

Appendix B for SHEM170200091003

1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	8.428	0.5	PASS
11B	2437	Ant1	8.169	0.5	PASS
11B	2462	Ant1	8.408	0.5	PASS
11G	2412	Ant1	16.50	0.5	PASS
11G	2437	Ant1	16.47	0.5	PASS
11G	2462	Ant1	16.43	0.5	PASS
11N20SISO	2412	Ant1	17.68	0.5	PASS
11N20SISO	2437	Ant1	17.71	0.5	PASS
11N20SISO	2462	Ant1	17.56	0.5	PASS
11N40SISO	2422	Ant1	35.72	0.5	PASS
11N40SISO	2437	Ant1	35.78	0.5	PASS
11N40SISO	2452	Ant1	35.81	0.5	PASS

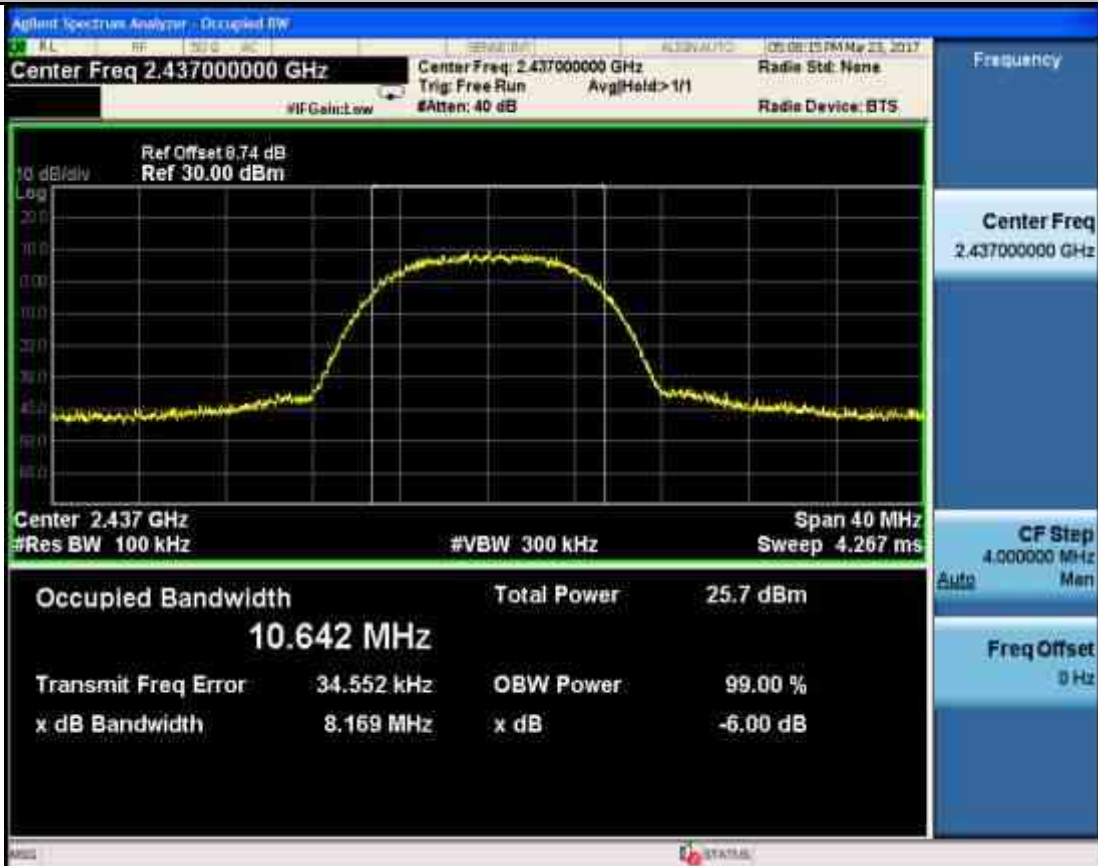
Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11G	2412	Ant2	16.49	0.5	PASS
11G	2437	Ant2	16.50	0.5	PASS
11G	2462	Ant2	16.49	0.5	PASS
11N20SISO	2412	Ant2	17.68	0.5	PASS
11N20SISO	2437	Ant2	17.70	0.5	PASS
11N20SISO	2462	Ant2	17.72	0.5	PASS
11N40SISO	2422	Ant2	35.70	0.5	PASS
11N40SISO	2437	Ant2	36.05	0.5	PASS
11N40SISO	2452	Ant2	35.70	0.5	PASS

TEST PLOT

6dB Bandwidth_11B_2412_Ant1



6dB Bandwidth_11B_2437_Ant1



6dB Bandwidth_11B_2462_Ant1



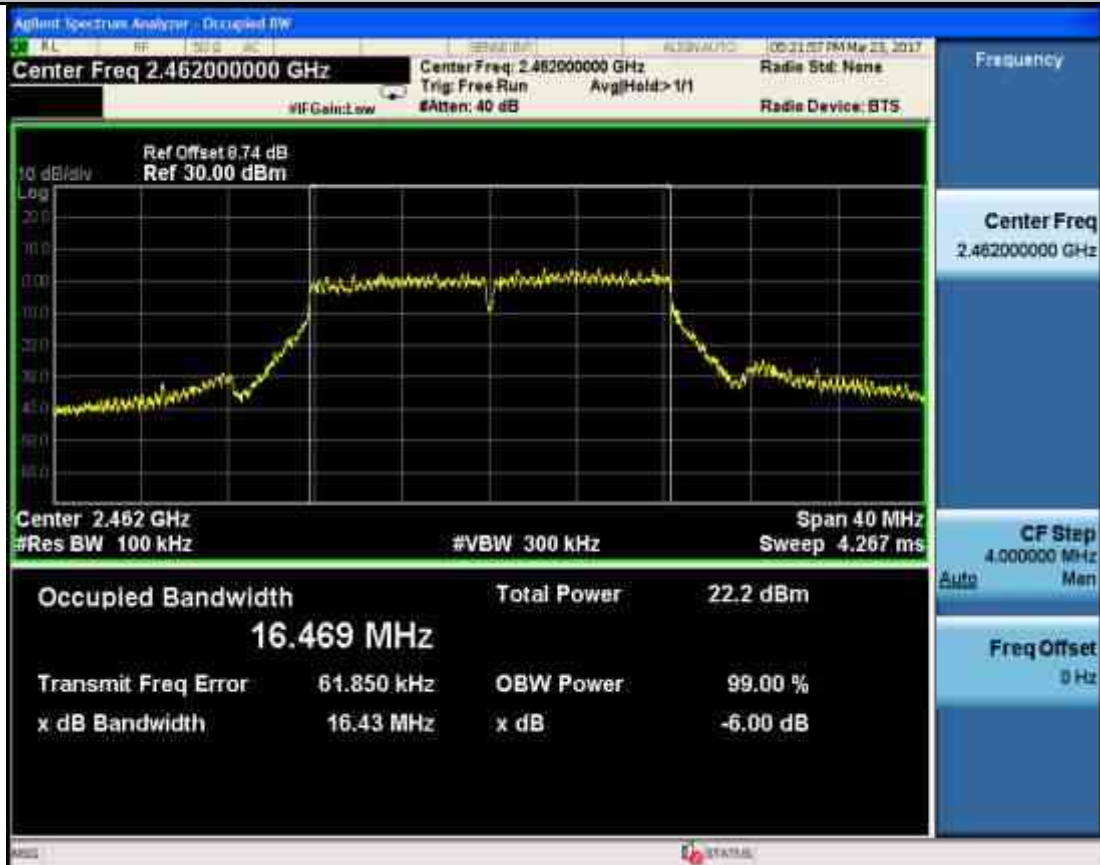
6dB Bandwidth_11G_2412_Ant1



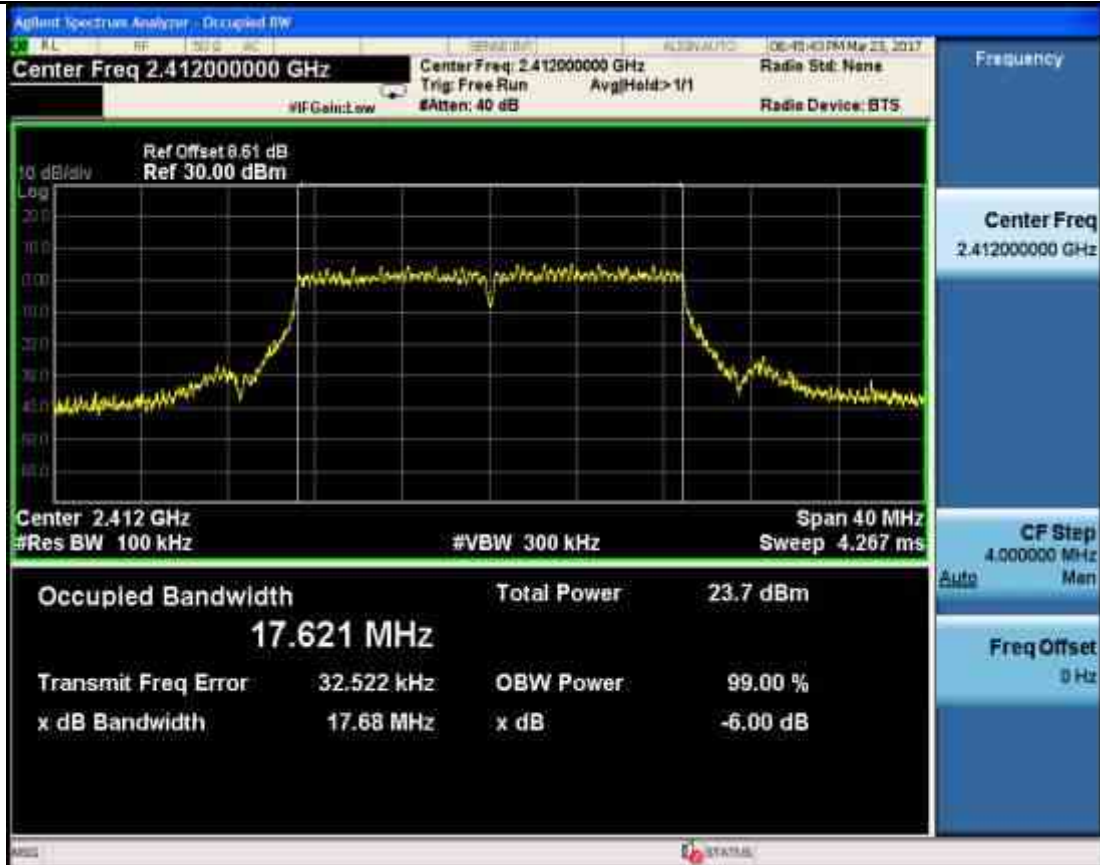
6dB Bandwidth_11G_2437_Ant1



6dB Bandwidth_11G_2462_Ant1



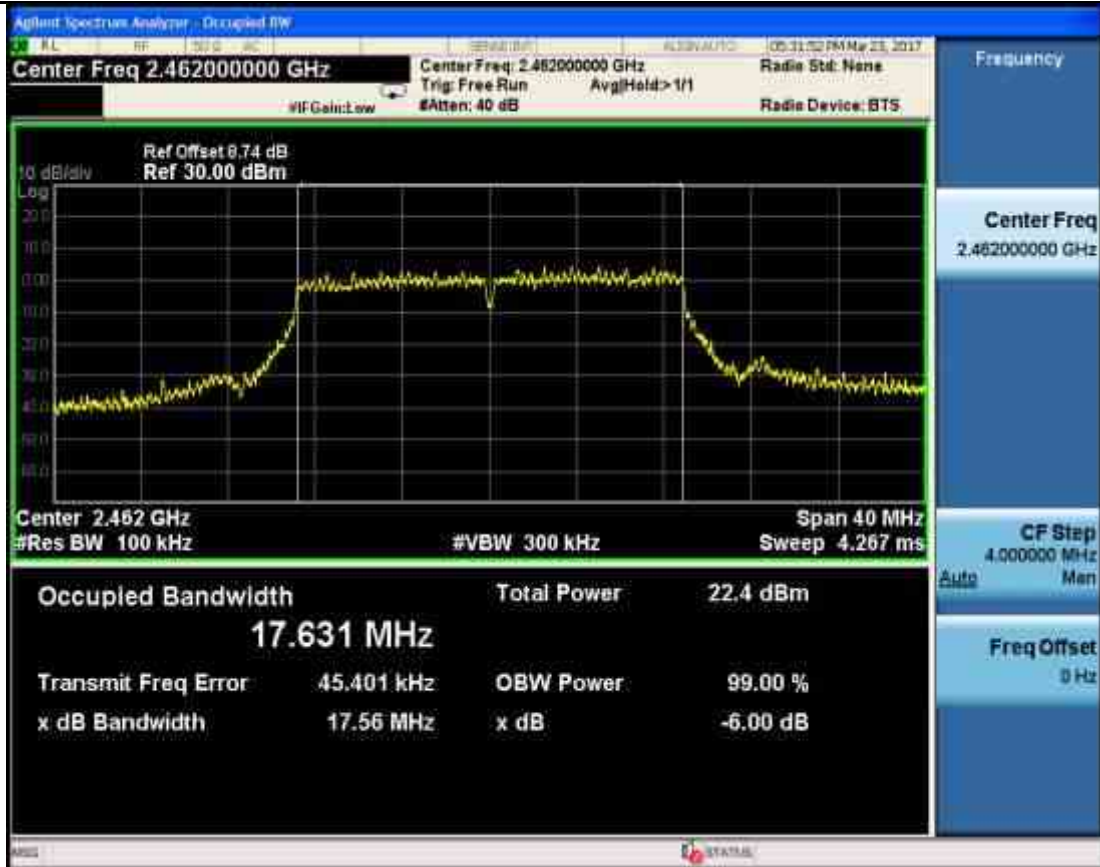
6dB Bandwidth_11N20SISO_2412_Ant1



6dB Bandwidth_11N20SISO_2437_Ant1



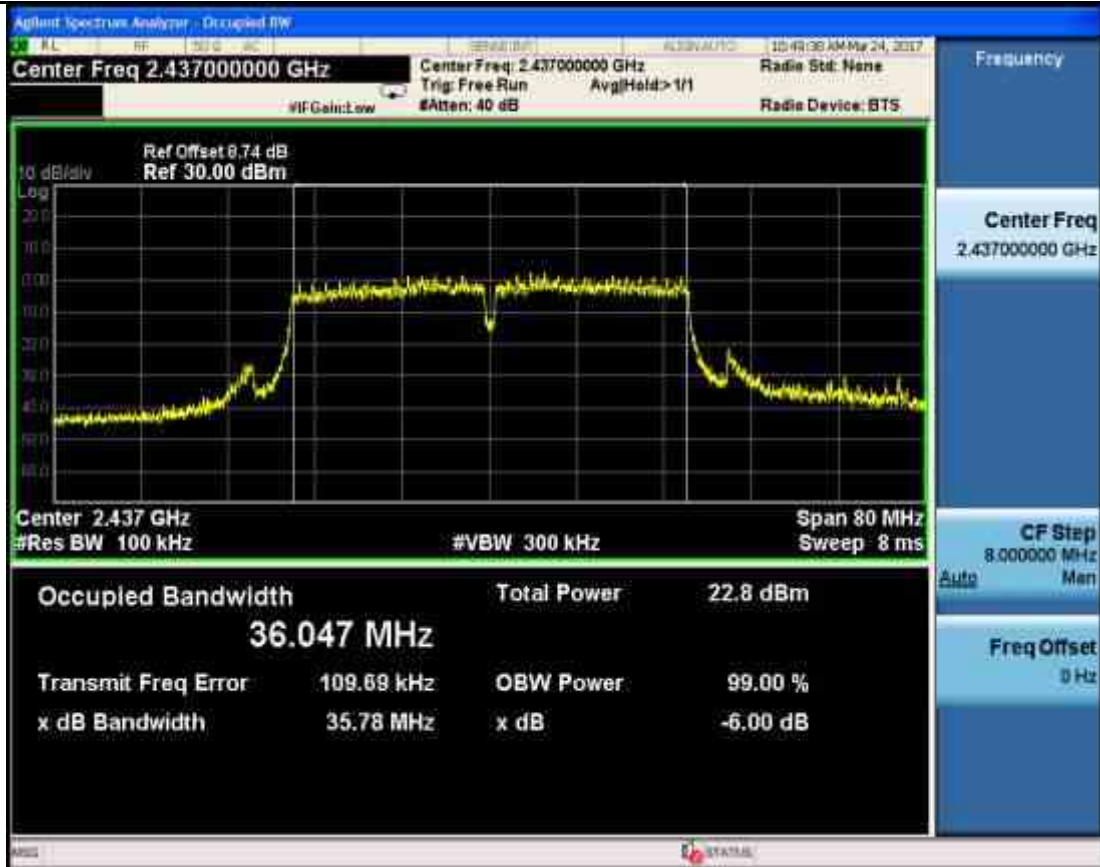
6dB Bandwidth_11N20SISO_2462_Ant1



6dB Bandwidth_11N40SISO_2422_Ant1



6dB Bandwidth_11N40SISO_2437_Ant1



6dB Bandwidth_11N40SISO_2452_Ant1



TEST PLOT

6dB Bandwidth_11G_2412_Ant2



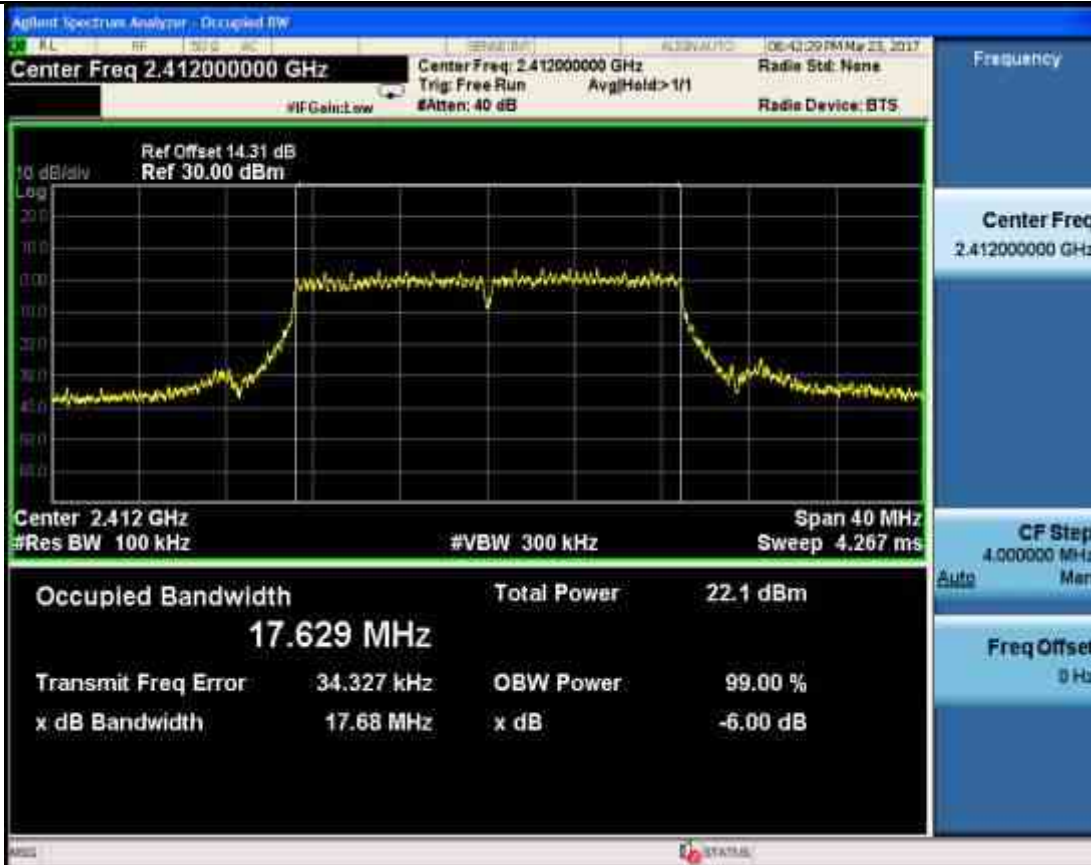
6dB Bandwidth_11G_2437_Ant2



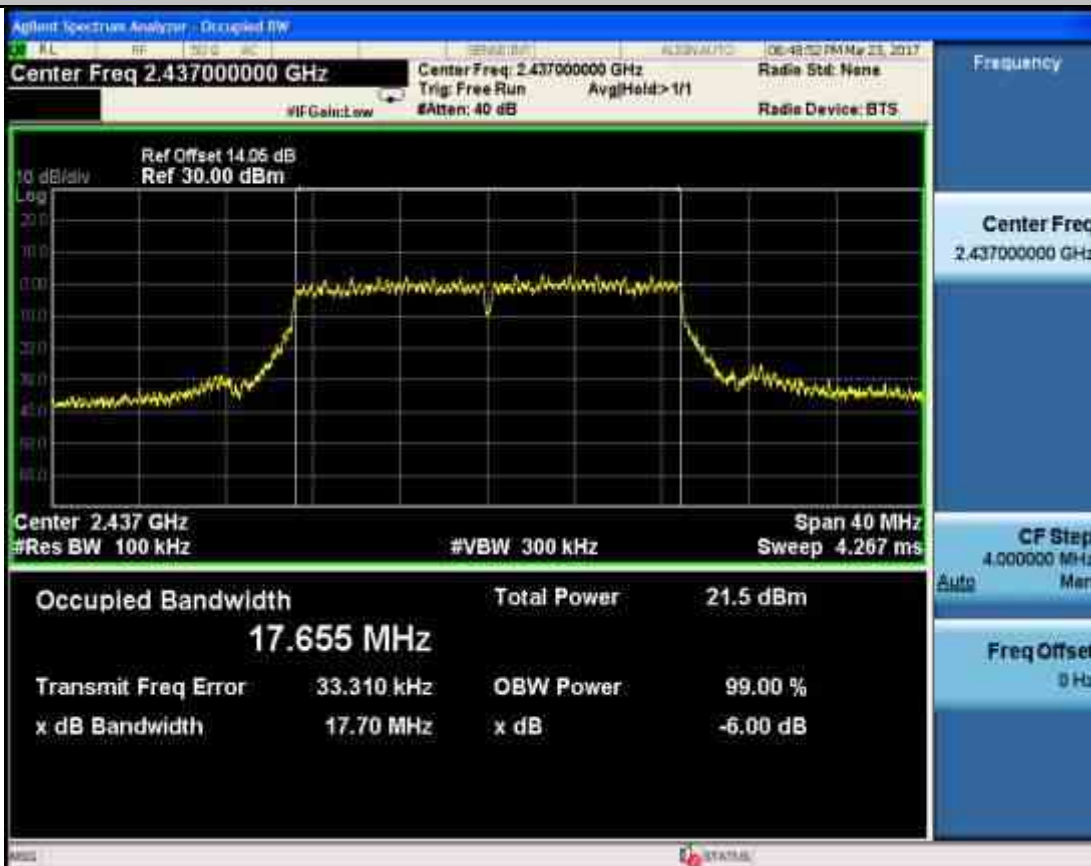
6dB Bandwidth_11G_2462_Ant2



6dB Bandwidth_11N20SISO_2412_Ant2



6dB Bandwidth_11N20SISO_2437_Ant2



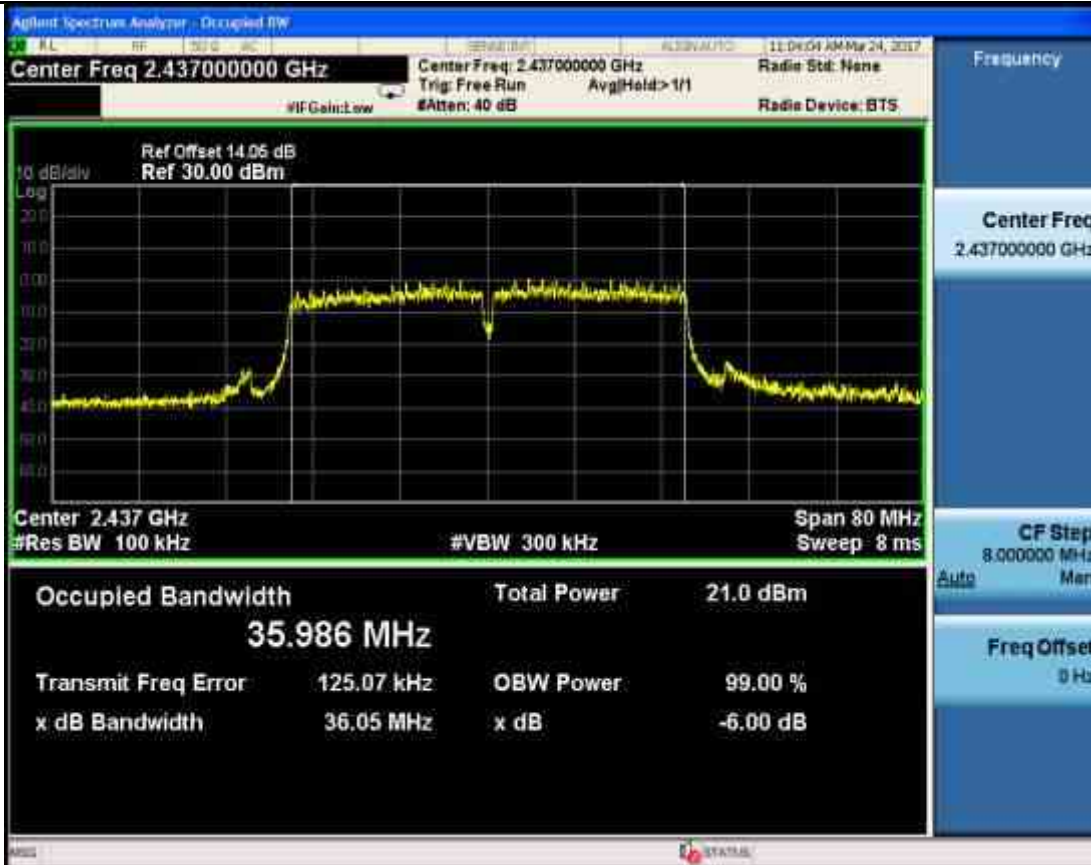
6dB Bandwidth_11N20SISO_2462_Ant2



6dB Bandwidth_11N40SISO_2422_Ant2



6dB Bandwidth_11N40SISO_2437_Ant2



6dB Bandwidth_11N40SISO_2452_Ant2



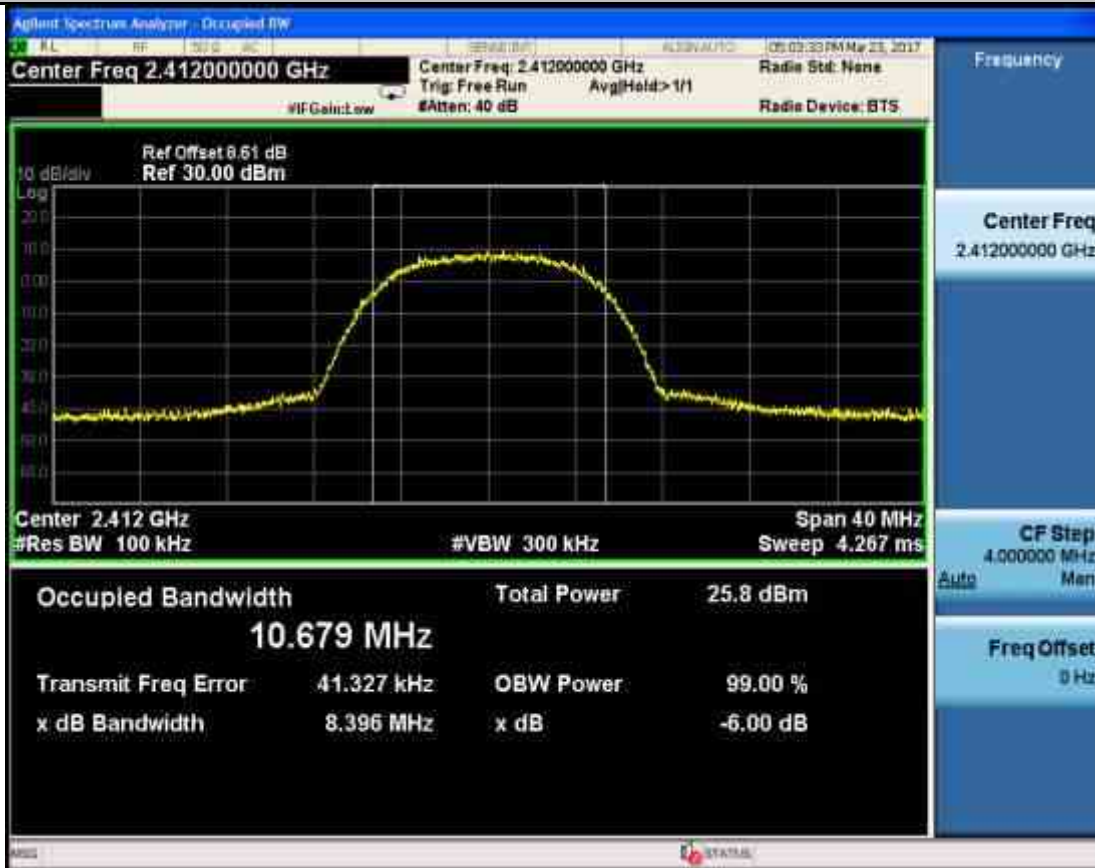
2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	10.679	---	PASS
11B	2437	Ant1	10.667	---	PASS
11B	2462	Ant1	10.689	---	PASS
11G	2412	Ant1	16.470	---	PASS
11G	2437	Ant1	16.461	---	PASS
11G	2462	Ant1	16.468	---	PASS
11N20SISO	2412	Ant1	17.656	---	PASS
11N20SISO	2437	Ant1	17.648	---	PASS
11N20SISO	2462	Ant1	17.630	---	PASS
11N40SISO	2422	Ant1	35.912	---	PASS
11N40SISO	2437	Ant1	36.022	---	PASS
11N40SISO	2452	Ant1	36.054	---	PASS

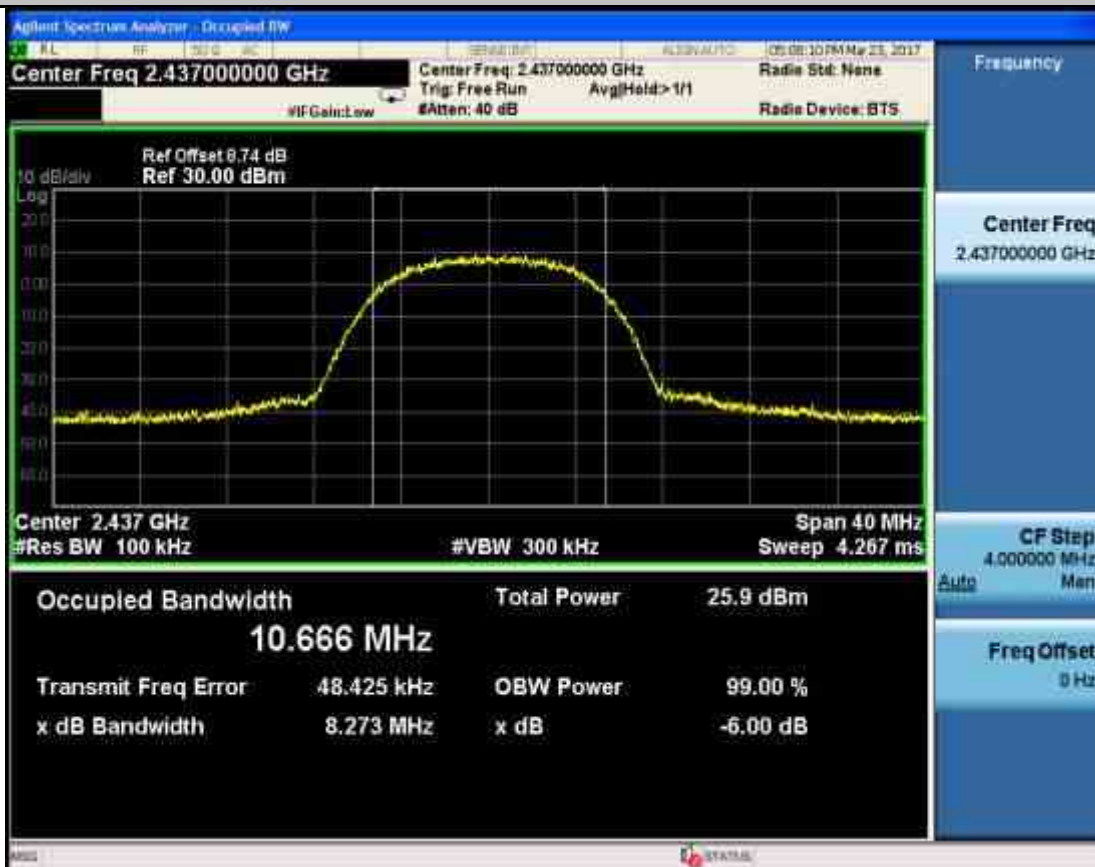
Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11G	2412	Ant2	16.460	---	PASS
11G	2437	Ant2	16.465	---	PASS
11G	2462	Ant2	16.476	---	PASS
11N20SISO	2412	Ant2	17.661	---	PASS
11N20SISO	2437	Ant2	17.642	---	PASS
11N20SISO	2462	Ant2	17.647	---	PASS
11N40SISO	2422	Ant2	35.941	---	PASS
11N40SISO	2437	Ant2	36.044	---	PASS
11N40SISO	2452	Ant2	36.063	---	PASS

TEST PLOT

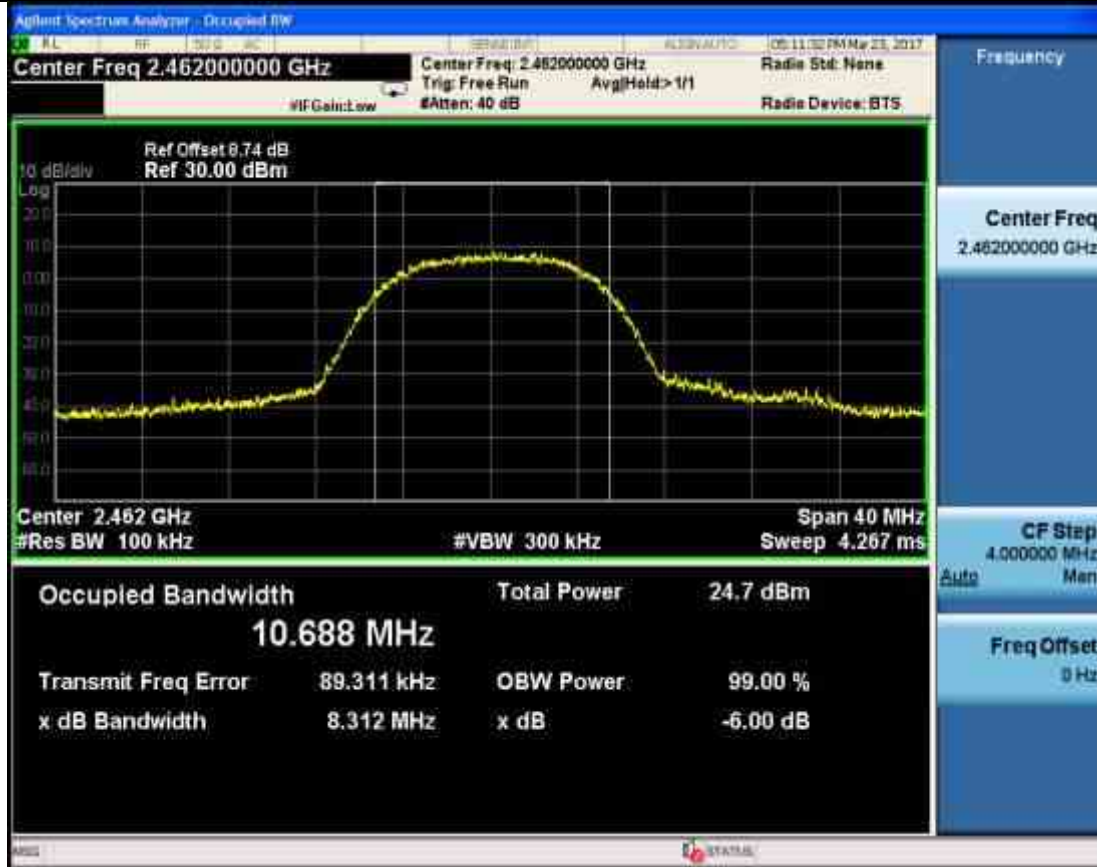
Occupied Bandwidth_11B_2412_Ant1



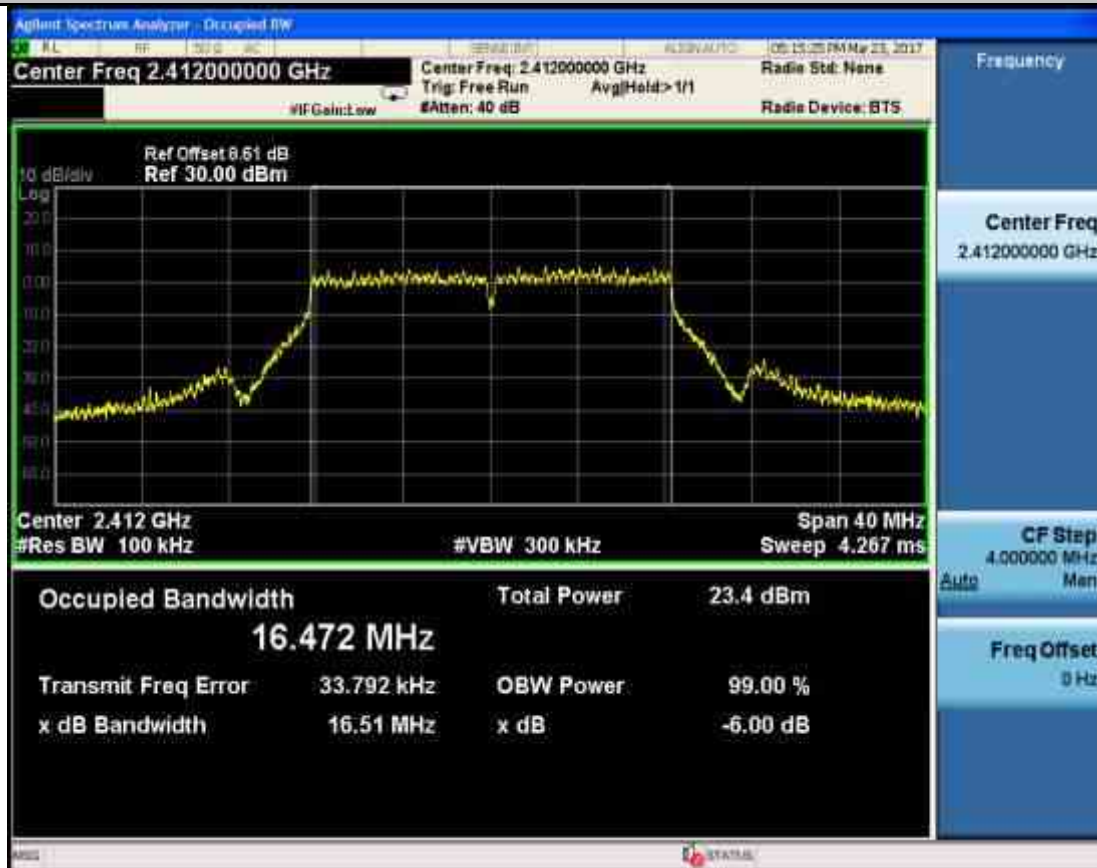
Occupied Bandwidth_11B_2437_Ant1



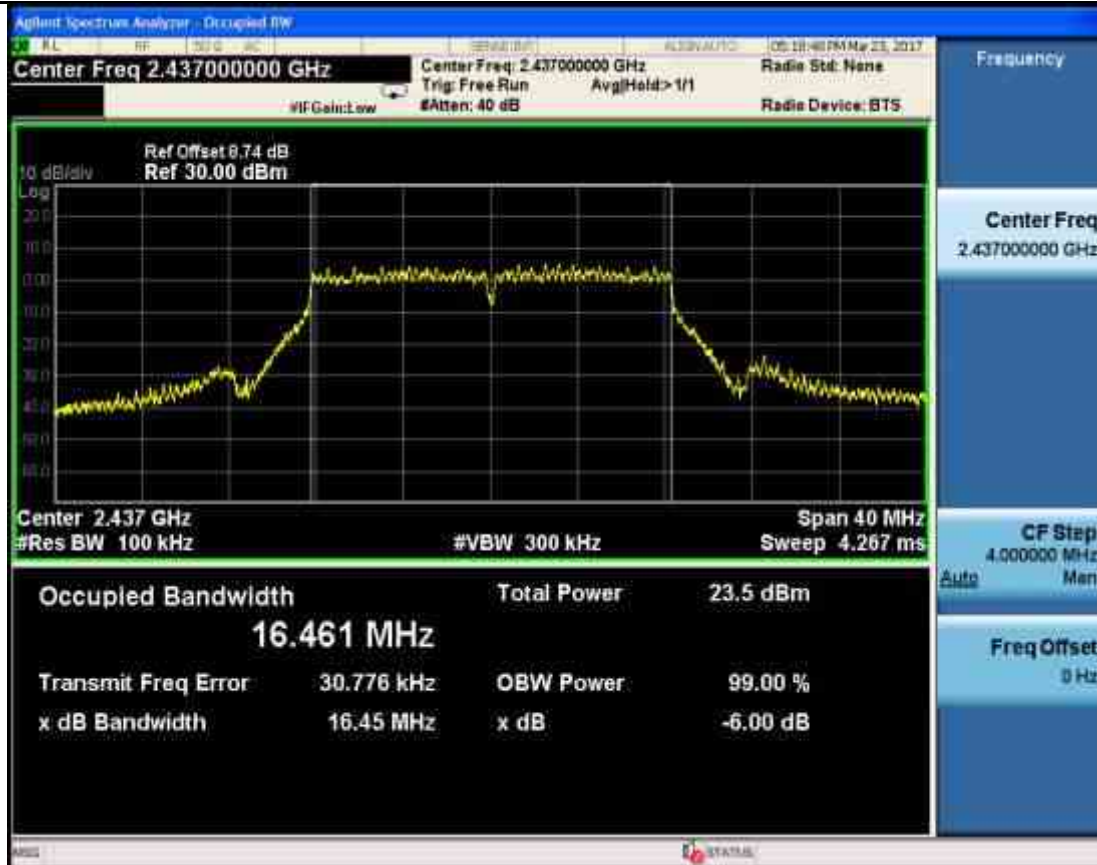
Occupied Bandwidth_11B_2462_Ant1



Occupied Bandwidth_11G_2412_Ant1



Occupied Bandwidth_11G_2437_Ant1



Occupied Bandwidth_11G_2462_Ant1



Occupied Bandwidth_11N20SISO_2412_Ant1



Occupied Bandwidth_11N20SISO_2437_Ant1



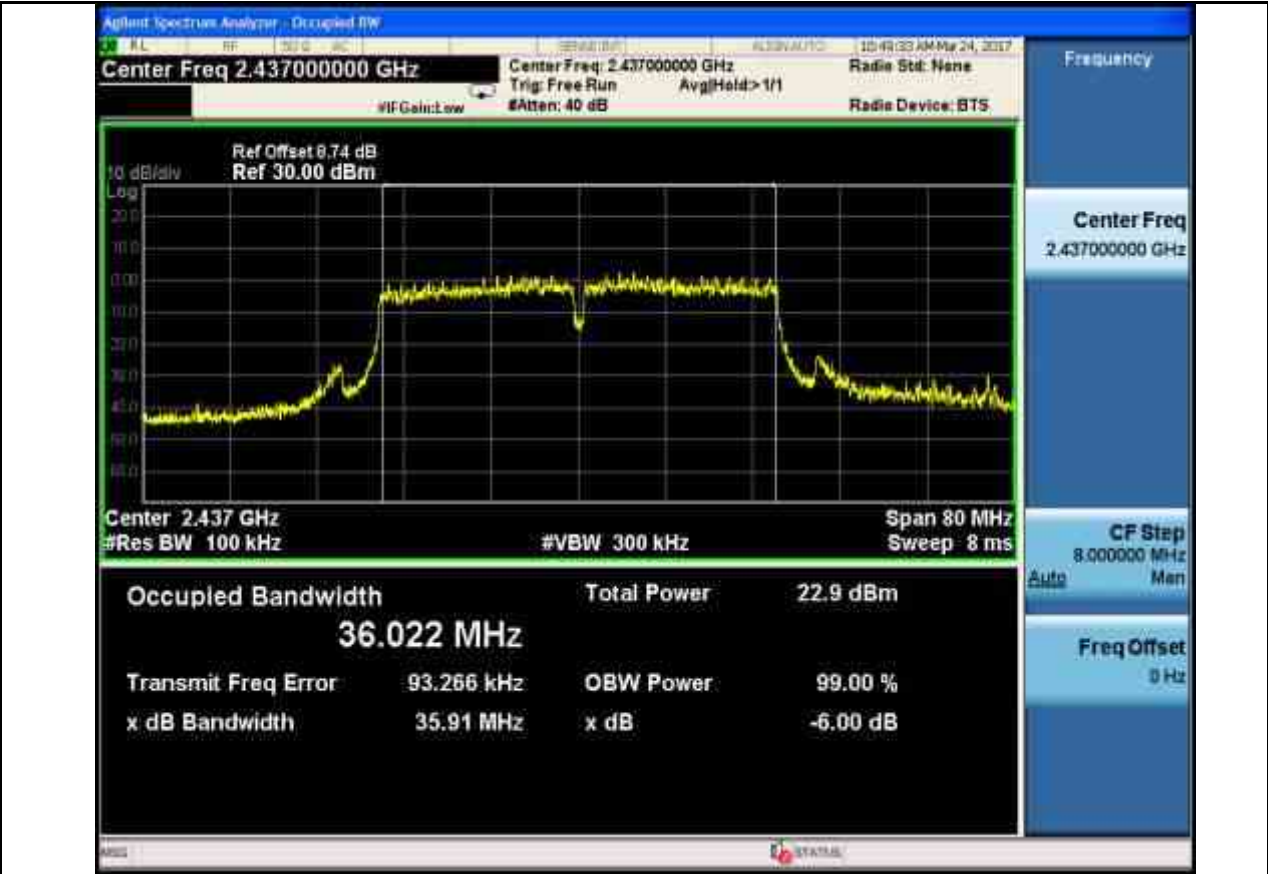
Occupied Bandwidth_11N20SISO_2462_Ant1



Occupied Bandwidth_11N40SISO_2422_Ant1



Occupied Bandwidth_11N40SISO_2437_Ant1



Occupied Bandwidth_11N40SISO_2452_Ant1



TEST PLOT

Occupied Bandwidth_11G_2412_Ant2



Occupied Bandwidth_11G_2437_Ant2



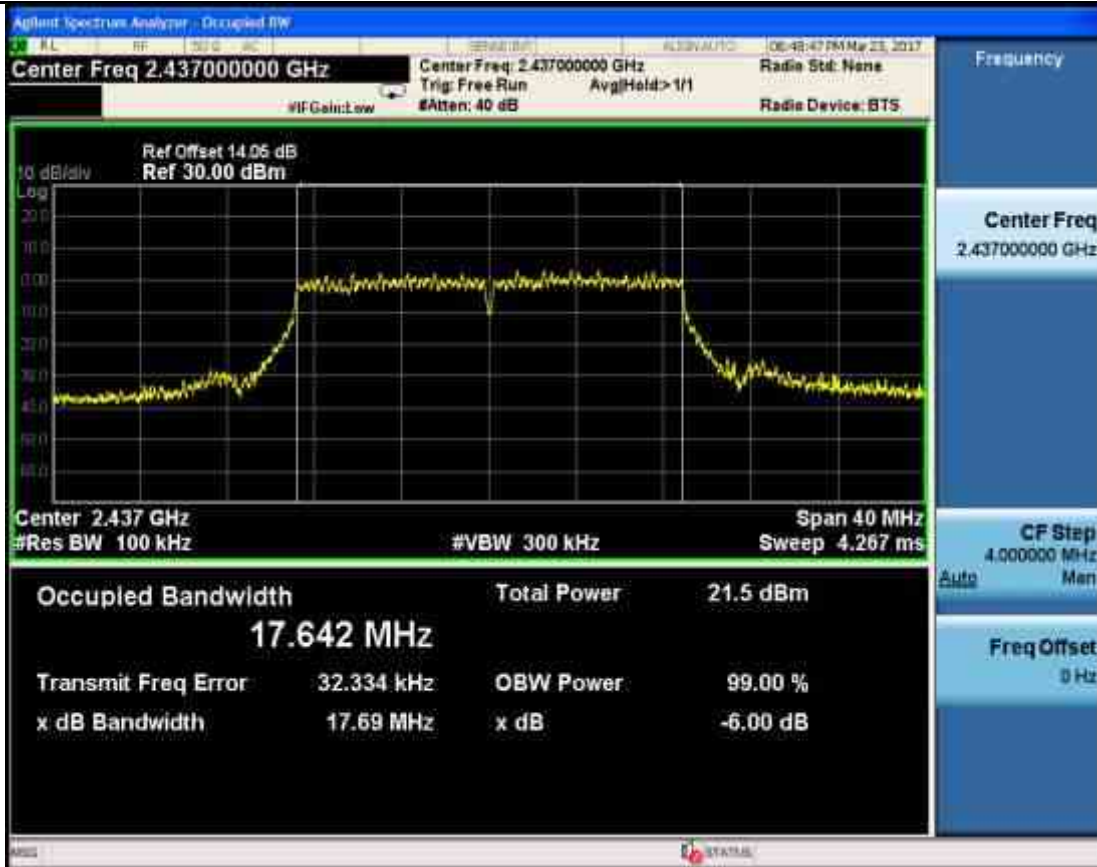
Occupied Bandwidth_11G_2462_Ant2



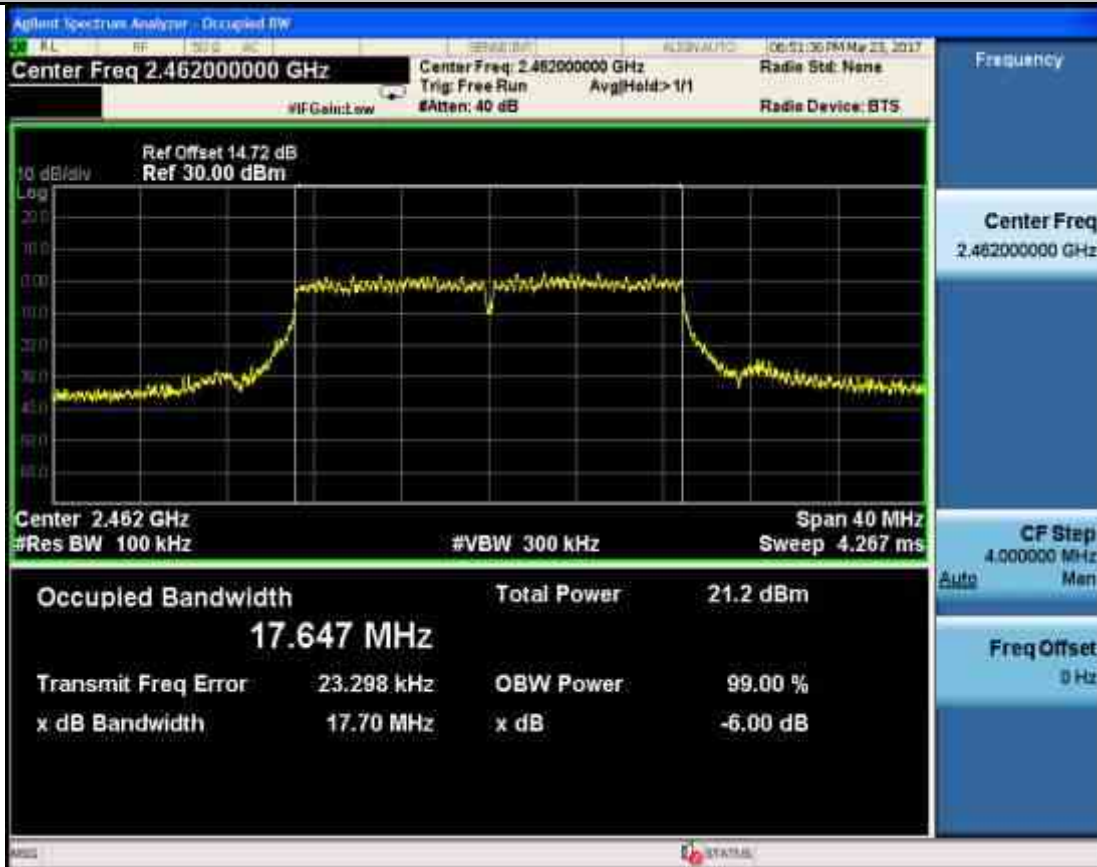
Occupied Bandwidth_11N20SISO_2412_Ant2



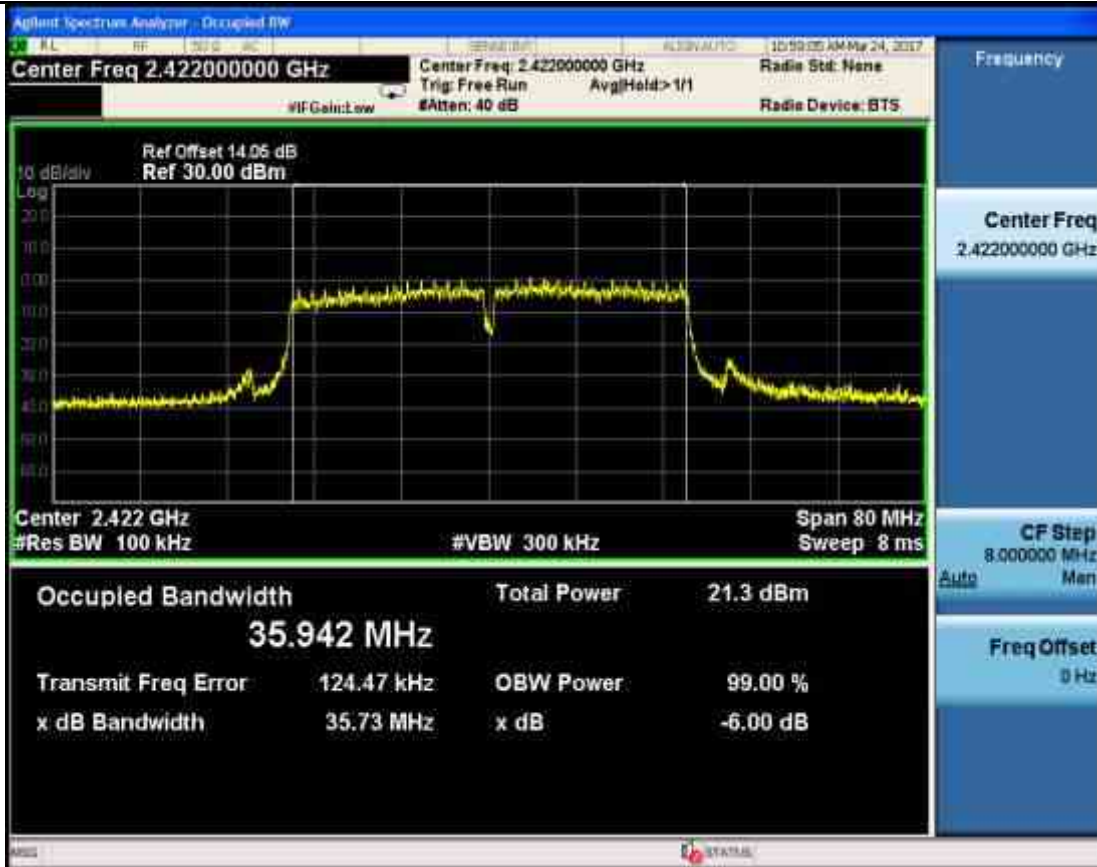
Occupied Bandwidth_11N20SISO_2437_Ant2



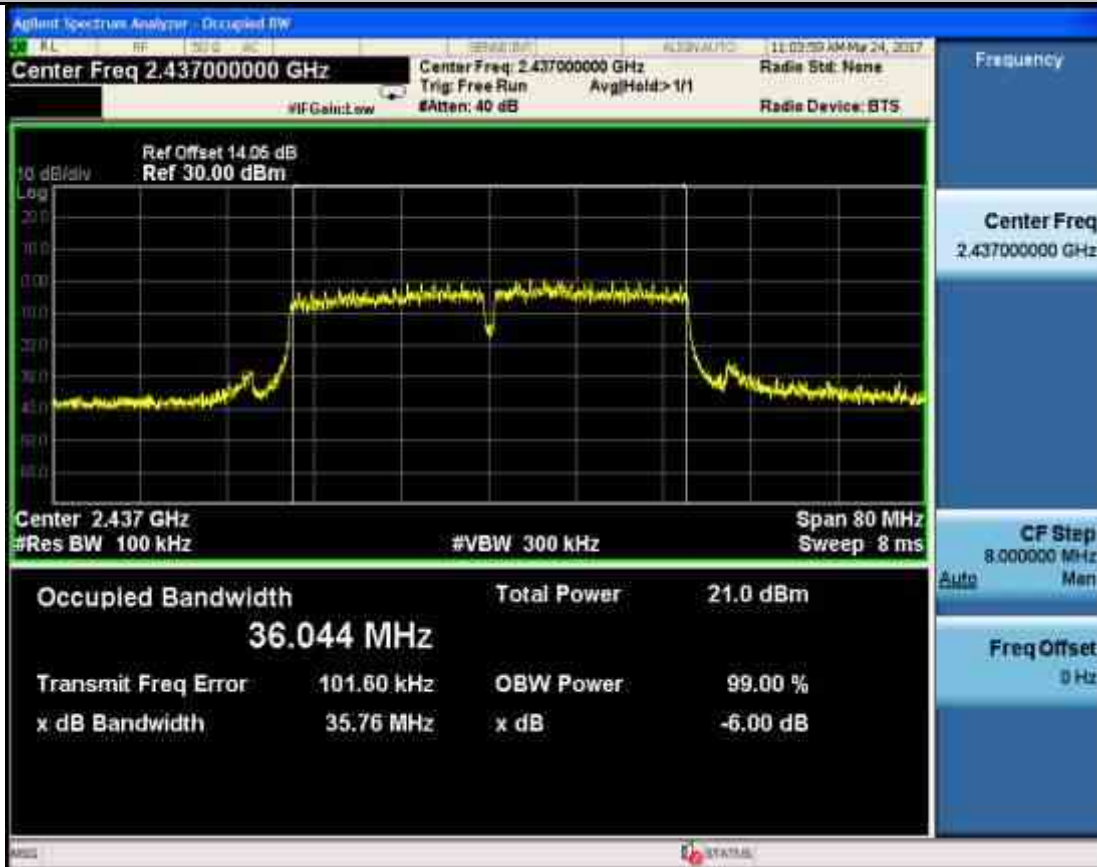
Occupied Bandwidth_11N20SISO_2462_Ant2



Occupied Bandwidth_11N40SISO_2422_Ant2



Occupied Bandwidth_11N40SISO_2437_Ant2



Occupied Bandwidth_11N40SISO_2452_Ant2



3. Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
11B	2412	Ant1	24.47	30	PASS
11B	2437	Ant1	24.44	30	PASS
11B	2462	Ant1	23.38	30	PASS
11G	2412	Ant1	24.19	30	PASS
11G	2437	Ant1	24.25	30	PASS
11G	2462	Ant1	22.97	30	PASS
11N20SISO	2412	Ant1	24.45	30	PASS
11N20SISO	2437	Ant1	24.31	30	PASS
11N20SISO	2462	Ant1	23.18	30	PASS
11N40SISO	2422	Ant1	24.3	30	PASS
11N40SISO	2437	Ant1	23.7	30	PASS
11N40SISO	2452	Ant1	23.37	30	PASS

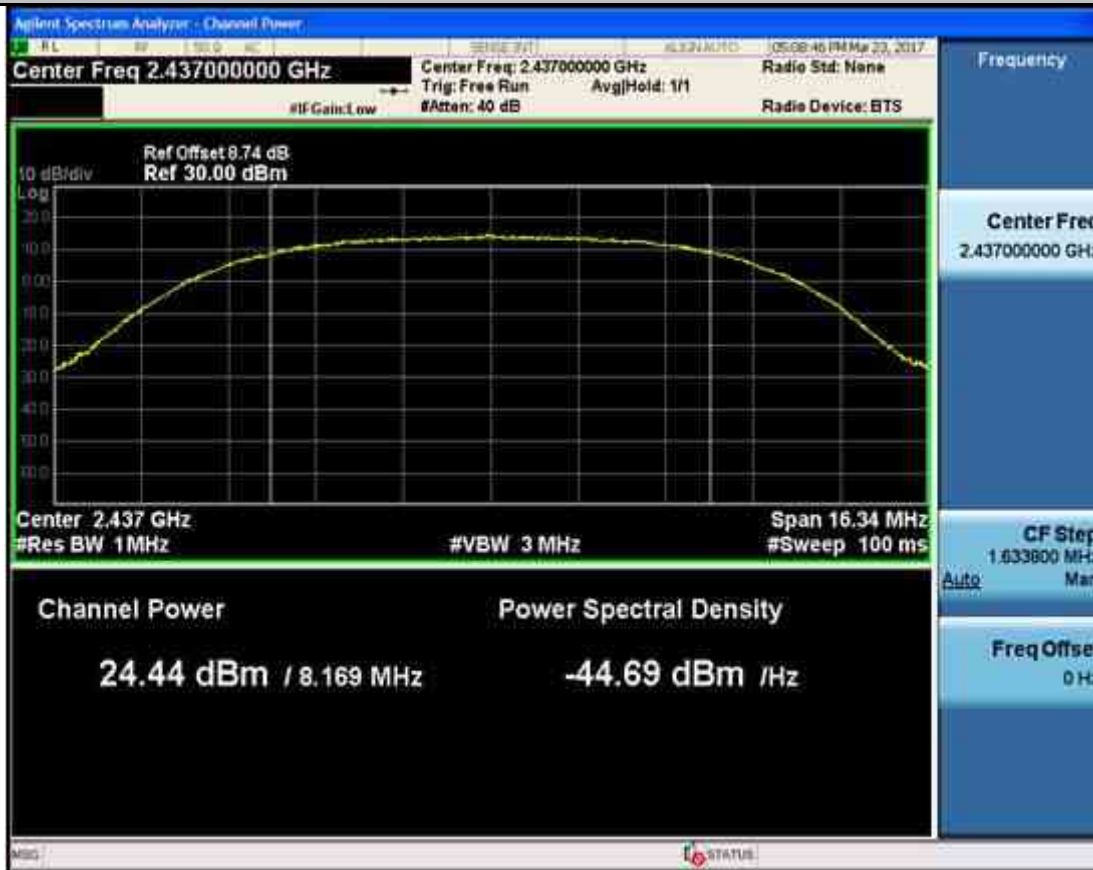
Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
11G	2412	Ant2	22.68	30	PASS
11G	2437	Ant2	21.98	30	PASS
11G	2462	Ant2	21.66	30	PASS
11N20SISO	2412	Ant2	22.9	30	PASS
11N20SISO	2437	Ant2	22.22	30	PASS
11N20SISO	2462	Ant2	21.85	30	PASS
11N40SISO	2422	Ant2	22.29	30	PASS
11N40SISO	2437	Ant2	21.9	30	PASS
11N40SISO	2452	Ant2	21.92	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



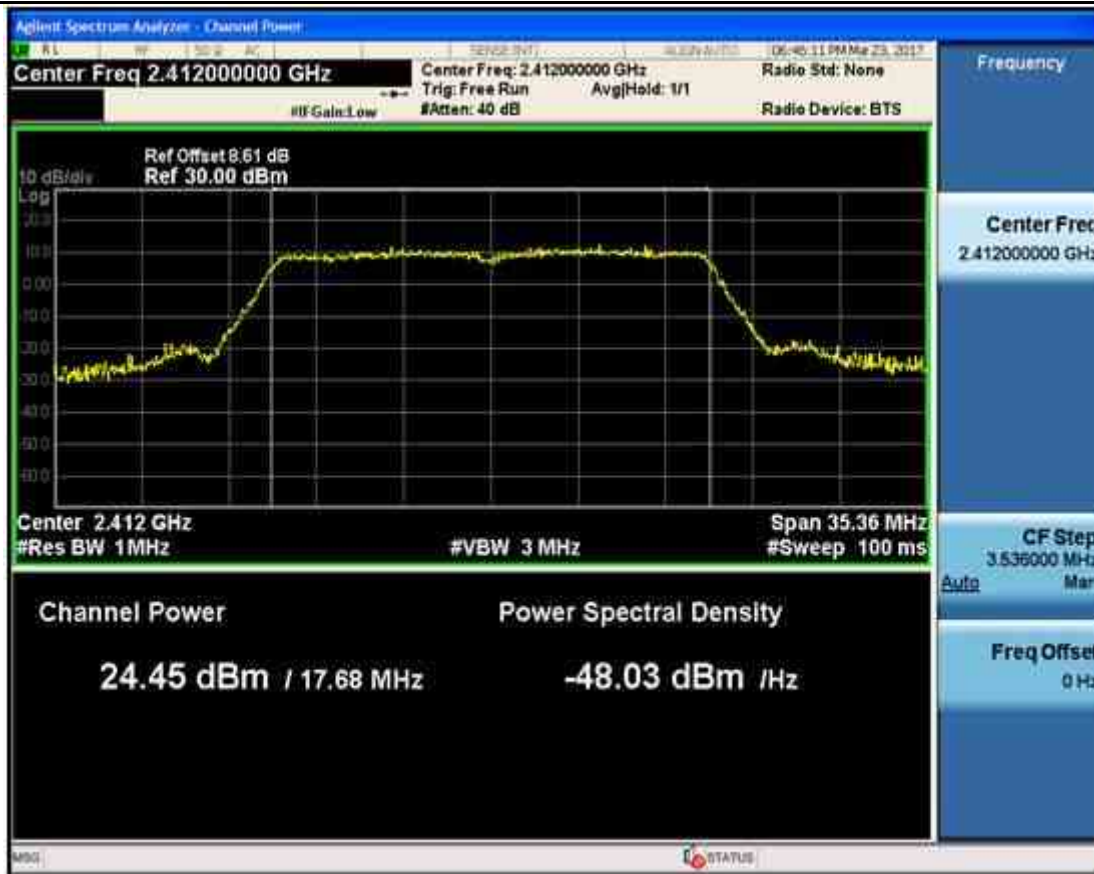
Maximum peak conducted output power_11G_2437_Ant1



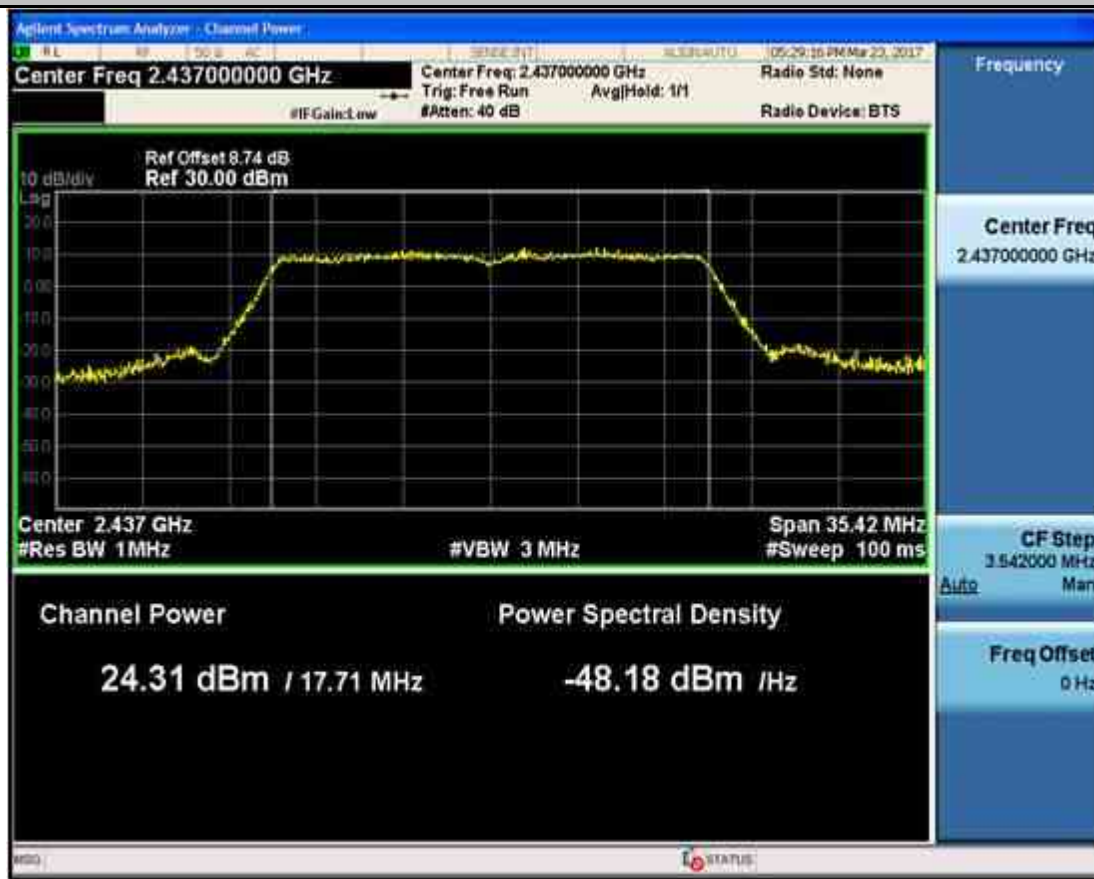
Maximum peak conducted output power_11G_2462_Ant1



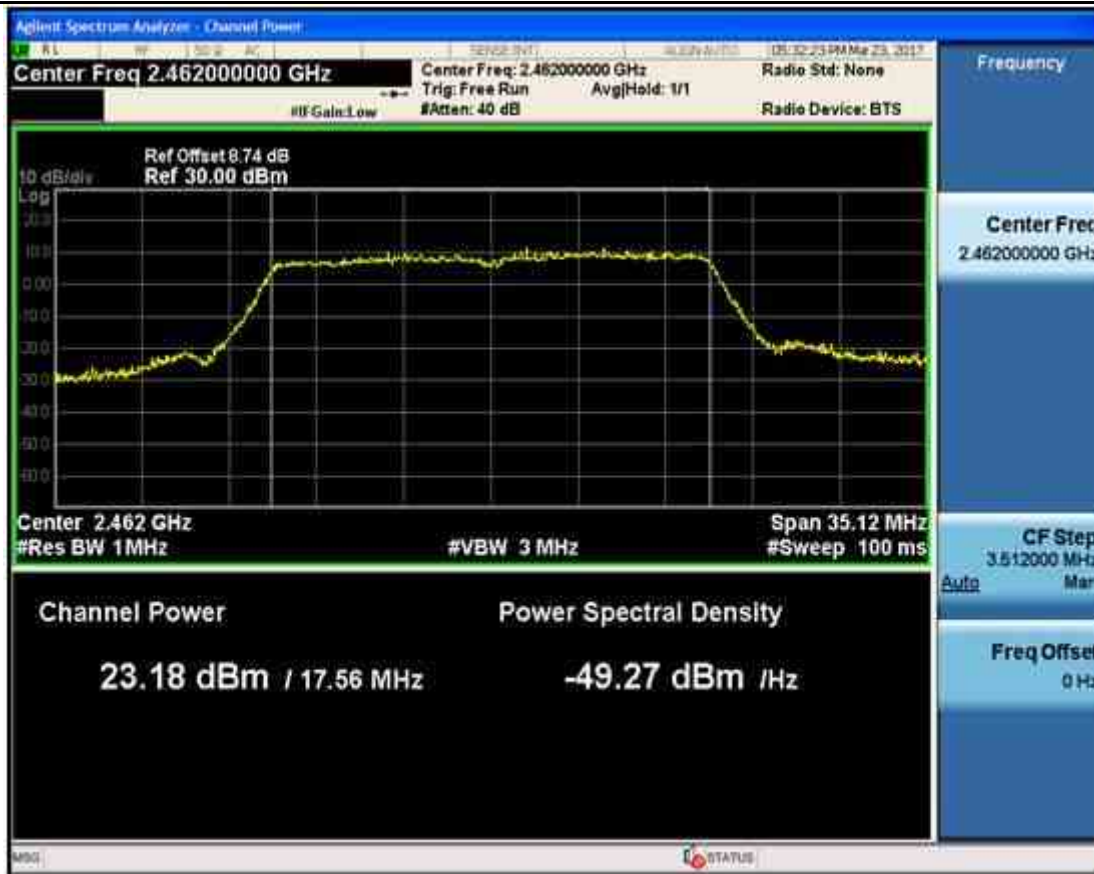
Maximum peak conducted output power_11N20SISO_2412_Ant1



Maximum peak conducted output power_11N20SISO_2437_Ant1



Maximum peak conducted output power_11N20SISO_2462_Ant1



Maximum peak conducted output power_11N40ISO_2422_Ant1



Maximum peak conducted output power_11N40ISO_2437_Ant1



Maximum peak conducted output power_11N40ISO_2452_Ant1



TEST PLOT

Maximum peak conducted output power_11G_2412_Ant2



Maximum peak conducted output power_11G_2437_Ant2



Maximum peak conducted output power_11G_2462_Ant2



Maximum peak conducted output power_11N20ISO_2412_Ant2



Maximum peak conducted output power_11N20ISO_2437_Ant2



Maximum peak conducted output power_11N20ISO_2462_Ant2



Maximum peak conducted output power_11N40ISO_2422_Ant2



Maximum peak conducted output power_11N40ISO_2437_Ant2



Maximum peak conducted output power_11N40ISO_2452_Ant2



4. Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/MHz]	Limit[dBm/MHz]	Verdict
11B	2412	Ant1	-5.879	8.00	PASS
11B	2437	Ant1	-3.444	8.00	PASS
11B	2462	Ant1	-6.629	8.00	PASS
11G	2412	Ant1	-10.691	8.00	PASS
11G	2437	Ant1	-10.04	8.00	PASS
11G	2462	Ant1	-10.849	8.00	PASS
11N20SISO	2412	Ant1	-9.722	8.00	PASS
11N20SISO	2437	Ant1	-10.609	8.00	PASS
11N20SISO	2462	Ant1	-11.698	8.00	PASS
11N40SISO	2422	Ant1	-13.056	8.00	PASS
11N40SISO	2437	Ant1	-14.586	8.00	PASS
11N40SISO	2452	Ant1	-14.666	8.00	PASS

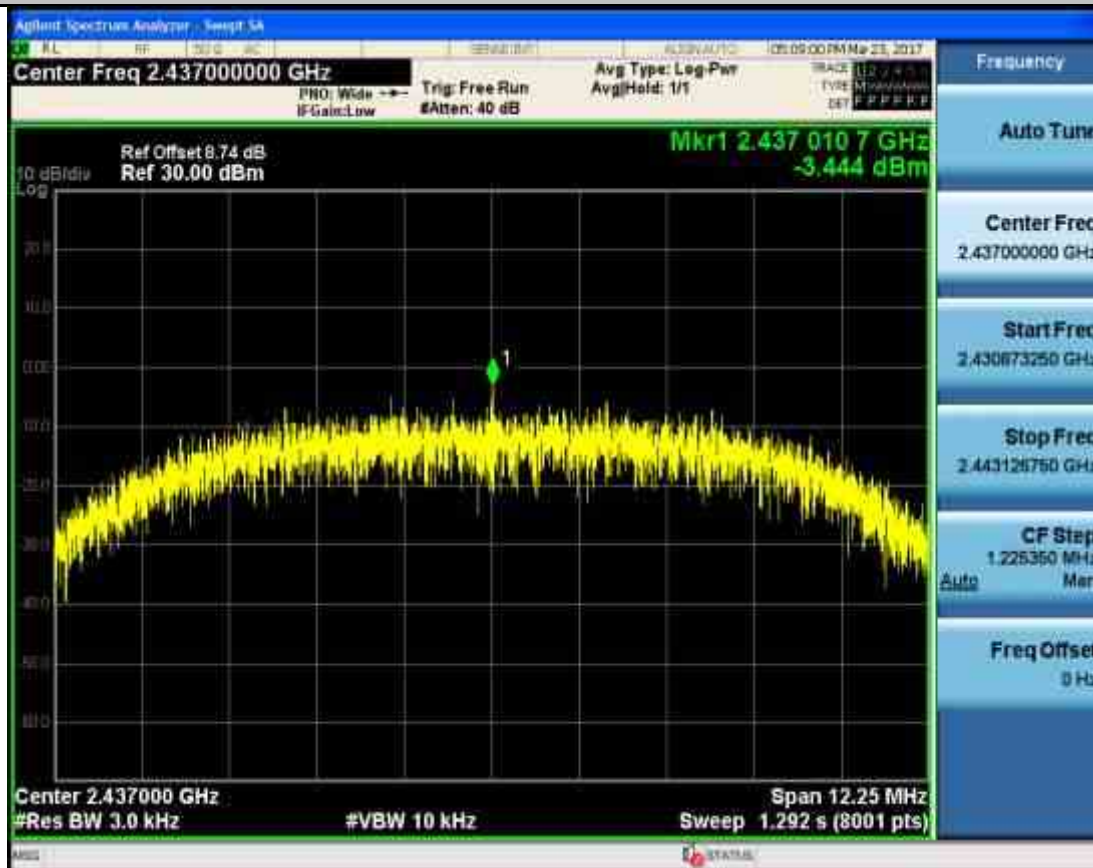
Test Mode	Test Channel	Ant	PSD[dBm/MHz]	Limit[dBm/MHz]	Verdict
11G	2412	Ant2	-12.234	8.00	PASS
11G	2437	Ant2	-11.947	8.00	PASS
11G	2462	Ant2	-12.161	8.00	PASS
11N20SISO	2412	Ant2	-12.284	8.00	PASS
11N20SISO	2437	Ant2	-13.186	8.00	PASS
11N20SISO	2462	Ant2	-12.812	8.00	PASS
11N40SISO	2422	Ant2	-16.001	8.00	PASS
11N40SISO	2437	Ant2	-14.947	8.00	PASS
11N40SISO	2452	Ant2	-16.479	8.00	PASS

TEST PLOT

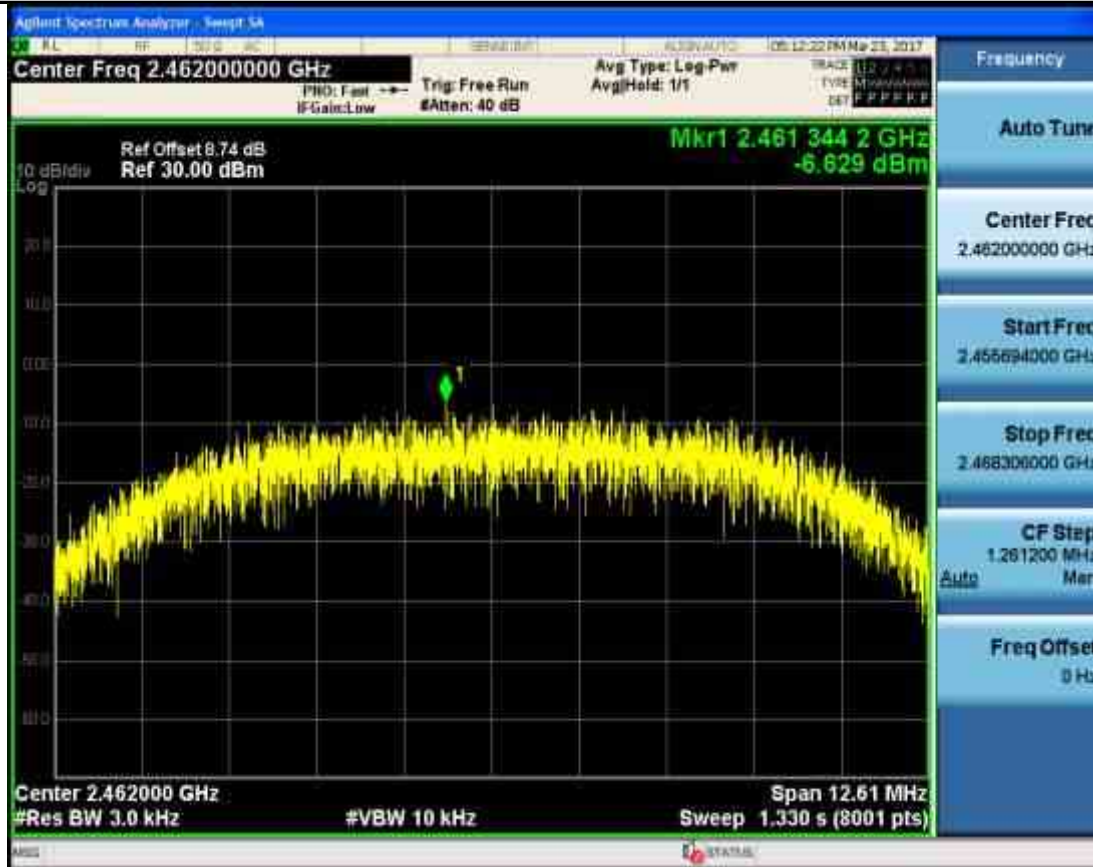
Maximum Peak power spectral density_11B_2412_Ant1



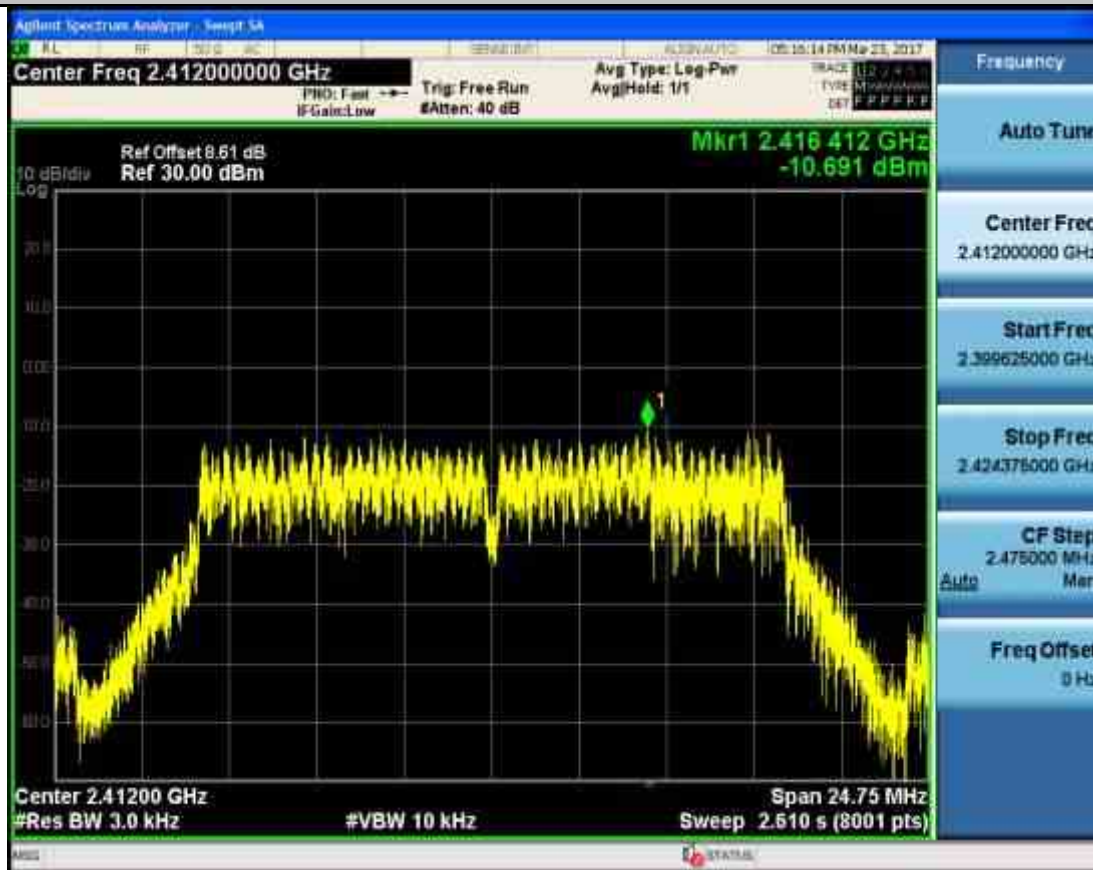
Maximum Peak power spectral density_11B_2437_Ant1



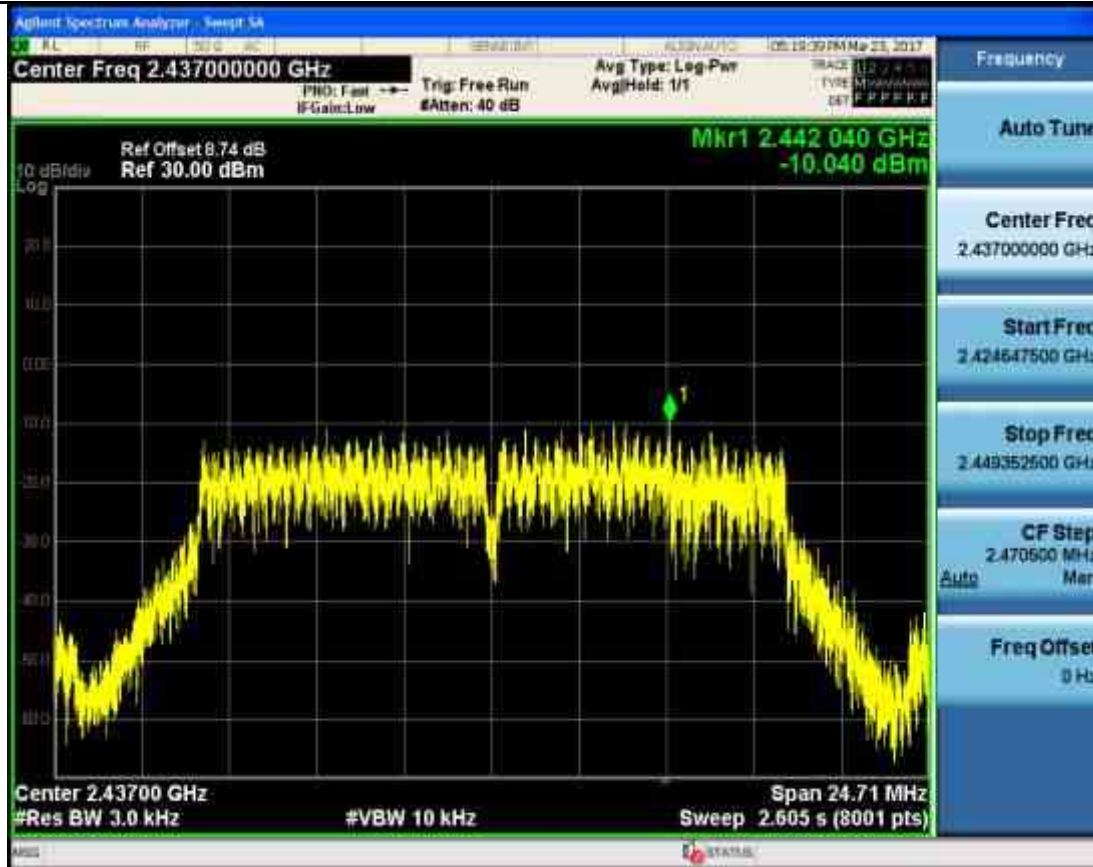
Maximum Peak power spectral density_11B_2462_Ant1



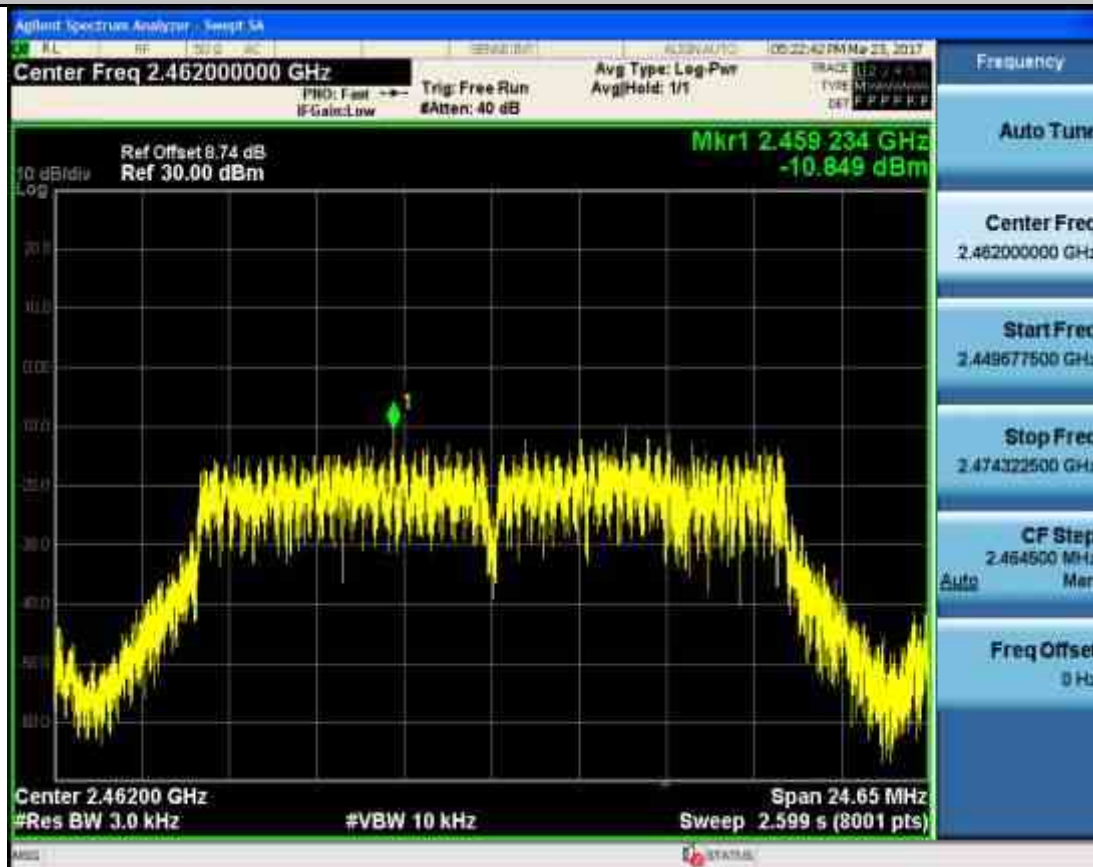
Maximum Peak power spectral density_11G_2412_Ant1



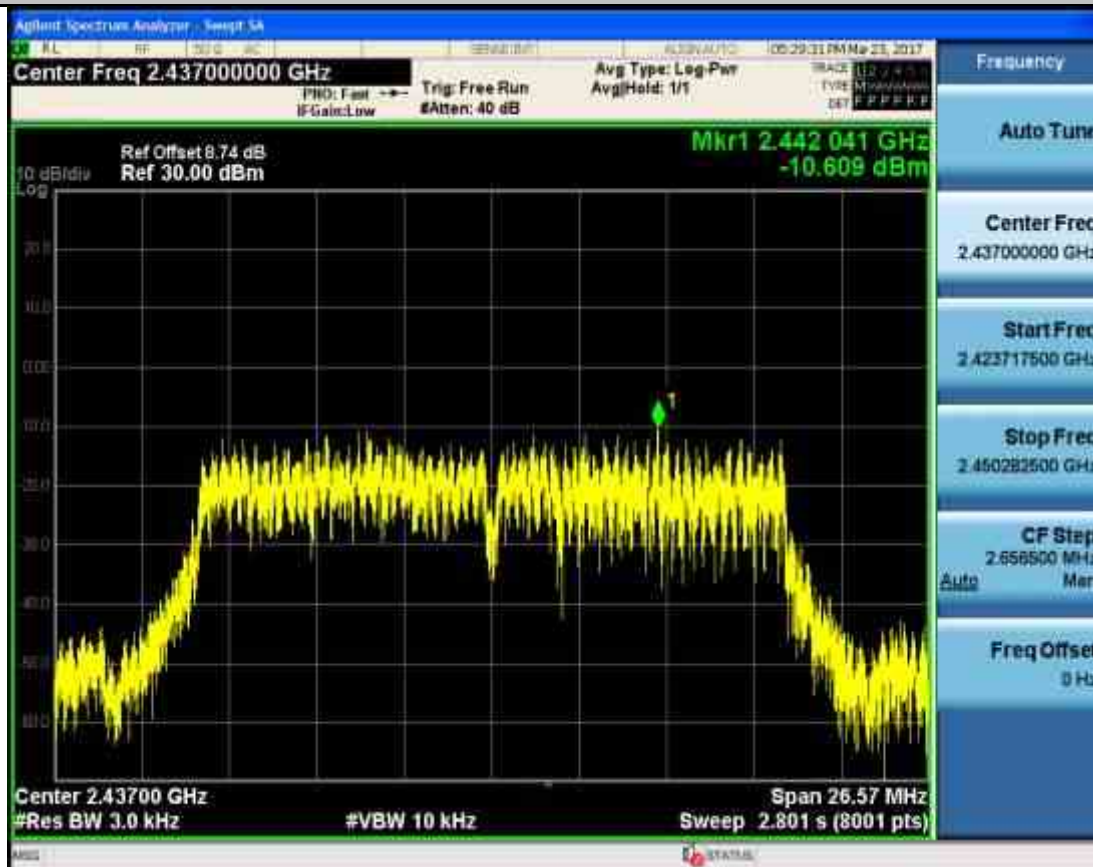
Maximum Peak power spectral density_11G_2437_Ant1

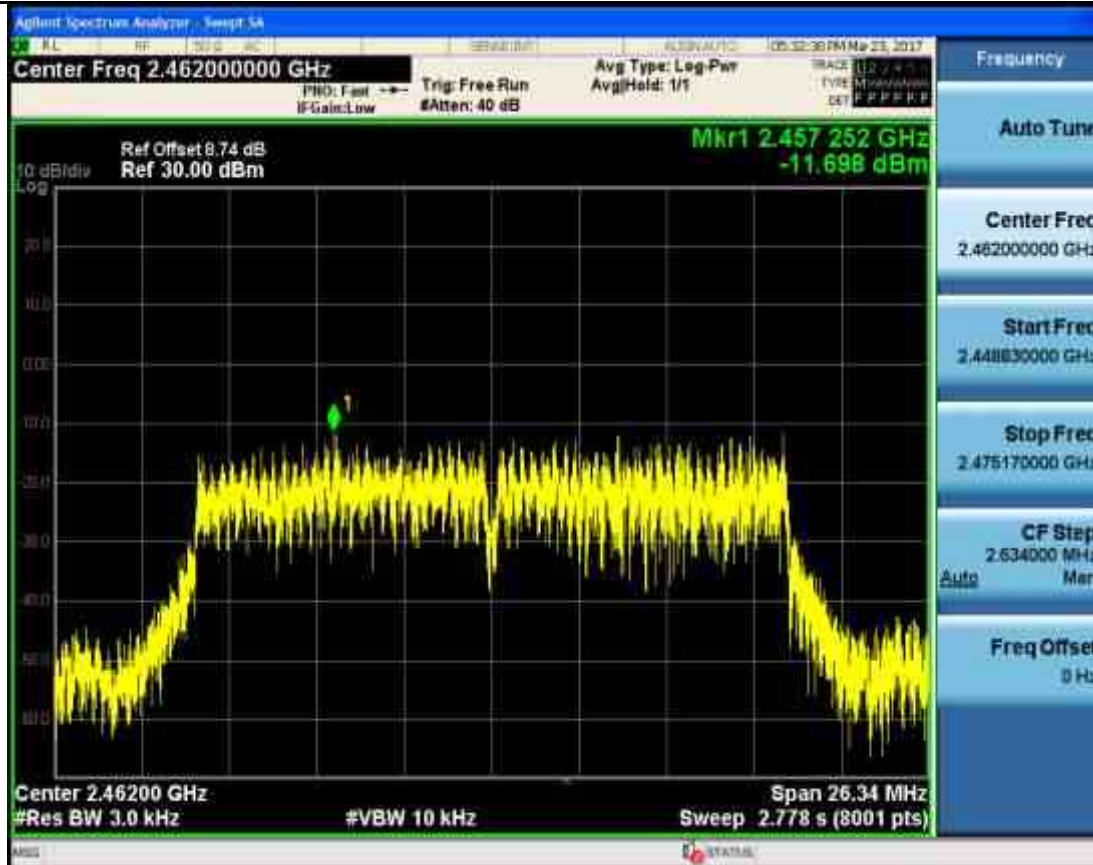


Maximum Peak power spectral density_11G_2462_Ant1

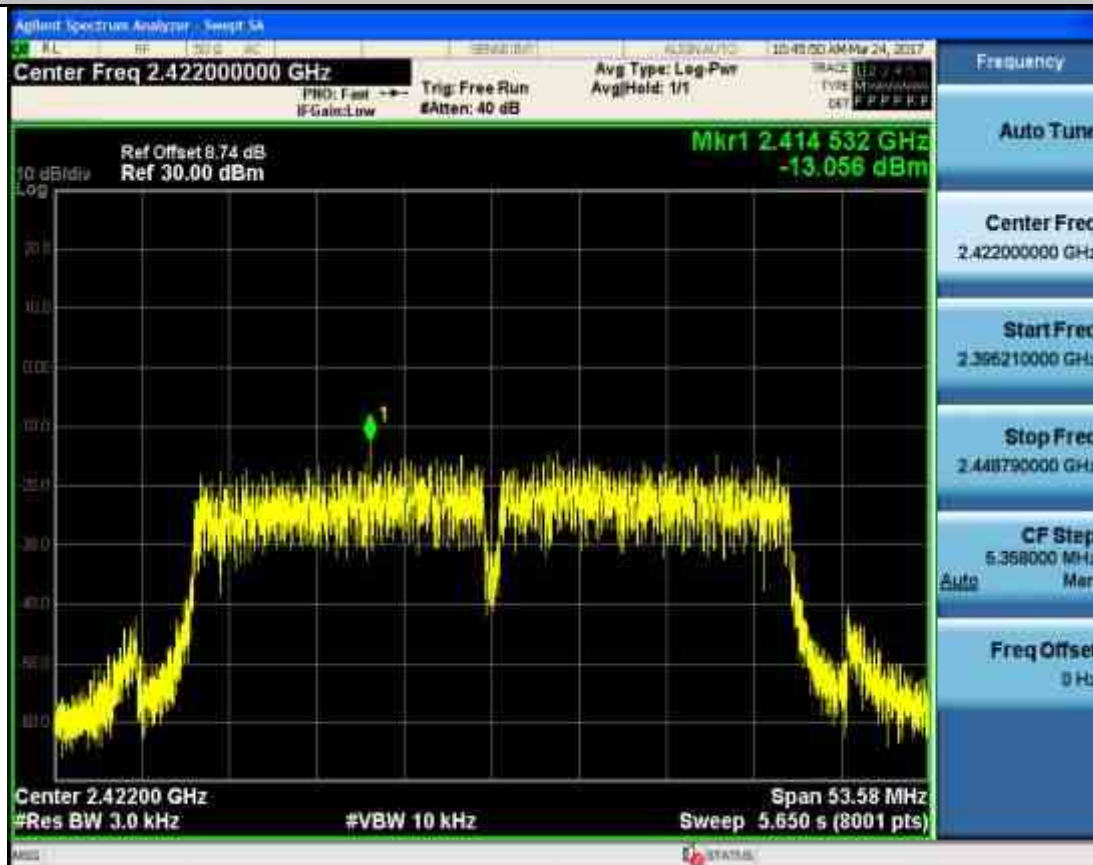


Maximum Peak power spectral density_11N20SISO_2412_Ant1

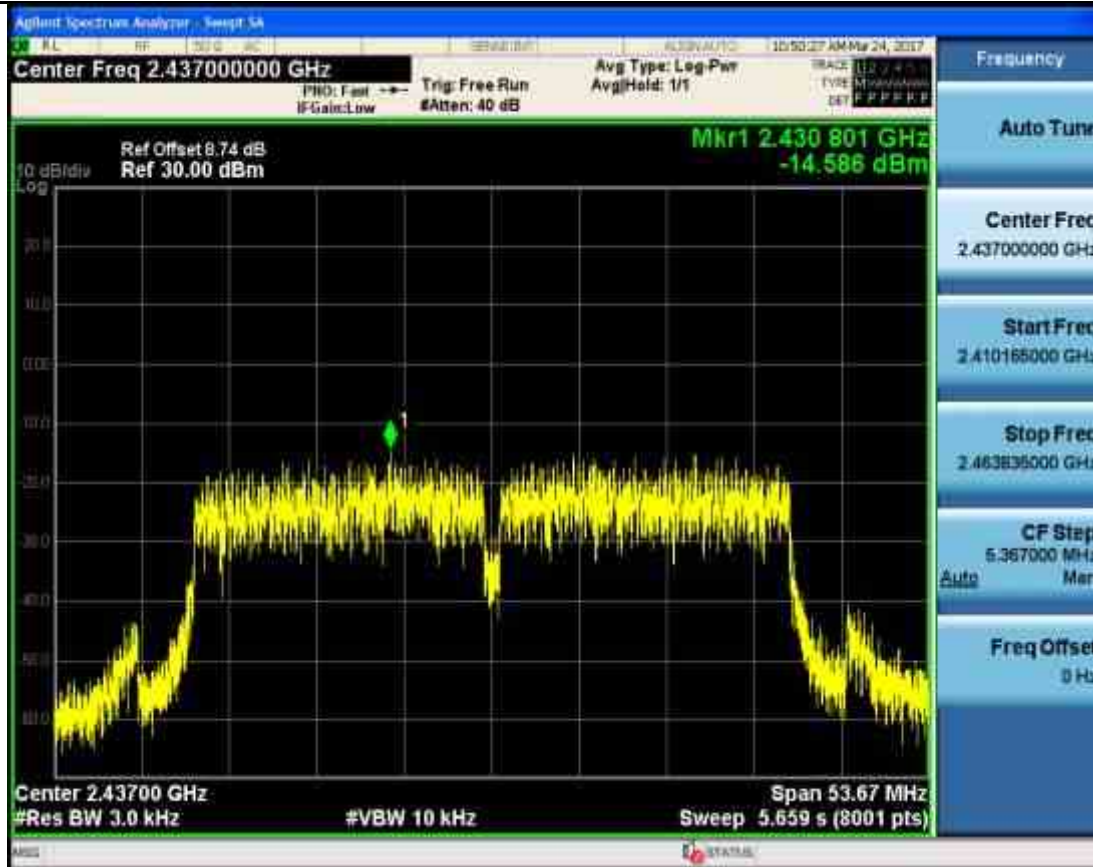




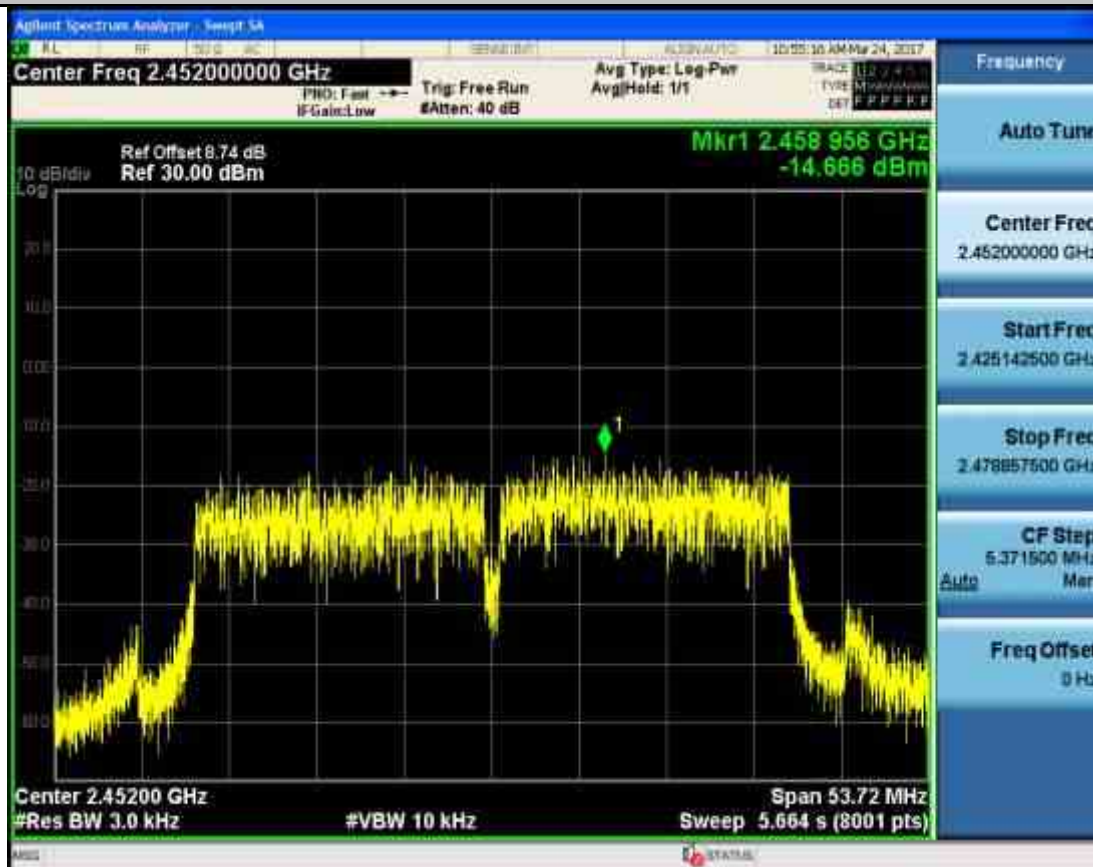
Maximum Peak power spectral density_11N40SISO_2422_Ant1



Maximum Peak power spectral density_11N40SISO_2437_Ant1

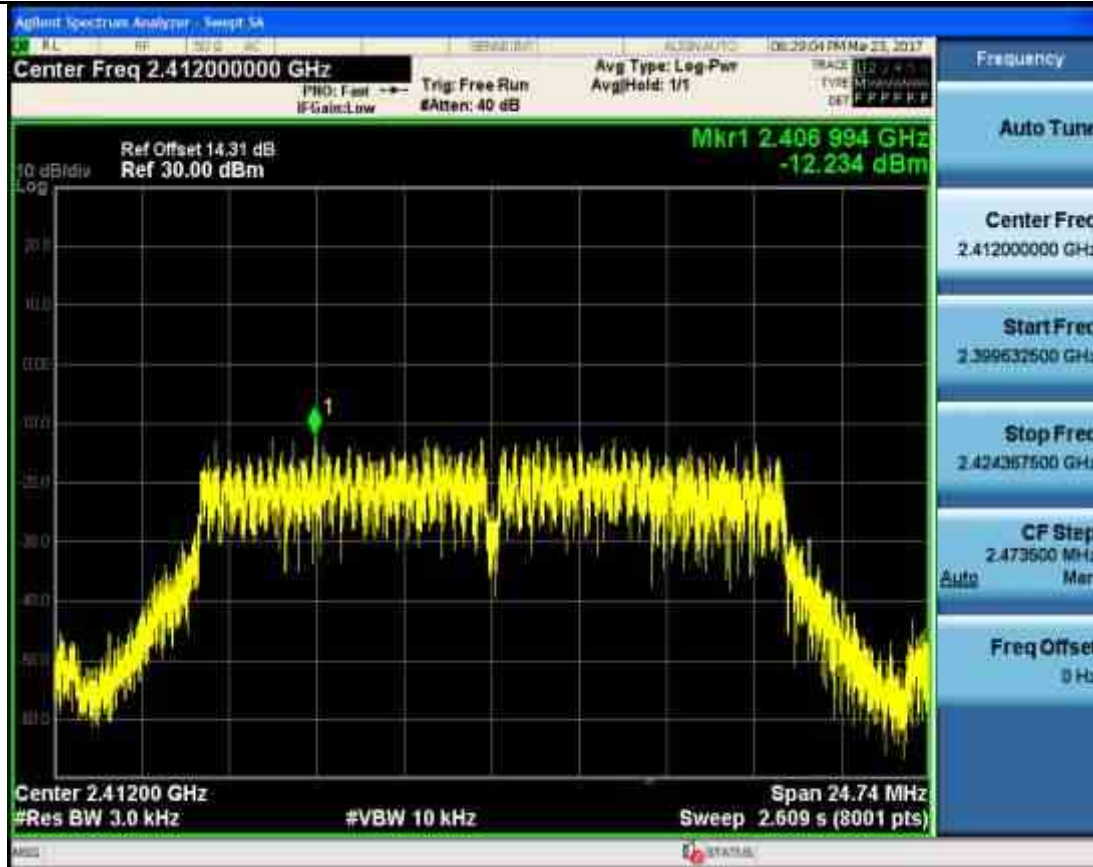


Maximum Peak power spectral density_11N40SISO_2452_Ant1



TEST PLOT

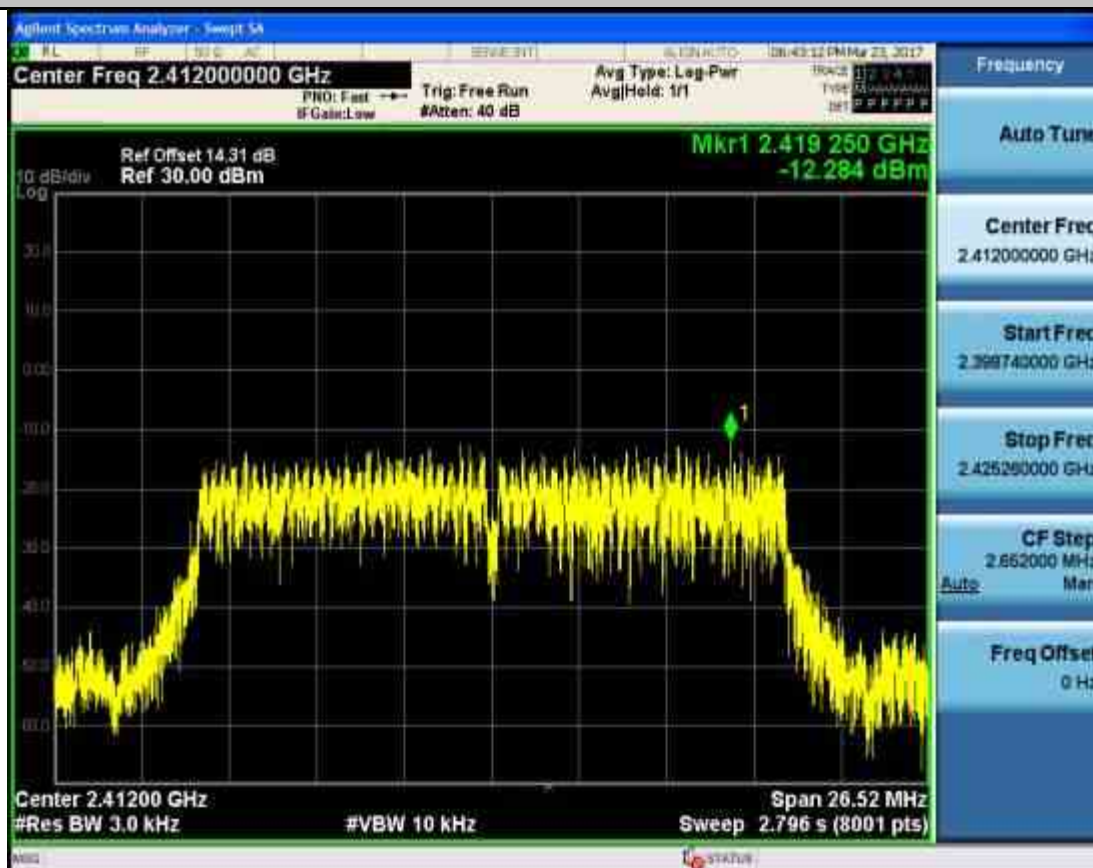
Maximum Peak power spectral density_11G_2412_Ant2

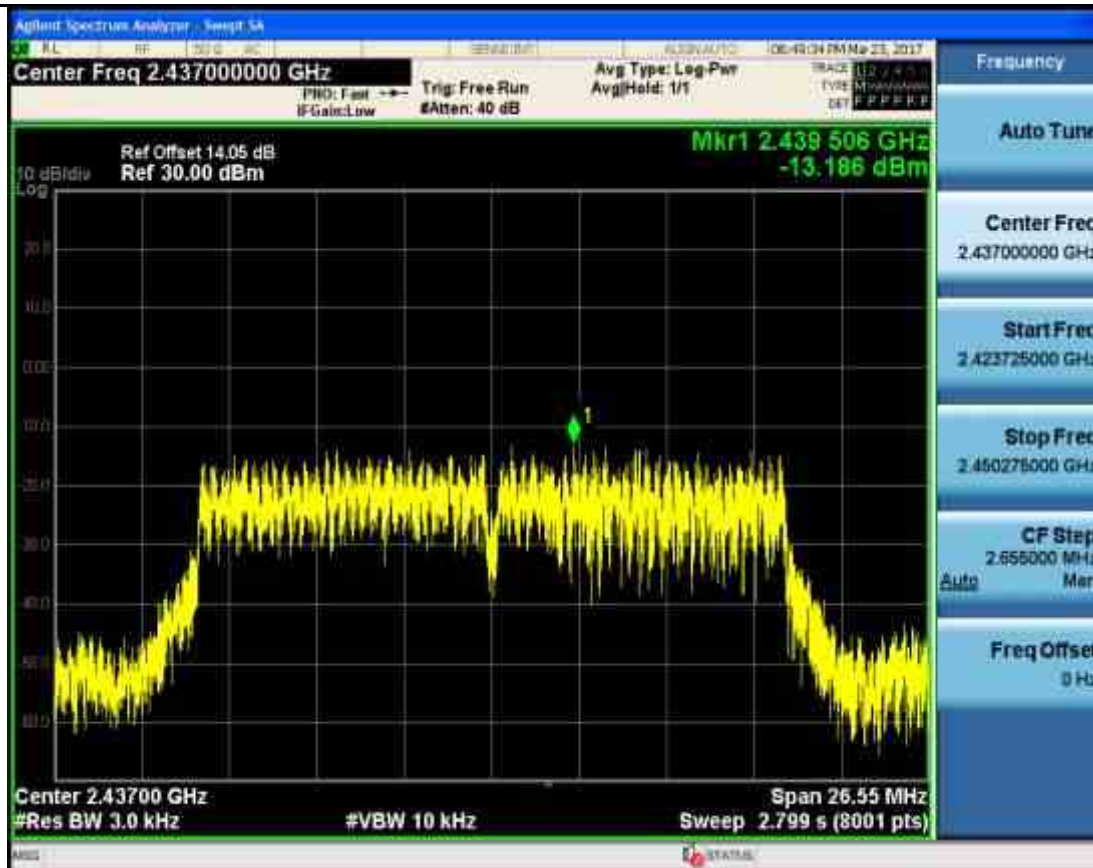


Maximum Peak power spectral density_11G_2437_Ant2

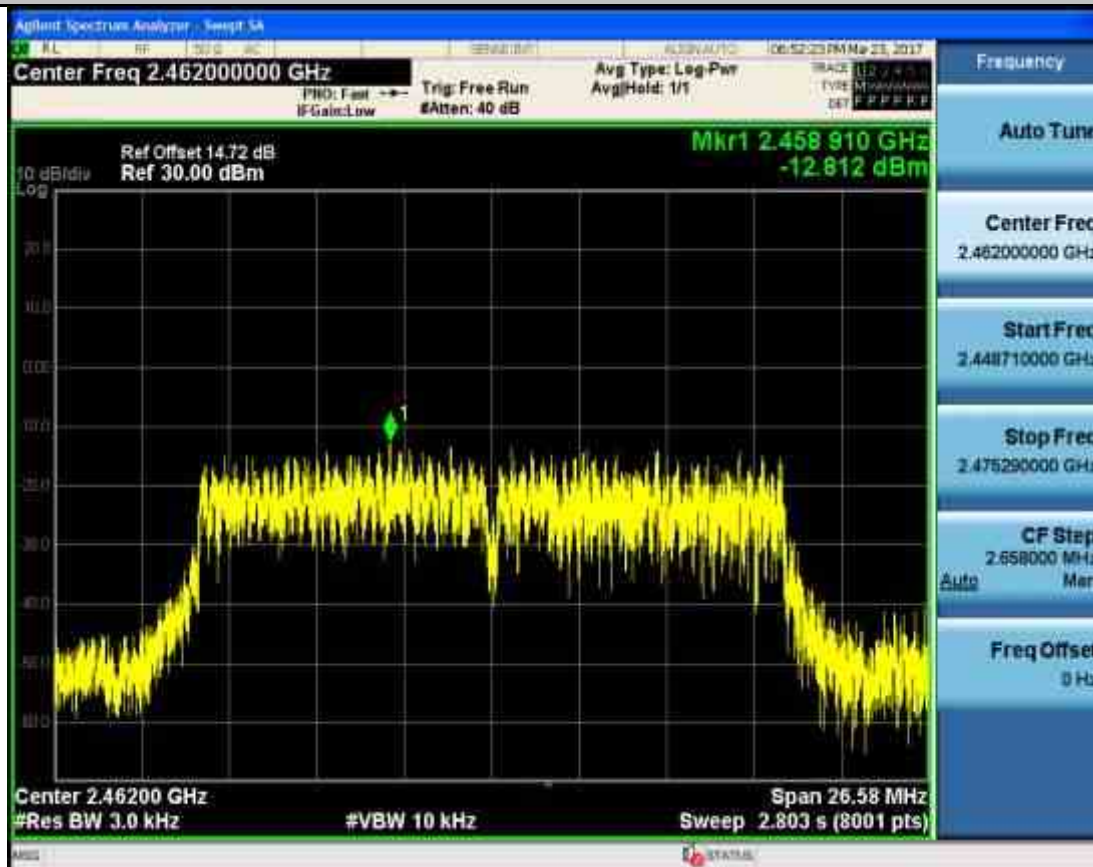


Maximum Peak power spectral density_11G_2462_Ant2

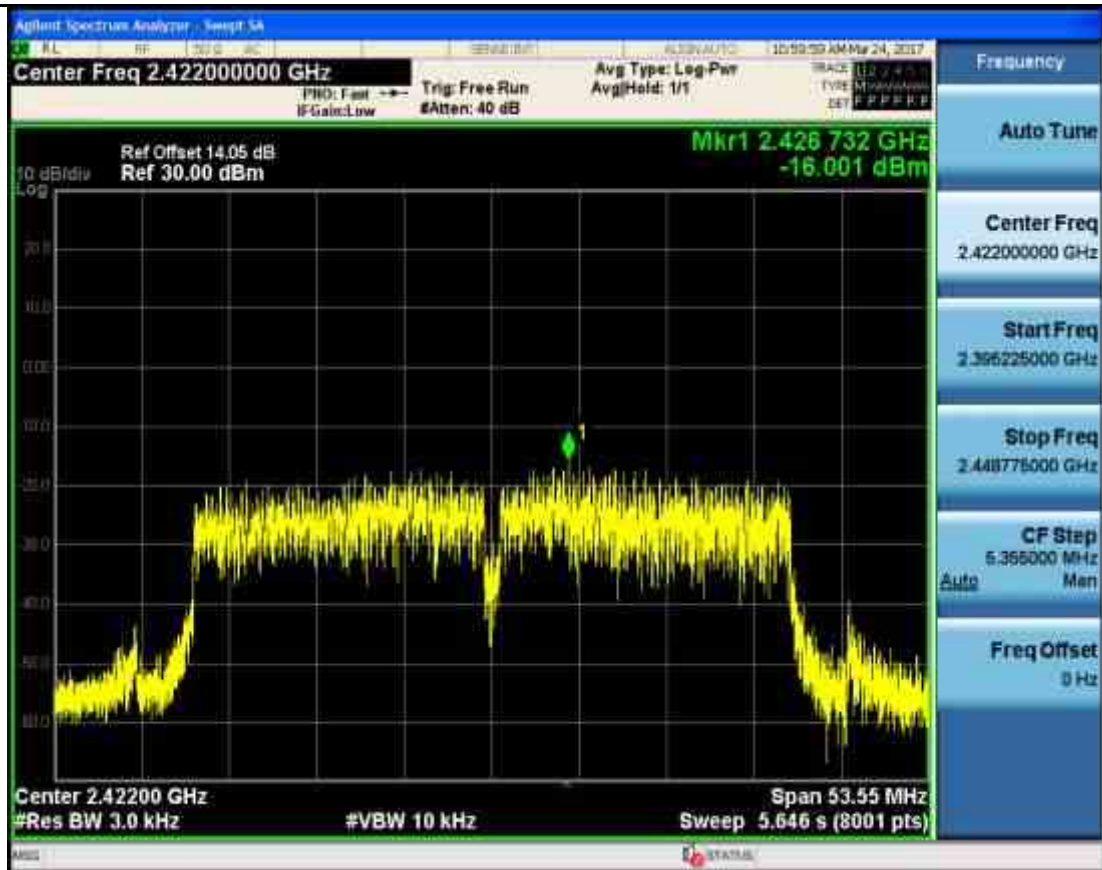




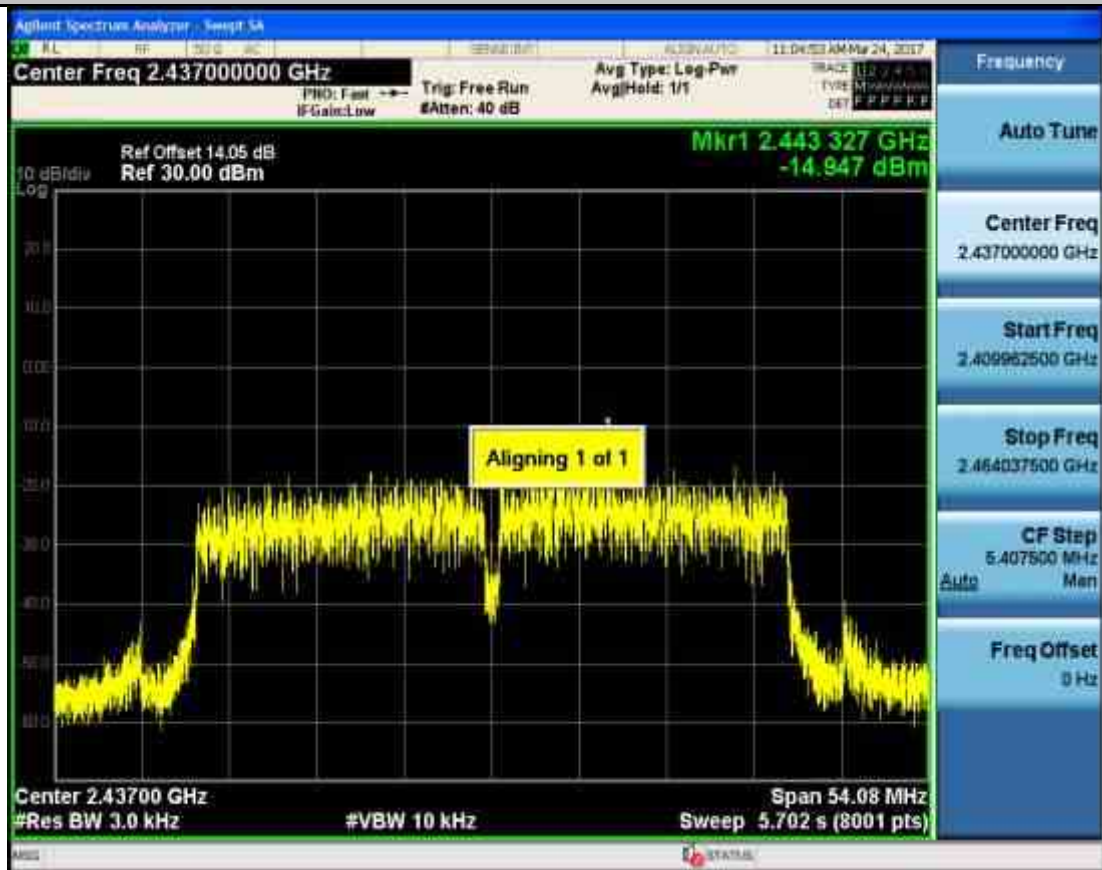
Maximum Peak power spectral density_11N20SISO_2462_Ant2



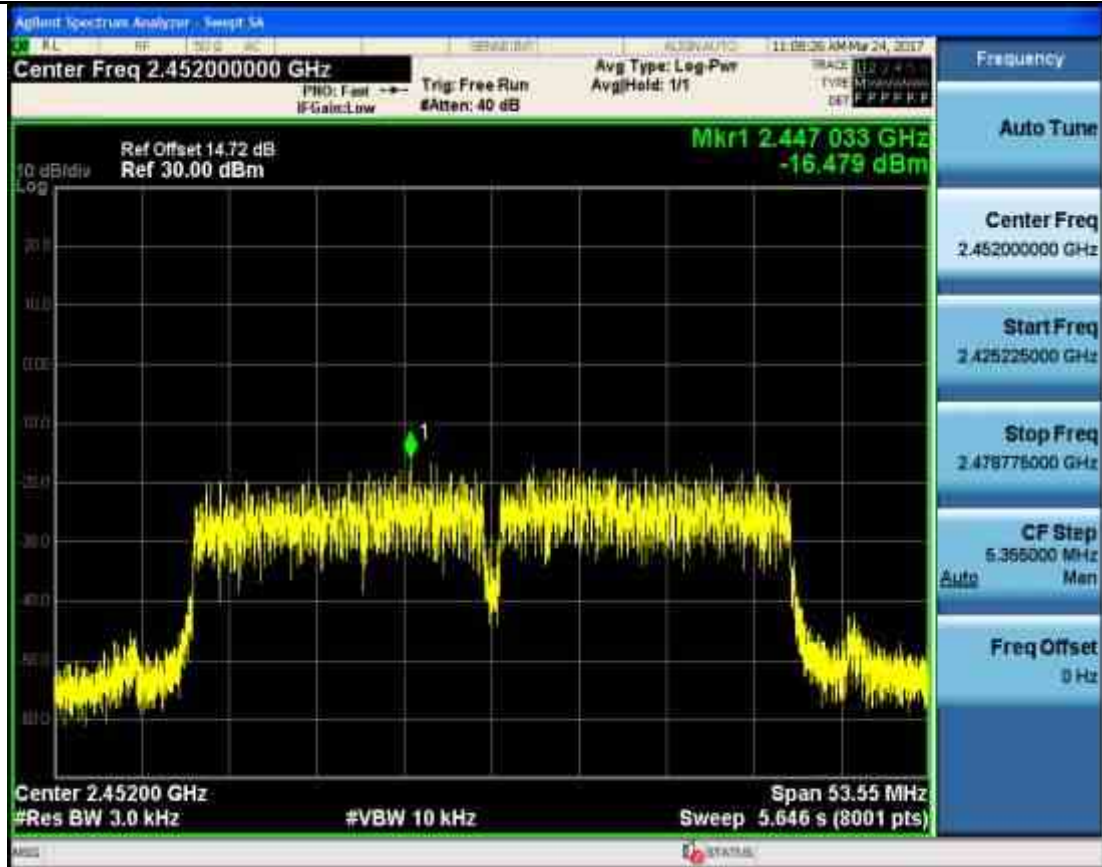
Maximum Peak power spectral density_11N40SISO_2422_Ant2



Maximum Peak power spectral density_11N40SISO_2437_Ant2



Maximum Peak power spectral density_11N40SISO_2452_Ant2



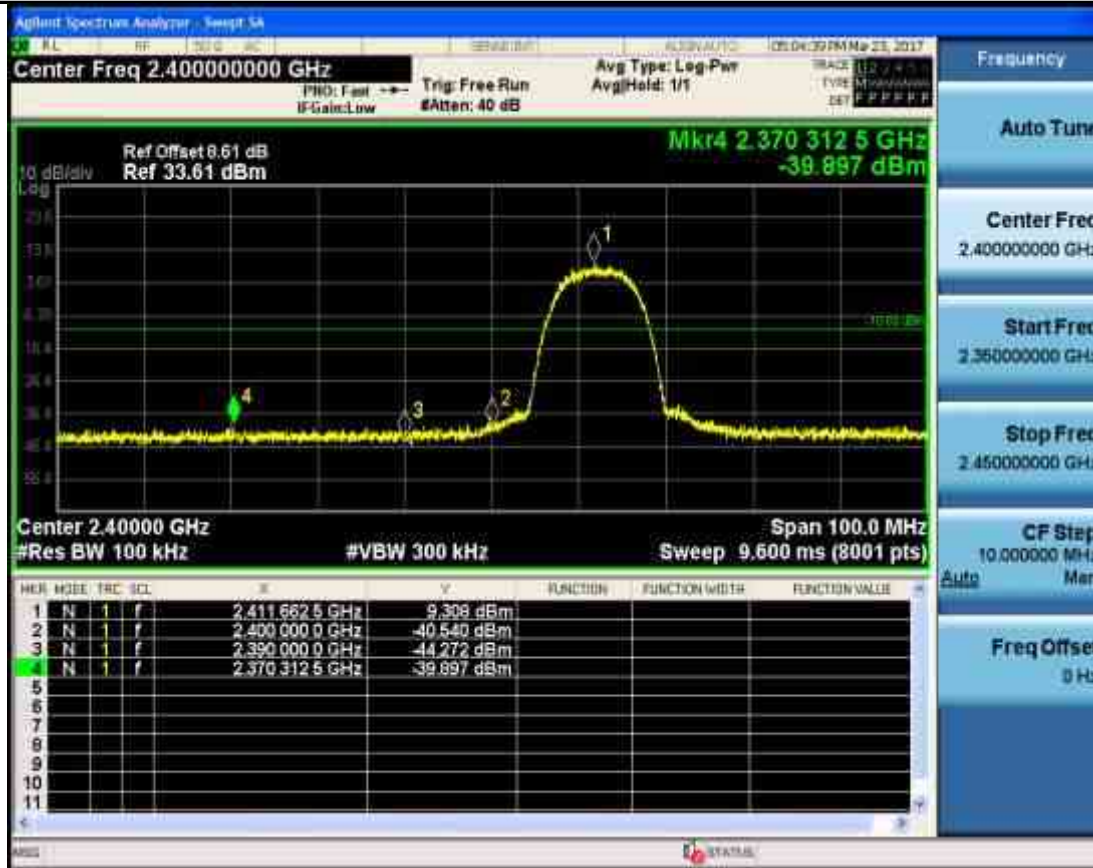
5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	9.308	-39.897	-10.69	PASS
11B	2462	Ant1	7.861	-39.251	-12.14	PASS
11G	2412	Ant1	4.567	-39.337	-15.43	PASS
11G	2462	Ant1	3.978	-37.536	-16.02	PASS
11N20SISO	2412	Ant1	5.102	-39.952	-14.9	PASS
11N20SISO	2462	Ant1	4.344	-33.661	-15.66	PASS
11N40SISO	2422	Ant1	2.402	-40.367	-17.6	PASS
11N40SISO	2452	Ant1	2.017	-27.447	-17.98	PASS

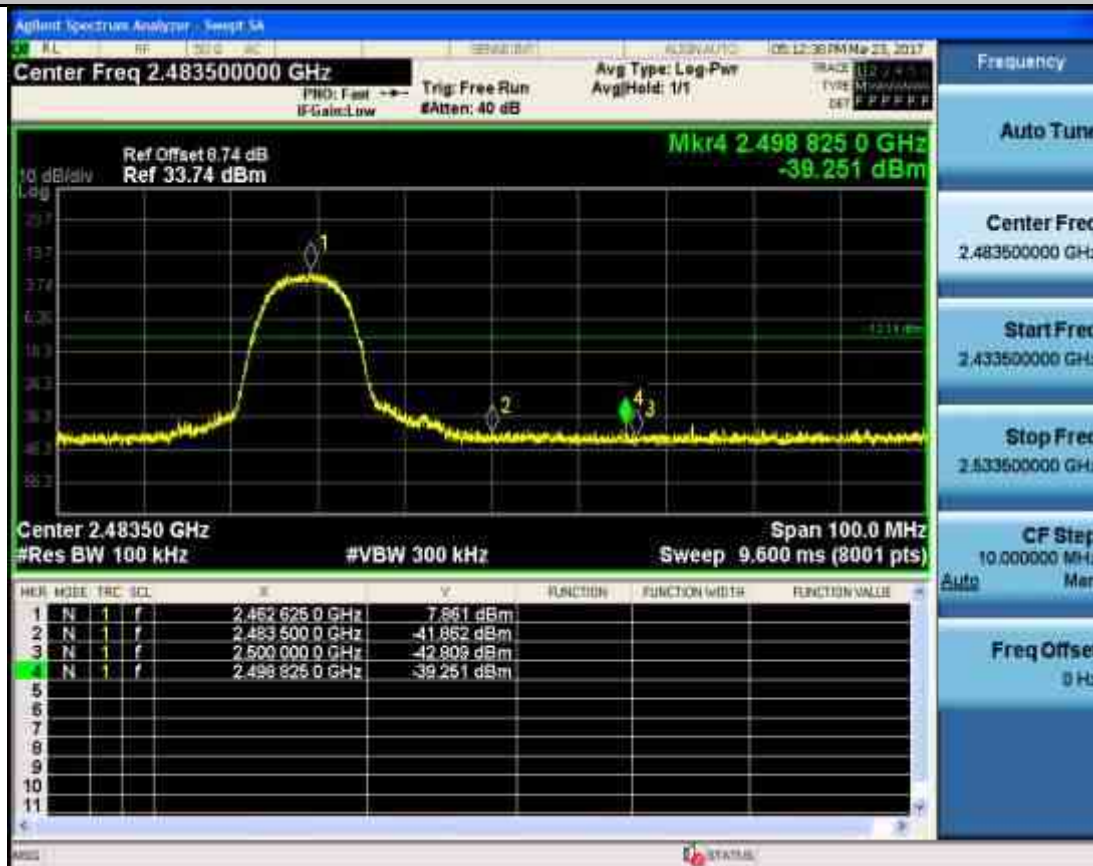
Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11G	2412	Ant2	3.177	-34.899	-16.82	PASS
11G	2462	Ant2	2.144	-34.280	-17.86	PASS
11N20SISO	2412	Ant2	3.658	-34.776	-16.34	PASS
11N20SISO	2462	Ant2	2.735	-34.084	-17.27	PASS
11N40SISO	2422	Ant2	0.921	-35.127	-19.08	PASS
11N40SISO	2452	Ant2	0.457	-29.998	-19.54	PASS

TEST PLOT

Band-edge for RF Conducted Emissions_11B_2412_Ant1



Band-edge for RF Conducted Emissions_11B_2462_Ant1



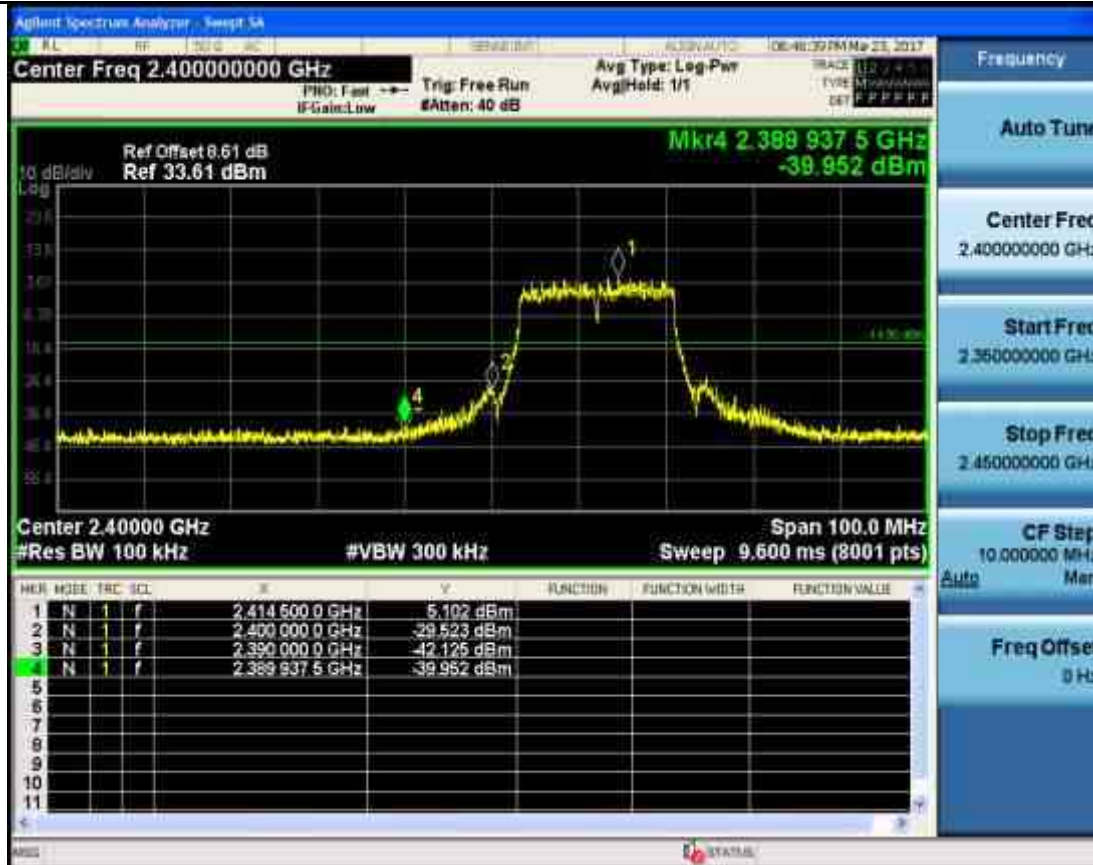
Band-edge for RF Conducted Emissions_11G_2412_Ant1



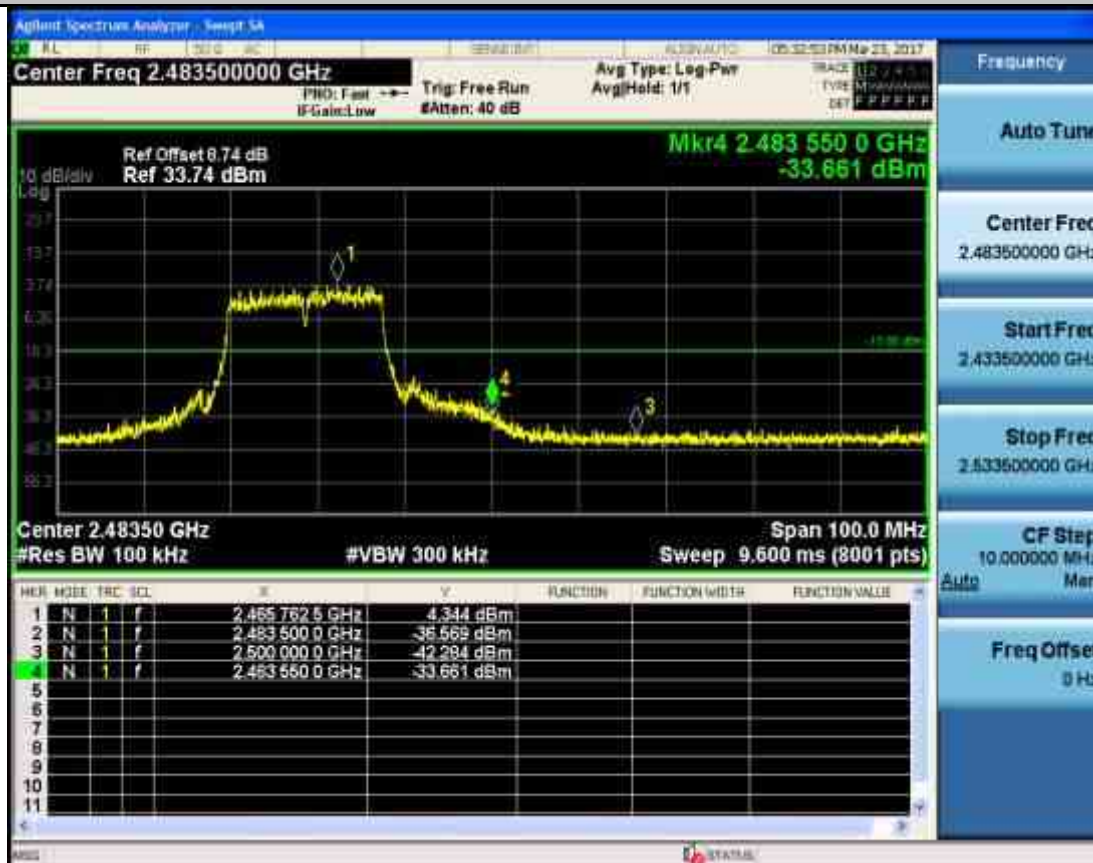
Band-edge for RF Conducted Emissions_11G_2462_Ant1



Band-edge for RF Conducted Emissions_11N20ISO_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

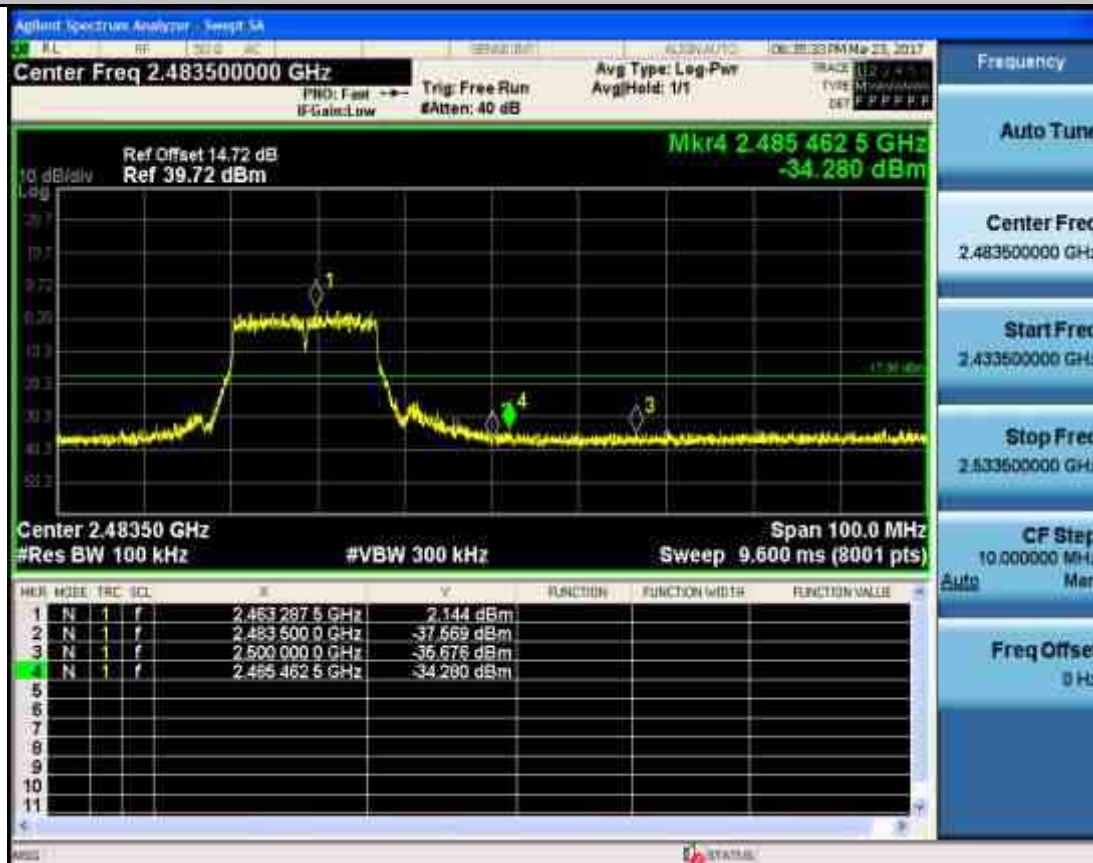


TEST PLOT

Band-edge for RF Conducted Emissions_11G_2412_Ant2



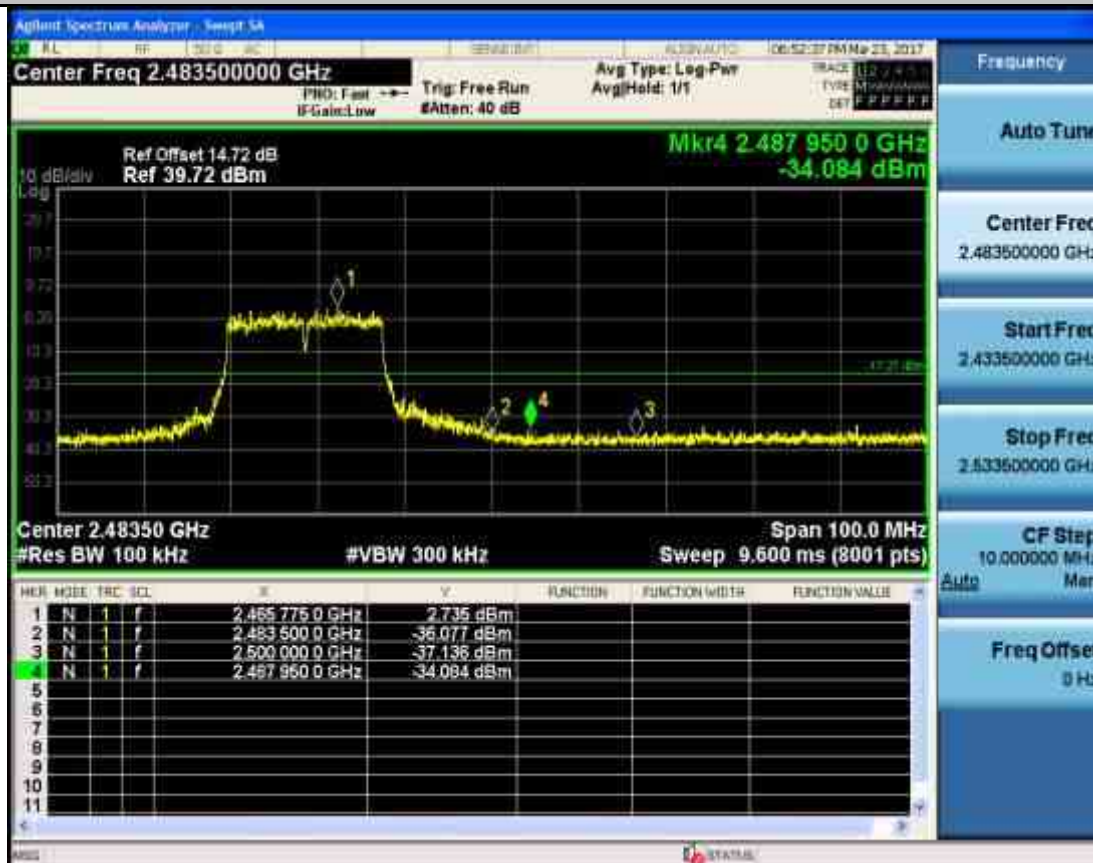
Band-edge for RF Conducted Emissions_11G_2462_Ant2



Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant2



Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant2



Band-edge for RF Conducted Emissions_11N40SISO_2422_Ant2



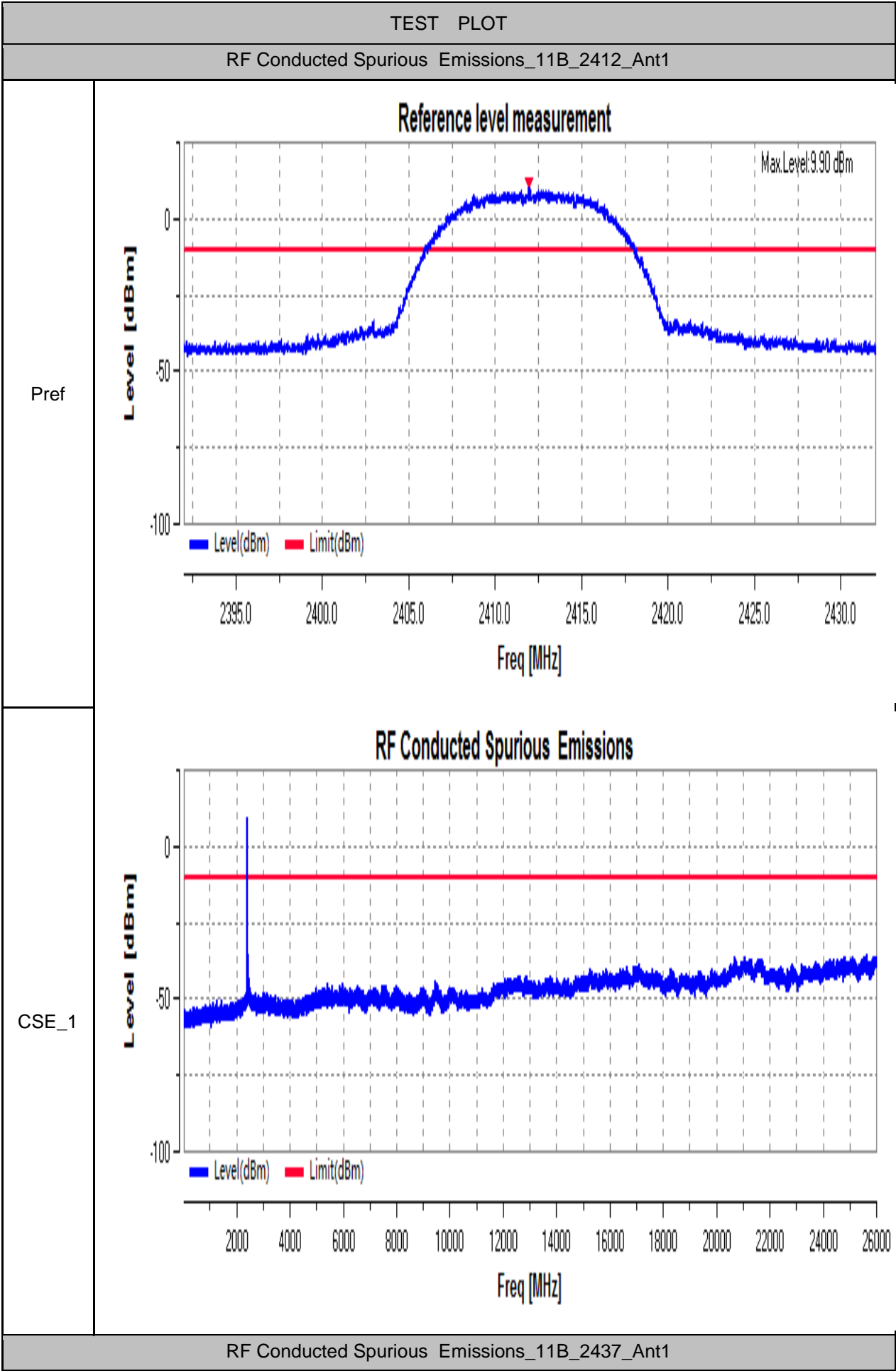
Band-edge for RF Conducted Emissions_11N40SISO_2452_Ant2



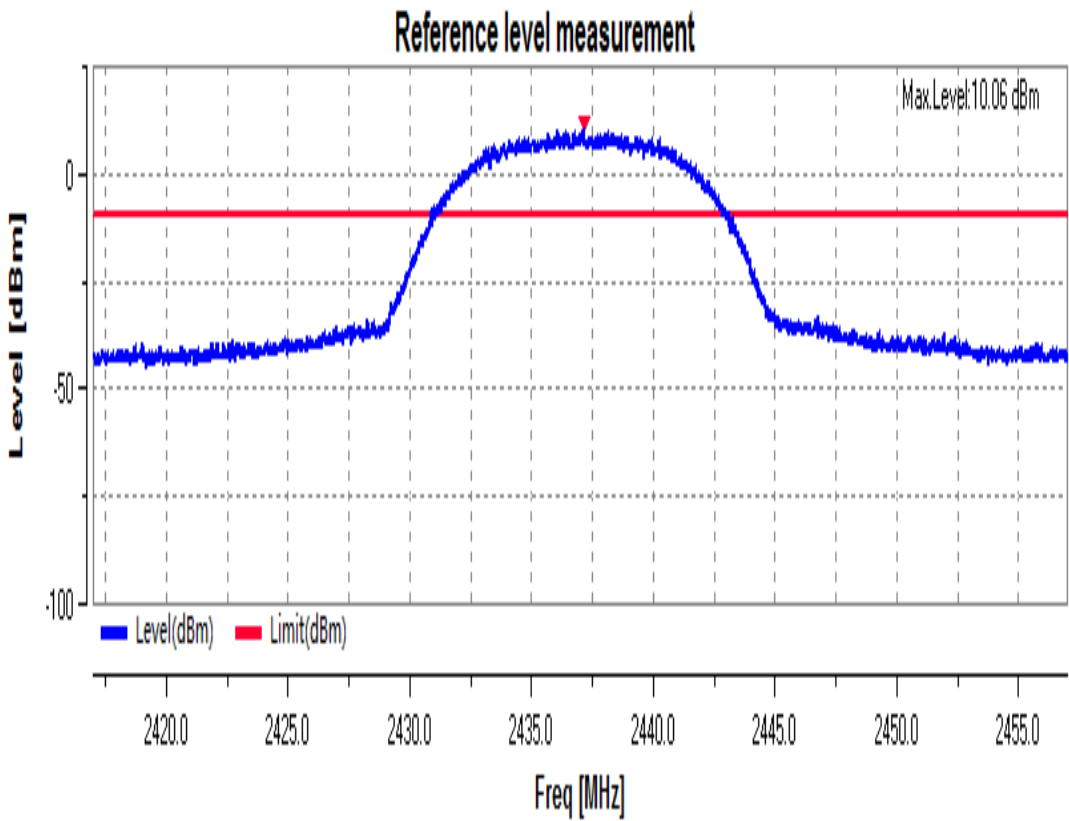
6.RF Conducted Spurious Emissions

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	9.899	-44.405	-10.101	PASS
11B	2412	Ant1	10000	26000	100	300	9.899	-35.609	-10.101	PASS
11B	2437	Ant1	30	10000	100	300	10.062	-45.113	-9.938	PASS
11B	2437	Ant1	10000	26000	100	300	10.062	-34.967	-9.938	PASS
11B	2462	Ant1	30	10000	100	300	7.92	-44.494	-12.08	PASS
11B	2462	Ant1	10000	26000	100	300	7.92	-34.524	-12.08	PASS
11G	2412	Ant1	30	10000	100	300	4.824	-44.013	-15.176	PASS
11G	2412	Ant1	10000	26000	100	300	4.824	-35.175	-15.176	PASS
11G	2437	Ant1	30	10000	100	300	4.89	-44.898	-15.11	PASS
11G	2437	Ant1	10000	26000	100	300	4.89	-35.904	-15.11	PASS
11G	2462	Ant1	30	10000	100	300	3.848	-44.408	-16.152	PASS
11G	2462	Ant1	10000	26000	100	300	3.848	-35.084	-16.152	PASS
11N20SISO	2412	Ant1	30	10000	100	300	5.164	-44.058	-14.836	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	5.164	-35.796	-14.836	PASS
11N20SISO	2437	Ant1	30	10000	100	300	4.949	-44.972	-15.051	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	4.949	-35.075	-15.051	PASS
11N20SISO	2462	Ant1	30	10000	100	300	4.176	-44.816	-15.824	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	4.176	-34.921	-15.824	PASS
11N40SISO	2422	Ant1	30	10000	100	300	2.702	-45.074	-17.298	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	2.702	-36.251	-17.298	PASS
11N40SISO	2437	Ant1	30	10000	100	300	2.186	-43.692	-17.814	PASS
11N40SISO	2437	Ant1	10000	26000	100	300	2.186	-35.635	-17.814	PASS
11N40SISO	2452	Ant1	30	10000	100	300	1.954	-44.279	-18.046	PASS
11N40SISO	2452	Ant1	10000	26000	100	300	1.954	-35.520	-18.046	PASS

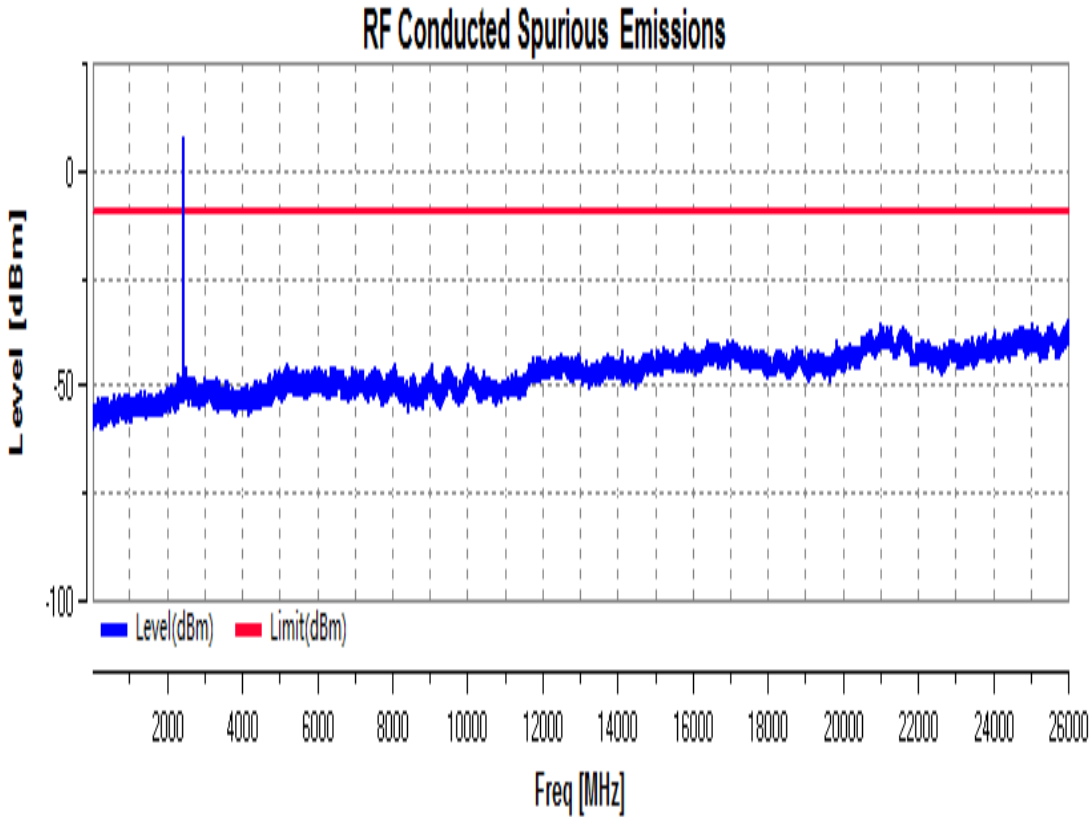
Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11G	2412	Ant2	30	10000	100	300	3.279	-39.098	-16.721	PASS
11G	2412	Ant2	10000	26000	100	300	3.279	-30.017	-16.721	PASS
11G	2437	Ant2	30	10000	100	300	2.574	-39.630	-17.426	PASS
11G	2437	Ant2	10000	26000	100	300	2.574	-29.437	-17.426	PASS
11G	2462	Ant2	30	10000	100	300	2.208	-38.440	-17.792	PASS
11G	2462	Ant2	10000	26000	100	300	2.208	-29.163	-17.792	PASS
11N20SISO	2412	Ant2	30	10000	100	300	3.647	-38.769	-16.353	PASS
11N20SISO	2412	Ant2	10000	26000	100	300	3.647	-29.343	-16.353	PASS
11N20SISO	2437	Ant2	30	10000	100	300	2.867	-39.168	-17.133	PASS
11N20SISO	2437	Ant2	10000	26000	100	300	2.867	-30.510	-17.133	PASS
11N20SISO	2462	Ant2	30	10000	100	300	2.662	-38.063	-17.338	PASS
11N20SISO	2462	Ant2	10000	26000	100	300	2.662	-29.414	-17.338	PASS
11N40SISO	2422	Ant2	30	10000	100	300	0.658	-39.468	-19.342	PASS
11N40SISO	2422	Ant2	10000	26000	100	300	0.658	-30.339	-19.342	PASS
11N40SISO	2437	Ant2	30	10000	100	300	0.492	-39.553	-19.508	PASS
11N40SISO	2437	Ant2	10000	26000	100	300	0.492	-29.766	-19.508	PASS
11N40SISO	2452	Ant2	30	10000	100	300	2.017	-38.970	-17.983	PASS
11N40SISO	2452	Ant2	10000	26000	100	300	2.017	-29.284	-17.983	PASS



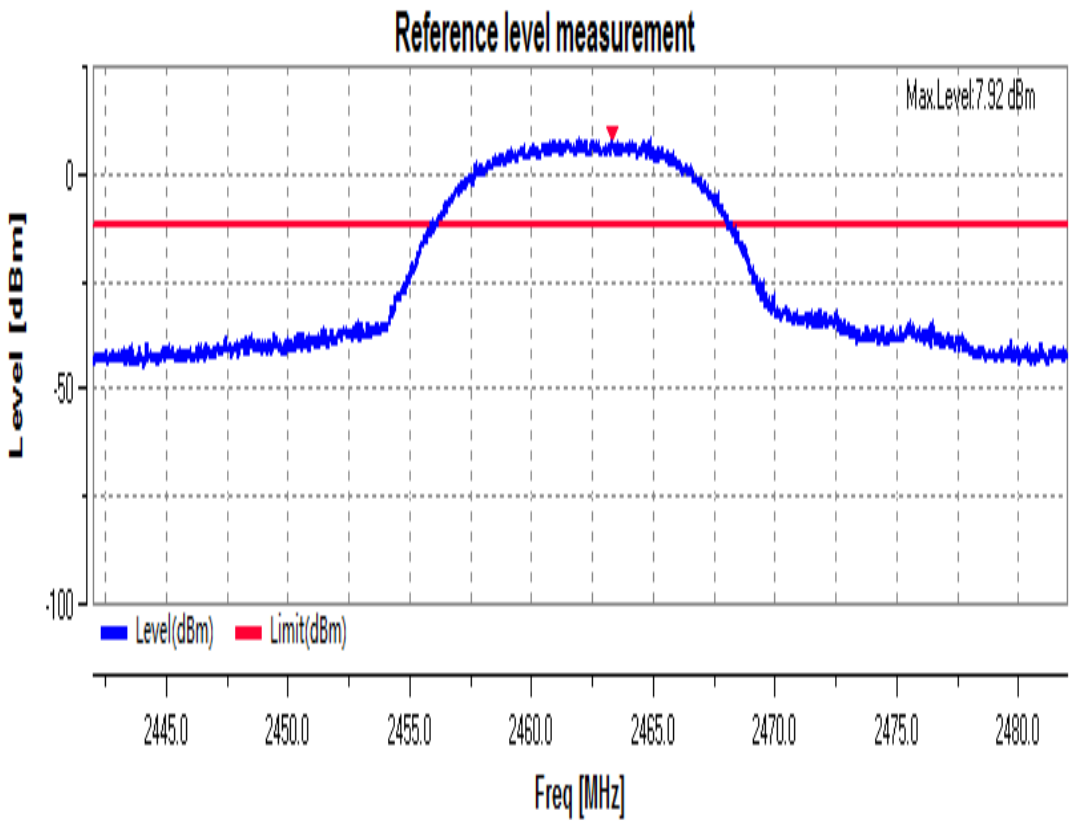
Pref



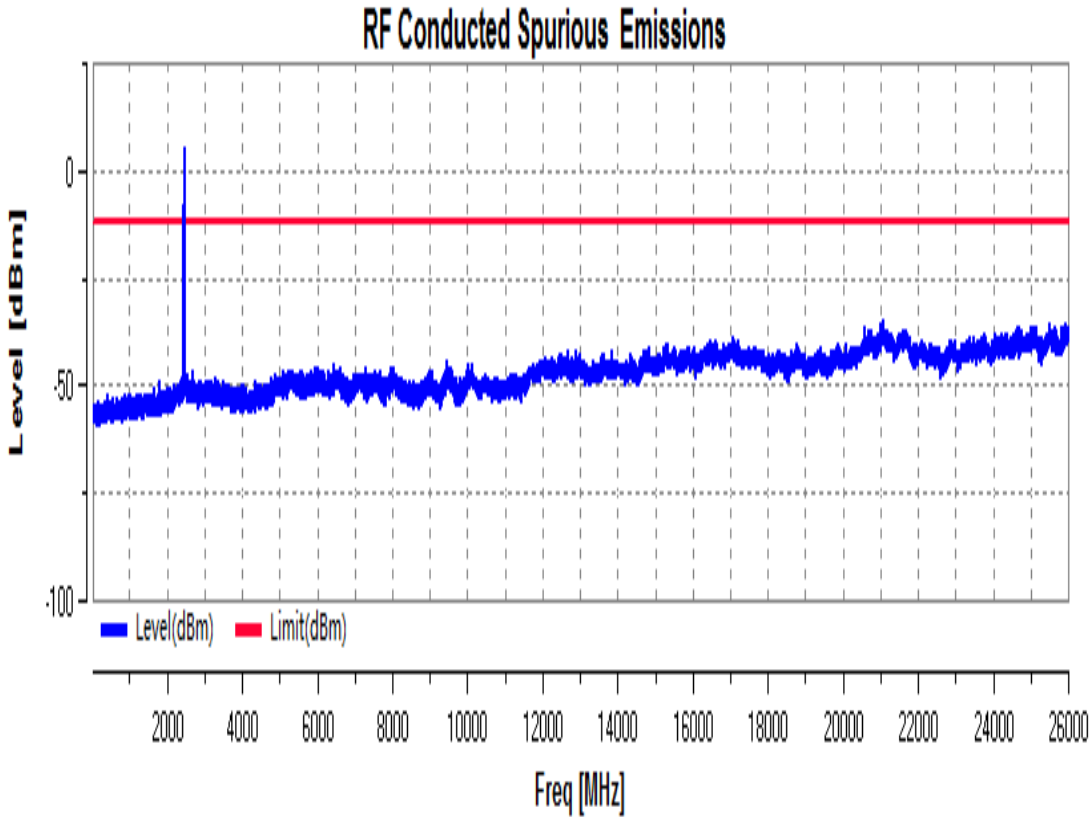
CSE_1

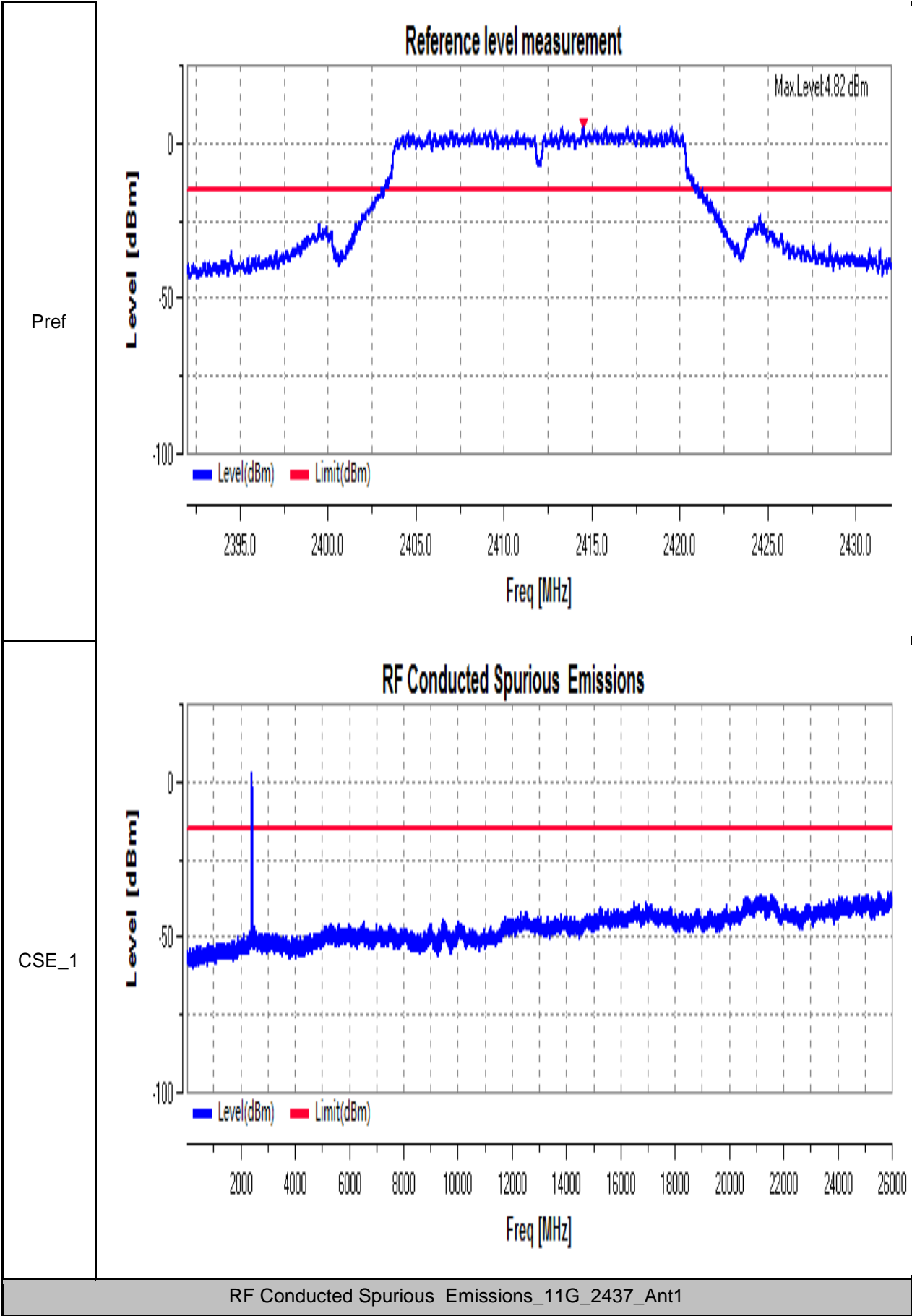


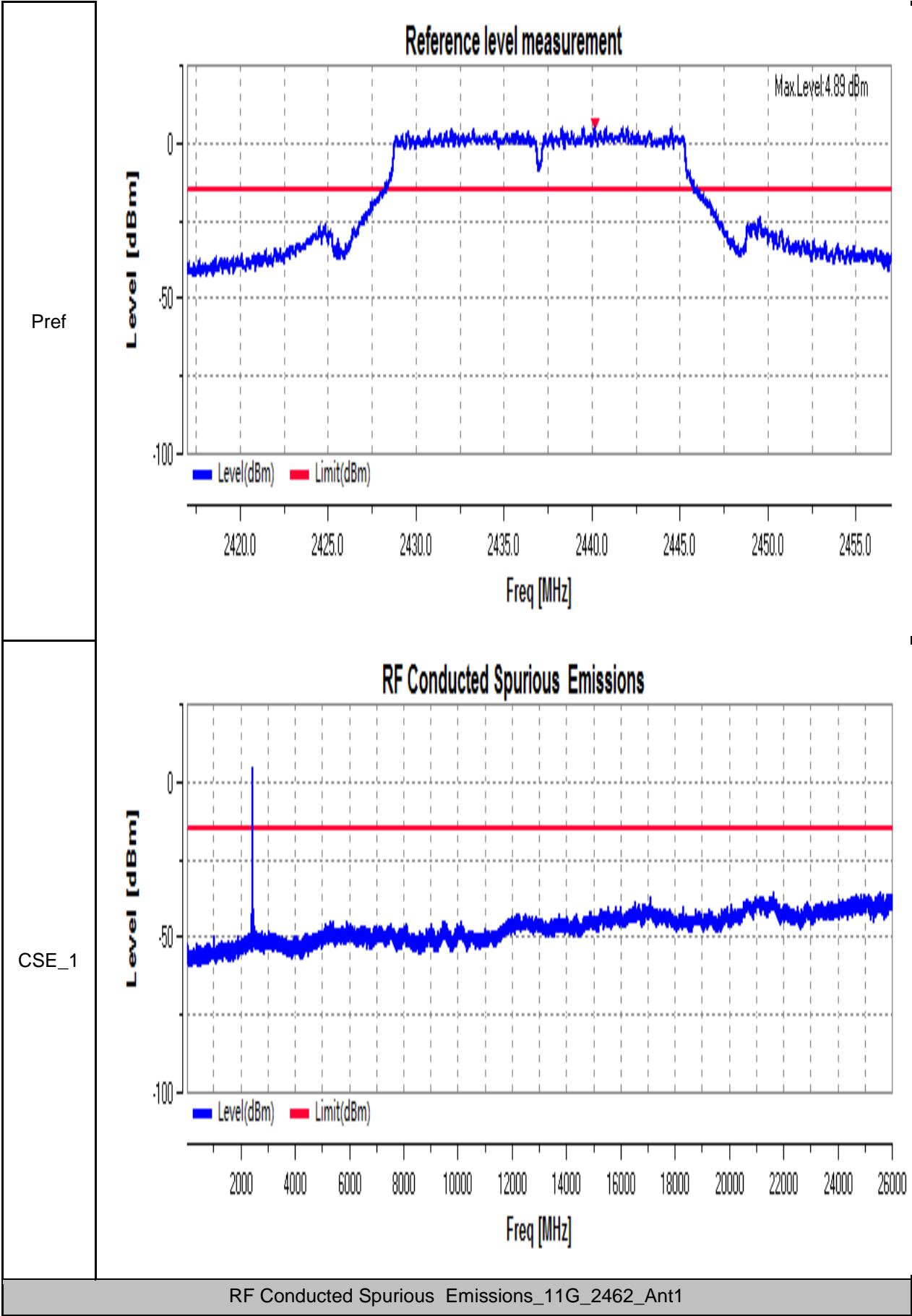
Pref



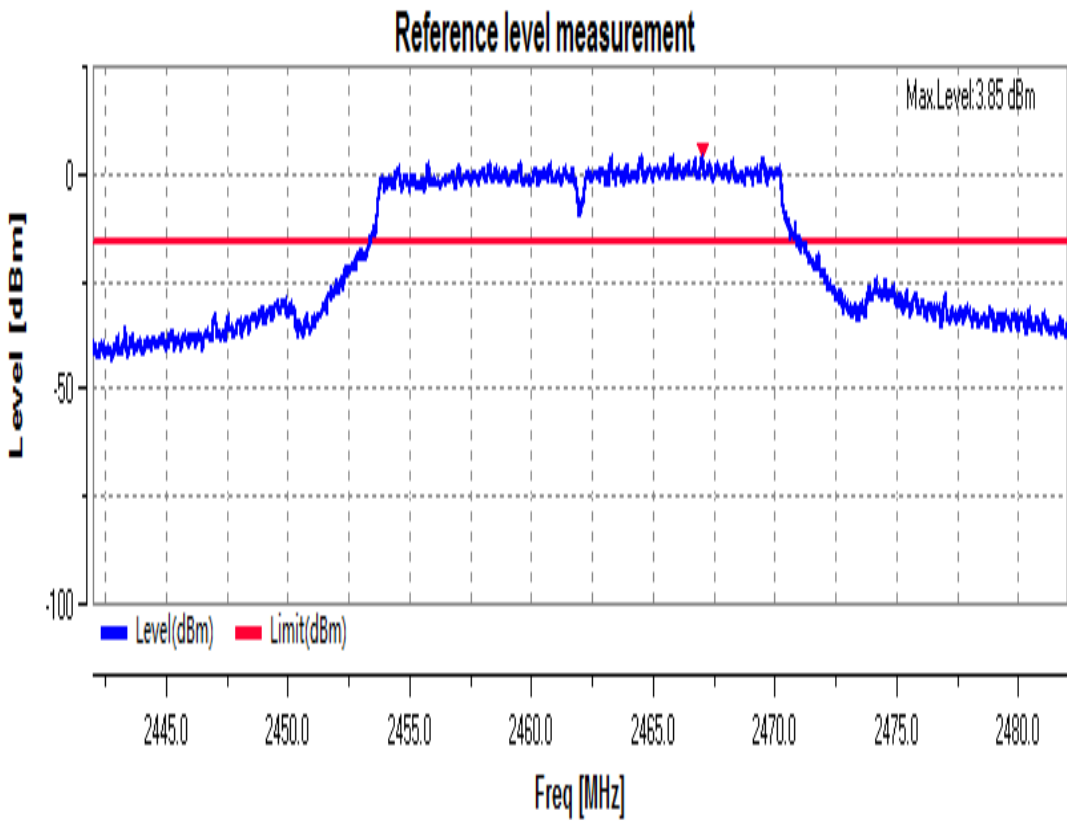
CSE_1



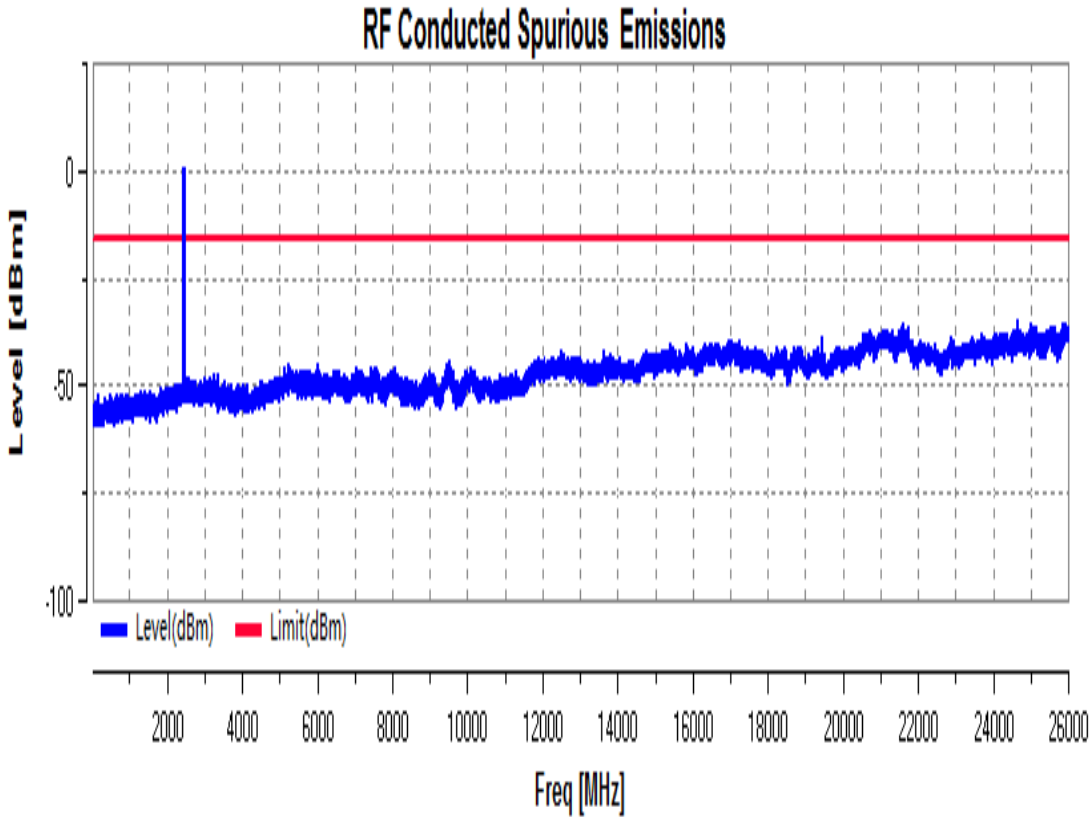


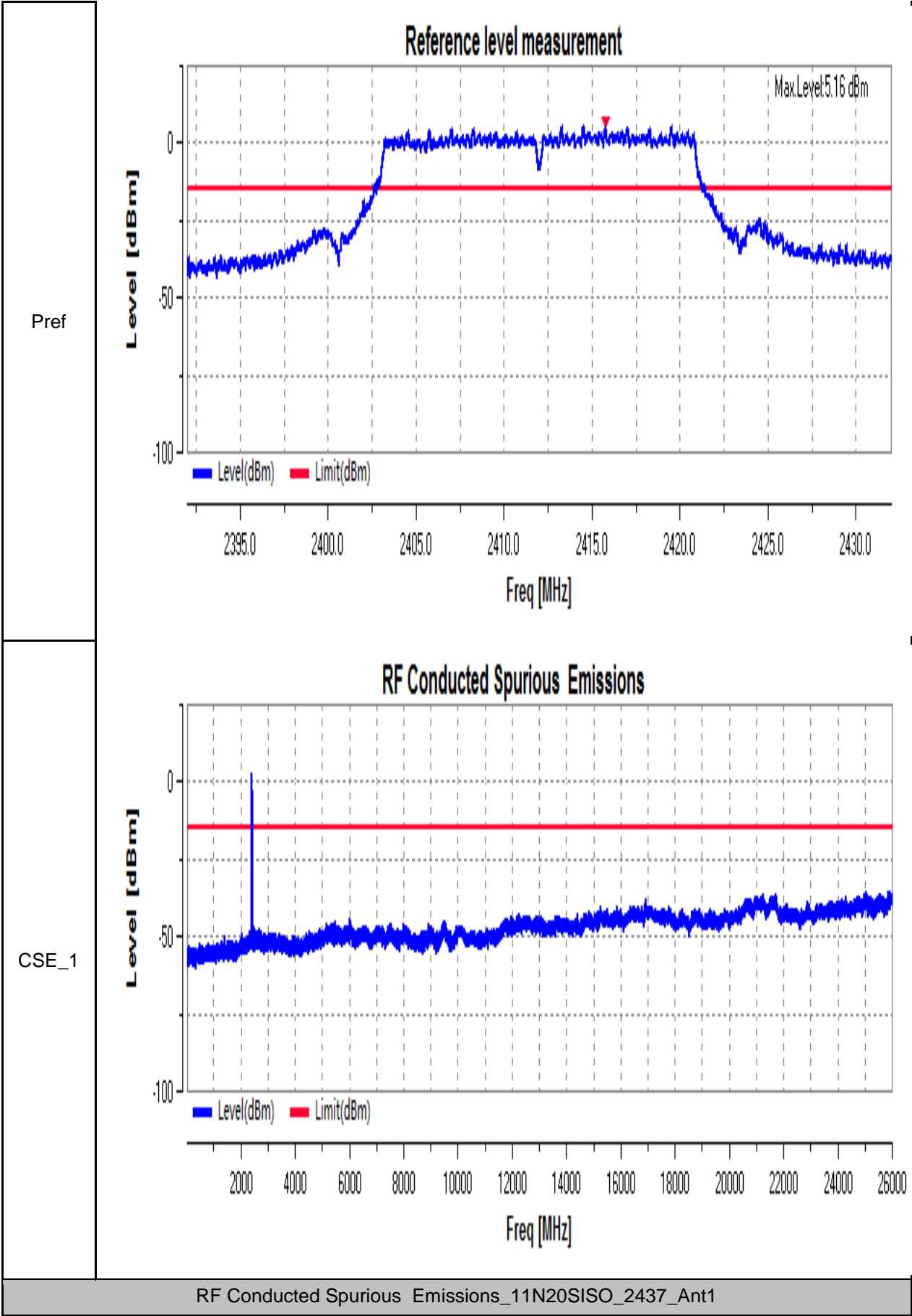


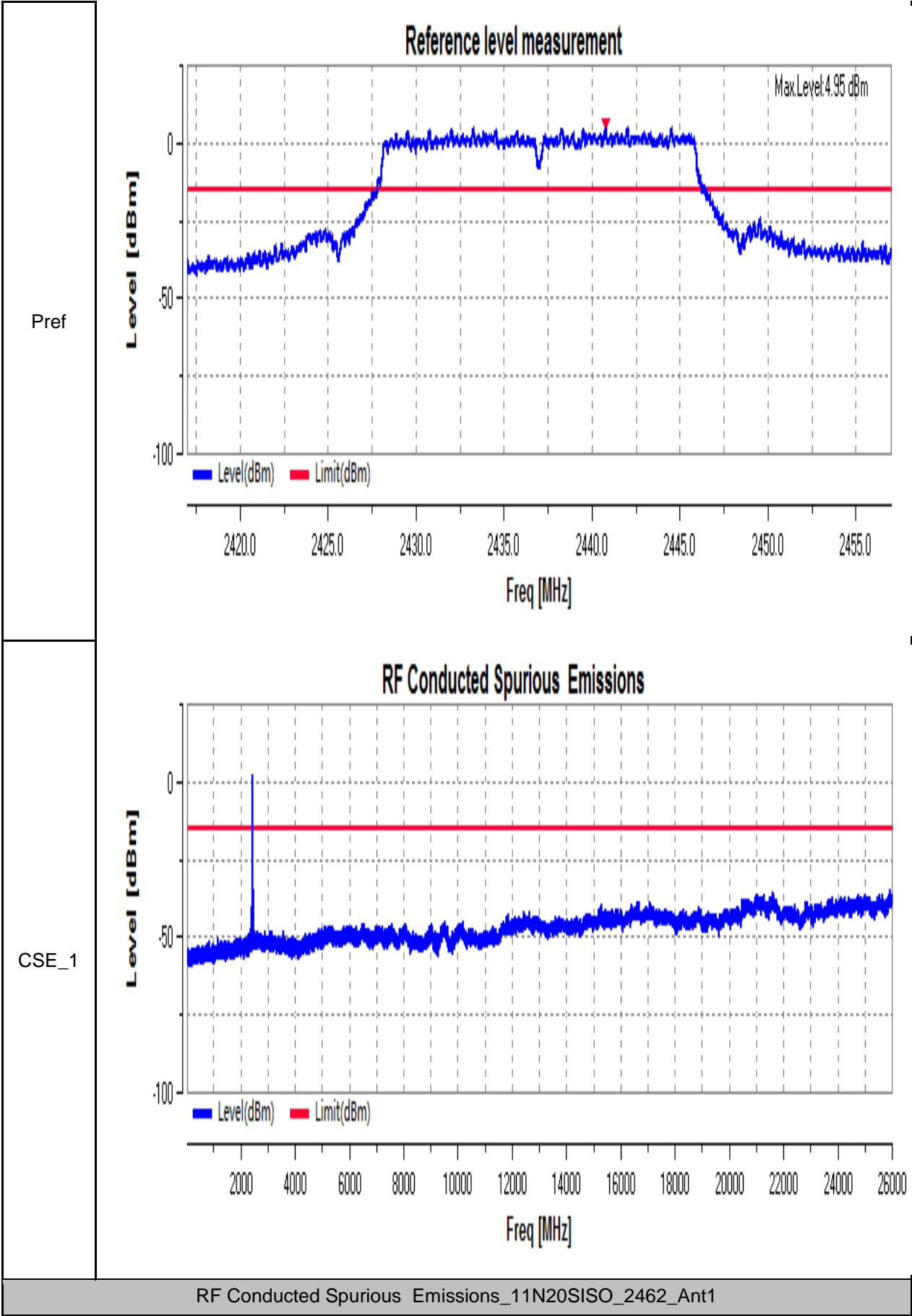
Pref

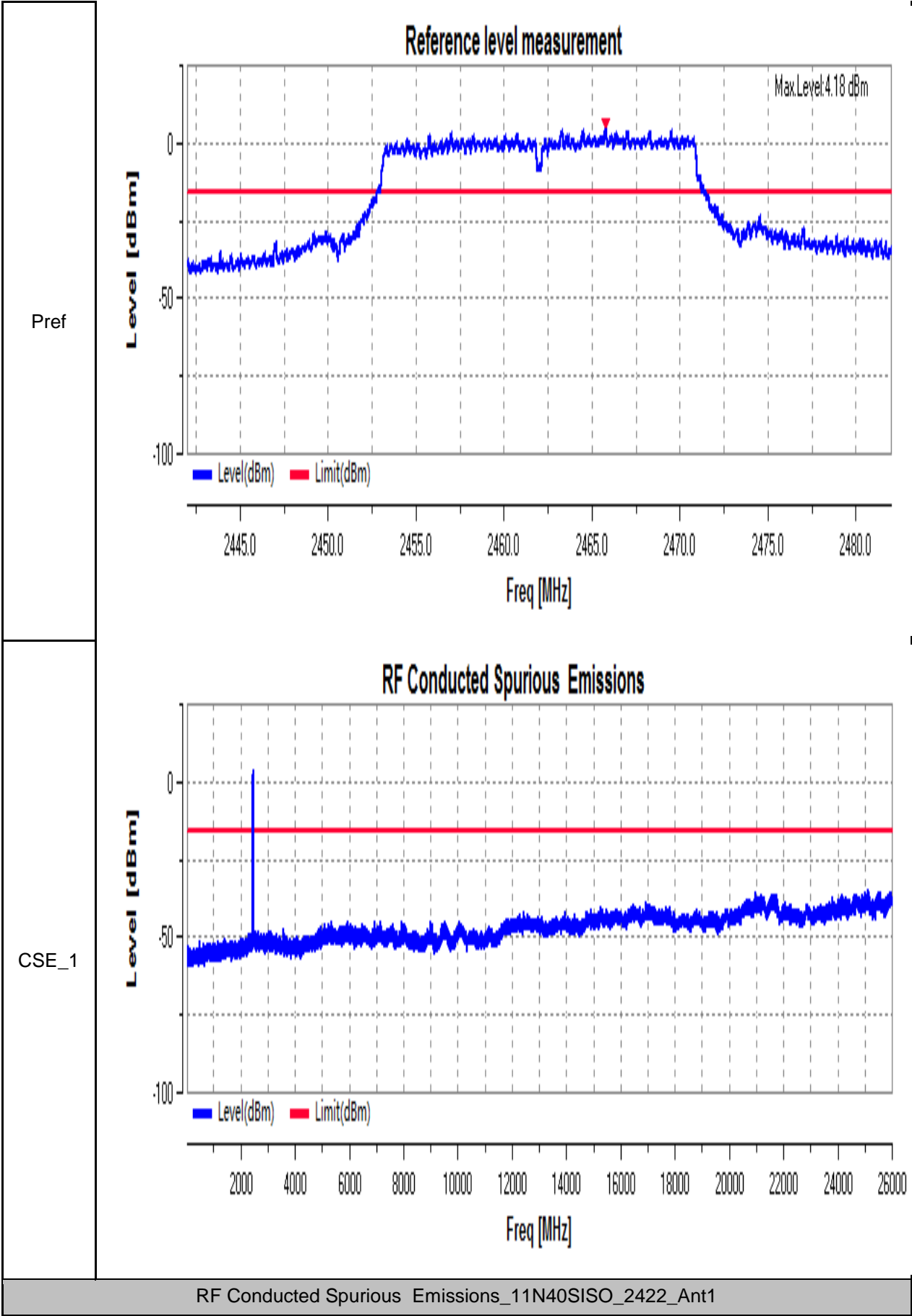


CSE_1

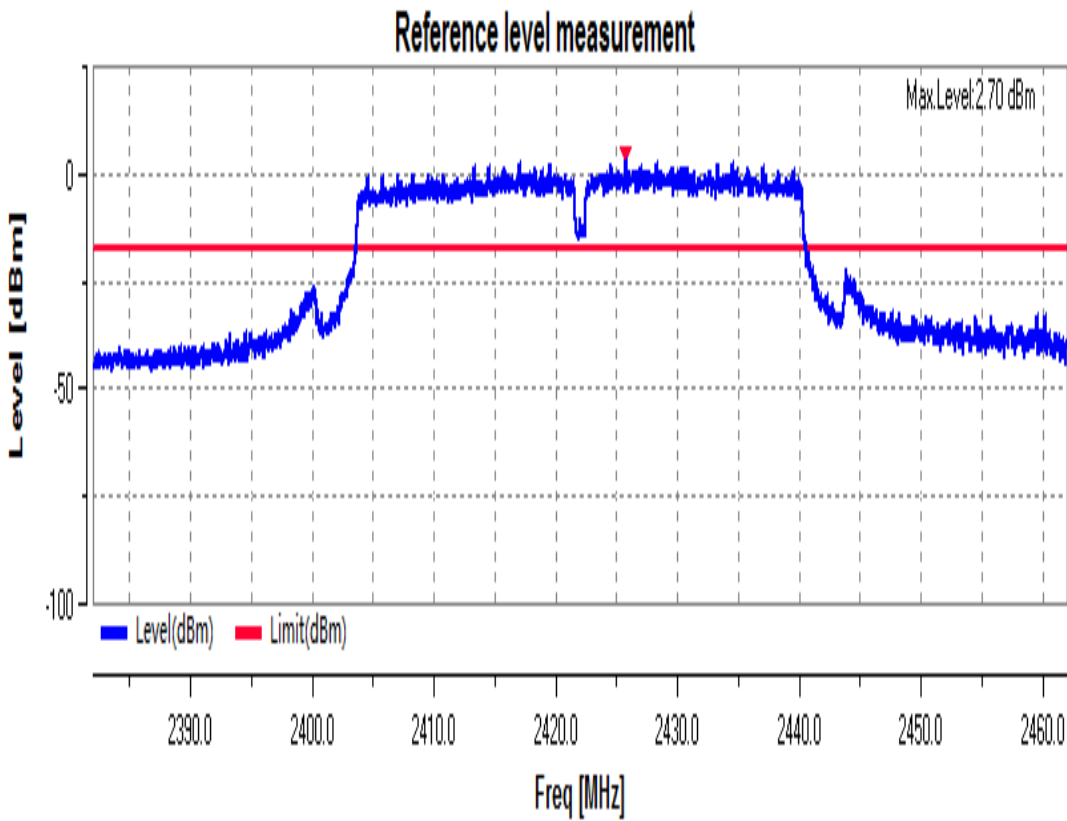




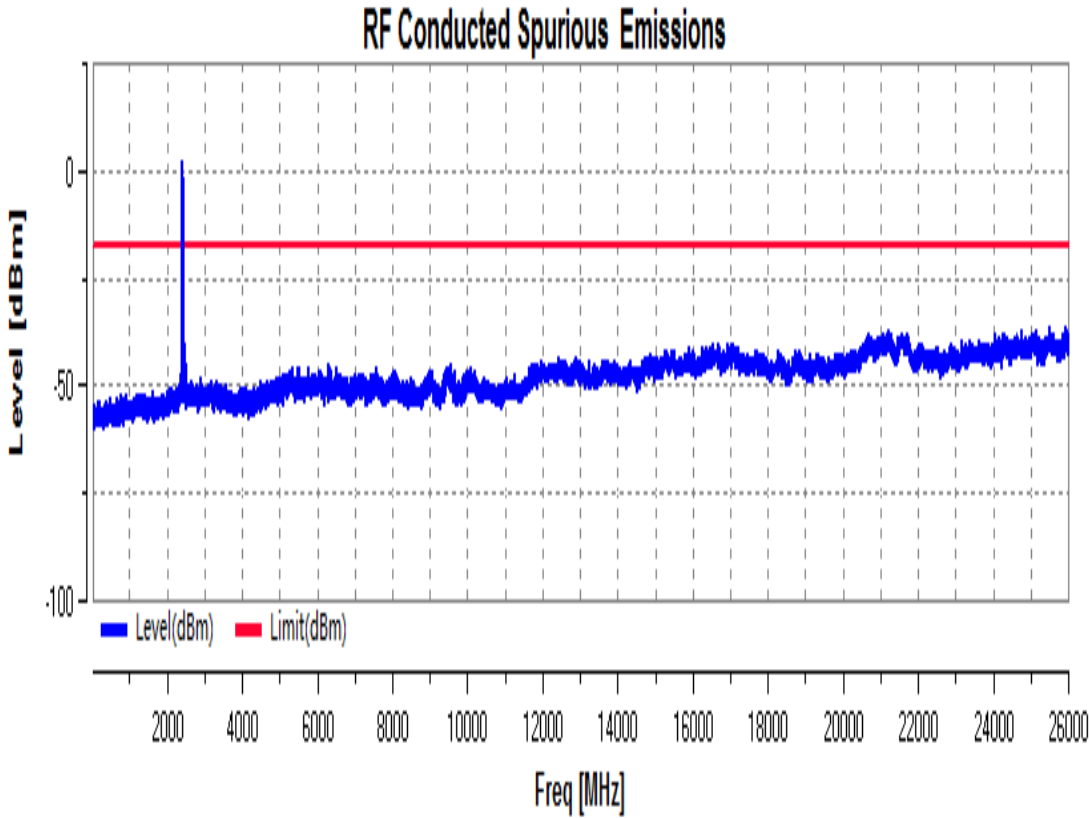


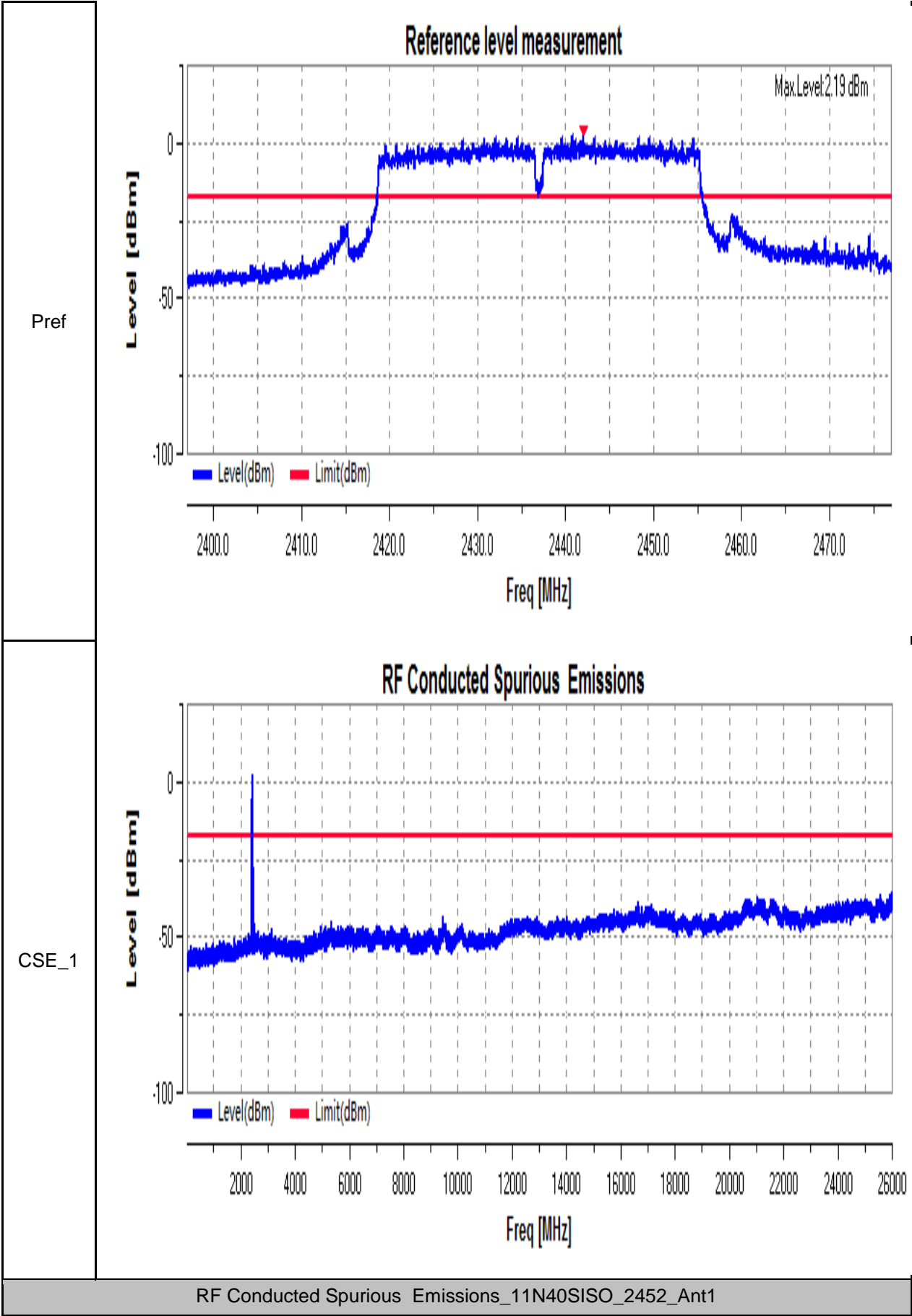


Pref

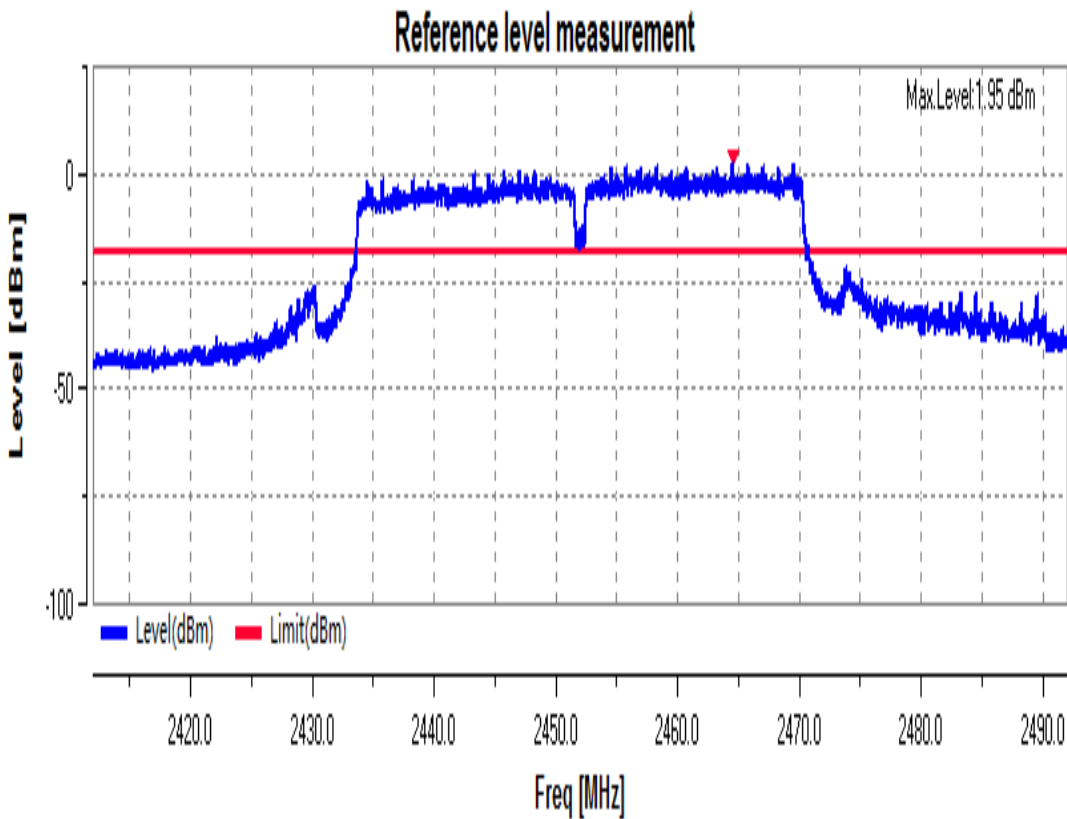


CSE_1

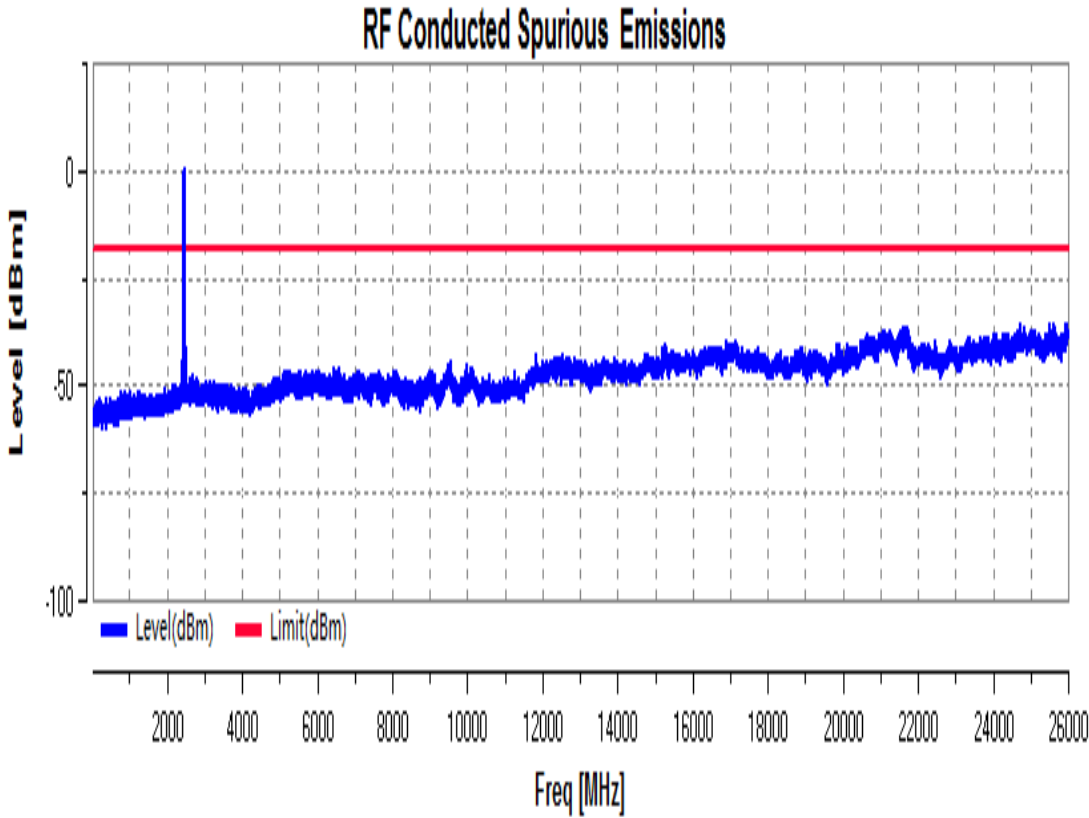




Pref



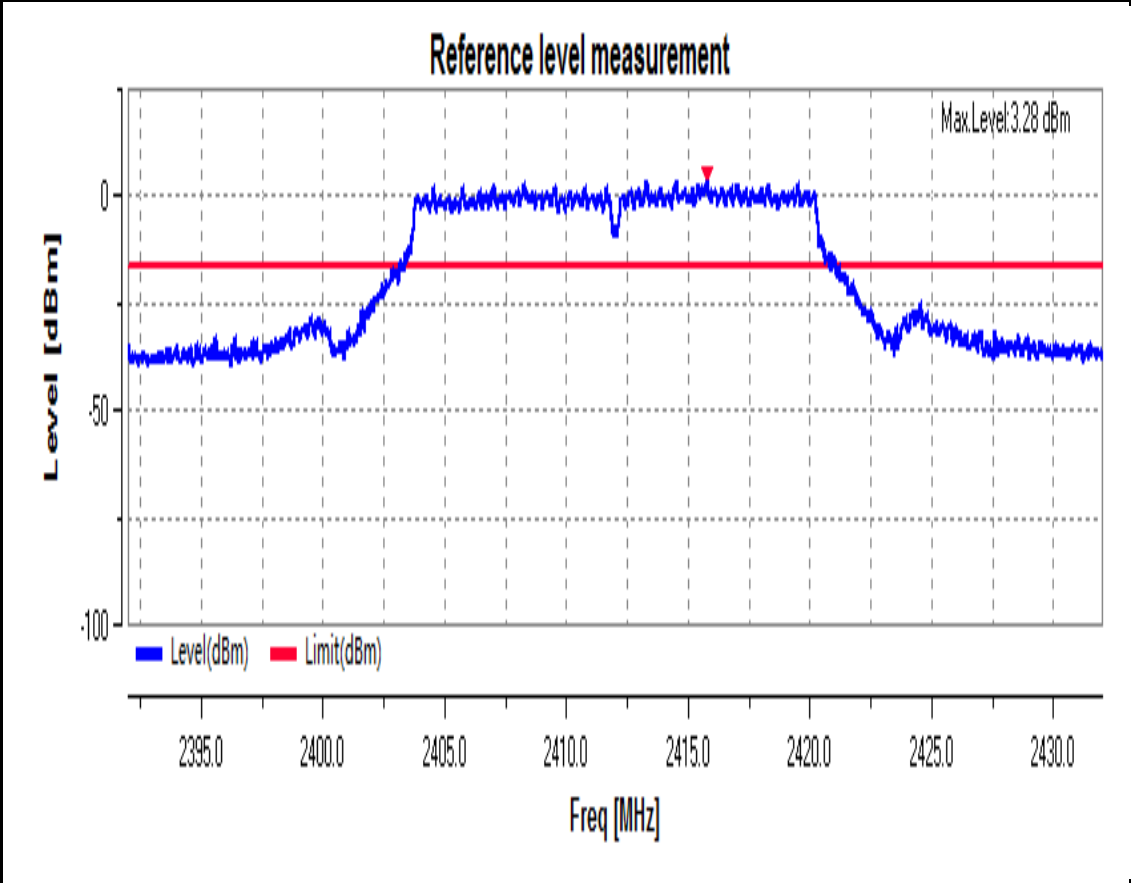
CSE_1



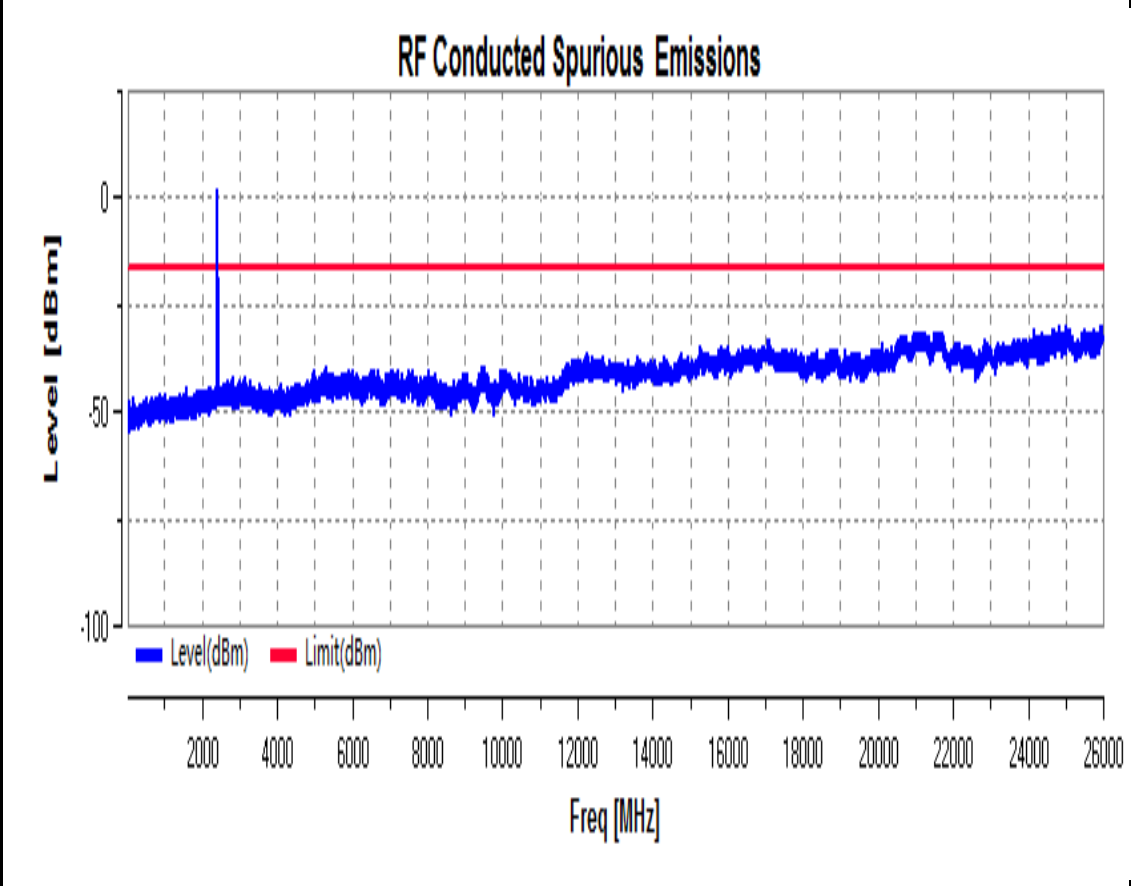
TEST PLOT

RF Conducted Spurious Emissions_11G_2412_Ant2

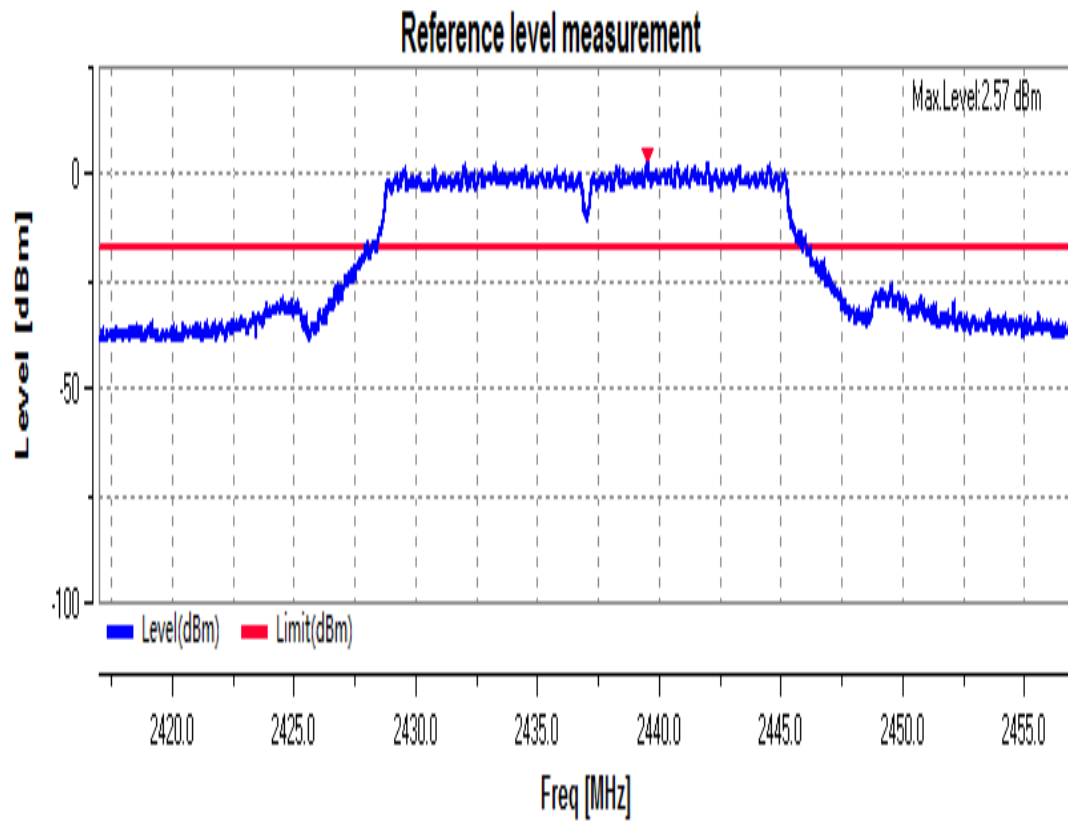
Pref



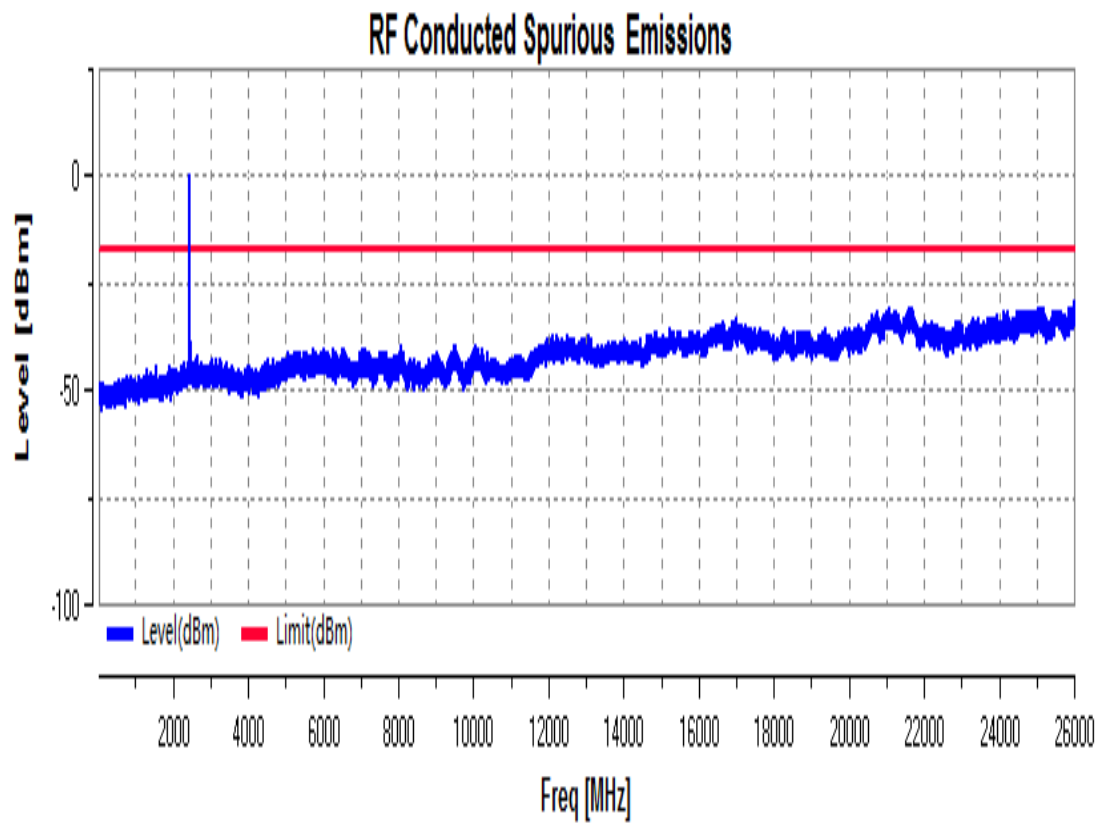
CSE_1



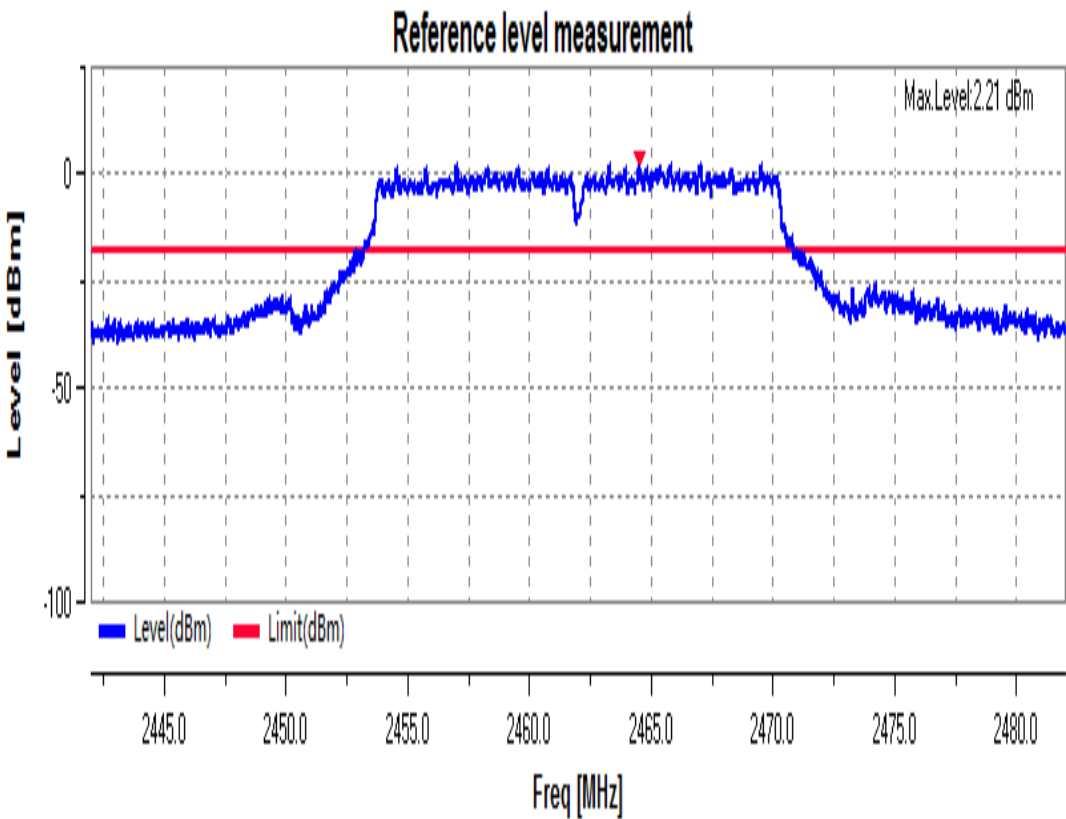
Pref



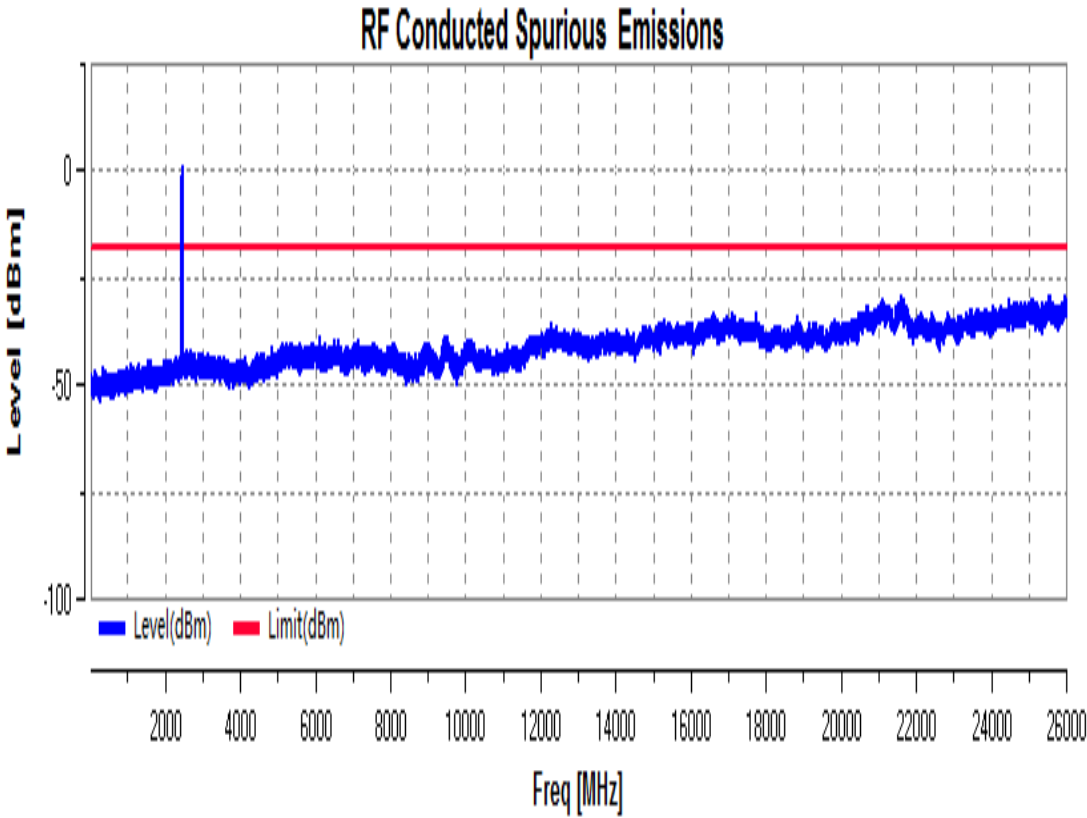
CSE_1



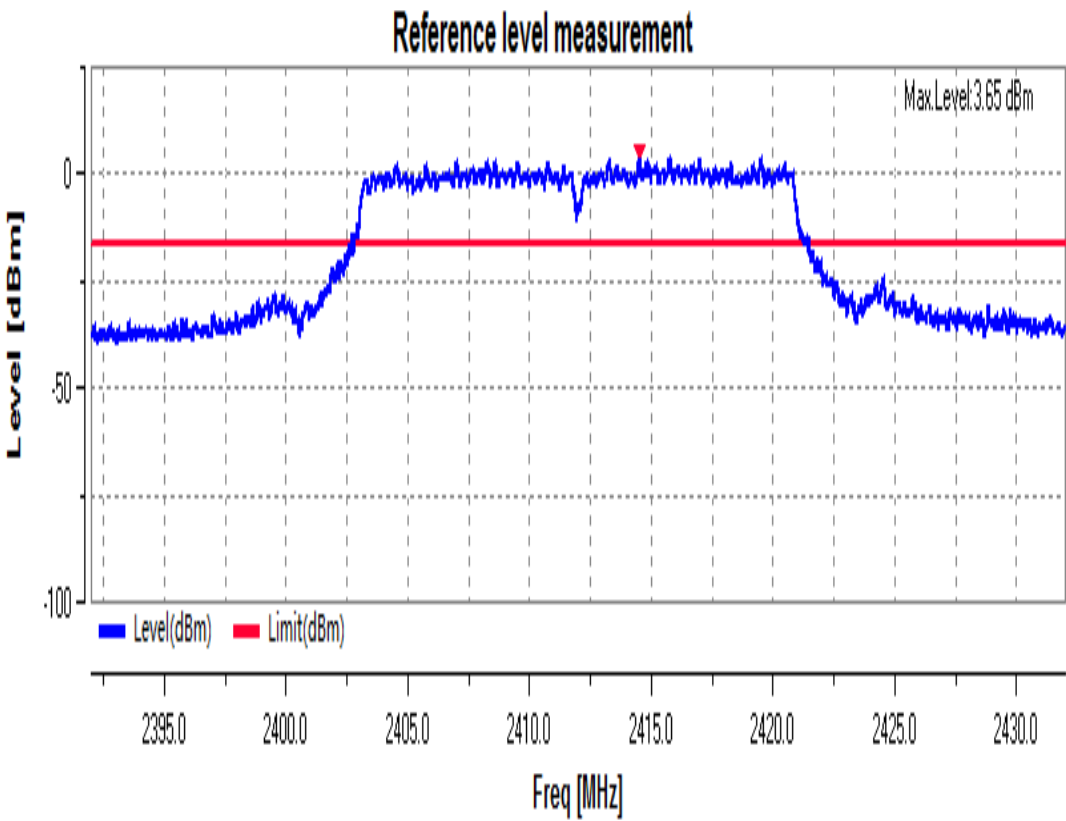
Pref



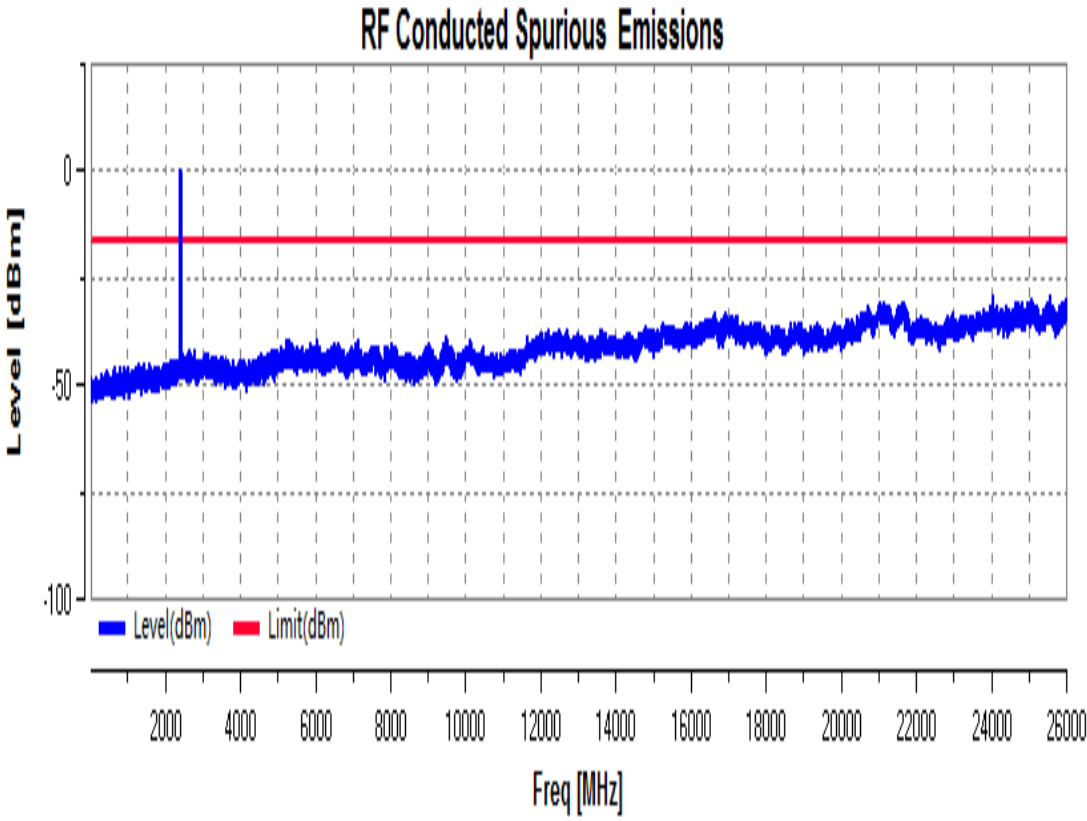
CSE_1



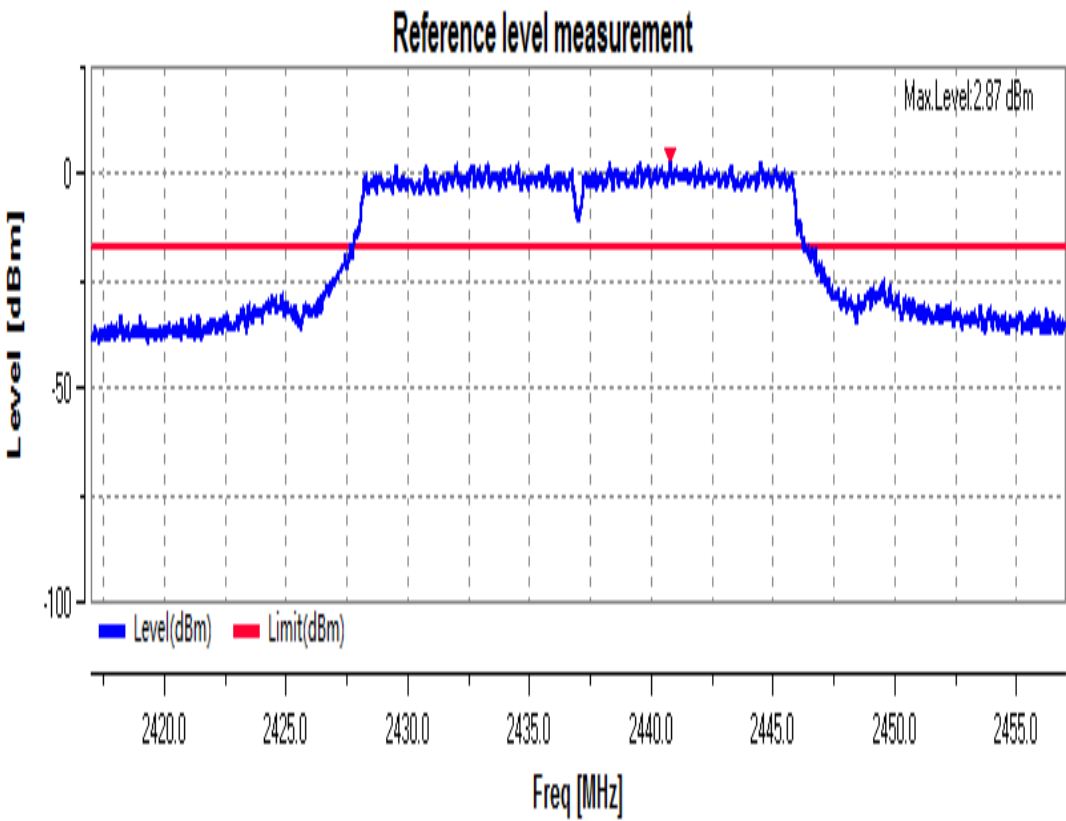
Pref



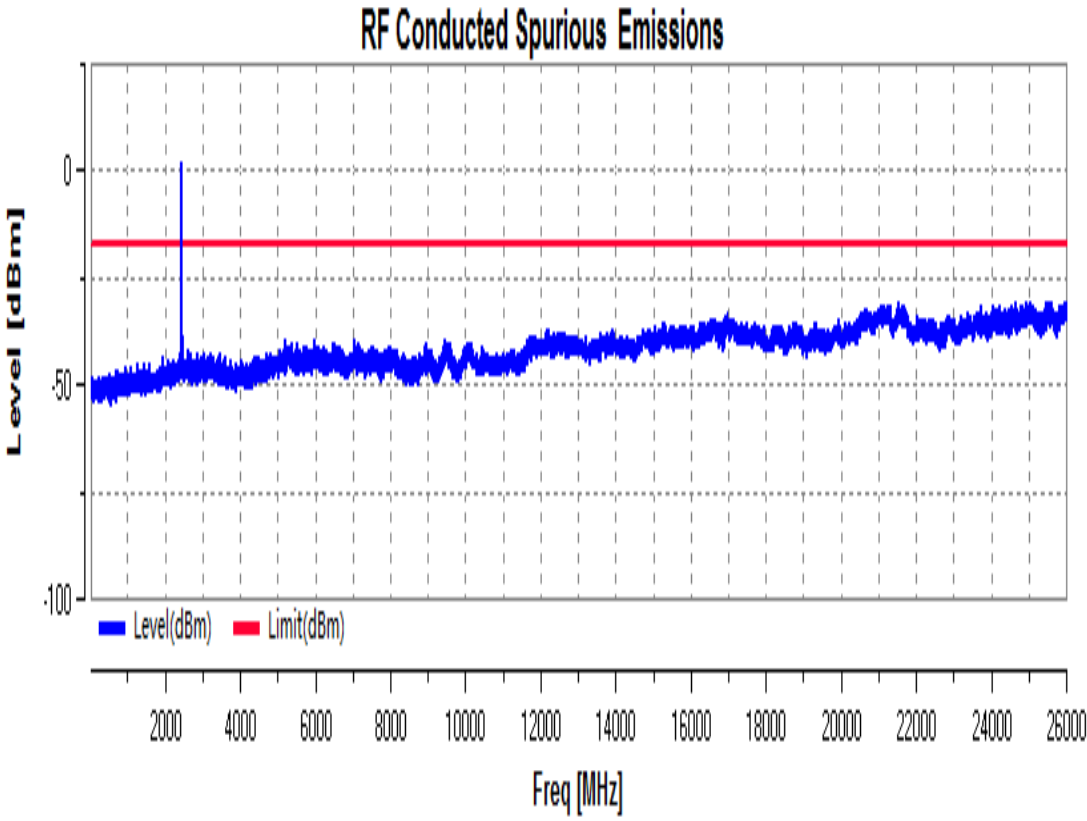
CSE_1



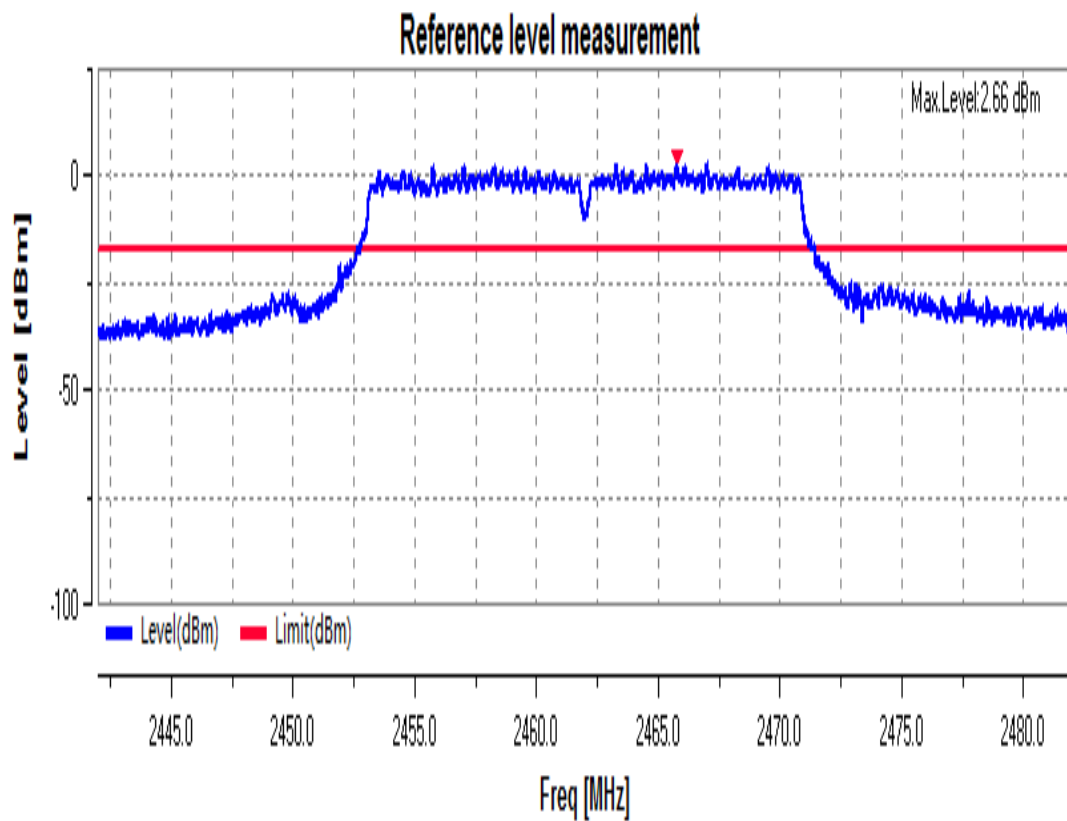
Pref



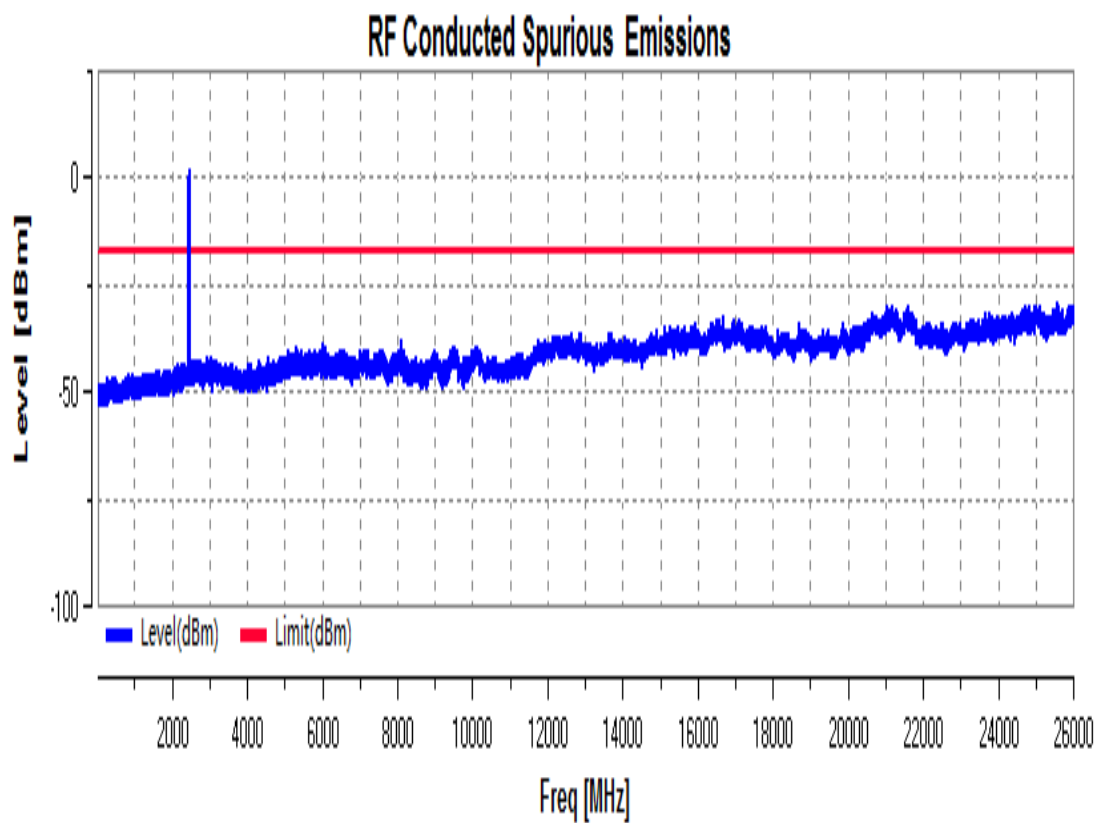
CSE_1



Pref

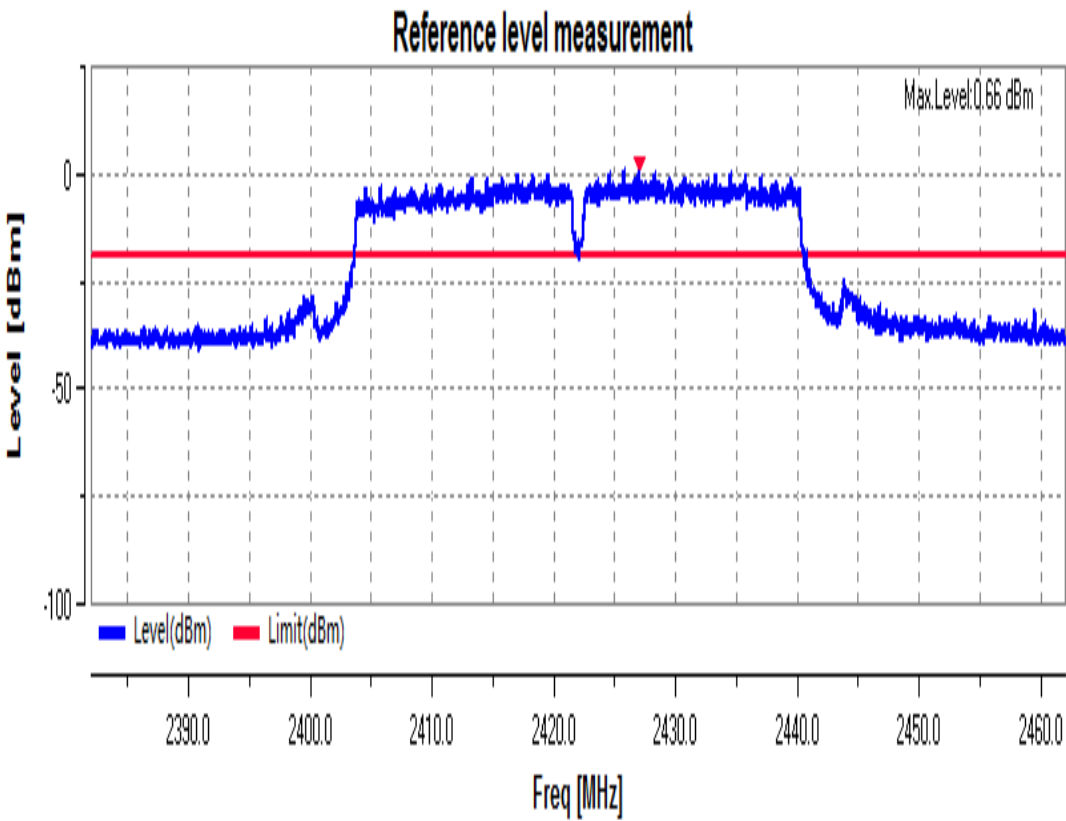


CSE_1

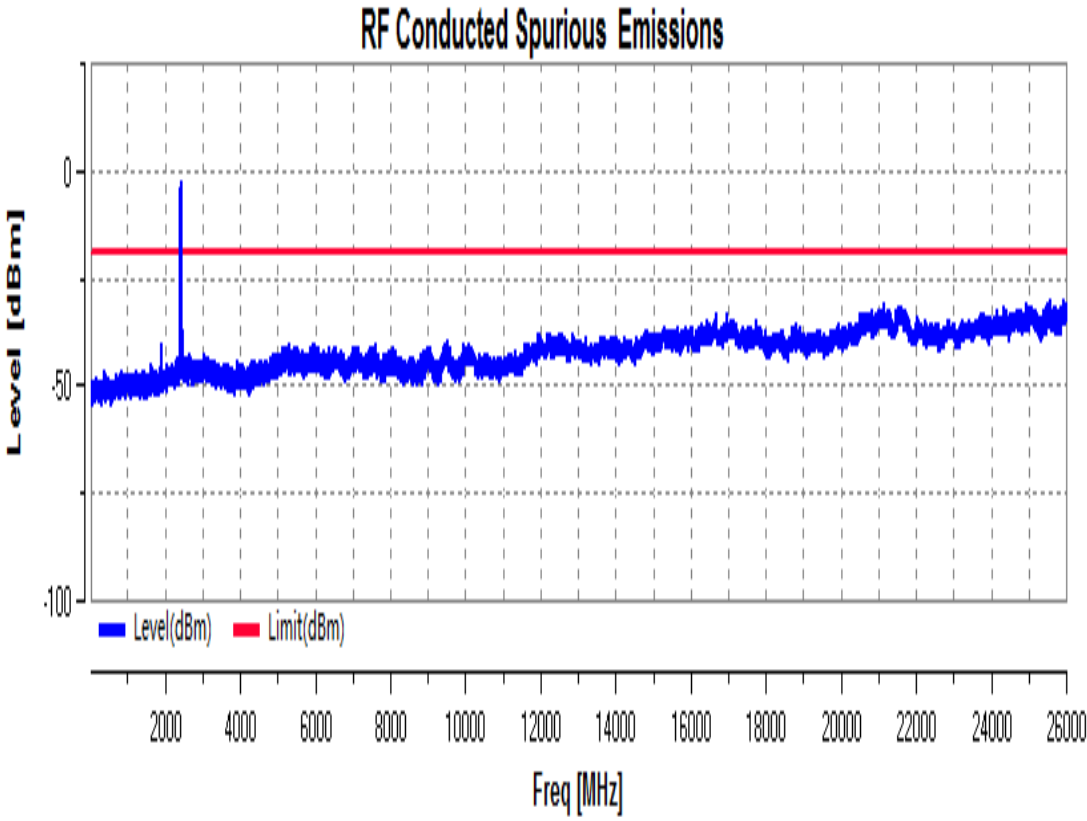


RF Conducted Spurious Emissions_11N40SISO_2422_Ant2

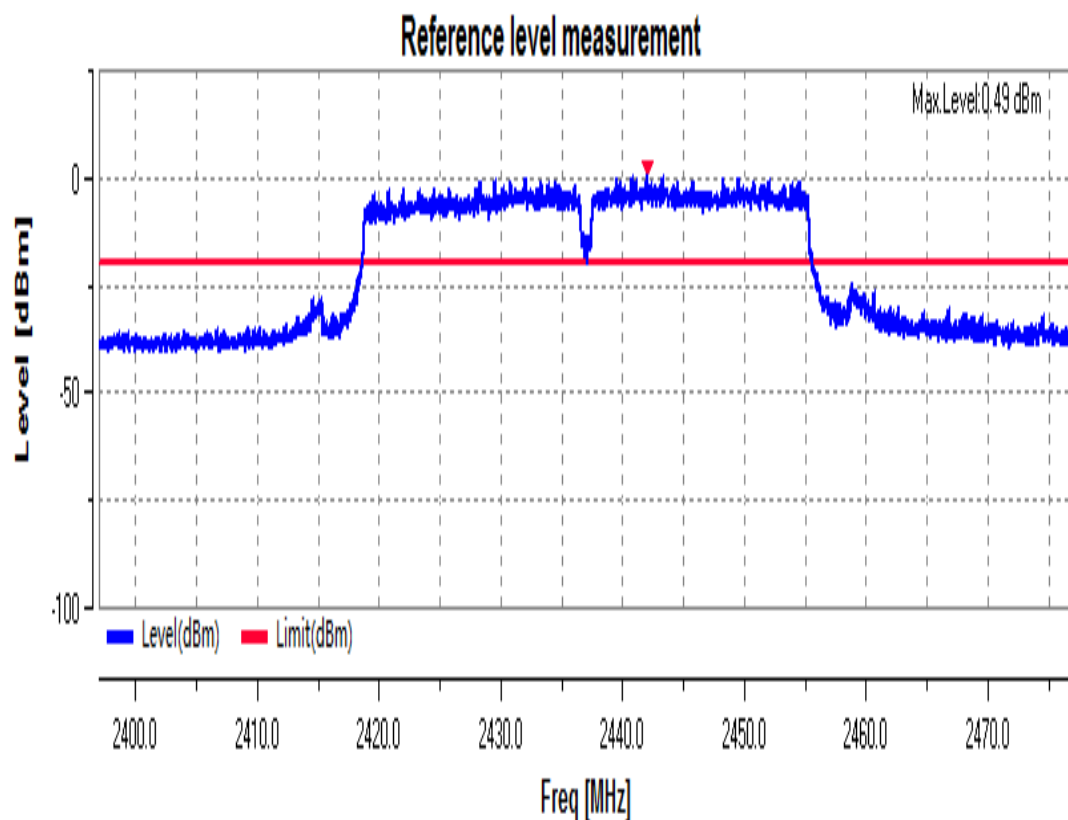
Pref



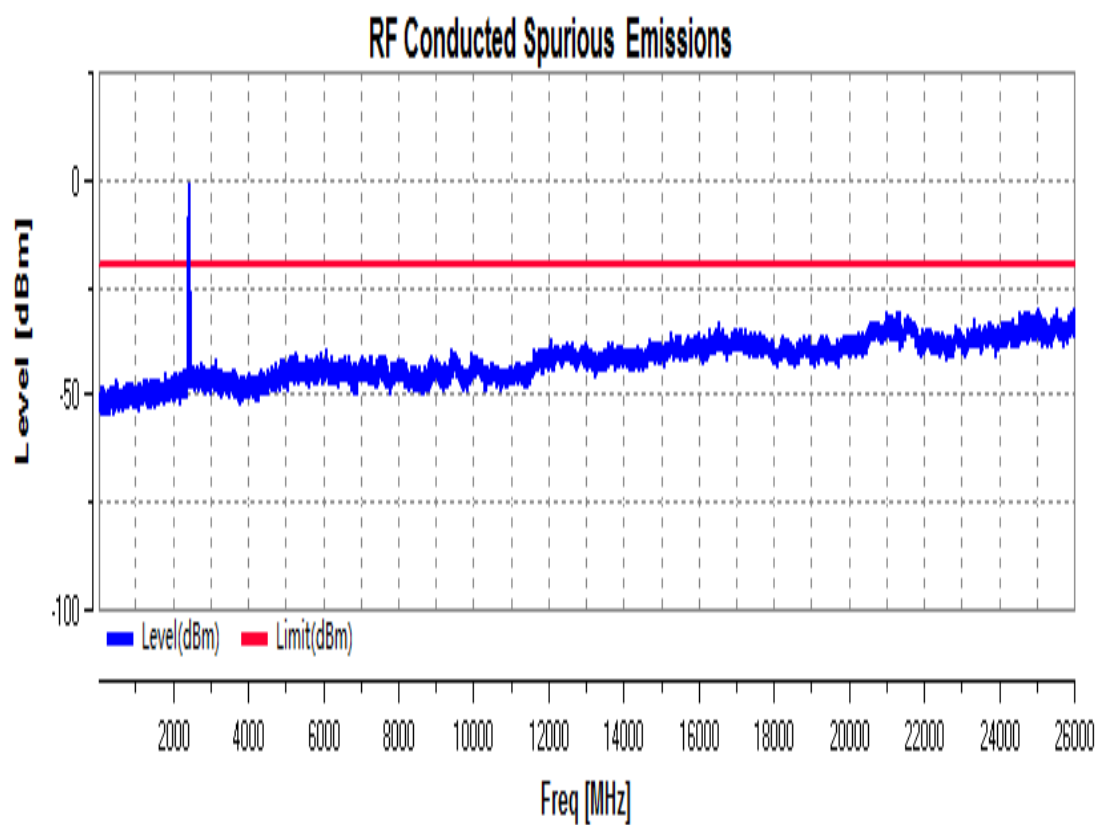
CSE_1



Pref

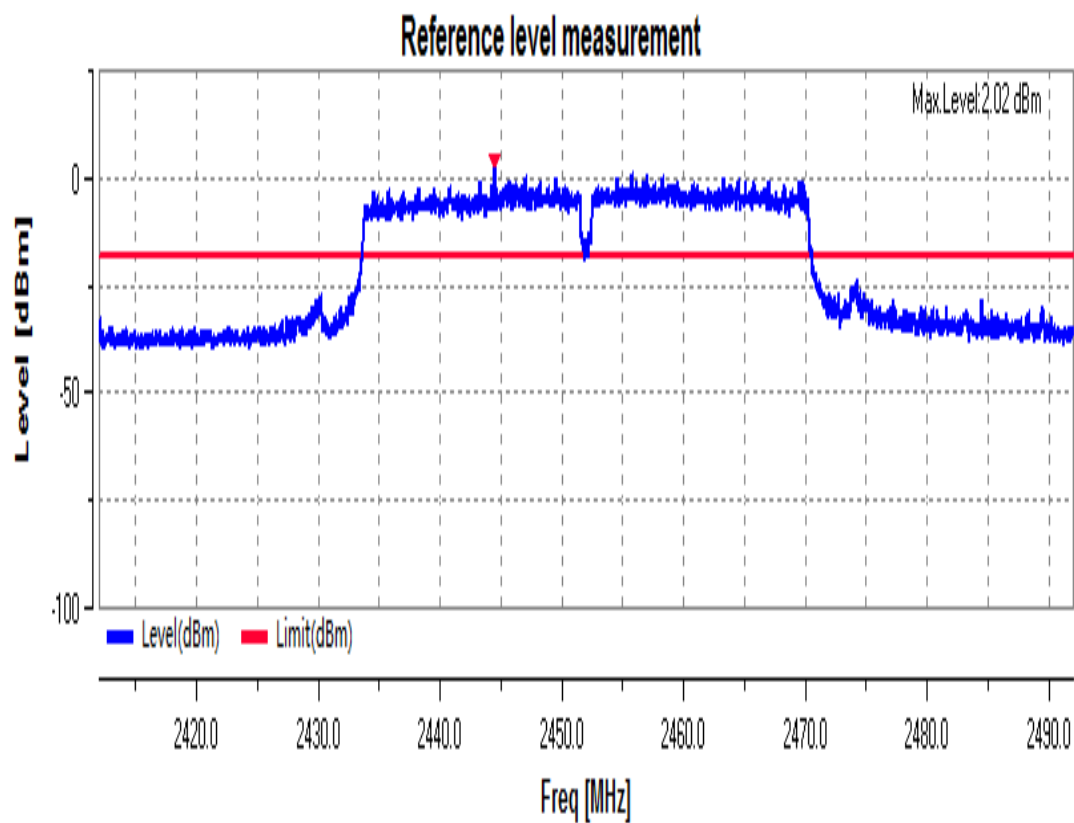


CSE_1



RF Conducted Spurious Emissions_11N40SISO_2452_Ant2

Pref



CSE_1

