

Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Non-Subscription 7 inch Tablet

Trade Mark: N/A

Test Model: TAB-T103A

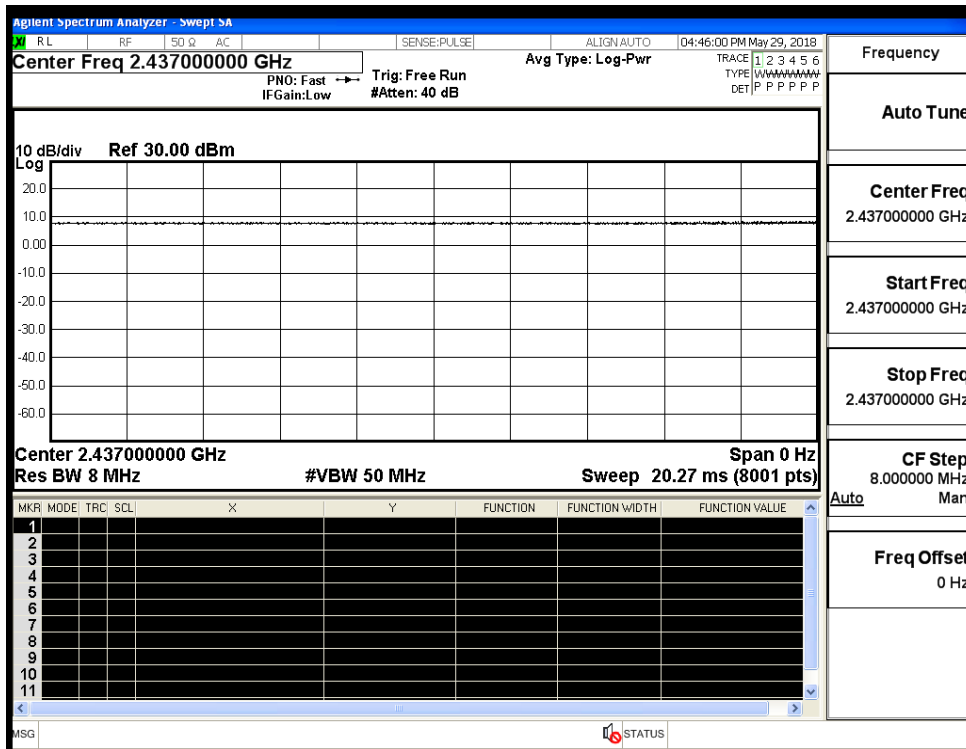
Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Wilson Hong
Supervised by:	Jayden.Zhuo

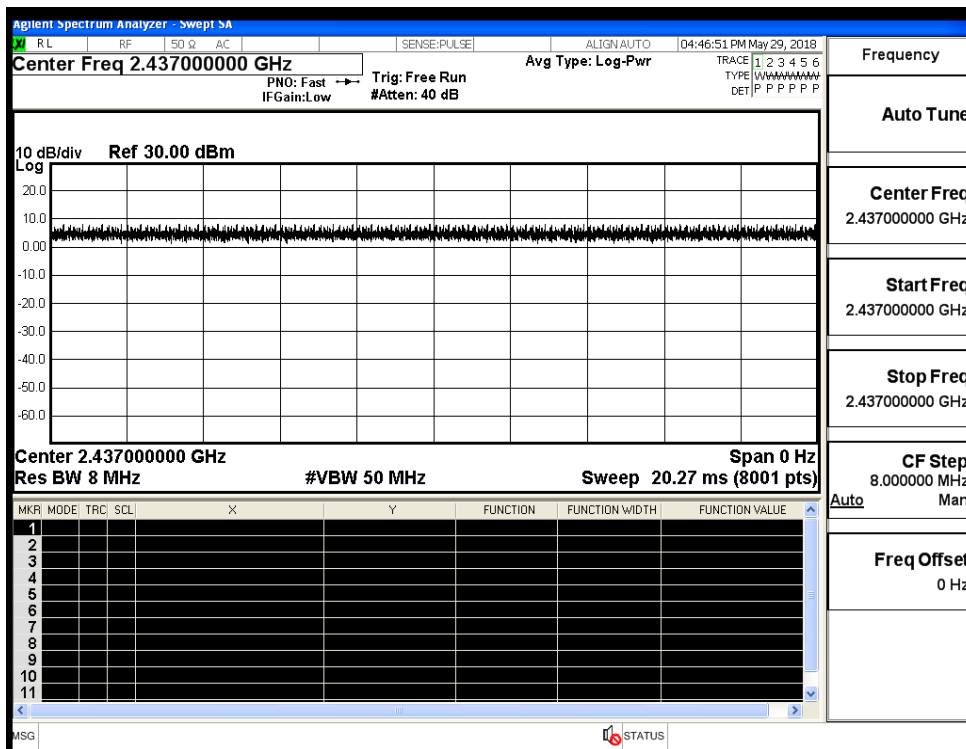
C.1 Duty Cycle

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

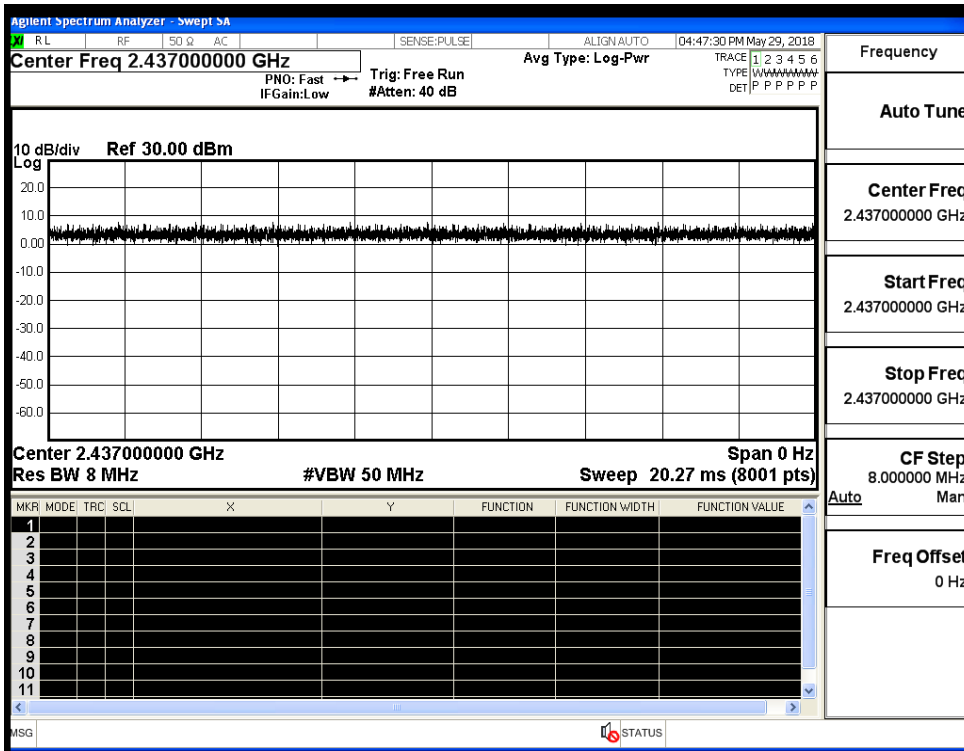
Duty Cycle_11B_2437_Ant1



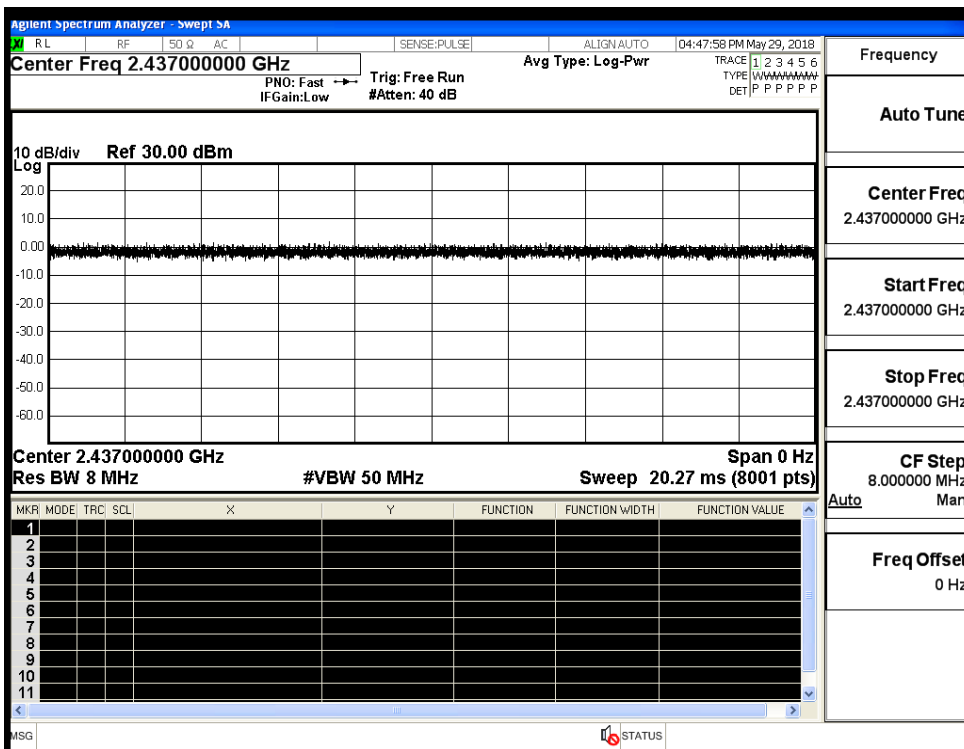
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1

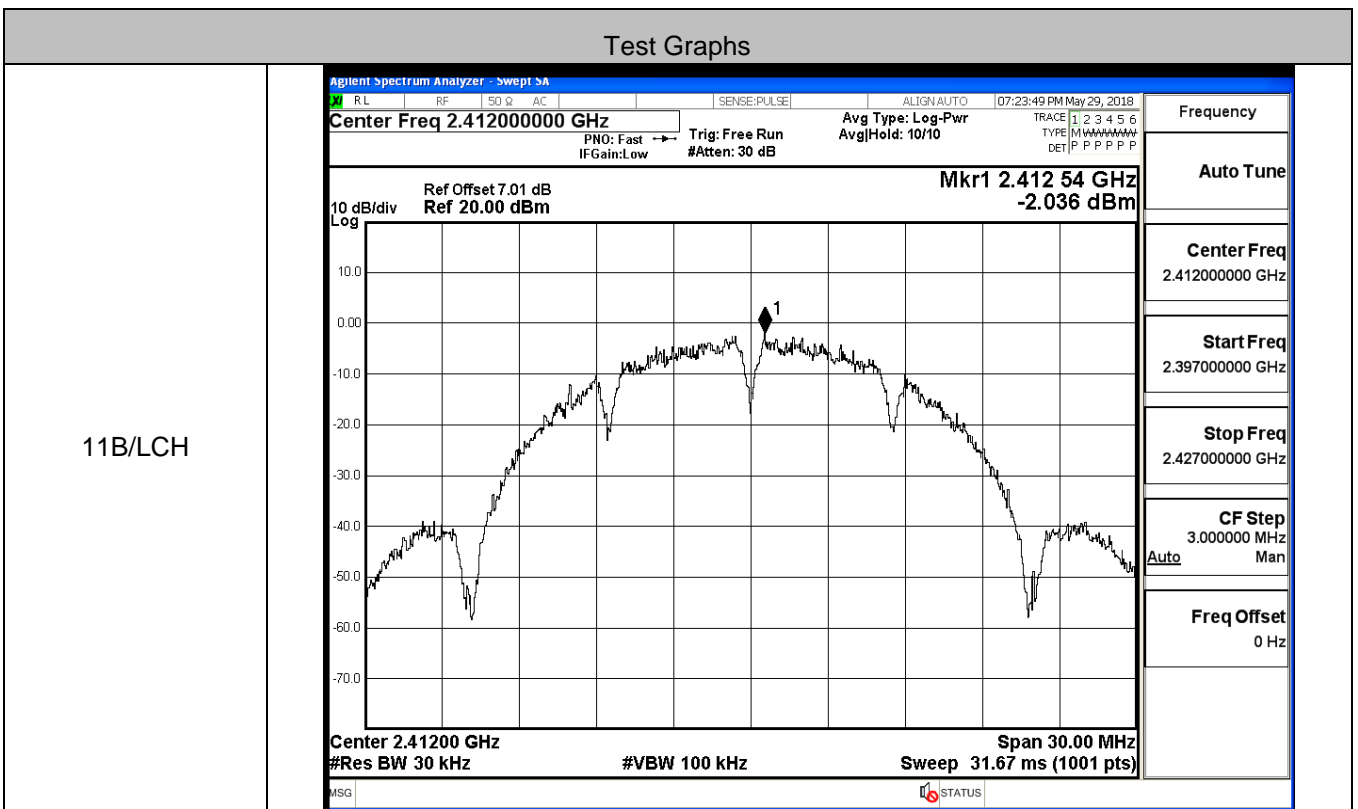


C.2 Maximum Conducted Peak Output Power

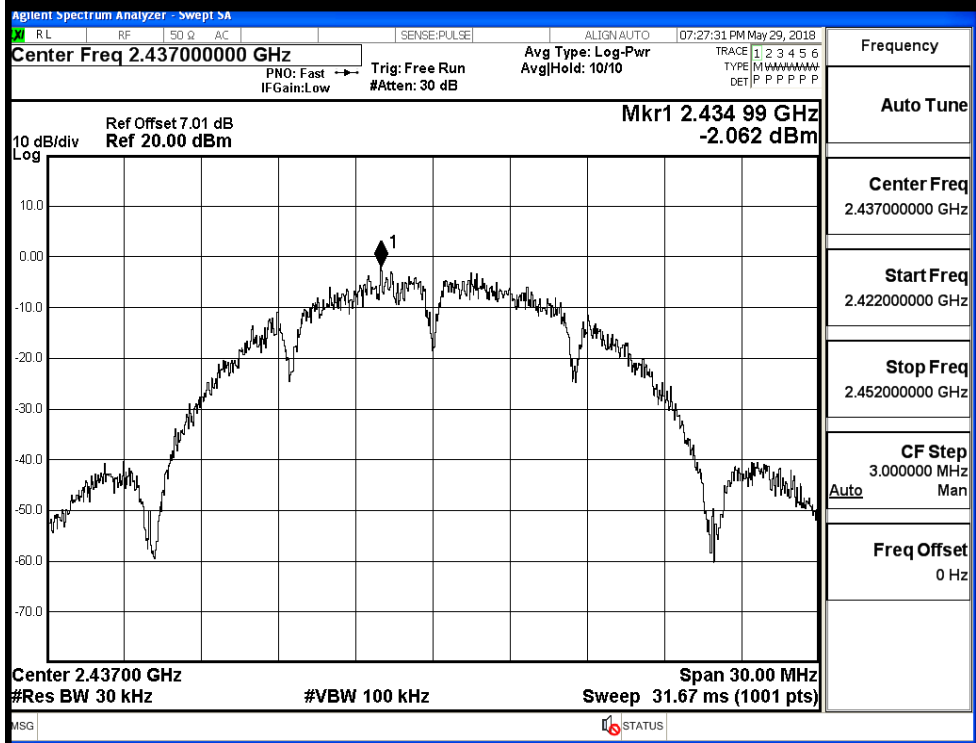
Mode	Channel	Conducted Peak Power [dBm]	Conducted Average Power [dBm]	Limit [dBm]	Verdict
11B	LCH	16.99	14.39	30	PASS
	MCH	16.45	13.45	30	PASS
	HCH	16.36	13.96	30	PASS
11G	LCH	15.89	13.19	30	PASS
	MCH	15.17	12.67	30	PASS
	HCH	15.94	13.14	30	PASS
11N20SISO	LCH	15.86	12.96	30	PASS
	MCH	15.17	12.37	30	PASS
	HCH	15.87	13.47	30	PASS
11N40SISO	LCH	14.91	12.31	30	PASS
	MCH	14.81	12.41	30	PASS
	HCH	14.32	11.42	30	PASS

C.3 Maximum Power Spectral Density

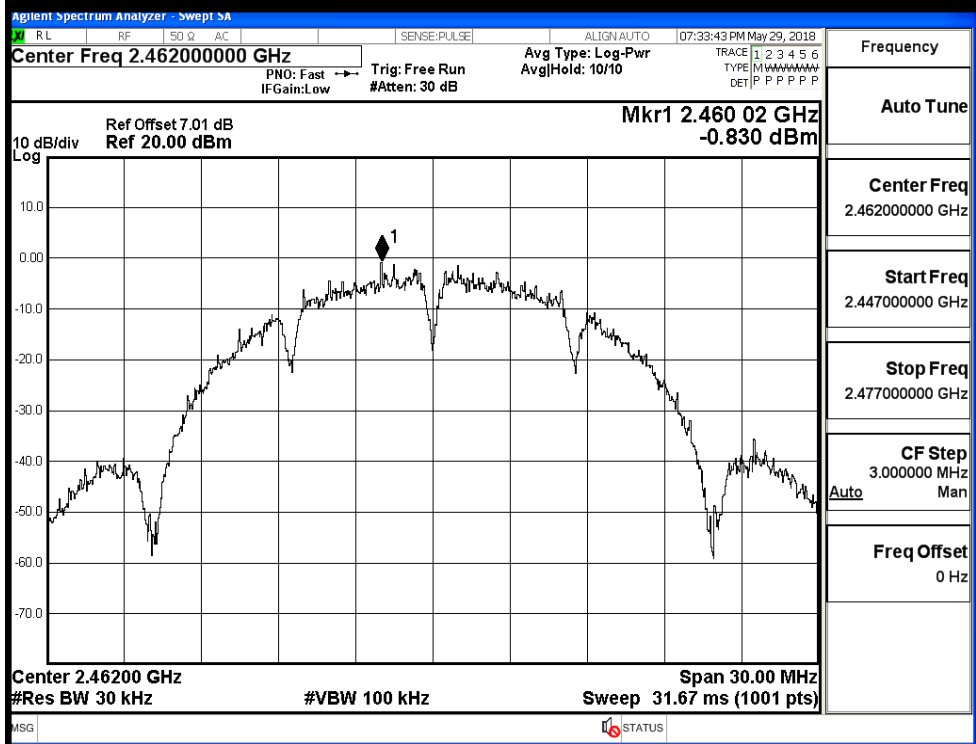
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-2.036	8	PASS
	MCH	-2.062	8	PASS
	HCH	-0.830	8	PASS
11G	LCH	-7.279	8	PASS
	MCH	-6.794	8	PASS
	HCH	-6.561	8	PASS
11N20SISO	LCH	-8.428	8	PASS
	MCH	-9.013	8	PASS
	HCH	-8.678	8	PASS
11N40SISO	LCH	-13.192	8	PASS
	MCH	-13.869	8	PASS
	HCH	-12.971	8	PASS



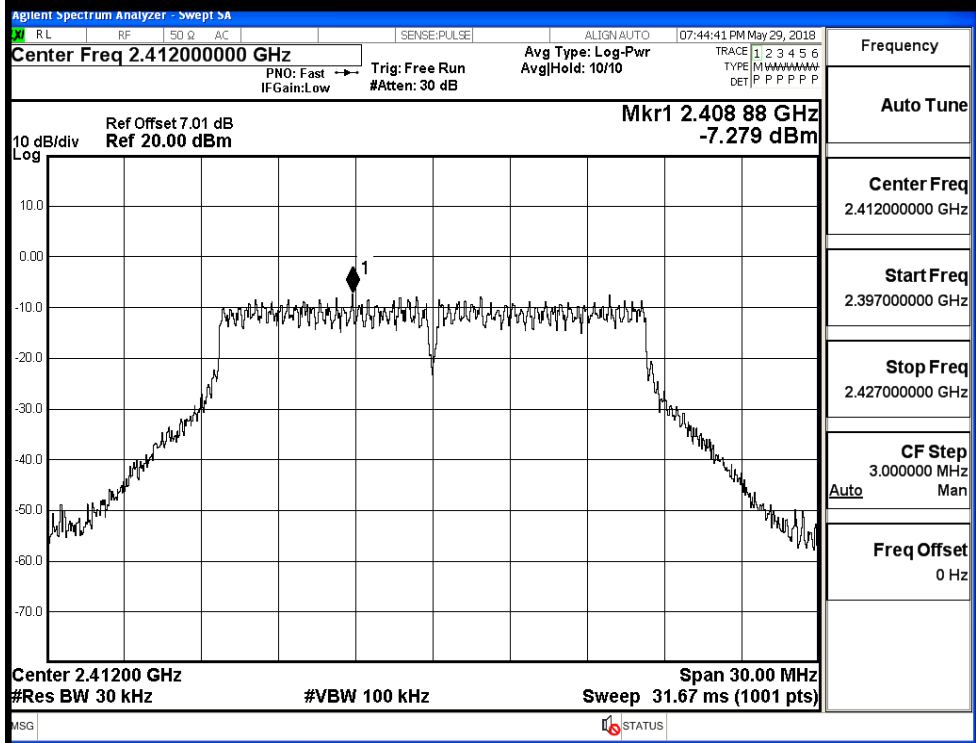
11B/MCH



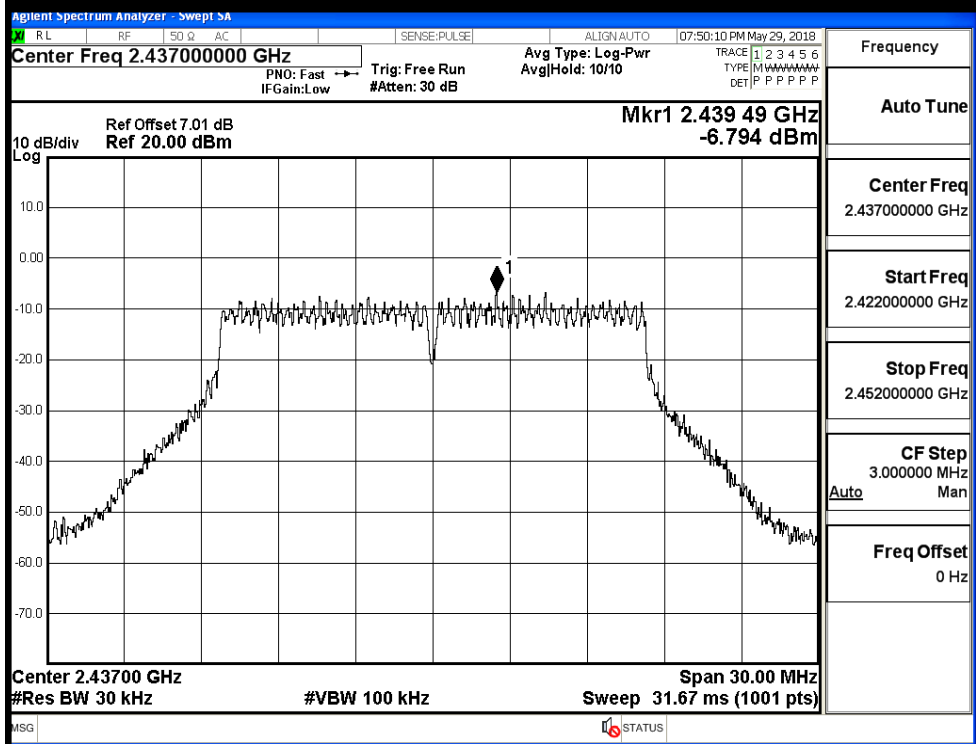
11B/HCH



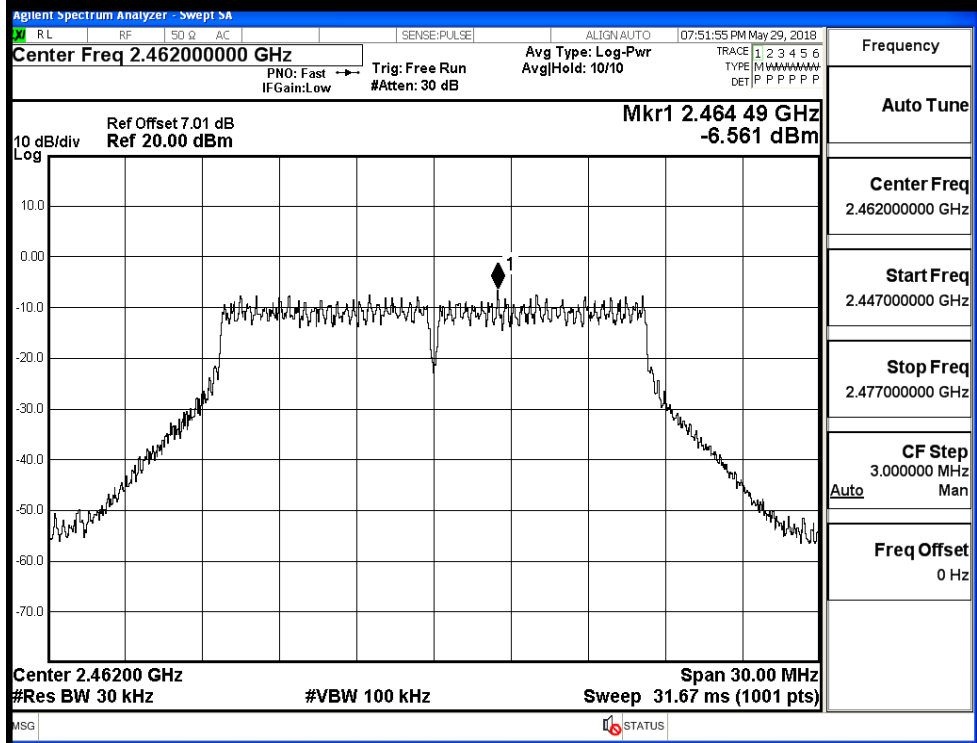
11G/LCH



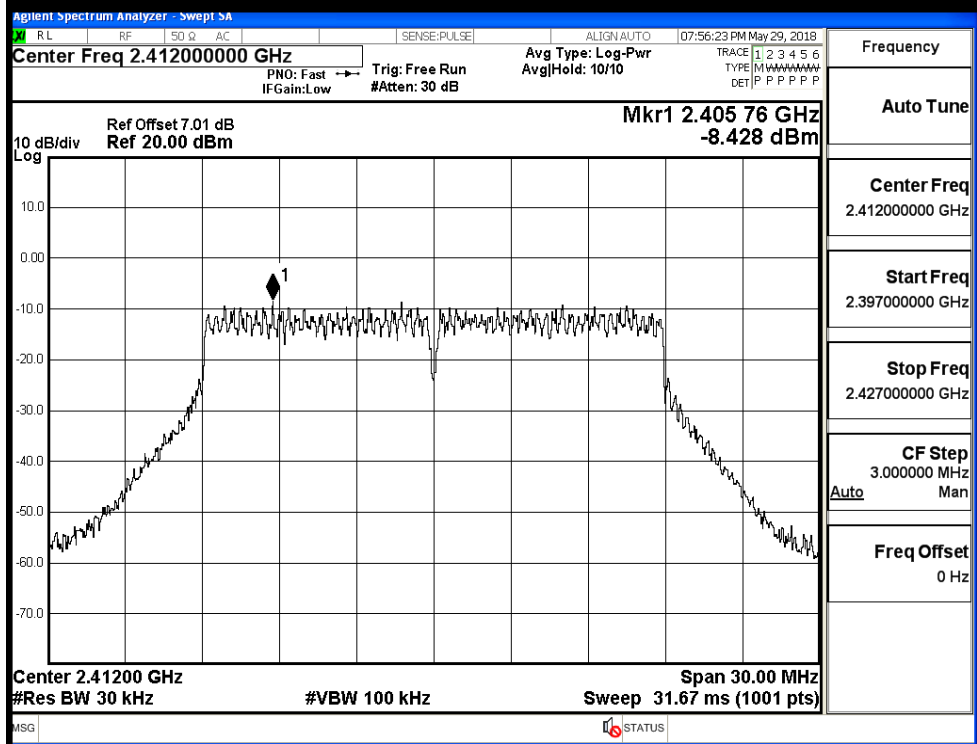
11G/MCH

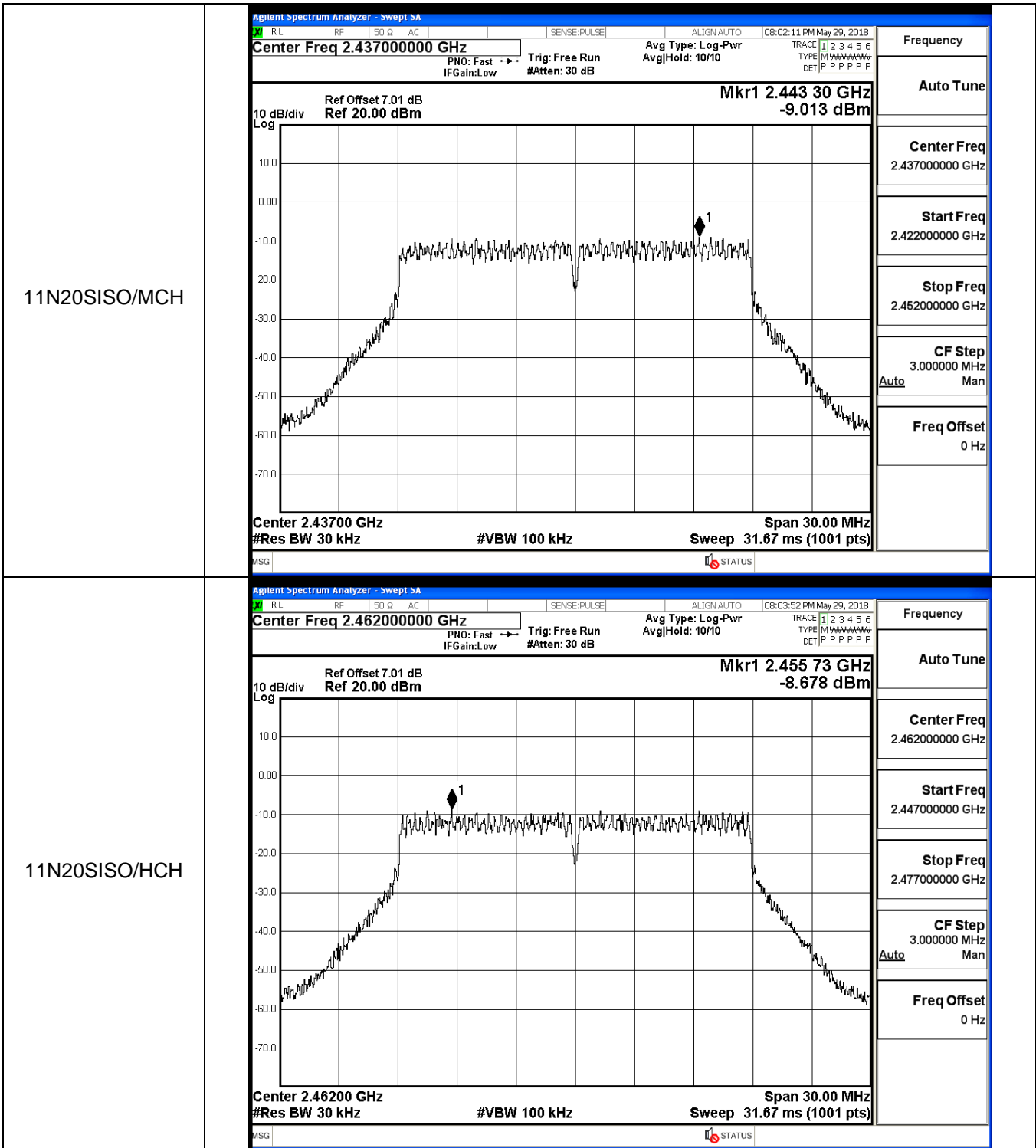


11G/HCH

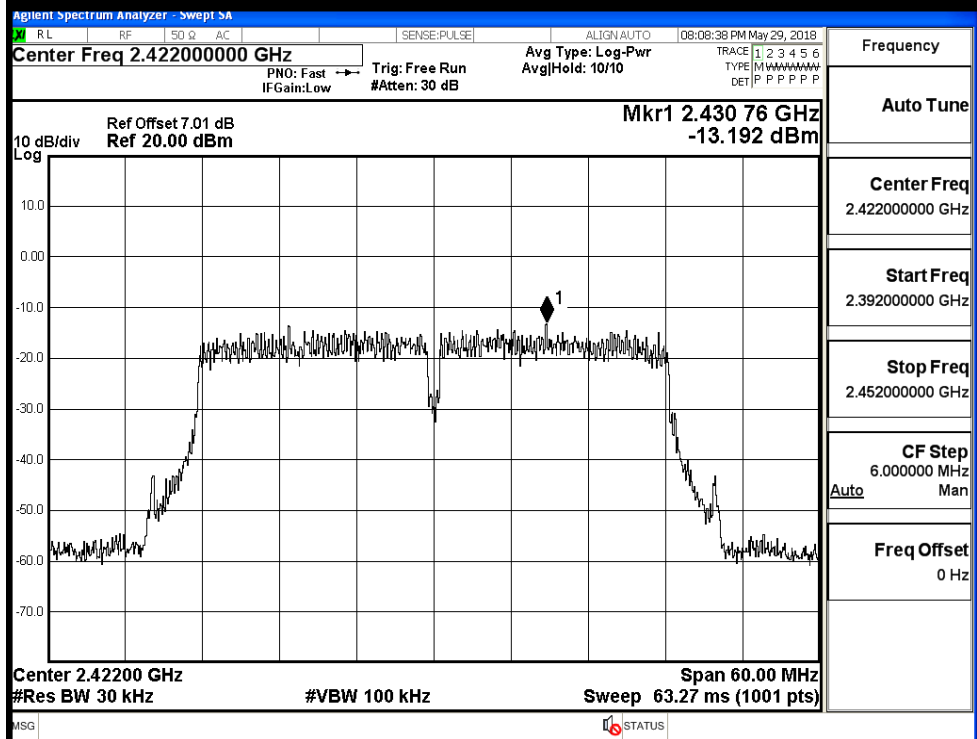


11N20SISO/LCH

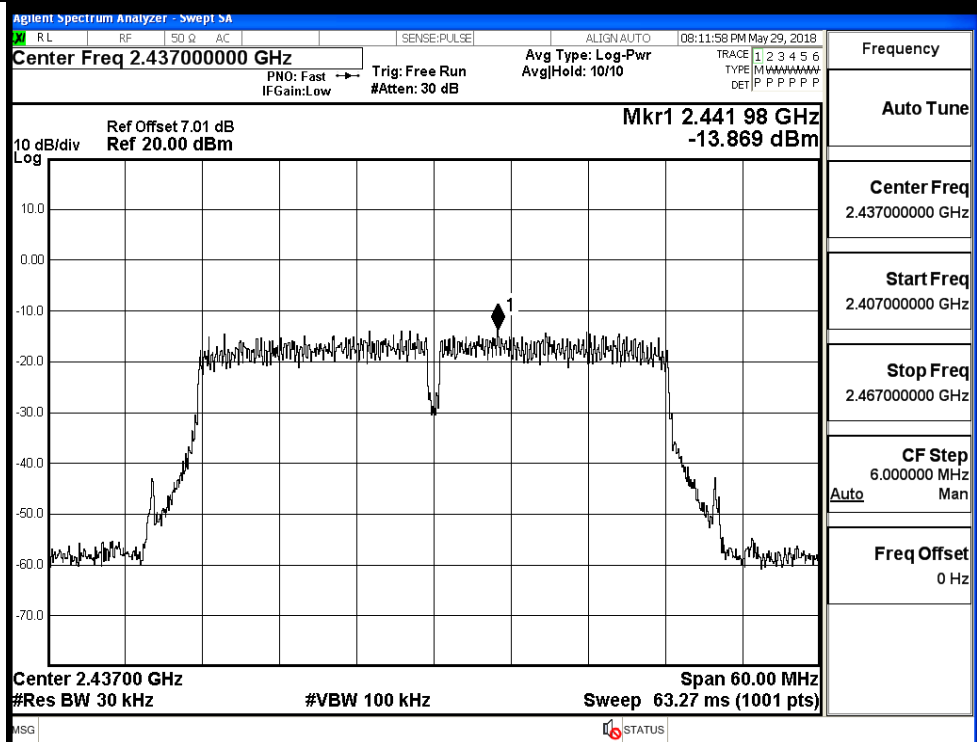




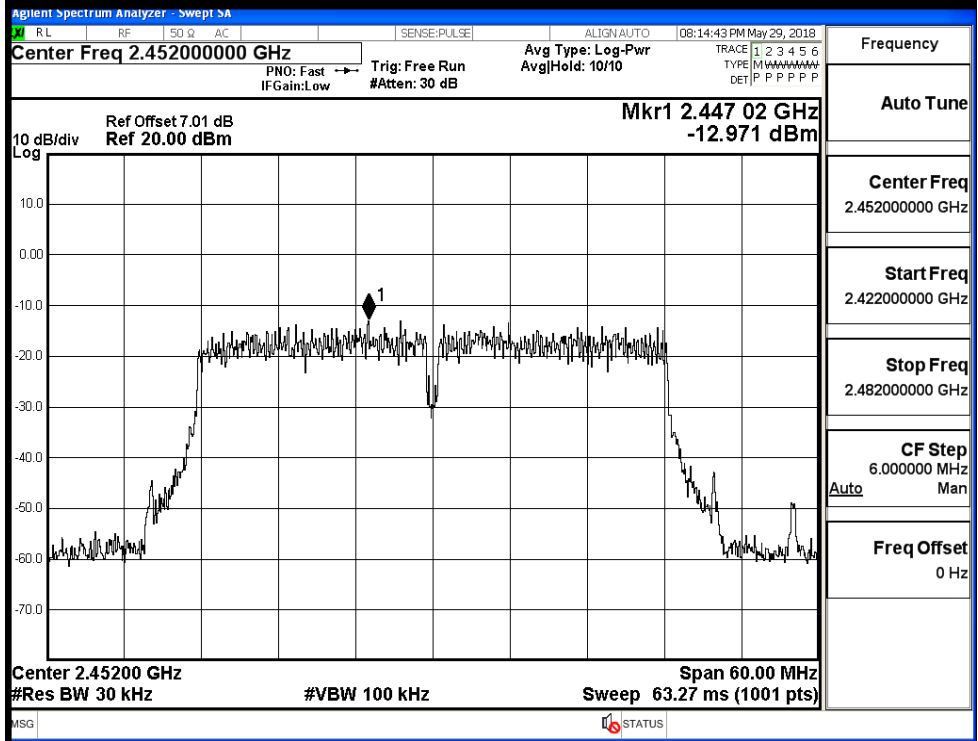
11N40SISO/LCH



11N40SISO/MCH

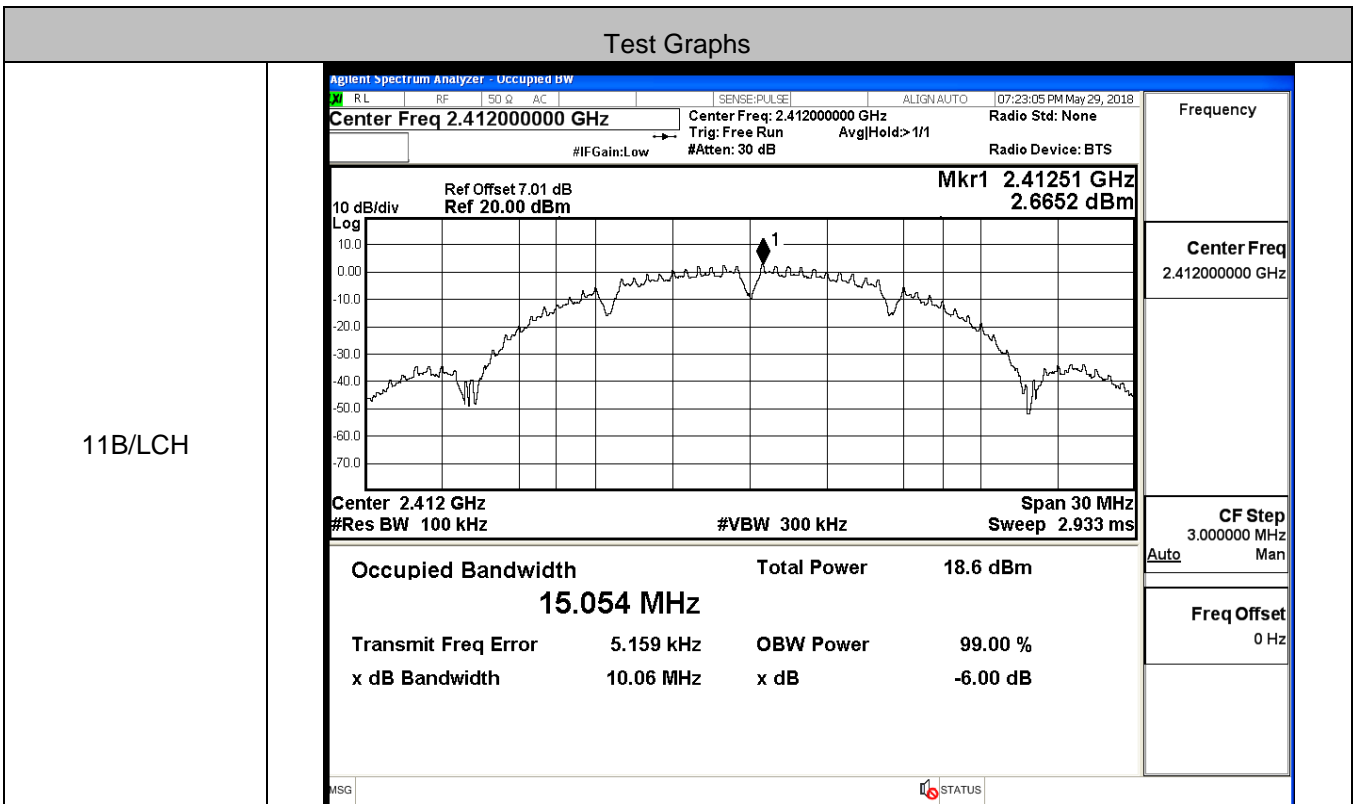


11N40SISO/HCH

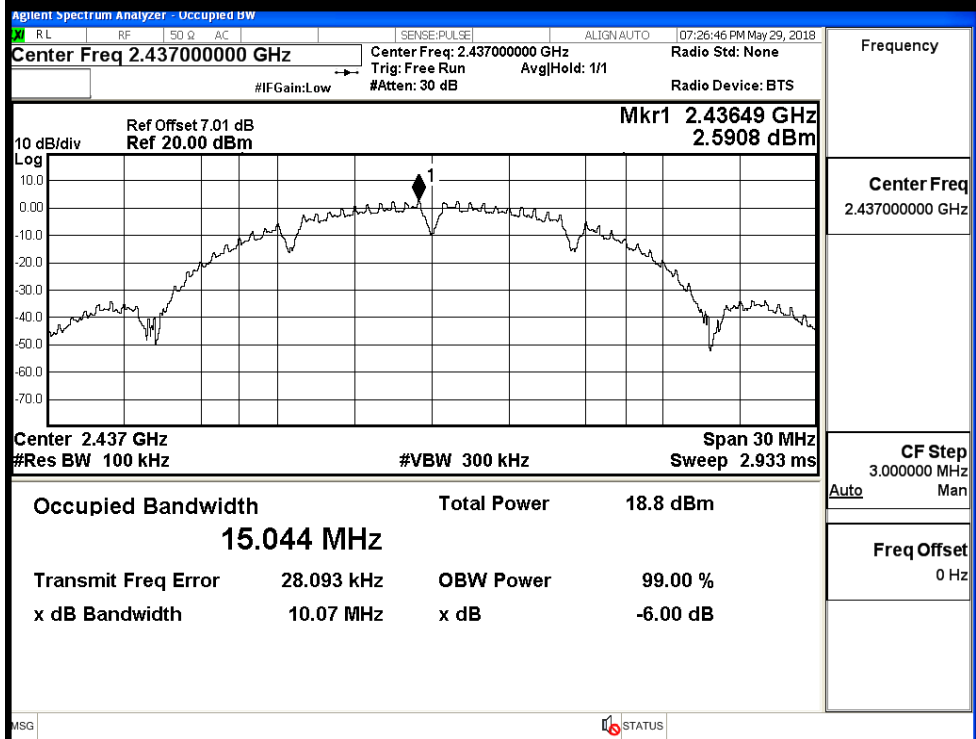


C.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.06	≥0.5	PASS
	MCH	10.07	≥0.5	PASS
	HCH	10.09	≥0.5	PASS
11G	LCH	16.37	≥0.5	PASS
	MCH	16.36	≥0.5	PASS
	HCH	16.39	≥0.5	PASS
11N20SISO	LCH	17.57	≥0.5	PASS
	MCH	17.56	≥0.5	PASS
	HCH	17.60	≥0.5	PASS
11N40SISO	LCH	35.51	≥0.5	PASS
	MCH	35.47	≥0.5	PASS
	HCH	35.26	≥0.5	PASS

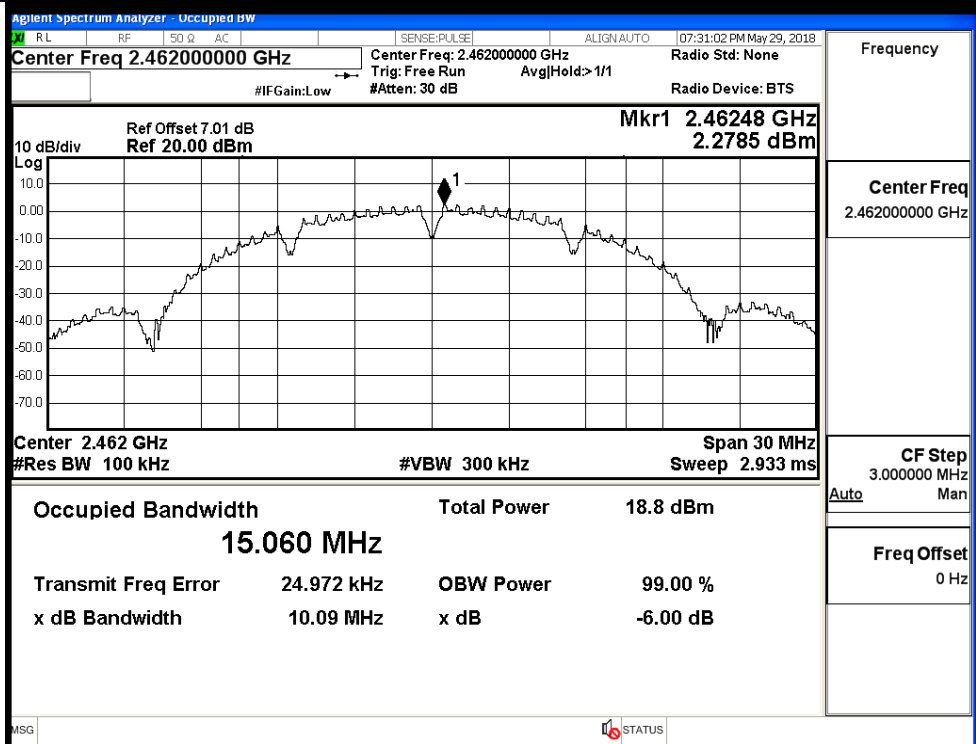


11B/MCH



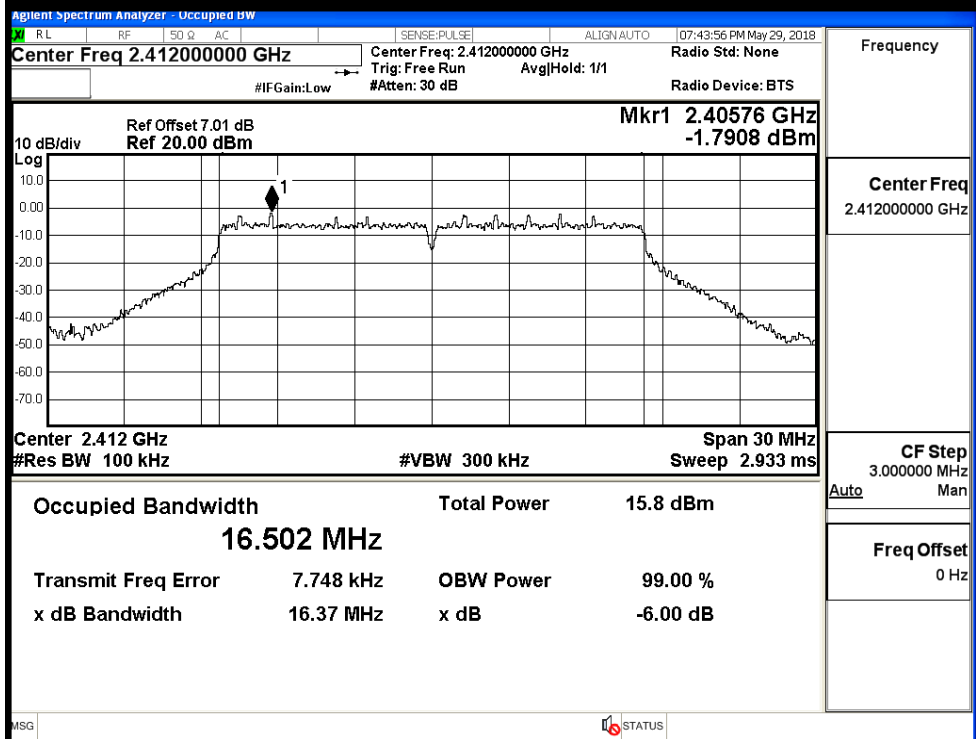
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Center Freq	2.43700000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11B/HCH



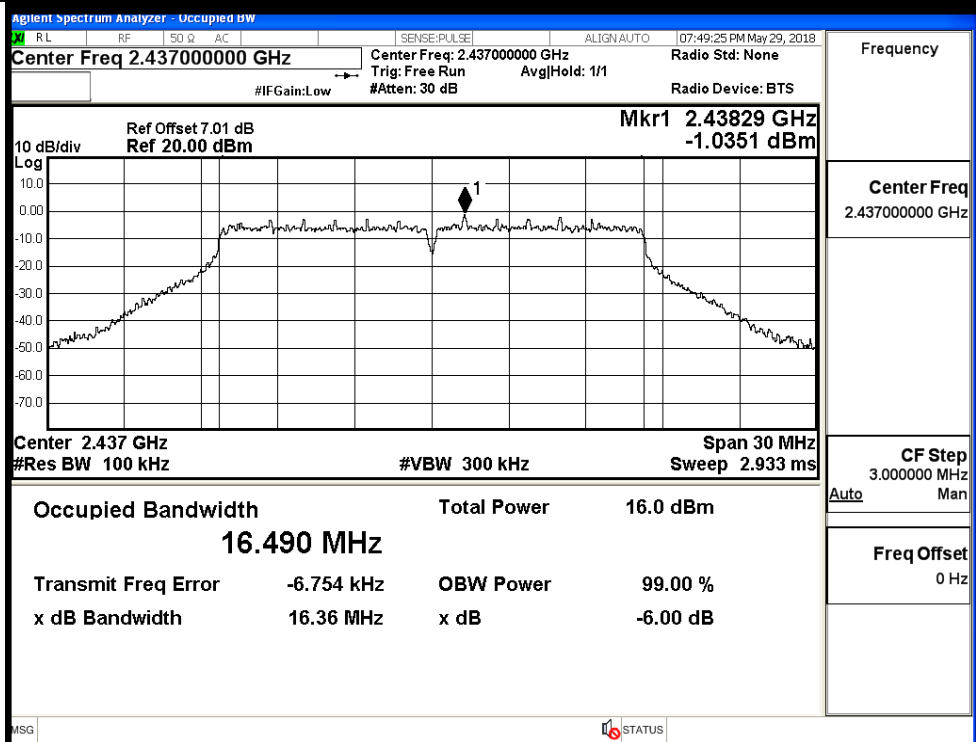
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Center Freq	2.46200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11G/LCH



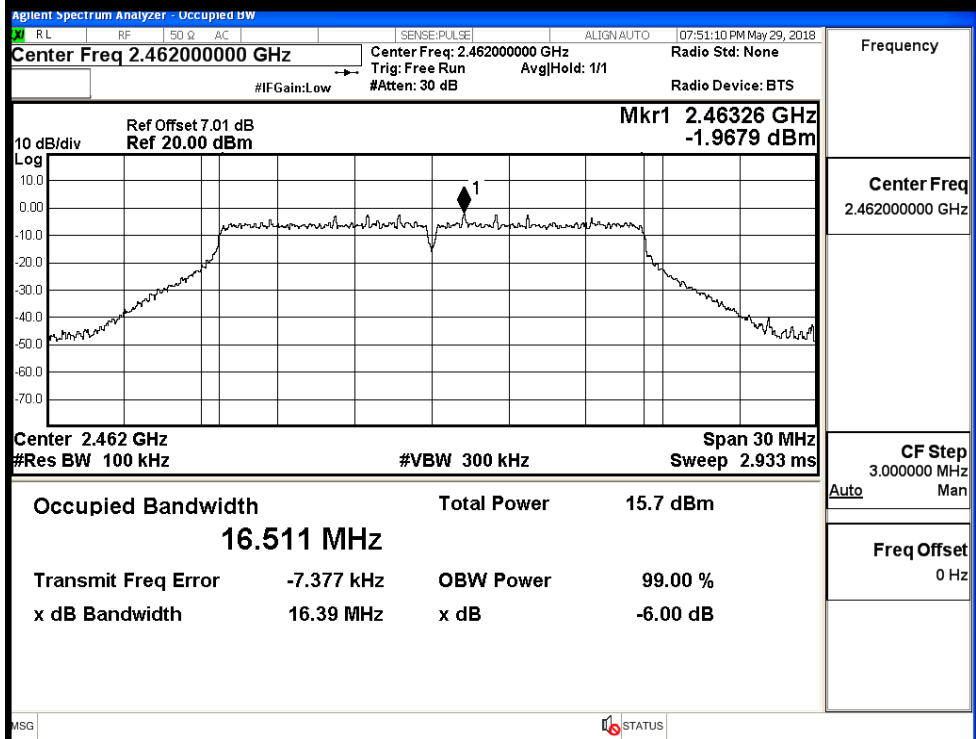
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CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11G/MCH



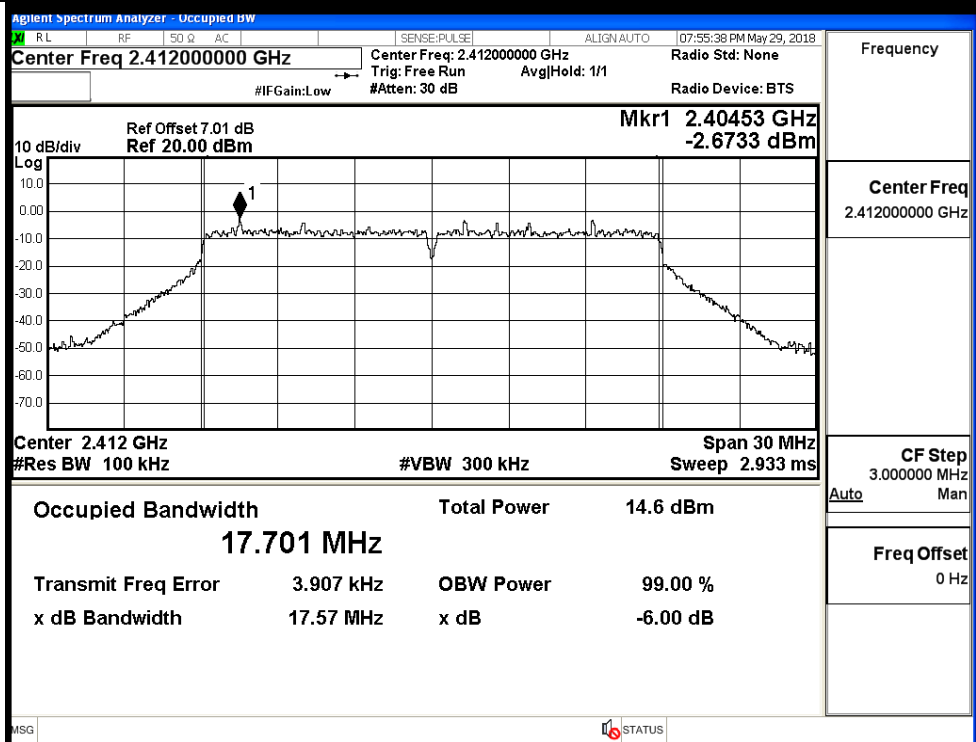
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Center Freq	2.43700000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

11G/HCH



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

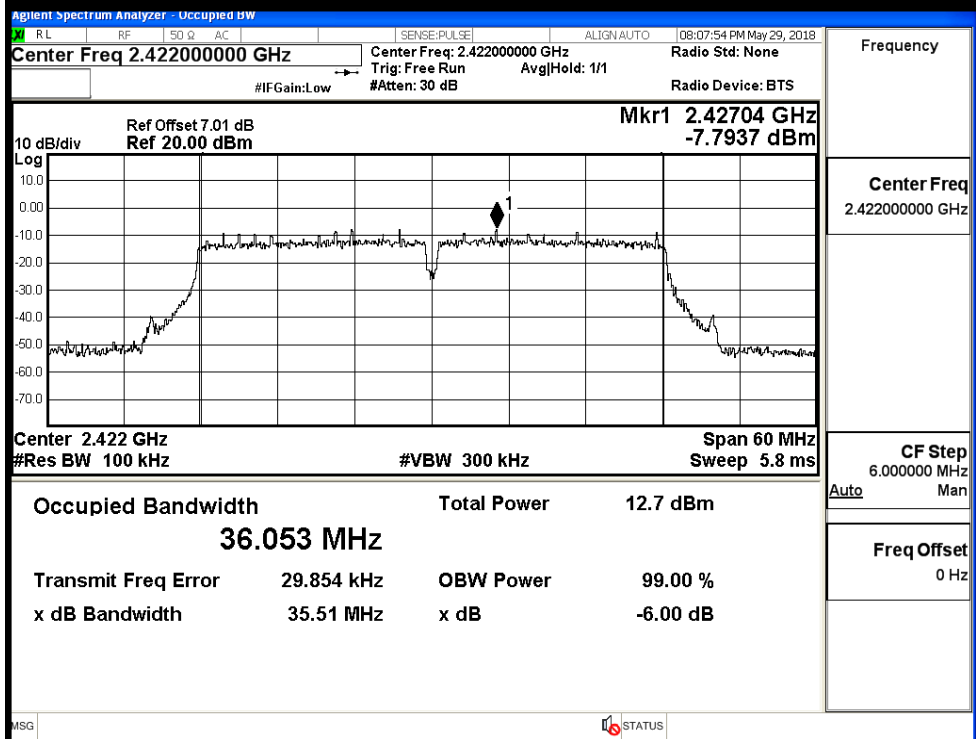
11N20SISO/LCH



Frequency	2.41200000 GHz
Center Freq	2.41200000 GHz
CF Step	3.000000 MHz
Auto	Man
Freq Offset	0 Hz

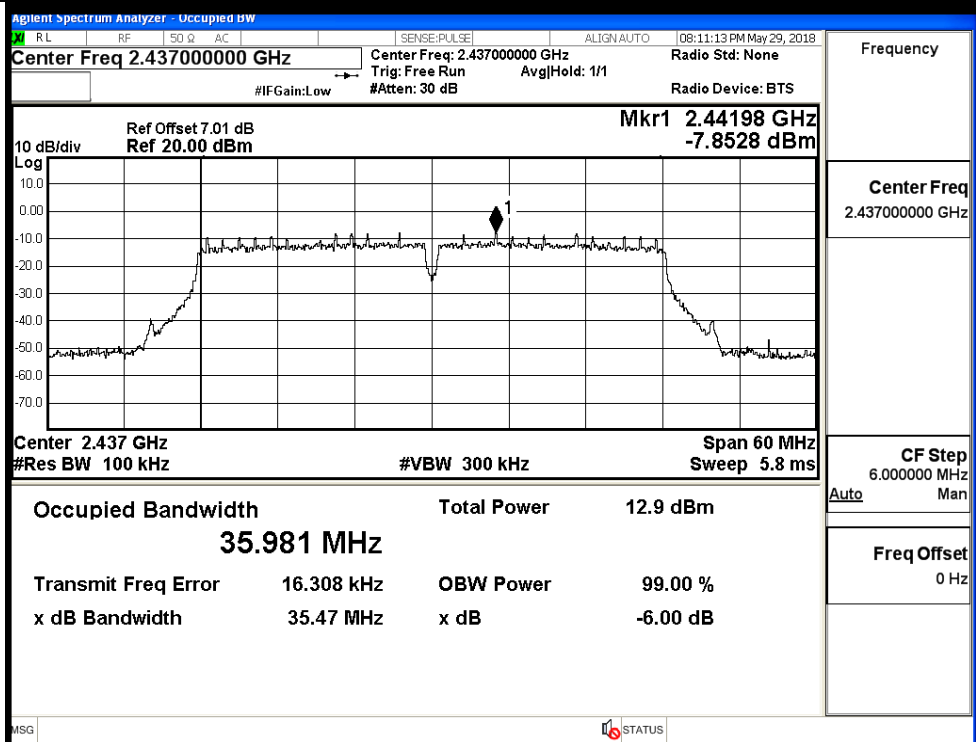
<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Center Freq: 2.43700000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr1 2.44198 GHz -2.4619 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.694 MHz</p> <p>Total Power 14.9 dBm</p> <p>Transmit Freq Error 6.590 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.56 MHz</p> <p>x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.46200000 GHz</p> <p>Center Freq: 2.46200000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr1 2.4695 GHz -3.1161 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.673 MHz</p> <p>Total Power 14.8 dBm</p> <p>Transmit Freq Error 24.497 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.60 MHz</p> <p>x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.46200000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>

11N40SISO/LCH



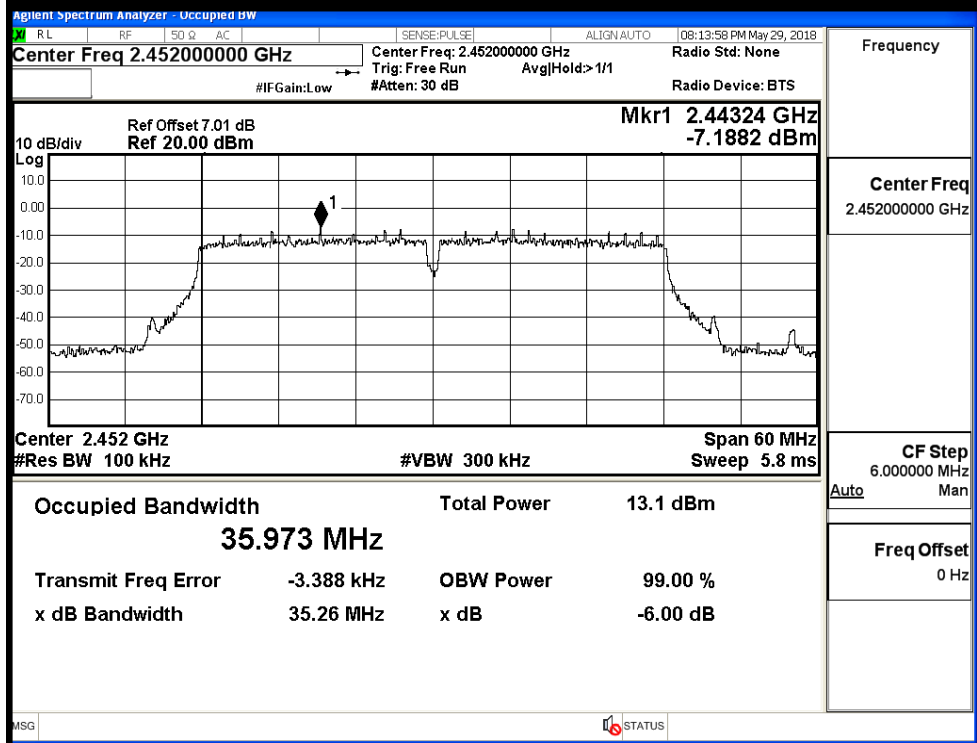
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CF Step	6.000000 MHz
Freq Offset	0 Hz

11N40SISO/MCH



Frequency	2.43700000 GHz
CF Step	6.000000 MHz
Freq Offset	0 Hz

11N40SISO/HCH



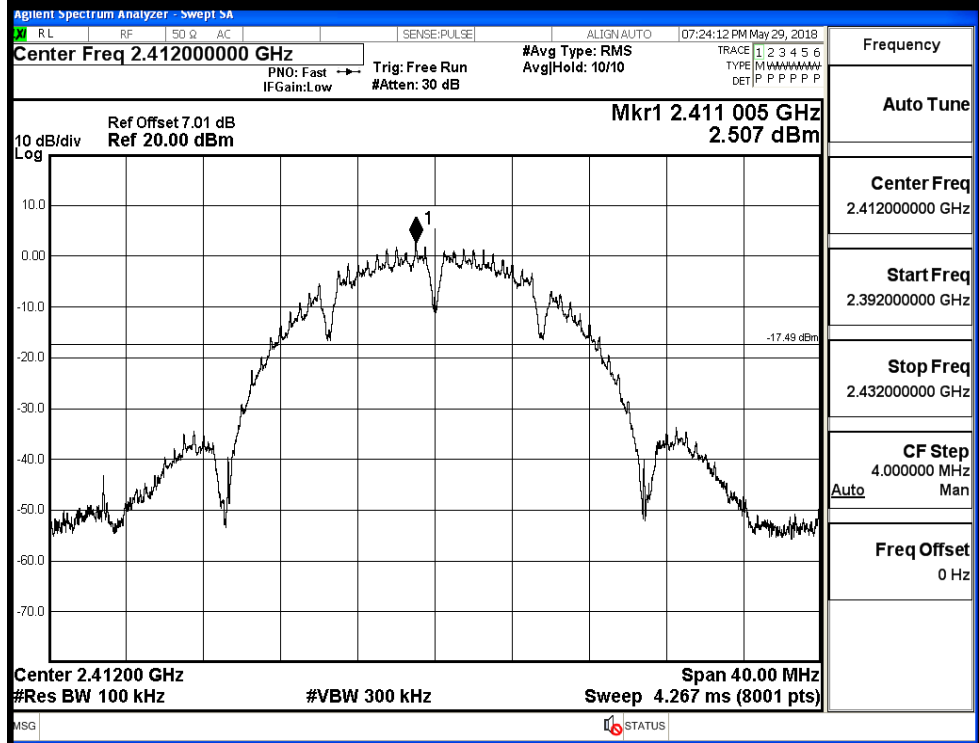
C.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdic
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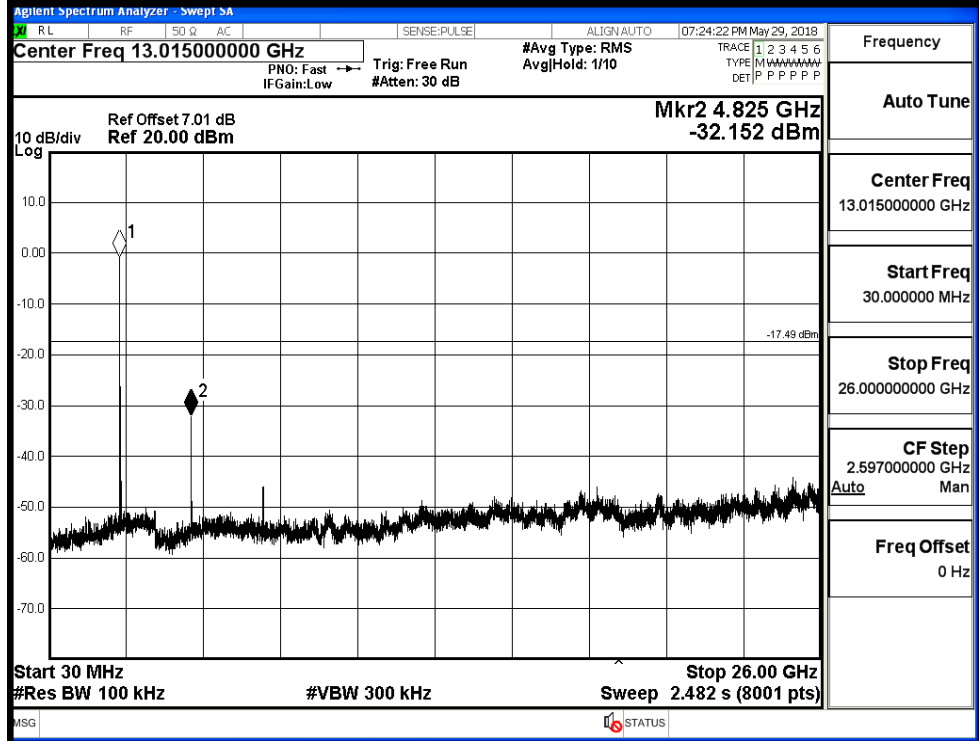
					t
11B	LCH	2.507	-32.152	-17.493	PASS
	MCH	4.835	-28.891	-15.165	PASS
	HCH	2.436	-33.293	-17.564	PASS
11G	LCH	-1.705	-43.287	-21.705	PASS
	MCH	-2.4	-45.445	-22.400	PASS
	HCH	-2.214	-44.551	-22.214	PASS
11N20 SISO	LCH	-3.344	-44.961	-23.344	PASS
	MCH	-3.079	-44.379	-23.079	PASS
	HCH	-3.126	-44.058	-23.126	PASS
11N40 SISO	LCH	-8.051	-43.971	-28.051	PASS
	MCH	-7.669	-43.062	-27.669	PASS
	HCH	-7.455	-44.353	-27.455	PASS

11B_LCH_Graphs

Pref/11B/LCH

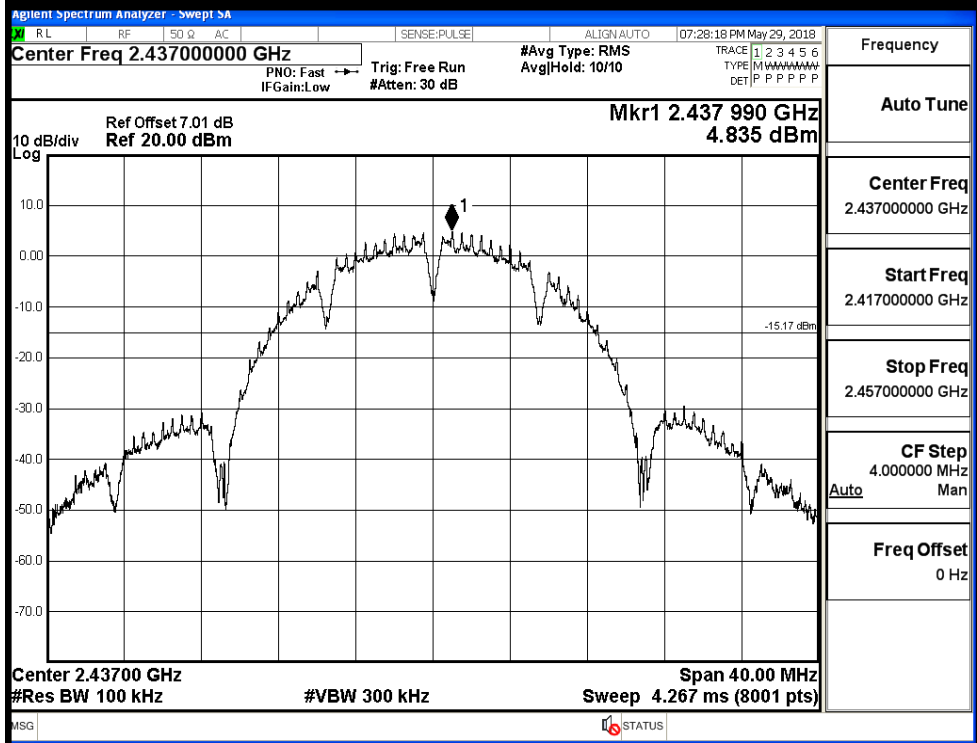


Puw/11B/LCH

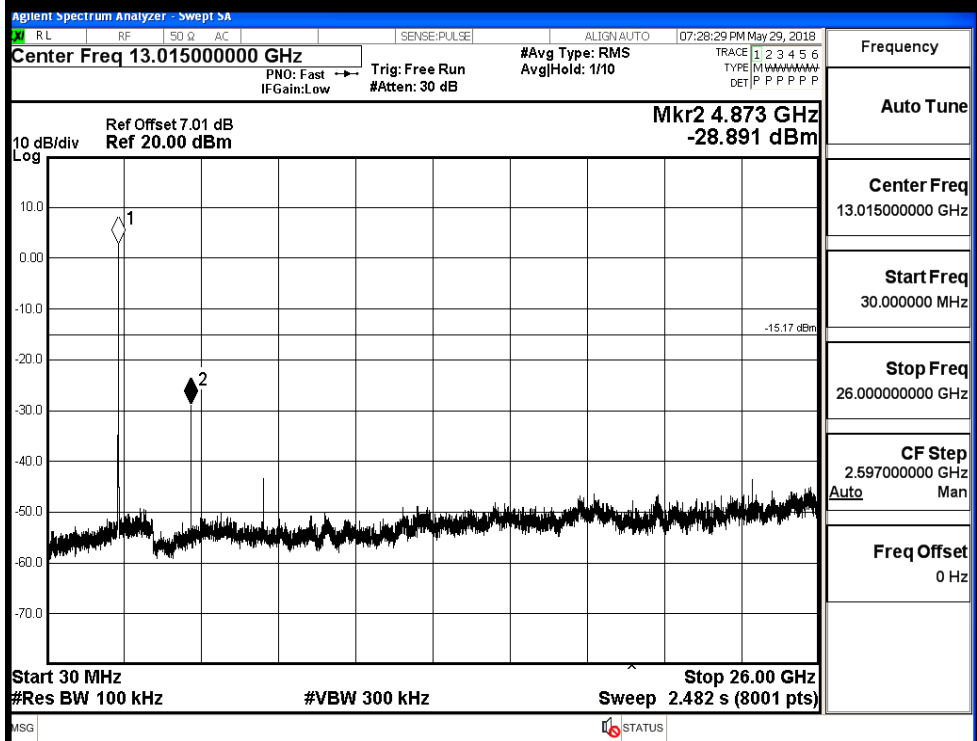


11B_MCH_Graphs

Pref/11B/MCH

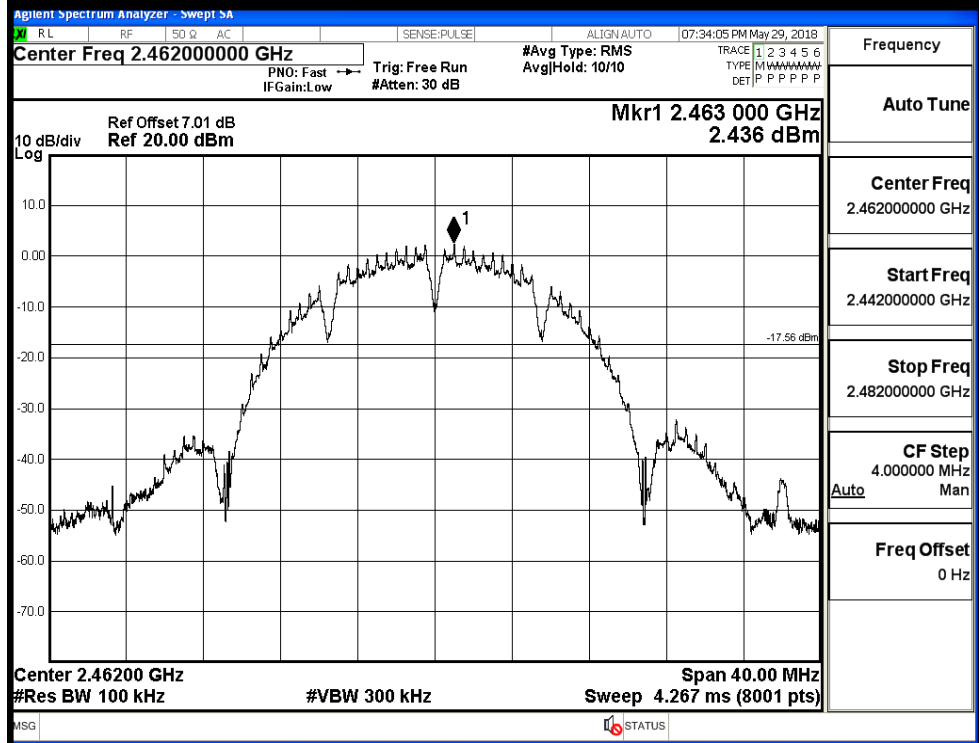


Puw/11B/MCH

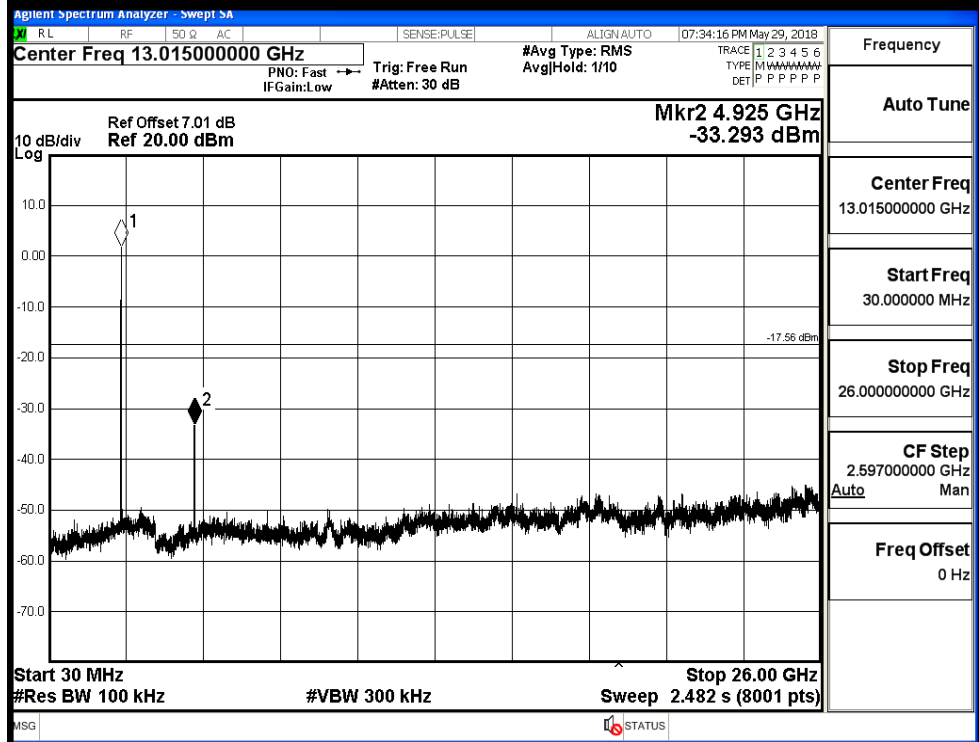


11B_HCH_Graphs

Pref/11B/HCH

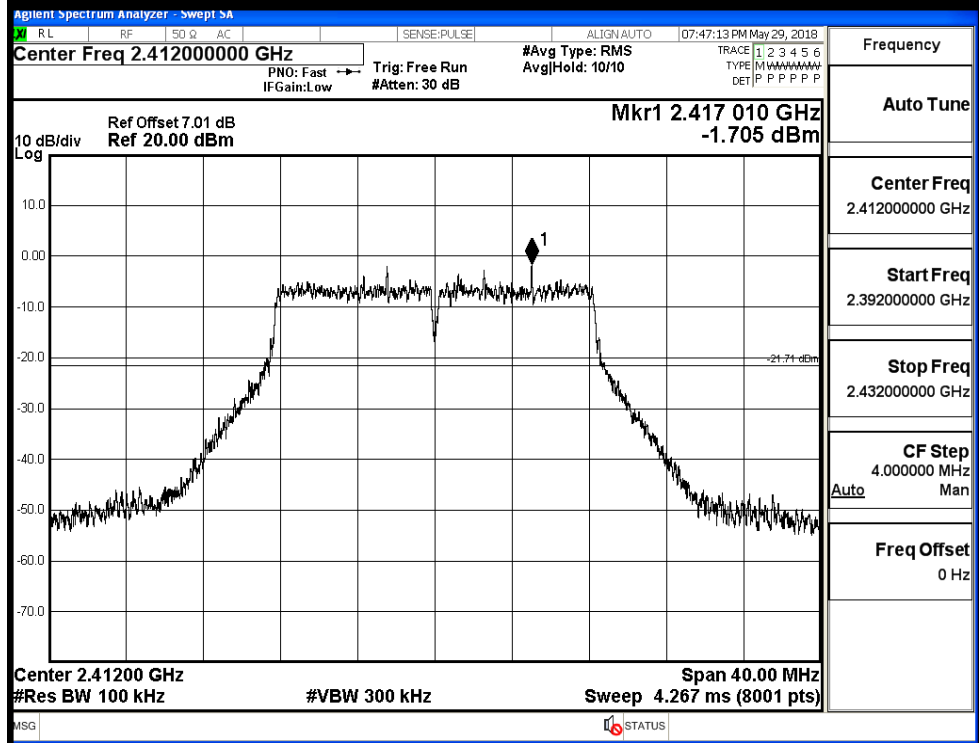


Puw/11B/HCH

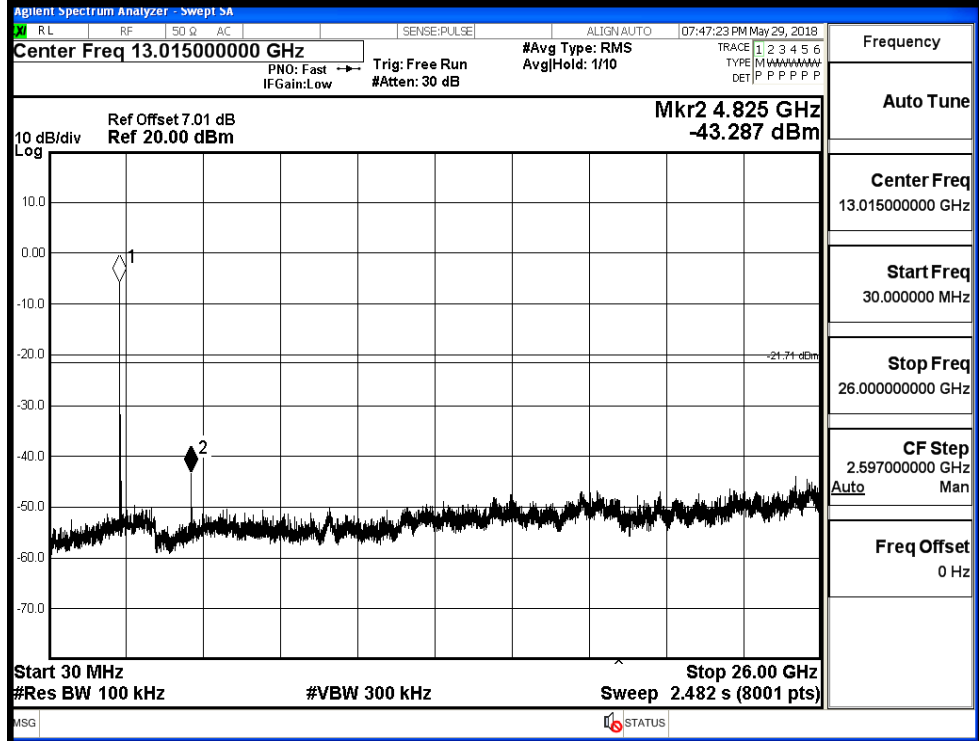


11G_LCH_Graphs

Pref/11G/LCH

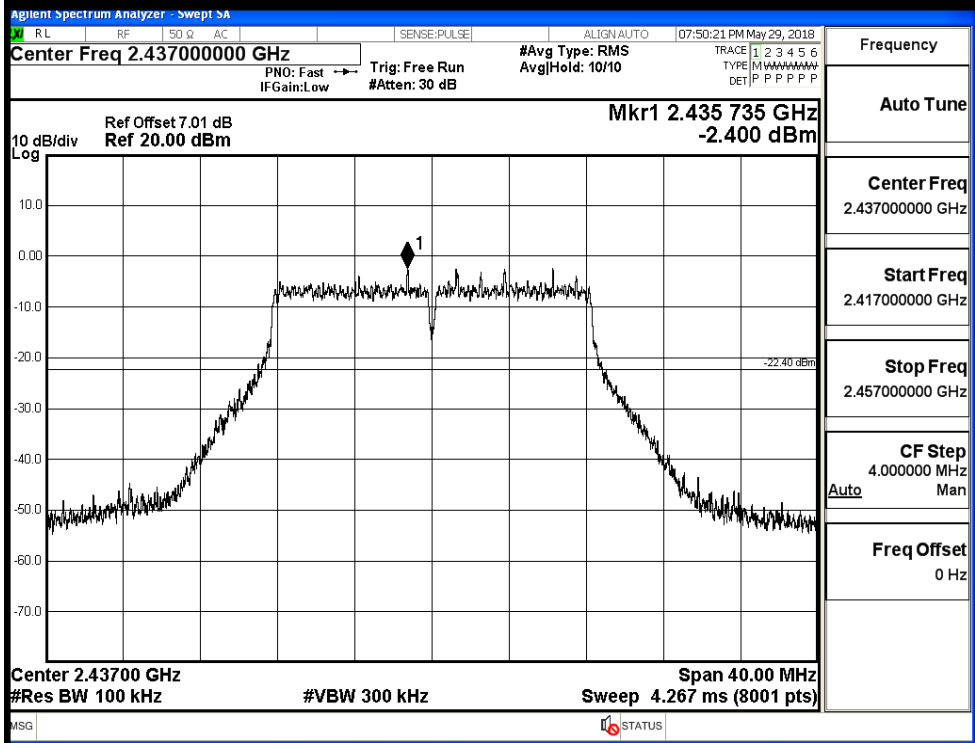


Puw/11G/LCH

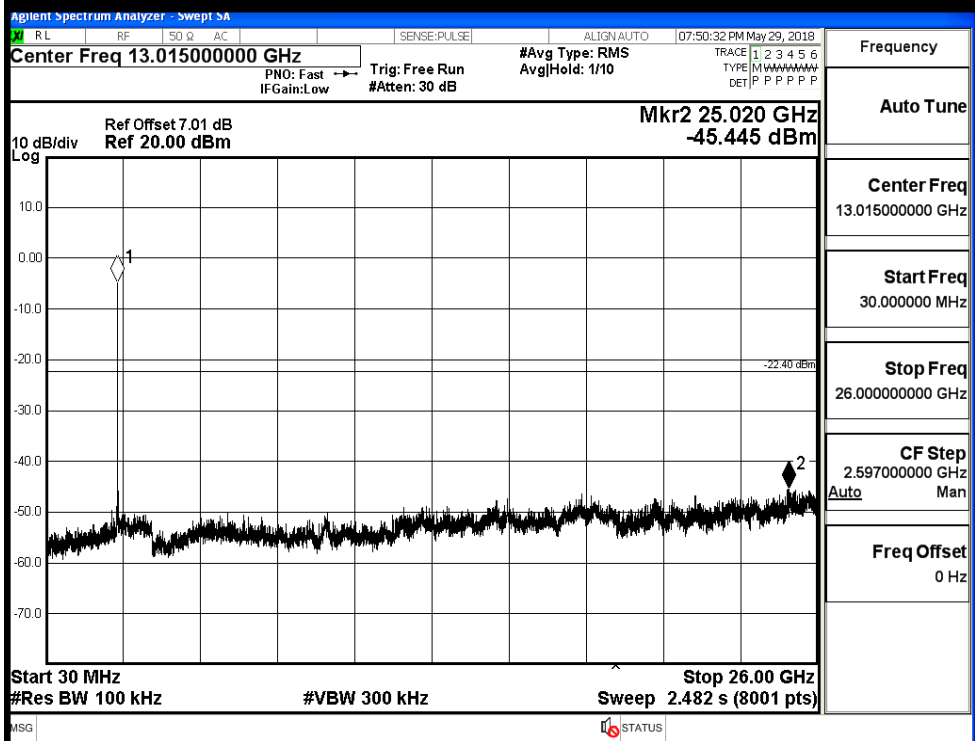


11G_MCH_Graphs

Pref/11G/MCH

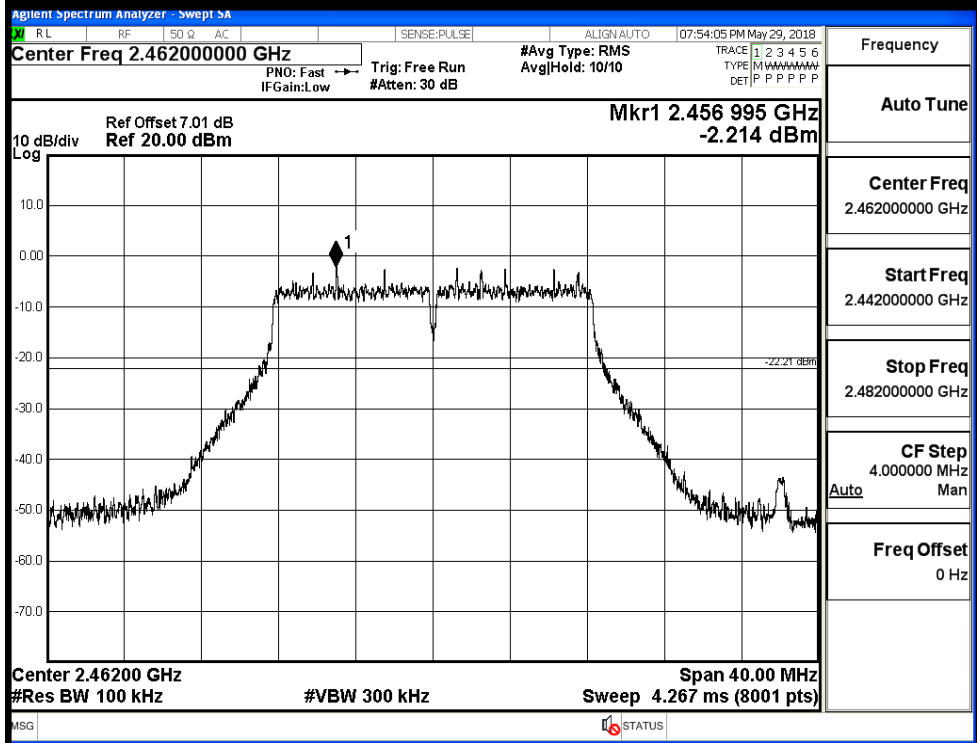


Puw/11G/MCH

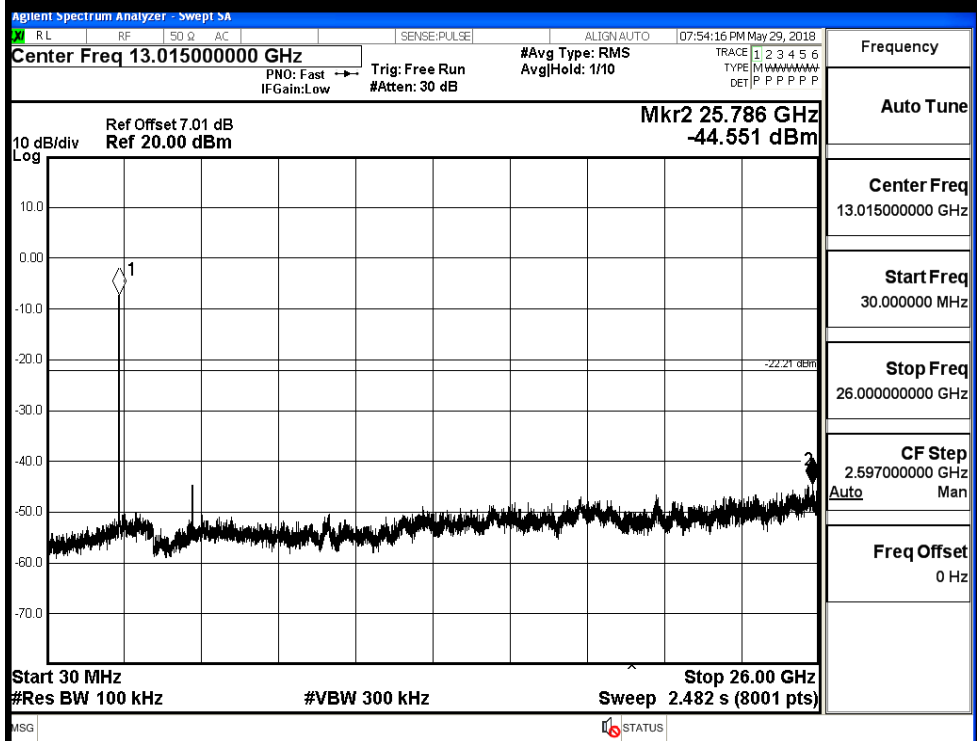


11G_HCH_Graphs

Pref/11G/HCH

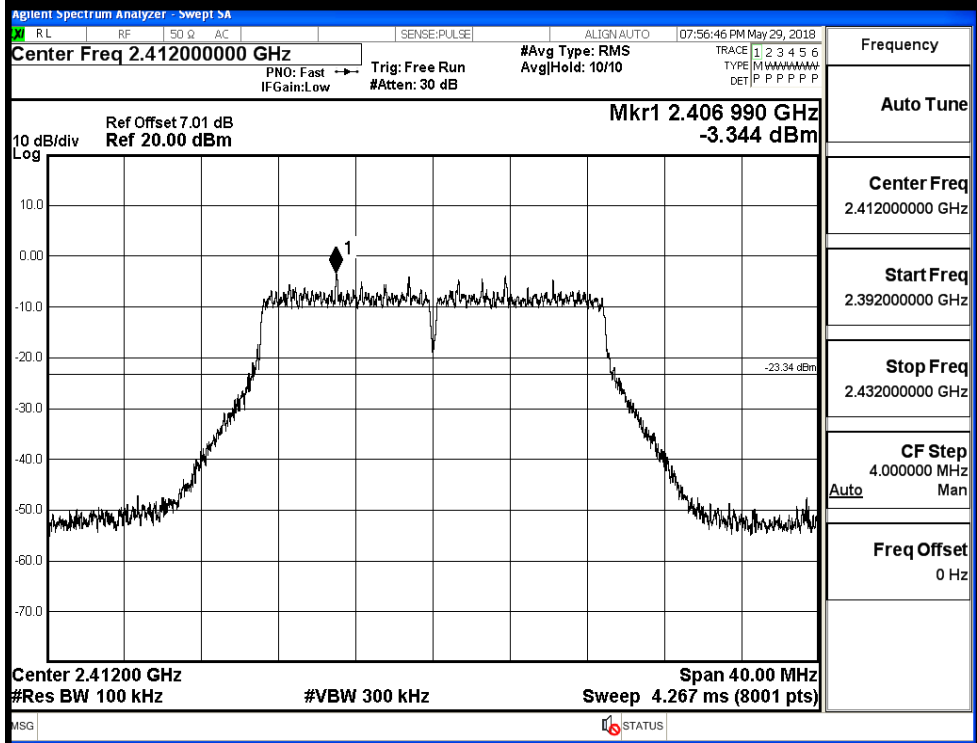


Puw/11G/HCH

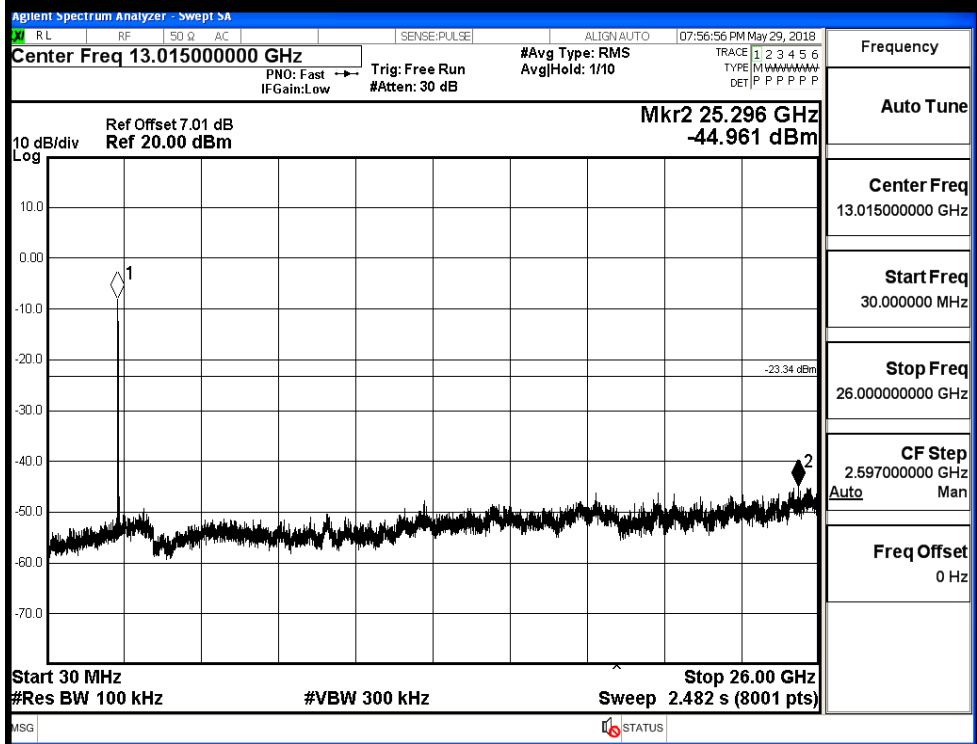


11N20SISO_LCH_Graphs

Pref/11N20SIS
O/LCH

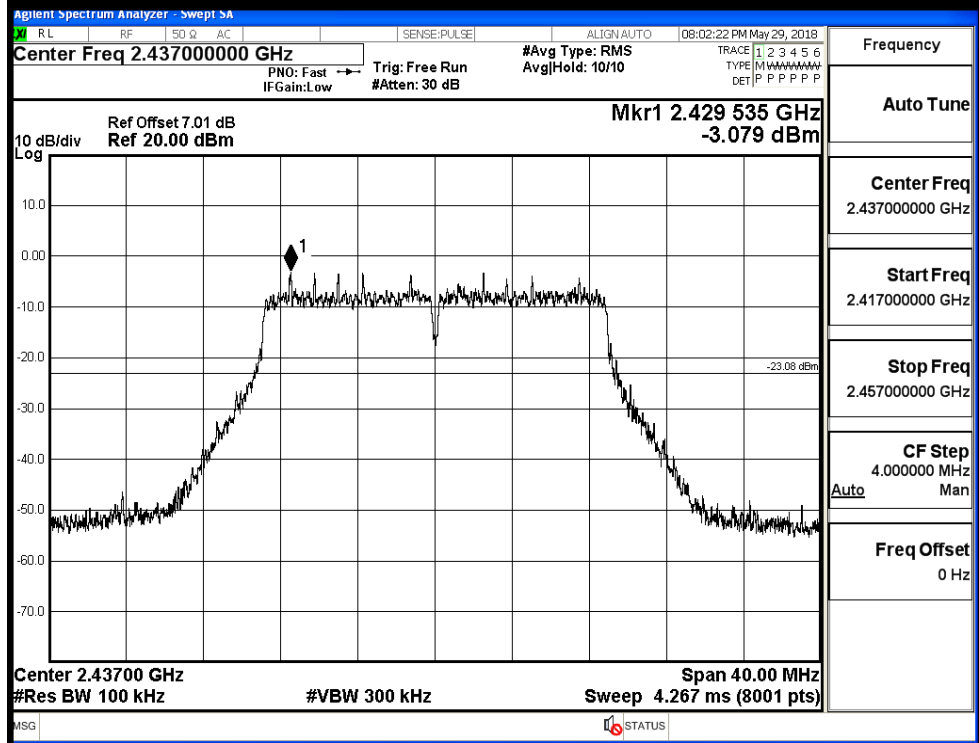


Puw/11N20
SISO/LCH

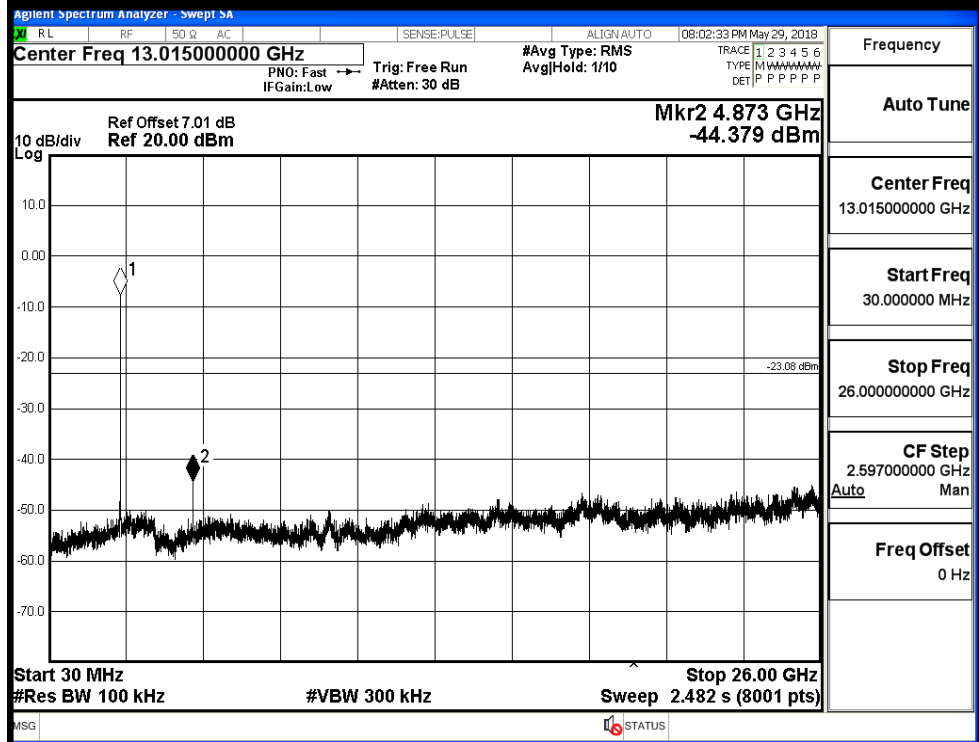


11N20SISO_MCH_Graphs

Pref/11N20
SISO/MCH

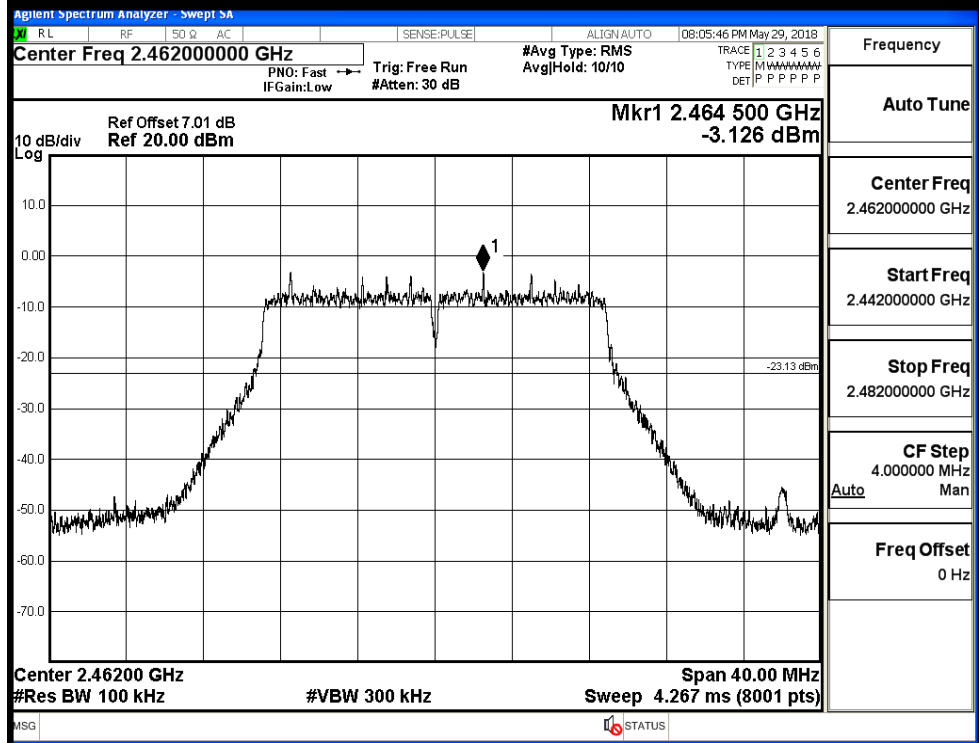


Puw/11N20
SISO/MCH

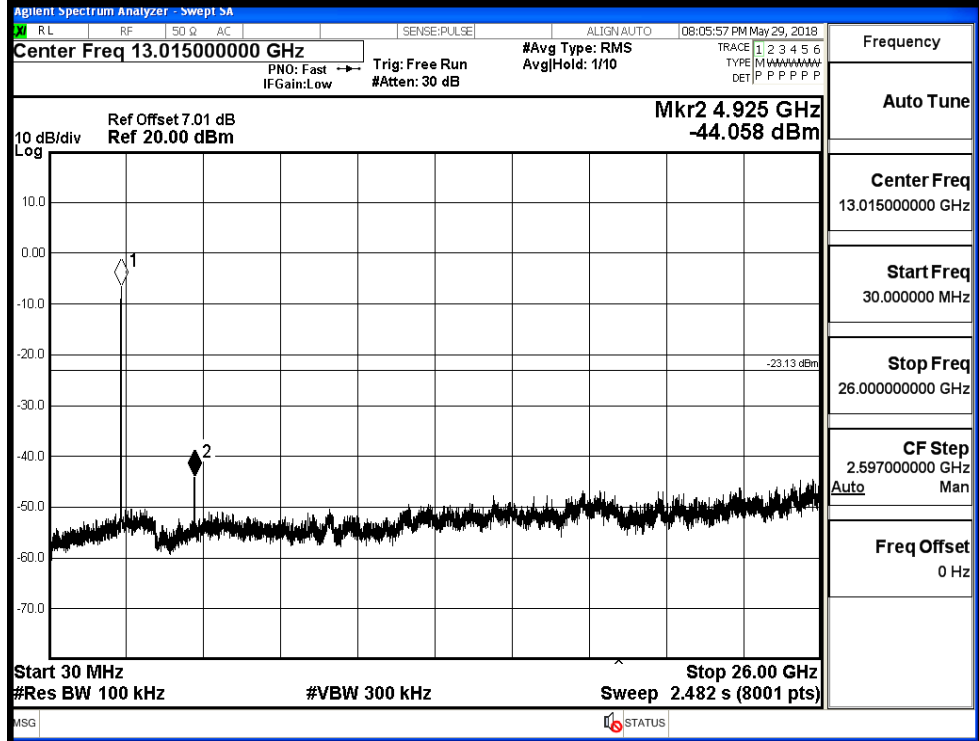


11N20SISO_HCH_Graphs

Pref/11N20
SISO/HCH

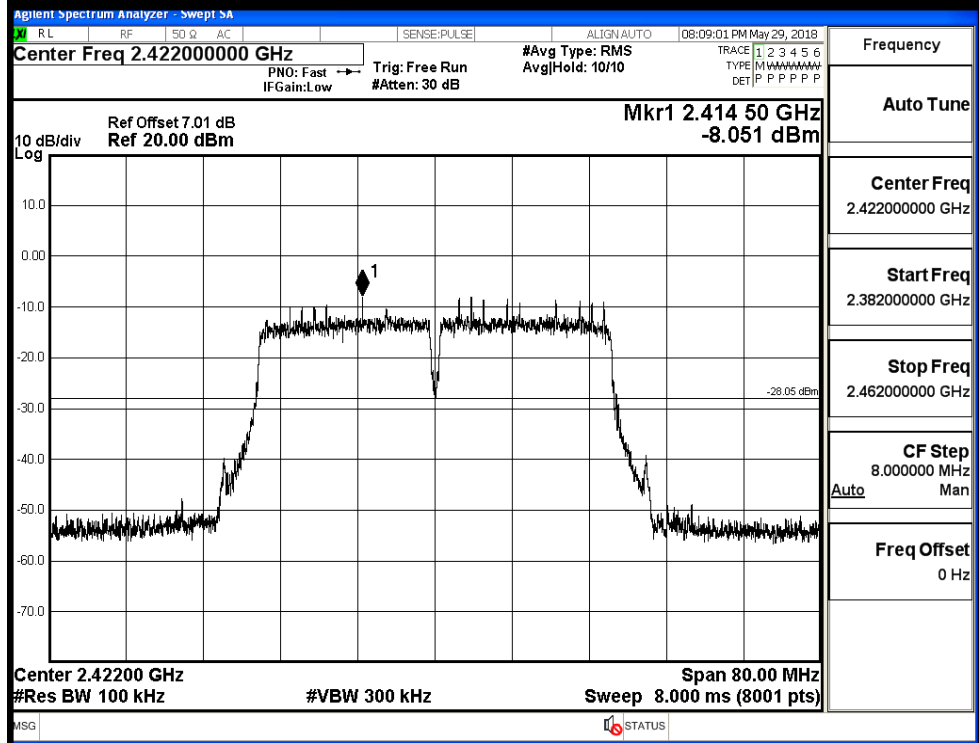


Puw/11N20
SISO/HCH

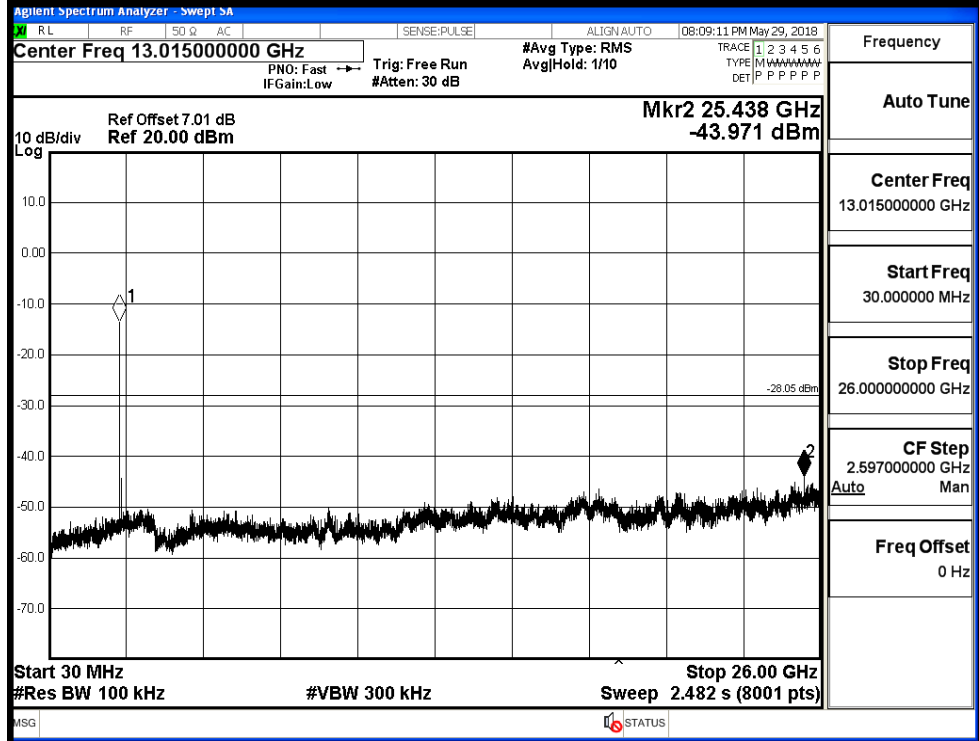


11N40SISO_LCH_Graphs

Pref/11N40
SISO/LCH

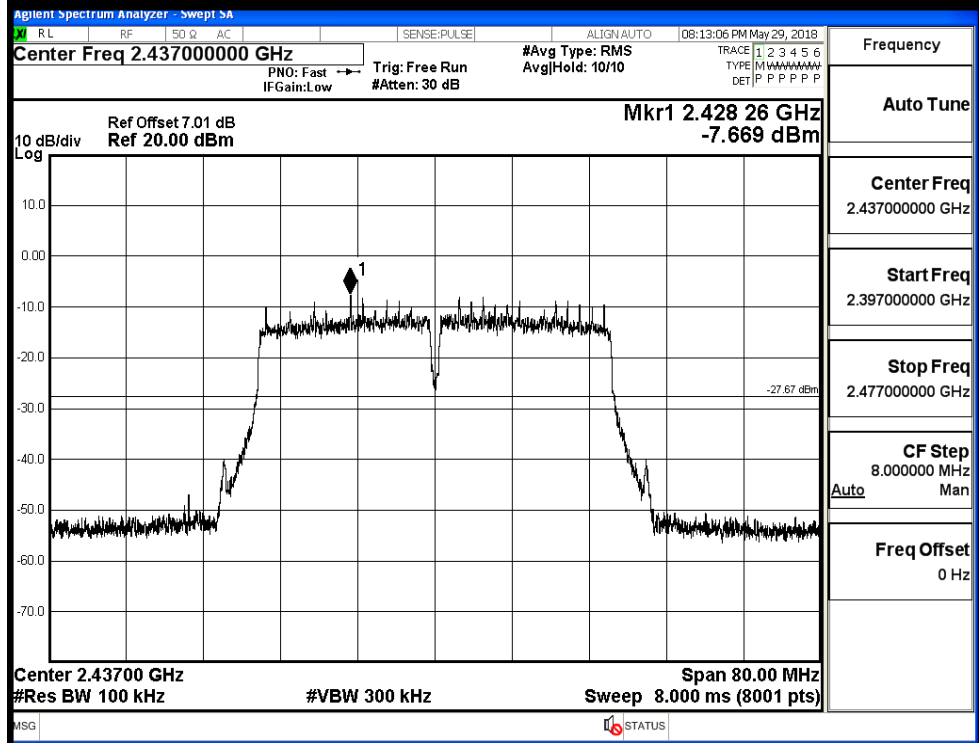


Puw/11N40
SISO/LCH

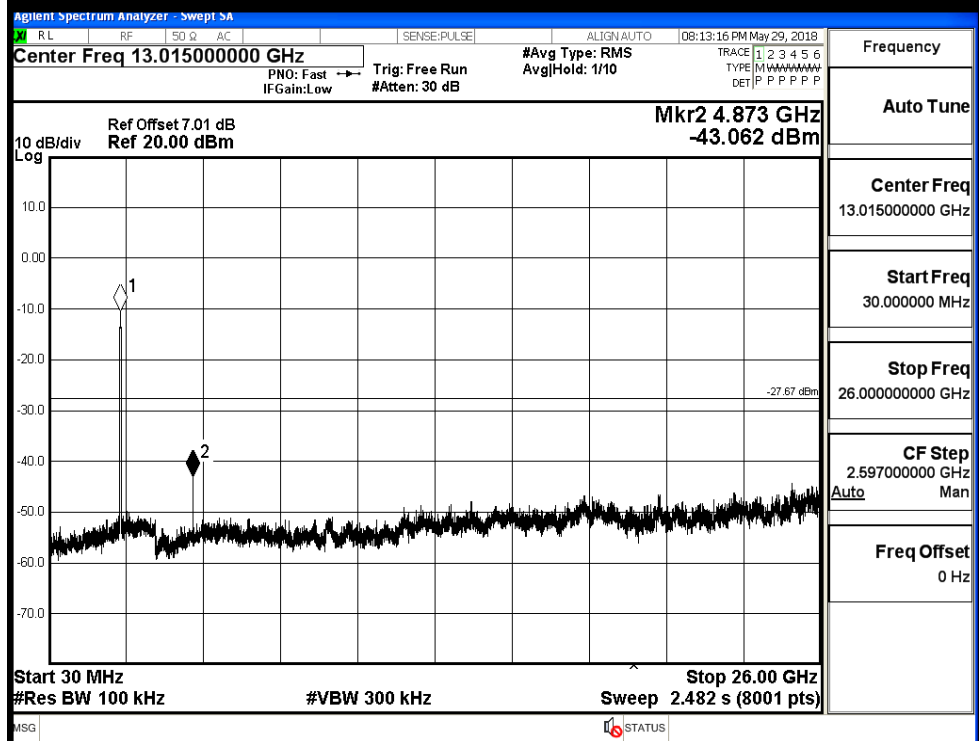


11N40SISO_MCH_Graphs

Pref/11N40
SISO/MCH

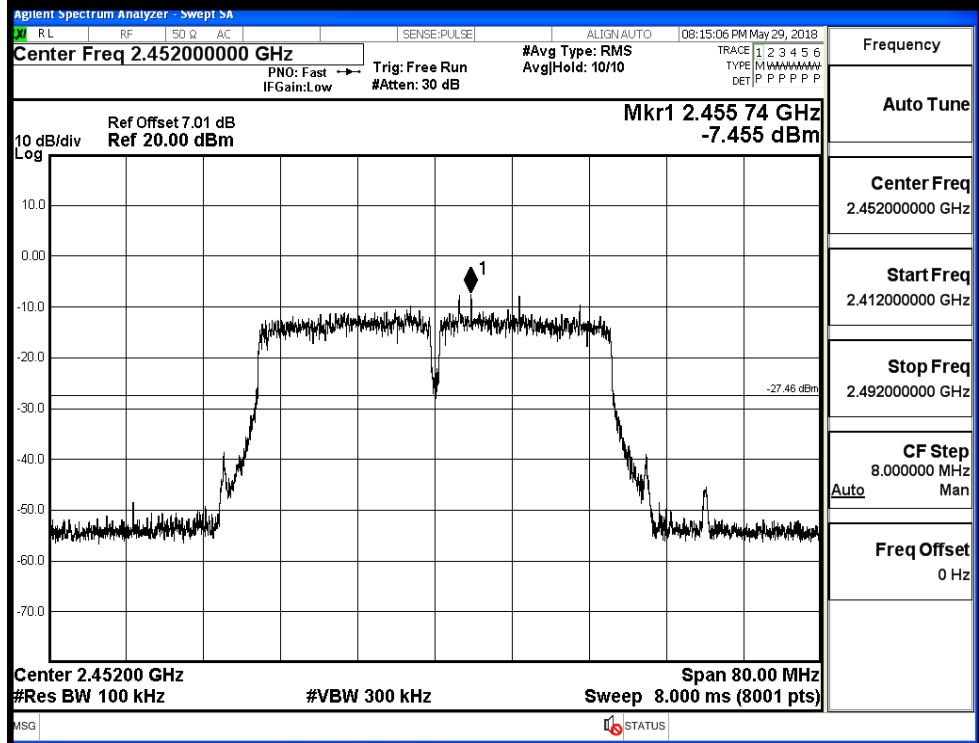


Puw/11N40
SISO/MCH

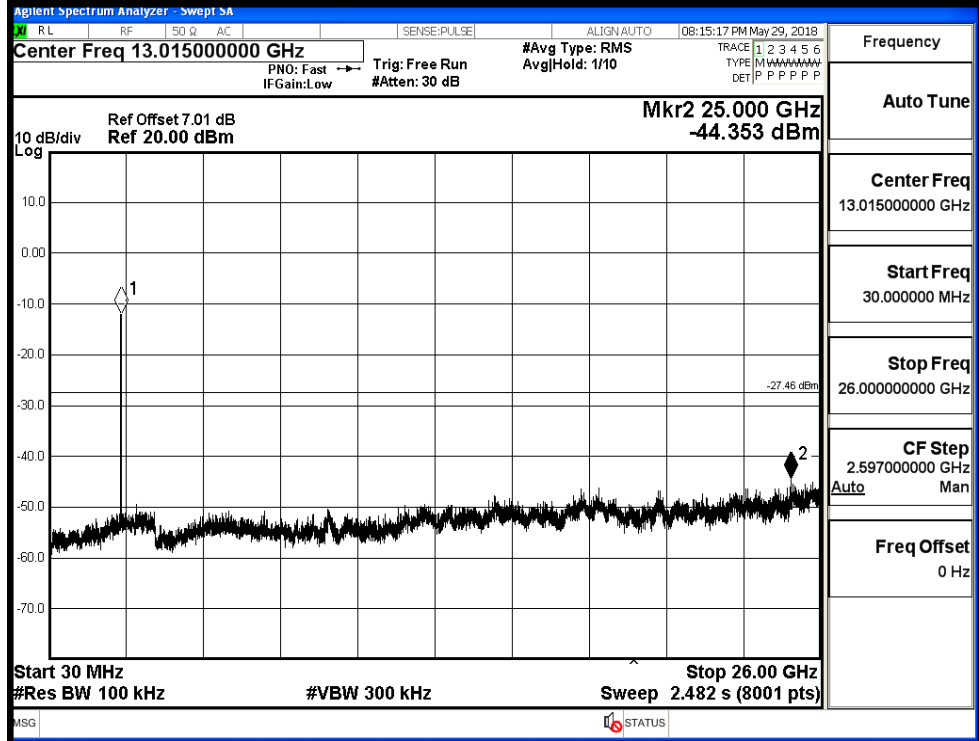


11N40SISO_HCH_Graphs

Pref/11N40
SISO/HCH

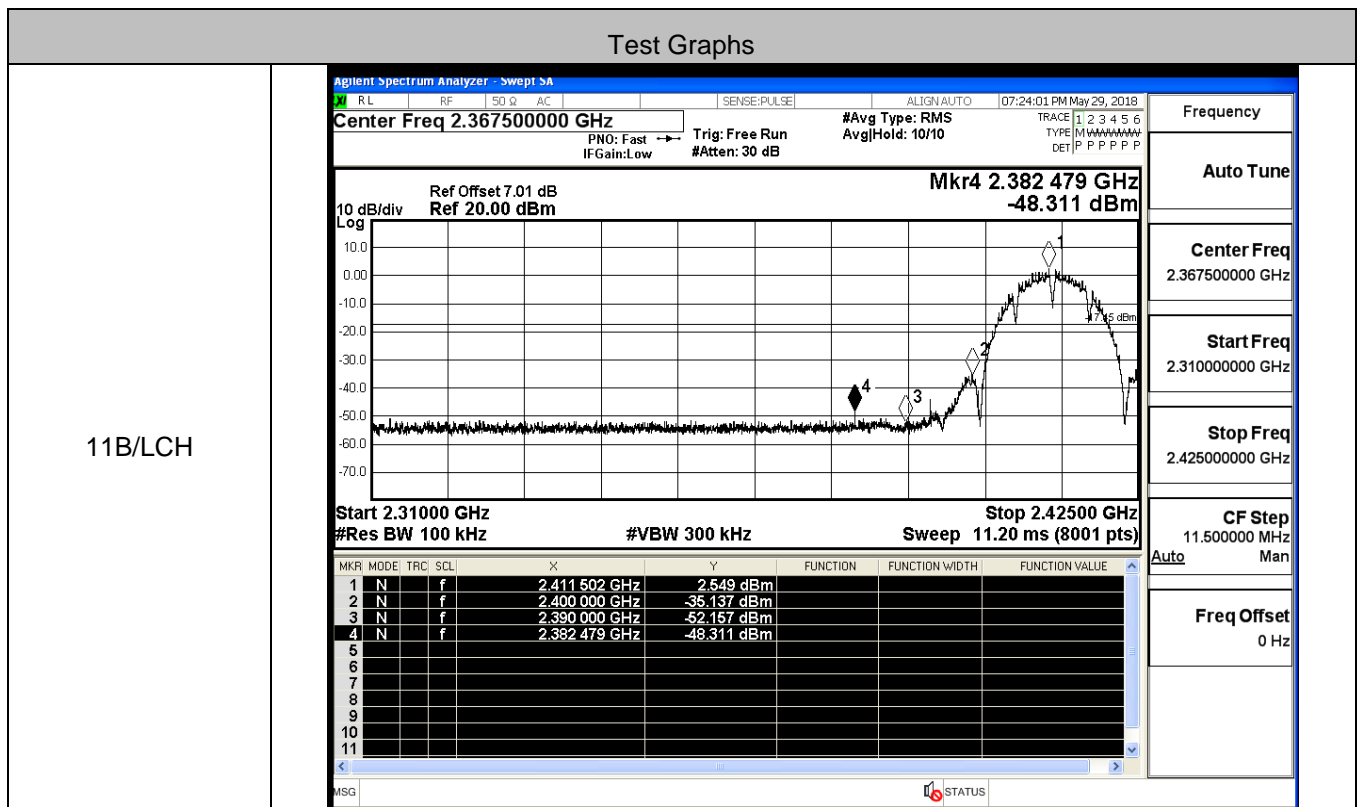


Puw/11N40
SISO/HCH

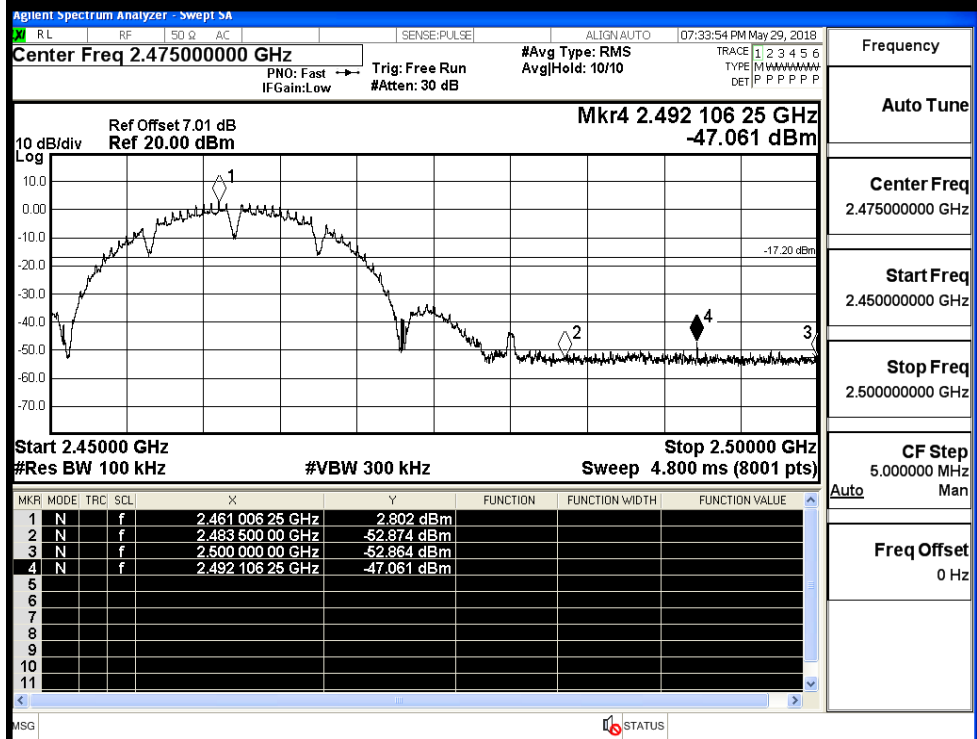


C.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.549	-48.311	-17.45	PASS
	HCH	2.802	-47.061	-17.2	PASS
11G	LCH	-2.846	-50.877	-22.85	PASS
	HCH	-1.876	-49.721	-21.88	PASS
11N20SISO	LCH	-3.394	-50.944	-23.39	PASS
	HCH	-2.996	-44.926	-23	PASS
11N40SISO	LCH	-8.081	-50.264	-28.08	PASS
	HCH	-7.564	-51.368	-27.56	PASS

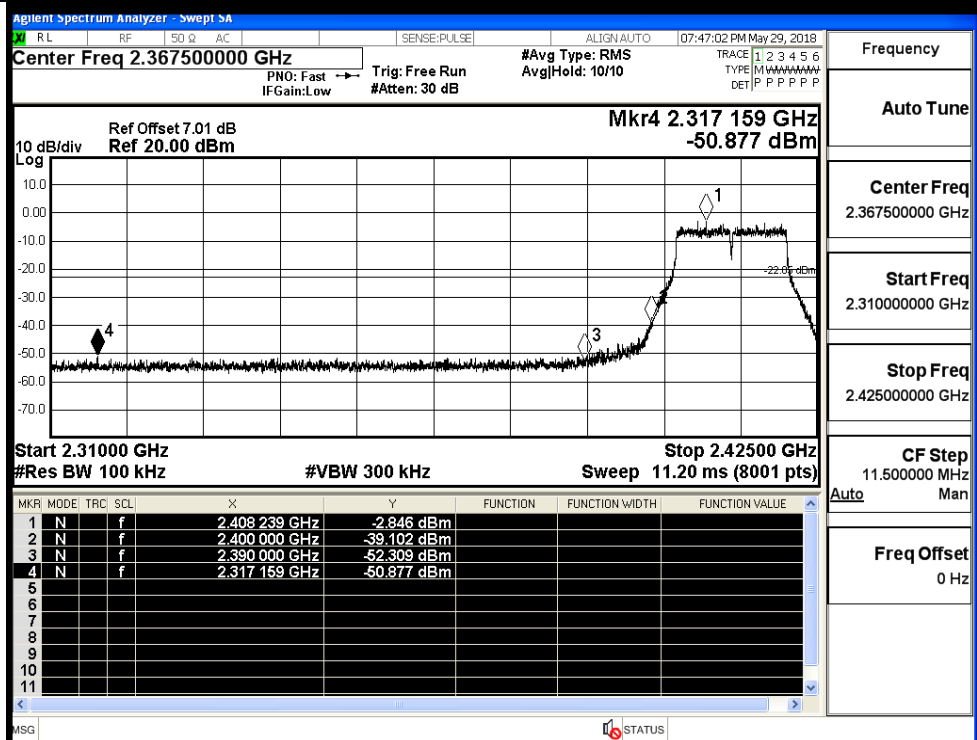


11B/HCH



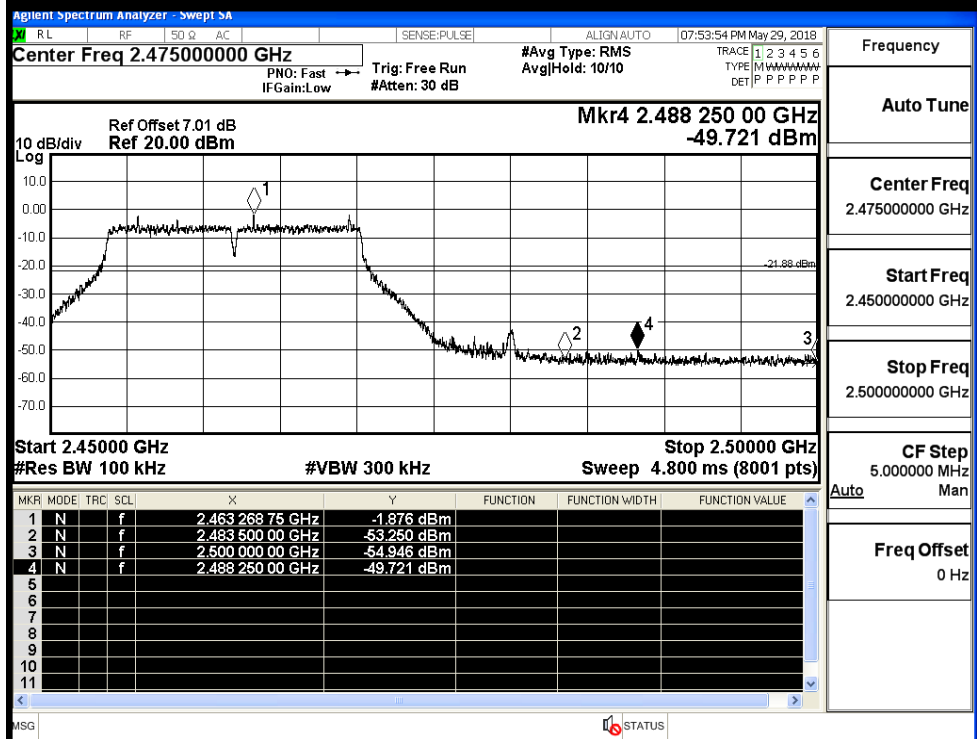
Frequency	
Auto Tune	
Center Freq	2.47500000 GHz
Start Freq	2.45000000 GHz
Stop Freq	2.50000000 GHz
CF Step	5.000000 MHz
Freq Offset	0 Hz

11G/LCH



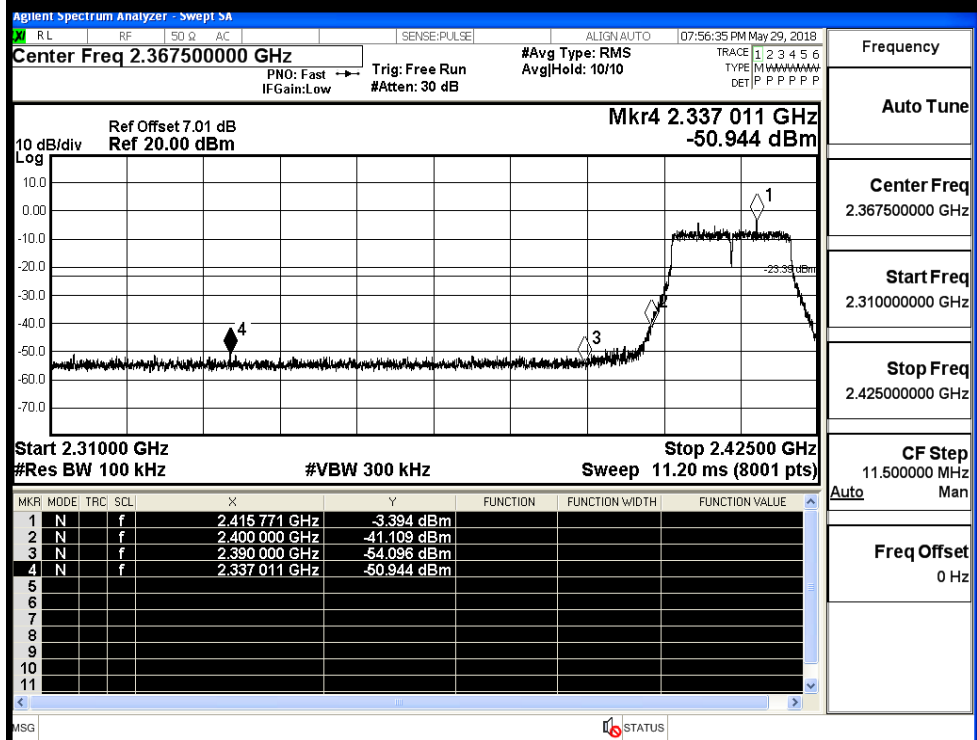
Frequency	
Auto Tune	
Center Freq	2.36750000 GHz
Start Freq	2.31000000 GHz
Stop Freq	2.42500000 GHz
CF Step	11.500000 MHz
Freq Offset	0 Hz

11G/HCH



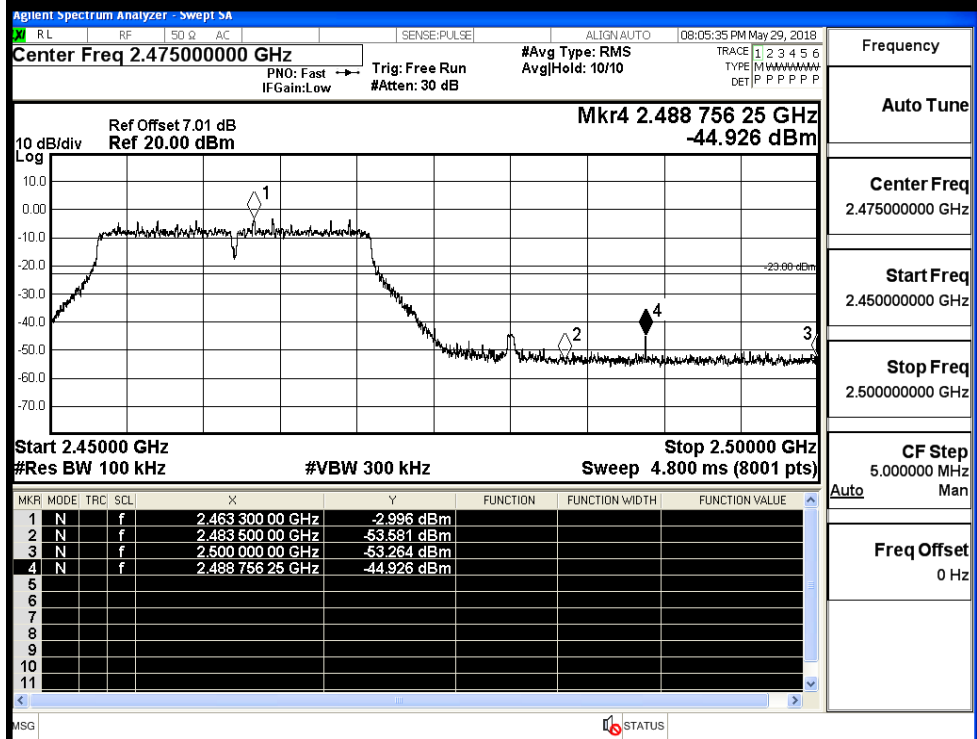
Frequency	2.47500000 GHz
Auto Tune	
Center Freq	2.47500000 GHz
Start Freq	2.45000000 GHz
Stop Freq	2.50000000 GHz
CF Step	5.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N20SISO/LCH



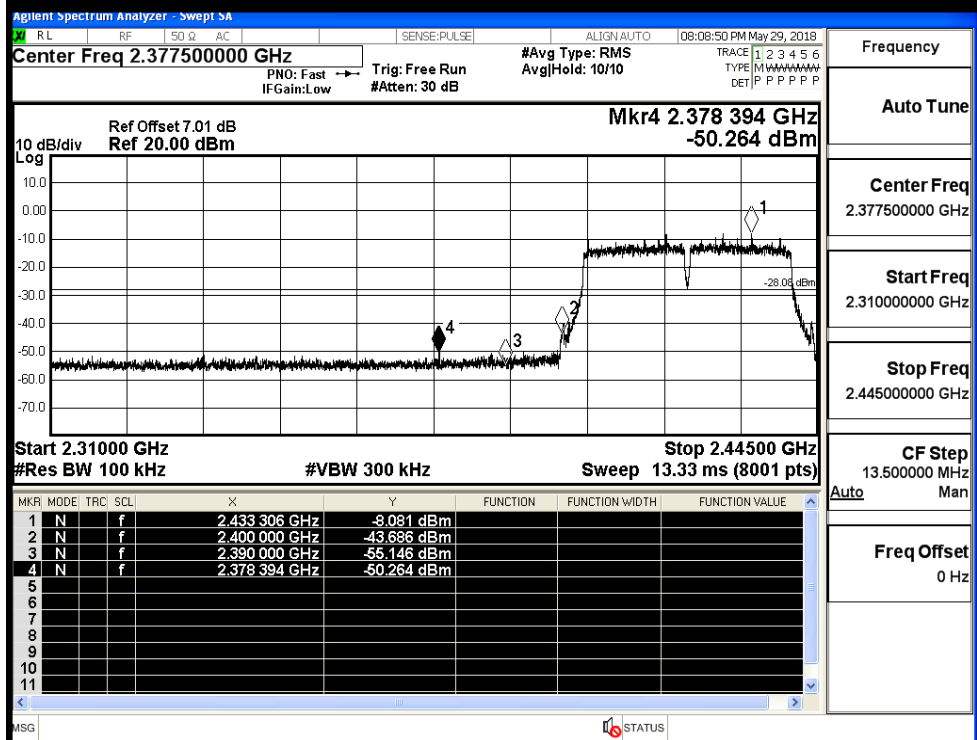
Frequency	2.36750000 GHz
Auto Tune	
Center Freq	2.36750000 GHz
Start Freq	2.31000000 GHz
Stop Freq	2.42500000 GHz
CF Step	11.500000 MHz
Auto	Man
Freq Offset	0 Hz

11N20SISO/HCH



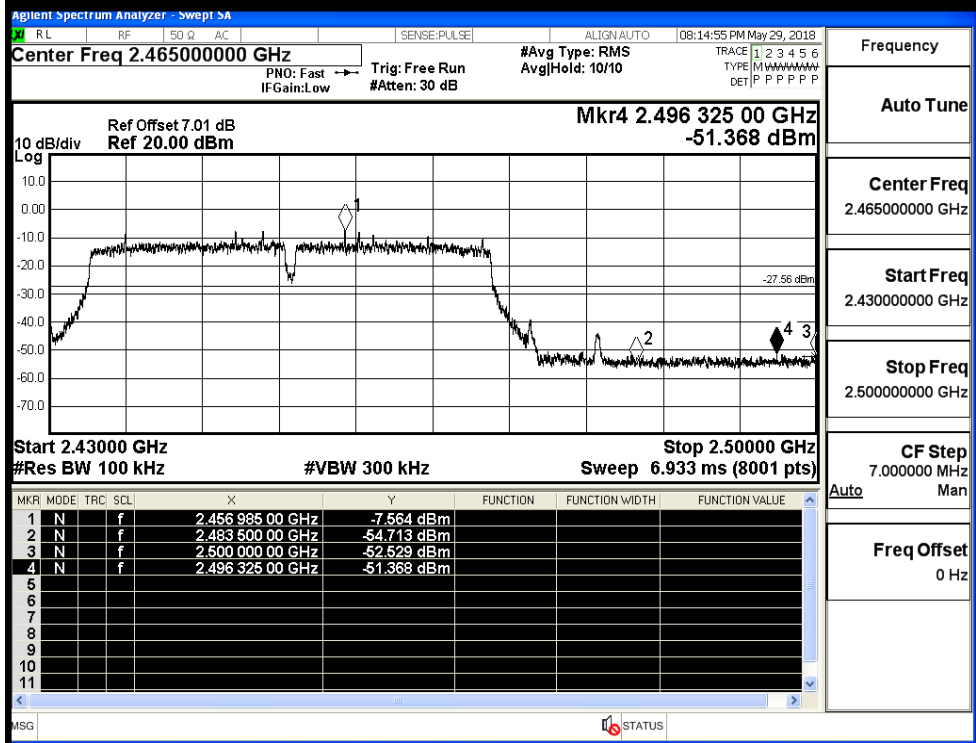
Frequency	
Auto Tune	
Center Freq	2.47500000 GHz
Start Freq	2.45000000 GHz
Stop Freq	2.50000000 GHz
CF Step	5.000000 MHz
Auto	Man
Freq Offset	0 Hz

11N40SISO/LCH



Frequency	
Auto Tune	
Center Freq	2.37750000 GHz
Start Freq	2.31000000 GHz
Stop Freq	2.44500000 GHz
CF Step	13.500000 MHz
Auto	Man
Freq Offset	0 Hz

11N40SISO/HCH



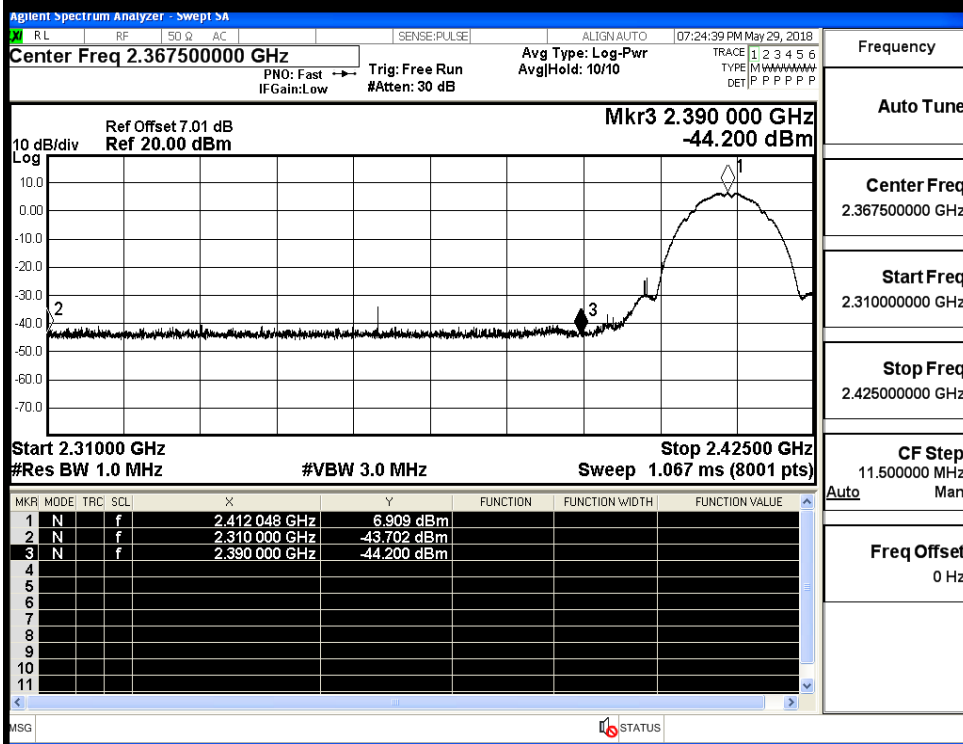
Frequency
Auto Tune
Center Freq 2.465000000 GHz
Start Freq 2.430000000 GHz
Stop Freq 2.500000000 GHz
CF Step 7.000000 MHz
Freq Offset 0 Hz

C.7 Restrict-band band-edge measurements

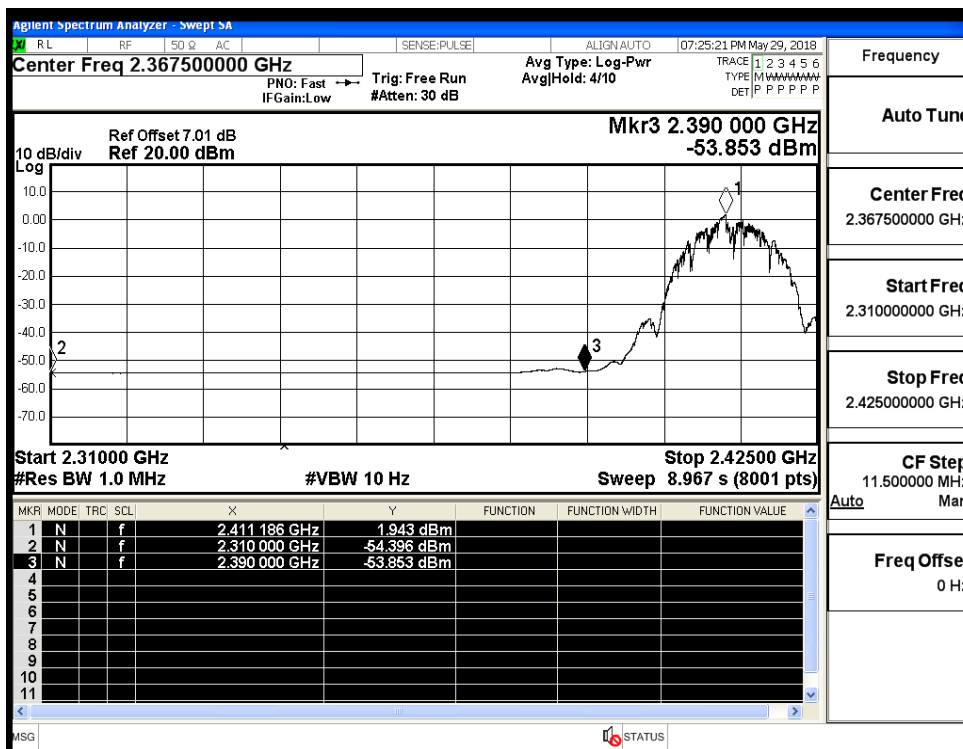
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
11B	2412	Ant1	2310.0	-43.70	2.0	0	53.56	PEAK	74	PASS
	2412	Ant1	2310.0	-54.40	2.0	0	42.86	AV	54	PASS
	2412	Ant1	2390.0	-44.20	2.0	0	53.06	PEAK	74	PASS
	2412	Ant1	2390.0	-53.85	2.0	0	43.40	AV	54	PASS
	2462	Ant1	2483.5	-43.72	2.0	0	53.54	PEAK	74	PASS
	2462	Ant1	2483.5	-53.57	2.0	0	43.69	AV	54	PASS
	2462	Ant1	2500.0	-43.00	2.0	0	54.26	PEAK	74	PASS
	2462	Ant1	2500.0	-53.83	2.0	0	43.42	AV	54	PASS
11G	2412	Ant1	2310.0	-44.62	2.0	0	52.64	PEAK	74	PASS
	2412	Ant1	2310.0	-54.67	2.0	0	42.58	AV	54	PASS
	2412	Ant1	2390.0	-43.76	2.0	0	53.49	PEAK	74	PASS
	2412	Ant1	2390.0	-53.51	2.0	0	43.75	AV	54	PASS
	2462	Ant1	2483.5	-41.53	2.0	0	55.73	PEAK	74	PASS
	2462	Ant1	2483.5	-53.16	2.0	0	44.10	AV	54	PASS
	2462	Ant1	2500.0	-44.99	2.0	0	52.27	PEAK	74	PASS
	2462	Ant1	2500.0	-53.89	2.0	0	43.37	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-44.39	2.0	0	52.87	PEAK	74	PASS
	2412	Ant1	2310.0	-54.67	2.0	0	42.59	AV	54	PASS
	2412	Ant1	2390.0	-42.85	2.0	0	54.41	PEAK	74	PASS
	2412	Ant1	2390.0	-53.59	2.0	0	43.67	AV	54	PASS
	2462	Ant1	2483.5	-40.07	2.0	0	57.18	PEAK	74	PASS
	2462	Ant1	2483.5	-53.52	2.0	0	43.73	AV	54	PASS
	2462	Ant1	2500.0	-43.72	2.0	0	53.54	PEAK	74	PASS
	2462	Ant1	2500.0	-53.93	2.0	0	43.33	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-44.71	2.0	0	52.54	PEAK	74	PASS
	2422	Ant1	2310.0	-54.74	2.0	0	42.51	AV	54	PASS

	2422	Ant1	2390.0	-42.38	2.0	0	54.88	PEAK	74	PASS
	2422	Ant1	2390.0	-53.57	2.0	0	43.69	AV	54	PASS
	2452	Ant1	2483.5	-43.67	2.0	0	53.59	PEAK	74	PASS
	2452	Ant1	2483.5	-54.18	2.0	0	43.08	AV	54	PASS
	2452	Ant1	2500.0	-43.84	2.0	0	53.42	PEAK	74	PASS
	2452	Ant1	2500.0	-54.21	2.0	0	43.05	AV	54	PASS

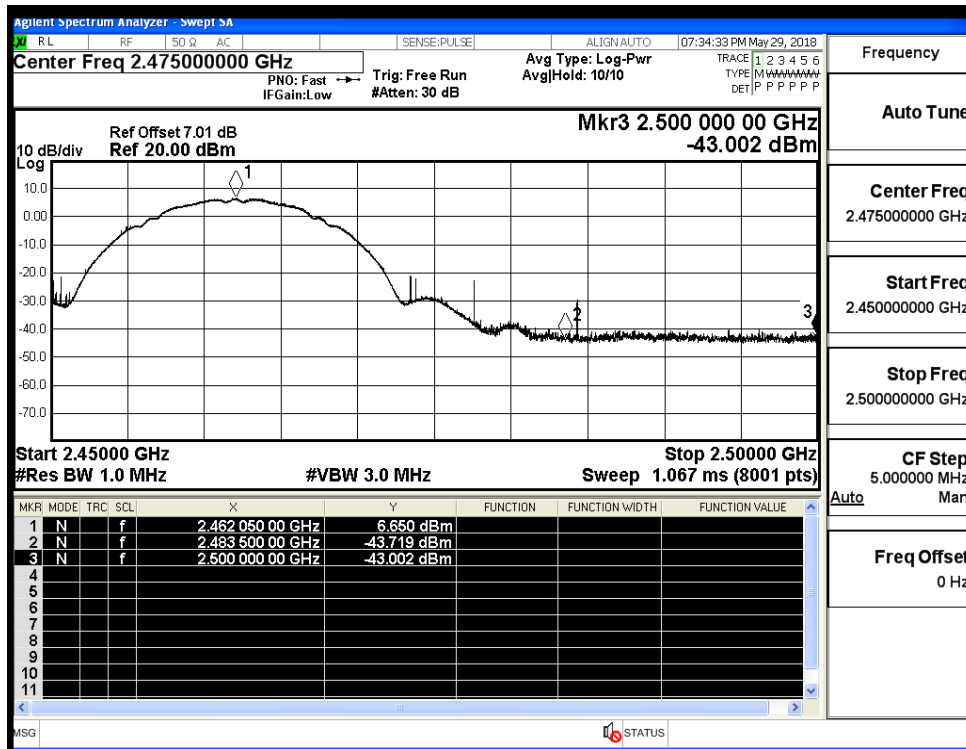
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



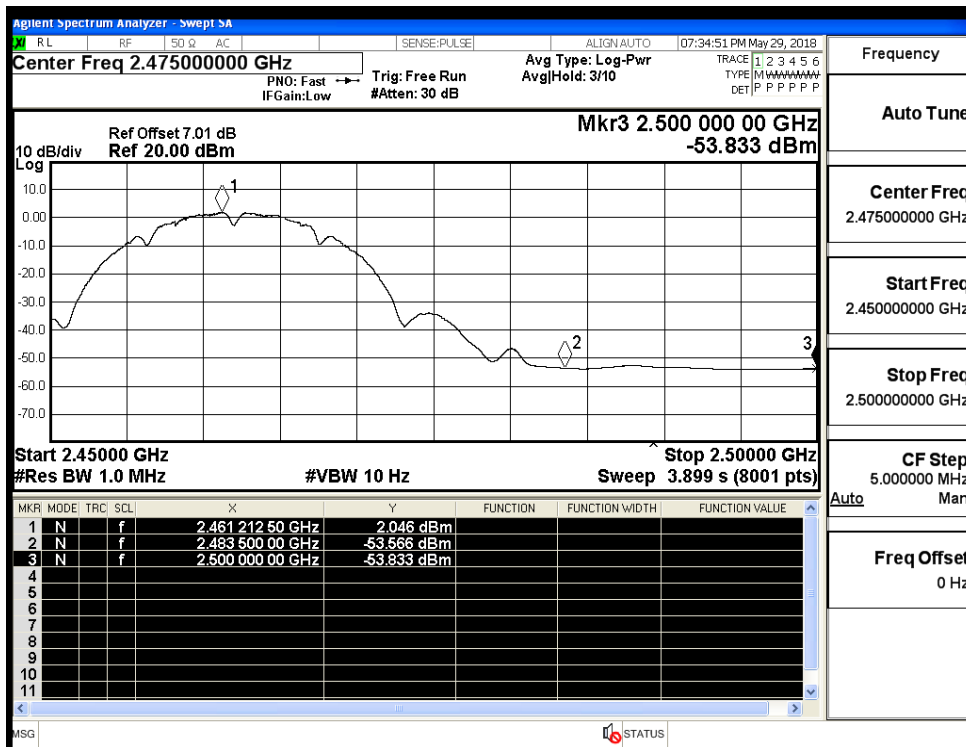
Restrict-band band-edge measurements_11B_2412_Ant1_AV



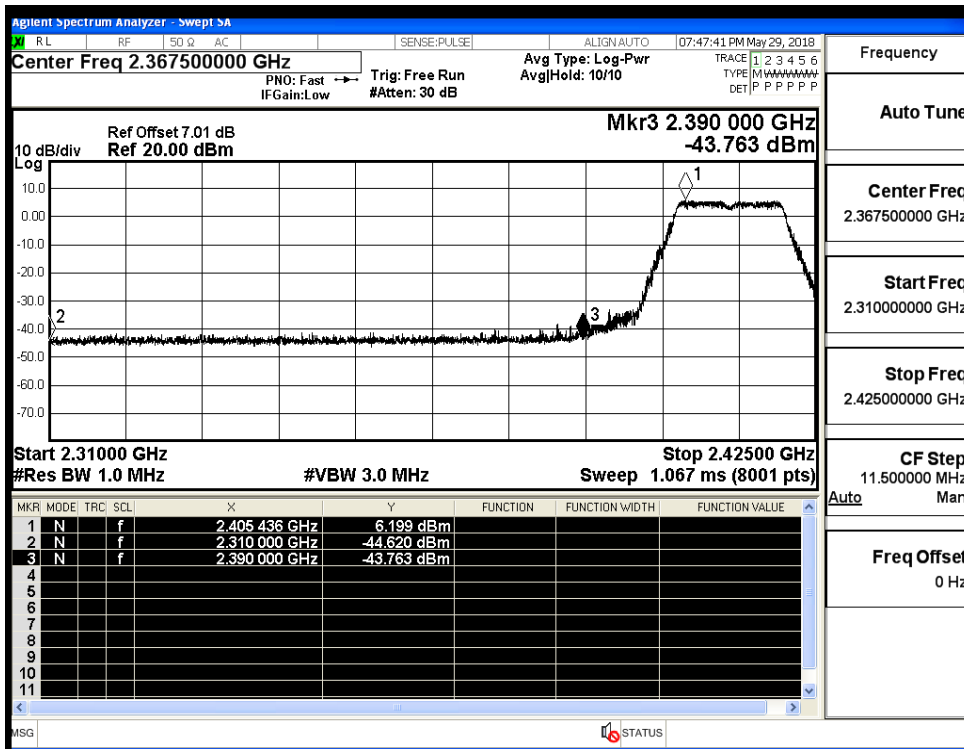
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



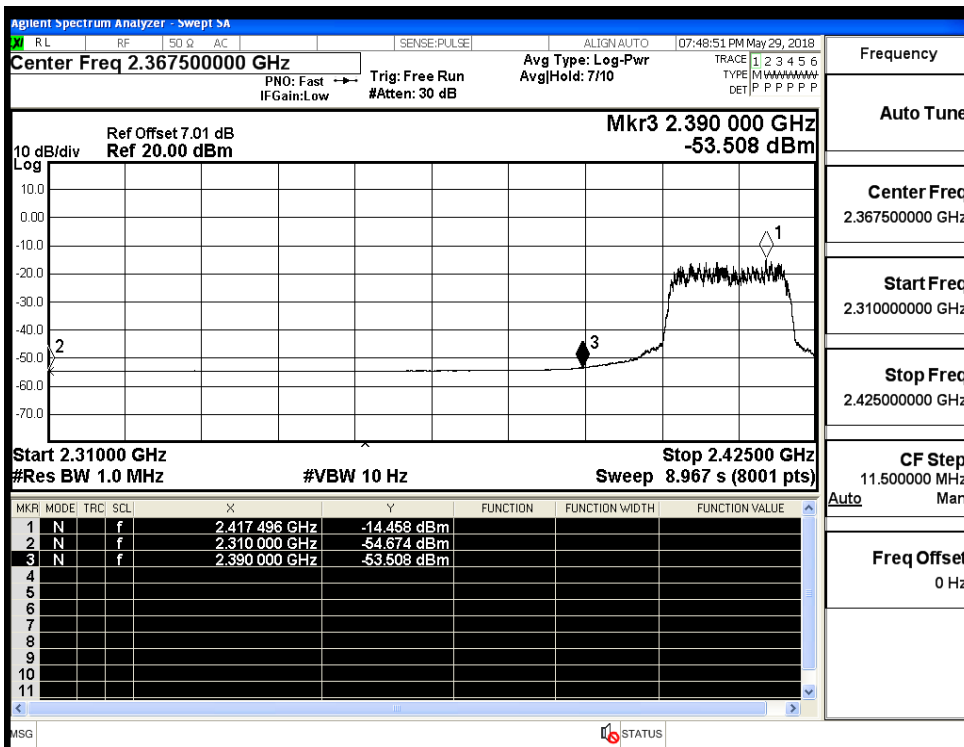
Restrict-band band-edge measurements_11B_2462_Ant1_AV



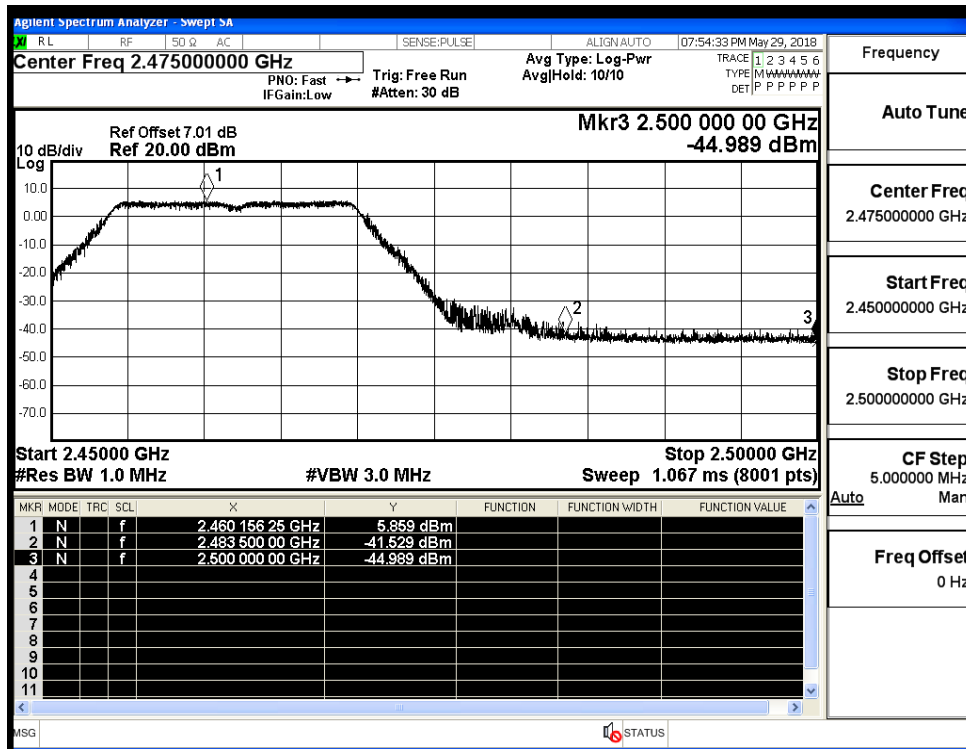
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



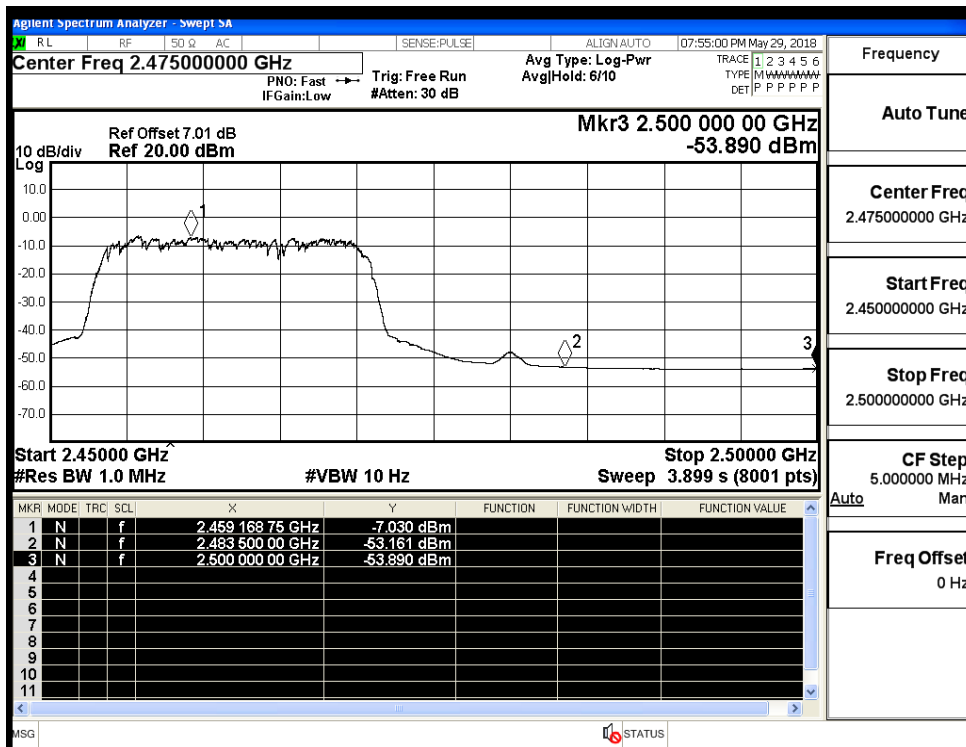
Restrict-band band-edge measurements_11G_2412_Ant1_AV



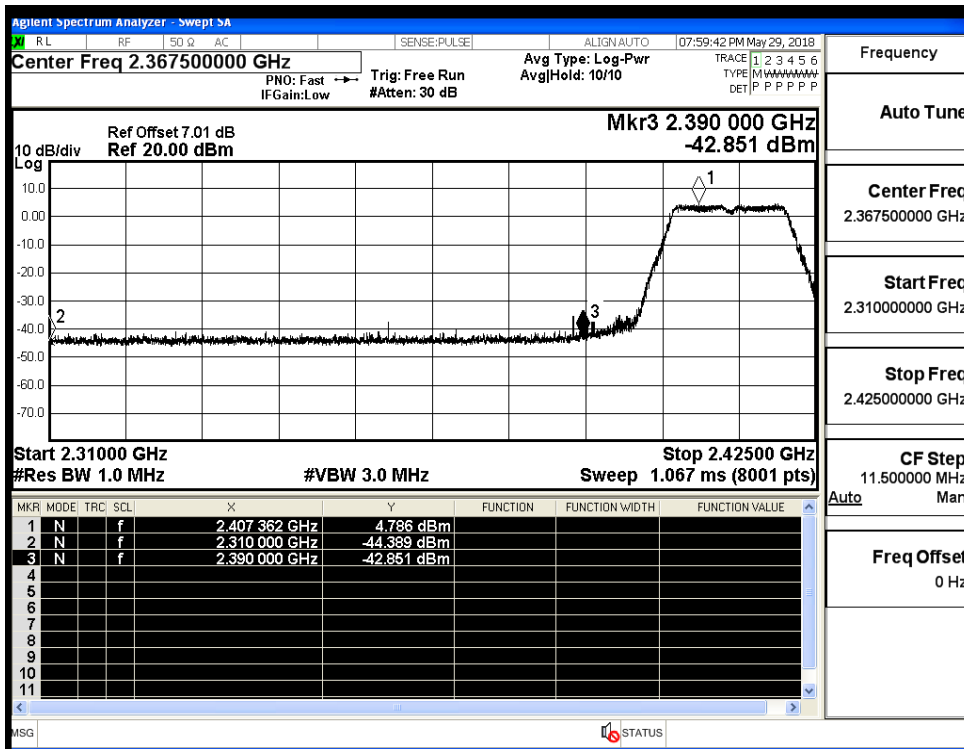
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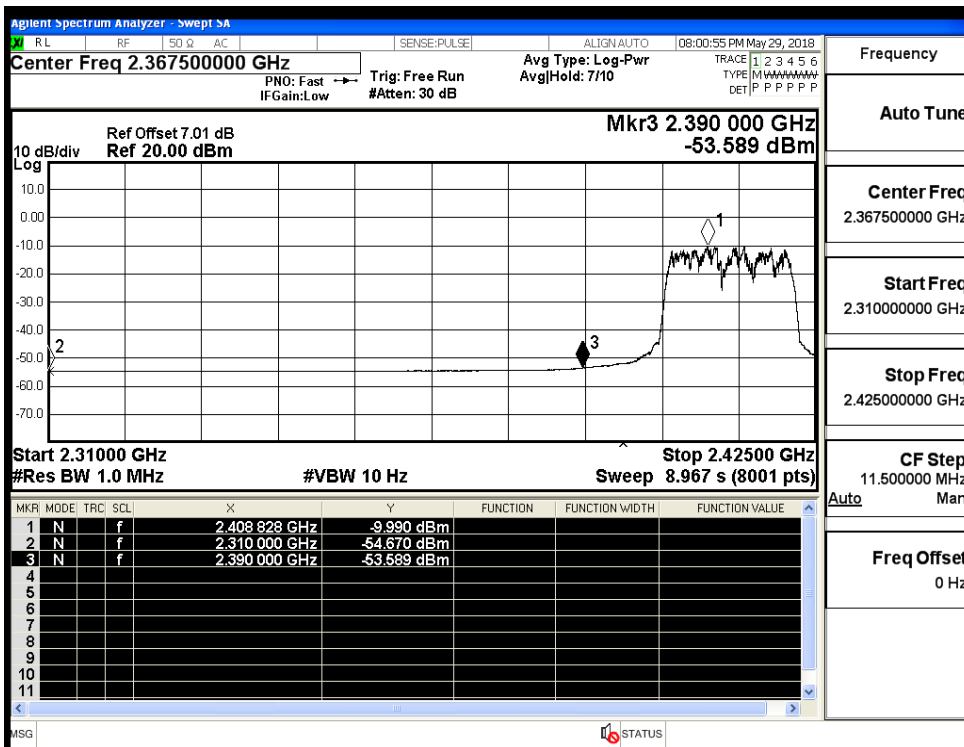
Restrict-band band-edge measurements_11G_2462_Ant1_AV



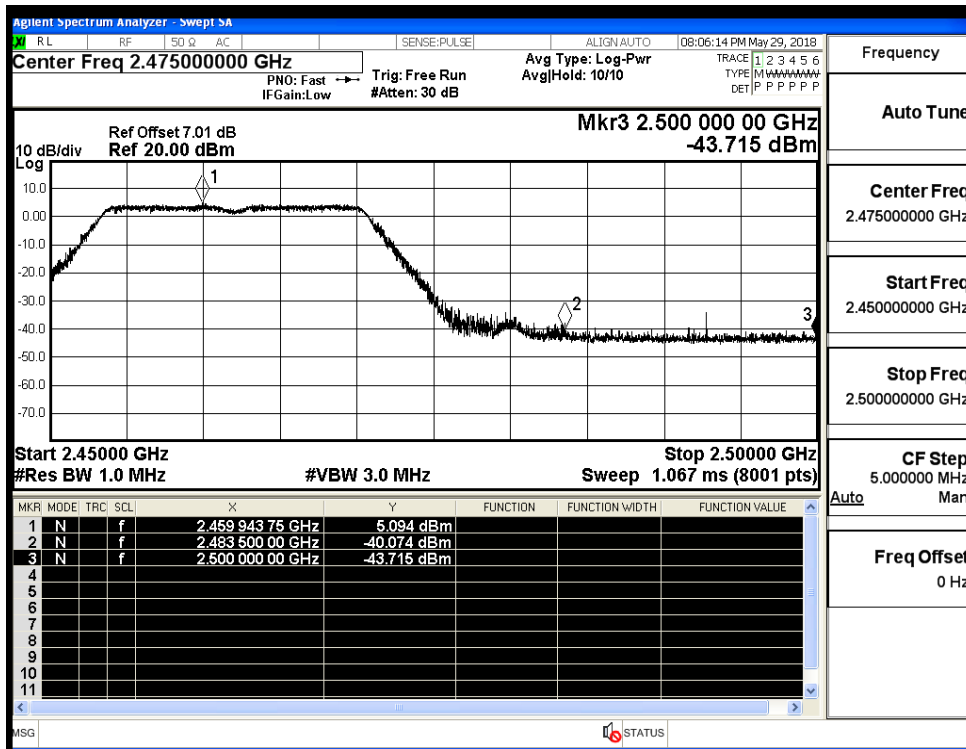
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



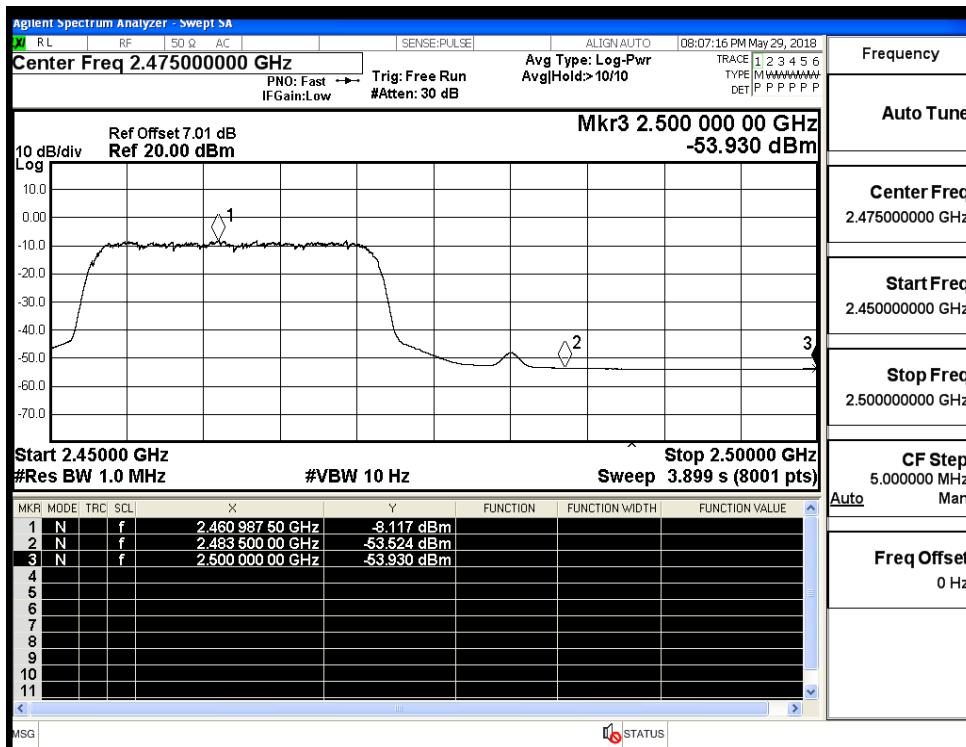
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



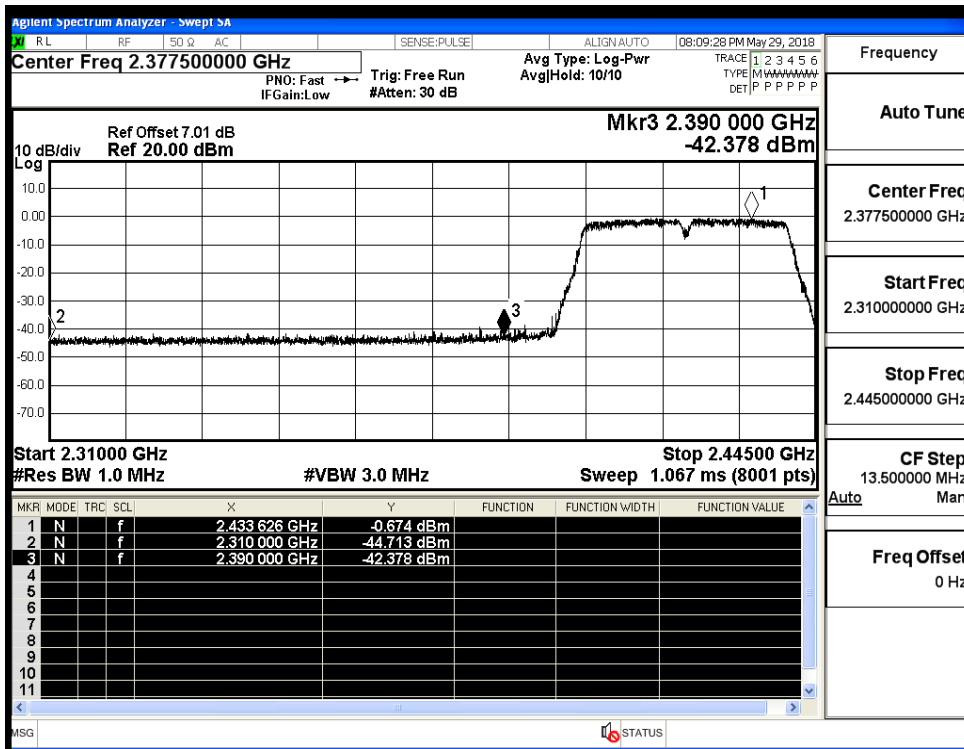
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



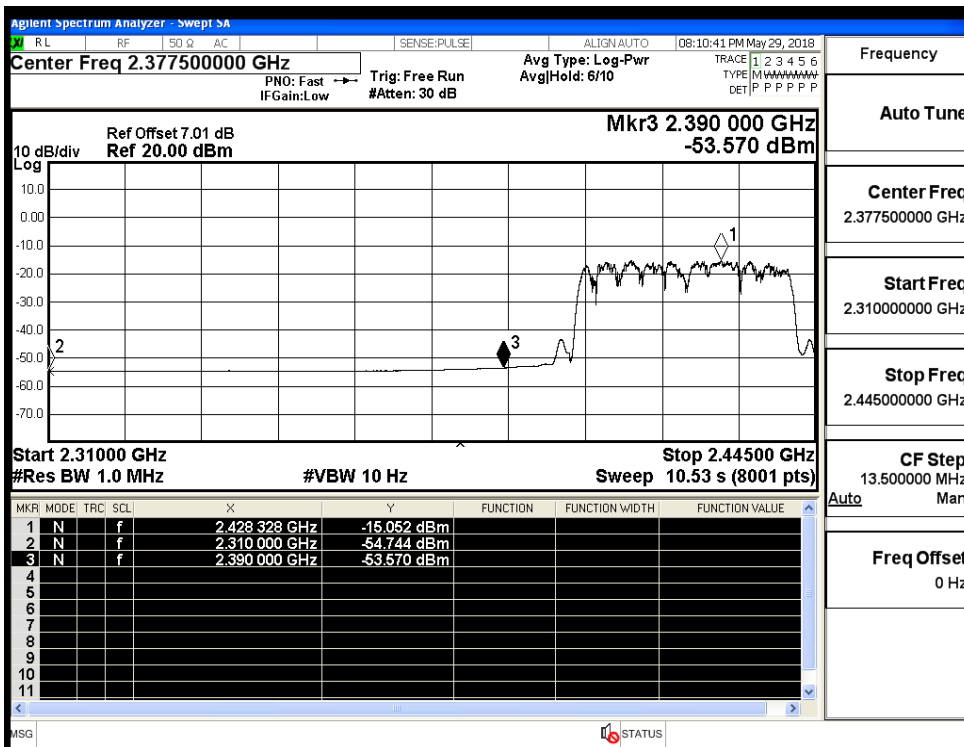
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



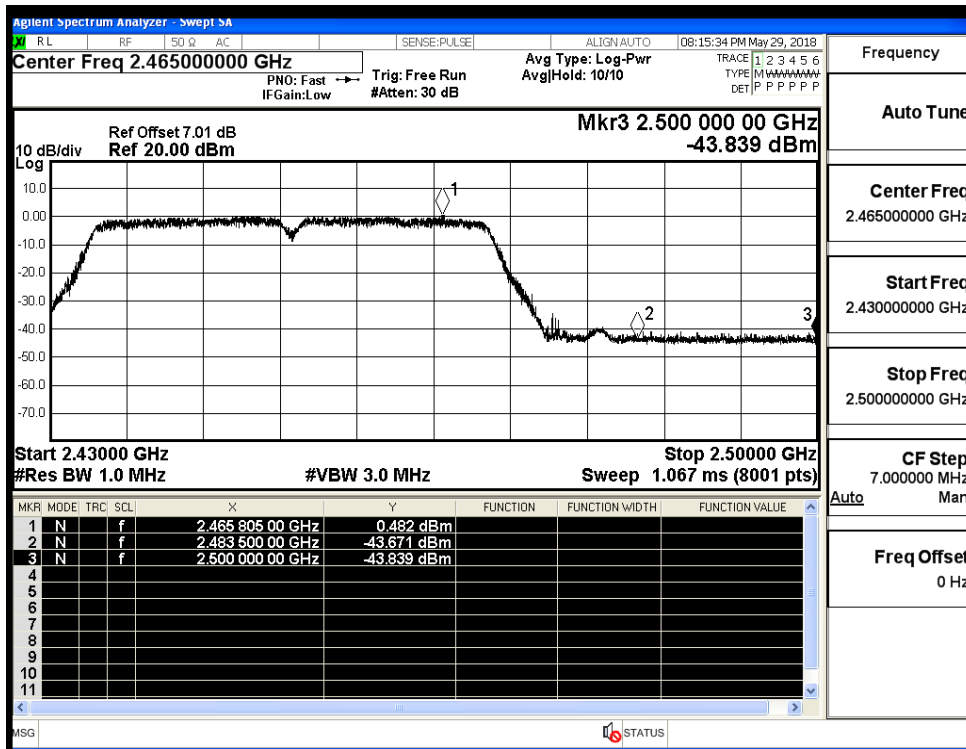
Restrict-band band-edge measurements_11N40SISO_2422_Ant1_PEAK



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

