



Appendix A SHEM190201116802

1.6dB Bandwidth

Test Mode	Test	EBW[MHz]		Limit	Verdict
		Ant1	Ant2		
11B	2412	8.70	8.71	0.5	PASS
11B	2437	8.70	8.69	0.5	PASS
11B	2462	8.70	8.69	0.5	PASS
11G	2412	16.53	16.53	0.5	PASS
11G	2437	16.53	16.54	0.5	PASS
11G	2462	16.54	16.54	0.5	PASS
11N20SISO	2412	17.82	17.83	0.5	PASS
11N20SISO	2437	17.81	17.82	0.5	PASS
11N20SISO	2462	17.81	17.81	0.5	PASS
11N40SISO	2422	36.43	36.47	0.5	PASS
11N40SISO	2437	36.42	36.47	0.5	PASS
11N40SISO	2452	36.40	36.42	0.5	PASS

6dB Bandwidth_11B_2412_Ant1



6dB Bandwidth_11B_2437_Ant1



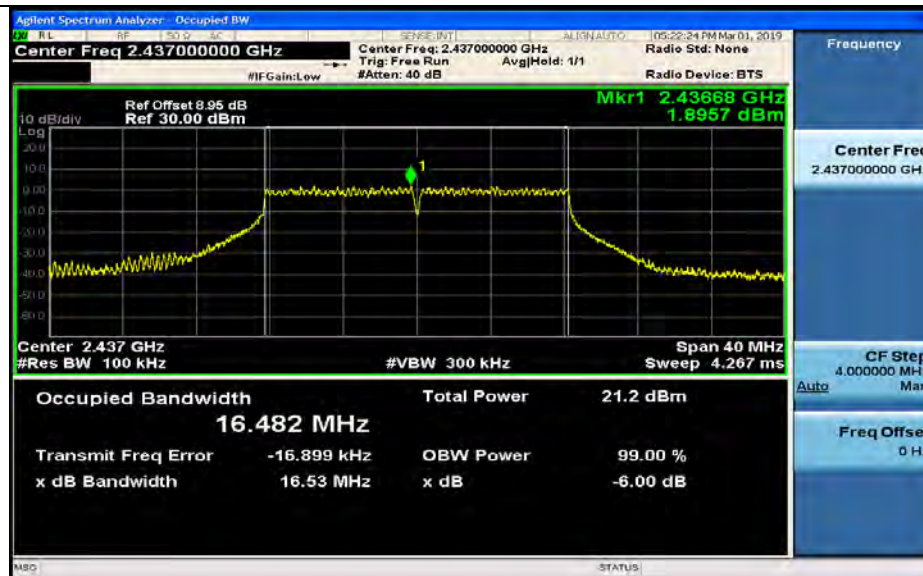
6dB Bandwidth_11B_2462_Ant1



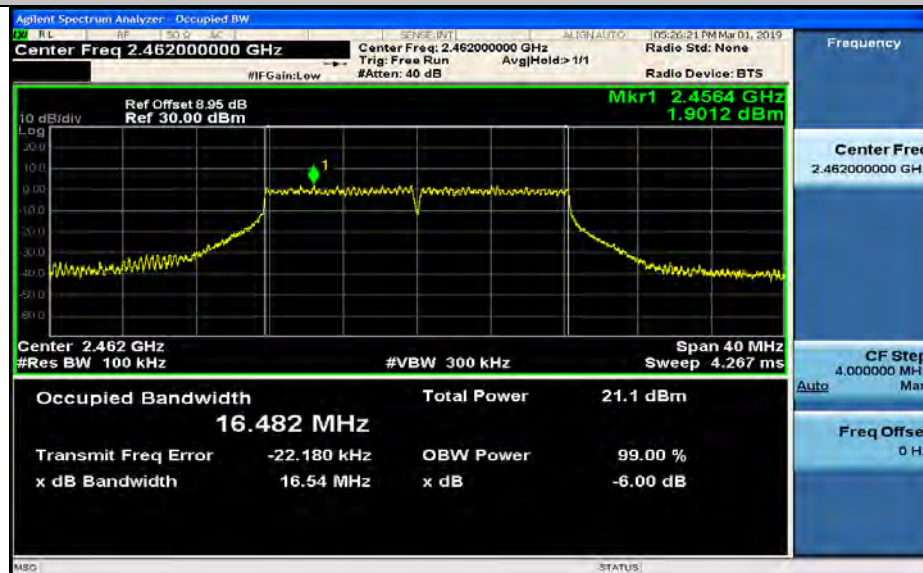
6dB Bandwidth_11G_2412_Ant1



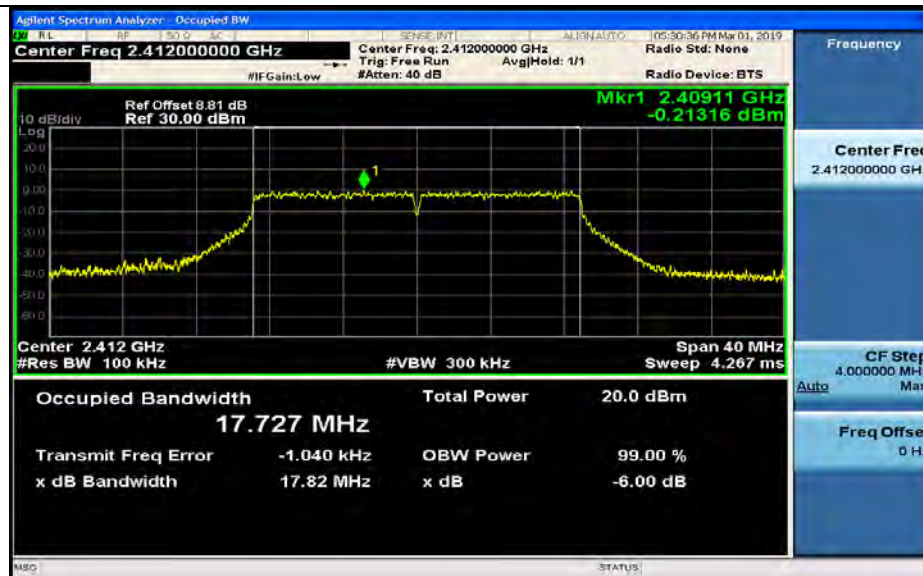
6dB Bandwidth_11G_2437_Ant1



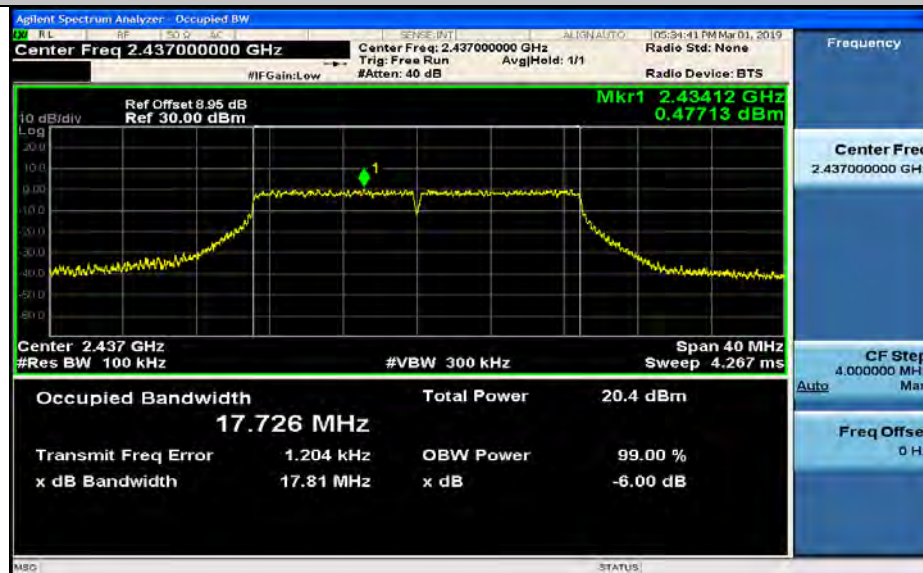
6dB Bandwidth_11G_2462_Ant1



6dB Bandwidth_11N20SISO_2412_Ant1



6dB Bandwidth_11N20SISO_2437_Ant1



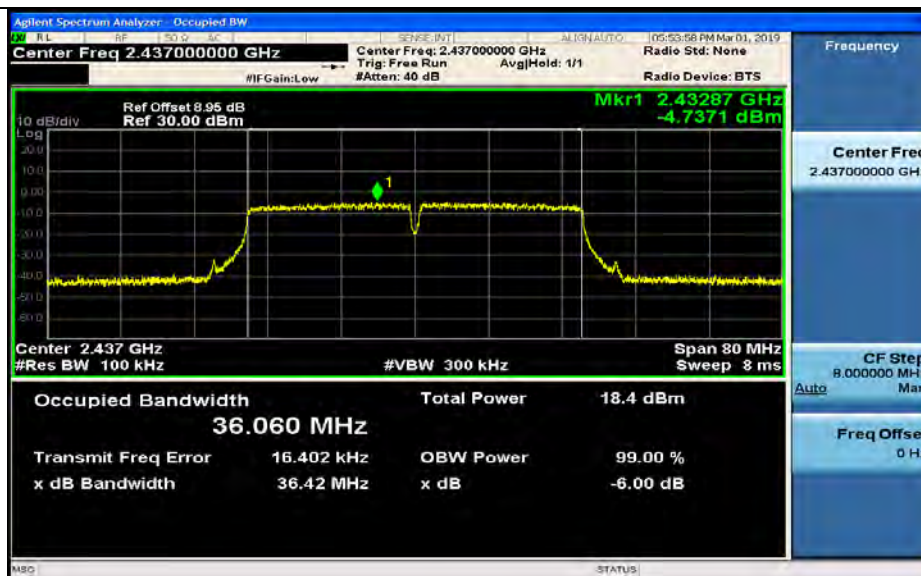
6dB Bandwidth_11N20SISO_2462_Ant1



6dB Bandwidth_11N40SISO_2422_Ant1



6dB Bandwidth_11N40SISO_2437_Ant1



6dB Bandwidth_11N40SISO_2452_Ant1



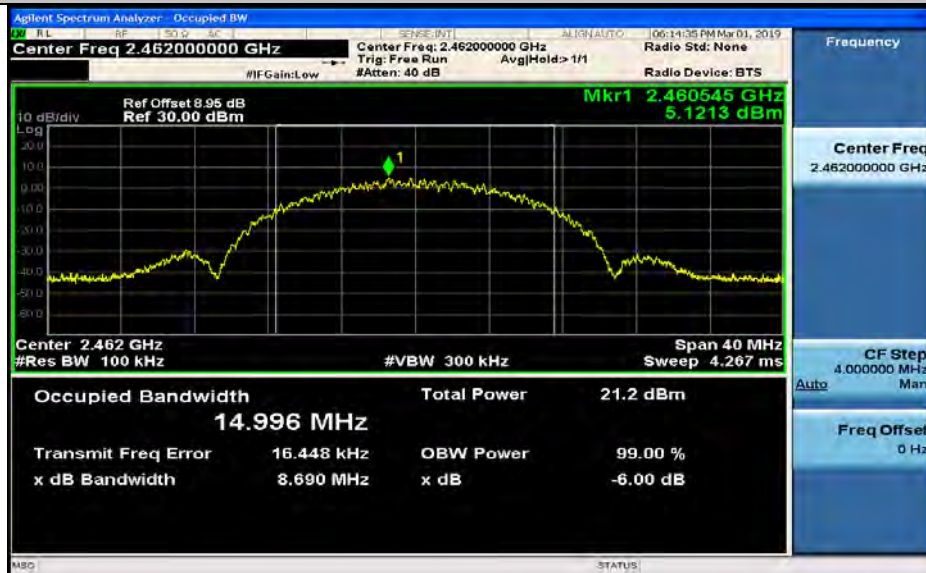
6dB Bandwidth_11B_2412_Ant2



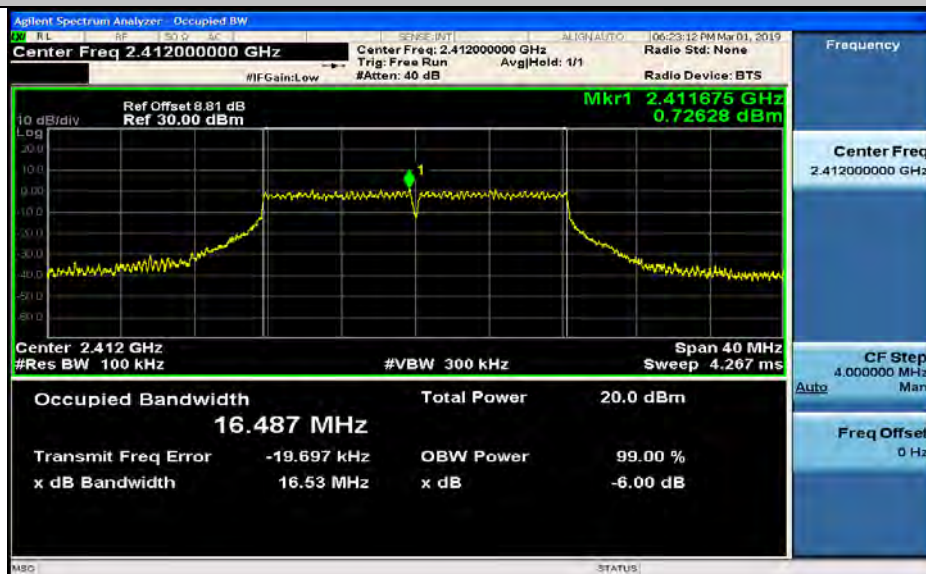
6dB Bandwidth_11B_2437_Ant2



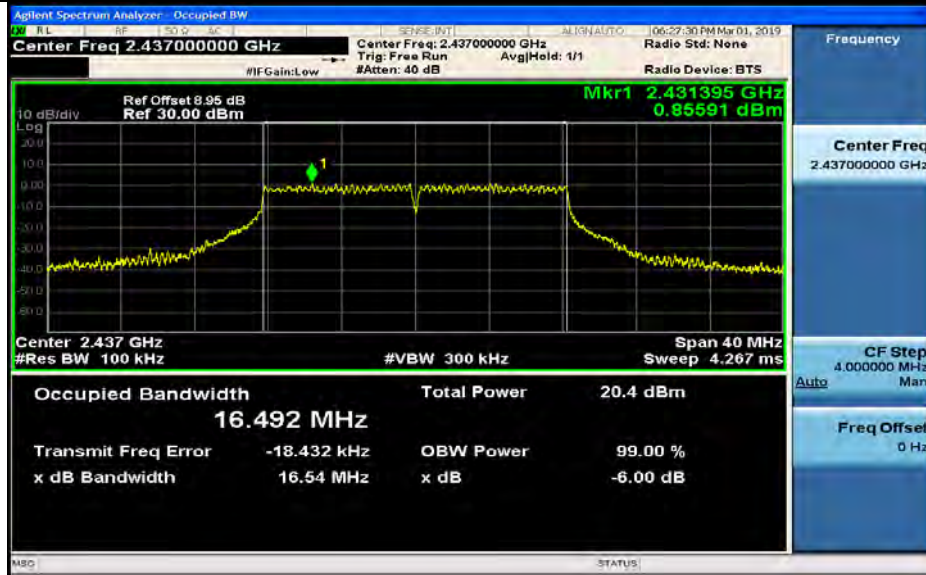
6dB Bandwidth_11B_2462_Ant2



6dB Bandwidth_11G_2412_Ant2



6dB Bandwidth_11G_2437_Ant2



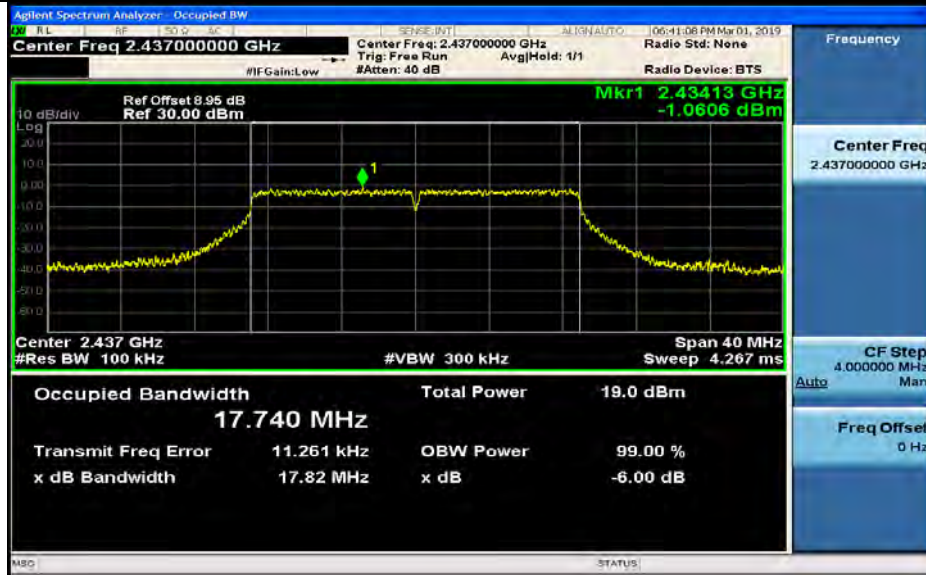
6dB Bandwidth_11G_2462_Ant2



6dB Bandwidth_11N20SISO_2412_Ant2



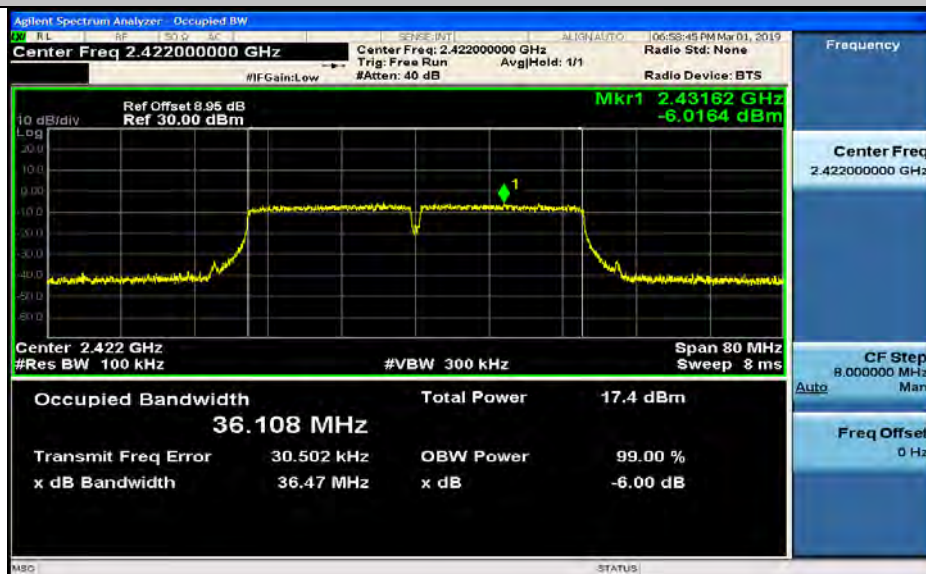
6dB Bandwidth_11N20SISO_2437_Ant2



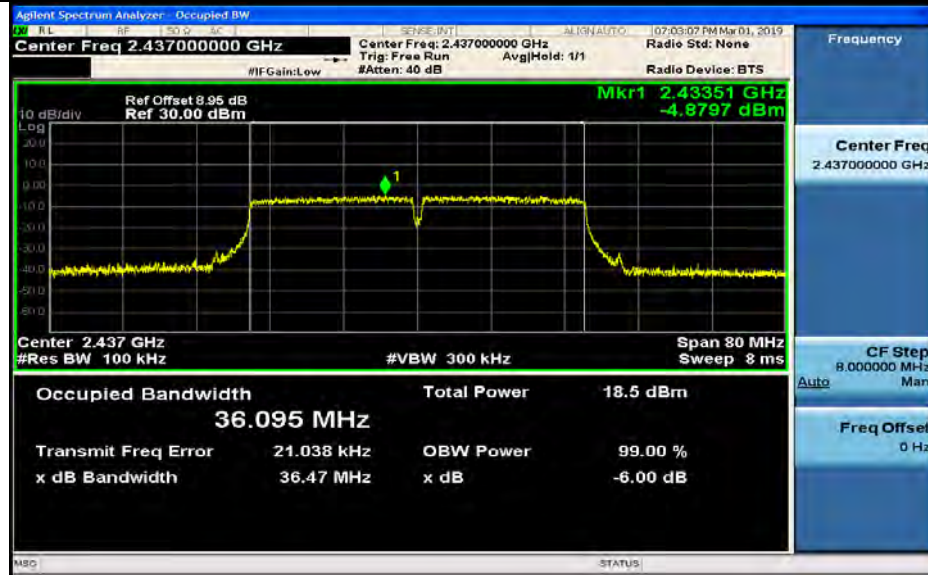
6dB Bandwidth_11N20SISO_2462_Ant2



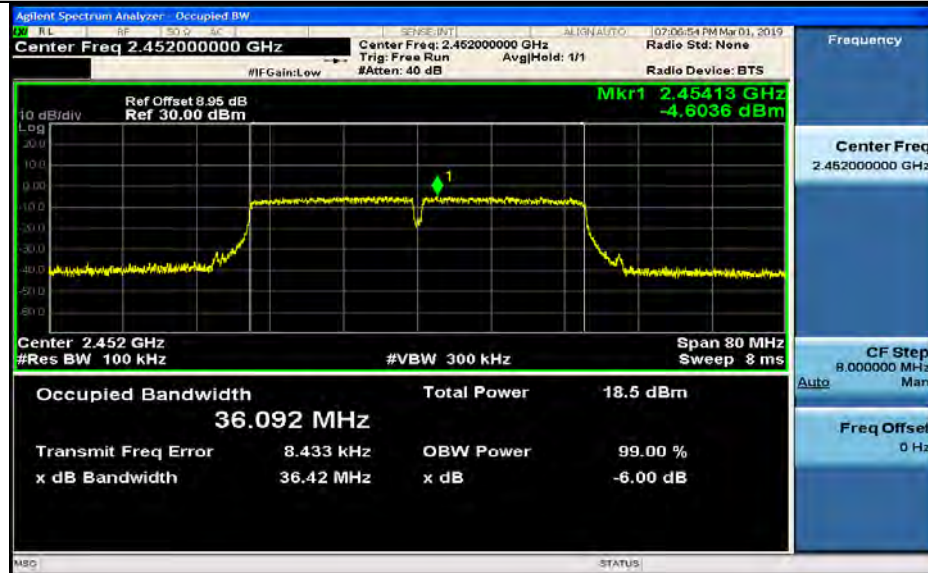
6dB Bandwidth_11N40SISO_2422_Ant2



6dB Bandwidth_11N40SISO_2437_Ant2



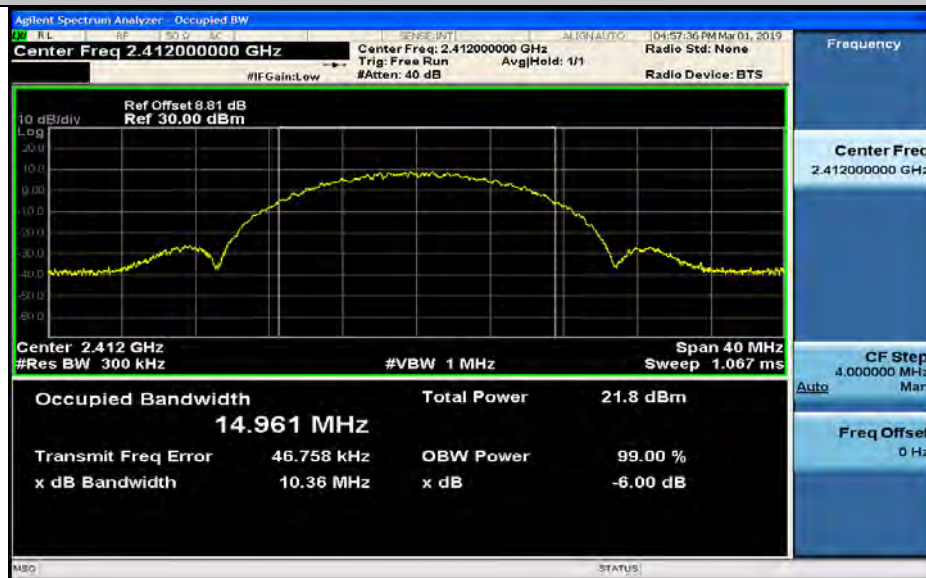
6dB Bandwidth_11N40SISO_2452_Ant2



**2.Occupied Bandwidth**

Test Mode	Test Channel	OBW[MHz]		Limit[MHz]	Verdict
		Ant1	Ant2		
11B	2412	14.96	14.96	---	PASS
11B	2437	14.95	14.96	---	PASS
11B	2462	14.96	14.98	---	PASS
11G	2412	16.78	16.80	---	PASS
11G	2437	16.77	16.80	---	PASS
11G	2462	16.79	16.81	---	PASS
11N20SISO	2412	18.04	18.08	---	PASS
11N20SISO	2437	18.03	18.07	---	PASS
11N20SISO	2462	18.03	18.07	---	PASS
11N40SISO	2422	36.60	36.68	---	PASS
11N40SISO	2437	36.53	36.64	---	PASS
11N40SISO	2452	36.59	36.62	---	PASS

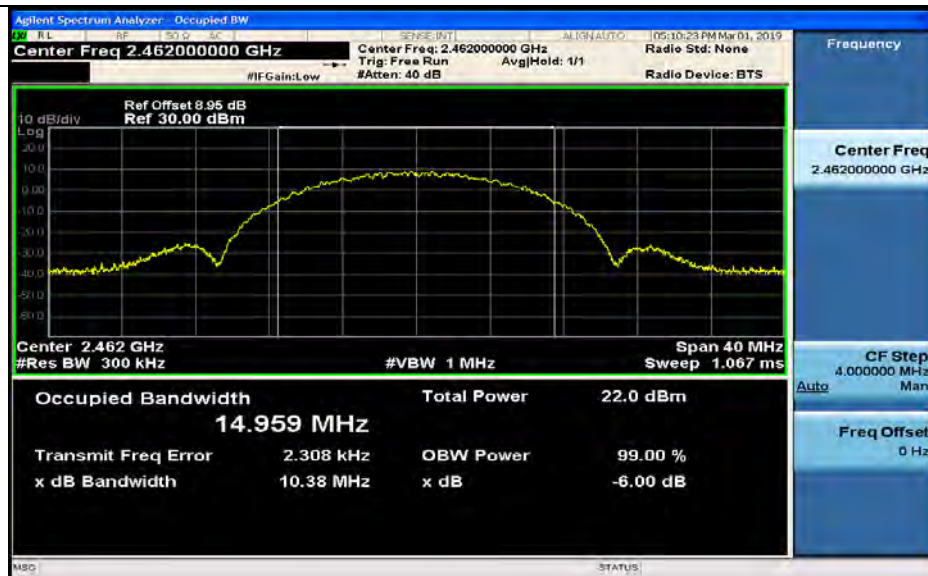
Occupied Bandwidth_11B_2412_Ant1



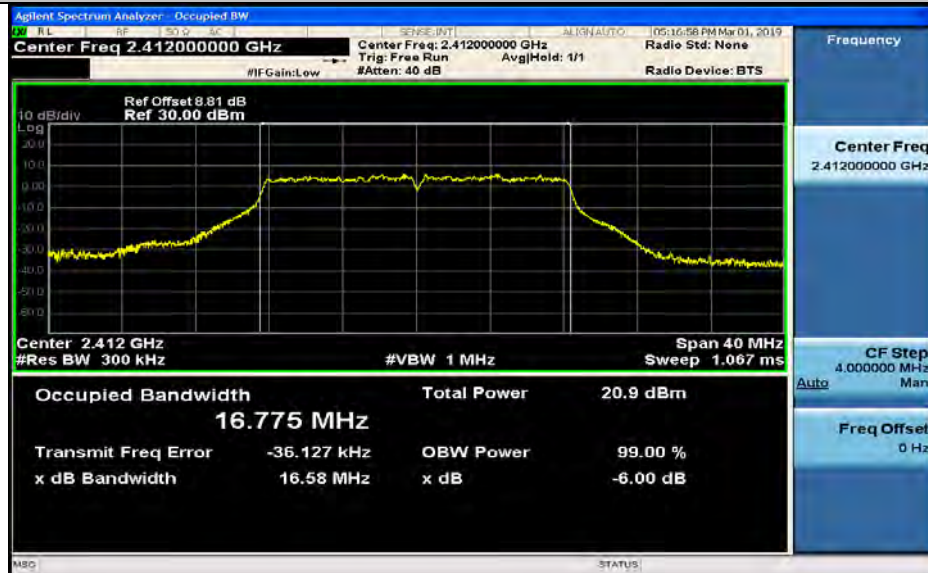
Occupied Bandwidth_11B_2437_Ant1



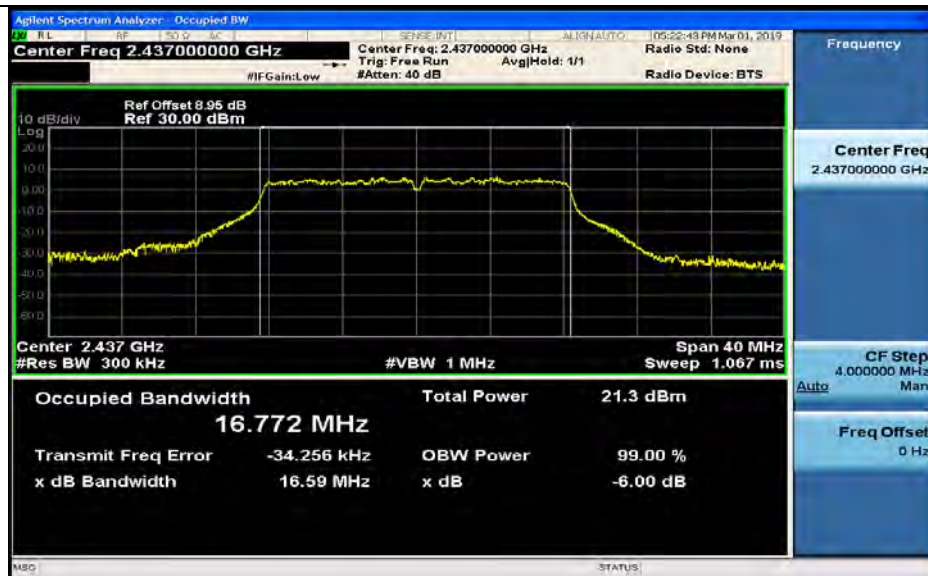
Occupied Bandwidth_11B_2462_Ant1



Occupied Bandwidth_11G_2412_Ant1



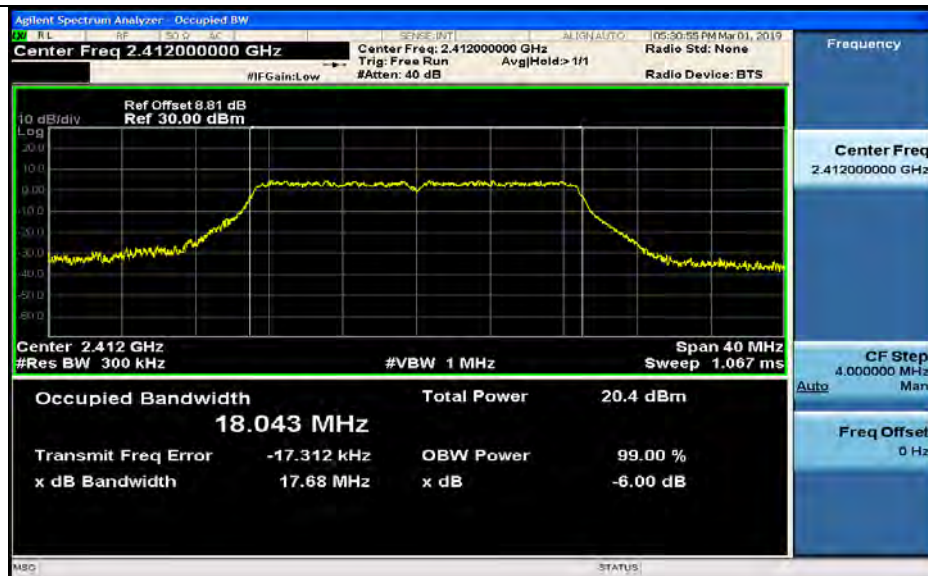
Occupied Bandwidth_11G_2437_Ant1



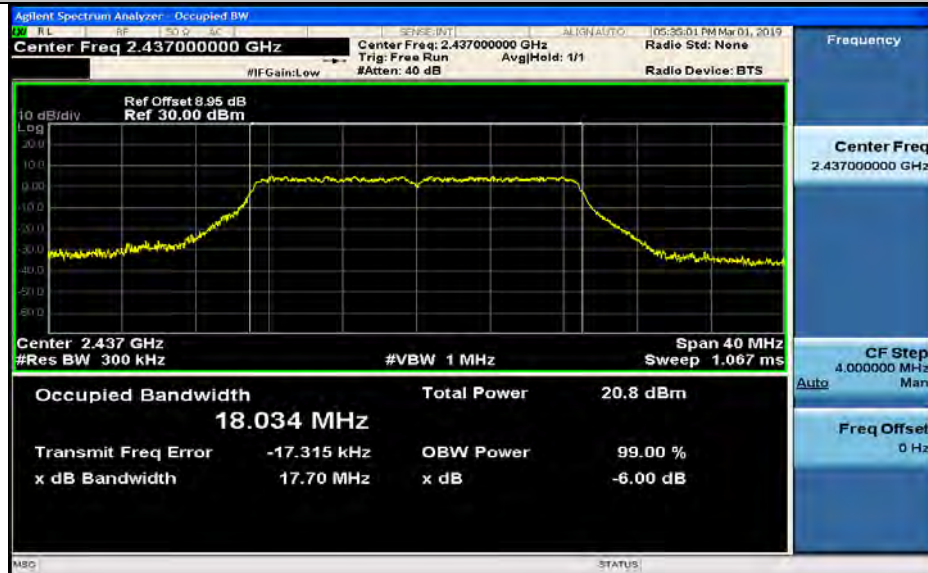
Occupied Bandwidth_11G_2462_Ant1



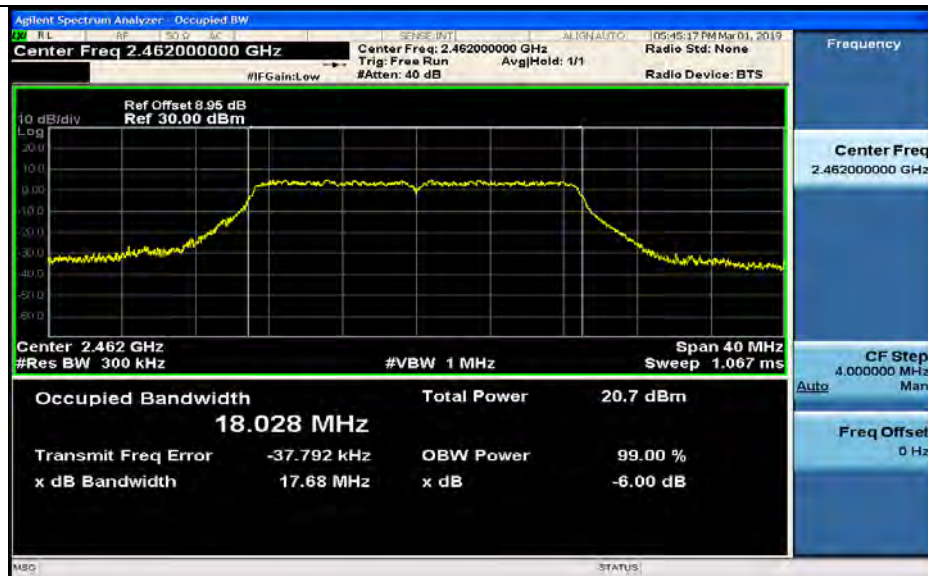
Occupied Bandwidth_11N20SISO_2412_Ant1



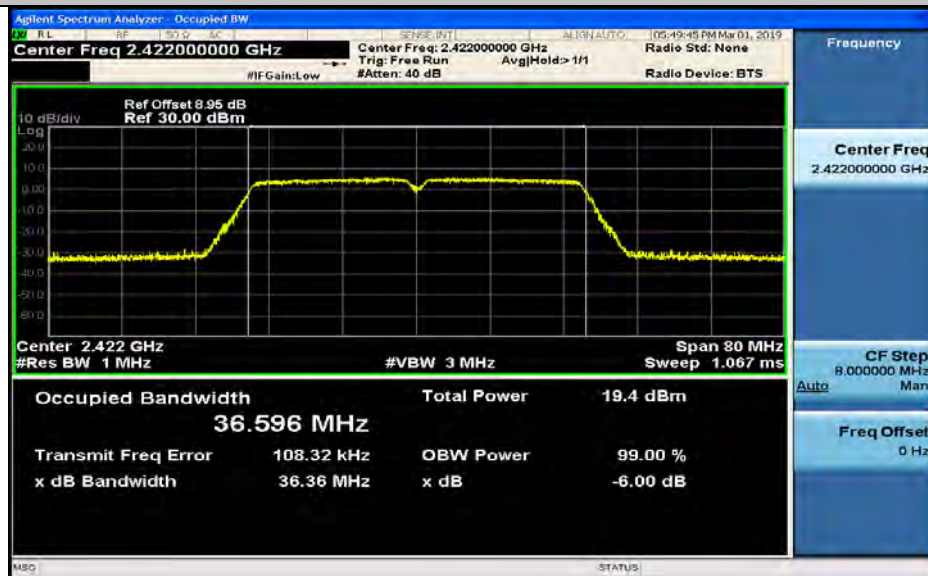
Occupied Bandwidth_11N20SISO_2437_Ant1



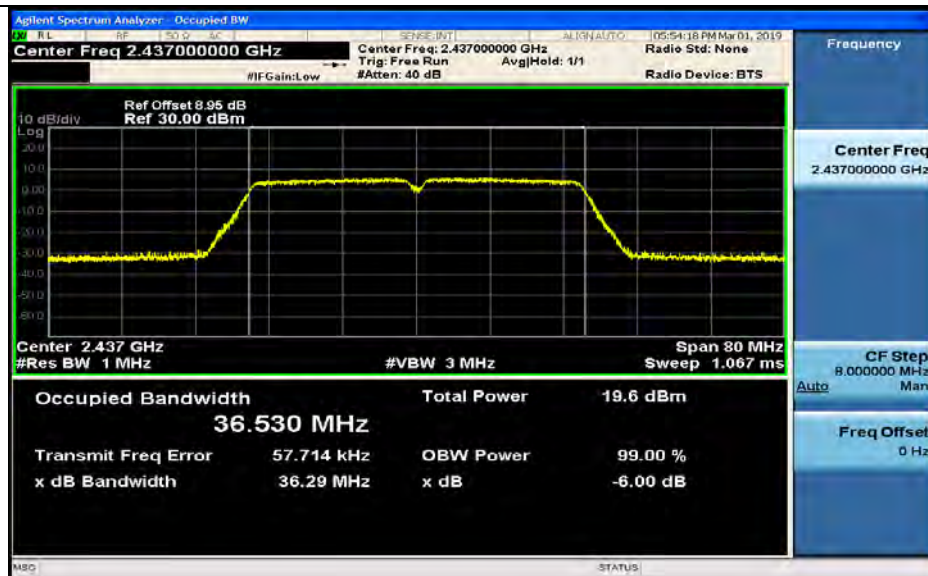
Occupied Bandwidth_11N20SISO_2462_Ant1



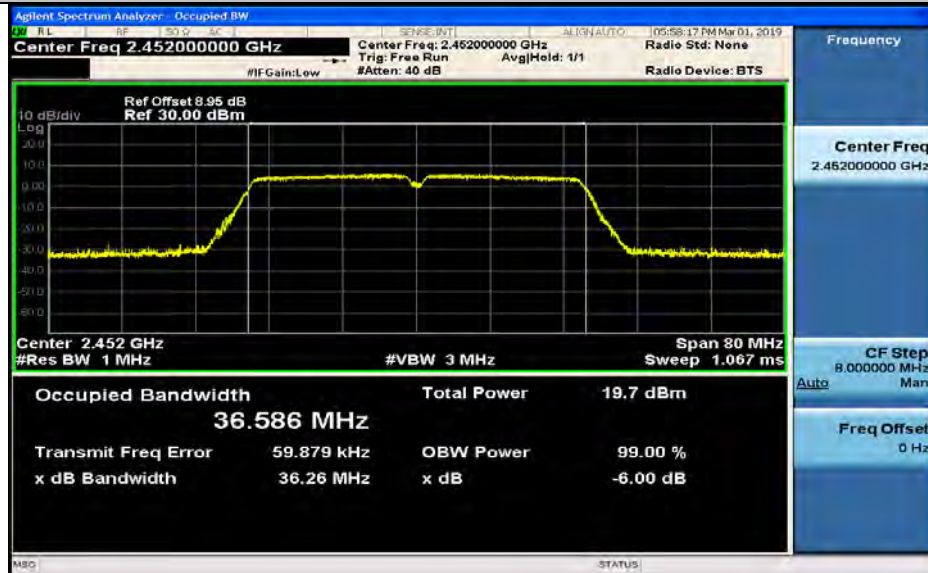
Occupied Bandwidth_11N40SISO_2422_Ant1



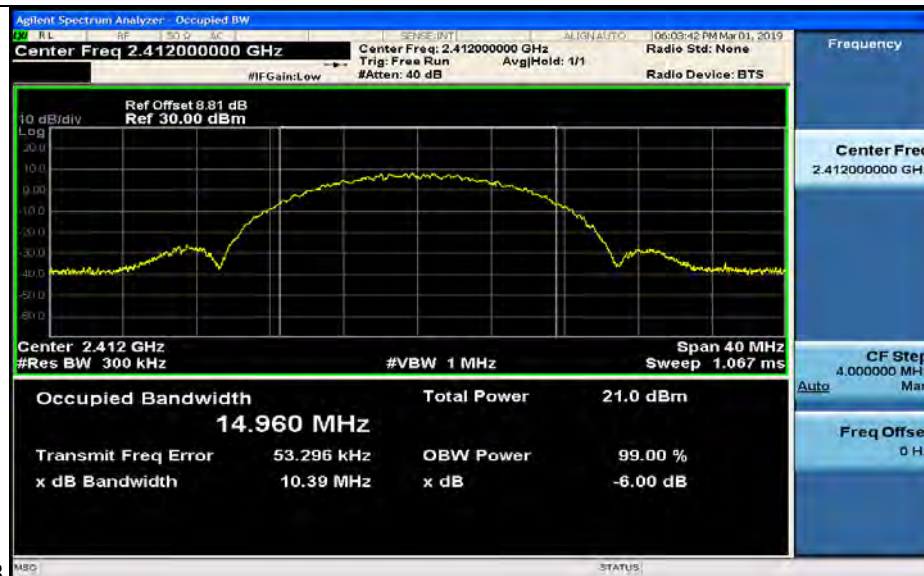
Occupied Bandwidth_11N40SISO_2437_Ant1



Occupied Bandwidth_11N40SISO_2452_Ant1

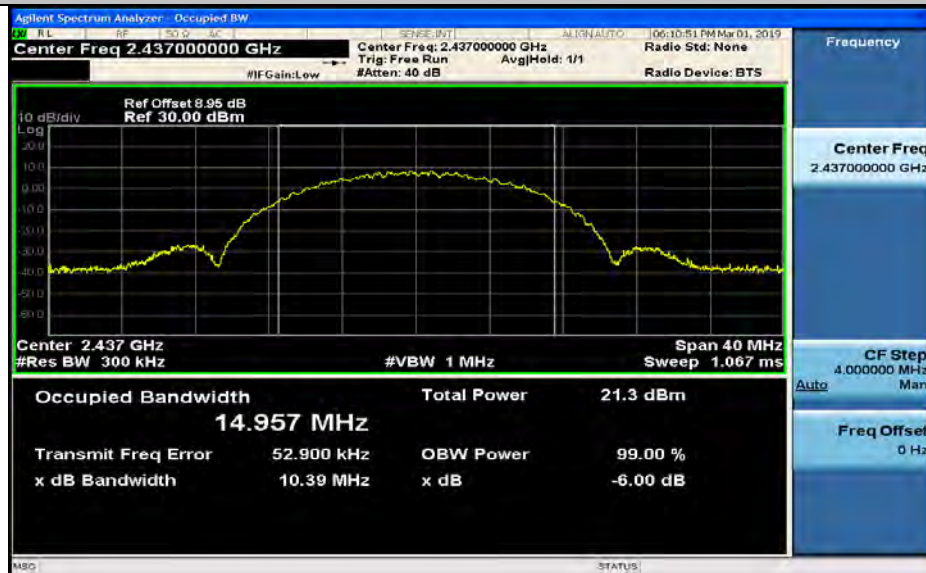


Occupied Bandwidth_11B_2412_Ant2

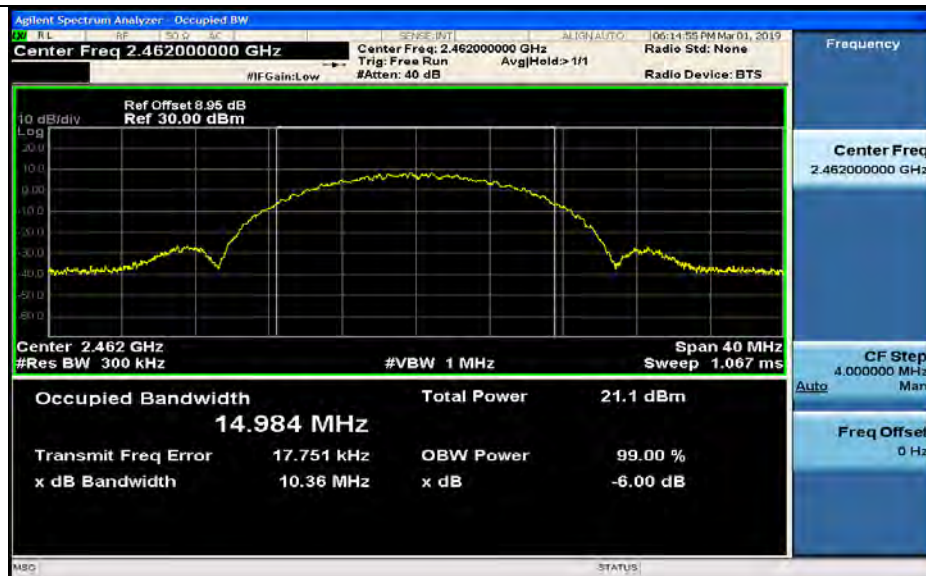


8.

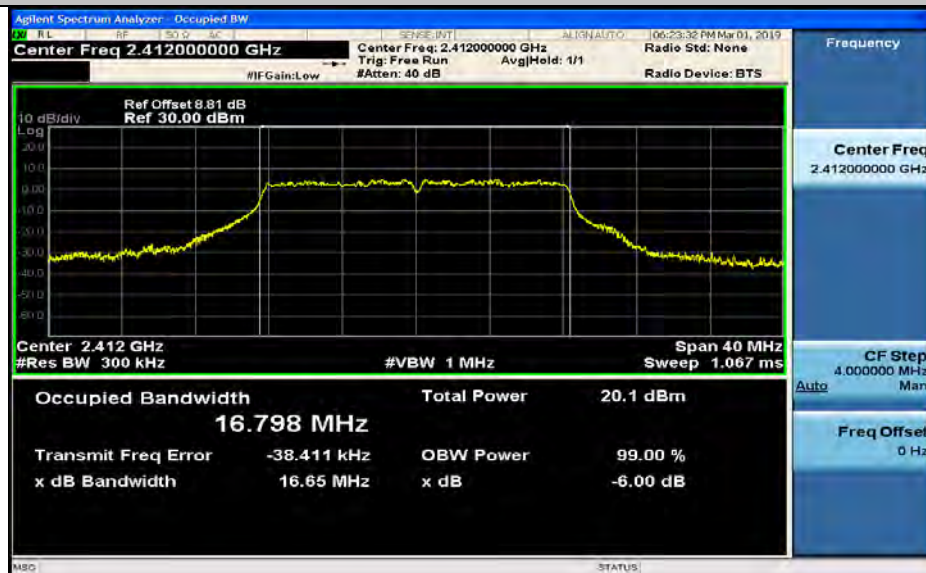
Occupied Bandwidth_11B_2437_Ant2



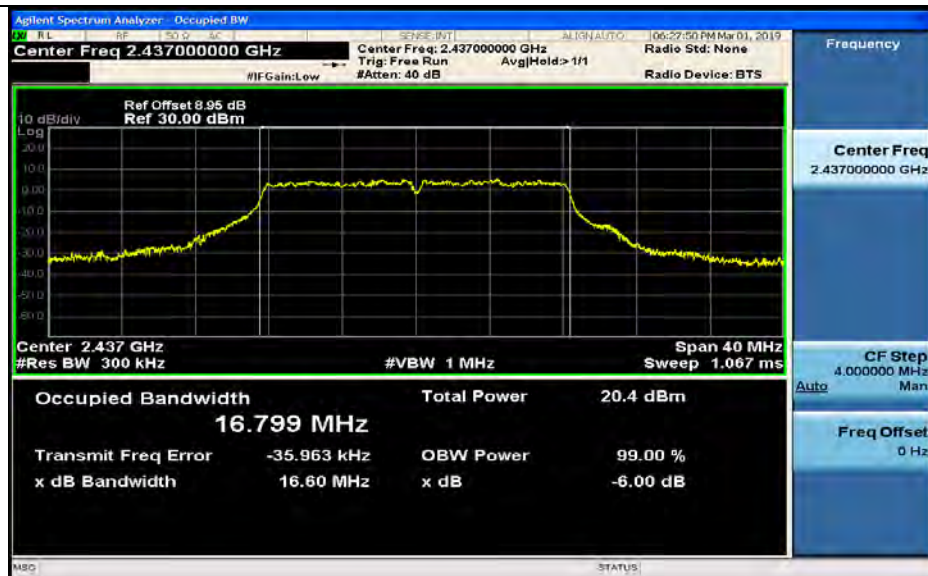
Occupied Bandwidth_11B_2462_Ant2



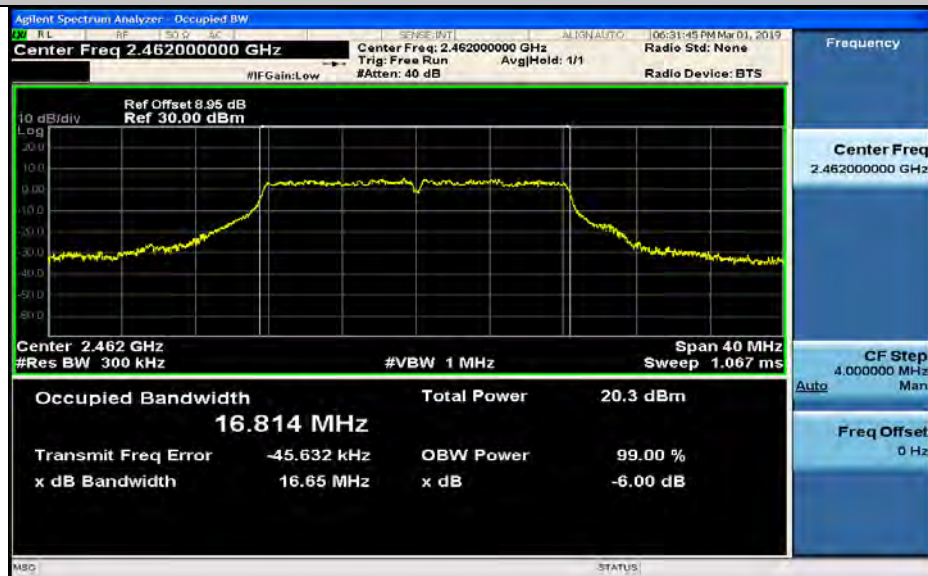
Occupied Bandwidth_11G_2412_Ant2



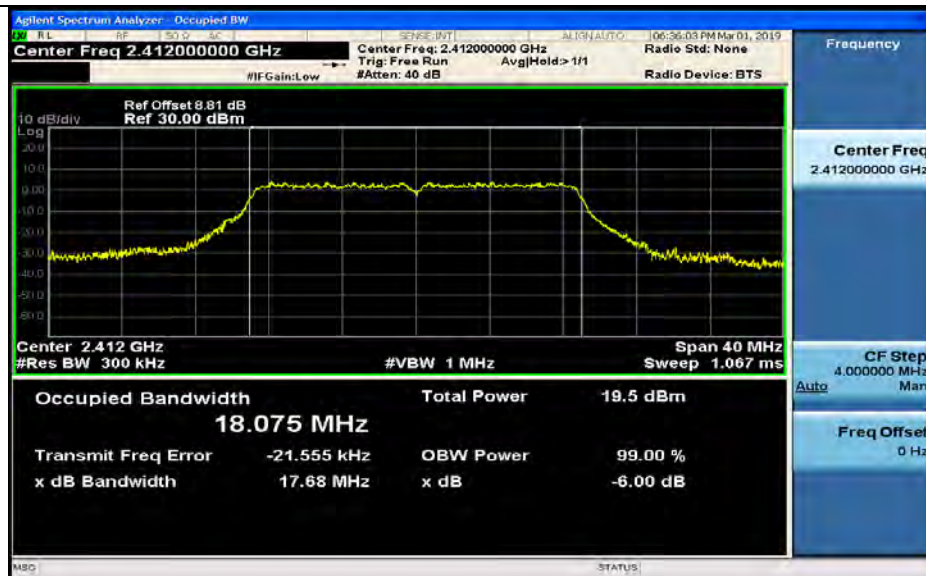
Occupied Bandwidth_11G_2437_Ant2



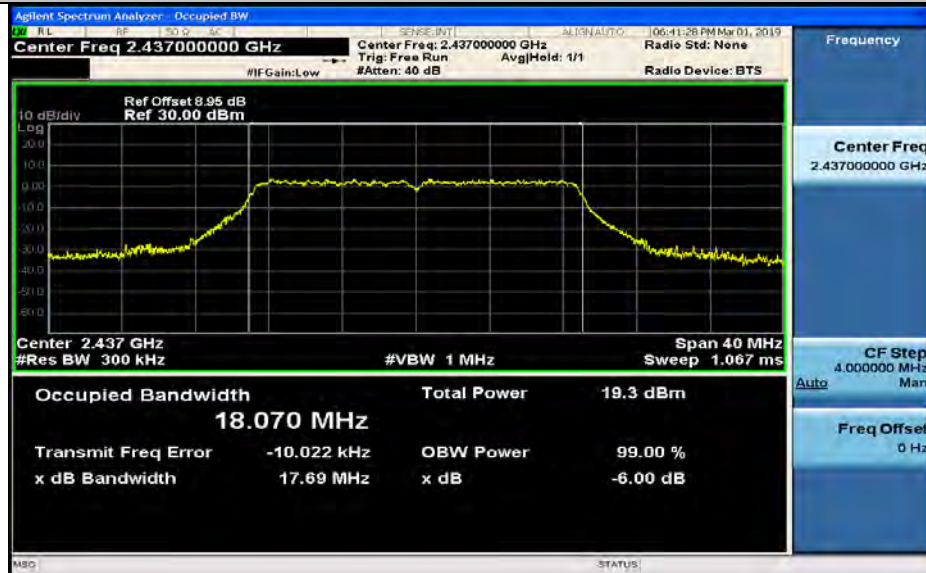
Occupied Bandwidth_11G_2462_Ant2



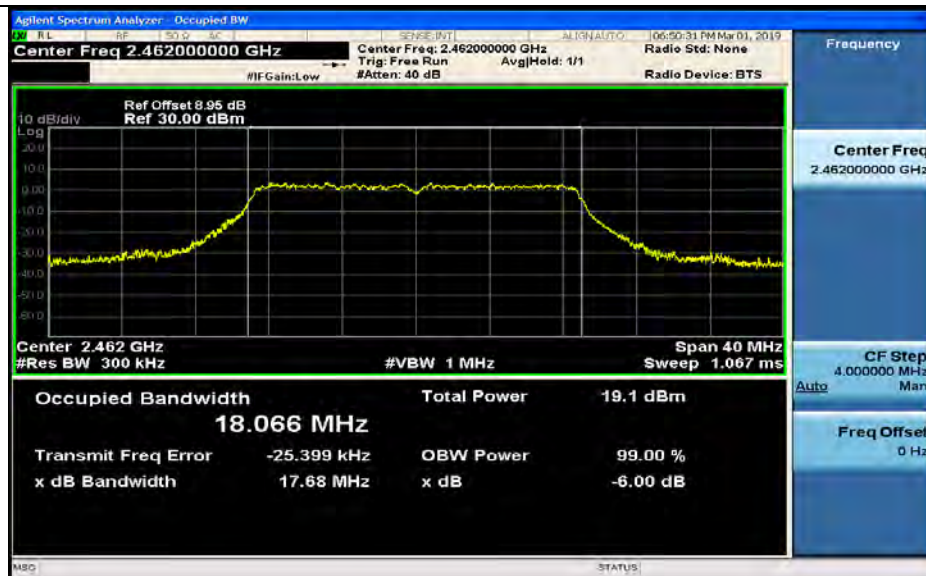
Occupied Bandwidth_11N20SISO_2412_Ant2



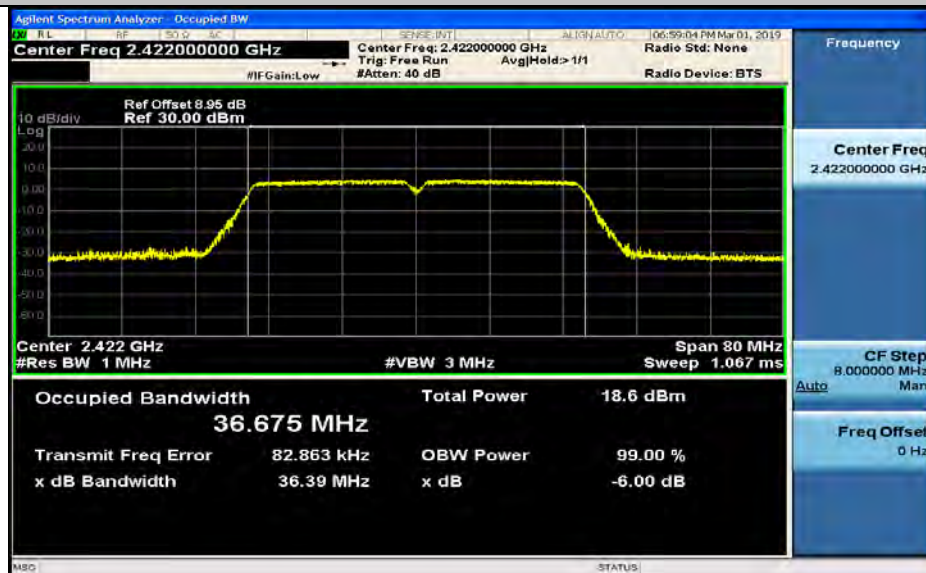
Occupied Bandwidth_11N20SISO_2437_Ant2



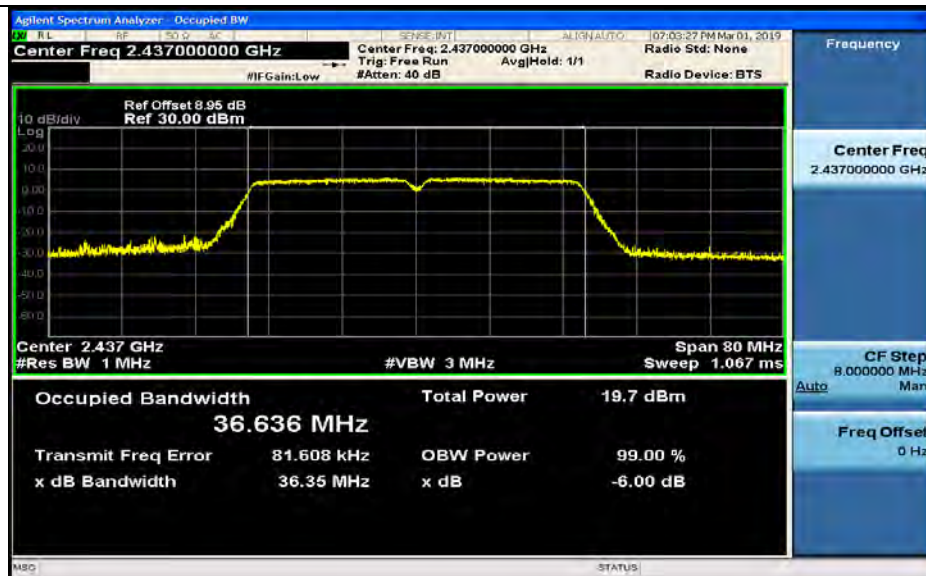
Occupied Bandwidth_11N20SISO_2462_Ant2



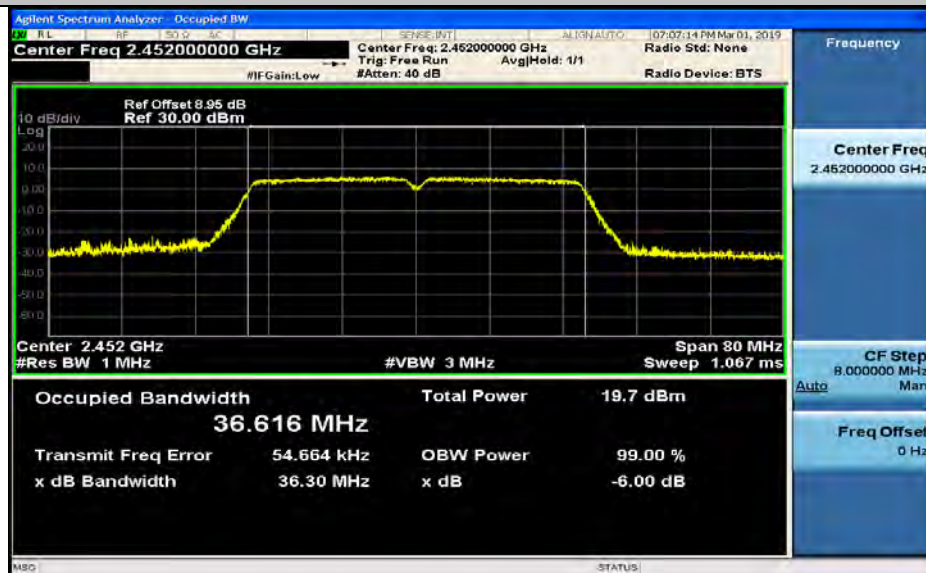
Occupied Bandwidth_11N40SISO_2422_Ant2



Occupied Bandwidth_11N40SISO_2437_Ant2



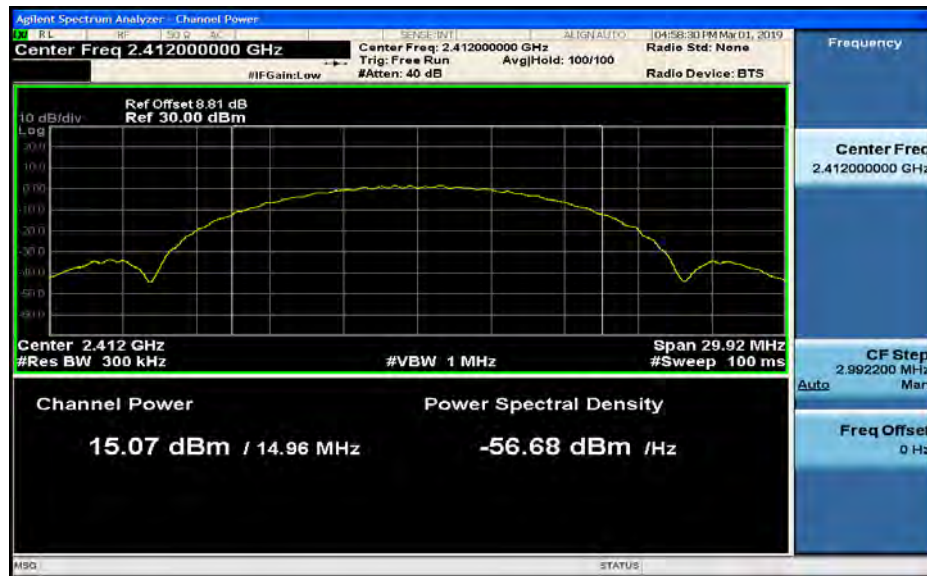
Occupied Bandwidth_11N40SISO_2452_Ant2



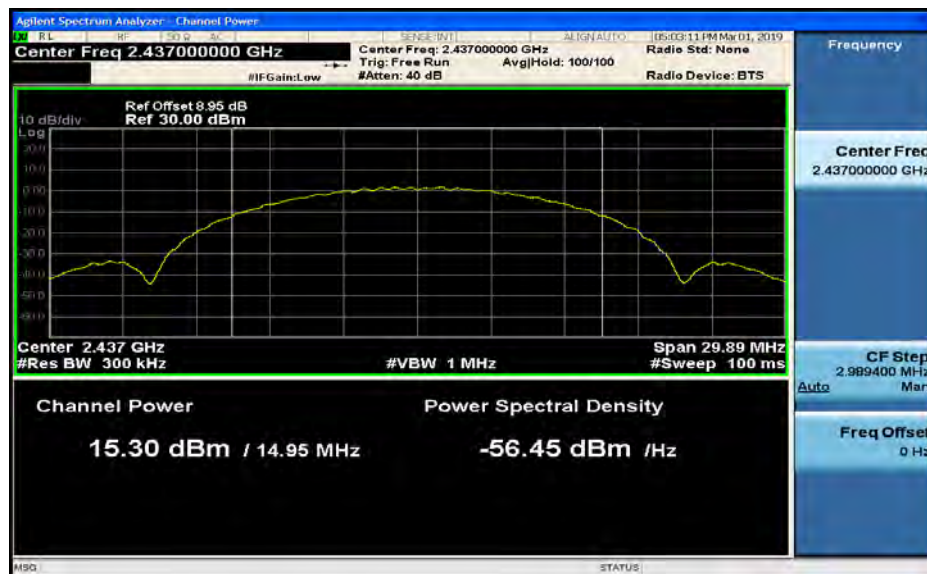
3.Maximum conducted (average) output power

Test Mode	Test Channel	Level [dBm]		10log(1/x) Factor[dB]		Power [dBm]			Limit [dBm]	Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	MIMO		
11B	2412	15.07	14.28	0.00	0.00	15.07	14.28	NA	30	PASS
11B	2437	15.3	14.54	0.00	0.00	15.30	14.54	NA	30	PASS
11B	2462	15.17	14.36	0.00	0.00	15.17	14.36	NA	30	PASS
11G	2412	14.14	13.34	0.00	0.00	14.14	13.34	NA	30	PASS
11G	2437	14.55	13.65	0.00	0.00	14.55	13.65	NA	30	PASS
11G	2462	14.41	13.54	0.00	0.00	14.41	13.54	NA	30	PASS
11N20	2412	14.18	13.08	0.00	0.00	14.18	13.08	16.68	30	PASS
11N20	2437	14.58	13.05	0.00	0.00	14.58	13.05	16.89	30	PASS
11N20	2462	14.43	12.85	0.00	0.00	14.43	12.85	16.72	30	PASS
11N40	2422	12.23	11.44	0.00	0.00	12.23	11.44	14.86	30	PASS
11N40	2437	12.43	12.54	0.00	0.00	12.43	12.54	15.50	30	PASS
11N40	2452	12.43	12.52	0.00	0.00	12.43	12.52	15.49	30	PASS

Maximum conducted (average) output power_11B_2412_Ant1



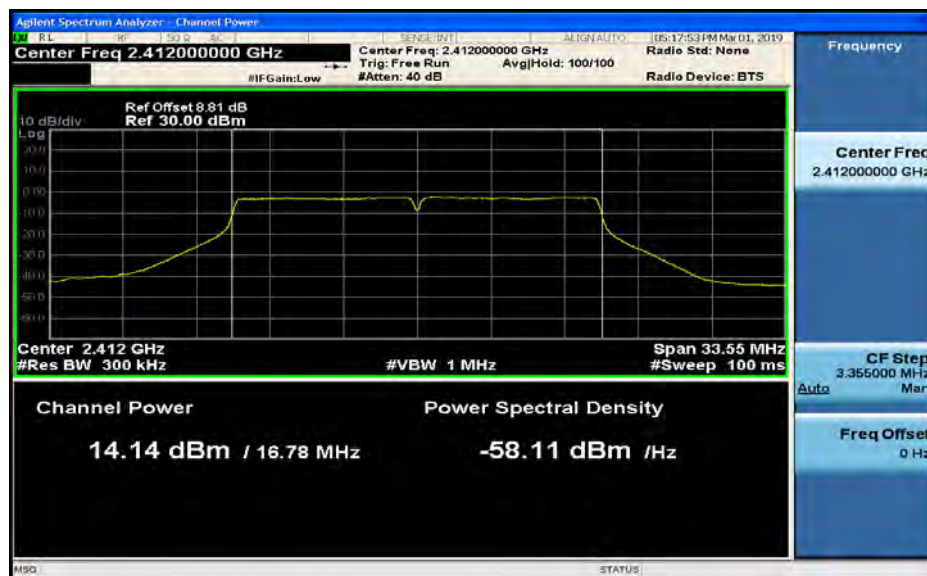
Maximum conducted (average) output power_11B_2437_Ant1



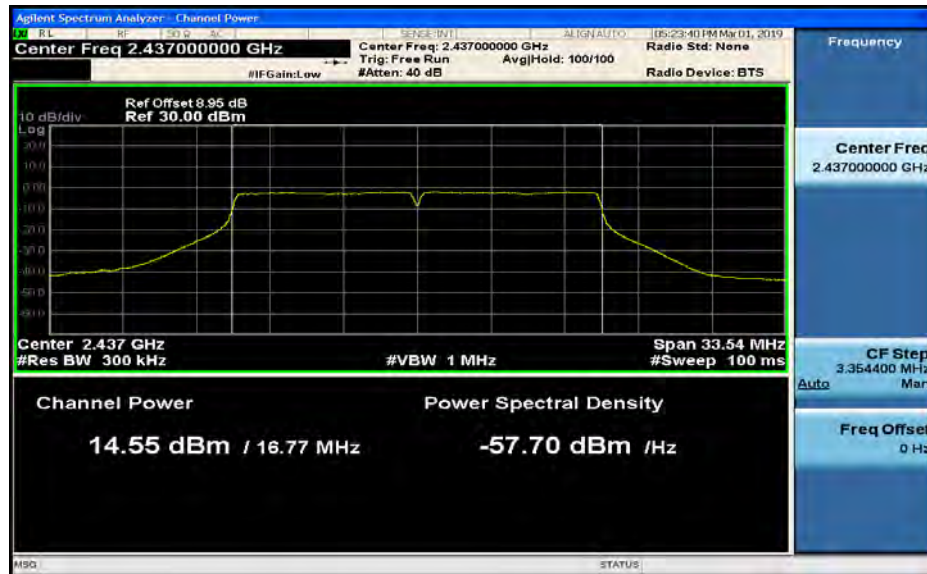
Maximum conducted (average) output power_11B_2462_Ant1



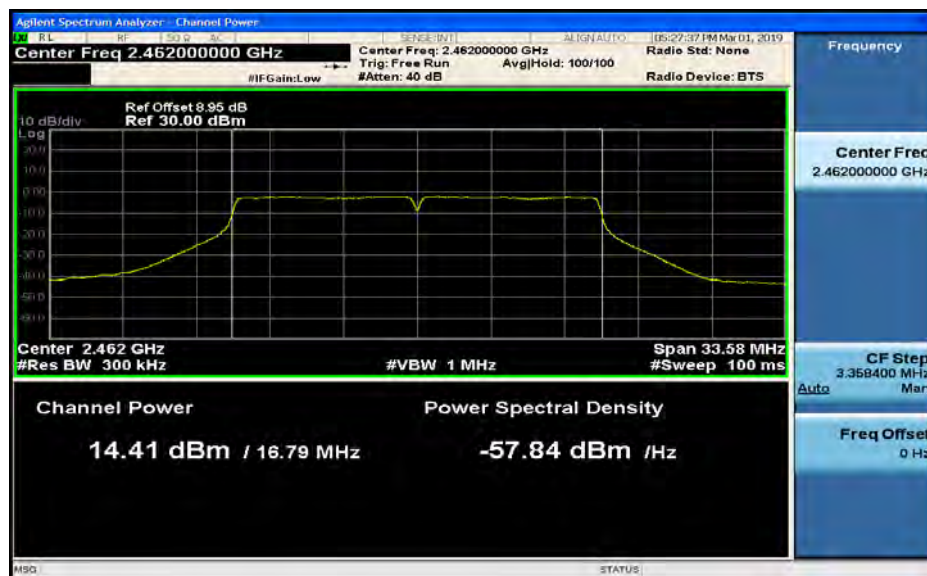
Maximum conducted (average) output power_11G_2412_Ant1



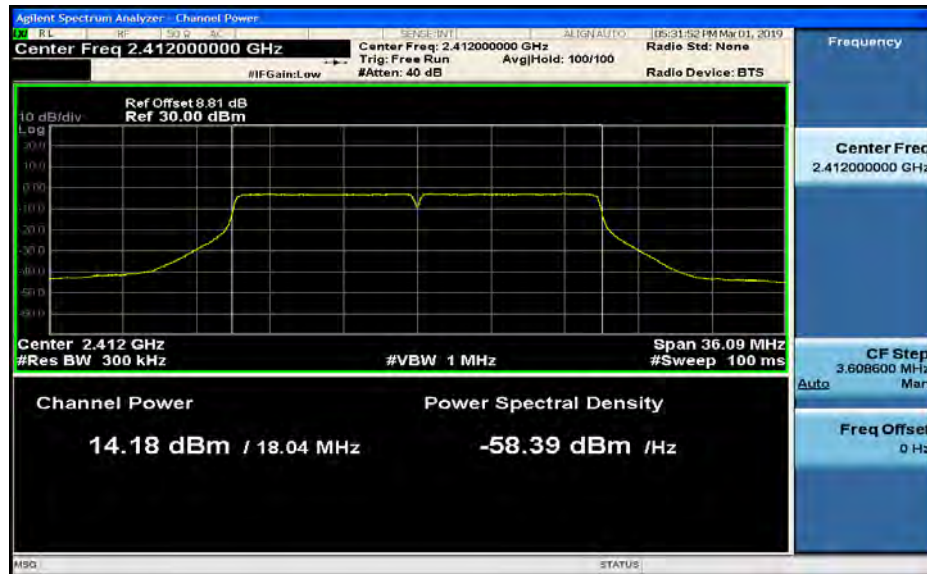
Maximum conducted (average) output power_11G_2437_Ant1



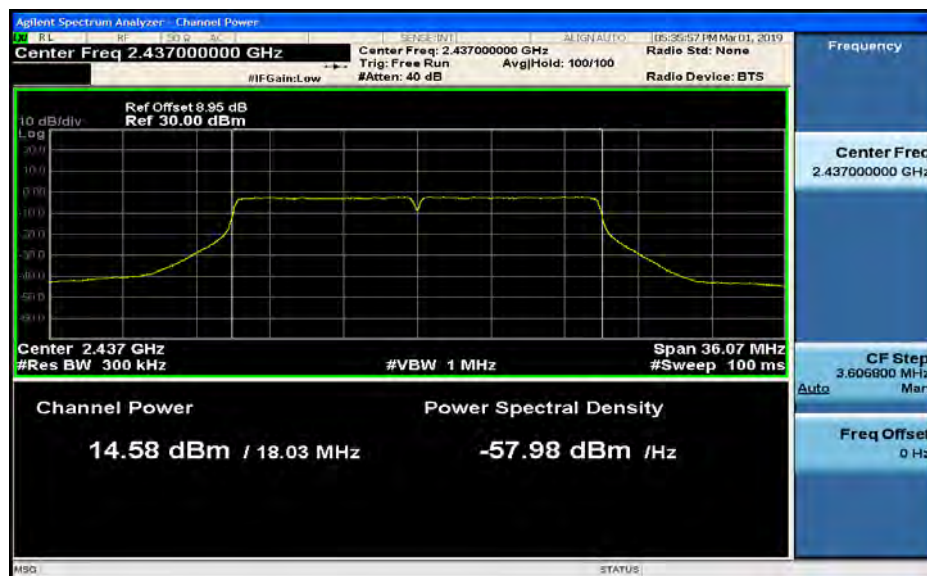
Maximum conducted (average) output power_11G_2462_Ant1



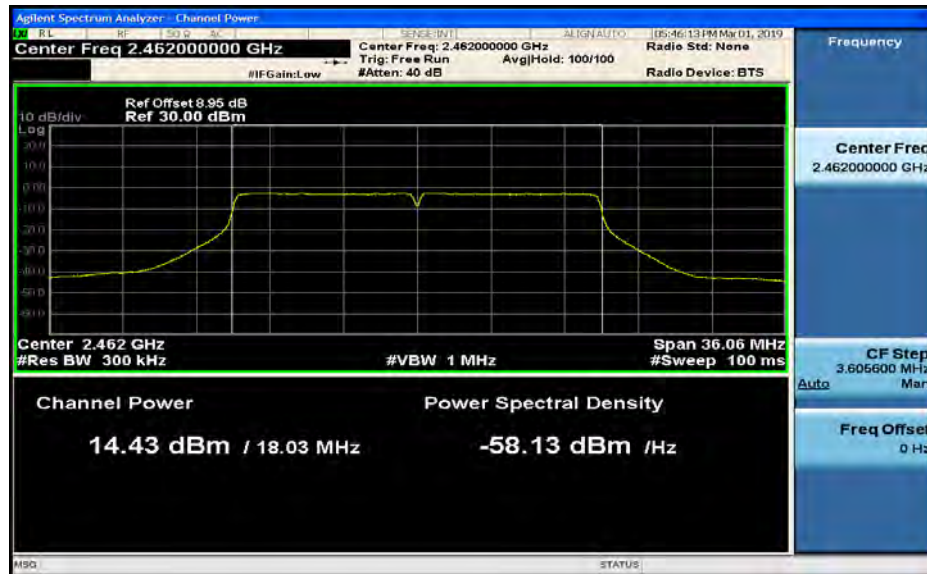
Maximum conducted (average) output power_11N20SISO_2412_Ant1



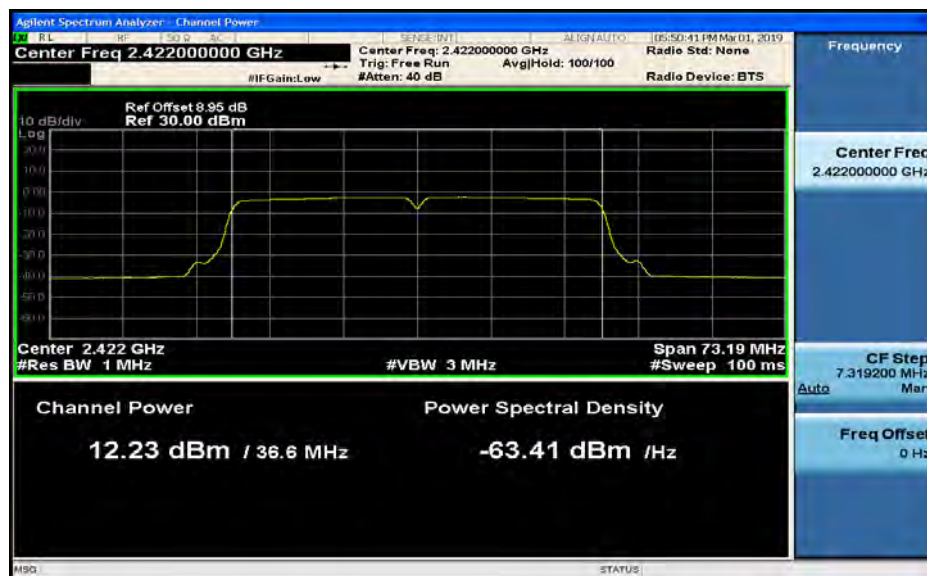
Maximum conducted (average) output power_11N20SISO_2437_Ant1



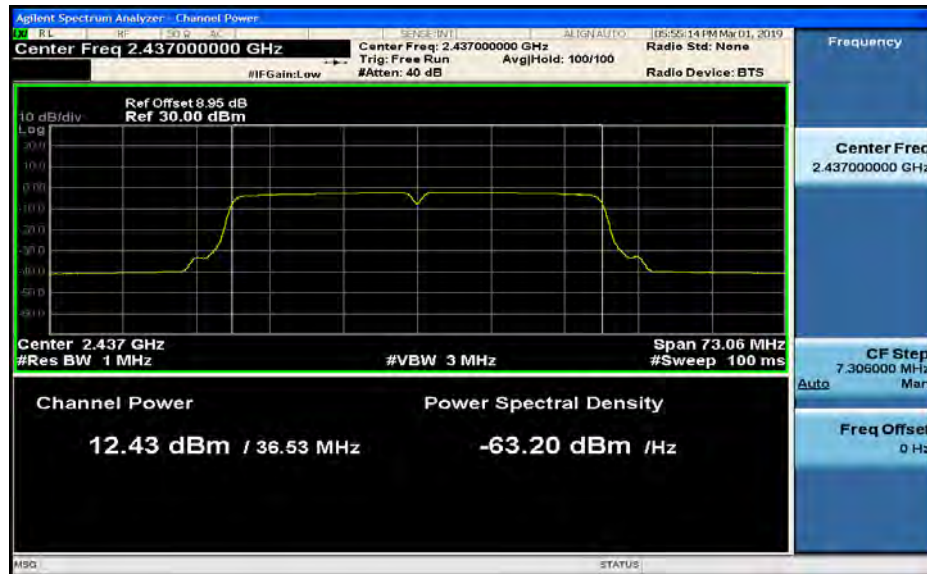
Maximum conducted (average) output power_11N20SISO_2462_Ant1



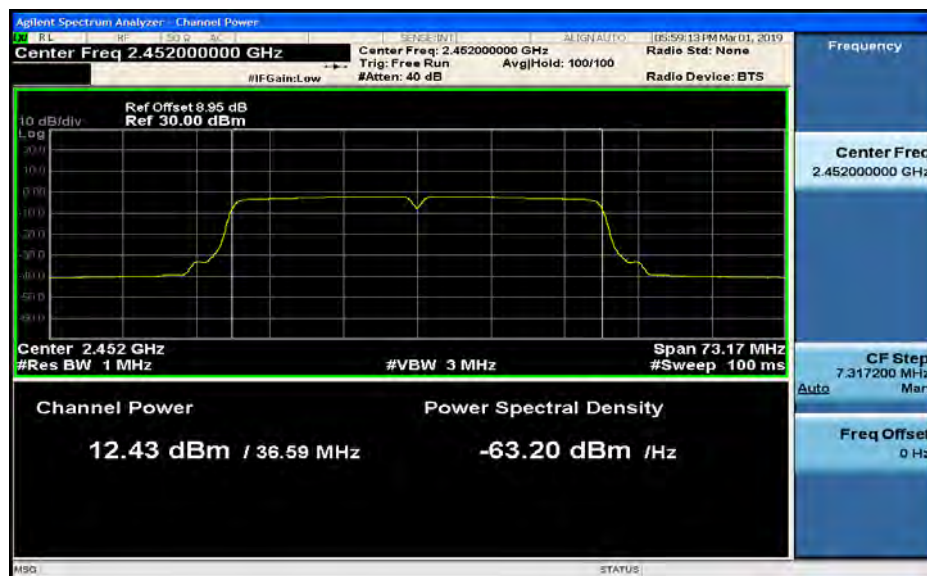
Maximum conducted (average) output power_11N40SISO_2422_Ant1



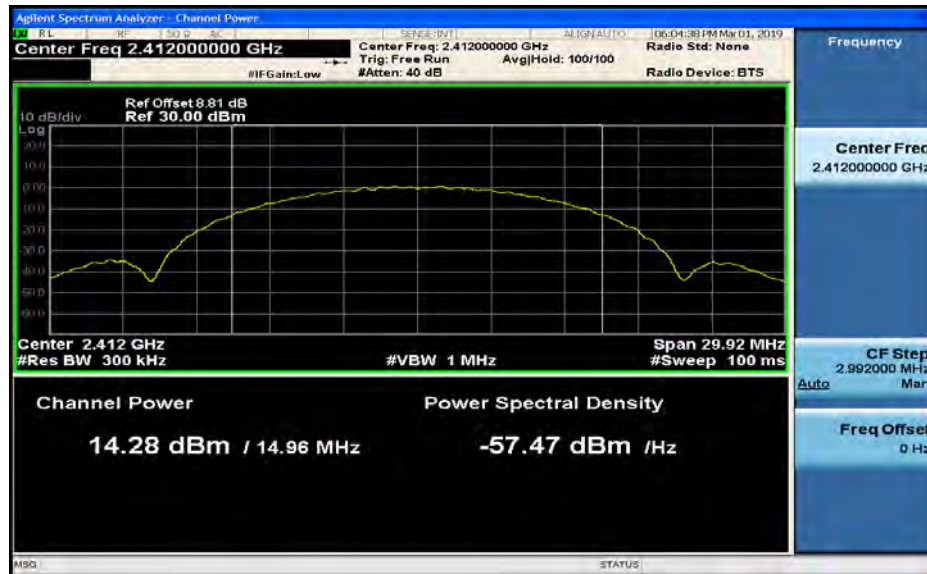
Maximum conducted (average) output power_11N40SISO_2437_Ant1



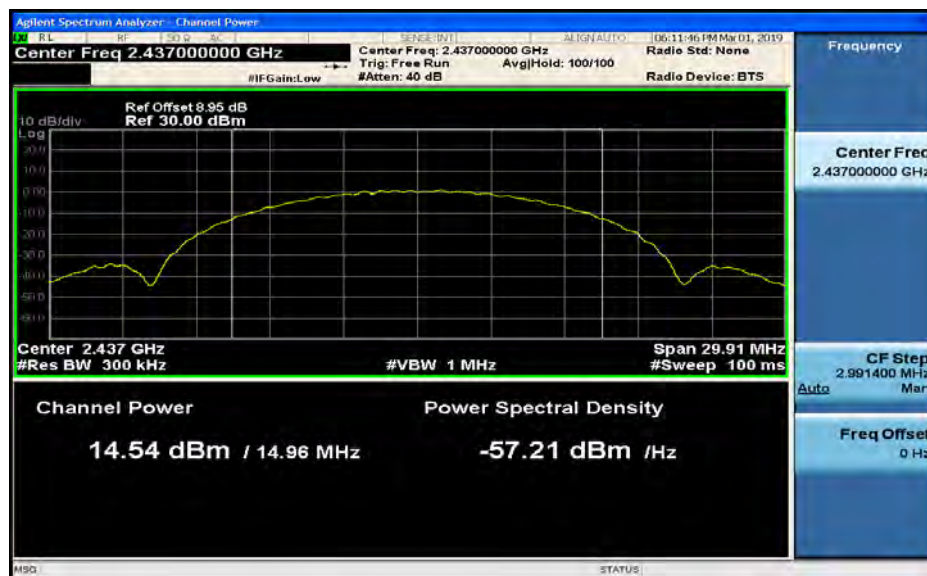
Maximum conducted (average) output power_11N40SISO_2452_Ant1



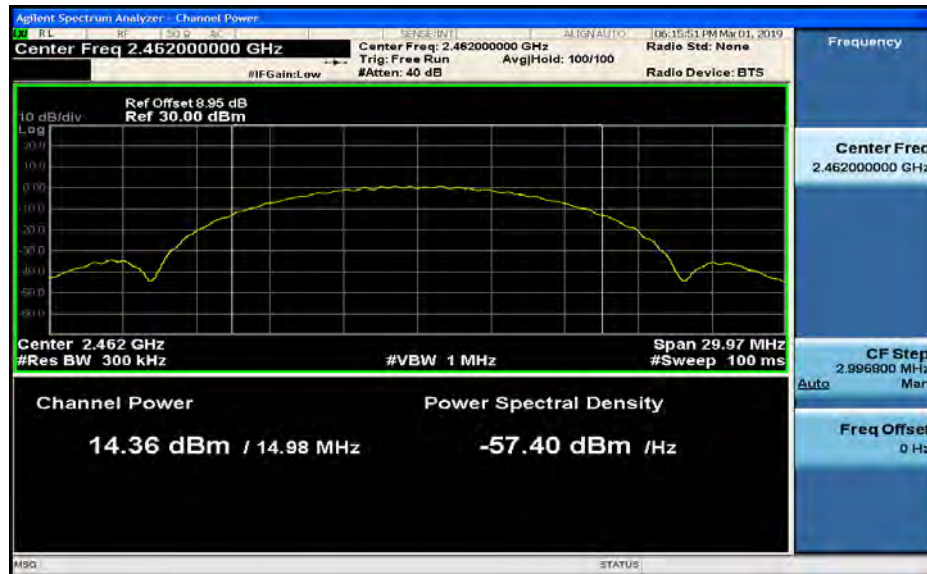
Maximum conducted (average) output power_11B_2412_Ant2



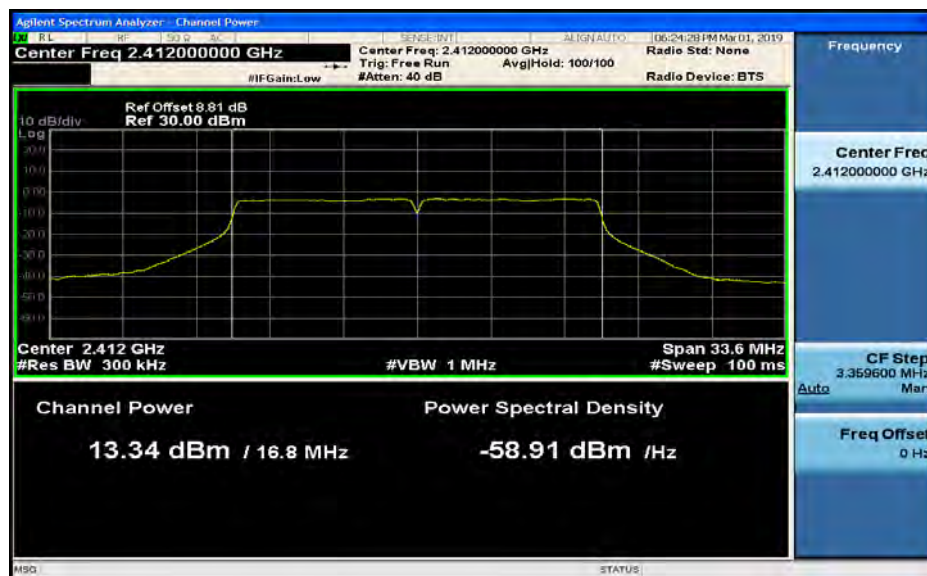
Maximum conducted (average) output power_11B_2437_Ant2



Maximum conducted (average) output power_11B_2462_Ant2



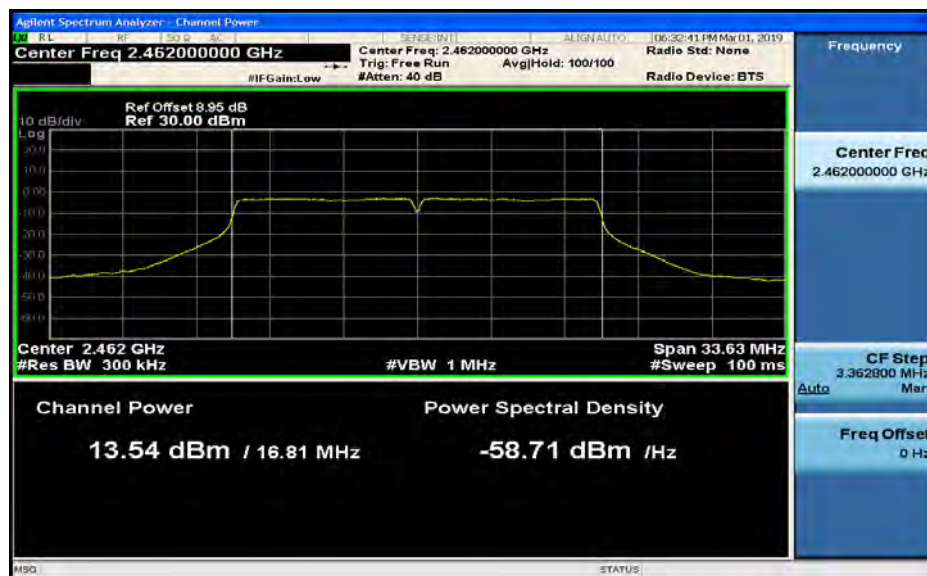
Maximum conducted (average) output power_11G_2412_Ant2



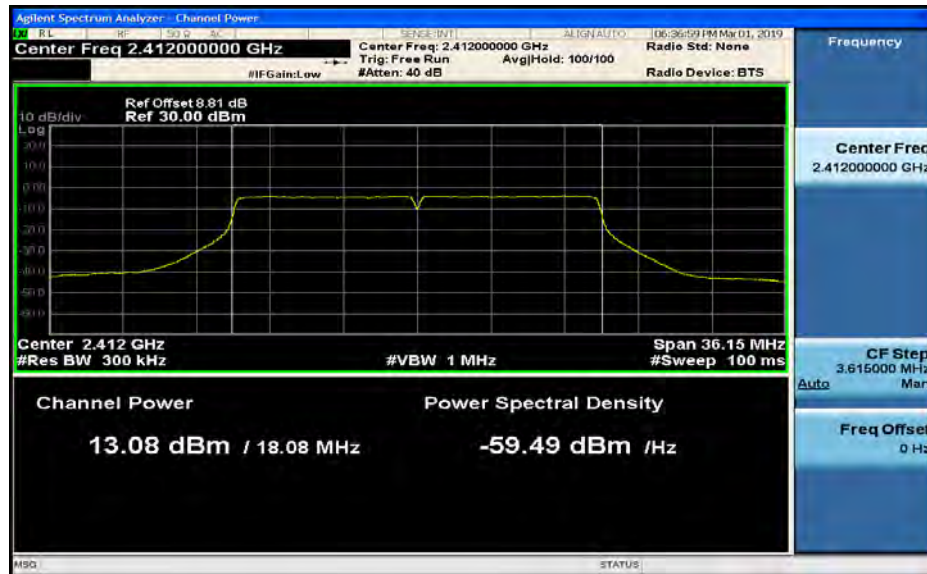
Maximum conducted (average) output power_11G_2437_Ant2



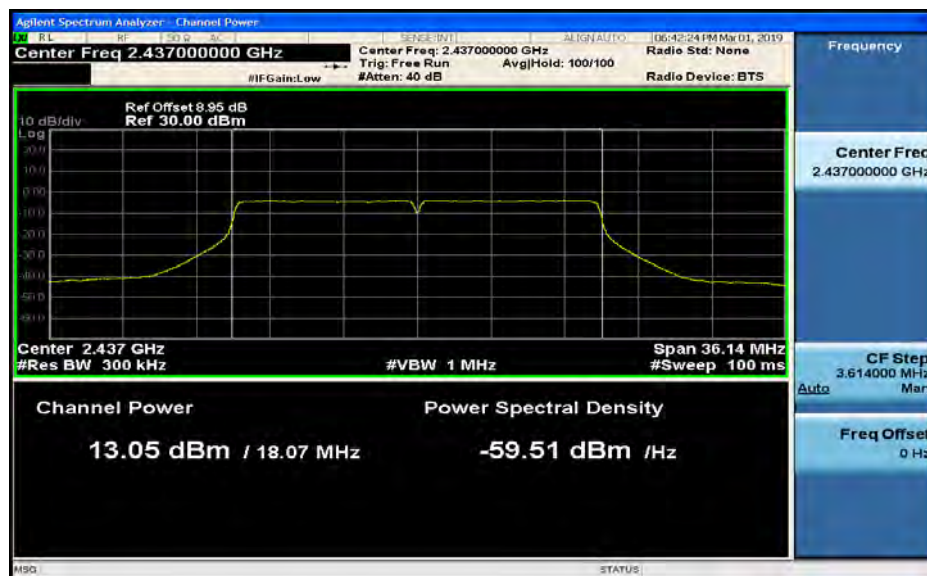
Maximum conducted (average) output power_11G_2462_Ant2



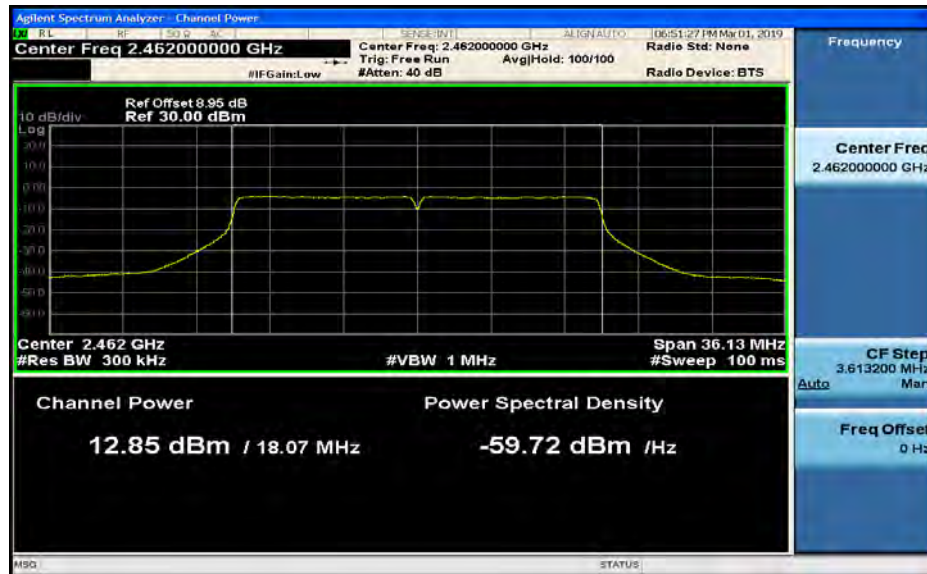
Maximum conducted (average) output power_11N20SISO_2412_Ant2



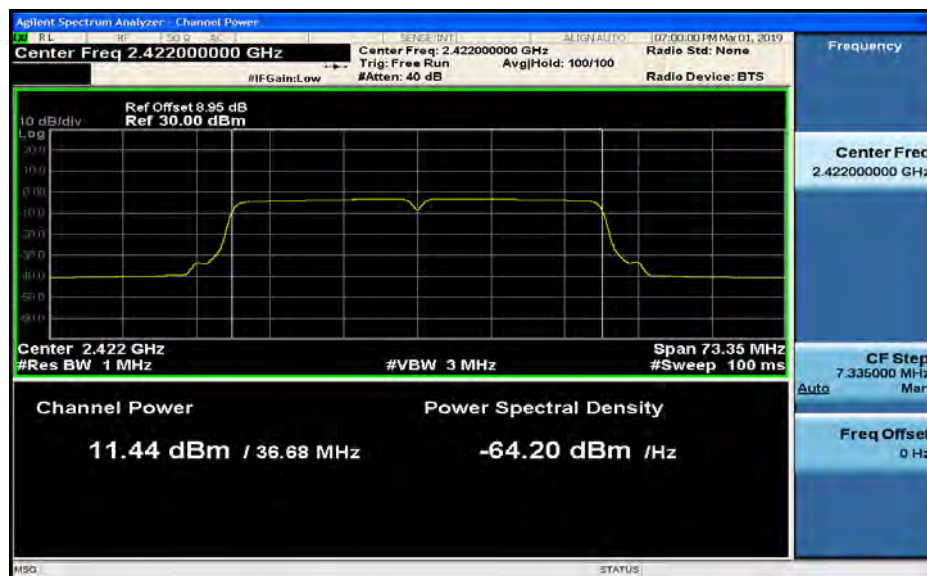
Maximum conducted (average) output power_11N20SISO_2437_Ant2



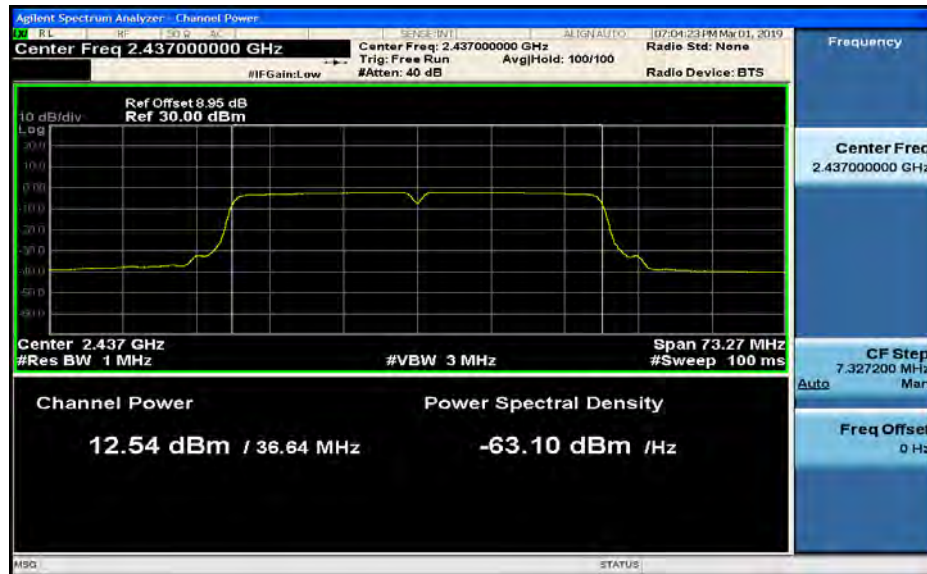
Maximum conducted (average) output power_11N20SISO_2462_Ant2



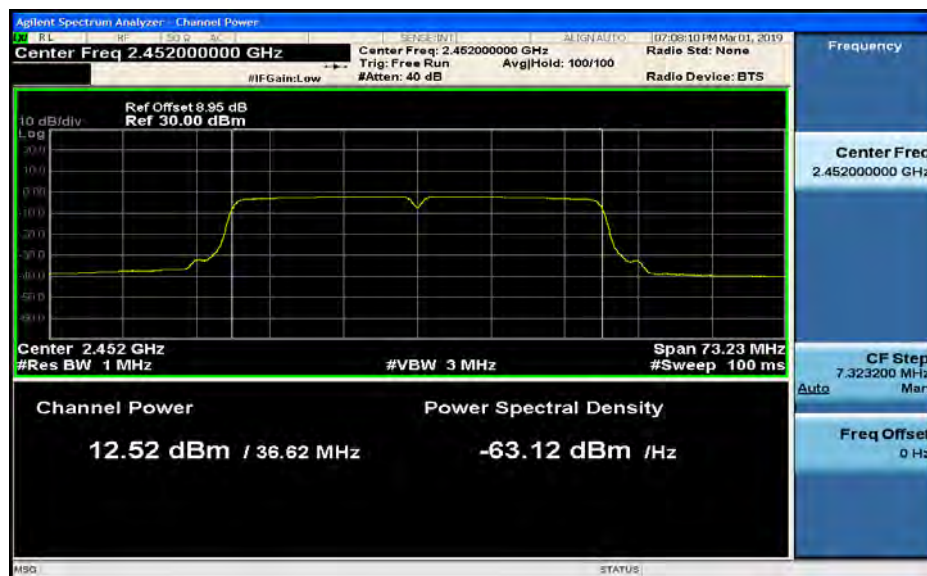
Maximum conducted (average) output power_11N40SISO_2422_Ant2



Maximum conducted (average) output power_11N40SISO_2437_Ant2



Maximum conducted (average) output power_11N40SISO_2452_Ant2



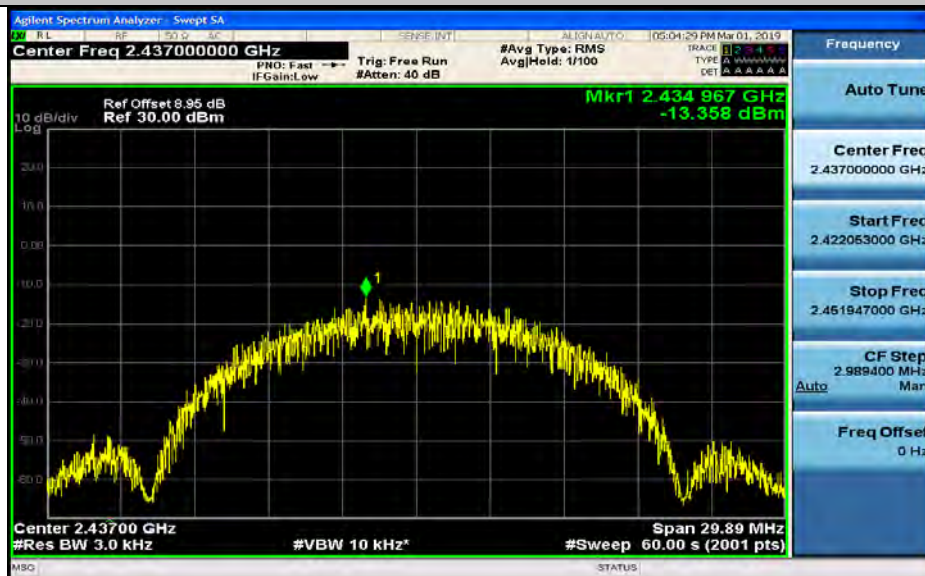
4.Maximum(average) power spectral density

Test Mode	Test Channel	Level [dBm/3kHz]		10log(1/x) Factor[dB]		PSD[dBm/3kHz]			Limit[dBm/3kHz]	Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	MIMO		
11B	2412	-13.22	-14.07	0.00	0.00	-13.22	-14.07	NA	8.00	PASS
11B	2437	-13.36	-13.80	0.00	0.00	-13.36	-13.80	NA	8.00	PASS
11B	2462	-13.13	-14.90	0.00	0.00	-13.13	-14.90	NA	8.00	PASS
11G	2412	-18.73	-19.72	0.00	0.00	-18.73	-19.72	NA	8.00	PASS
11G	2437	-18.35	-19.44	0.00	0.00	-18.35	-19.44	NA	8.00	PASS
11G	2462	-18.19	-19.52	0.00	0.00	-18.19	-19.52	NA	8.00	PASS
11N20	2412	-20.93	-22.00	0.00	0.00	-20.93	-22.00	-18.42	8.00	PASS
11N20	2437	-20.39	-22.07	0.00	0.00	-20.39	-22.07	-18.14	8.00	PASS
11N20	2462	-20.59	-22.28	0.00	0.00	-20.59	-22.28	-18.34	8.00	PASS
11N40	2422	-25.97	-26.88	0.00	0.00	-25.97	-26.88	-23.39	8.00	PASS
11N40	2437	-25.78	-25.87	0.00	0.00	-25.78	-25.87	-22.81	8.00	PASS
11N40	2452	-25.88	-25.77	0.00	0.00	-25.88	-25.77	-22.81	8.00	PASS

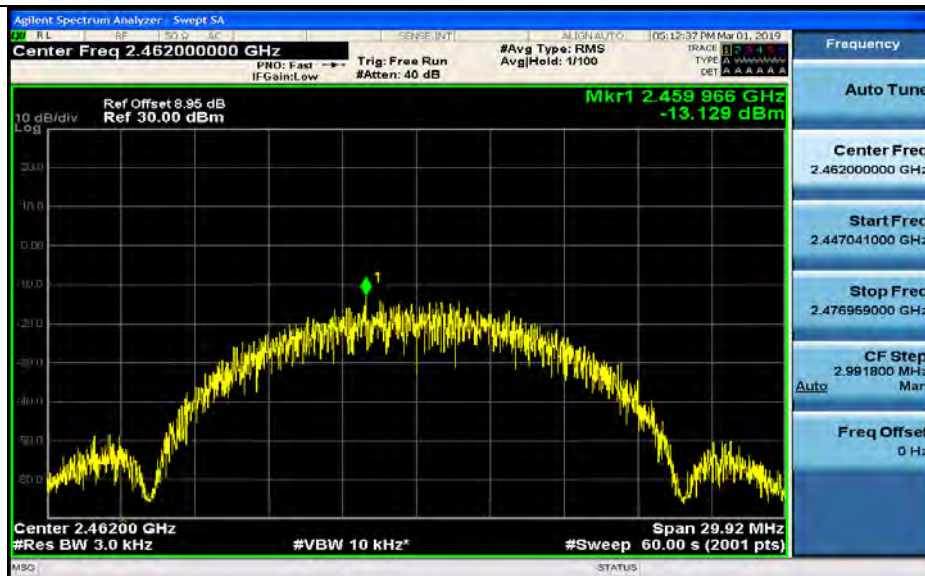
Maximum(average) power spectral density_11B_2412_Ant1



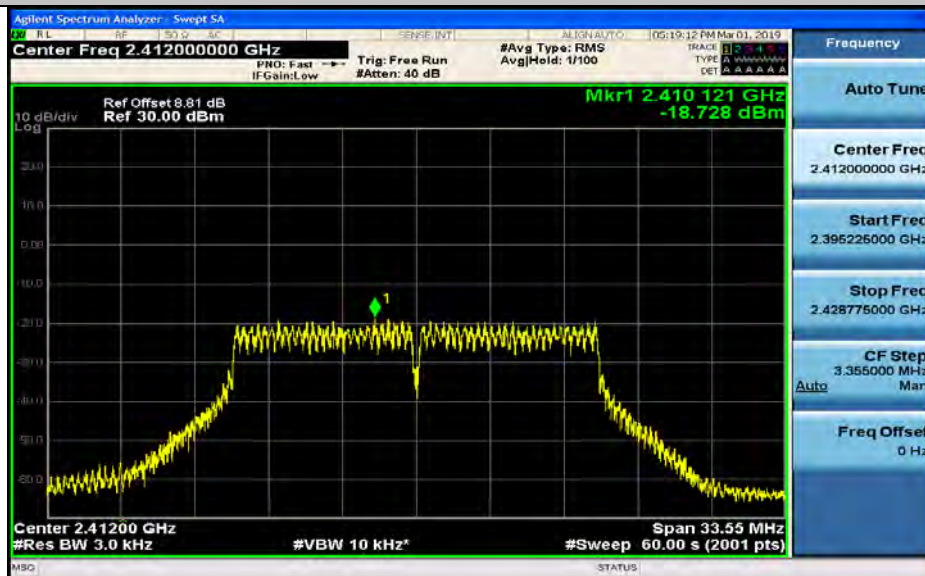
Maximum(average) power spectral density_11B_2437_Ant1



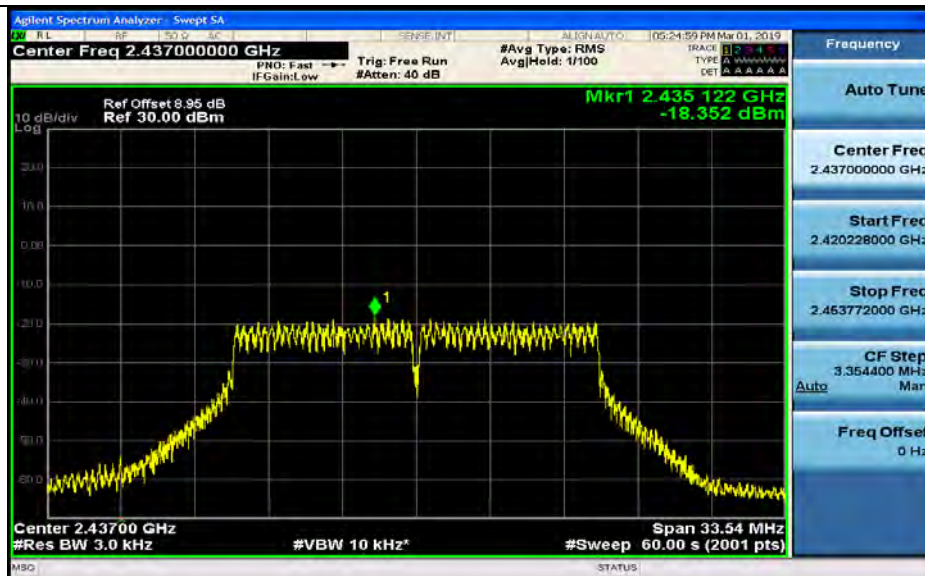
Maximum(average) power spectral density_11B_2462_Ant1



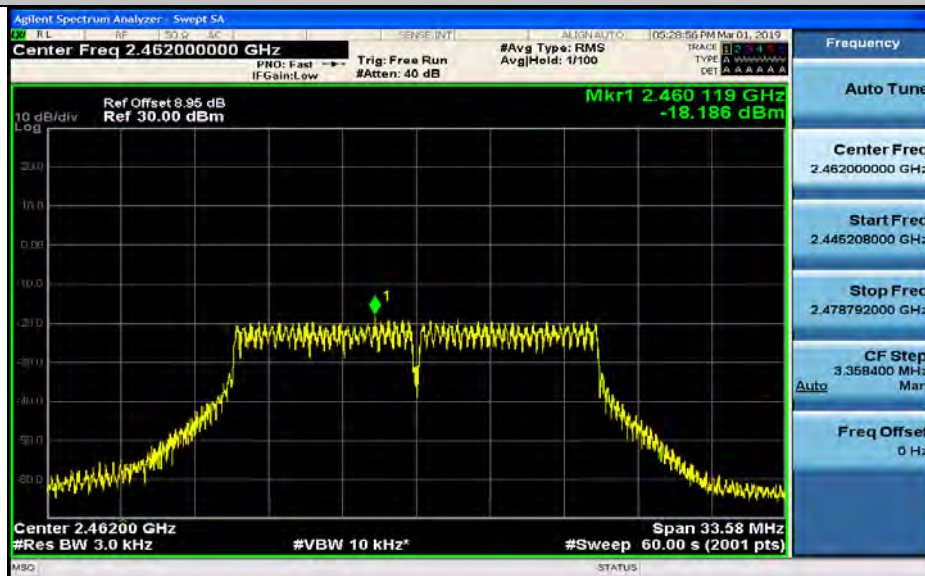
Maximum(average) power spectral density_11G_2412_Ant1



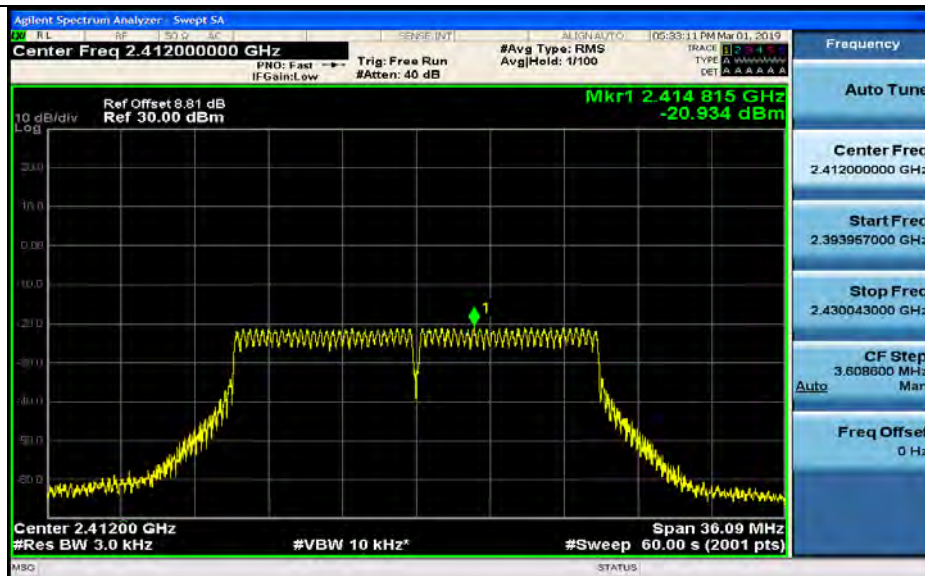
Maximum(average) power spectral density_11G_2437_Ant1



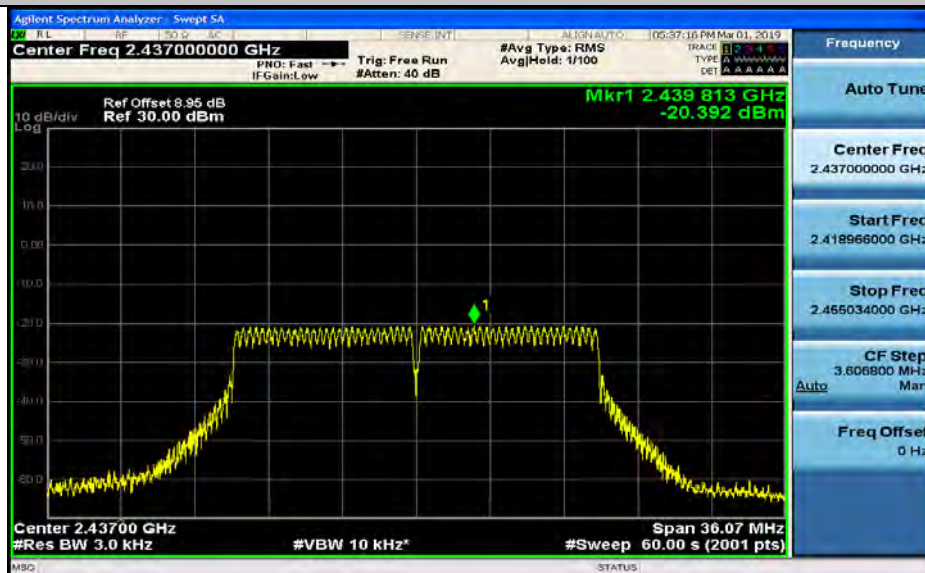
Maximum(average) power spectral density_11G_2462_Ant1



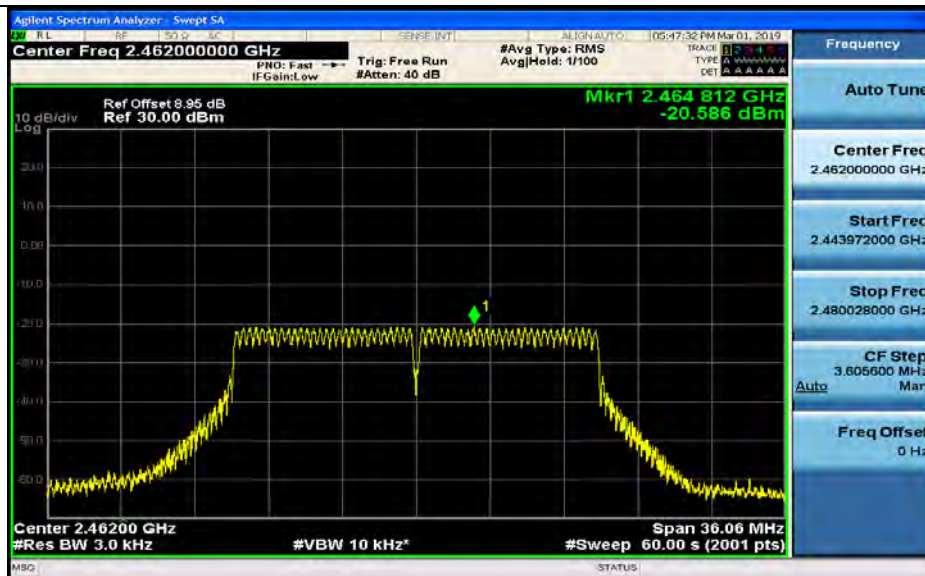
Maximum(average) power spectral density_11N20SISO_2412_Ant1



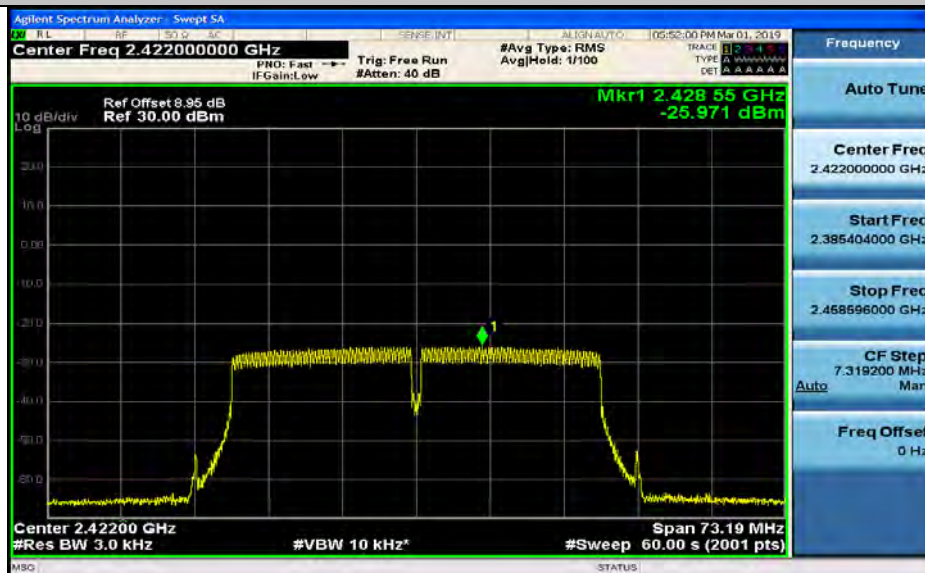
Maximum(average) power spectral density_11N20SISO_2437_Ant1



Maximum(average) power spectral density_11N20SISO_2462_Ant1



Maximum(average) power spectral density_11N40SISO_2422_Ant1



Maximum(average) power spectral density_11N40SISO_2437_Ant1



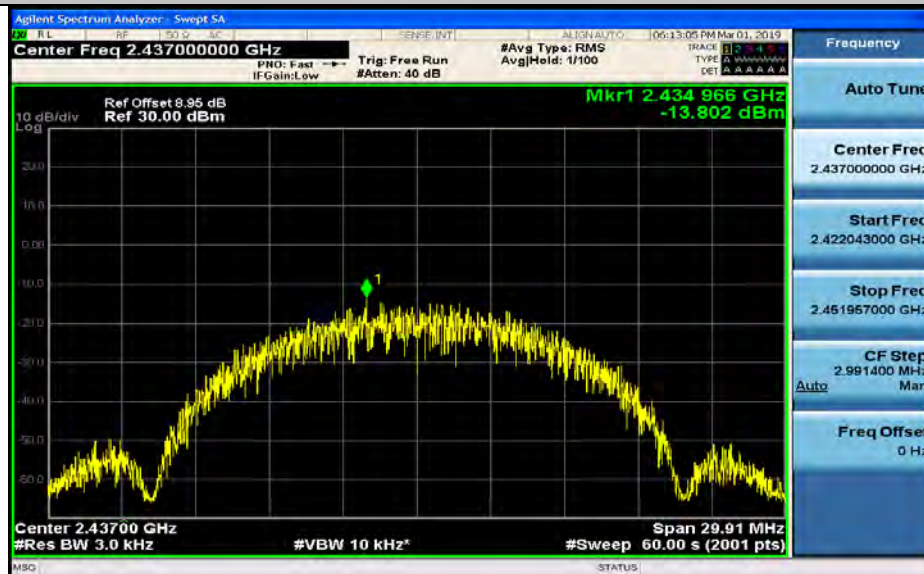
Maximum(average) power spectral density_11N40SISO_2452_Ant1



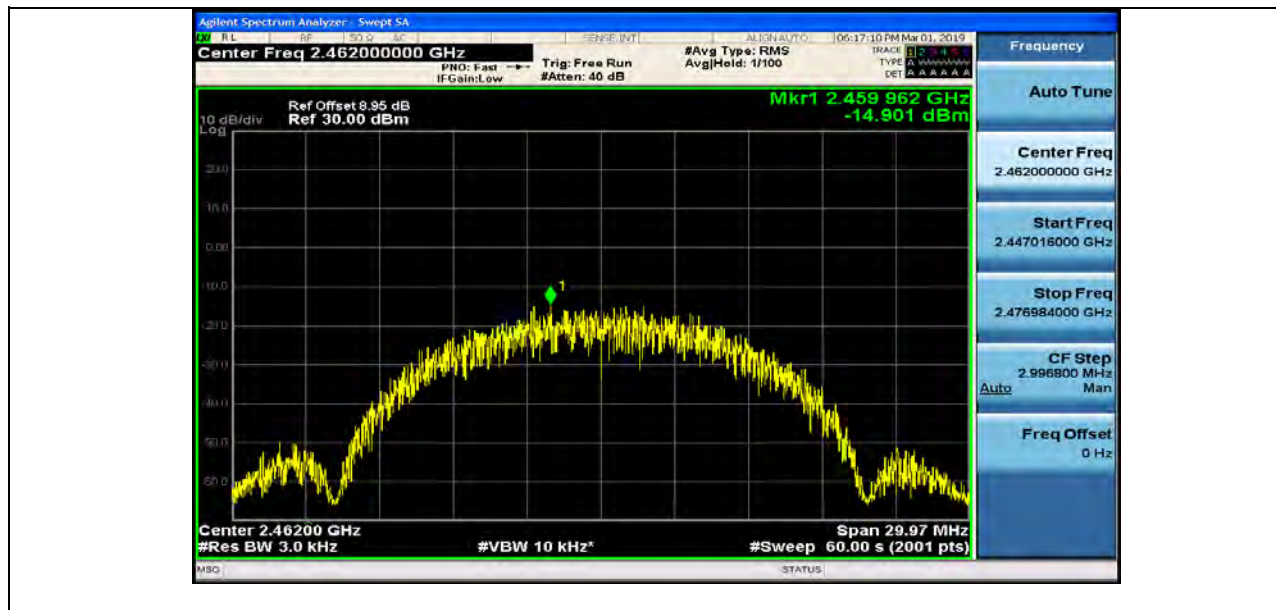
Maximum(average) power spectral density_11B_2412_Ant2



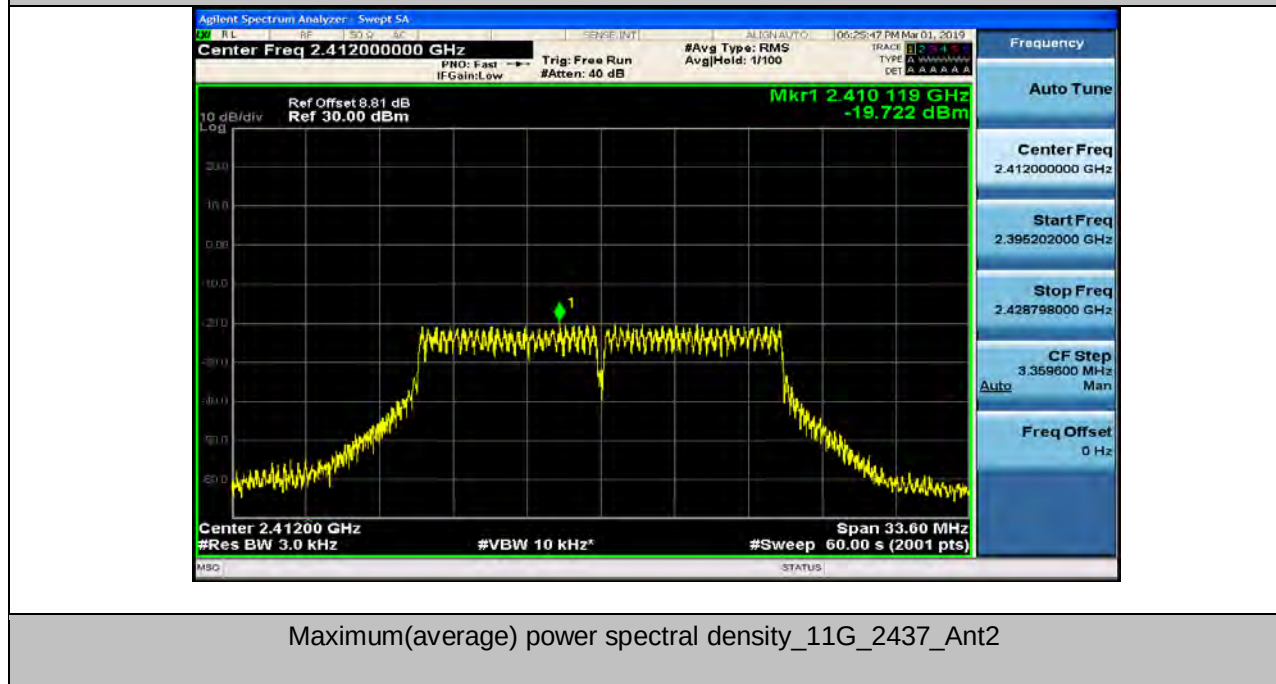
Maximum(average) power spectral density_11B_2437_Ant2



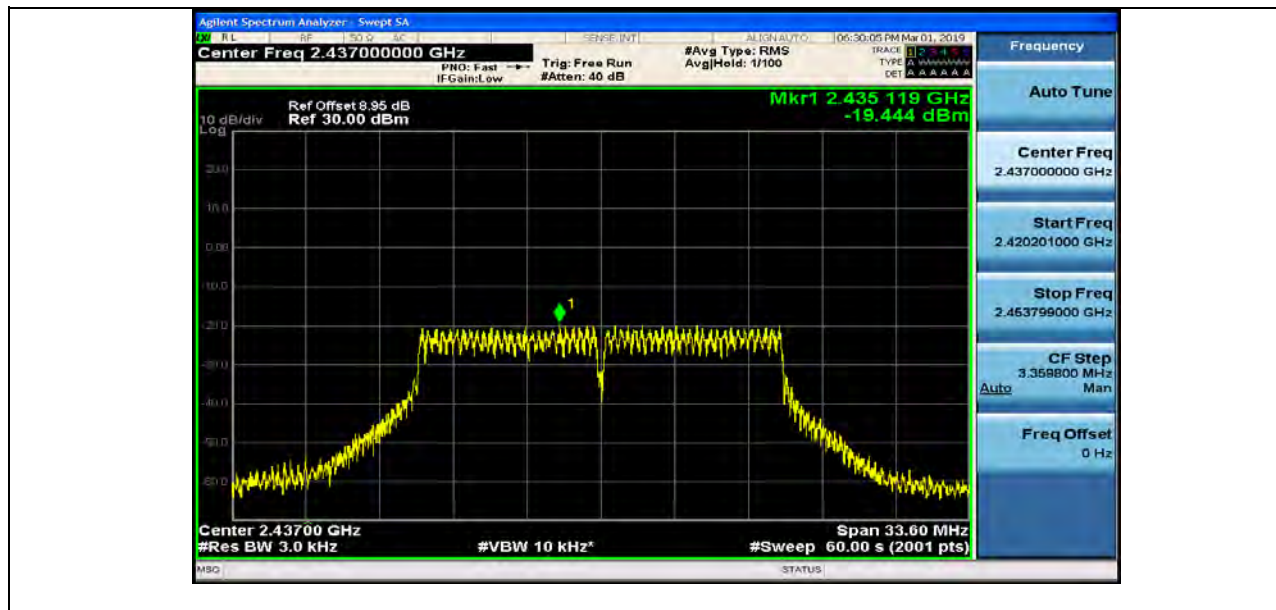
Maximum(average) power spectral density_11B_2462_Ant2



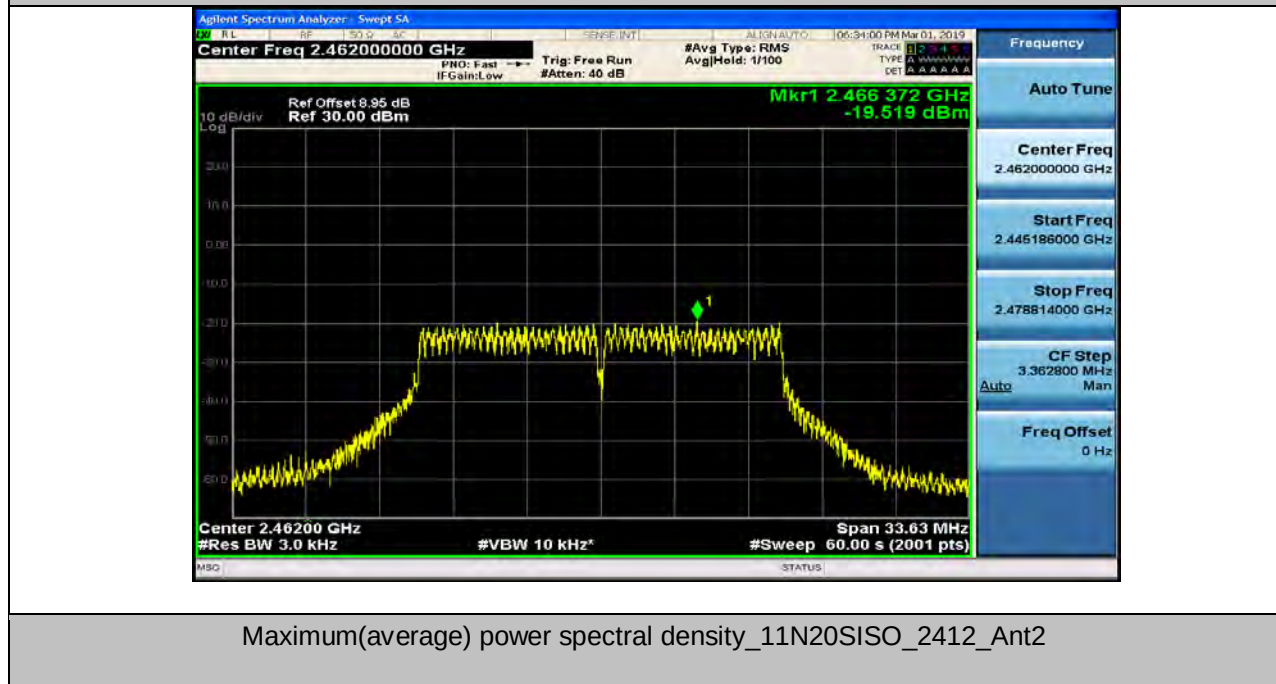
Maximum(average) power spectral density_11G_2412_Ant2



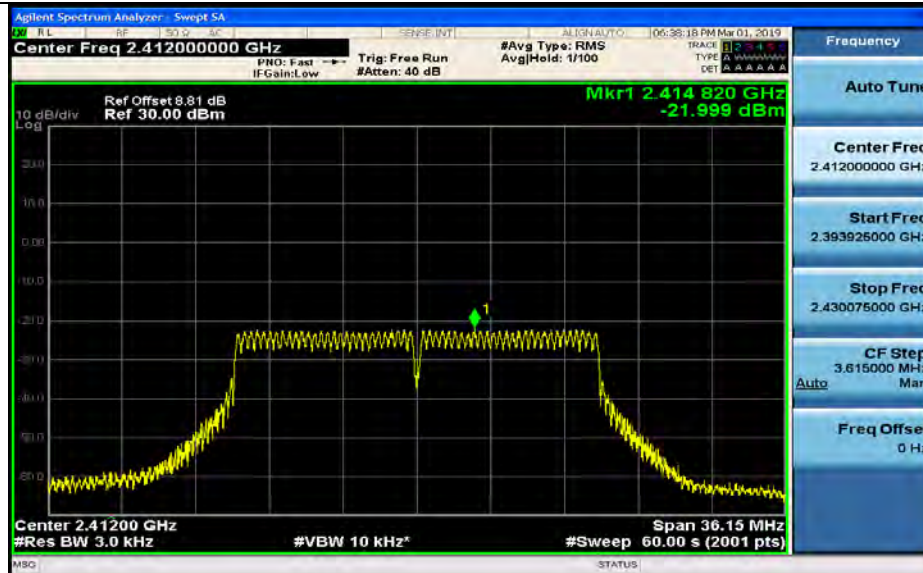
Maximum(average) power spectral density_11G_2437_Ant2



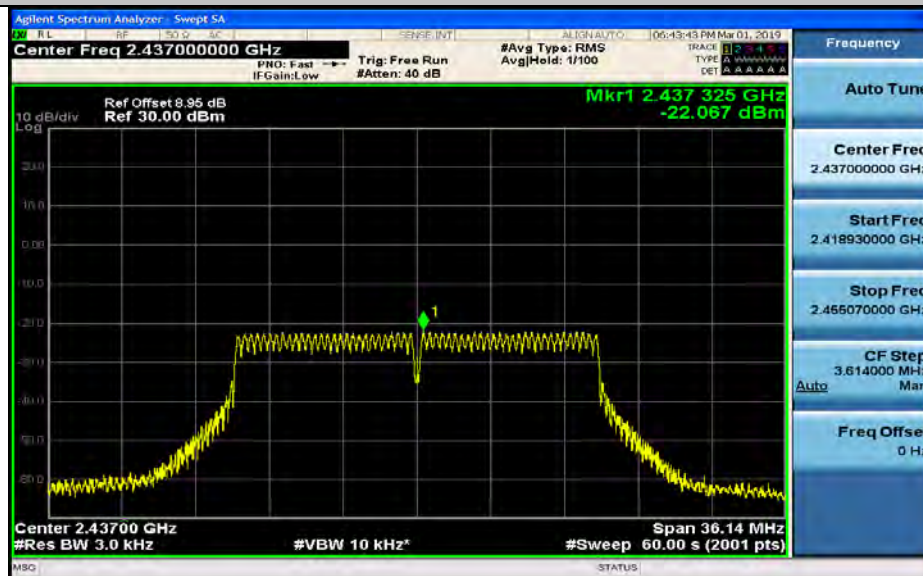
Maximum(average) power spectral density_11G_2462_Ant2



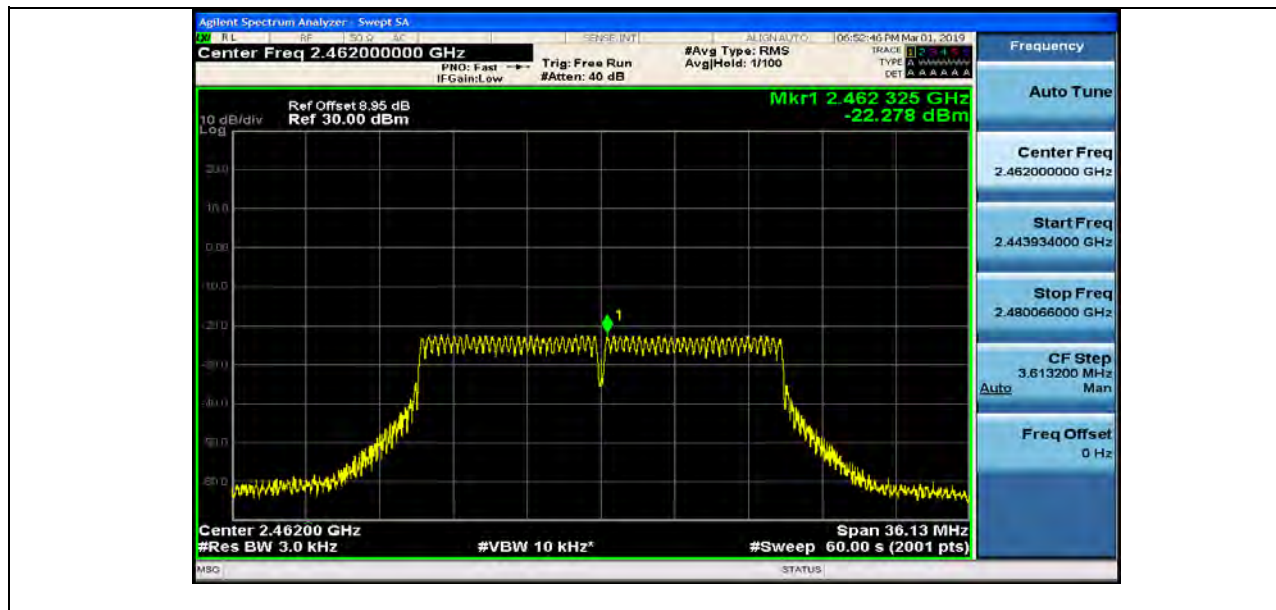
Maximum(average) power spectral density_11N20SISO_2412_Ant2



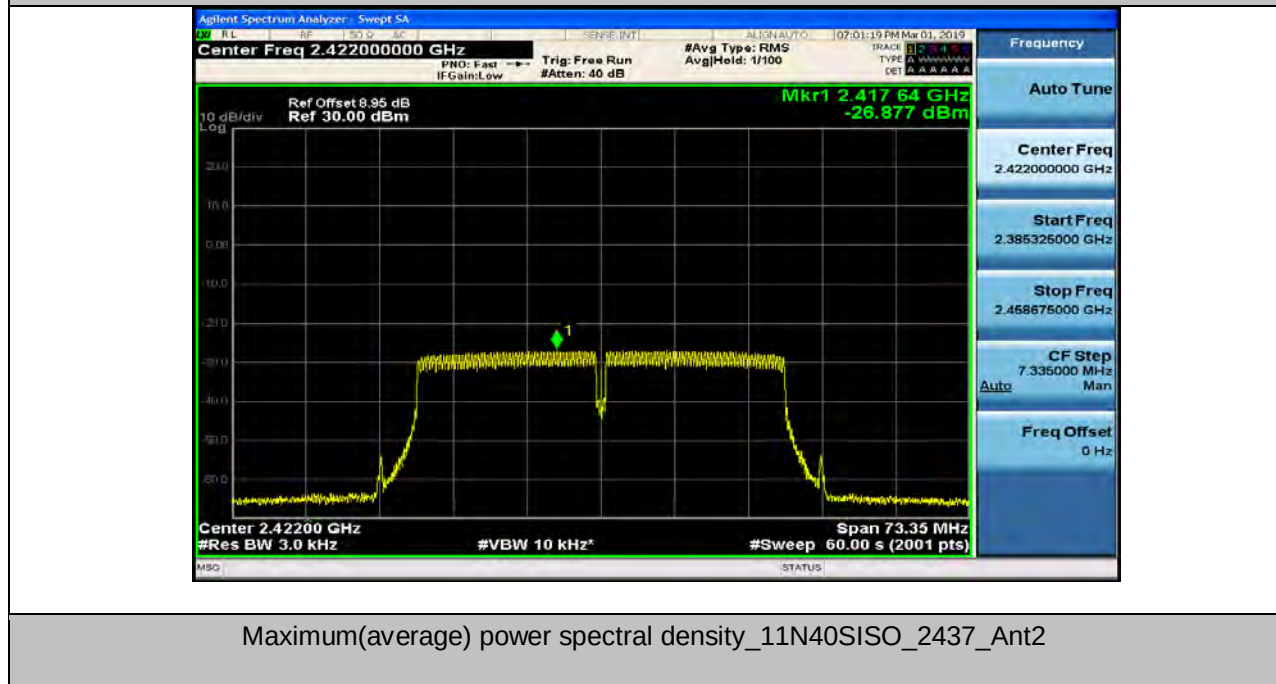
Maximum(average) power spectral density_11N20SISO_2437_Ant2



Maximum(average) power spectral density_11N20SISO_2462_Ant2



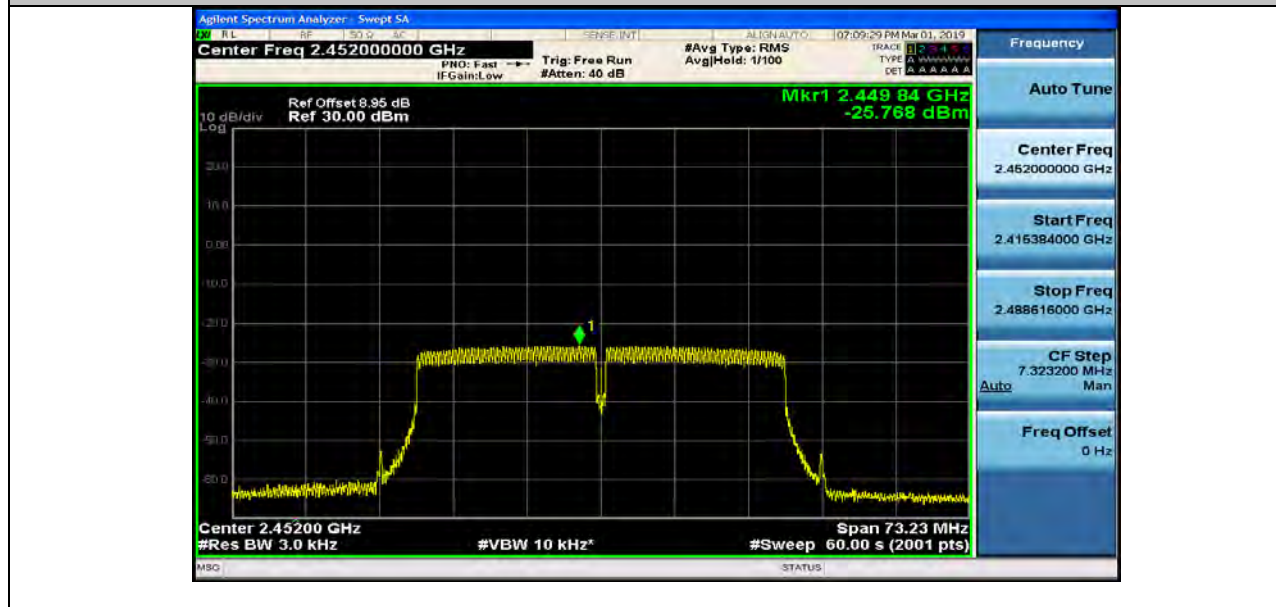
Maximum(average) power spectral density_11N40SISO_2422_Ant2



Maximum(average) power spectral density_11N40SISO_2437_Ant2



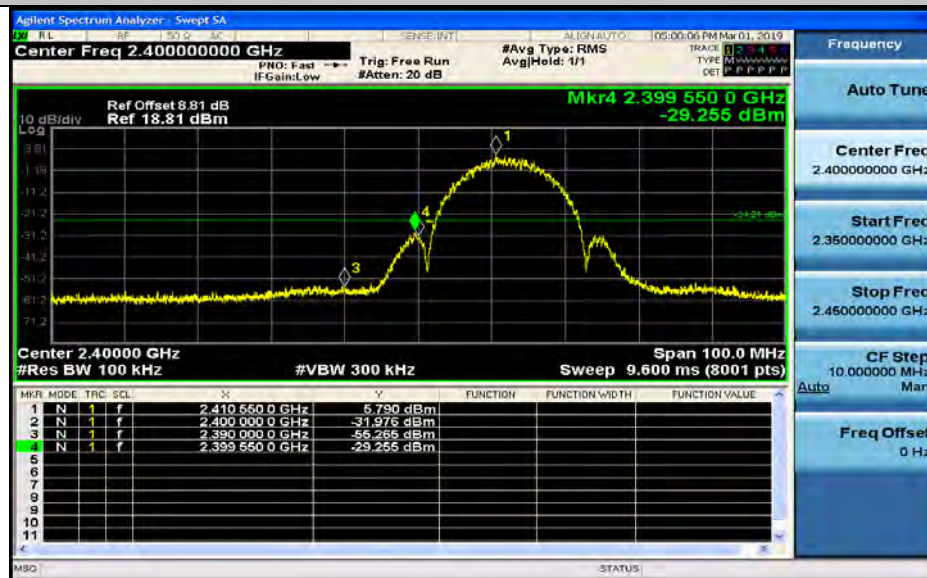
Maximum(average) power spectral density_11N40SISO_2452_Ant2



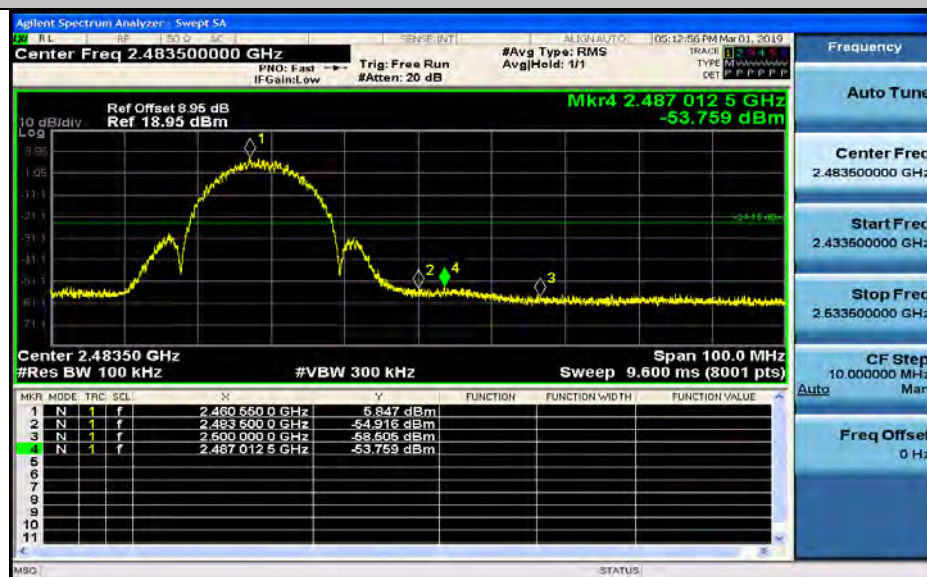
**5.Band-edge for RF Conducted Emissions**

Test Mode	Test Channel	Carrier Power[dBm]		Max. Spurious Level [dBm]		Limit [dBm]		Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11B	2412	5.79	5.06	-29.26	-29.93	-24.21	-24.94	PASS
11B	2462	5.85	5.19	-53.76	-52.68	-24.15	-24.81	PASS
11G	2412	1.45	0.60	-30.39	-29.44	-28.55	-29.40	PASS
11G	2462	1.93	0.99	-43.40	-43.37	-28.07	-29.01	PASS
11N20SISO	2412	0.12	-1.33	-31.32	-31.91	-29.88	-31.33	PASS
11N20SISO	2462	0.23	-1.27	-42.84	-42.47	-29.77	-31.27	PASS
11N40SISO	2422	-4.88	-5.85	-36.98	-38.02	-34.88	-35.85	PASS
11N40SISO	2452	-4.57	-4.60	-43.28	-42.29	-34.57	-34.60	PASS

Band-edge for RF Conducted Emissions_11B_2412_Ant1



Band-edge for RF Conducted Emissions_11B_2462_Ant1



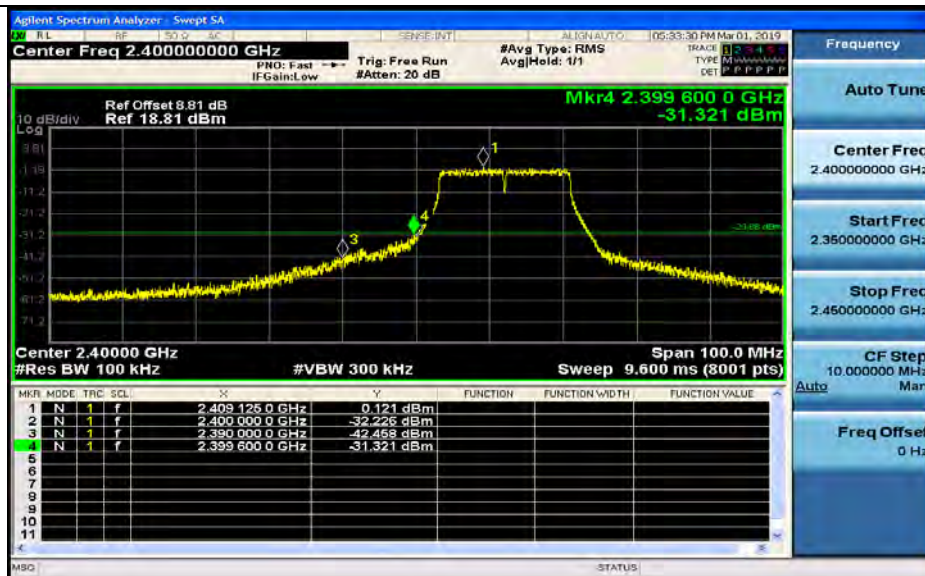
Band-edge for RF Conducted Emissions_11G_2412_Ant1



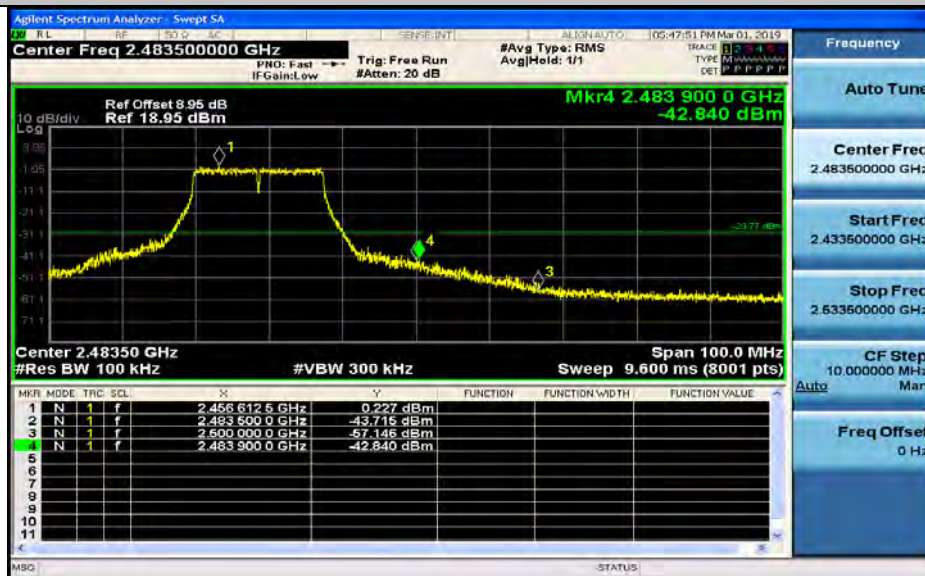
Band-edge for RF Conducted Emissions_11G_2462_Ant1



Band-edge for RF Conducted Emissions_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



Band-edge for RF Conducted Emissions_11B_2412_Ant2