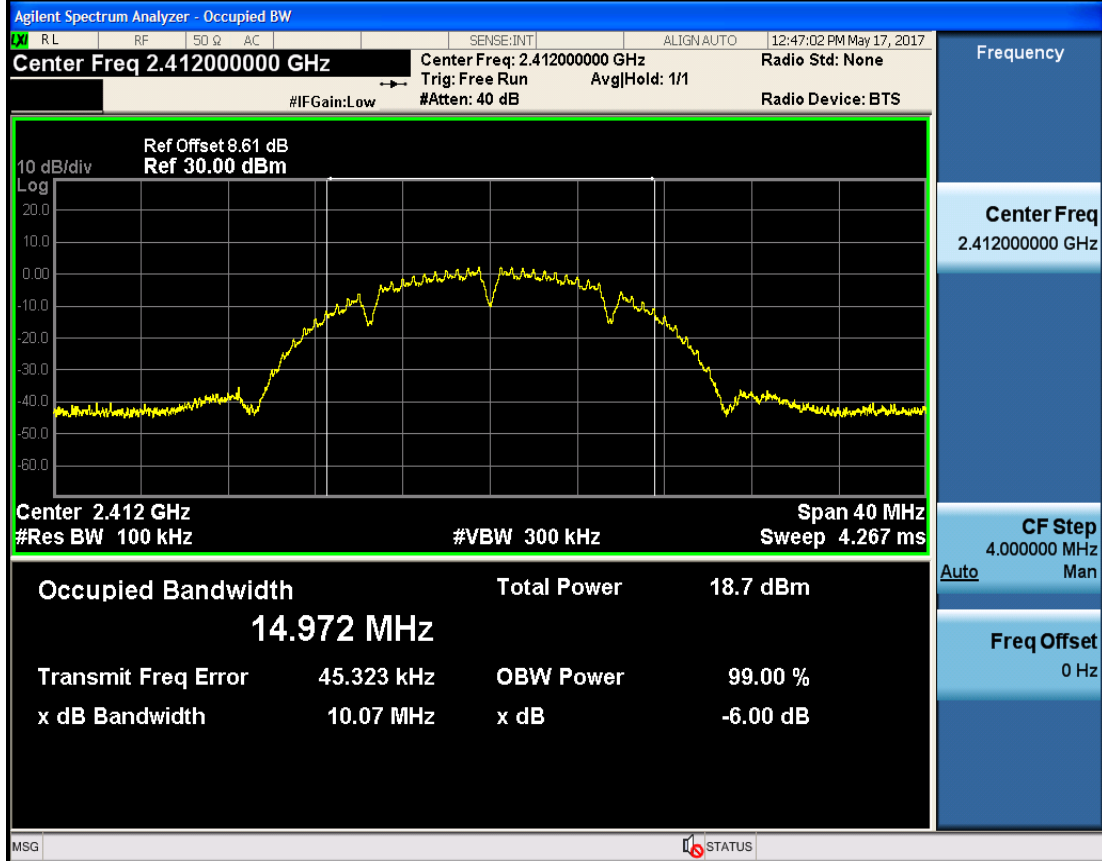

Appendix A for SHEM170300167701

1.6dB Bandwidth

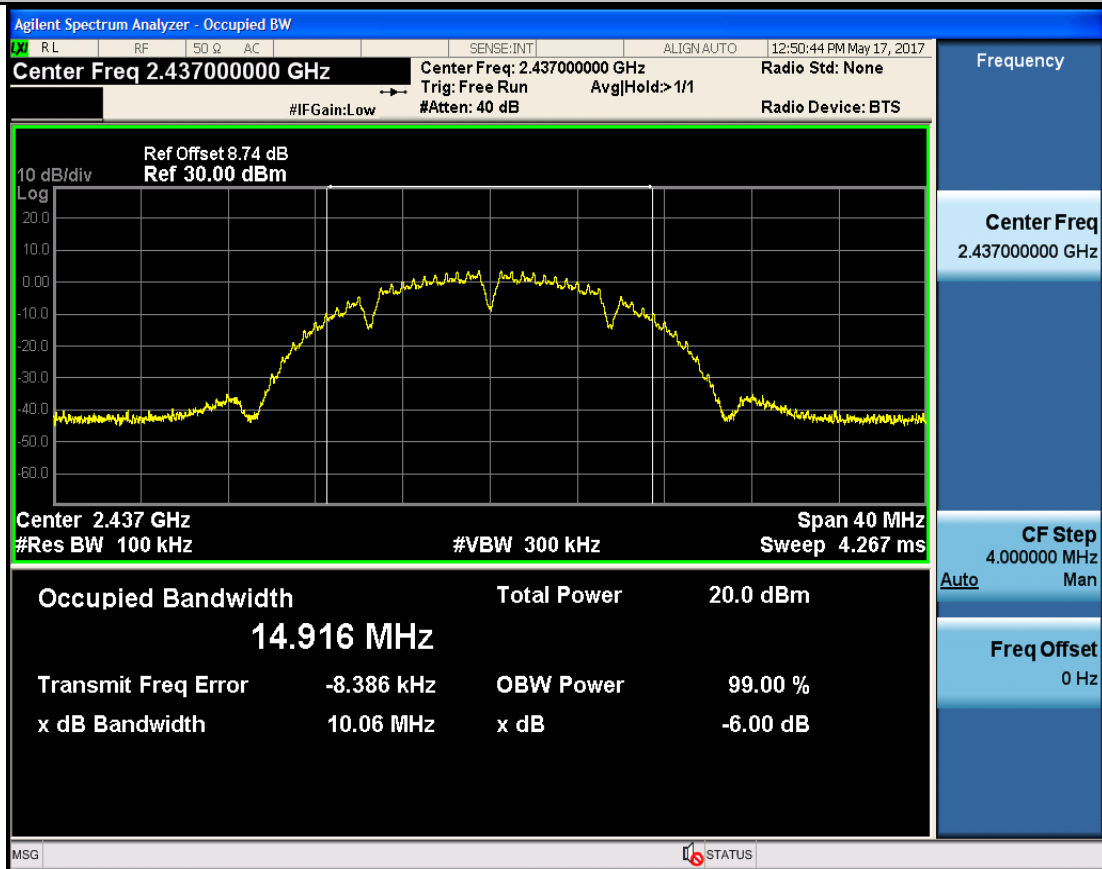
Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	10.07	0.5	PASS
11B	2437	Ant1	10.06	0.5	PASS
11B	2462	Ant1	10.07	0.5	PASS
11G	2412	Ant1	16.52	0.5	PASS
11G	2437	Ant1	16.53	0.5	PASS
11G	2462	Ant1	16.52	0.5	PASS
11N20SISO	2412	Ant1	17.79	0.5	PASS
11N20SISO	2437	Ant1	17.77	0.5	PASS
11N20SISO	2462	Ant1	17.80	0.5	PASS
11N40SISO	2422	Ant1	36.09	0.5	PASS
11N40SISO	2437	Ant1	36.35	0.5	PASS
11N40SISO	2452	Ant1	36.37	0.5	PASS

TEST PLOT

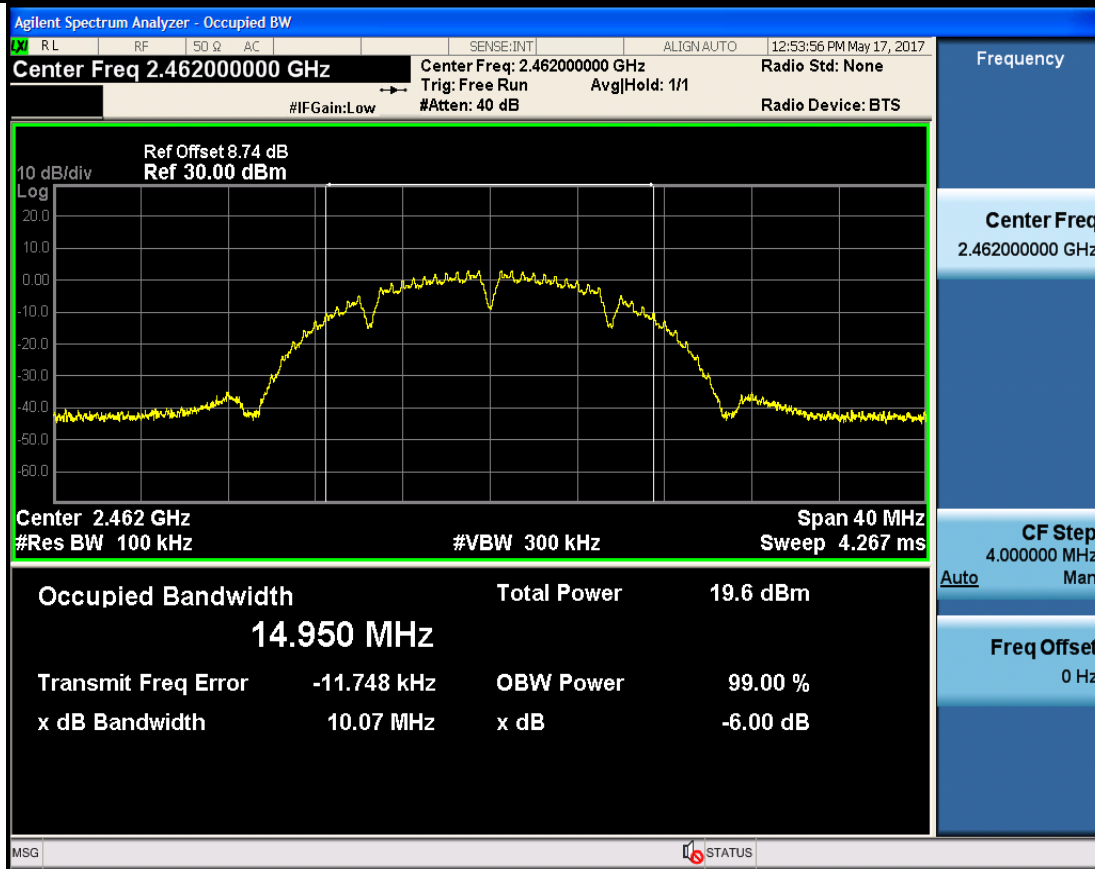
6dB Bandwidth_11B_2412_Ant1



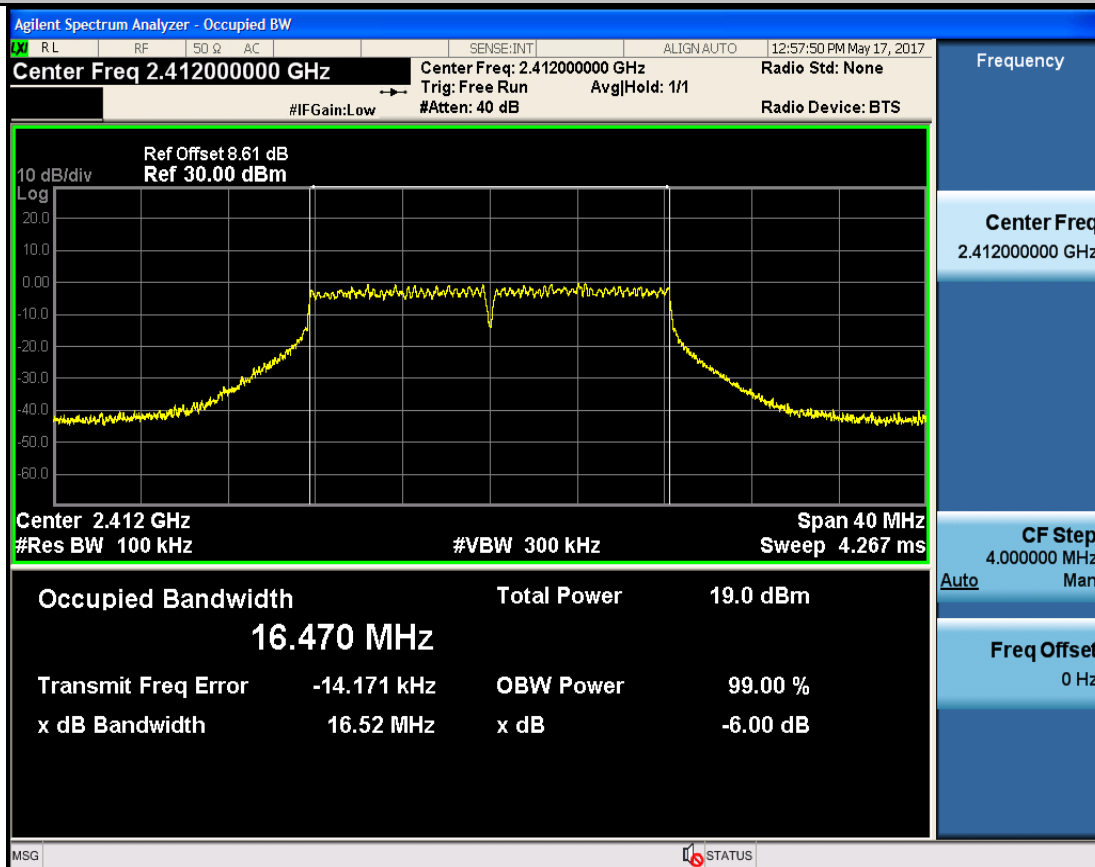
6dB Bandwidth_11B_2437_Ant1



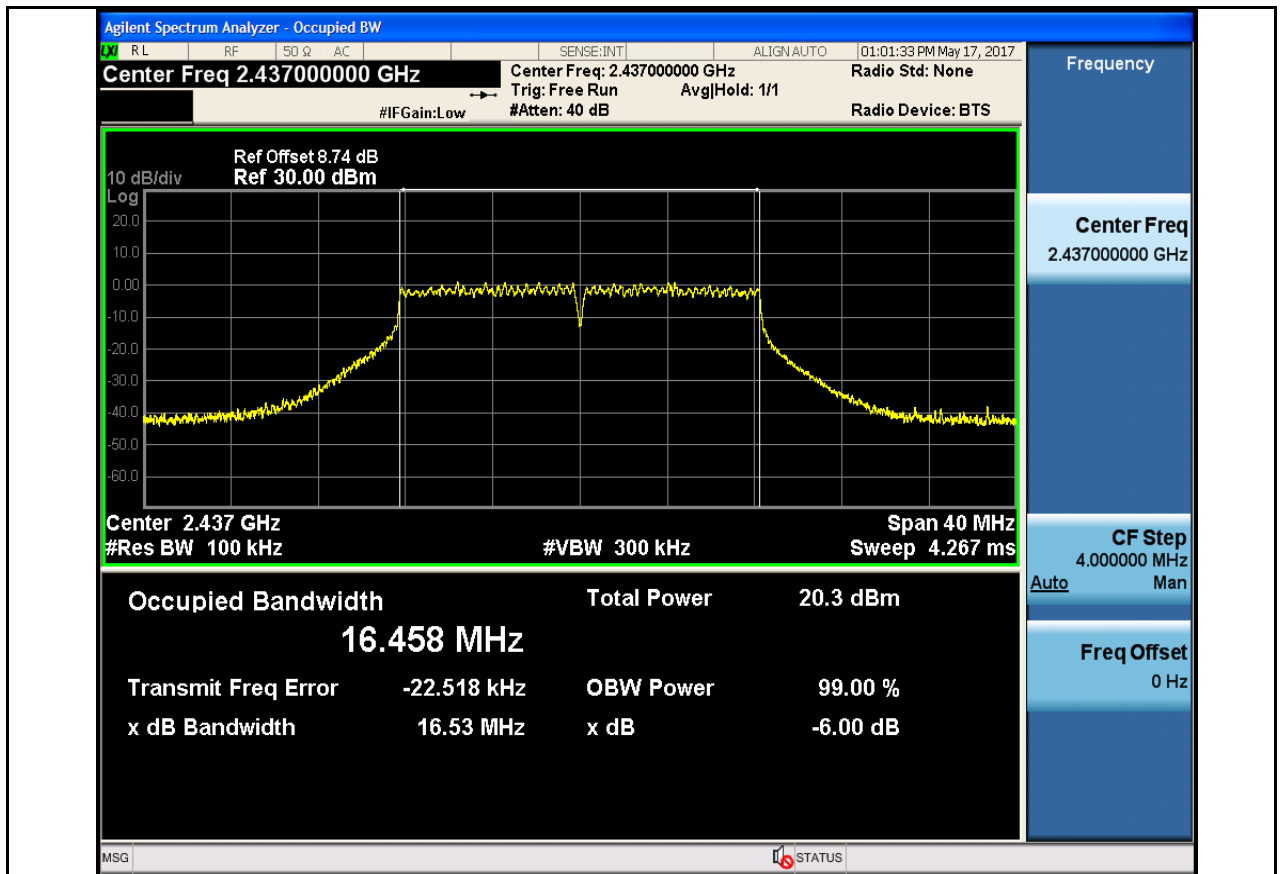
6dB Bandwidth_11B_2462_Ant1



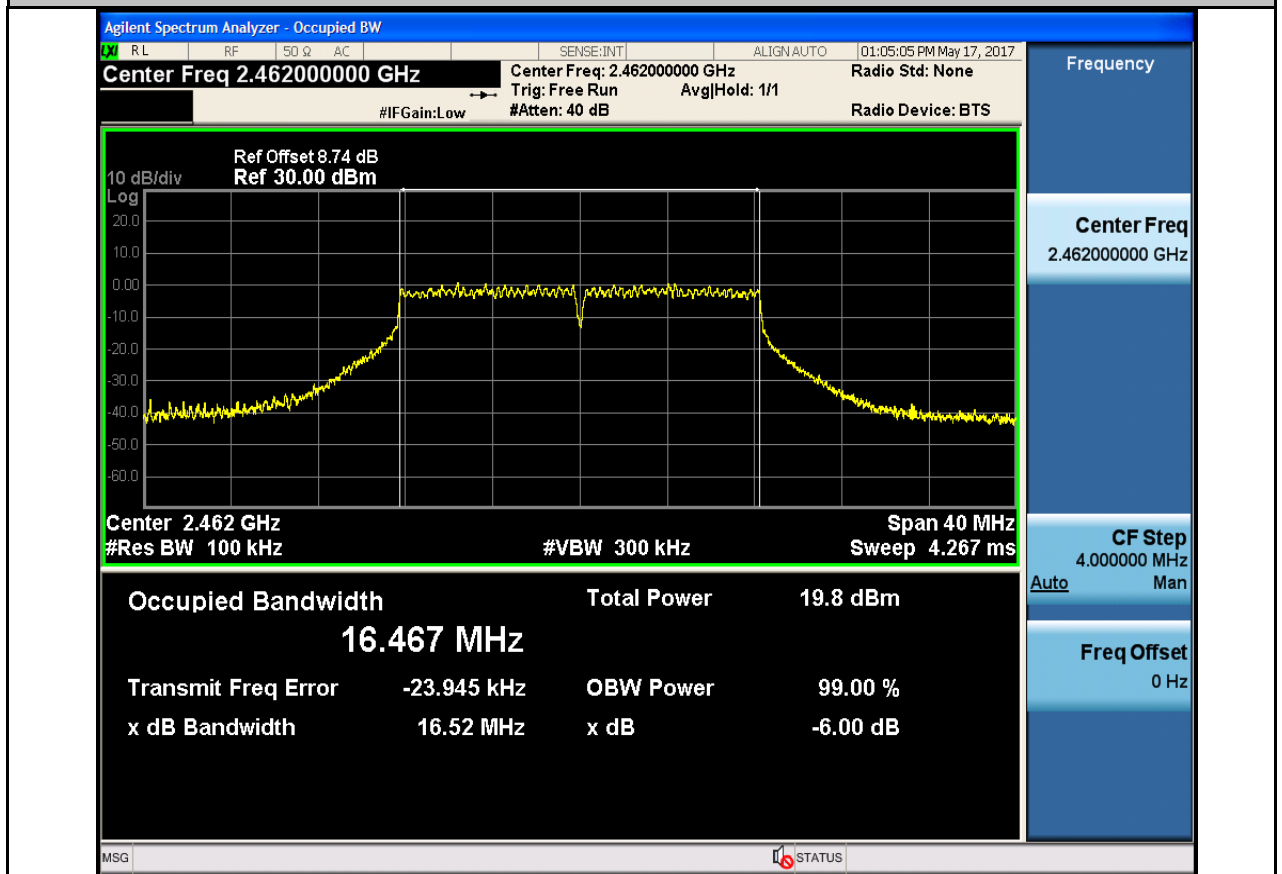
6dB Bandwidth_11G_2412_Ant1



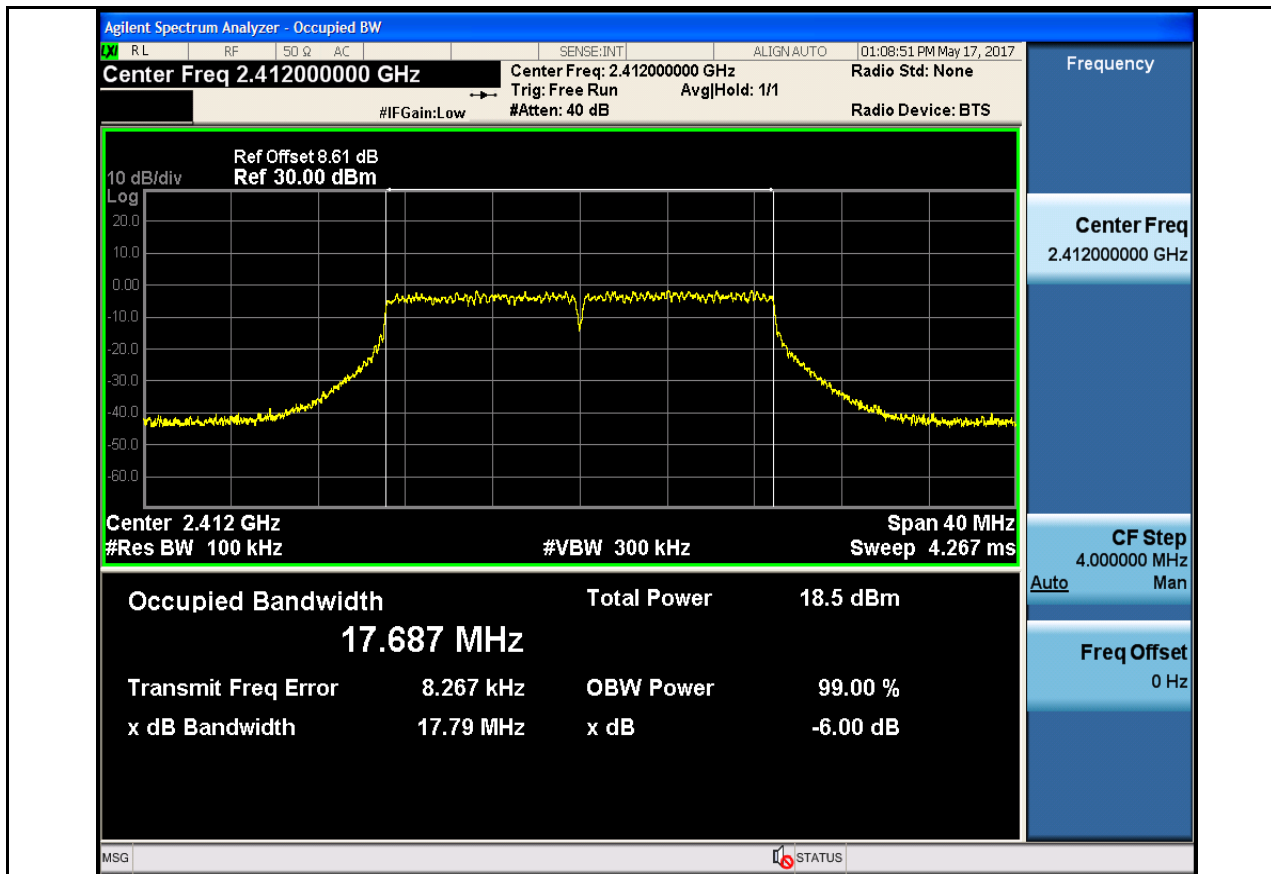
6dB Bandwidth_11G_2437_Ant1



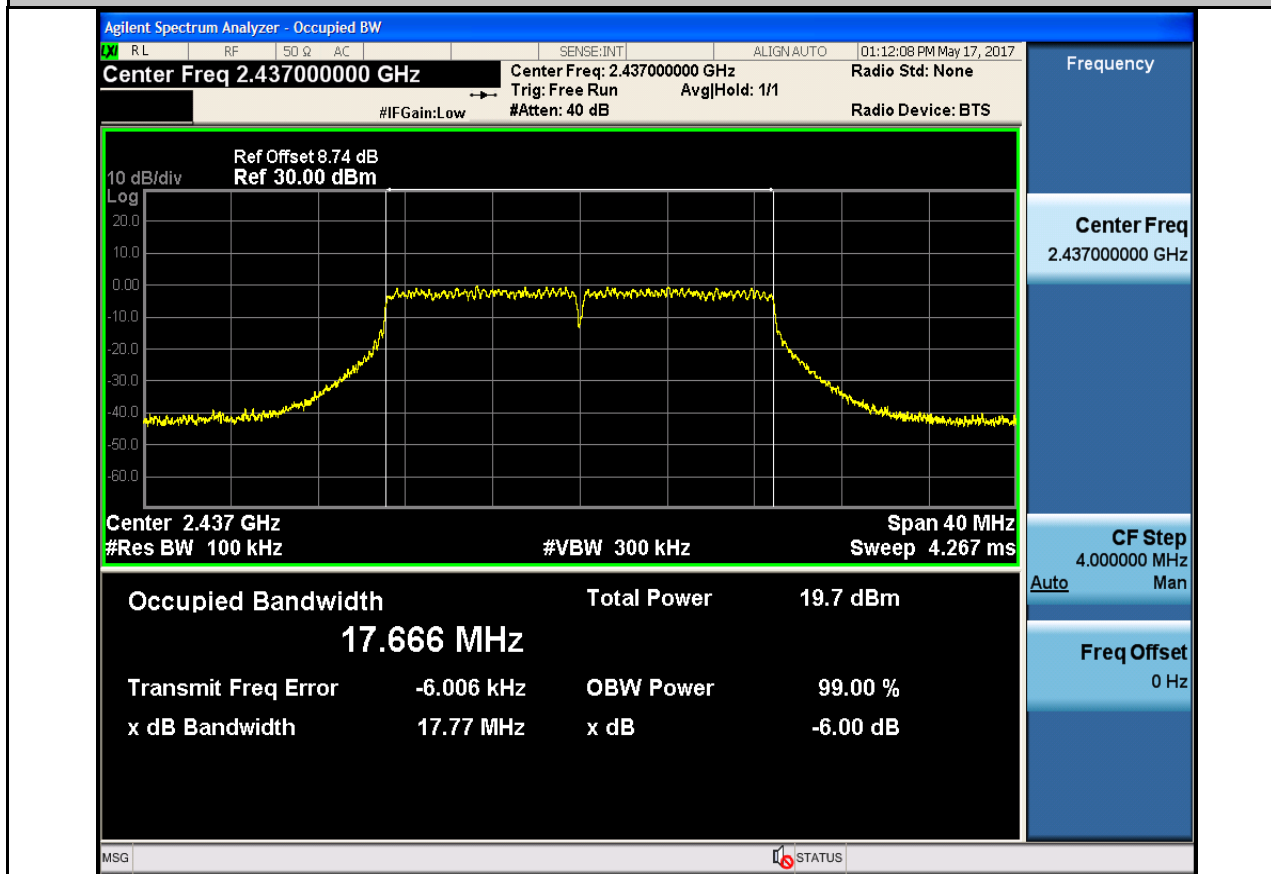
6dB Bandwidth_11G_2462_Ant1



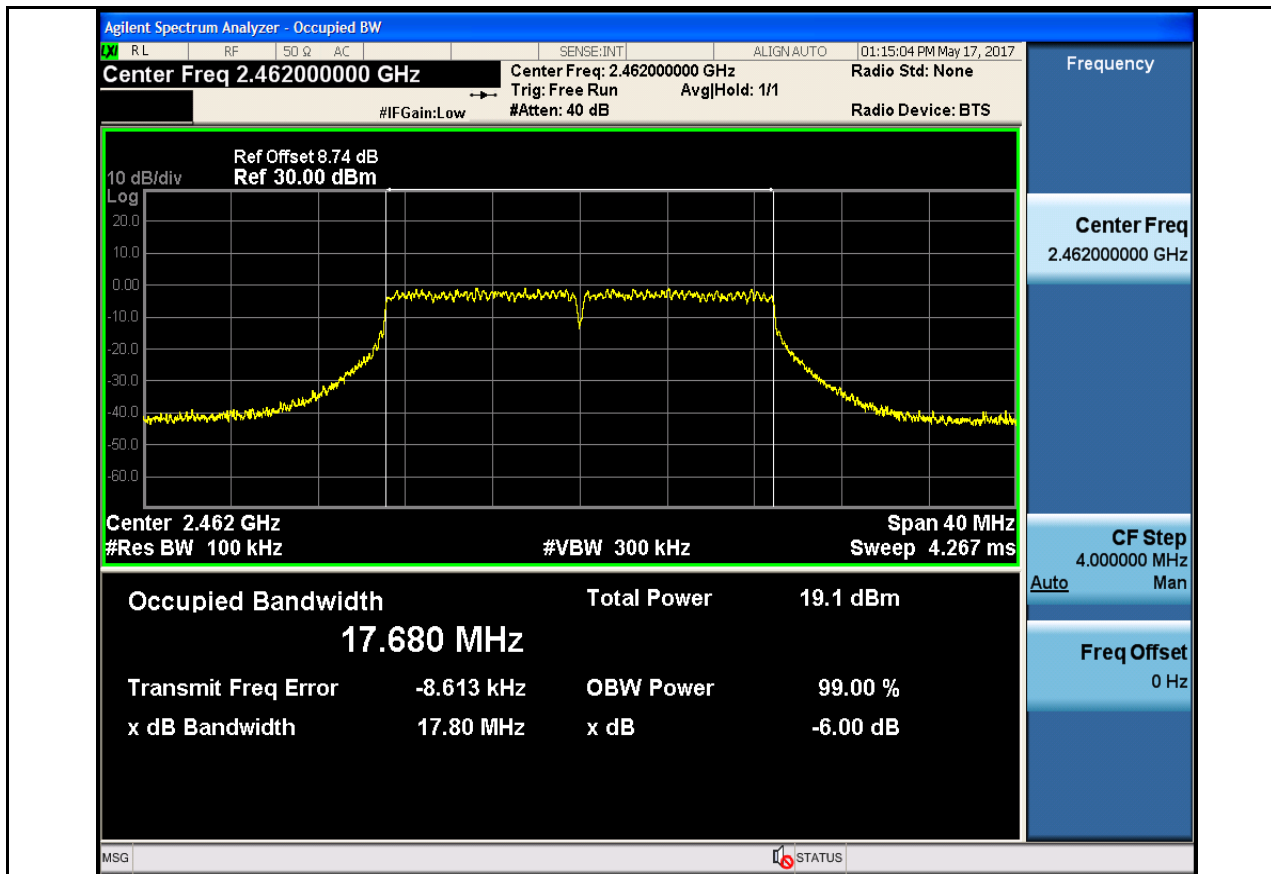
6dB Bandwidth_11N20SISO_2412_Ant1



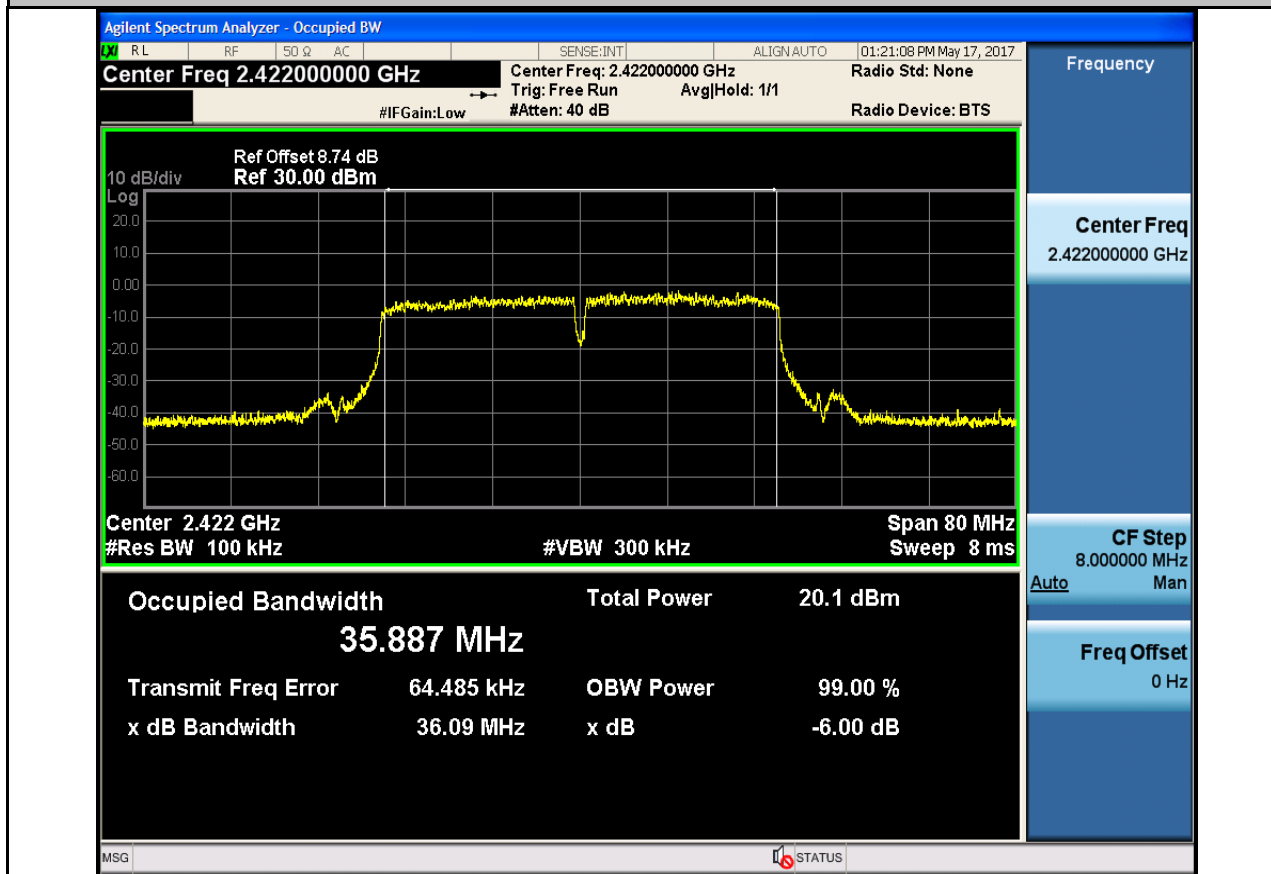
6dB Bandwidth_11N20SISO_2437_Ant1



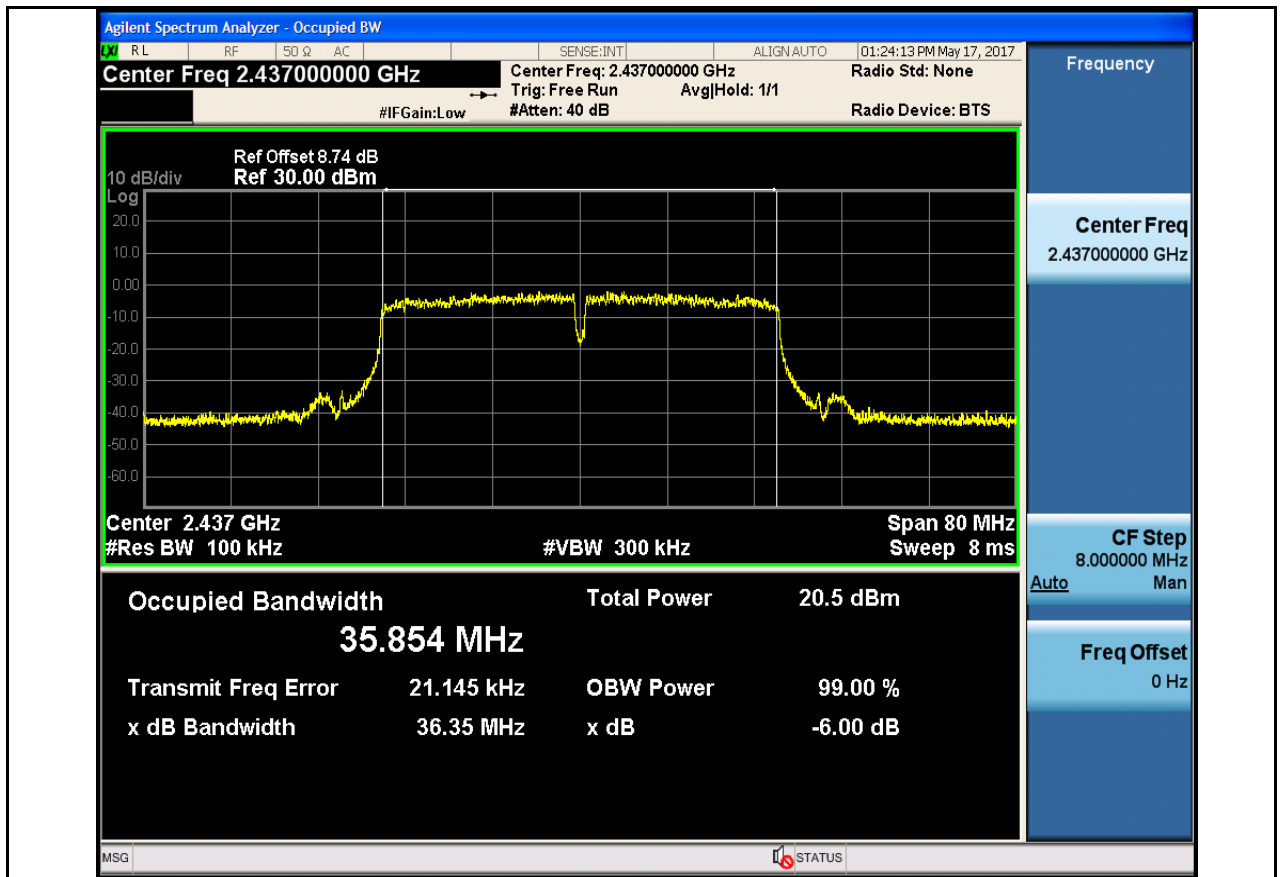
6dB Bandwidth_11N20SISO_2462_Ant1



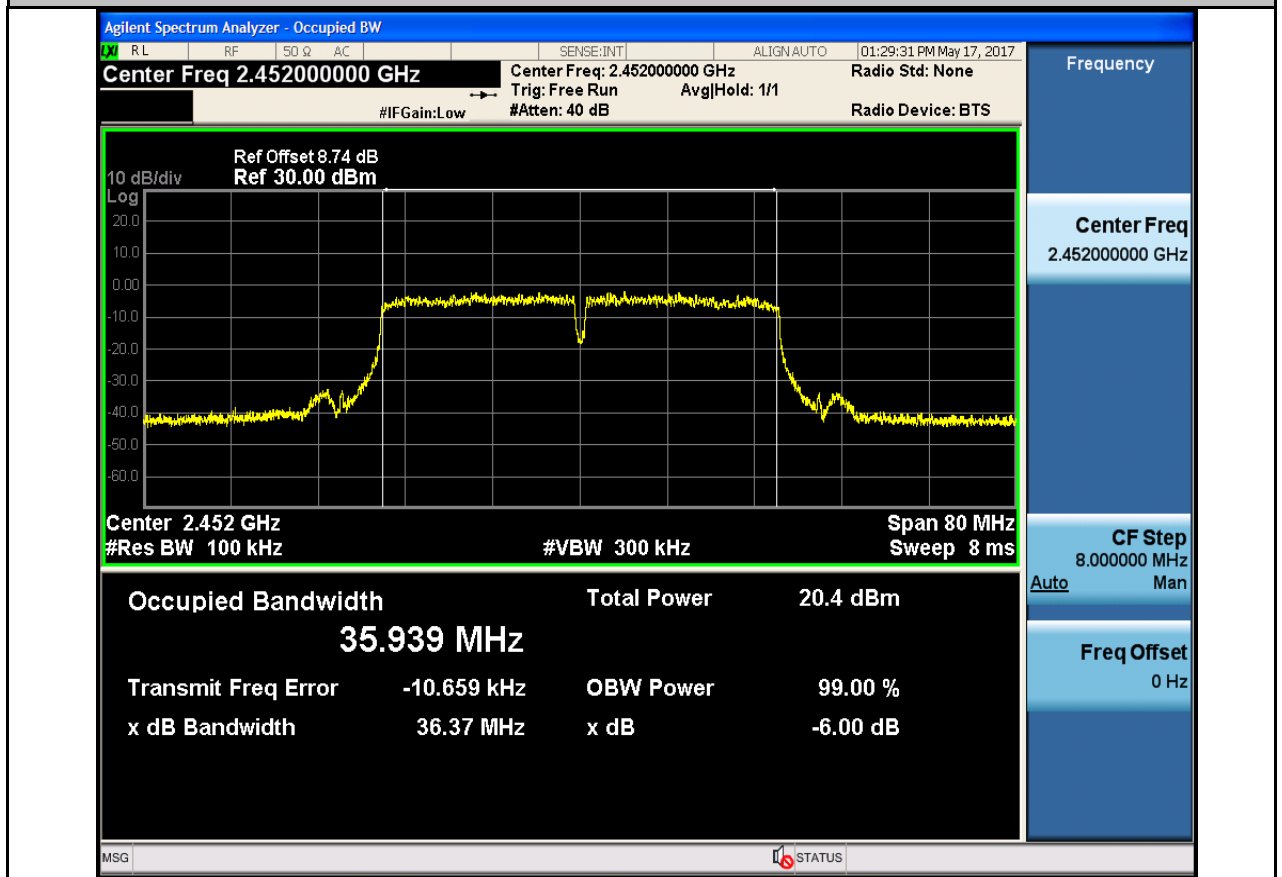
6dB Bandwidth_11N40SISO_2422_Ant1



6dB Bandwidth_11N40SISO_2437_Ant1



6dB Bandwidth_11N40SISO_2452_Ant1

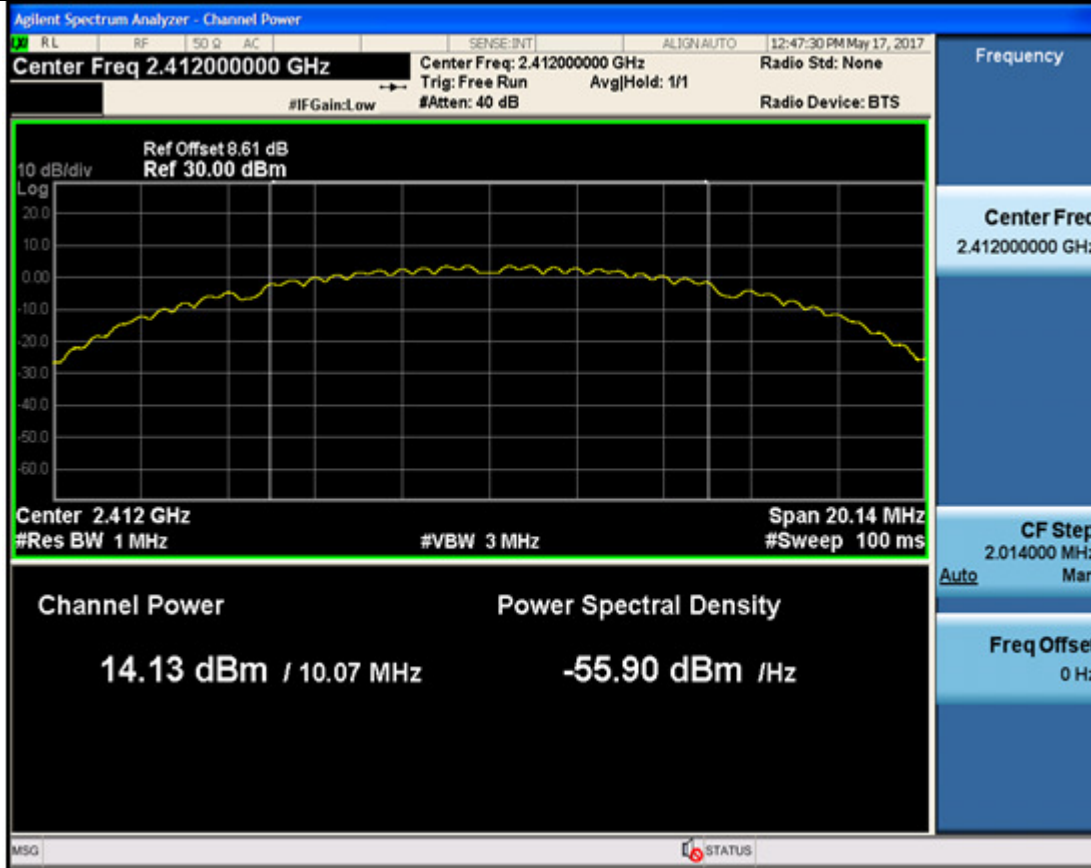


2. Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
11B	2412	Ant1	14.13	30	PASS
11B	2437	Ant1	15.49	30	PASS
11B	2462	Ant1	15.02	30	PASS
11G	2412	Ant1	19.63	30	PASS
11G	2437	Ant1	20.93	30	PASS
11G	2462	Ant1	20.5	30	PASS
11N20SISO	2412	Ant1	19.15	30	PASS
11N20SISO	2437	Ant1	20.37	30	PASS
11N20SISO	2462	Ant1	19.84	30	PASS
11N40SISO	2422	Ant1	21.01	30	PASS
11N40SISO	2437	Ant1	21.43	30	PASS
11N40SISO	2452	Ant1	21.3	30	PASS

TEST PLOT

Maximum peak conducted output power_11B_2412_Ant1



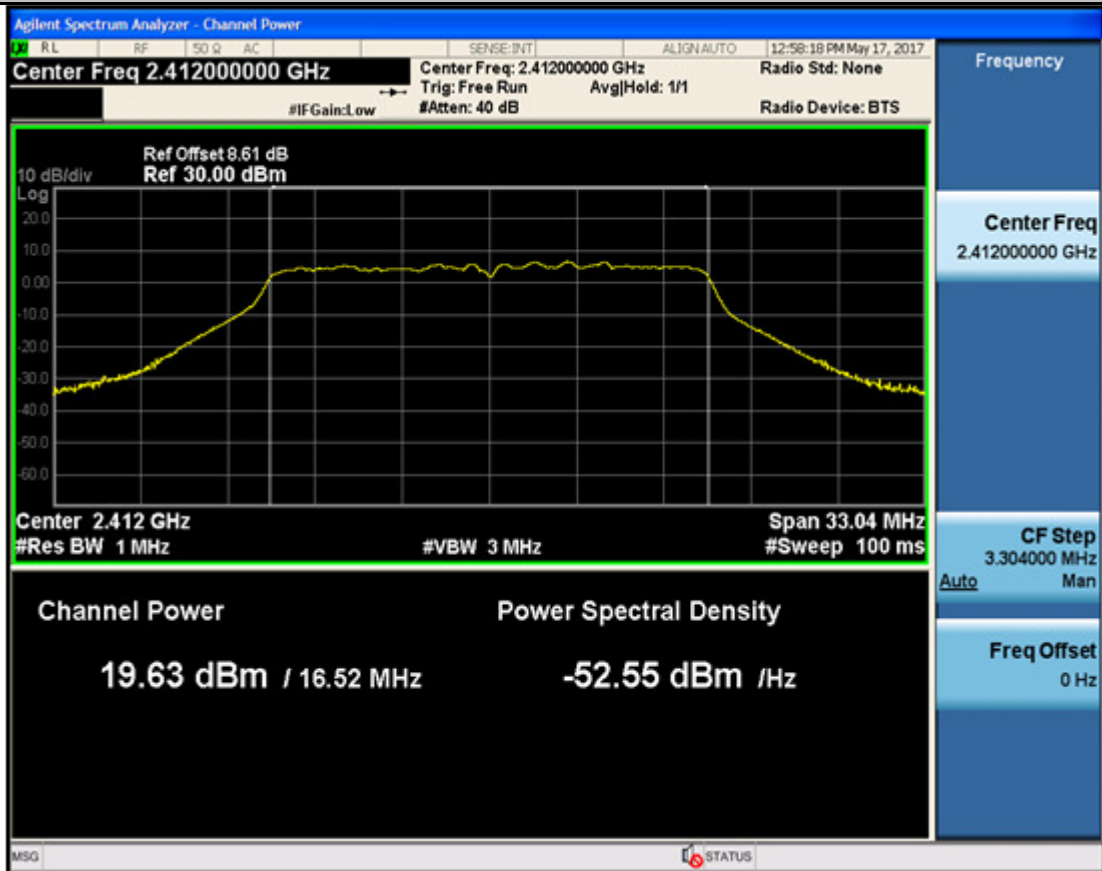
Maximum peak conducted output power_11B_2437_Ant1



Maximum peak conducted output power_11B_2462_Ant1



Maximum peak conducted output power_11G_2412_Ant1



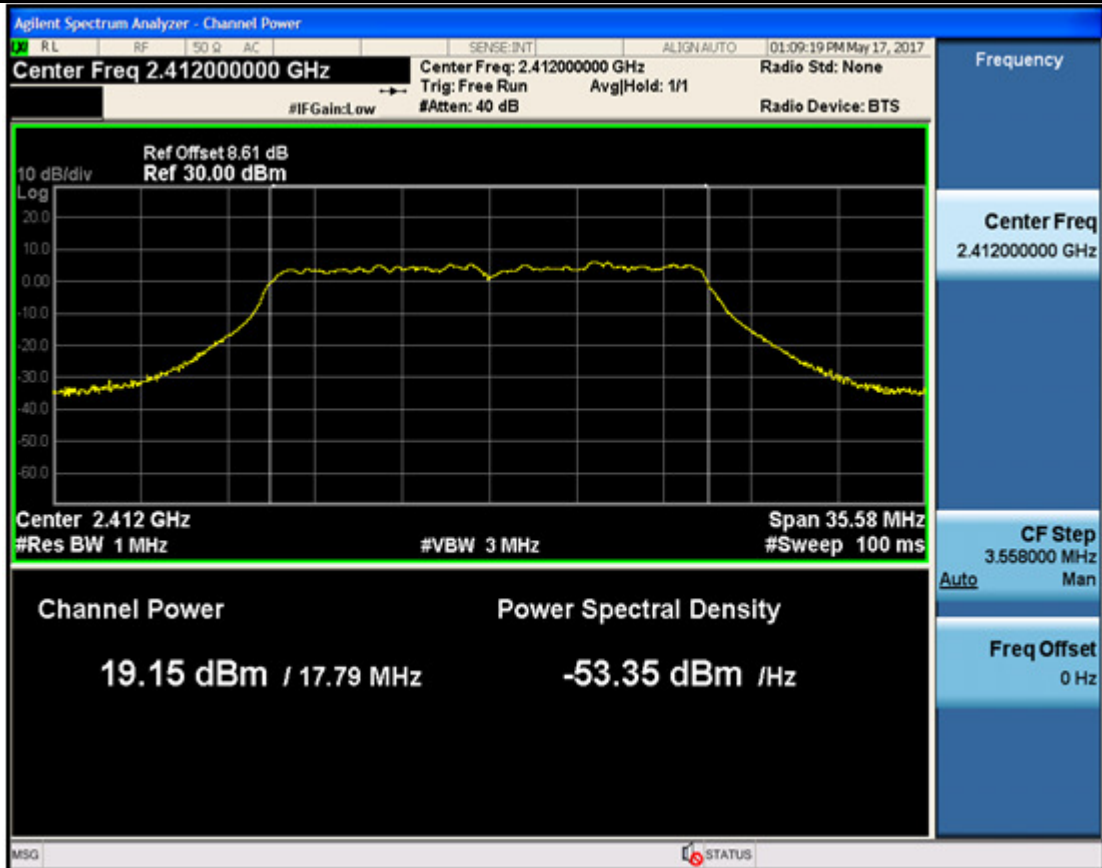
Maximum peak conducted output power_11G_2437_Ant1



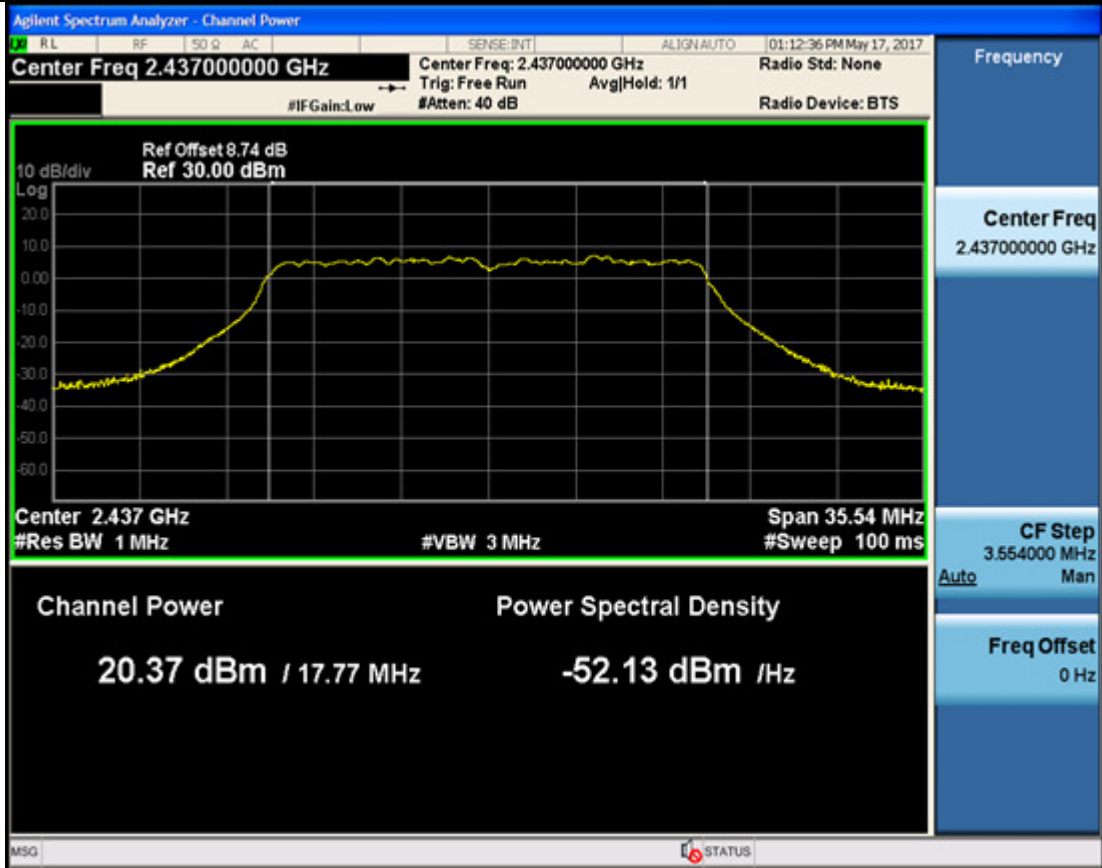
Maximum peak conducted output power_11G_2462_Ant1



Maximum peak conducted output power_11N20SISO_2412_Ant1



Maximum peak conducted output power_11N20SISO_2437_Ant1



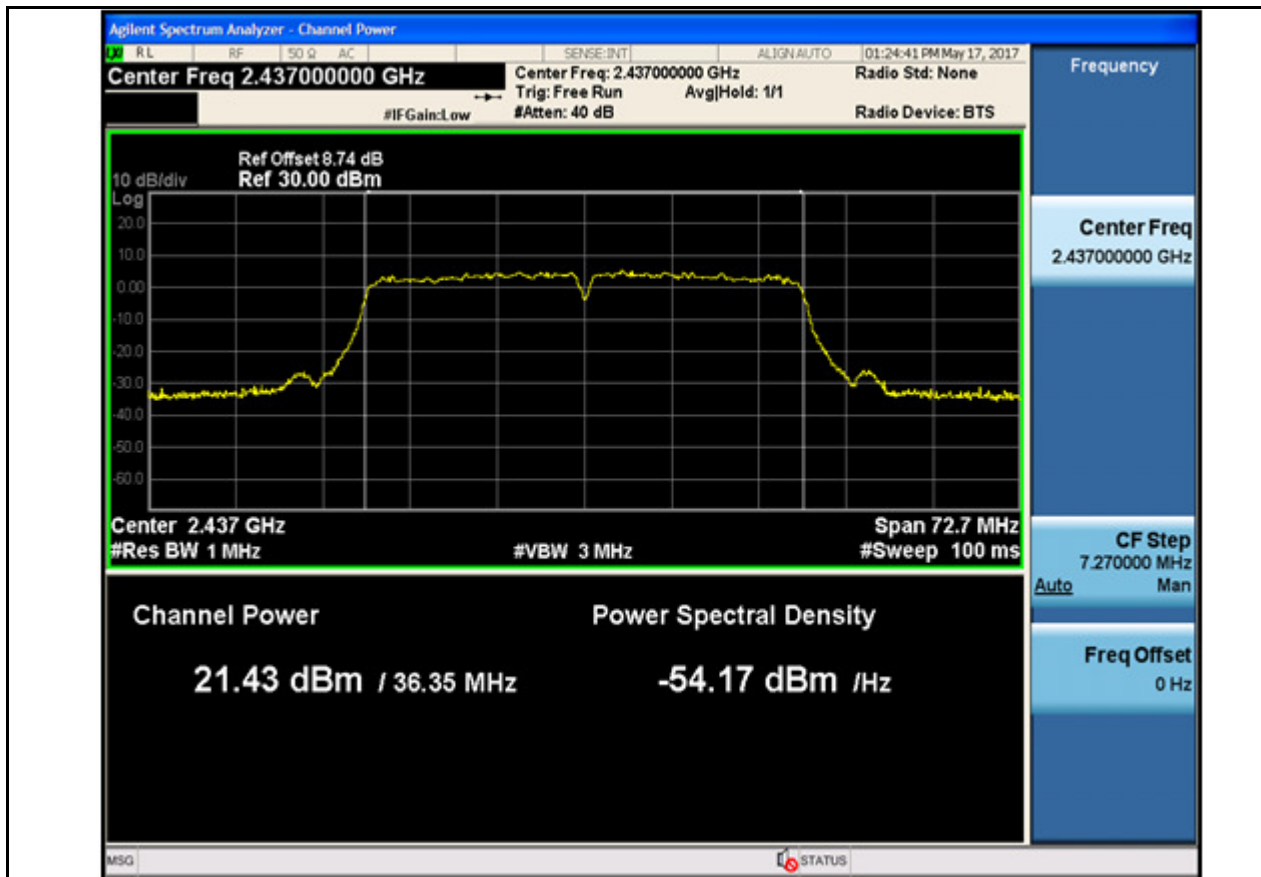
Maximum peak conducted output power_11N20SISO_2462_Ant1



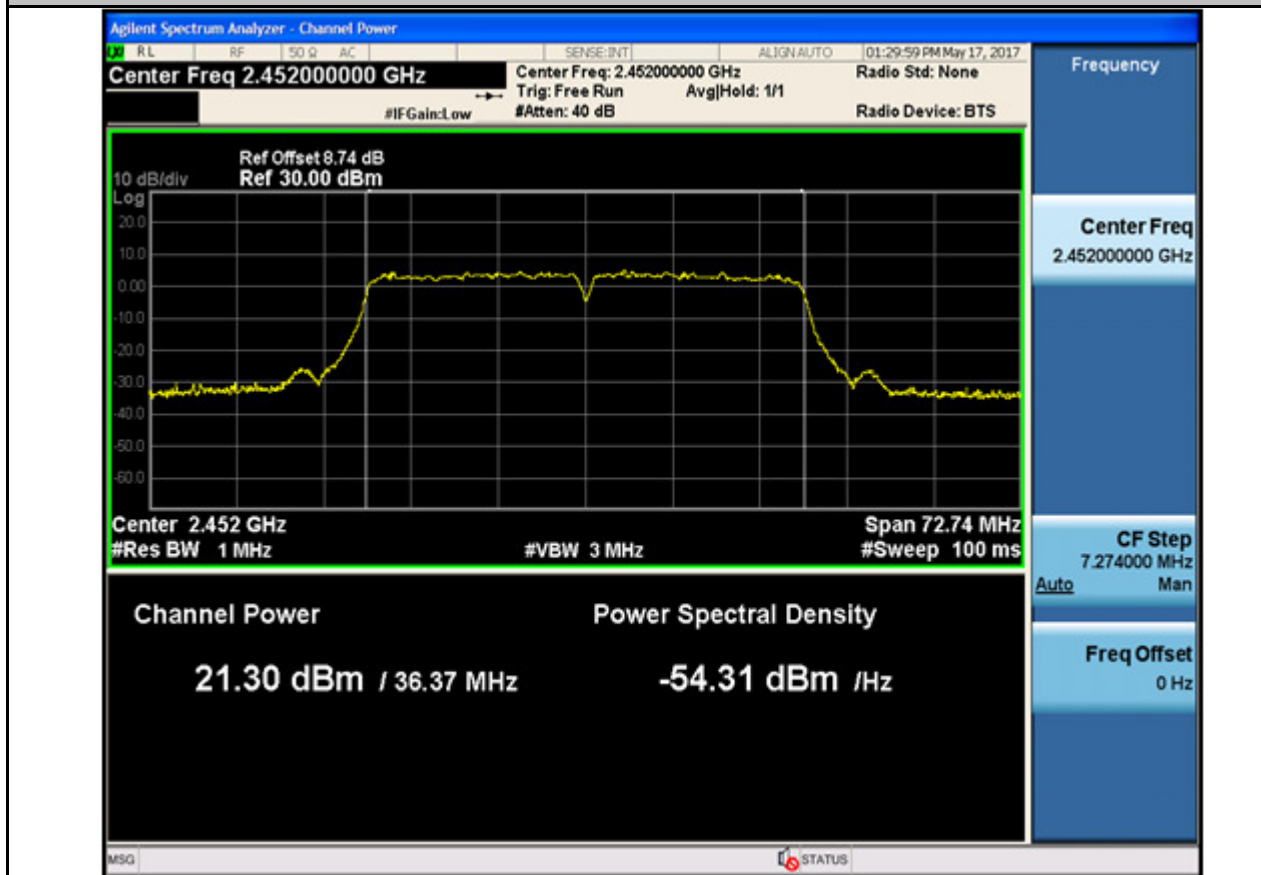
Maximum peak conducted output power_11N40SISO_2422_Ant1



Maximum peak conducted output power_11N40SISO_2437_Ant1



Maximum peak conducted output power_11N40SISO_2452_Ant1

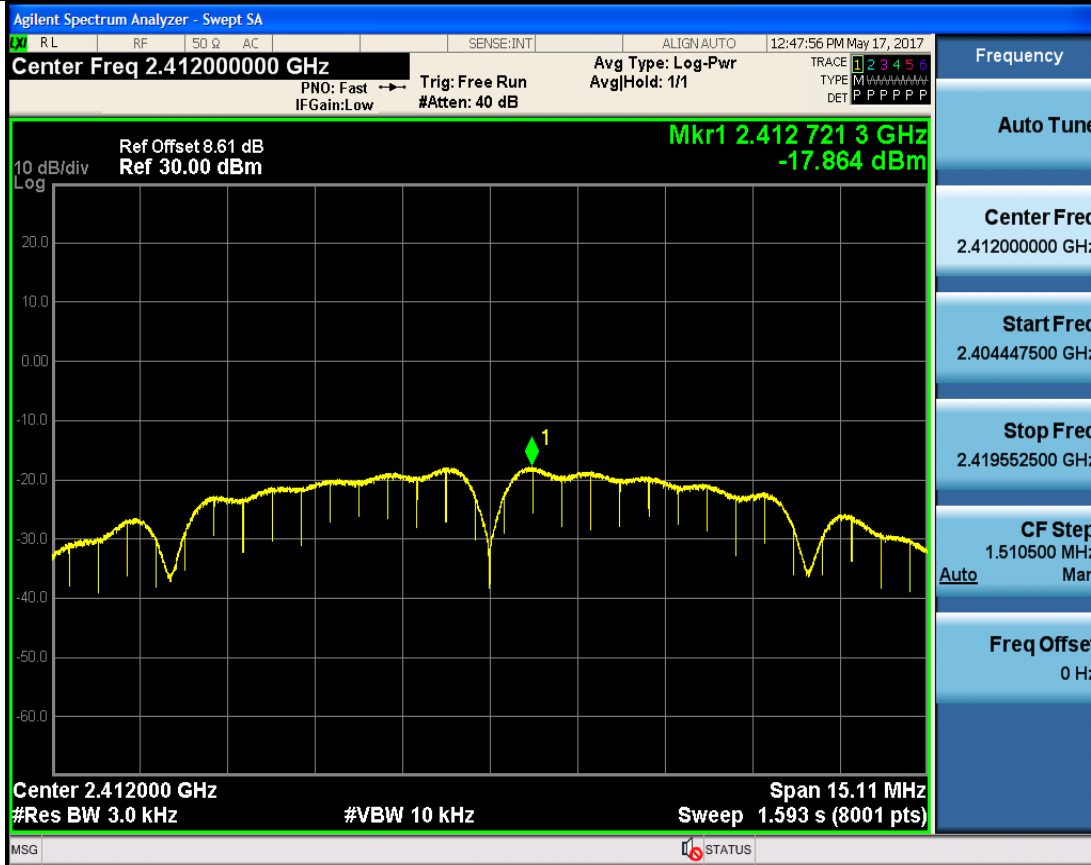


3.Maximum Peak power spectral density

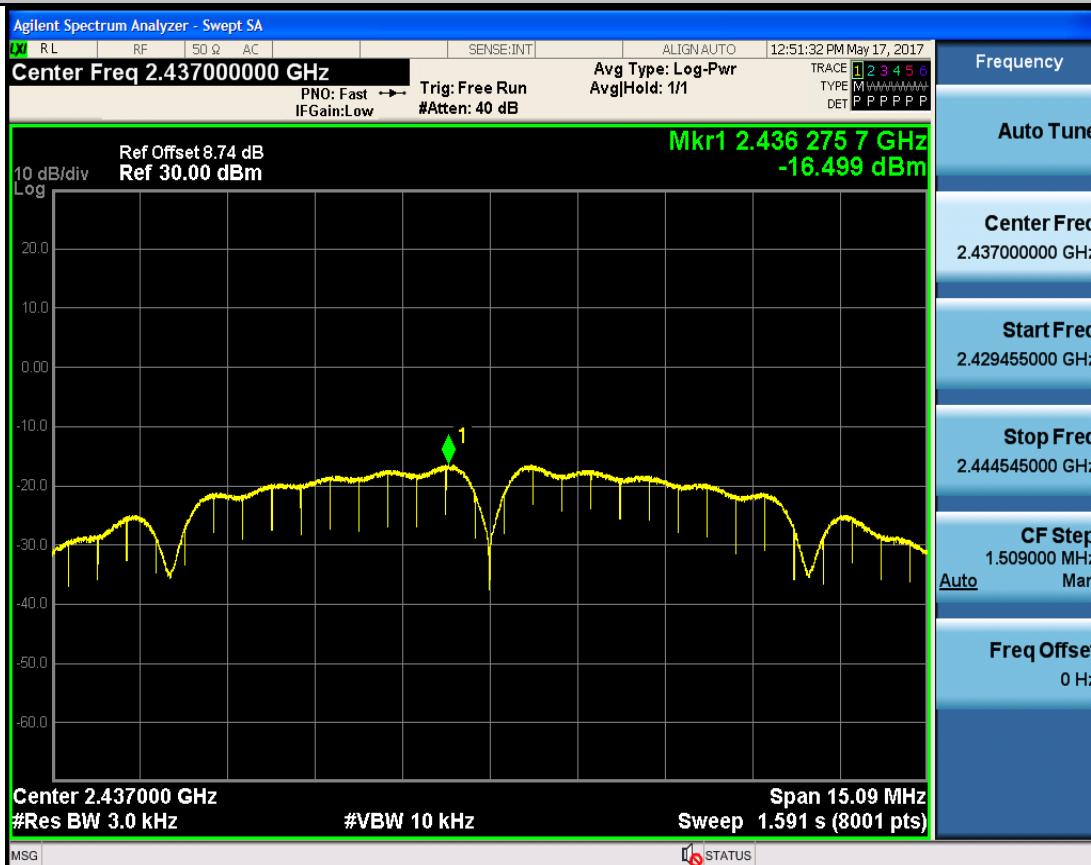
Test Mode	Test Channel	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
11B	2412	Ant1	-17.864	8.00	PASS
11B	2437	Ant1	-16.499	8.00	PASS
11B	2462	Ant1	-16.974	8.00	PASS
11G	2412	Ant1	-14.231	8.00	PASS
11G	2437	Ant1	-13.103	8.00	PASS
11G	2462	Ant1	-13.623	8.00	PASS
11N20SISO	2412	Ant1	-15.163	8.00	PASS
11N20SISO	2437	Ant1	-14.198	8.00	PASS
11N20SISO	2462	Ant1	-14.7	8.00	PASS
11N40SISO	2422	Ant1	-15.258	8.00	PASS
11N40SISO	2437	Ant1	-14.573	8.00	PASS
11N40SISO	2452	Ant1	-15.457	8.00	PASS

TEST PLOT

Maximum Peak power spectral density_11B_2412_Ant1



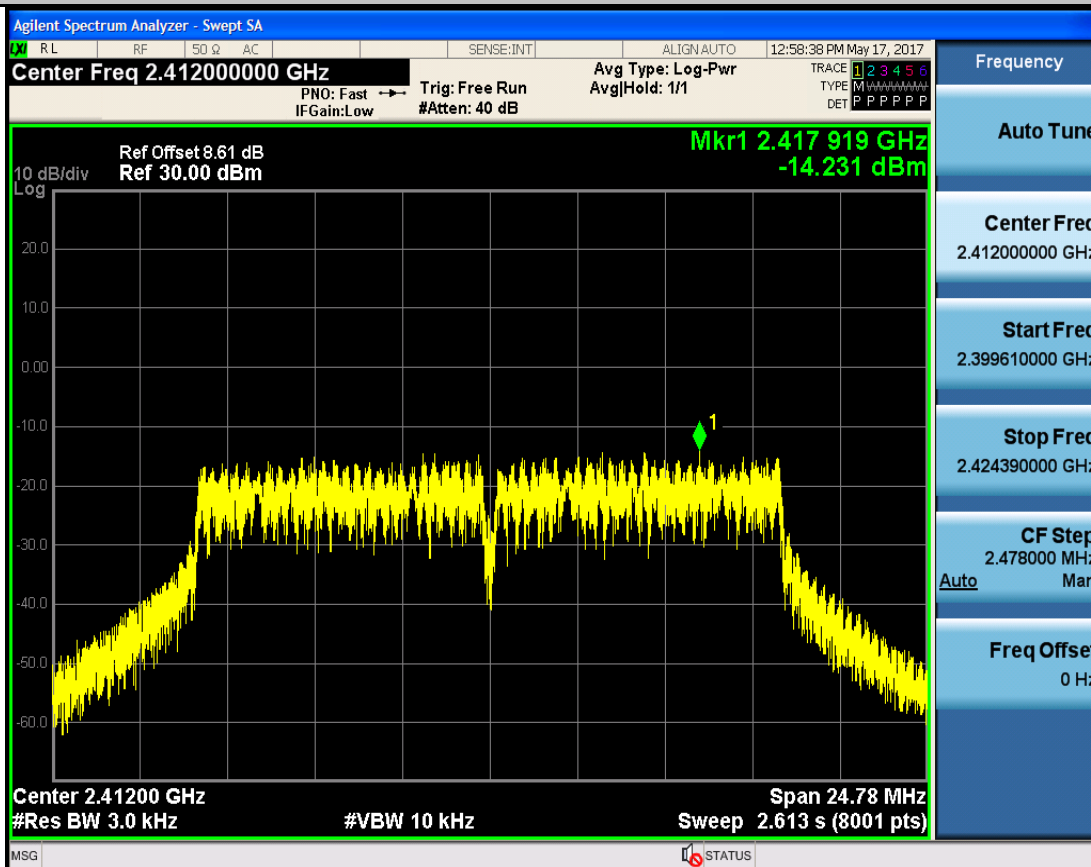
Maximum Peak power spectral density_11B_2437_Ant1



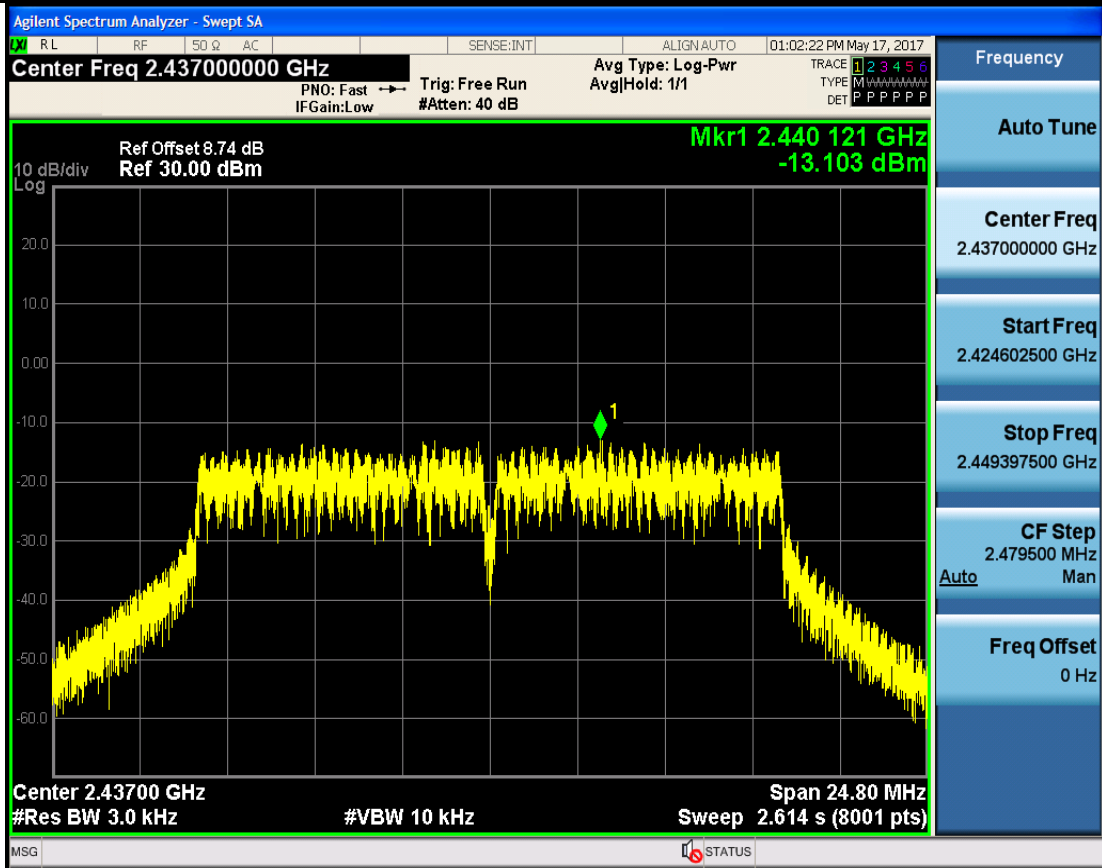
Maximum Peak power spectral density_11B_2462_Ant1



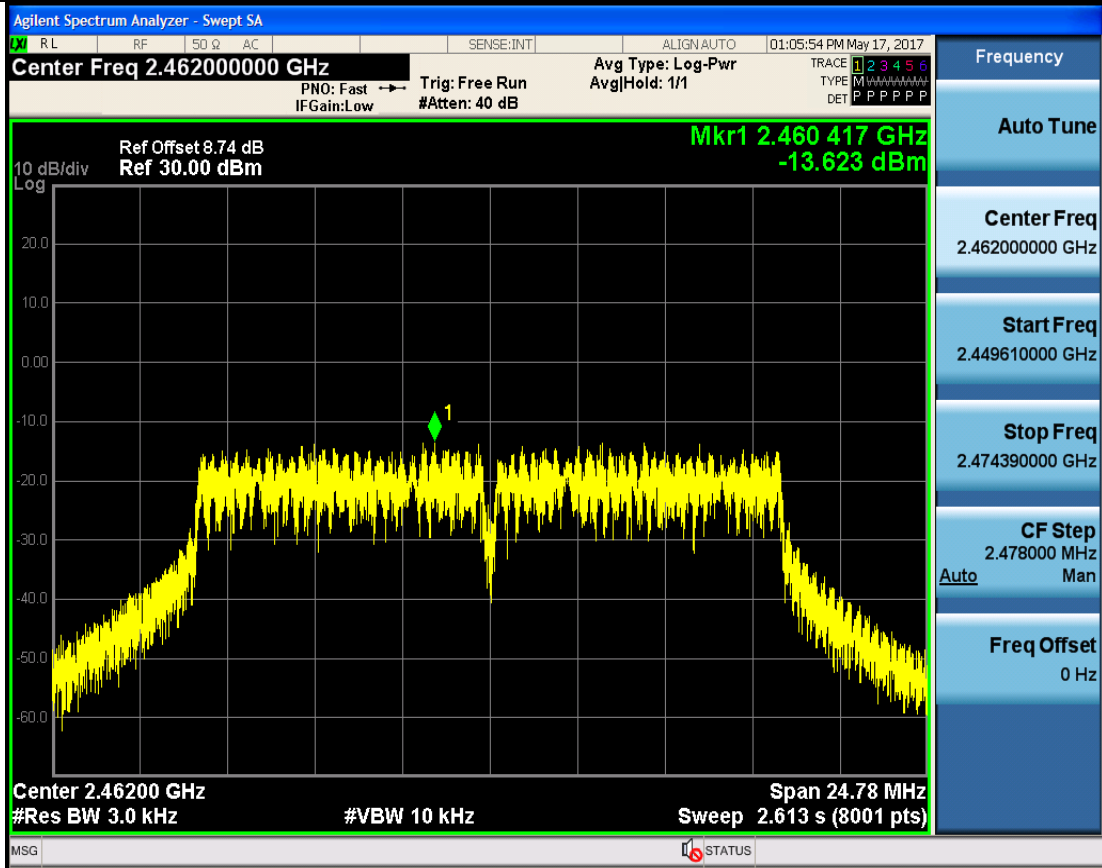
Maximum Peak power spectral density_11G_2412_Ant1



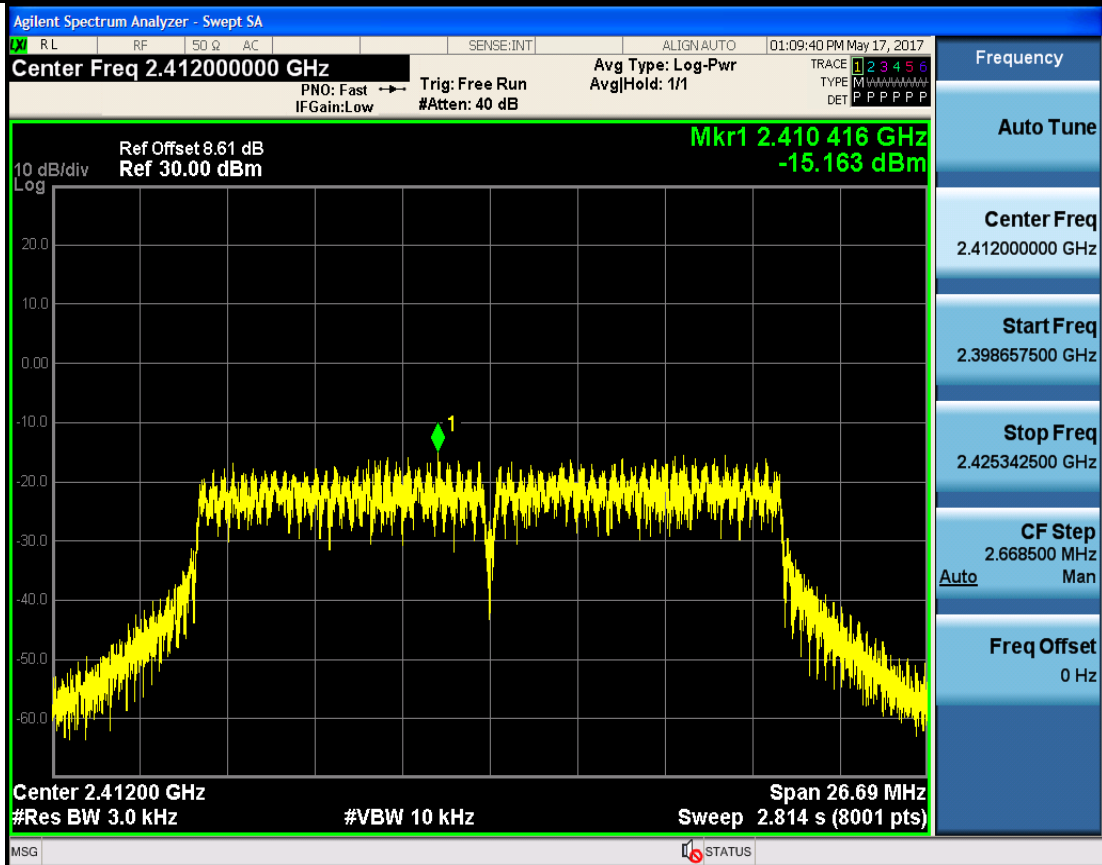
Maximum Peak power spectral density_11G_2437_Ant1



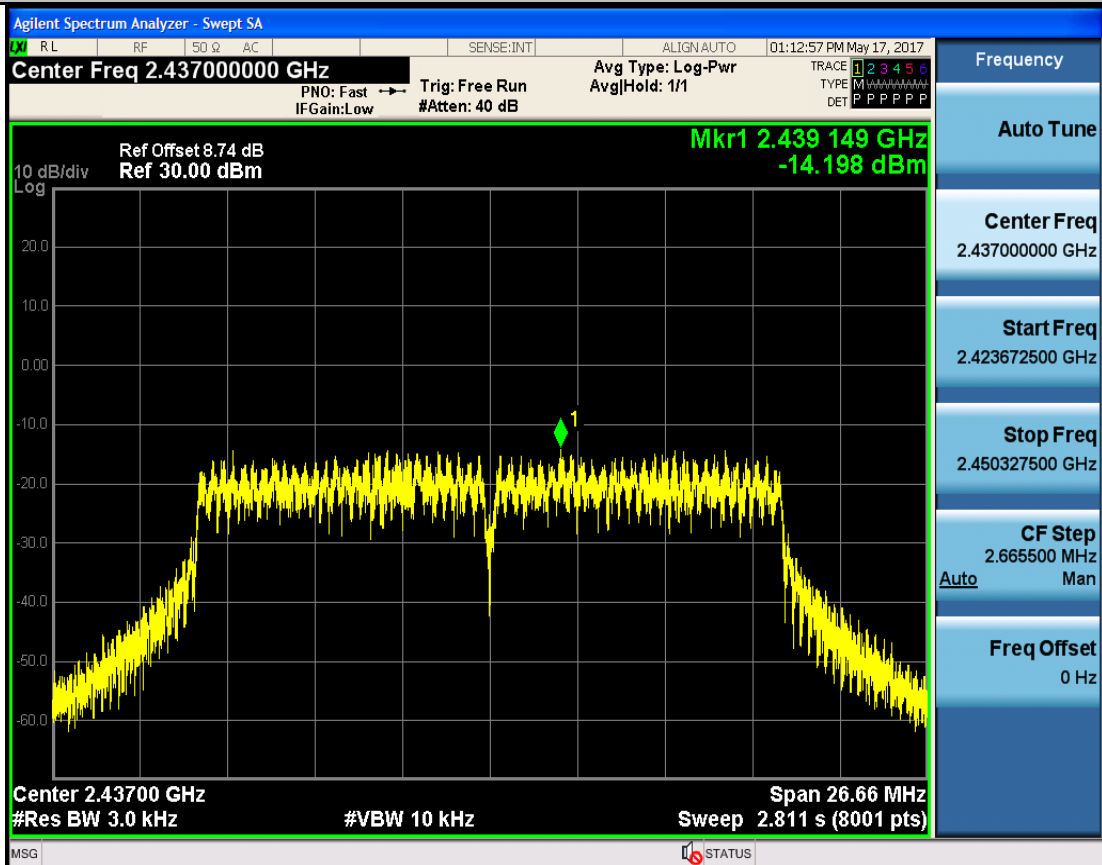
Maximum Peak power spectral density_11G_2462_Ant1



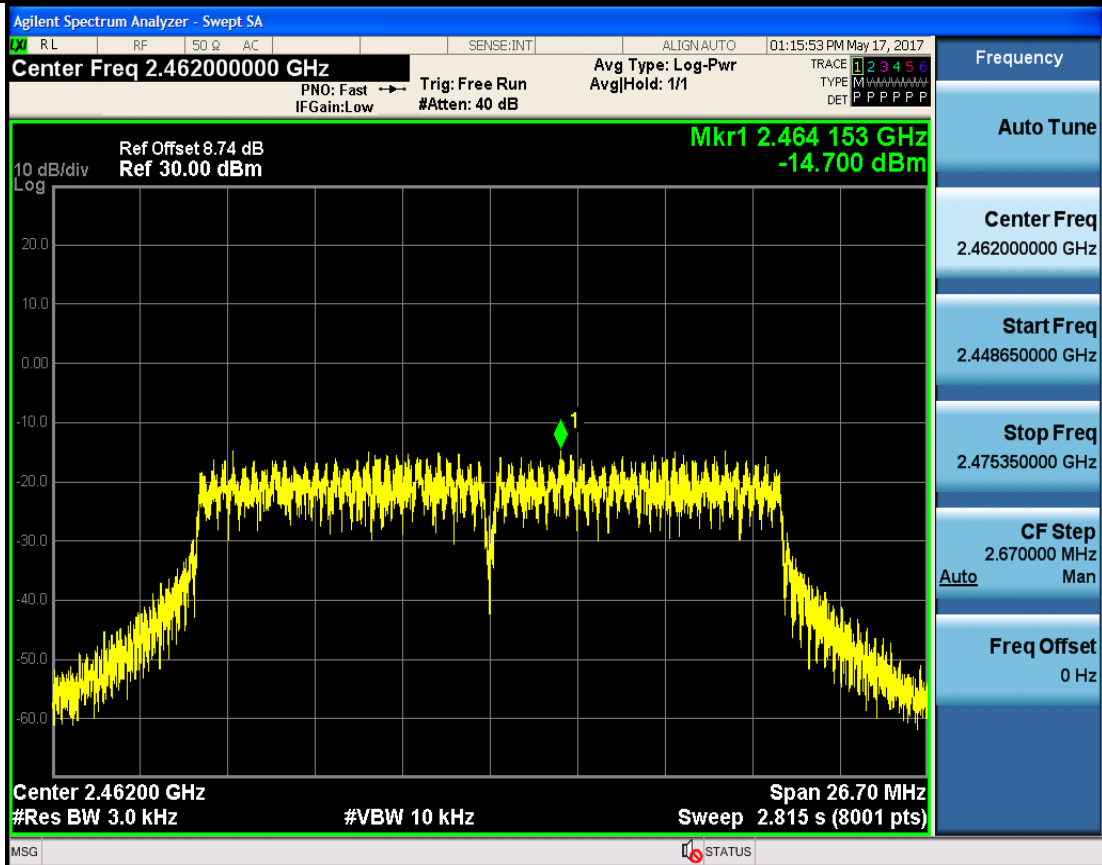
Maximum Peak power spectral density_11N20SISO_2412_Ant1



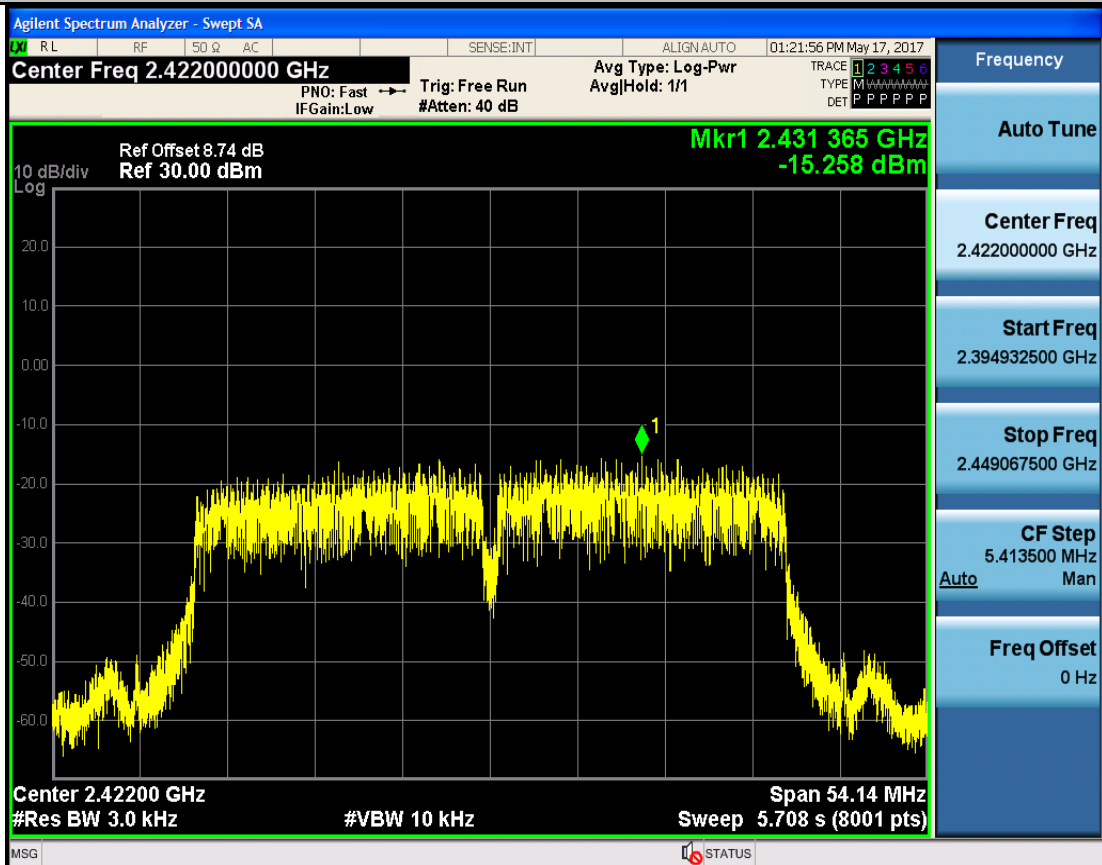
Maximum Peak power spectral density_11N20SISO_2437_Ant1



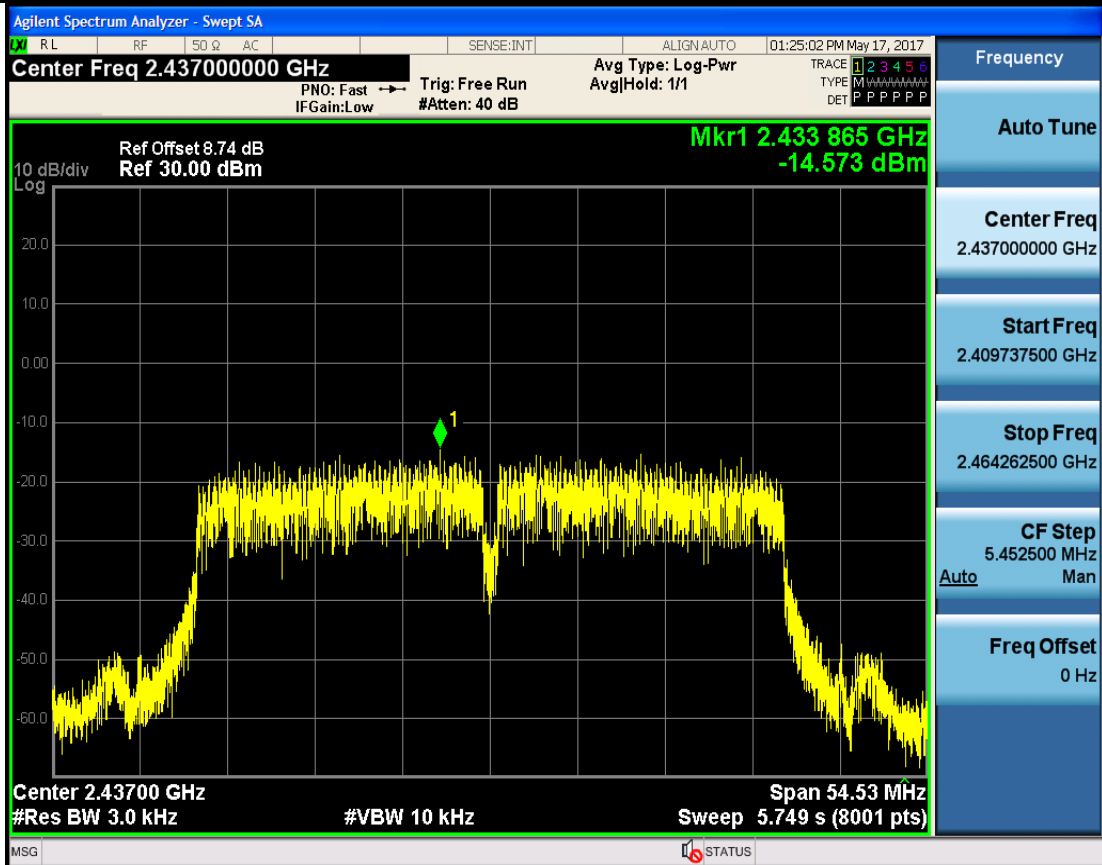
Maximum Peak power spectral density_11N20SISO_2462_Ant1



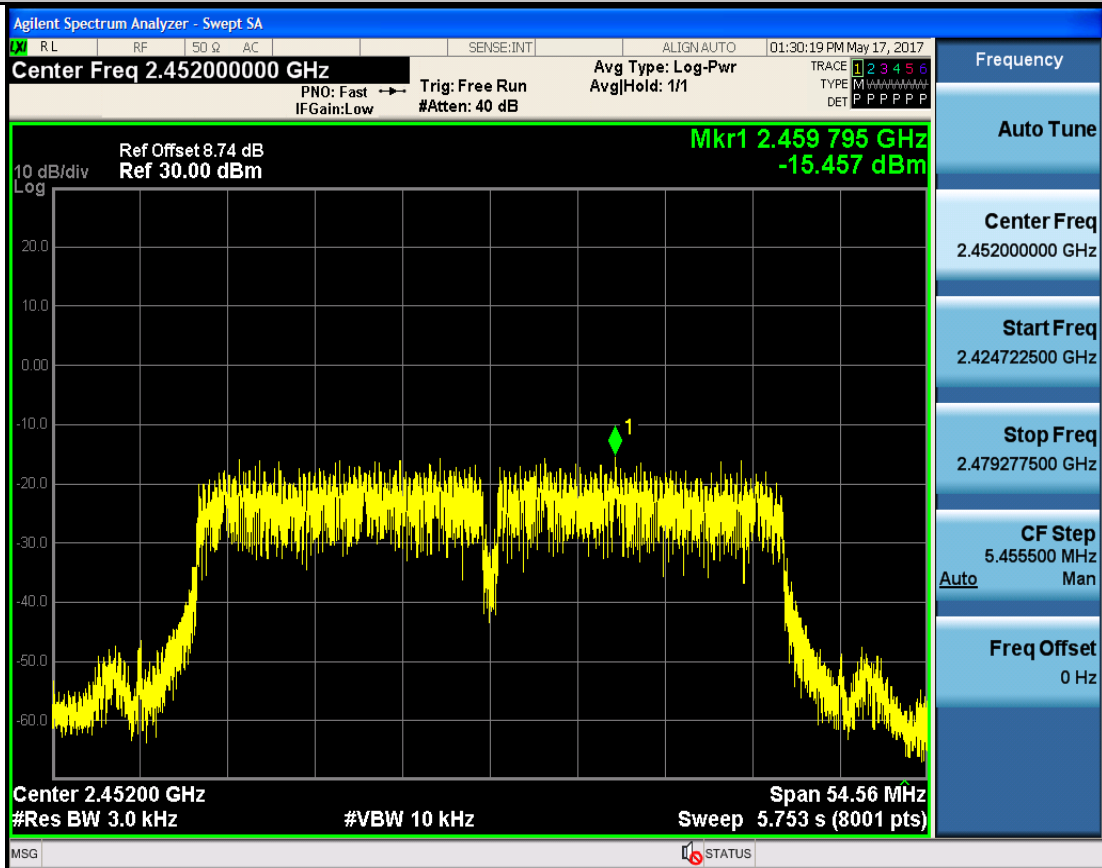
Maximum Peak power spectral density_11N40SISO_2422_Ant1



Maximum Peak power spectral density_11N40SISO_2437_Ant1



Maximum Peak power spectral density_11N40SISO_2452_Ant1

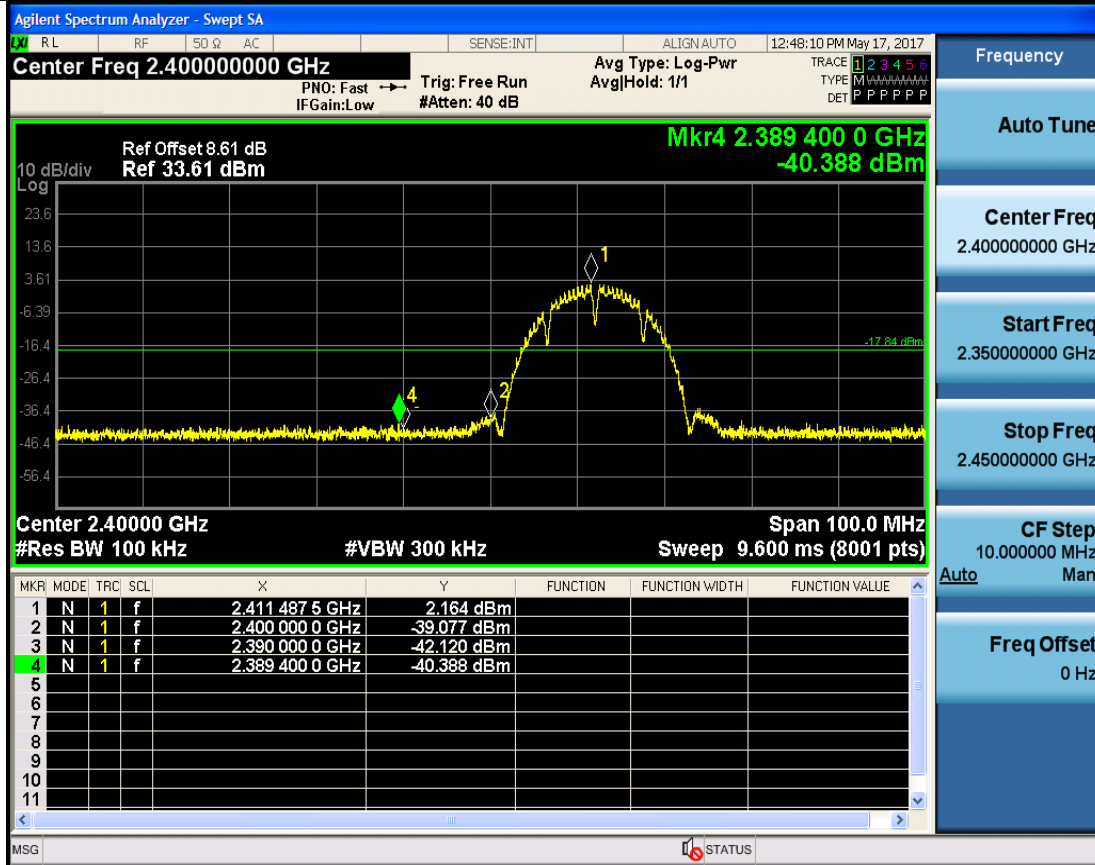


4. Band-edge for RF Conducted Emissions

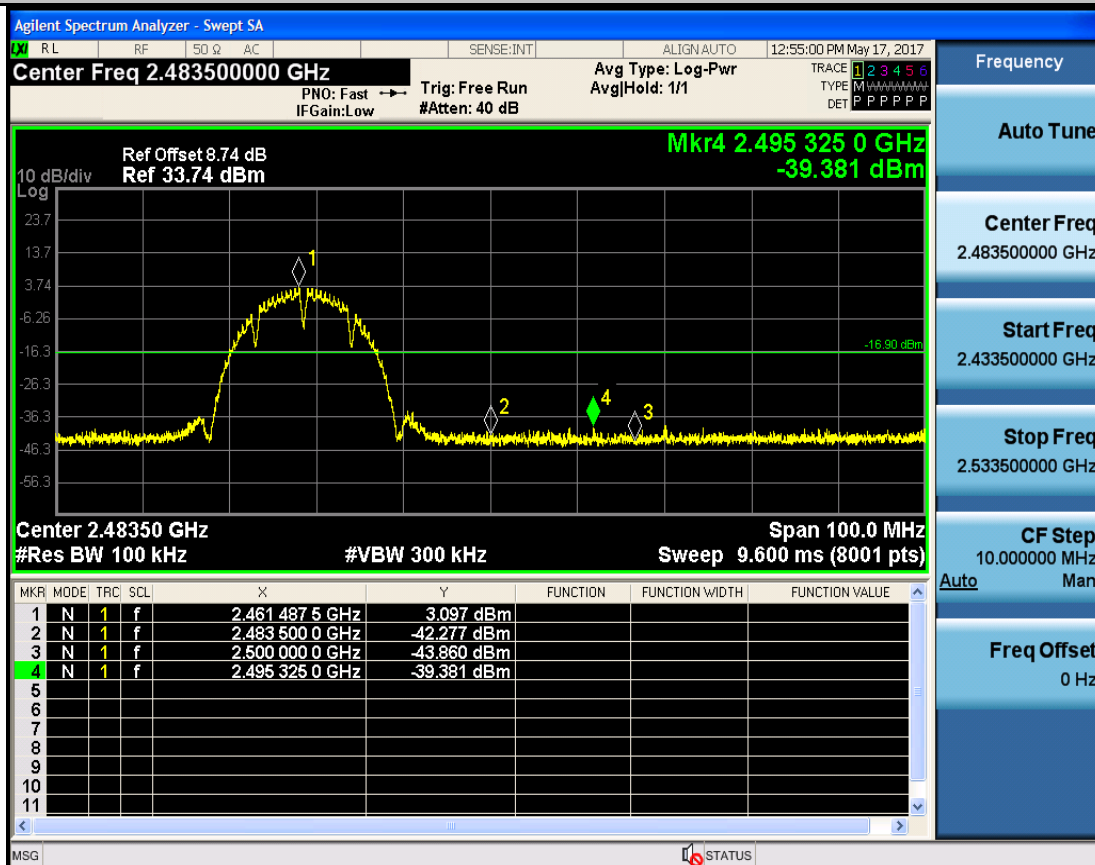
Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	2.164	-40.388	-17.84	PASS
11B	2462	Ant1	3.097	-39.381	-16.9	PASS
11G	2412	Ant1	-0.189	-40.023	-20.19	PASS
11G	2462	Ant1	0.659	-39.510	-19.34	PASS
11N20SISO	2412	Ant1	-1.578	-40.283	-21.58	PASS
11N20SISO	2462	Ant1	-0.652	-39.600	-20.65	PASS
11N40SISO	2422	Ant1	-2.020	-39.884	-22.02	PASS
11N40SISO	2452	Ant1	-2.212	-37.842	-22.21	PASS

TEST PLOT

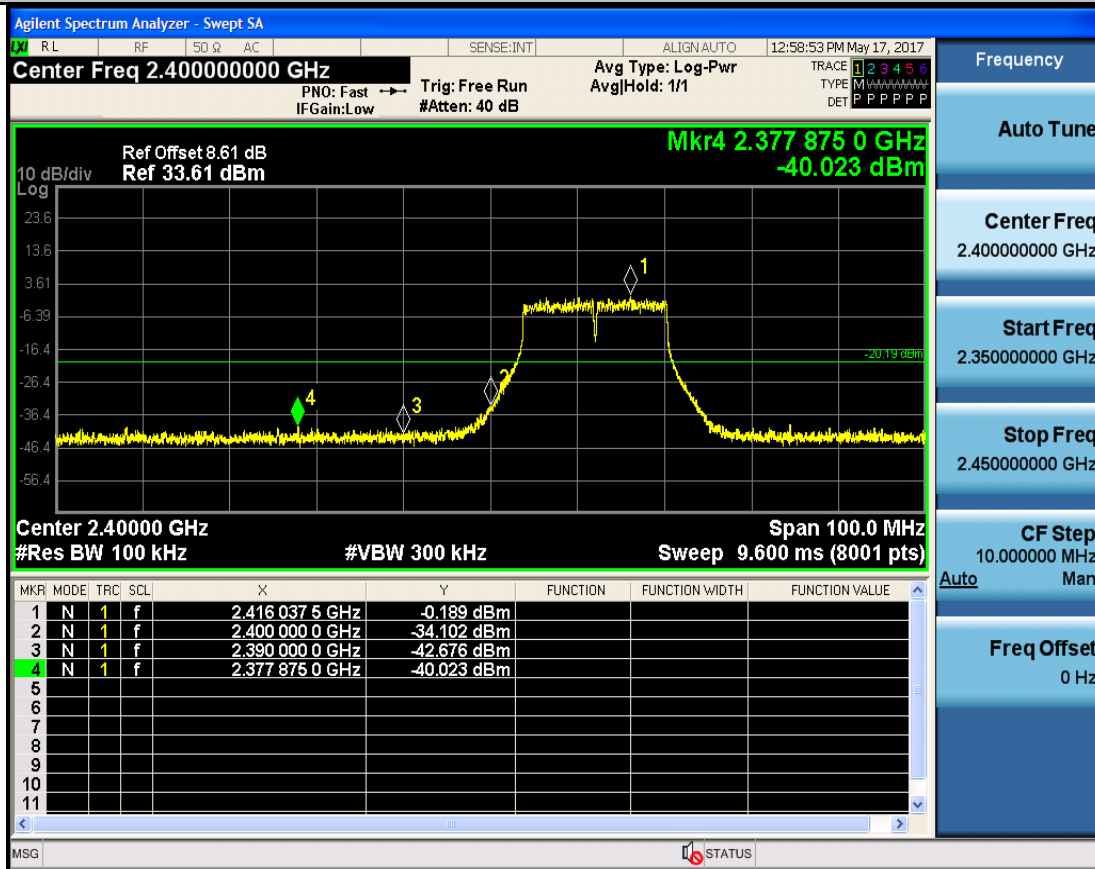
Band-edge for RF Conducted Emissions_11B_2412_Ant1



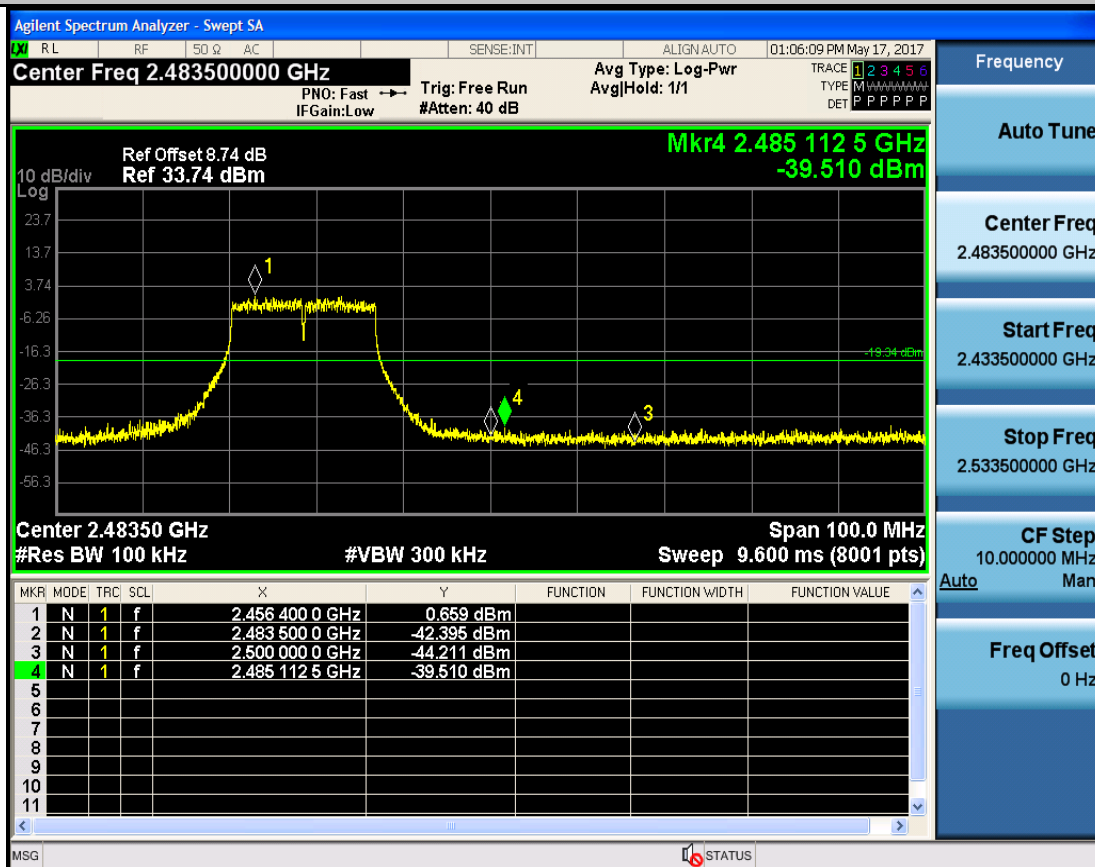
Band-edge for RF Conducted Emissions_11B_2462_Ant1



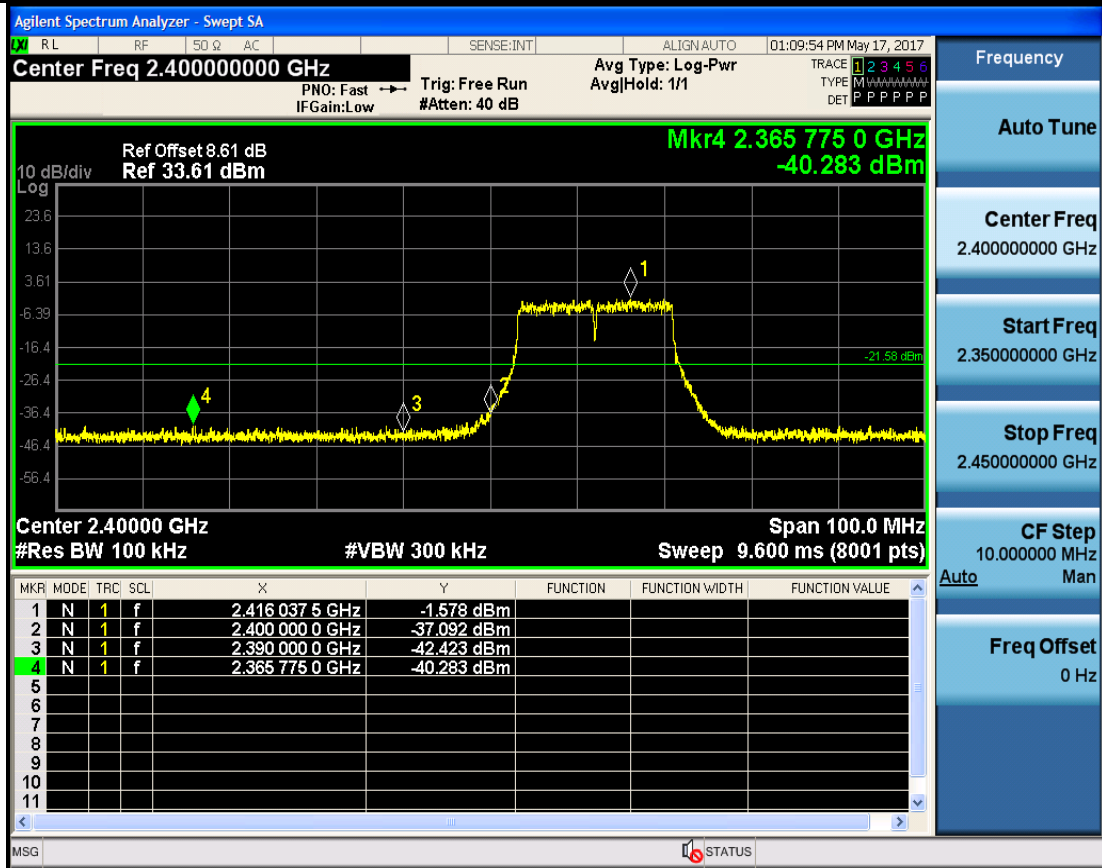
Band-edge for RF Conducted Emissions_11G_2412_Ant1



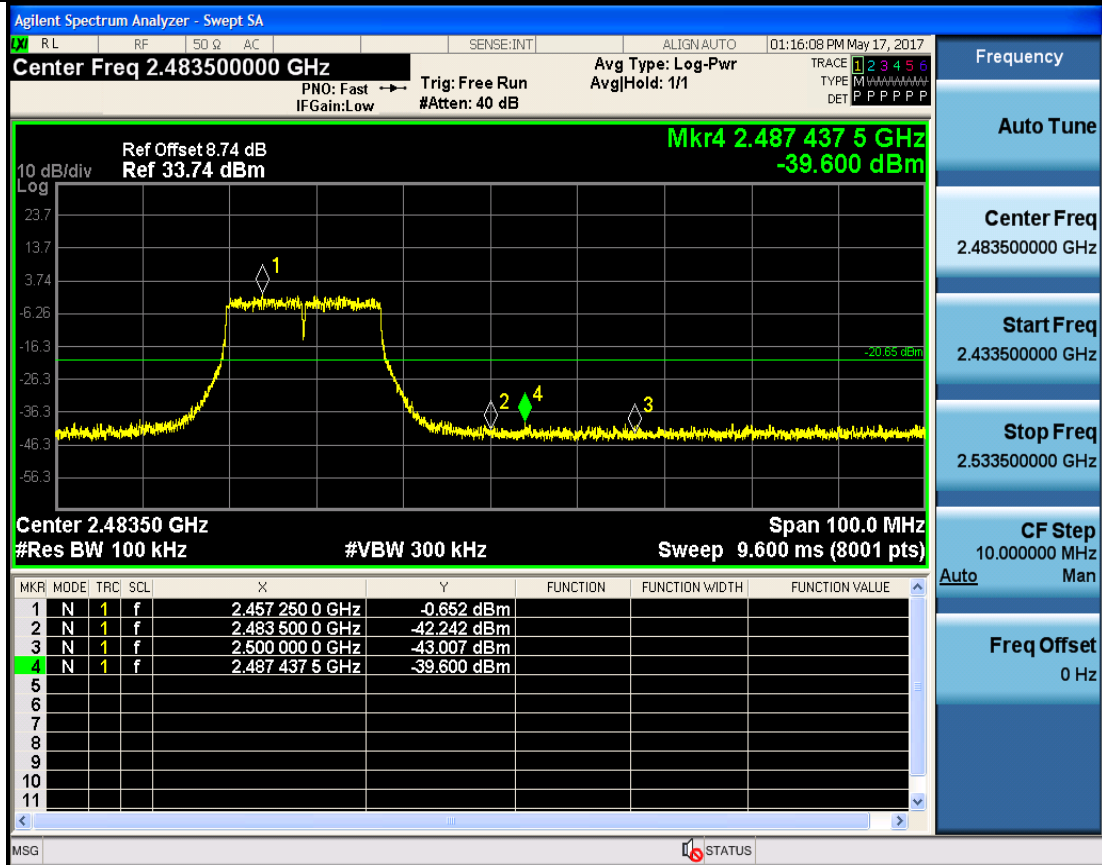
Band-edge for RF Conducted Emissions_11G_2462_Ant1



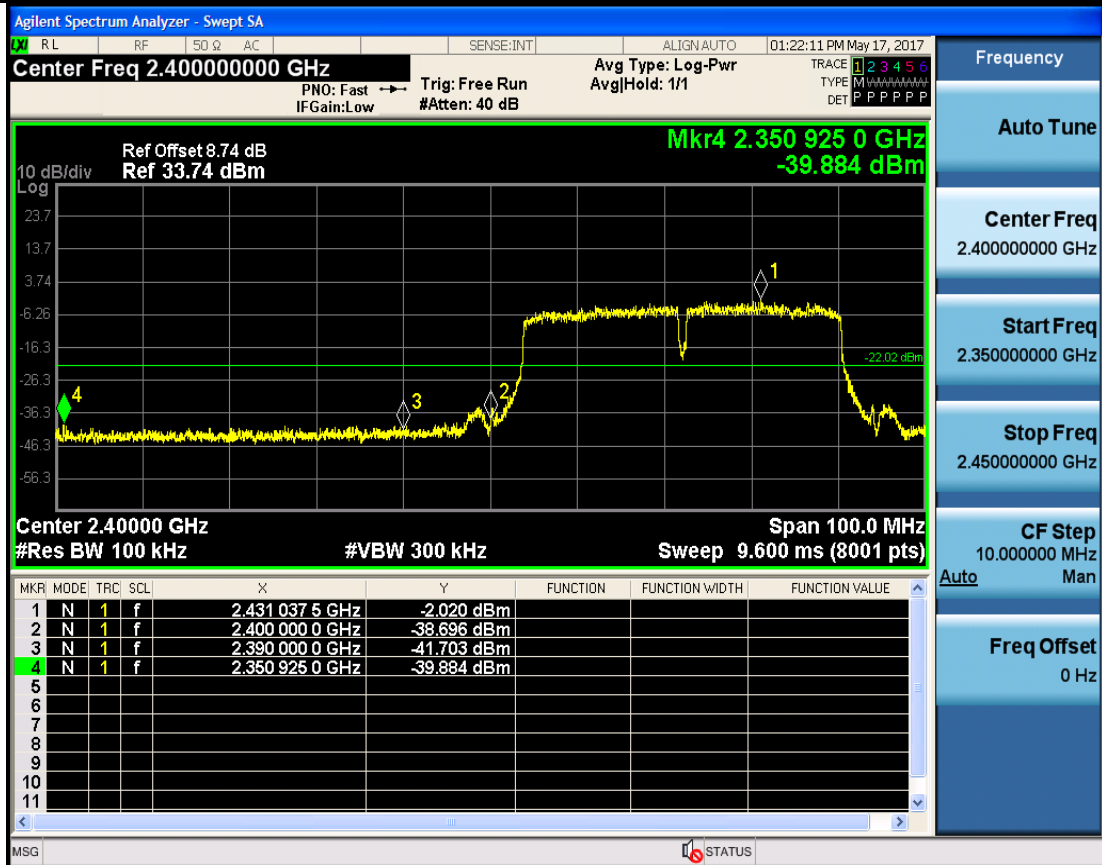
Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



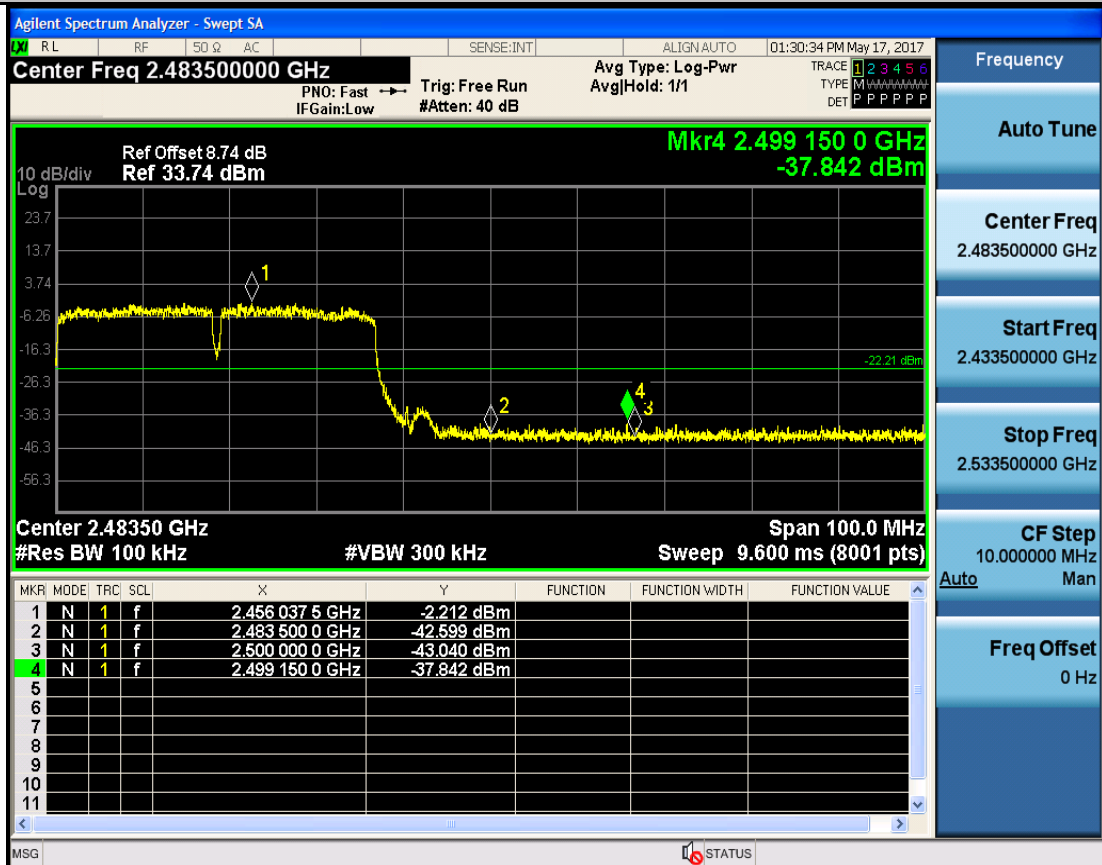
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2422_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2452_Ant1

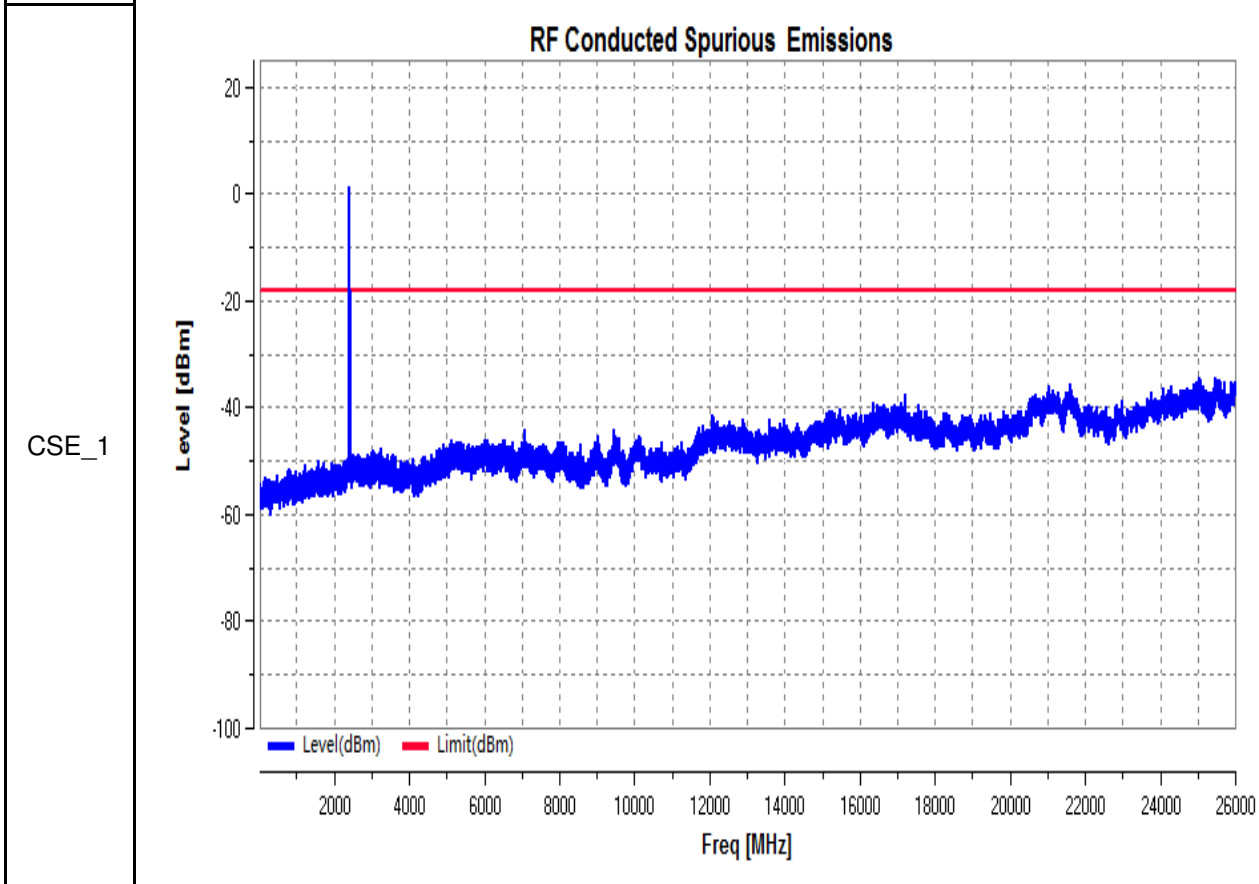
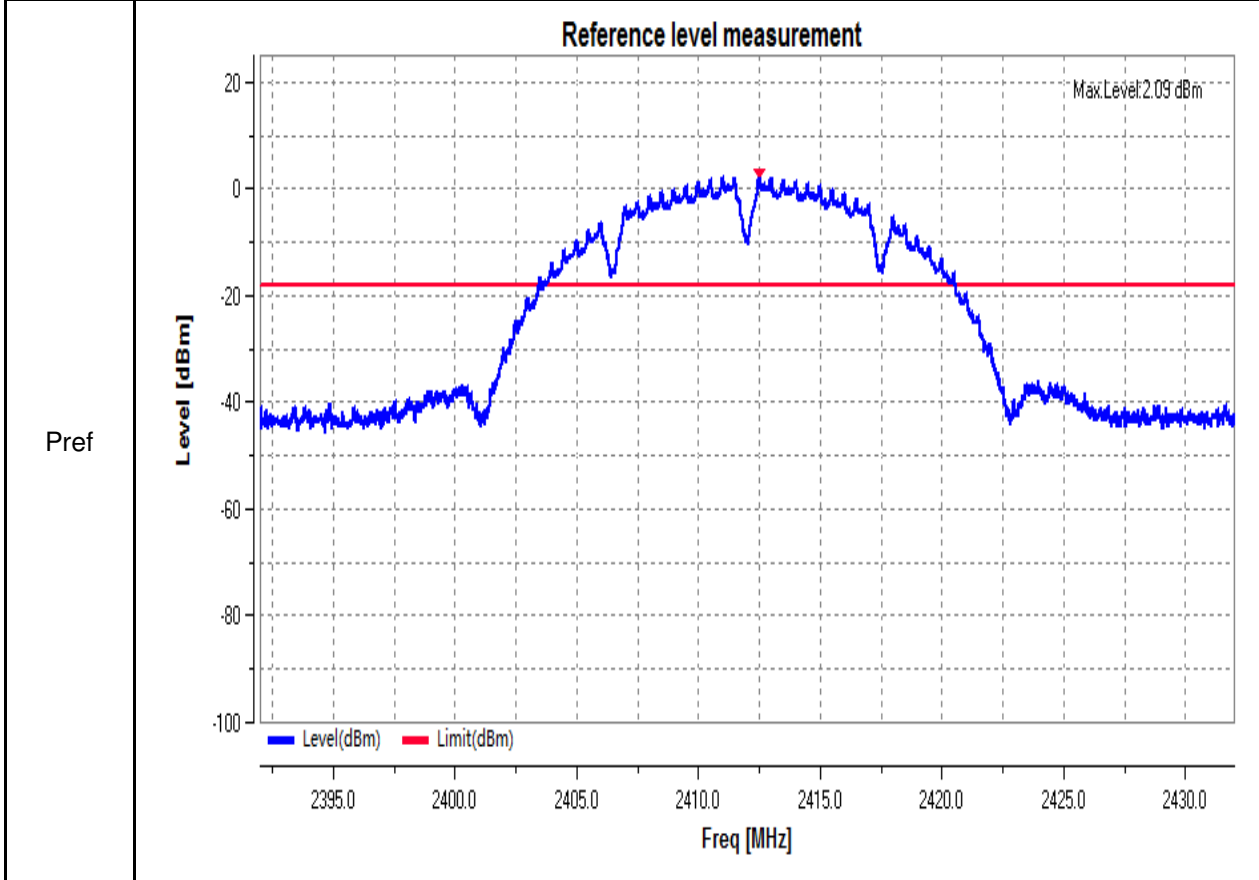


5.RF Conducted Spurious Emissions

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	2.086	-43.937	-17.914	PASS
11B	2412	Ant1	10000	26000	100	300	2.086	-34.513	-17.914	PASS
11B	2437	Ant1	30	10000	100	300	3.514	-43.066	-16.486	PASS
11B	2437	Ant1	10000	26000	100	300	3.514	-34.212	-16.486	PASS
11B	2462	Ant1	30	10000	100	300	2.969	-43.920	-17.031	PASS
11B	2462	Ant1	10000	26000	100	300	2.969	-33.416	-17.031	PASS
11G	2412	Ant1	30	10000	100	300	-0.29	-44.338	-20.29	PASS
11G	2412	Ant1	10000	26000	100	300	-0.29	-34.436	-20.29	PASS
11G	2437	Ant1	30	10000	100	300	0.994	-43.295	-19.006	PASS
11G	2437	Ant1	10000	26000	100	300	0.994	-33.722	-19.006	PASS
11G	2462	Ant1	30	10000	100	300	0.583	-44.152	-19.417	PASS
11G	2462	Ant1	10000	26000	100	300	0.583	-33.149	-19.417	PASS
11N20SISO	2412	Ant1	30	10000	100	300	-1.493	-44.675	-21.493	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	-1.493	-33.967	-21.493	PASS
11N20SISO	2437	Ant1	30	10000	100	300	-0.114	-44.748	-20.114	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	-0.114	-34.065	-20.114	PASS
11N20SISO	2462	Ant1	30	10000	100	300	-0.935	-44.609	-20.935	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	-0.935	-33.841	-20.935	PASS
11N40SISO	2422	Ant1	30	10000	100	300	-1.981	-43.215	-21.981	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	-1.981	-34.097	-21.981	PASS
11N40SISO	2437	Ant1	30	10000	100	300	-1.783	-44.366	-21.783	PASS
11N40SISO	2437	Ant1	10000	26000	100	300	-1.783	-33.096	-21.783	PASS
11N40SISO	2452	Ant1	30	10000	100	300	-2.383	-44.530	-22.383	PASS
11N40SISO	2452	Ant1	10000	26000	100	300	-2.383	-33.887	-22.383	PASS

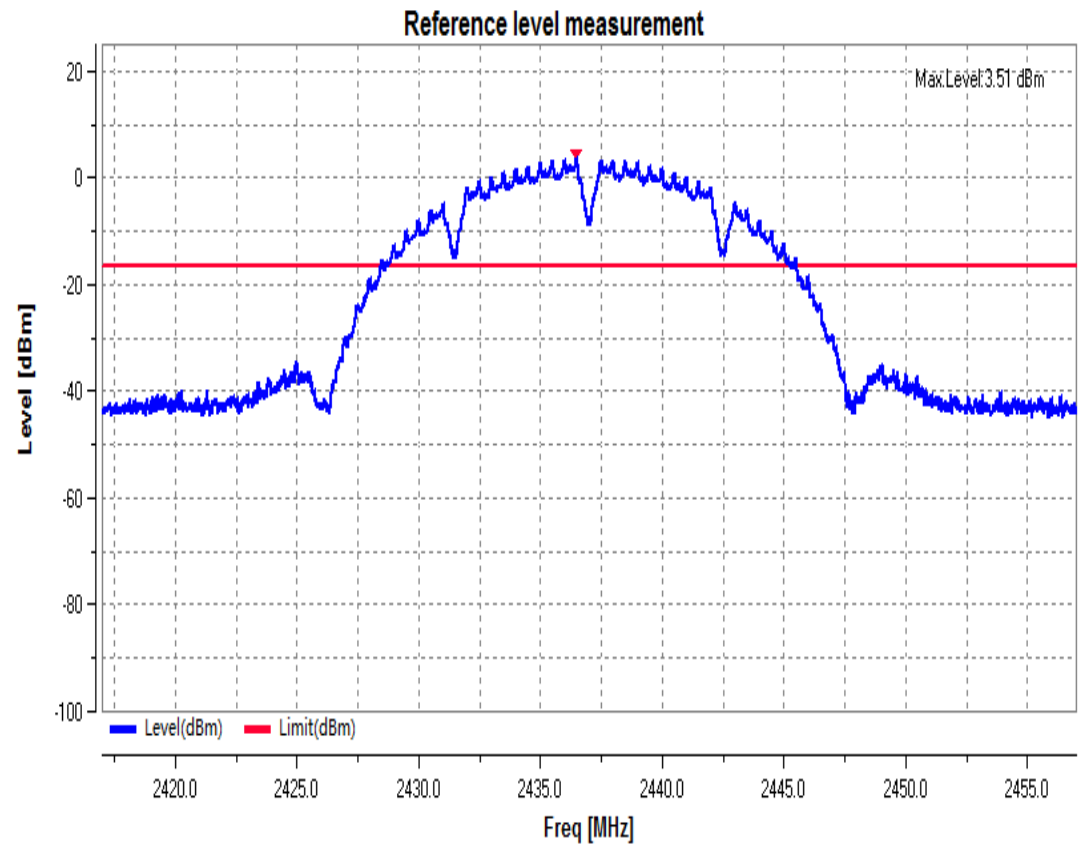
TEST PLOT

RF Conducted Spurious Emissions_11B_2412_Ant1

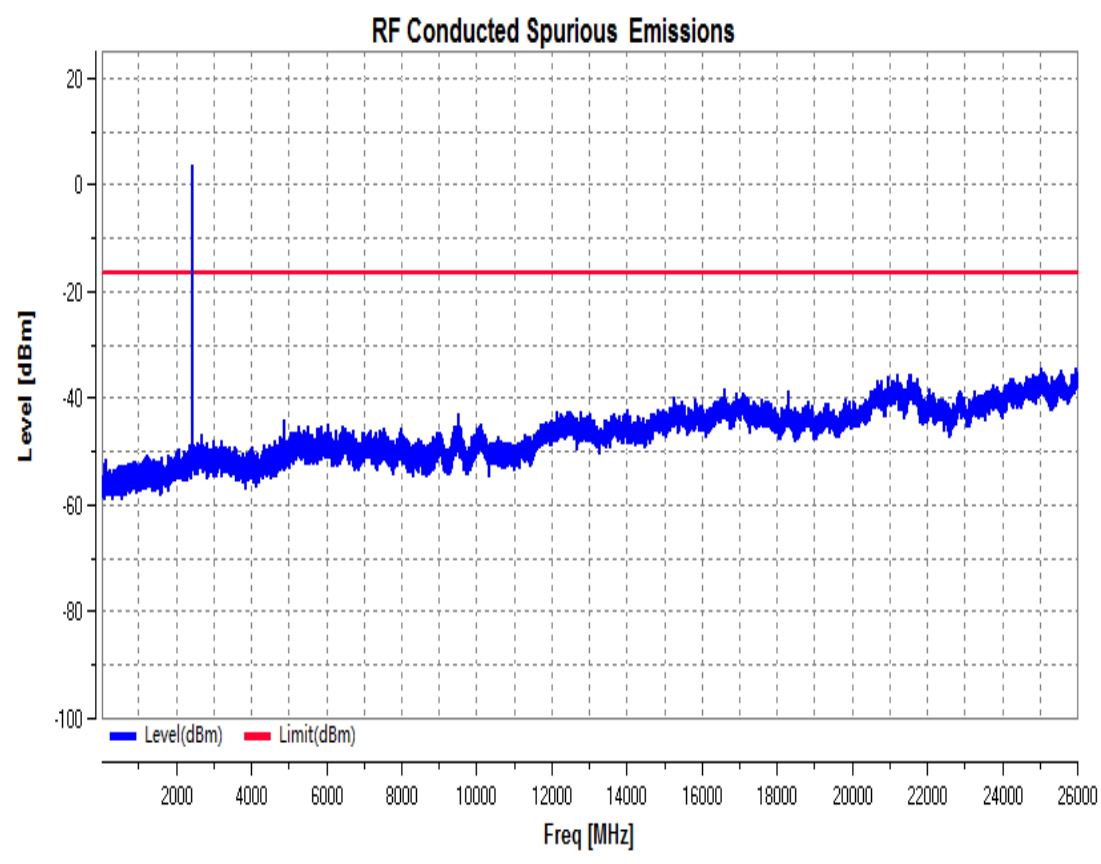


RF Conducted Spurious Emissions_11B_2437_Ant1

Pref

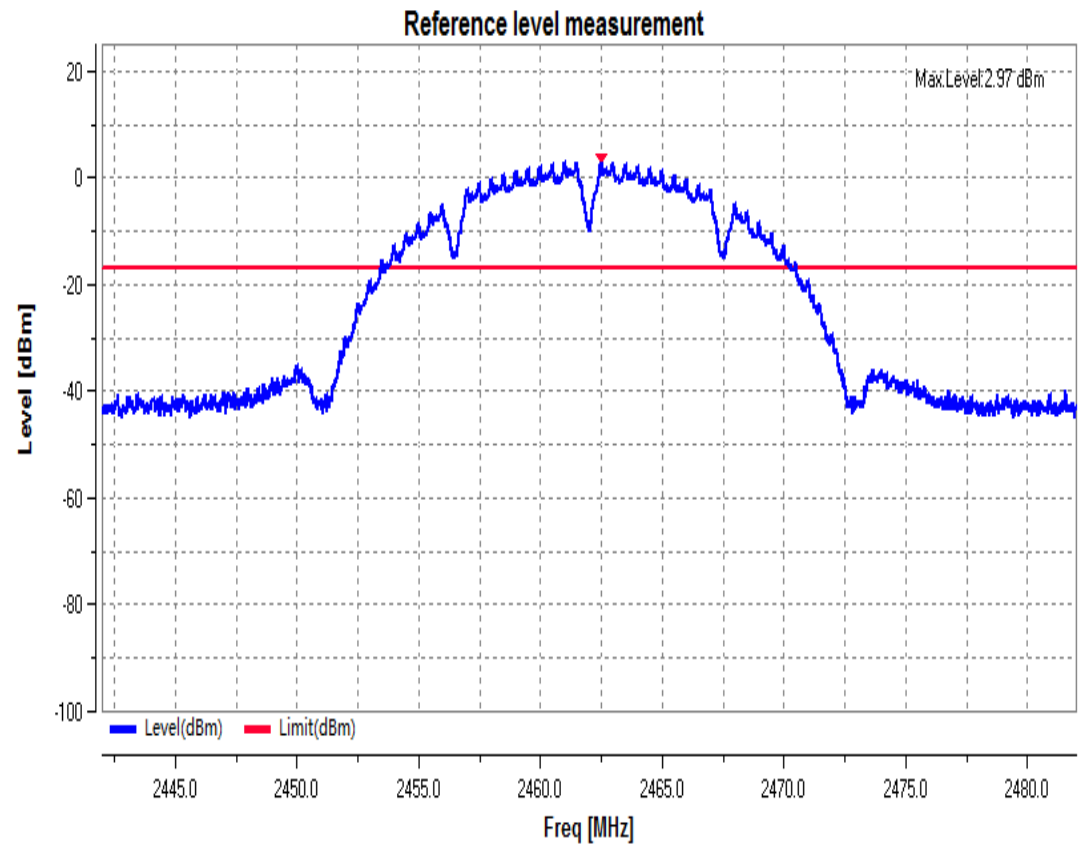


CSE_1

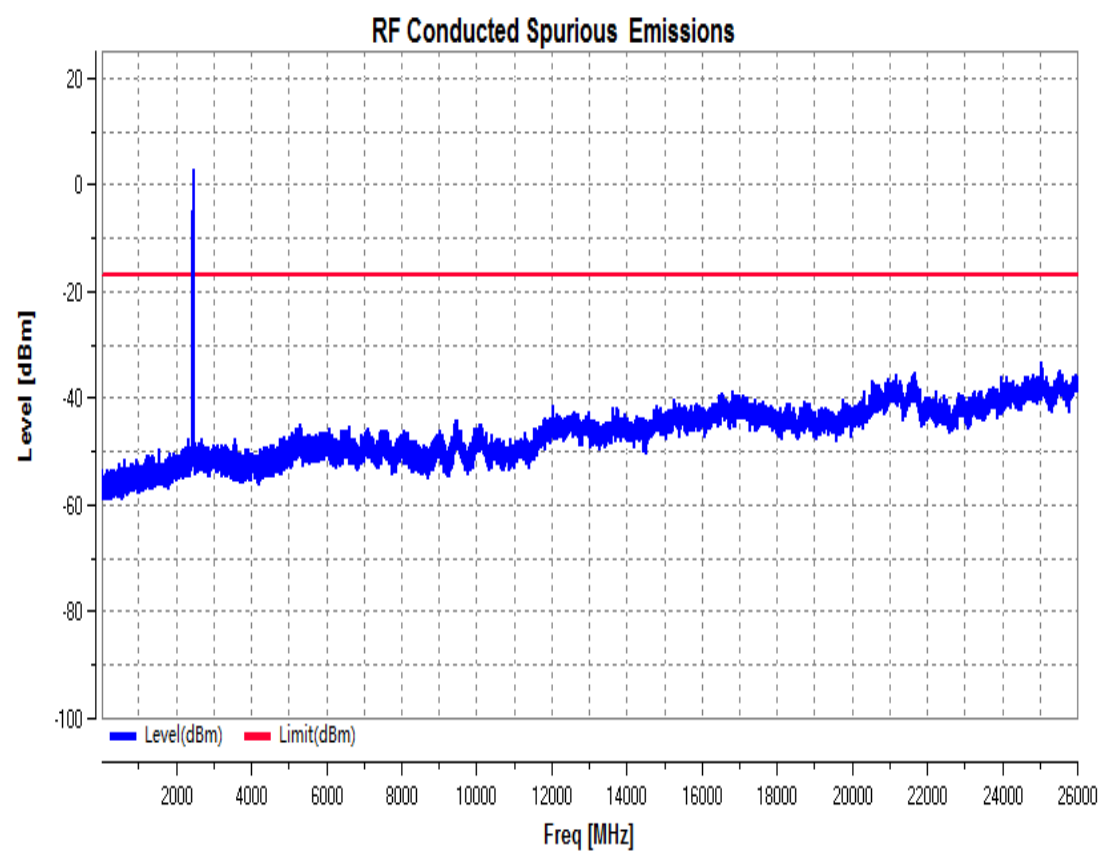


RF Conducted Spurious Emissions_11B_2462_Ant1

Pref

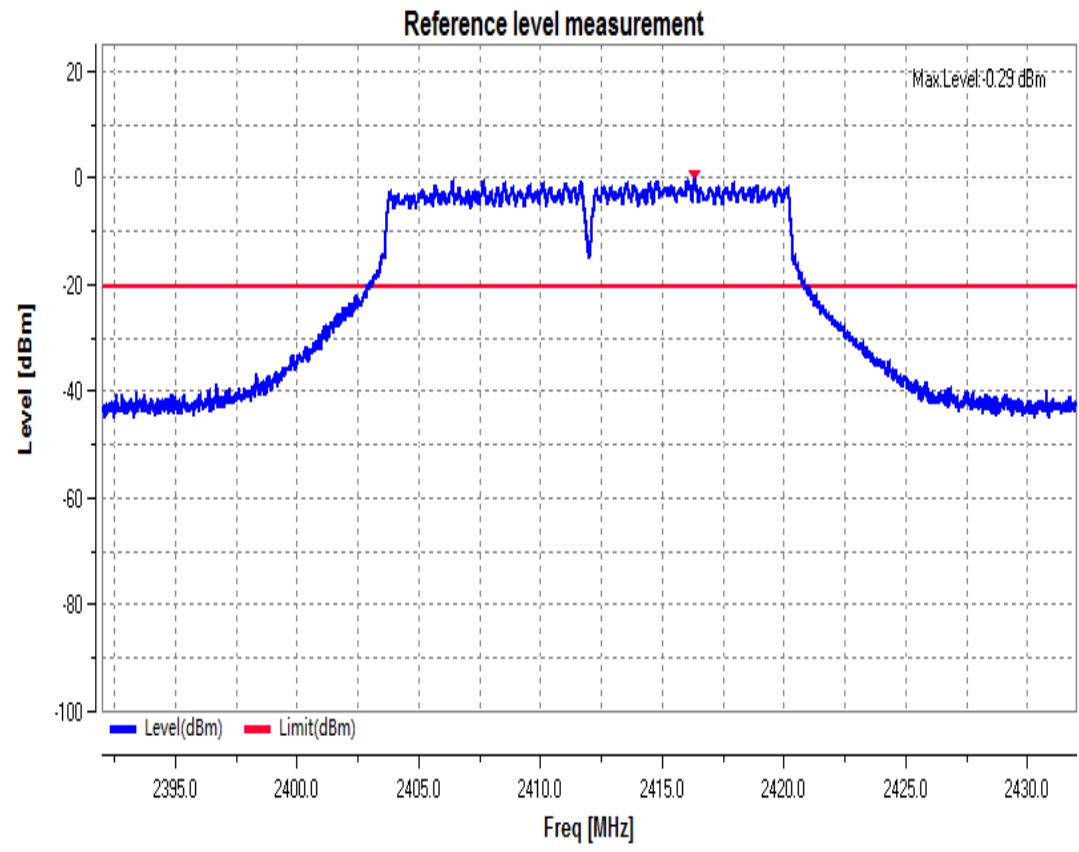


CSE_1

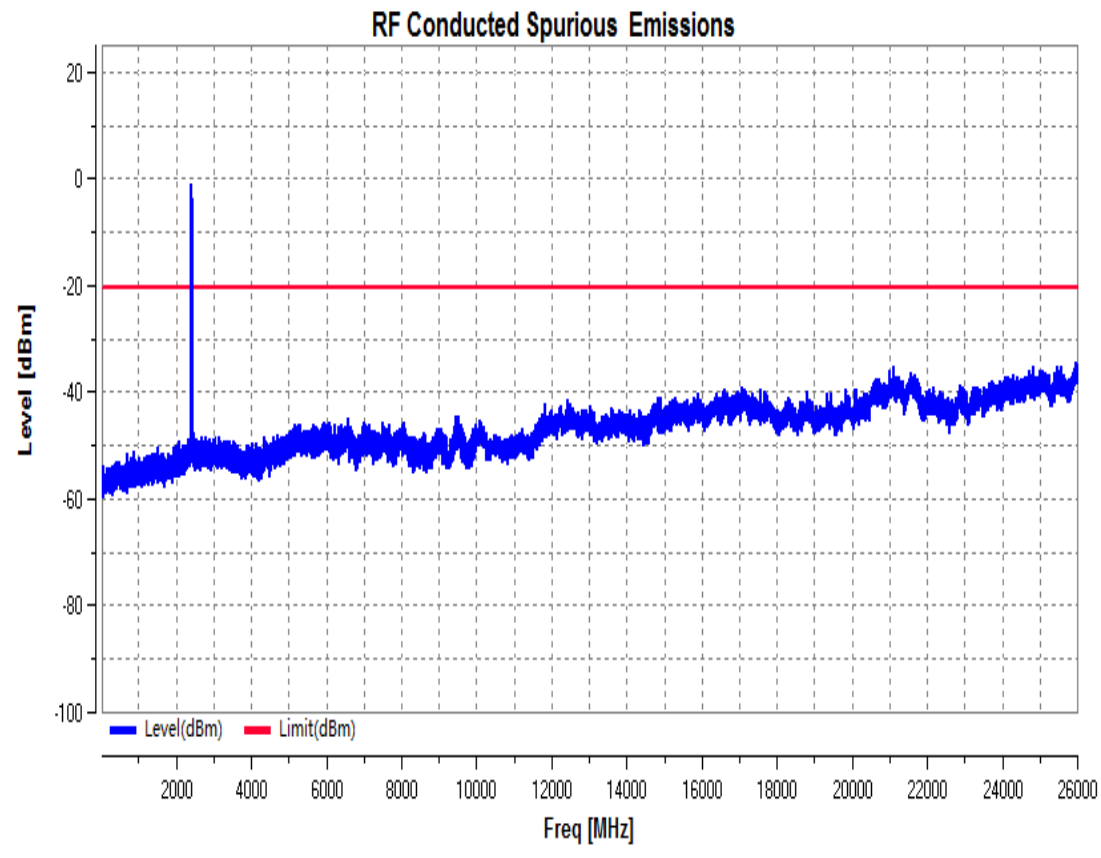


RF Conducted Spurious Emissions_11G_2412_Ant1

Pref

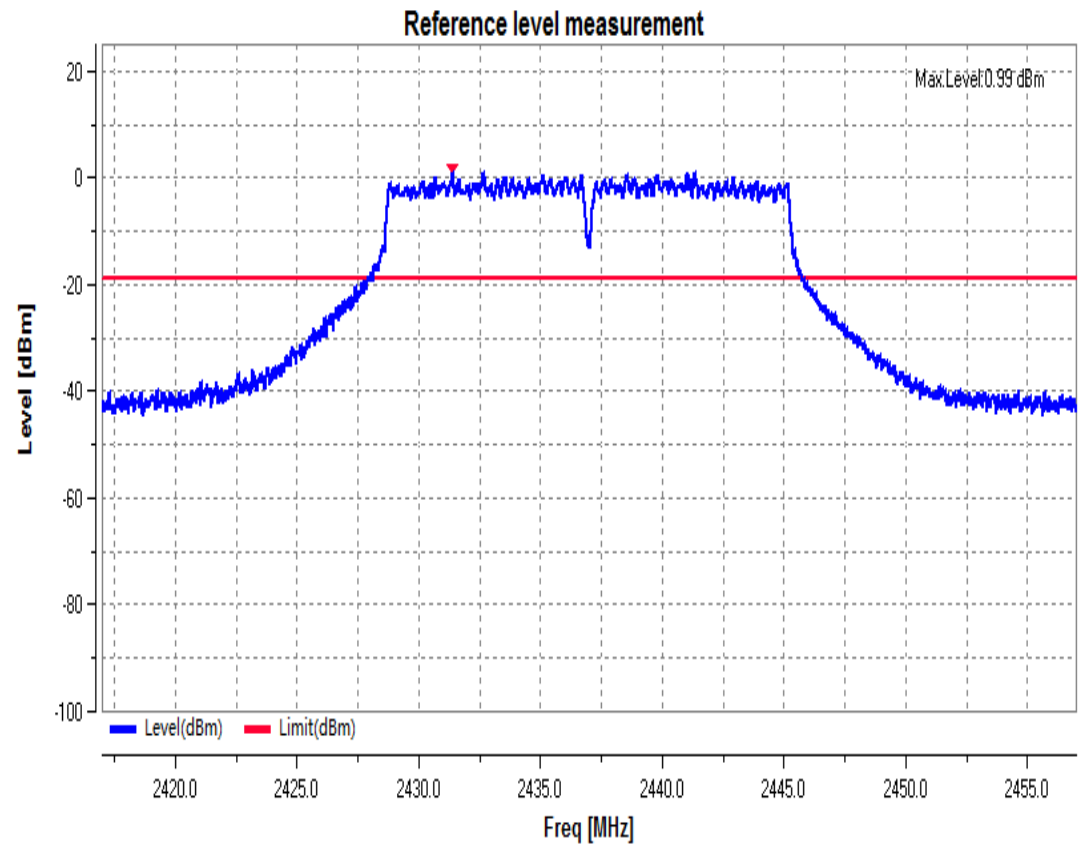


CSE_1

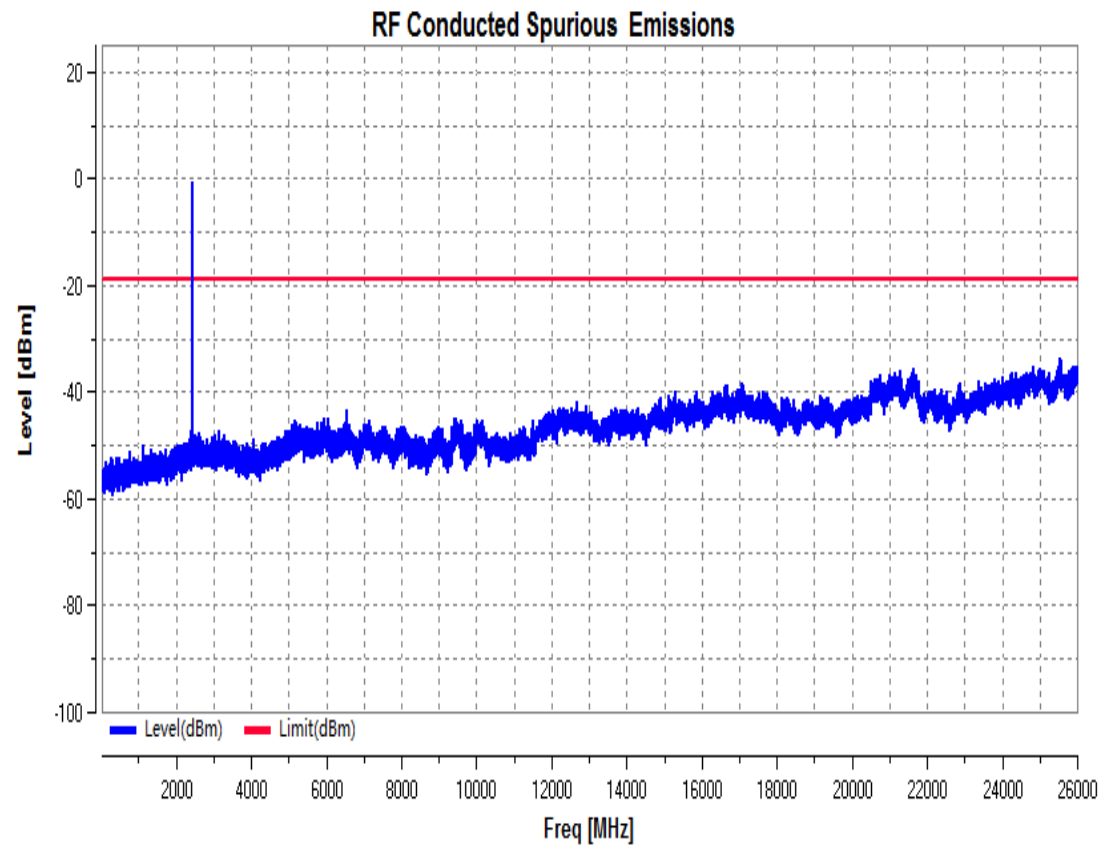


RF Conducted Spurious Emissions_11G_2437_Ant1

Pref

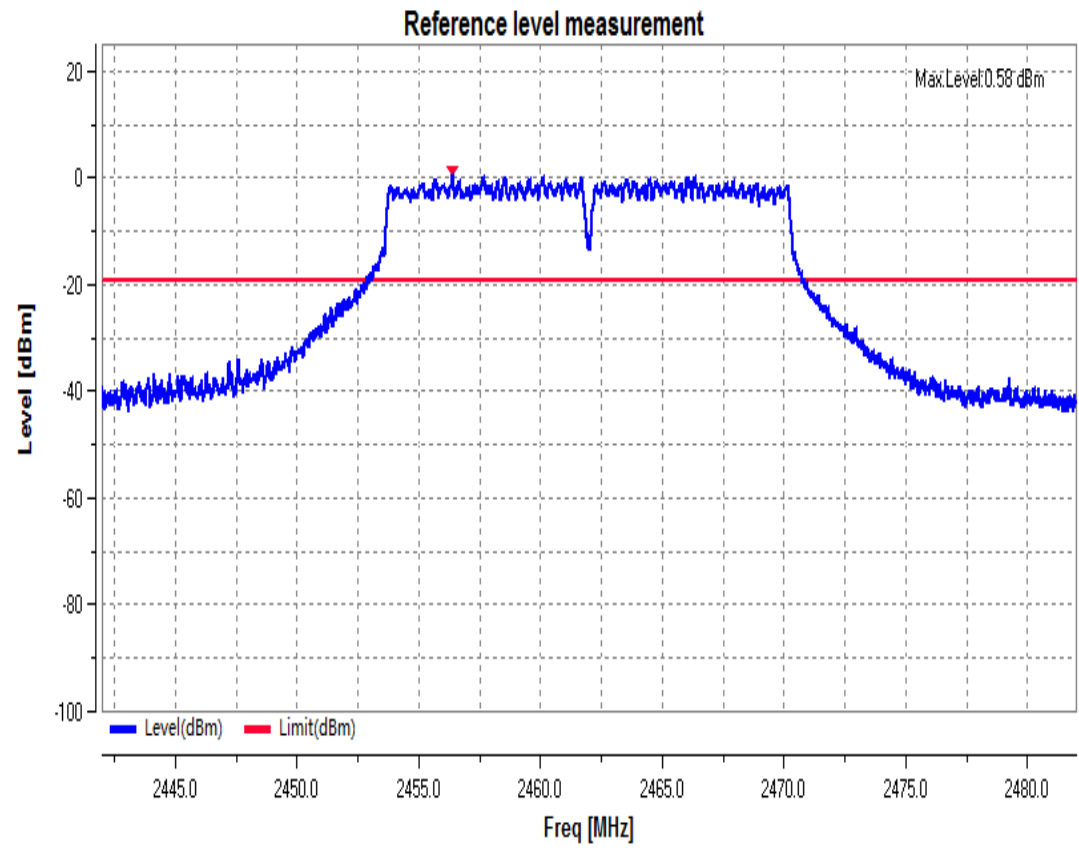


CSE_1

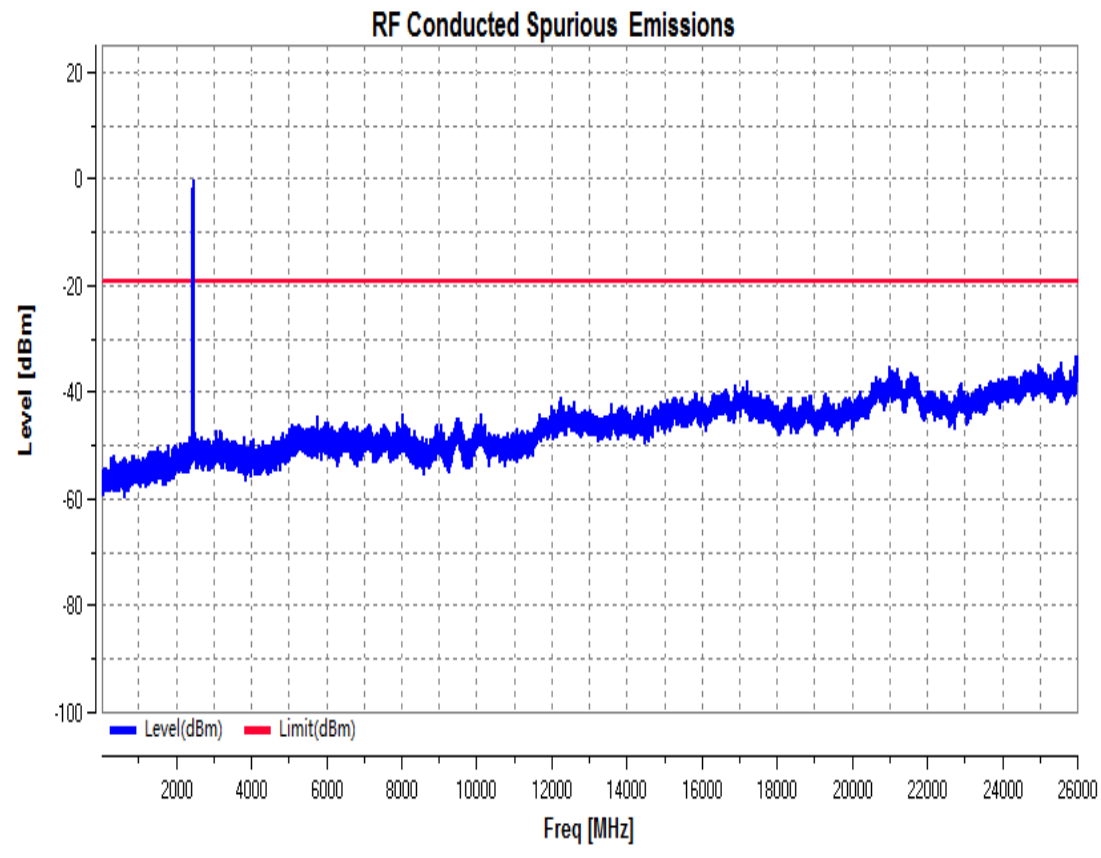


RF Conducted Spurious Emissions_11G_2462_Ant1

Pref

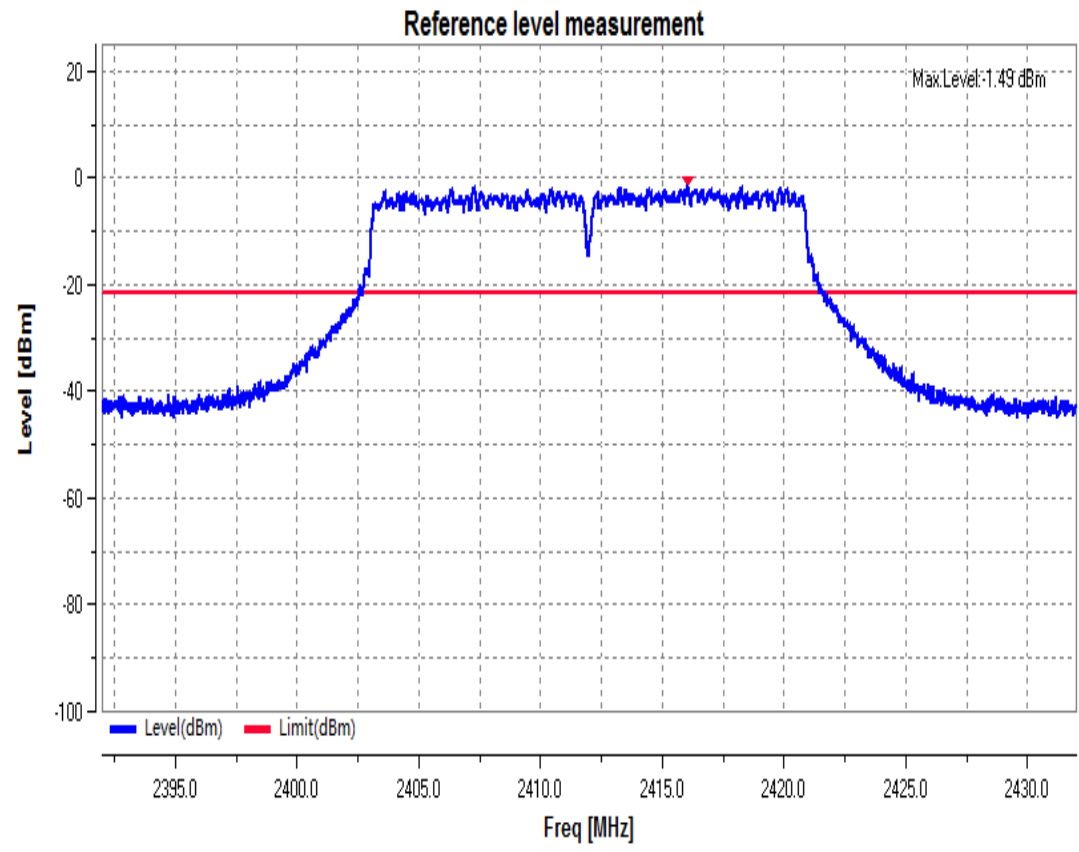


CSE_1

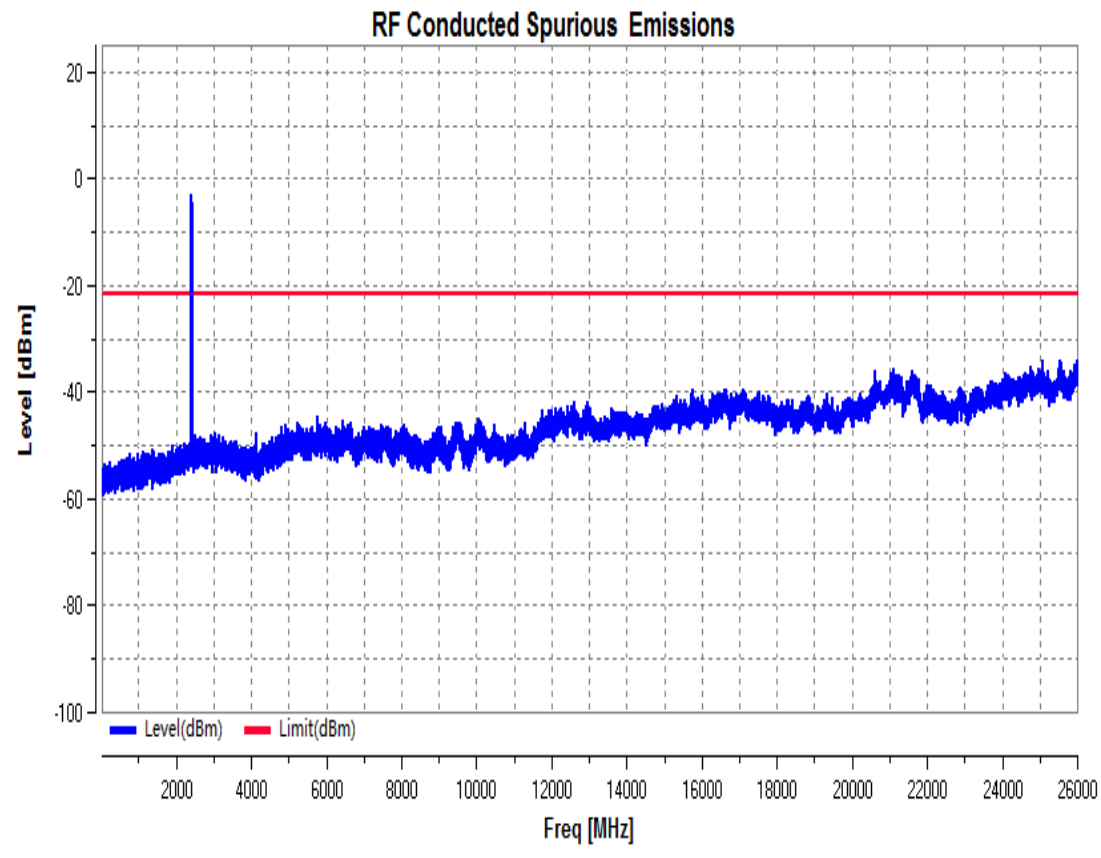


RF Conducted Spurious Emissions_11N20SISO_2412_Ant1

Pref

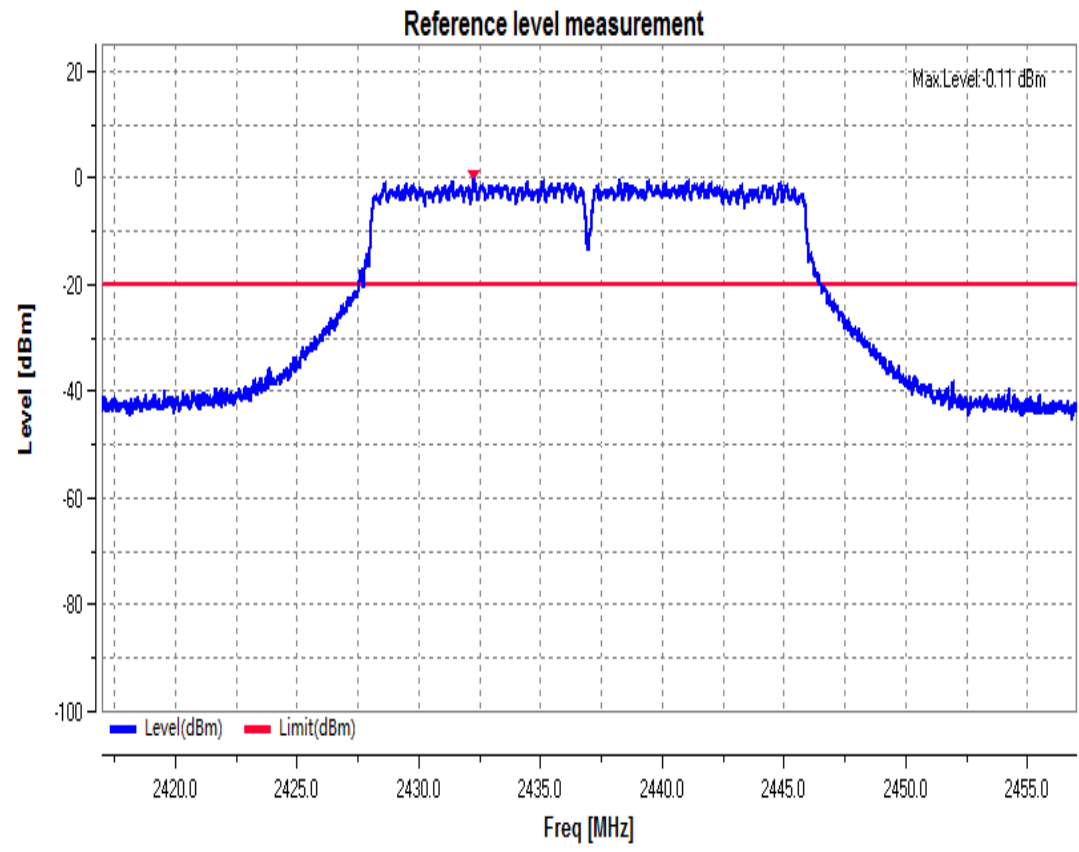


CSE_1

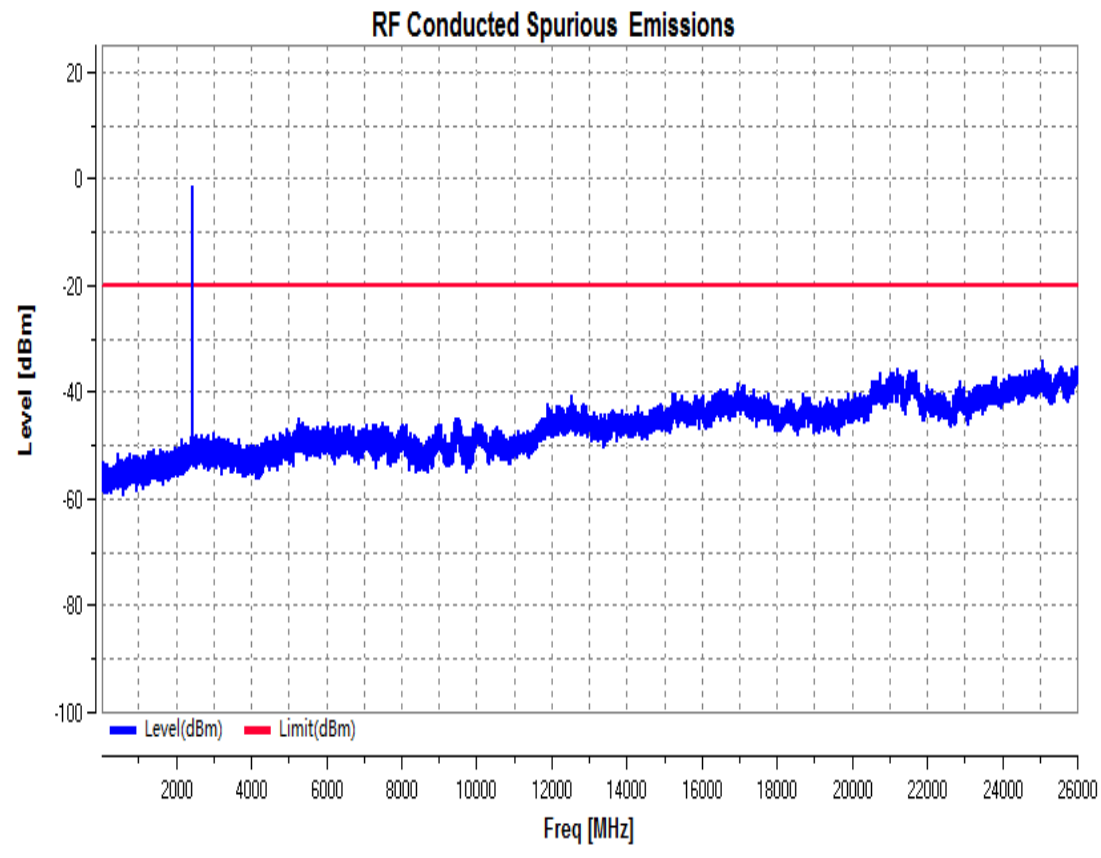


RF Conducted Spurious Emissions_11N20SISO_2437_Ant1

Pref

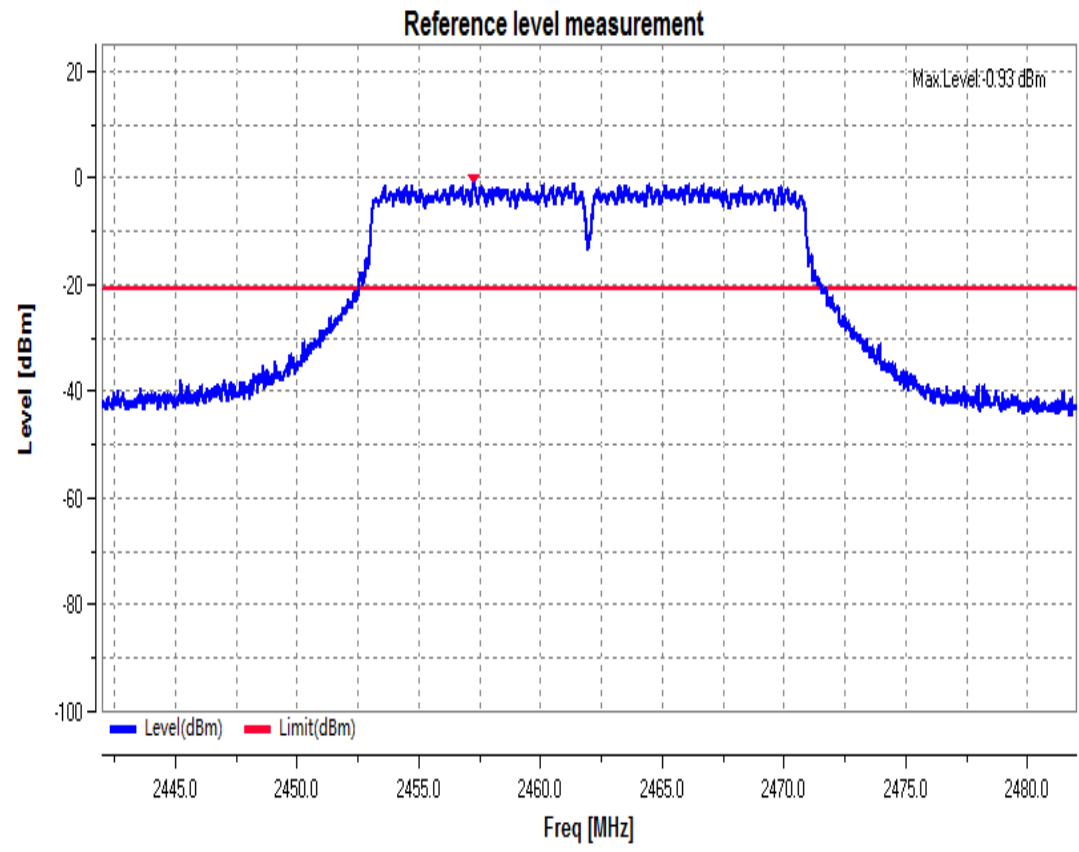


CSE_1

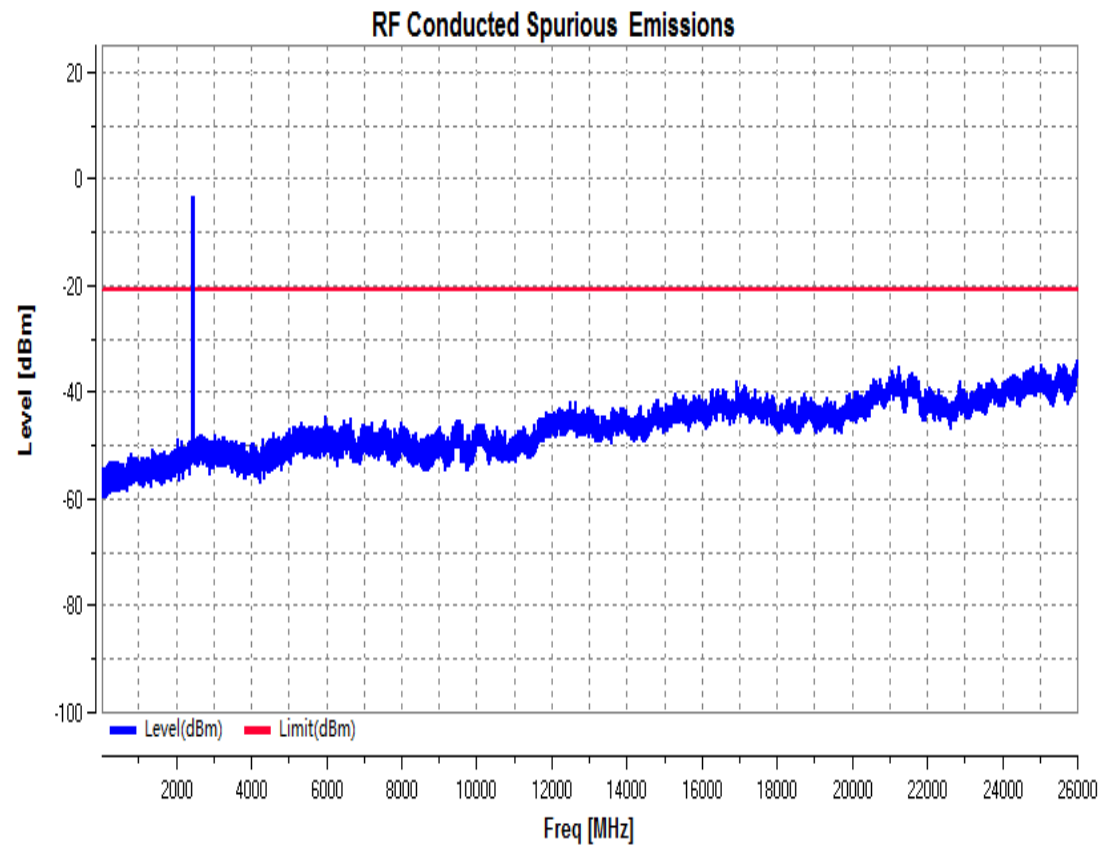


RF Conducted Spurious Emissions_11N20SISO_2462_Ant1

Pref

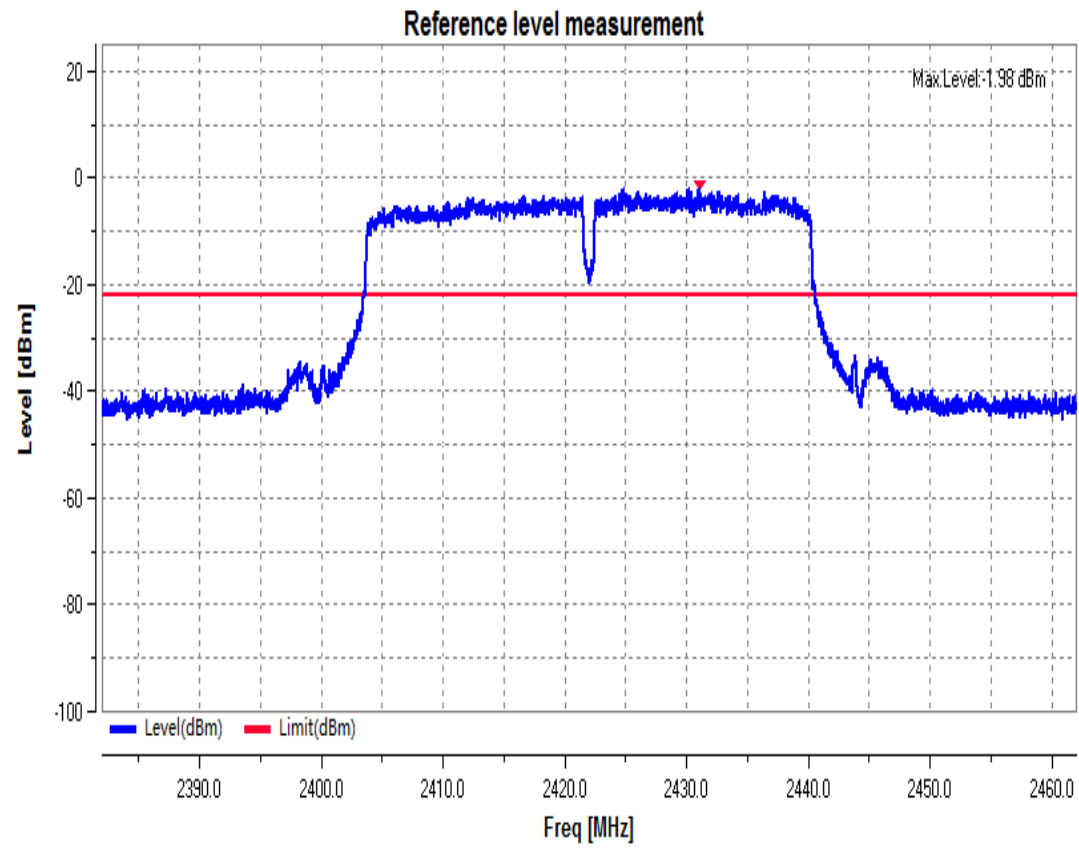


CSE_1

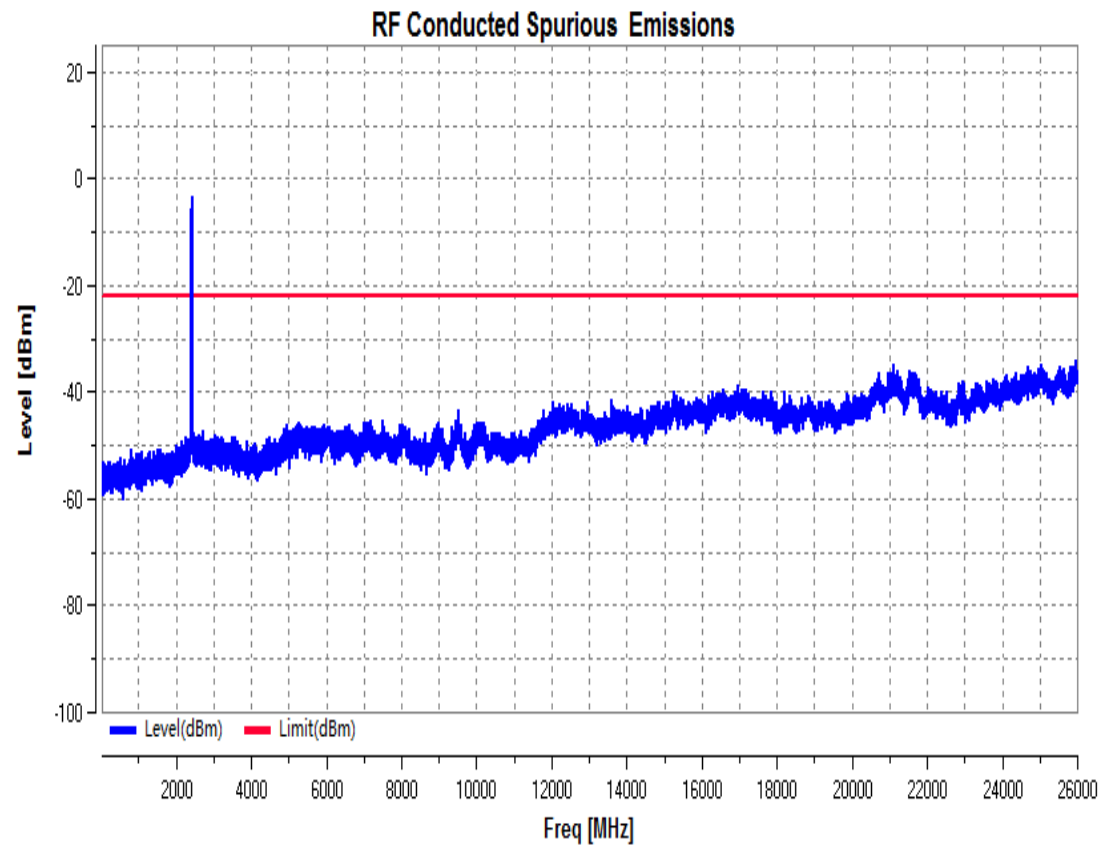


RF Conducted Spurious Emissions_11N40SISO_2422_Ant1

Pref

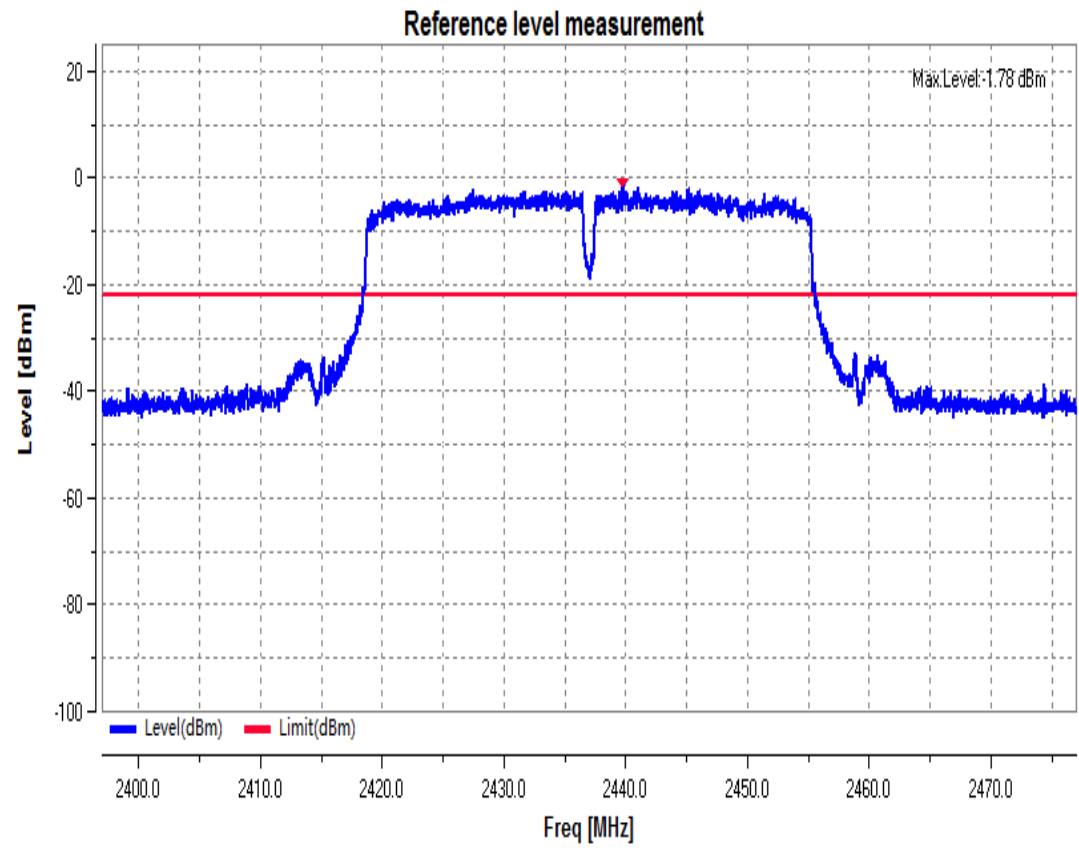


CSE_1

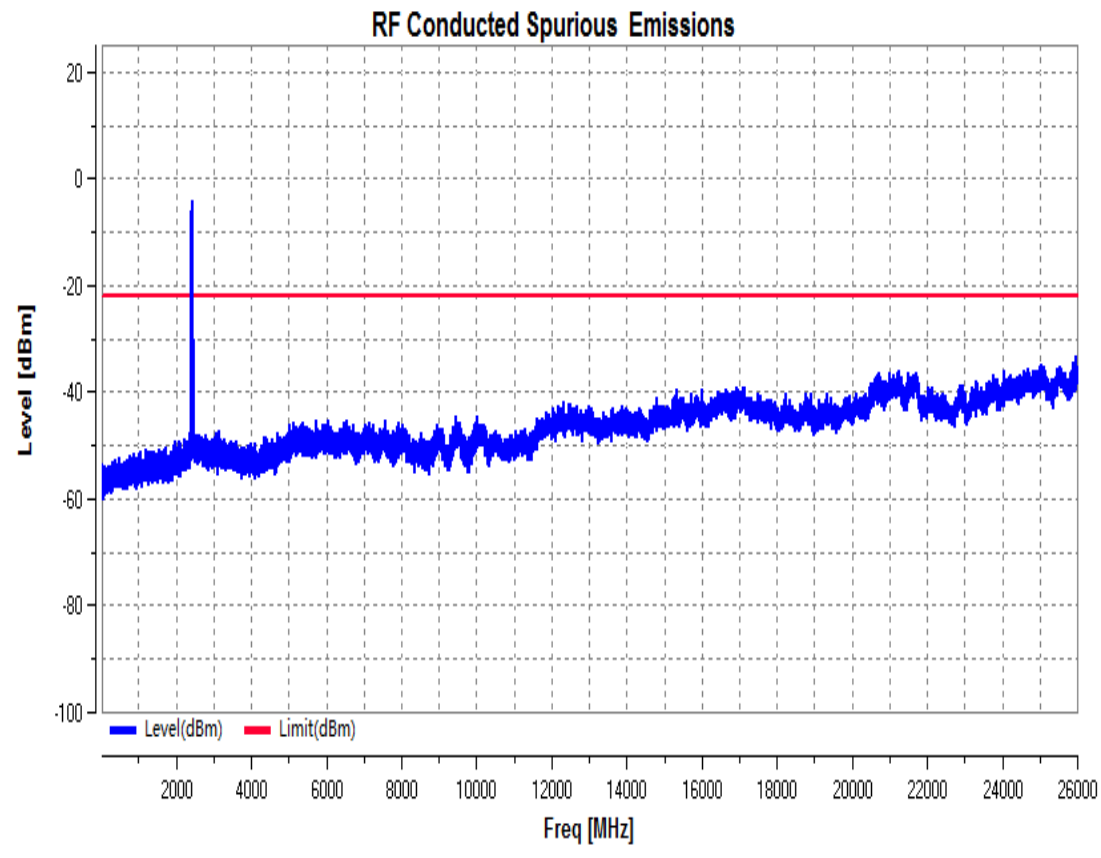


RF Conducted Spurious Emissions_11N40SISO_2437_Ant1

Pref

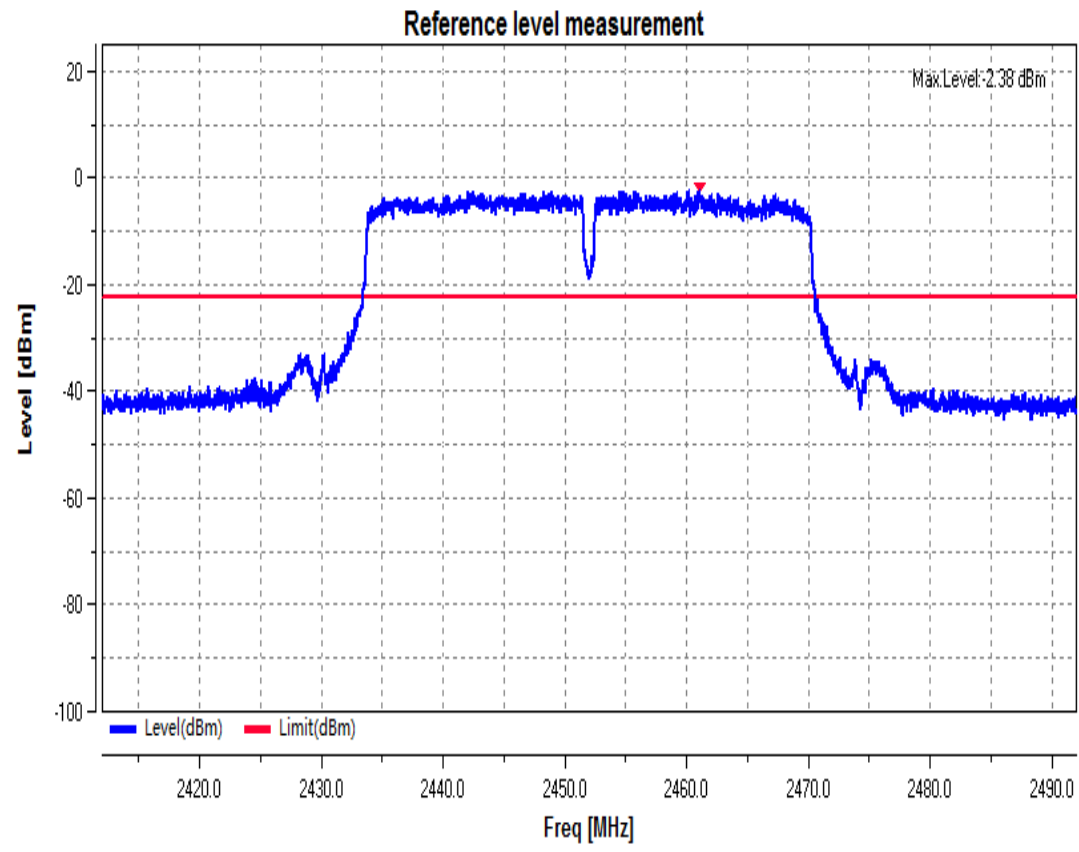


CSE_1



RF Conducted Spurious Emissions_11N40SISO_2452_Ant1

Pref



CSE_1

