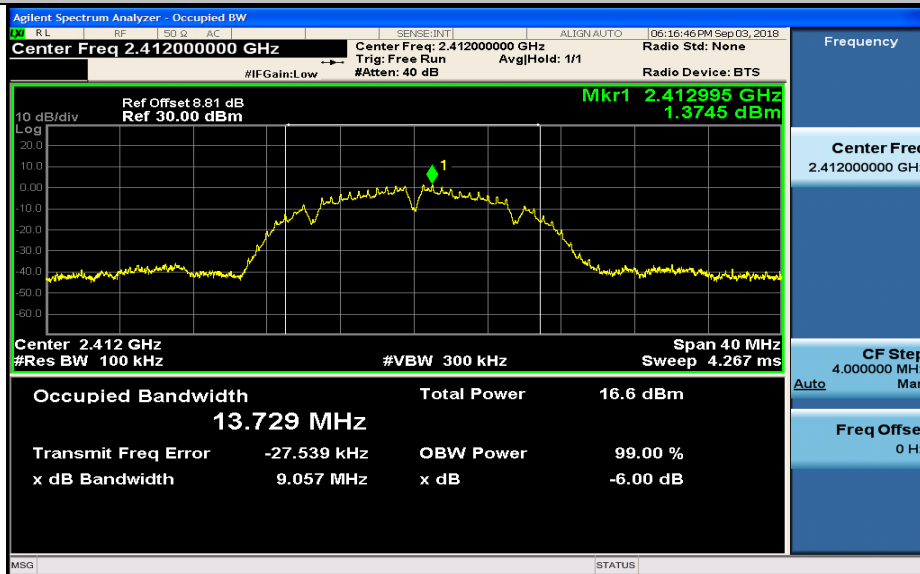


Appendix A for SHEM180800670001

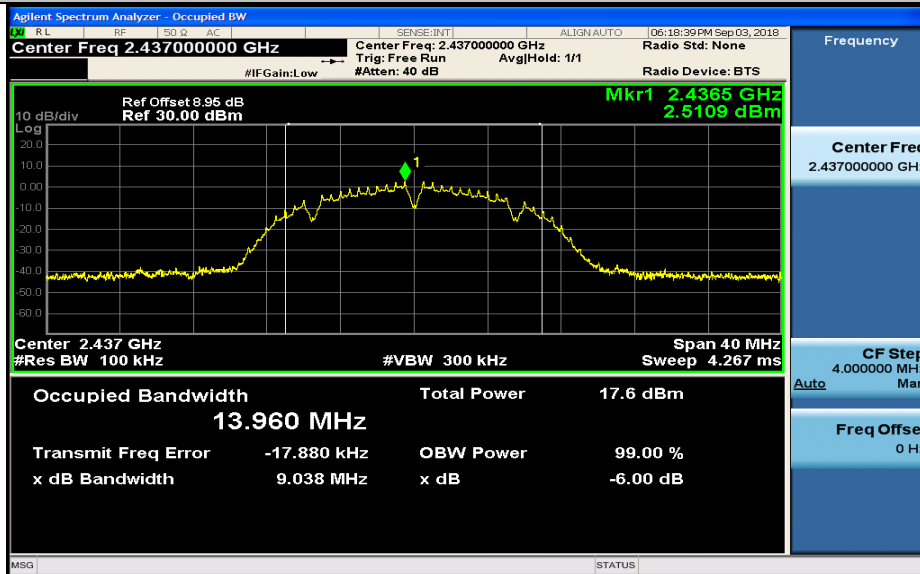
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	9.06	0.5	PASS
11B	2437	Ant1	9.04	0.5	PASS
11B	2462	Ant1	16.29	0.5	PASS
11G	2412	Ant1	15.66	0.5	PASS
11G	2437	Ant1	15.94	0.5	PASS
11G	2462	Ant1	16.02	0.5	PASS
11N20SISO	2412	Ant1	17.54	0.5	PASS
11N20SISO	2437	Ant1	17.55	0.5	PASS
11N20SISO	2462	Ant1	17.16	0.5	PASS

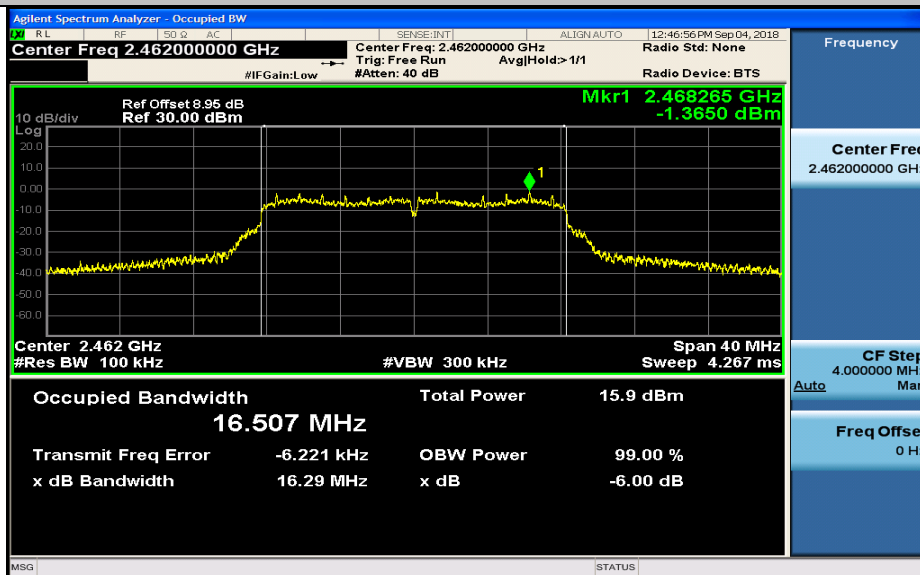
6dB Bandwidth_11B_2412_Ant1



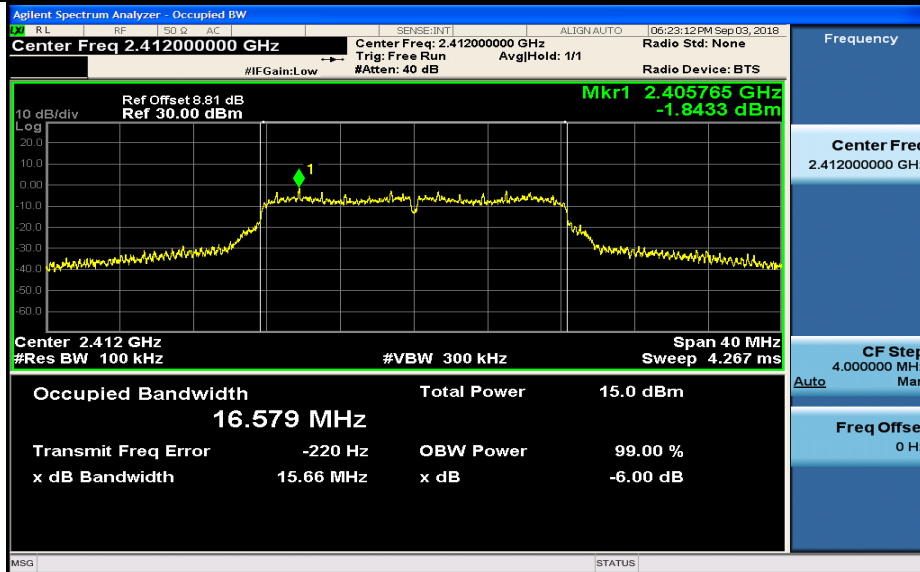
6dB Bandwidth_11B_2437_Ant1



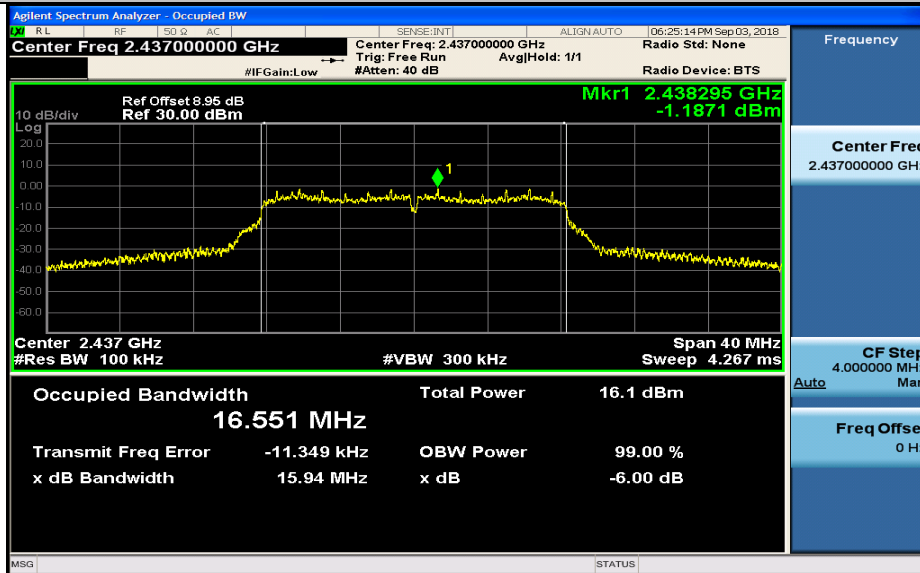
6dB Bandwidth_11B_2462_Ant1



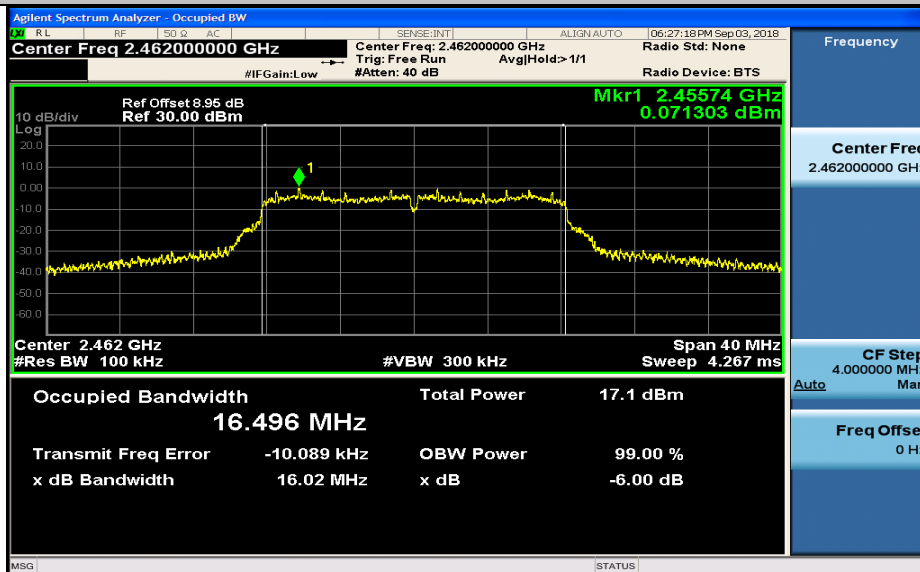
6dB Bandwidth_11G_2412_Ant1



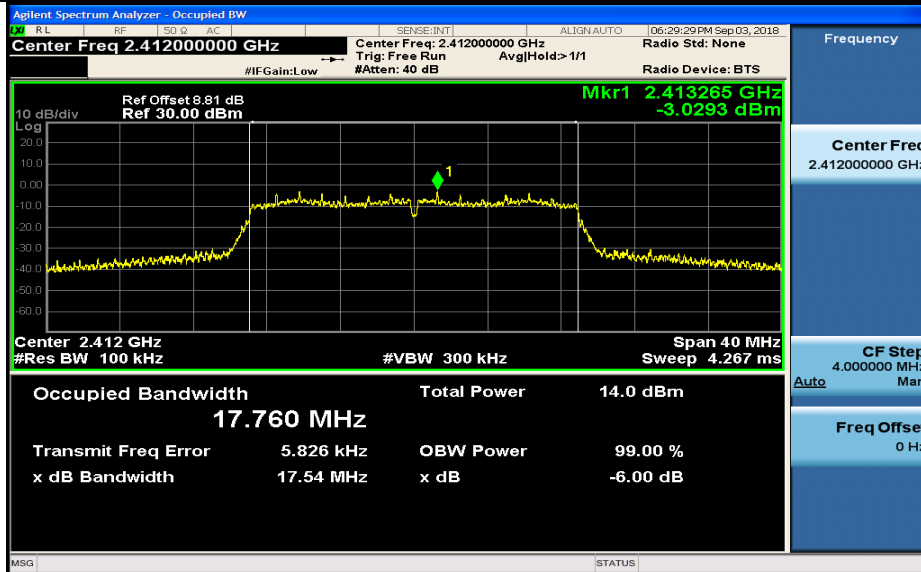
6dB Bandwidth_11G_2437_Ant1



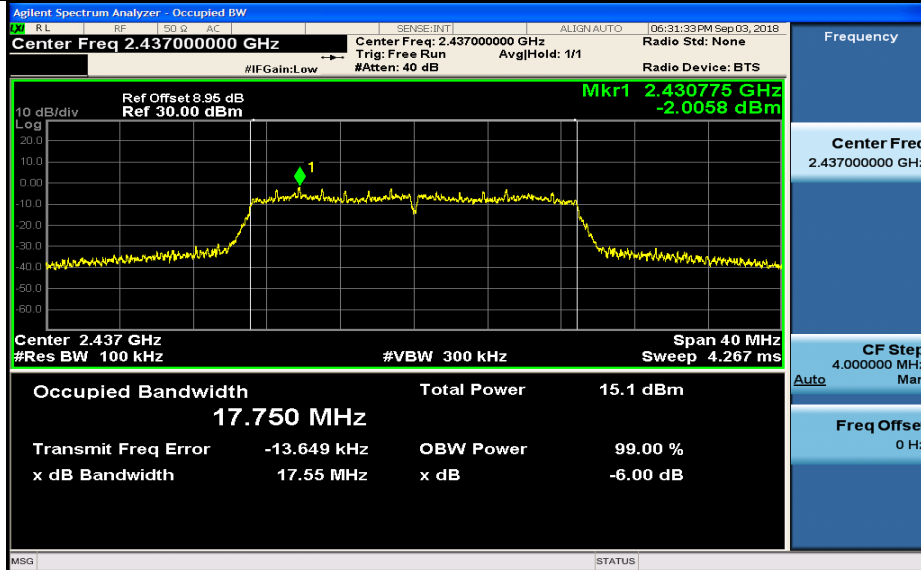
6dB Bandwidth_11G_2462_Ant1



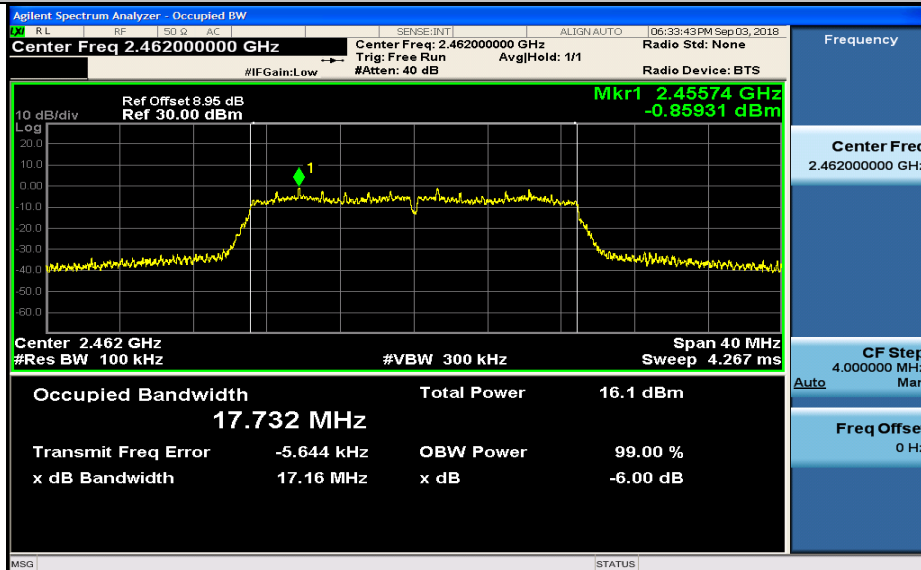
6dB Bandwidth_11N20SISO_2412_Ant1



6dB Bandwidth_11N20SISO_2437_Ant1



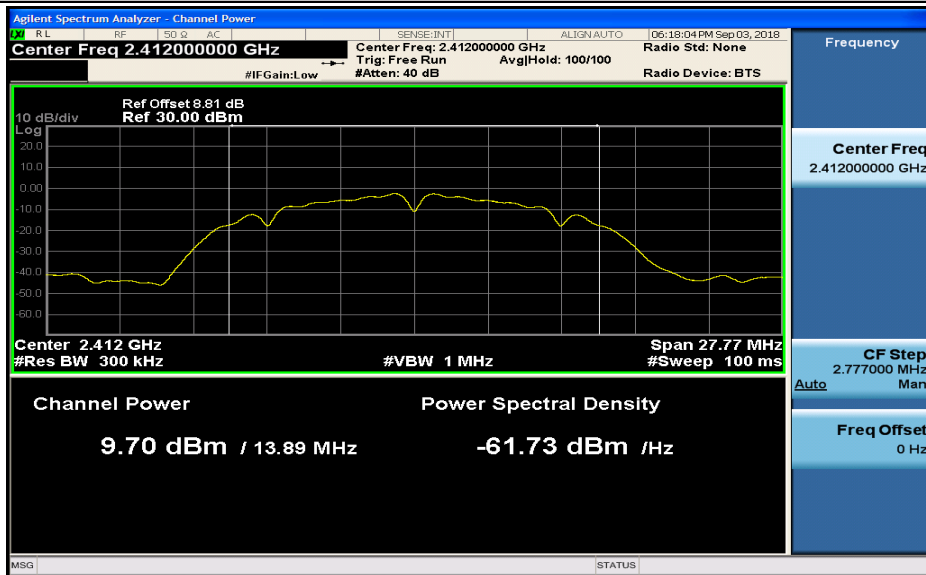
6dB Bandwidth_11N20SISO_2462_Ant1



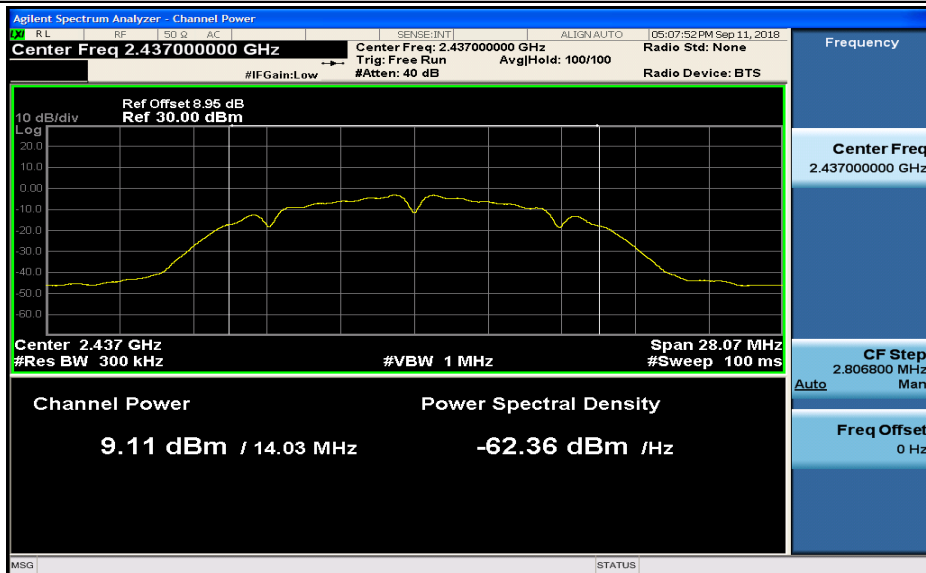
2.Maximum conducted (average) output power

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	9.7	0.02	9.72	30	PASS
11B	2437	Ant1	9.11	0.02	9.12	30	PASS
11B	2462	Ant1	9.43	0.10	9.53	30	PASS
11G	2412	Ant1	8.41	0.11	8.52	30	PASS
11G	2437	Ant1	9.5	0.11	9.61	30	PASS
11G	2462	Ant1	9.5	0.11	9.61	30	PASS
11N20SISO	2412	Ant1	7.35	0.11	7.47	30	PASS
11N20SISO	2437	Ant1	8.39	0.12	8.51	30	PASS
11N20SISO	2462	Ant1	8.47	0.12	8.59	30	PASS

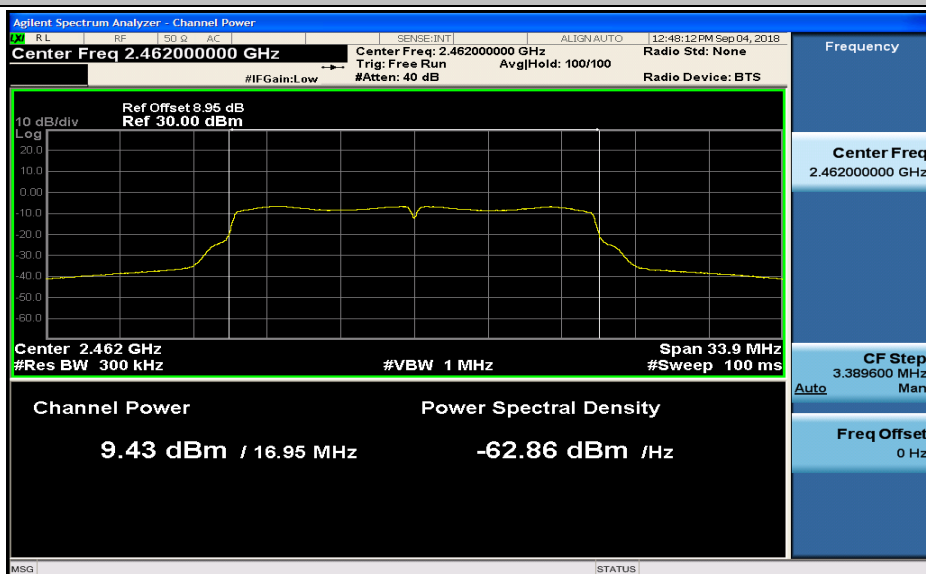
Maximum conducted (average) output power_11B_2412_Ant1



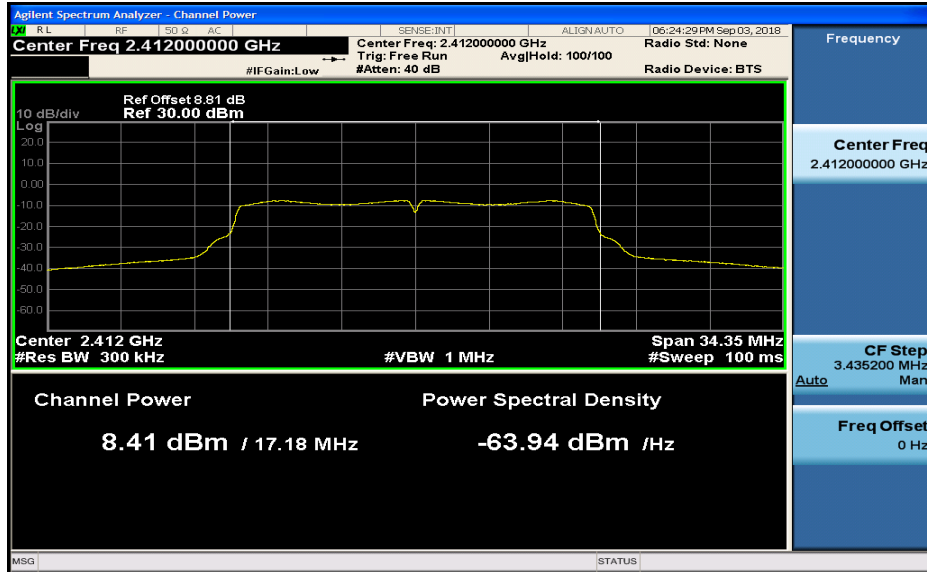
Maximum conducted (average) output power_11B_2437_Ant1



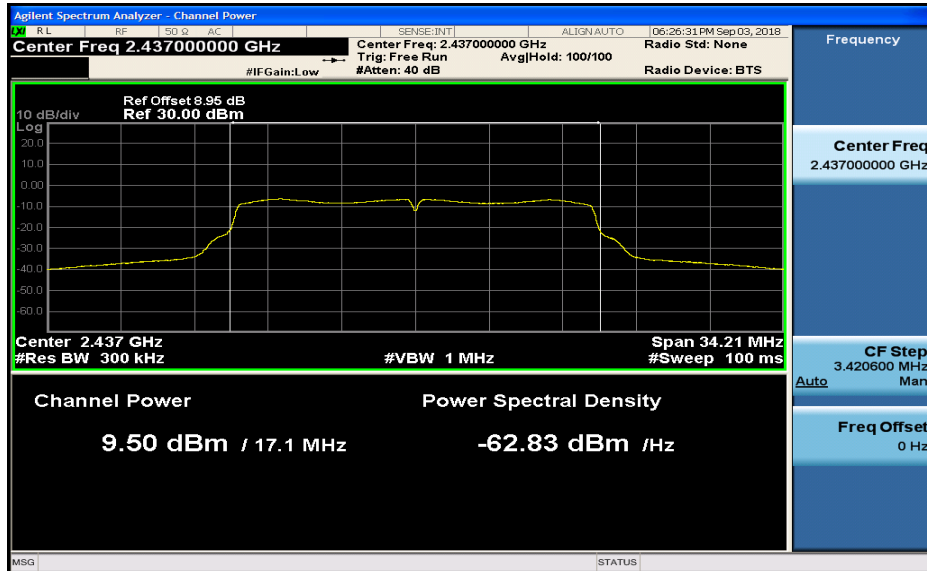
Maximum conducted (average) output power_11B_2462_Ant1



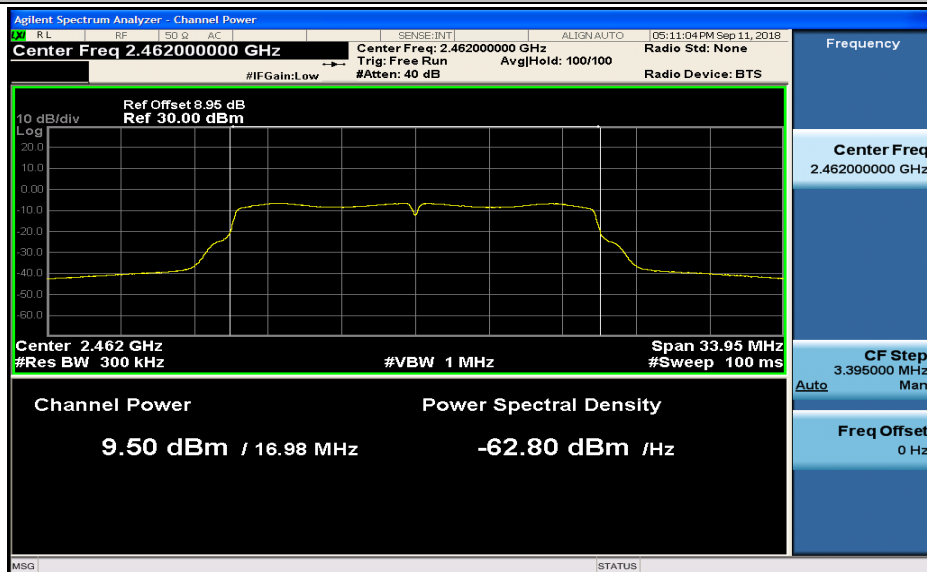
Maximum conducted (average) output power_11G_2412_Ant1



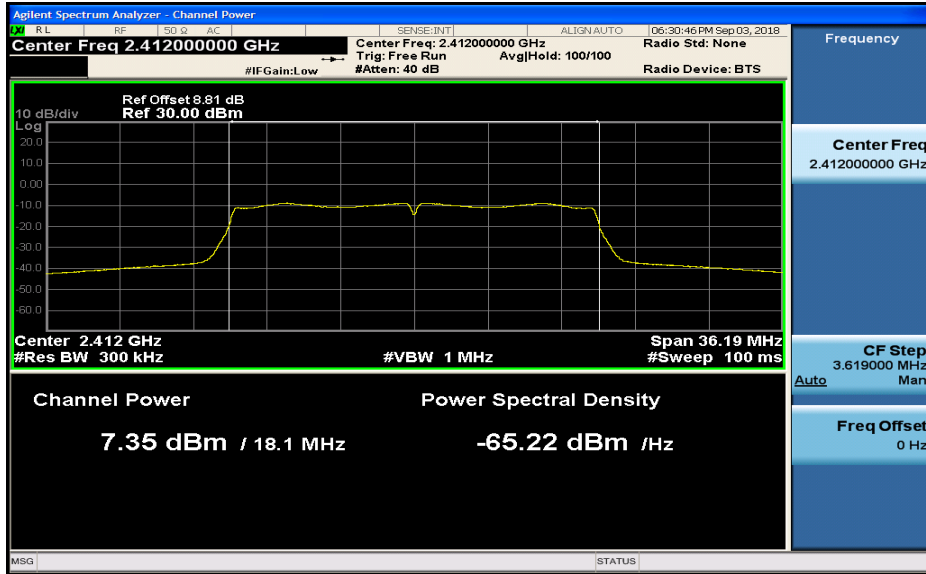
Maximum conducted (average) output power_11G_2437_Ant1



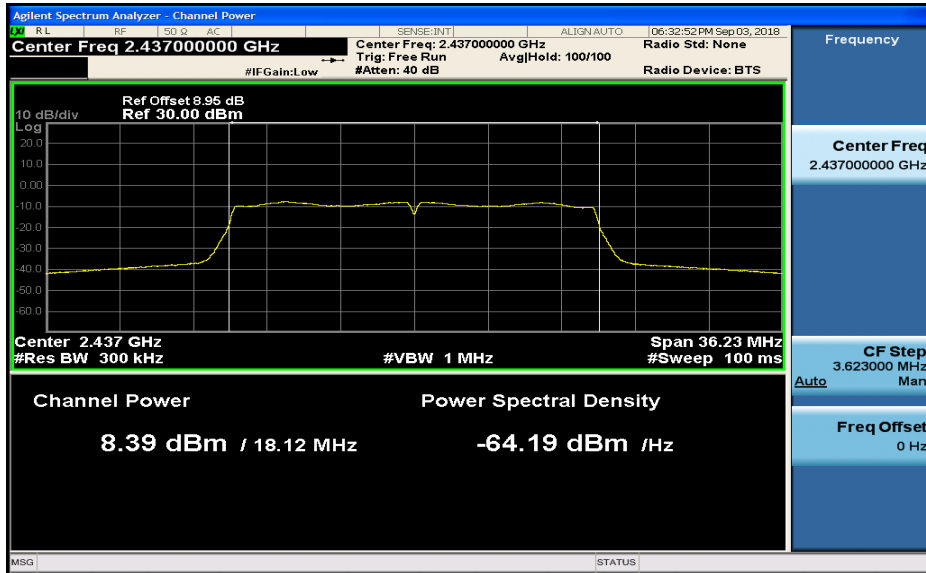
Maximum conducted (average) output power_11G_2462_Ant1



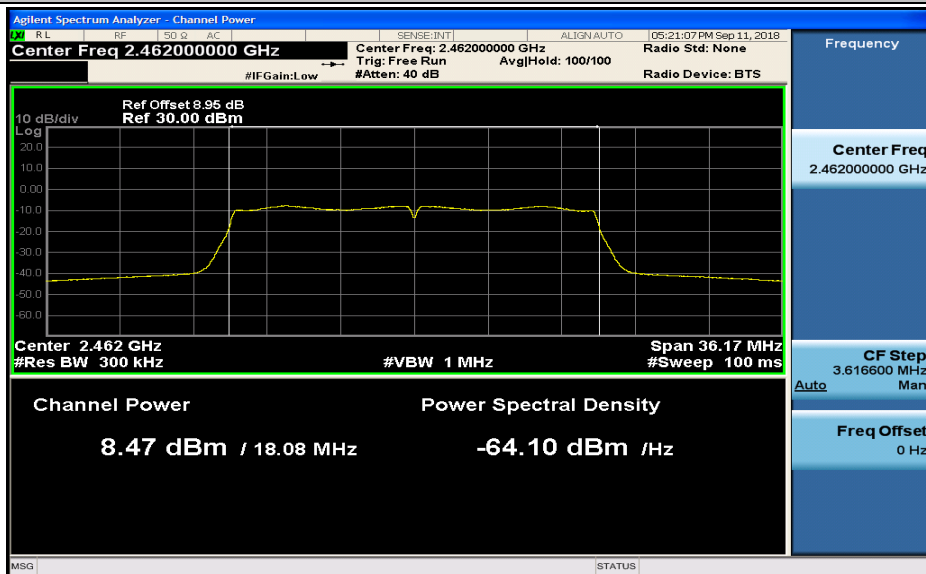
Maximum conducted (average) output power_11N20SISO_2412_Ant1



Maximum conducted (average) output power_11N20SISO_2437_Ant1



Maximum conducted (average) output power_11N20SISO_2462_Ant1



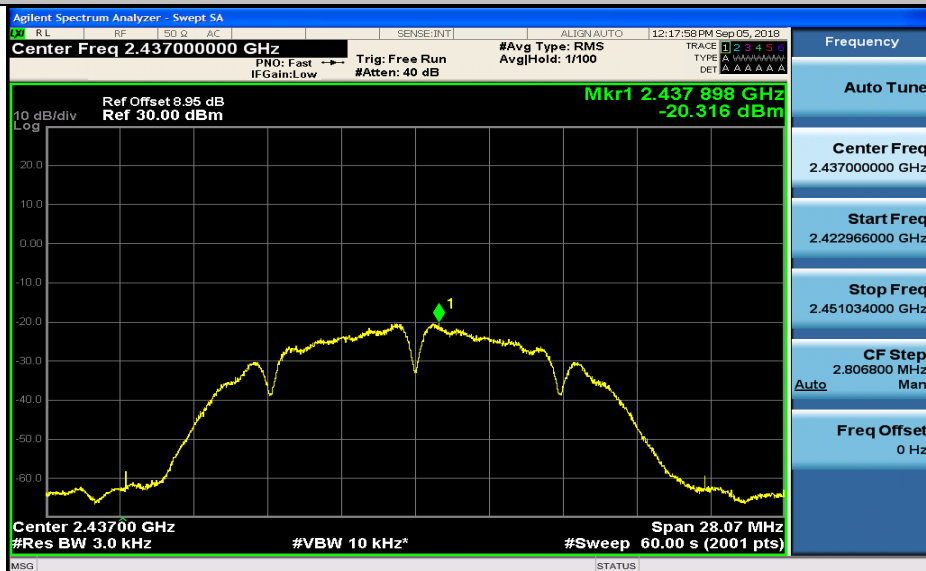
3.Maximum(average) power spectral density

Test Mode	Test Channel	Ant	Level [dBm/3kHz]	10log(1/x) Factor[dB]	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-21.08	0.02	-21.06	8.00	PASS
11B	2437	Ant1	-20.32	0.02	-20.30	8.00	PASS
11B	2462	Ant1	-19.31	0.10	-19.21	8.00	PASS
11G	2412	Ant1	-25.36	0.11	-25.25	8.00	PASS
11G	2437	Ant1	-24.49	0.11	-24.38	8.00	PASS
11G	2462	Ant1	-23.21	0.11	-23.10	8.00	PASS
11N20SISO	2412	Ant1	-27.07	0.11	-26.96	8.00	PASS
11N20SISO	2437	Ant1	-25.32	0.12	-25.20	8.00	PASS
11N20SISO	2462	Ant1	-24.16	0.12	-24.04	8.00	PASS

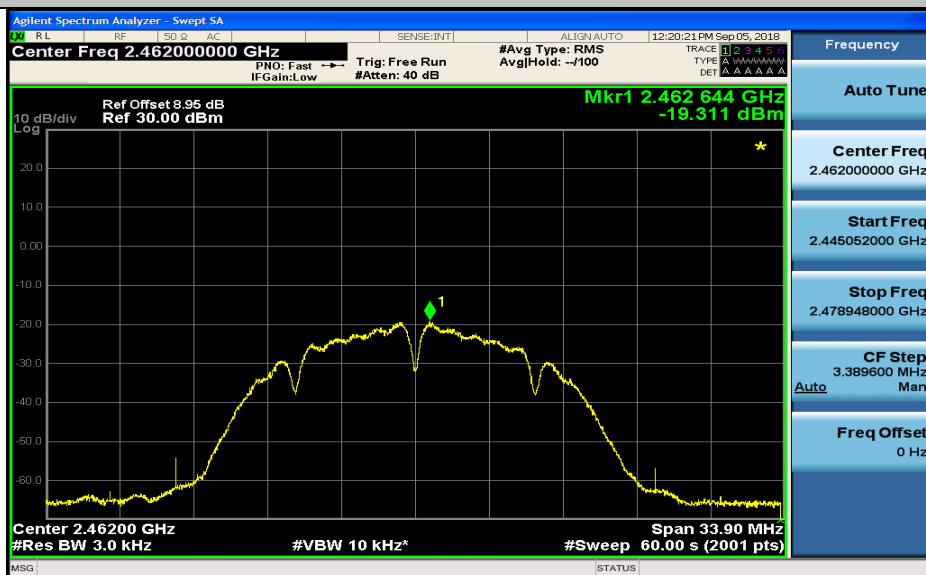
Maximum(average) power spectral density_11B_2412_Ant1



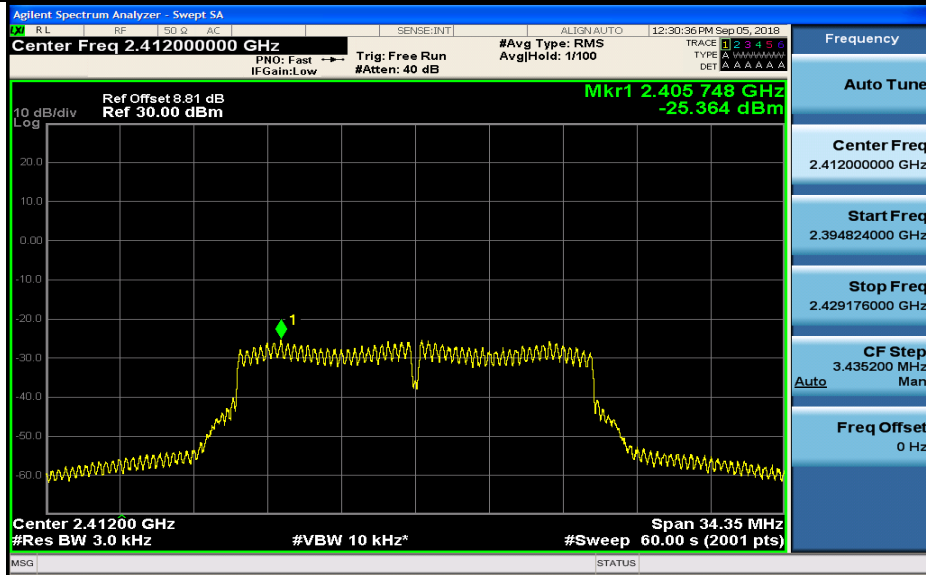
Maximum(average) power spectral density_11B_2437_Ant1



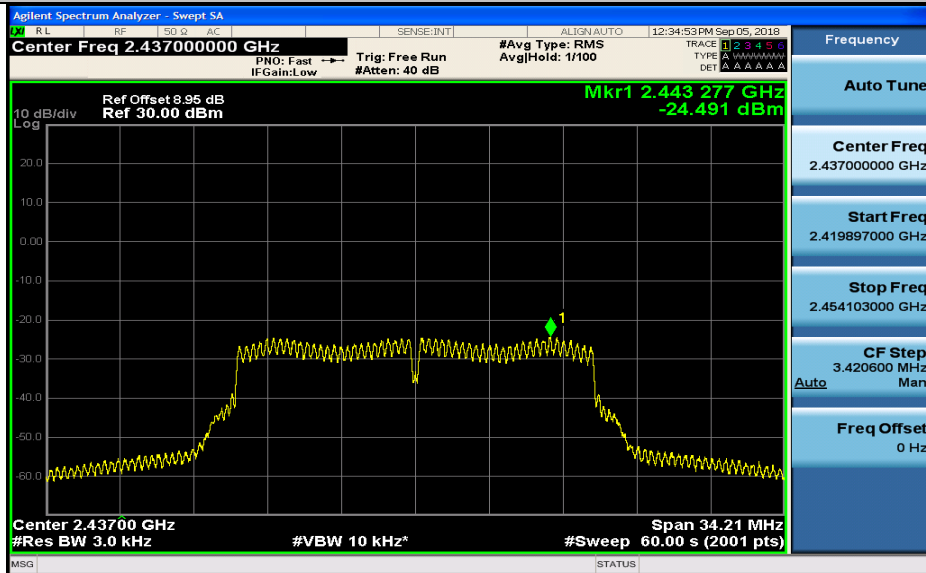
Maximum(average) power spectral density_11B_2462_Ant1



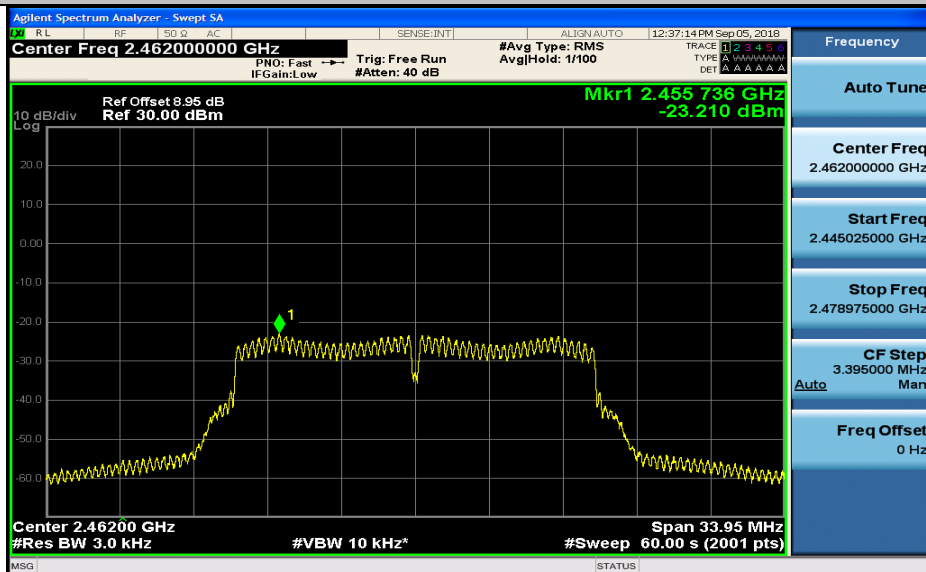
Maximum(average) power spectral density_11G_2412_Ant1



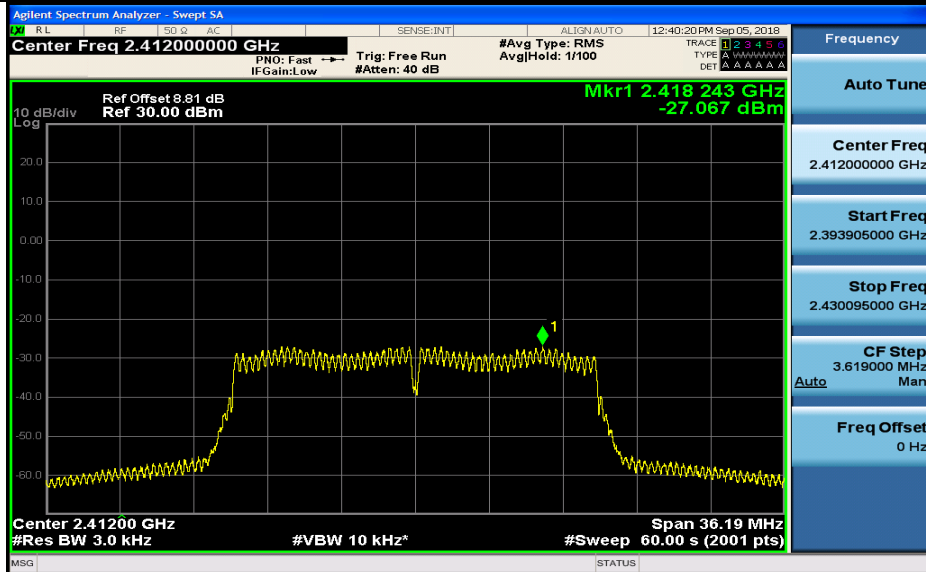
Maximum(average) power spectral density_11G_2437_Ant1



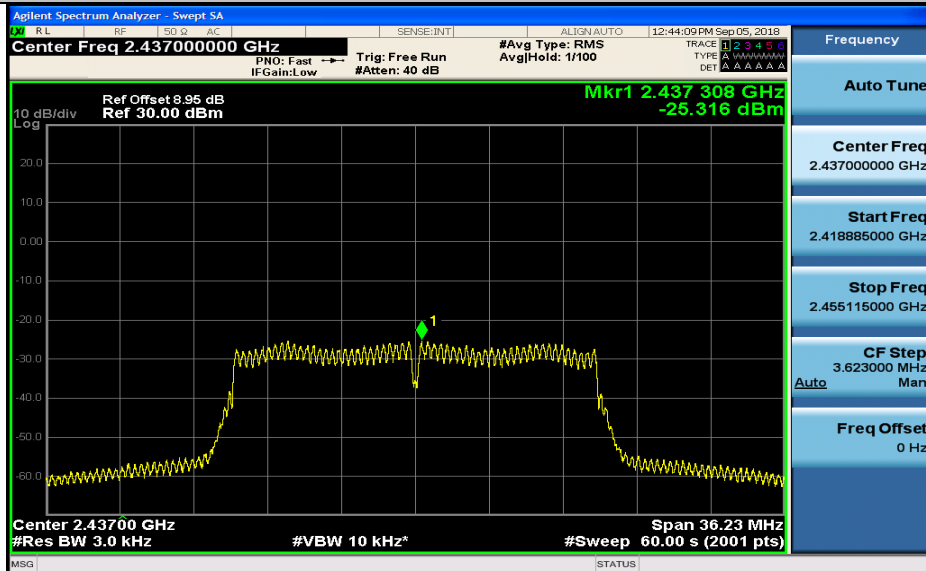
Maximum(average) power spectral density_11G_2462_Ant1



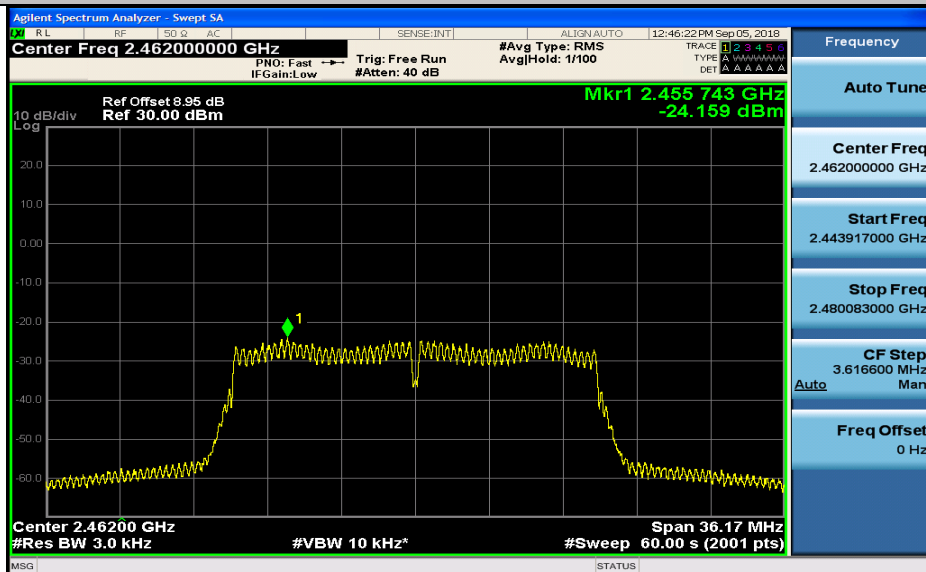
Maximum(average) power spectral density_11N20SISO_2412_Ant1



Maximum(average) power spectral density_11N20SISO_2437_Ant1



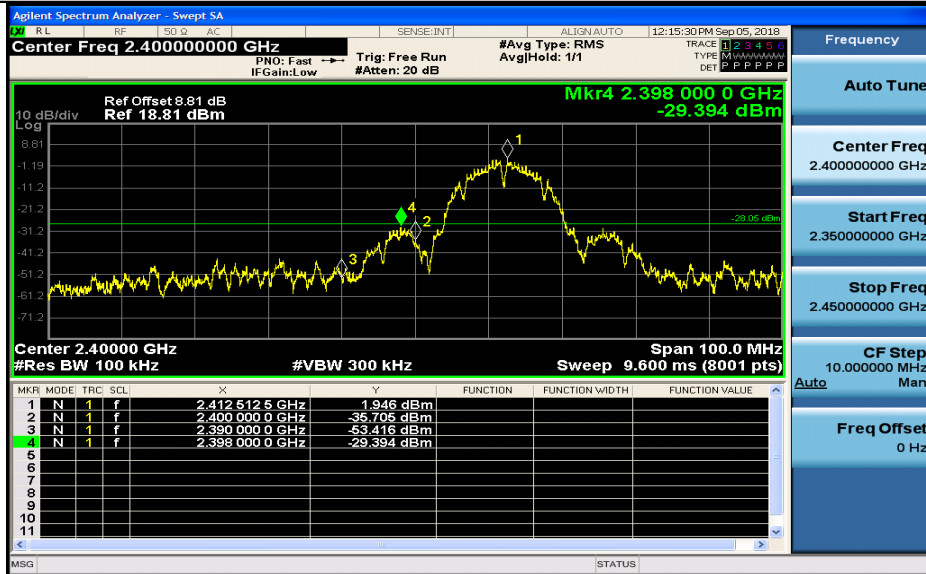
Maximum(average) power spectral density_11N20SISO_2462_Ant1



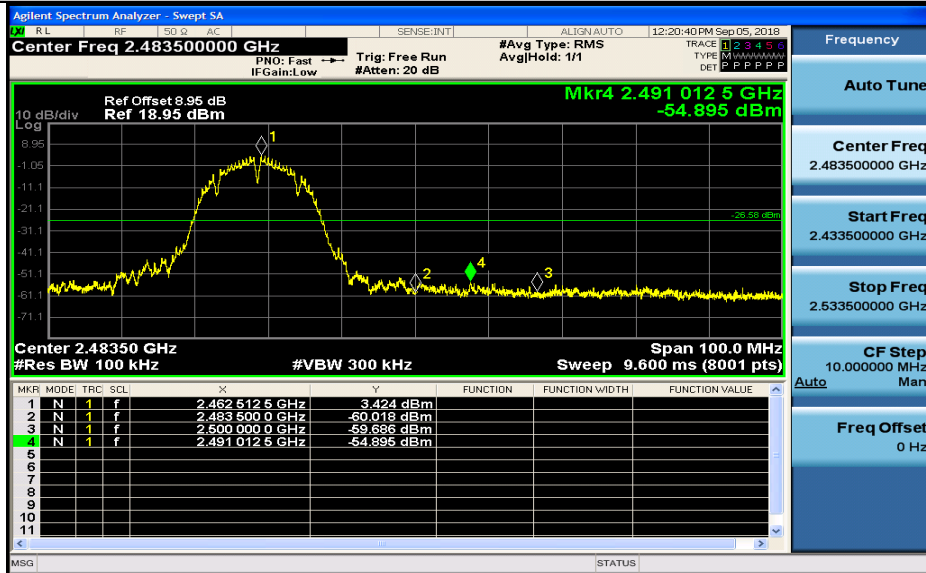
4.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	1.95	-29.39	-28.05	PASS
11B	2462	Ant1	3.42	-54.90	-26.58	PASS
11G	2412	Ant1	-1.63	-33.02	-31.63	PASS
11G	2462	Ant1	0.23	-42.00	-29.77	PASS
11N20SISO	2412	Ant1	-2.65	-36.67	-32.65	PASS
11N20SISO	2462	Ant1	-0.67	-41.29	-30.67	PASS

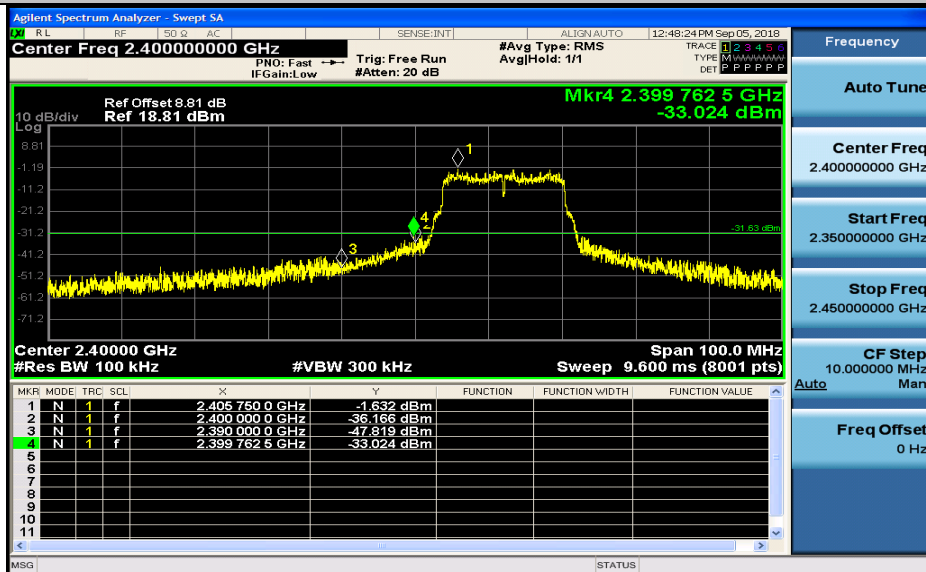
Band-edge for RF Conducted Emissions_11B_2412_Ant1



Band-edge for RF Conducted Emissions_11B_2462_Ant1



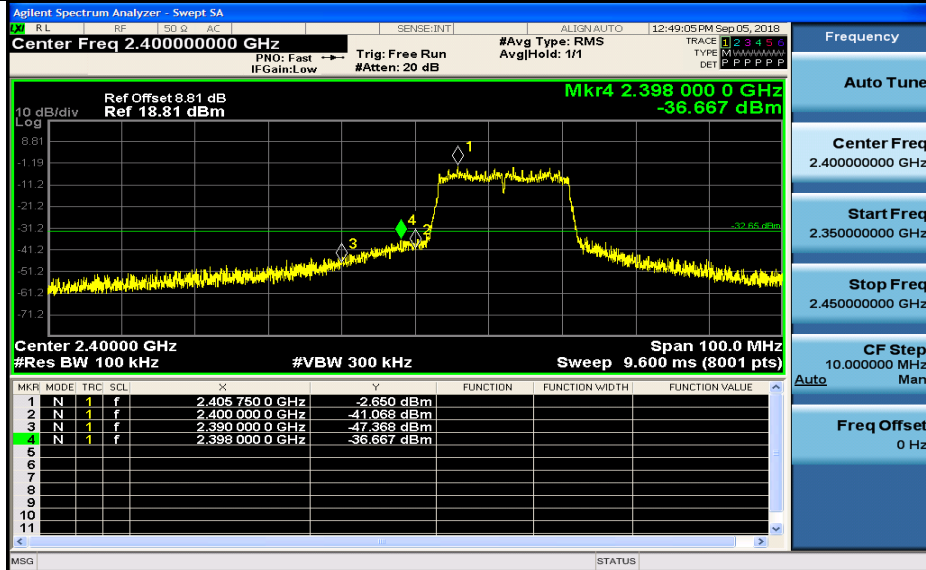
Band-edge for RF Conducted Emissions_11G_2412_Ant1



Band-edge for RF Conducted Emissions_11G_2462_Ant1



Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



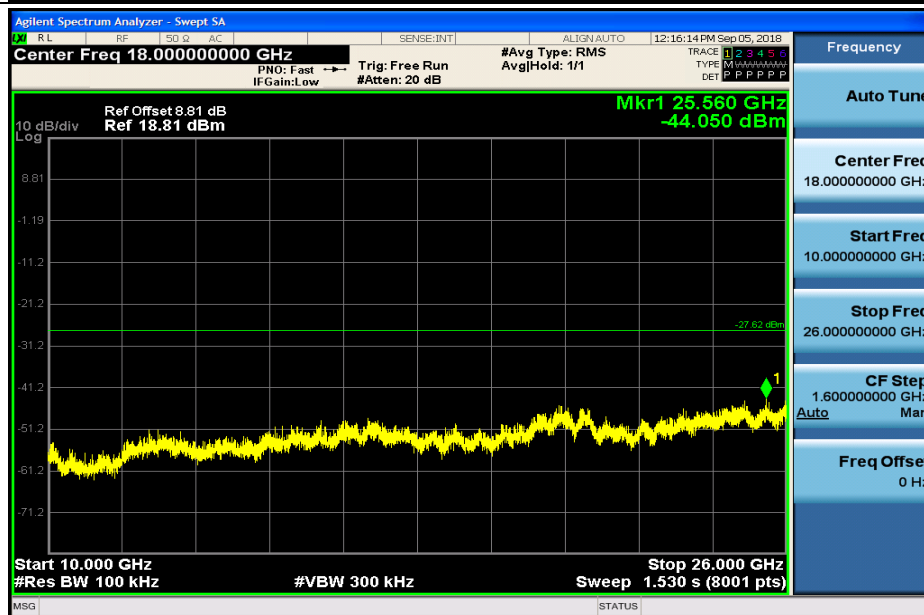
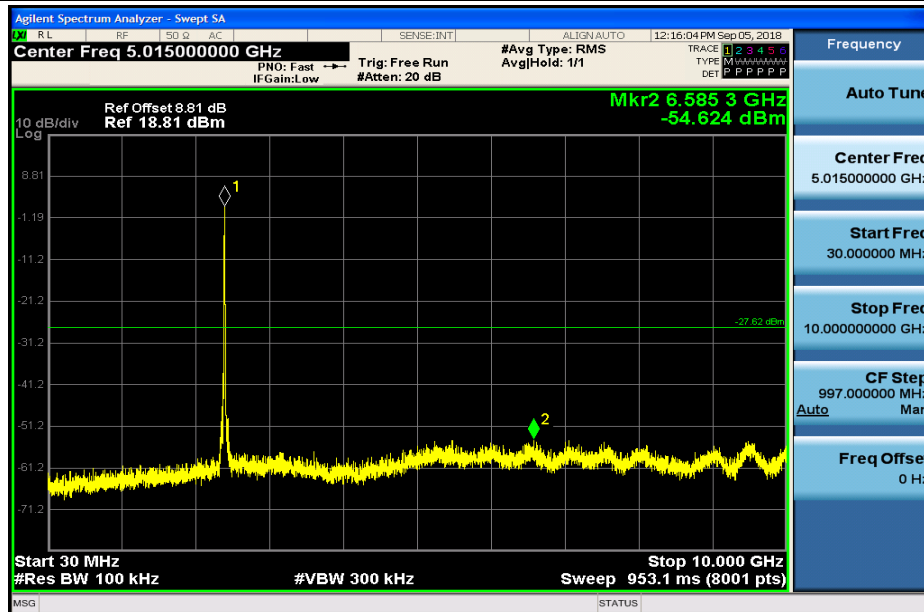
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1



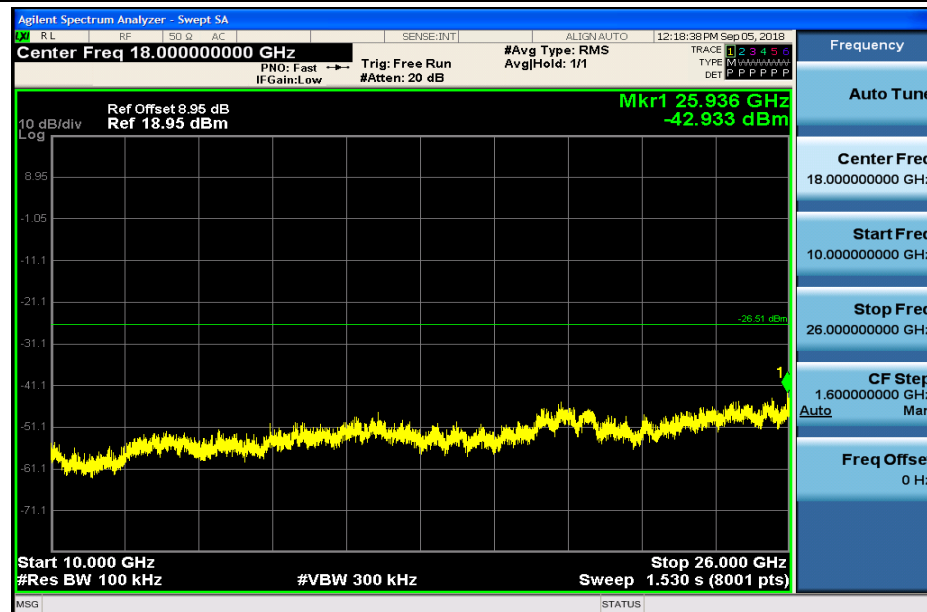
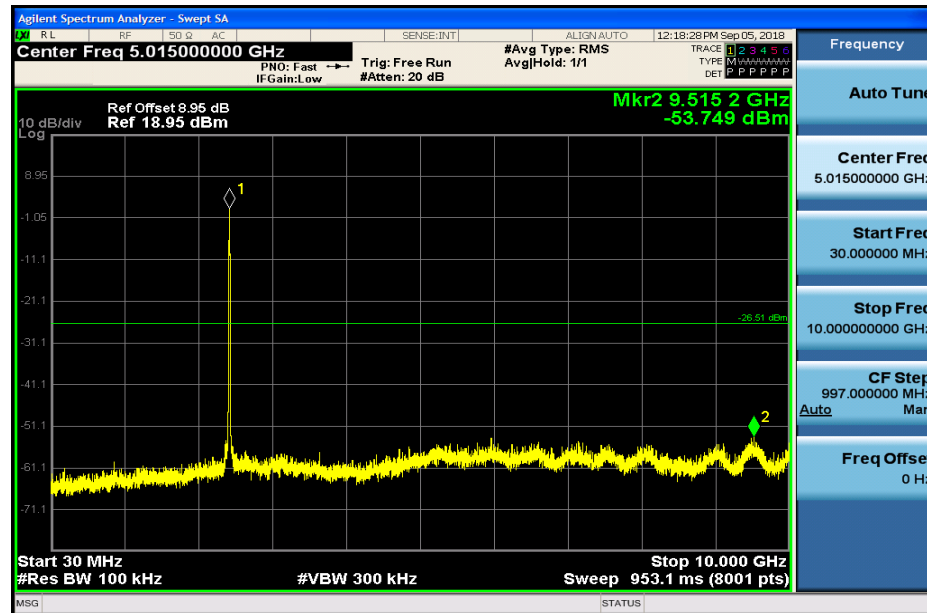
5.RF Conducted Spurious Emissions

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	2.38	-54.62	<- 27.62	PASS
11B	2412	Ant1	10000	26000	100	300	2.382	-44.050	<- 27.618	PASS
11B	2437	Ant1	30	10000	100	300	3.49	-53.75	<- 26.51	PASS
11B	2437	Ant1	10000	26000	100	300	3.494	-42.933	<- 26.506	PASS
11B	2462	Ant1	30	10000	100	300	3.90	-53.12	<- 26.10	PASS
11B	2462	Ant1	10000	26000	100	300	3.904	-43.274	<- 26.096	PASS
11G	2412	Ant1	30	10000	100	300	-2.35	-54.48	<- 32.35	PASS
11G	2412	Ant1	10000	26000	100	300	-2.354	-43.310	<- 32.354	PASS
11G	2437	Ant1	30	10000	100	300	-0.61	-54.16	<- 30.61	PASS
11G	2437	Ant1	10000	26000	100	300	-0.606	-43.448	<- 30.606	PASS
11G	2462	Ant1	30	10000	100	300	-0.02	-53.48	<- 30.02	PASS
11G	2462	Ant1	10000	26000	100	300	-0.024	-42.508	<- 30.024	PASS
11N20SISO	2412	Ant1	30	10000	100	300	-2.51	-54.18	<- 32.51	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	-2.506	-44.454	<- 32.506	PASS
11N20SISO	2437	Ant1	30	10000	100	300	-1.28	-48.74	<- 31.28	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	-1.28	-44.161	<- 31.28	PASS
11N20SISO	2462	Ant1	30	10000	100	300	-0.44	-49.35	<- 30.44	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	-0.435	-44.054	<- 30.435	PASS

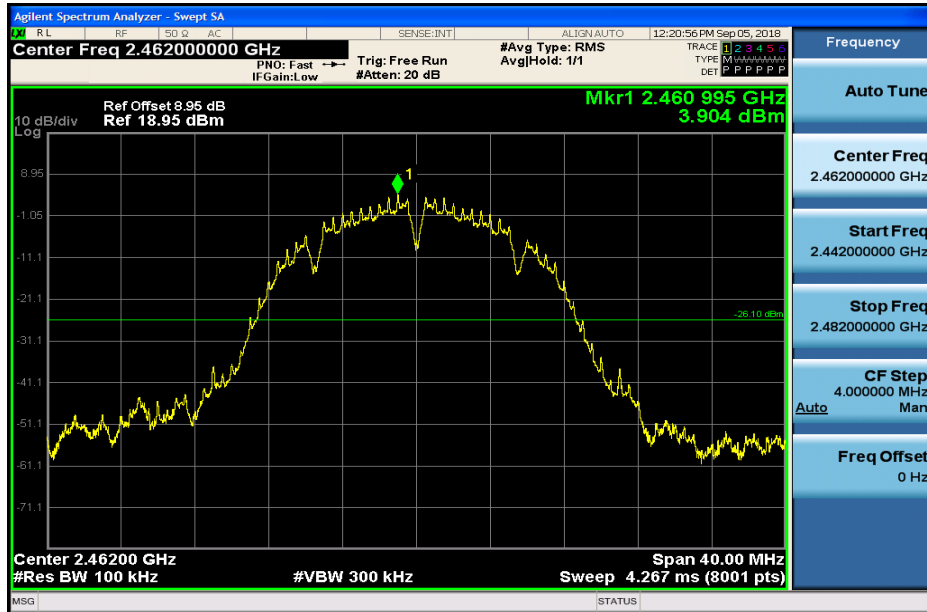
RF Conducted Spurious Emissions_11B_2412



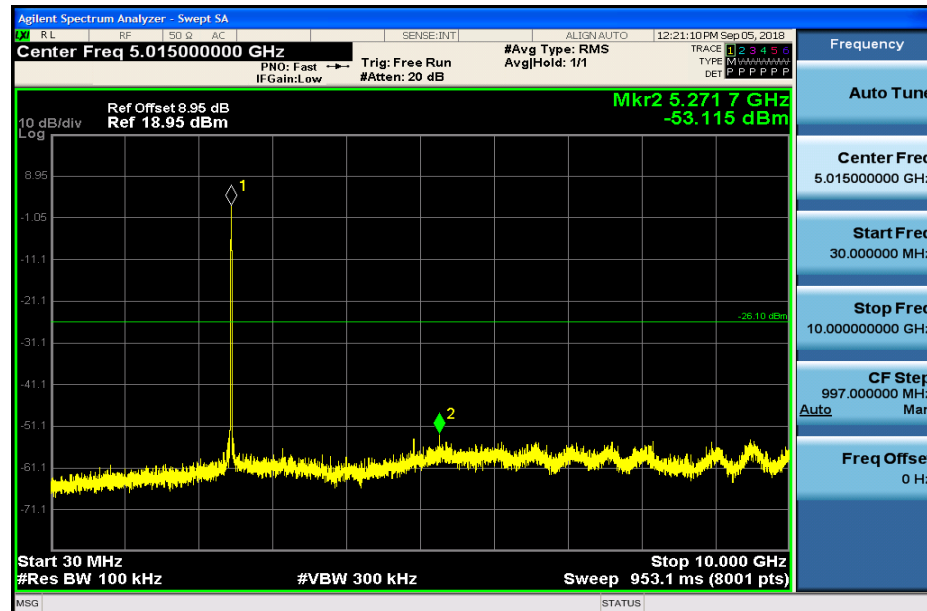
RF Conducted Spurious Emissions_11B_2437



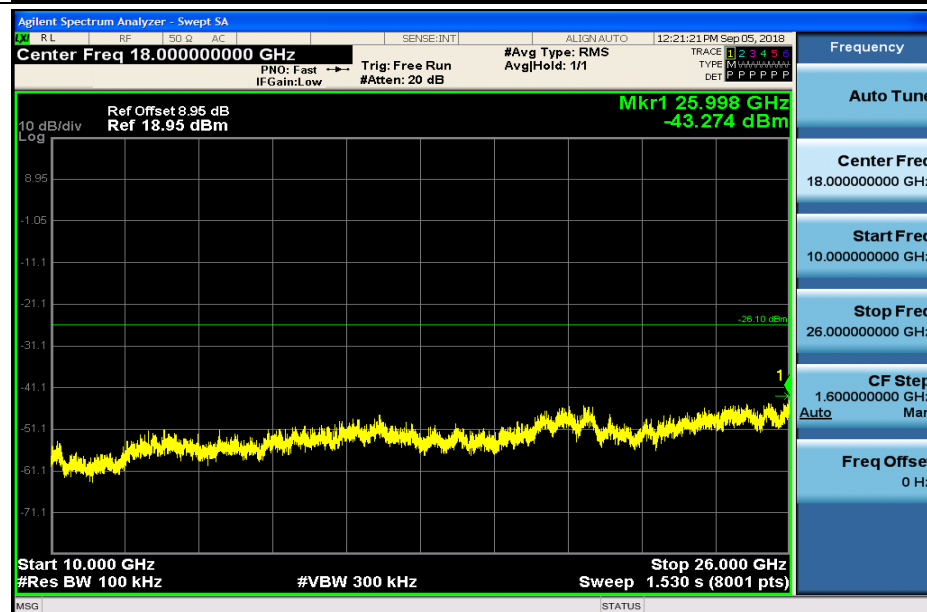
RF Conducted Spurious Emissions_11B_2462



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

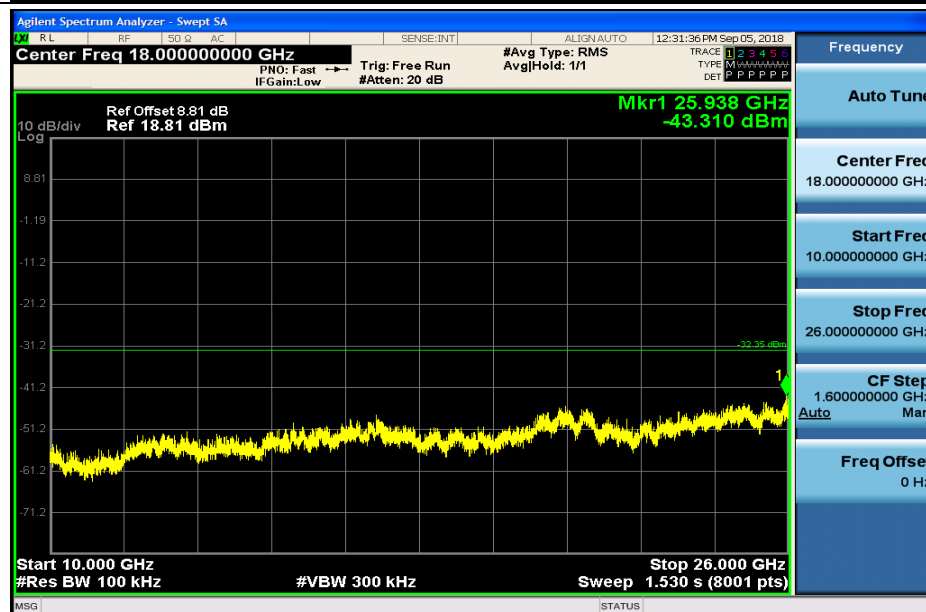
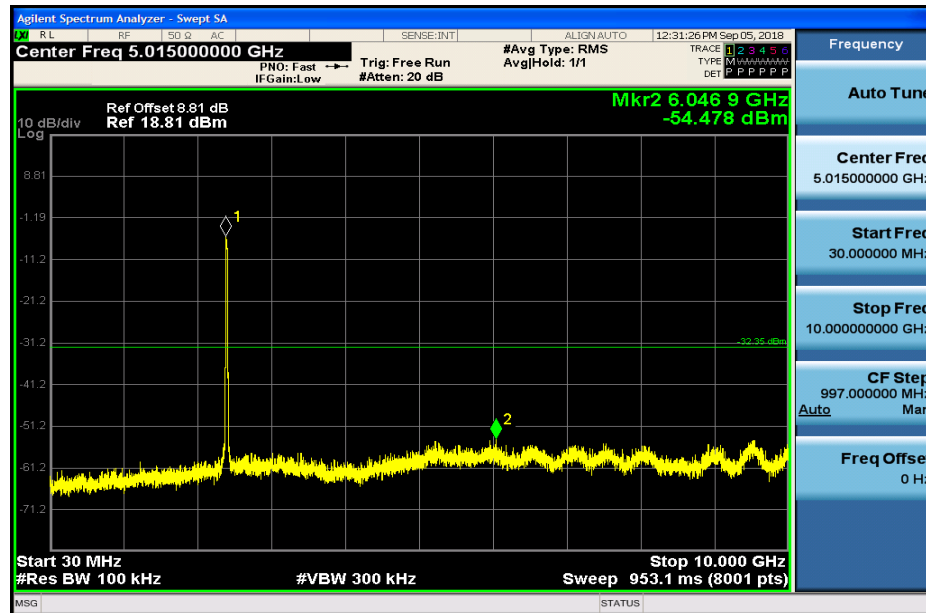


Frequency
Auto Tune
Center Freq 5.015000000 GHz
Start Freq 30.000000 MHz
Stop Freq 10.000000000 GHz
CF Step 997.000000 MHz Auto Man
Freq Offset 0 Hz

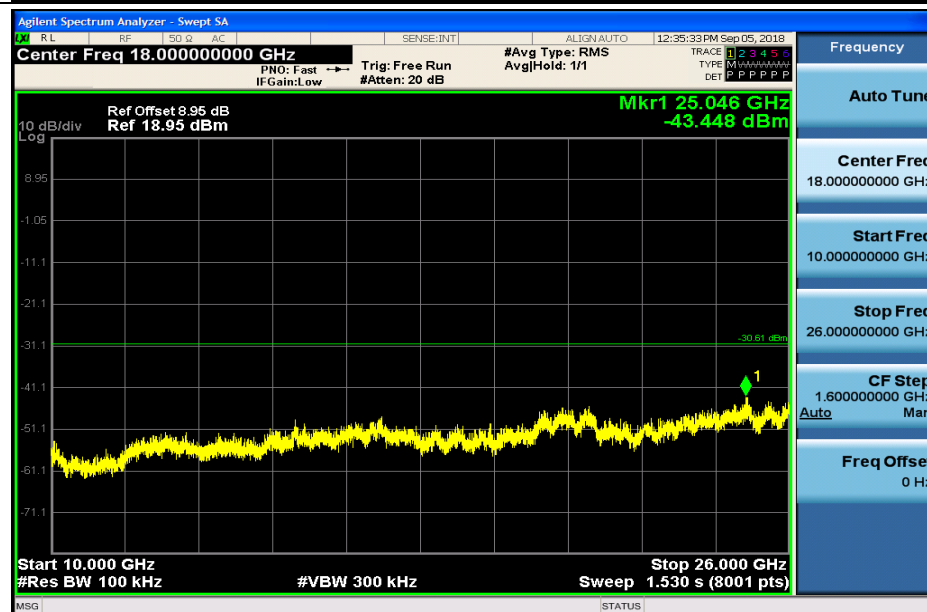
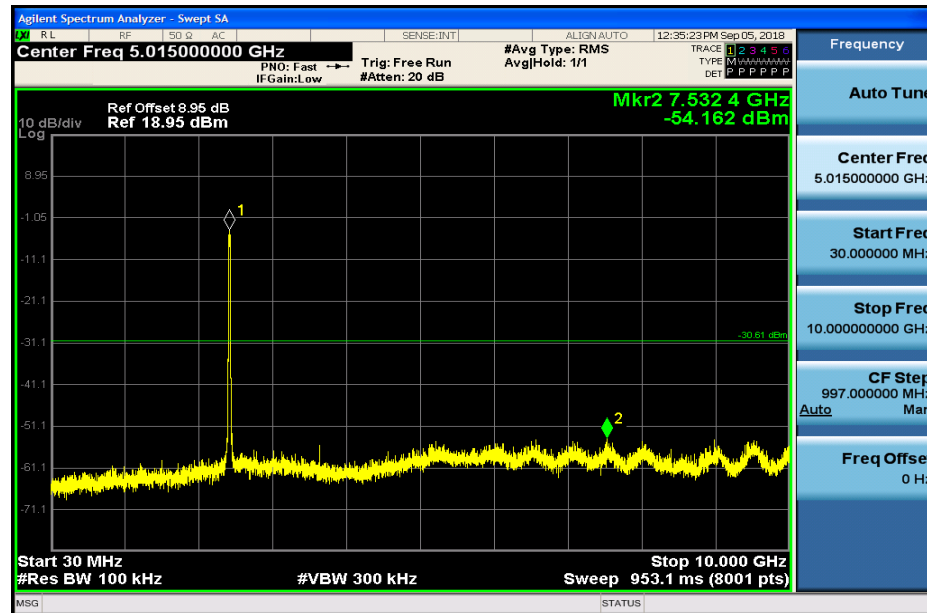


Frequency
Auto Tune
Center Freq 18.000000000 GHz
Start Freq 10.000000000 GHz
Stop Freq 26.000000000 GHz
CF Step 1.600000000 GHz Auto Man
Freq Offset 0 Hz

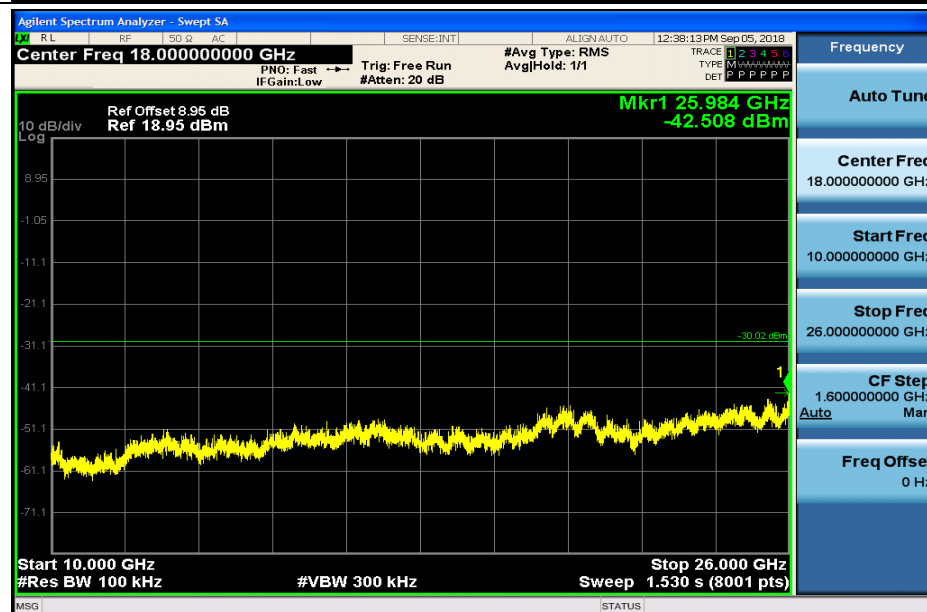
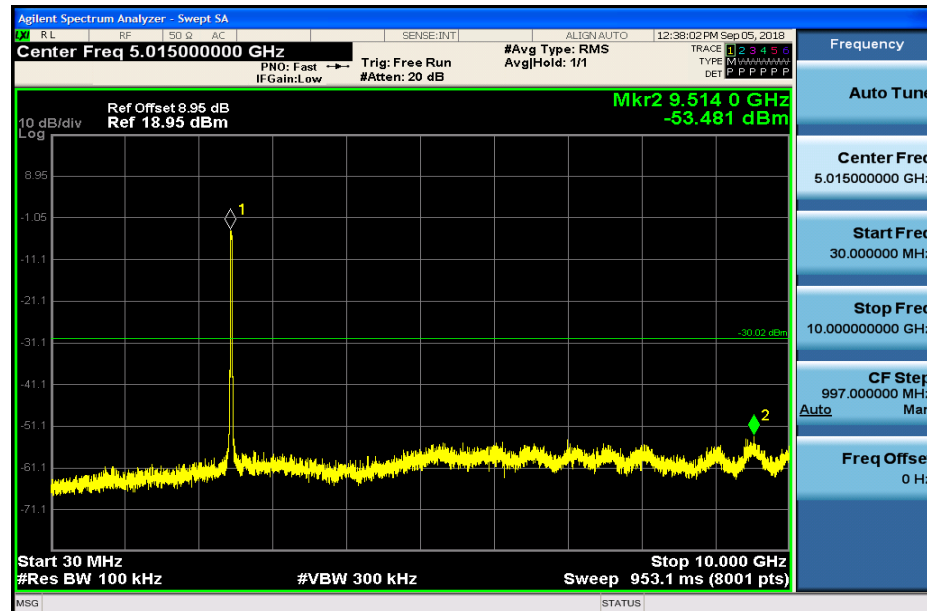
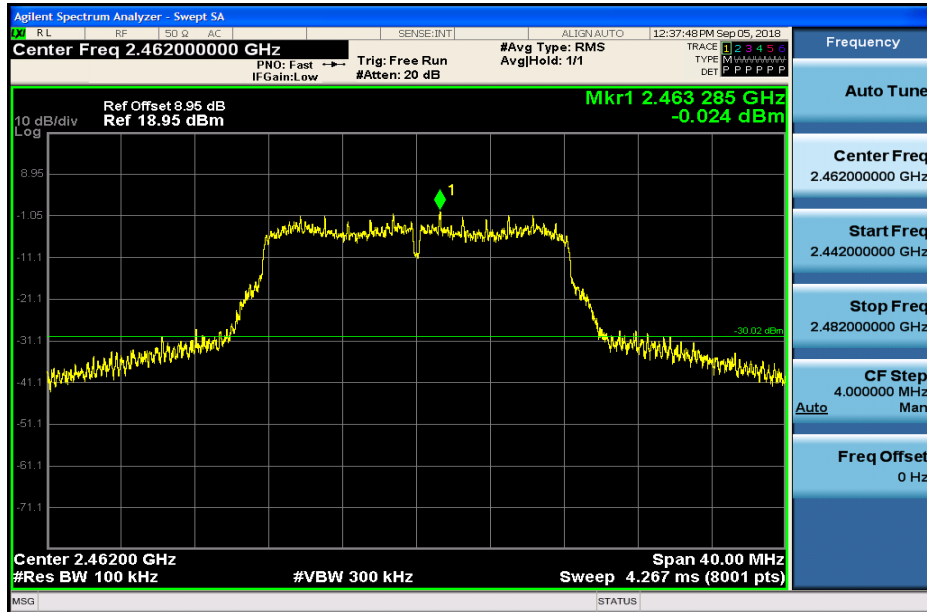
RF Conducted Spurious Emissions_11G_2412



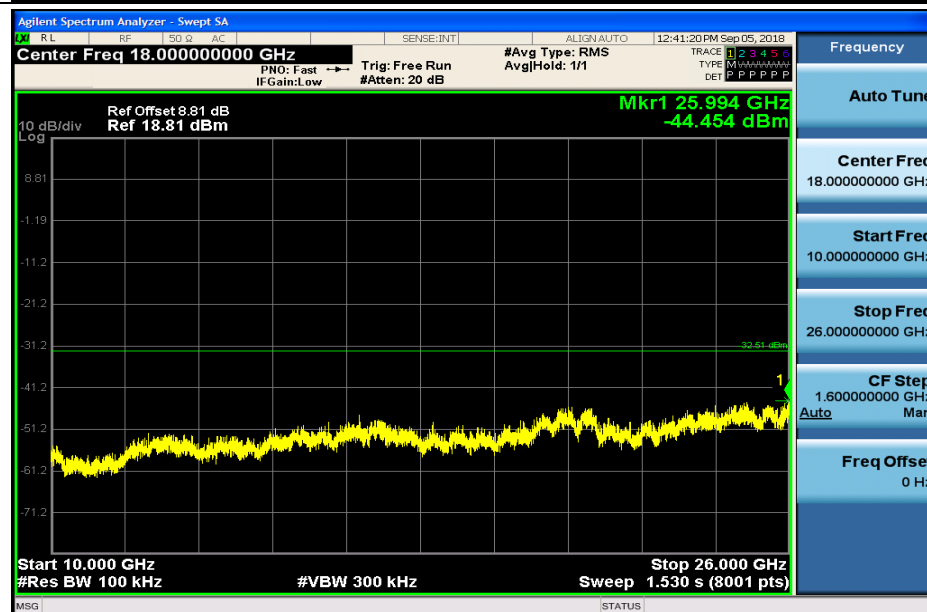
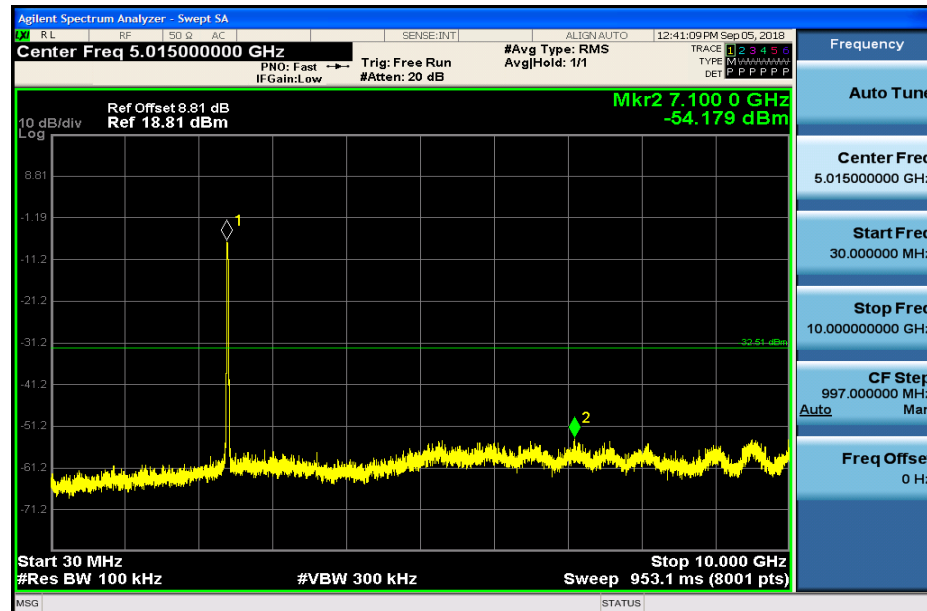
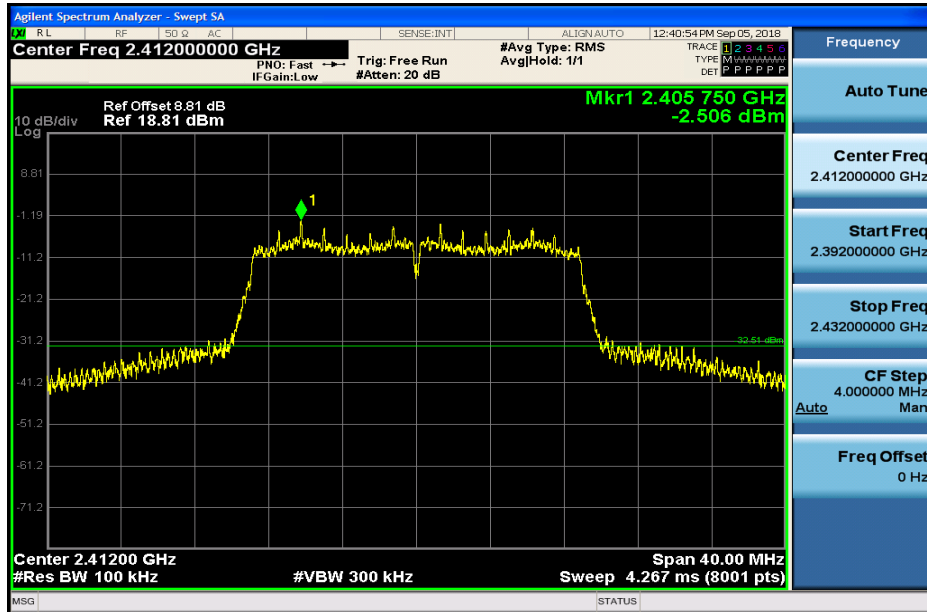
RF Conducted Spurious Emissions_11G_2437



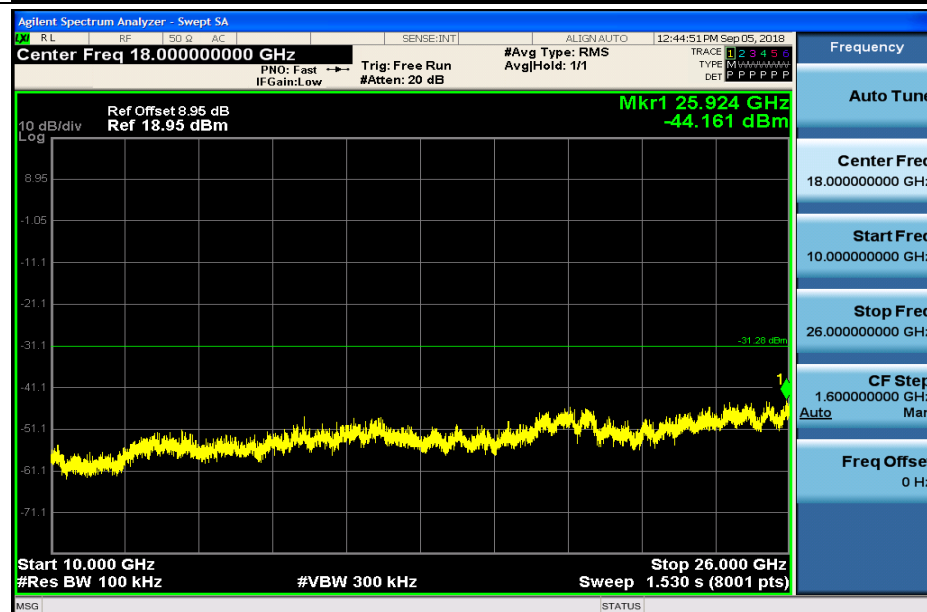
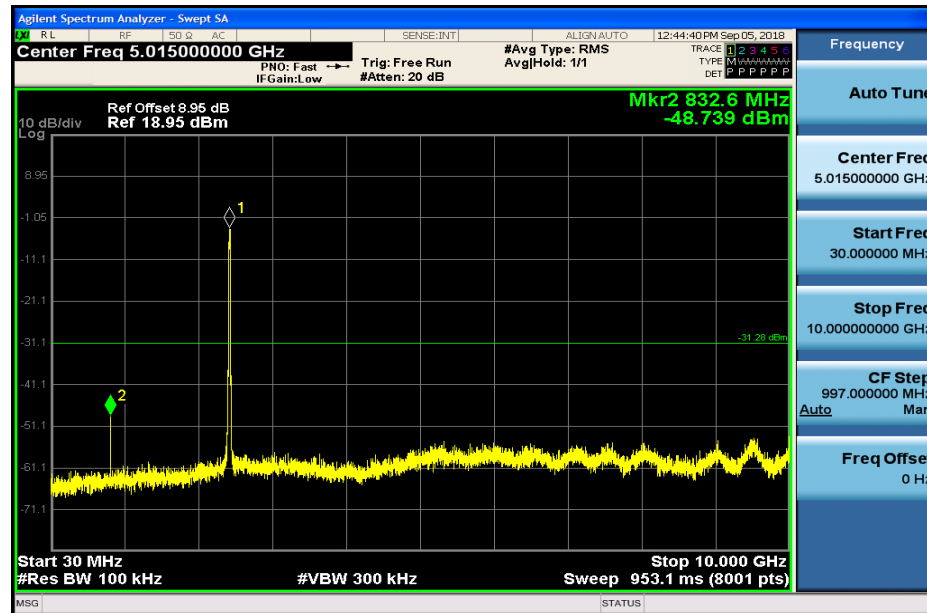
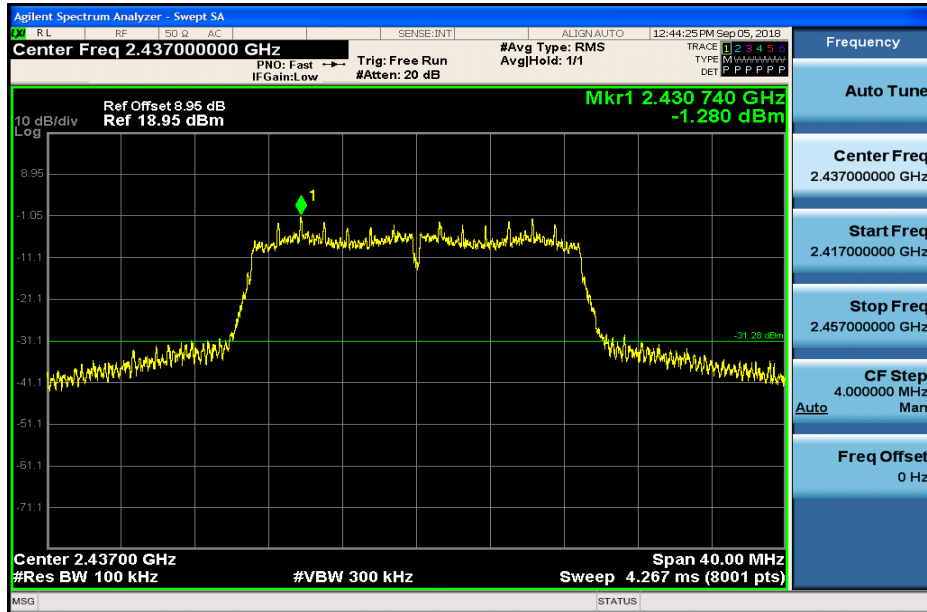
RF Conducted Spurious Emissions_11G_2462



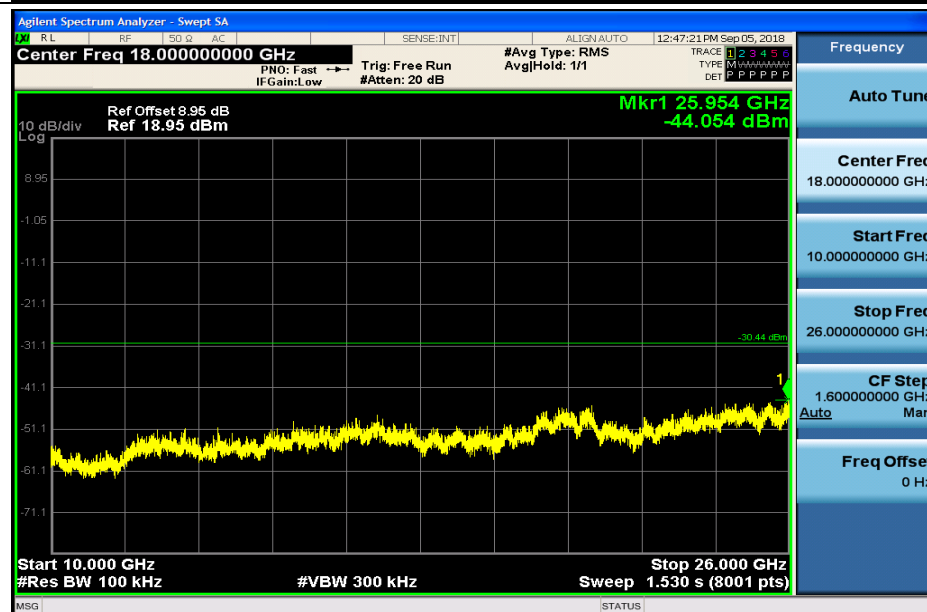
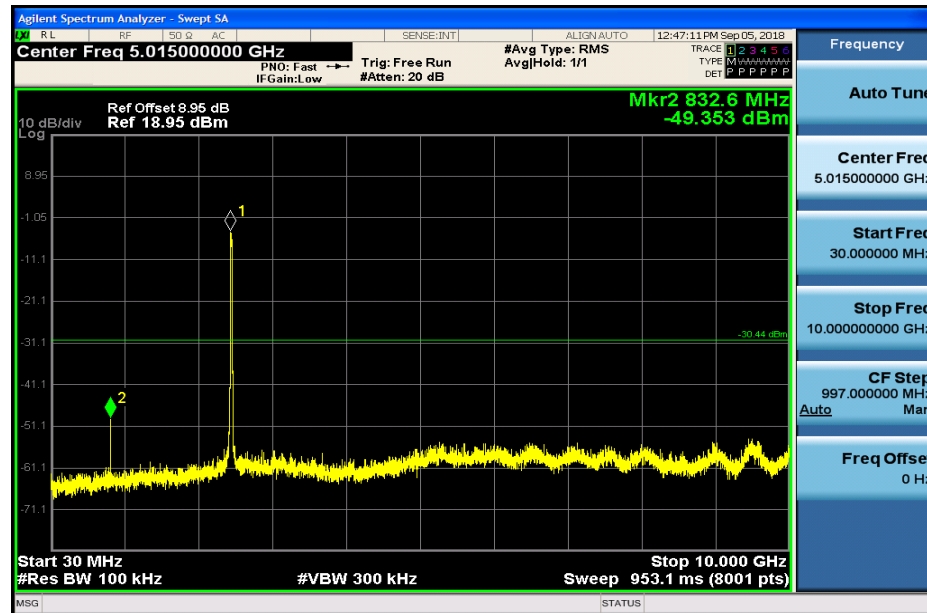
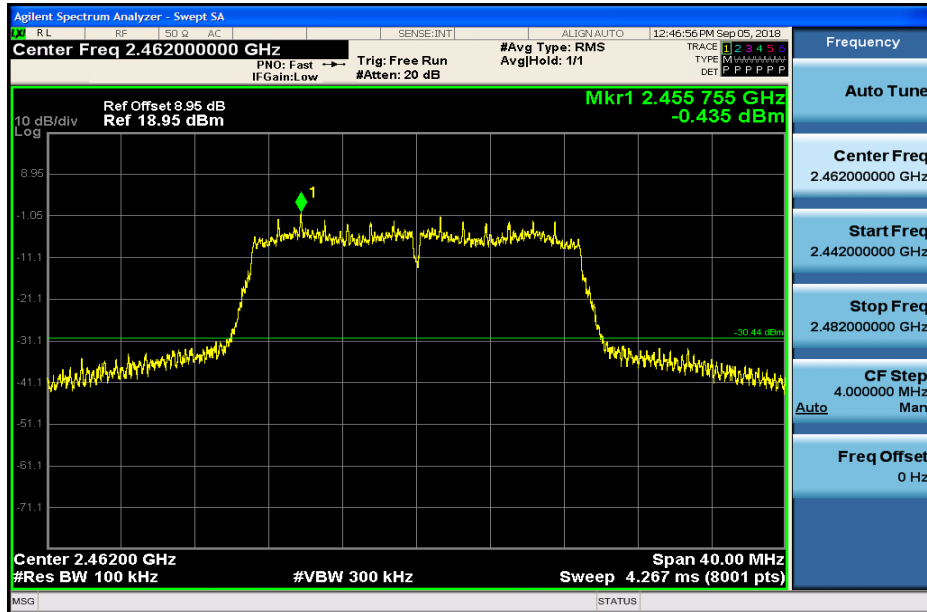
RF Conducted Spurious Emissions_11N20SISO_2412



RF Conducted Spurious Emissions_11N20SISO_2437



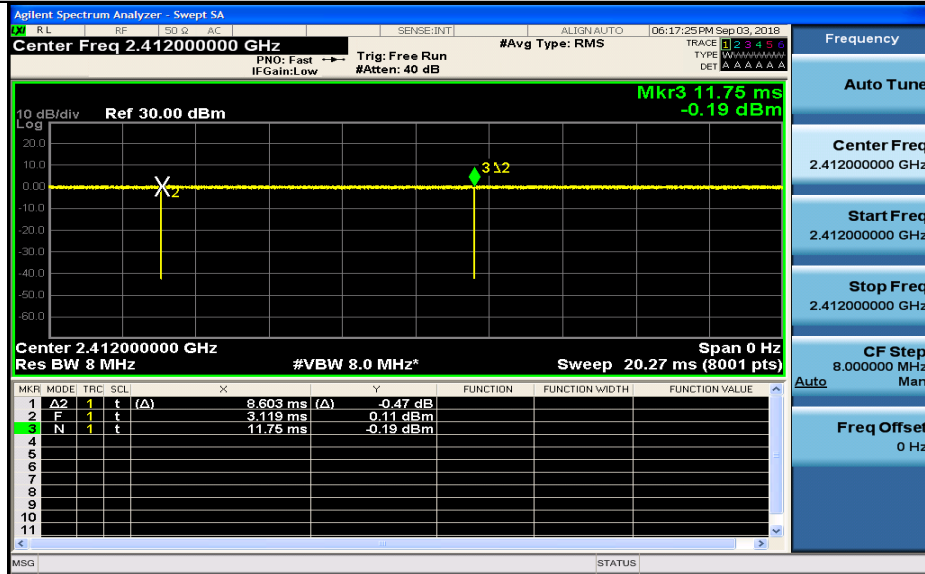
RF Conducted Spurious Emissions_11N20SISO_2462



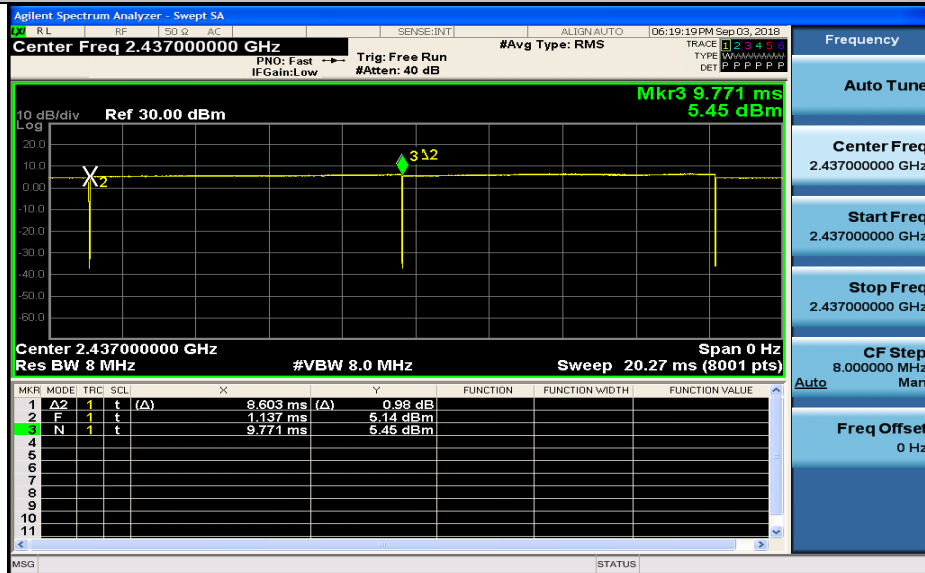
6.Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	99.62	0.02
11B	2437	Ant1	99.65	0.02
11B	2462	Ant1	97.74	0.10
11G	2412	Ant1	97.57	0.11
11G	2437	Ant1	97.57	0.11
11G	2462	Ant1	97.57	0.11
11N20SISO	2412	Ant1	97.40	0.11
11N20SISO	2437	Ant1	97.22	0.12
11N20SISO	2462	Ant1	97.22	0.12

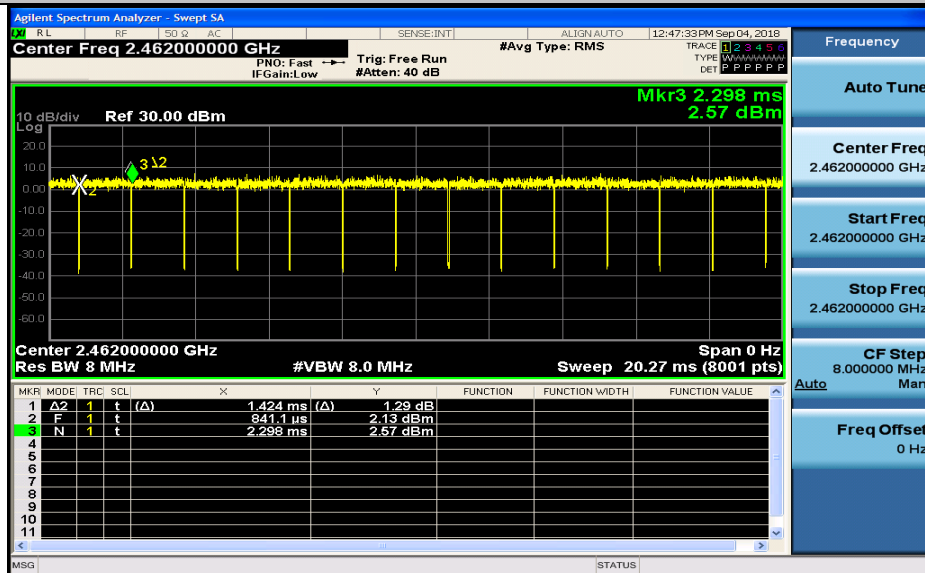
Duty Cycle_11B_2412_Ant1



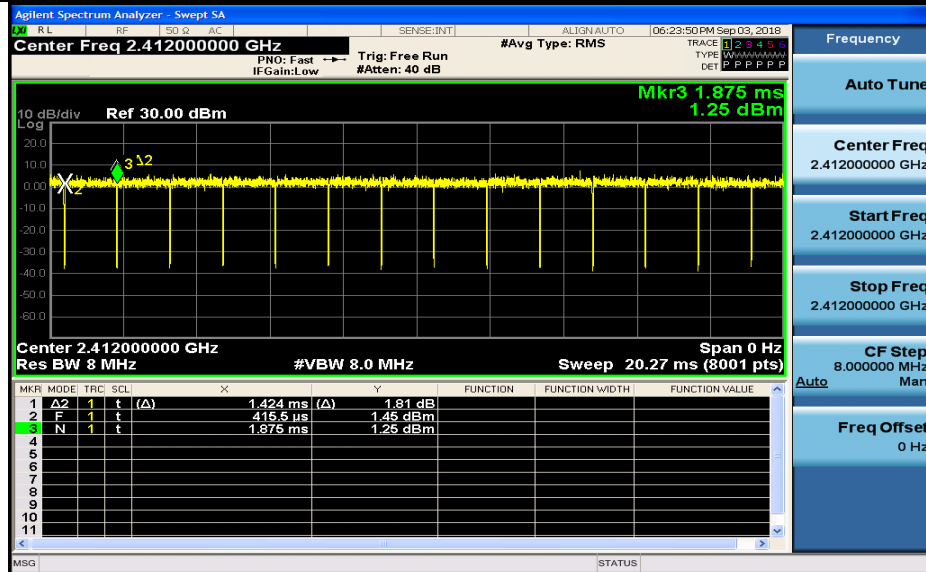
Duty Cycle_11B_2437_Ant1



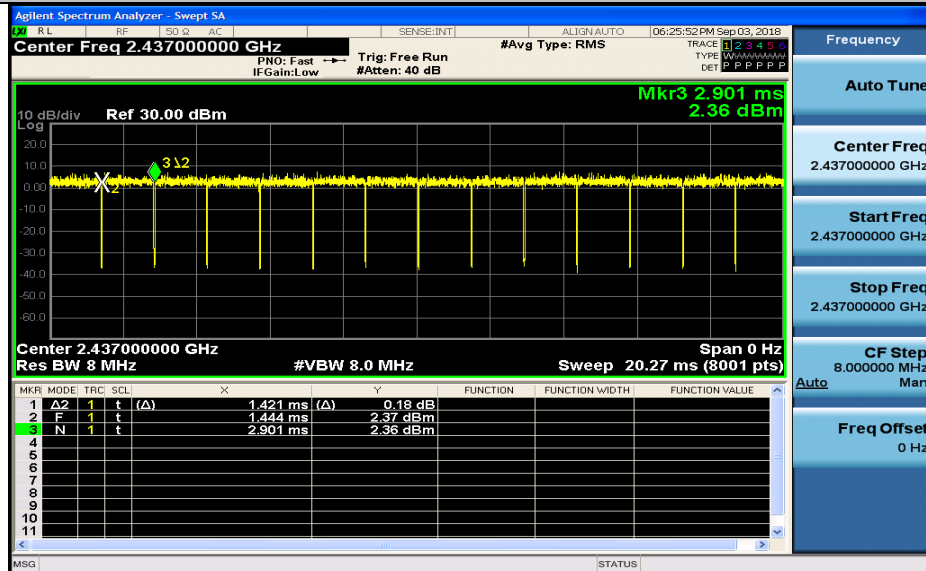
Duty Cycle_11B_2462_Ant1



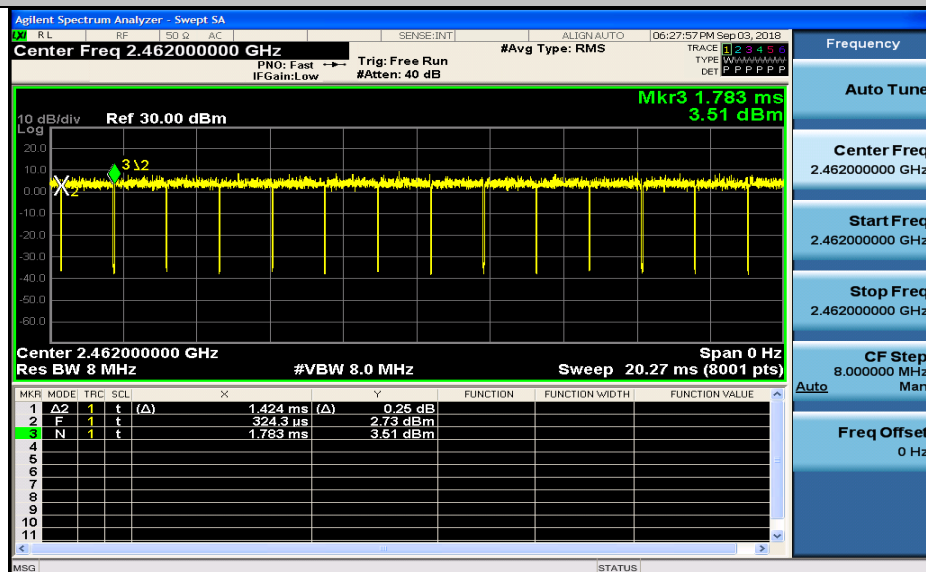
Duty Cycle_11G_2412_Ant1



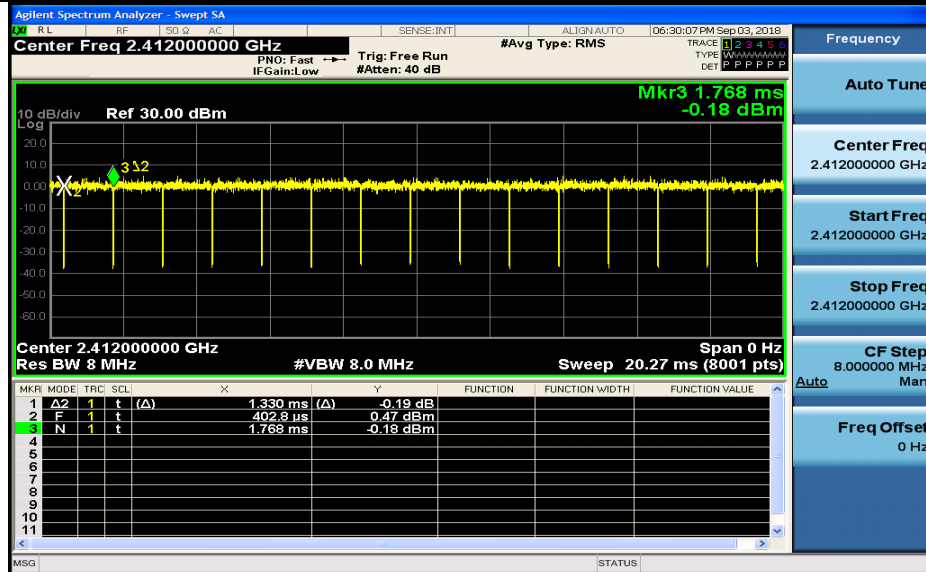
Duty Cycle_11G_2437_Ant1



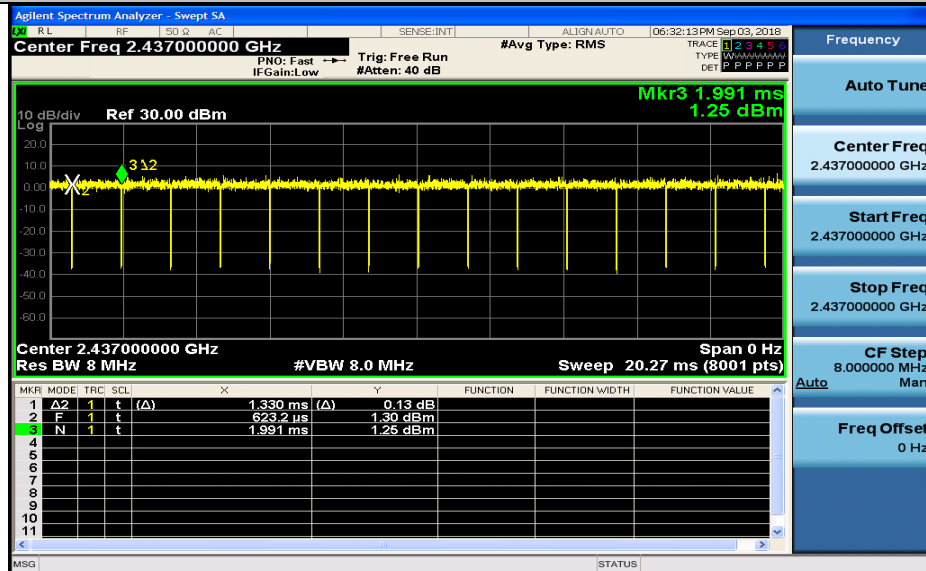
Duty Cycle_11G_2462_Ant1



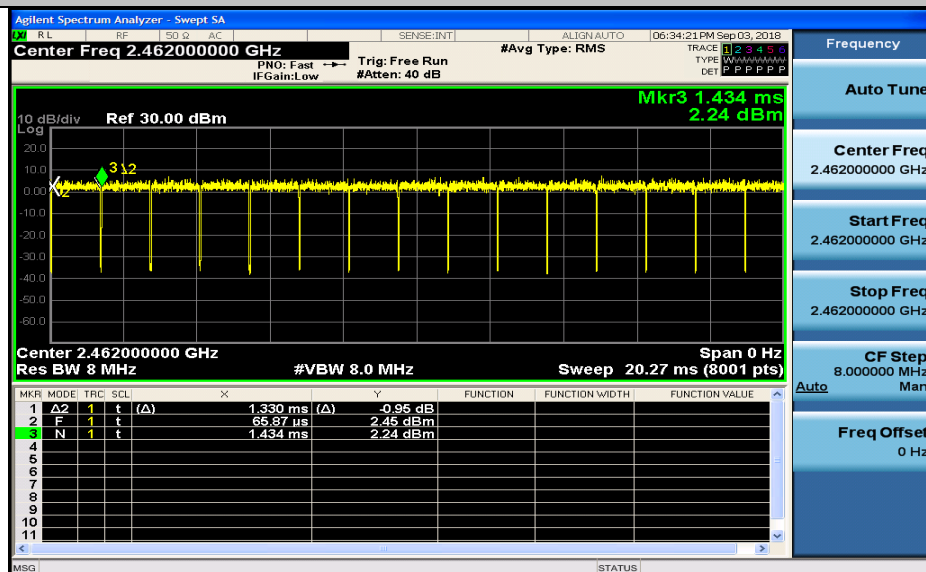
Duty Cycle_11N20SISO_2412_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N20SISO_2462_Ant1





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