



Appendix A for SHEM180900782301

Power level setting using in test:

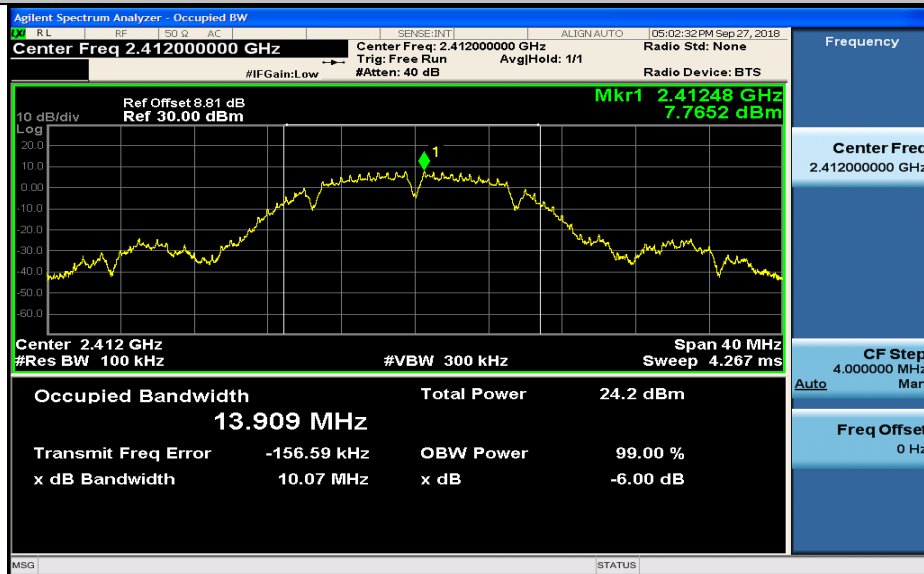
Channel	802.11b	802.11g	802.11n(HT20)
1	17	15	13
6	17	15	13
11	17	15	13



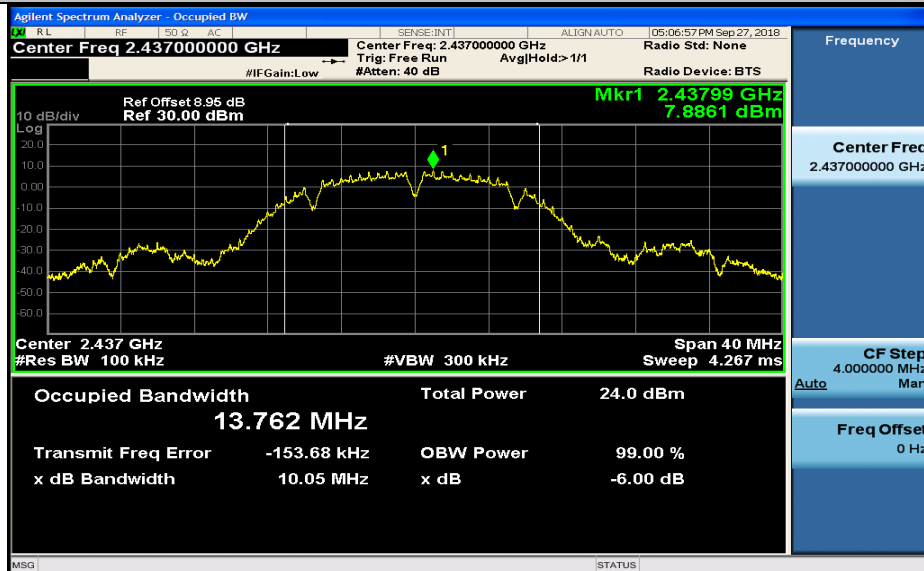
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	10.07	0.5	PASS
11B	2437	Ant1	10.05	0.5	PASS
11B	2462	Ant1	10.05	0.5	PASS
11G	2412	Ant1	16.35	0.5	PASS
11G	2437	Ant1	16.34	0.5	PASS
11G	2462	Ant1	16.36	0.5	PASS
11N20SISO	2412	Ant1	17.55	0.5	PASS
11N20SISO	2437	Ant1	17.55	0.5	PASS
11N20SISO	2462	Ant1	17.58	0.5	PASS

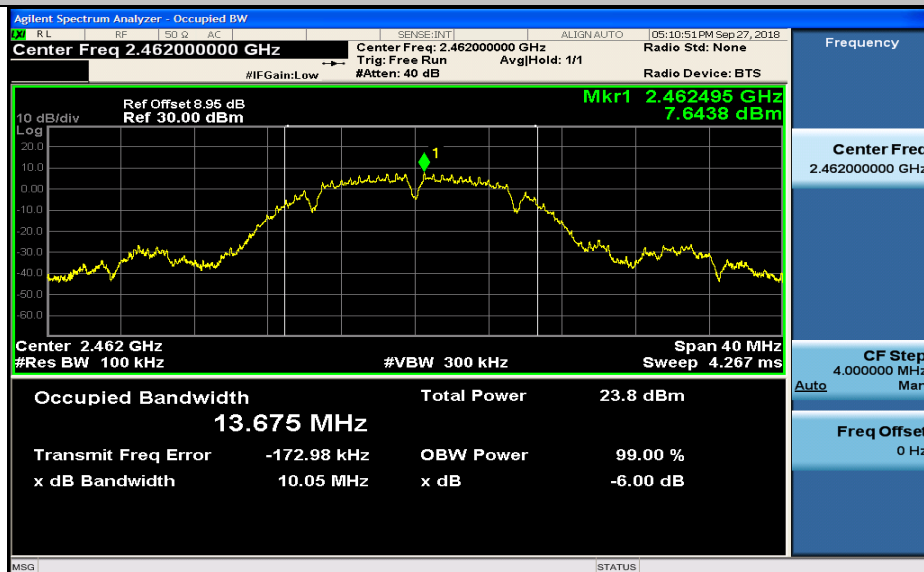
6dB Bandwidth_11B_2412_Ant1



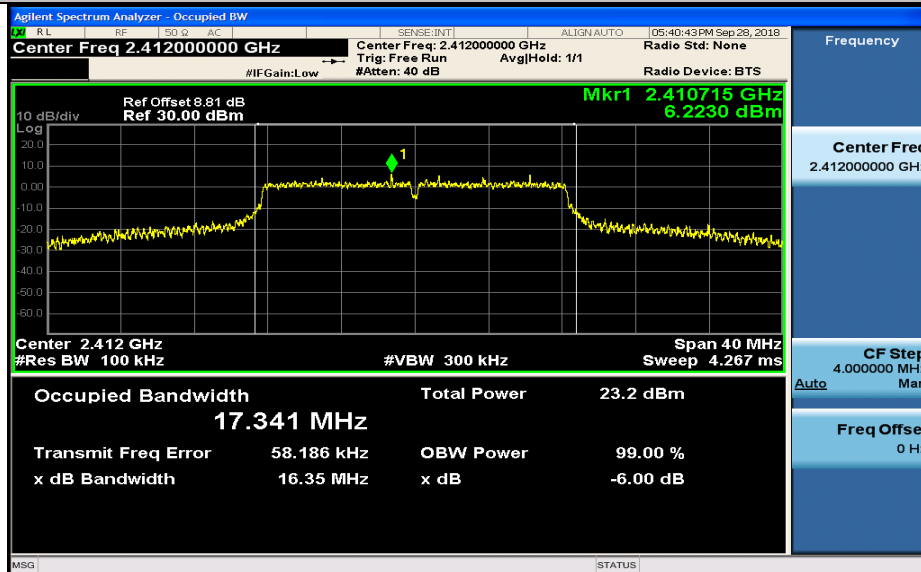
6dB Bandwidth_11B_2437_Ant1



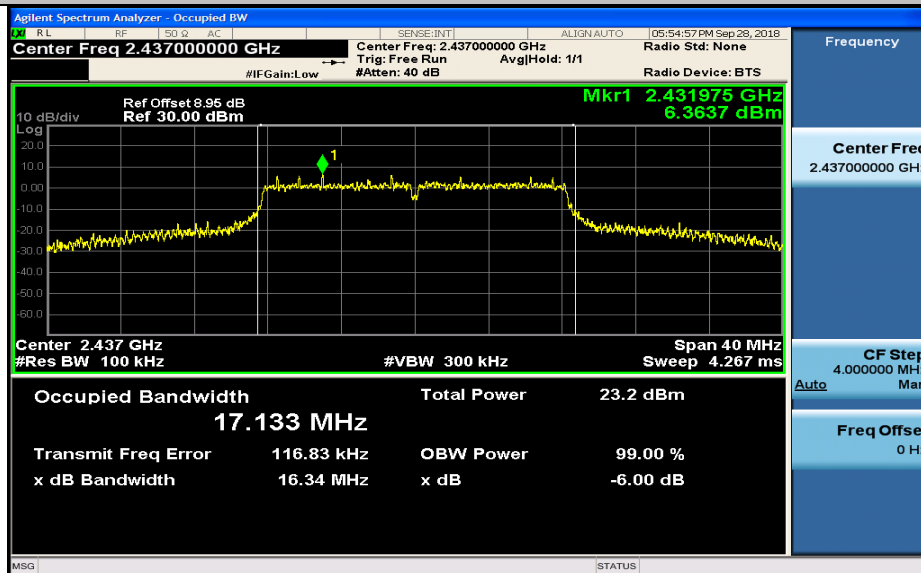
6dB Bandwidth_11B_2462_Ant1



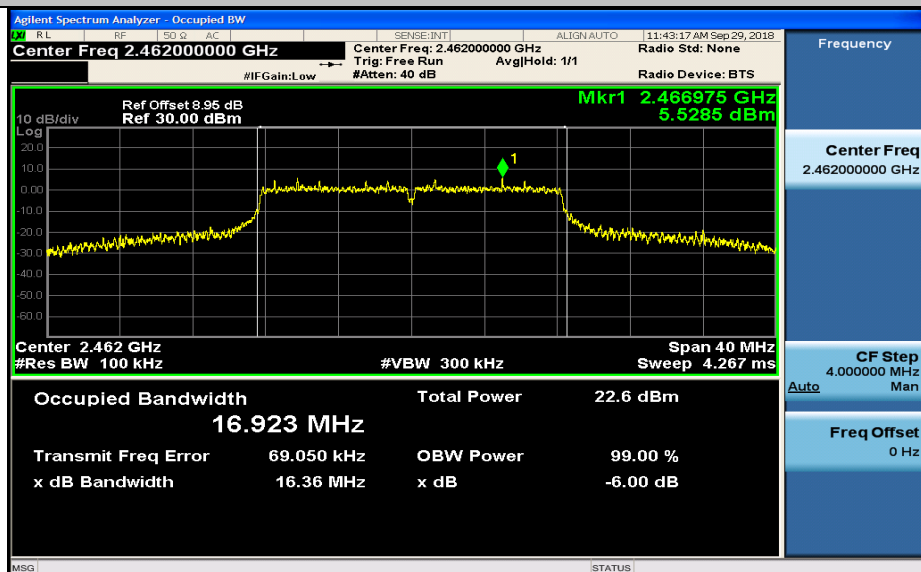
6dB Bandwidth_11G_2412_Ant1



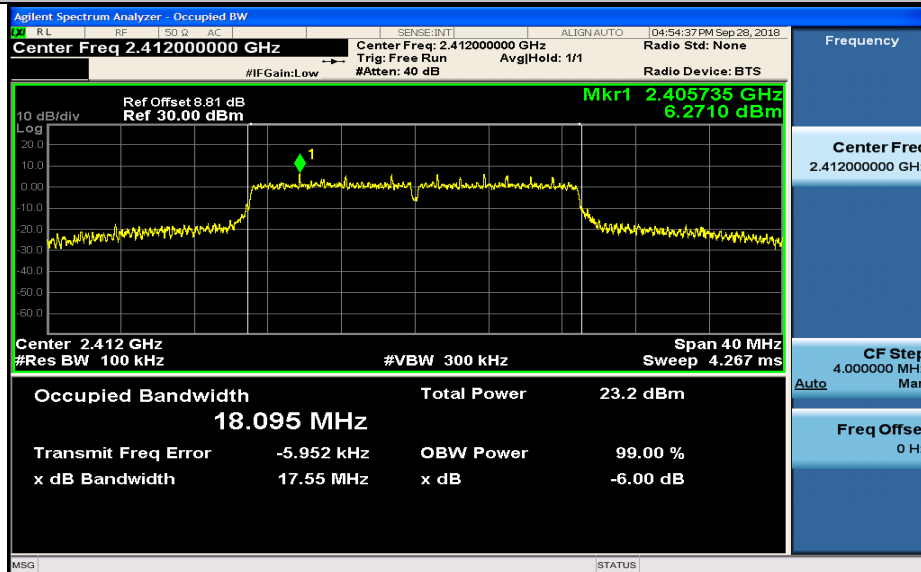
6dB Bandwidth_11G_2437_Ant1



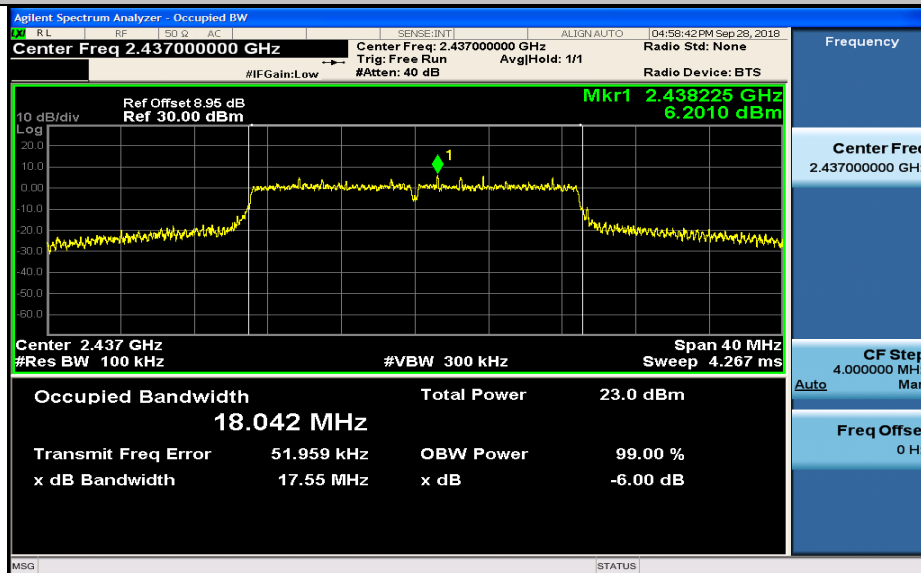
6dB Bandwidth_11G_2462_Ant1



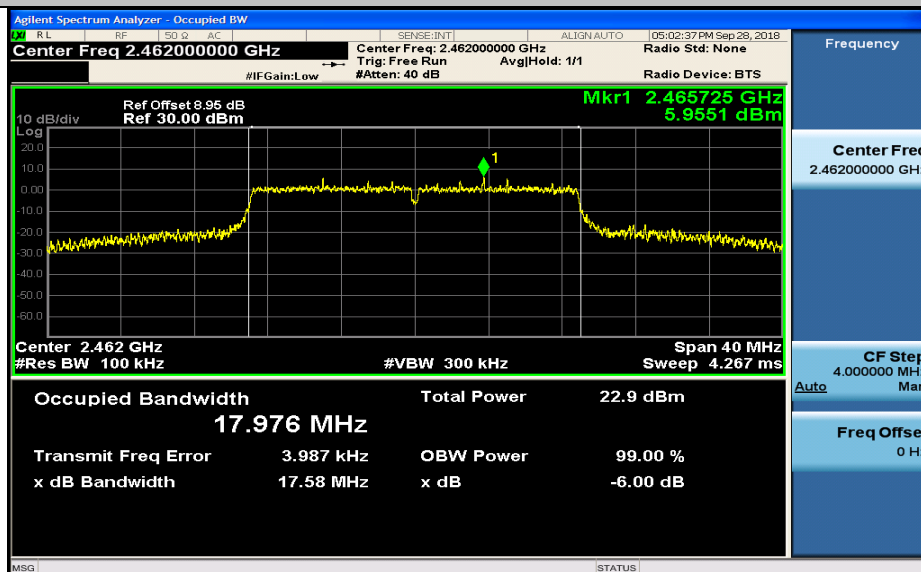
6dB Bandwidth_11N20SISO_2412_Ant1



6dB Bandwidth_11N20SISO_2437_Ant1



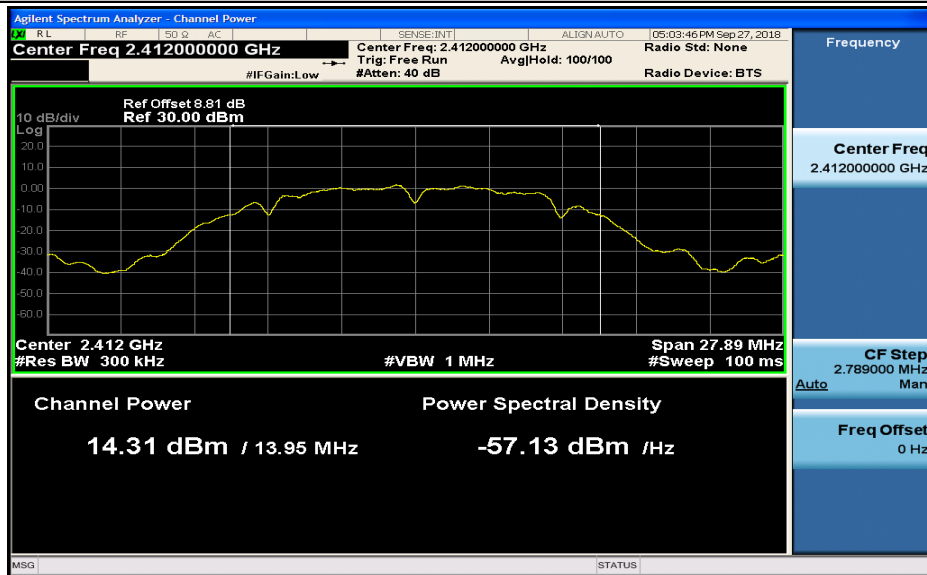
6dB Bandwidth_11N20SISO_2462_Ant1



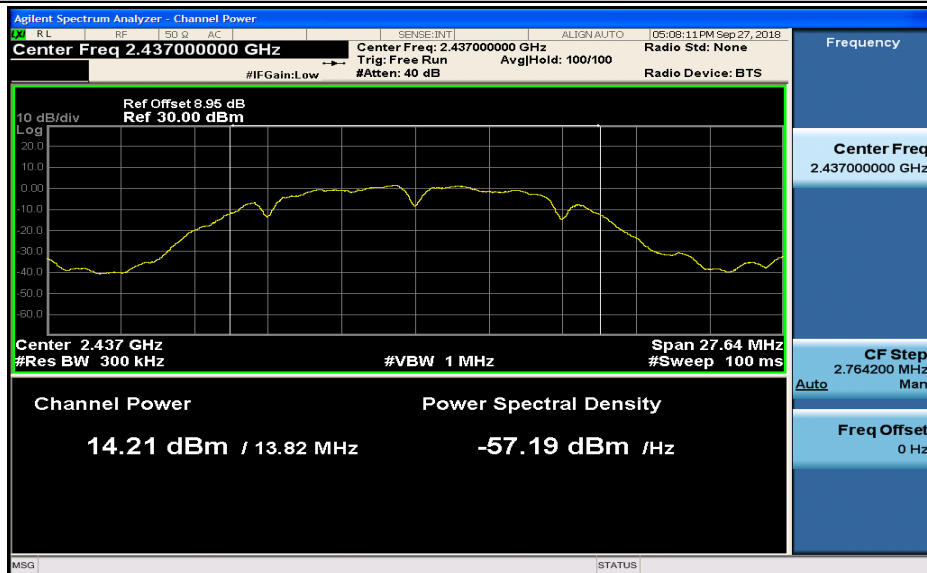
2.Maximum conducted (average) output power

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	14.31	2.68	16.99	30	PASS
11B	2437	Ant1	14.21	3.24	17.46	30	PASS
11B	2462	Ant1	14.02	3.07	17.09	30	PASS
11G	2412	Ant1	13.44	3.81	17.25	30	PASS
11G	2437	Ant1	13.32	3.74	17.06	30	PASS
11G	2462	Ant1	12.68	4.20	16.88	30	PASS
11N20SISO	2412	Ant1	12.99	4.31	17.30	30	PASS
11N20SISO	2437	Ant1	12.91	3.50	16.41	30	PASS
11N20SISO	2462	Ant1	12.75	4.46	17.20	30	PASS

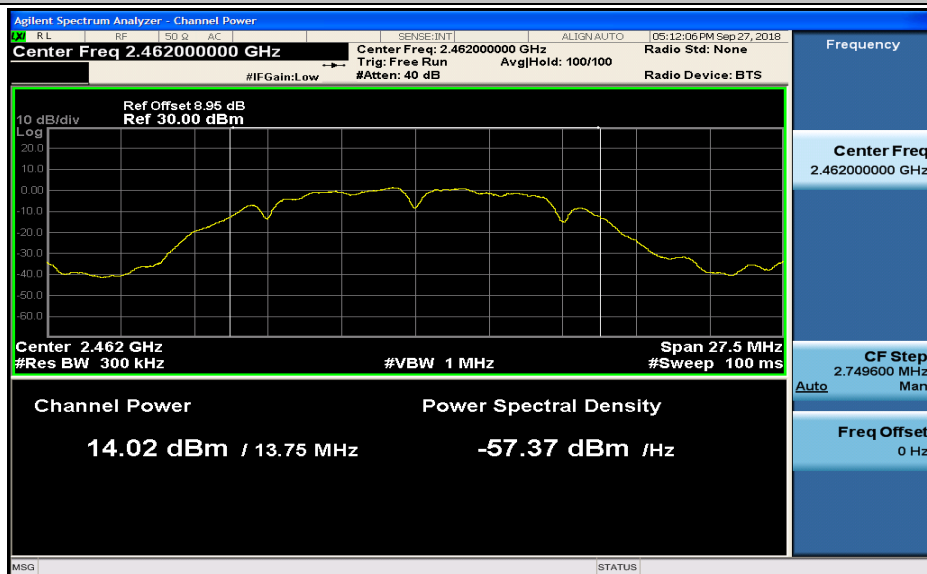
Maximum conducted (average) output power_11B_2412_Ant1



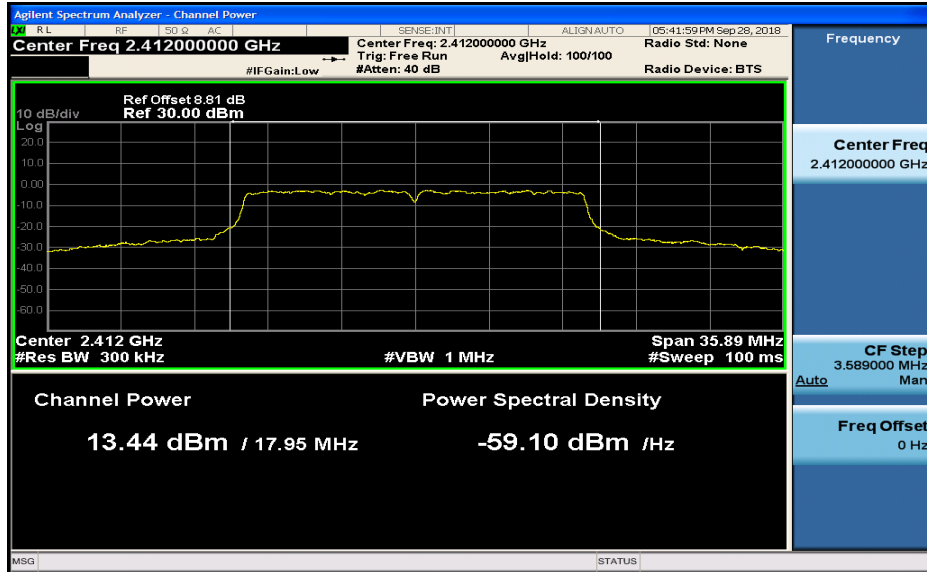
Maximum conducted (average) output power_11B_2437_Ant1



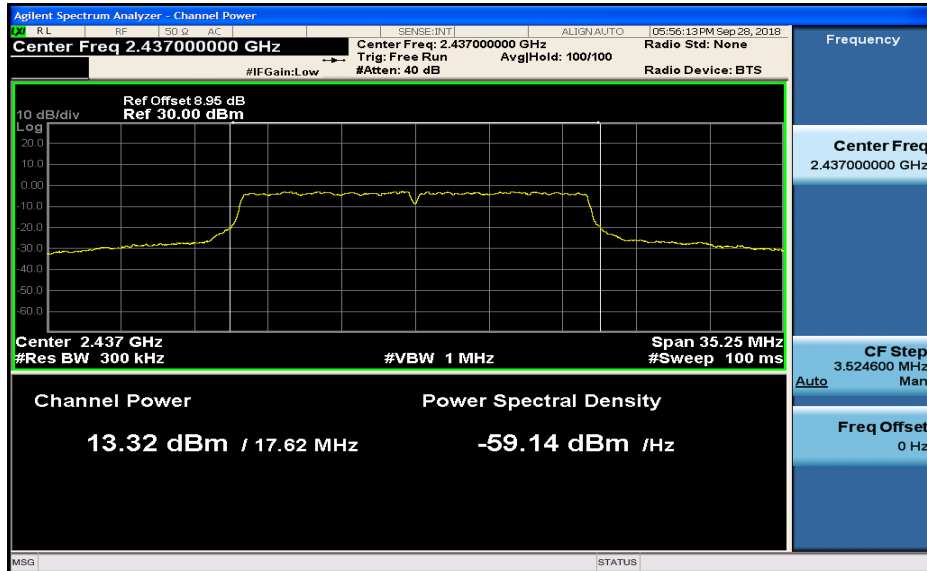
Maximum conducted (average) output power_11B_2462_Ant1



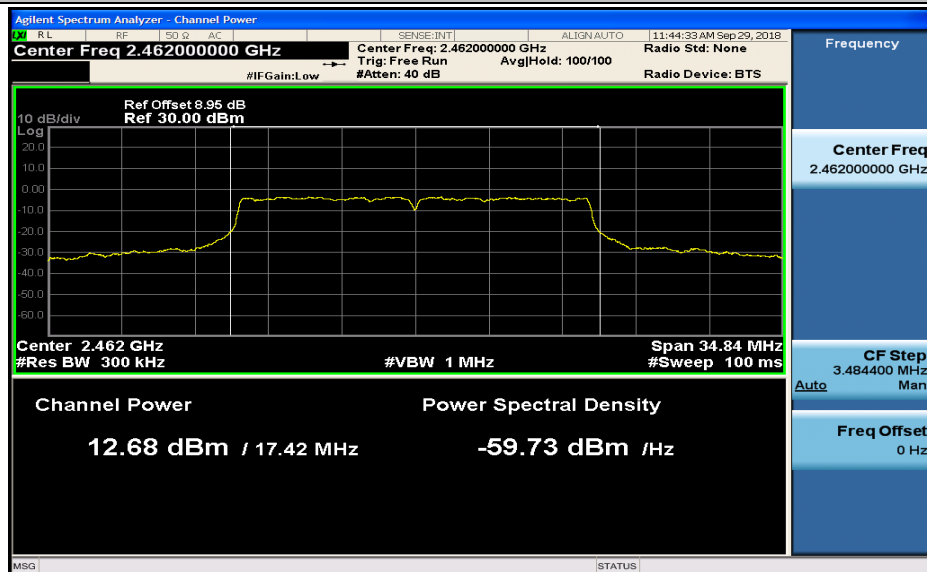
Maximum conducted (average) output power_11G_2412_Ant1



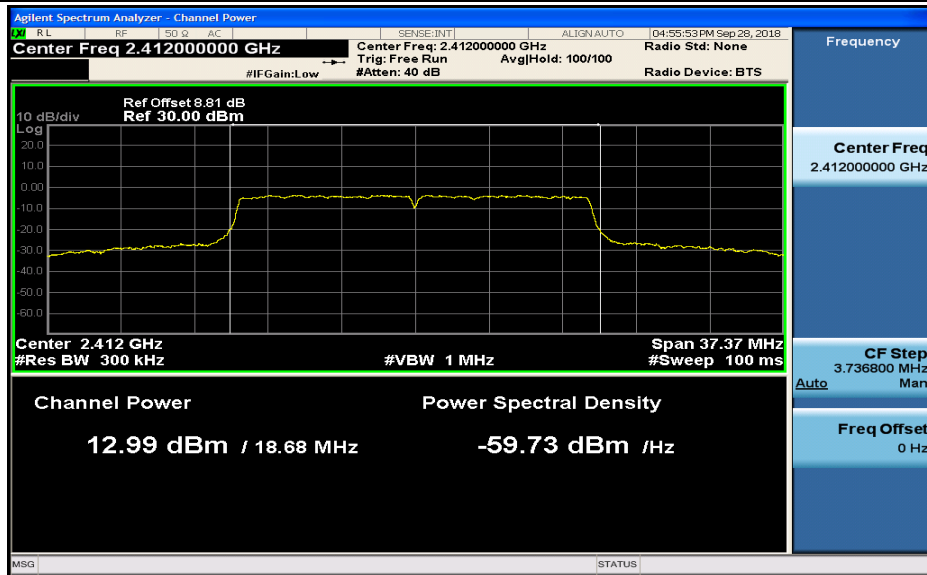
Maximum conducted (average) output power_11G_2437_Ant1



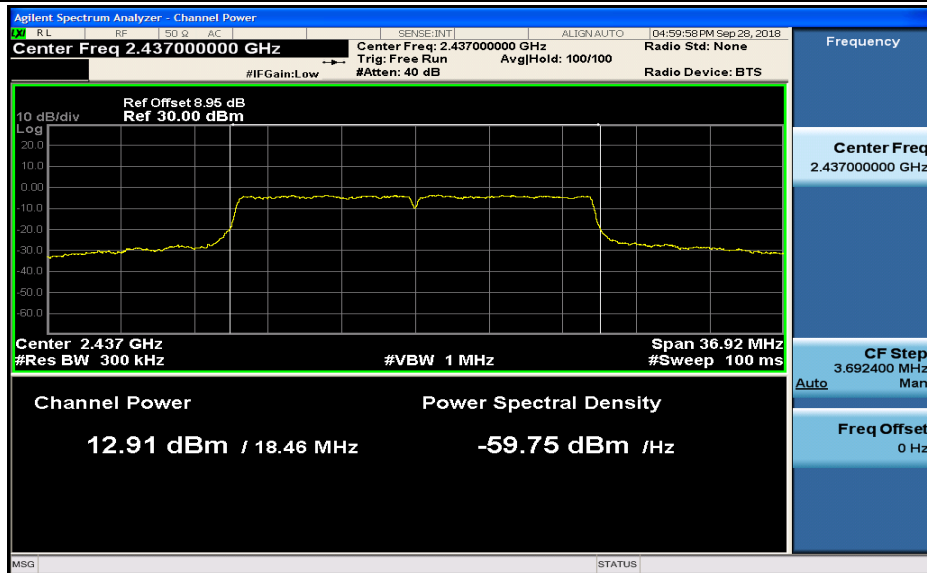
Maximum conducted (average) output power_11G_2462_Ant1



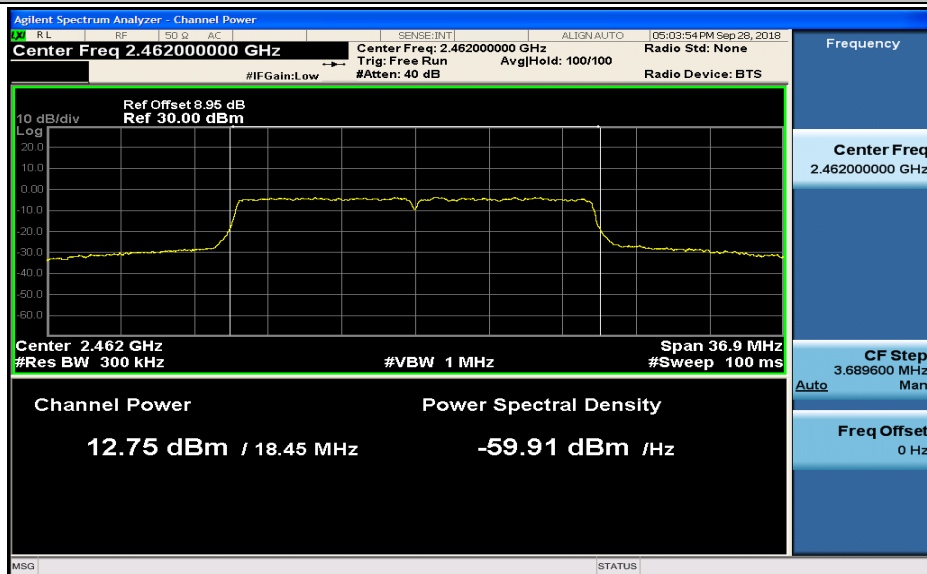
Maximum conducted (average) output power_11N20SISO_2412_Ant1



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	-17.60	2.68	-14.92	8.00	PASS
11B	2437	Ant1	-18.13	3.24	-14.89	8.00	PASS
11B	2462	Ant1	-17.82	3.07	-14.75	8.00	PASS
11G	2412	Ant1	-21.44	3.81	-17.63	8.00	PASS
11G	2437	Ant1	-21.52	3.74	-17.78	8.00	PASS
11G	2462	Ant1	-21.68	4.20	-17.48	8.00	PASS
11N20SISO	2412	Ant1	-21.78	4.31	-17.47	8.00	PASS
11N20SISO	2437	Ant1	-21.45	3.50	-17.95	8.00	PASS
11N20SISO	2462	Ant1	-21.53	4.46	-17.07	8.00	PASS

Maximum(average) power spectral density_11B_2412_Ant1



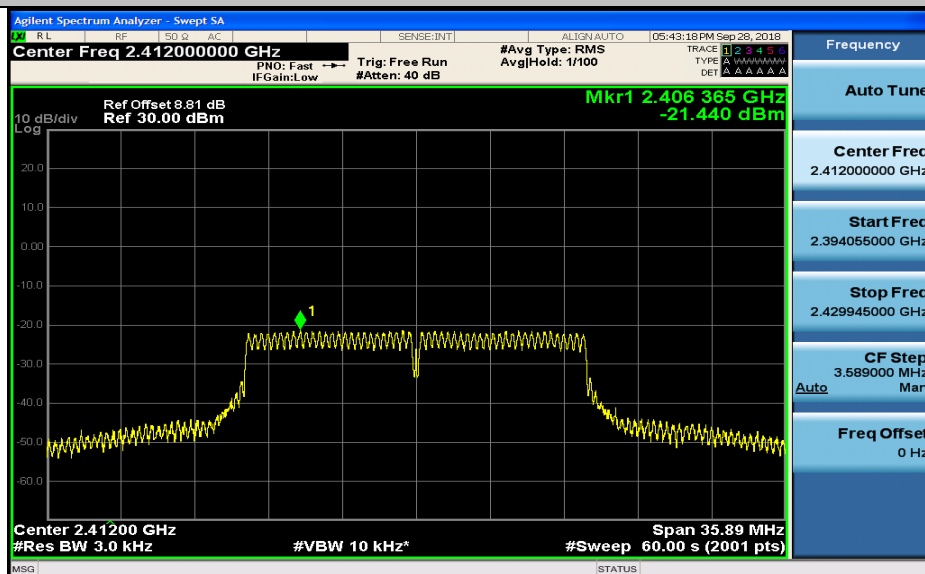
Maximum(average) power spectral density_11B_2437_Ant1



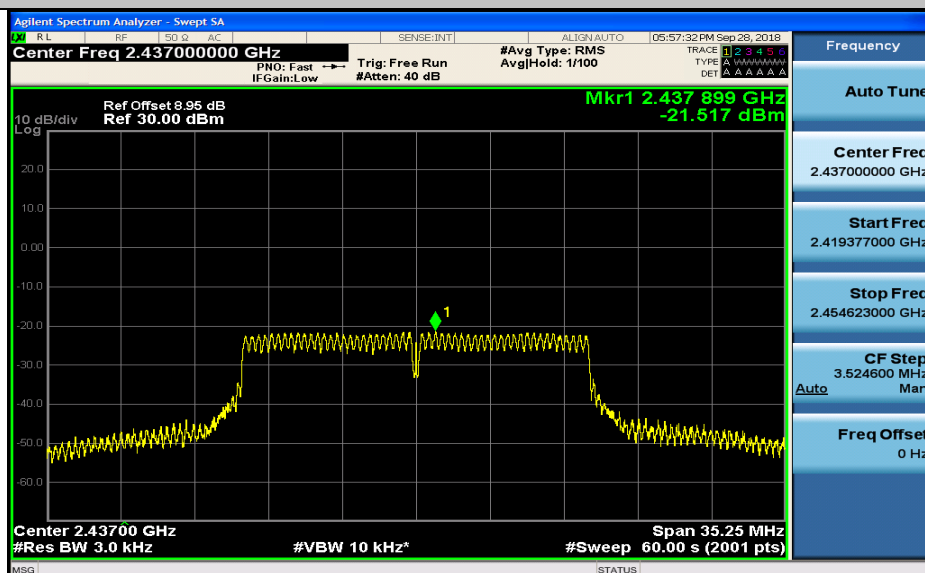
Maximum(average) power spectral density_11B_2462_Ant1



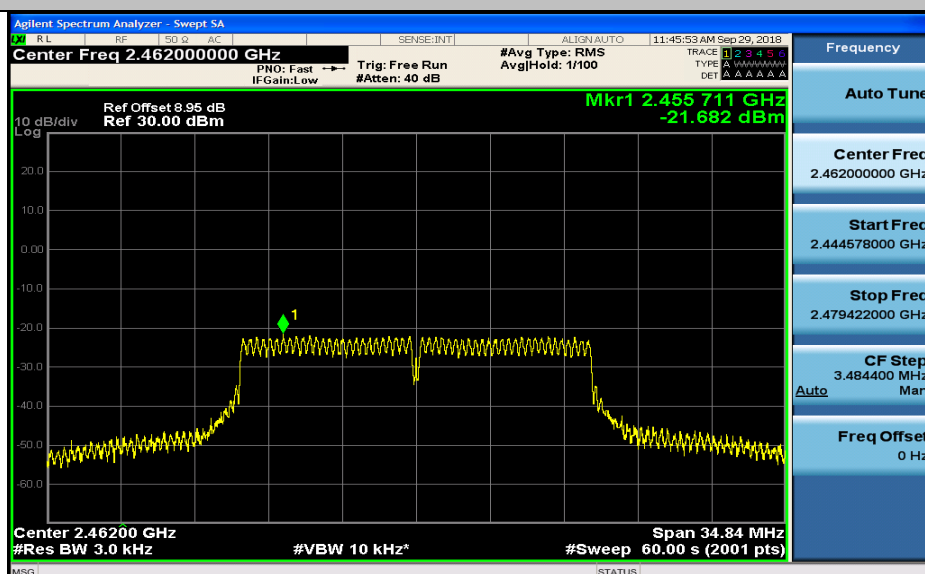
Maximum(average) power spectral density_11G_2412_Ant1



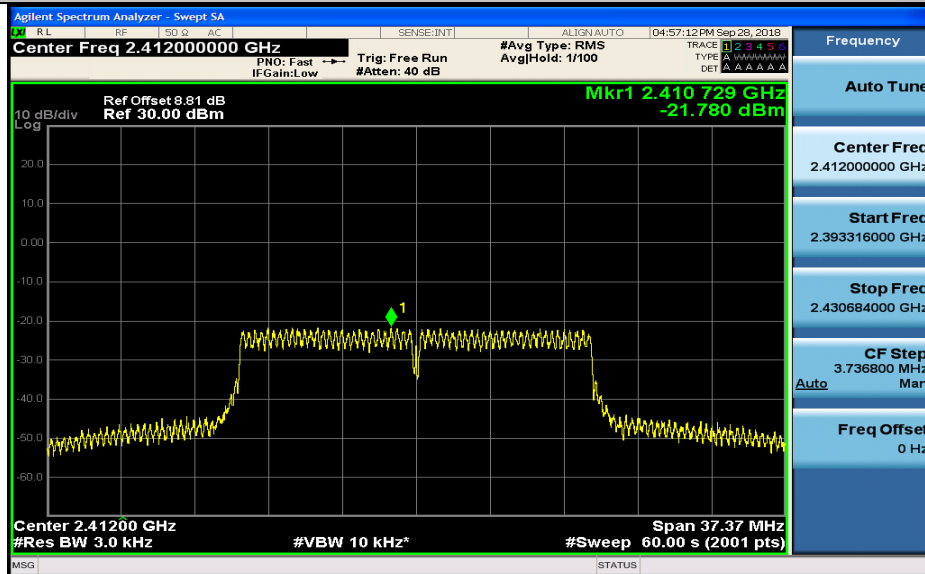
Maximum(average) power spectral density_11G_2437_Ant1



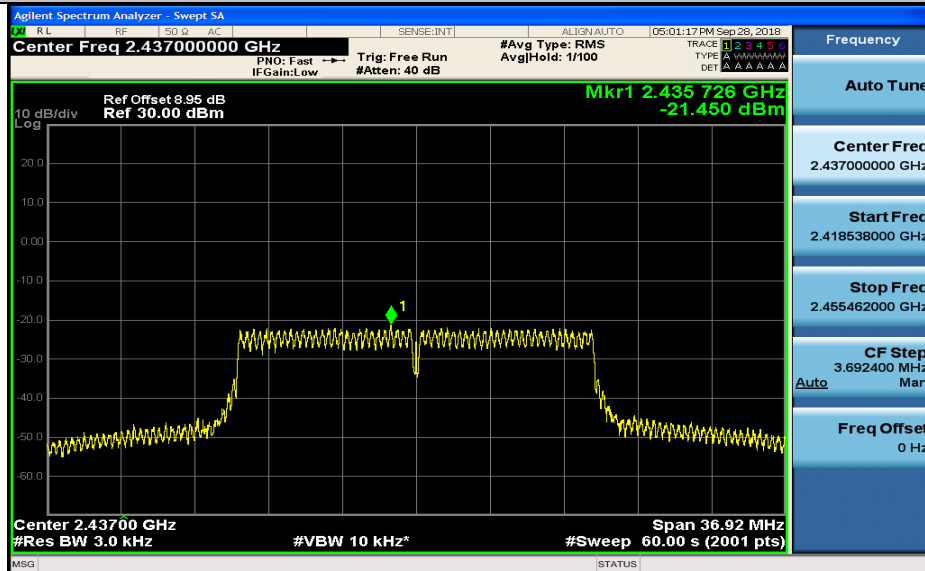
Maximum(average) power spectral density_11G_2462_Ant1



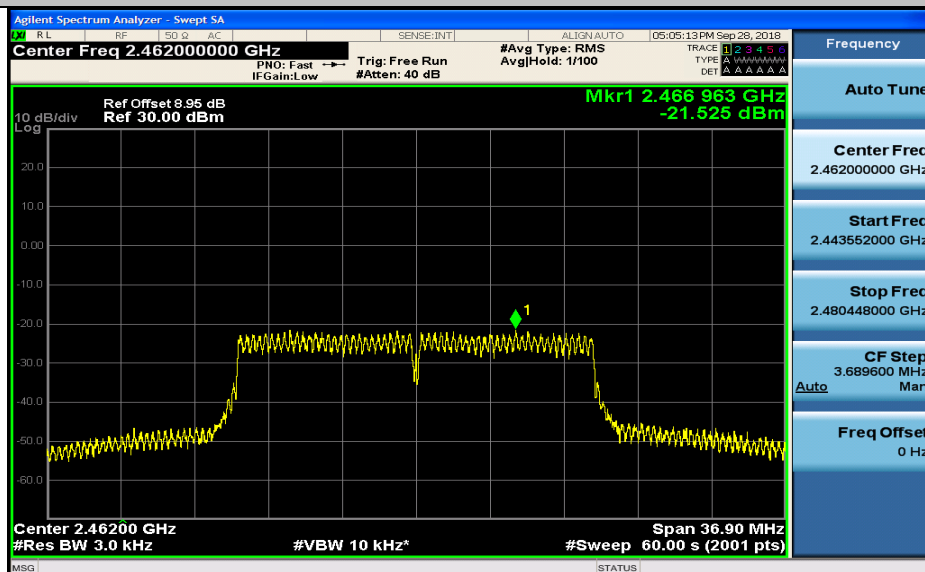
Maximum(average) power spectral density_11N20SISO_2412_Ant1



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	8.54	-22.83	-21.46	PASS
11B	2462	Ant1	7.35	-47.53	-22.65	PASS
11G	2412	Ant1	1.01	-30.27	-29.00	PASS
11G	2462	Ant1	5.96	-29.37	-24.04	PASS
11N20SISO	2412	Ant1	1.42	-29.82	-28.59	PASS
11N20SISO	2462	Ant1	5.62	-26.23	-24.38	PASS

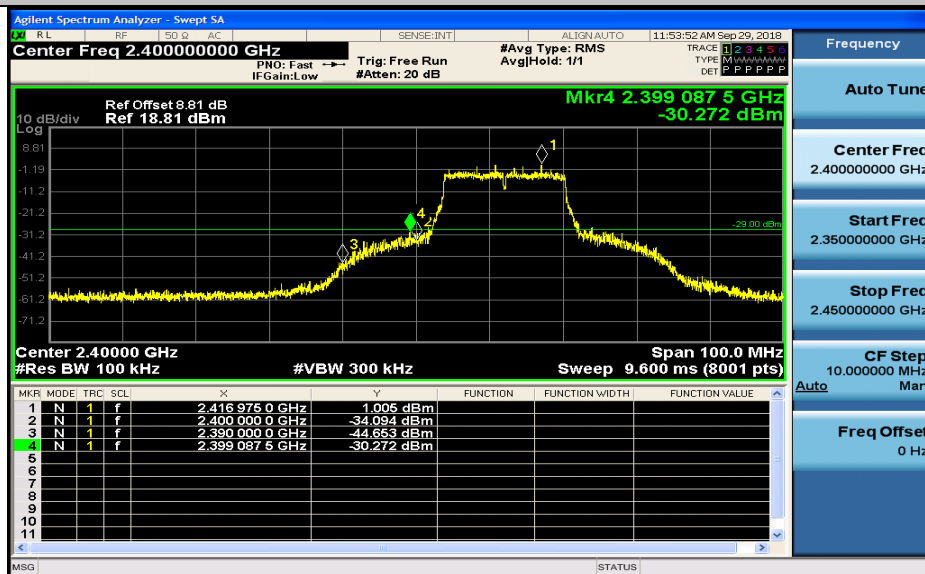
Band-edge for RF Conducted Emissions_11B_2412_Ant1



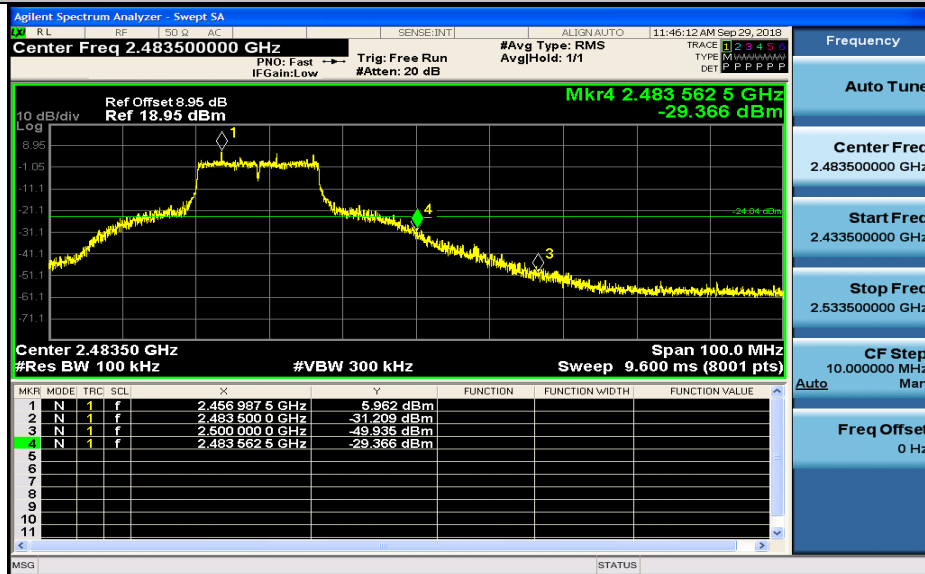
Band-edge for RF Conducted Emissions_11B_2462_Ant1



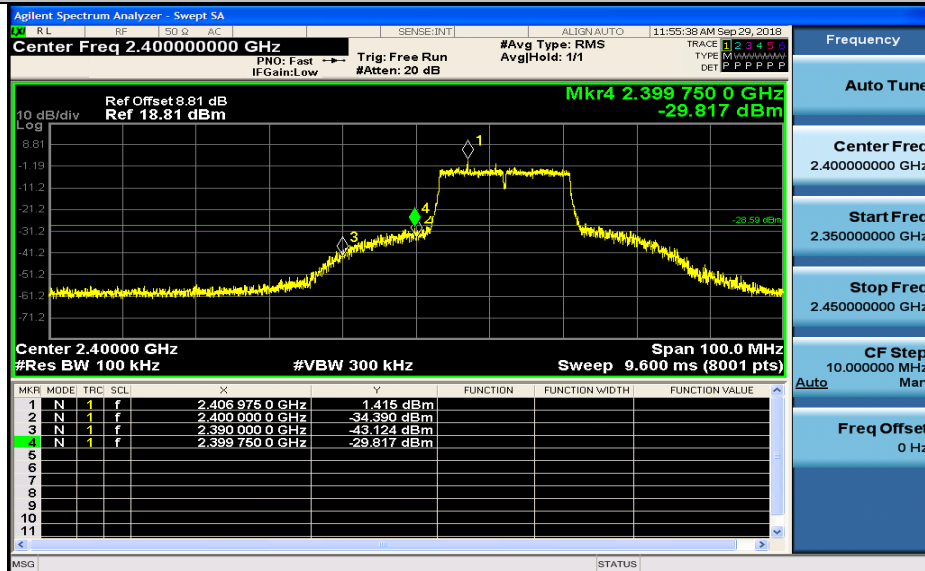
Band-edge for RF Conducted Emissions_11G_2412_Ant1



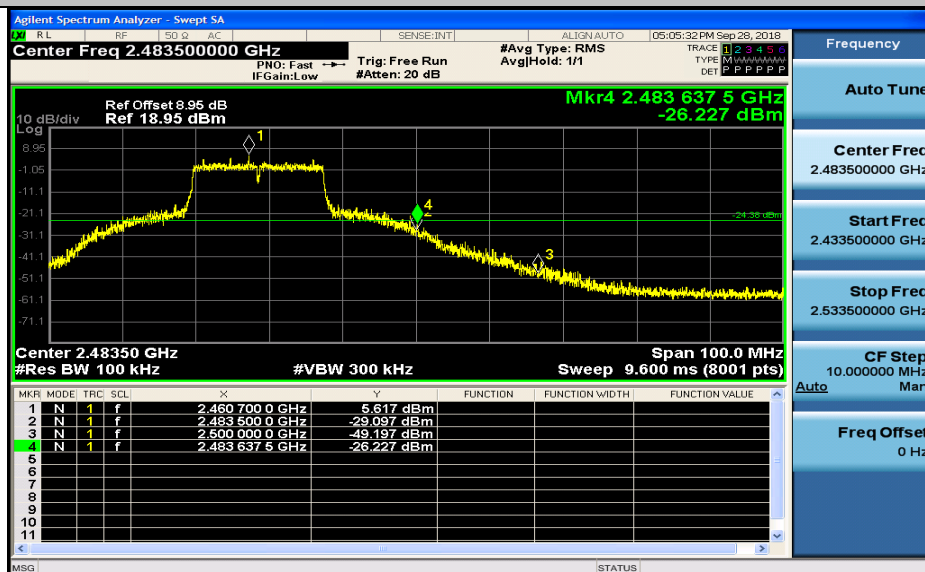
Band-edge for RF Conducted Emissions_11G_2462_Ant1



Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



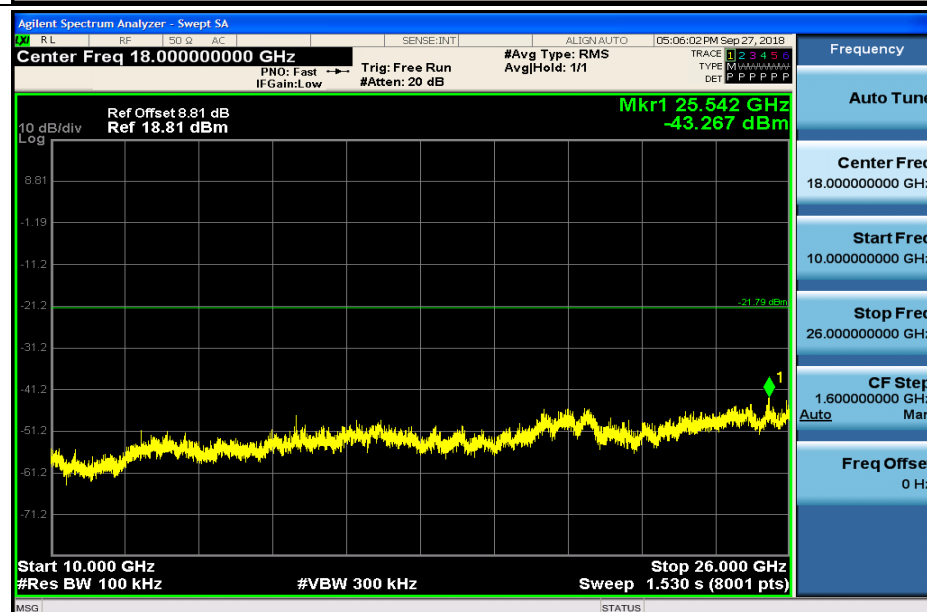
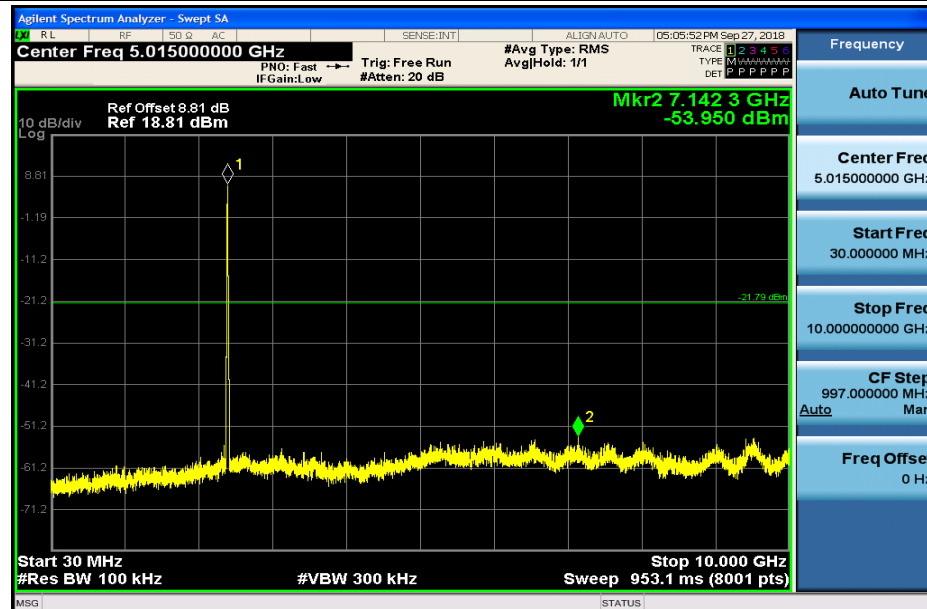
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1



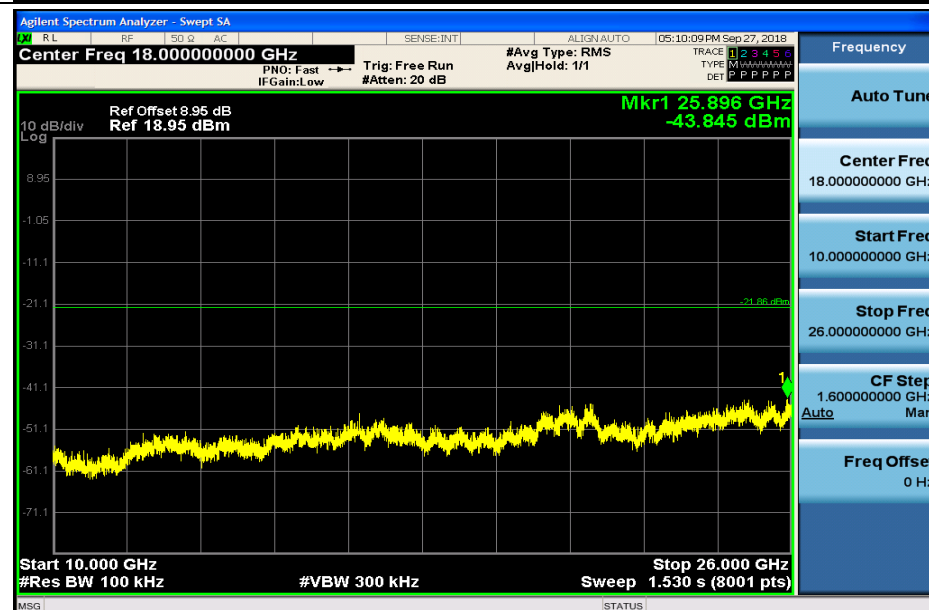
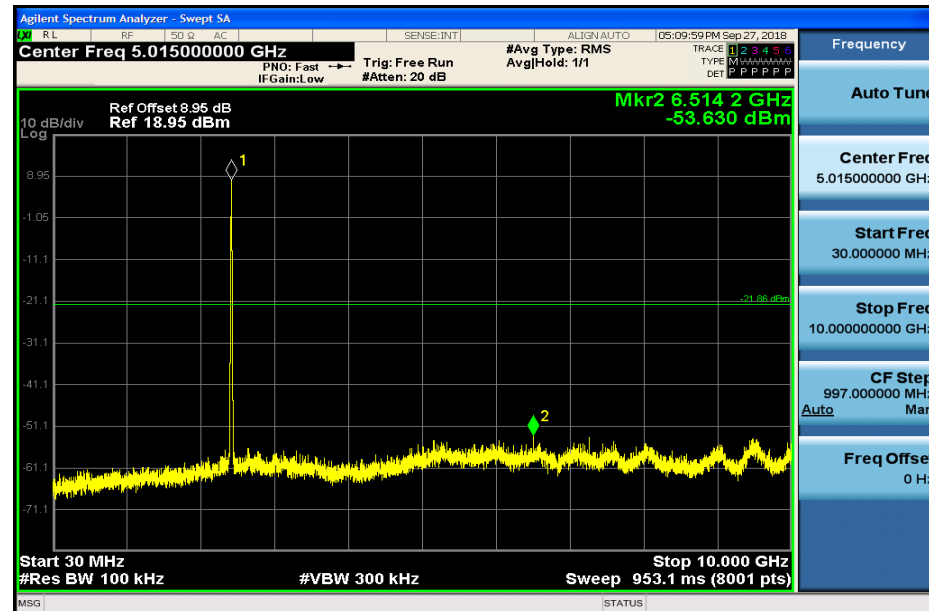
5.RF Conducted Spurious Emissions

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	8.21	-53.95	<- 21.79	PASS
11B	2412	Ant1	10000	26000	100	300	8.208	-43.267	<- 21.792	PASS
11B	2437	Ant1	30	10000	100	300	8.14	-53.63	<- 21.86	PASS
11B	2437	Ant1	10000	26000	100	300	8.14	-43.845	<- 21.86	PASS
11B	2462	Ant1	30	10000	100	300	7.53	-53.47	<- 22.47	PASS
11B	2462	Ant1	10000	26000	100	300	7.529	-43.296	<- 22.471	PASS
11G	2412	Ant1	30	10000	100	300	6.51	-53.82	<- 23.49	PASS
11G	2412	Ant1	10000	26000	100	300	6.51	-42.894	<- 23.49	PASS
11G	2437	Ant1	30	10000	100	300	5.82	-53.40	<- 24.18	PASS
11G	2437	Ant1	10000	26000	100	300	5.821	-43.621	<- 24.179	PASS
11G	2462	Ant1	30	10000	100	300	5.64	-52.48	<- 24.36	PASS
11G	2462	Ant1	10000	26000	100	300	5.644	-43.404	<- 24.356	PASS
11N20SISO	2412	Ant1	30	10000	100	300	6.49	-54.87	<- 23.51	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	6.488	-42.199	<- 23.512	PASS
11N20SISO	2437	Ant1	30	10000	100	300	5.95	-53.49	<- 24.05	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	5.952	-43.460	<- 24.048	PASS
11N20SISO	2462	Ant1	30	10000	100	300	6.02	-53.80	<- 23.98	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	6.018	-43.365	<- 23.982	PASS

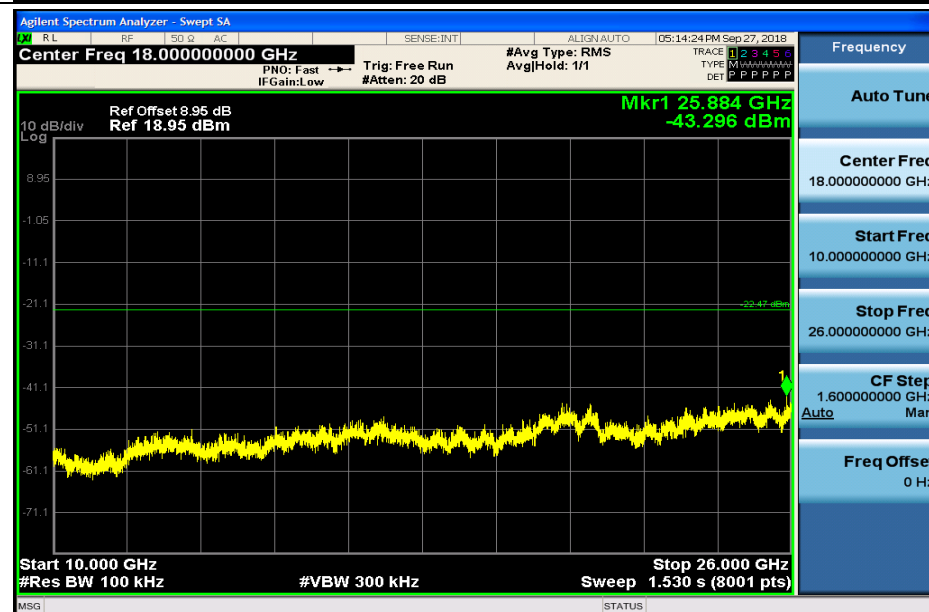
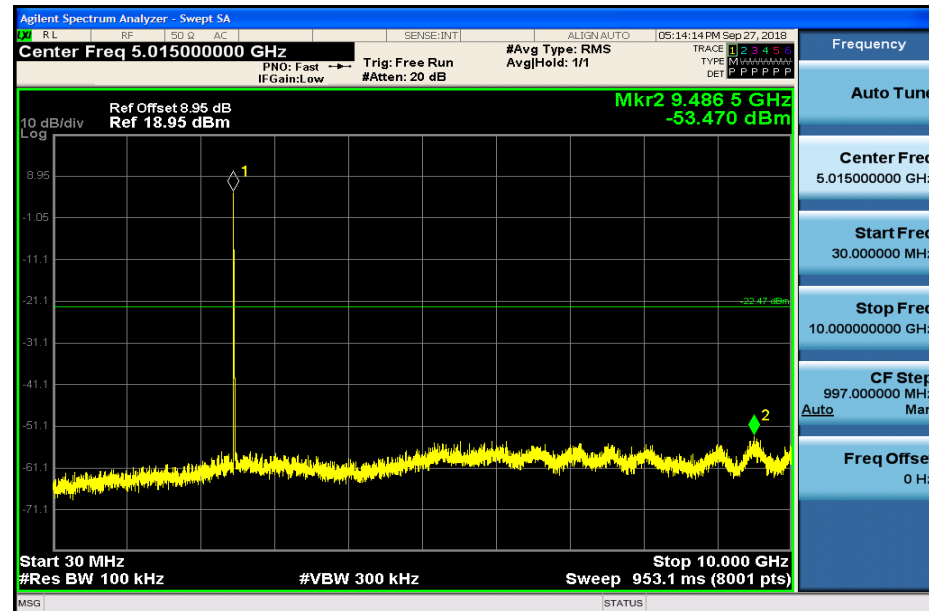
RF Conducted Spurious Emissions_11B_2412



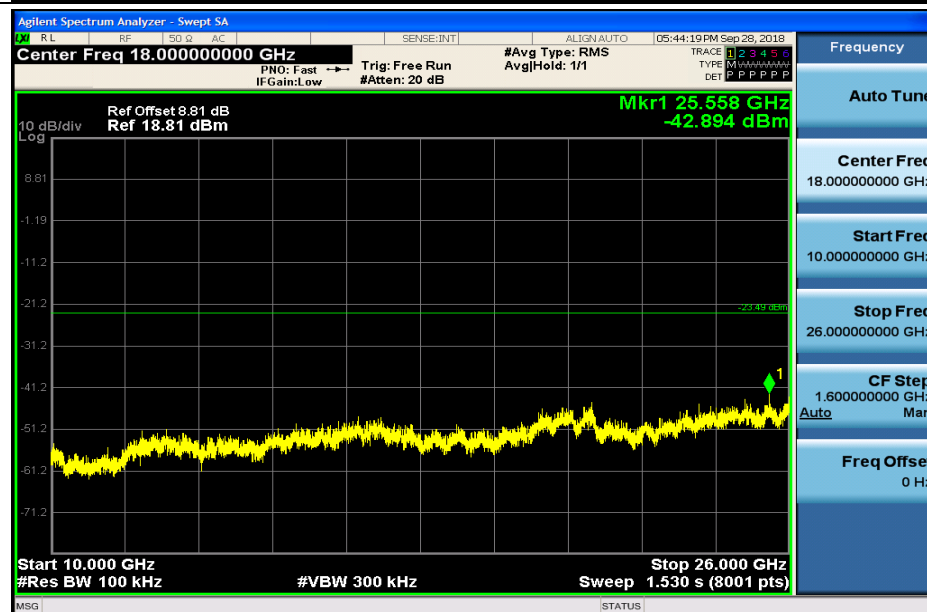
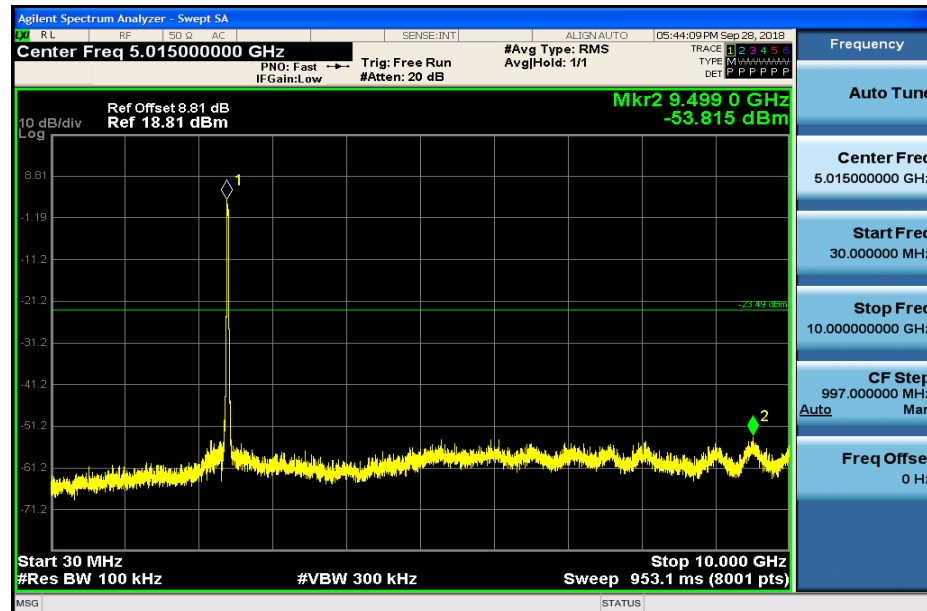
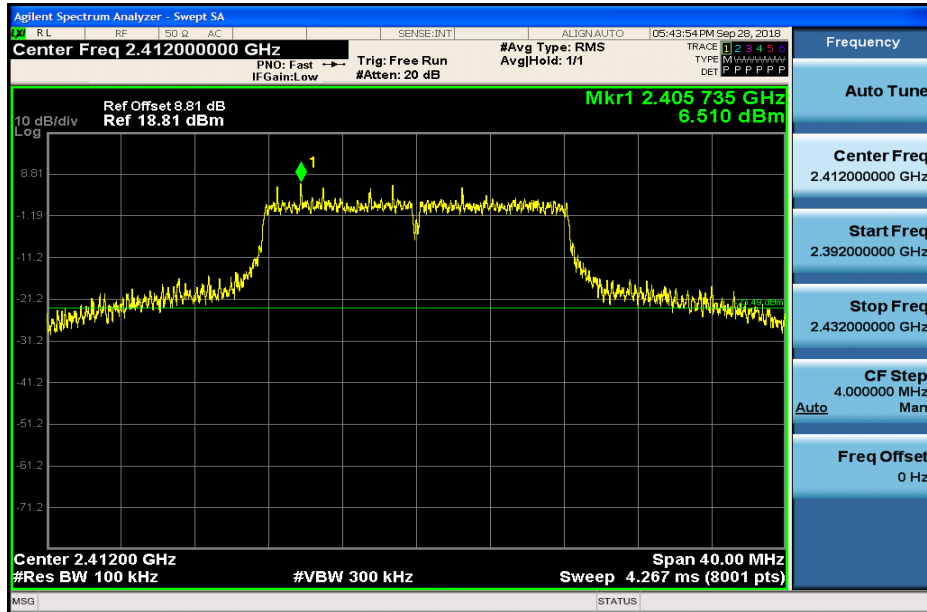
RF Conducted Spurious Emissions_11B_2437



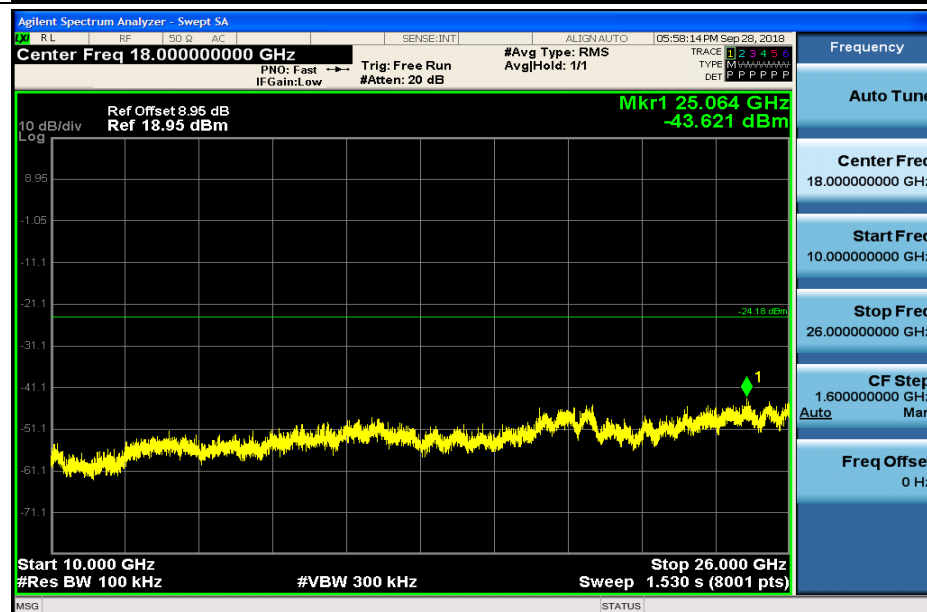
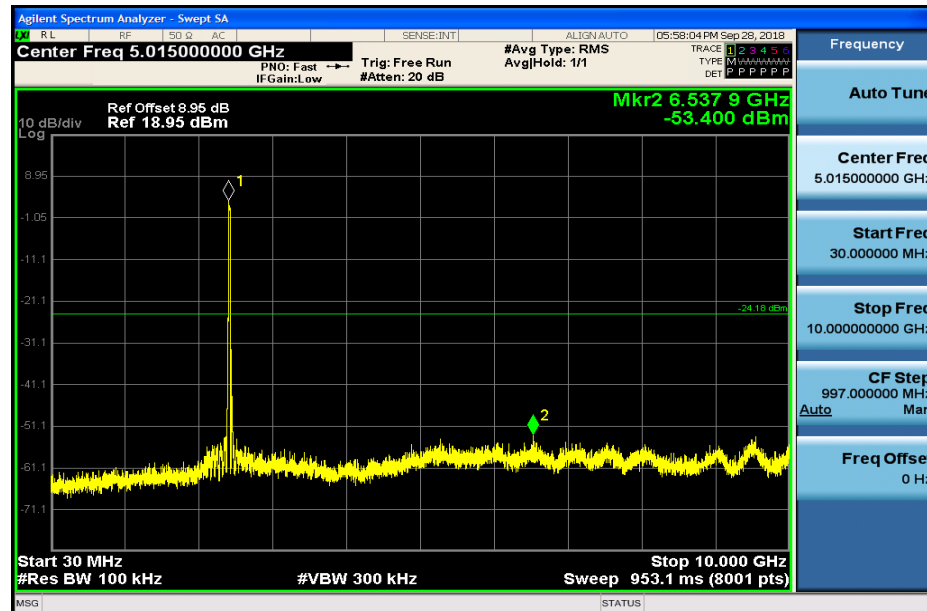
RF Conducted Spurious Emissions_11B_2462



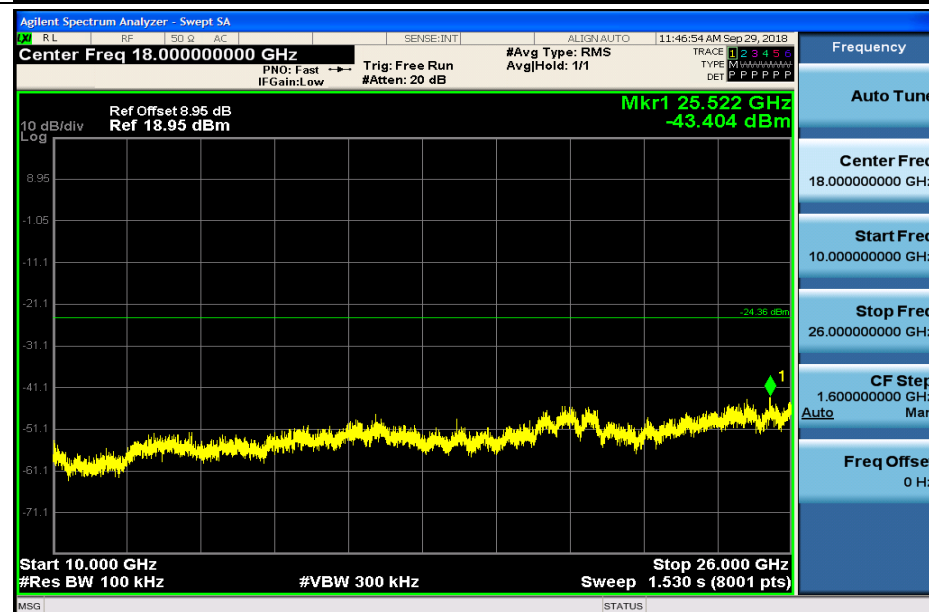
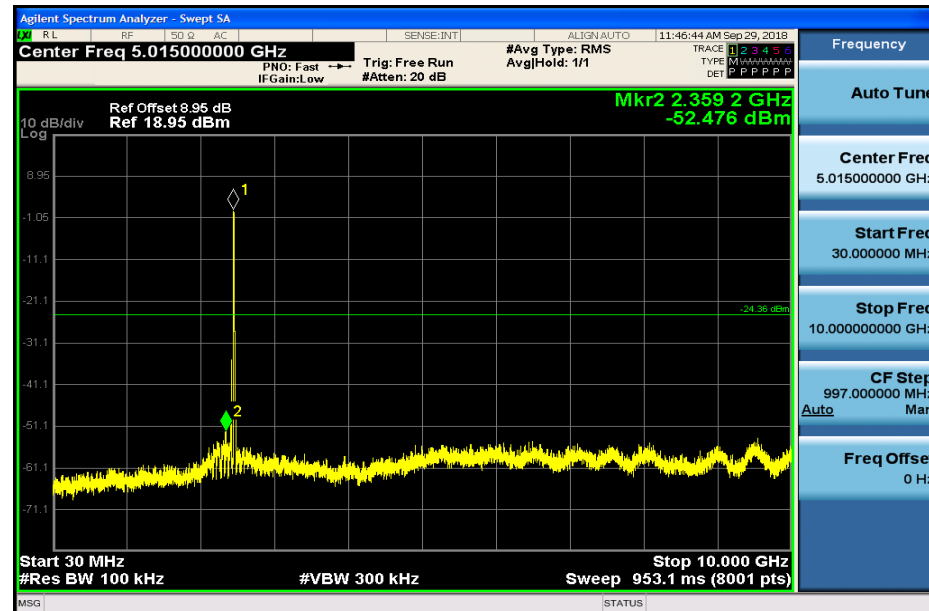
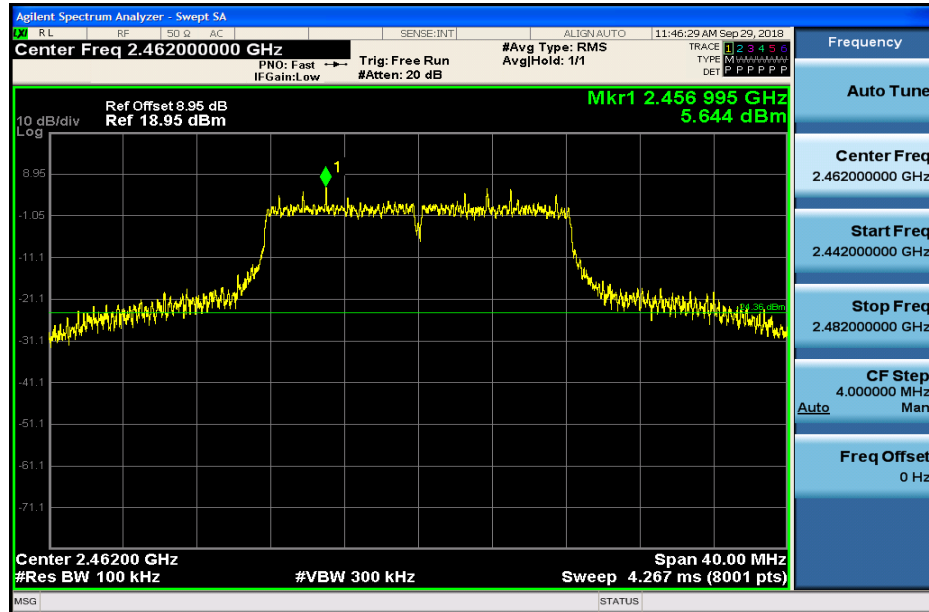
RF Conducted Spurious Emissions_11G_2412



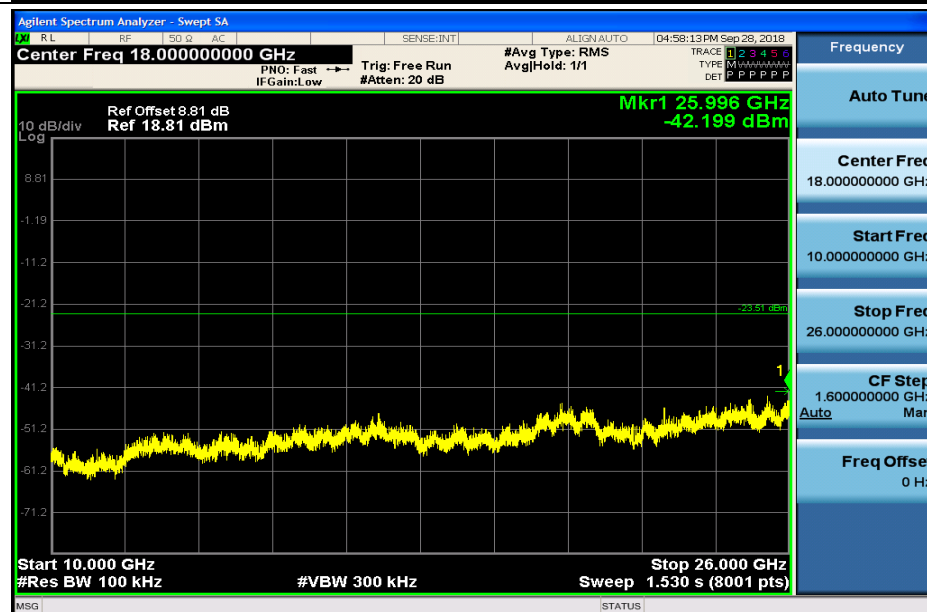
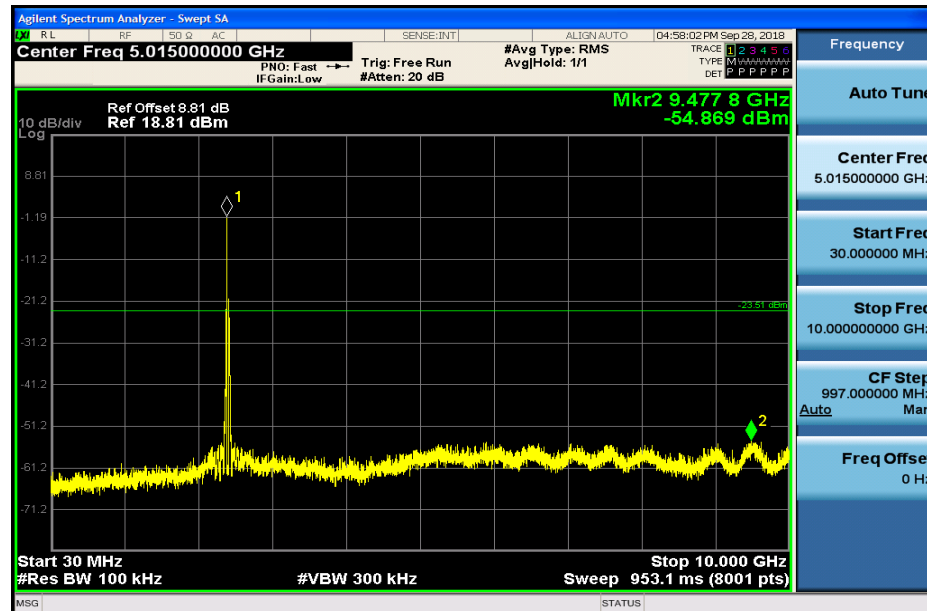
RF Conducted Spurious Emissions_11G_2437



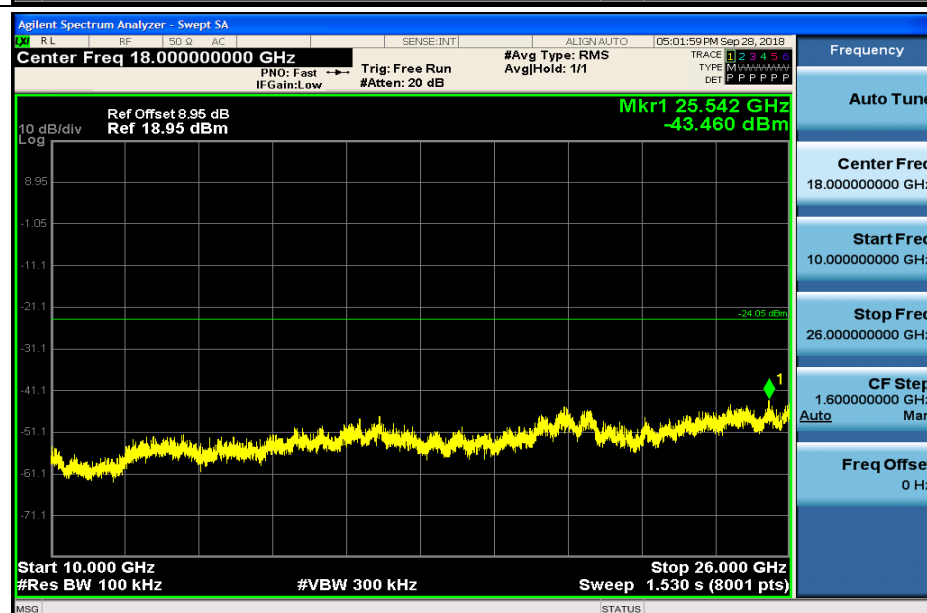
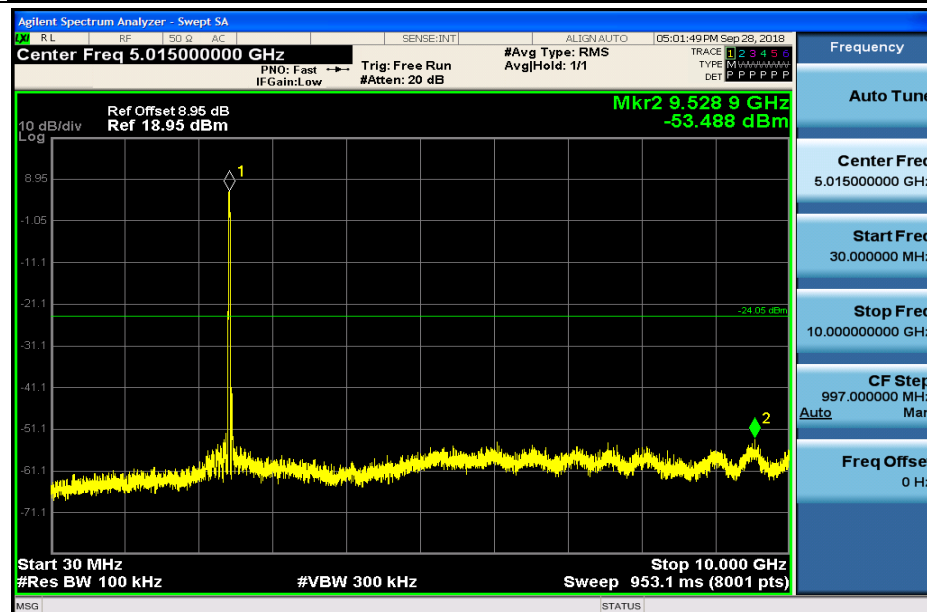
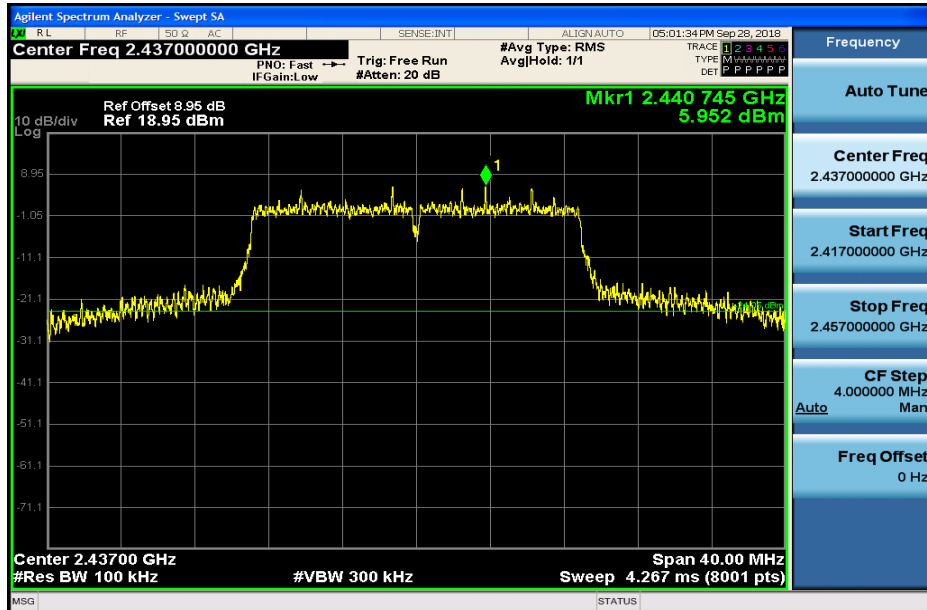
RF Conducted Spurious Emissions_11G_2462



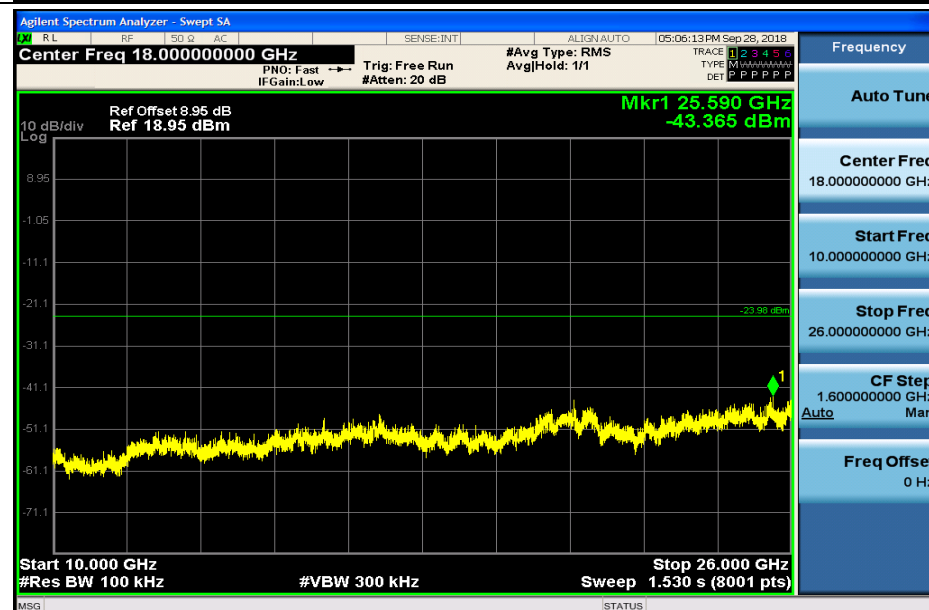
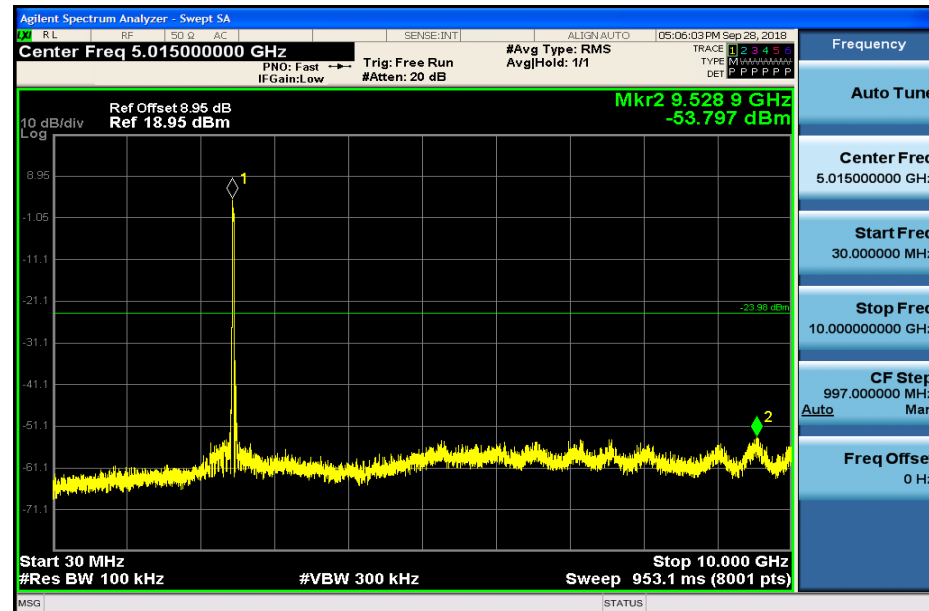
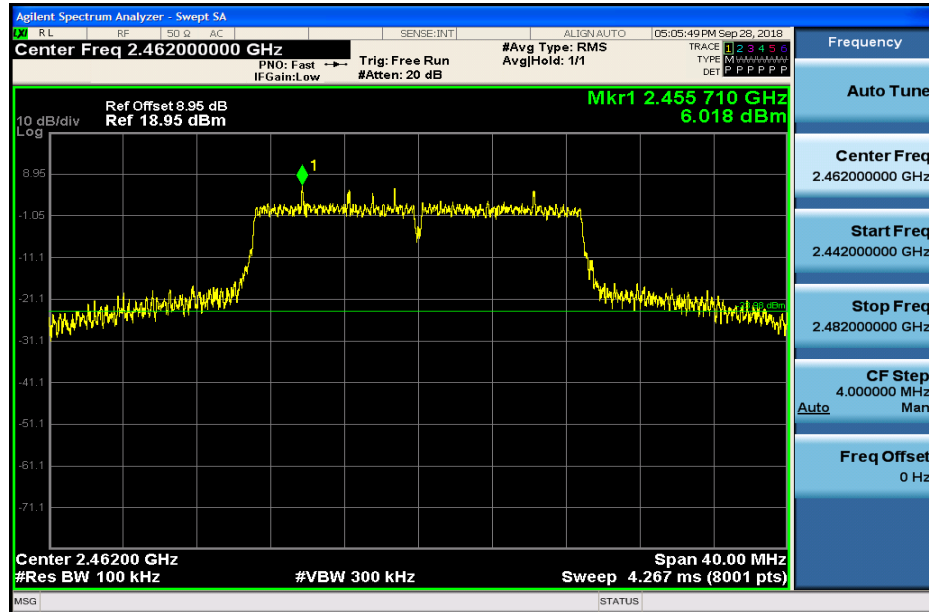
RF Conducted Spurious Emissions_11N20SISO_2412



RF Conducted Spurious Emissions_11N20SISO_2437



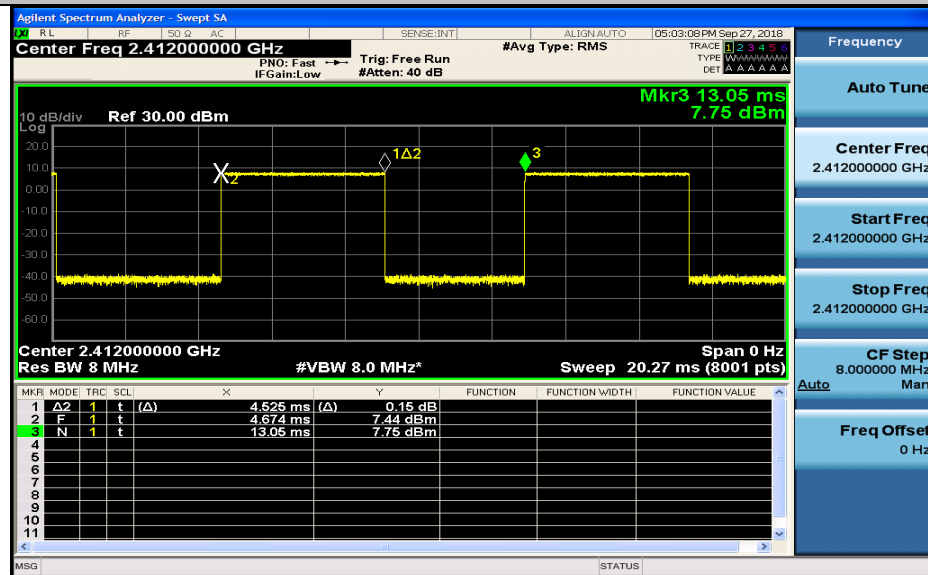
RF Conducted Spurious Emissions_11N20SISO_2462



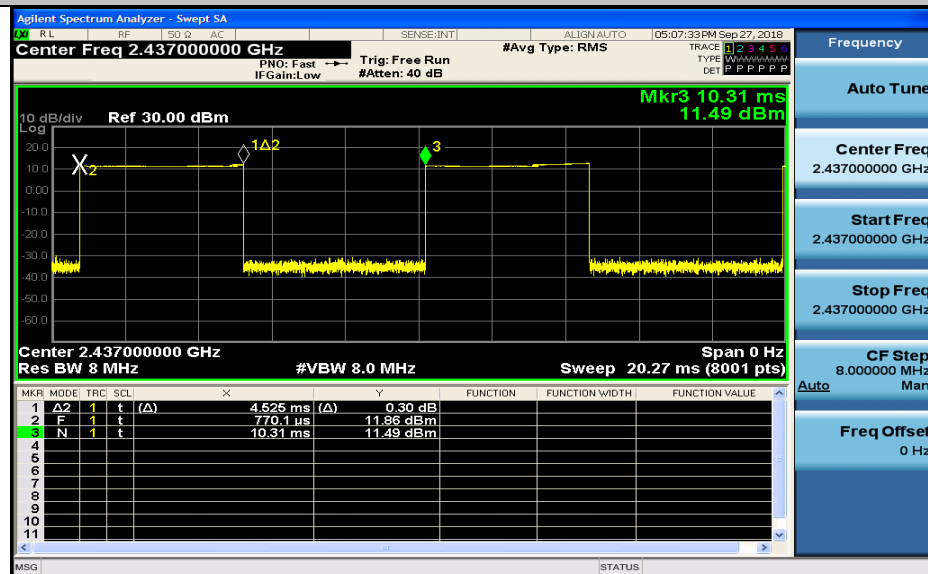
6.Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	53.99	2.68
11B	2437	Ant1	47.42	3.24
11B	2462	Ant1	49.28	3.07
11G	2412	Ant1	41.59	3.81
11G	2437	Ant1	42.25	3.74
11G	2462	Ant1	38.02	4.20
11N20SISO	2412	Ant1	37.06	4.31
11N20SISO	2437	Ant1	44.62	3.50
11N20SISO	2462	Ant1	35.85	4.46

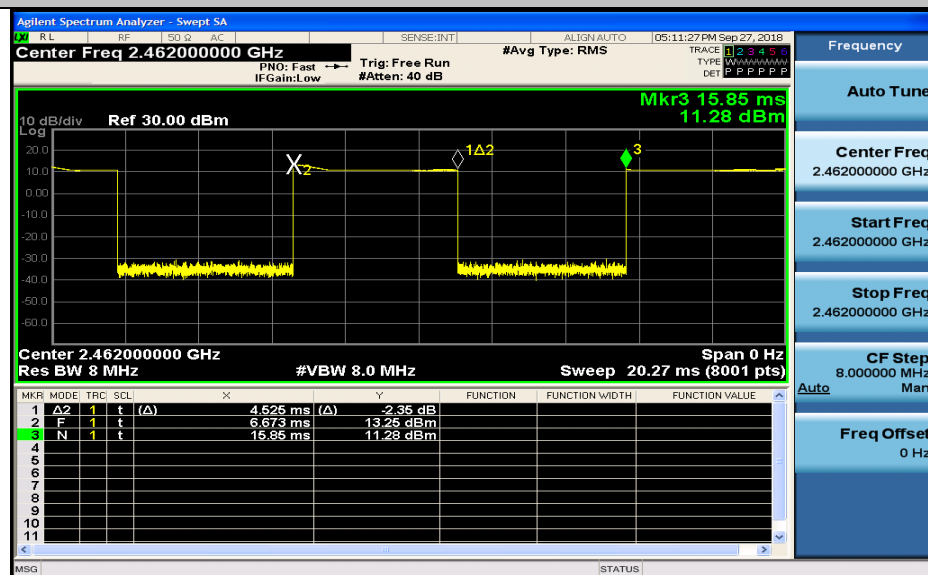
Duty Cycle_11B_2412_Ant1



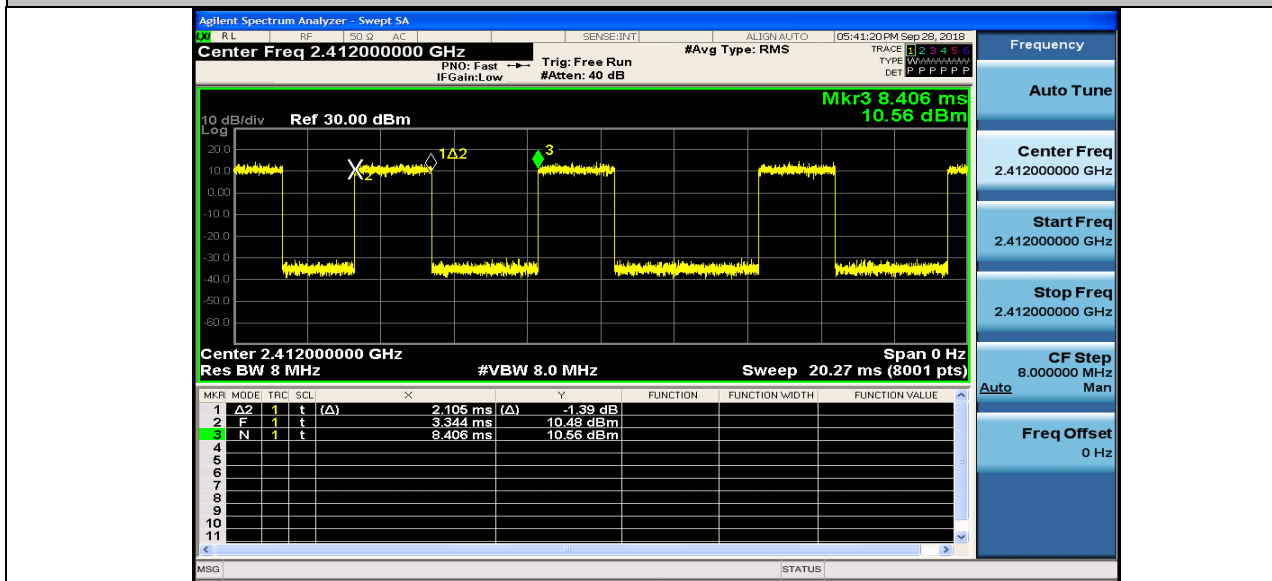
Duty Cycle_11B_2437_Ant1



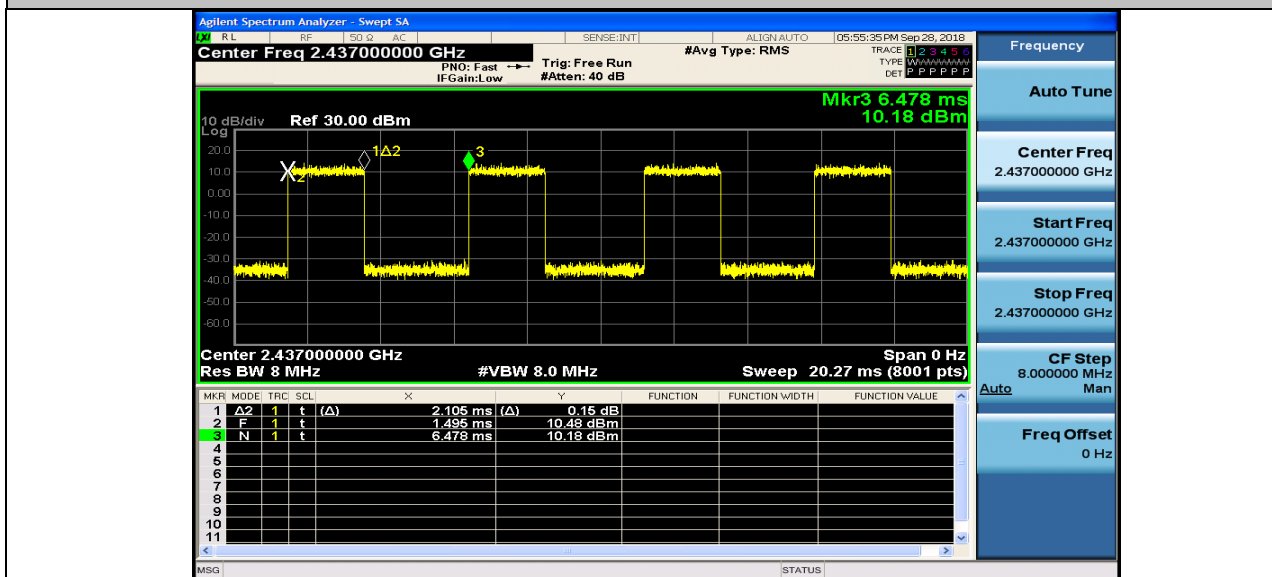
Duty Cycle_11B_2462_Ant1



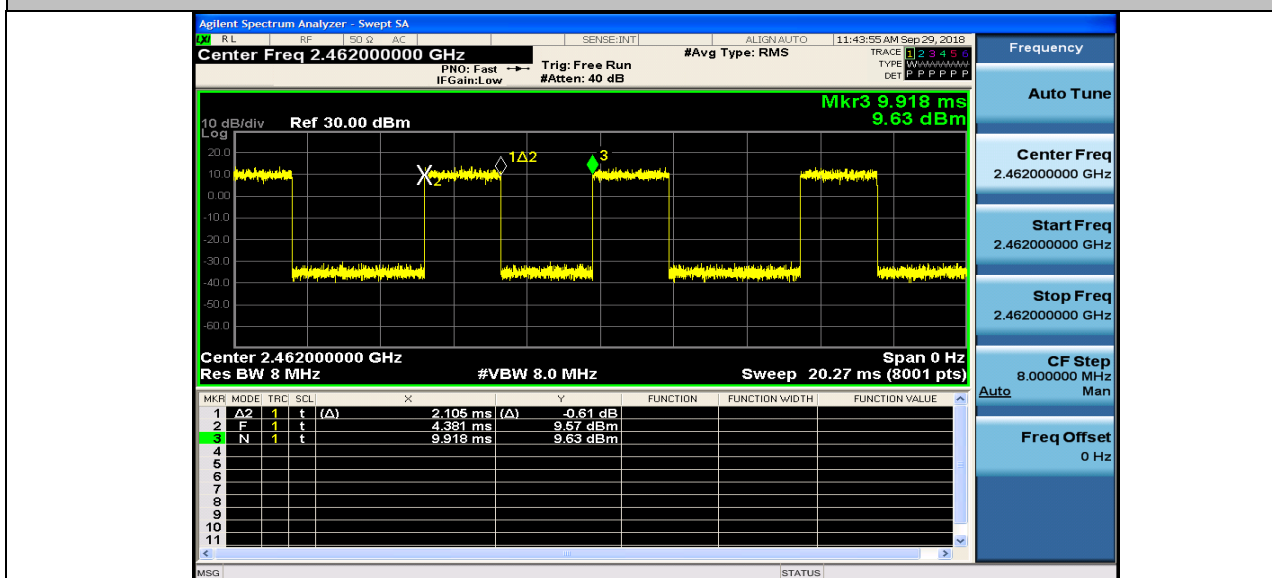
Duty Cycle_11G_2412_Ant1



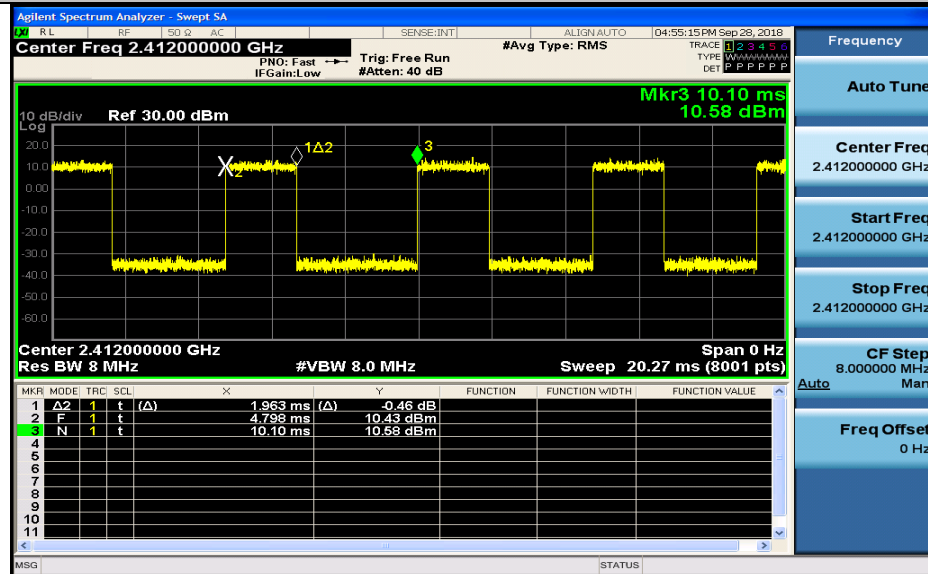
Duty Cycle_11G_2437_Ant1



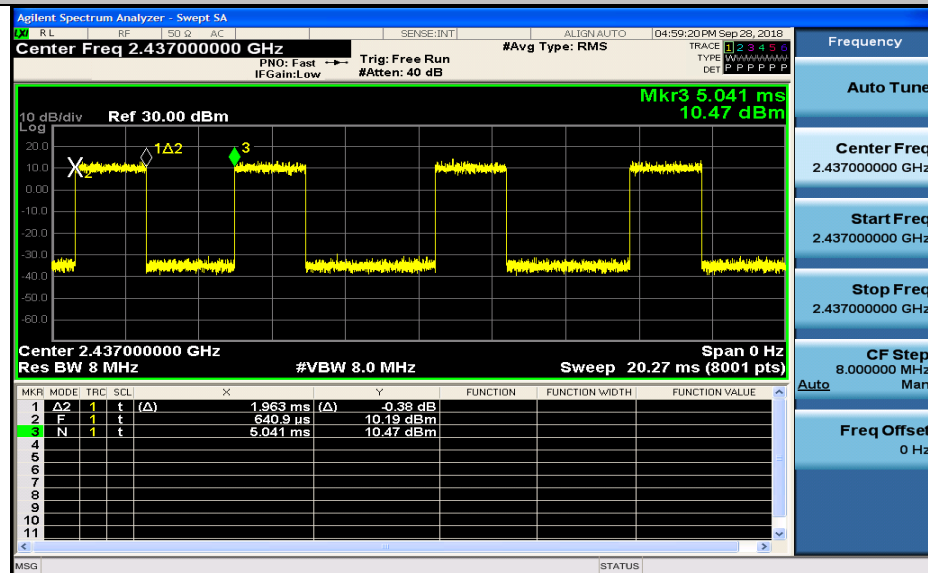
Duty Cycle_11G_2462_Ant1



Duty Cycle_11N20SISO_2412_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N20SISO_2462_Ant1

