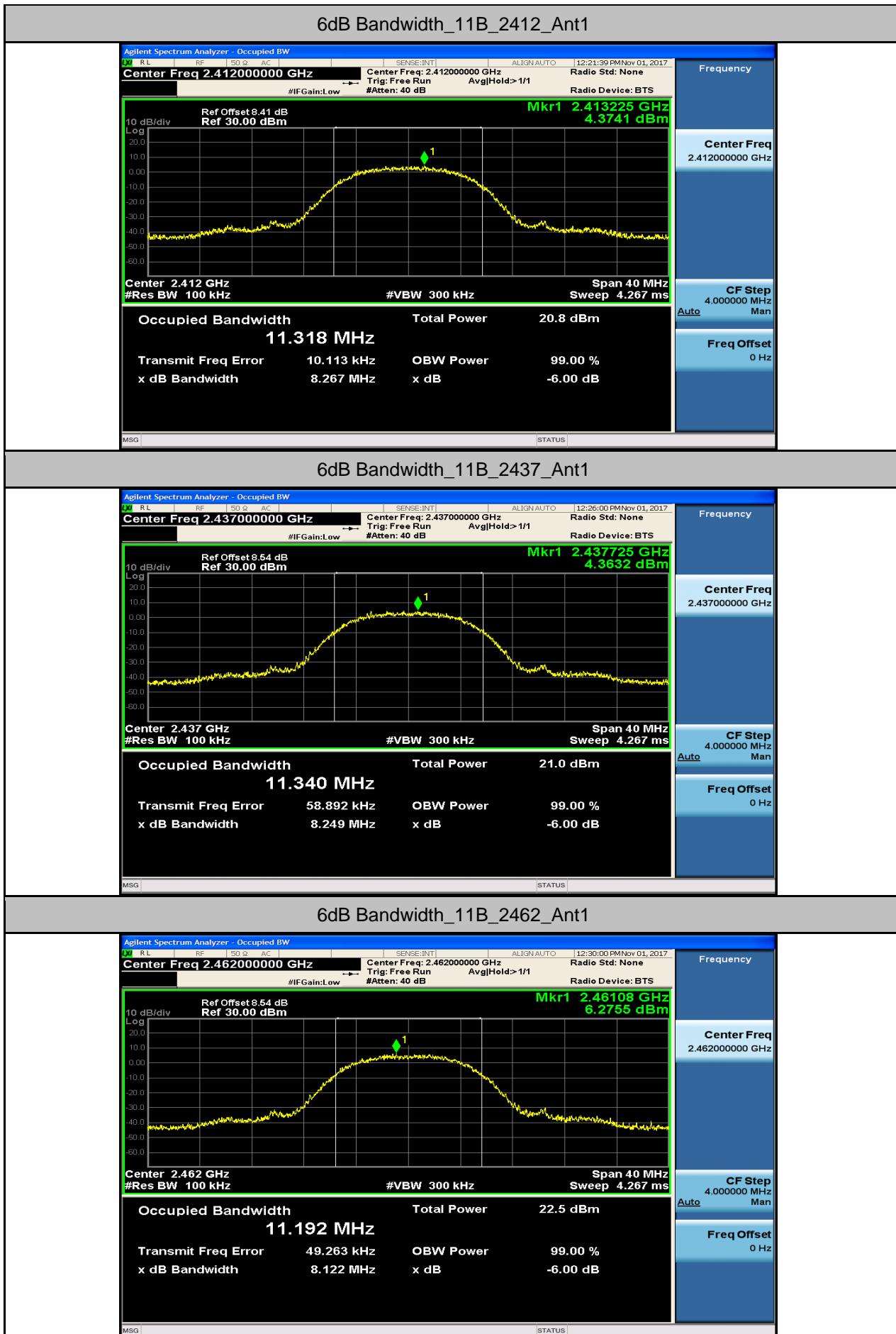




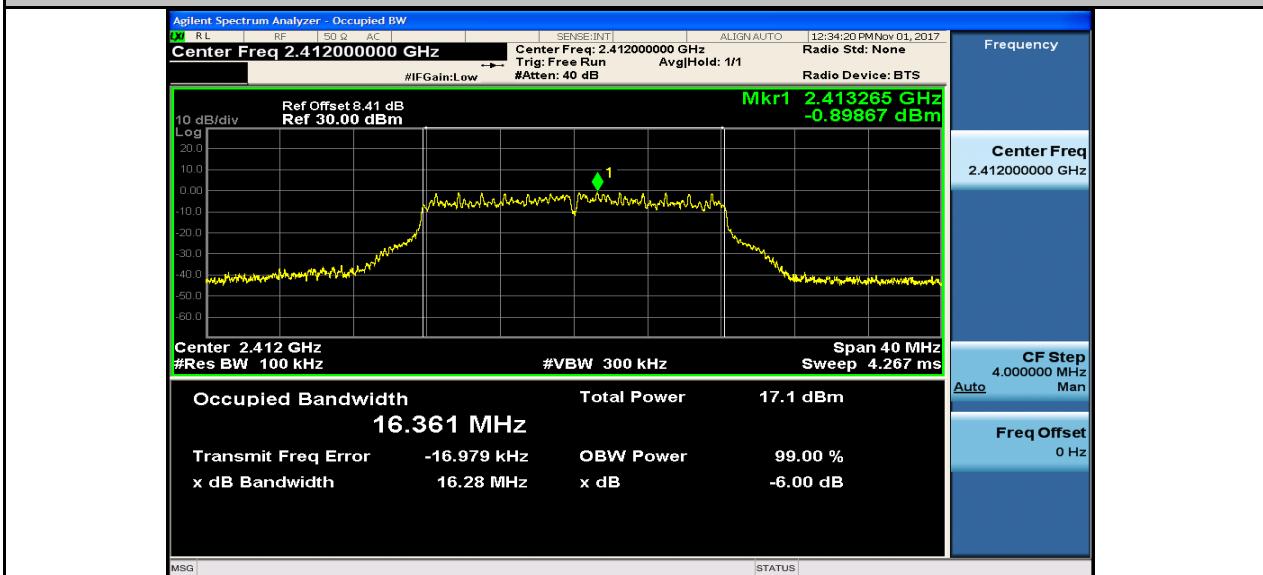
Appendix A for SZEM171001064203

1.6dB Bandwidth

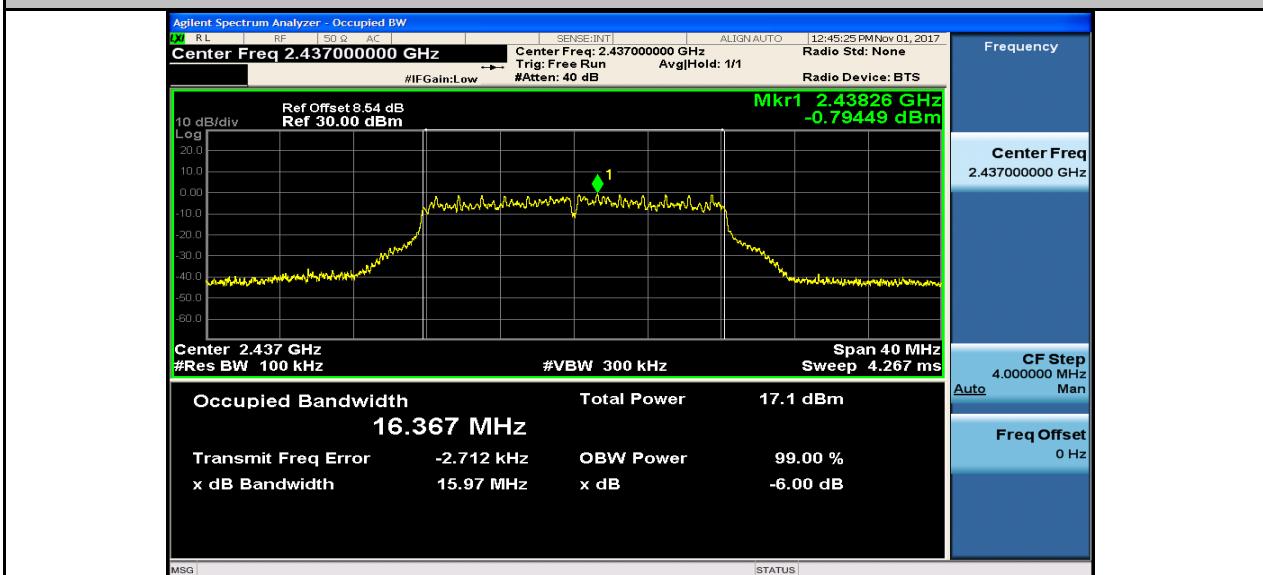
Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	8.267	0.5	PASS
11B	2437	Ant1	8.249	0.5	PASS
11B	2462	Ant1	8.122	0.5	PASS
11G	2412	Ant1	16.28	0.5	PASS
11G	2437	Ant1	15.97	0.5	PASS
11G	2462	Ant1	15.90	0.5	PASS
11N20SISO	2412	Ant1	17.69	0.5	PASS
11N20SISO	2437	Ant1	17.63	0.5	PASS
11N20SISO	2462	Ant1	17.27	0.5	PASS
11N40SISO	2422	Ant1	36.31	0.5	PASS
11N40SISO	2437	Ant1	36.02	0.5	PASS
11N40SISO	2452	Ant1	35.75	0.5	PASS



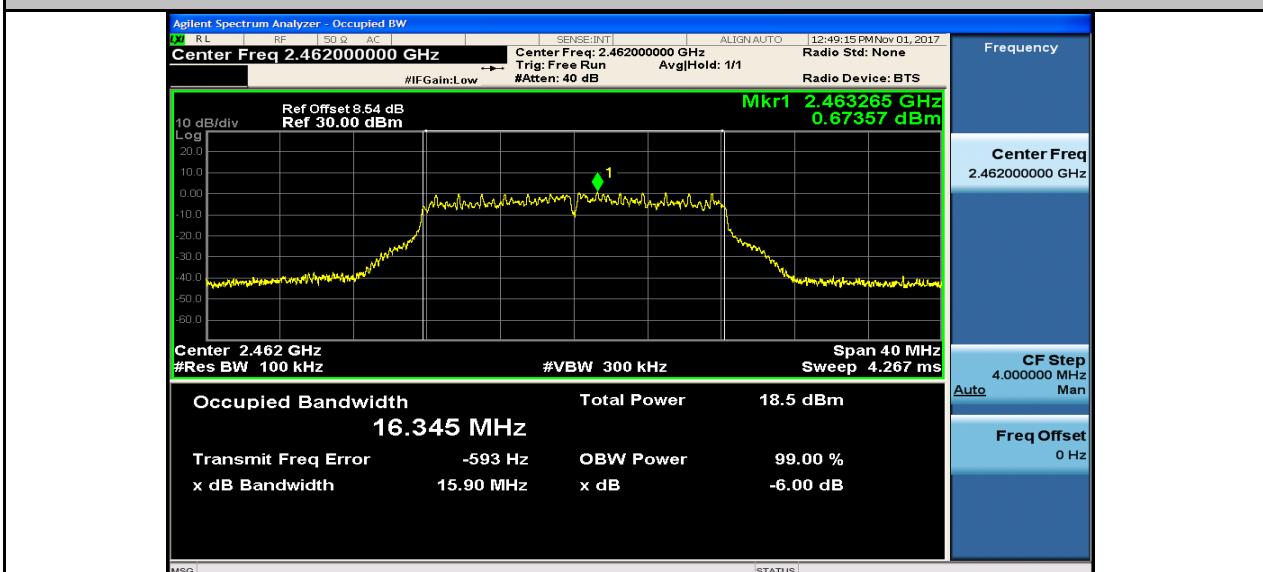
6dB Bandwidth_11G_2412_Ant1

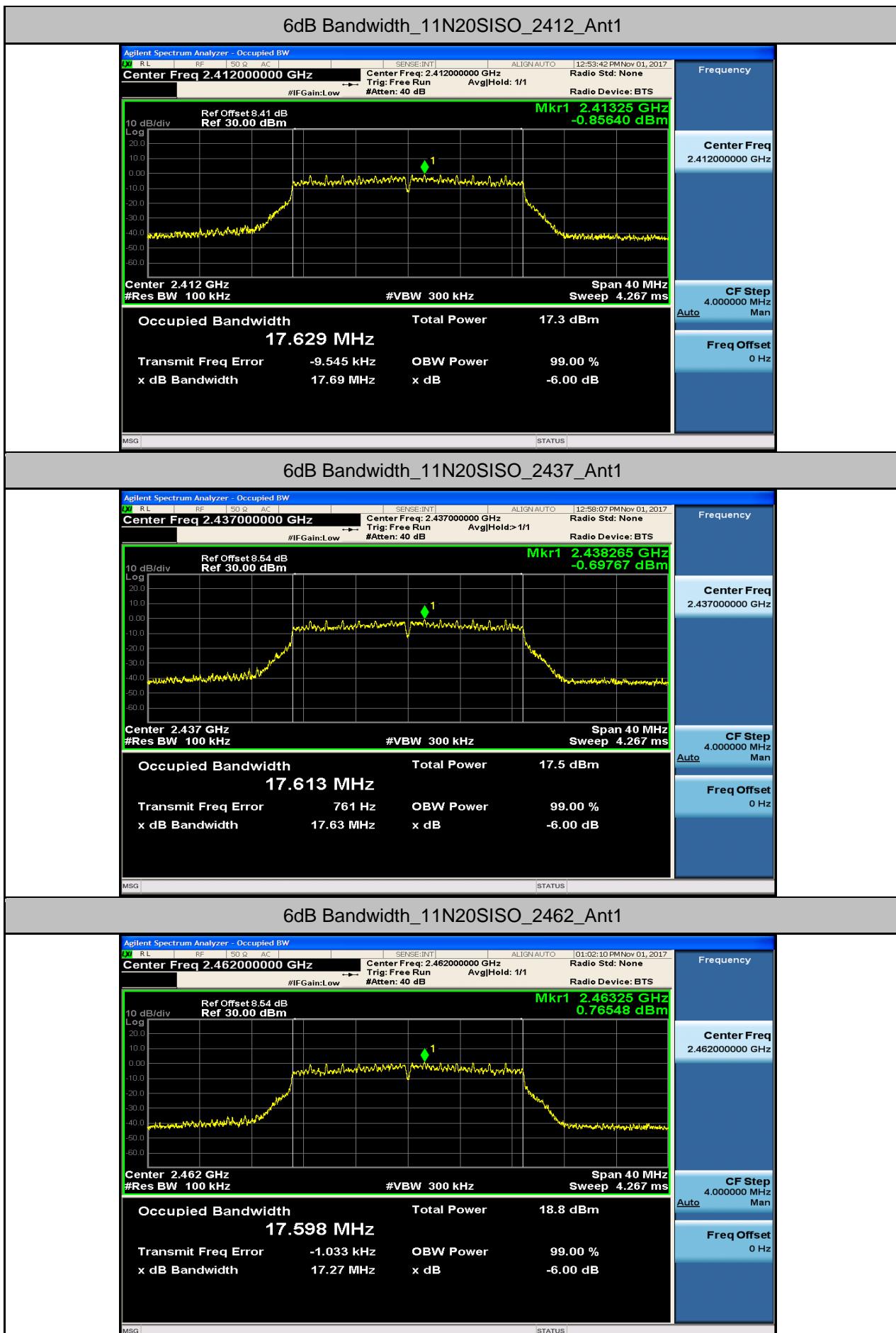


6dB Bandwidth_11G_2437_Ant1

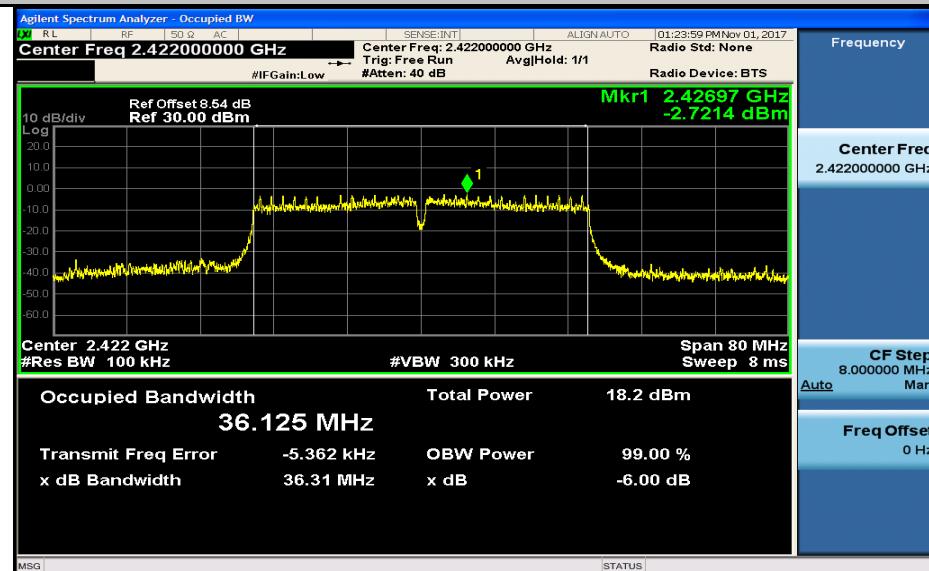


6dB Bandwidth_11G_2462_Ant1

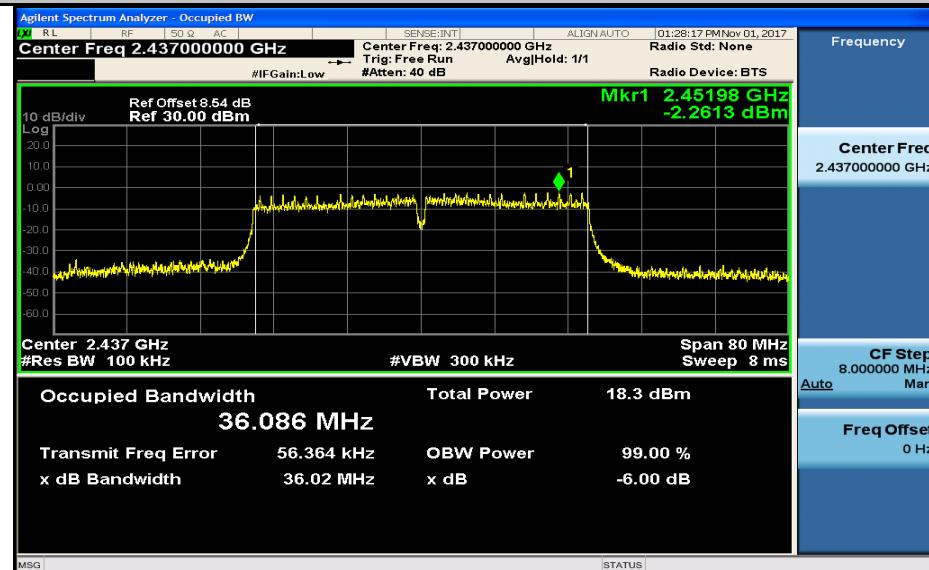




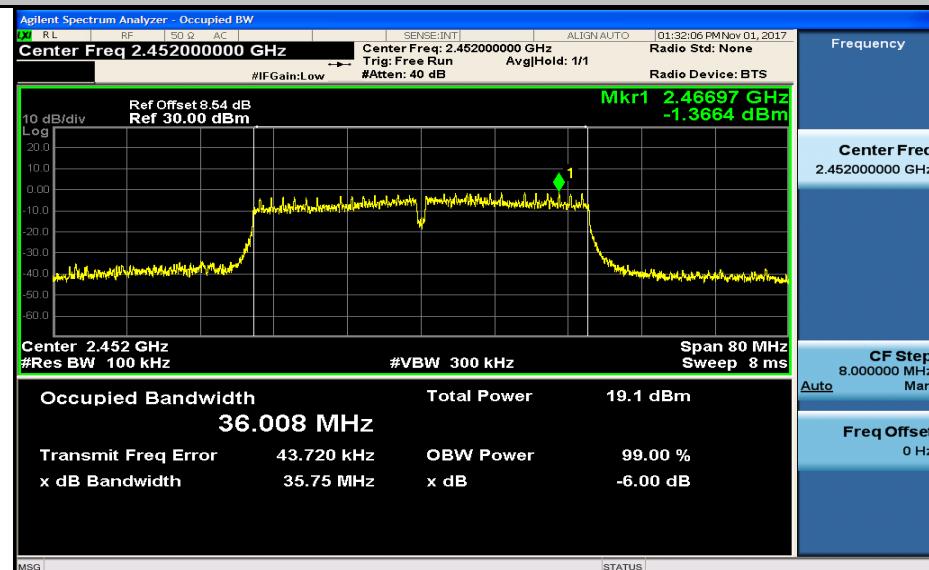
6dB Bandwidth_11N40SISO_2422_Ant1



6dB Bandwidth_11N40SISO_2437_Ant1



6dB Bandwidth_11N40SISO_2452_Ant1

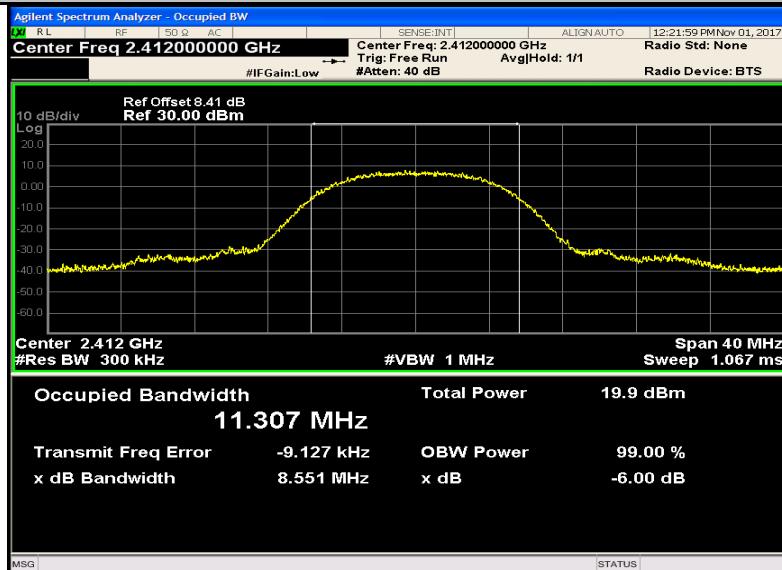




2.Occupied Bandwidth

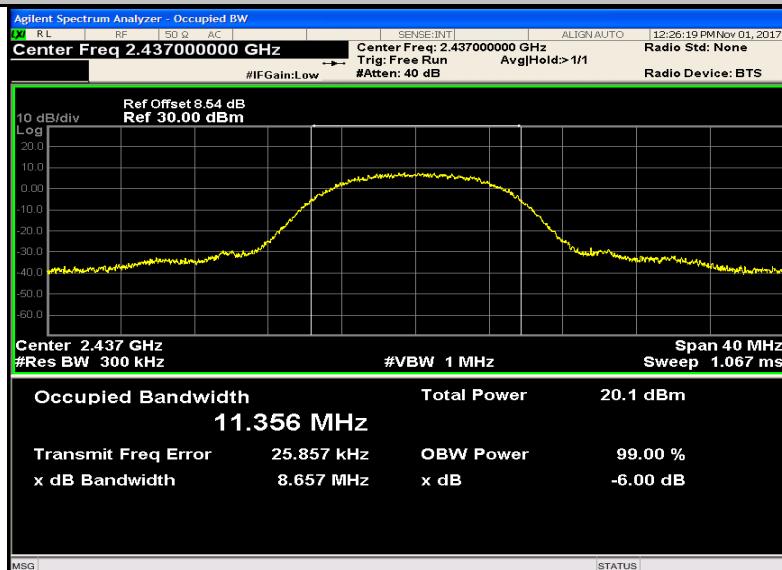
Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	11.307	---	PASS
11B	2437	Ant1	11.356	---	PASS
11B	2462	Ant1	11.277	---	PASS
11G	2412	Ant1	16.557	---	PASS
11G	2437	Ant1	16.570	---	PASS
11G	2462	Ant1	16.518	---	PASS
11N20SISO	2412	Ant1	17.848	---	PASS
11N20SISO	2437	Ant1	17.854	---	PASS
11N20SISO	2462	Ant1	17.792	---	PASS
11N40SISO	2422	Ant1	36.545	---	PASS
11N40SISO	2437	Ant1	36.607	---	PASS
11N40SISO	2452	Ant1	36.472	---	PASS

Occupied Bandwidth_11B_2412



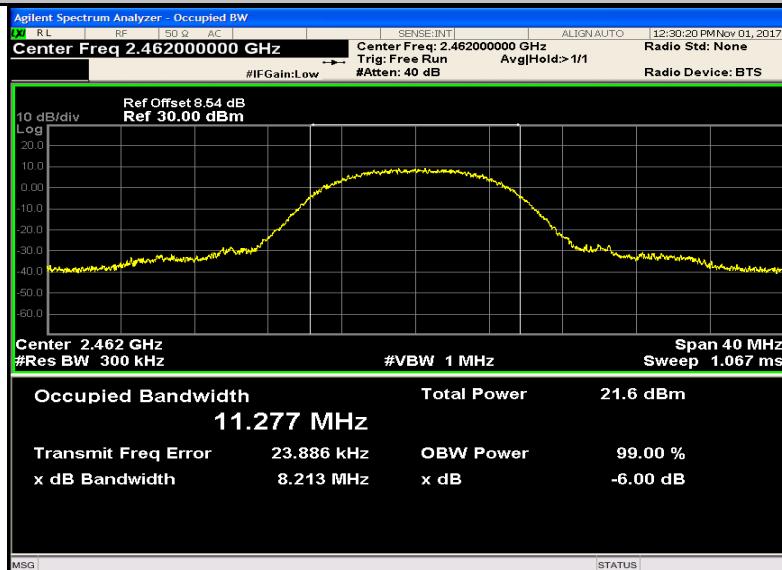
Frequency
Center Freq
2.412000000 GHz
CF Step
4.000000 MHz
Man
Auto
Freq Offset
0 Hz

Occupied Bandwidth_11B_2437



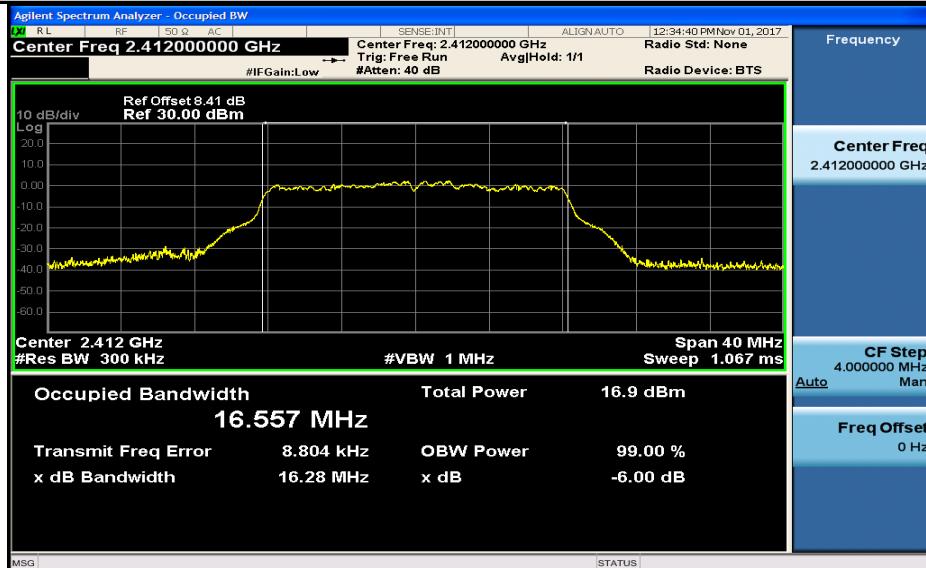
Frequency
Center Freq
2.437000000 GHz
CF Step
4.000000 MHz
Man
Auto
Freq Offset
0 Hz

Occupied Bandwidth_11B_2462

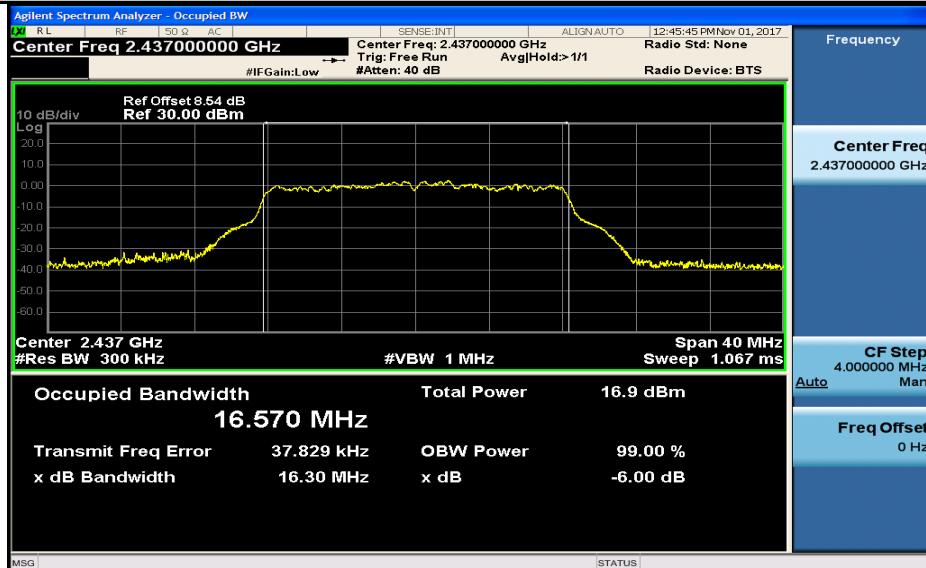


Frequency
Center Freq
2.462000000 GHz
CF Step
4.000000 MHz
Man
Auto
Freq Offset
0 Hz

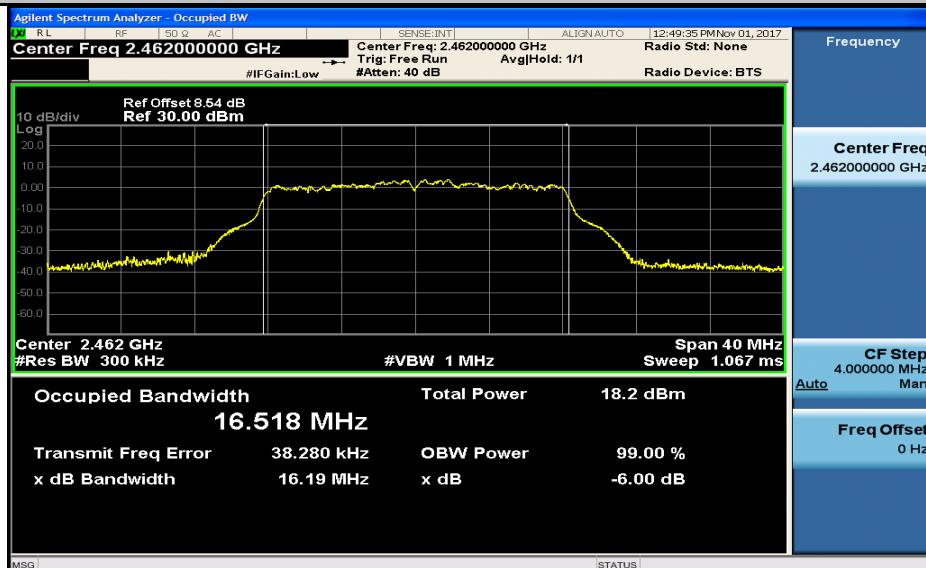
Occupied Bandwidth_11G_2412

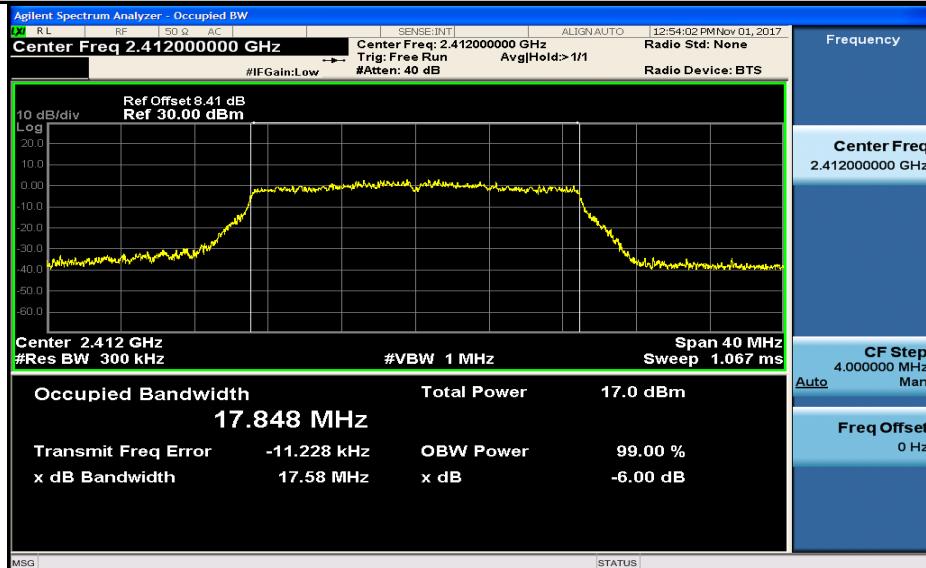
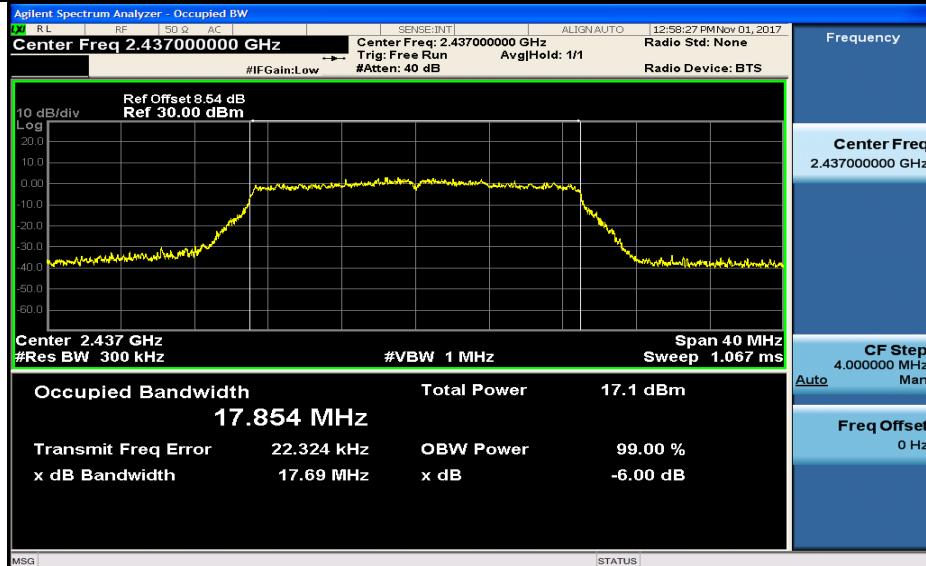
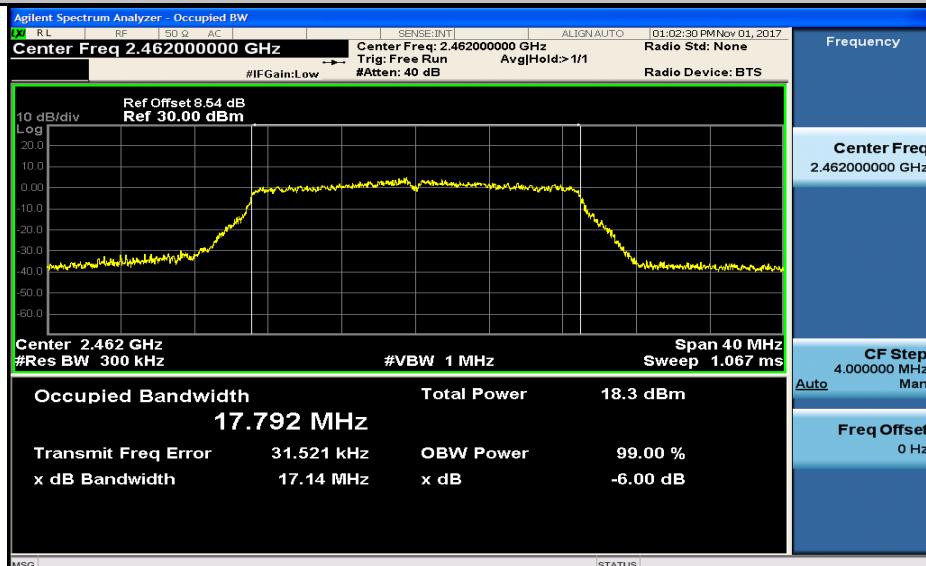


Occupied Bandwidth_11G_2437

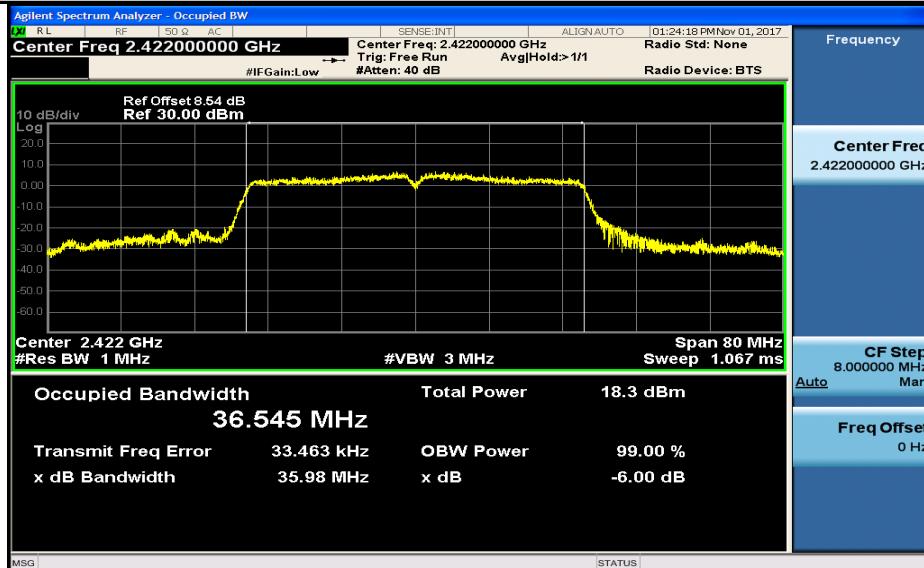


Occupied Bandwidth_11G_2462



Occupied Bandwidth_11N20SISO_2412**Occupied Bandwidth_11N20SISO_2437****Occupied Bandwidth_11N20SISO_2462**

Occupied Bandwidth_11N40SISO_2422



Occupied Bandwidth_11N40SISO_2437



Occupied Bandwidth_11N40SISO_2452





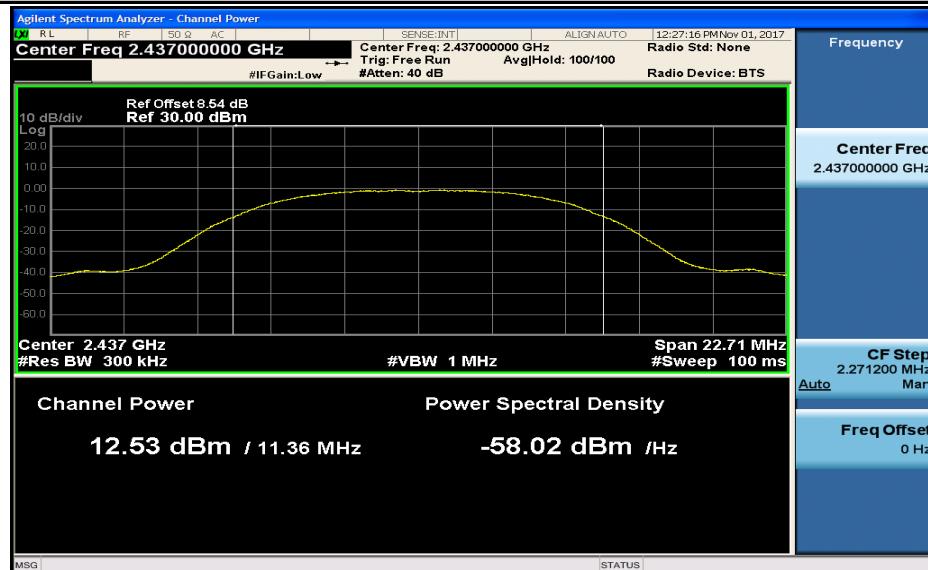
3. Maximum conducted (average) output power

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	12.47	0.495377810944021	12.97	30	PASS
11B	2437	Ant1	12.53	0.495377810944021	13.03	30	PASS
11B	2462	Ant1	14.04	0.483711061633618	14.52	30	PASS
11G	2412	Ant1	8.59	2.15311400498579	10.74	30	PASS
11G	2437	Ant1	8.58	2.15311400498579	10.73	30	PASS
11G	2462	Ant1	9.96	2.15311400498579	12.11	30	PASS
11N20SISO	2412	Ant1	8.1	2.21848749616356	10.32	30	PASS
11N20SISO	2437	Ant1	8.33	2.25994269741791	10.59	30	PASS
11N20SISO	2462	Ant1	9.58	2.28780098050466	11.87	30	PASS
11N40SISO	2422	Ant1	8.42	2.68814292366	11.11	30	PASS
11N40SISO	2437	Ant1	8.62	2.68814292366	11.31	30	PASS
11N40SISO	2452	Ant1	9.4	2.68814292366	12.09	30	PASS

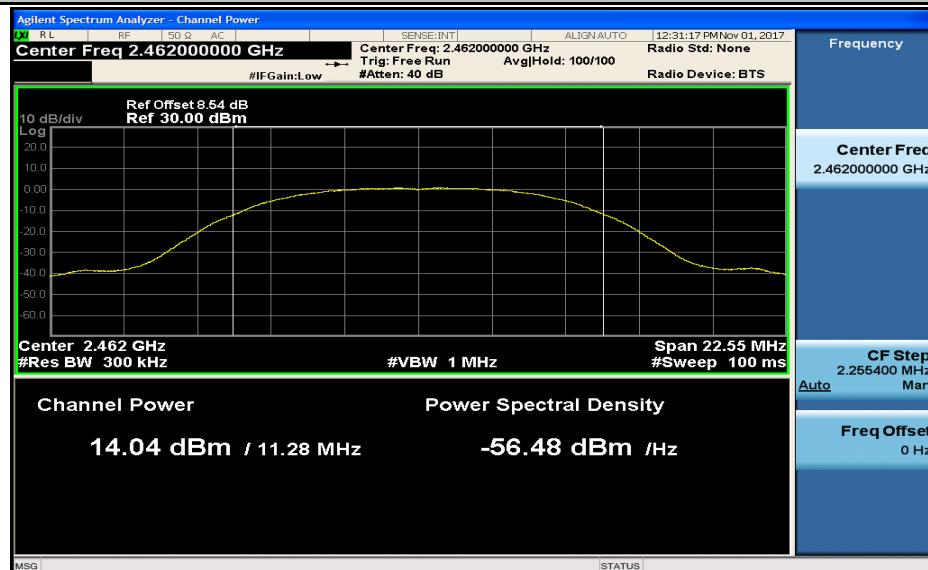
Maximum conducted (average) output power_11B_2412

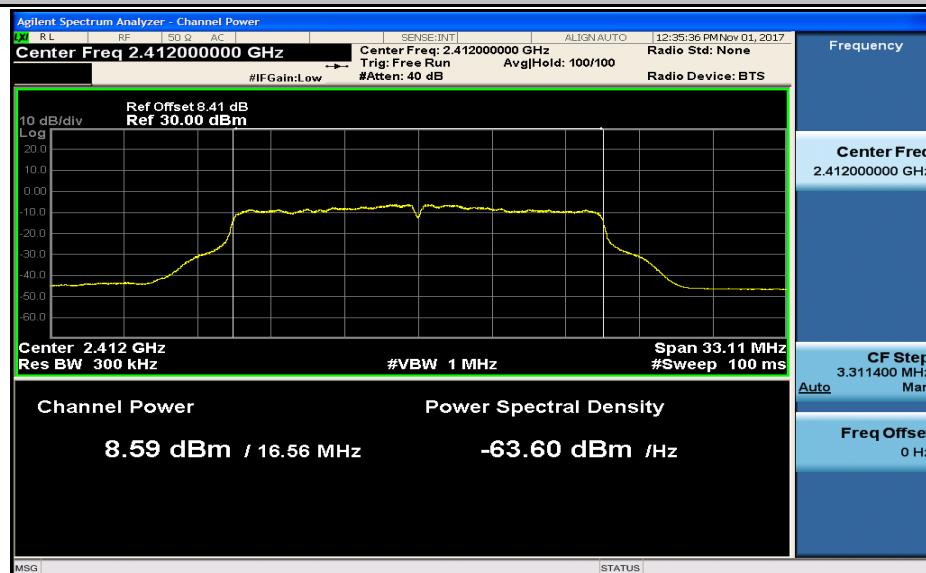
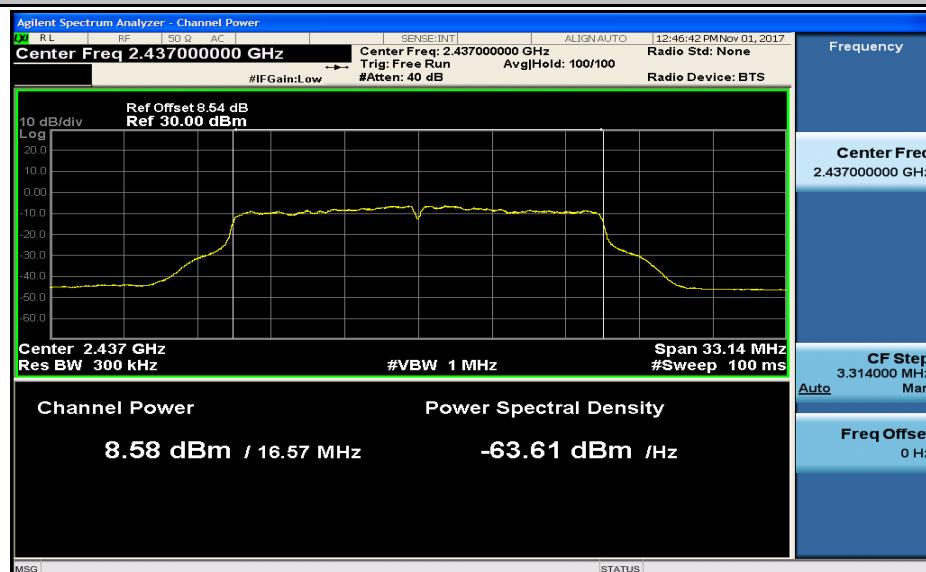
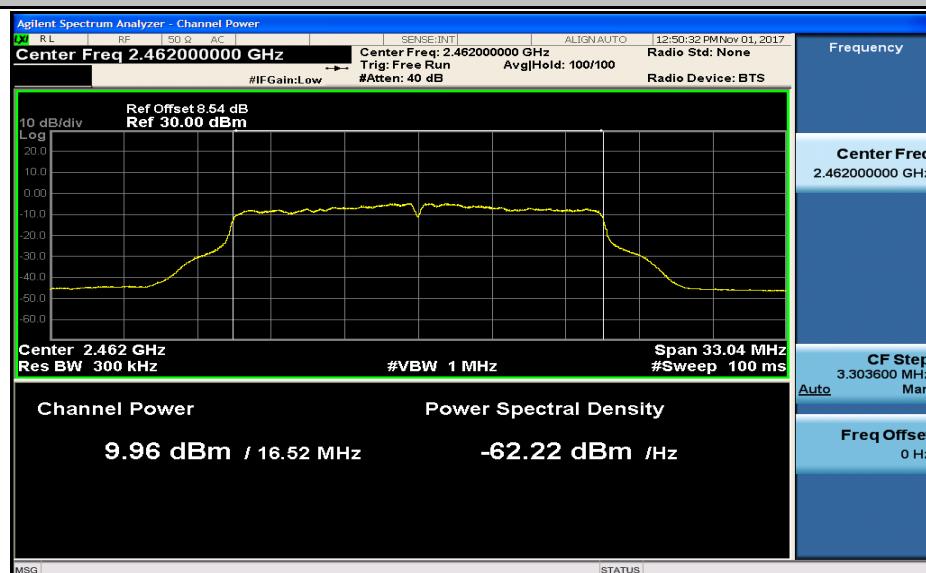


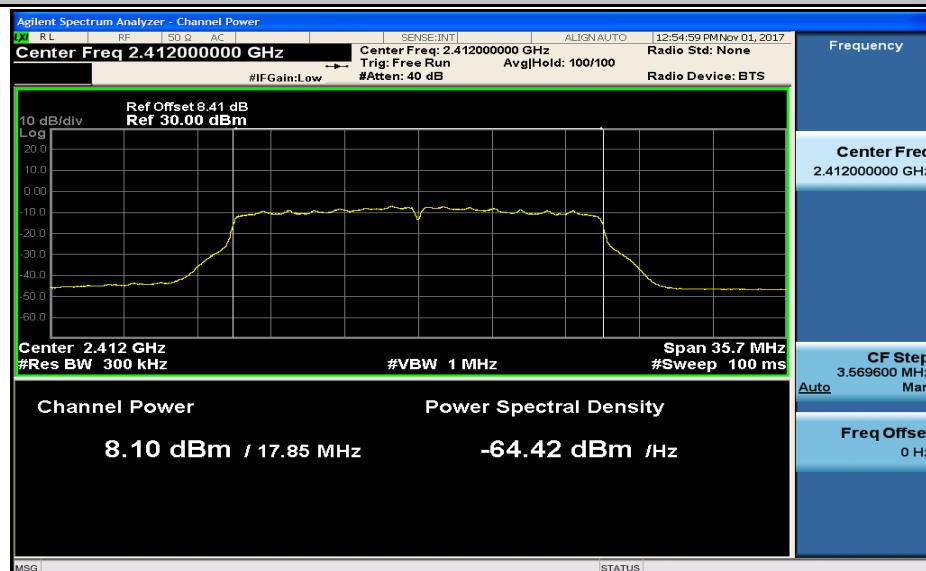
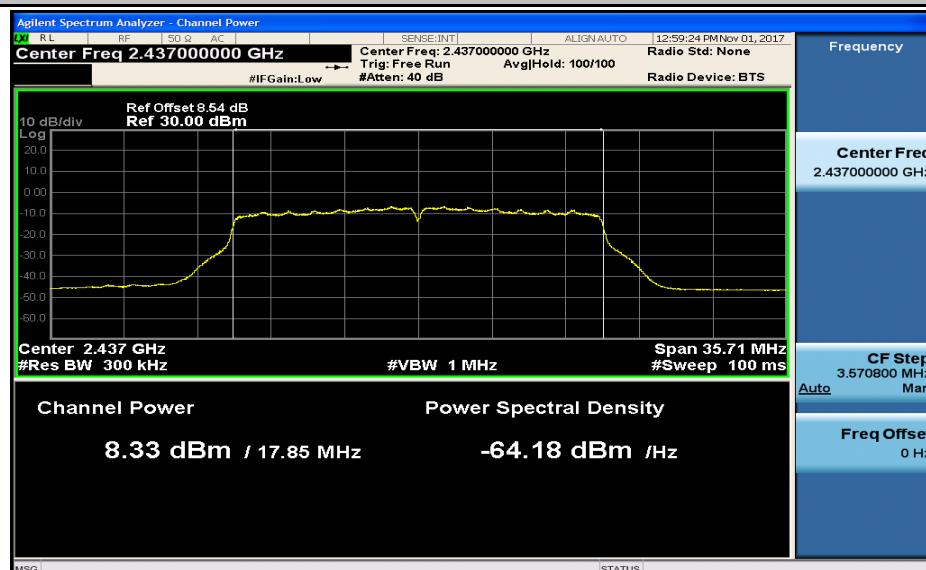
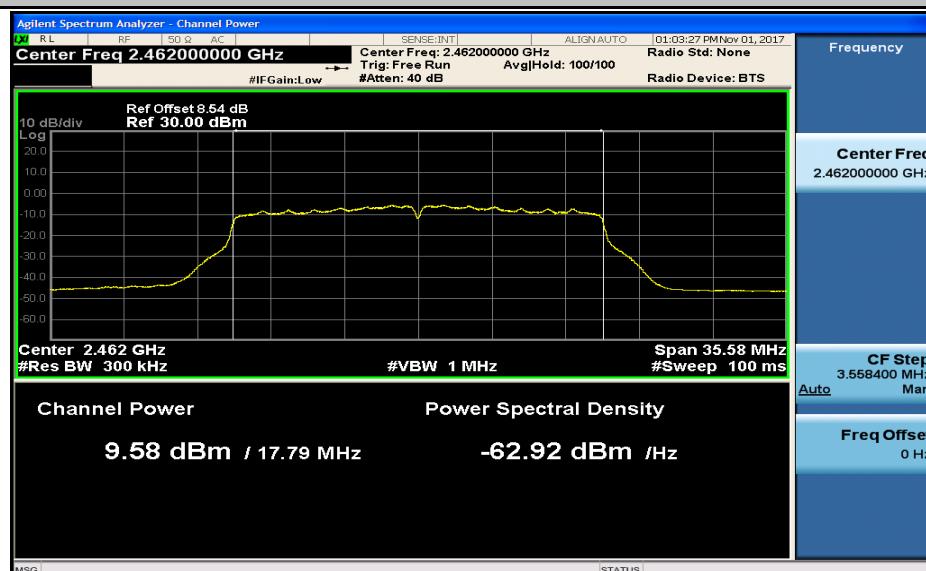
Maximum conducted (average) output power_11B_2437

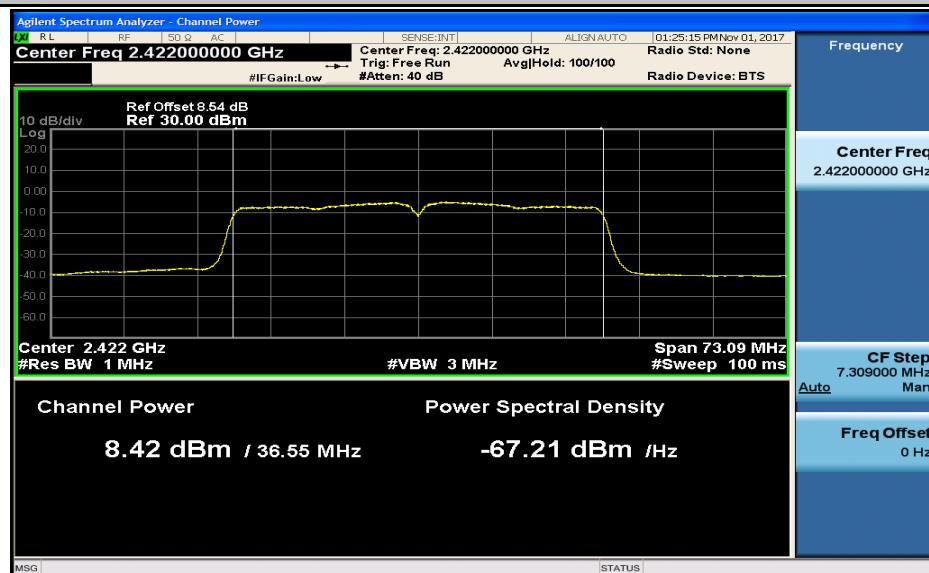
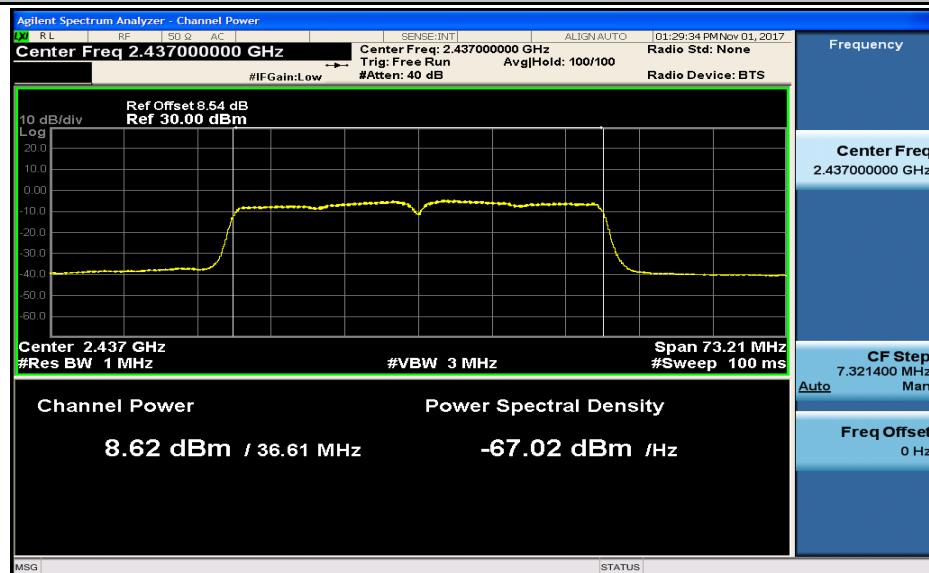
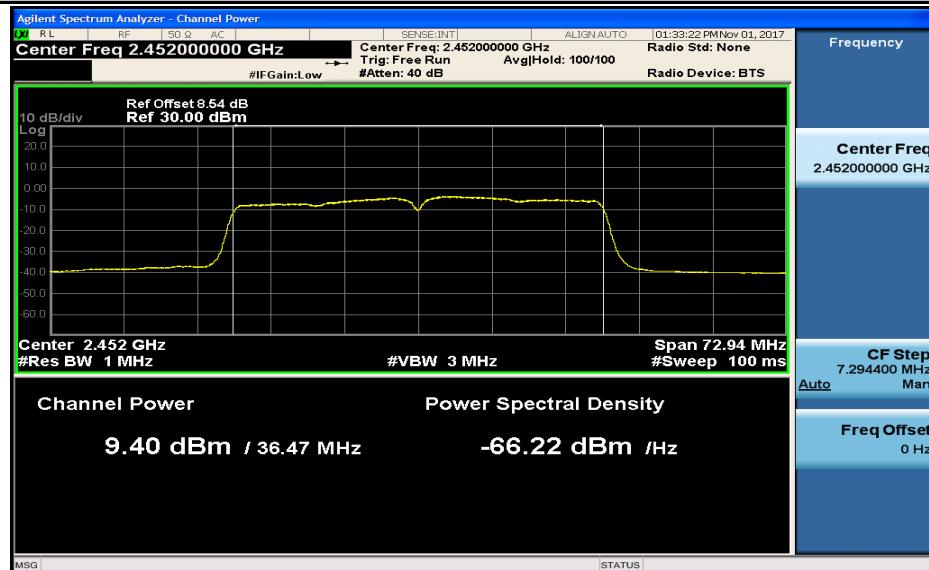


Maximum conducted (average) output power_11B_2462



Maximum conducted (average) output power_11G_2412**Maximum conducted (average) output power_11G_2437****Maximum conducted (average) output power_11G_2462**

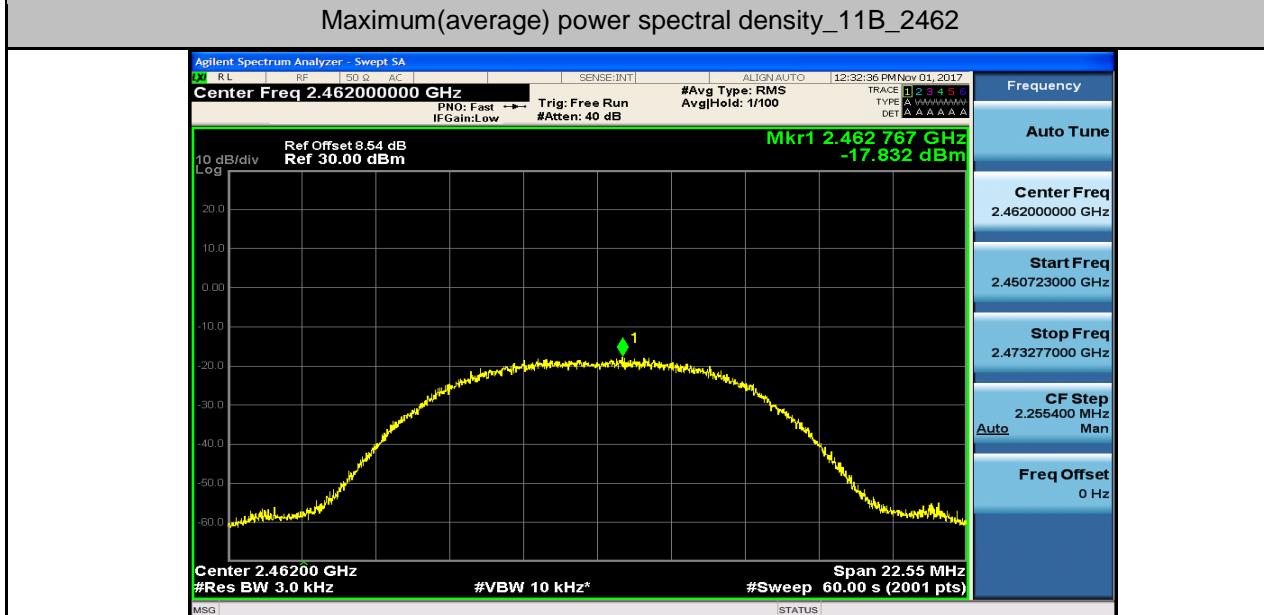
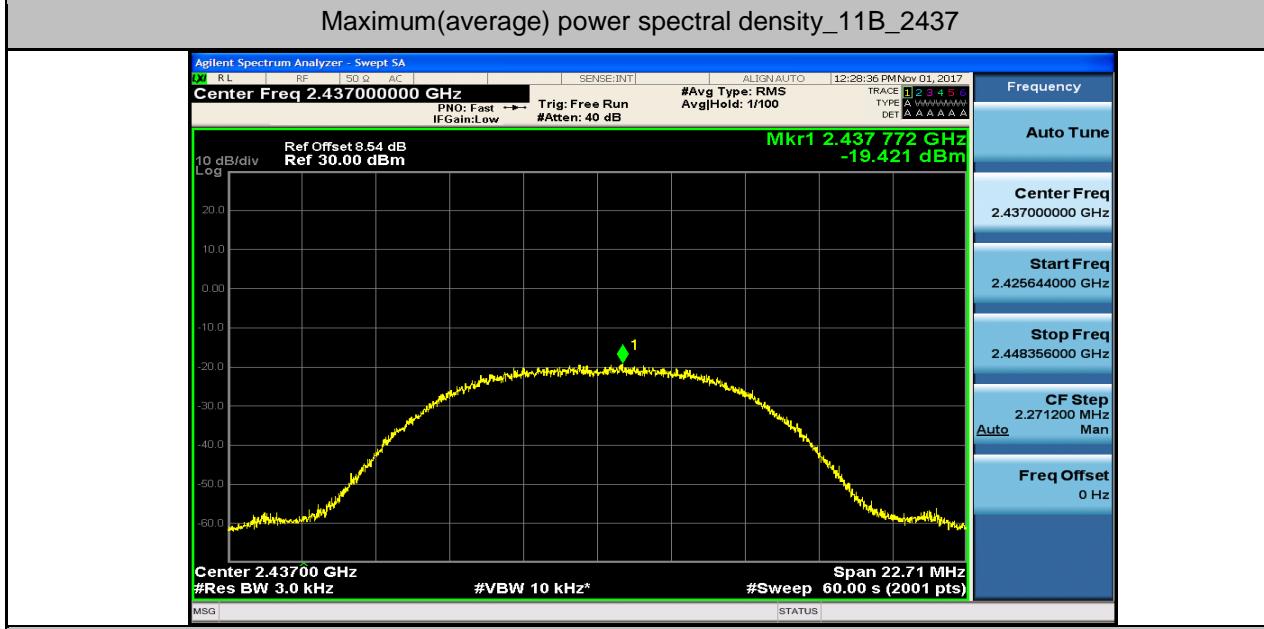
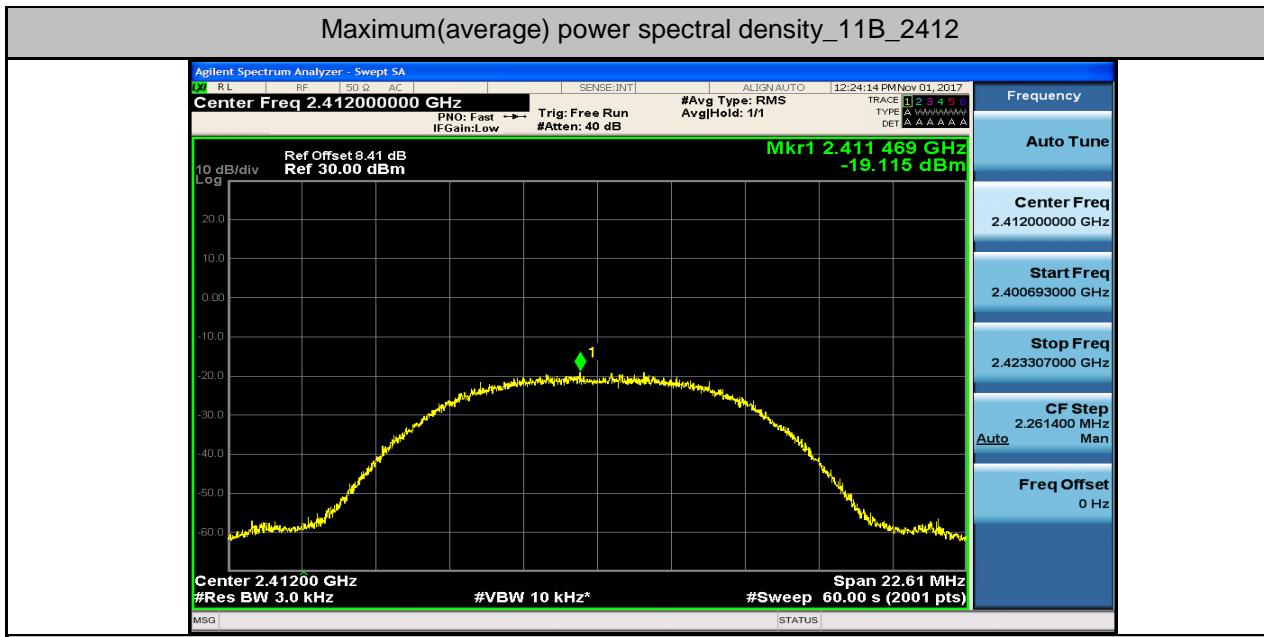
Maximum conducted (average) output power_11N20SISO_2412**Maximum conducted (average) output power_11N20SISO_2437****Maximum conducted (average) output power_11N20SISO_2462**

Maximum conducted (average) output power_11N40SISO_2422**Maximum conducted (average) output power_11N40SISO_2437****Maximum conducted (average) output power_11N40SISO_2452**

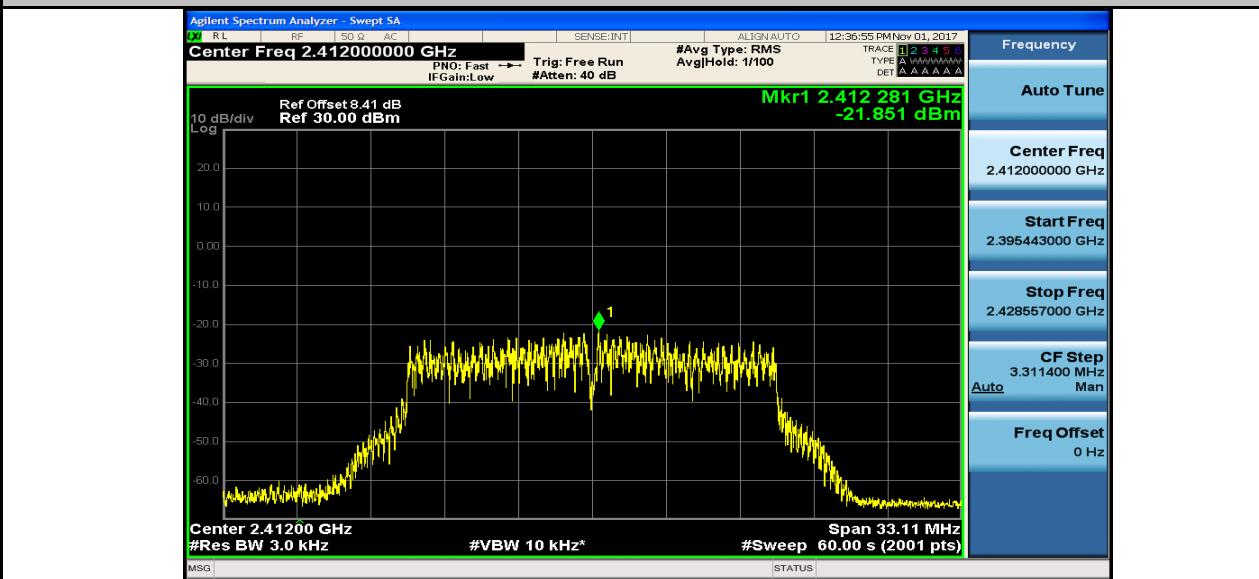


4. Maximum(average) power spectral density

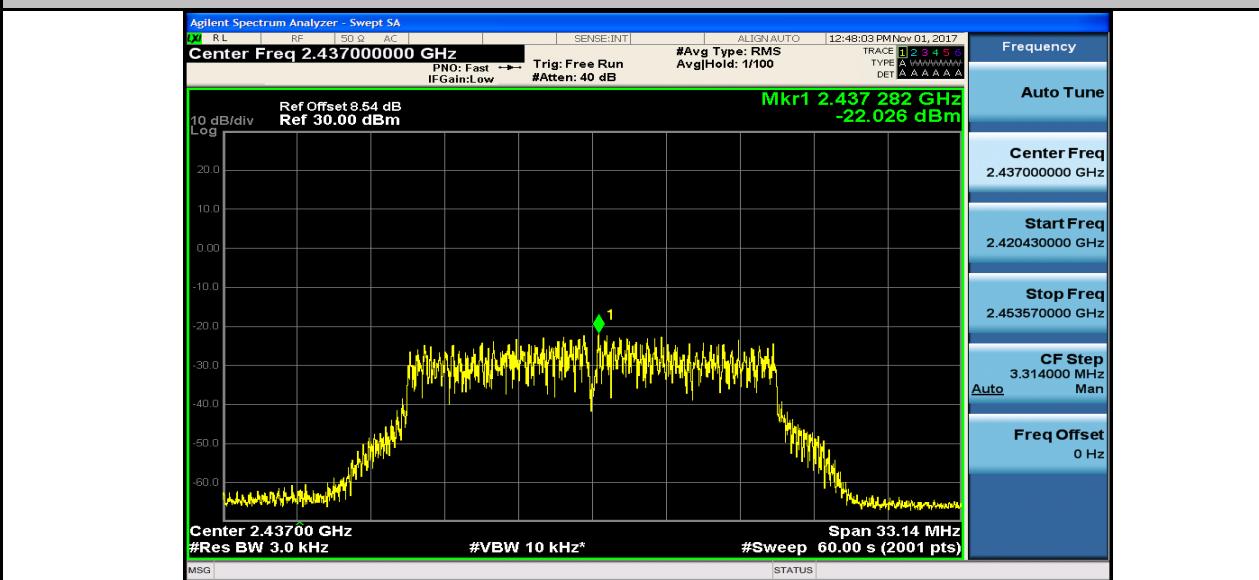
Test Mode	Test Channel	Ant	Level [dBm/3KHz]	10log(1/x) Factor[dB]	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	2412	Ant1	-19.115	0.5	-18.615	8.00	PASS
11B	2437	Ant1	-19.421	0.5	-18.921	8.00	PASS
11B	2462	Ant1	-17.832	0.48	-17.352	8.00	PASS
11G	2412	Ant1	-21.851	2.15	-19.701	8.00	PASS
11G	2437	Ant1	-22.026	2.15	-19.876	8.00	PASS
11G	2462	Ant1	-20.315	2.15	-18.165	8.00	PASS
11N20SISO	2412	Ant1	-22.179	2.22	-19.959	8.00	PASS
11N20SISO	2437	Ant1	-22.334	2.26	-20.074	8.00	PASS
11N20SISO	2462	Ant1	-21.407	2.29	-19.117	8.00	PASS
11N40SISO	2422	Ant1	-25.804	2.69	-23.114	8.00	PASS
11N40SISO	2437	Ant1	-25.632	2.69	-22.942	8.00	PASS
11N40SISO	2452	Ant1	-24.78	2.69	-22.09	8.00	PASS



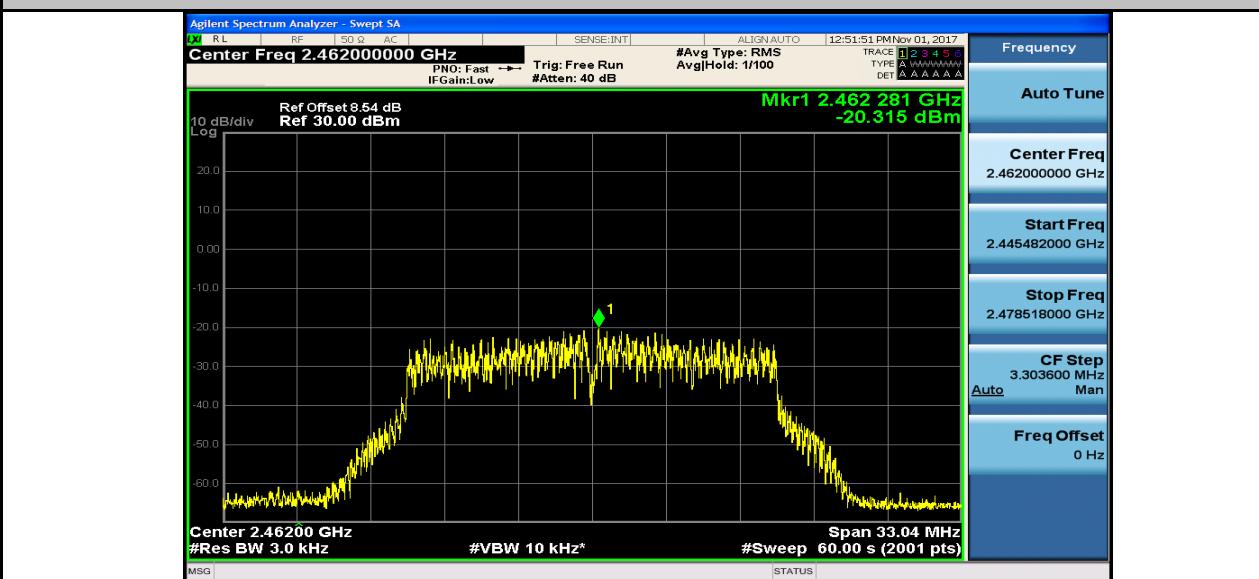
Maximum(average) power spectral density_11G_2412



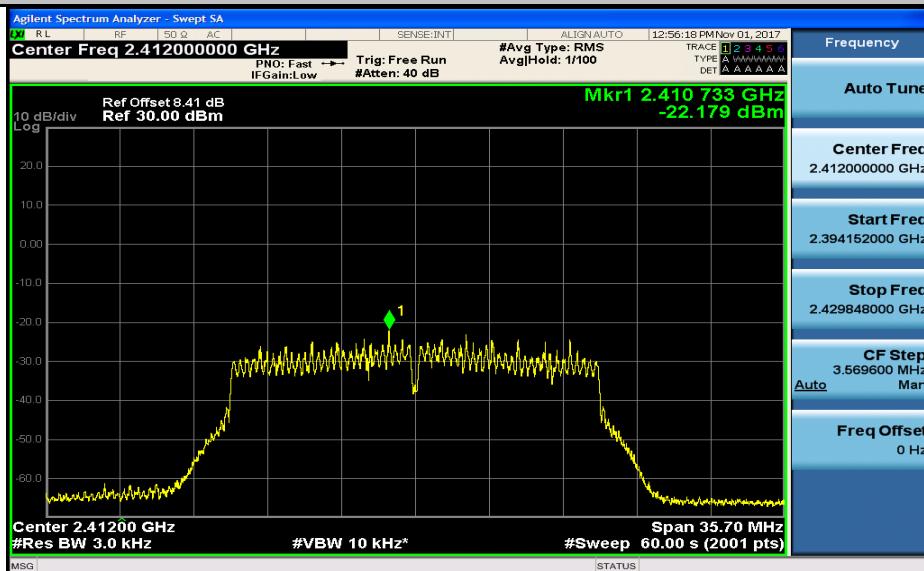
Maximum(average) power spectral density_11G_2437



Maximum(average) power spectral density_11G_2462



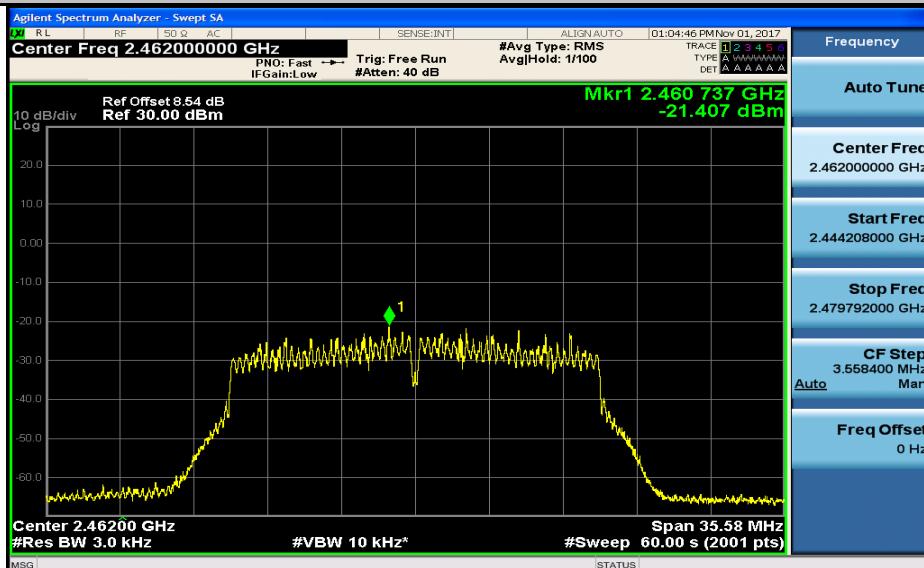
Maximum(average) power spectral density_11N20SISO_2412



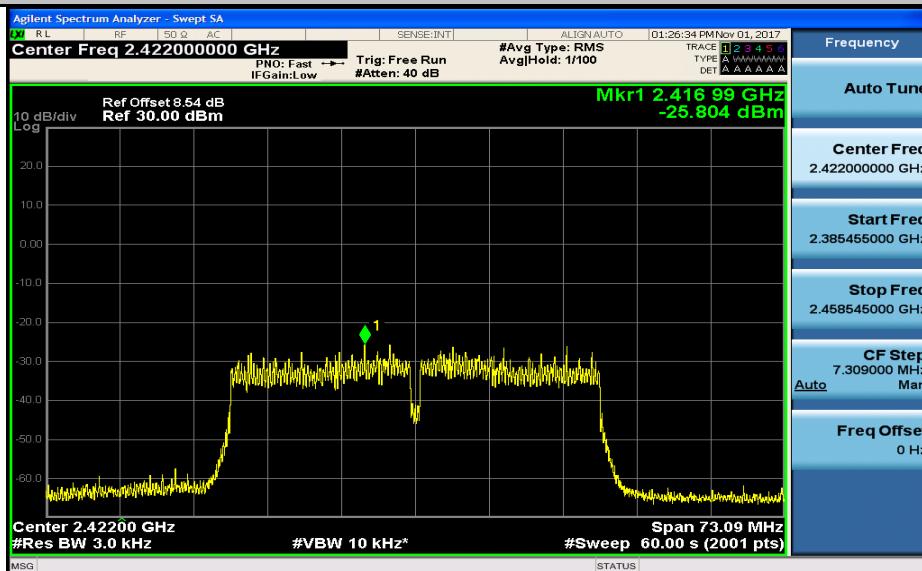
Maximum(average) power spectral density_11N20SISO_2437



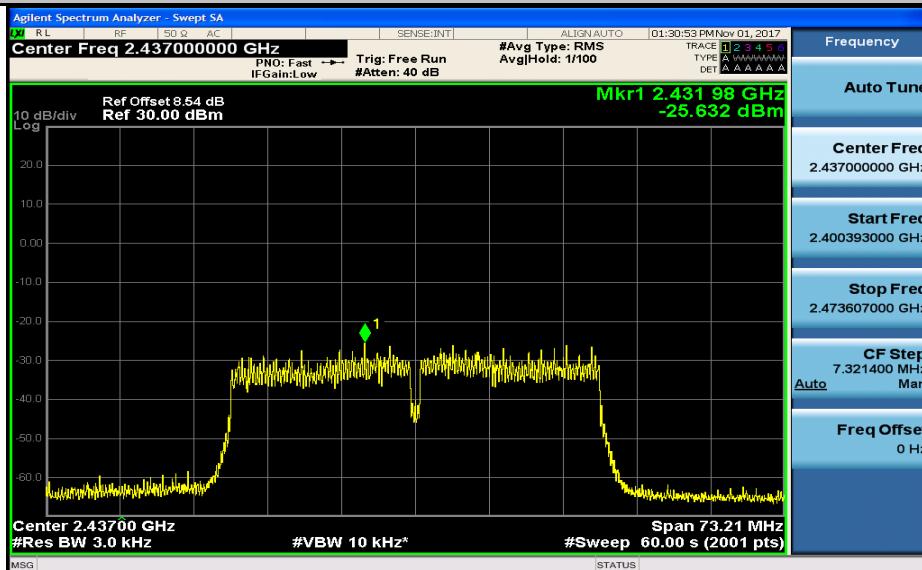
Maximum(average) power spectral density_11N20SISO_2462



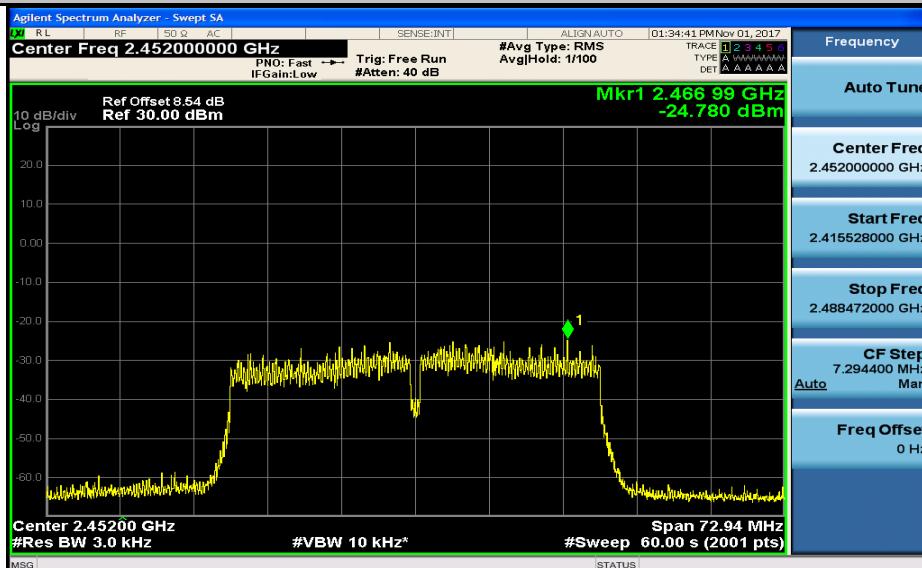
Maximum(average) power spectral density_11N40SISO_2422



Maximum(average) power spectral density_11N40SISO_2437



Maximum(average) power spectral density_11N40SISO_2452

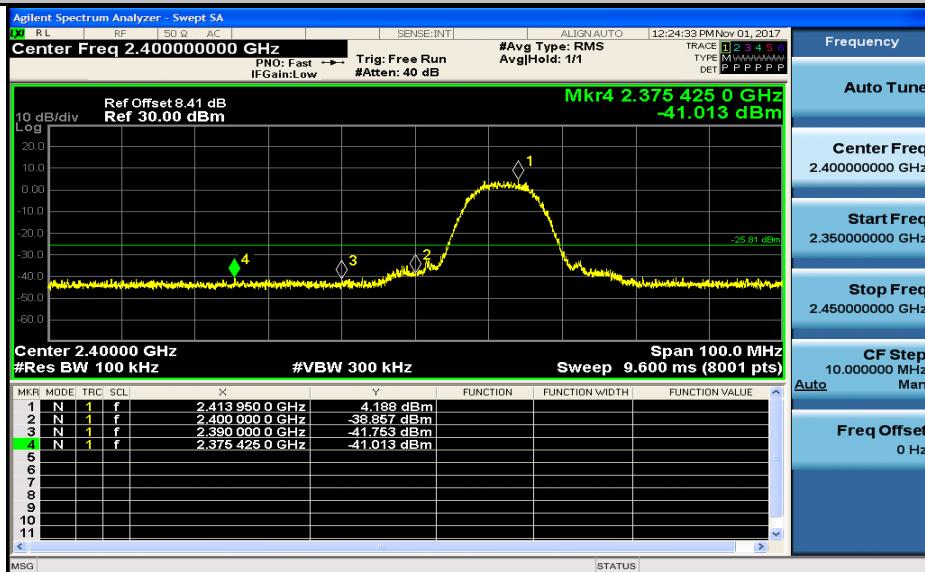




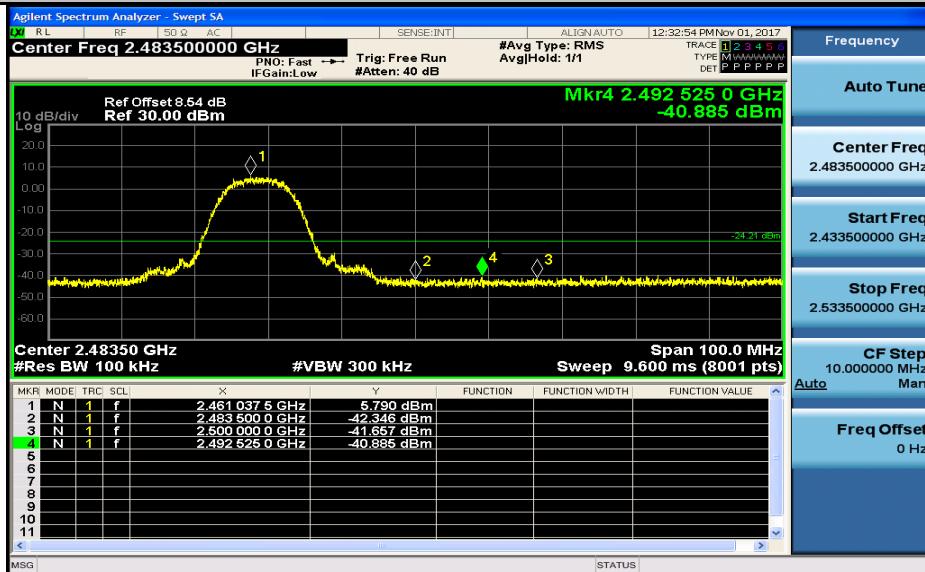
5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	4.188	-41.013	-25.81	PASS
11B	2462	Ant1	5.790	-40.885	-24.21	PASS
11G	2412	Ant1	-0.837	-40.530	-30.84	PASS
11G	2462	Ant1	0.943	-40.309	-29.06	PASS
11N20SISO	2412	Ant1	-0.789	-40.383	-30.79	PASS
11N20SISO	2462	Ant1	0.872	-39.740	-29.13	PASS
11N40SISO	2422	Ant1	-2.694	-34.275	-32.69	PASS
11N40SISO	2452	Ant1	-1.120	-37.687	-31.12	PASS

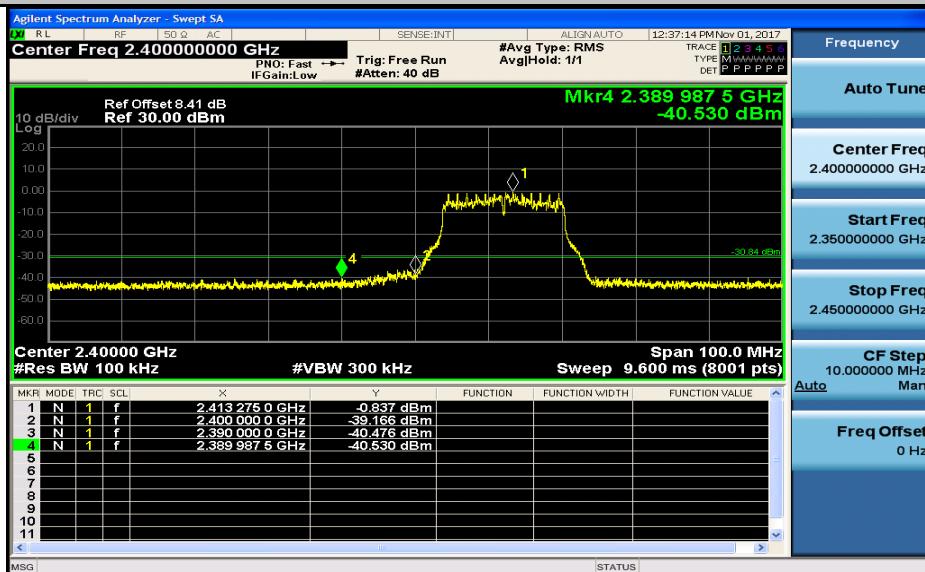
Band-edge for RF Conducted Emissions_11B_2412_Ant1



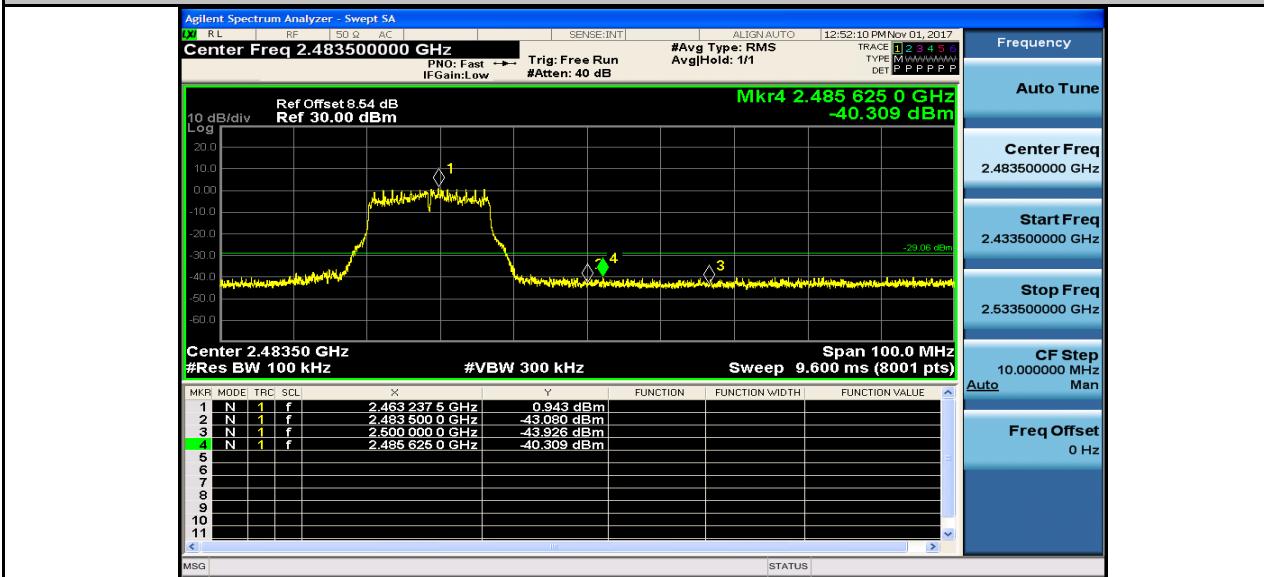
Band-edge for RF Conducted Emissions_11B_2462_Ant1



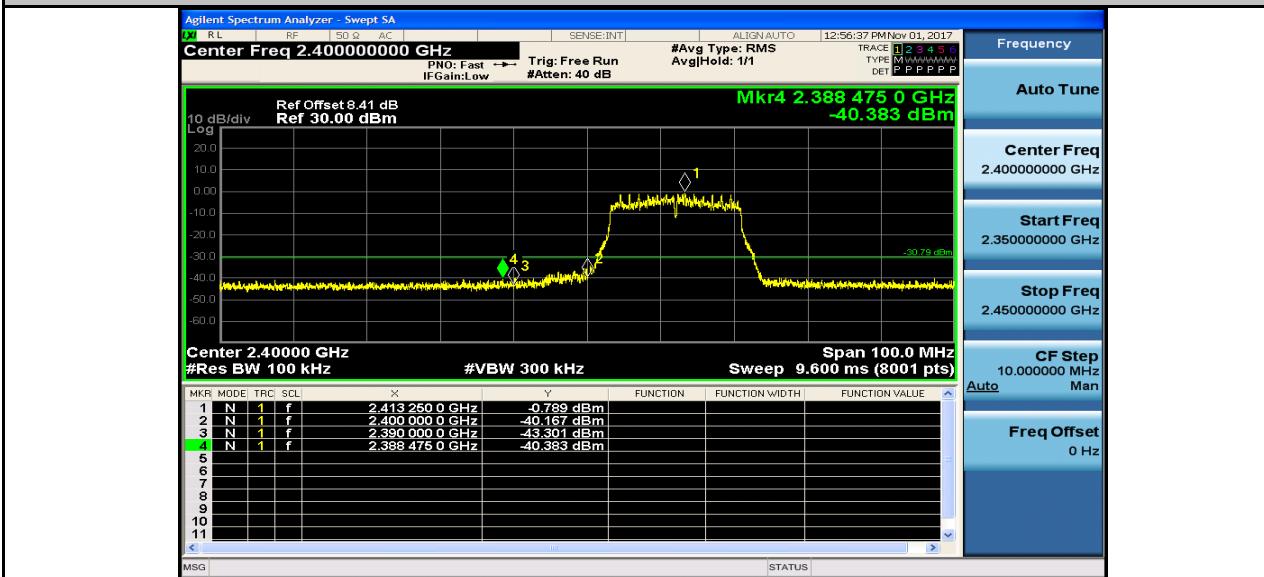
Band-edge for RF Conducted Emissions_11G_2412_Ant1



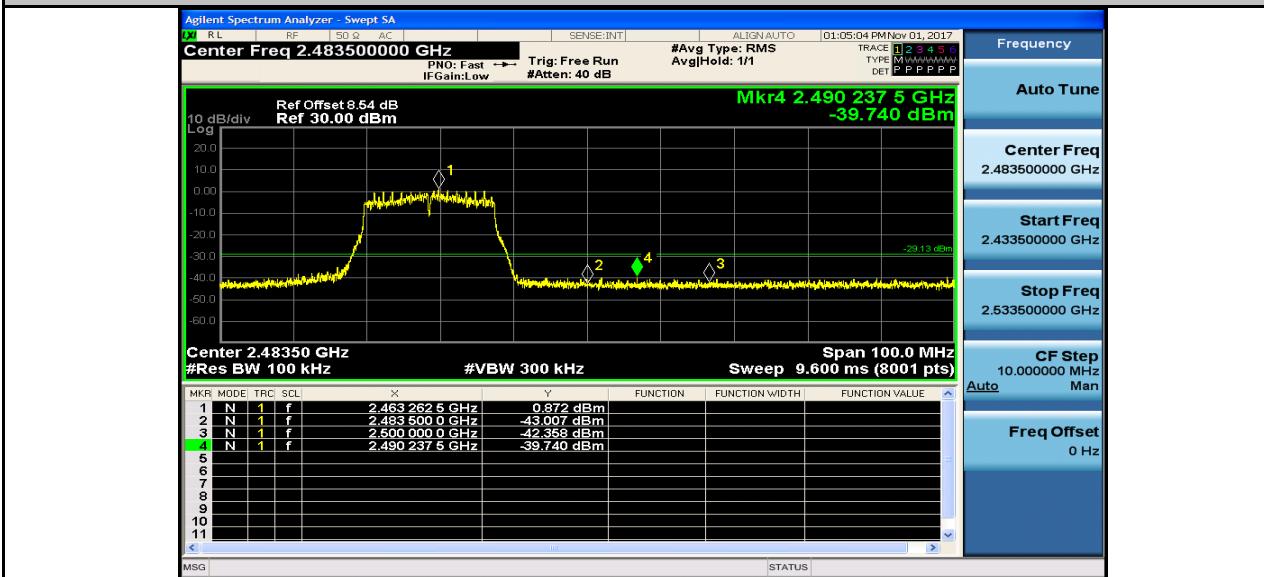
Band-edge for RF Conducted Emissions_11G_2462_Ant1



Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



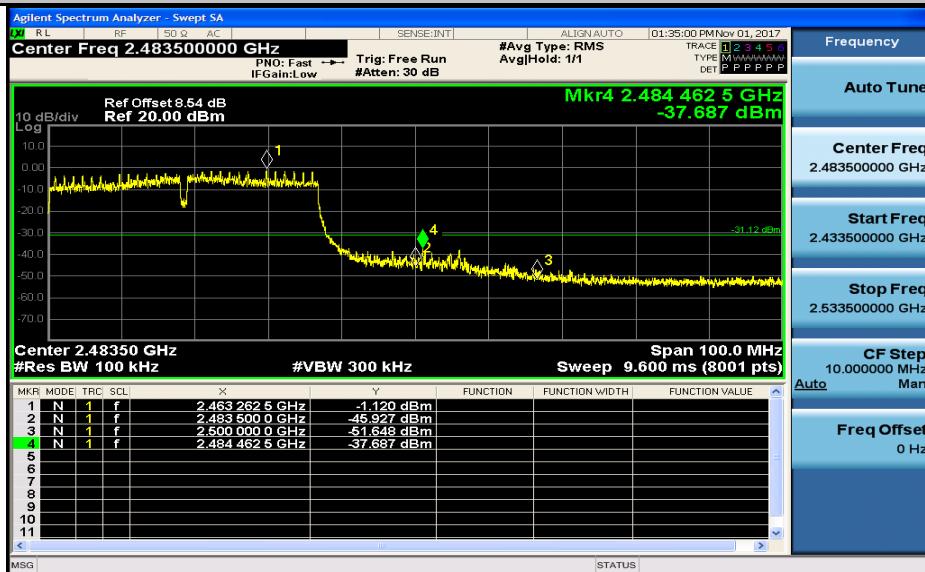
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2422_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2452_Ant1





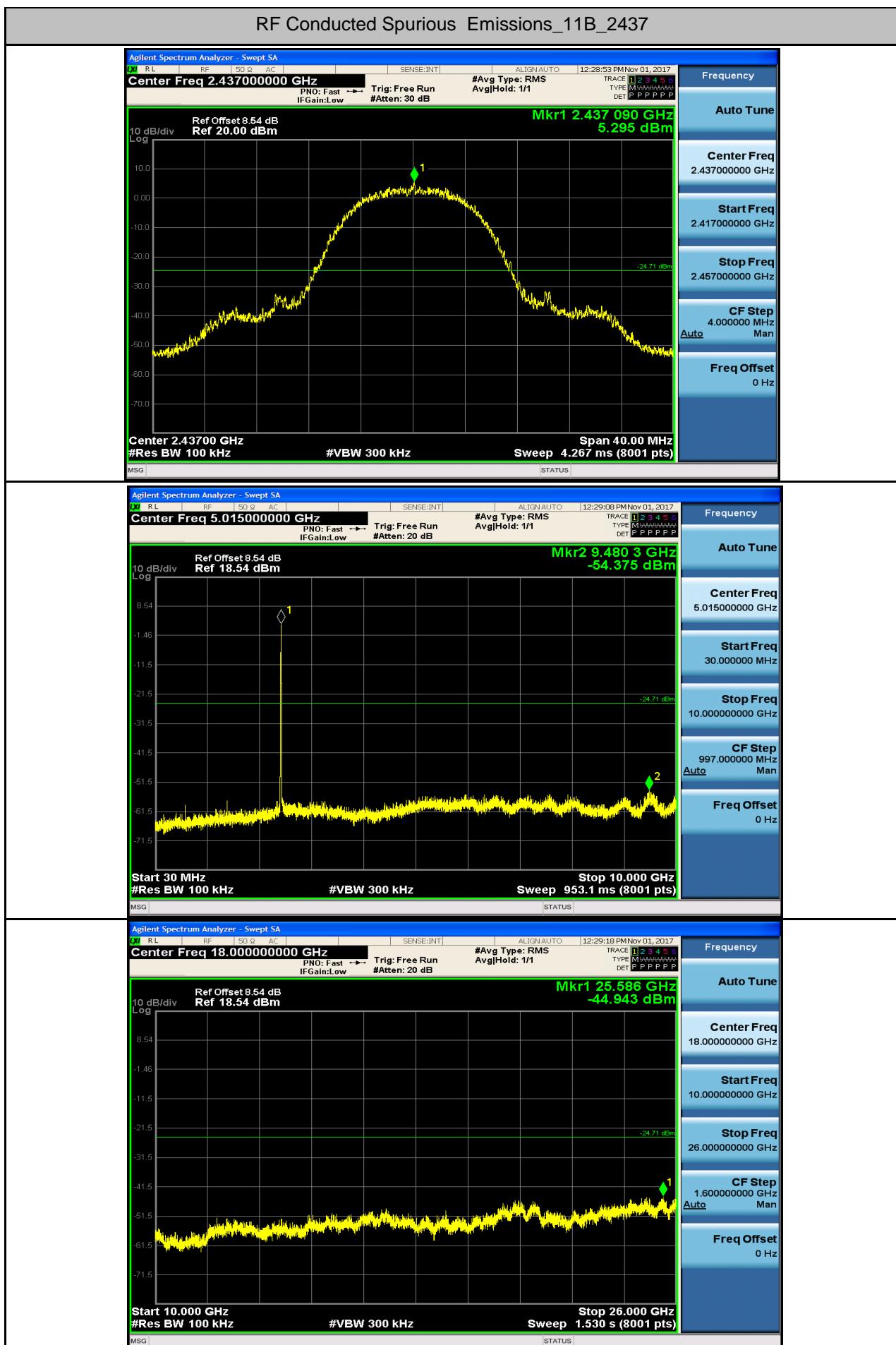
6.RF Conducted Spurious Emissions

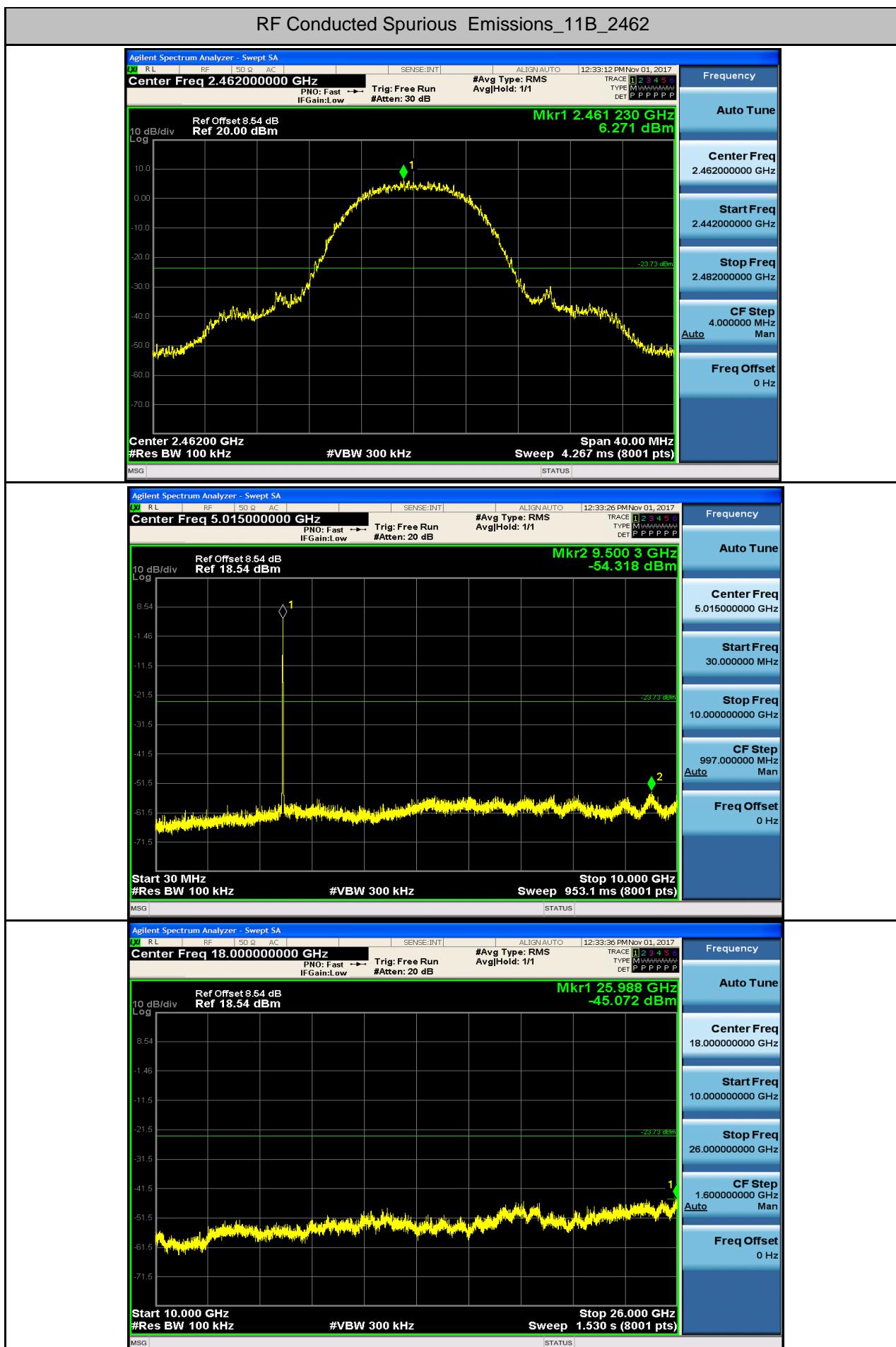
Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	30	10000	100	300	4.204	-54.561	<- 25.796	PASS
11B	2412	Ant1	10000	26000	100	300	4.204	-44.678	<- 25.796	PASS
11B	2437	Ant1	30	10000	100	300	5.295	-54.375	<- 24.705	PASS
11B	2437	Ant1	10000	26000	100	300	5.295	-44.943	<- 24.705	PASS
11B	2462	Ant1	30	10000	100	300	6.271	-54.318	<- 23.729	PASS
11B	2462	Ant1	10000	26000	100	300	6.271	-45.072	<- 23.729	PASS
11G	2412	Ant1	30	10000	100	300	-0.798	-55.146	<- 30.798	PASS
11G	2412	Ant1	10000	26000	100	300	-0.798	-44.702	<- 30.798	PASS
11G	2437	Ant1	30	10000	100	300	-0.763	-52.814	<- 30.763	PASS
11G	2437	Ant1	10000	26000	100	300	-0.763	-44.447	<- 30.763	PASS
11G	2462	Ant1	30	10000	100	300	0.833	-54.954	<- 29.167	PASS
11G	2462	Ant1	10000	26000	100	300	0.833	-43.418	<- 29.167	PASS
11N20SISO	2412	Ant1	30	10000	100	300	-0.977	-53.663	<- 30.977	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	-0.977	-45.339	<- 30.977	PASS
11N20SISO	2437	Ant1	30	10000	100	300	-0.609	-54.397	<- 30.609	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	-0.609	-44.207	<- 30.609	PASS
11N20SISO	2462	Ant1	30	10000	100	300	0.776	-54.134	<- 29.224	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	0.776	-44.379	<- 29.224	PASS
11N40SISO	2422	Ant1	30	10000	100	300	-2.792	-54.753	<- 32.792	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	-2.792	-43.863	<- 32.792	PASS
11N40SISO	2437	Ant1	30	10000	100	300	-2.208	-54.590	<- 32.208	PASS
11N40SISO	2437	Ant1	10000	26000	100	300	-2.208	-45.049	<- 32.208	PASS
11N40SISO	2452	Ant1	30	10000	100	300	-1.158	-53.525	<- 31.158	PASS

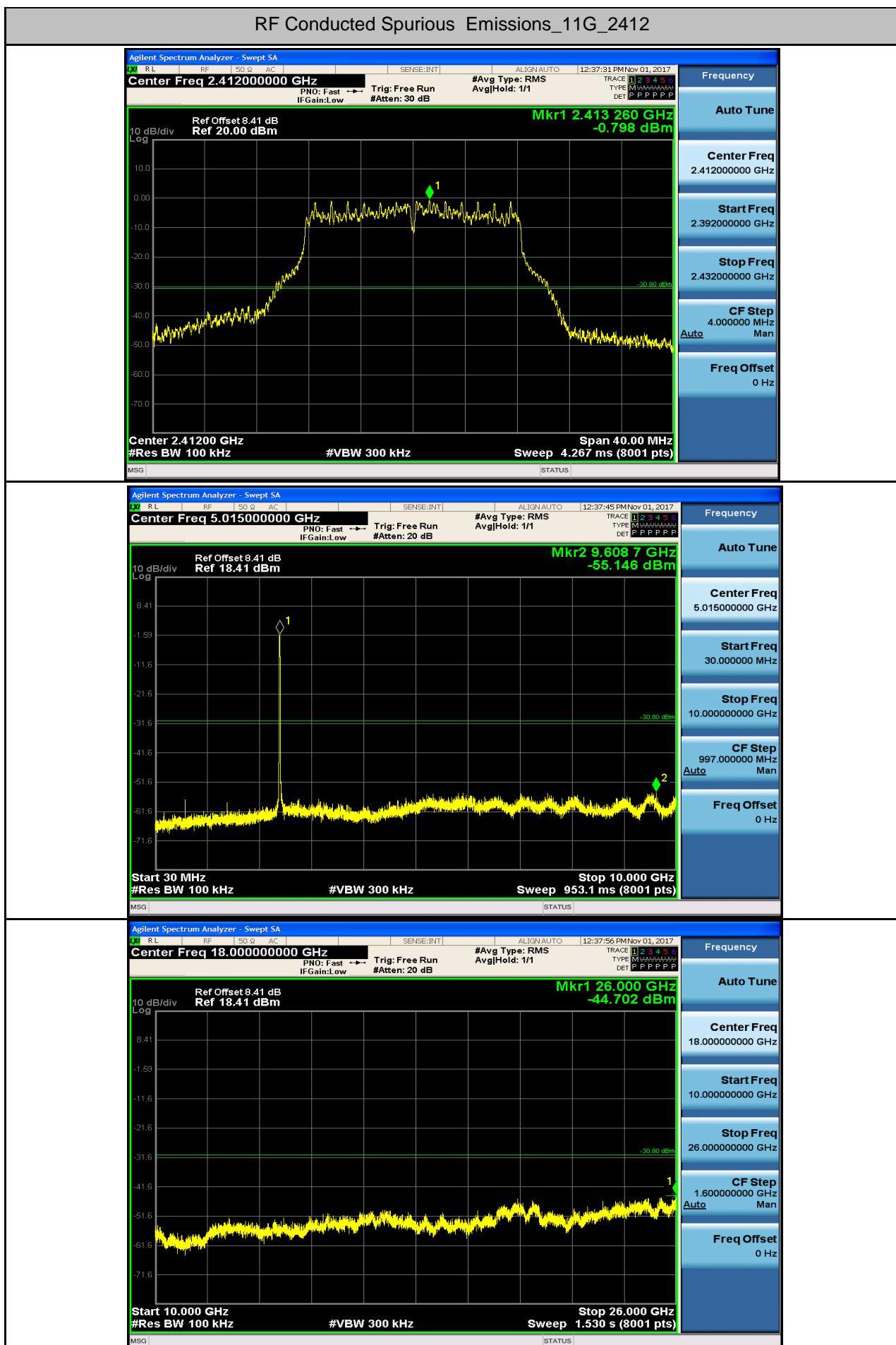


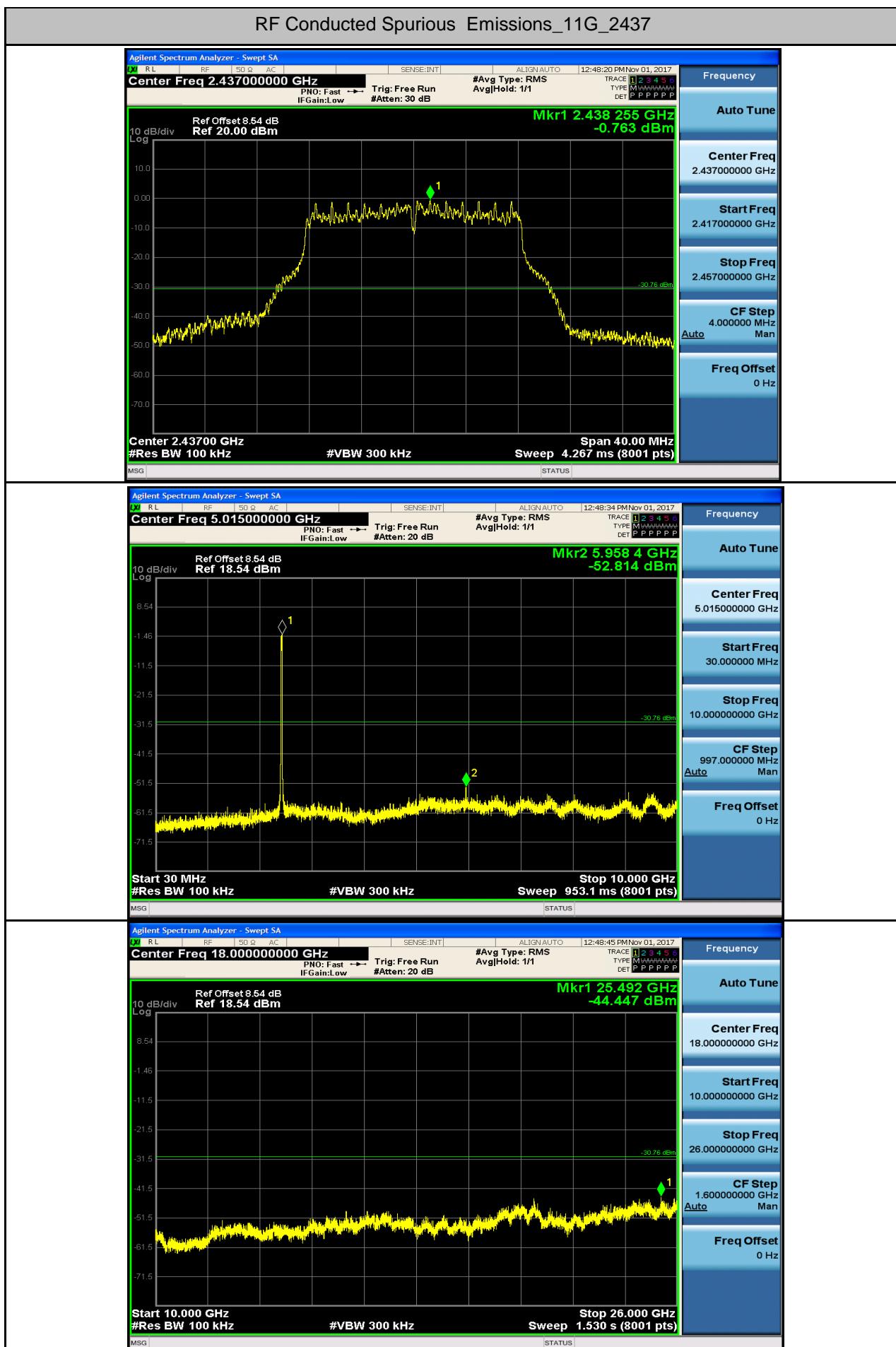
11N40SISO	2452	Ant1	10000	26000	100	300	-1.158	-44.723	< 31.158	PASS
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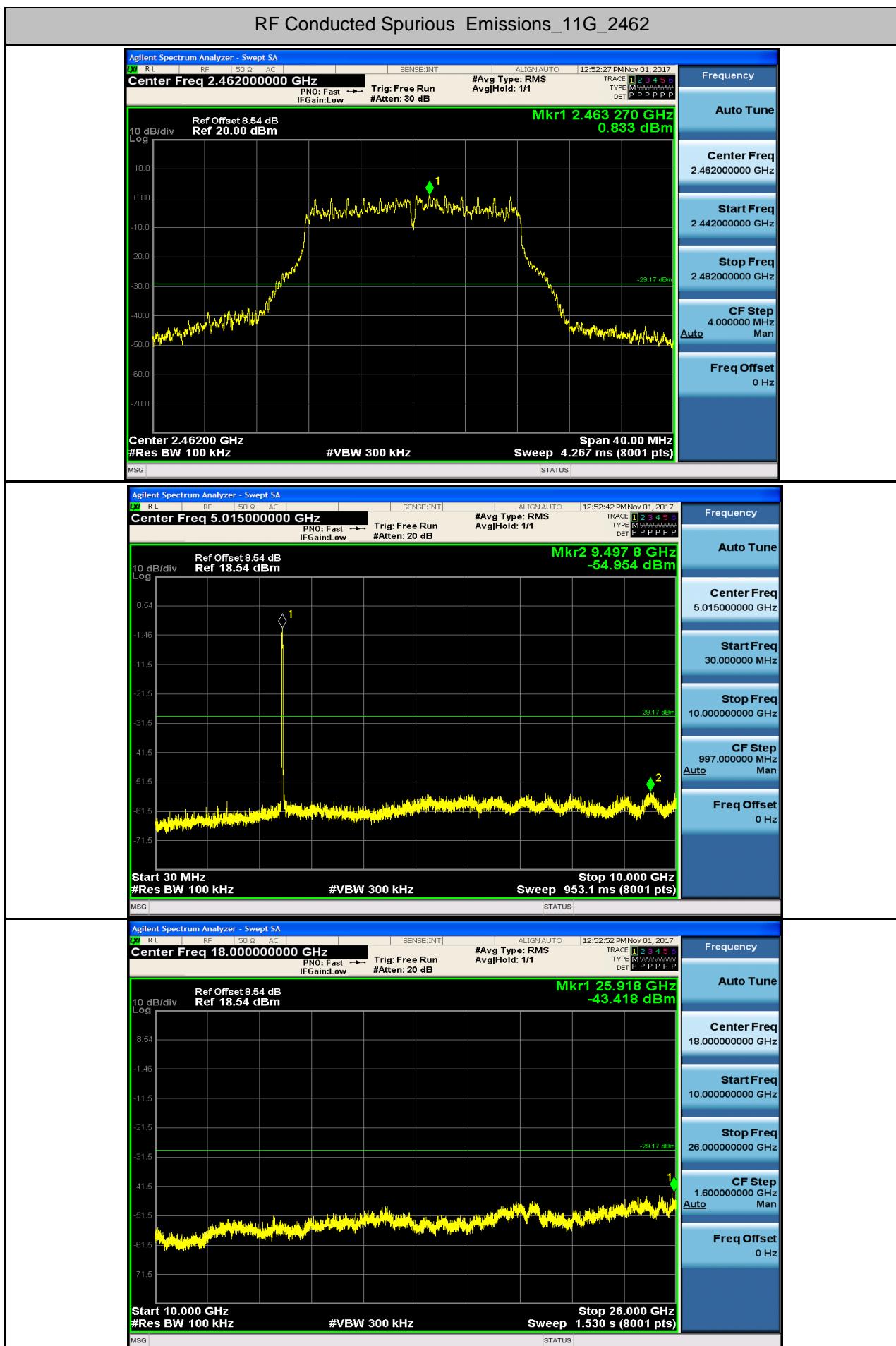


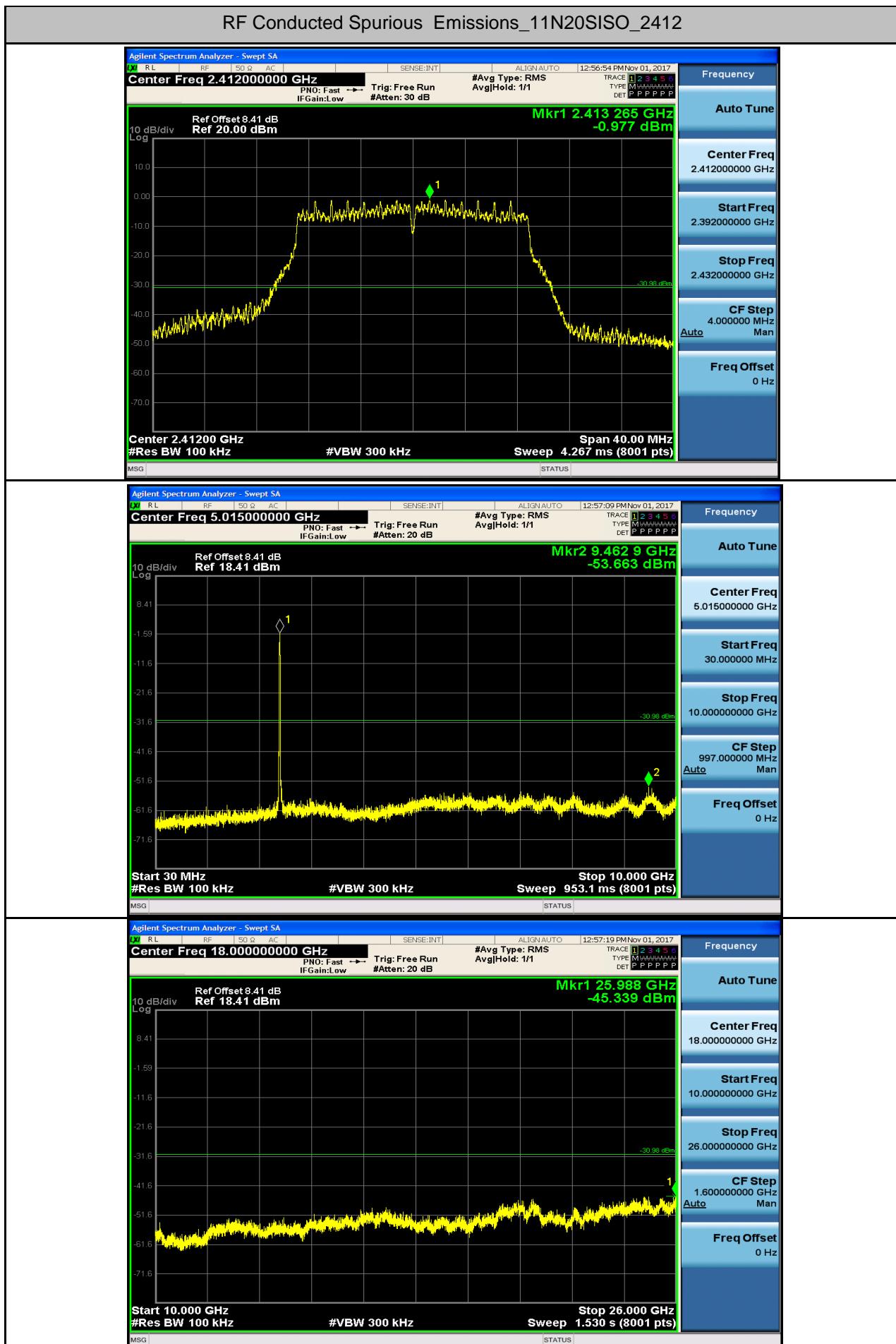


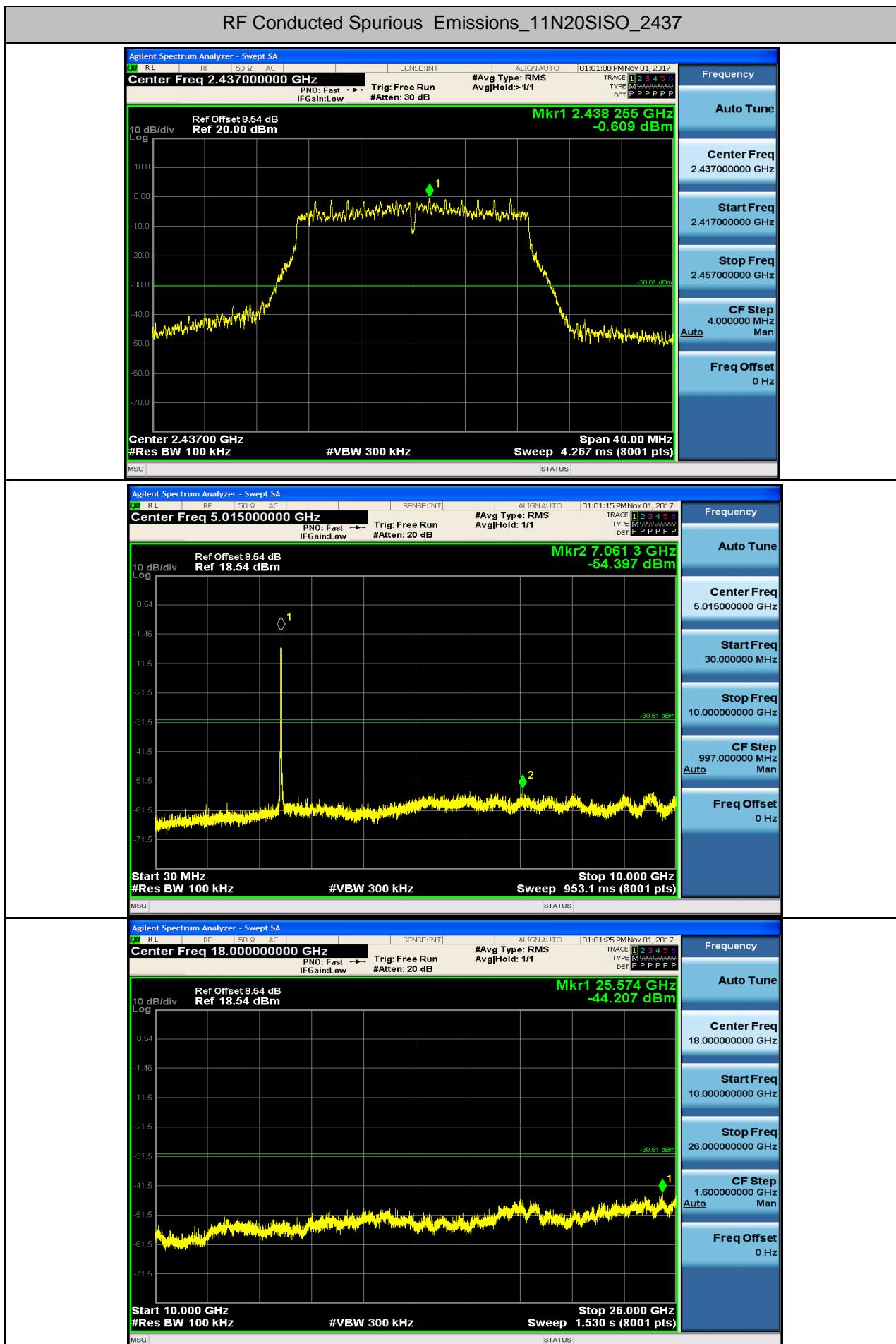


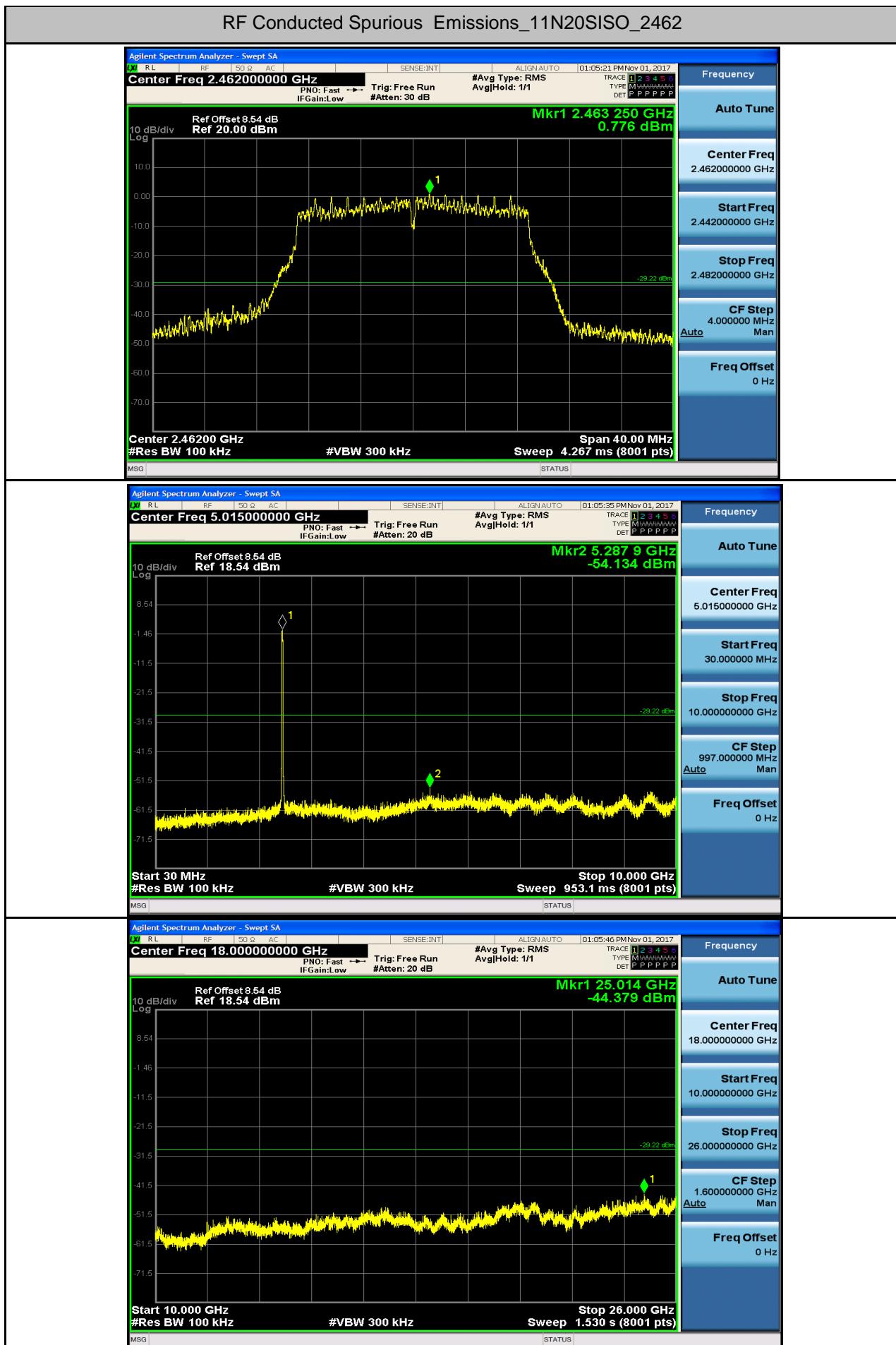


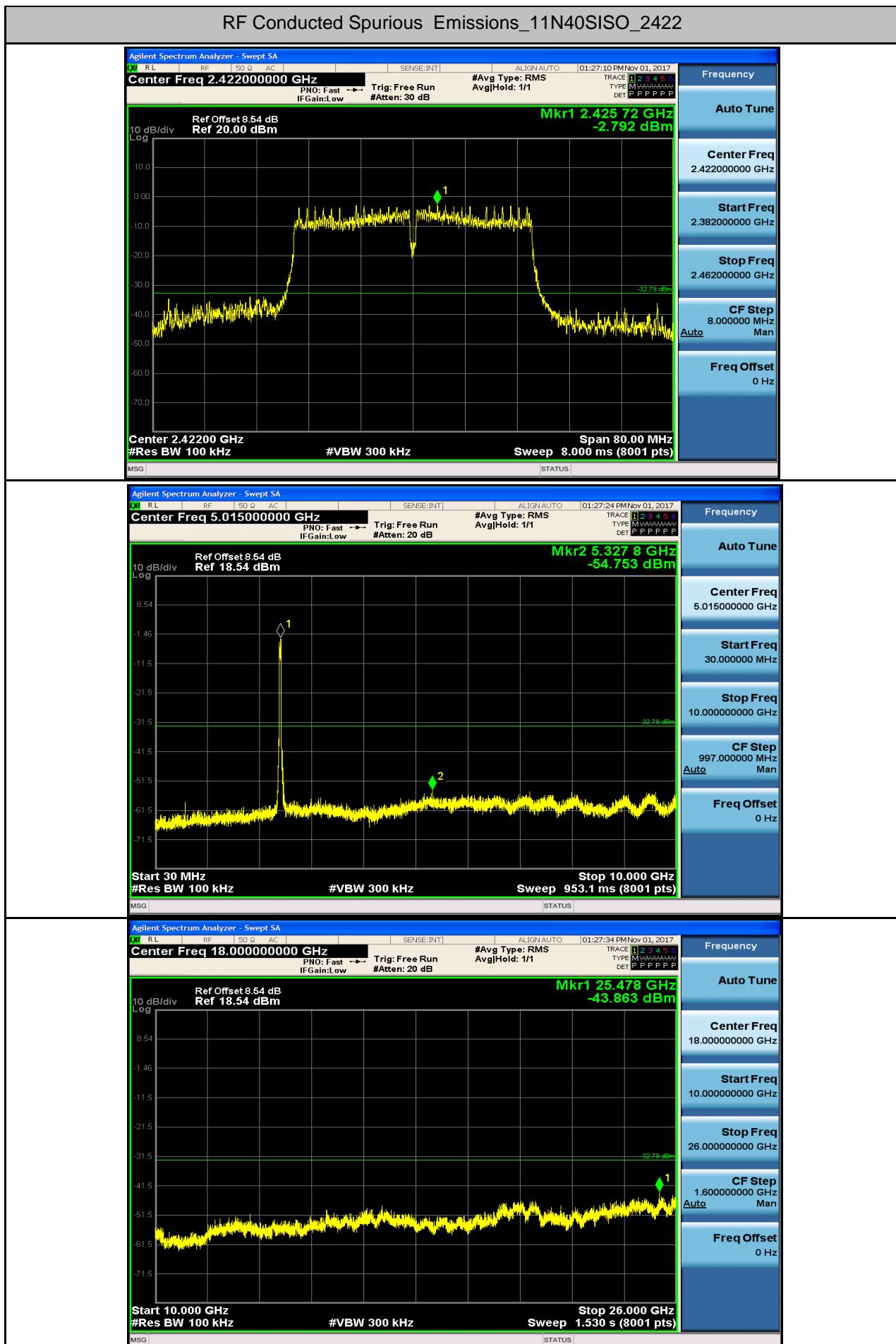


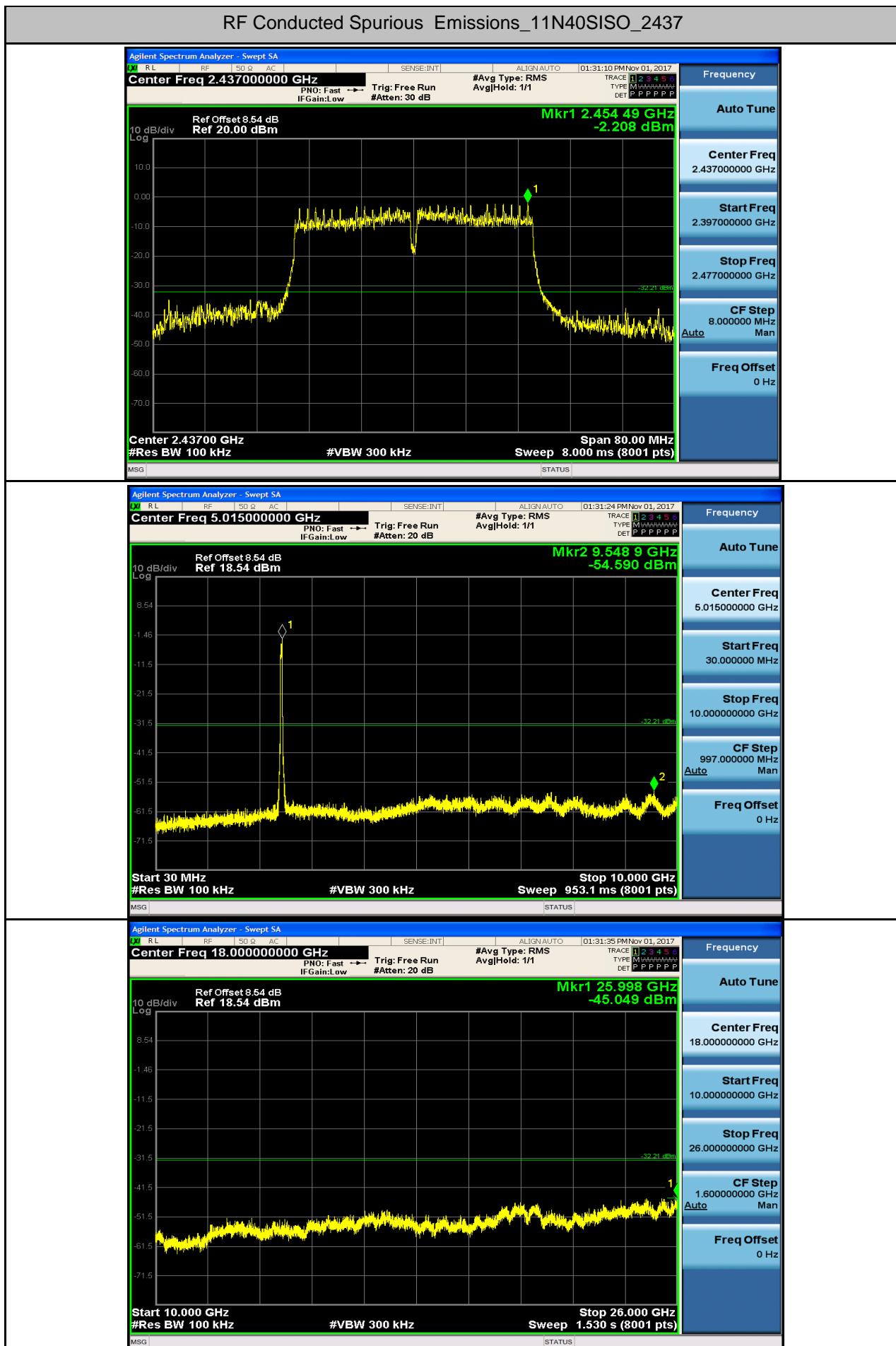












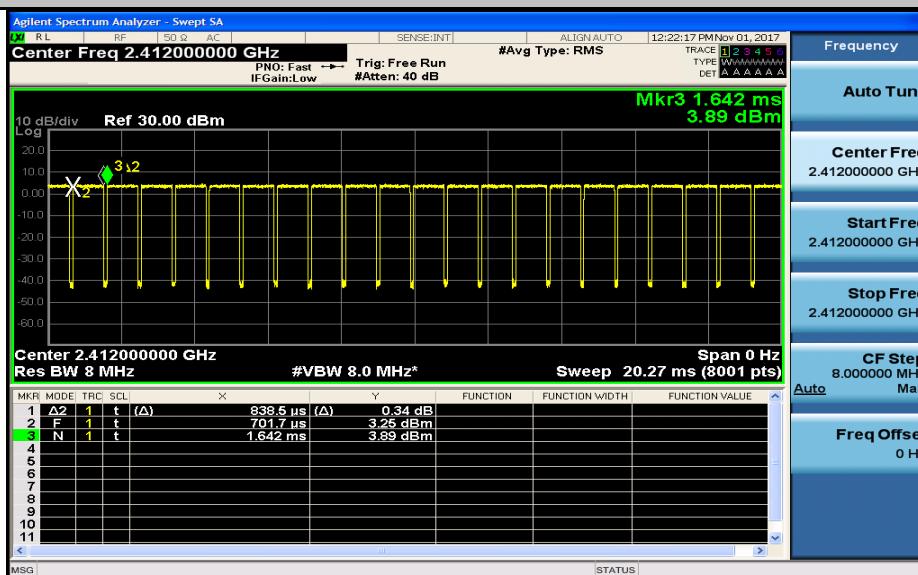




7.Duty Cycle

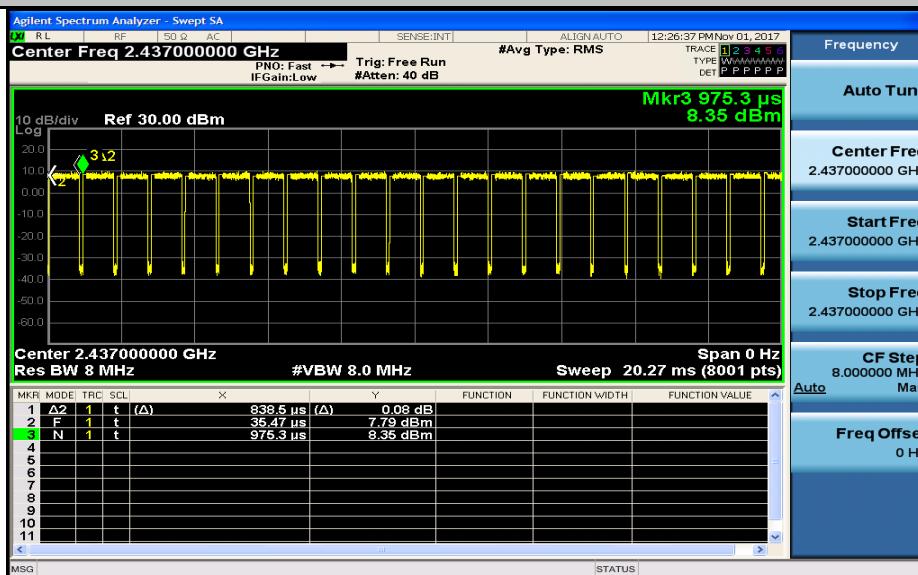
Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	89.22	0.495377810944021
11B	2437	Ant1	89.22	0.495377810944021
11B	2462	Ant1	89.46	0.483711061633618
11G	2412	Ant1	60.91	2.15311400498579
11G	2437	Ant1	60.91	2.15311400498579
11G	2462	Ant1	60.91	2.15311400498579
11N20SISO	2412	Ant1	60	2.21848749616356
11N20SISO	2437	Ant1	59.43	2.25994269741791
11N20SISO	2462	Ant1	59.05	2.28780098050466
11N40SISO	2422	Ant1	53.85	2.68814292366
11N40SISO	2437	Ant1	53.85	2.68814292366
11N40SISO	2452	Ant1	53.85	2.68814292366

Duty Cycle_11B_2412_Ant1



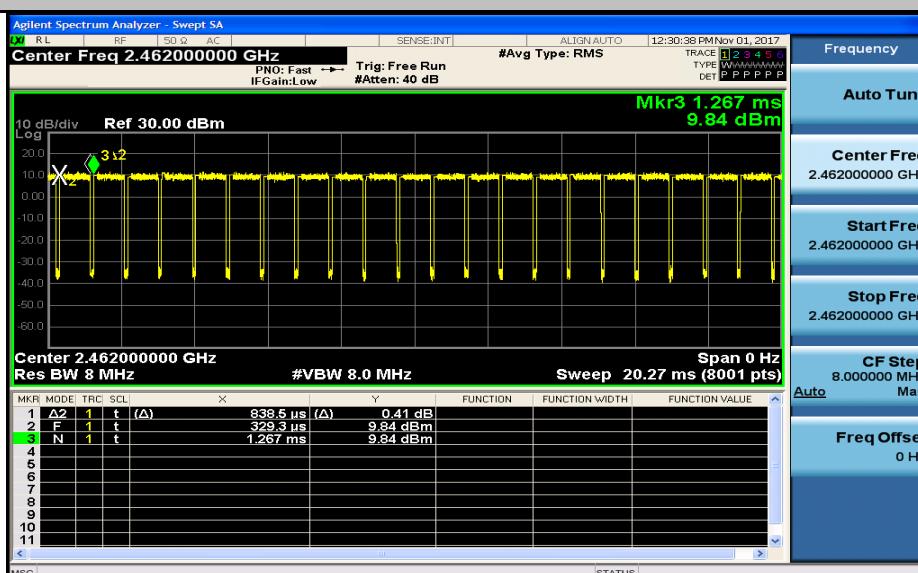
Frequency
Auto Tune
Center Freq 2.412000000 GHz
Start Freq 2.412000000 GHz
Stop Freq 2.412000000 GHz
CF Step 8.000000 MHz Man
Freq Offset 0 Hz

Duty Cycle_11B_2437_Ant1



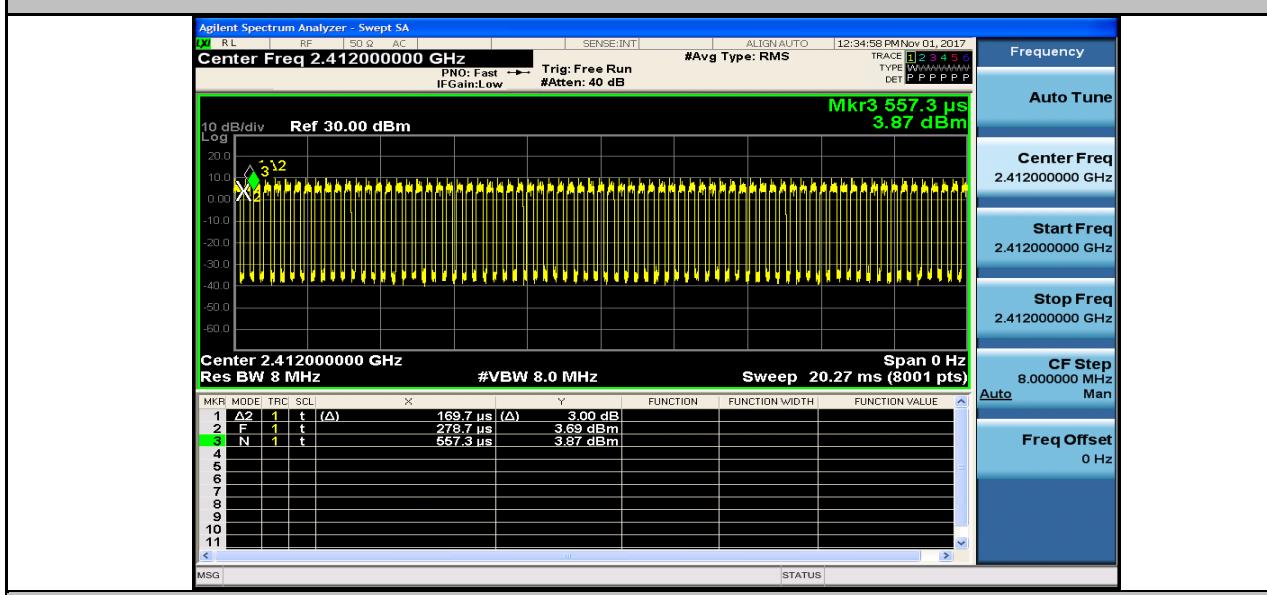
Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.437000000 GHz
Stop Freq 2.437000000 GHz
CF Step 8.000000 MHz Man
Freq Offset 0 Hz

Duty Cycle_11B_2462_Ant1

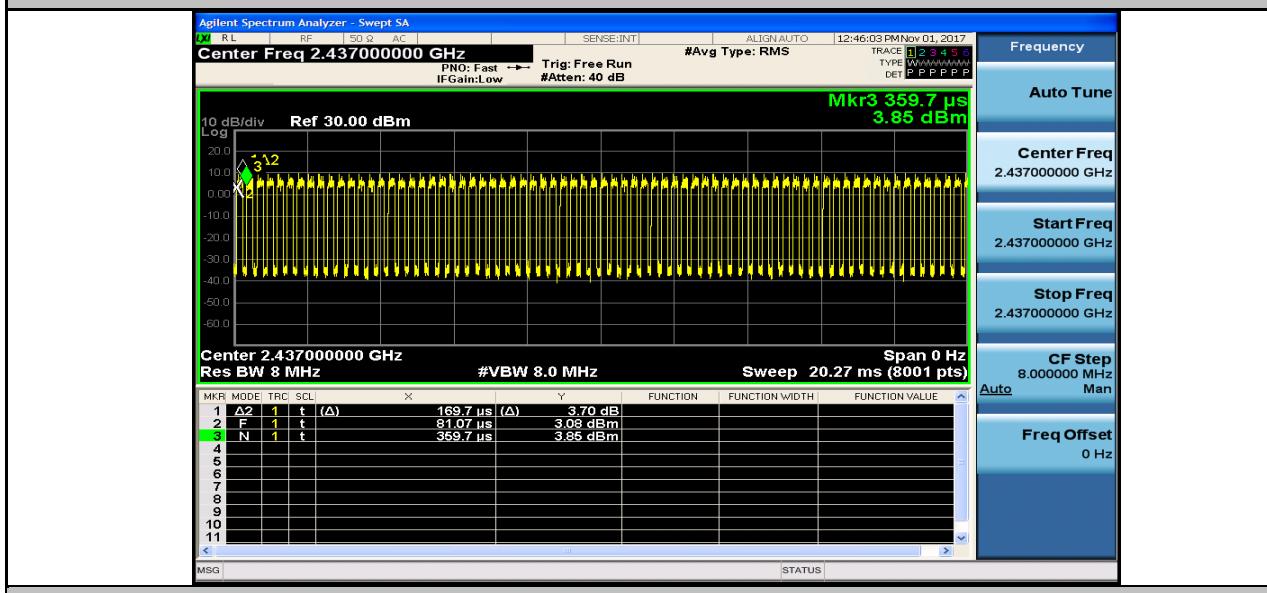


Frequency
Auto Tune
Center Freq 2.462000000 GHz
Start Freq 2.462000000 GHz
Stop Freq 2.462000000 GHz
CF Step 8.000000 MHz Man
Freq Offset 0 Hz

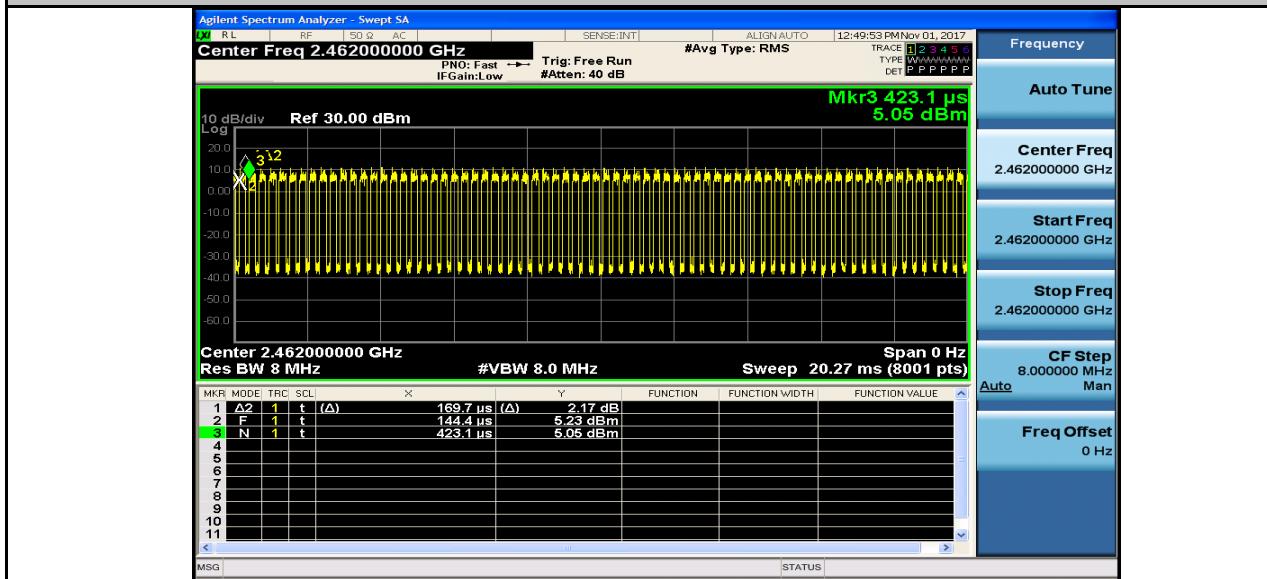
Duty Cycle_11G_2412_Ant1



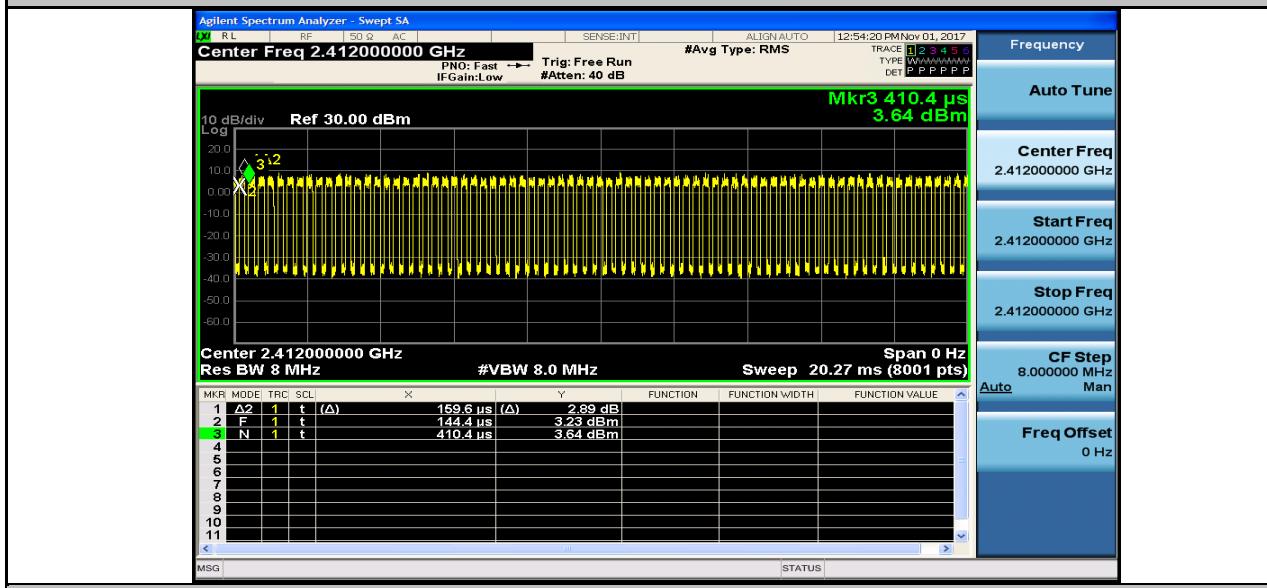
Duty Cycle_11G_2437_Ant1



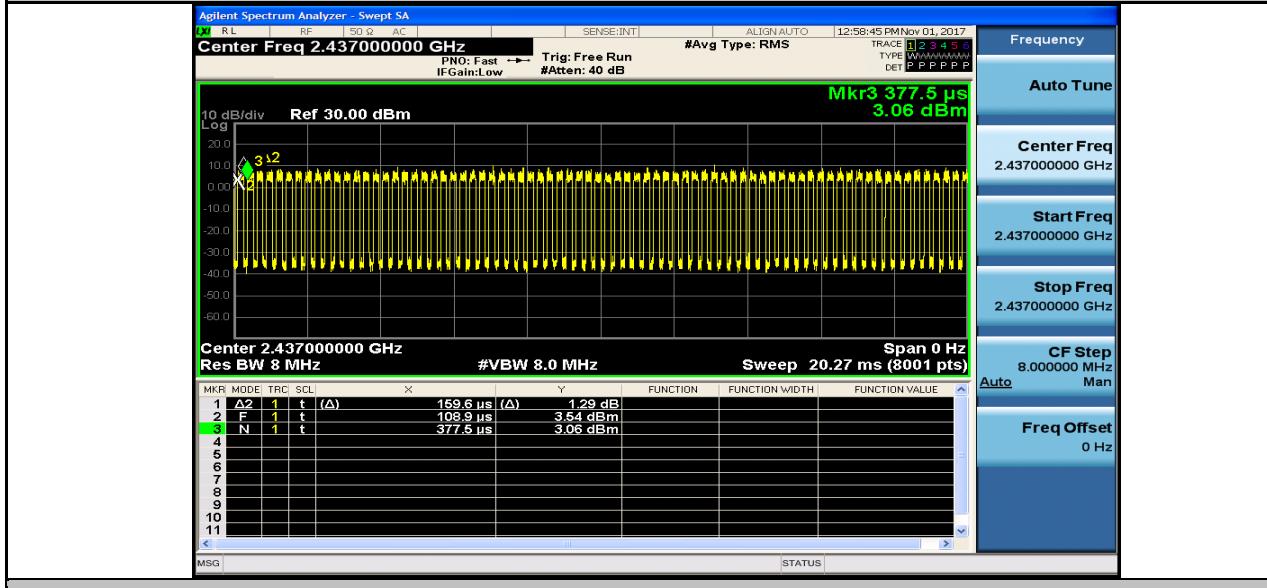
Duty Cycle_11G_2462_Ant1



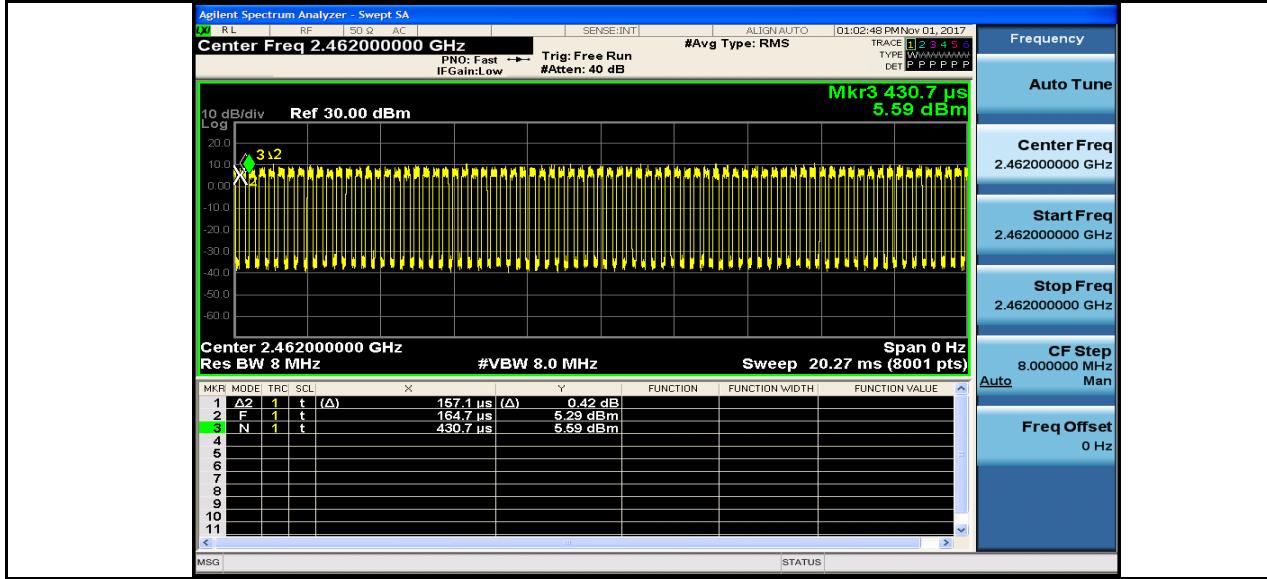
Duty Cycle_11N20SISO_2412_Ant1



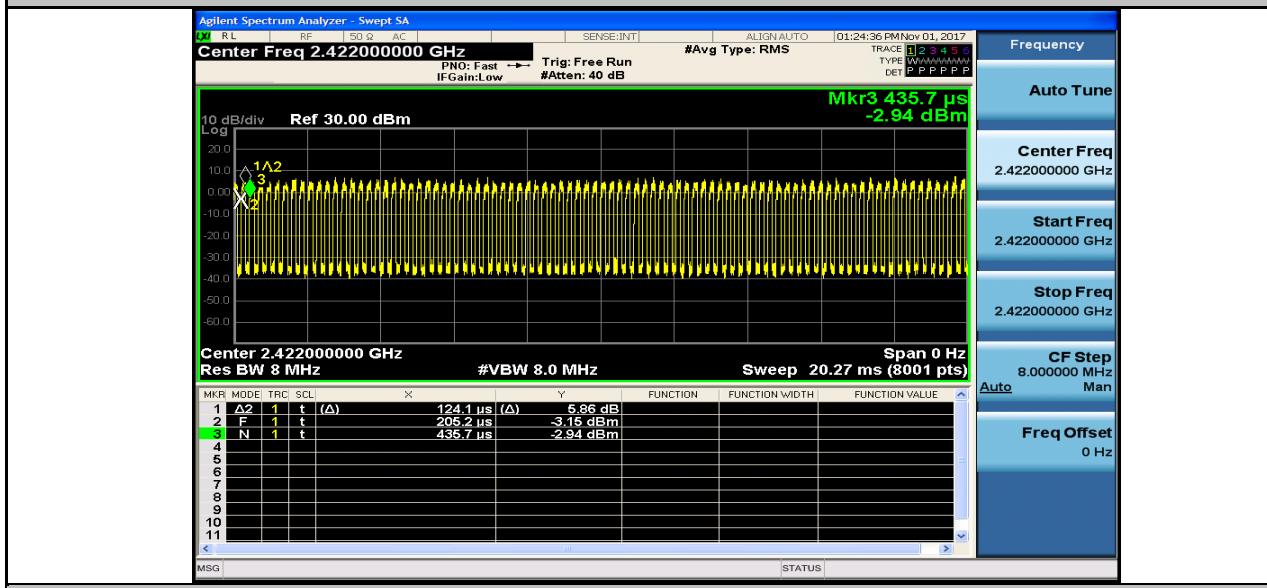
Duty Cycle_11N20SISO_2437_Ant1



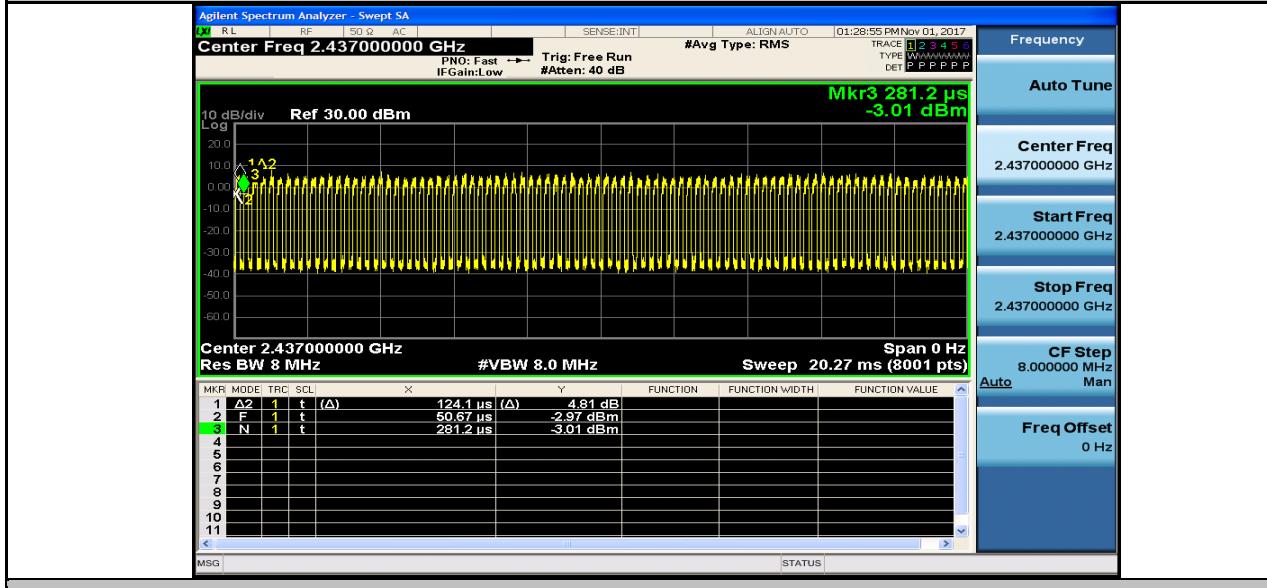
Duty Cycle_11N20SISO_2462_Ant1



Duty Cycle_11N40SISO_2422_Ant1



Duty Cycle_11N40SISO_2437_Ant1



Duty Cycle_11N40SISO_2452_Ant1

