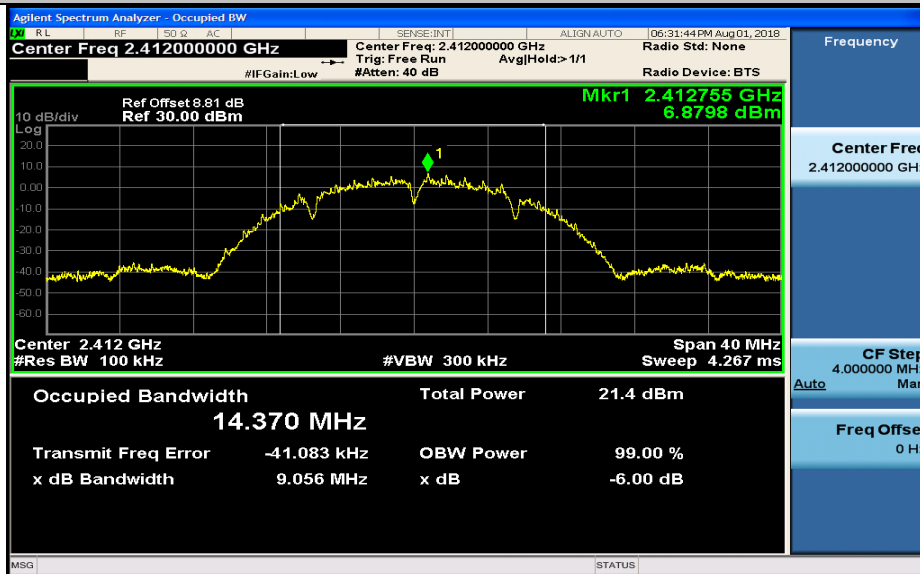


Appendix A for SHEM180600487801

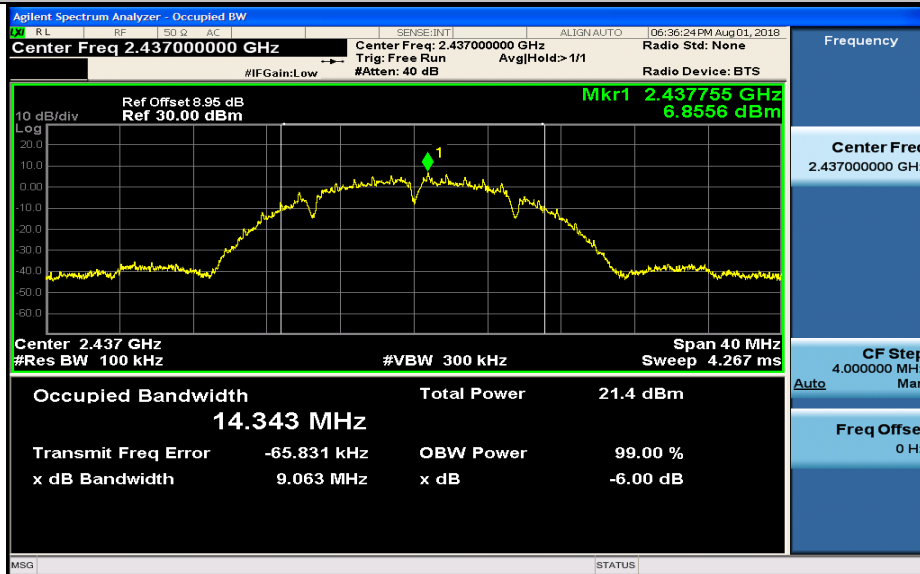
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	9.06	0.5	PASS
11B	2437	Ant1	9.06	0.5	PASS
11B	2462	Ant1	9.06	0.5	PASS
11G	2412	Ant1	15.10	0.5	PASS
11G	2437	Ant1	15.10	0.5	PASS
11G	2462	Ant1	15.02	0.5	PASS
11N20SISO	2412	Ant1	15.01	0.5	PASS
11N20SISO	2437	Ant1	15.11	0.5	PASS
11N20SISO	2462	Ant1	15.12	0.5	PASS
11N40SISO	2422	Ant1	35.04	0.5	PASS
11N40SISO	2437	Ant1	33.83	0.5	PASS
11N40SISO	2452	Ant1	35.08	0.5	PASS

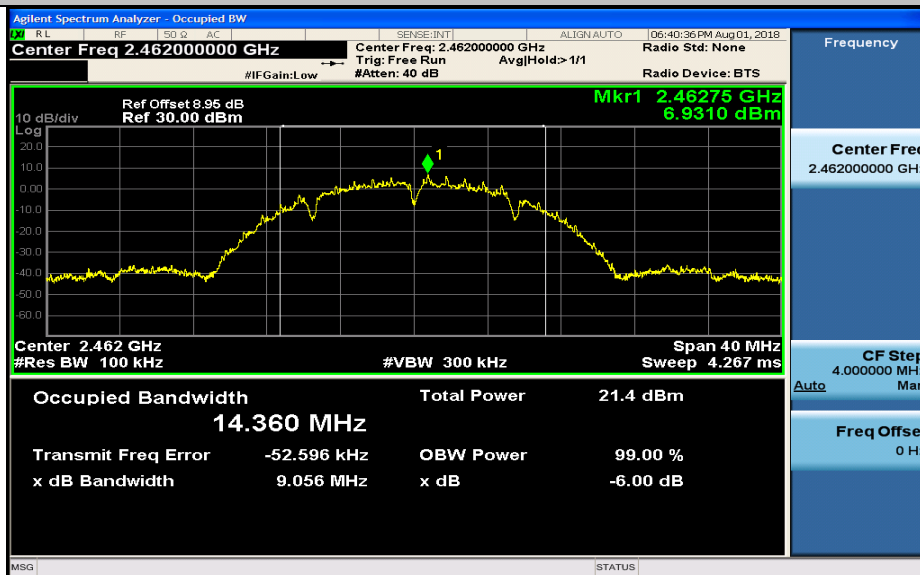
6dB Bandwidth_11B_2412_Ant1



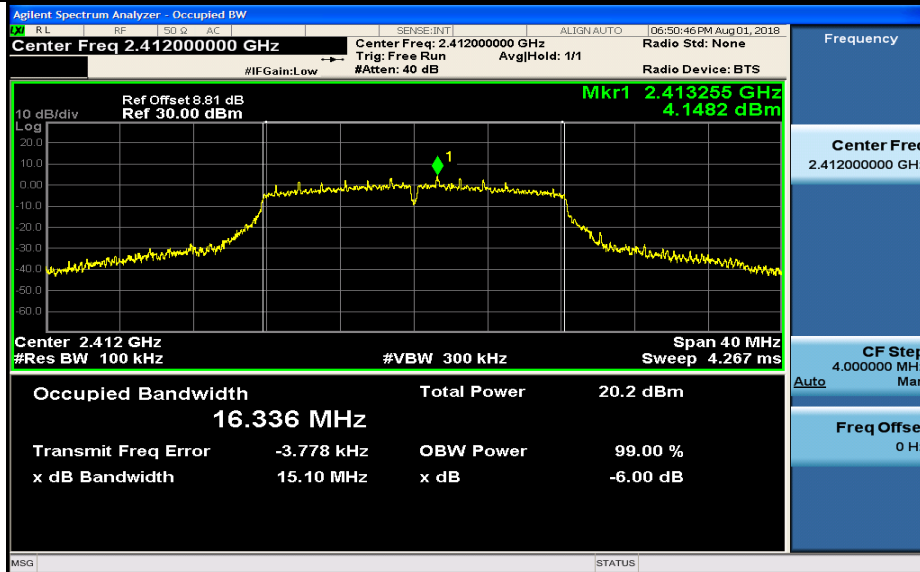
6dB Bandwidth_11B_2437_Ant1



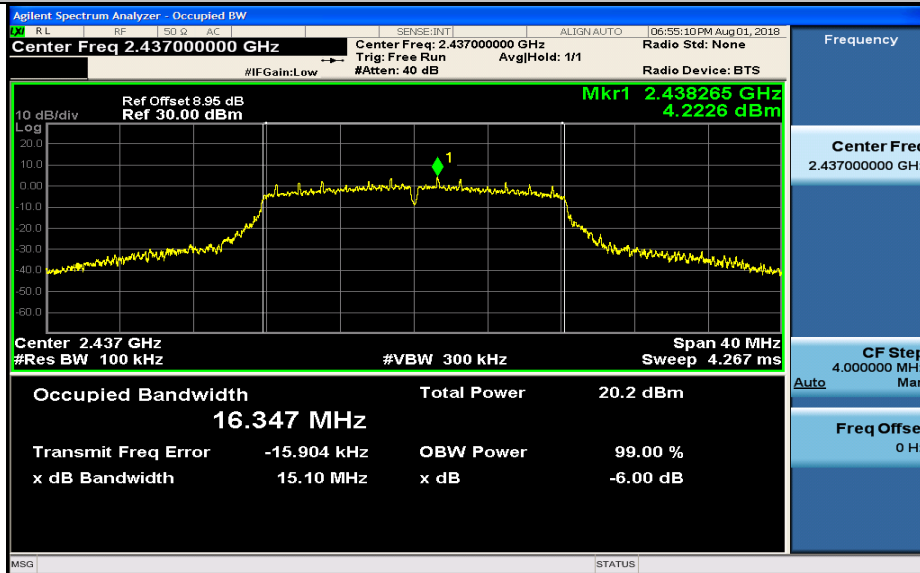
6dB Bandwidth_11B_2462_Ant1



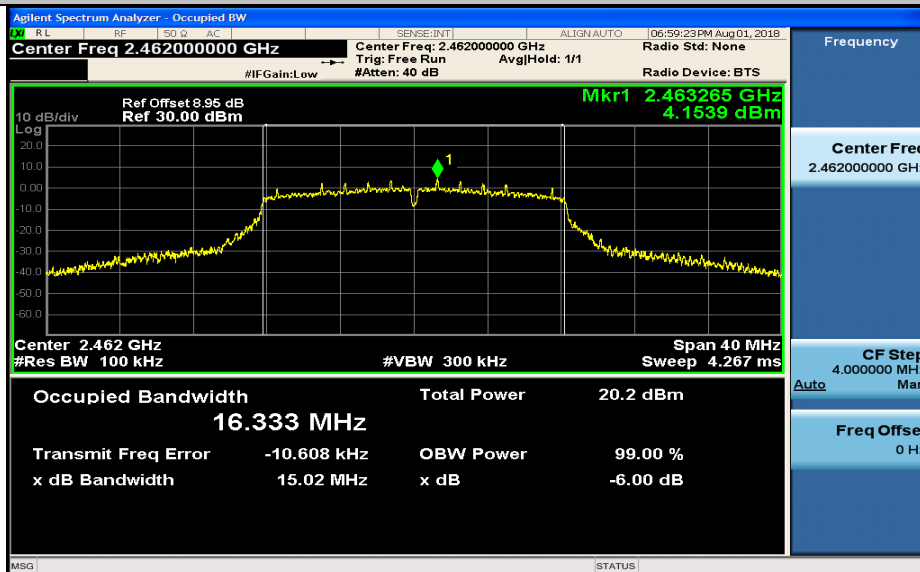
6dB Bandwidth_11G_2412_Ant1



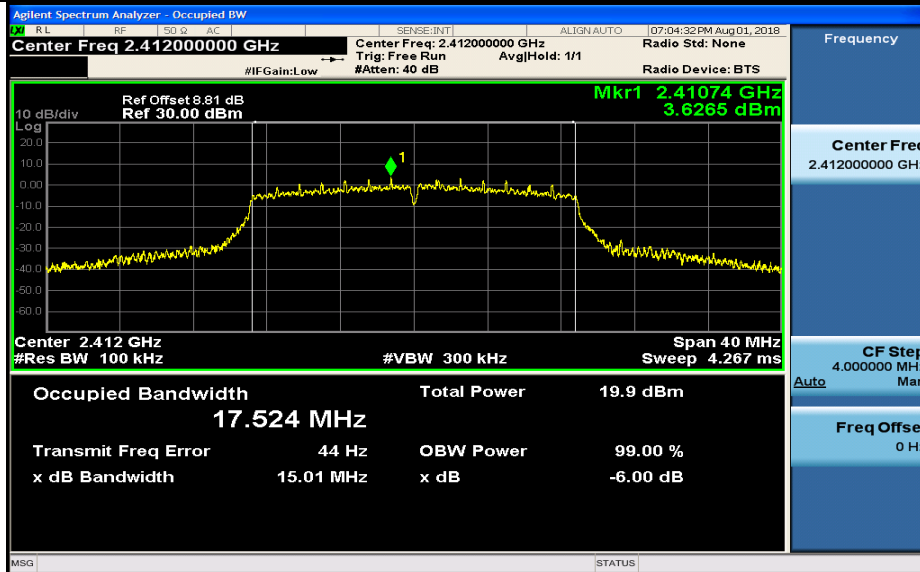
6dB Bandwidth_11G_2437_Ant1



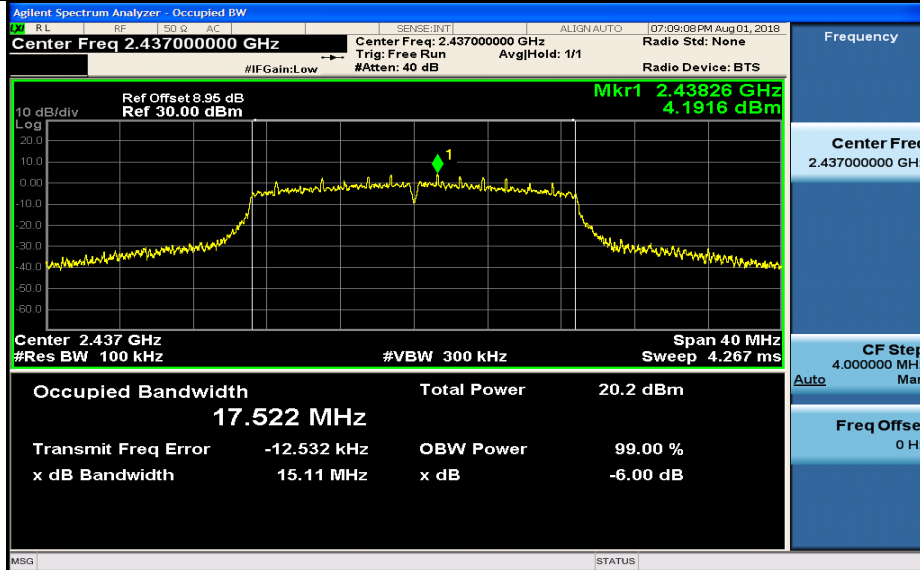
6dB Bandwidth_11G_2462_Ant1



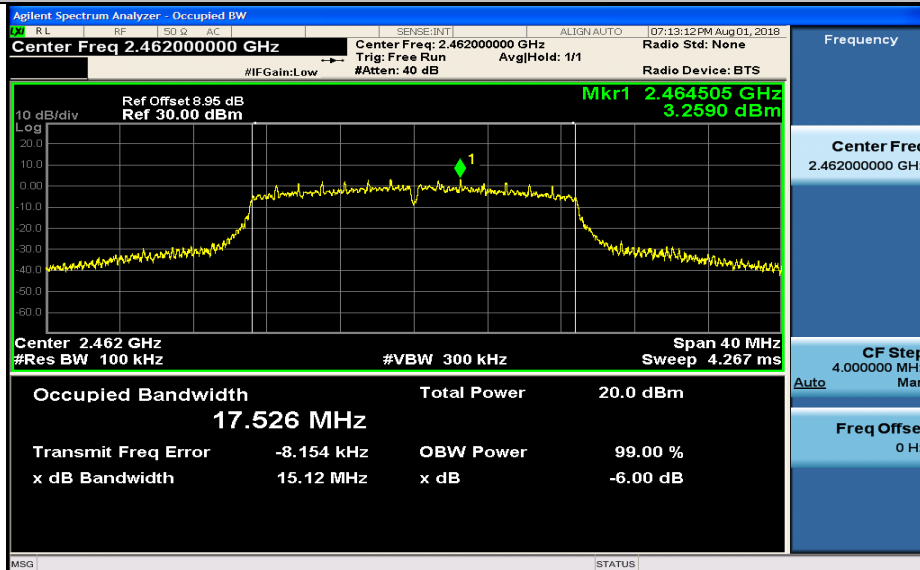
6dB Bandwidth_11N20SISO_2412_Ant1



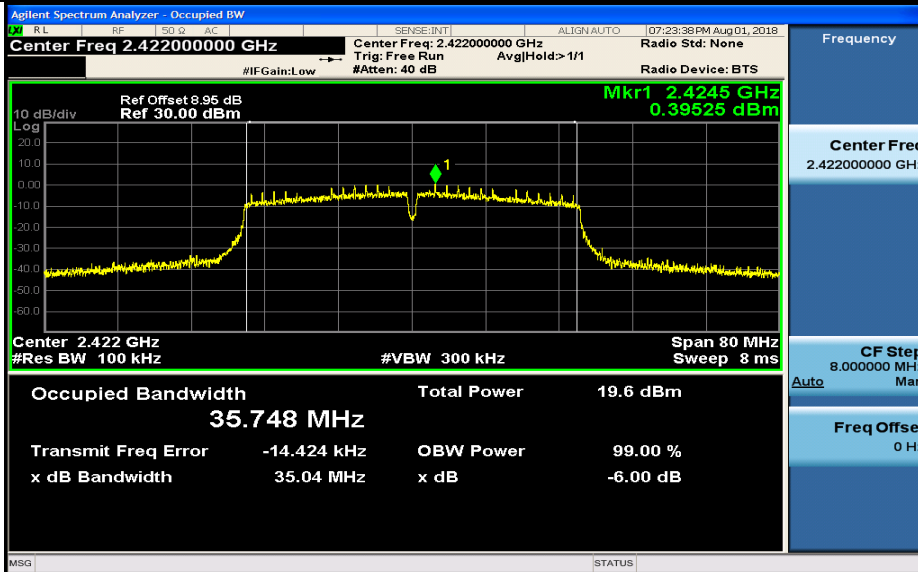
6dB Bandwidth_11N20SISO_2437_Ant1



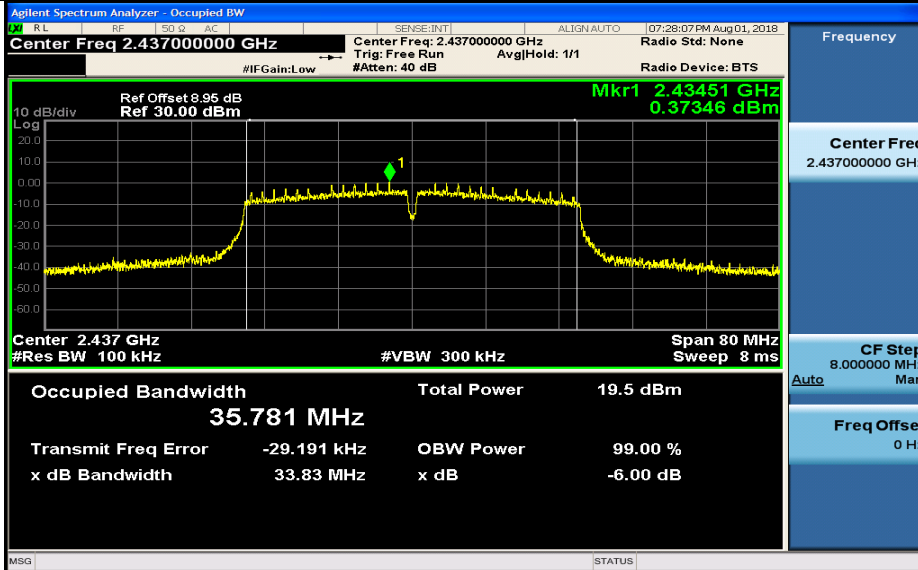
6dB Bandwidth_11N20SISO_2462_Ant1



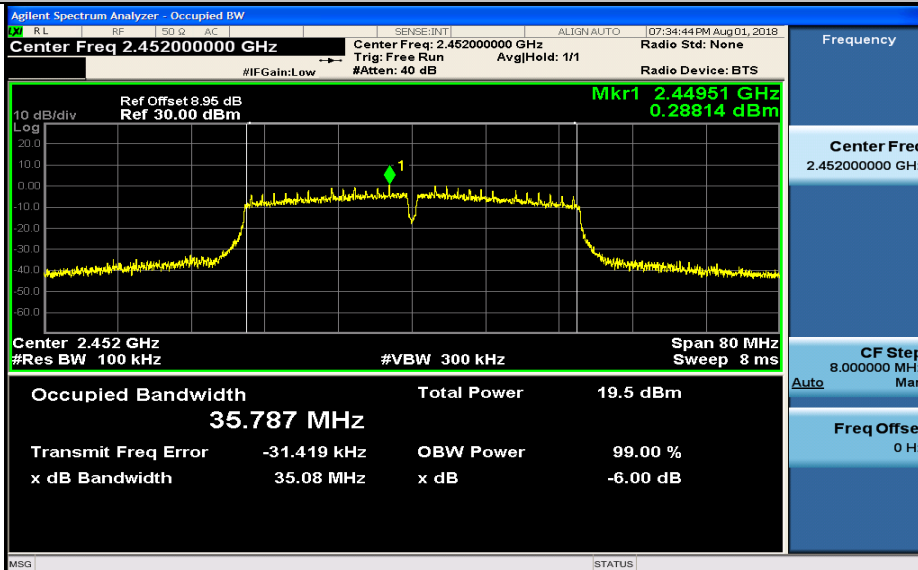
6dB Bandwidth_11N40SISO_2422_Ant1



6dB Bandwidth_11N40SISO_2437_Ant1



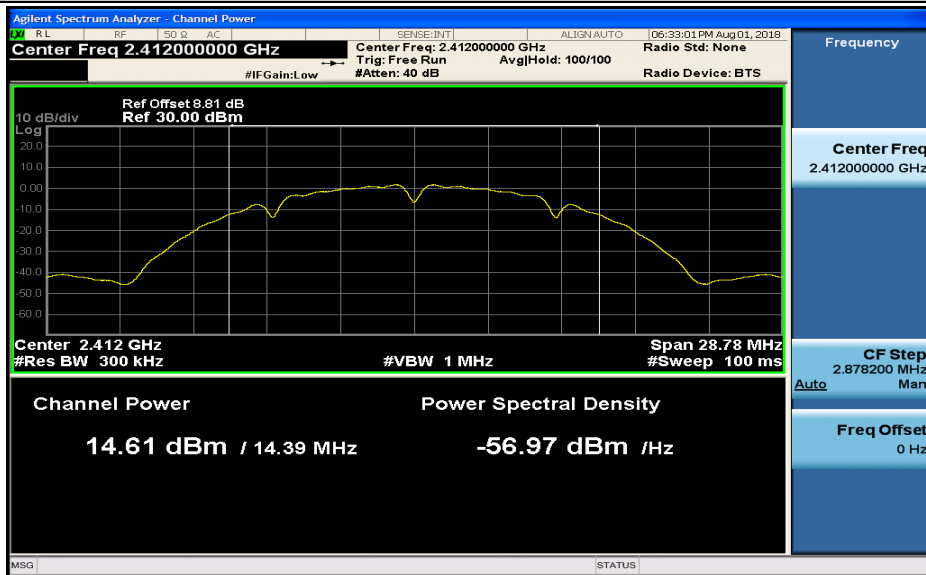
6dB Bandwidth_11N40SISO_2452_Ant1



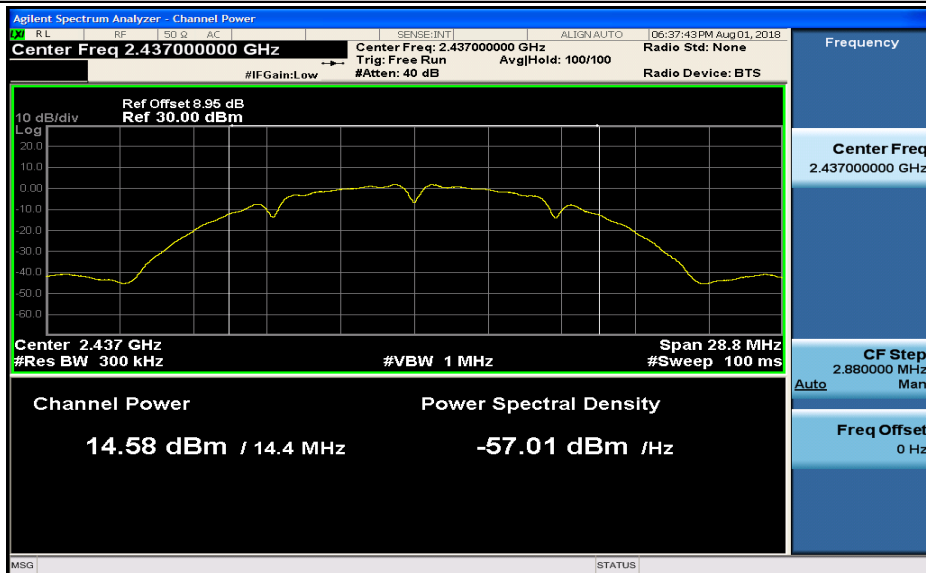
2.Maximum conducted (average) output power

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	14.61	0.13	14.74	30	PASS
11B	2437	Ant1	14.58	0.21	14.79	30	PASS
11B	2462	Ant1	14.52	0.14	14.66	30	PASS
11G	2412	Ant1	13.51	0.53	14.04	30	PASS
11G	2437	Ant1	13.57	0.63	14.20	30	PASS
11G	2462	Ant1	13.46	0.46	13.93	30	PASS
11N20SISO	2412	Ant1	13.28	0.34	13.62	30	PASS
11N20SISO	2437	Ant1	13.38	0.34	13.71	30	PASS
11N20SISO	2462	Ant1	13.27	0.69	13.95	30	PASS
11N40SISO	2422	Ant1	12.29	0.81	13.10	30	PASS
11N40SISO	2437	Ant1	12.16	1.16	13.32	30	PASS
11N40SISO	2452	Ant1	12.2	0.54	12.74	30	PASS

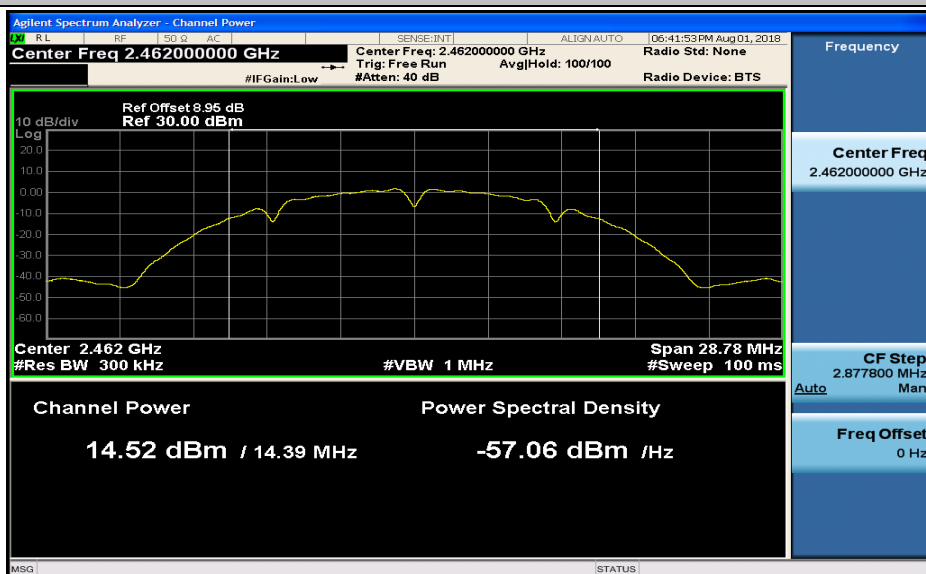
Maximum conducted (average) output power_11B_2412_Ant1



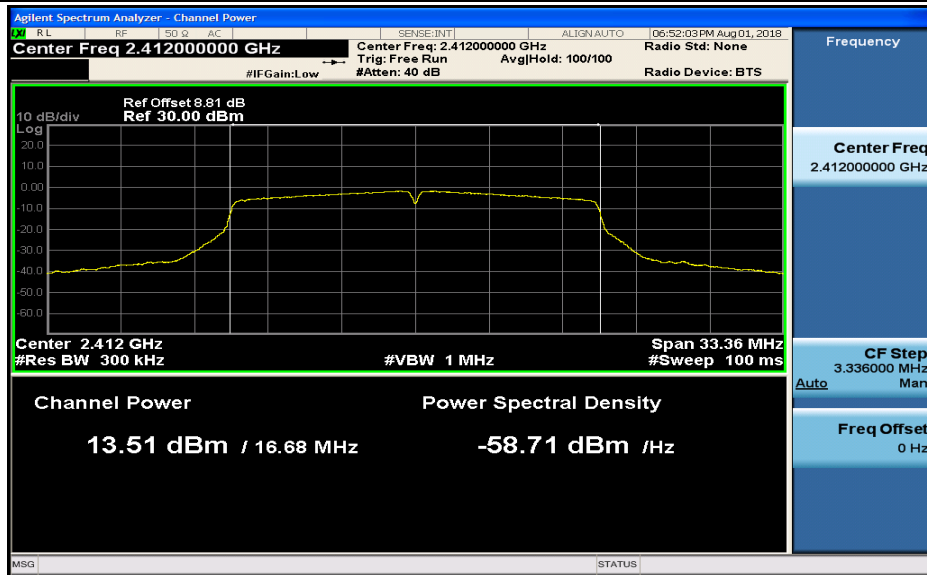
Maximum conducted (average) output power_11B_2437_Ant1



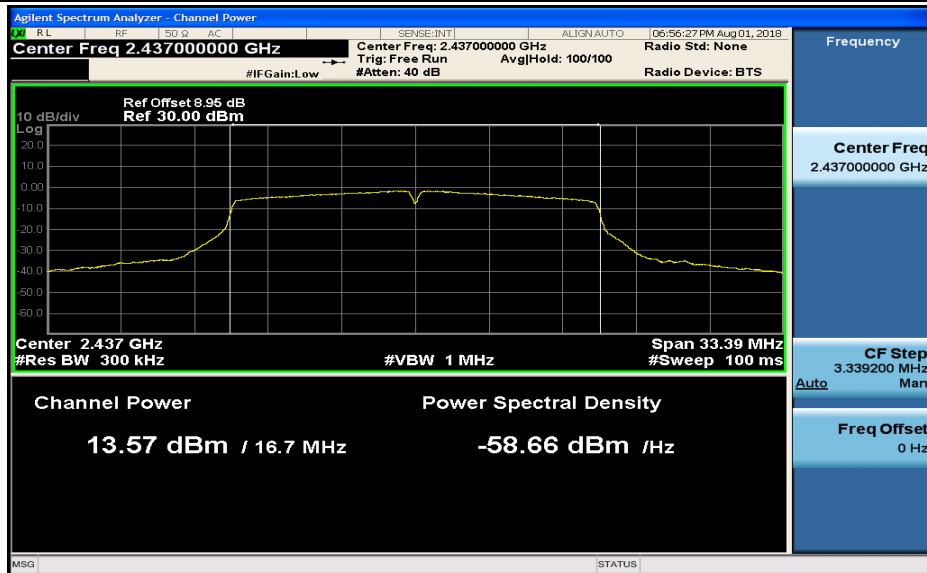
Maximum conducted (average) output power_11B_2462_Ant1



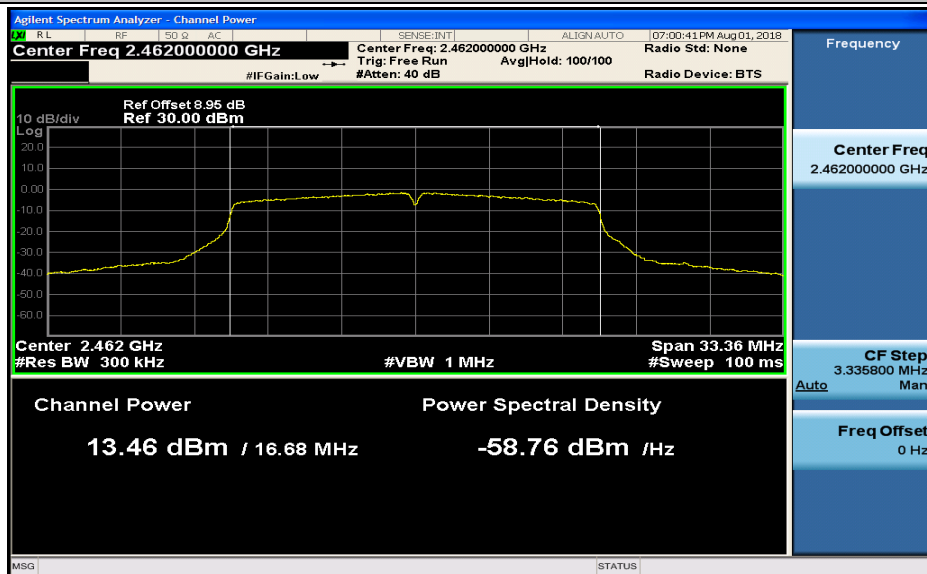
Maximum conducted (average) output power_11G_2412_Ant1



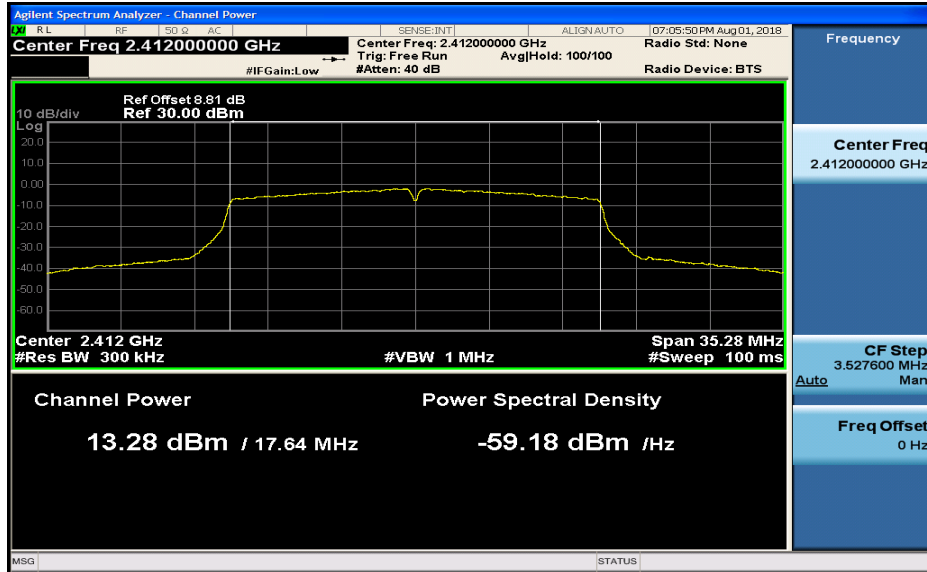
Maximum conducted (average) output power_11G_2437_Ant1



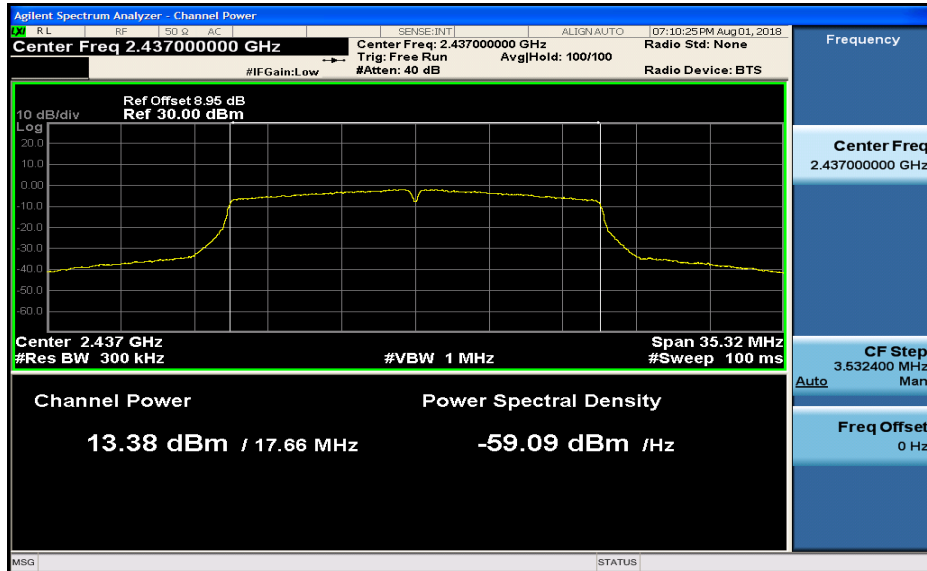
Maximum conducted (average) output power_11G_2462_Ant1



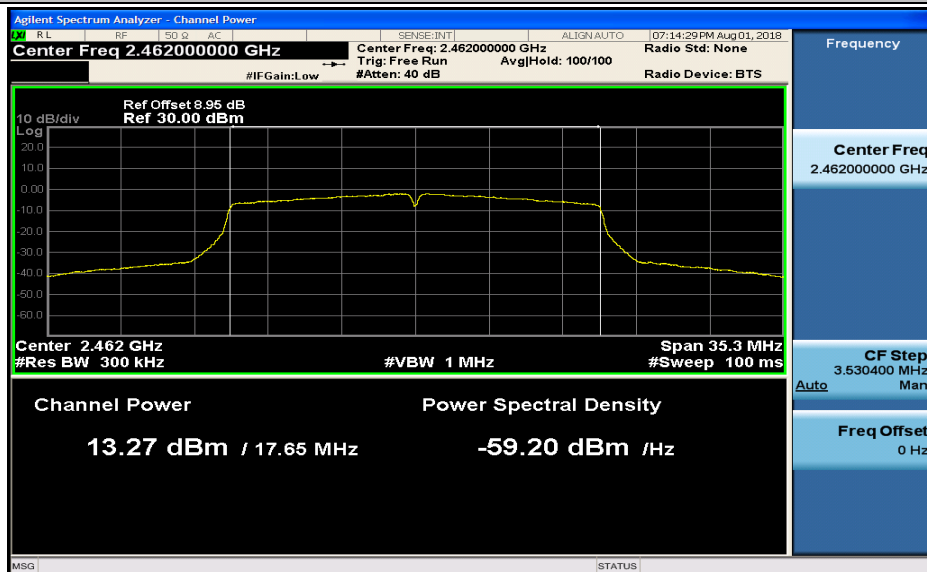
Maximum conducted (average) output power_11N20SISO_2412_Ant1



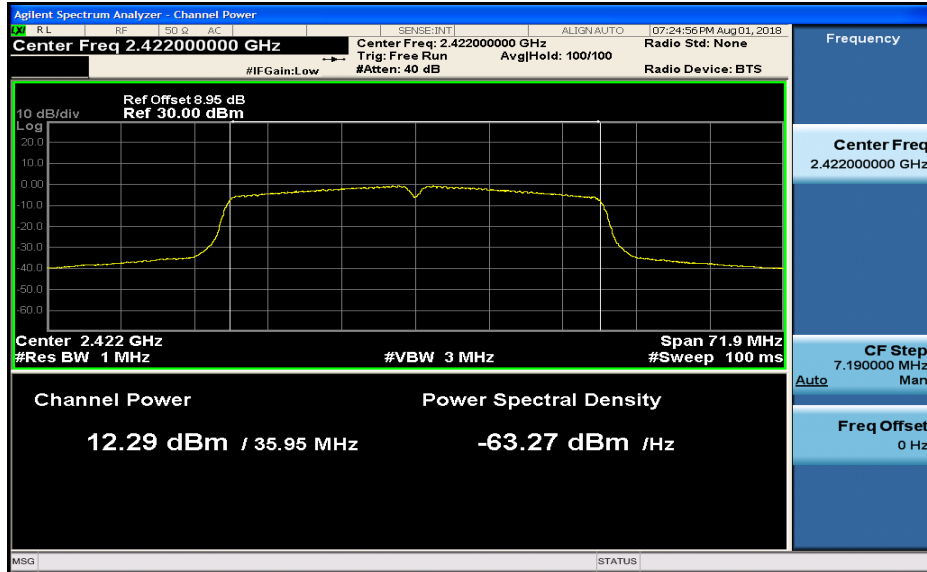
Maximum conducted (average) output power_11N20SISO_2437_Ant1



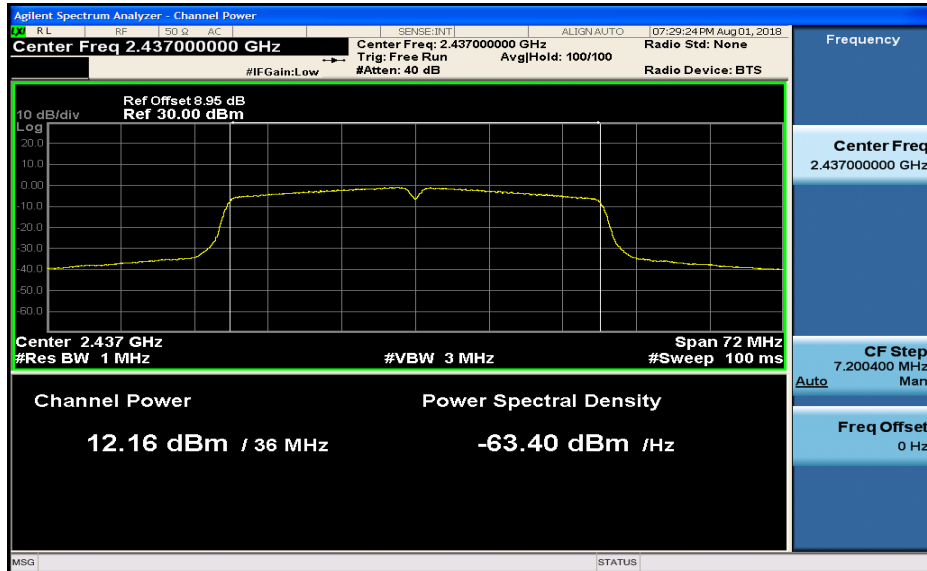
Maximum conducted (average) output power_11N20SISO_2462_Ant1



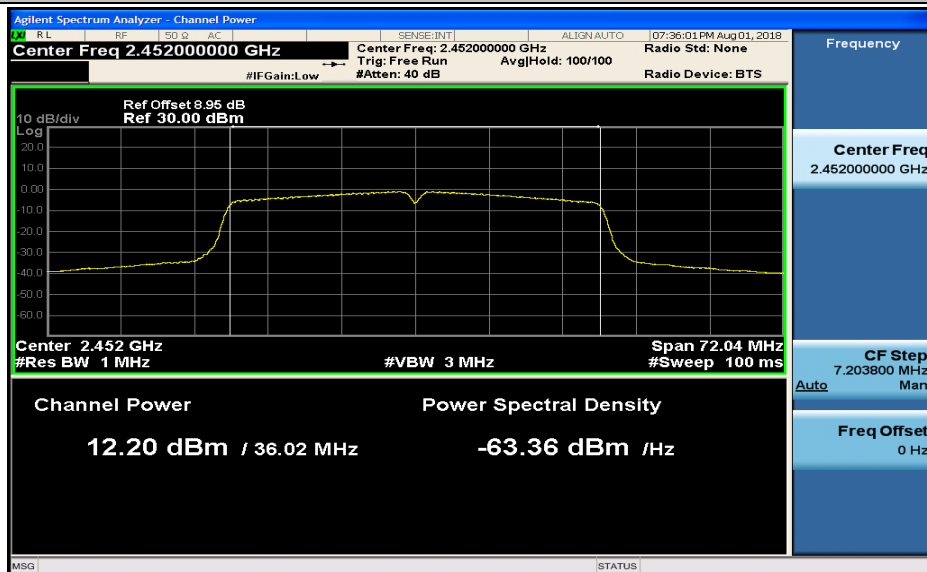
Maximum conducted (average) output power_11N40SISO_2422_Ant1



Maximum conducted (average) output power_11N40SISO_2437_Ant1



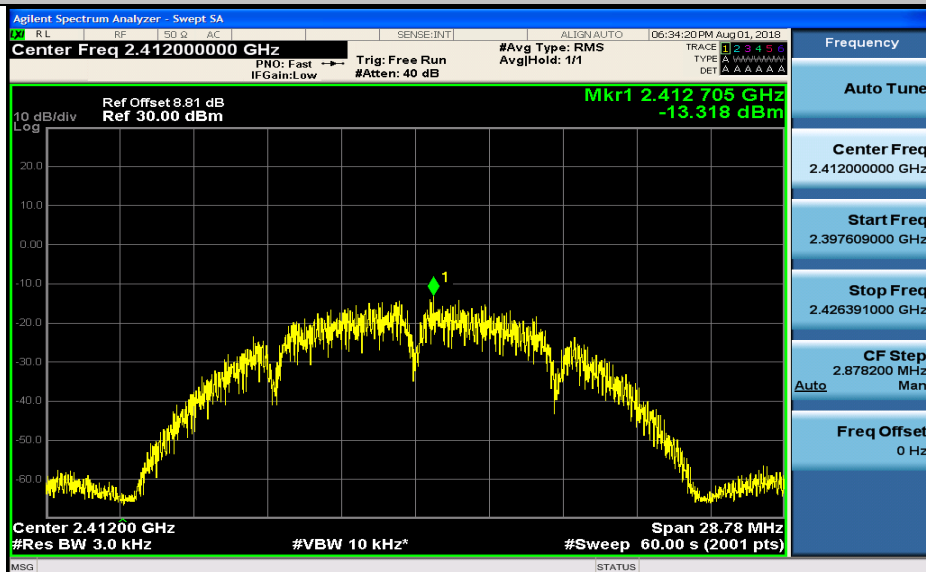
Maximum conducted (average) output power_11N40SISO_2452_Ant1



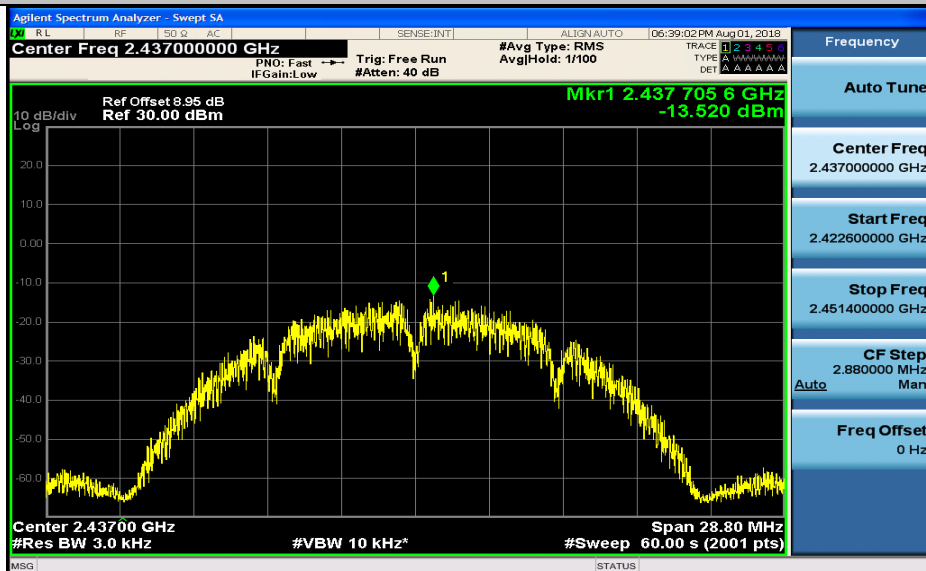
3.Maximum(average) power spectral density

Test Mode	Test Channel	Ant	Level [dBm/3kHz]	10log(1/x) Factor[dB]	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-13.32	0.13	-13.19	8.00	PASS
11B	2437	Ant1	-13.52	0.21	-13.31	8.00	PASS
11B	2462	Ant1	-8.19	0.14	-8.05	8.00	PASS
11G	2412	Ant1	-19.76	0.53	-19.23	8.00	PASS
11G	2437	Ant1	-19.54	0.63	-18.91	8.00	PASS
11G	2462	Ant1	-19.71	0.46	-19.25	8.00	PASS
11N20SISO	2412	Ant1	-20.30	0.34	-19.96	8.00	PASS
11N20SISO	2437	Ant1	-20.04	0.34	-19.70	8.00	PASS
11N20SISO	2462	Ant1	-20.27	0.69	-19.58	8.00	PASS
11N40SISO	2422	Ant1	-24.41	0.81	-23.60	8.00	PASS
11N40SISO	2437	Ant1	-24.53	1.16	-23.37	8.00	PASS
11N40SISO	2452	Ant1	-24.45	0.54	-23.91	8.00	PASS

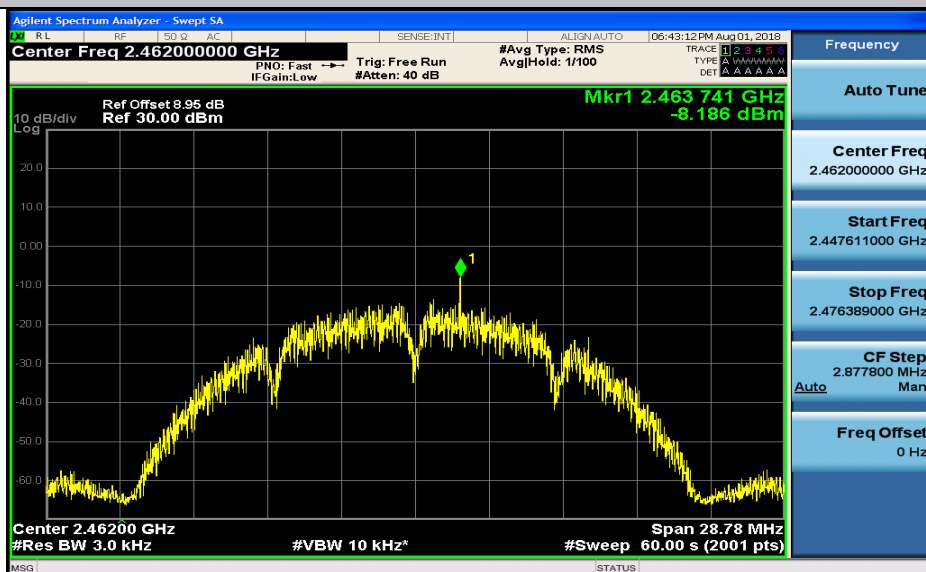
Maximum(average) power spectral density_11B_2412_Ant1



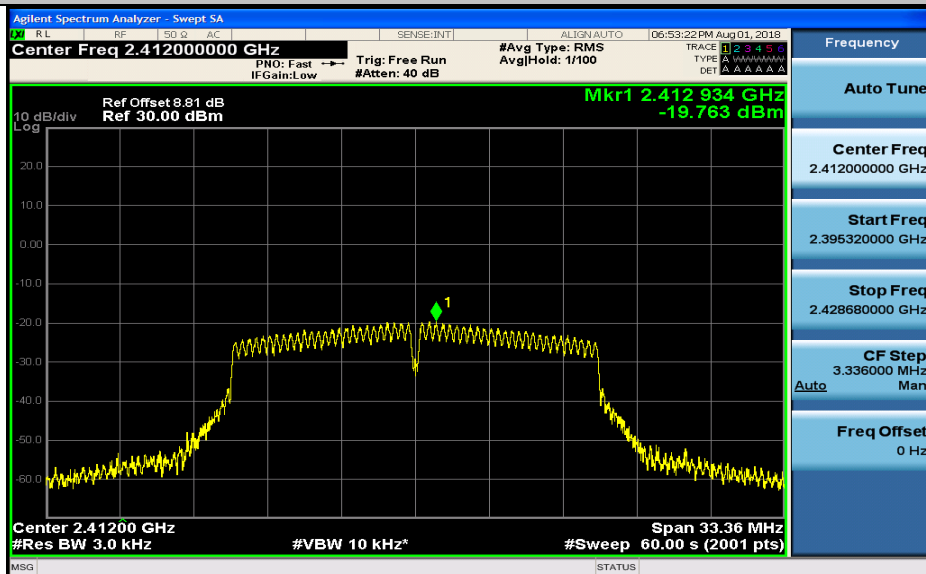
Maximum(average) power spectral density_11B_2437_Ant1



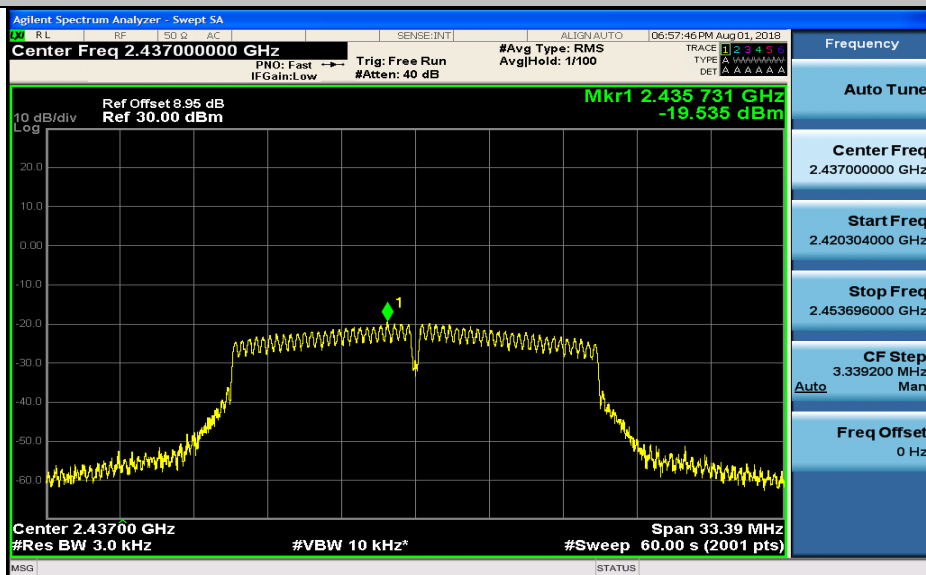
Maximum(average) power spectral density_11B_2462_Ant1



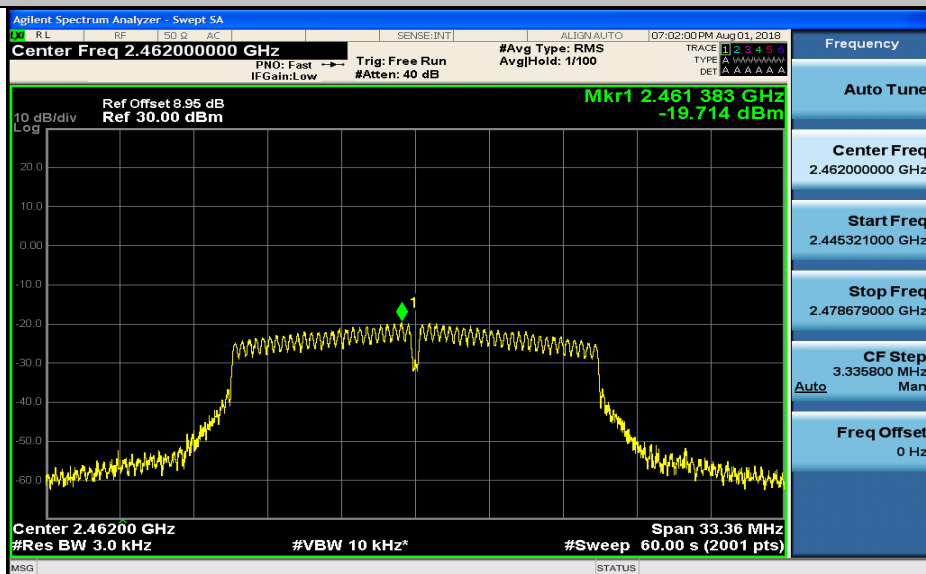
Maximum(average) power spectral density_11G_2412_Ant1



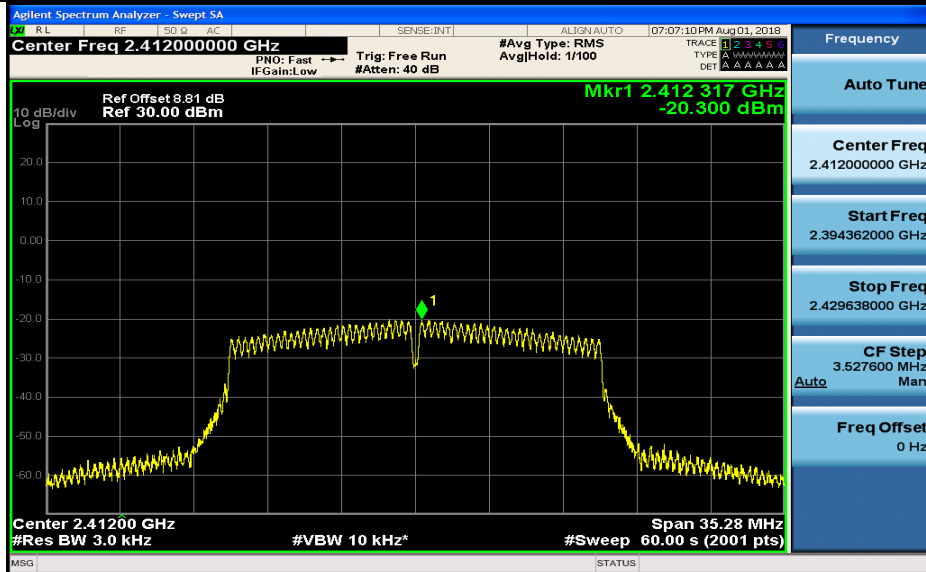
Maximum(average) power spectral density_11G_2437_Ant1



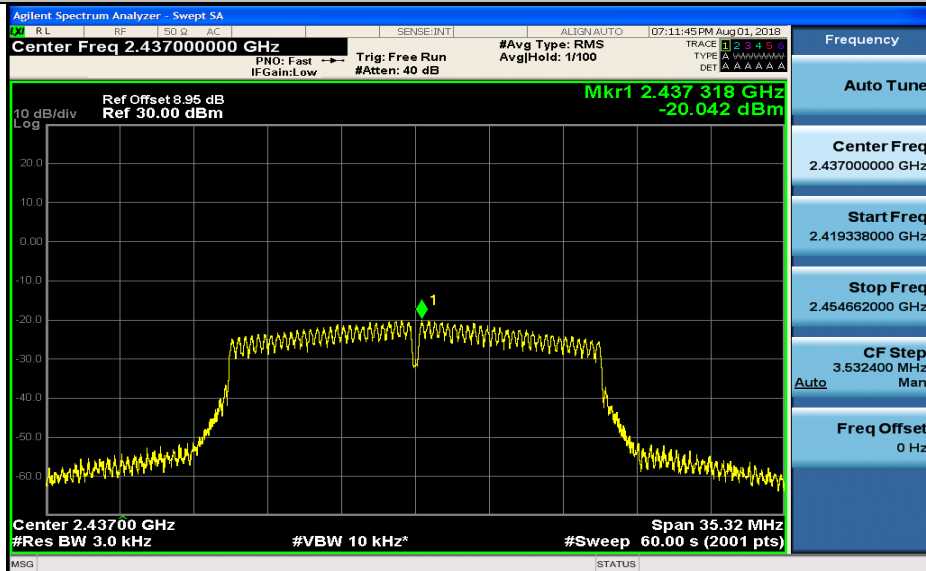
Maximum(average) power spectral density_11G_2462_Ant1



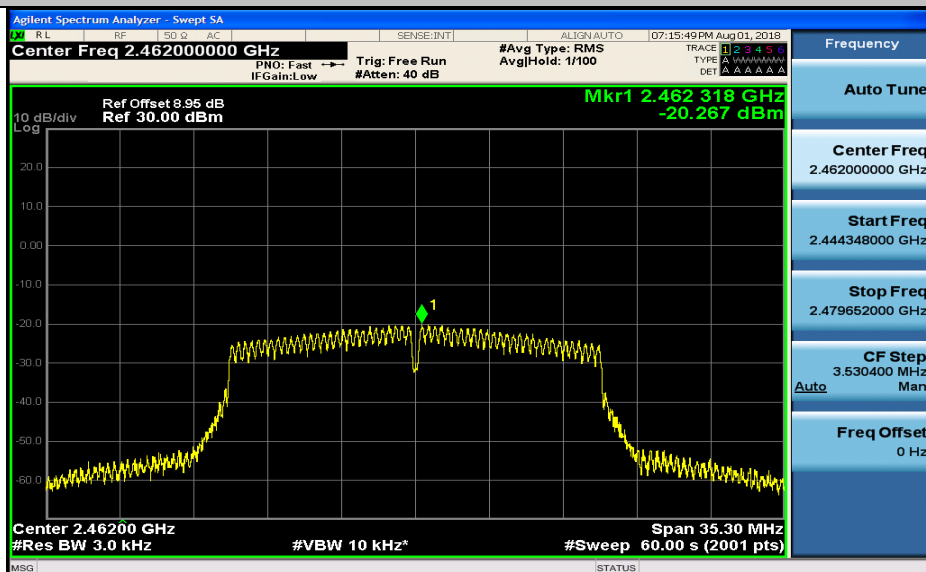
Maximum(average) power spectral density_11N20SISO_2412_Ant1



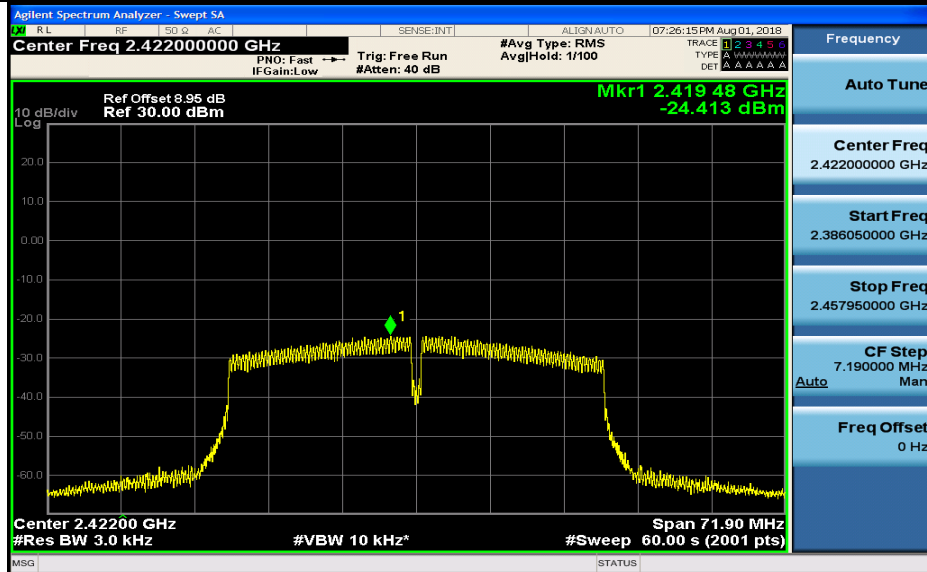
Maximum(average) power spectral density_11N20SISO_2437_Ant1



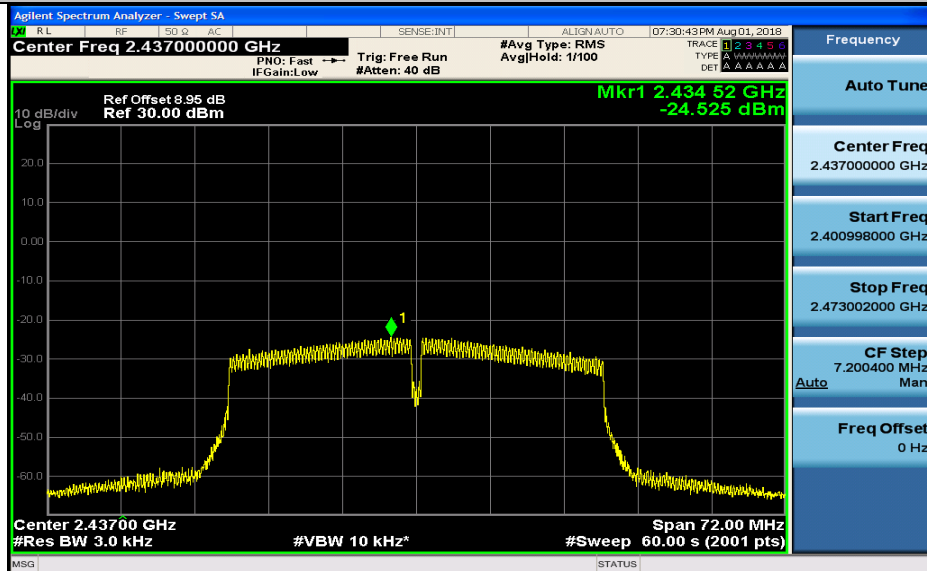
Maximum(average) power spectral density_11N20SISO_2462_Ant1



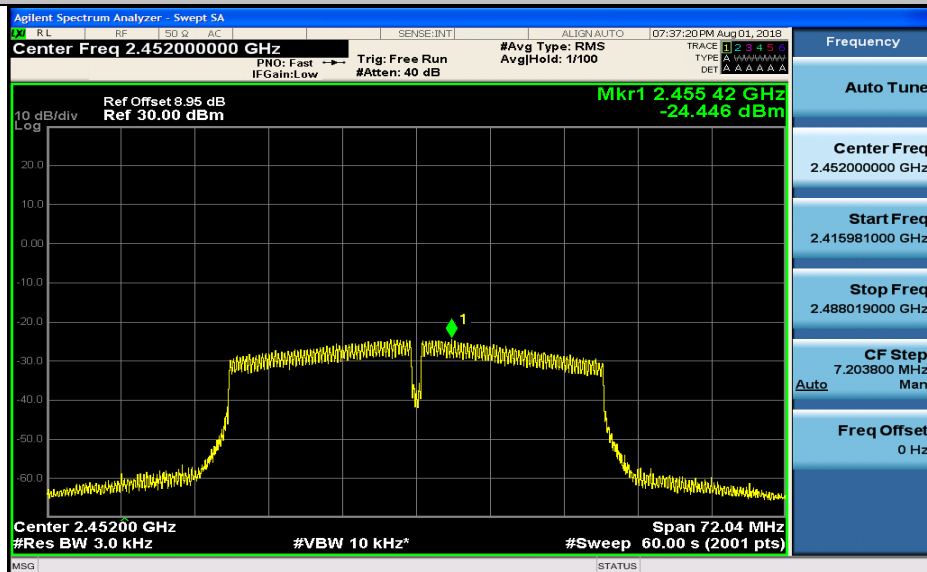
Maximum(average) power spectral density_11N40SISO_2422_Ant1



Maximum(average) power spectral density_11N40SISO_2437_Ant1



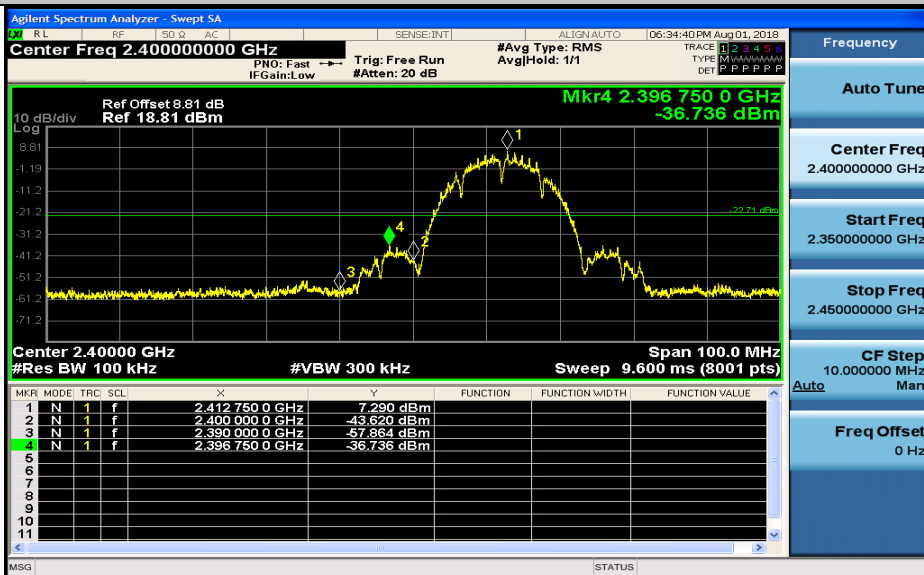
Maximum(average) power spectral density_11N40SISO_2452_Ant1



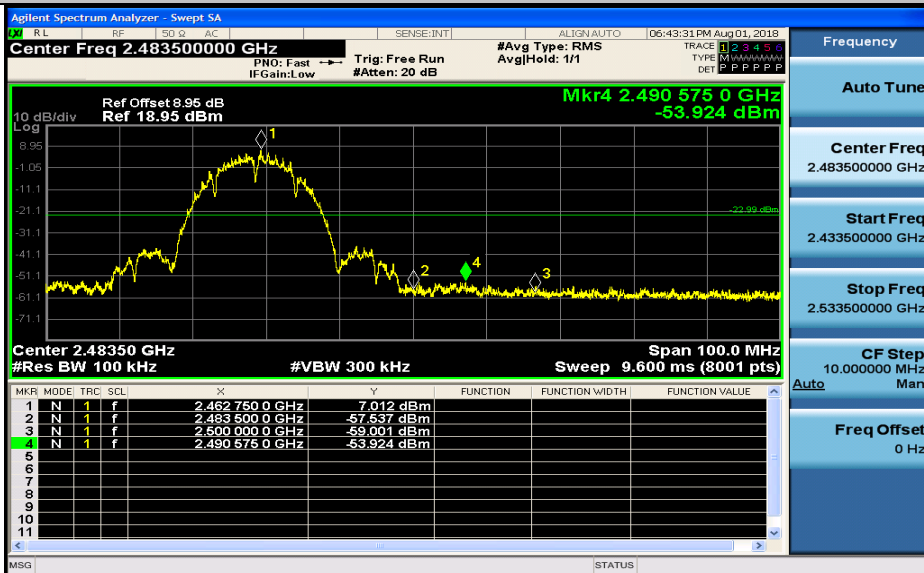
4. Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	7.29	-36.74	-22.71	PASS
11B	2462	Ant1	7.01	-53.92	-22.99	PASS
11G	2412	Ant1	4.29	-28.16	-25.71	PASS
11G	2462	Ant1	3.98	-47.01	-26.03	PASS
11N20SISO	2412	Ant1	4.04	-30.51	-25.97	PASS
11N20SISO	2462	Ant1	4.15	-44.05	-25.85	PASS
11N40SISO	2422	Ant1	0.91	-34.42	-29.09	PASS
11N40SISO	2452	Ant1	0.45	-37.38	-29.56	PASS

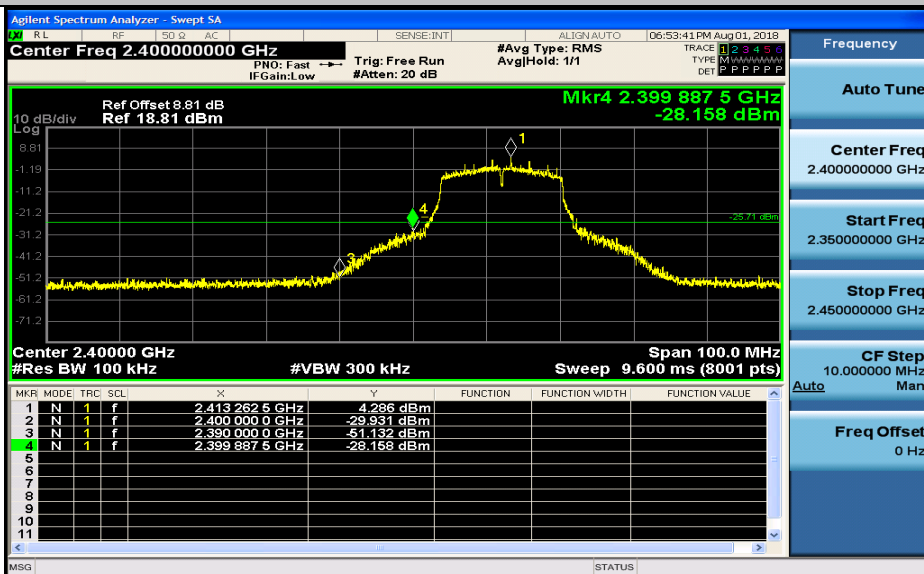
Band-edge for RF Conducted Emissions_11B_2412_Ant1



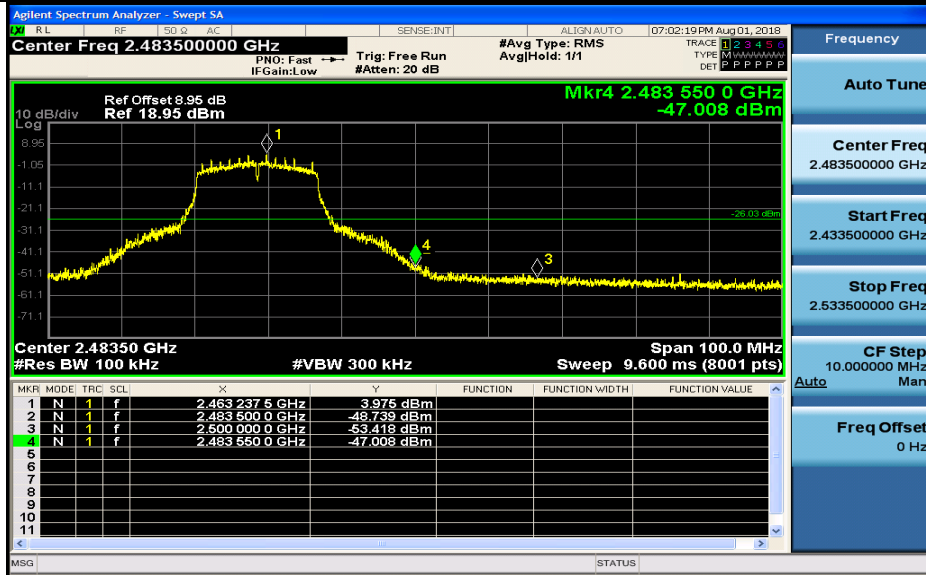
Band-edge for RF Conducted Emissions_11B_2462_Ant1



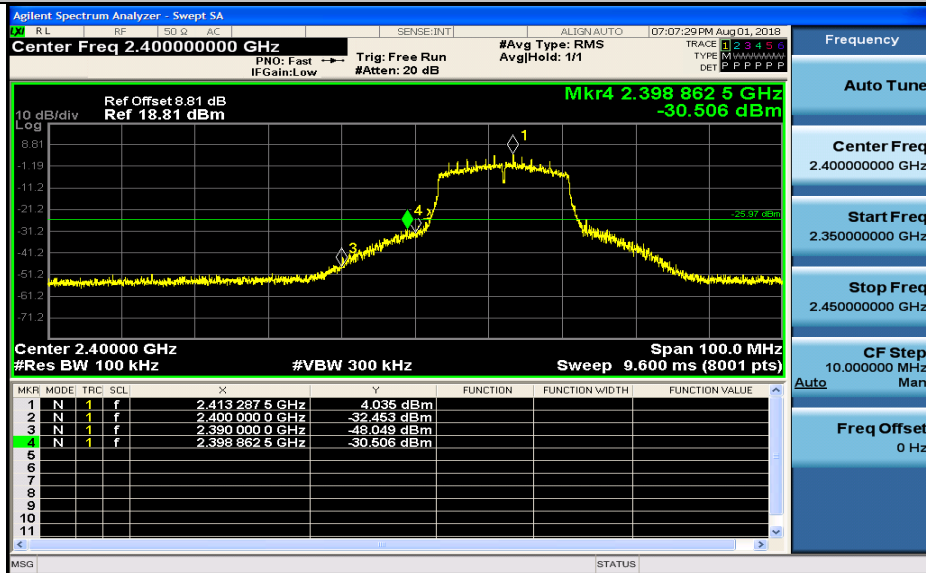
Band-edge for RF Conducted Emissions_11G_2412_Ant1



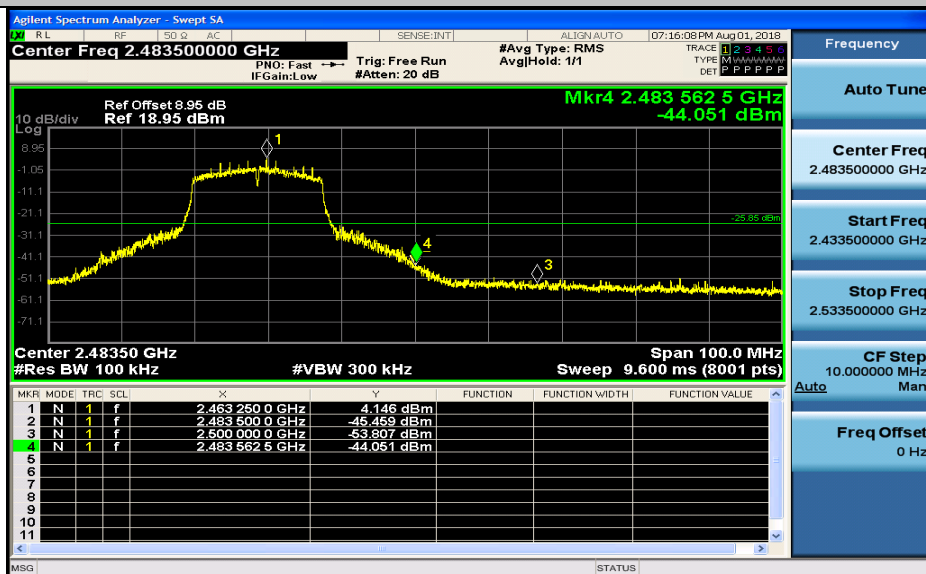
Band-edge for RF Conducted Emissions_11G_2462_Ant1



Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



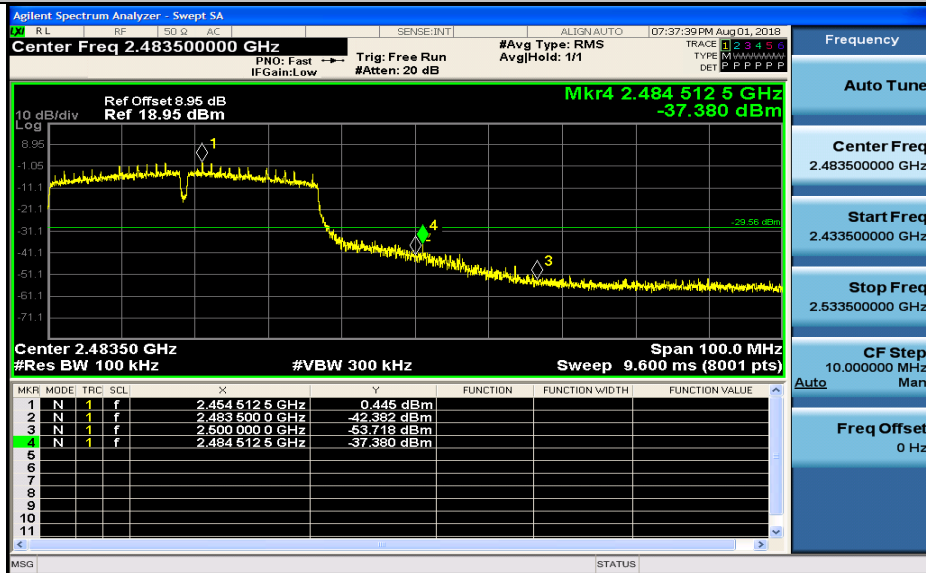
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2422_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2452_Ant1



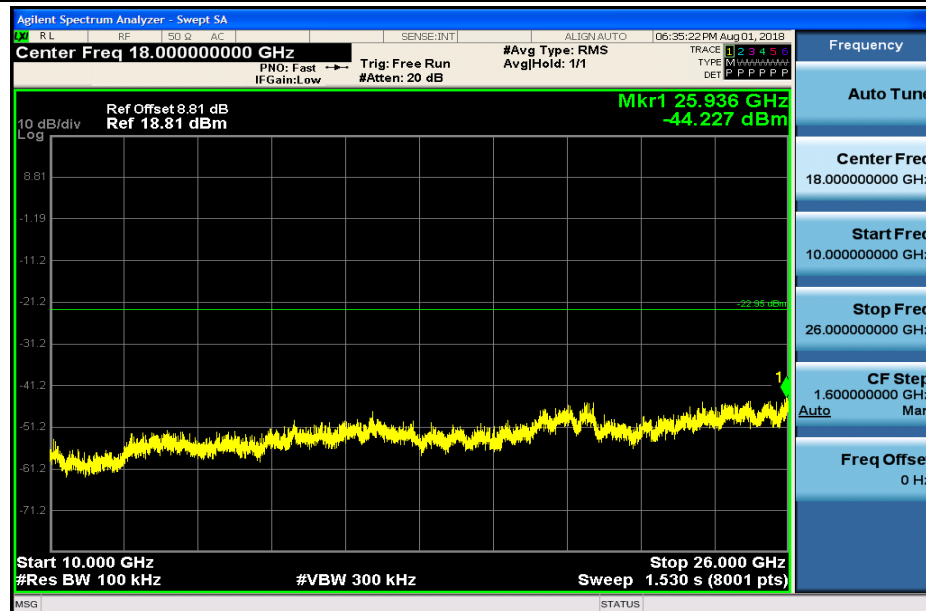
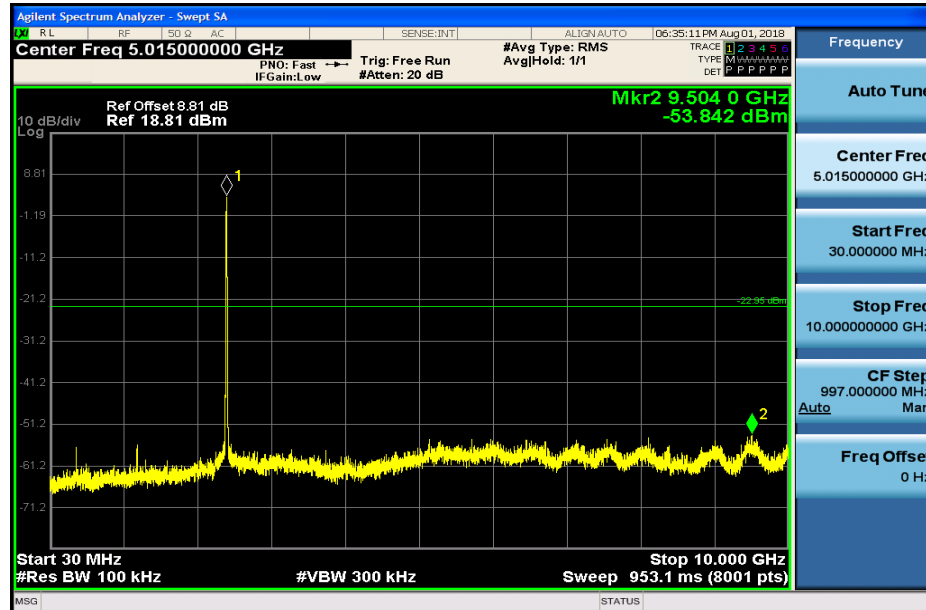
5.RF Conducted Spurious Emissions

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	7.05	-53.84	<- 22.95	PASS
11B	2412	Ant1	10000	26000	100	300	7.046	-44.227	<- 22.954	PASS
11B	2437	Ant1	30	10000	100	300	7.10	-54.05	<- 22.90	PASS
11B	2437	Ant1	10000	26000	100	300	7.096	-42.231	<- 22.904	PASS
11B	2462	Ant1	30	10000	100	300	7.01	-53.35	<- 22.99	PASS
11B	2462	Ant1	10000	26000	100	300	7.007	-43.279	<- 22.993	PASS
11G	2412	Ant1	30	10000	100	300	4.23	-53.87	<- 25.77	PASS
11G	2412	Ant1	10000	26000	100	300	4.229	-43.277	<- 25.771	PASS
11G	2437	Ant1	30	10000	100	300	3.92	-54.35	<- 26.08	PASS
11G	2437	Ant1	10000	26000	100	300	3.919	-43.489	<- 26.081	PASS
11G	2462	Ant1	30	10000	100	300	4.05	-54.08	<- 25.95	PASS
11G	2462	Ant1	10000	26000	100	300	4.052	-43.455	<- 25.948	PASS
11N20SISO	2412	Ant1	30	10000	100	300	3.70	-54.57	<- 26.30	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	3.699	-43.787	<- 26.301	PASS
11N20SISO	2437	Ant1	30	10000	100	300	3.82	-53.25	<- 26.18	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	3.817	-42.962	<- 26.183	PASS
11N20SISO	2462	Ant1	30	10000	100	300	4.22	-53.29	<- 25.78	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	4.217	-43.954	<- 25.783	PASS
11N40SISO	2422	Ant1	30	10000	100	300	0.65	-52.95	<- 29.35	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	0.647	-43.542	<- 29.353	PASS
11N40SISO	2437	Ant1	30	10000	100	300	0.46	-53.29	<- 29.54	PASS
11N40SISO	2437	Ant1	10000	26000	100	300	0.464	-43.001	<- 29.536	PASS
11N40SISO	2452	Ant1	30	10000	100	300	0.62	-53.03	<- 29.38	PASS

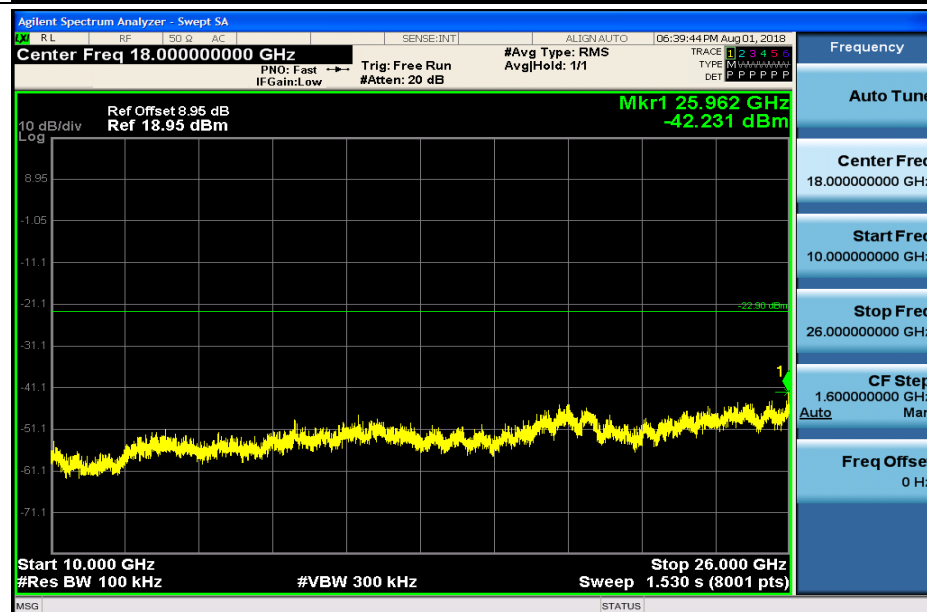
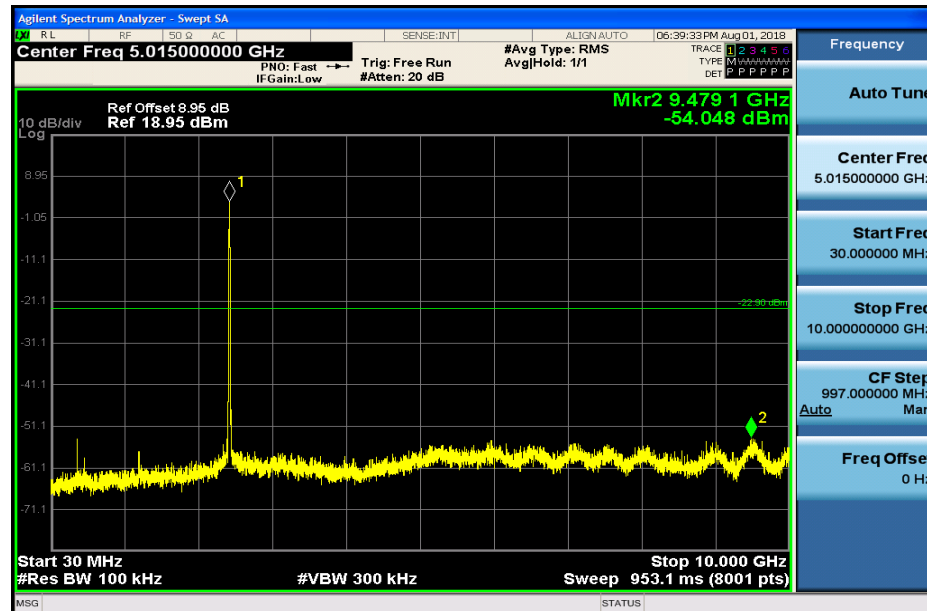


11N40SISO	2452	Ant1	10000	26000	100	300	0.622	-44.389	<- 29.378	PASS
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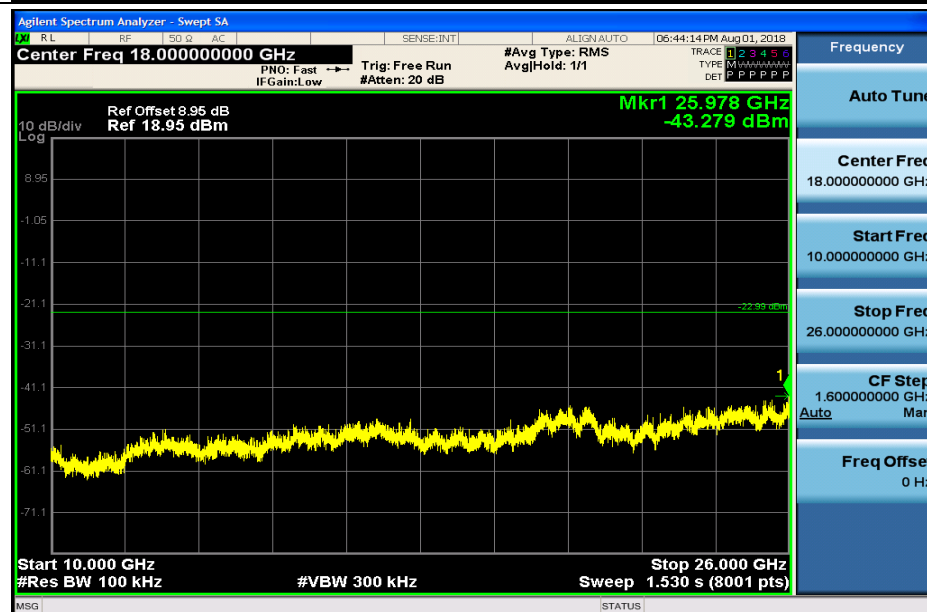
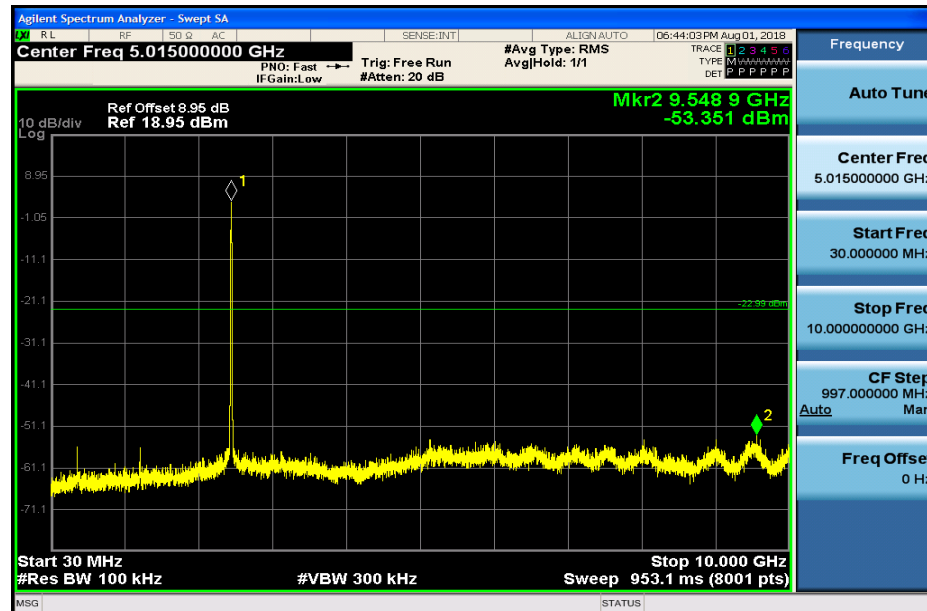
RF Conducted Spurious Emissions_11B_2412



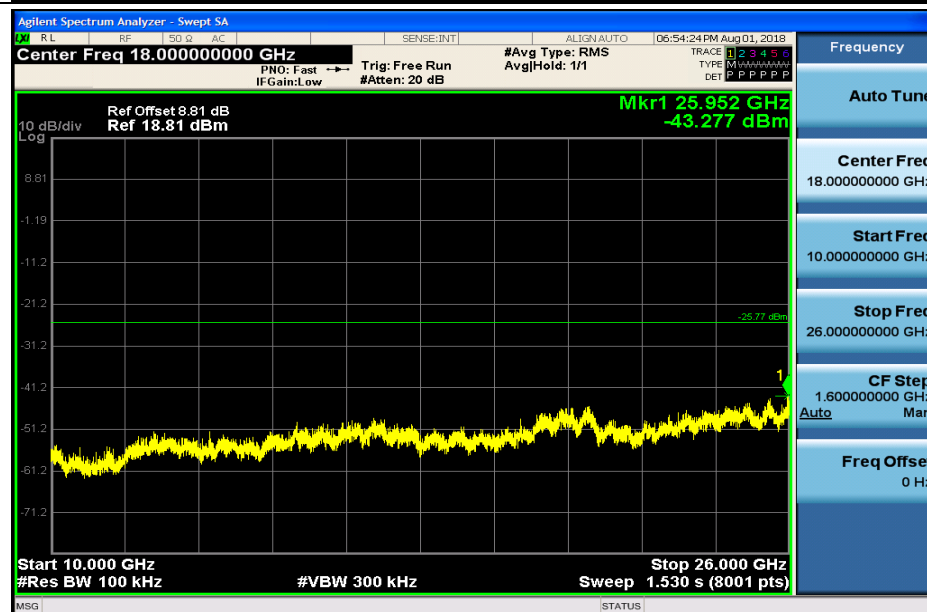
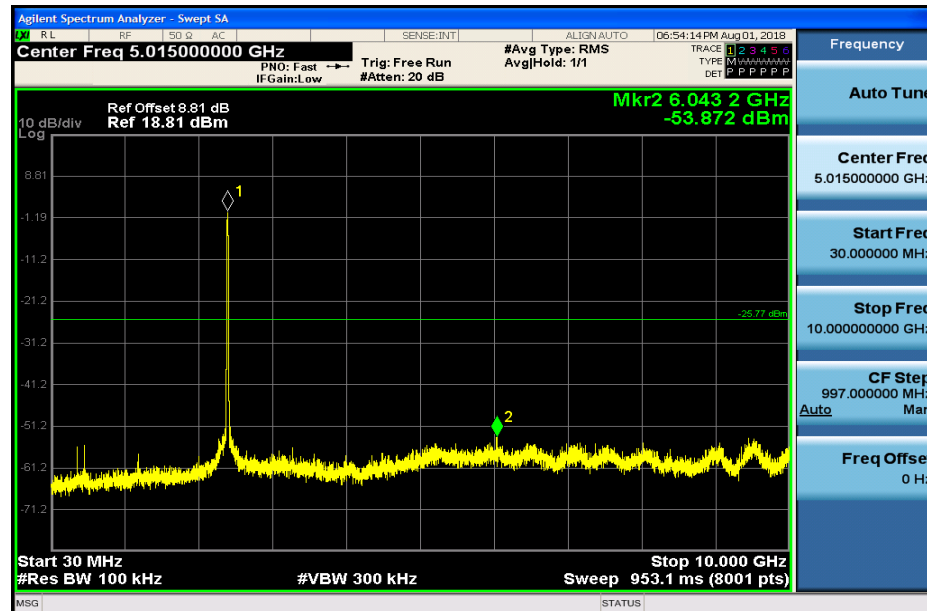
RF Conducted Spurious Emissions_11B_2437



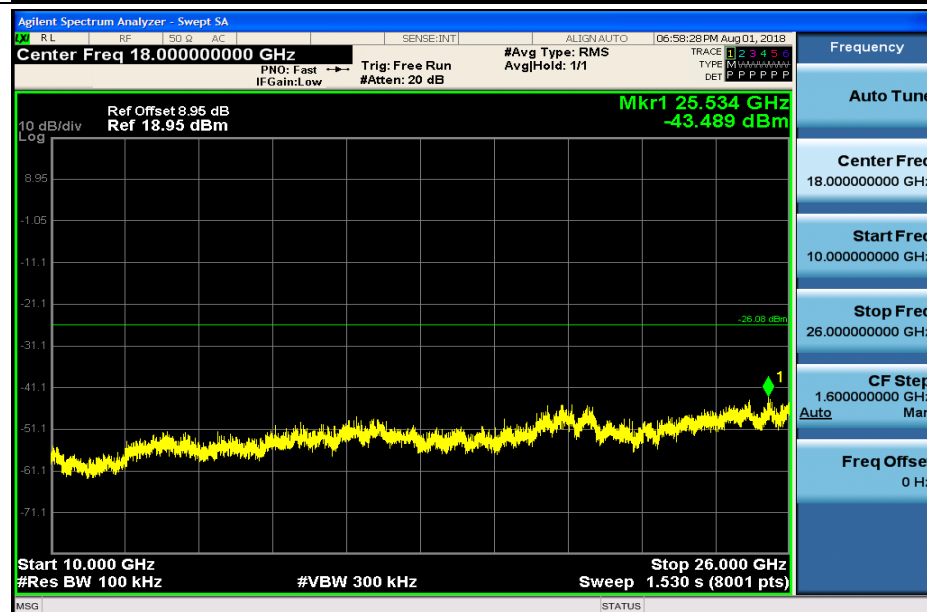
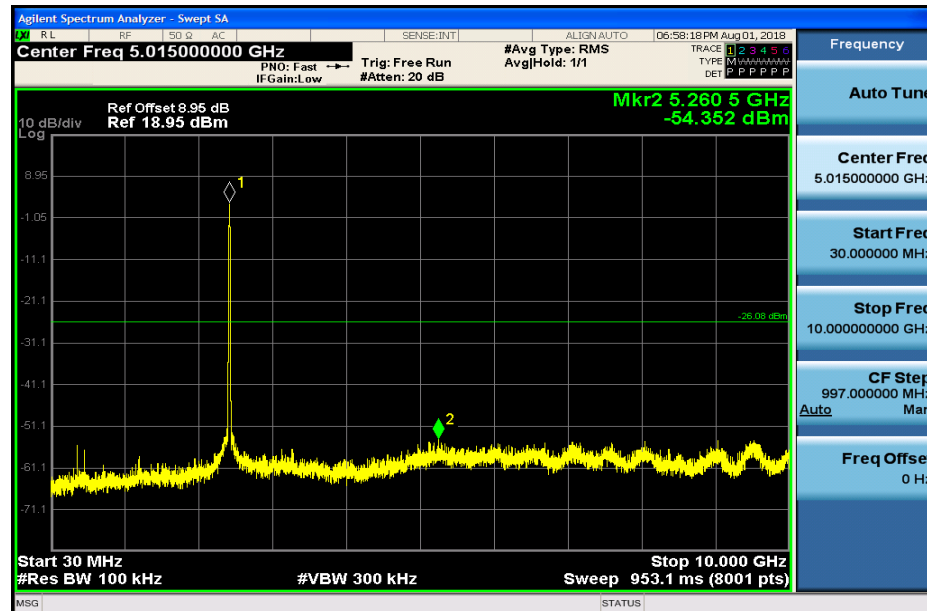
RF Conducted Spurious Emissions_11B_2462



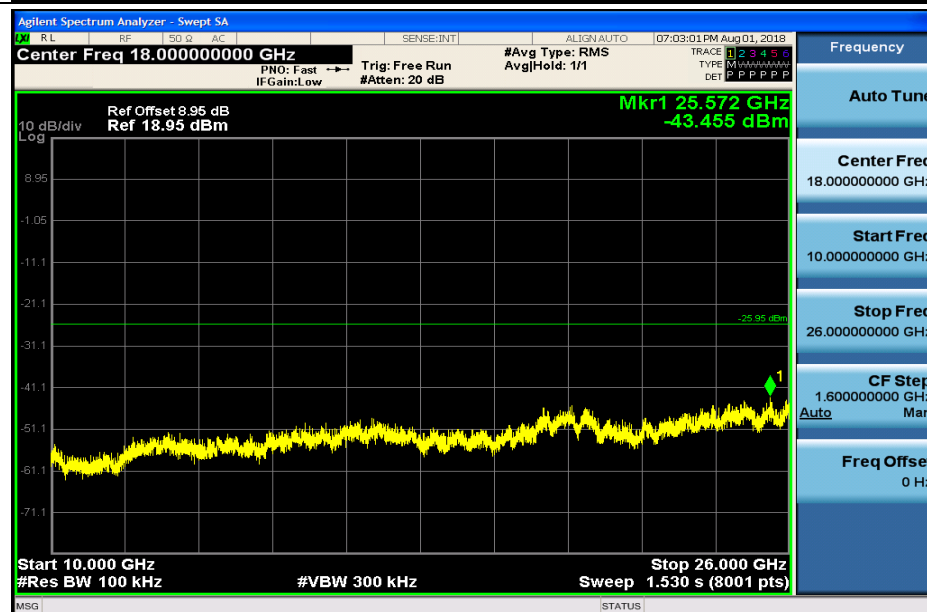
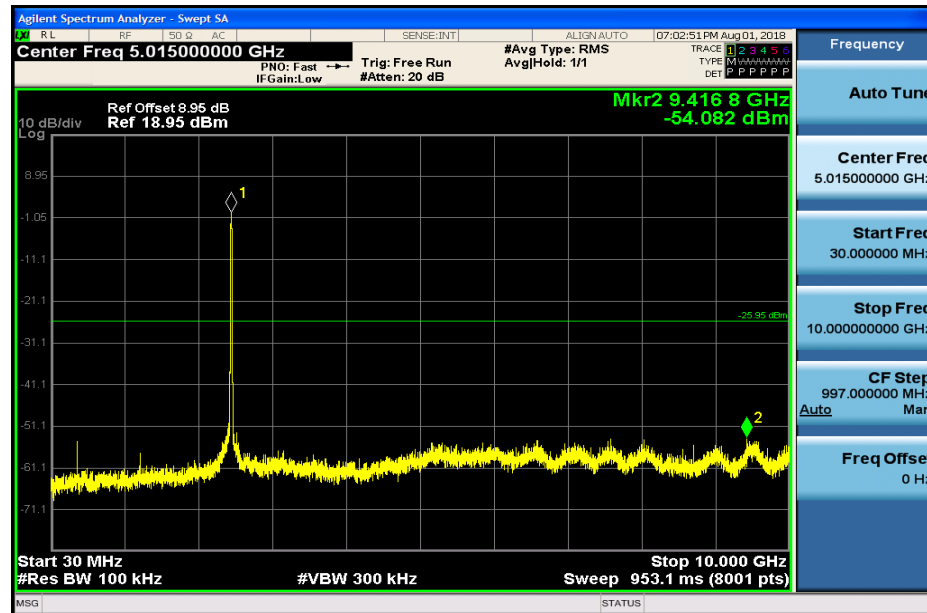
RF Conducted Spurious Emissions_11G_2412



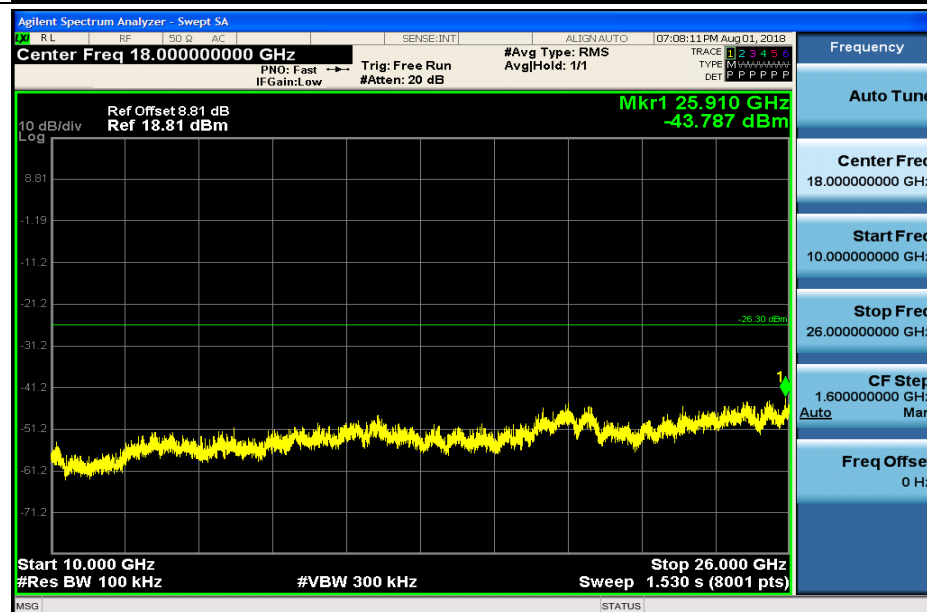
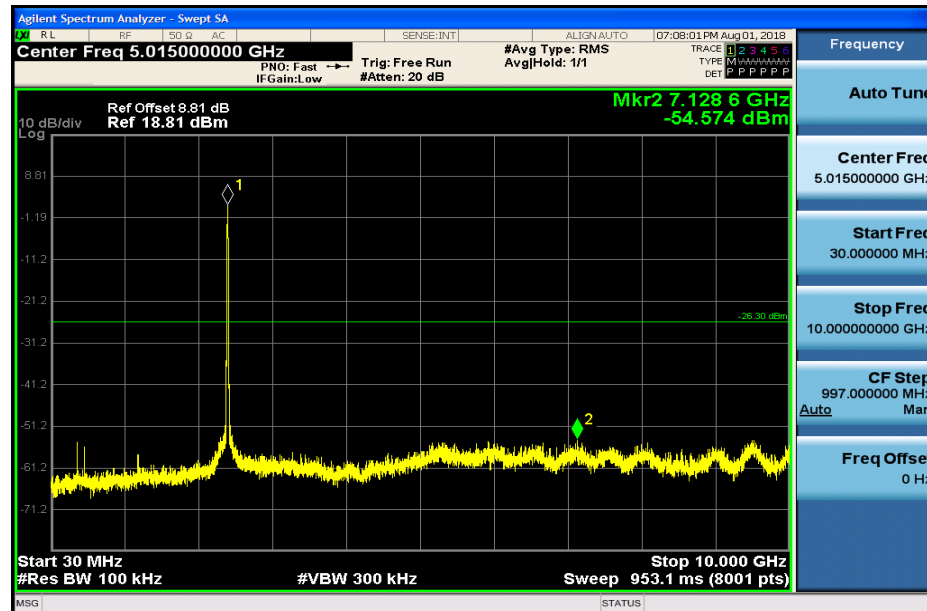
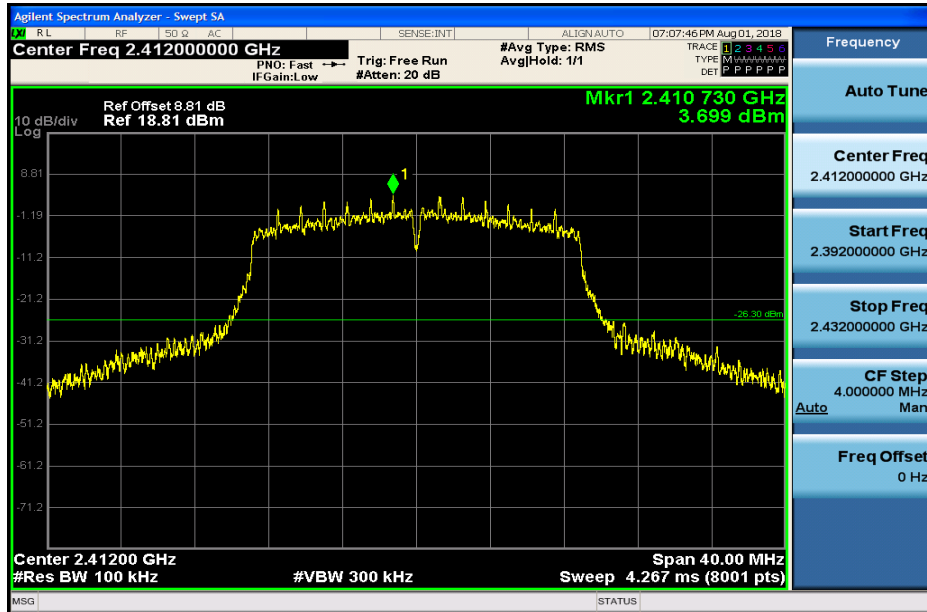
RF Conducted Spurious Emissions_11G_2437



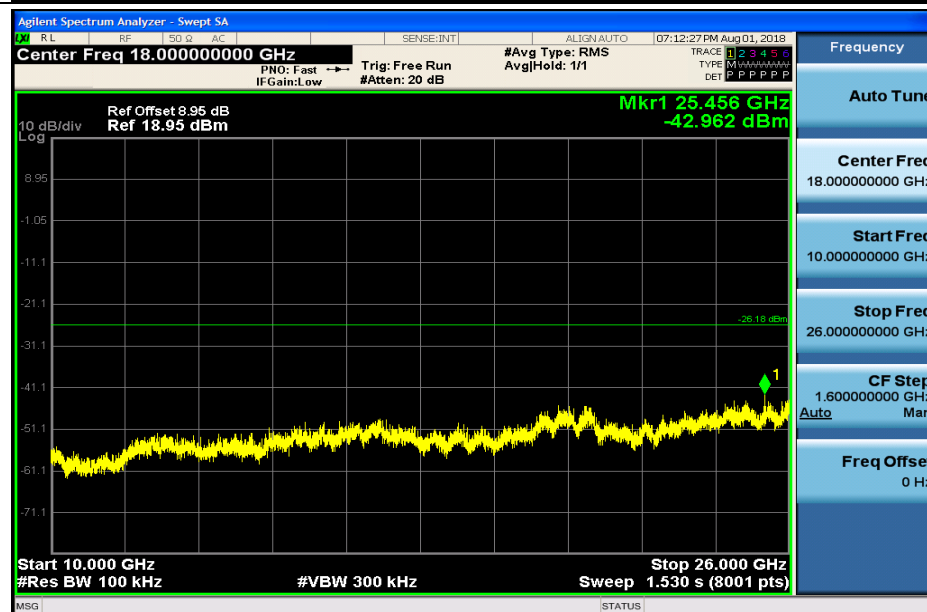
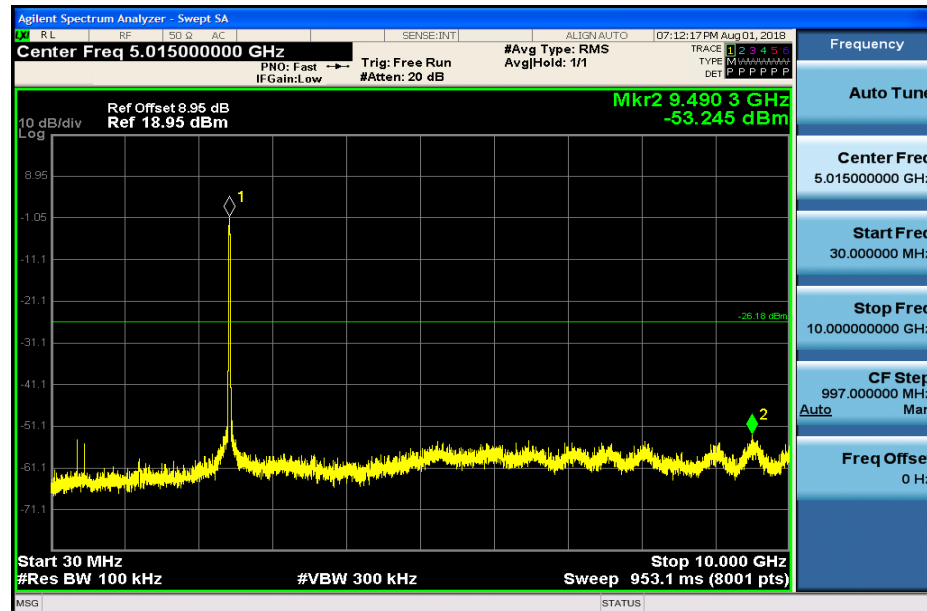
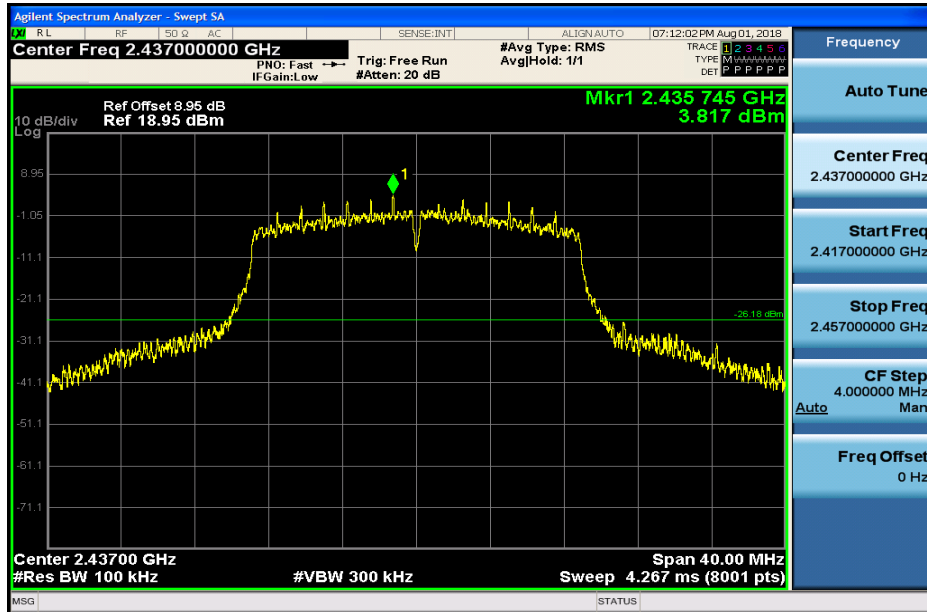
RF Conducted Spurious Emissions_11G_2462



RF Conducted Spurious Emissions_11N20SISO_2412



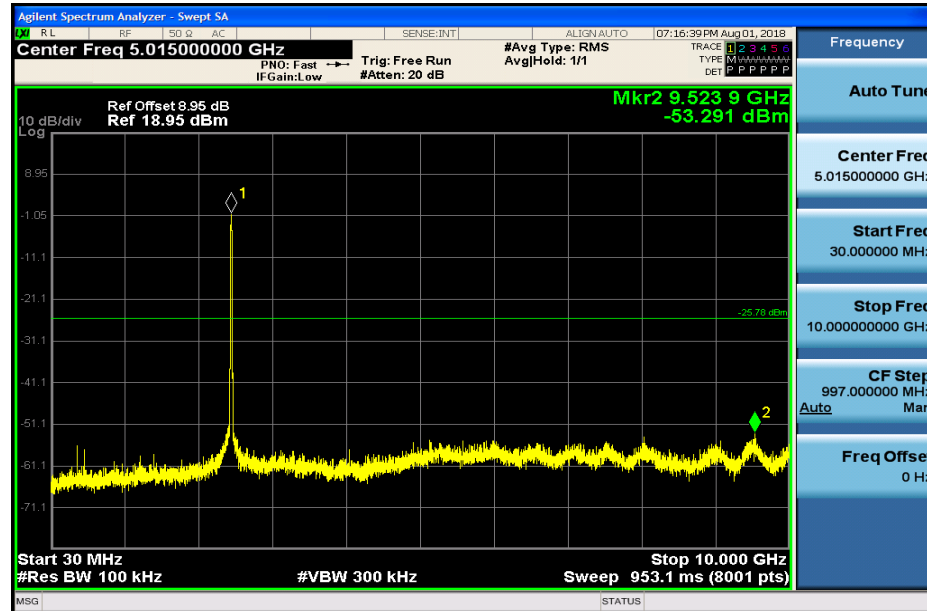
RF Conducted Spurious Emissions_11N20SISO_2437



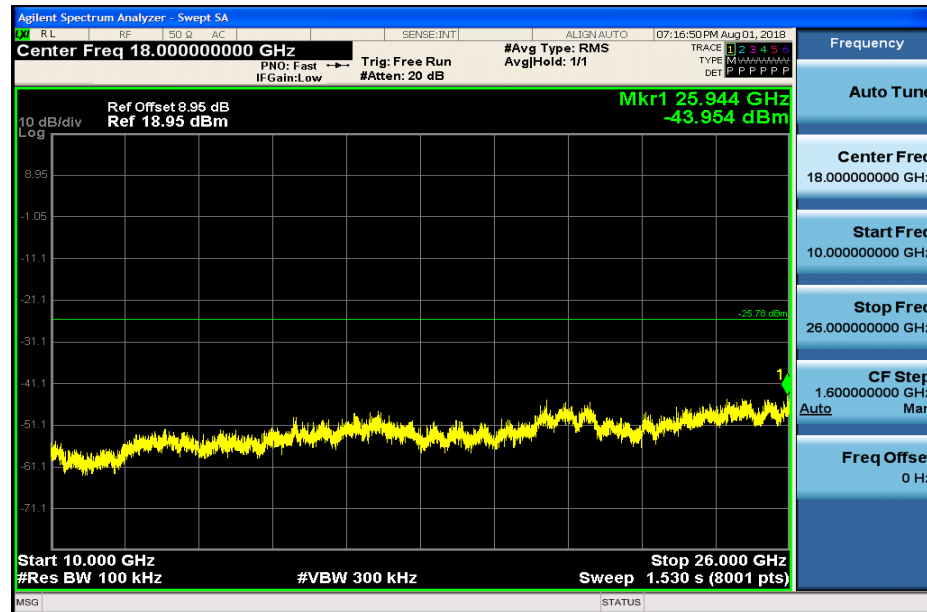
RF Conducted Spurious Emissions_11N20SISO_2462



Frequency	
Auto Tune	
Center Freq	2.462000000 GHz
Start Freq	2.442000000 GHz
Stop Freq	2.482000000 GHz
CF Step	4.000000 MHz
Auto	Man
Freq Offset	0 Hz

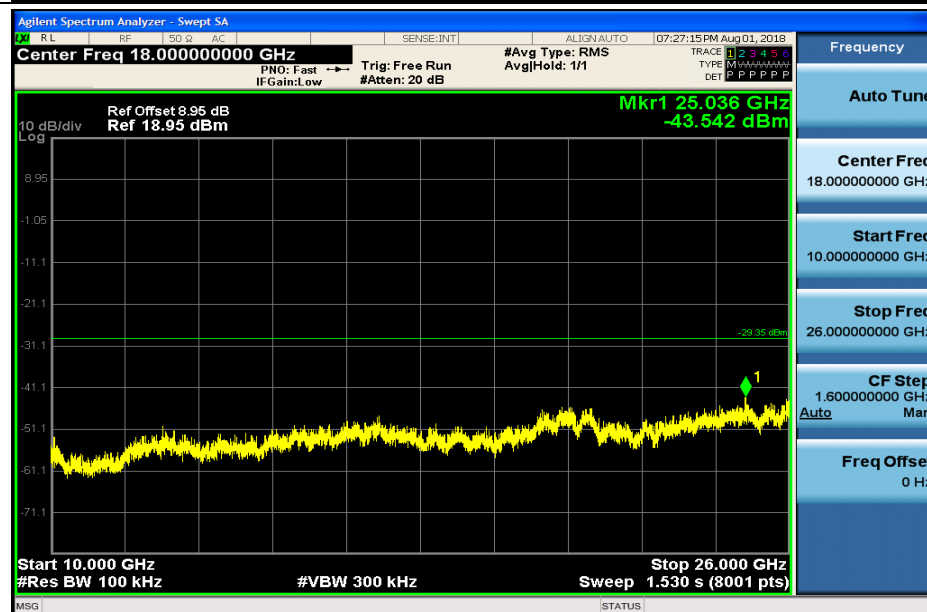
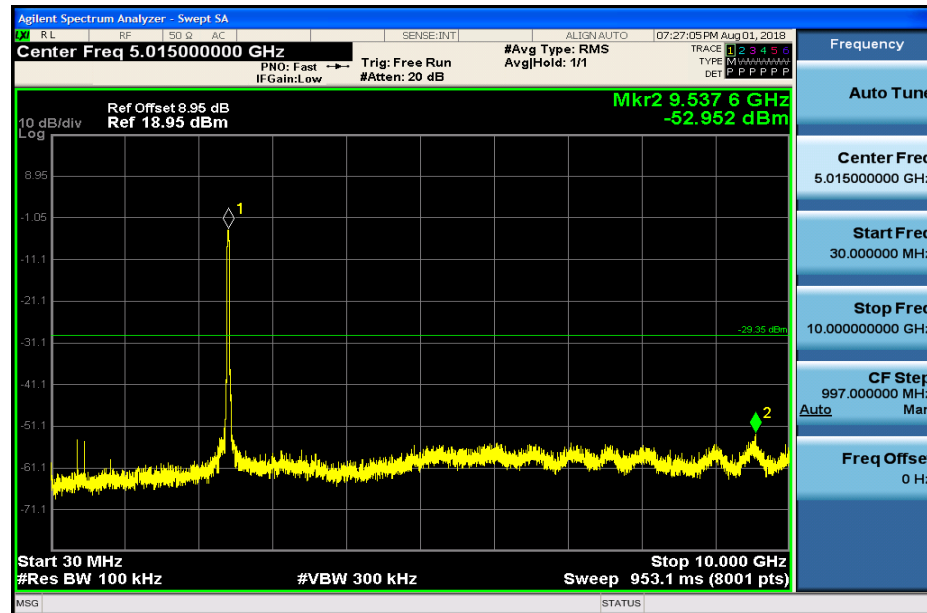
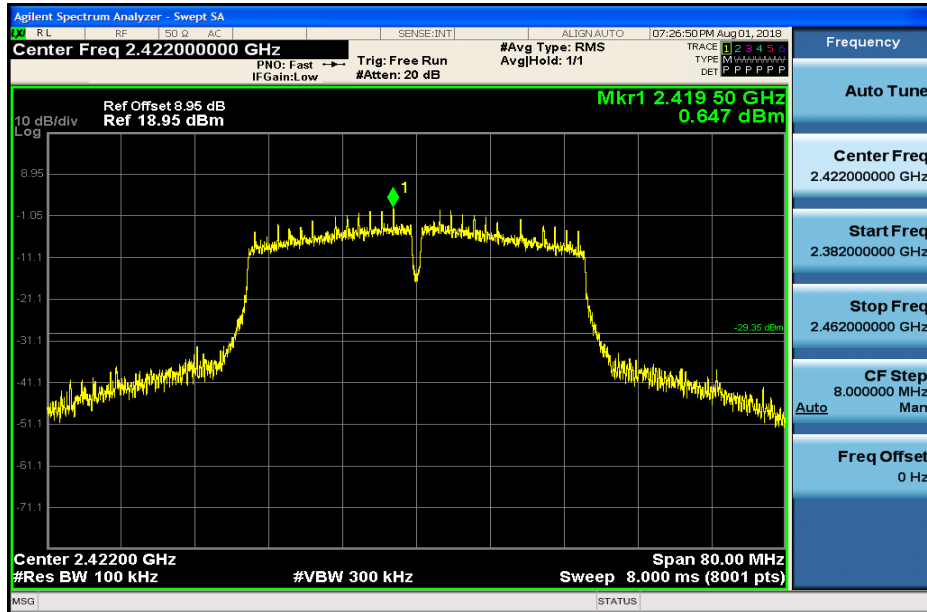


Frequency	
Auto Tune	
Center Freq	5.015000000 GHz
Start Freq	30.000000 MHz
Stop Freq	10.000000000 GHz
CF Step	997.000000 MHz
Auto	Man
Freq Offset	0 Hz

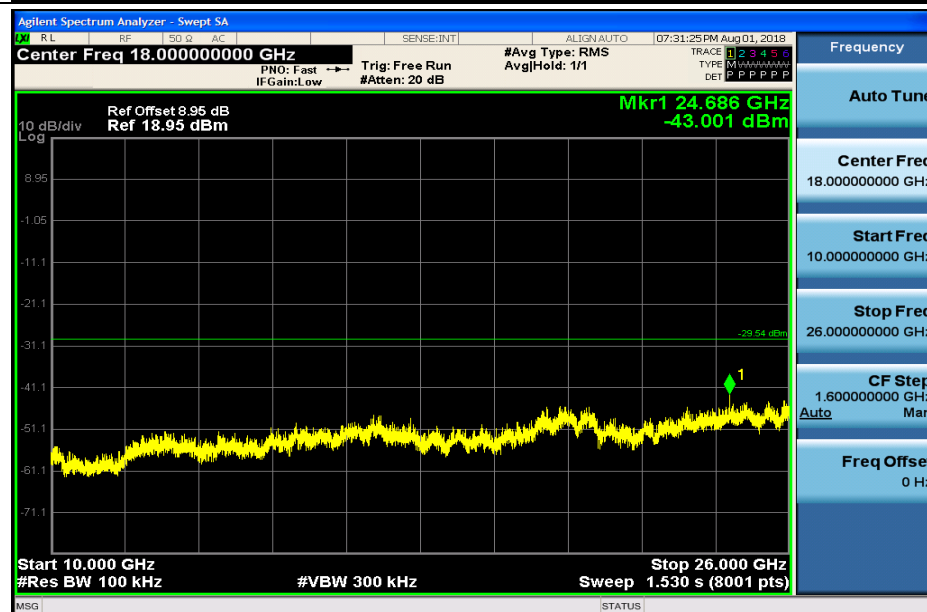
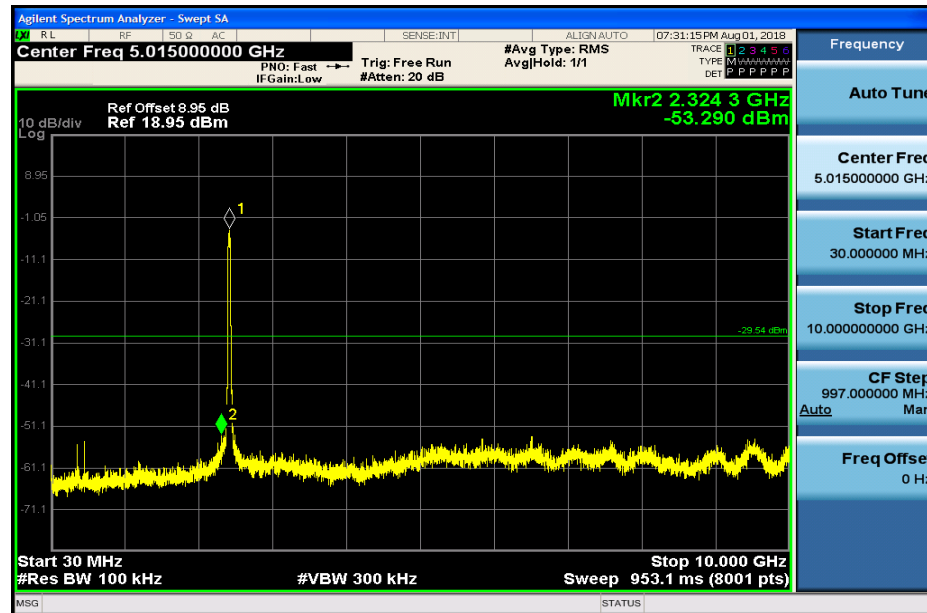
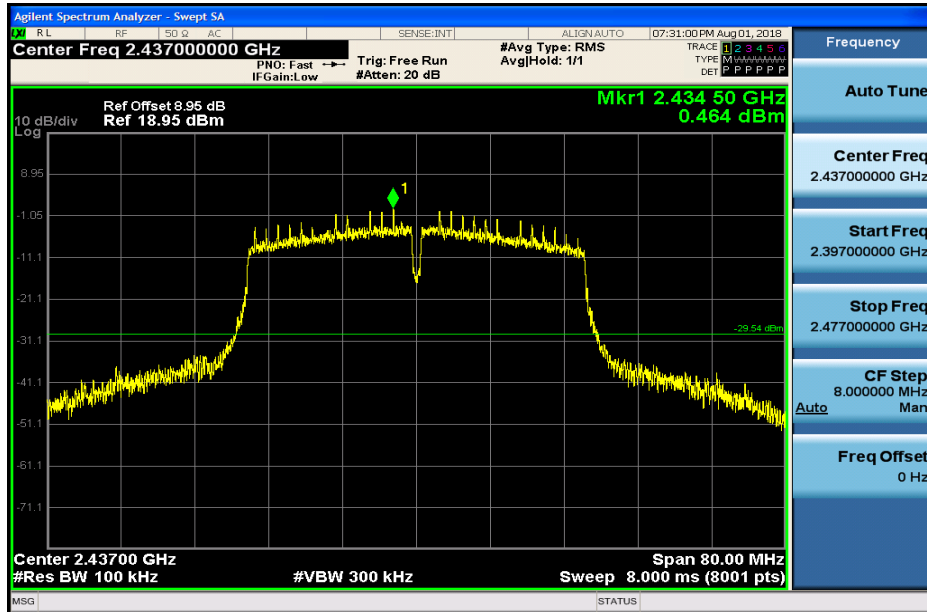


Frequency	
Auto Tune	
Center Freq	18.000000000 GHz
Start Freq	10.000000000 GHz
Stop Freq	26.000000000 GHz
CF Step	1.600000000 GHz
Auto	Man
Freq Offset	0 Hz

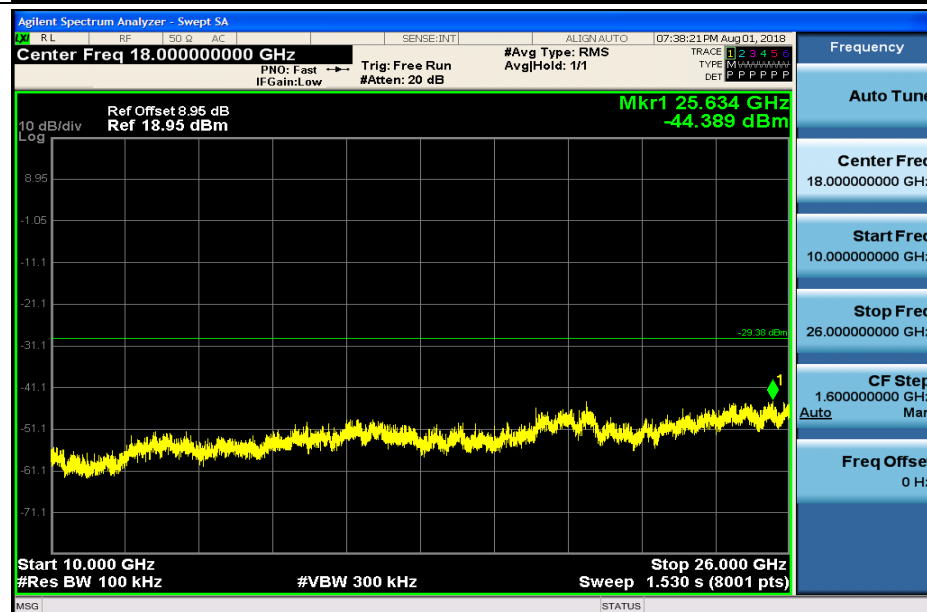
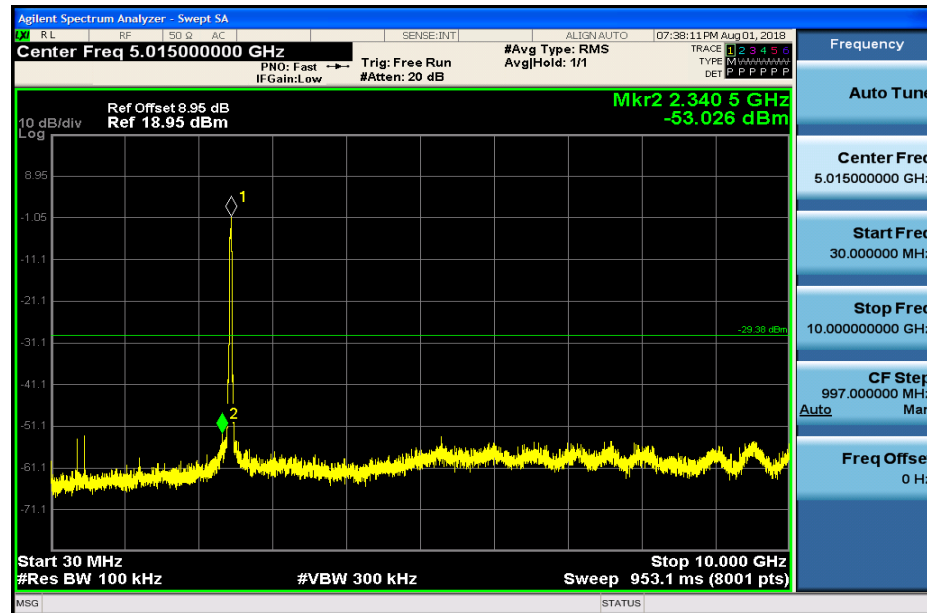
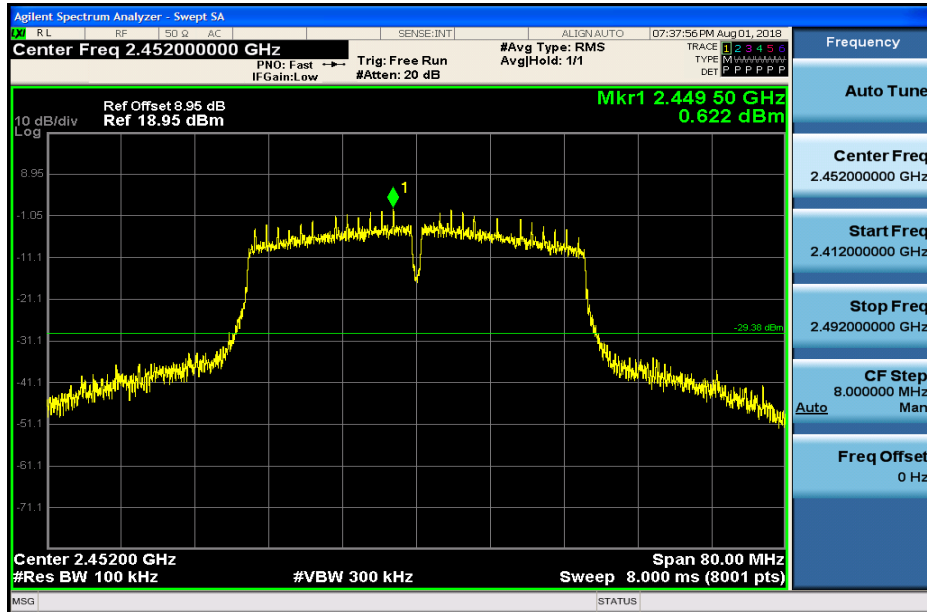
RF Conducted Spurious Emissions_11N40SISO_2422



RF Conducted Spurious Emissions_11N40SISO_2437



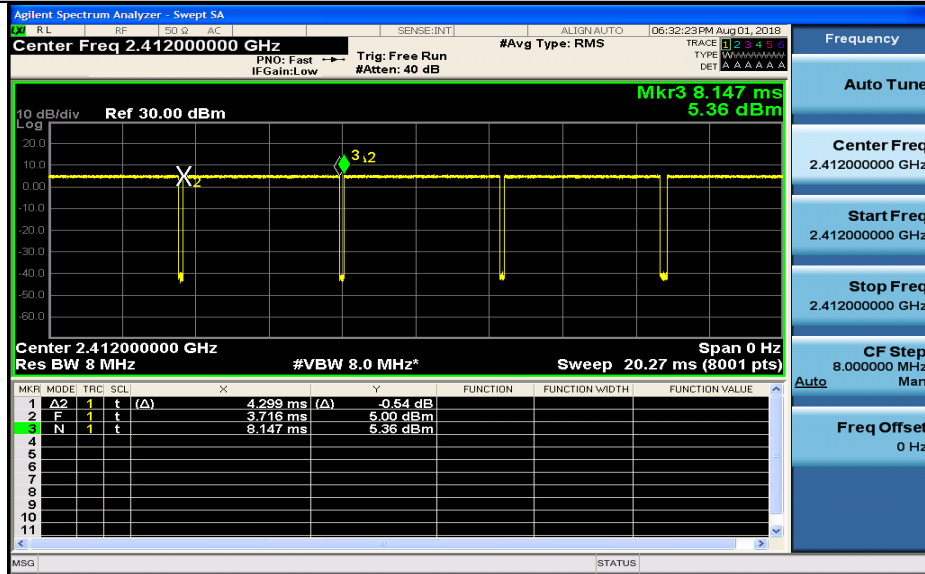
RF Conducted Spurious Emissions_11N40SISO_2452



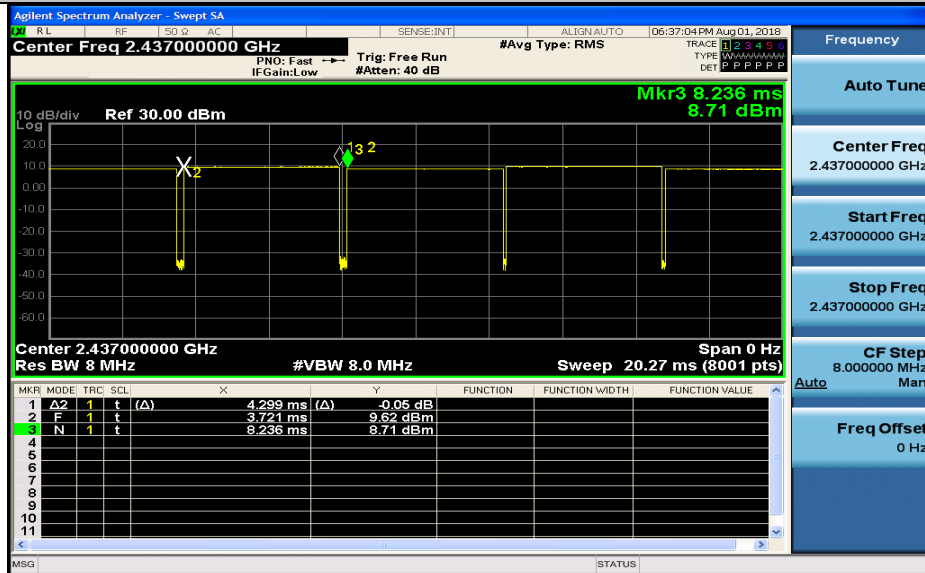
6.Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	97.03	0.13
11B	2437	Ant1	95.23	0.21
11B	2462	Ant1	96.81	0.14
11G	2412	Ant1	88.41	0.53
11G	2437	Ant1	86.46	0.63
11G	2462	Ant1	89.85	0.46
11N20SISO	2412	Ant1	92.55	0.34
11N20SISO	2437	Ant1	92.55	0.34
11N20SISO	2462	Ant1	85.40	0.69
11N40SISO	2422	Ant1	83.00	0.81
11N40SISO	2437	Ant1	76.62	1.16
11N40SISO	2452	Ant1	88.30	0.54

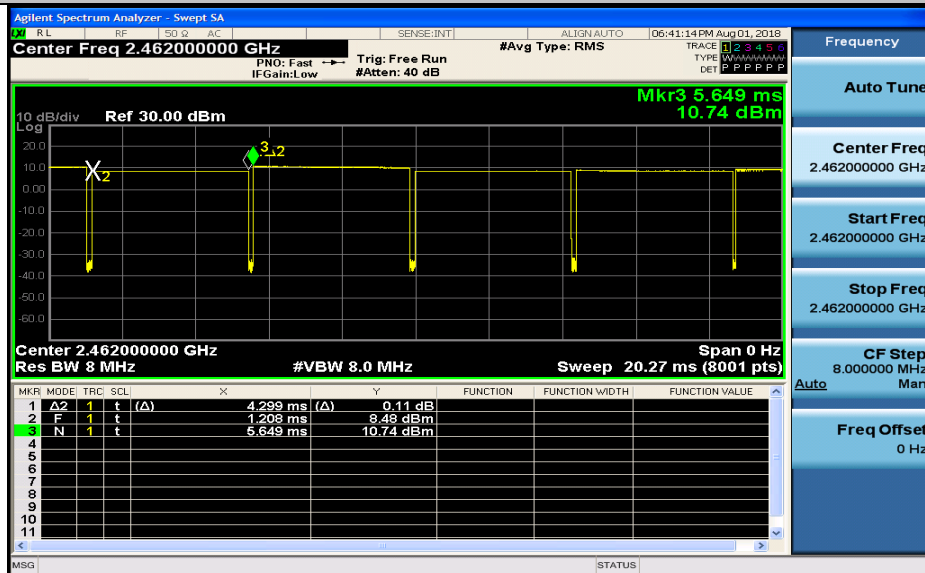
Duty Cycle_11B_2412_Ant1



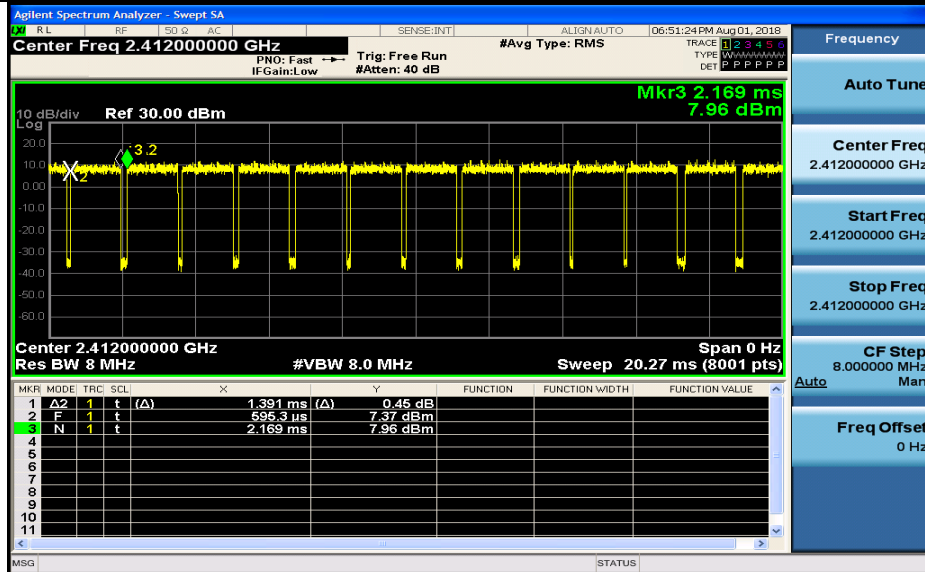
Duty Cycle_11B_2437_Ant1



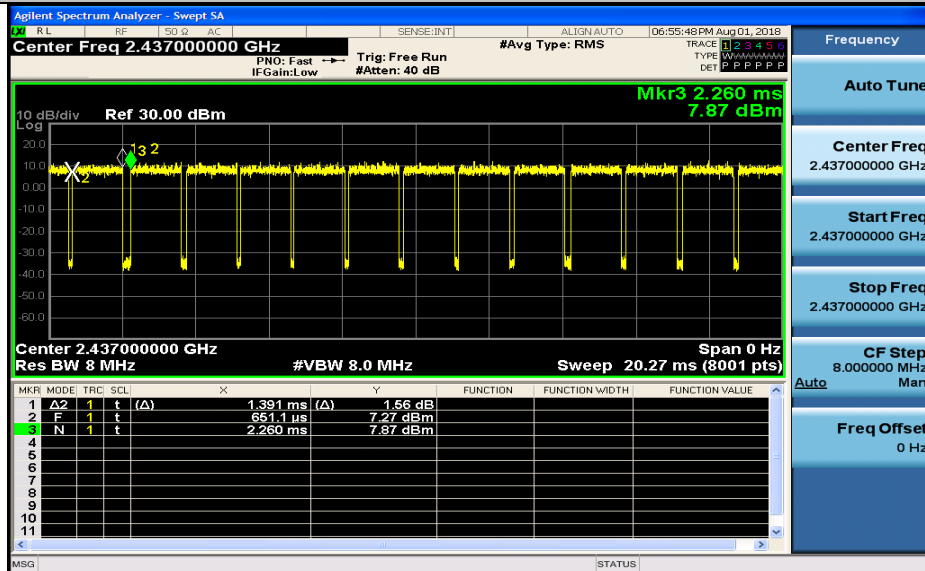
Duty Cycle_11B_2462_Ant1



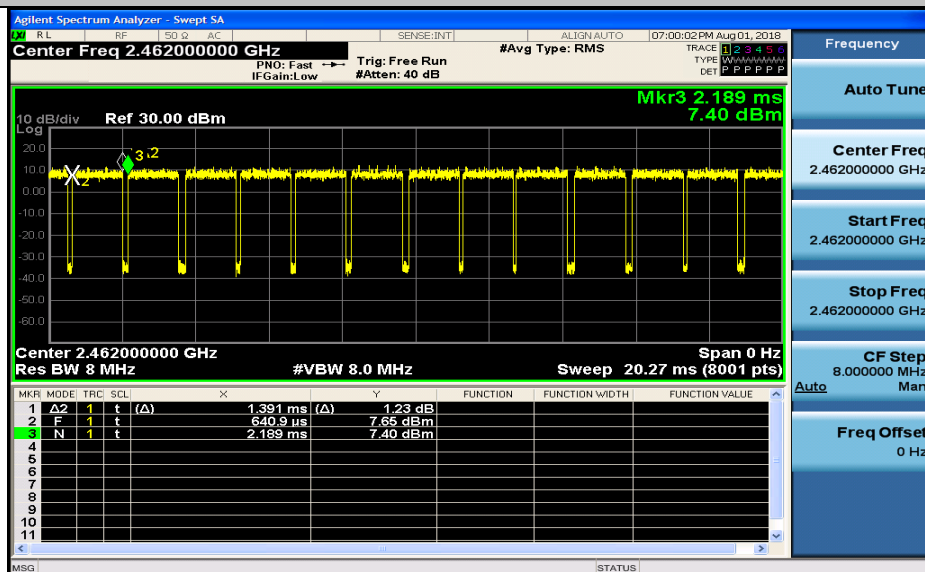
Duty Cycle_11G_2412_Ant1



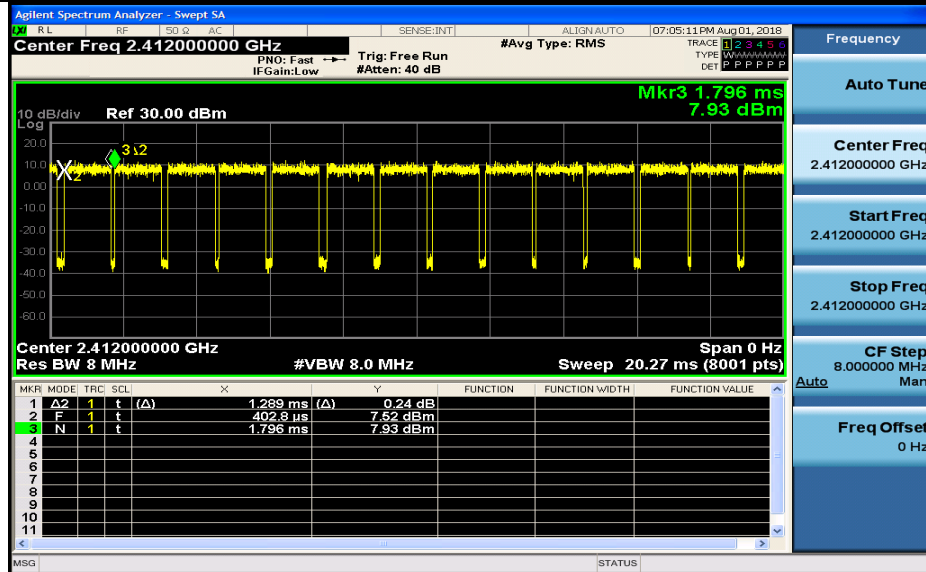
Duty Cycle_11G_2437_Ant1



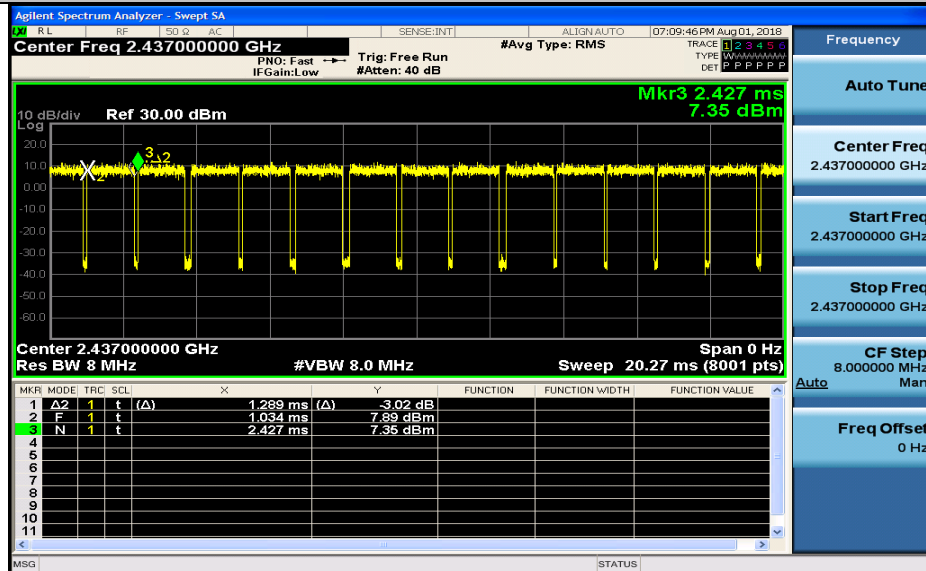
Duty Cycle_11G_2462_Ant1



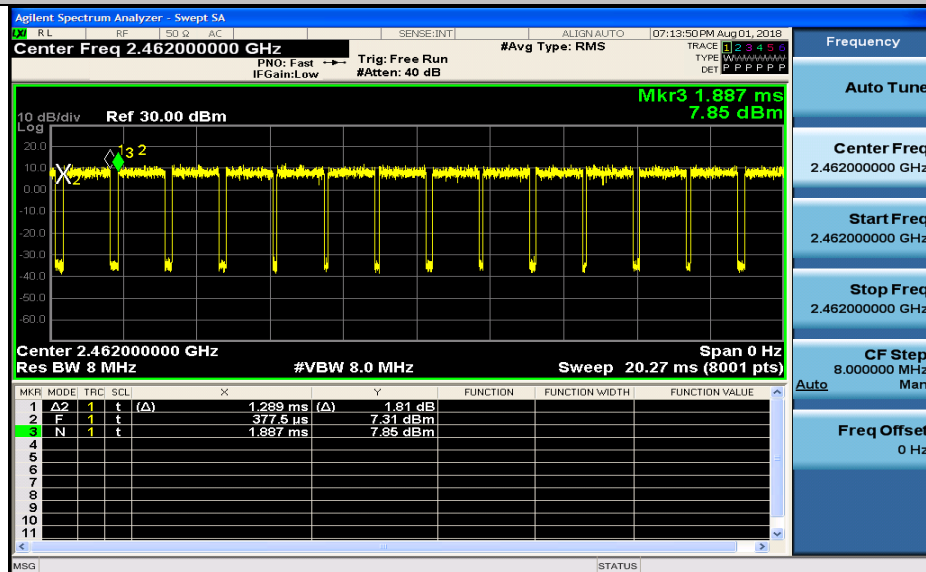
Duty Cycle_11N20SISO_2412_Ant1



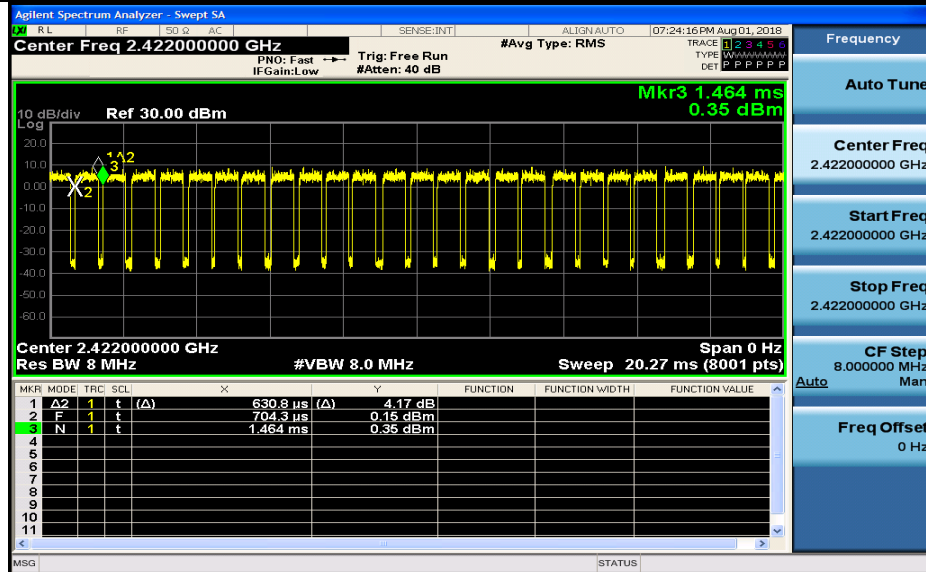
Duty Cycle_11N20SISO_2437_Ant1



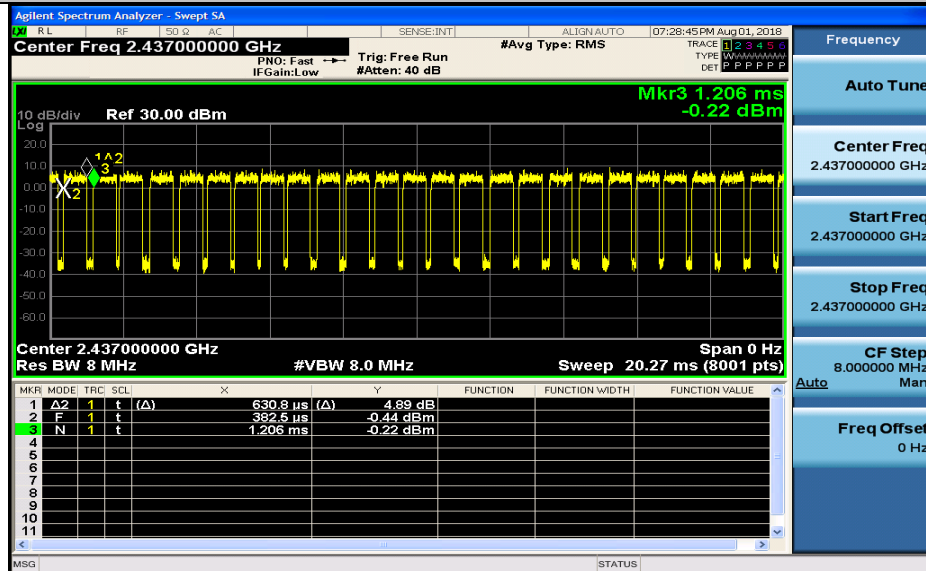
Duty Cycle_11N20SISO_2462_Ant1



Duty Cycle_11N40SISO_2422_Ant1



Duty Cycle_11N40SISO_2437_Ant1



Duty Cycle_11N40SISO_2452_Ant1

