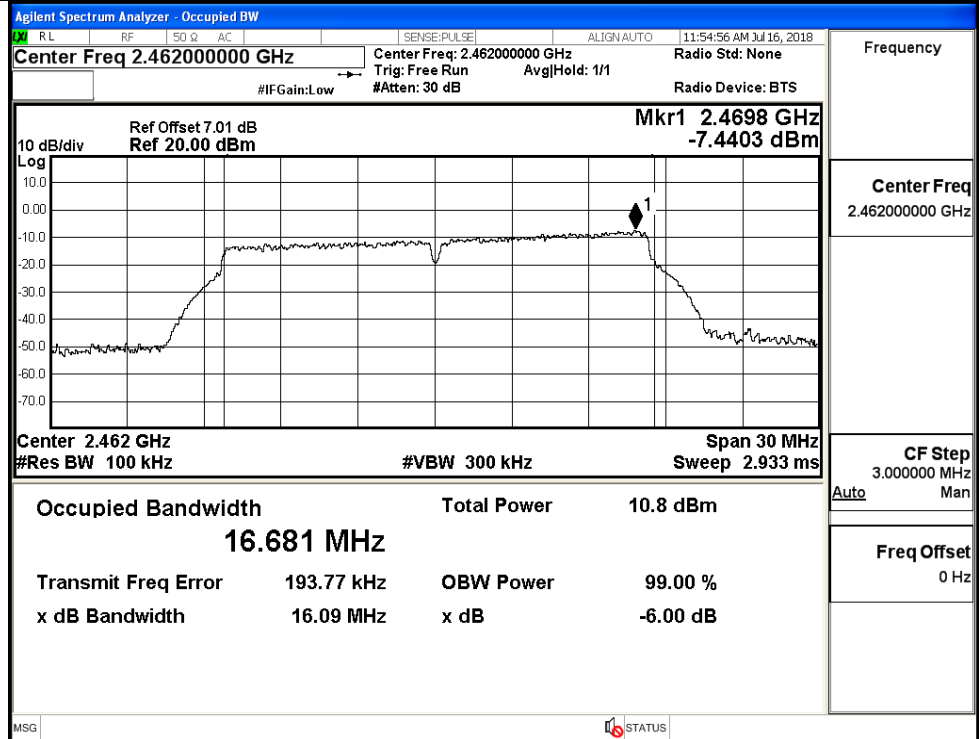
11G/LCH



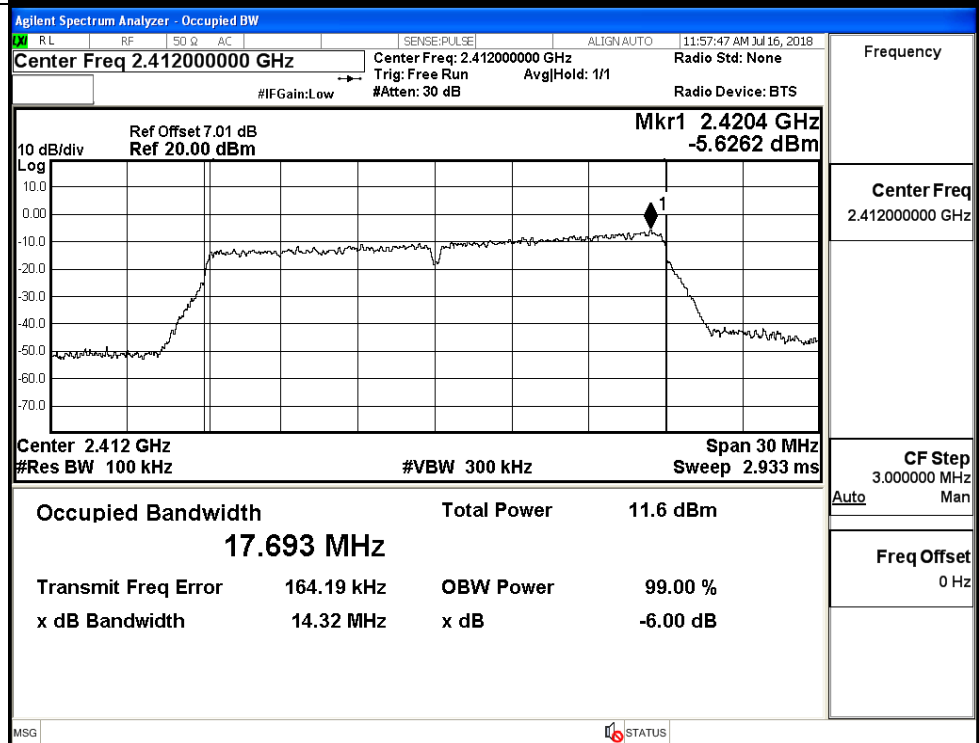
11G/MCH



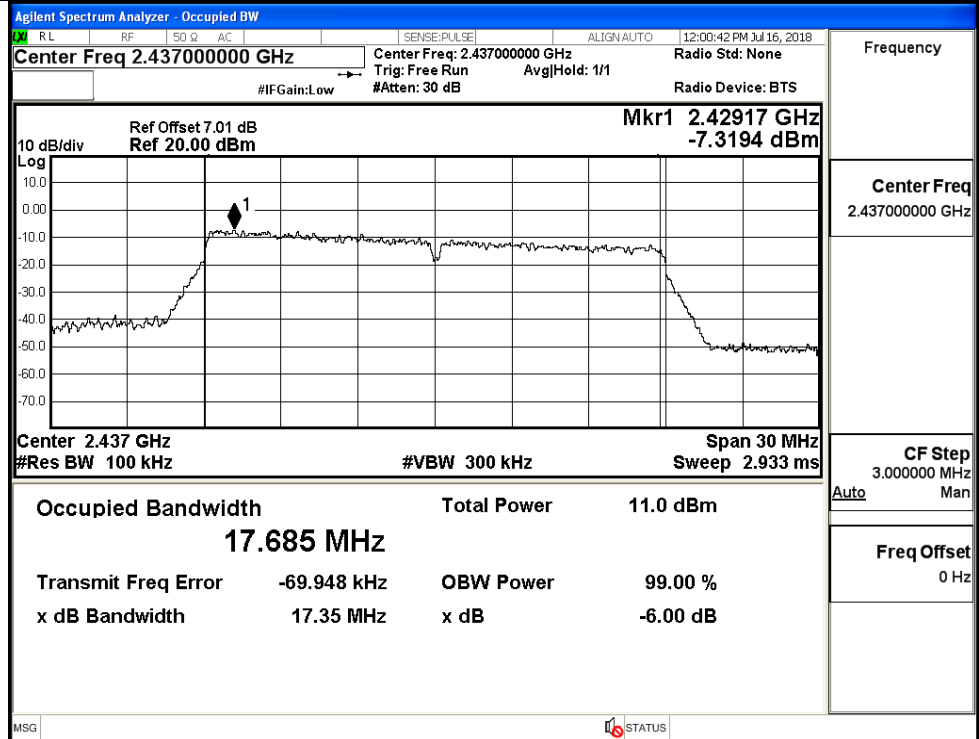
11G/HCH



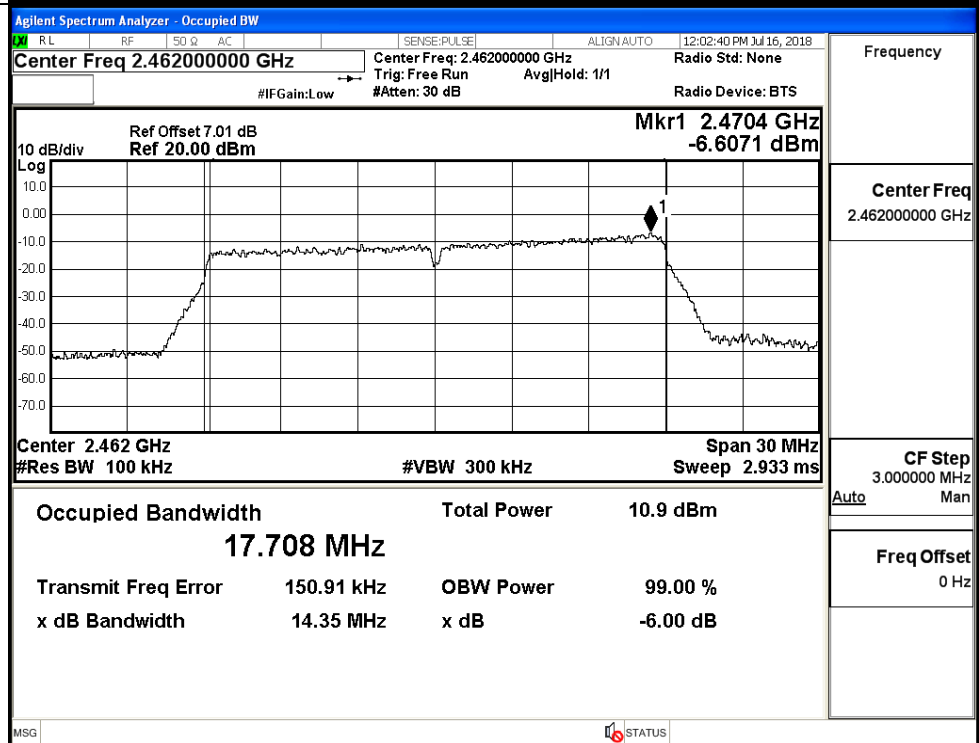
11N20SISO/LCH



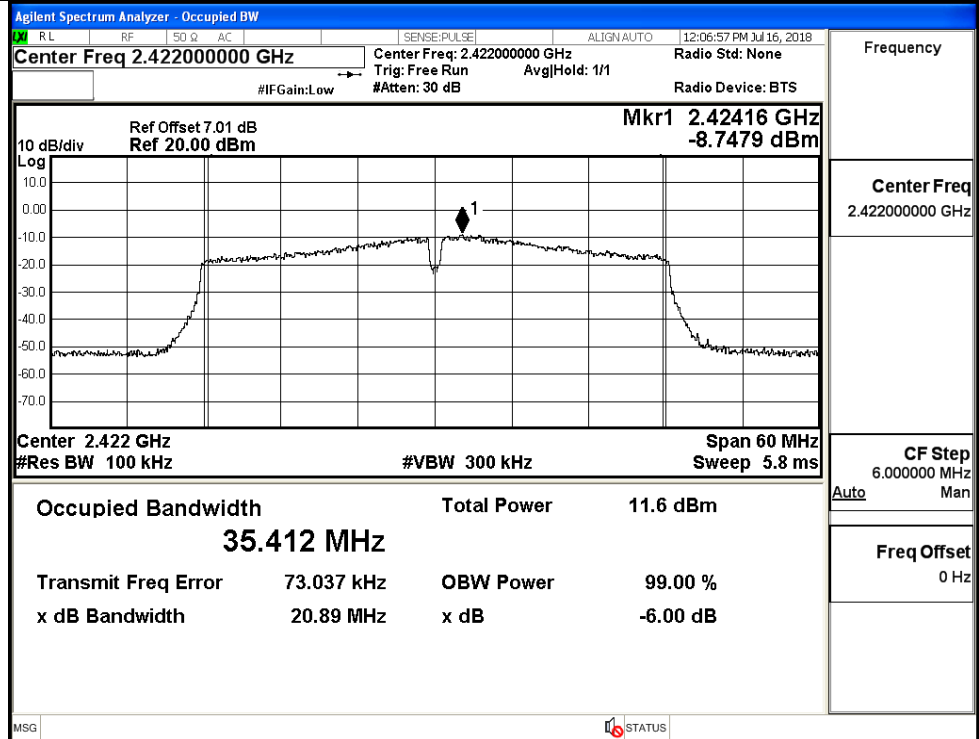
11N20SISO/MCH



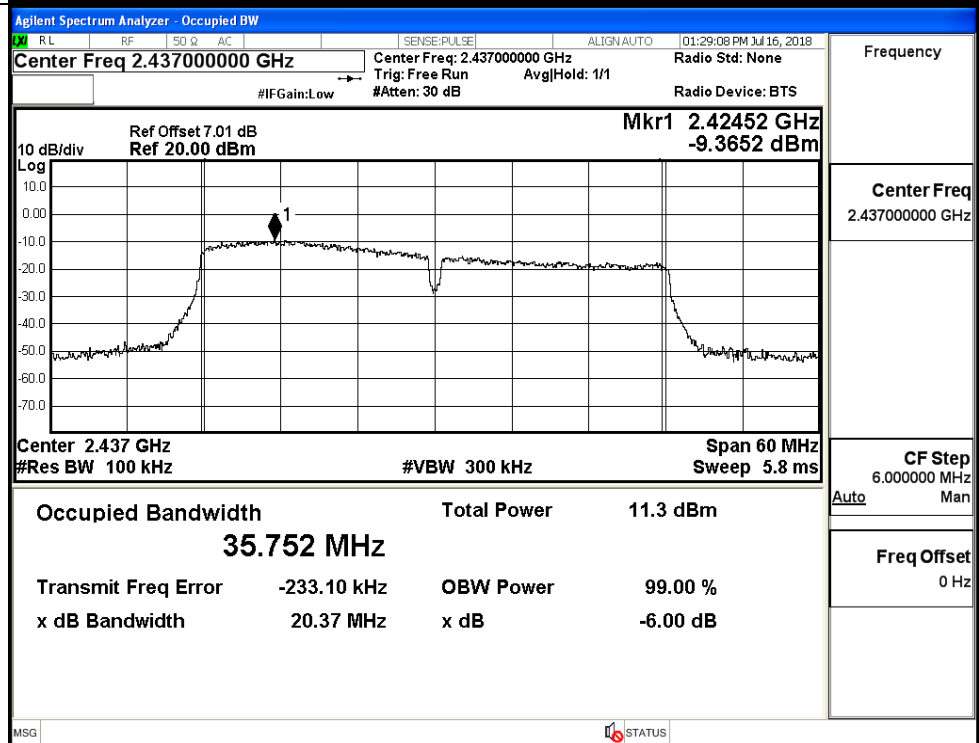
11N20SISO/HCH



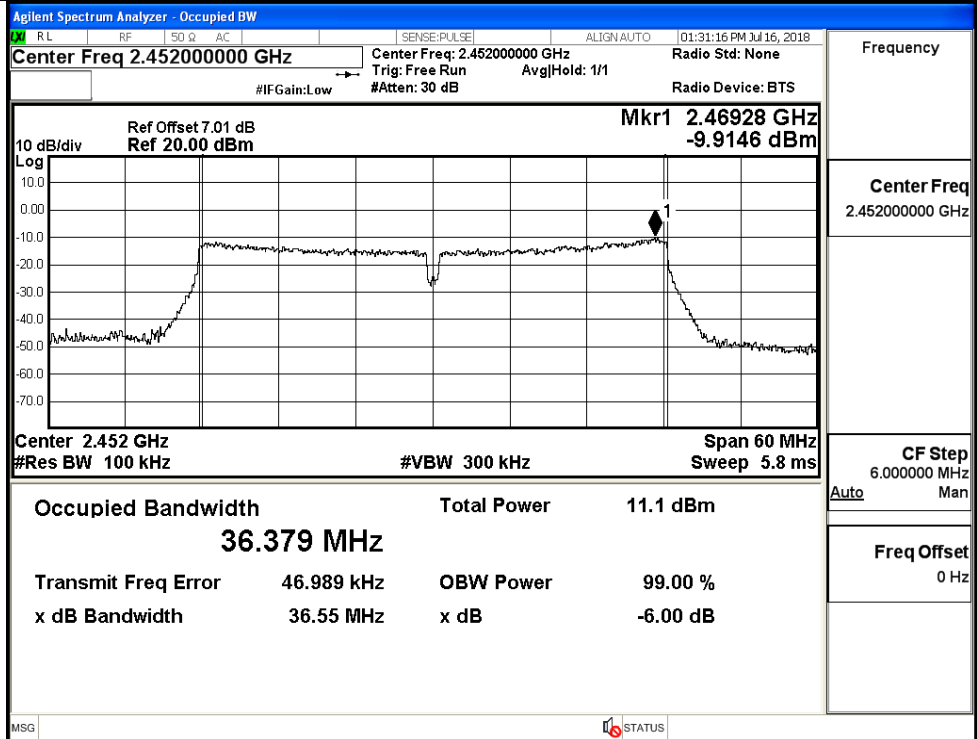
11N40SISO/LCH



11N40SISO/MCH



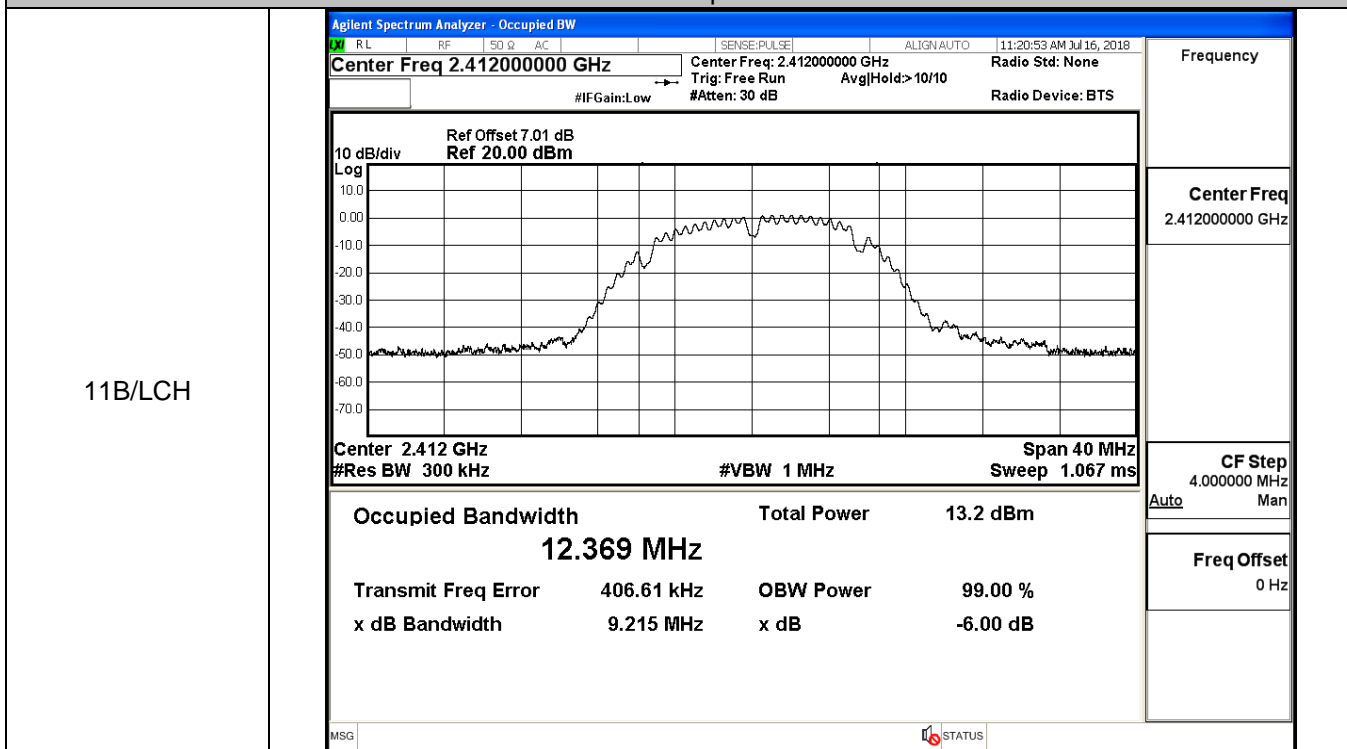
11N40SISO/HCH



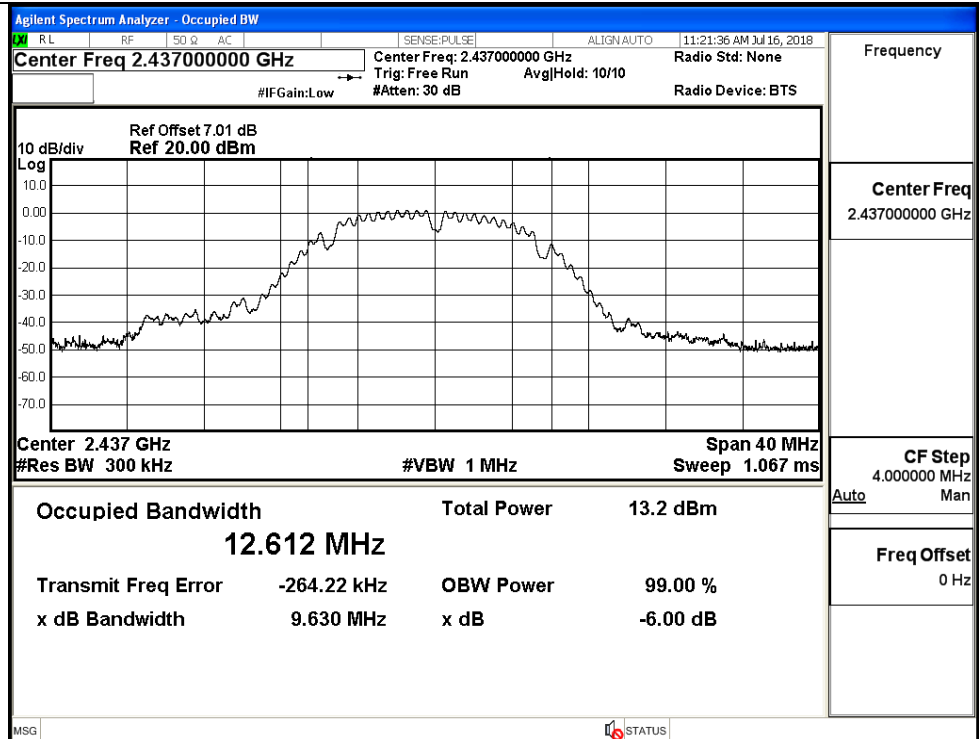
A.4 99%Occupied Bandwidth

Mode	Channel	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	12.369	≥ 0.5	PASS
	MCH	12.612	≥ 0.5	PASS
	HCH	12.473	≥ 0.5	PASS
11G	LCH	17.079	≥ 0.5	PASS
	MCH	17.099	≥ 0.5	PASS
	HCH	17.261	≥ 0.5	PASS
11N20SISO	LCH	17.842	≥ 0.5	PASS
	MCH	17.840	≥ 0.5	PASS
	HCH	17.854	≥ 0.5	PASS
11N40SISO	LCH	35.422	≥ 0.5	PASS
	MCH	35.995	≥ 0.5	PASS
	HCH	36.860	≥ 0.5	PASS

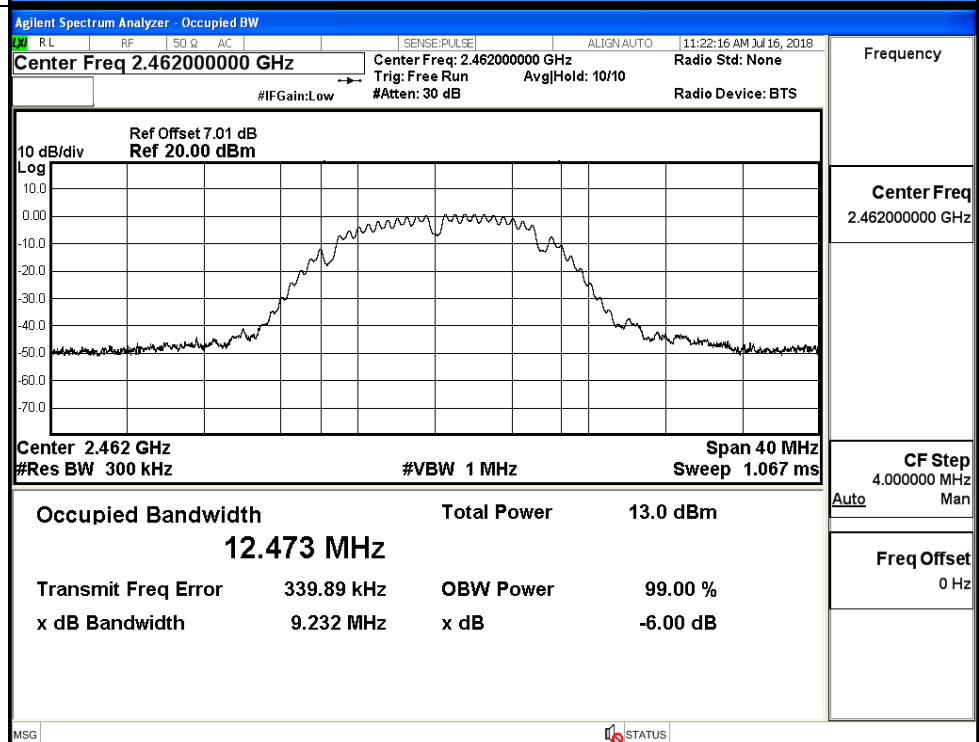
Test Graphs



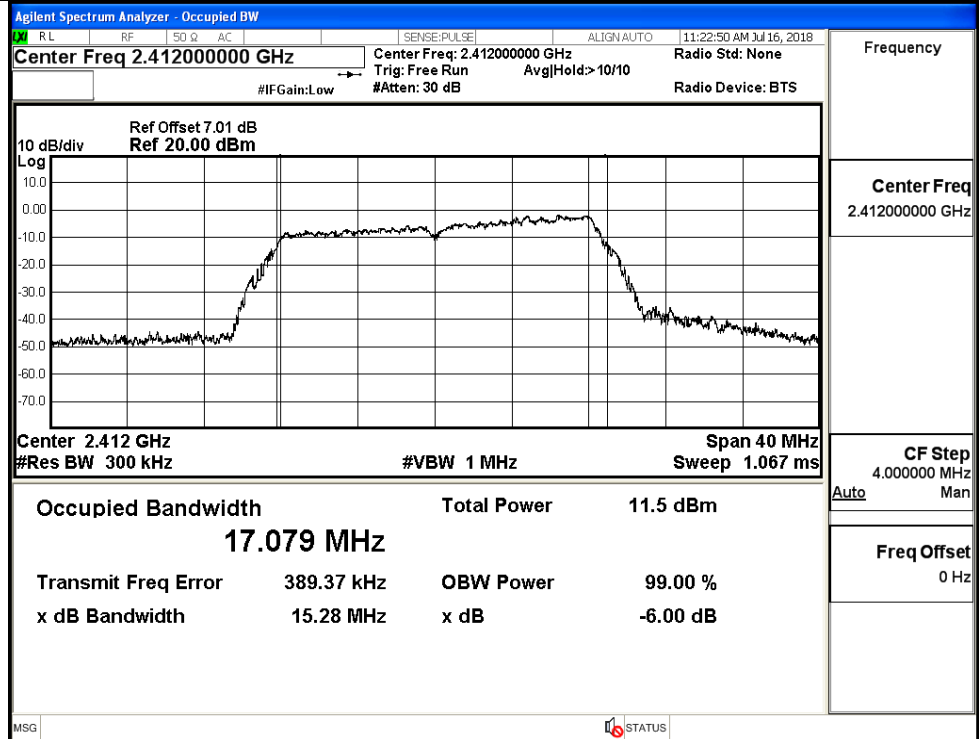
11B/MCH



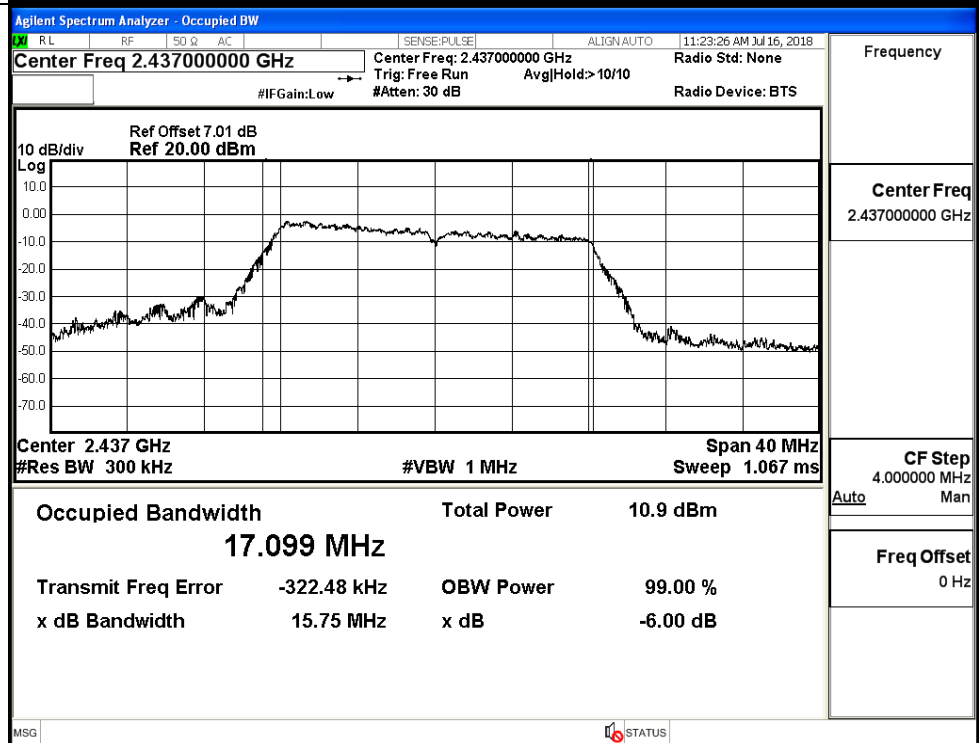
11B/HCH



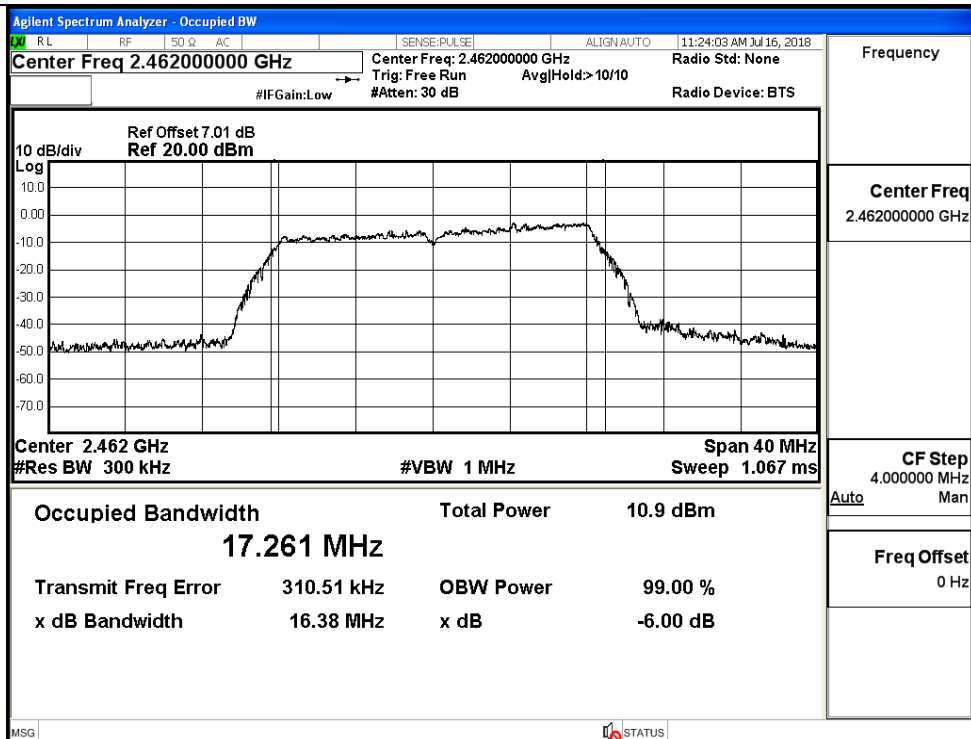
11G/LCH



11G/MCH



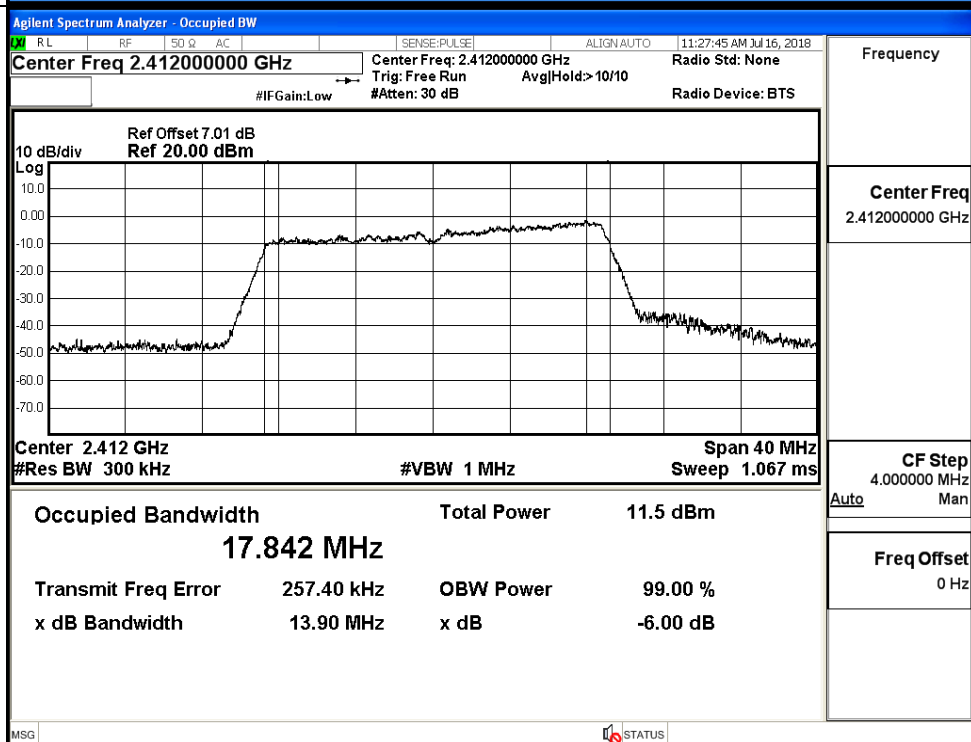
11G/HCH



Frequency

Center Freq
2.46200000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

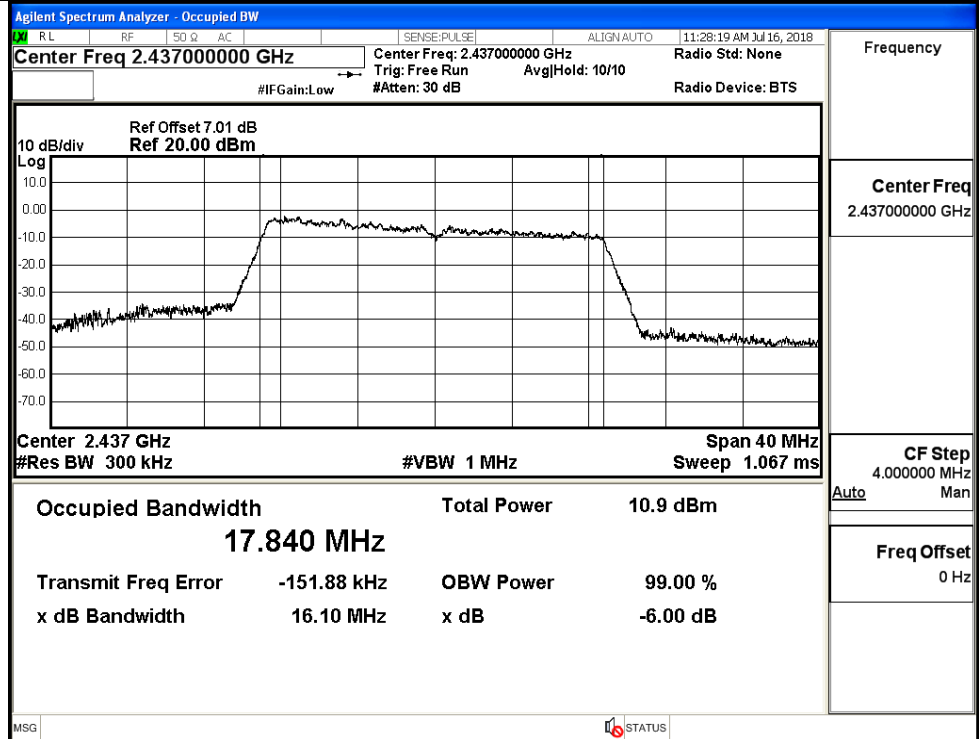
11N20SISO/LCH



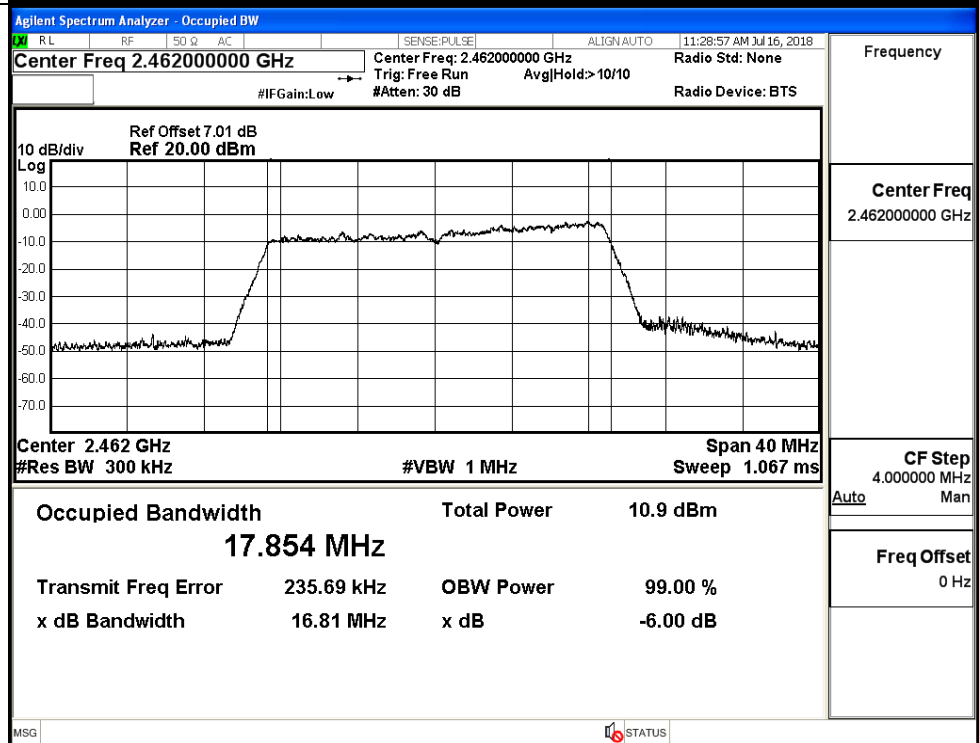
Frequency

Center Freq
2.41200000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

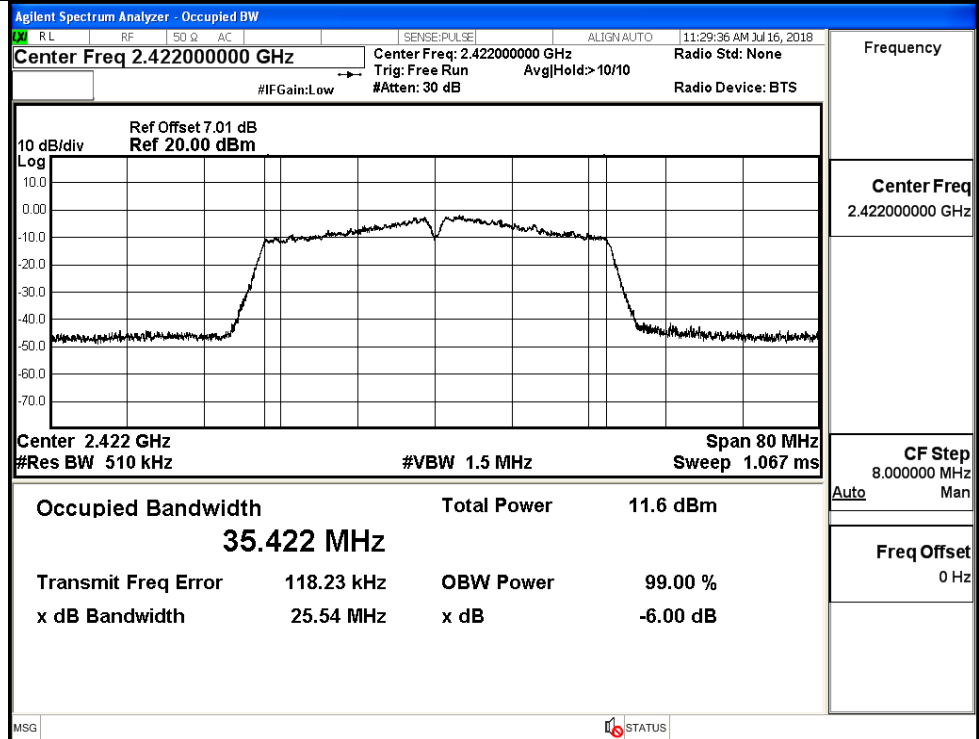
11N20SISO/MCH



11N20SISO/HCH



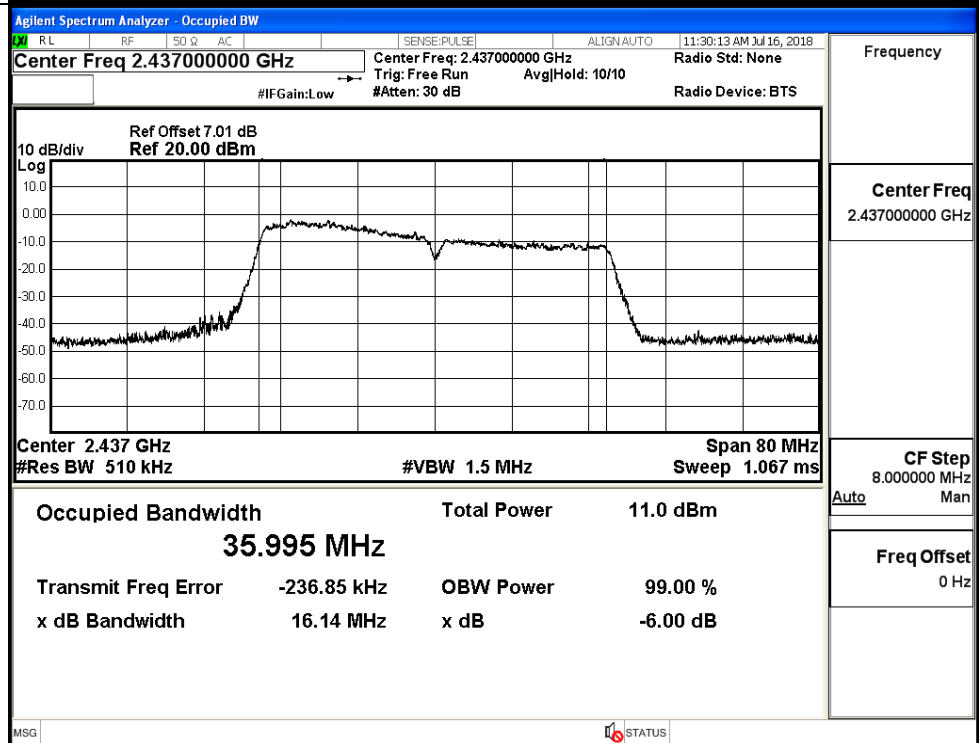
11N40SISO/LCH



Frequency

Center Freq
2.422000000 GHzCF Step
8.000000 MHz
Auto ManFreq Offset
0 Hz

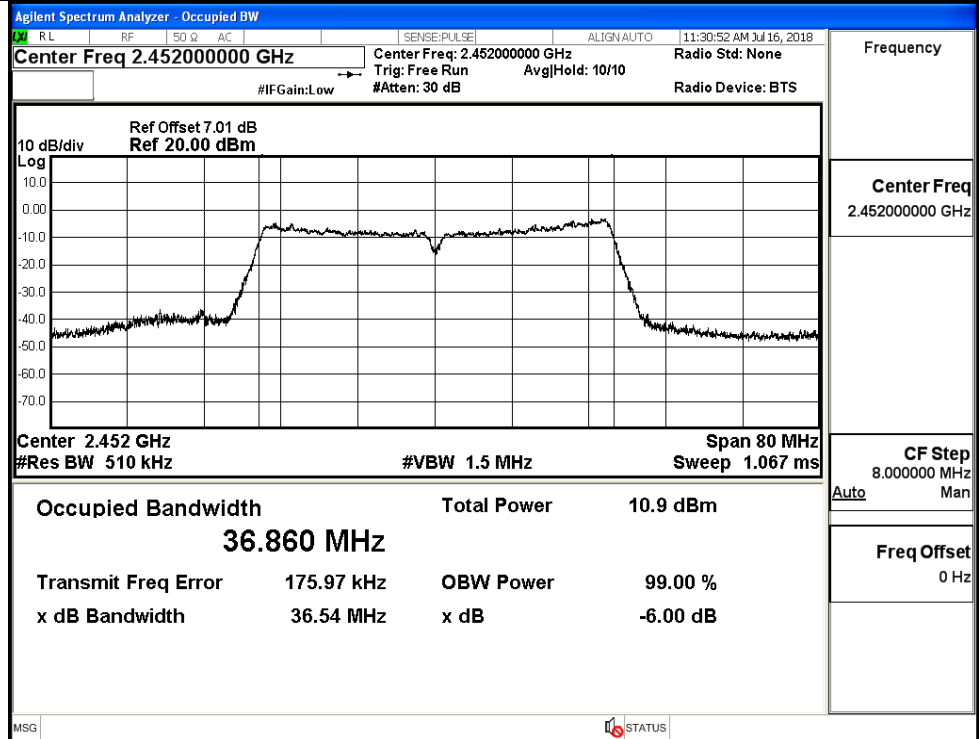
11N40SISO/MCH



Frequency

Center Freq
2.437000000 GHzCF Step
8.000000 MHz
Auto ManFreq Offset
0 Hz

11N40SISO/HCH

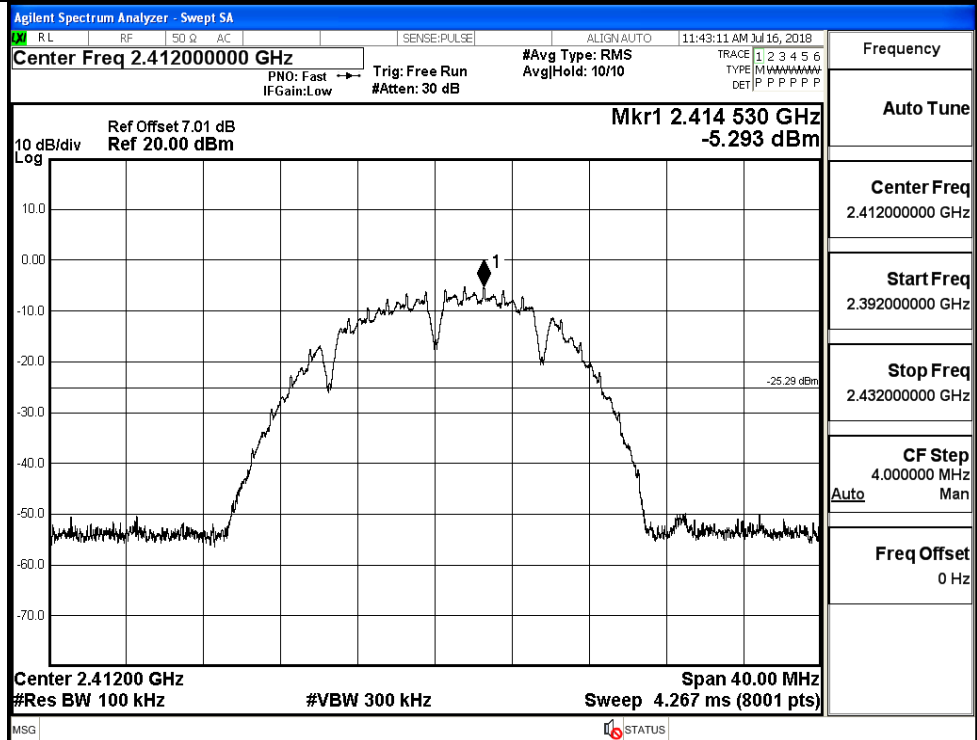


A.5 RF Conducted Spurious Emissions

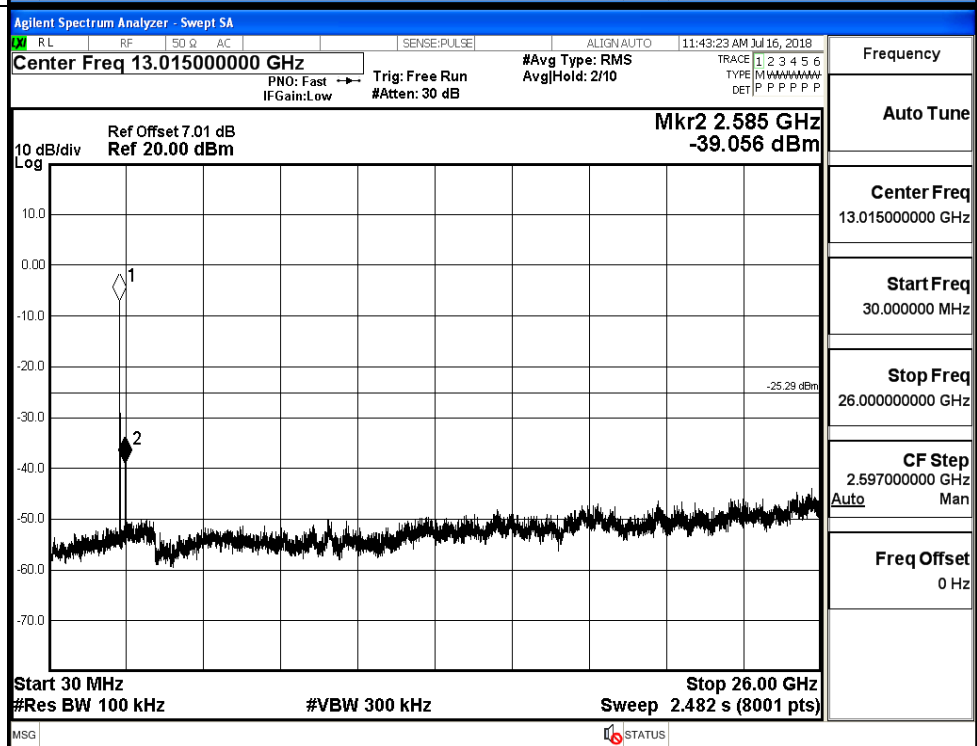
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-5.293	-39.056	-25.293	PASS
	MCH	-4.838	-44.219	-24.838	PASS
	HCH	-5.228	-44.884	-25.228	PASS
11G	LCH	-6.28	-42.578	-26.280	PASS
	MCH	-7.509	-44.228	-27.509	PASS
	HCH	-7.575	-31.514	-27.575	PASS
11N20 SISO	LCH	-5.573	-44.054	-25.573	PASS
	MCH	-7.587	-44.925	-27.587	PASS
	HCH	-6.804	-45.188	-26.804	PASS
11N40 SISO	LCH	-9.254	-44.455	-29.254	PASS
	MCH	-9.539	-43.564	-29.539	PASS
	HCH	-10.325	-43.997	-30.325	PASS

11B_LCH_Graphs

Pref/11B/LCH

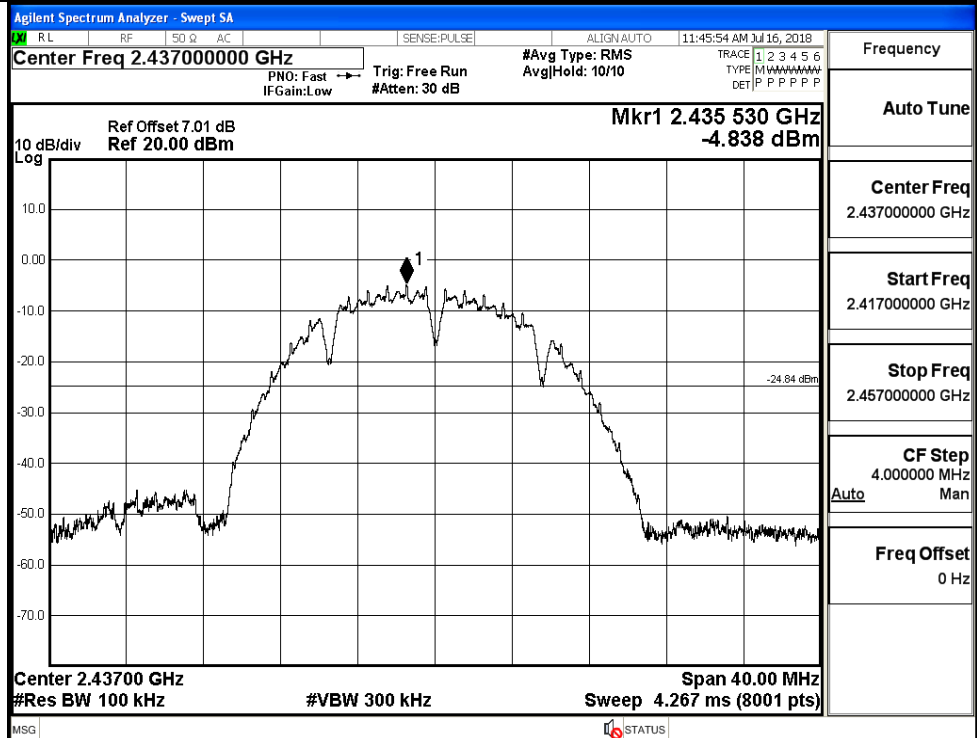


Puw/11B/LCH

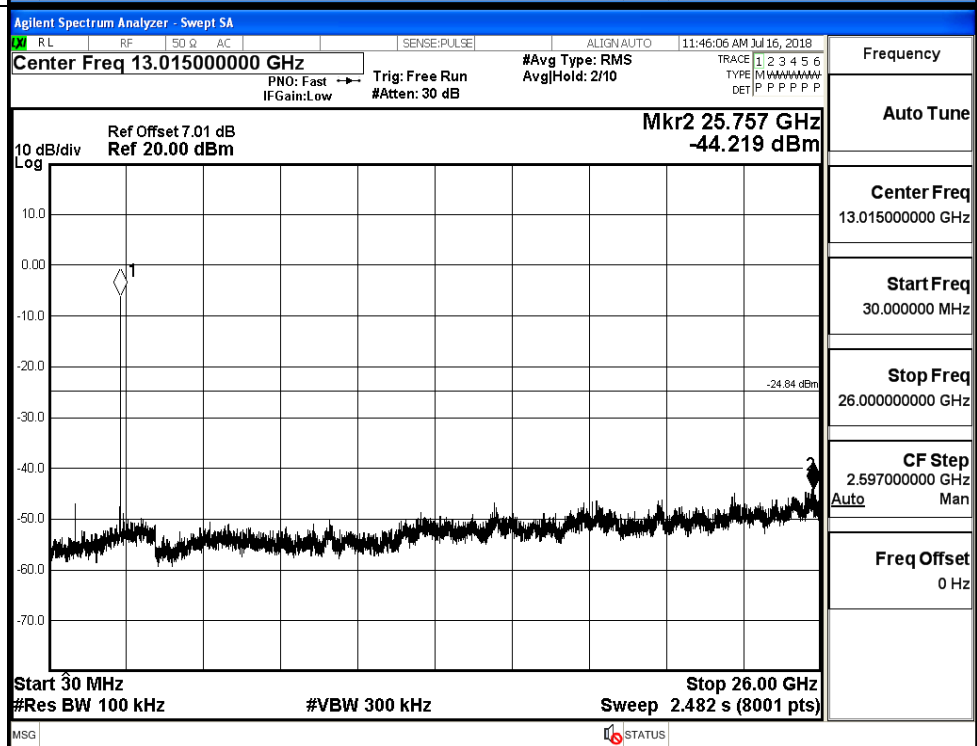


11B_MCH_Graphs

Pref/11B/MCH

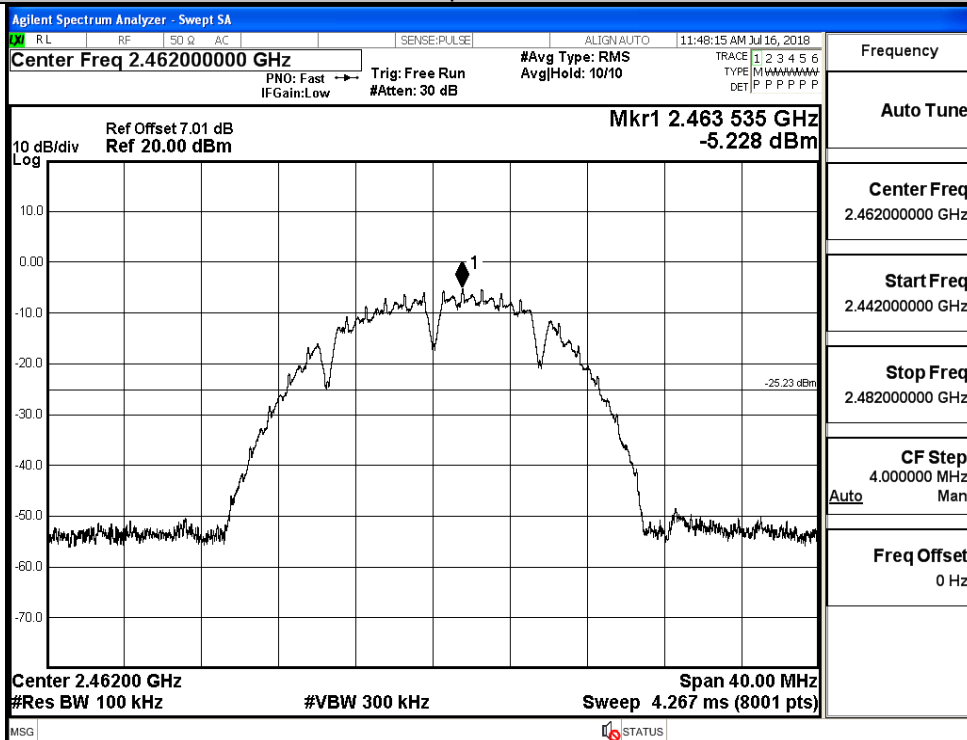


Puw/11B/MCH

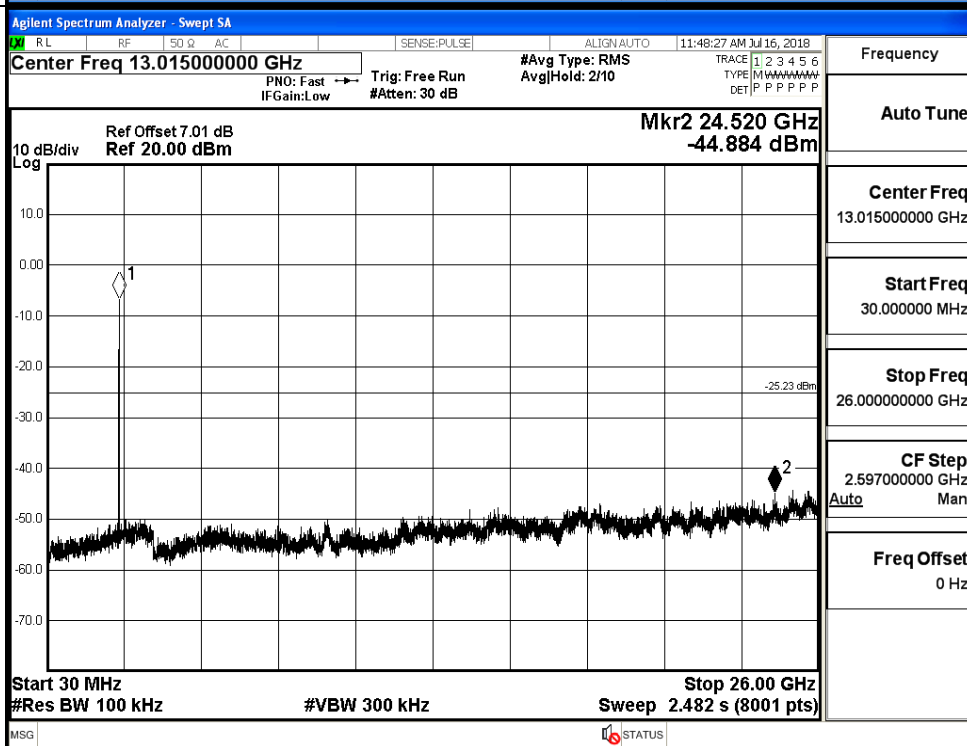


11B_HCH_Graphs

Pref/11B/HCH

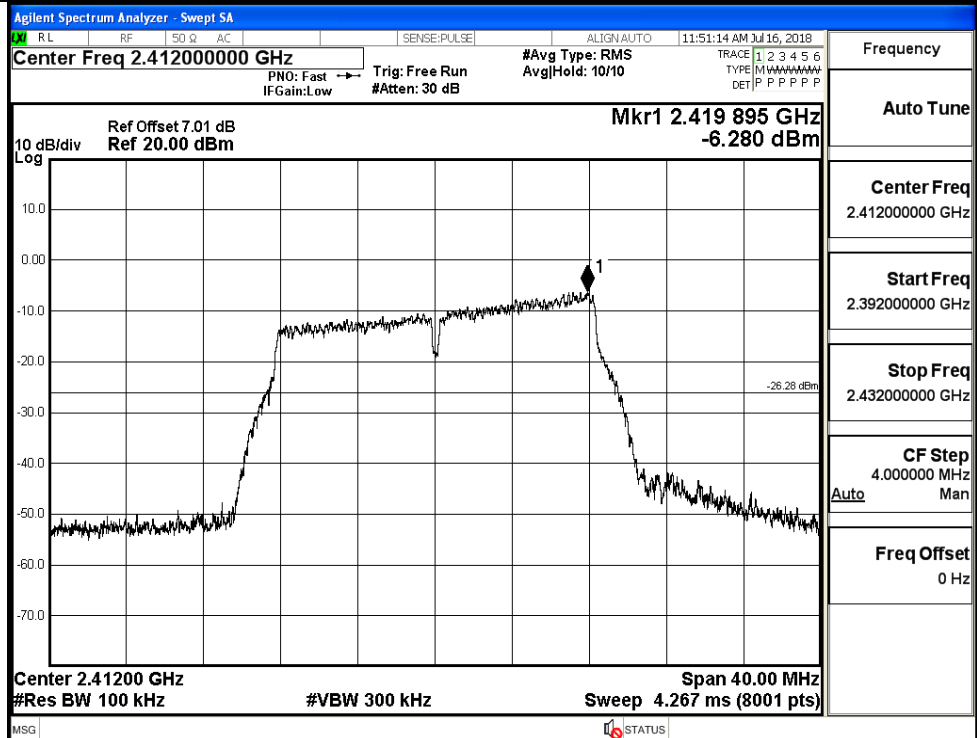


Puw/11B/HCH

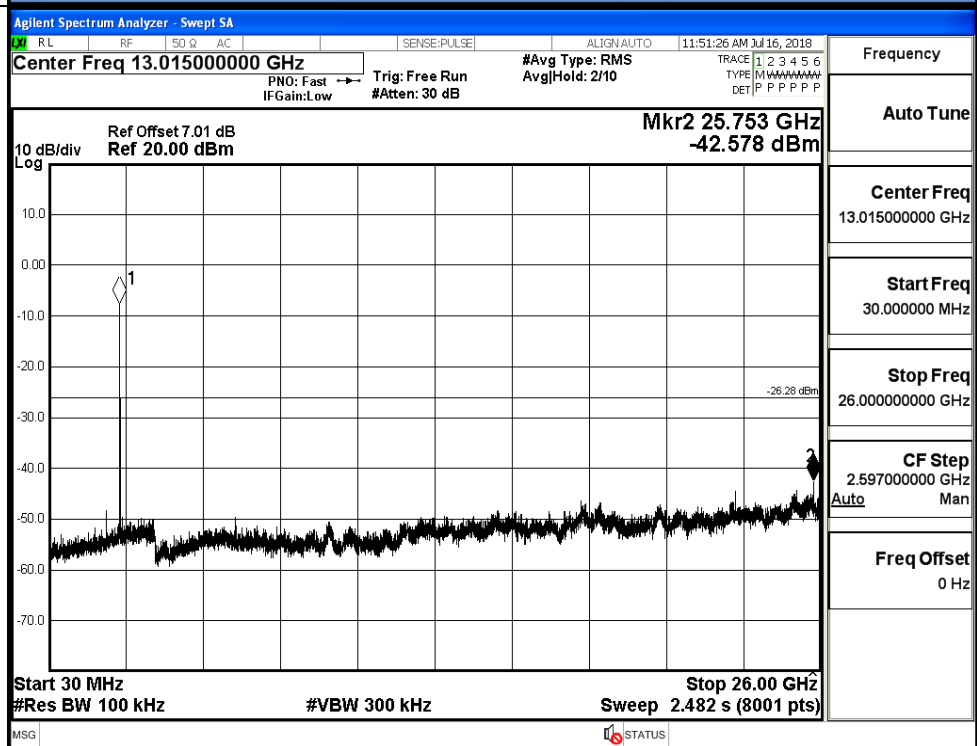


11G_LCH_Graphs

Pref/11G/LCH

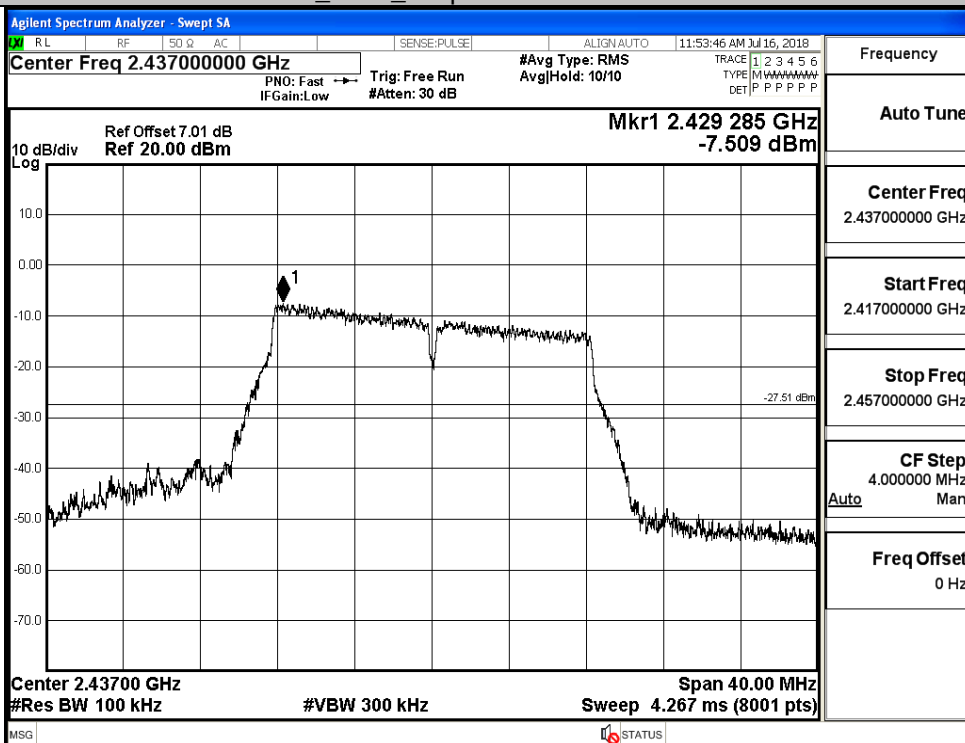


Puw/11G/LCH

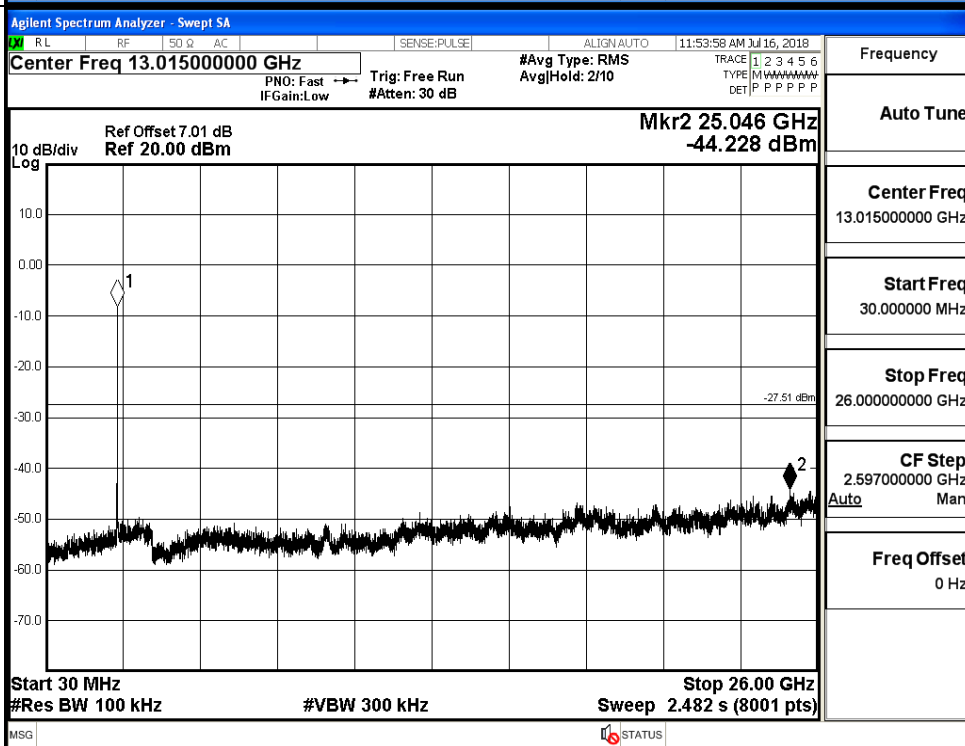


11G_MCH_Graphs

Pref/11G/MCH

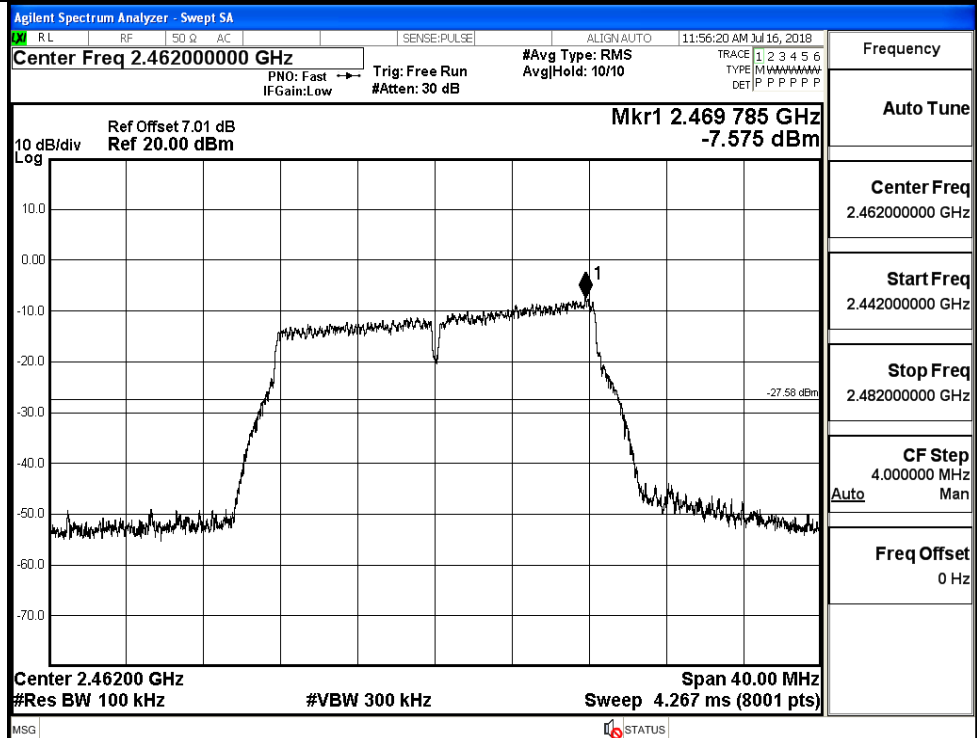


Puw/11G/MCH

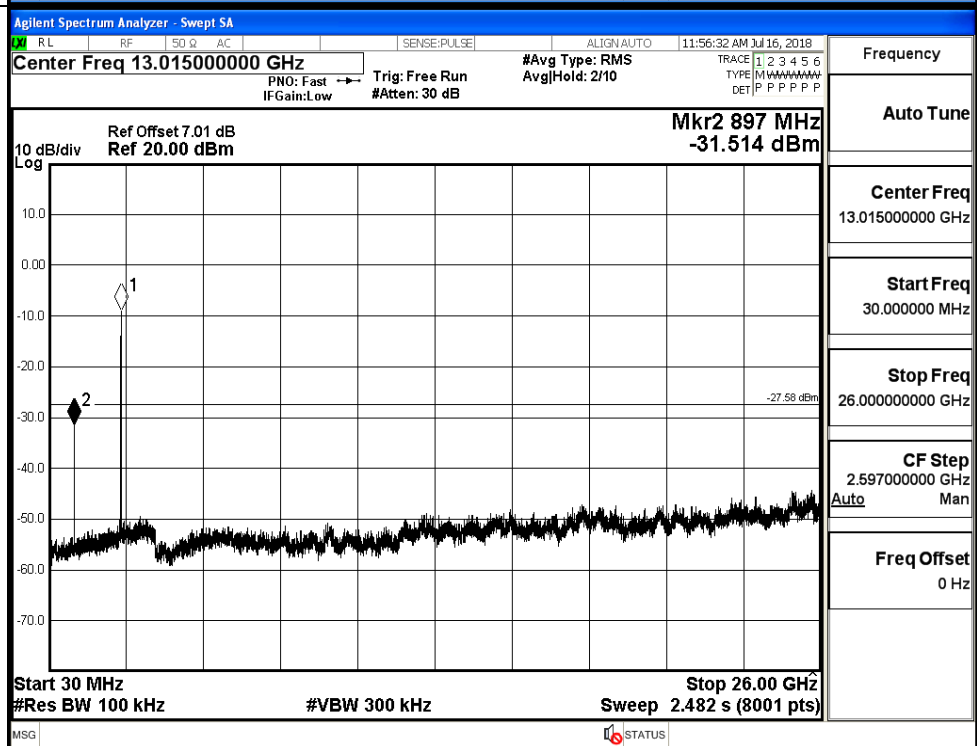


11G_HCH_Graphs

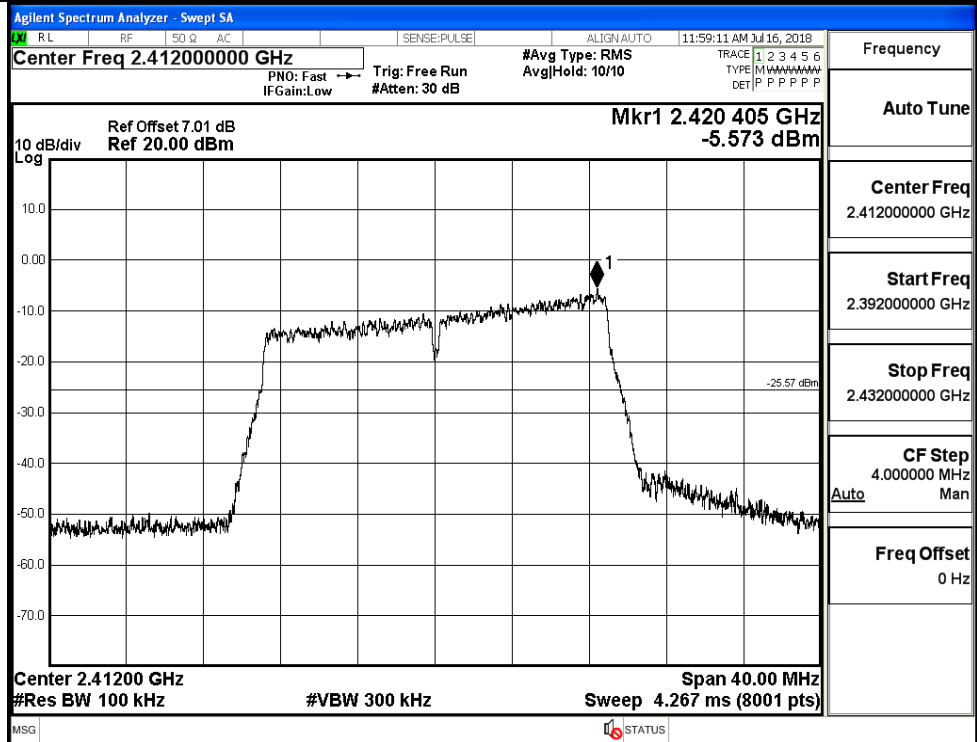
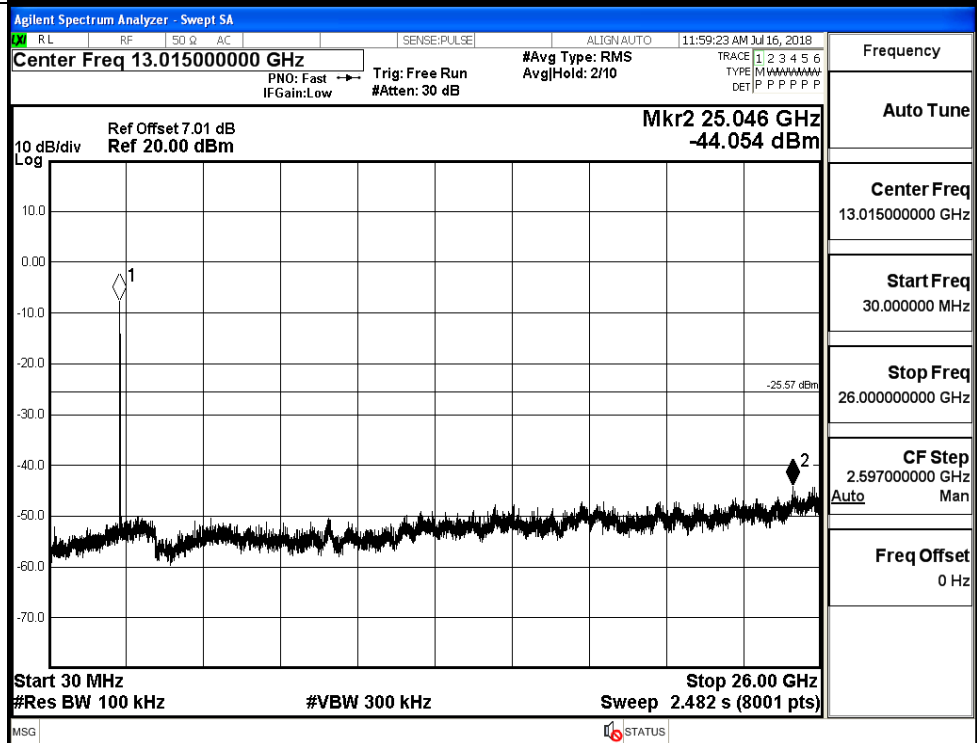
Pref/11G/HCH



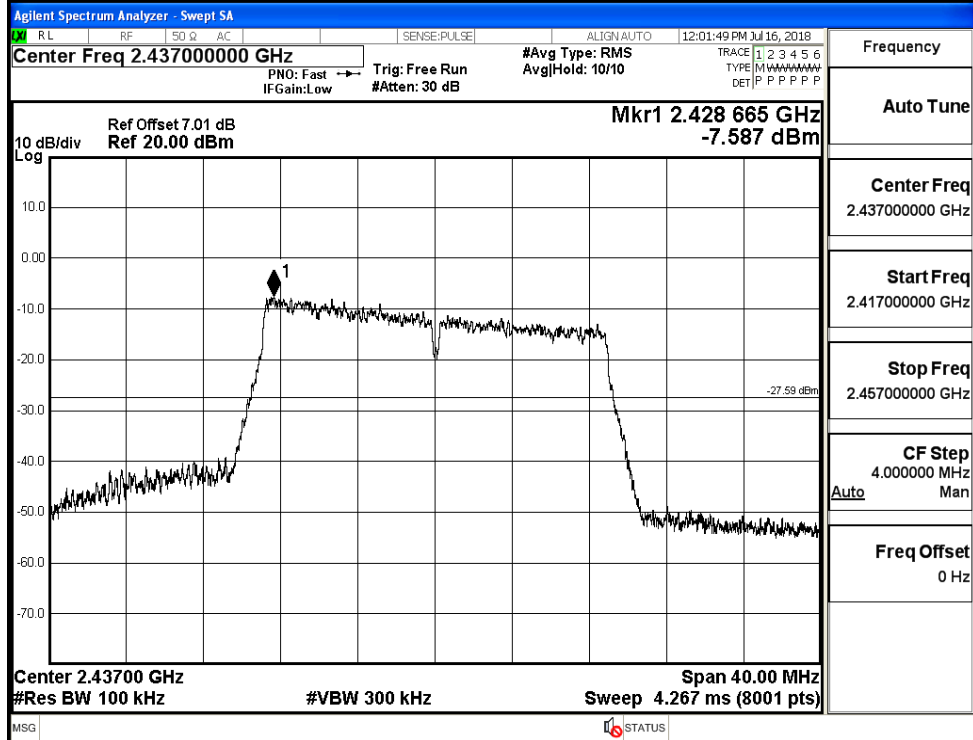
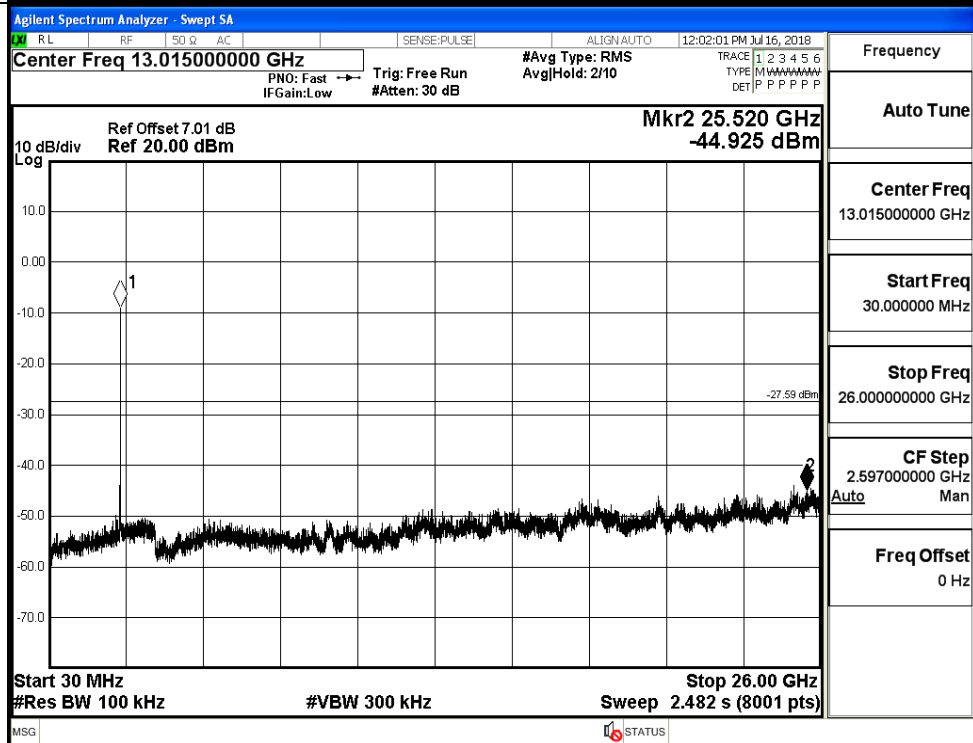
Puw/11G/HCH



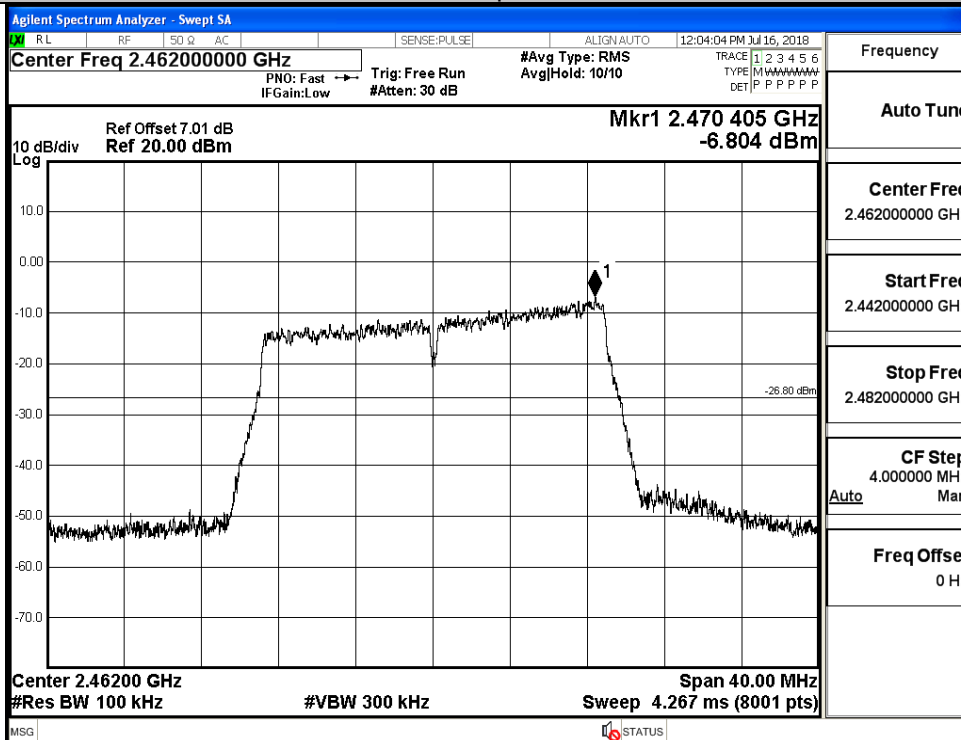
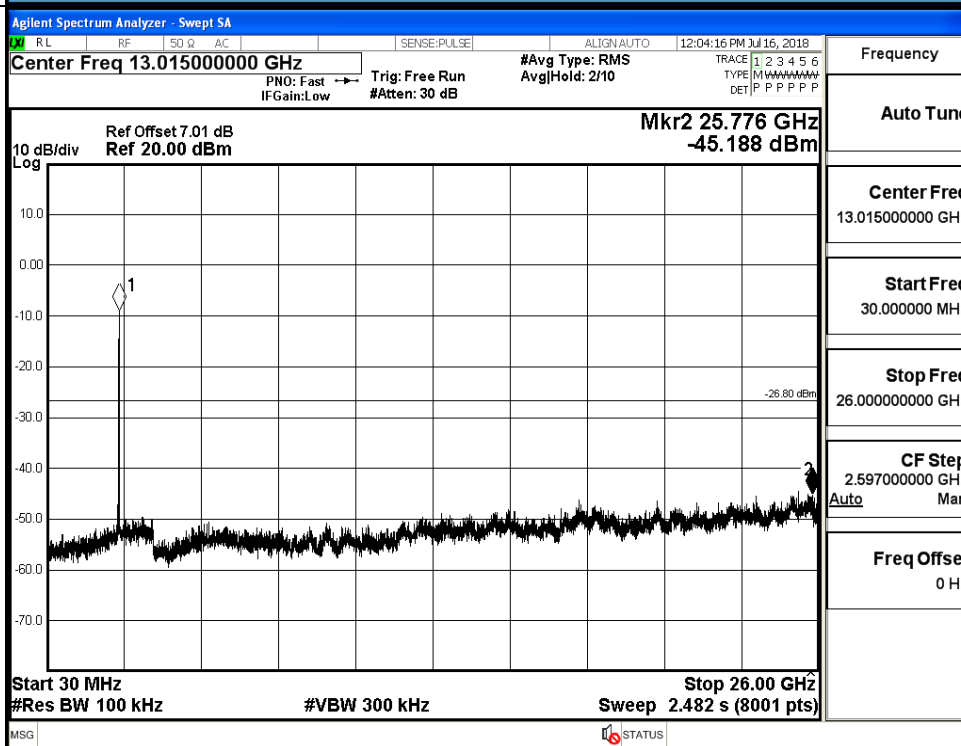
11N20ISO_LCH_Graphs

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

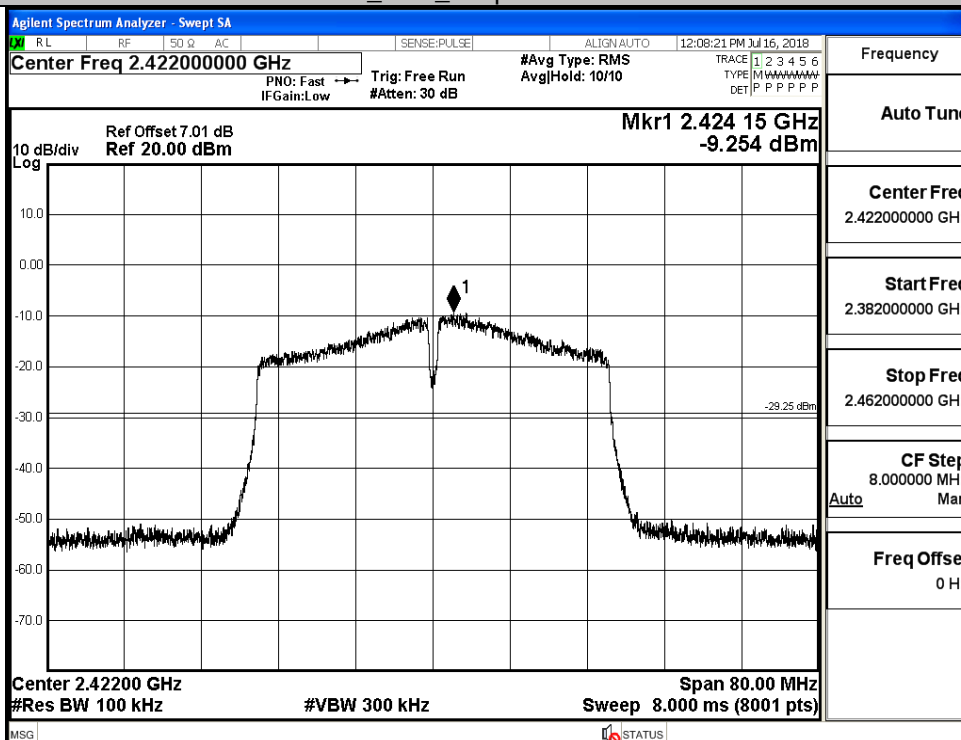
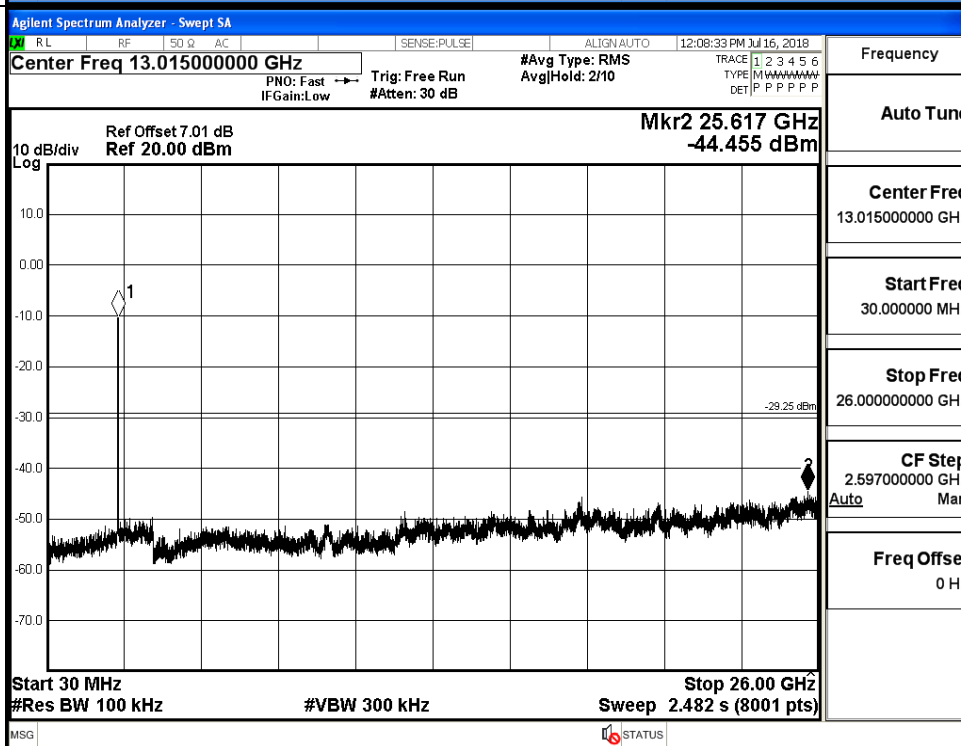
11N20ISO_MCH_Graphs

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

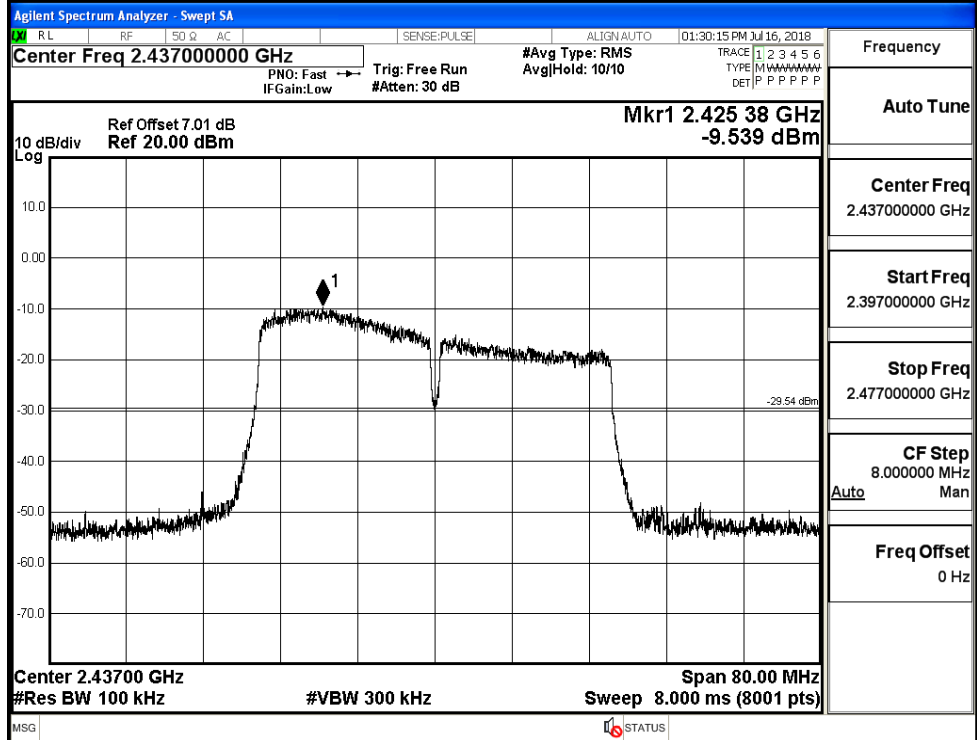
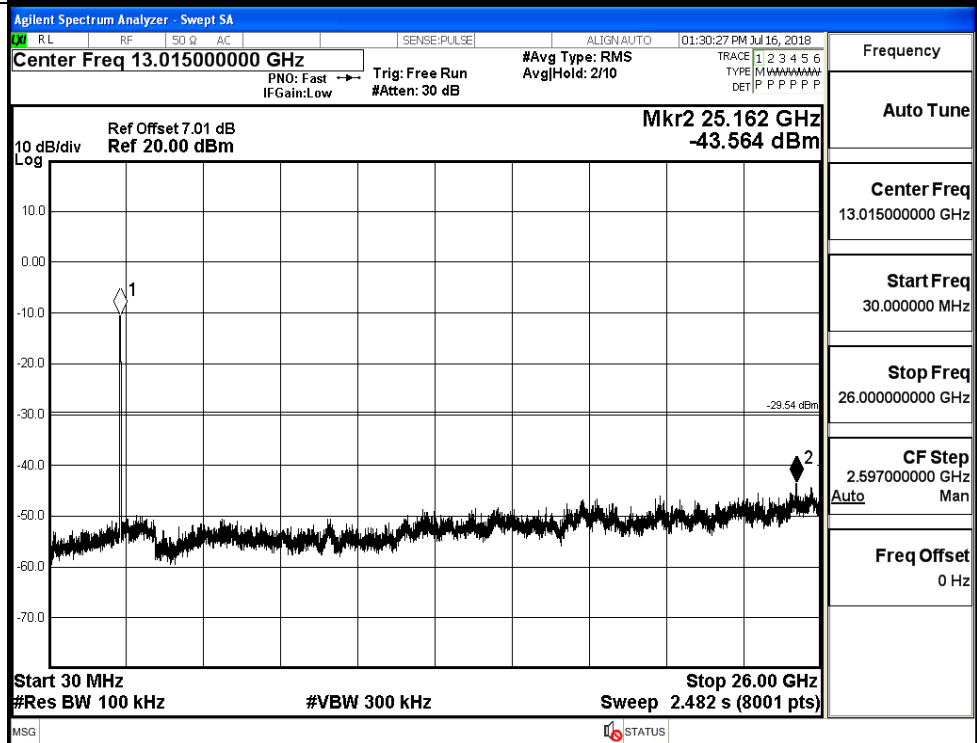
11N20ISO_HCH_Graphs

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

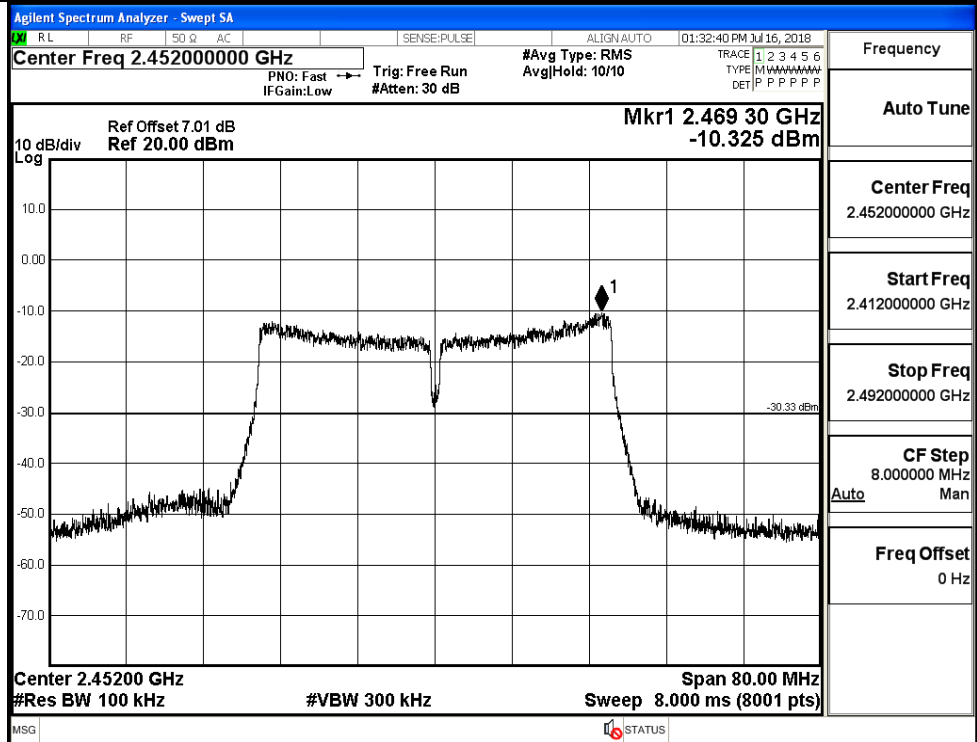
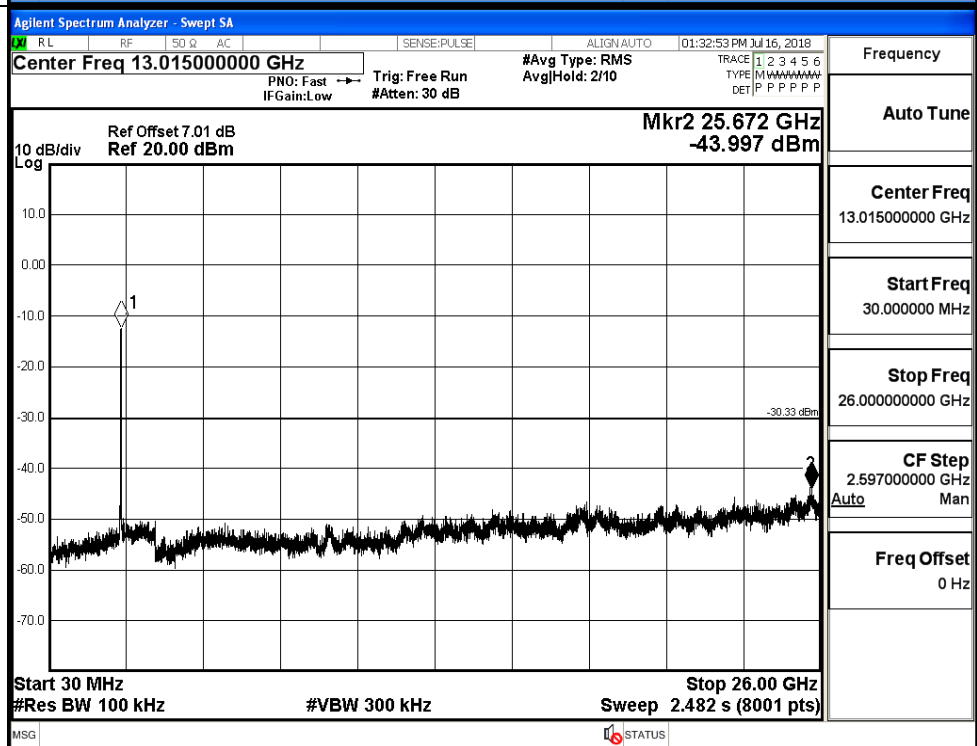
11N40SISO_LCH_Graphs

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

11N40SISO_MCH_Graphs

Pref/11N40
SISO/MCHPuw/11N40
SISO/MCH

11N40SISO_HCH_Graphs

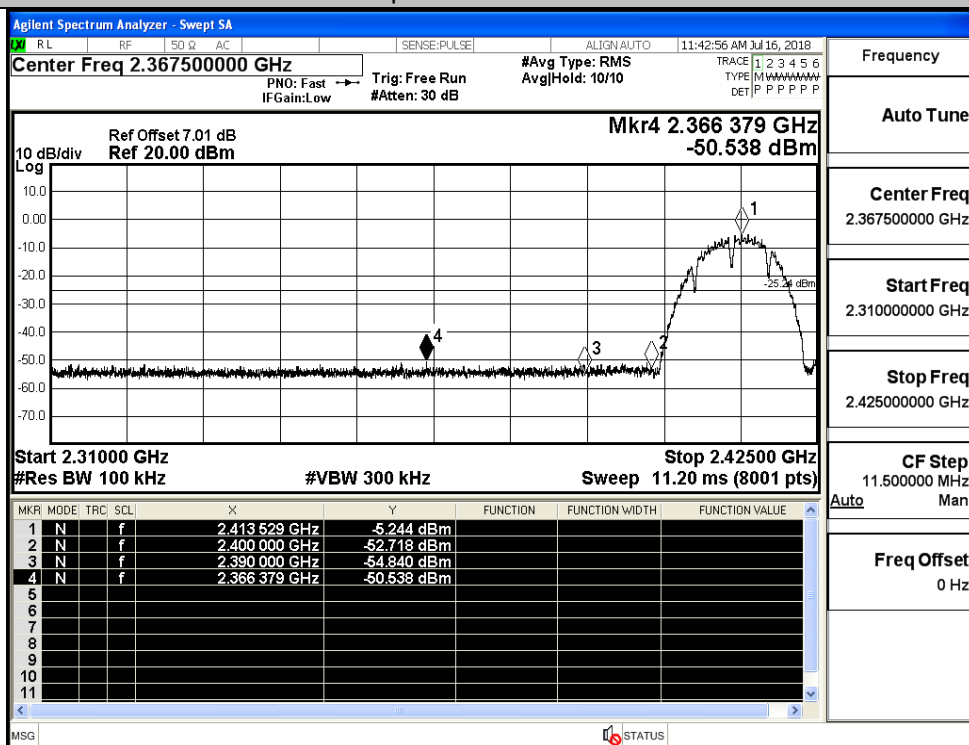
Pref/11N40
SISO/HCHPuw/11N40
SISO/HCH

A.6 Band-edge for RF Conducted Emissions

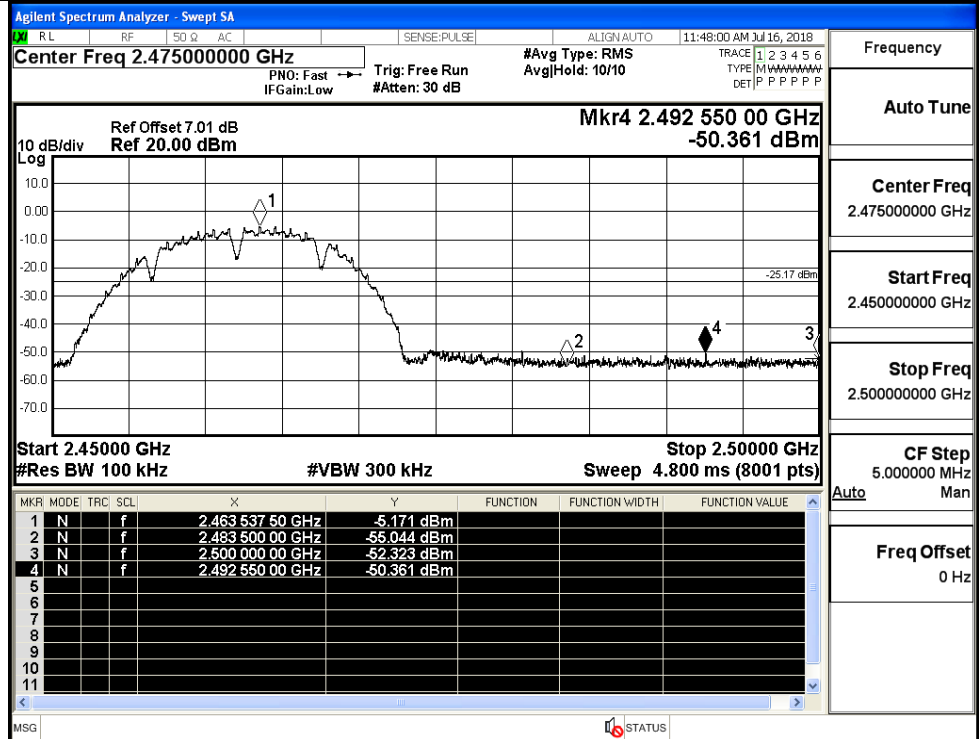
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-5.244	-50.538	-25.24	PASS
	HCH	-5.171	-50.361	-25.17	PASS
11G	LCH	-6.106	-50.132	-26.11	PASS
	HCH	-7.561	-50.640	-27.56	PASS
11N20SISO	LCH	-5.786	-51.100	-25.79	PASS
	HCH	-6.720	-50.605	-26.72	PASS
11N40SISO	LCH	-9.487	-51.090	-29.49	PASS
	HCH	-9.963	-49.948	-29.96	PASS

Test Graphs

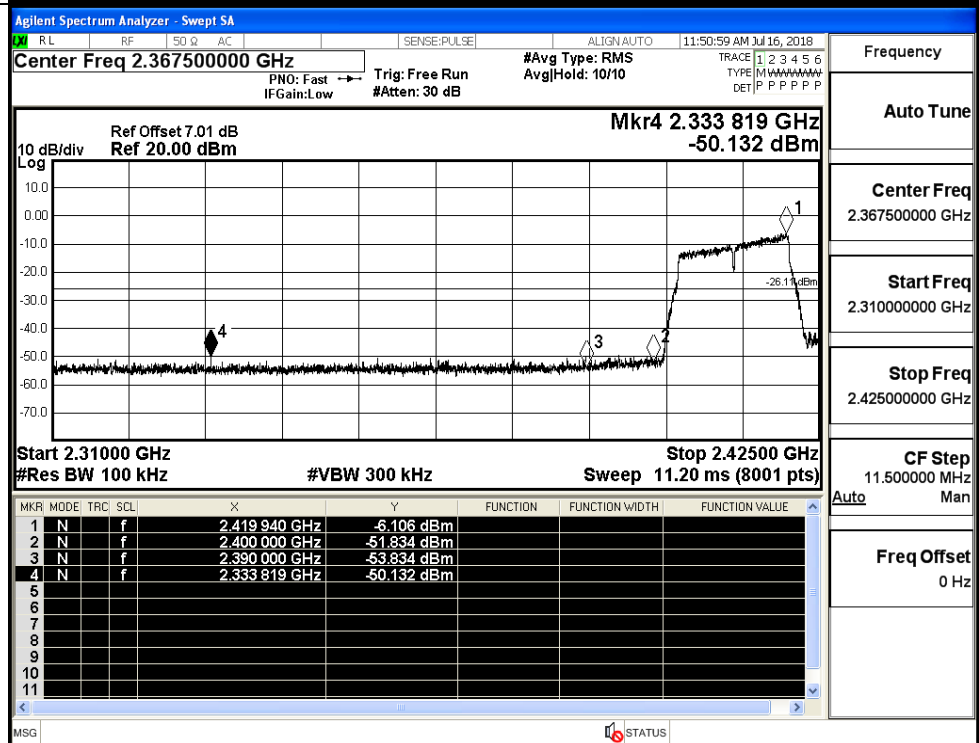
11B/LCH



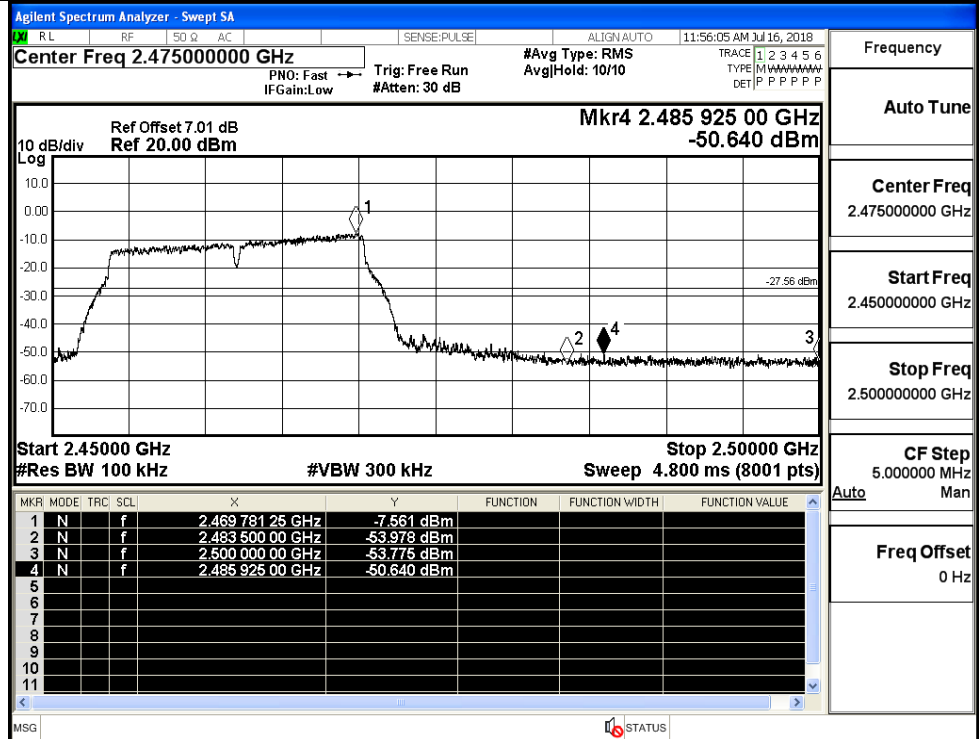
11B/HCH



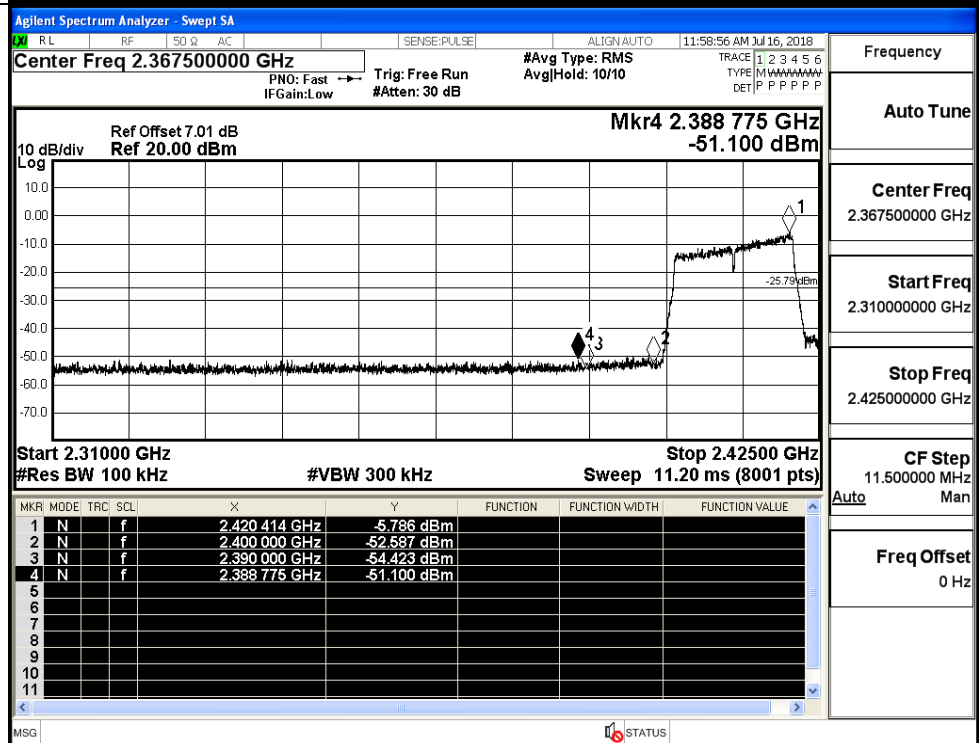
11G/LCH



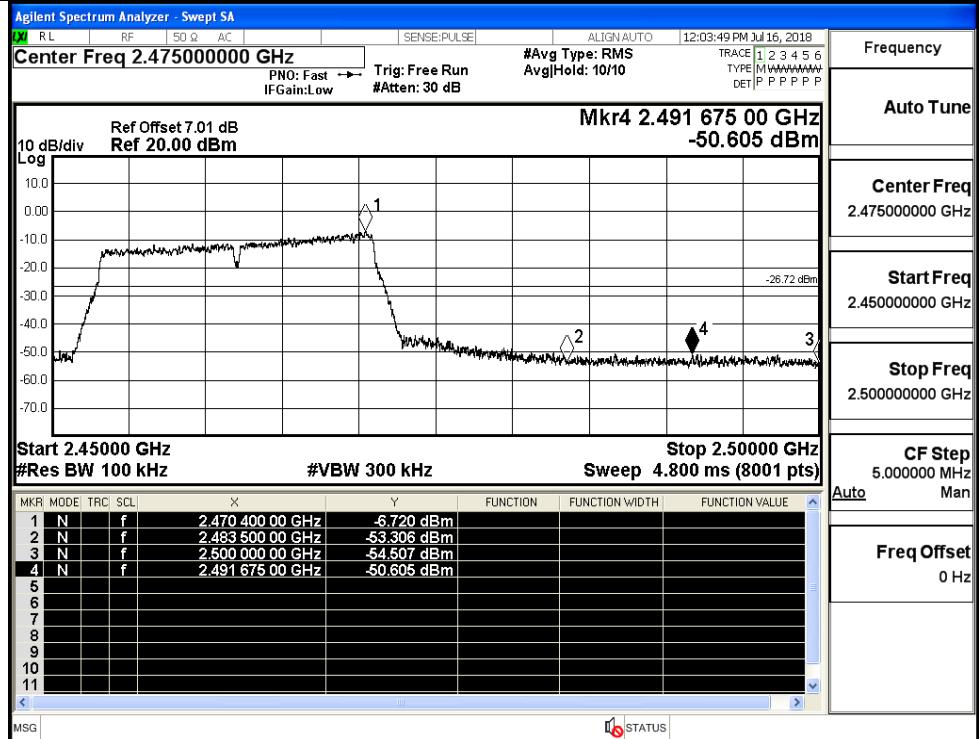
11G/HCH



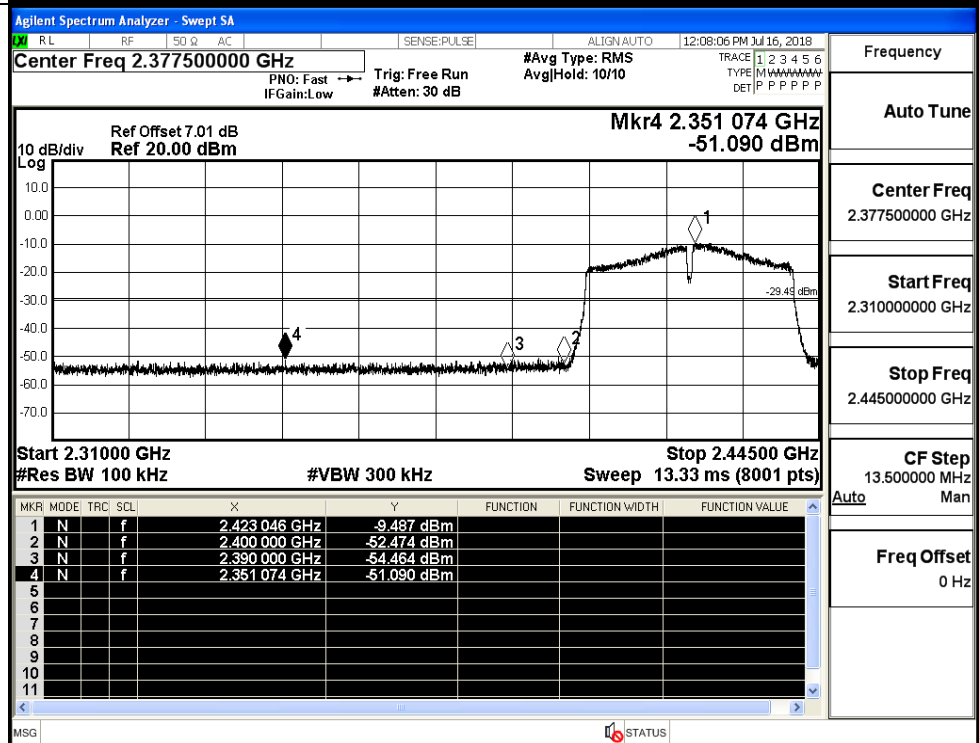
11N20SISO/LCH



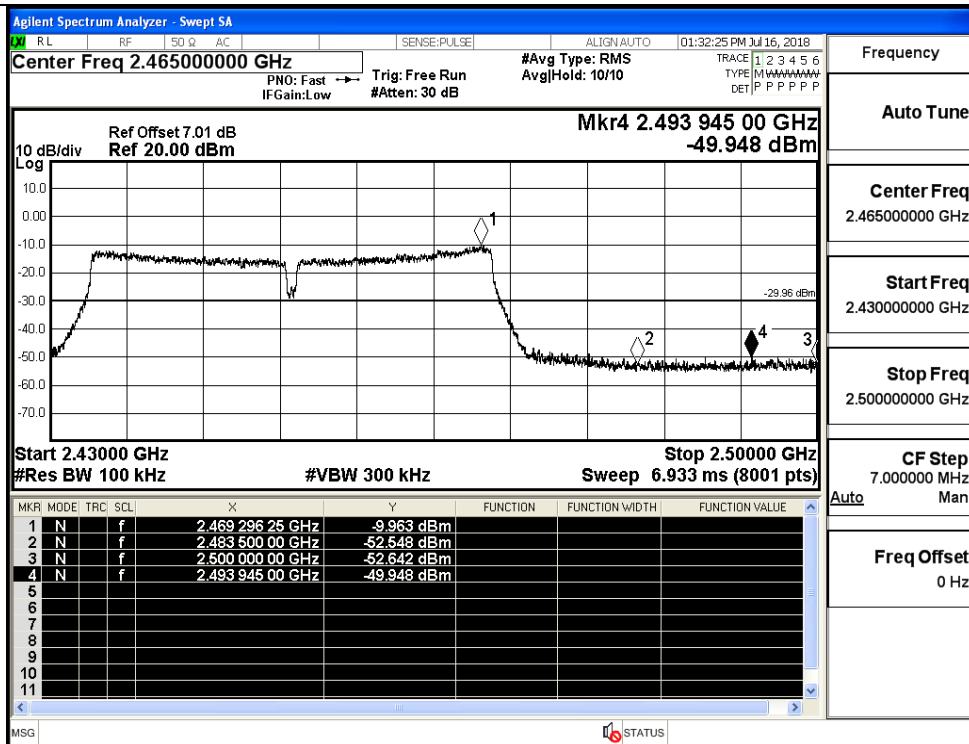
11N20SISO/HCH



11N40SISO/LCH



11N40SISO/HCH

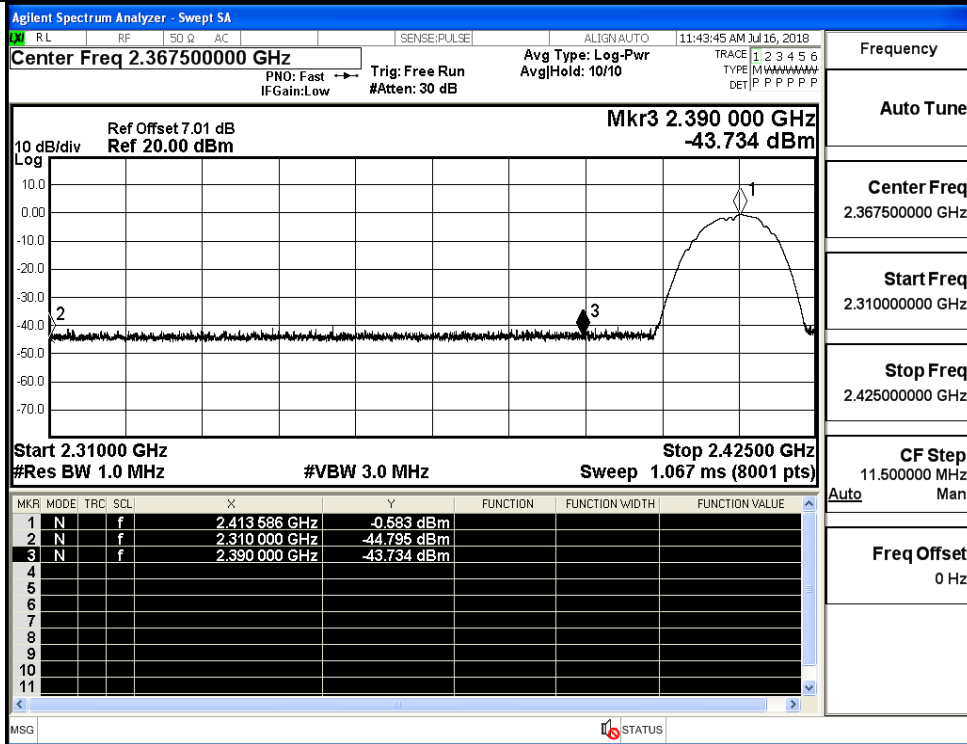


A.7 Restrict-band band-edge measurements

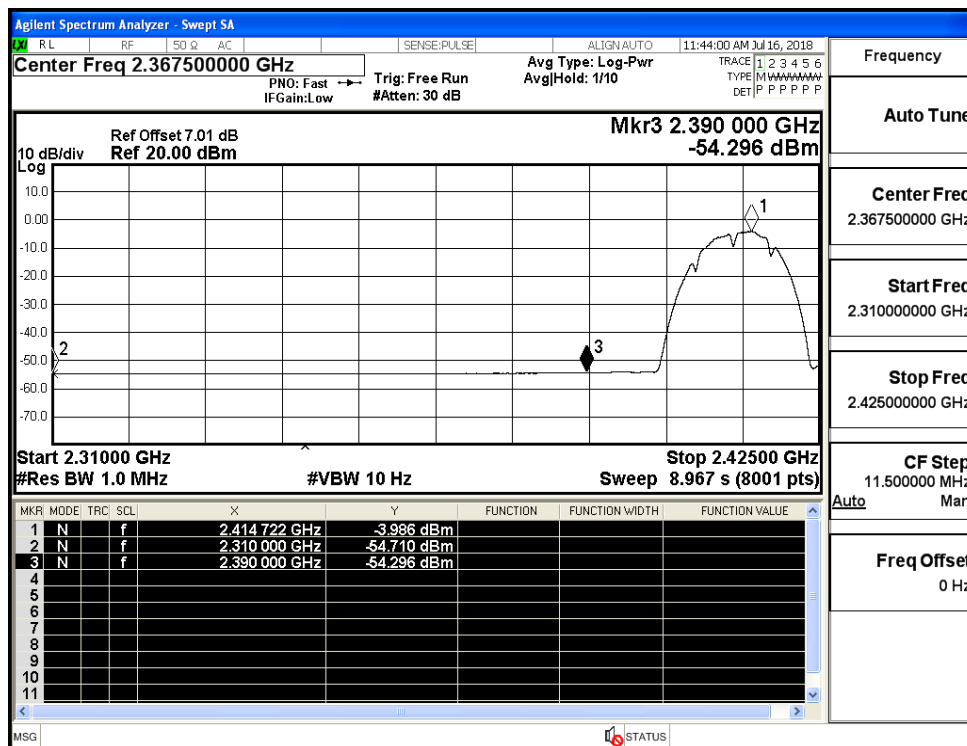
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-44.80	2.0	0	52.46	PEAK	74	PASS
	2412	Ant1	2310.0	-54.71	2.0	0	42.55	AV	54	PASS
	2412	Ant1	2390.0	-43.73	2.0	0	53.52	PEAK	74	PASS
	2412	Ant1	2390.0	-54.30	2.0	0	42.96	AV	54	PASS
	2462	Ant1	2483.5	-42.75	2.0	0	54.51	PEAK	74	PASS
	2462	Ant1	2483.5	-54.05	2.0	0	43.20	AV	54	PASS
	2462	Ant1	2500.0	-44.14	2.0	0	53.12	PEAK	74	PASS
	2462	Ant1	2500.0	-54.06	2.0	0	43.20	AV	54	PASS
11G	2412	Ant1	2310.0	-43.56	2.0	0	53.69	PEAK	74	PASS
	2412	Ant1	2310.0	-54.65	2.0	0	42.61	AV	54	PASS
	2412	Ant1	2390.0	-43.20	2.0	0	54.06	PEAK	74	PASS
	2412	Ant1	2390.0	-53.78	2.0	0	43.48	AV	54	PASS
	2462	Ant1	2483.5	-42.30	2.0	0	54.95	PEAK	74	PASS
	2462	Ant1	2483.5	-53.35	2.0	0	43.91	AV	54	PASS
	2462	Ant1	2500.0	-41.78	2.0	0	55.48	PEAK	74	PASS
	2462	Ant1	2500.0	-53.93	2.0	0	43.33	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.88	2.0	0	53.38	PEAK	74	PASS
	2412	Ant1	2310.0	-54.68	2.0	0	42.58	AV	54	PASS
	2412	Ant1	2390.0	-42.92	2.0	0	54.34	PEAK	74	PASS
	2412	Ant1	2390.0	-53.70	2.0	0	43.56	AV	54	PASS
	2462	Ant1	2483.5	-42.52	2.0	0	54.73	PEAK	74	PASS
	2462	Ant1	2483.5	-53.25	2.0	0	44.01	AV	54	PASS
	2462	Ant1	2500.0	-43.96	2.0	0	53.30	PEAK	74	PASS
	2462	Ant1	2500.0	-53.96	2.0	0	43.29	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-43.07	2.0	0	54.18	PEAK	74	PASS
	2422	Ant1	2310.0	-54.65	2.0	0	42.61	AV	54	PASS

	2422	Ant1	2390.0	-43.16	2.0	0	54.10	PEAK	74	PASS
	2422	Ant1	2390.0	-53.93	2.0	0	43.33	AV	54	PASS
	2452	Ant1	2483.5	-41.79	2.0	0	55.46	PEAK	74	PASS
	2452	Ant1	2483.5	-53.16	2.0	0	44.09	AV	54	PASS
	2452	Ant1	2500.0	-42.00	2.0	0	55.26	PEAK	74	PASS
	2452	Ant1	2500.0	-53.57	2.0	0	43.69	AV	54	PASS

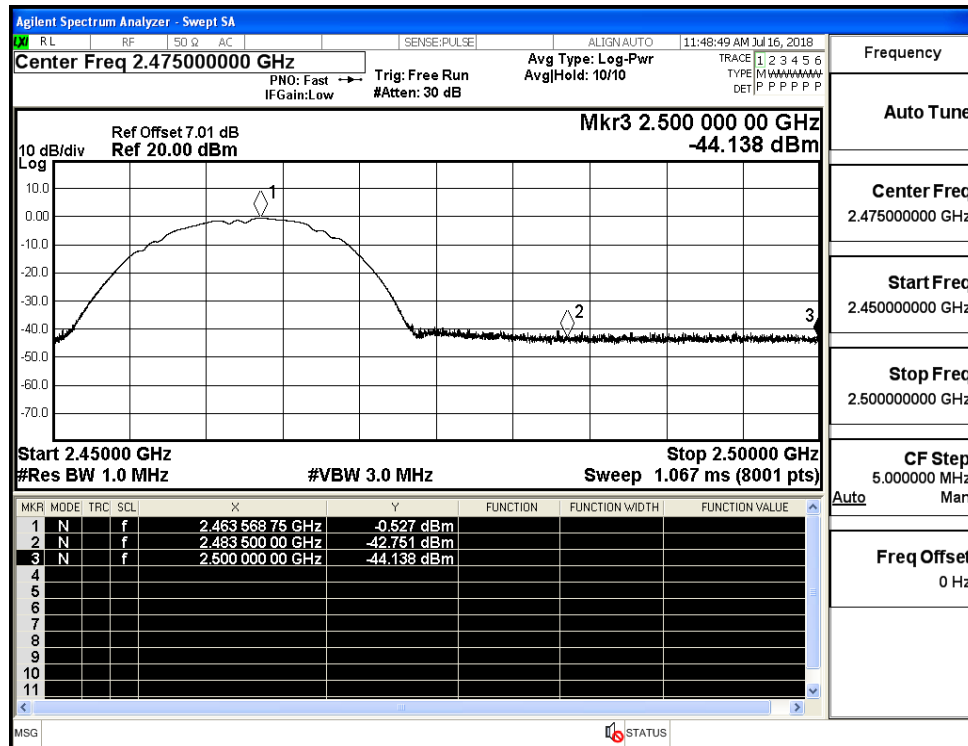
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



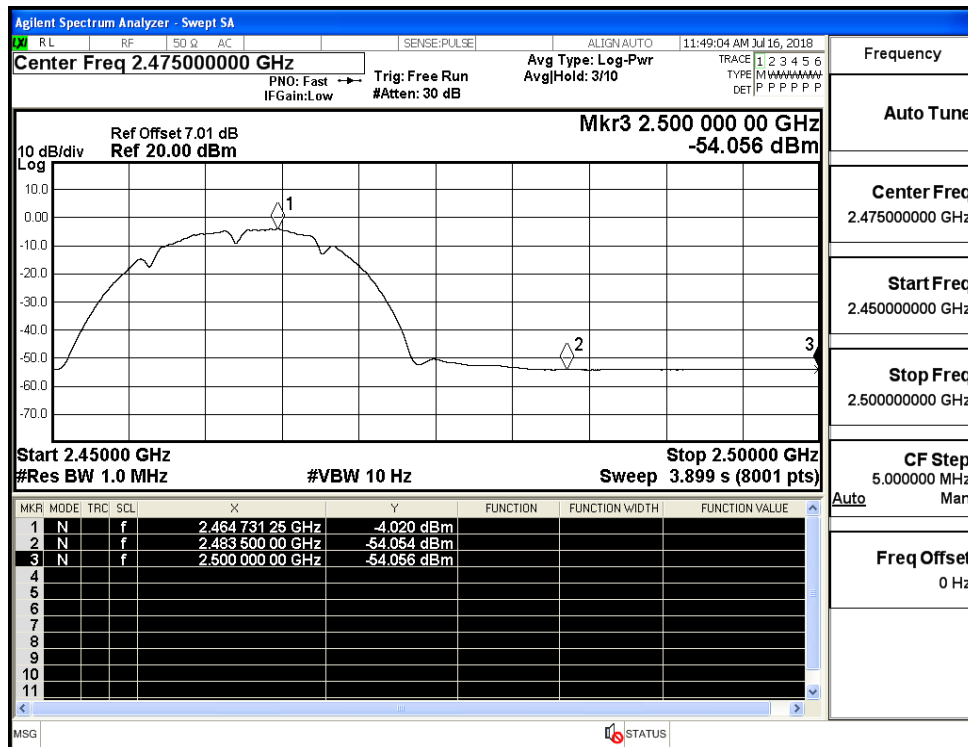
Restrict-band band-edge measurements_11B_2412_Ant1_AV



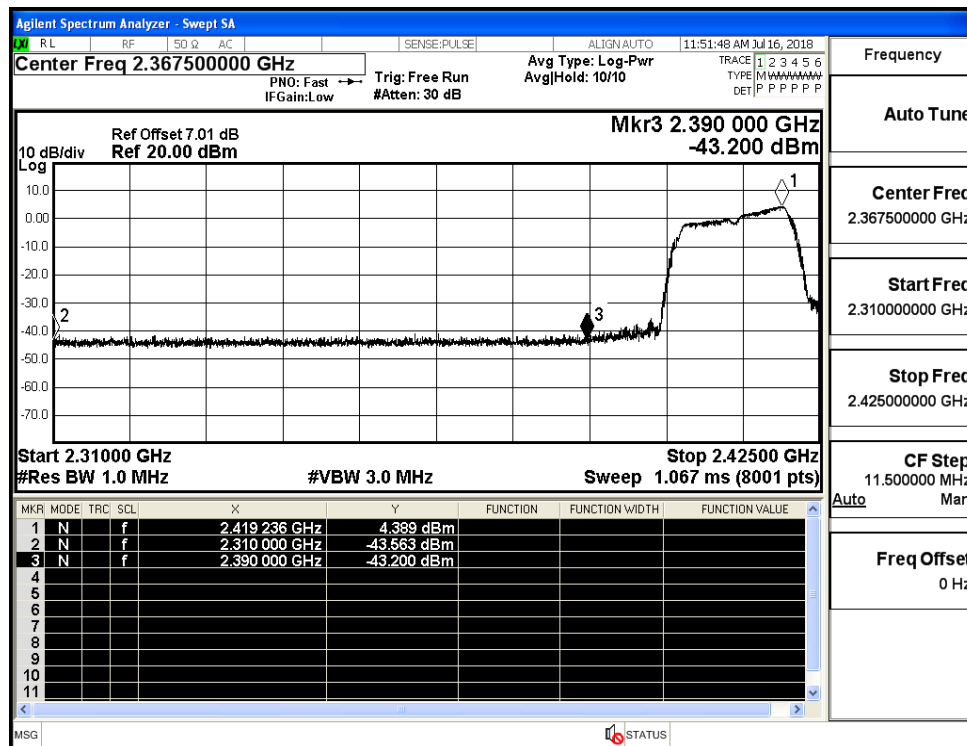
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



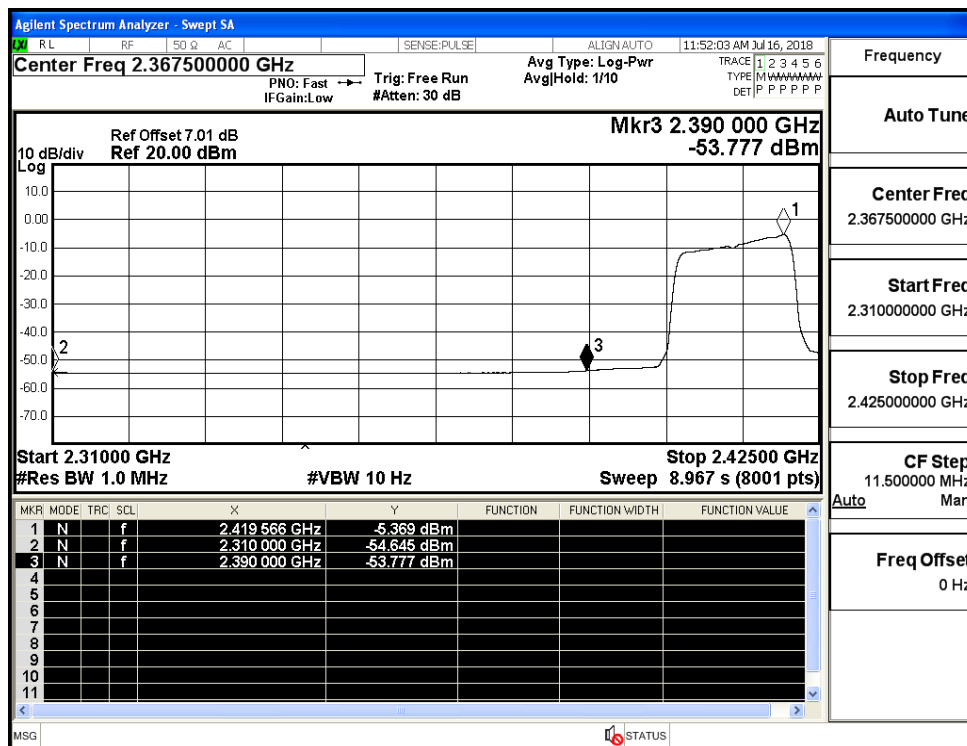
Restrict-band band-edge measurements_11B_2462_Ant1_AV



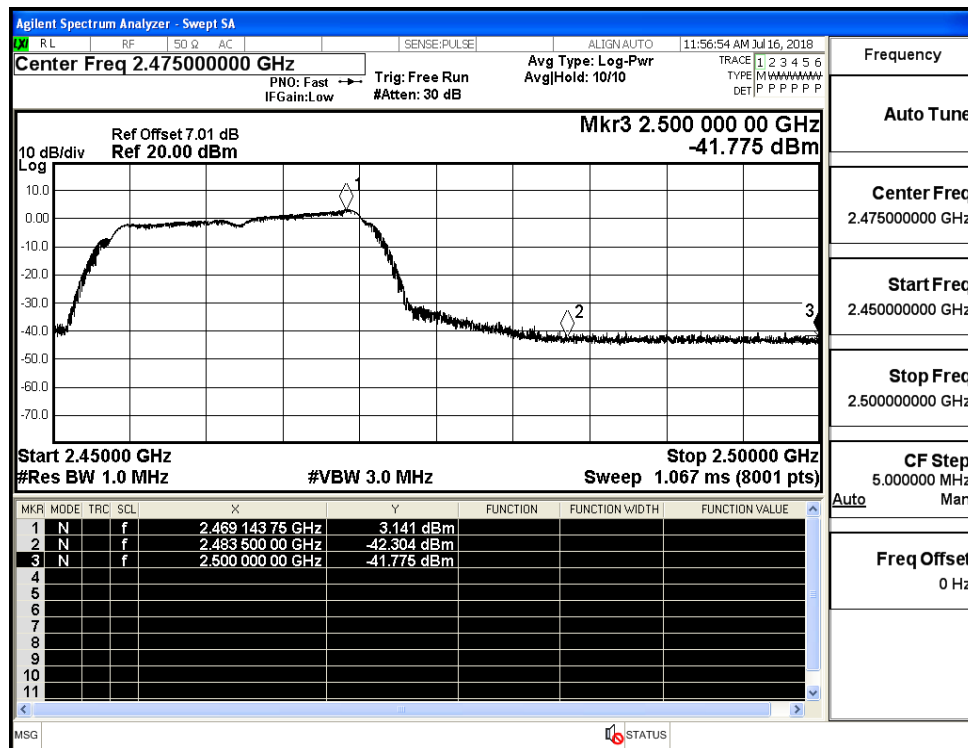
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



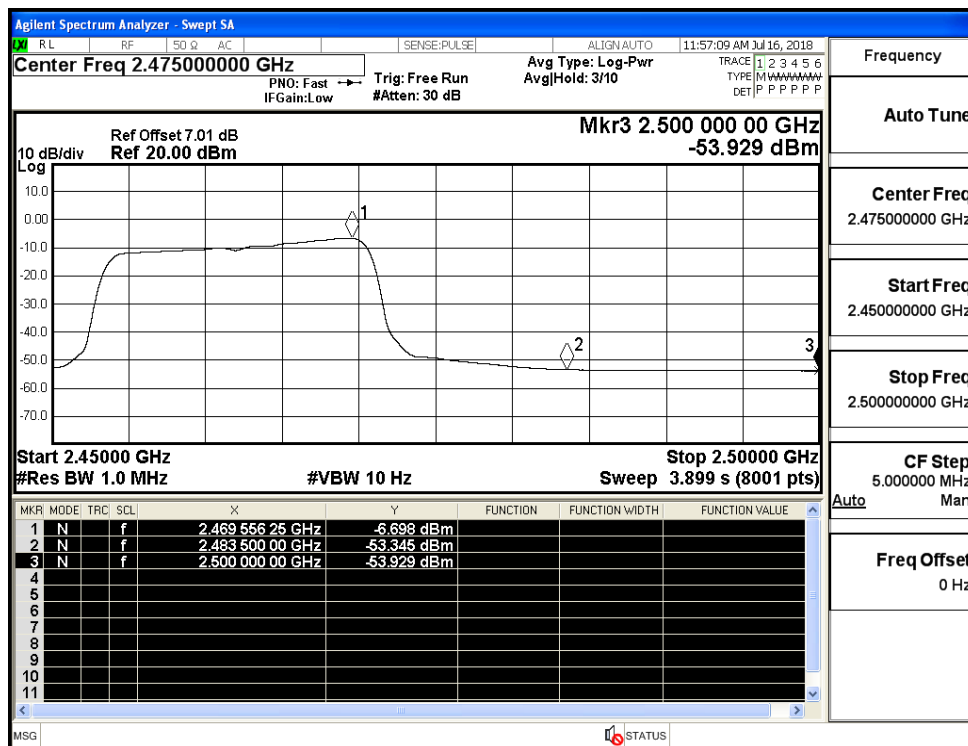
Restrict-band band-edge measurements_11G_2412_Ant1_AV



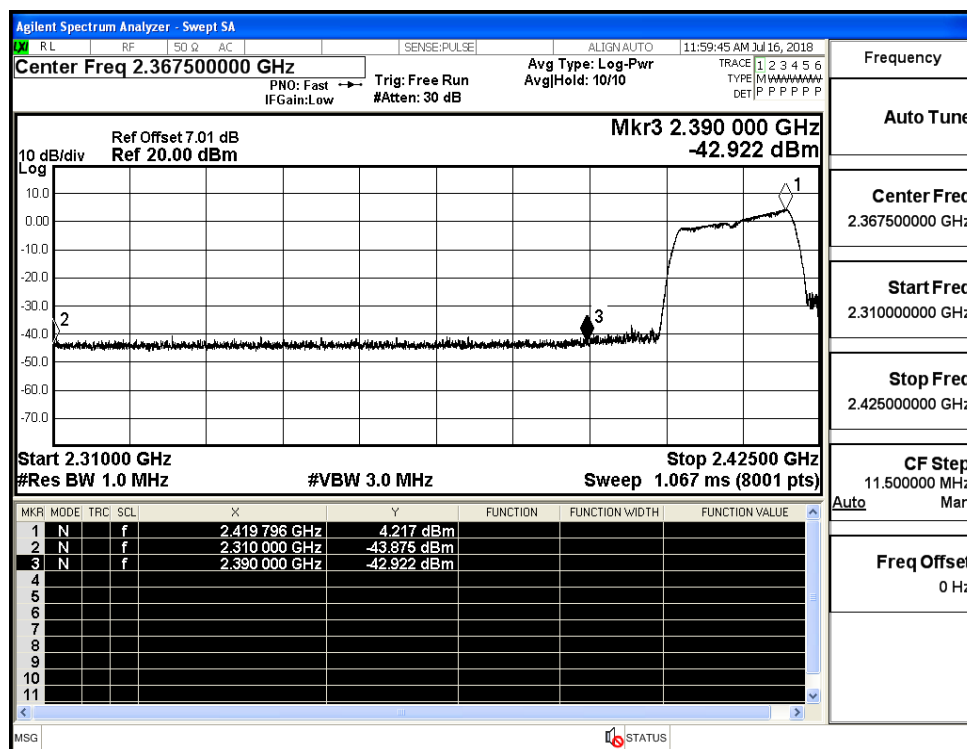
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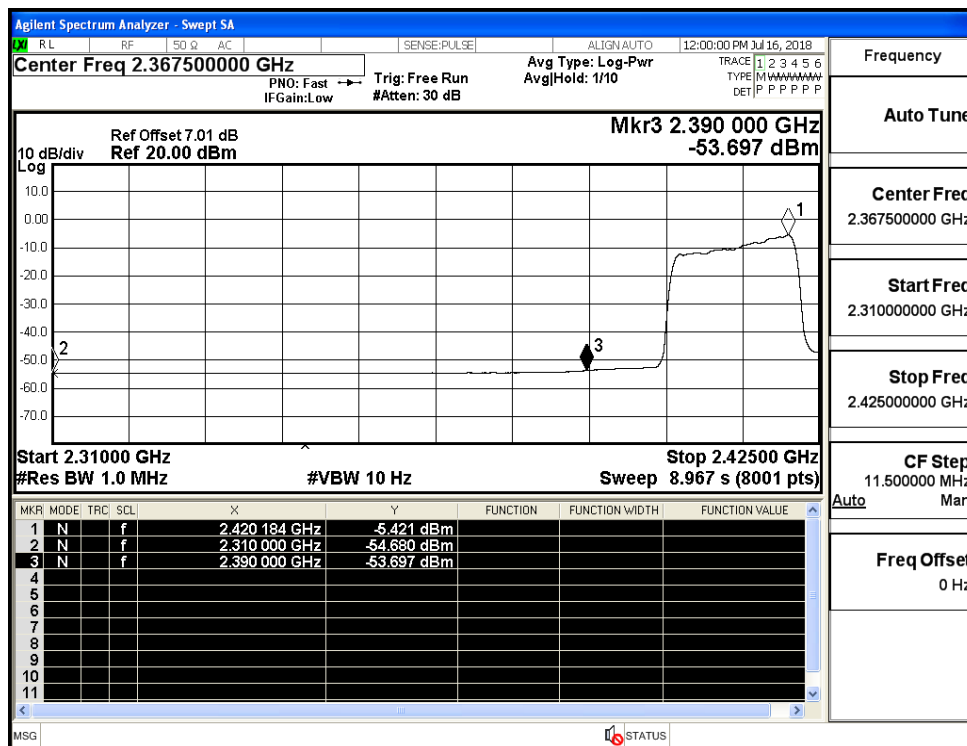
Restrict-band band-edge measurements_11G_2462_Ant1_AV



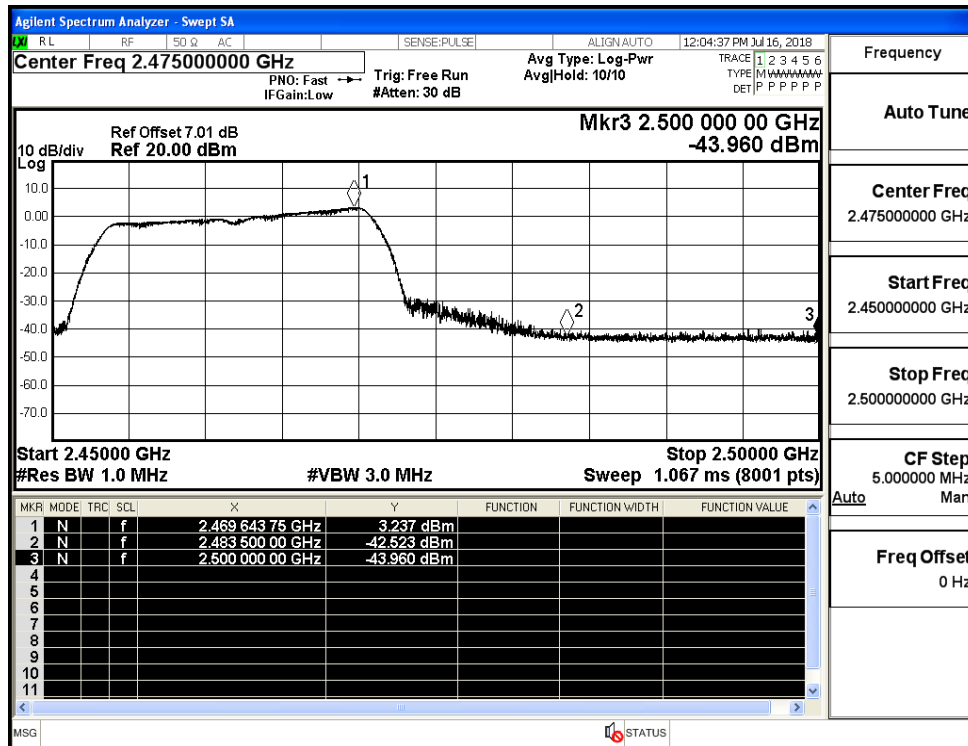
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



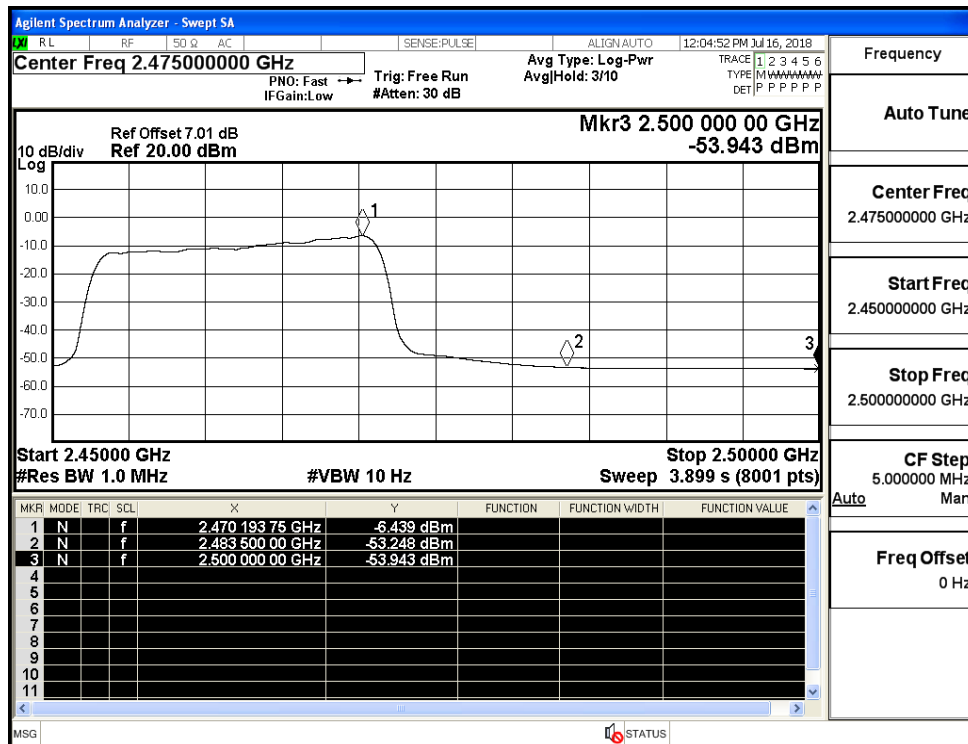
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



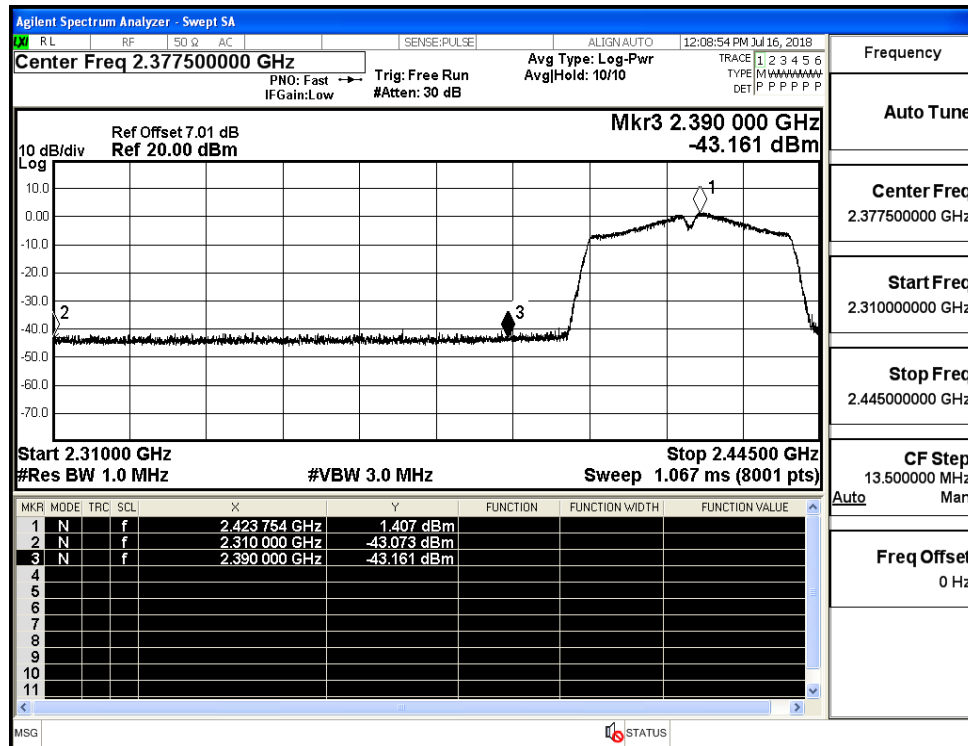
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



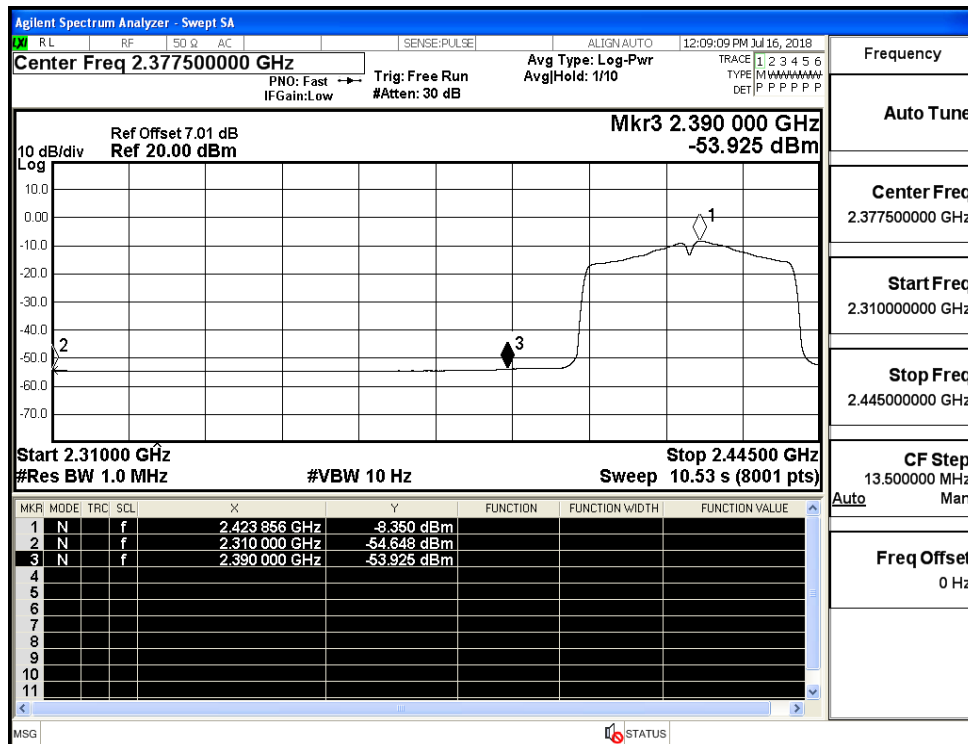
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



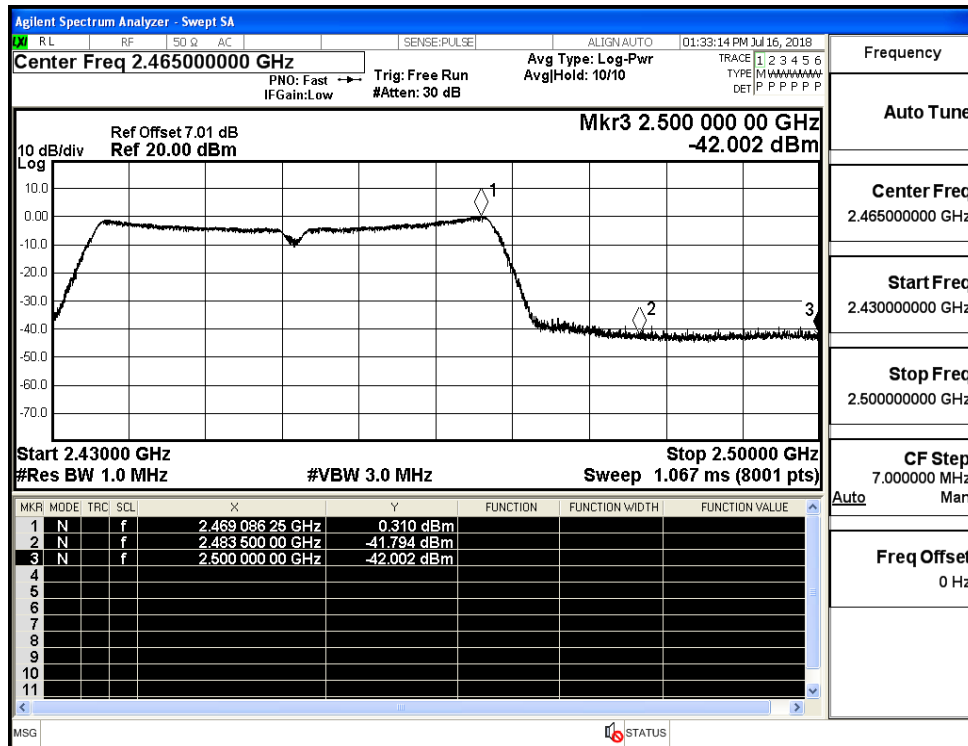
Restrict-band band-edge measurements_11N40SISO_2422_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_2422_Ant1_AV



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_AV

