

Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Tablet pc

Trade Mark: DayMark

Test Model: MATT85

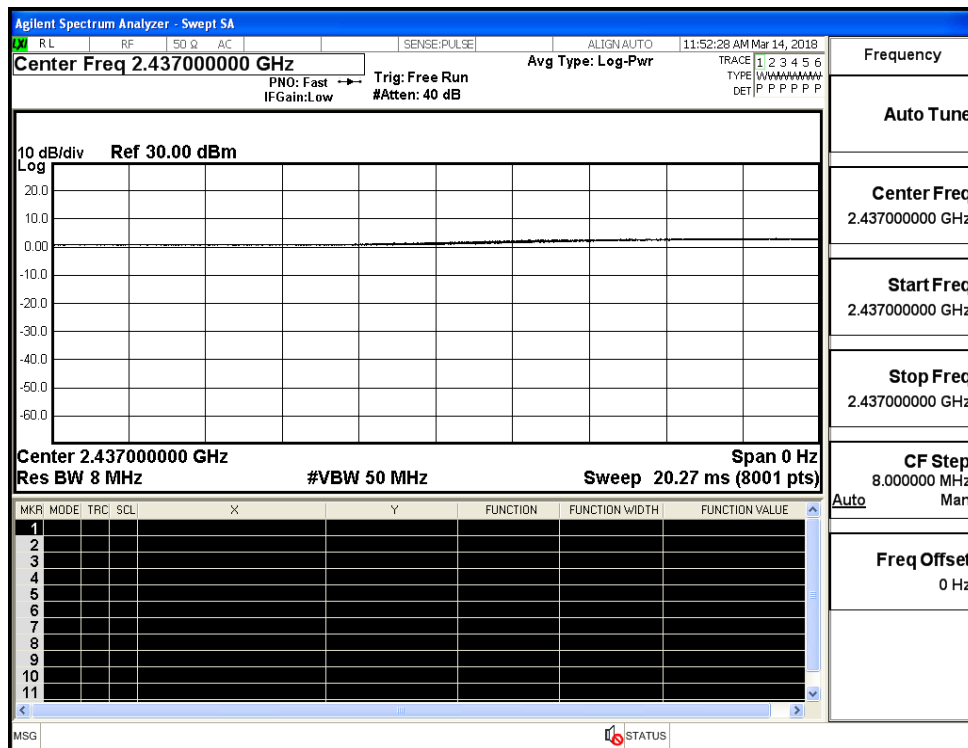
Environmental Conditions

Temperature:	24.3 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	WC Wang
Supervised by:	Tom.Liu

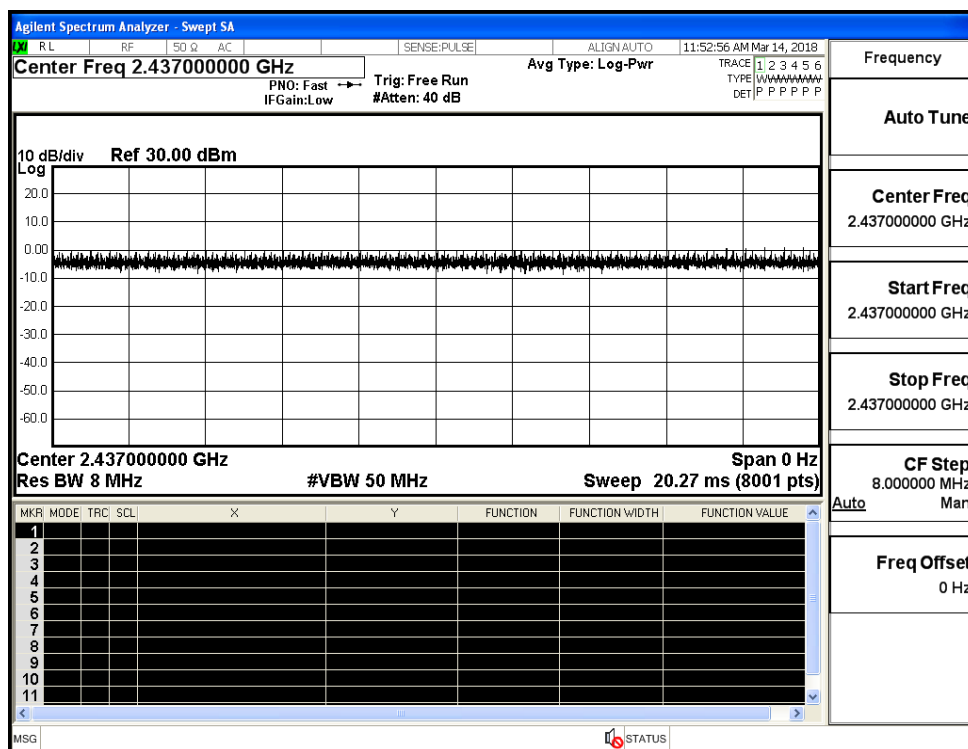
C.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS

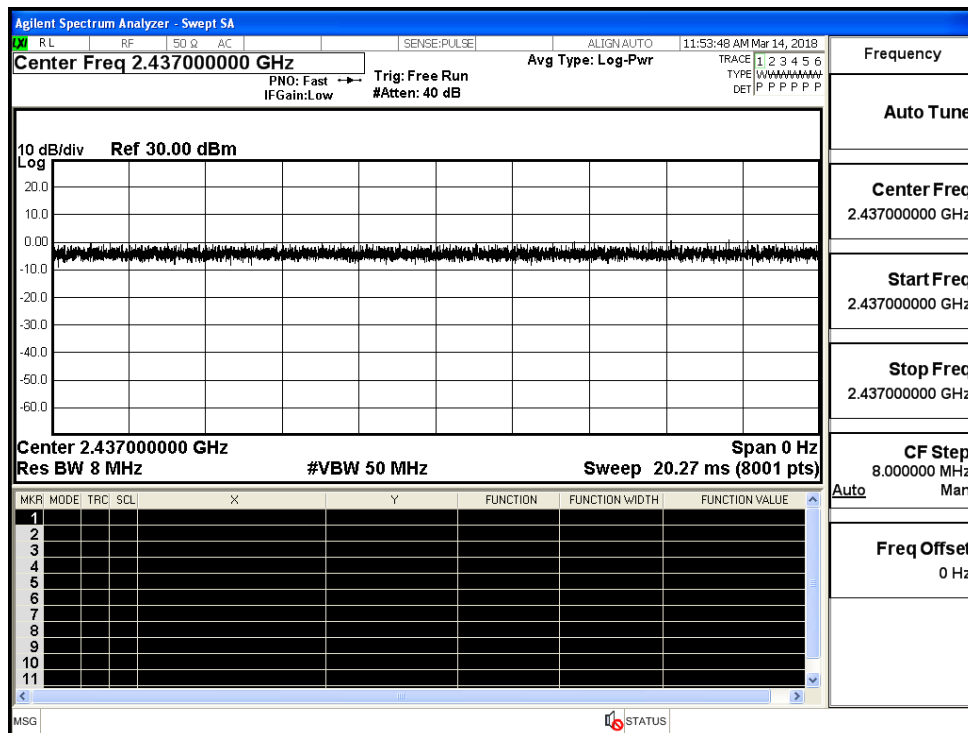
Duty Cycle_11B_2437_Ant1



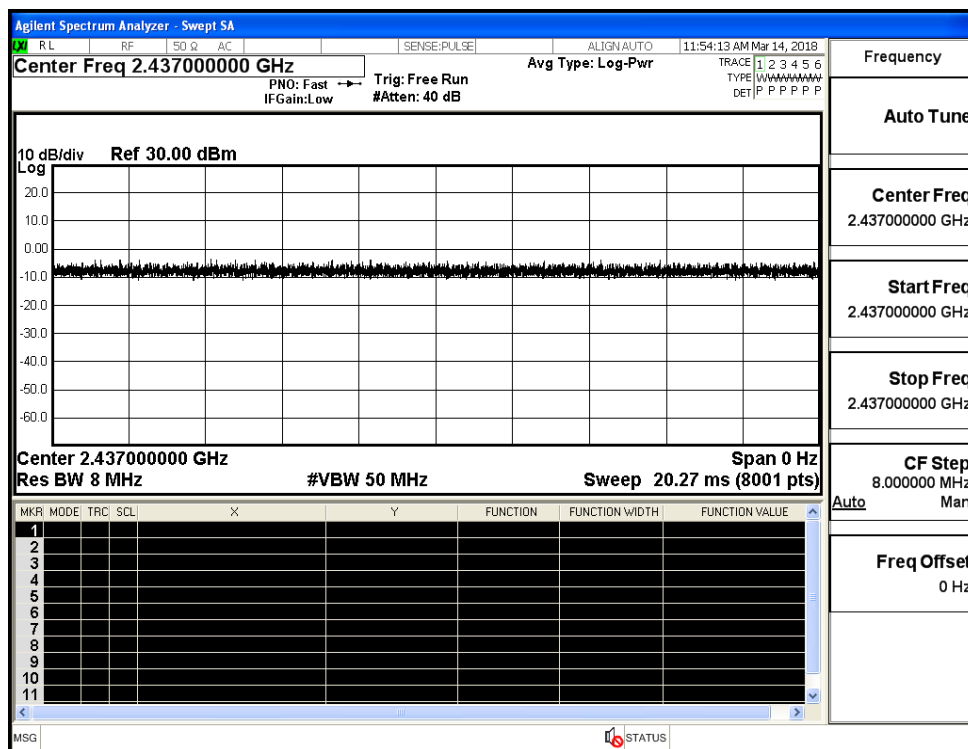
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1

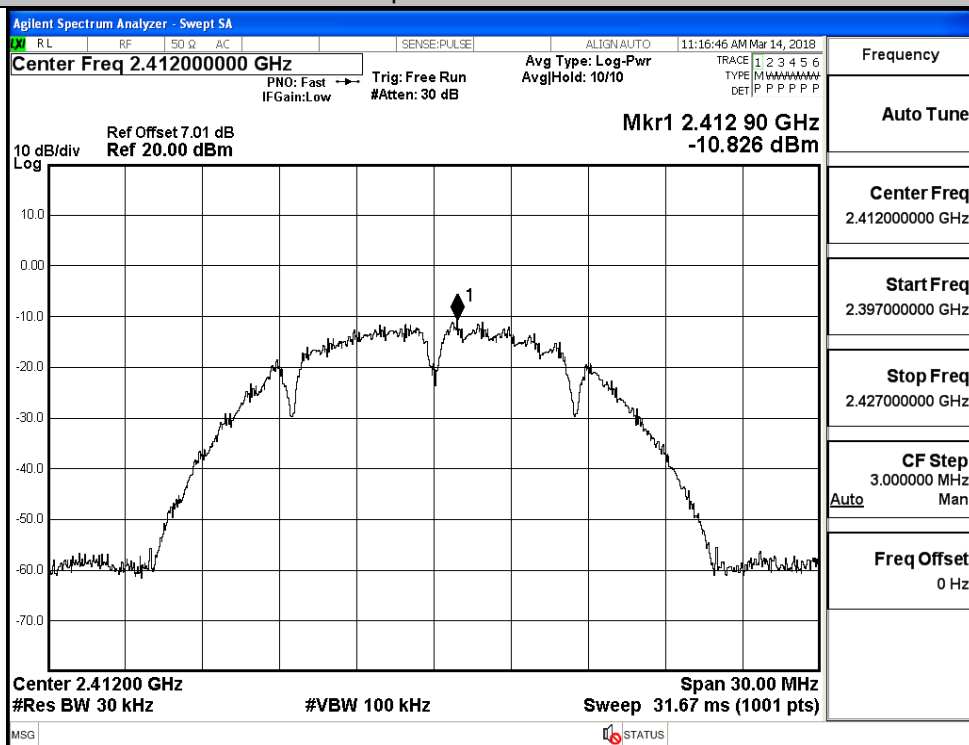


C.2 Maximum Power Spectral Density

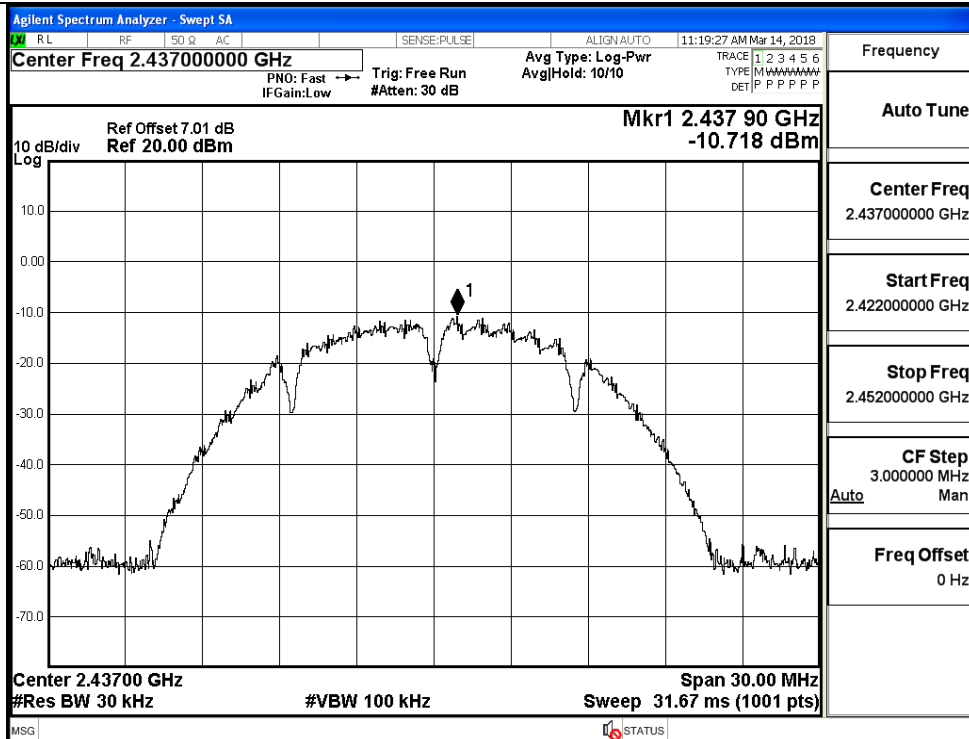
Mode	Channel	Meas.Level [dBm/30KHz]	Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-10.826	-20.826	8	PASS
	MCH	-10.718	-20.718	8	PASS
	HCH	-10.774	-20.774	8	PASS
11G	LCH	-15.952	-25.952	8	PASS
	MCH	-16.989	-26.989	8	PASS
	HCH	-16.670	-26.670	8	PASS
11N20SISO	LCH	-16.663	-26.663	8	PASS
	MCH	-16.486	-26.486	8	PASS
	HCH	-16.206	-26.206	8	PASS
11N40SISO	LCH	-19.380	-29.380	8	PASS
	MCH	-19.651	-29.651	8	PASS
	HCH	-19.126	-29.126	8	PASS

Test Graphs

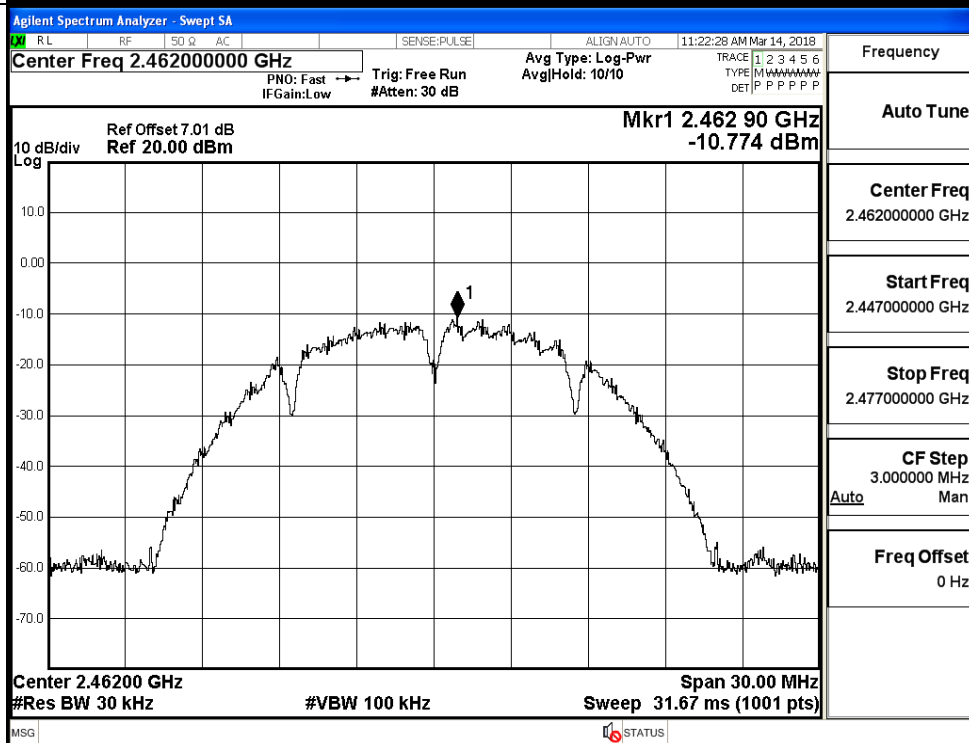
11B/LCH



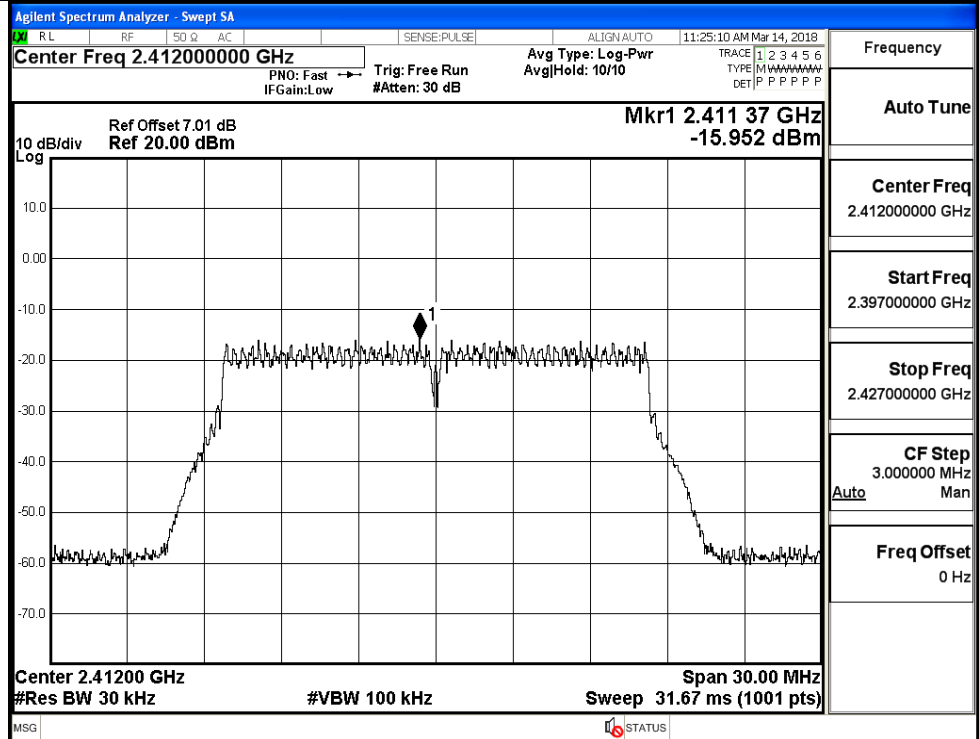
11B/MCH



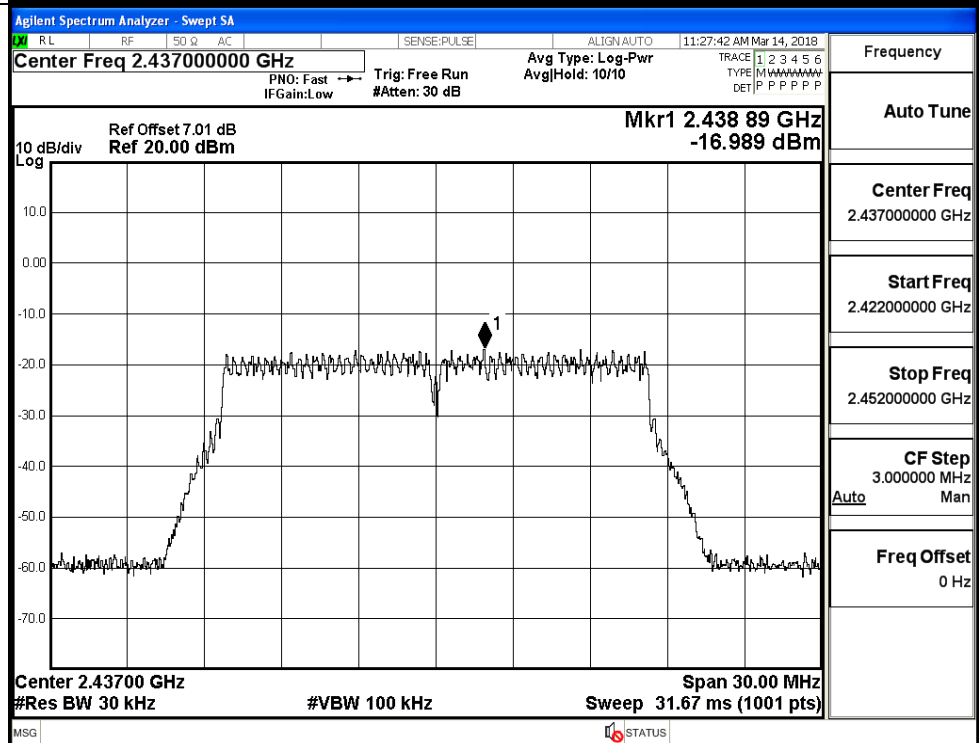
11B/HCH



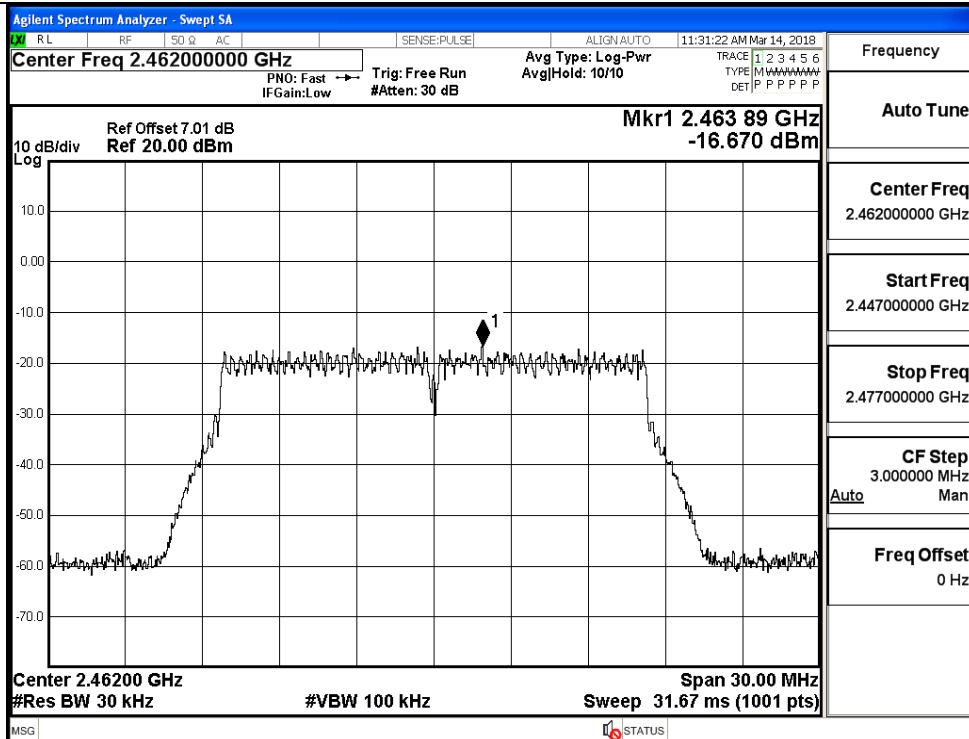
11G/LCH



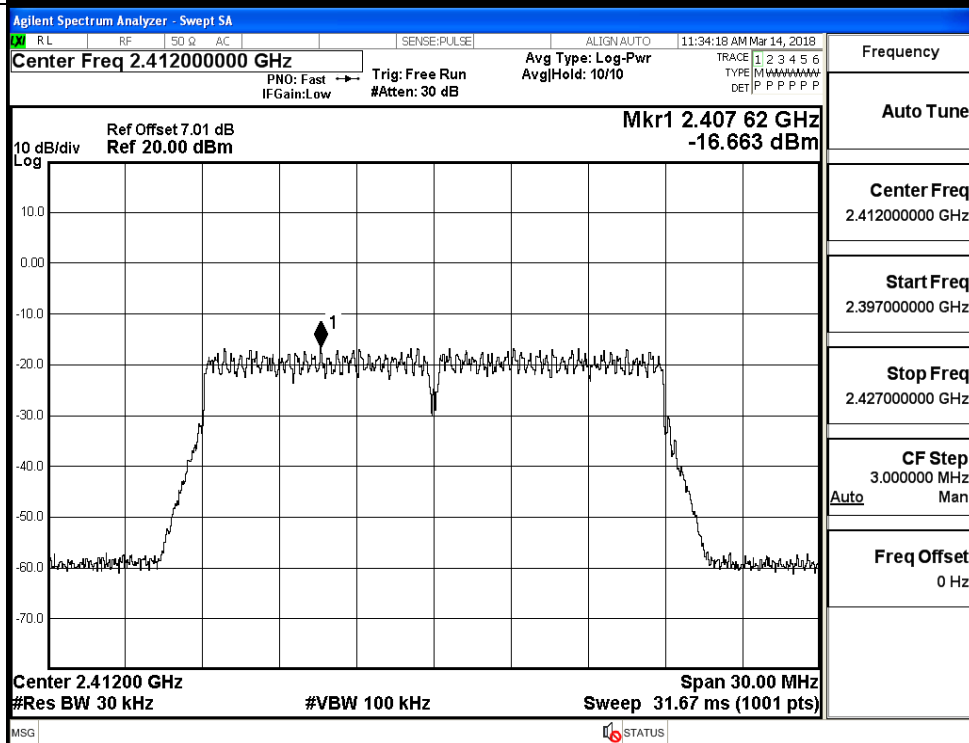
11G/MCH



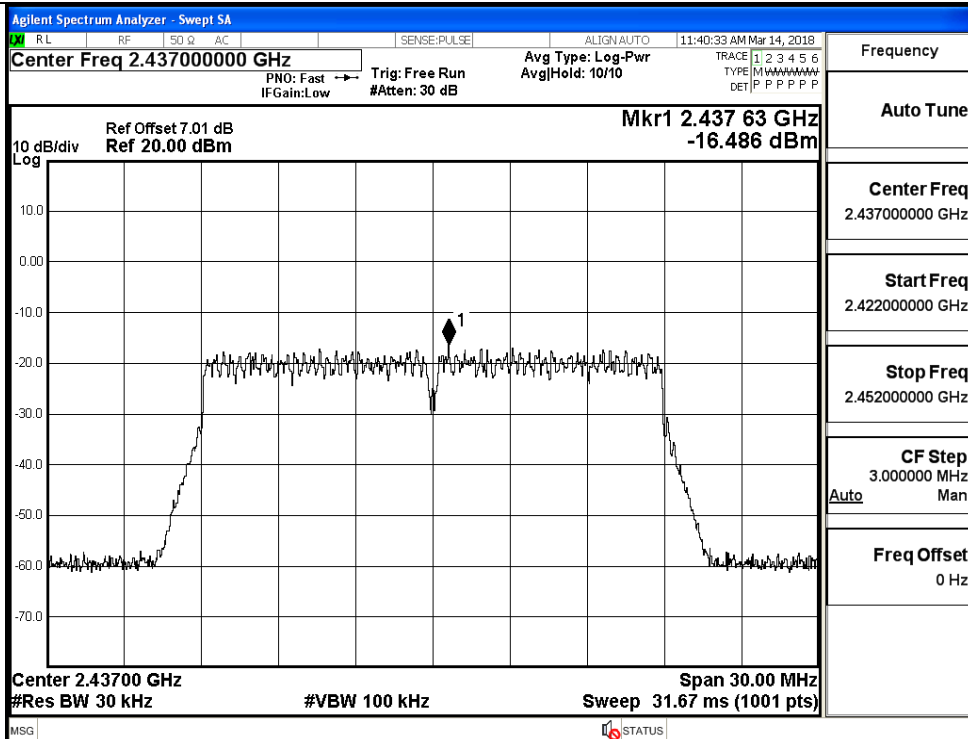
11G/HCH



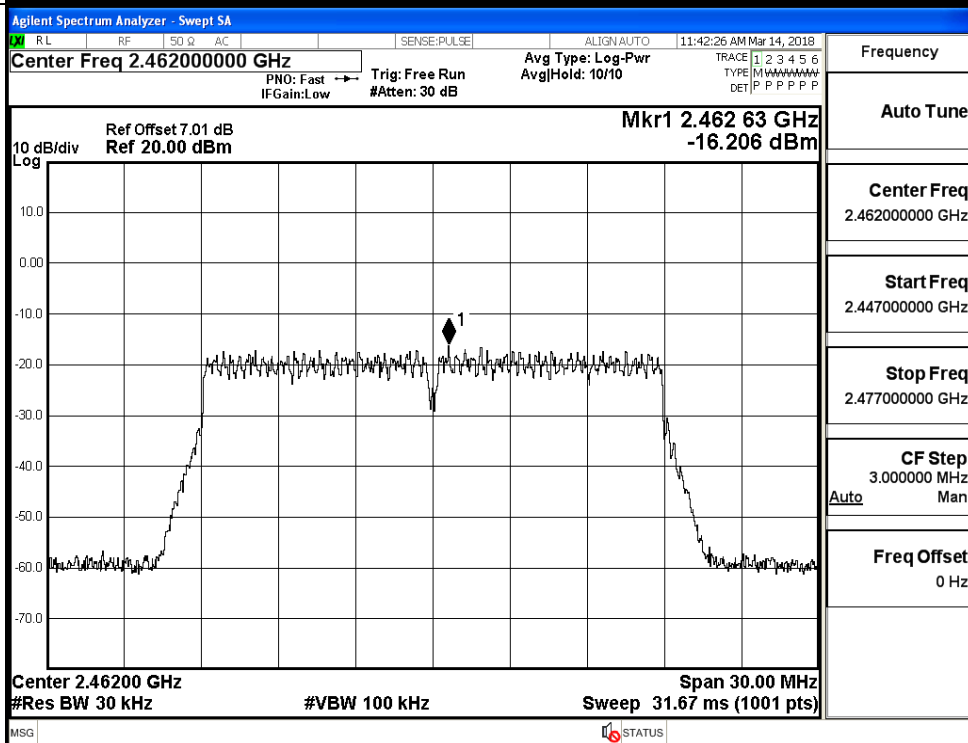
11N20SISO/LCH



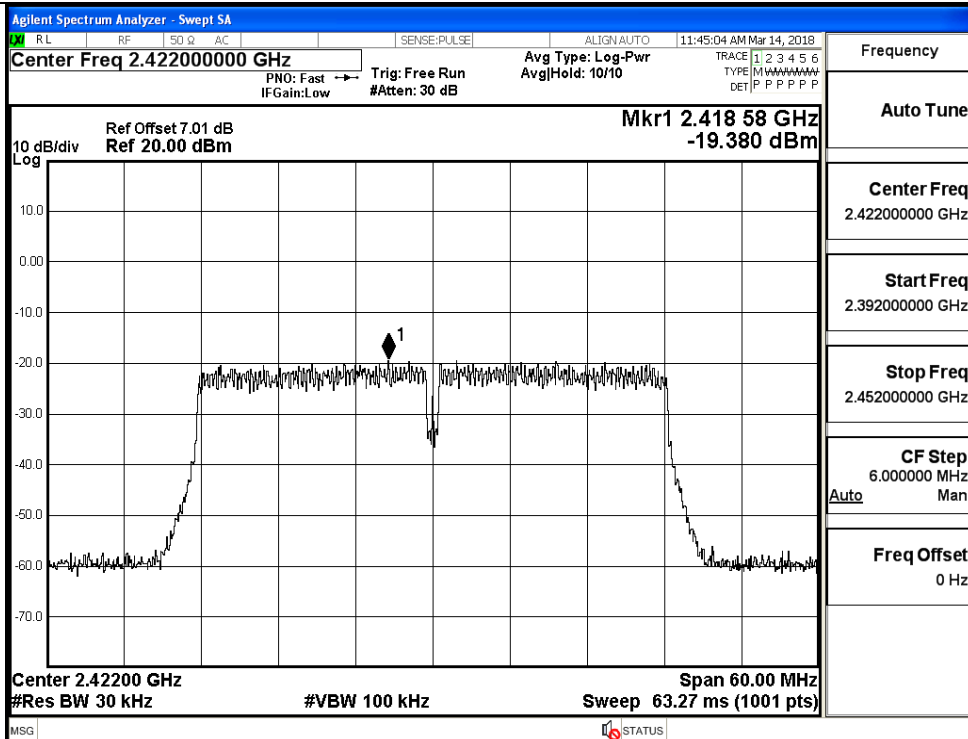
11N20SISO/MCH



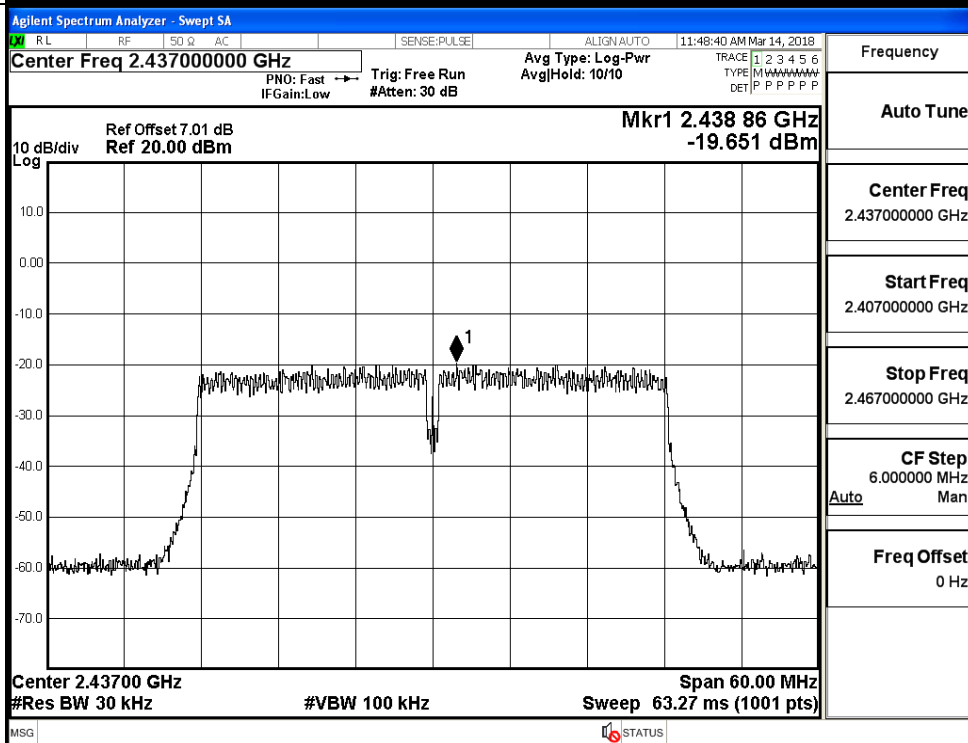
11N20SISO/HCH

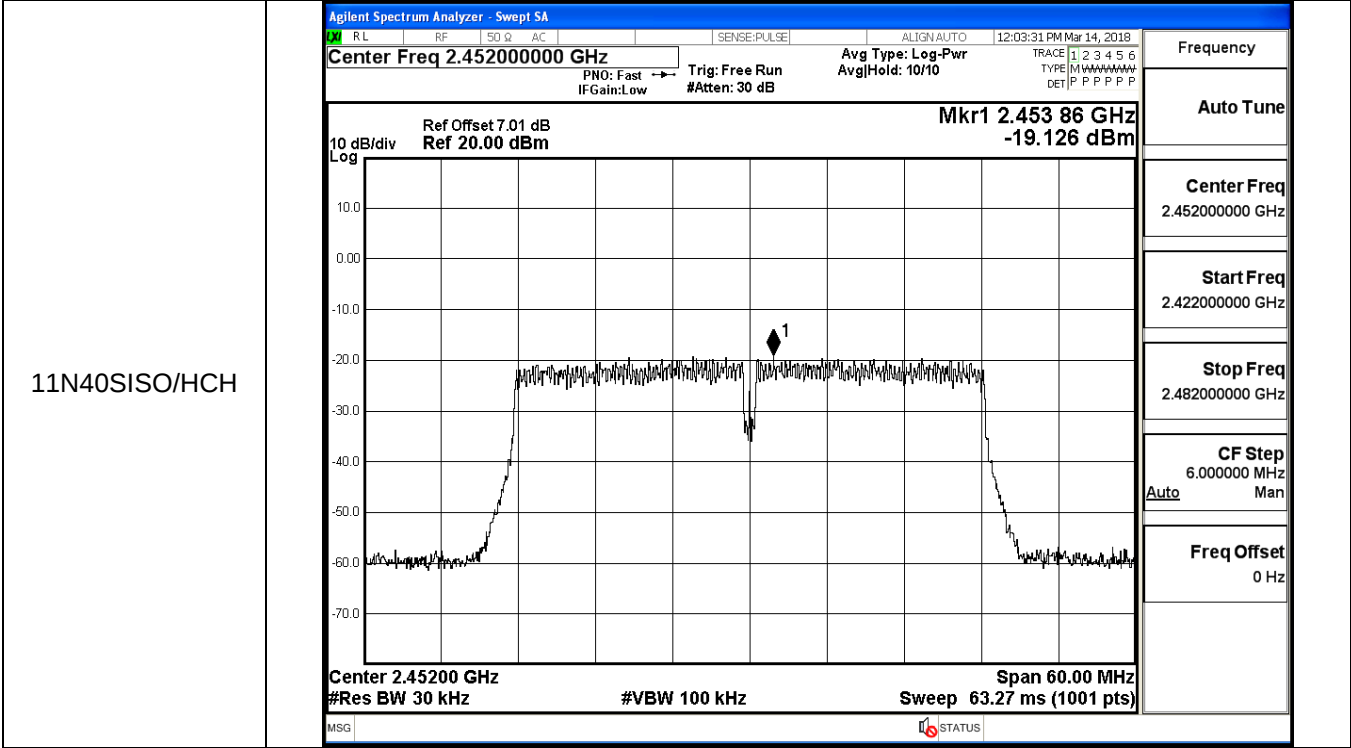


11N40SISO/LCH



11N40SISO/MCH

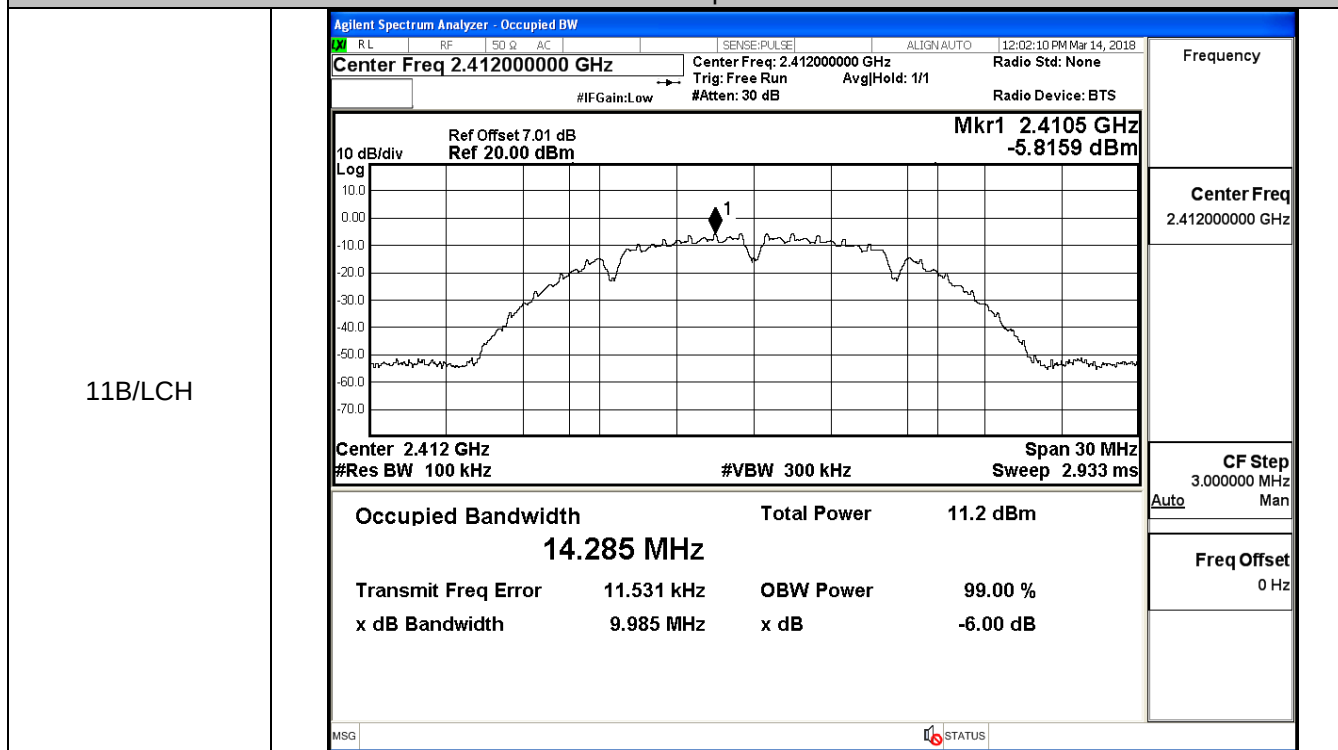




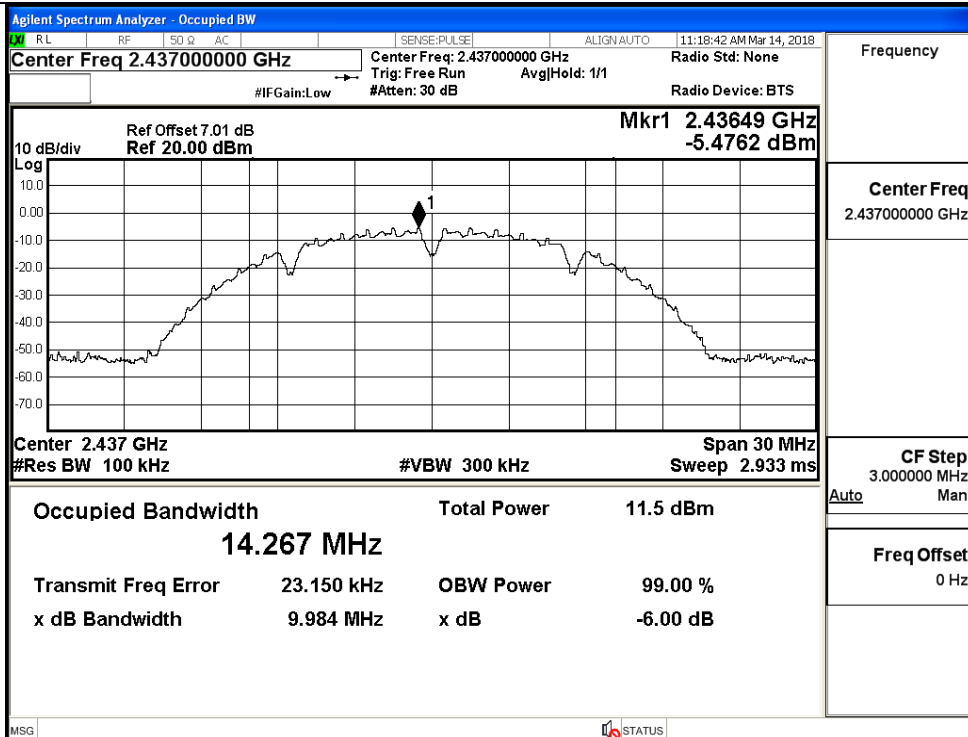
C.3 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.985	≥ 0.5	PASS
	MCH	9.984	≥ 0.5	PASS
	HCH	9.981	≥ 0.5	PASS
11G	LCH	16.61	≥ 0.5	PASS
	MCH	16.62	≥ 0.5	PASS
	HCH	16.61	≥ 0.5	PASS
11N20SISO	LCH	17.84	≥ 0.5	PASS
	MCH	17.83	≥ 0.5	PASS
	HCH	17.81	≥ 0.5	PASS
11N40SISO	LCH	36.51	≥ 0.5	PASS
	MCH	36.49	≥ 0.5	PASS
	HCH	36.49	≥ 0.5	PASS

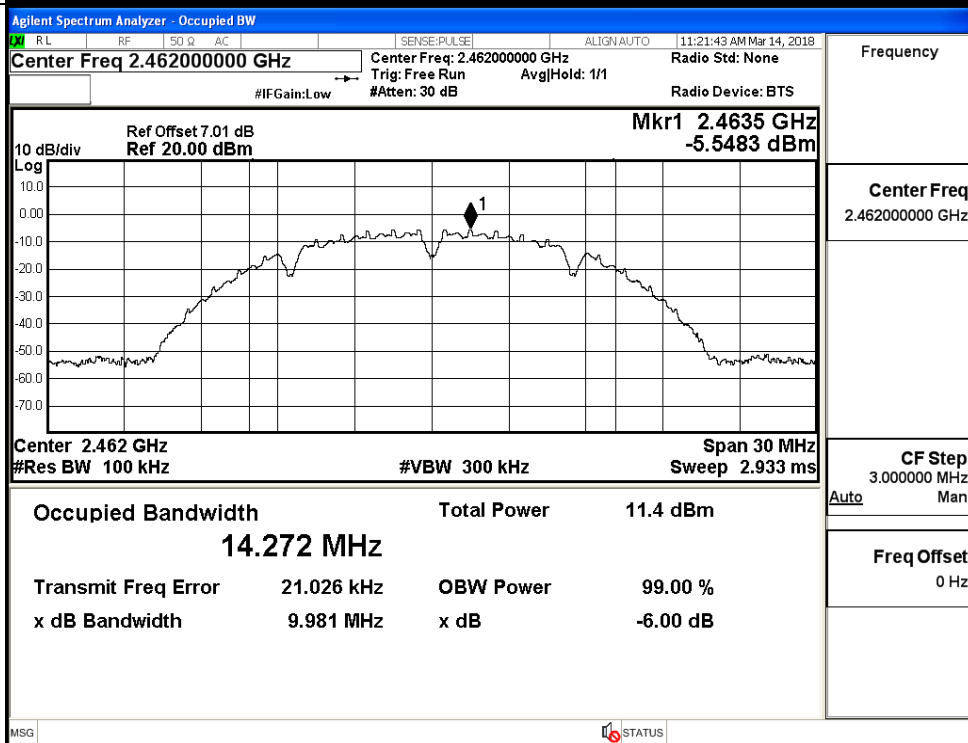
Test Graphs



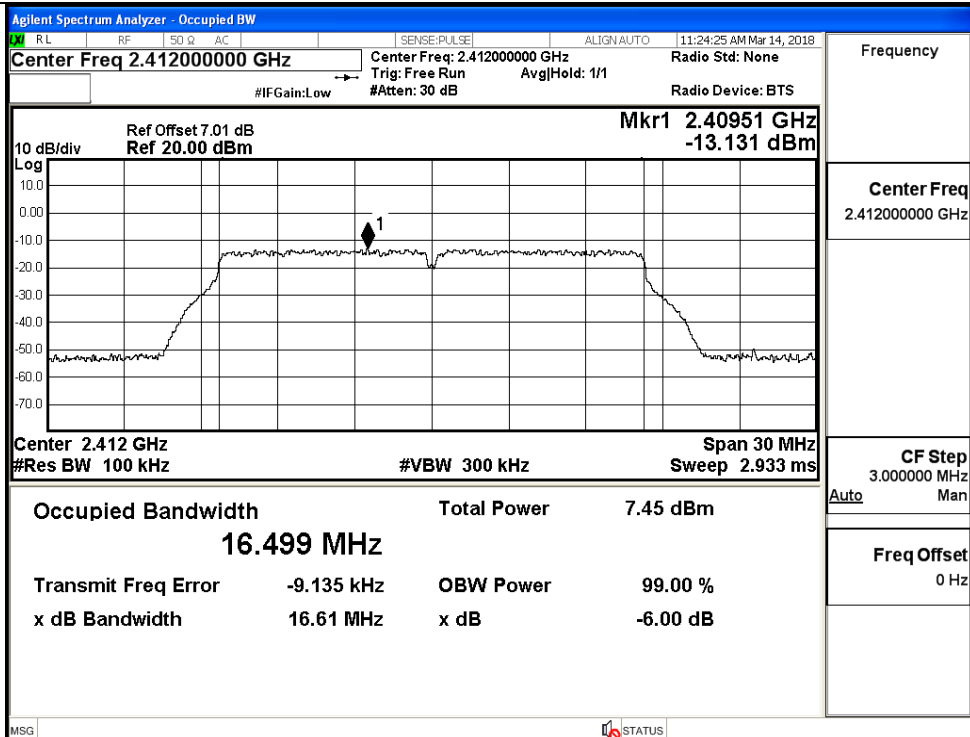
11B/MCH



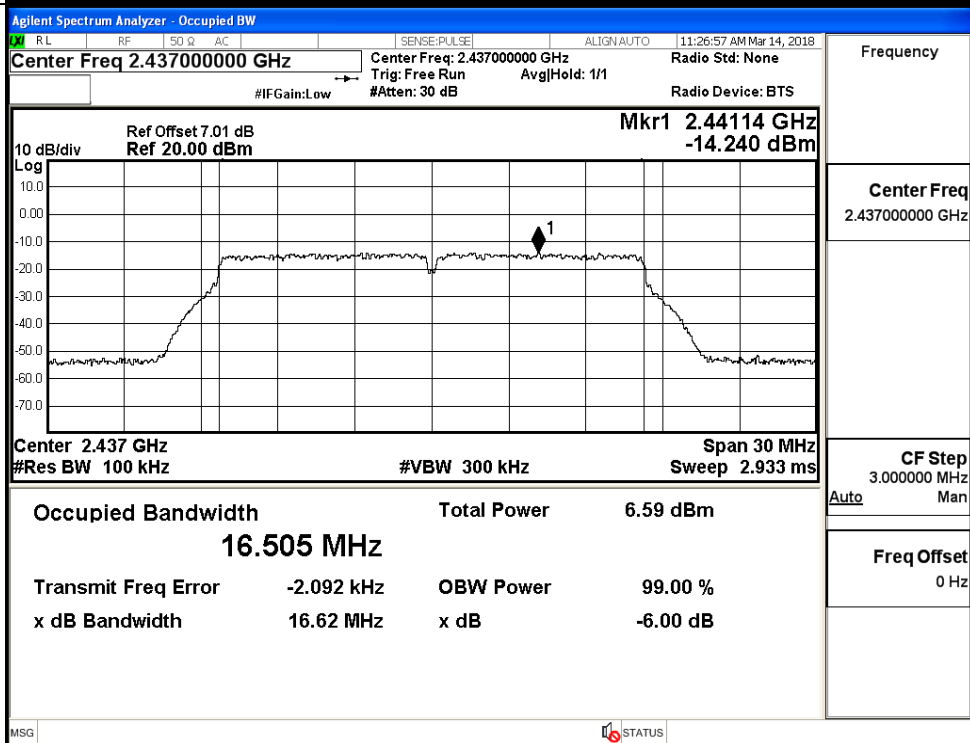
11B/HCH



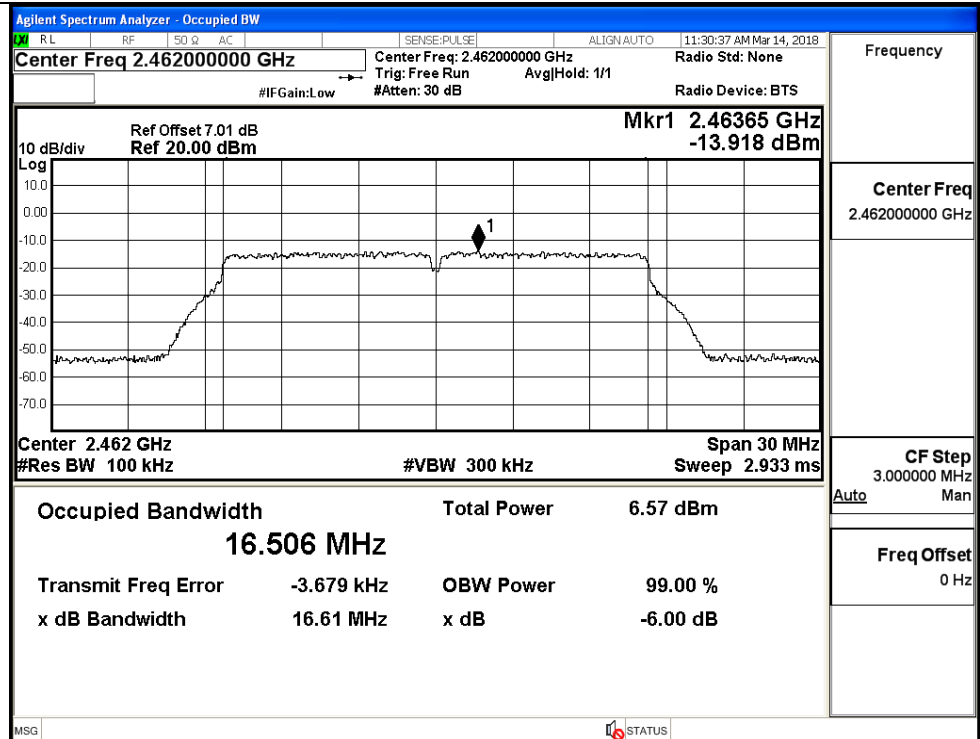
11G/LCH



11G/MCH



11G/HCH



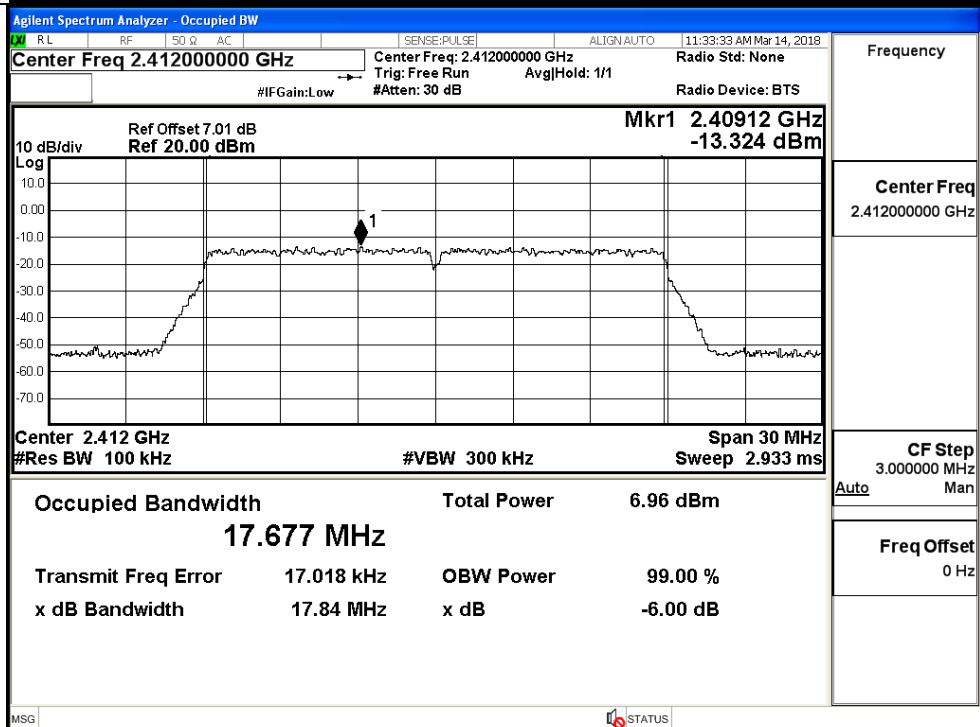
Frequency

Center Freq
2.46200000 GHz

CF Step
3.000000 MHz

Freq Offset
0 Hz

11N20SISO/LCH



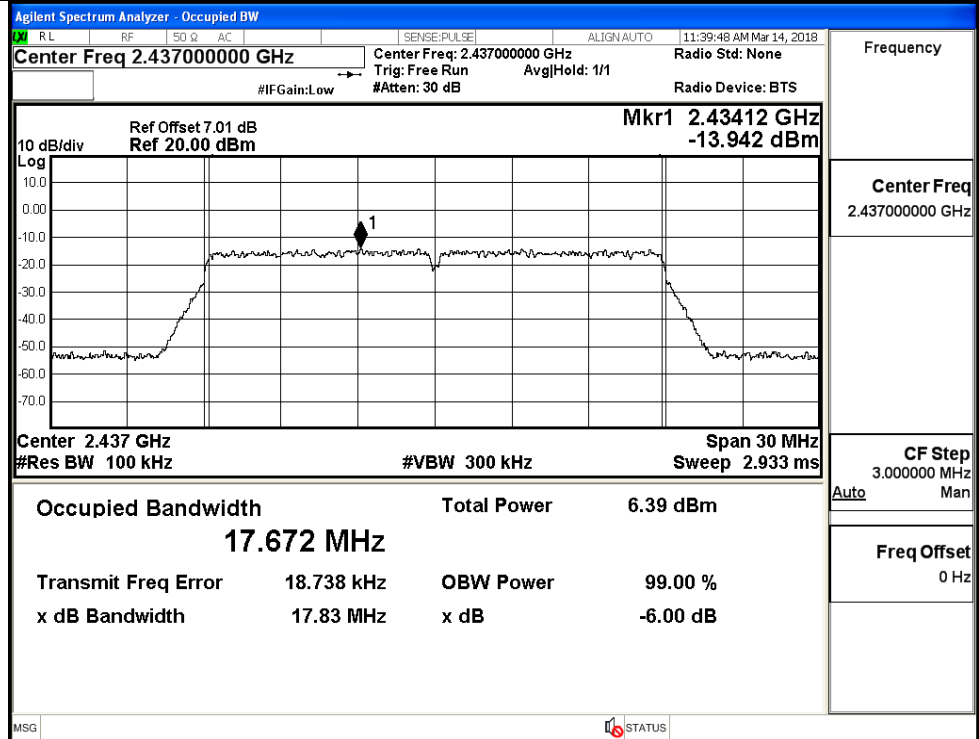
Frequency

Center Freq
2.41200000 GHz

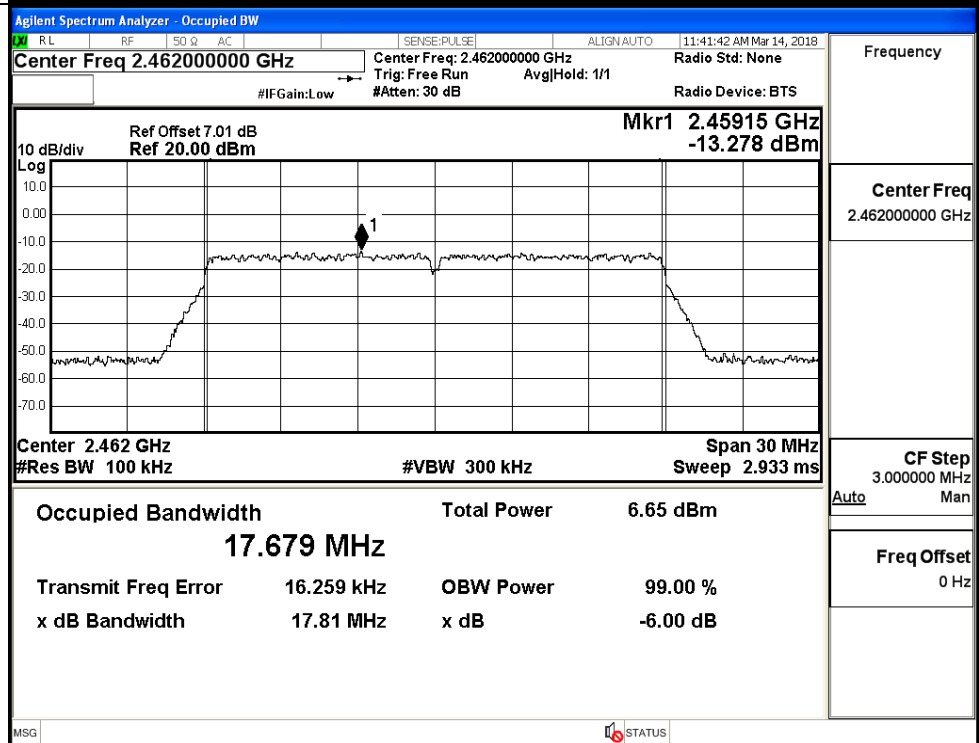
CF Step
3.000000 MHz

Freq Offset
0 Hz

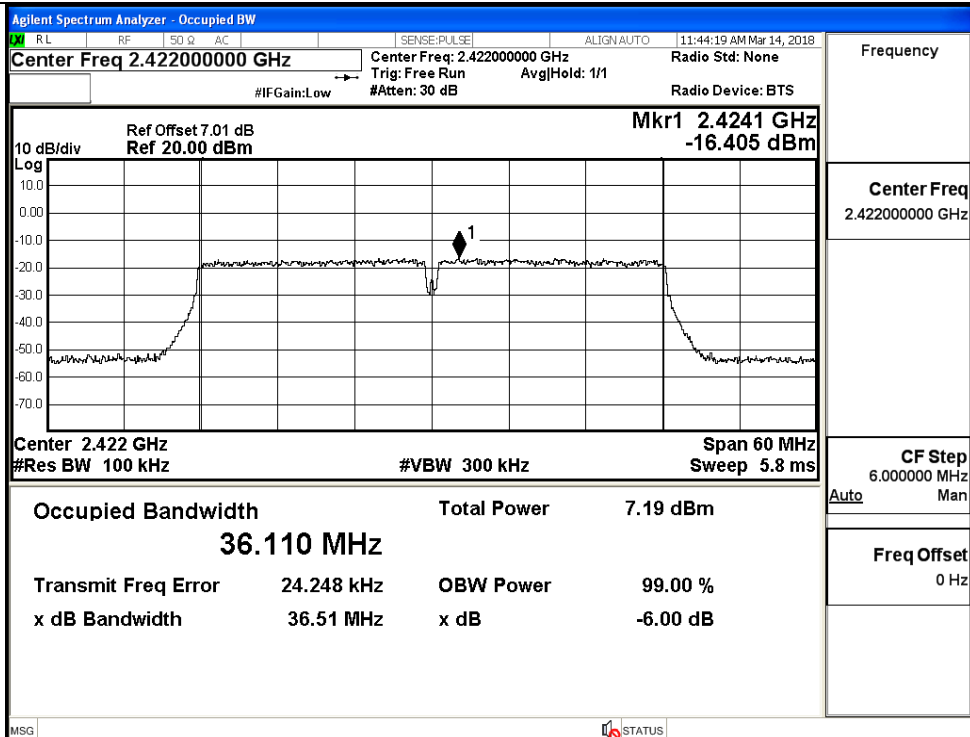
11N20SISO/MCH



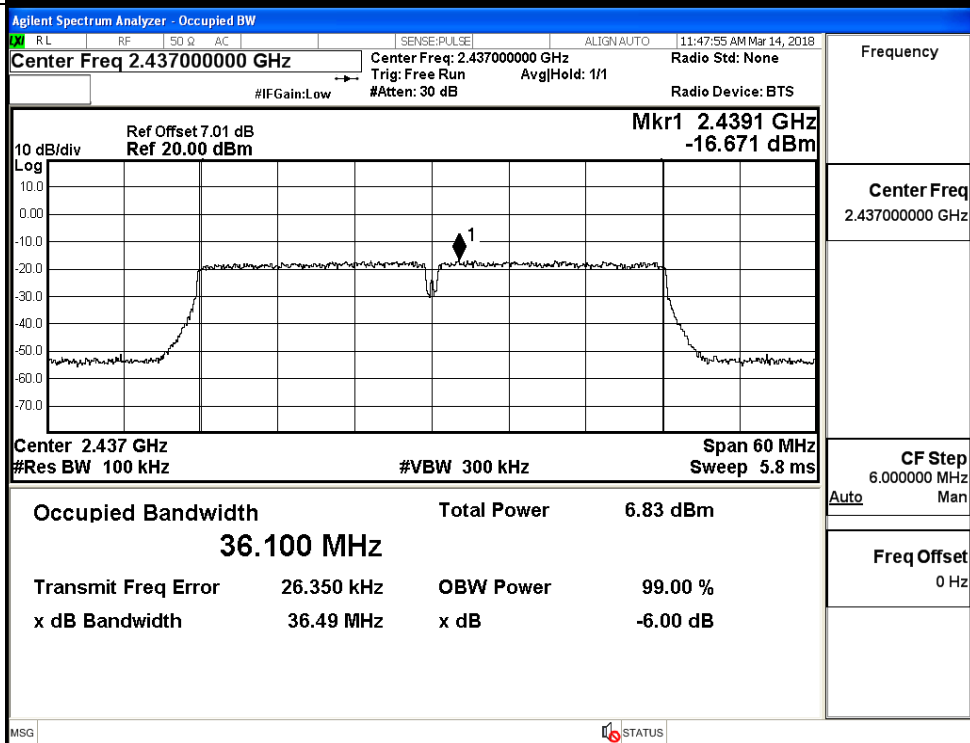
11N20SISO/HCH



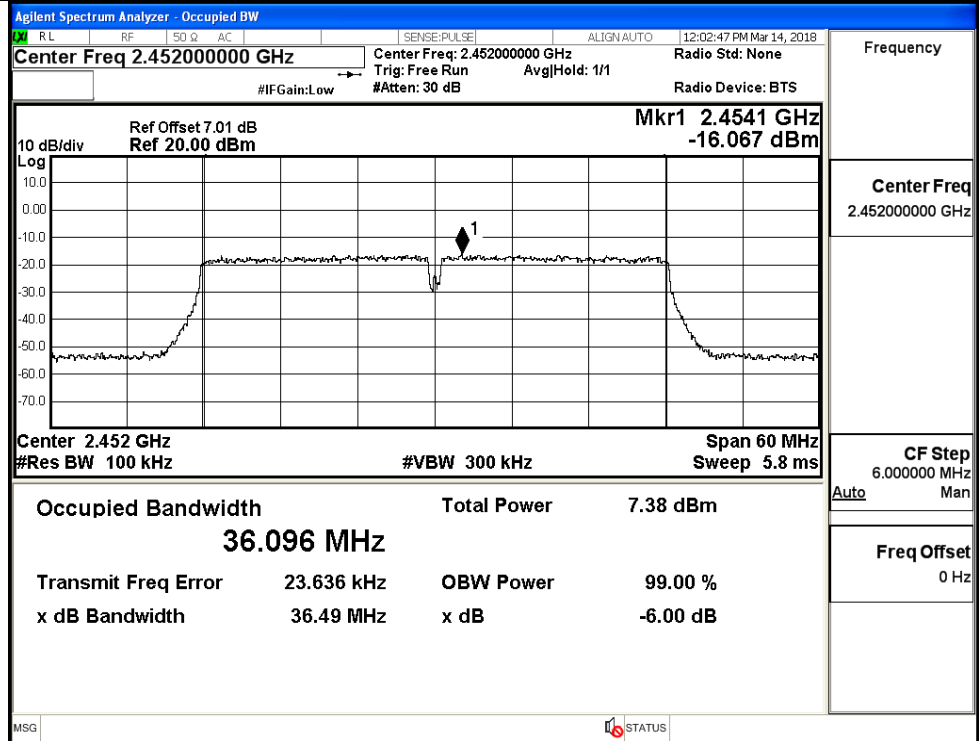
11N40SISO/LCH



11N40SISO/MCH



11N40SISO/HCH

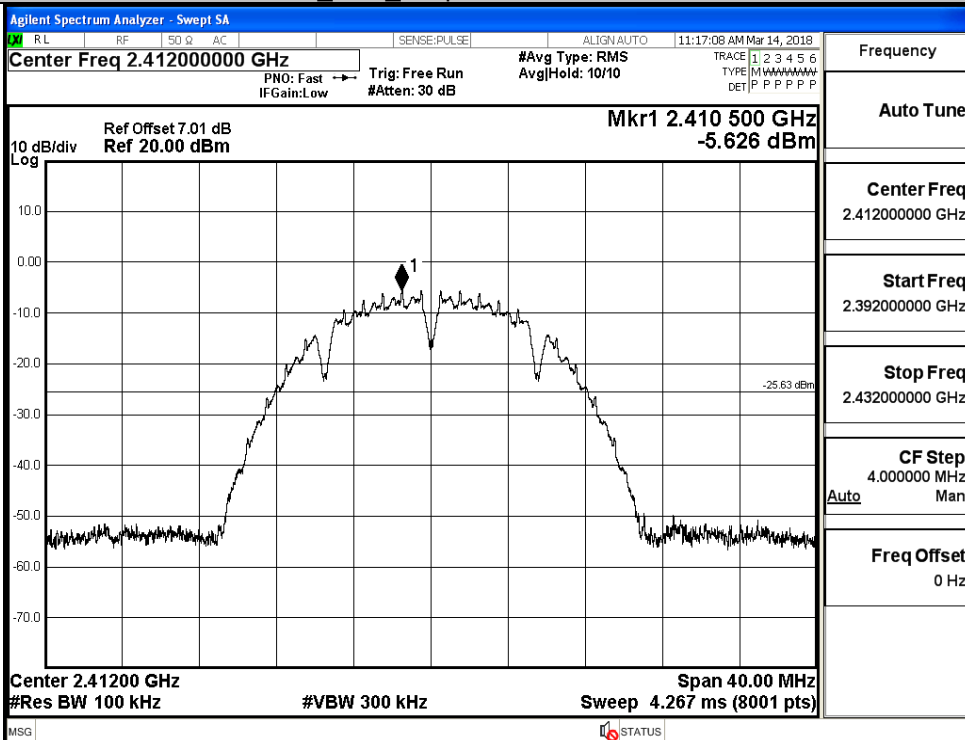


C.4 RF Conducted Spurious Emissions

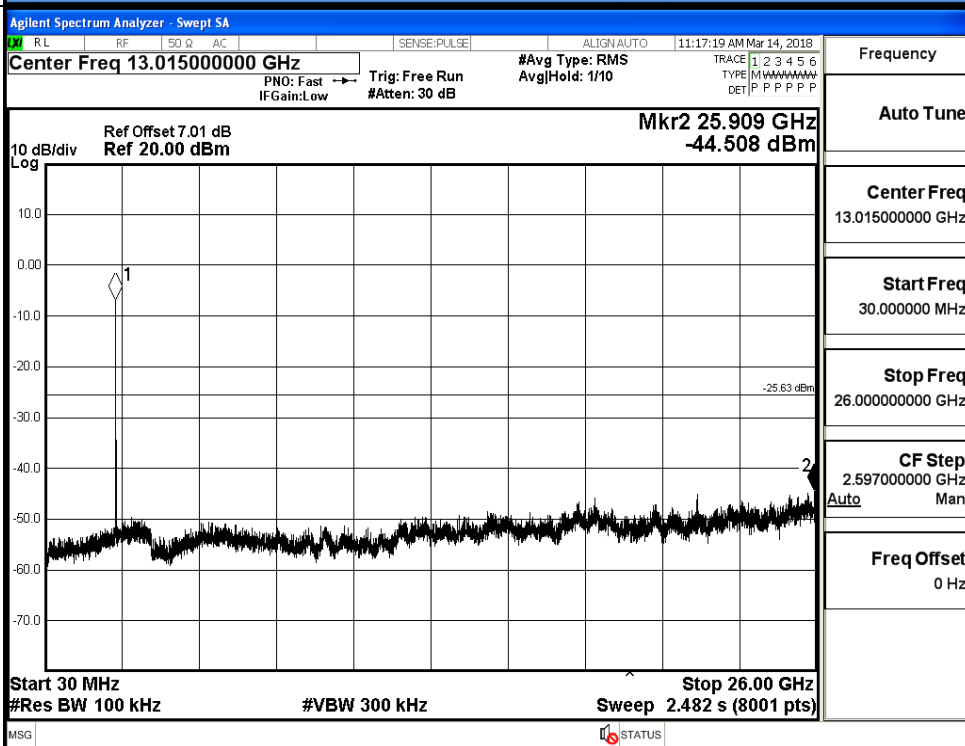
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-5.626	-44.508	-25.626	PASS
	MCH	-5.585	-44.783	-25.585	PASS
	HCH	-5.65	-44.236	-25.650	PASS
11G	LCH	-13.411	-44.771	-33.411	PASS
	MCH	-14.27	-44.696	-34.270	PASS
	HCH	-14.002	-44.402	-34.002	PASS
11N20 SISO	LCH	-13.146	-44.544	-33.146	PASS
	MCH	-13.976	-44.235	-33.976	PASS
	HCH	-13.36	-44.314	-33.360	PASS
11N40 SISO	LCH	-16.467	-44.612	-36.467	PASS
	MCH	-16.461	-44.495	-36.461	PASS
	HCH	-16.263	-44.349	-36.263	PASS

11B LCH Graphs

Pref/11B/LCH

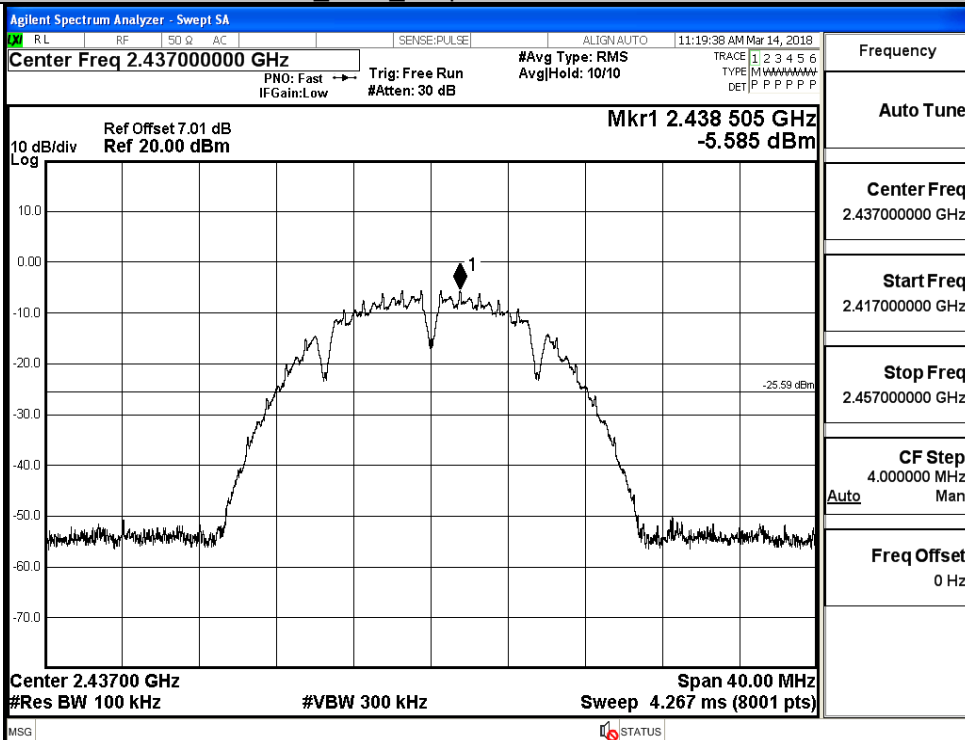


Puw/11B/LCH

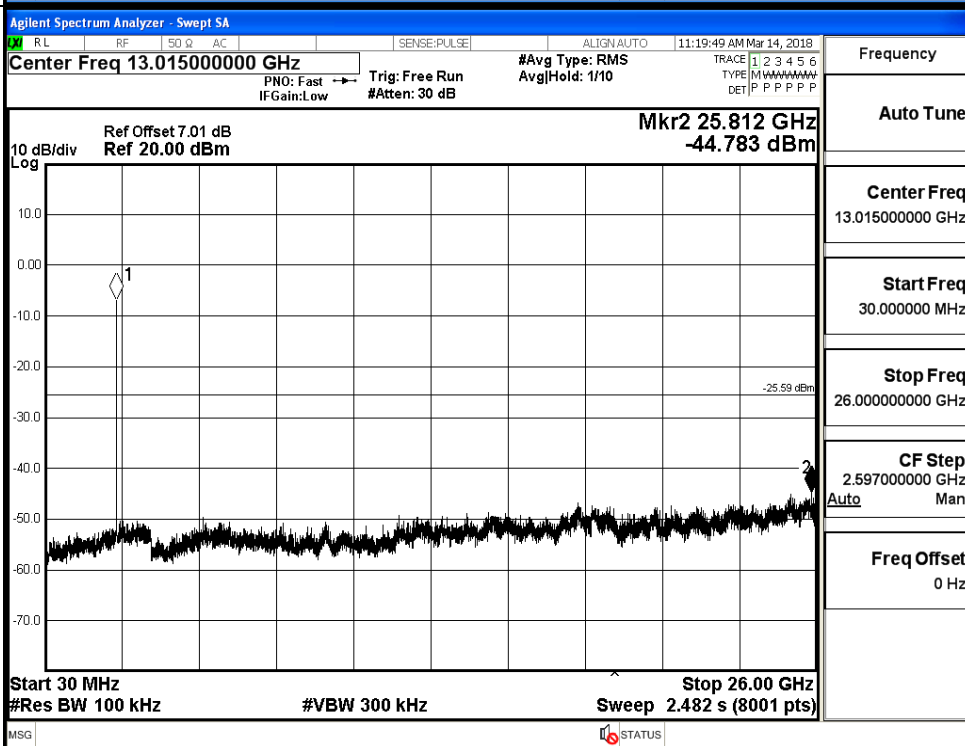


11B MCH Graphs

Pref/11B/MCH

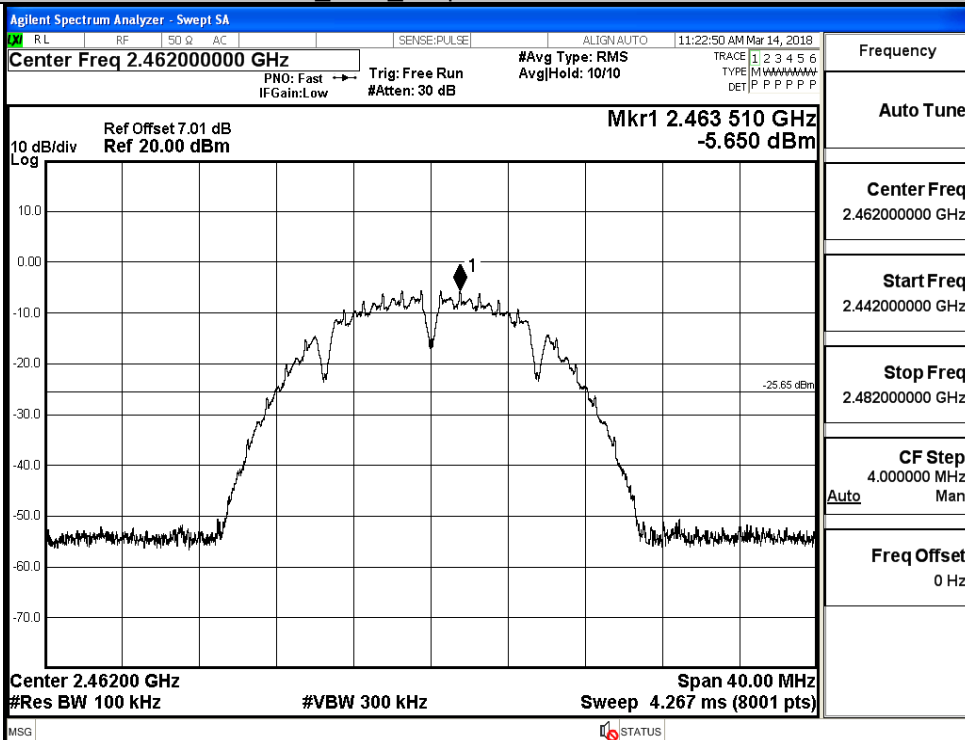


Puw/11B/MCH

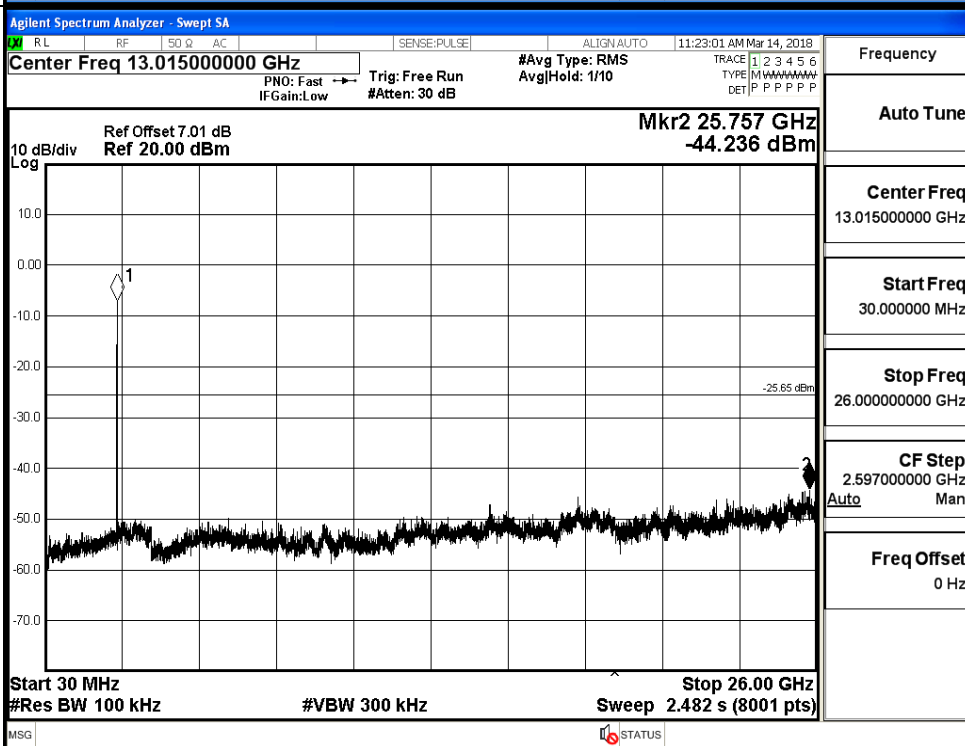


11B HCH Graphs

Pref/11B/HCH

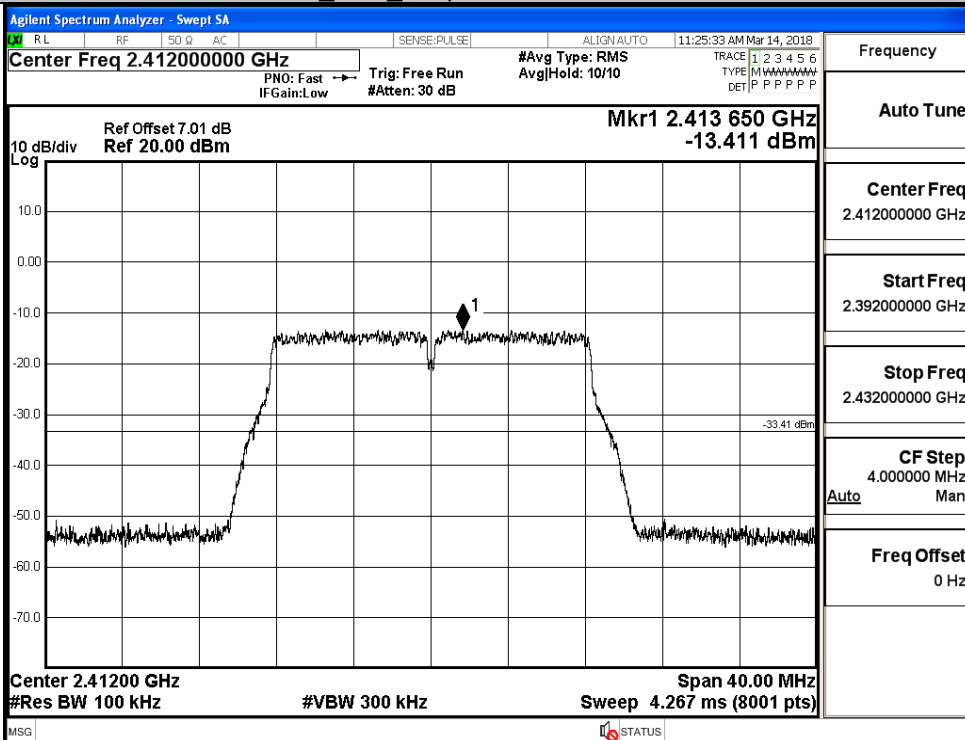


Puw/11B/HCH

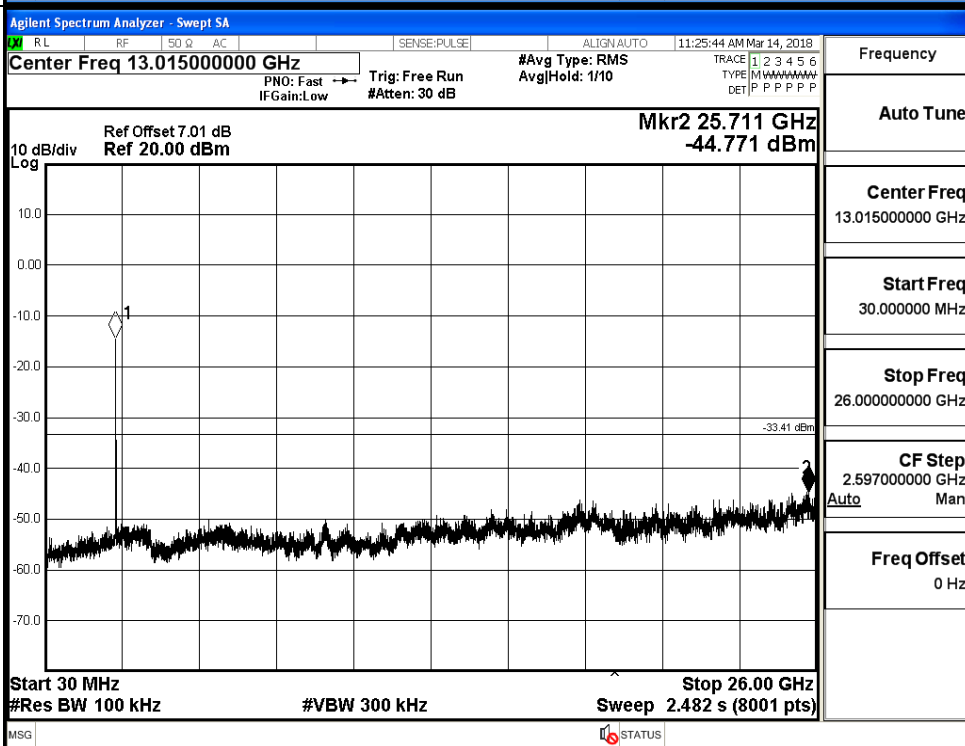


11G LCH Graphs

Pref/11G/LCH

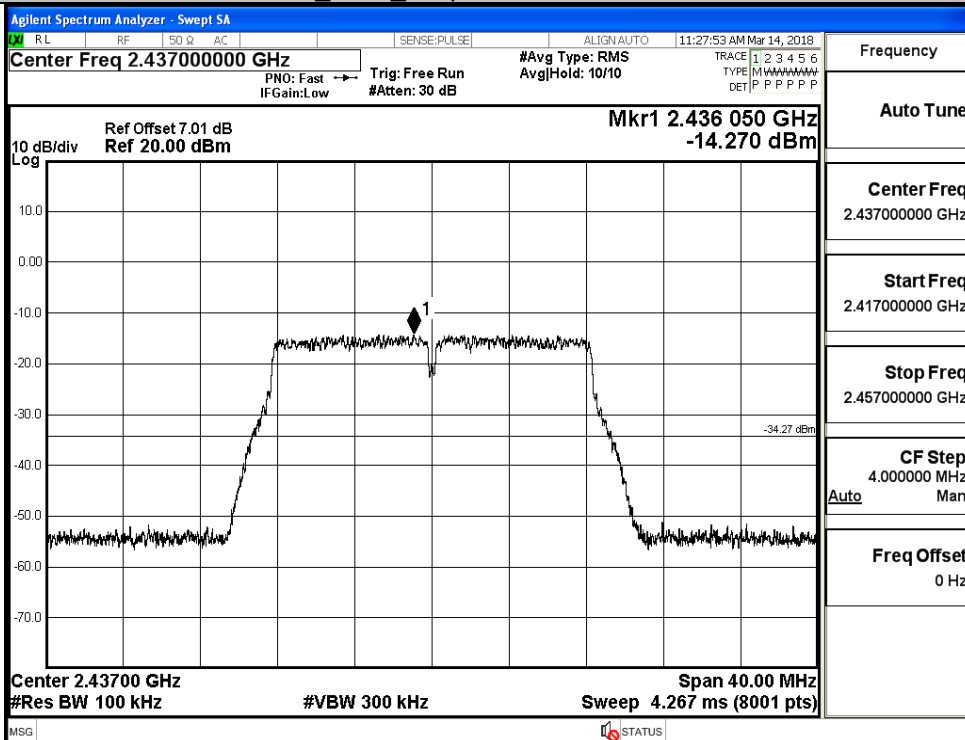


Puw/11G/LCH

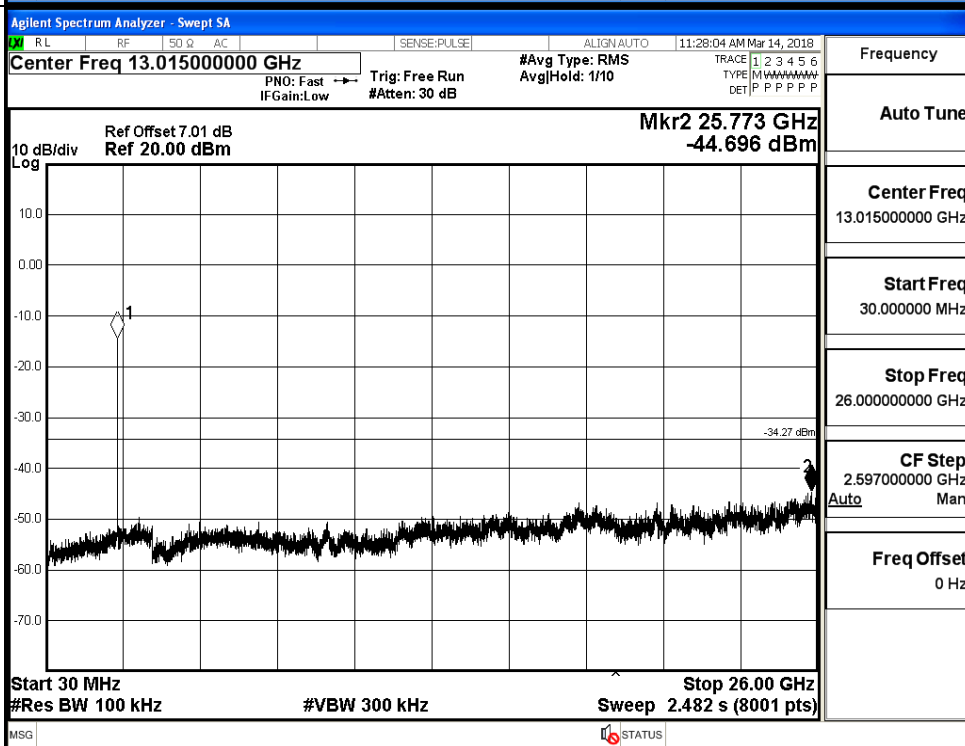


11G MCH Graphs

Pref/11G/MCH

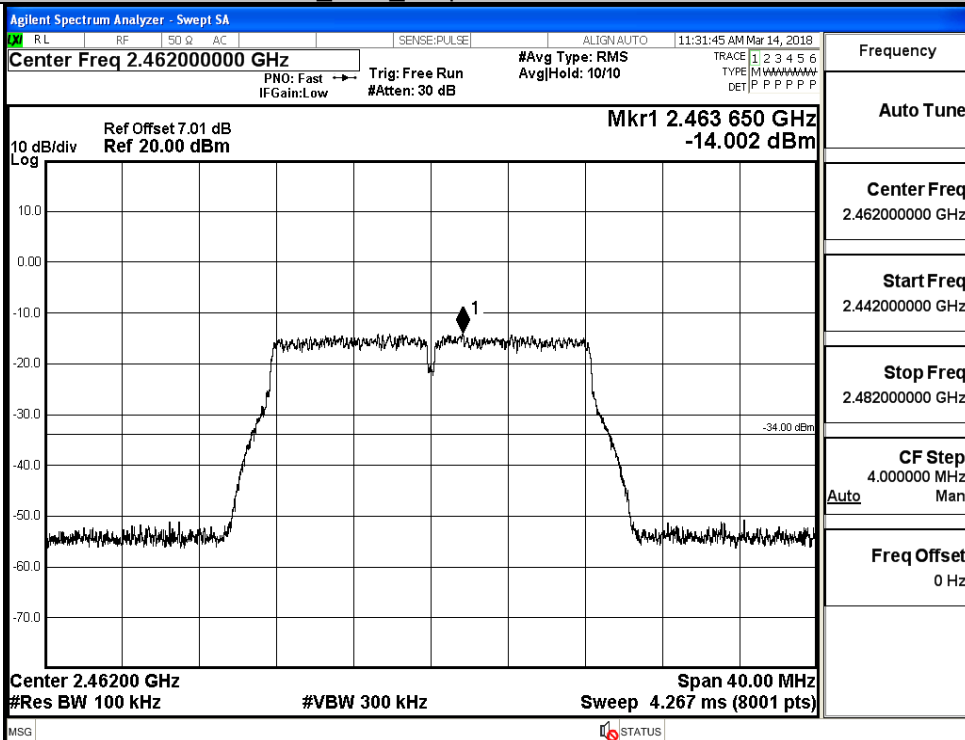


Puw/11G/MCH

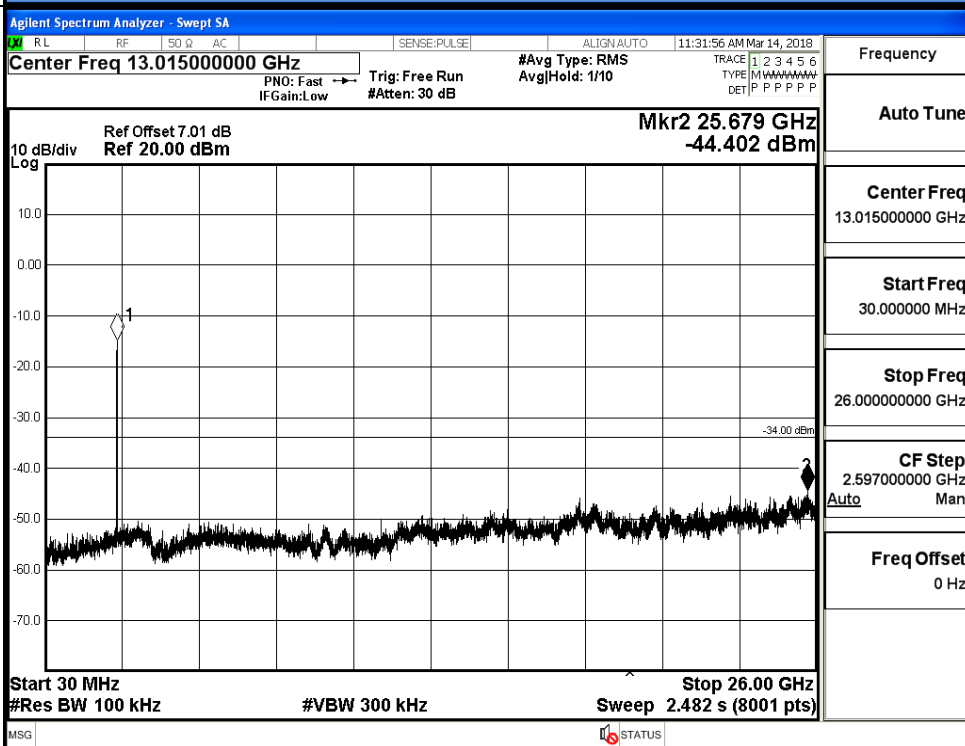


11G HCH Graphs

Pref/11G/HCH

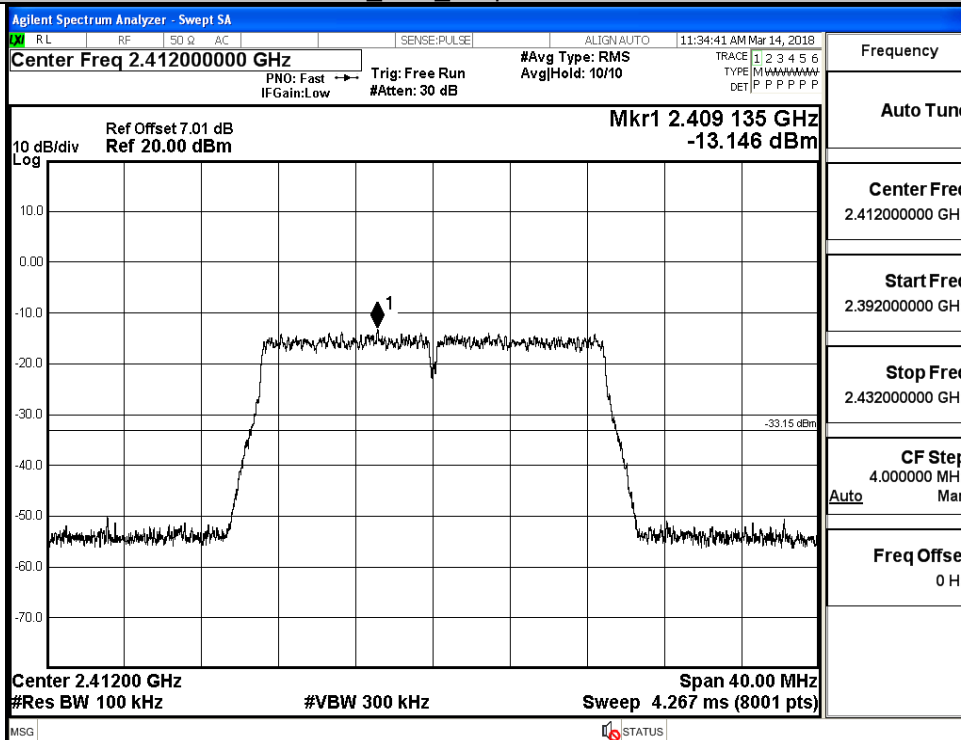


Puw/11G/HCH

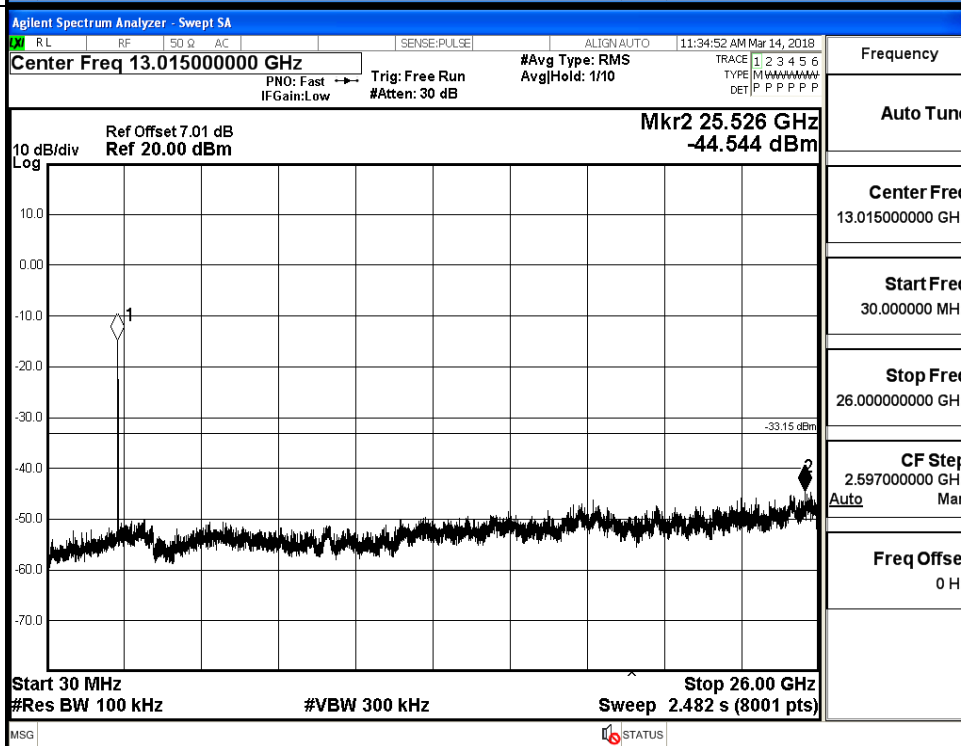


11N20SISO LCH Graphs

Pref/11N20SIS
O/LCH

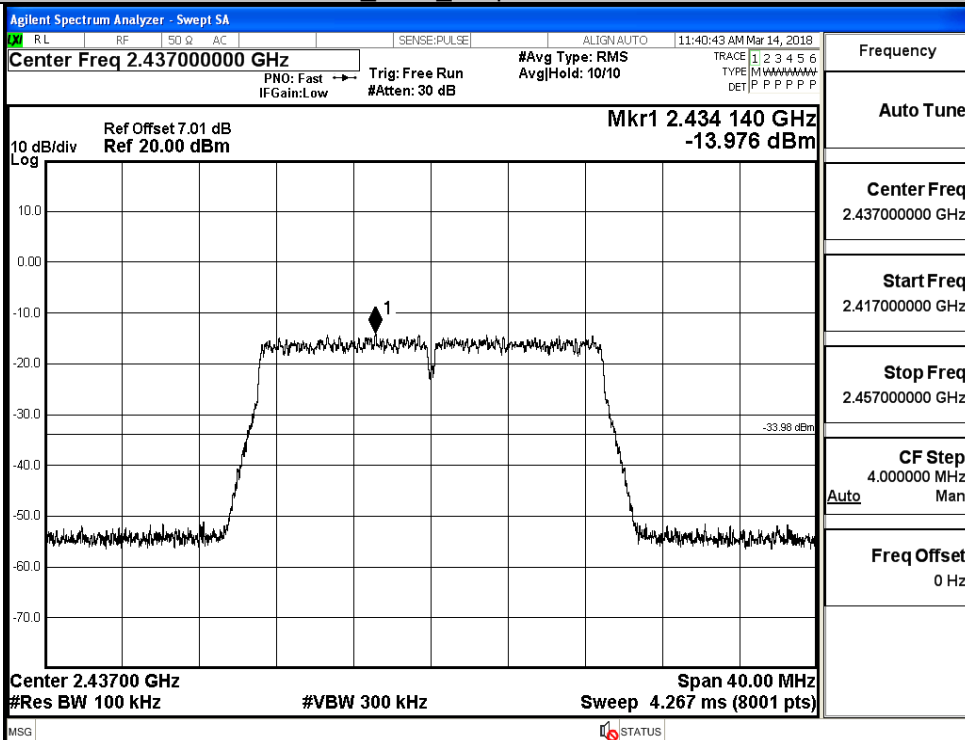


Puw/11N20
SISO/LCH

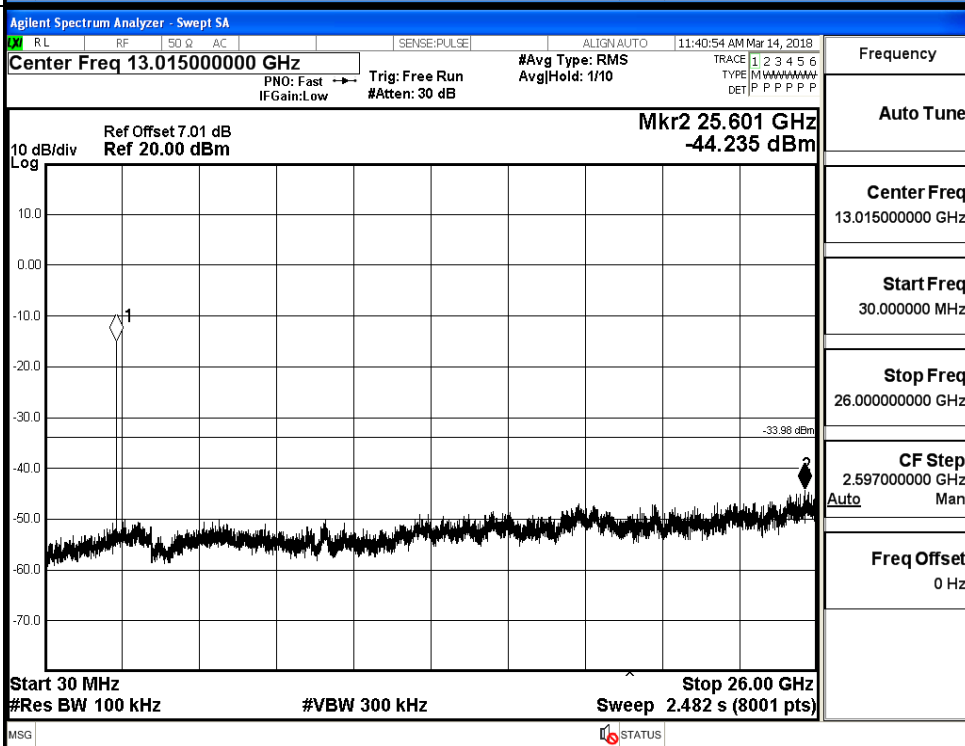


11N20SISO_MCH_Graphs

Pref/11N20
SISO/MCH

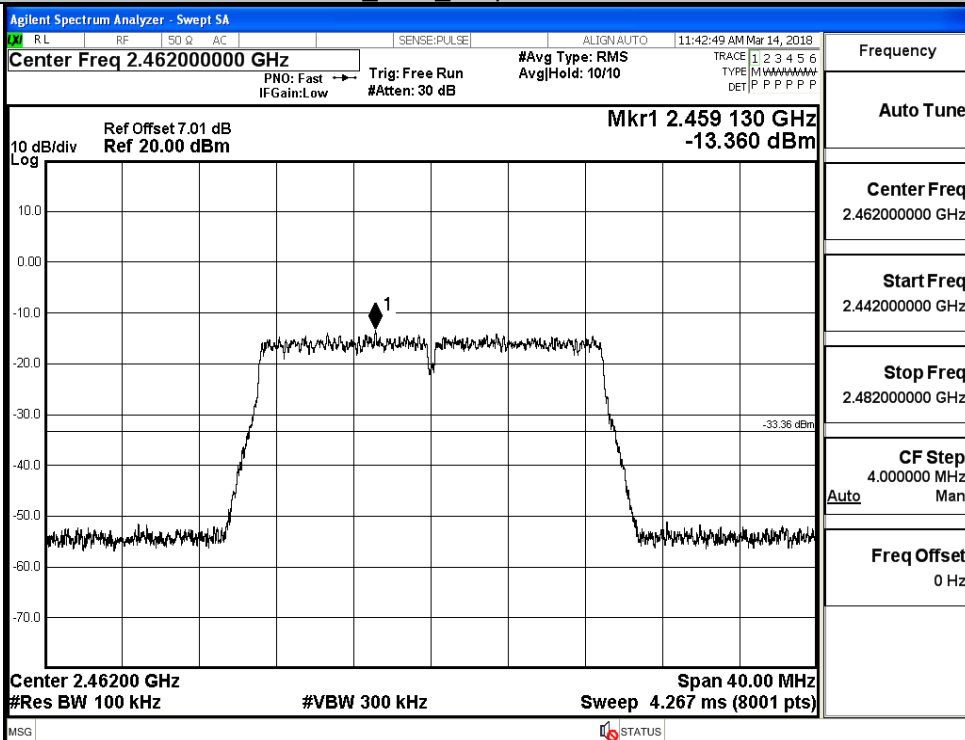


Puw/11N20
SISO/MCH

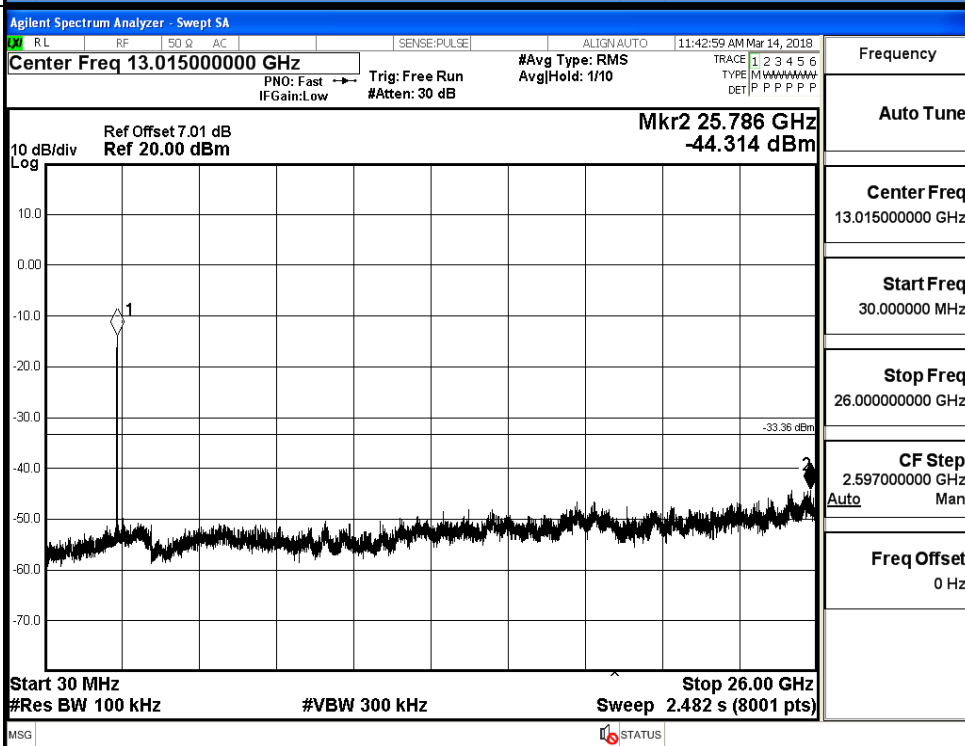


11N20SISO HCH Graphs

Pref/11N20
SISO/HCH

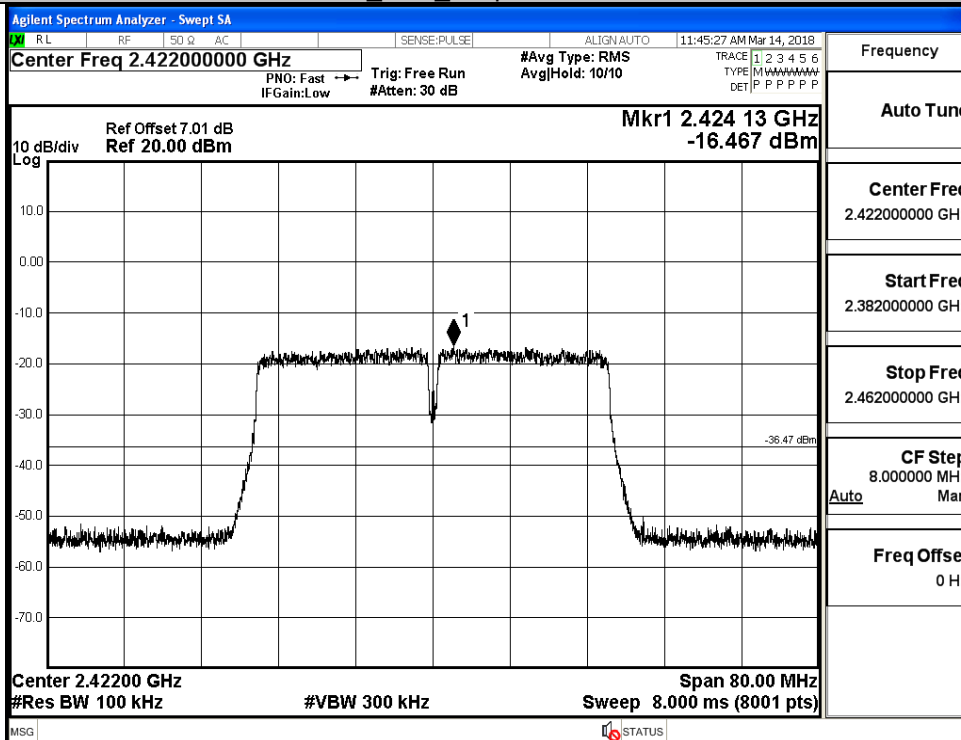


Puw/11N20
SISO/HCH

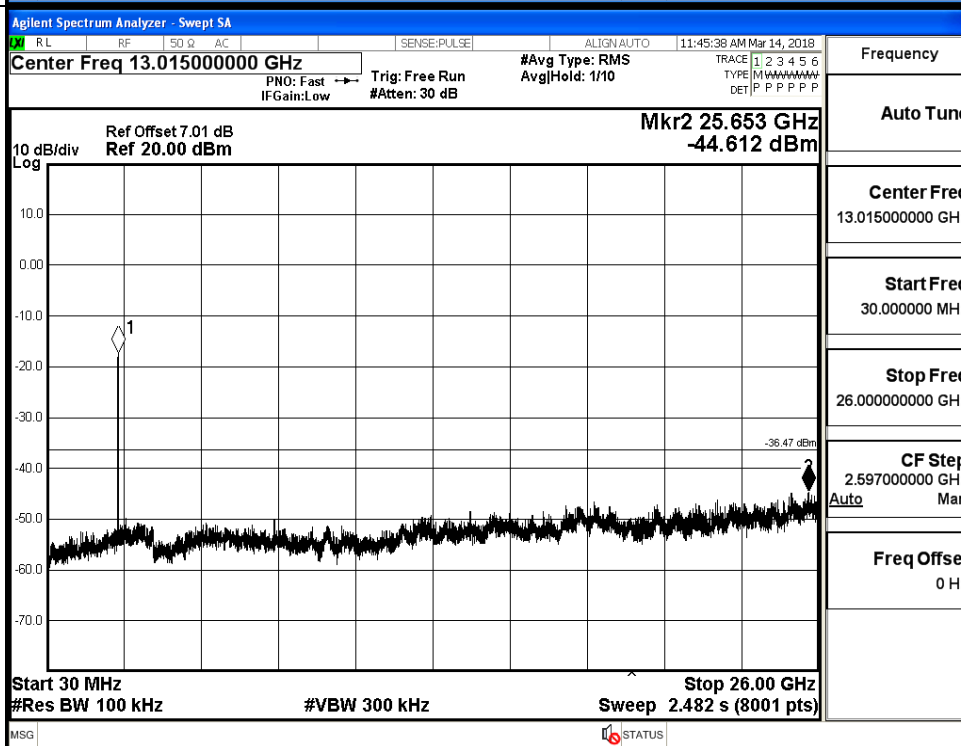


11N40SISO LCH Graphs

Pref/11N40
SISO/LCH

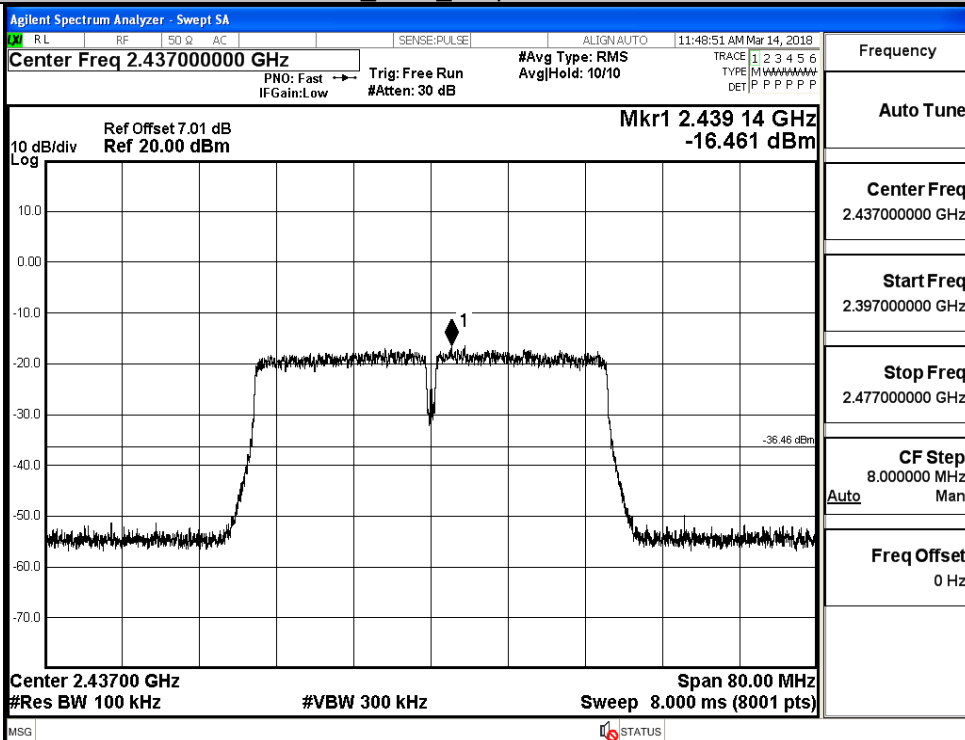


Puw/11N40
SISO/LCH

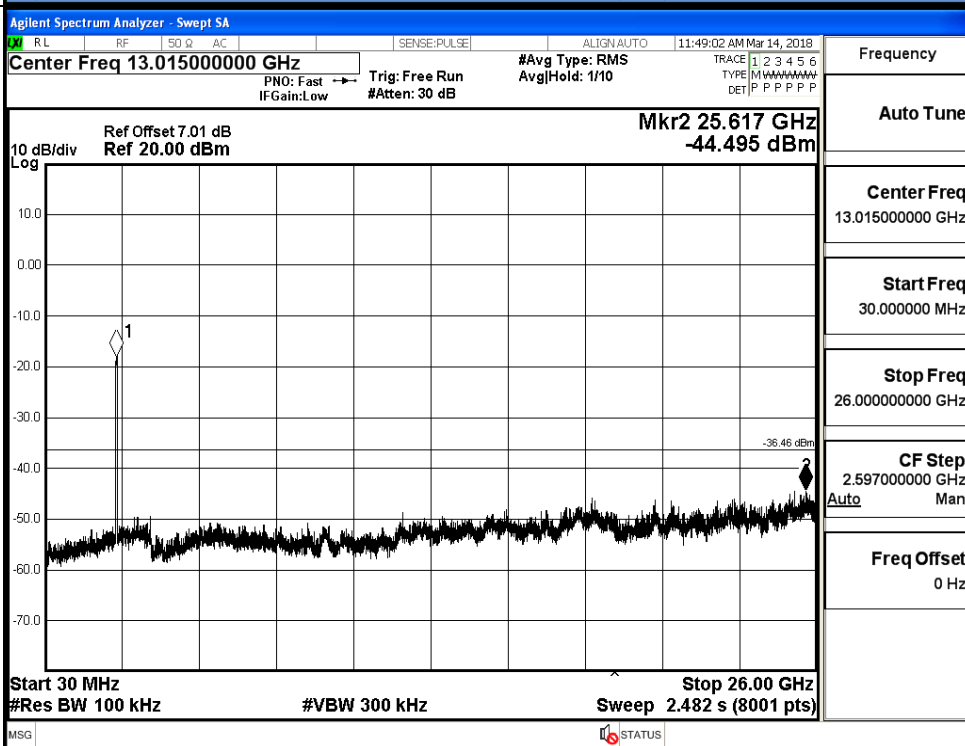


11N40SISO_MCH_Graphs

Pref/11N40
SISO/MCH

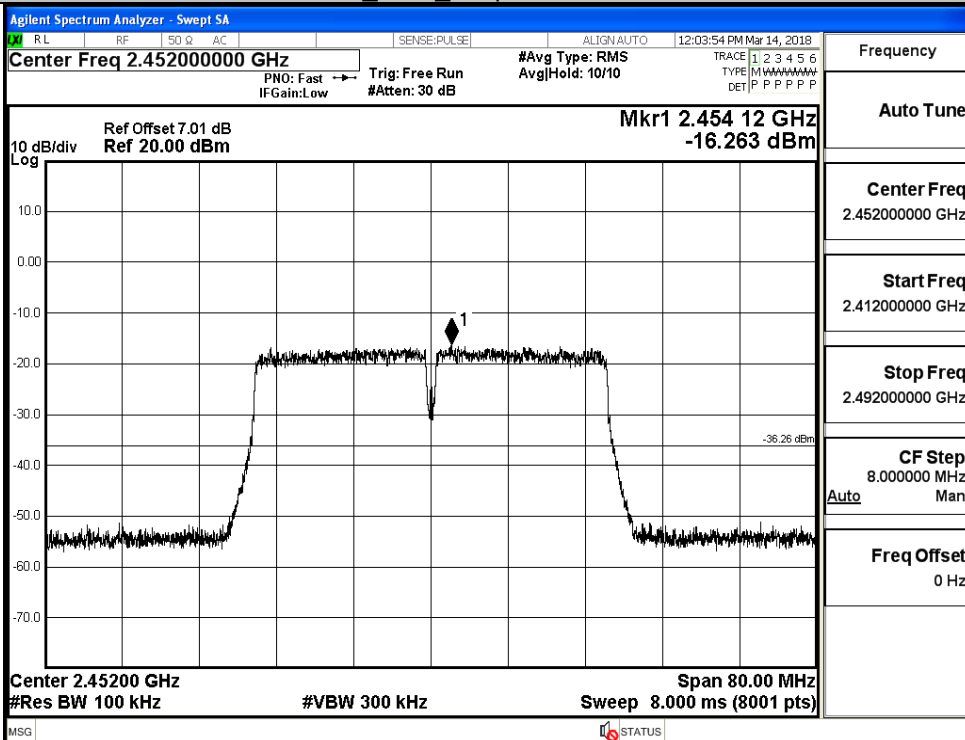


Puw/11N40
SISO/MCH

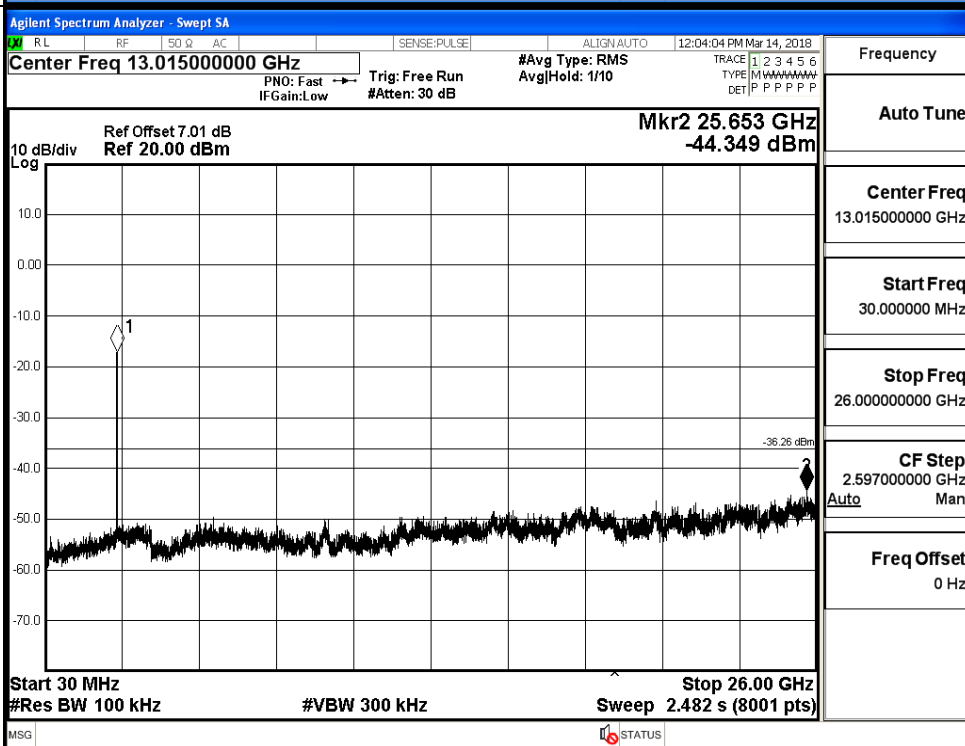


11N40SISO HCH Graphs

Pref/11N40
SISO/HCH



Puw/11N40
SISO/HCH

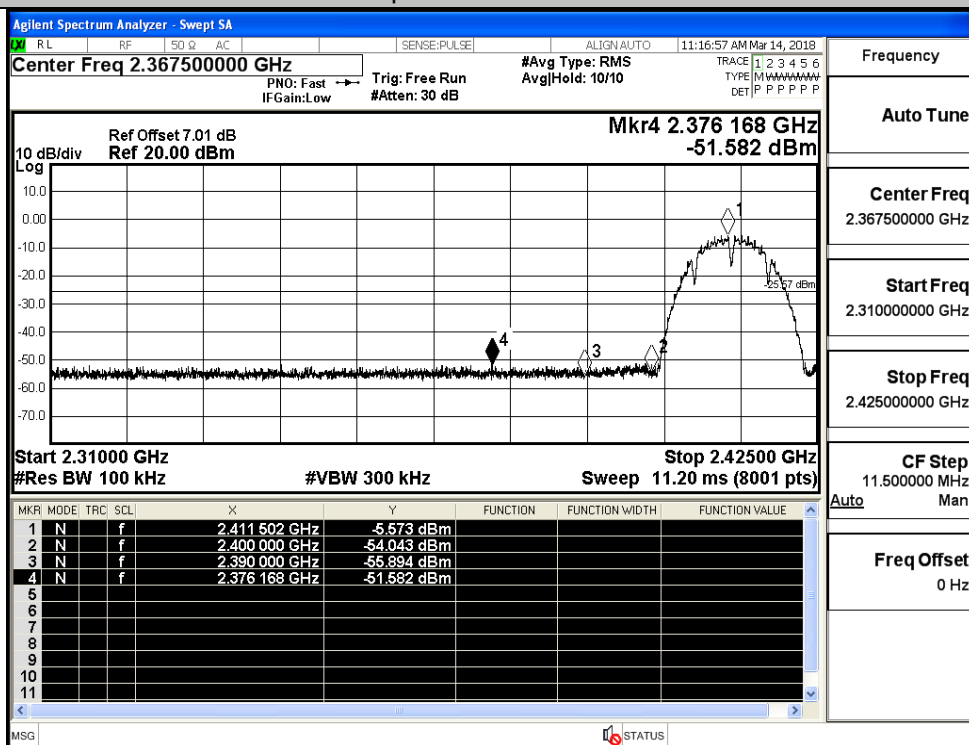


C.5 Band-edge for RF Conducted Emissions

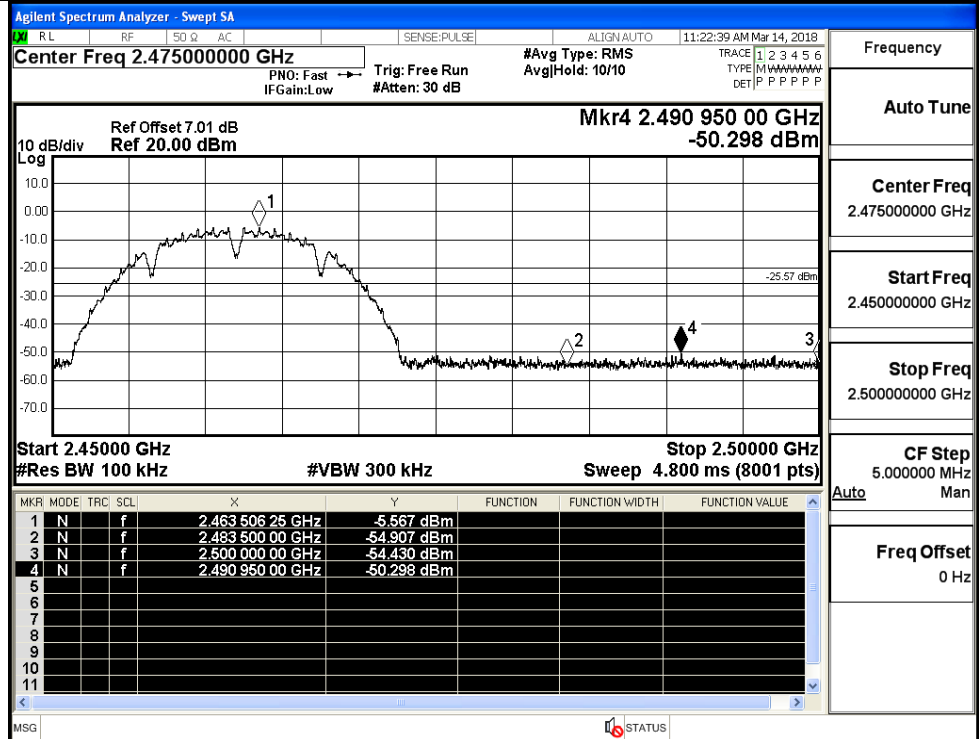
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-5.573	-51.582	-25.57	PASS
	HCH	-5.567	-50.298	-25.57	PASS
11G	LCH	-13.193	-50.801	-33.19	PASS
	HCH	-14.095	-51.098	-34.1	PASS
11N20SISO	LCH	-13.110	-51.199	-33.11	PASS
	HCH	-13.495	-50.362	-33.5	PASS
11N40SISO	LCH	-16.745	-50.829	-36.75	PASS
	HCH	-16.048	-50.623	-36.05	PASS

Test Graphs

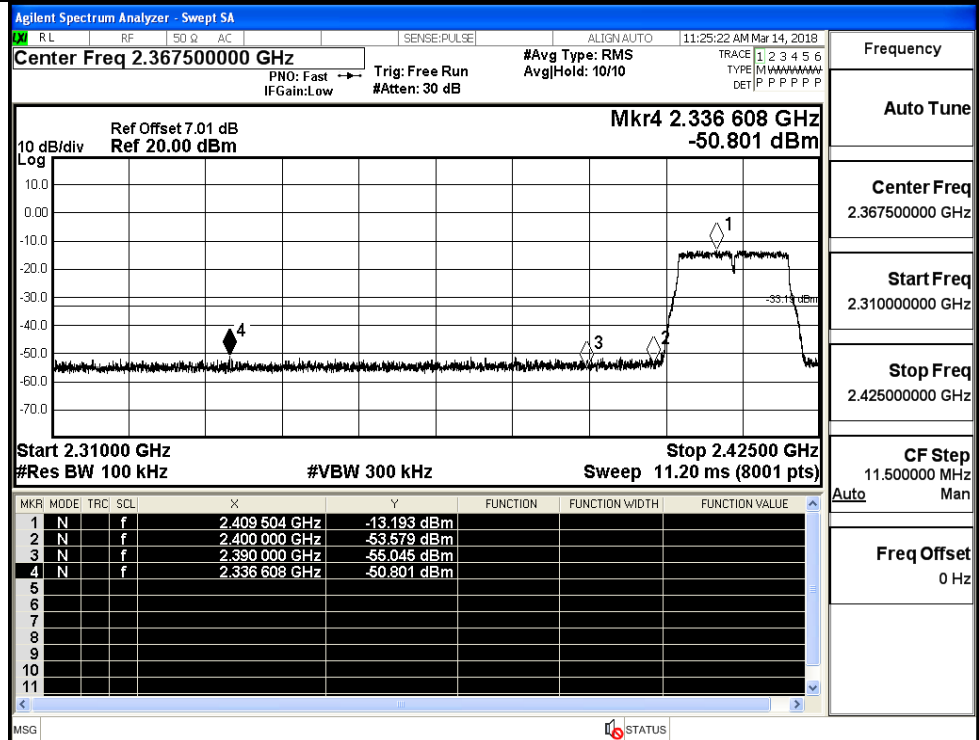
11B/LCH



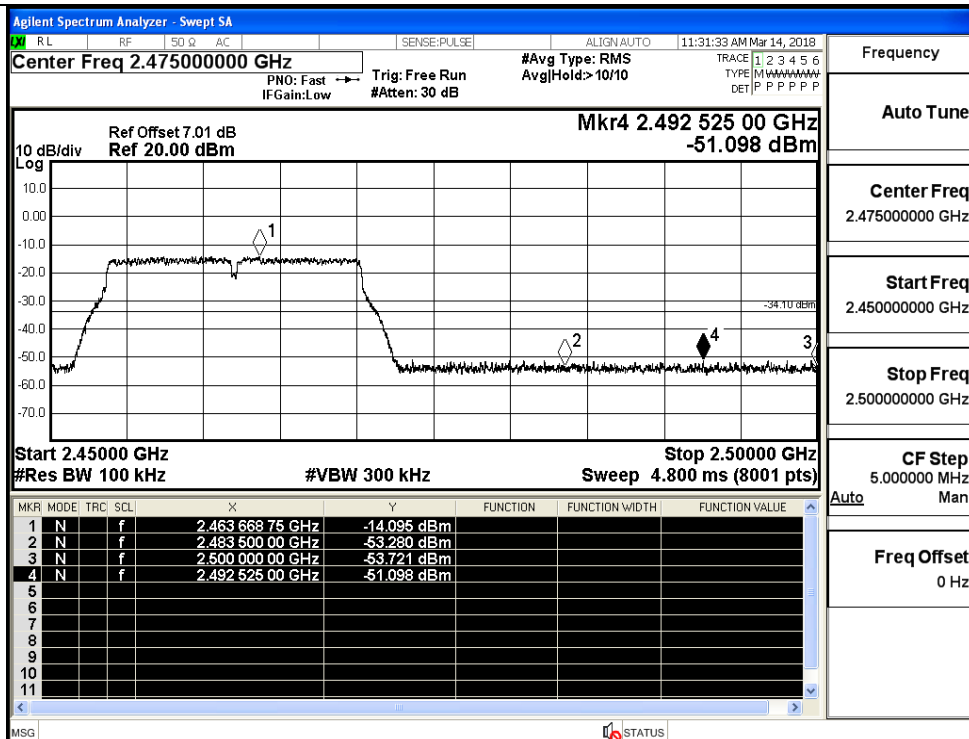
11B/HCH



11G/LCH



11G/HCH



Frequency

Auto Tune

Center Freq

2.475000000 GHz

Start Freq

2.450000000 GHz

Stop Freq

2.500000000 GHz

CF Step

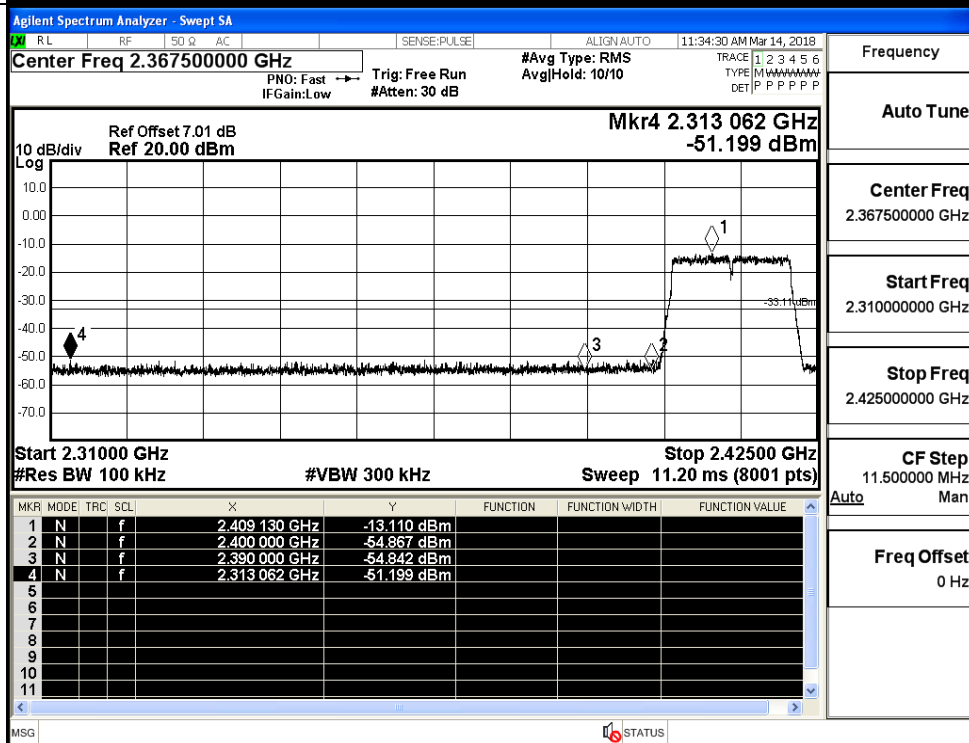
5.000000 MHz

Auto

Freq Offset

0 Hz

11N20SISO/LCH



Frequency

Auto Tune

Center Freq

2.367500000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.425000000 GHz

CF Step

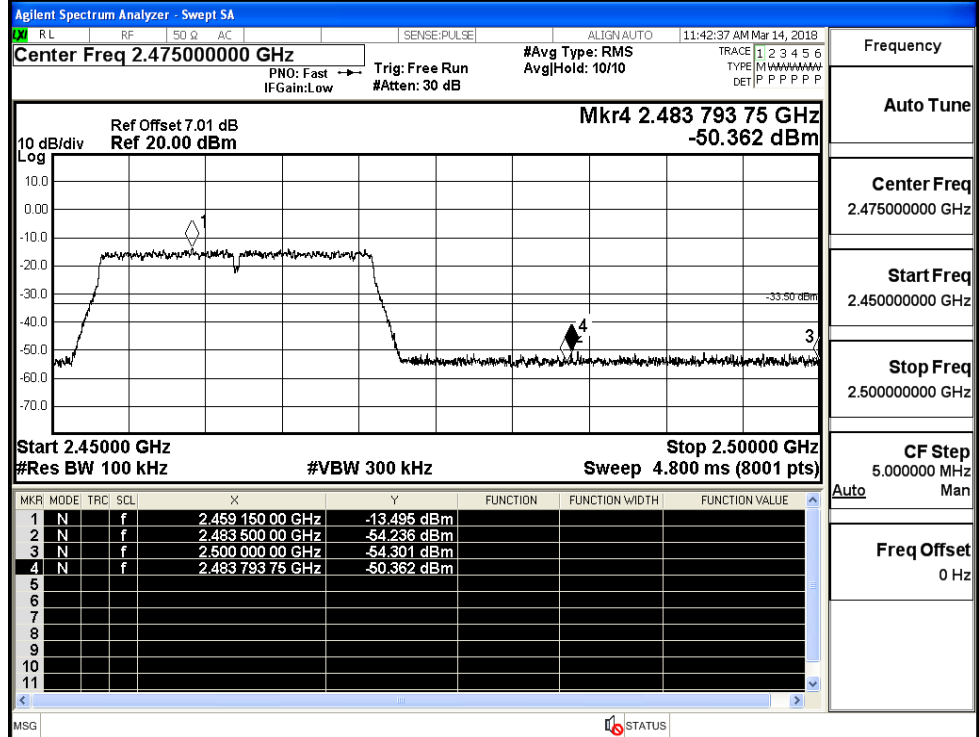
11.500000 MHz

Auto

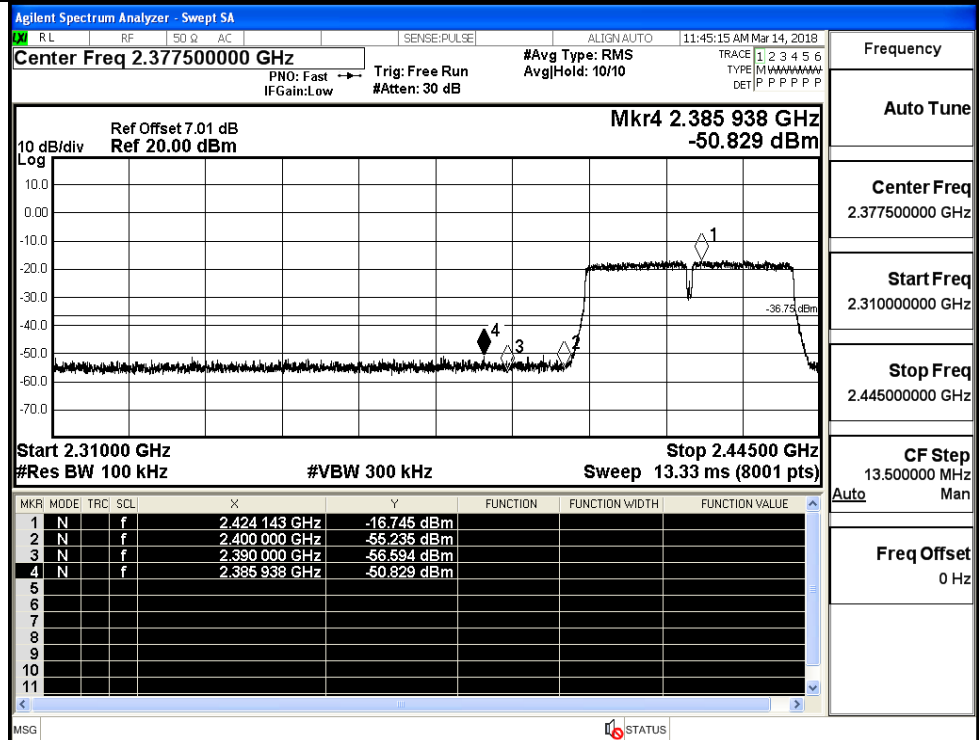
Freq Offset

0 Hz

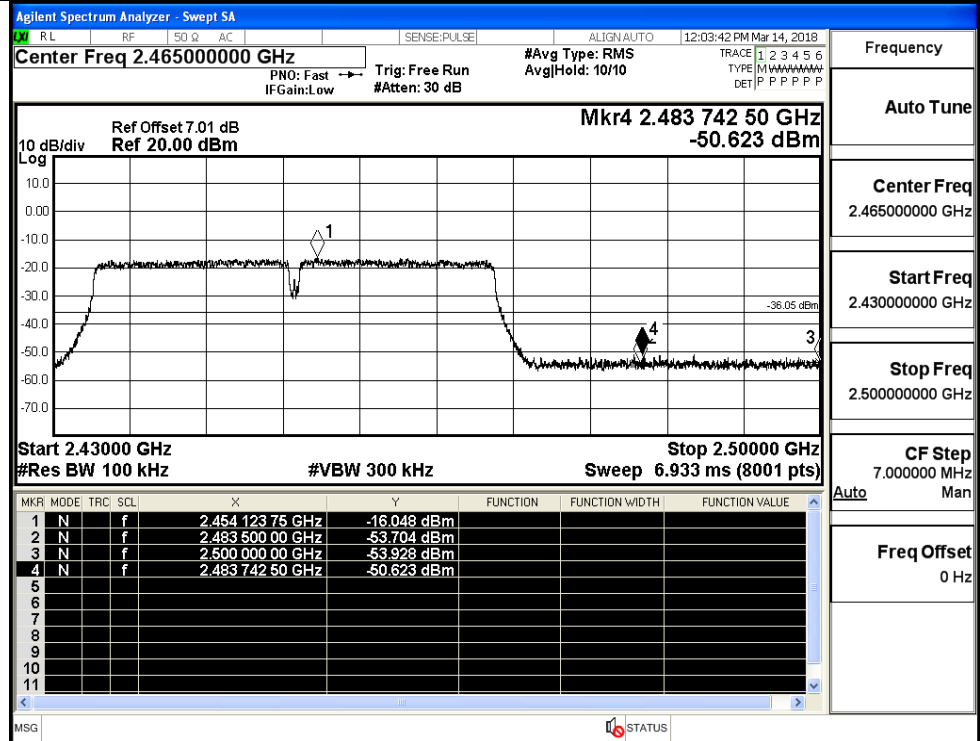
11N20SISO/HCH



11N40SISO/LCH



11N40SISO/HCH

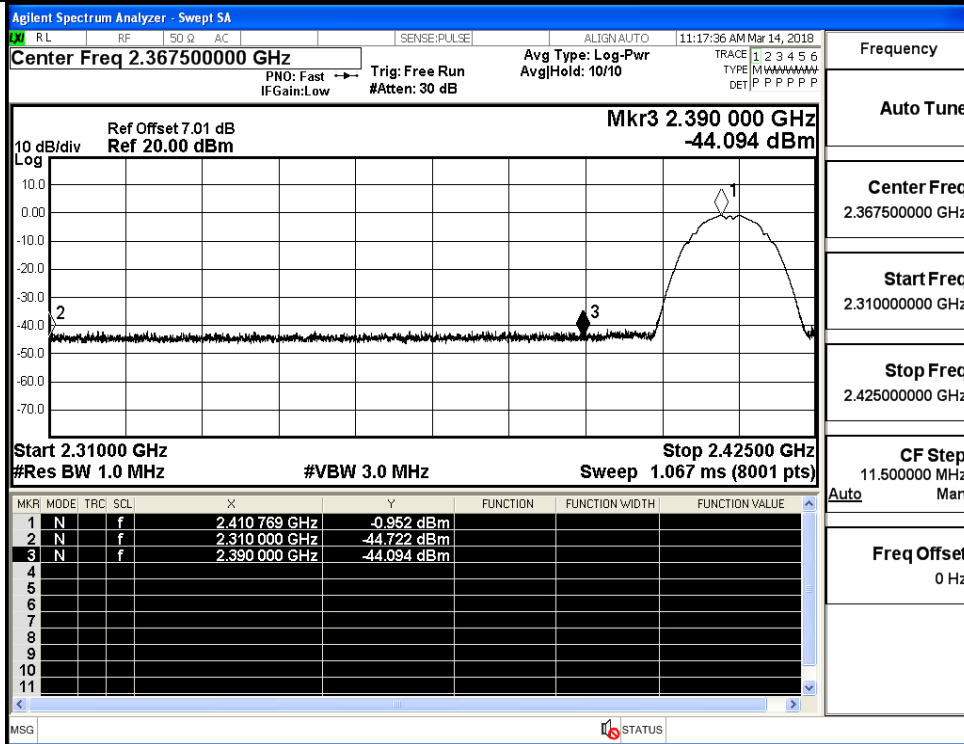


C.6 Restrict-band band-edge measurements

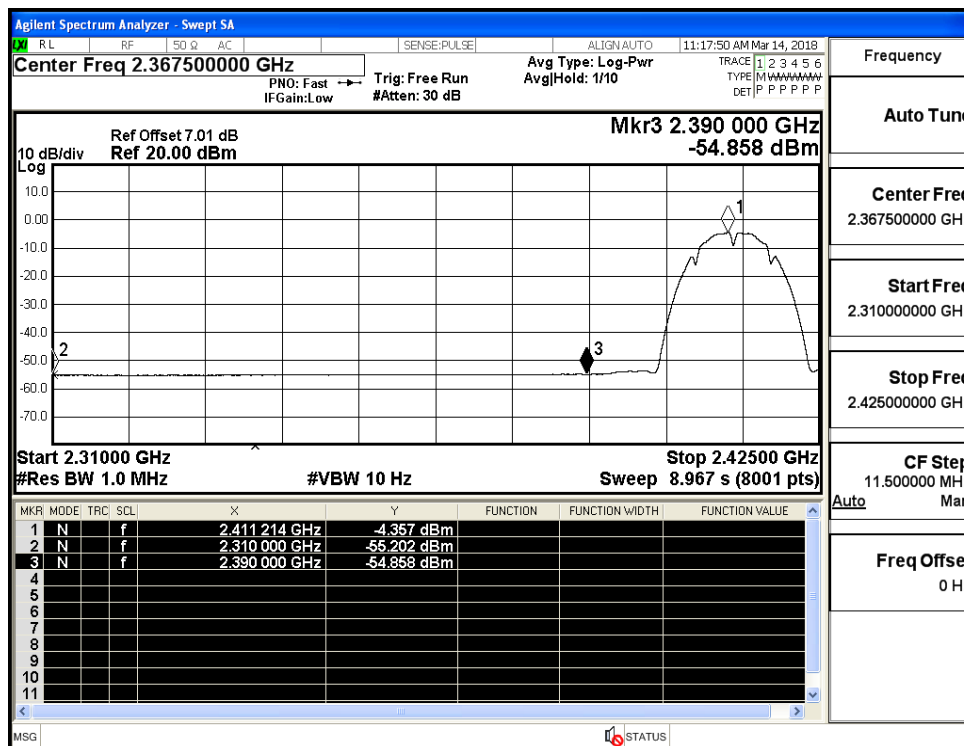
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-44.72	2.0	0	52.54	PEAK	74	PASS
	2412	Ant1	2310.0	-55.20	2.0	0	42.06	AV	54	PASS
	2412	Ant1	2390.0	-44.09	2.0	0	53.17	PEAK	74	PASS
	2412	Ant1	2390.0	-54.86	2.0	0	42.40	AV	54	PASS
	2462	Ant1	2483.5	-44.25	2.0	0	53.01	PEAK	74	PASS
	2462	Ant1	2483.5	-54.63	2.0	0	42.63	AV	54	PASS
	2462	Ant1	2500.0	-44.84	2.0	0	52.42	PEAK	74	PASS
	2462	Ant1	2500.0	-54.45	2.0	0	42.81	AV	54	PASS
11G	2412	Ant1	2310.0	-44.88	2.0	0	52.38	PEAK	74	PASS
	2412	Ant1	2310.0	-55.11	2.0	0	42.15	AV	54	PASS
	2412	Ant1	2390.0	-43.30	2.0	0	53.96	PEAK	74	PASS
	2412	Ant1	2390.0	-54.45	2.0	0	42.81	AV	54	PASS
	2462	Ant1	2483.5	-42.67	2.0	0	54.59	PEAK	74	PASS
	2462	Ant1	2483.5	-54.41	2.0	0	42.85	AV	54	PASS
	2462	Ant1	2500.0	-44.56	2.0	0	52.70	PEAK	74	PASS
	2462	Ant1	2500.0	-54.36	2.0	0	42.90	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-44.88	2.0	0	52.38	PEAK	74	PASS
	2412	Ant1	2310.0	-55.11	2.0	0	42.15	AV	54	PASS
	2412	Ant1	2390.0	-43.3	2.0	0	53.96	PEAK	74	PASS
	2412	Ant1	2390.0	-54.45	2.0	0	42.81	AV	54	PASS
	2462	Ant1	2483.5	-42.67	2.0	0	54.59	PEAK	74	PASS
	2462	Ant1	2483.5	-54.41	2.0	0	42.85	AV	54	PASS
	2462	Ant1	2500.0	-44.56	2.0	0	52.70	PEAK	74	PASS
	2462	Ant1	2500.0	-54.36	2.0	0	42.90	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-44.84	2.0	0	52.42	PEAK	74	PASS
	2422	Ant1	2310.0	-55.13	2.0	0	42.13	AV	54	PASS

	2422	Ant1	2390.0	-44.45	2.0	0	52.81	PEAK	74	PASS
	2422	Ant1	2390.0	-54.60	2.0	0	42.66	AV	54	PASS
	2452	Ant1	2483.5	-43.29	2.0	0	53.97	PEAK	74	PASS
	2452	Ant1	2483.5	-54.43	2.0	0	42.83	AV	54	PASS
	2452	Ant1	2500.0	-43.92	2.0	0	53.34	PEAK	74	PASS
	2452	Ant1	2500.0	-54.39	2.0	0	42.87	AV	54	PASS

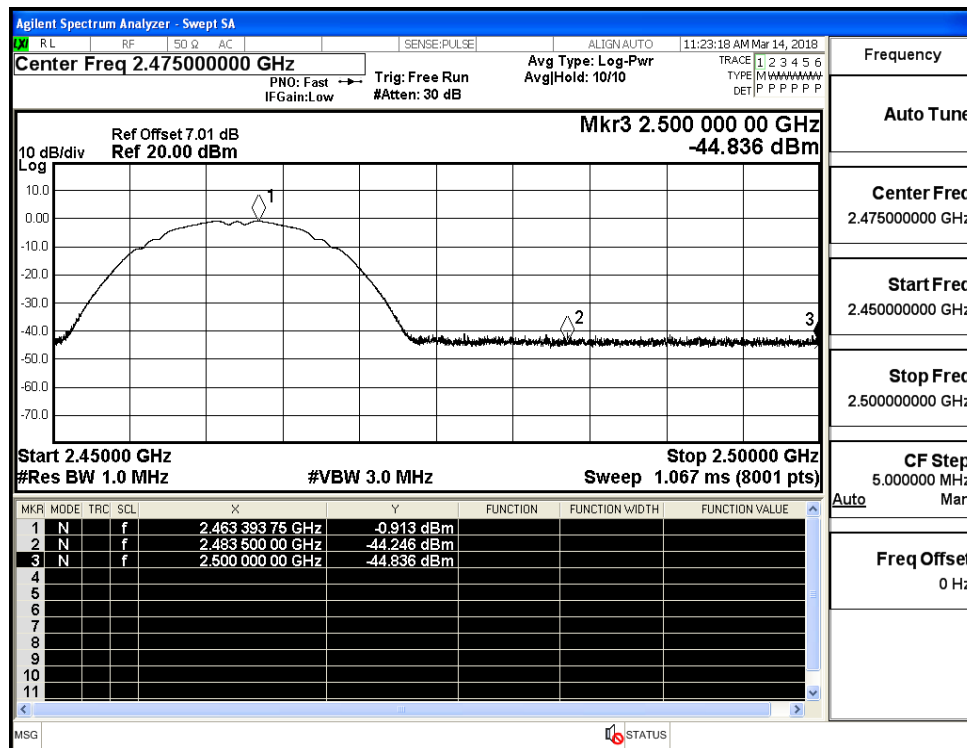
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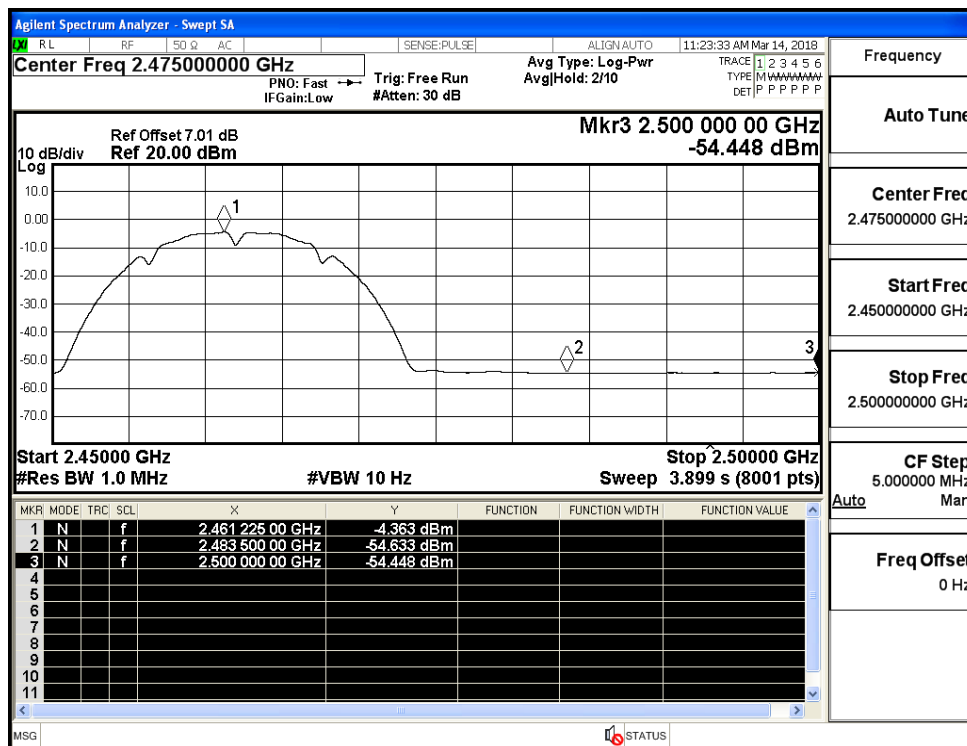
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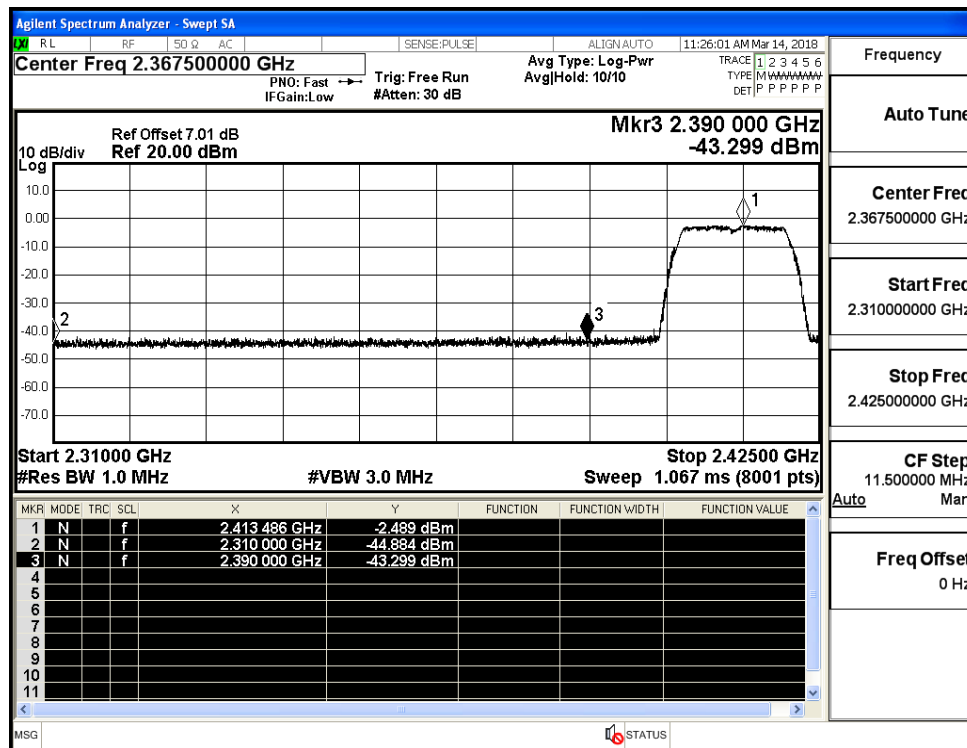
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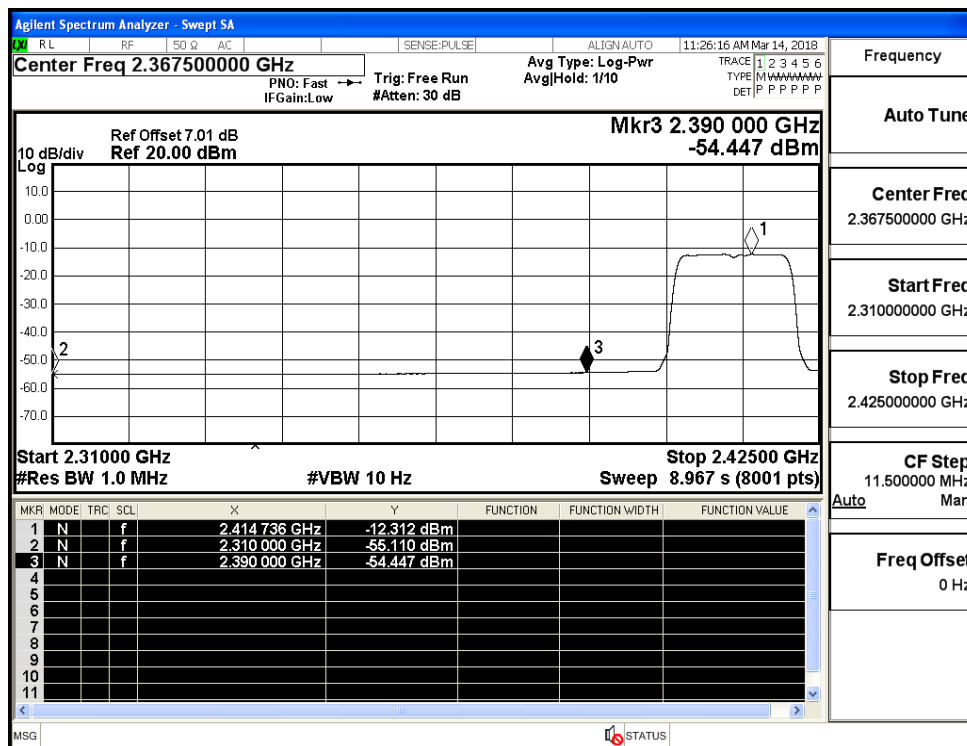
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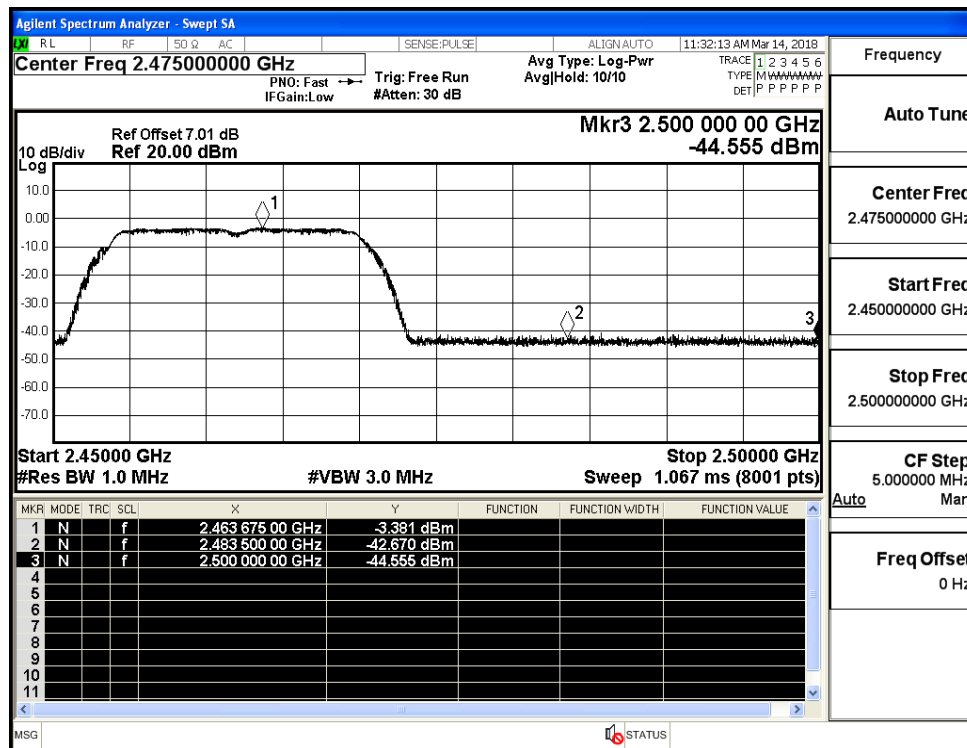
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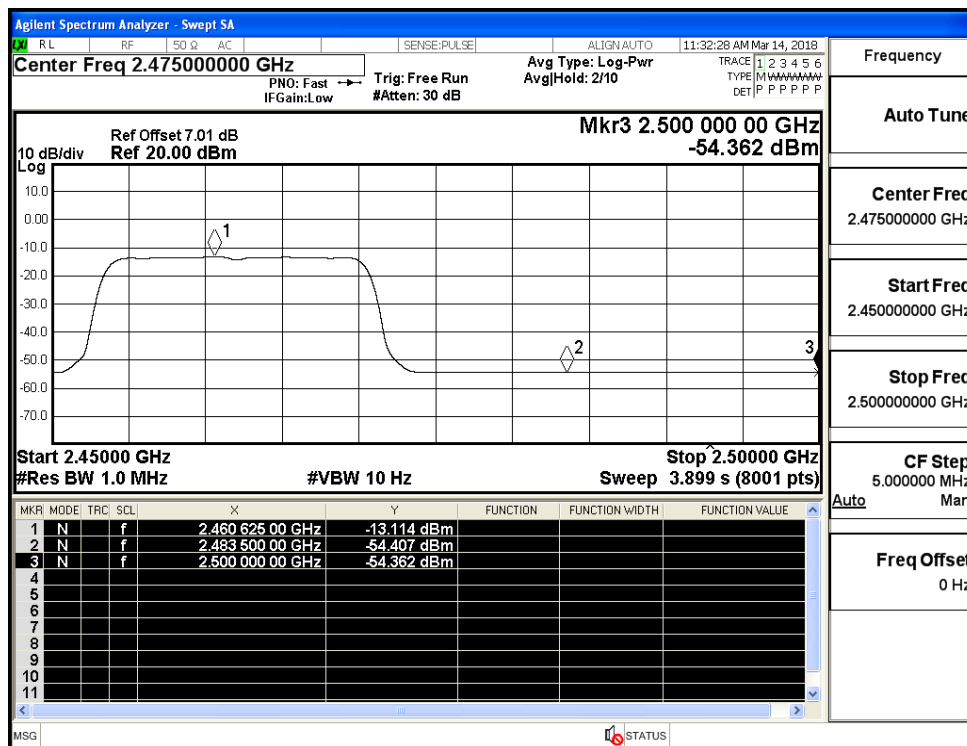
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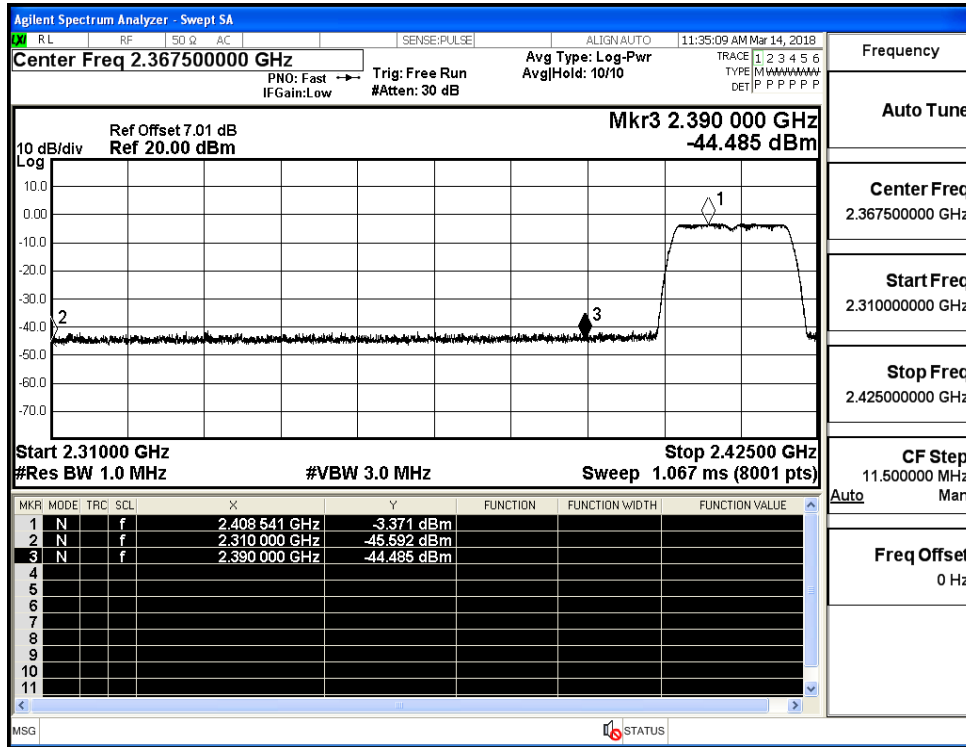
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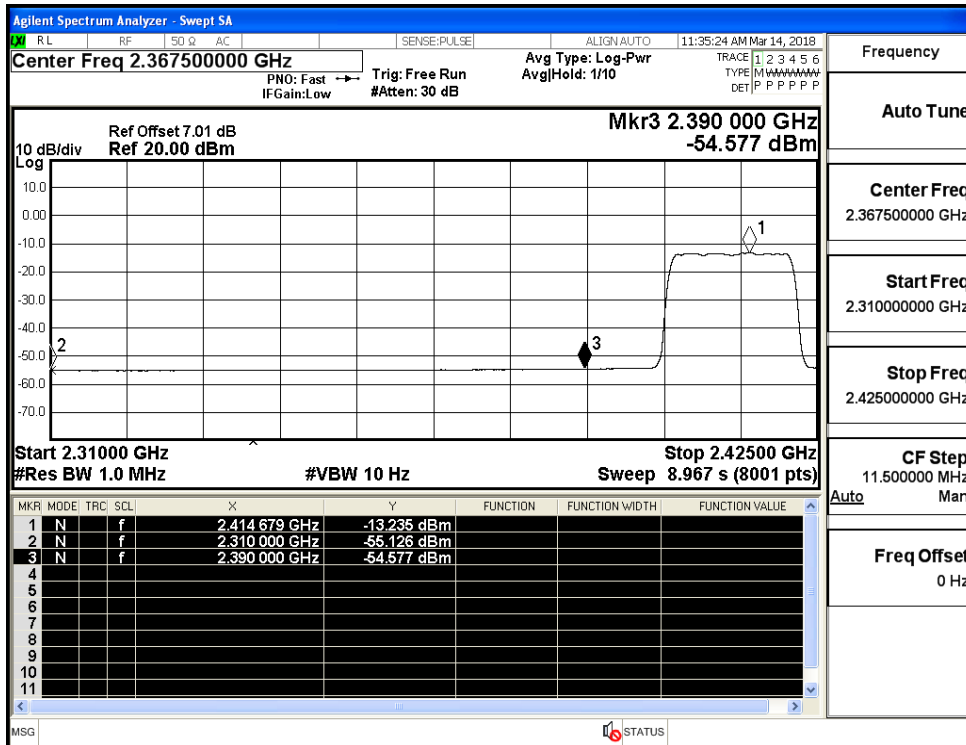
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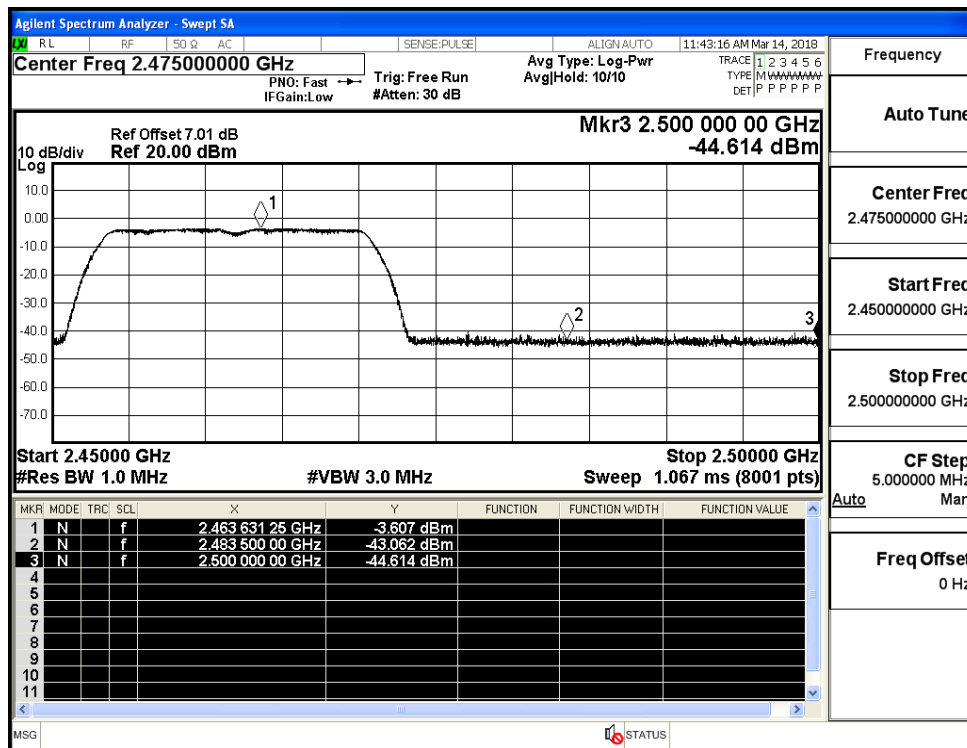
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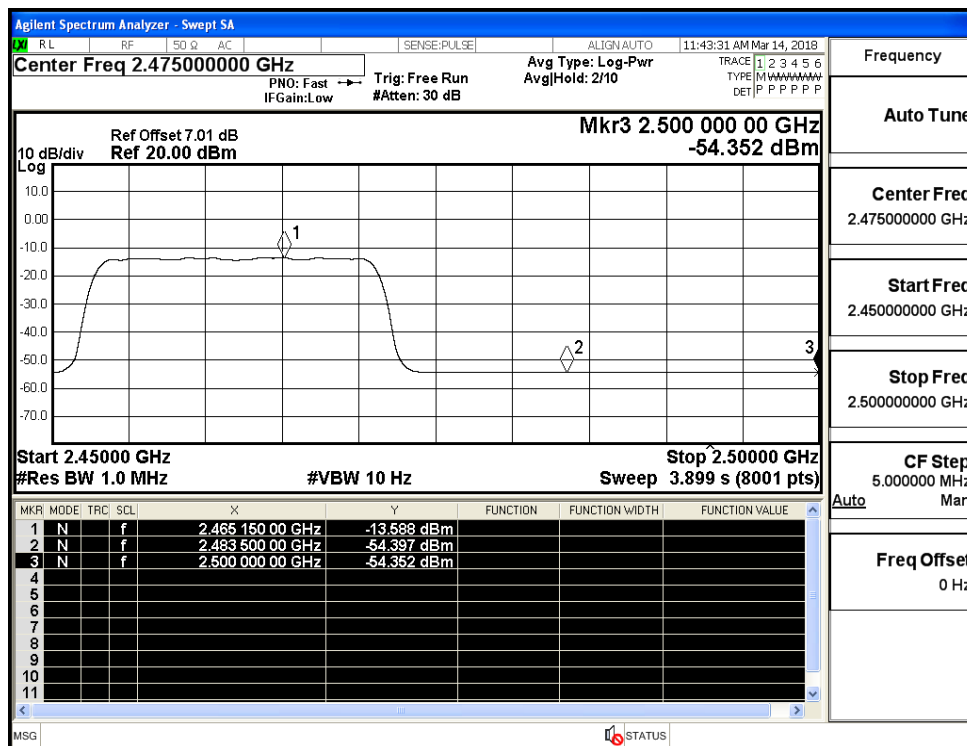
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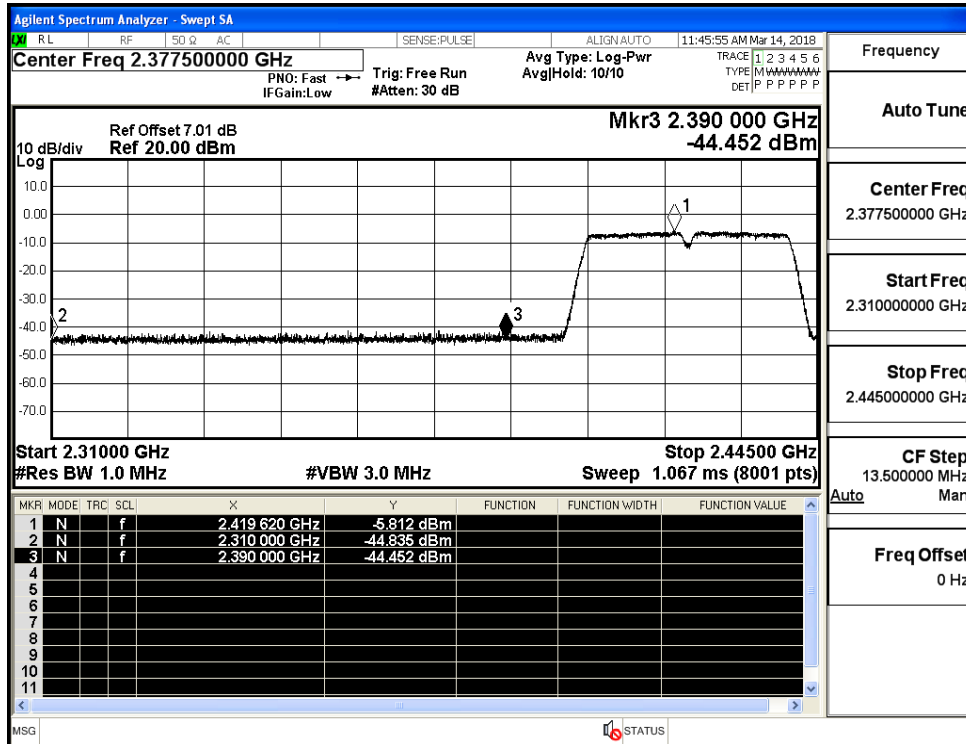
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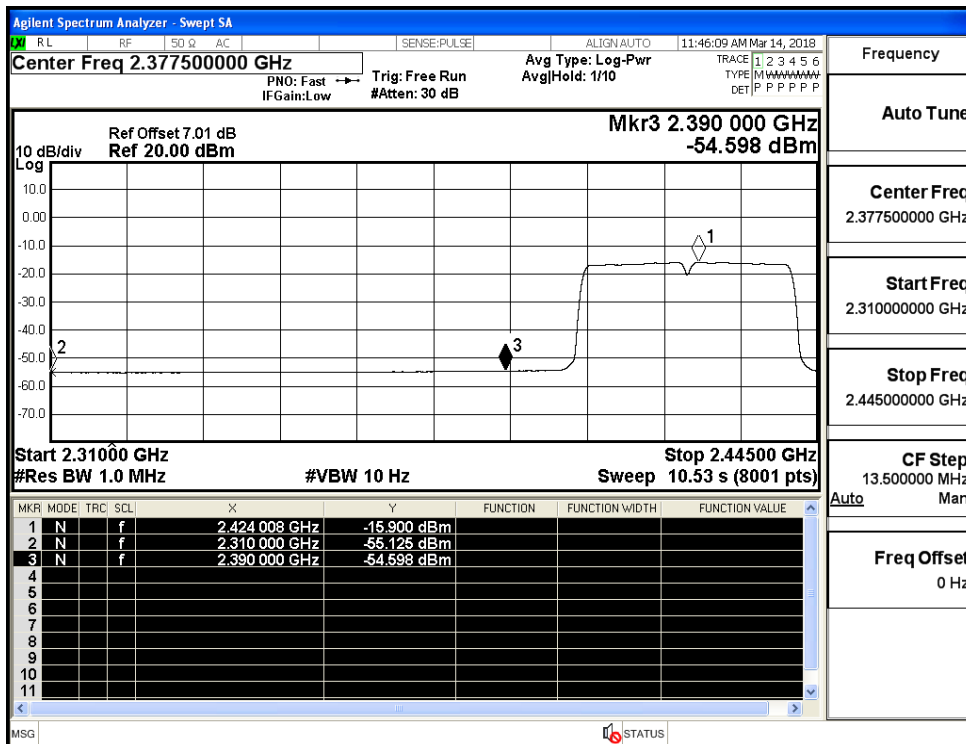
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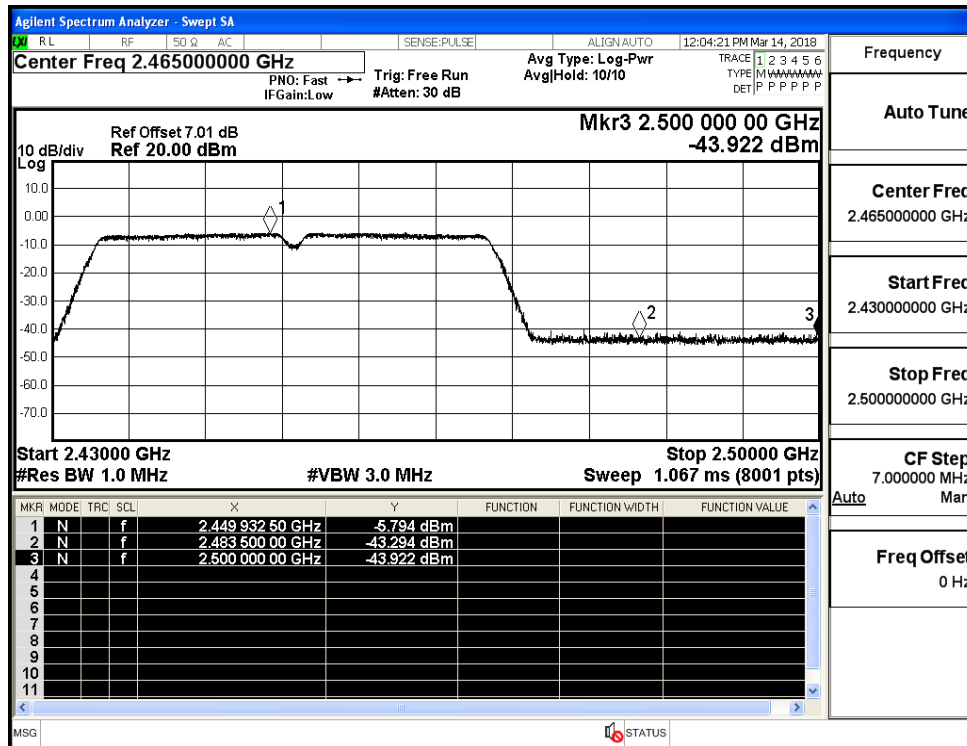
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Restrict-band band-edge measurements_11N40SISO_2422_Ant1_AV



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_AV

