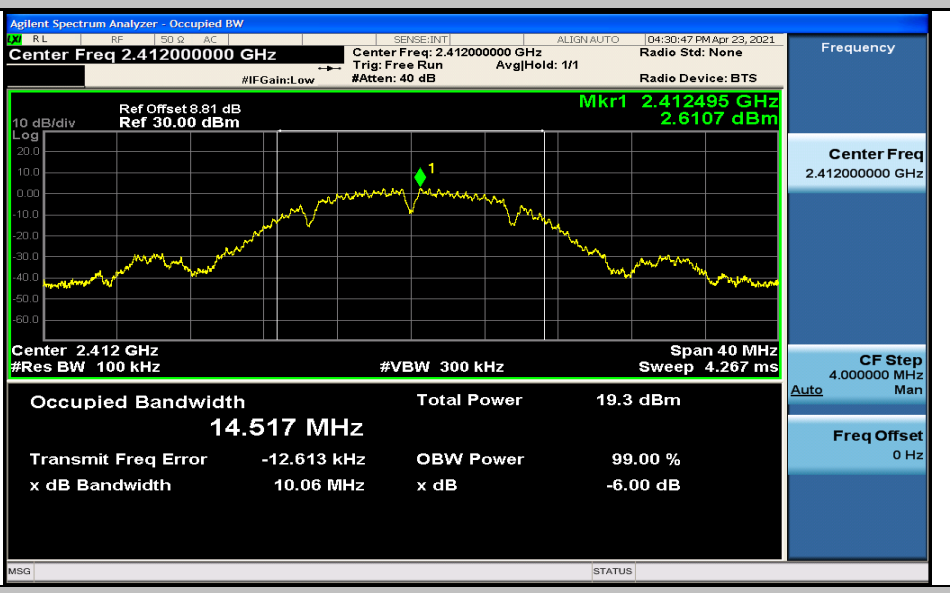
Appendix A for SHEM210400296801

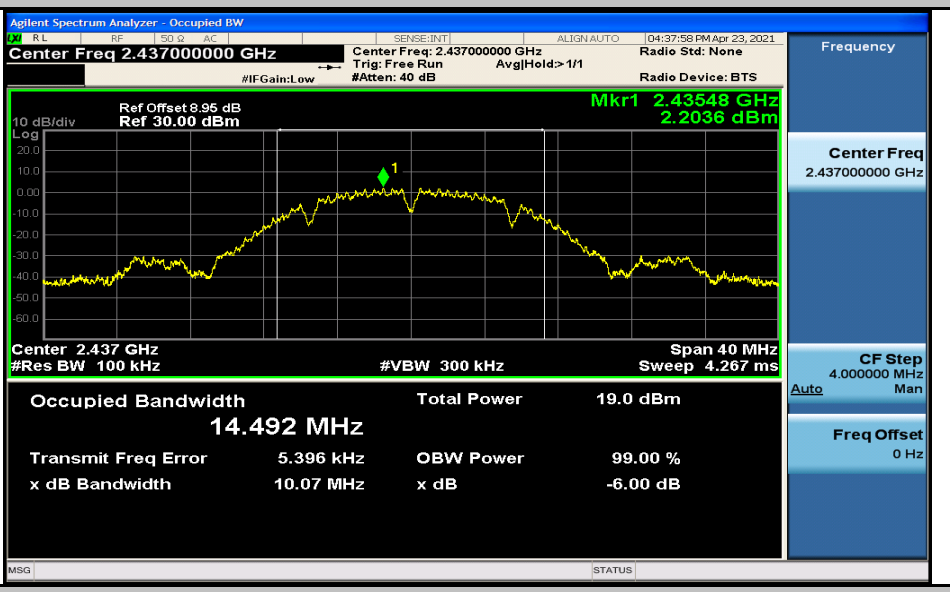
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	10.06	0.5	PASS
11B	2437	Ant1	10.07	0.5	PASS
11B	2462	Ant1	10.04	0.5	PASS
11G	2412	Ant1	16.32	0.5	PASS
11G	2437	Ant1	16.33	0.5	PASS
11G	2462	Ant1	16.30	0.5	PASS
11N20SISO	2412	Ant1	17.53	0.5	PASS
11N20SISO	2437	Ant1	17.54	0.5	PASS
11N20SISO	2462	Ant1	16.34	0.5	PASS
11N40SISO	2422	Ant1	32.57	0.5	PASS
11N40SISO	2437	Ant1	33.79	0.5	PASS
11N40SISO	2452	Ant1	31.33	0.5	PASS

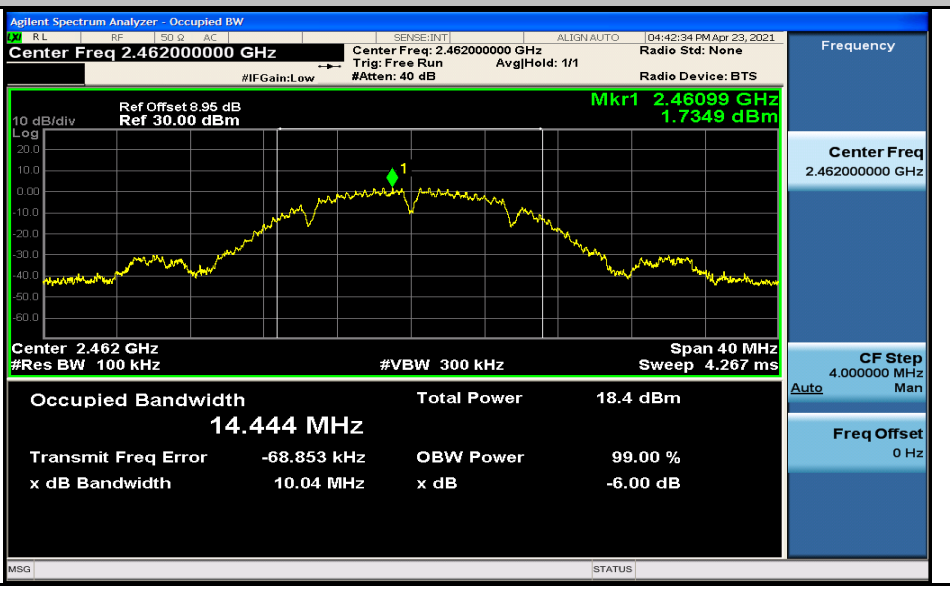
6dB Bandwidth_11B_2412_Ant1



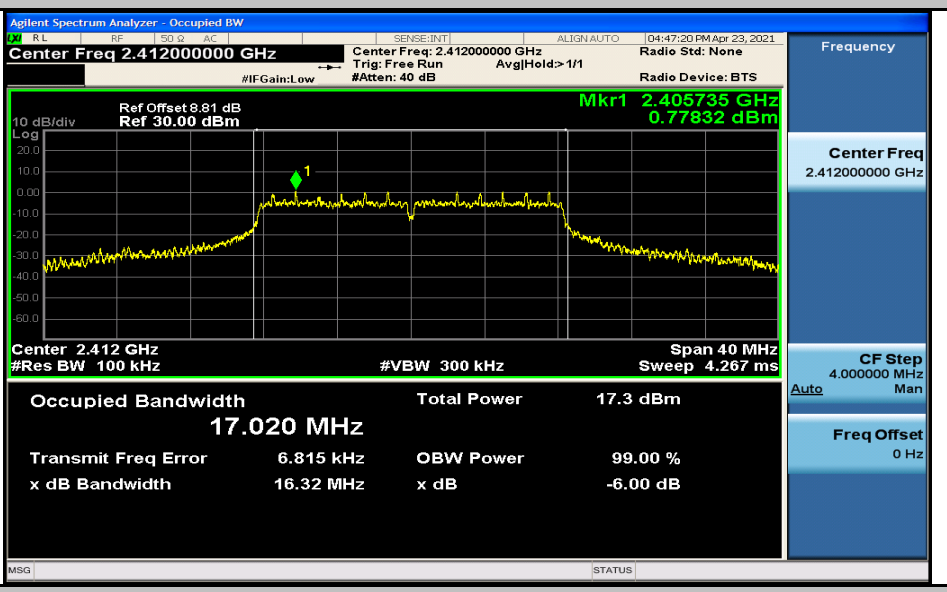
6dB Bandwidth_11B_2437_Ant1



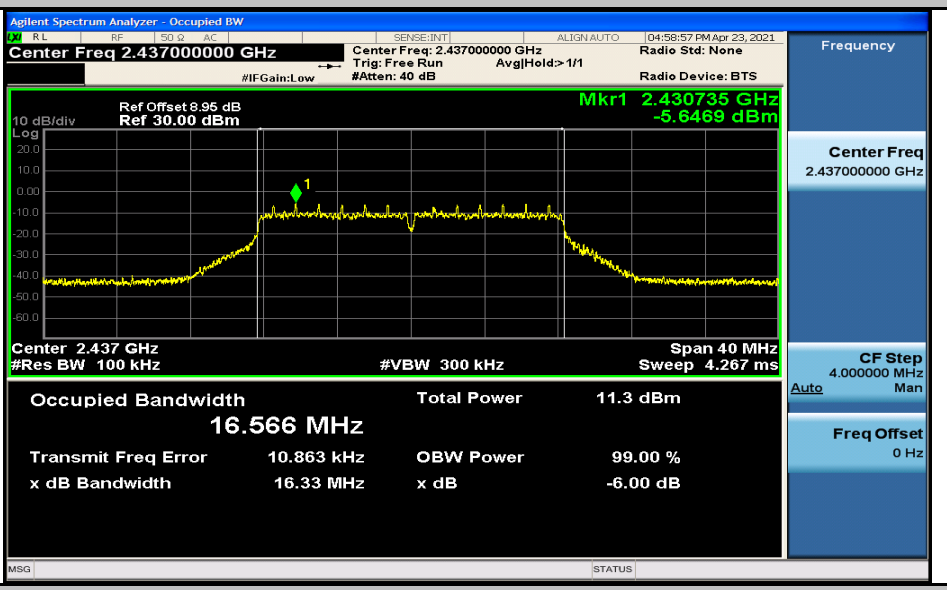
6dB Bandwidth_11B_2462_Ant1



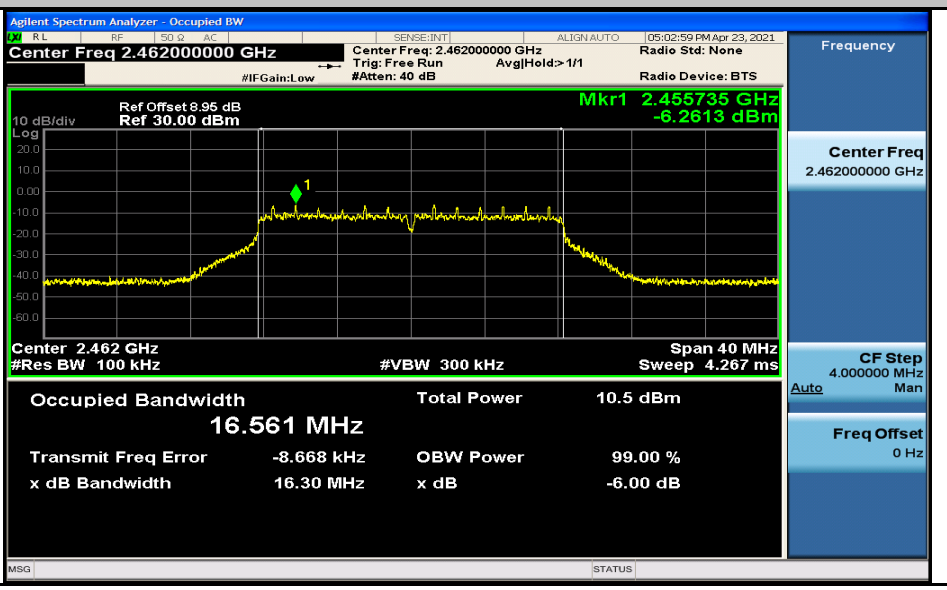
6dB Bandwidth_11G_2412_Ant1



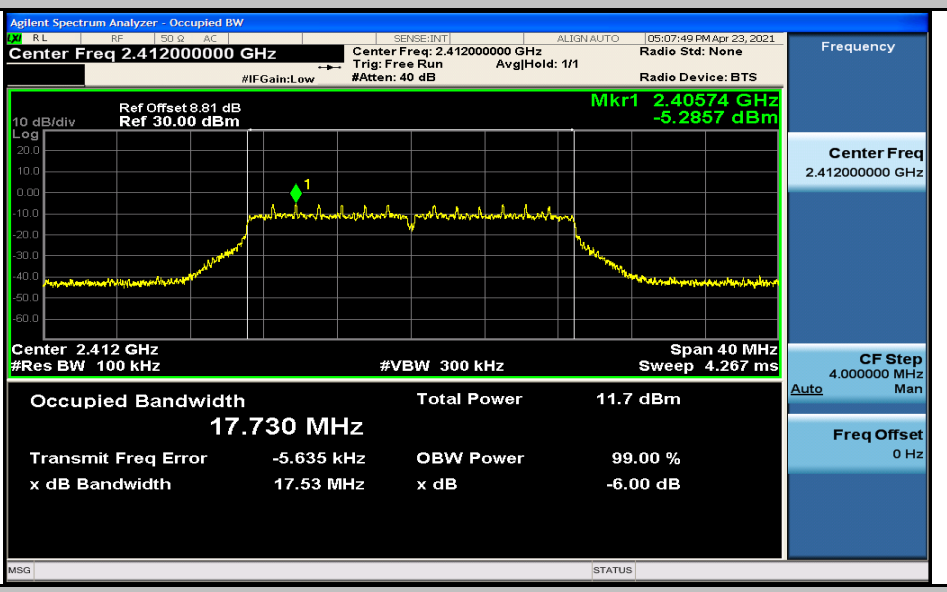
6dB Bandwidth_11G_2437_Ant1



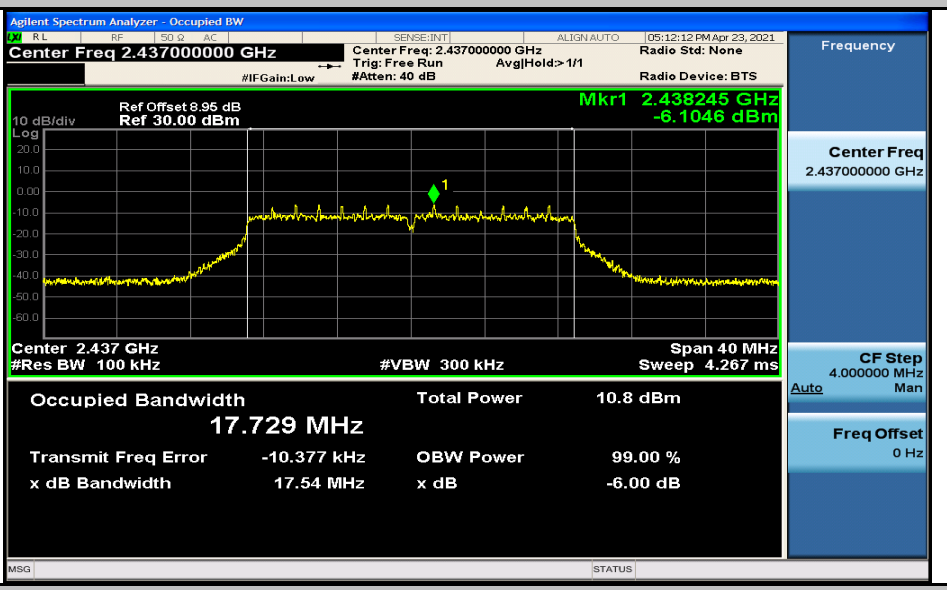
6dB Bandwidth_11G_2462_Ant1



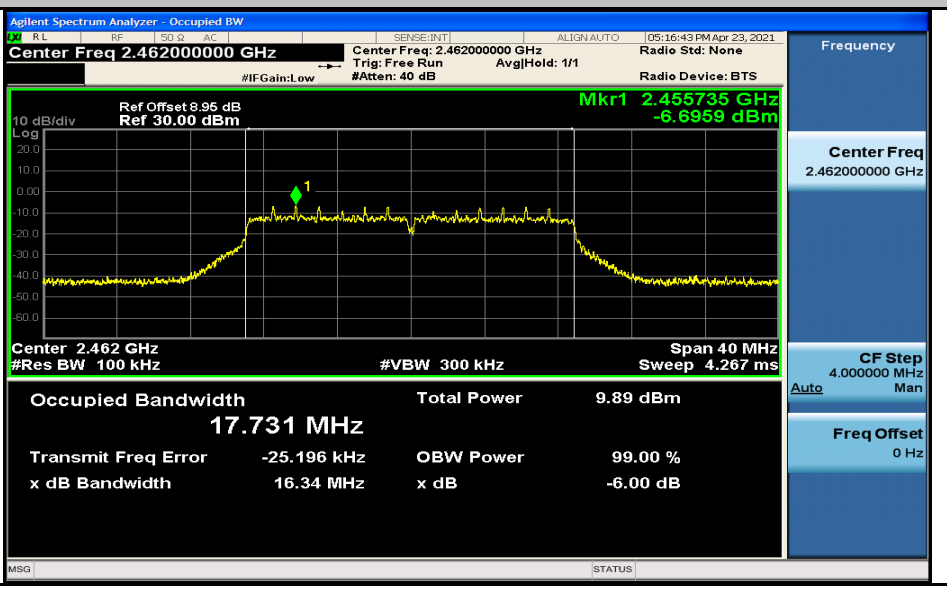
6dB Bandwidth_11N20SISO_2412_Ant1



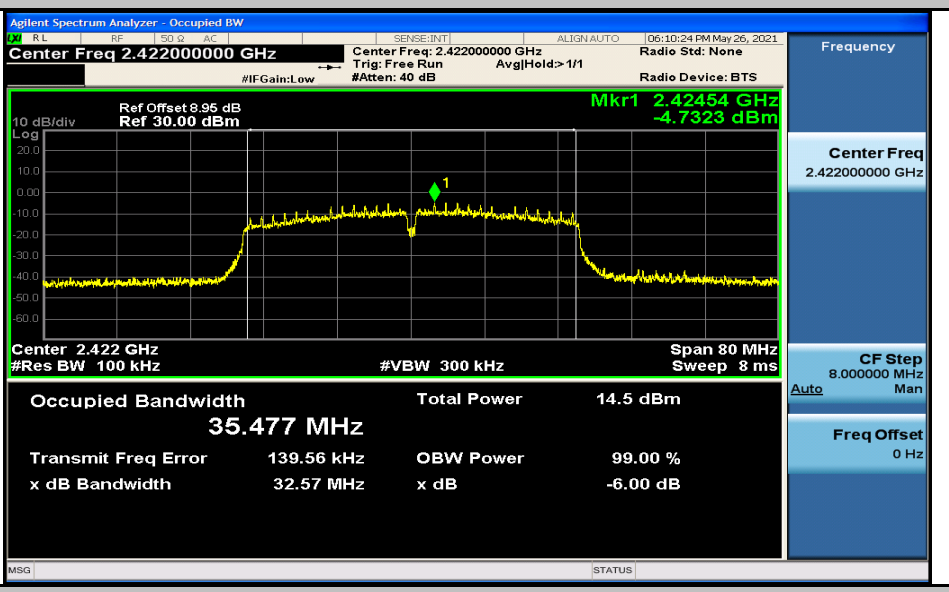
6dB Bandwidth_11N20SISO_2437_Ant1



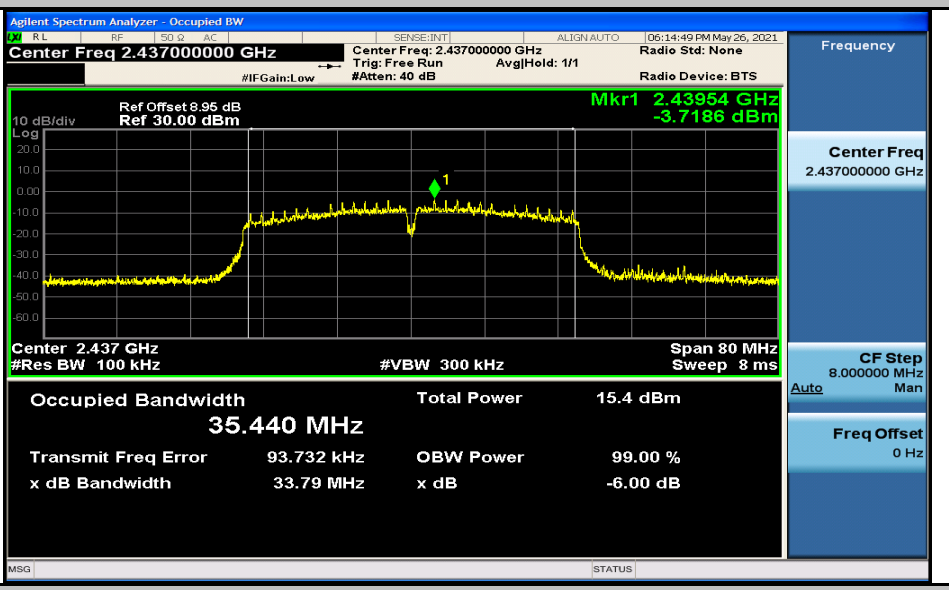
6dB Bandwidth_11N20SISO_2462_Ant1



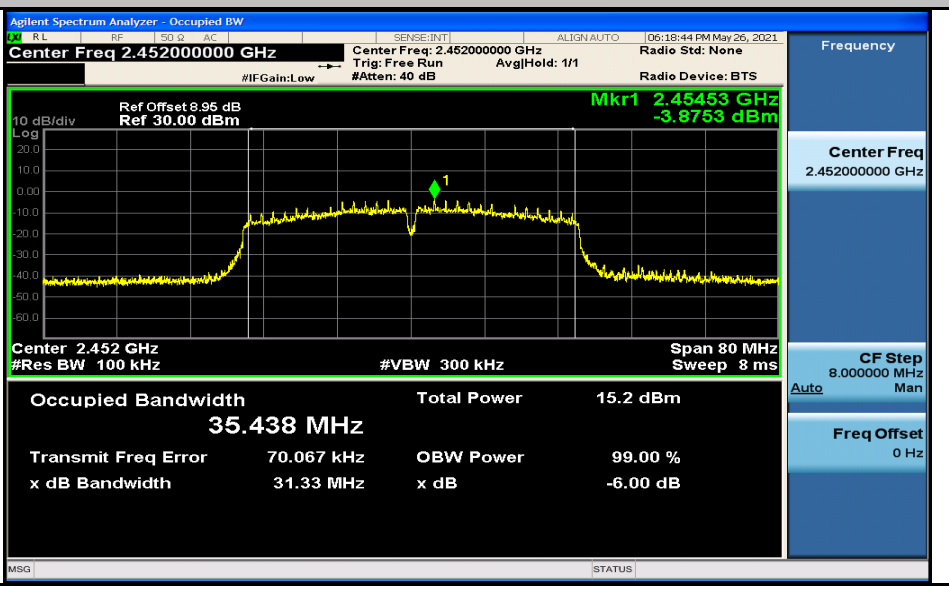
6dB Bandwidth_11N40SISO_2422_Ant1



6dB Bandwidth_11N40SISO_2437_Ant1



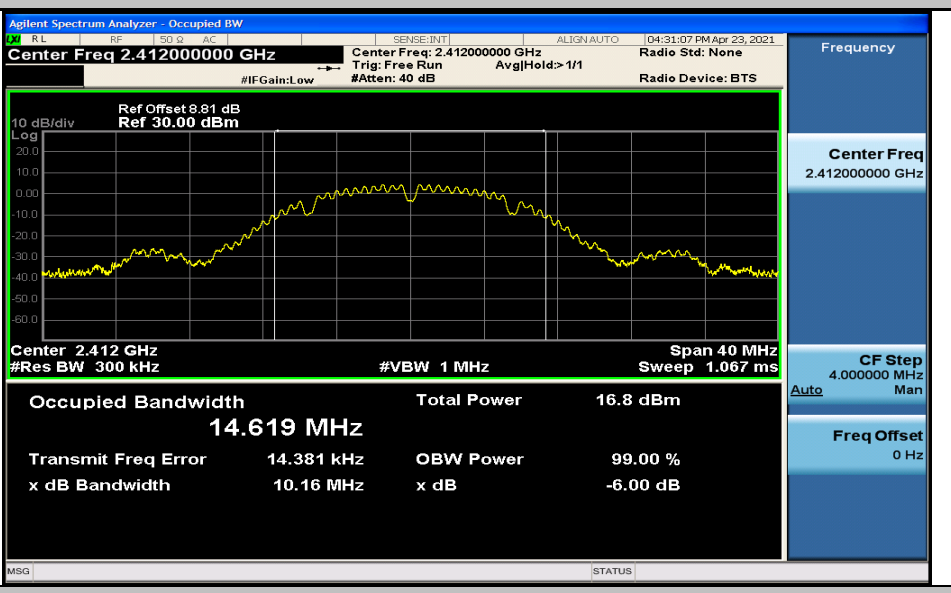
6dB Bandwidth_11N40SISO_2452_Ant1



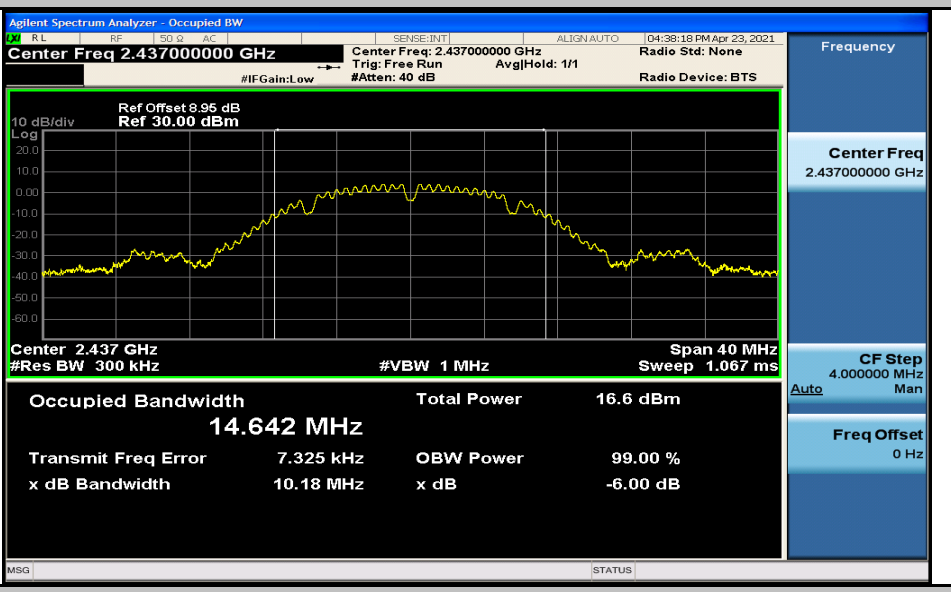
2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	14.62	---	PASS
11B	2437	Ant1	14.64	---	PASS
11B	2462	Ant1	14.58	---	PASS
11G	2412	Ant1	18.43	---	PASS
11G	2437	Ant1	17.28	---	PASS
11G	2462	Ant1	17.27	---	PASS
11N20SISO	2412	Ant1	18.22	---	PASS
11N20SISO	2437	Ant1	18.22	---	PASS
11N20SISO	2462	Ant1	18.27	---	PASS
11N40SISO	2422	Ant1	35.74	---	PASS
11N40SISO	2437	Ant1	35.70	---	PASS
11N40SISO	2452	Ant1	35.65	---	PASS

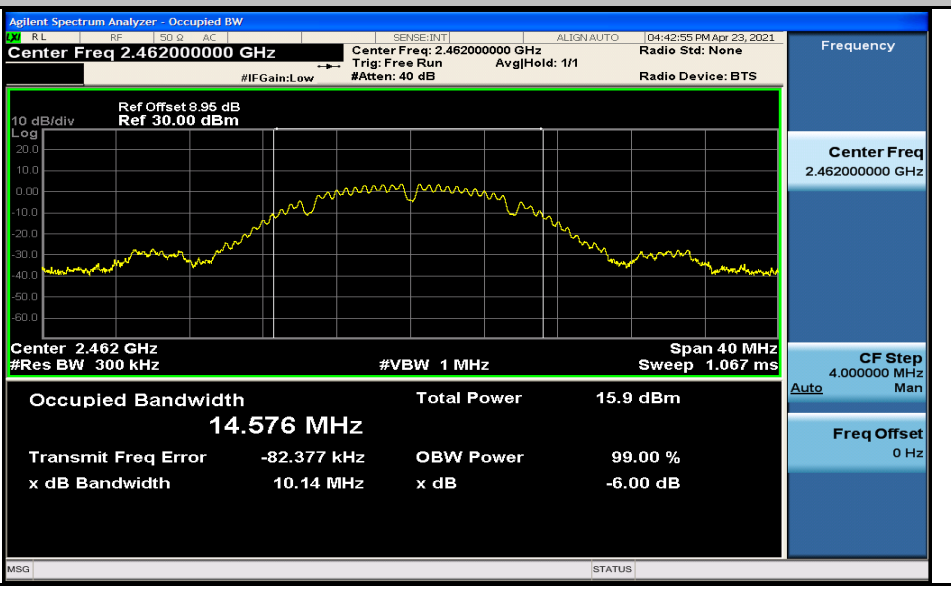
Occupied Bandwidth_11B_2412



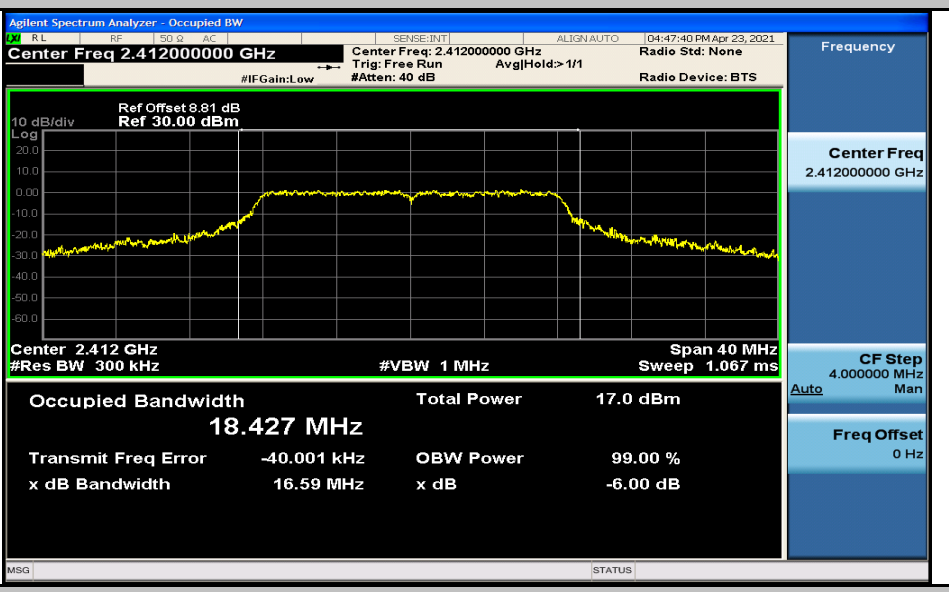
Occupied Bandwidth_11B_2437



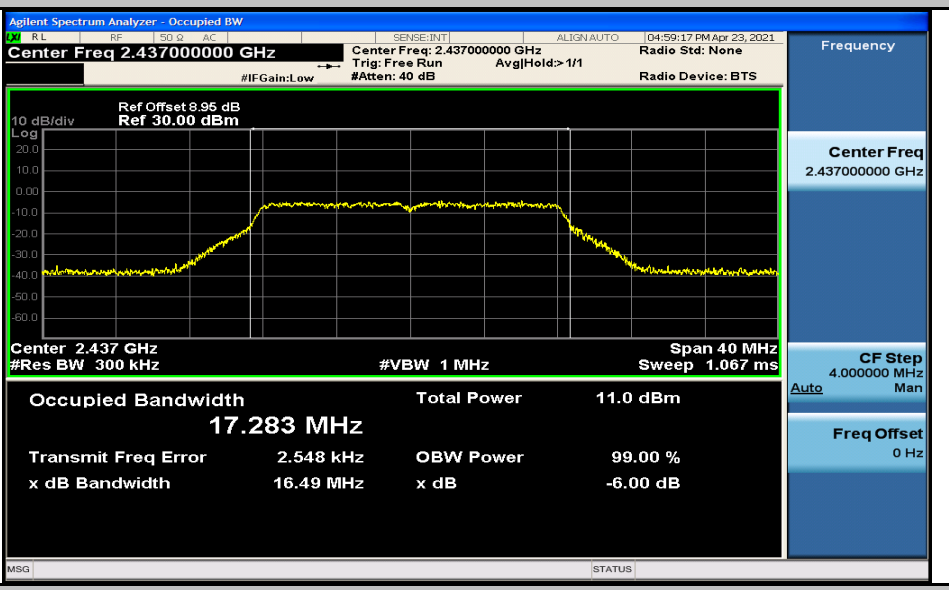
Occupied Bandwidth_11B_2462



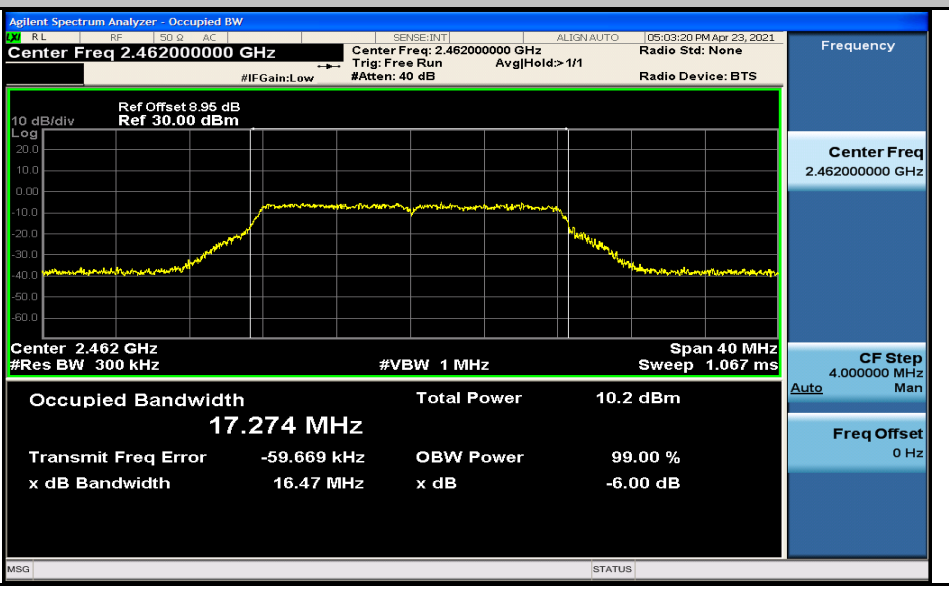
Occupied Bandwidth_11G_2412



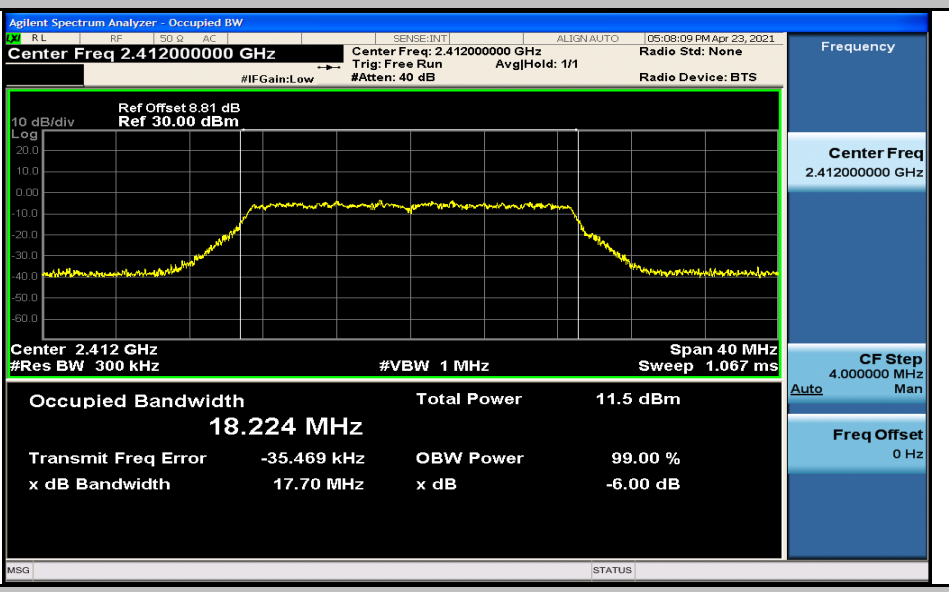
Occupied Bandwidth_11G_2437



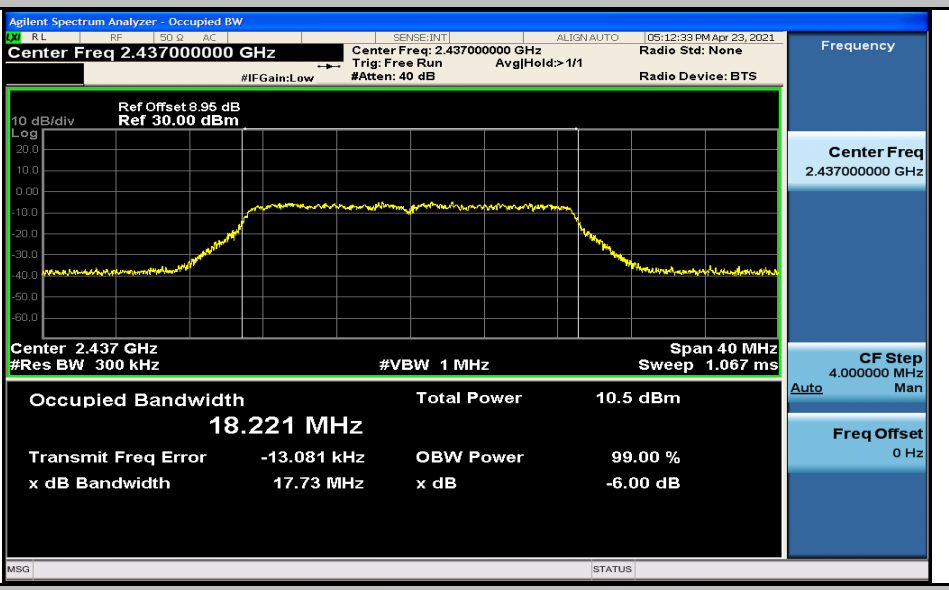
Occupied Bandwidth_11G_2462



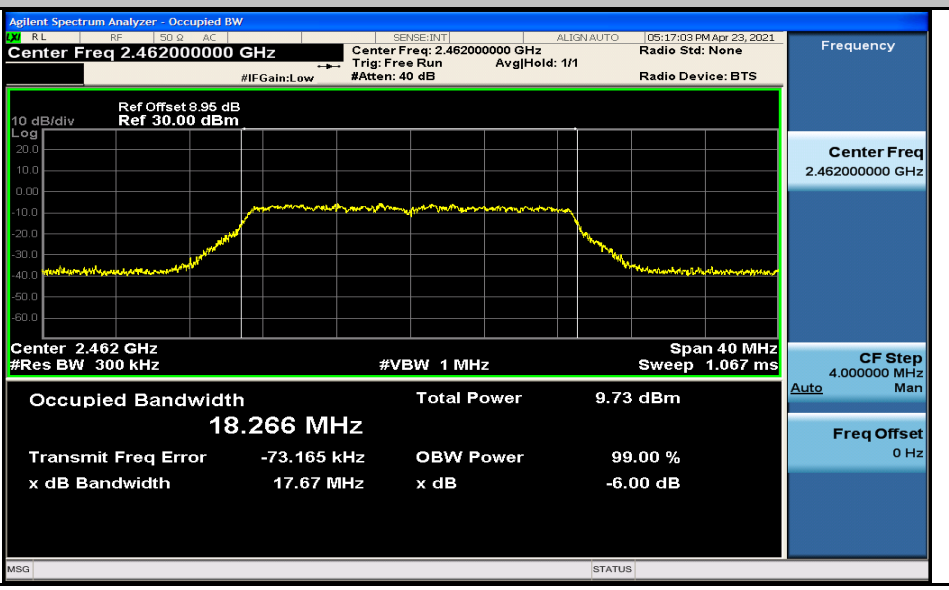
Occupied Bandwidth_11N20SISO_2412



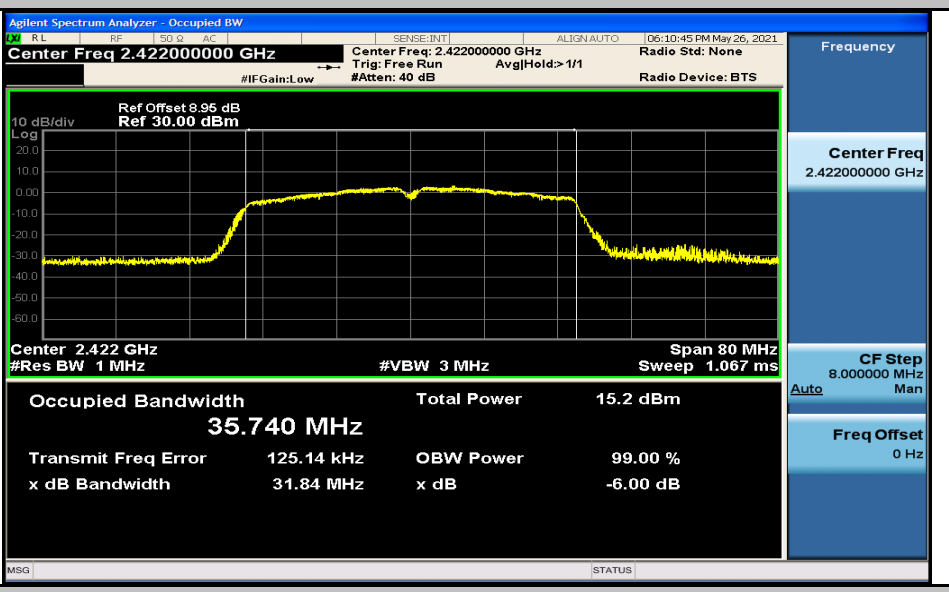
Occupied Bandwidth_11N20SISO_2437



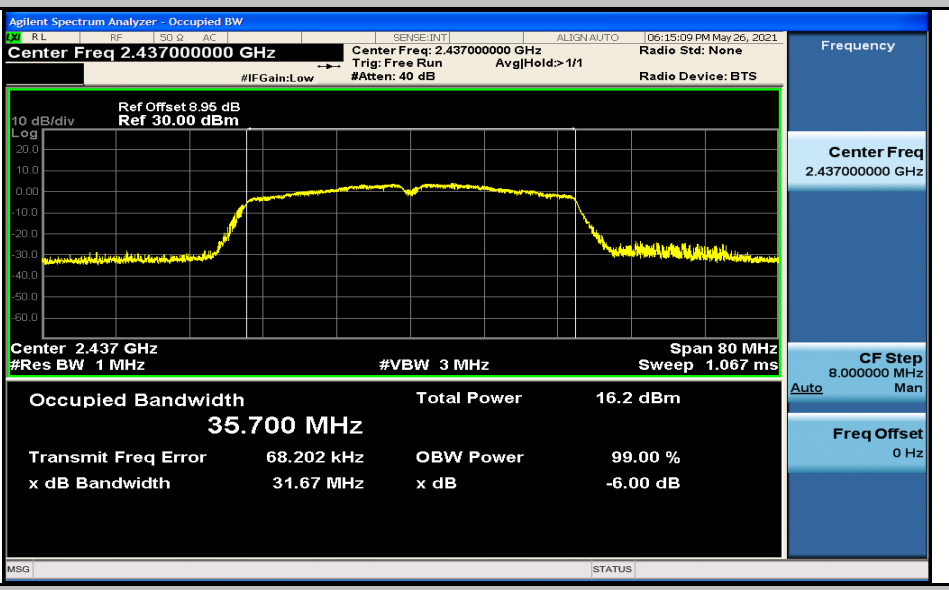
Occupied Bandwidth_11N20SISO_2462



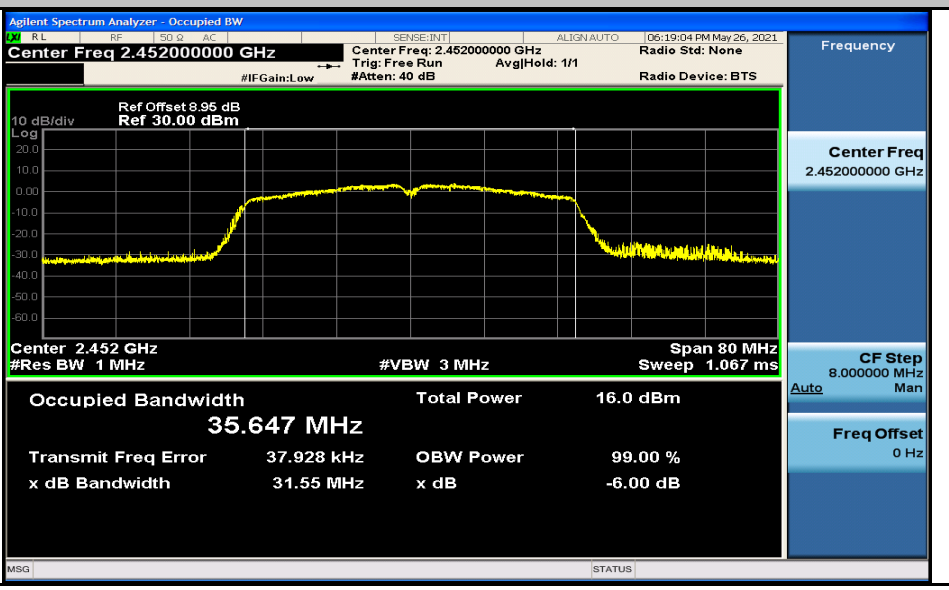
Occupied Bandwidth_11N40SISO_2422



Occupied Bandwidth_11N40SISO_2437



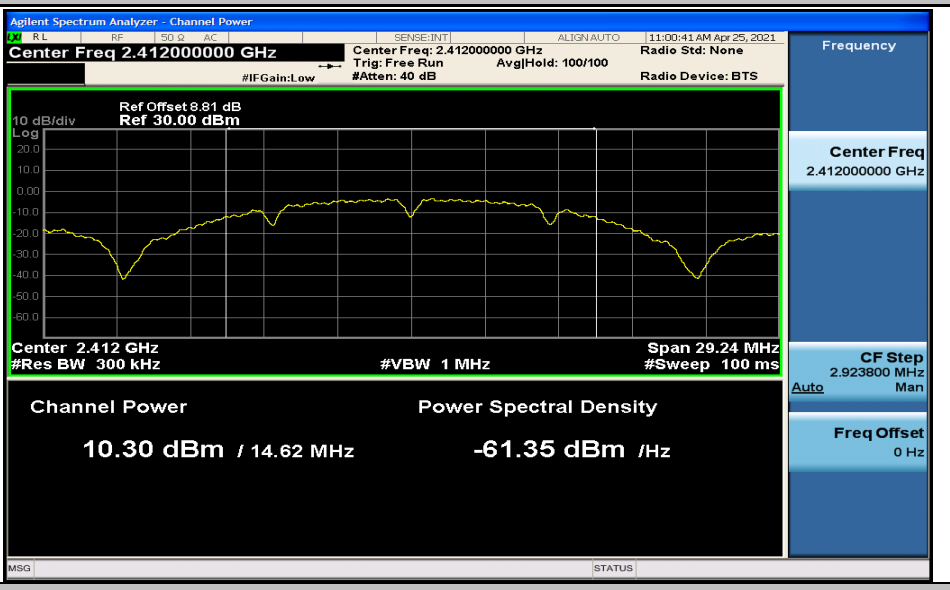
Occupied Bandwidth_11N40SISO_2452



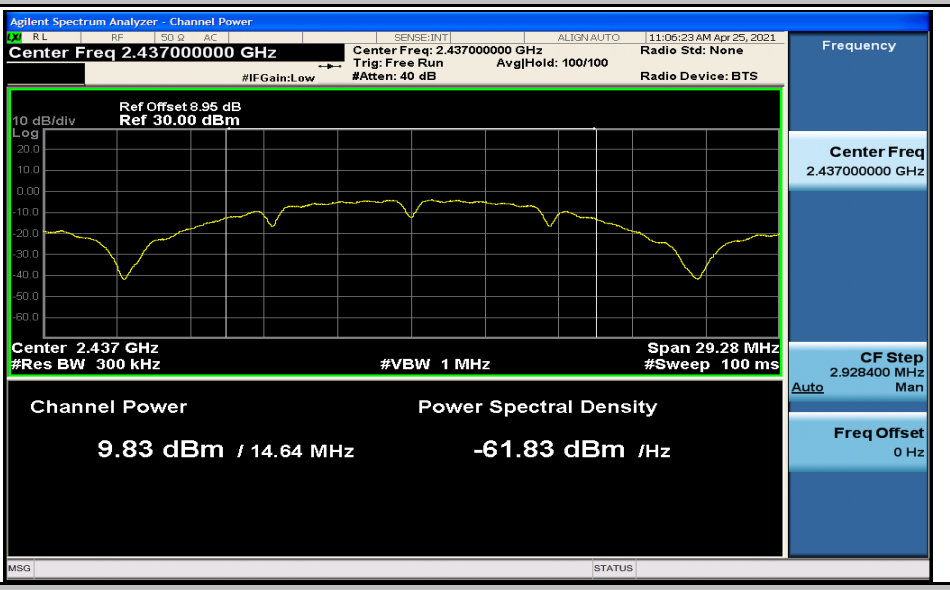
3.Maximum conducted (average) output power

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	10.3	3.19	13.49	30	PASS
11B	2437	Ant1	9.83	3.19	13.02	30	PASS
11B	2462	Ant1	9.34	3.18	12.52	30	PASS
11G	2412	Ant1	9.97	3.19	13.16	30	PASS
11G	2437	Ant1	9.58	3.19	12.78	30	PASS
11G	2462	Ant1	8.63	3.20	11.84	30	PASS
11N20SISO	2412	Ant1	9.61	3.31	12.92	30	PASS
11N20SISO	2437	Ant1	9.48	3.31	12.78	30	PASS
11N20SISO	2462	Ant1	8.79	3.30	12.09	30	PASS
11N40SISO	2422	Ant1	7.86	0.10	7.96	30	PASS
11N40SISO	2437	Ant1	8.73	0.08	8.81	30	PASS
11N40SISO	2452	Ant1	8.56	0.10	8.66	30	PASS

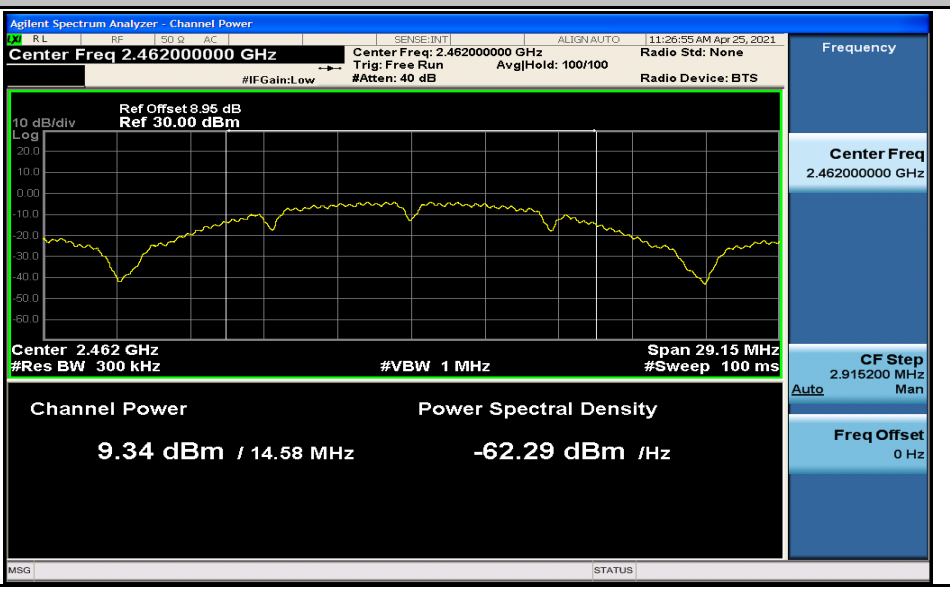
Maximum conducted (average) output power_11B_2412_Ant1



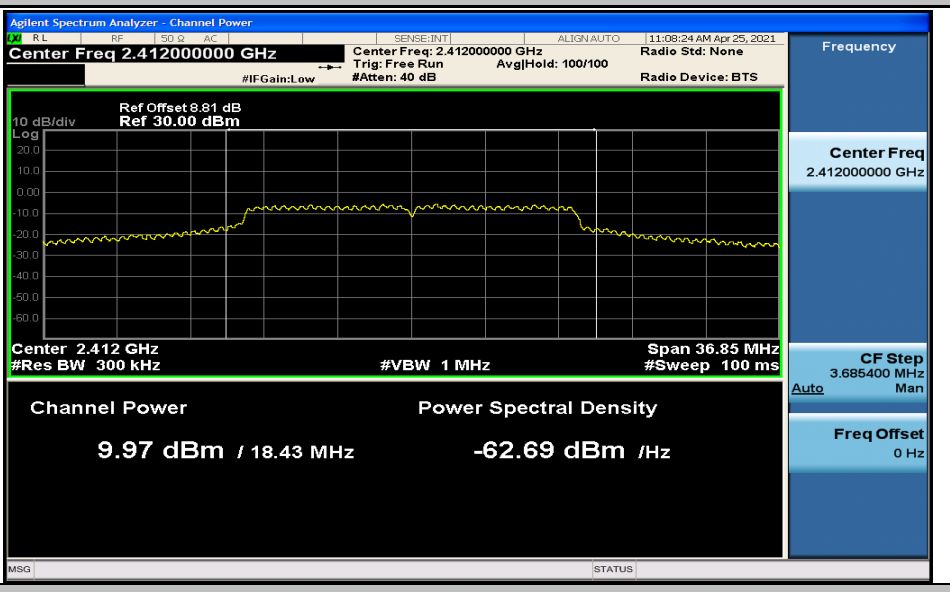
Maximum conducted (average) output power_11B_2437_Ant1



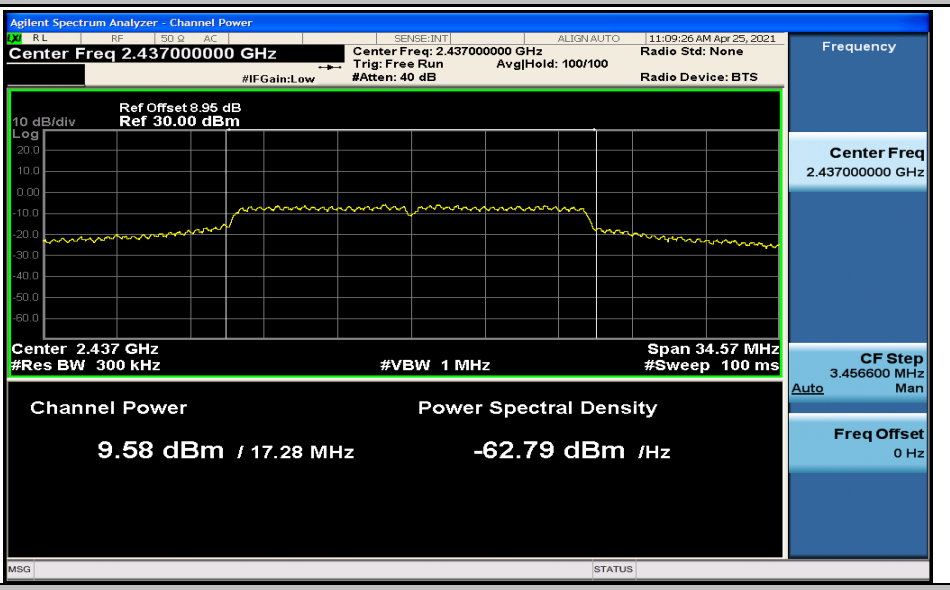
Maximum conducted (average) output power_11B_2462_Ant1



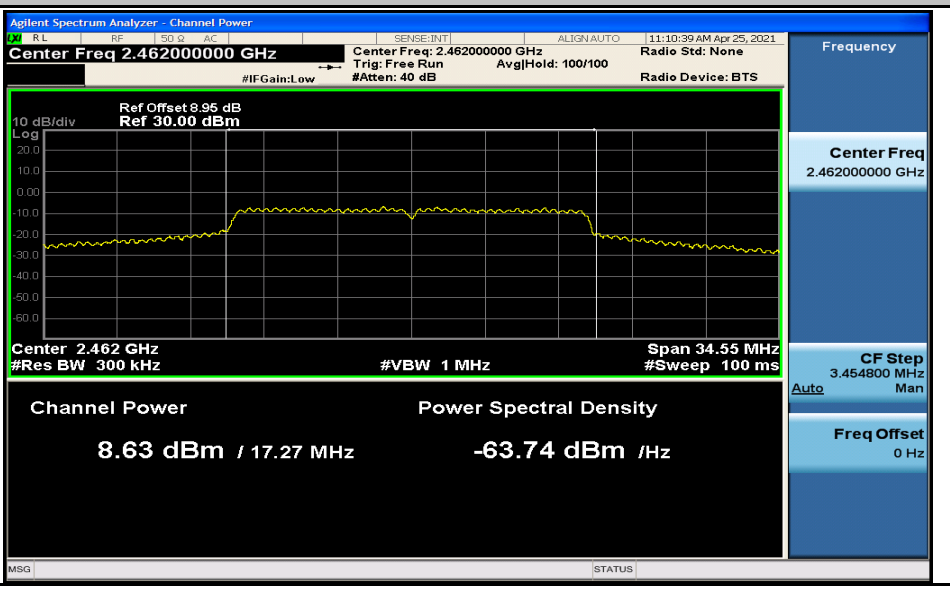
Maximum conducted (average) output power_11G_2412_Ant1



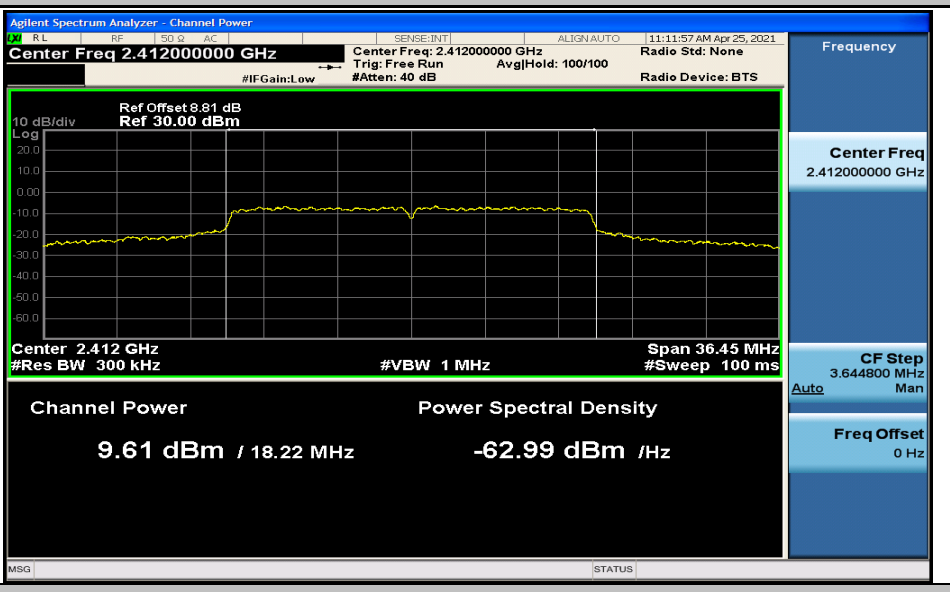
Maximum conducted (average) output power_11G_2437_Ant1



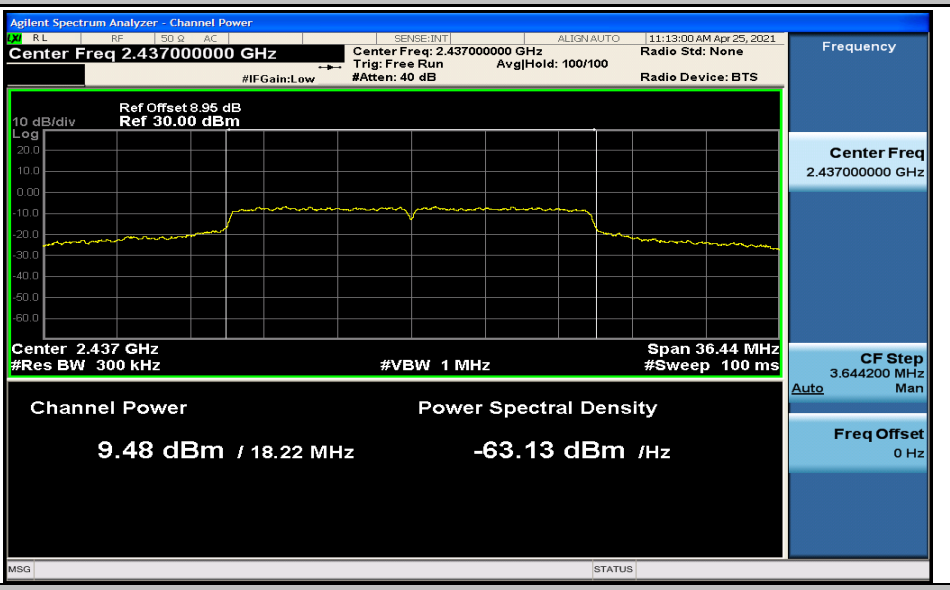
Maximum conducted (average) output power_11G_2462_Ant1



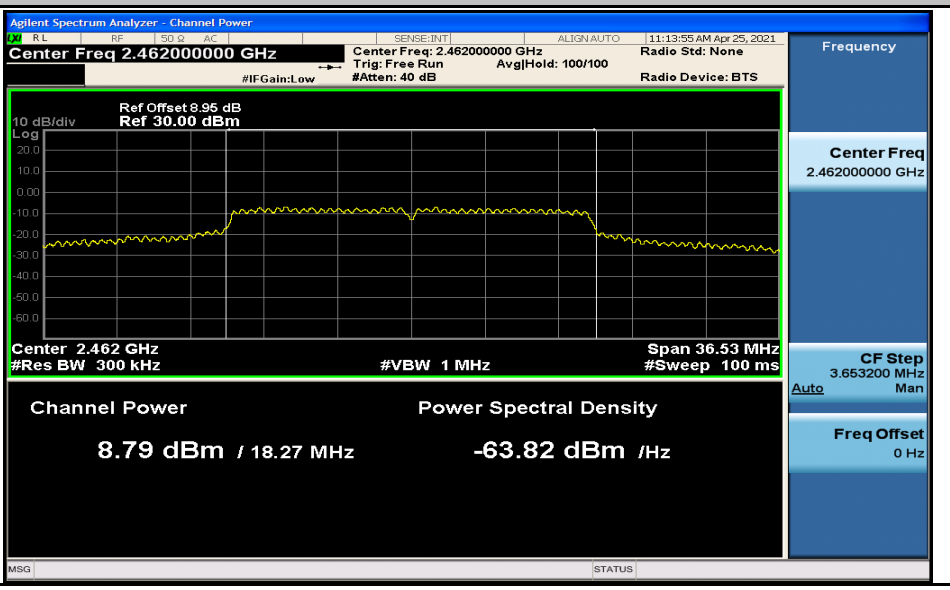
Maximum conducted (average) output power_11N20SISO_2412_Ant1



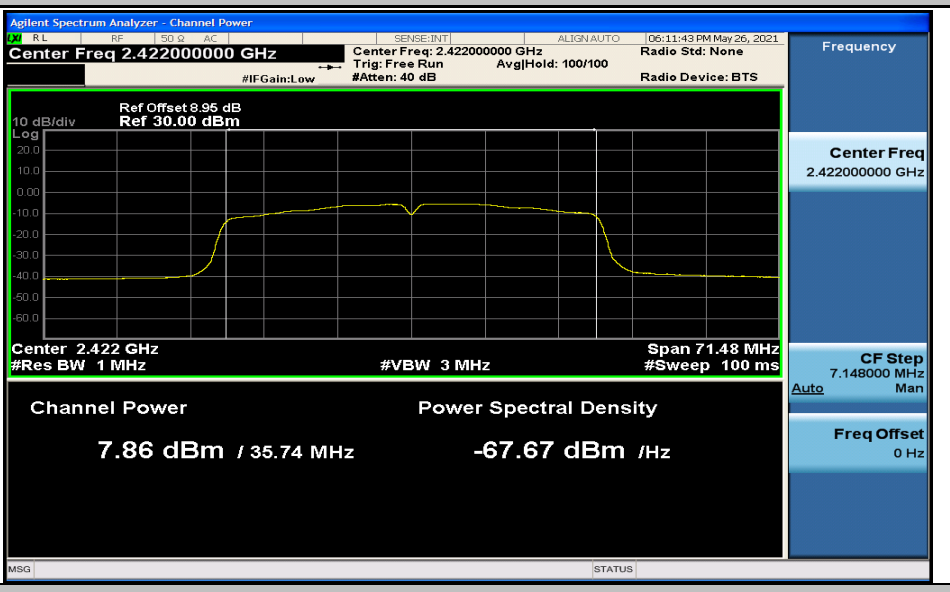
Maximum conducted (average) output power_11N20SISO_2437_Ant1



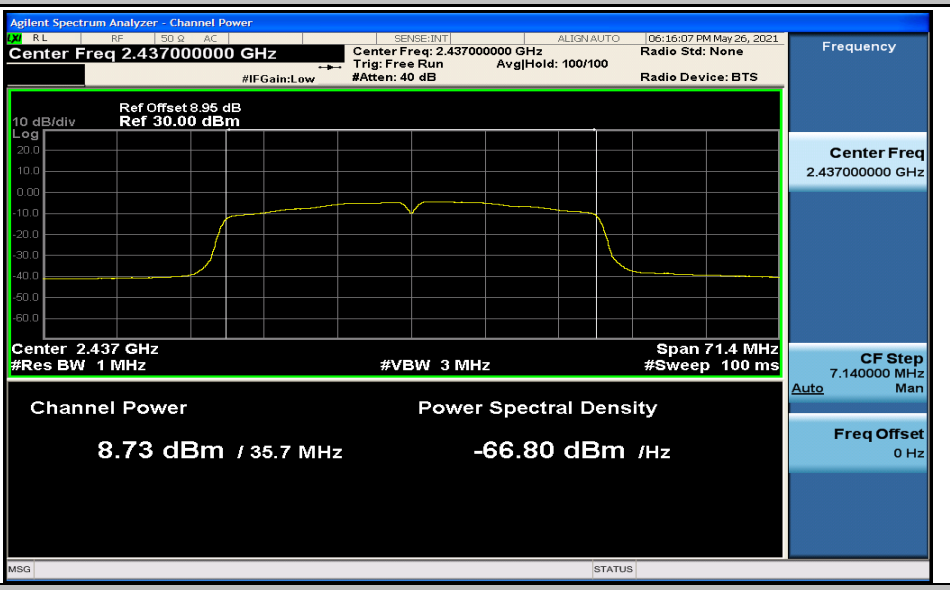
Maximum conducted (average) output power_11N20SISO_2462_Ant1



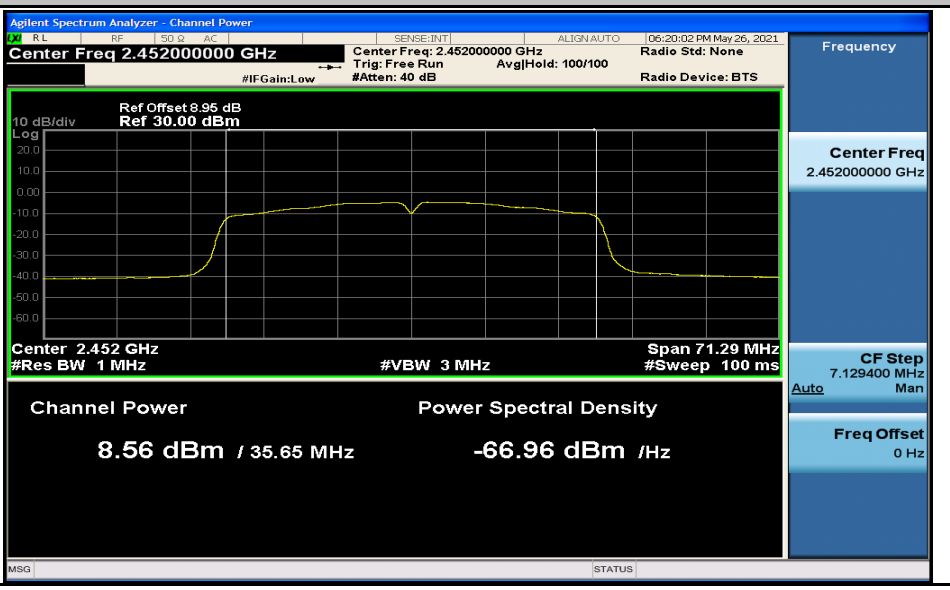
Maximum conducted (average) output power_11N40SISO_2422_Ant1



Maximum conducted (average) output power_11N40SISO_2437_Ant1



Maximum conducted (average) output power_11N40SISO_2452_Ant1



4.Maximum(average) power spectral density

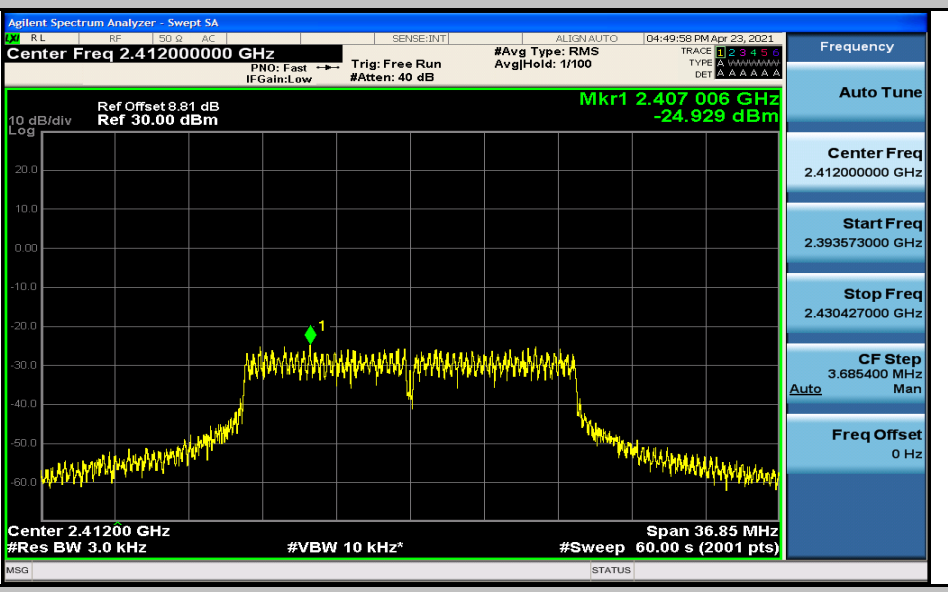
Test Mode	Test Channel	Ant	Level [dBm/3kHz]	10log(1/x) Factor[dB]	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-20.27	3.19	-17.08	8.00	PASS
11B	2437	Ant1	-20.33	3.19	-17.14	8.00	PASS
11B	2462	Ant1	-21.35	3.18	-18.17	8.00	PASS
11G	2412	Ant1	-24.93	3.19	-21.74	8.00	PASS
11G	2437	Ant1	-30.88	3.19	-27.69	8.00	PASS
11G	2462	Ant1	-31.37	3.20	-28.17	8.00	PASS
11N20SISO	2412	Ant1	-30.65	3.31	-27.34	8.00	PASS
11N20SISO	2437	Ant1	-31.52	3.31	-28.21	8.00	PASS
11N20SISO	2462	Ant1	-32.48	3.30	-29.18	8.00	PASS
11N40SISO	2422	Ant1	-27.15	0.10	-27.05	8.00	PASS
11N40SISO	2437	Ant1	-26.16	0.08	-26.08	8.00	PASS
11N40SISO	2452	Ant1	-25.95	0.10	-25.85	8.00	PASS

Maximum(average) power spectral density_11B_2412_Ant1

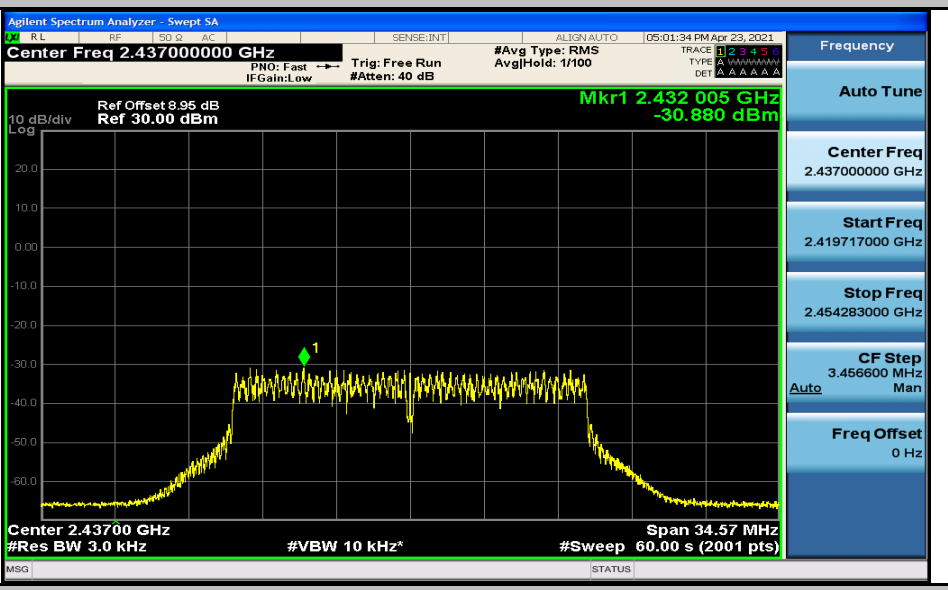
Maximum(average) power spectral density_11B_2437_Ant1

Maximum(average) power spectral density_11B_2462_Ant1

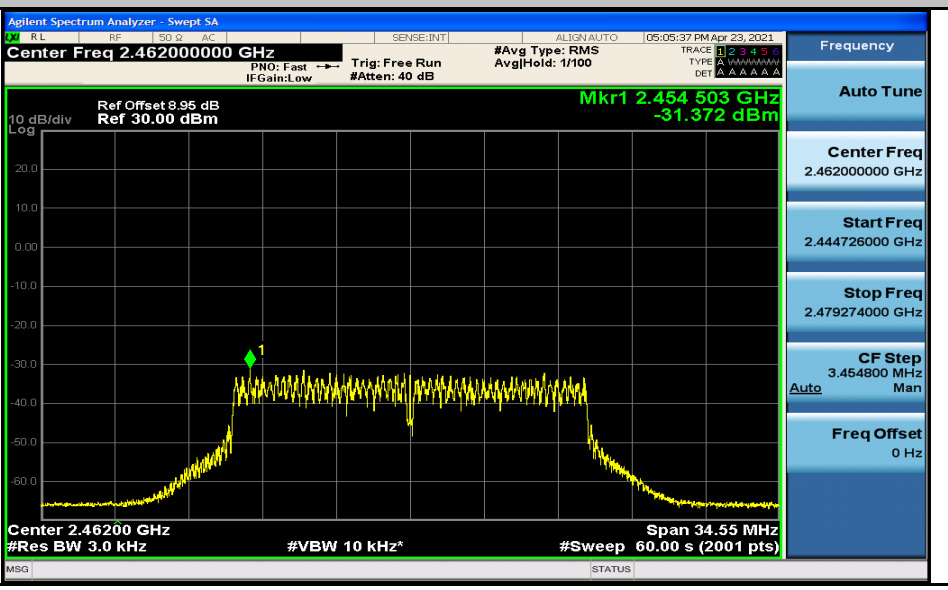
Maximum(average) power spectral density_11G_2412_Ant1



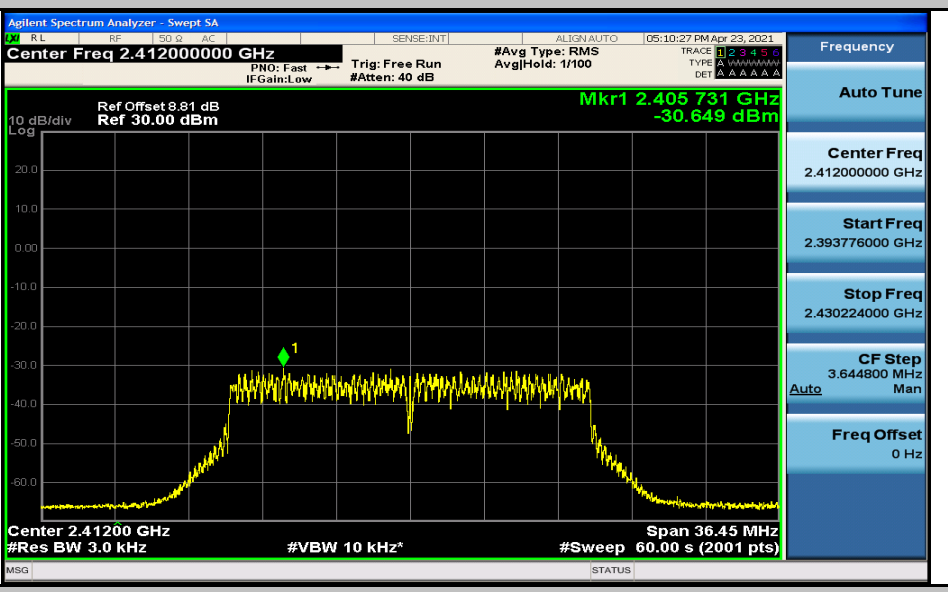
Maximum(average) power spectral density_11G_2437_Ant1



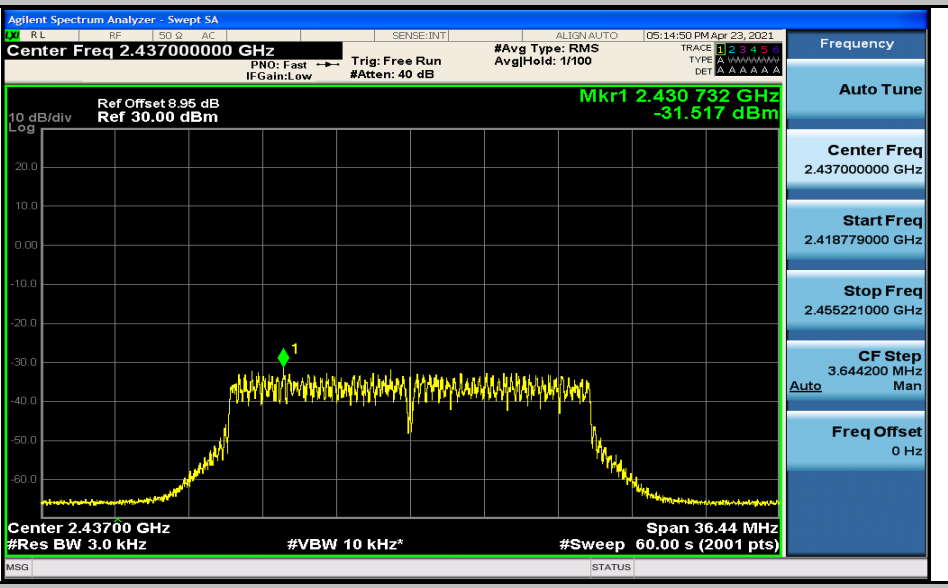
Maximum(average) power spectral density_11G_2462_Ant1



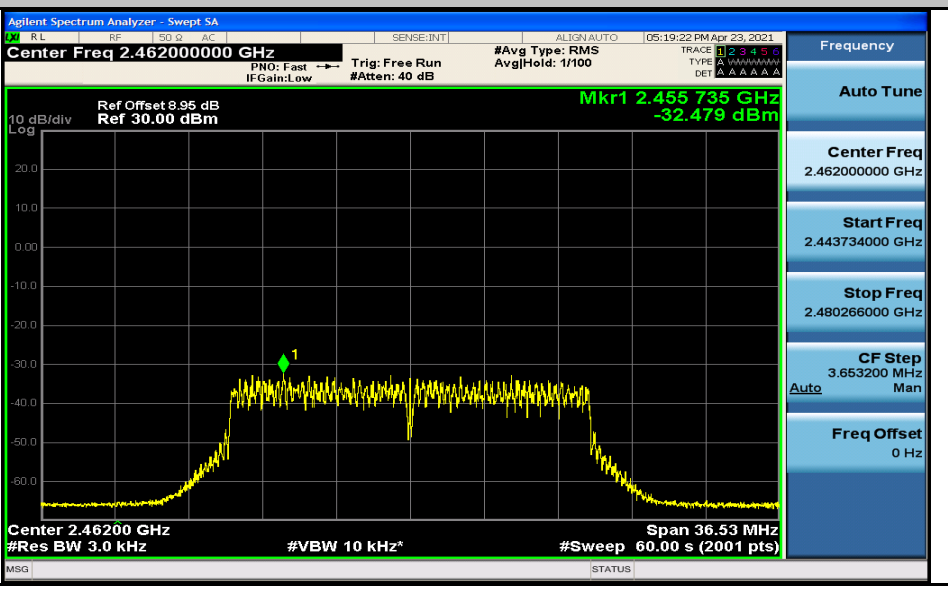
Maximum(average) power spectral density_11N20SISO_2412_Ant1



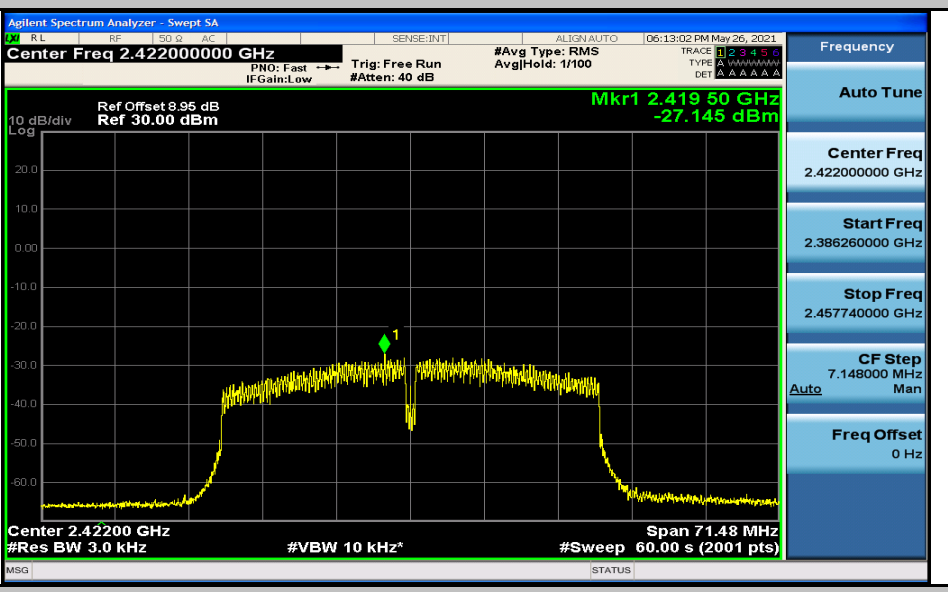
Maximum(average) power spectral density_11N20SISO_2437_Ant1



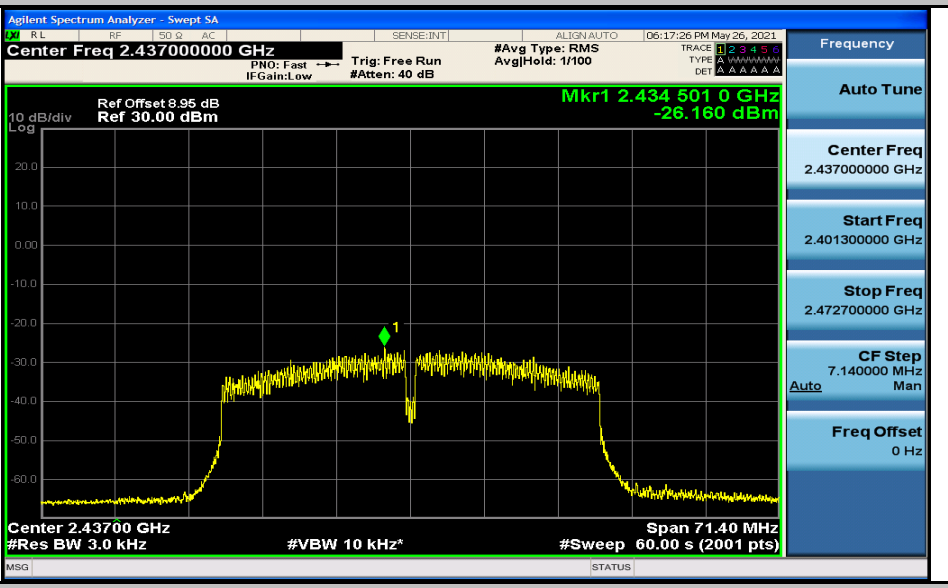
Maximum(average) power spectral density_11N20SISO_2462_Ant1



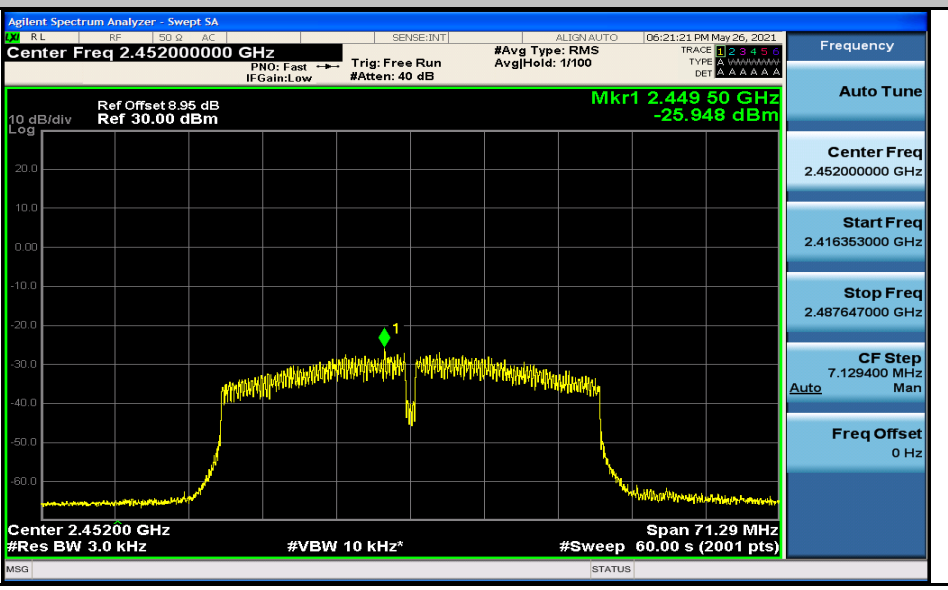
Maximum(average) power spectral density_11N40SISO_2422_Ant1



Maximum(average) power spectral density_11N40SISO_2437_Ant1



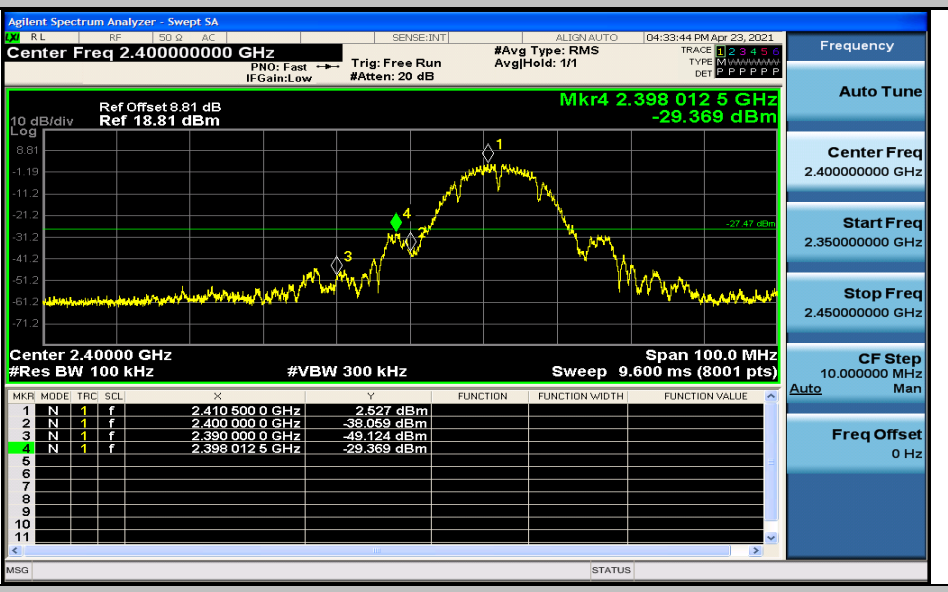
Maximum(average) power spectral density_11N40SISO_2452_Ant1



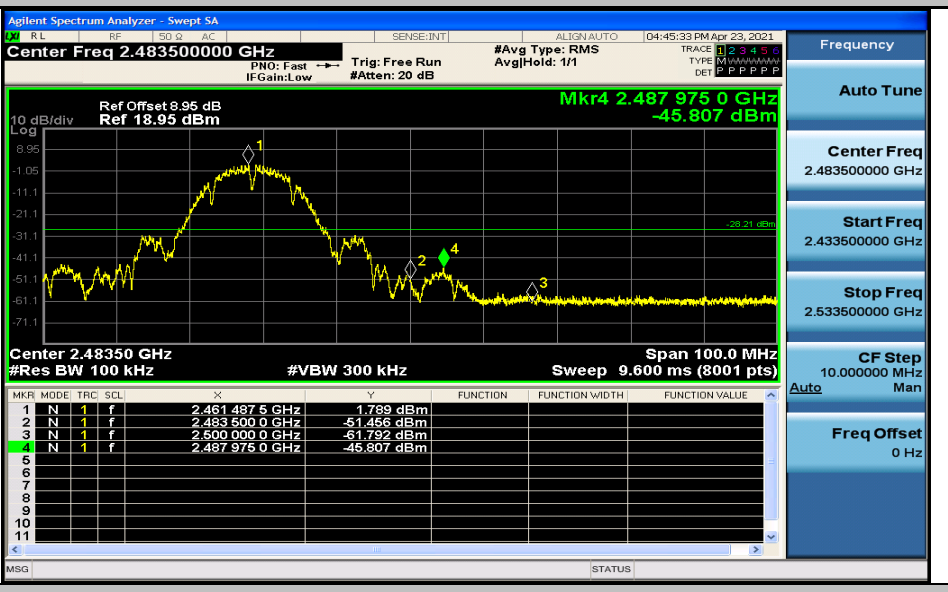
5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	2.53	-29.37	-27.47	PASS
11B	2462	Ant1	1.79	-45.81	-28.21	PASS
11G	2412	Ant1	-5.44	-43.13	-35.44	PASS
11G	2462	Ant1	-6.33	-57.10	-36.33	PASS
11N20SISO	2412	Ant1	-5.80	-40.65	-35.80	PASS
11N20SISO	2462	Ant1	-6.76	-57.07	-36.76	PASS
11N40SISO	2422	Ant1	-4.68	-42.41	-34.68	PASS
11N40SISO	2452	Ant1	-3.90	-40.76	-33.90	PASS

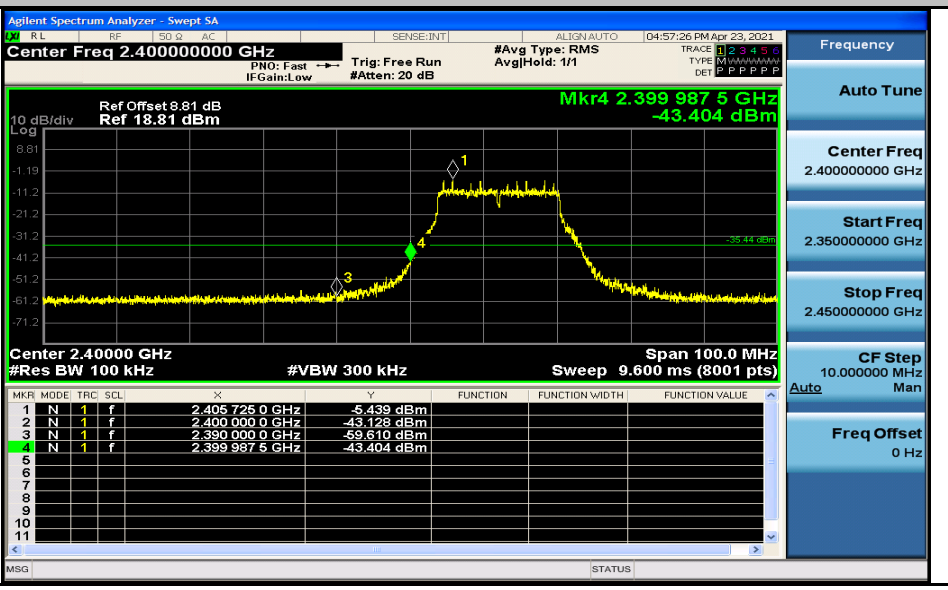
Band-edge for RF Conducted Emissions_11B_2412_Ant1



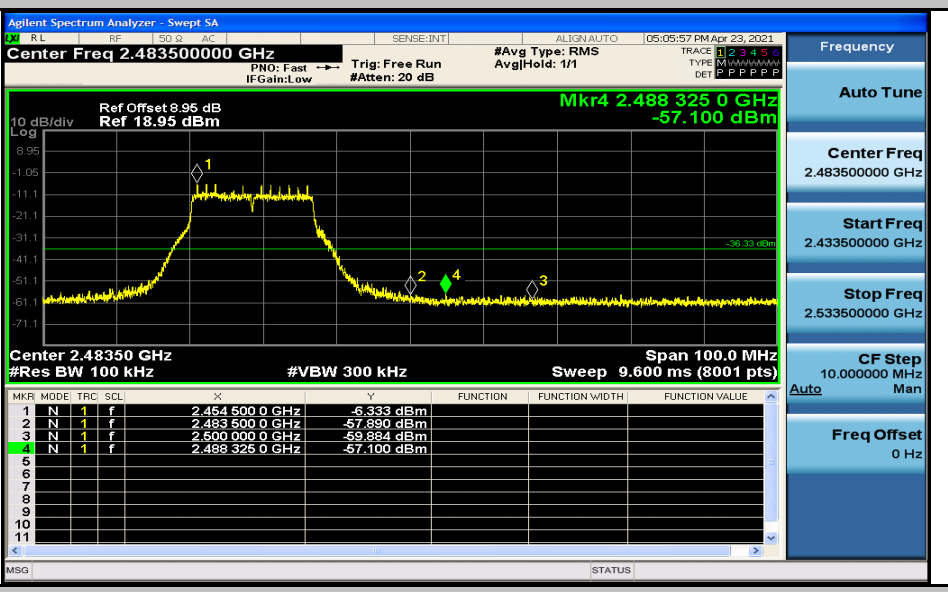
Band-edge for RF Conducted Emissions_11B_2462_Ant1



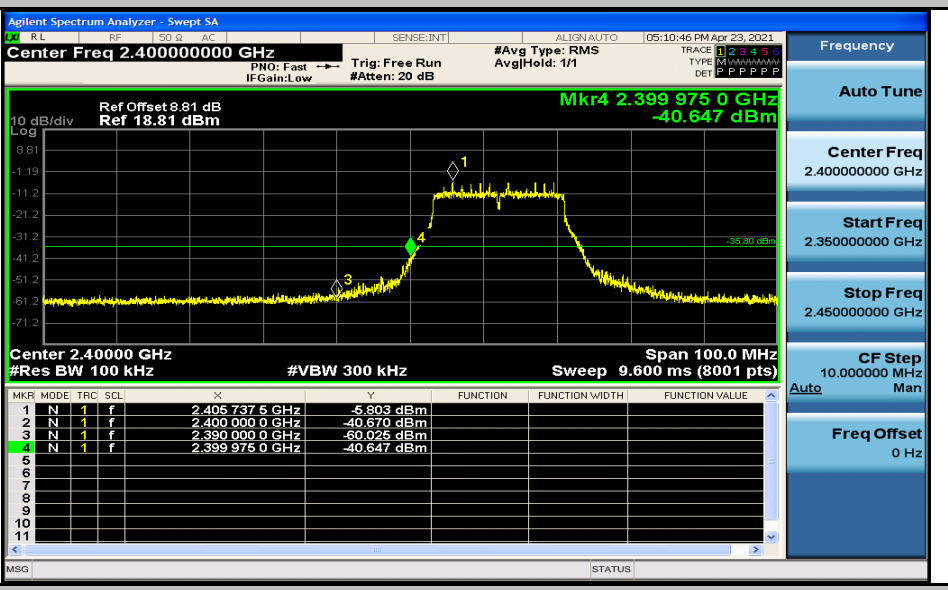
Band-edge for RF Conducted Emissions_11G_2412_Ant1



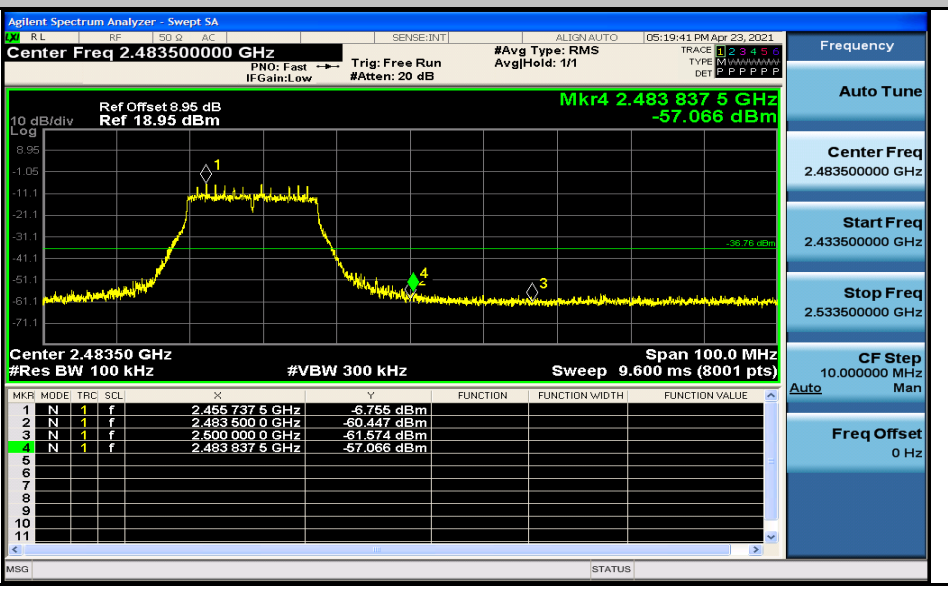
Band-edge for RF Conducted Emissions_11G_2462_Ant1



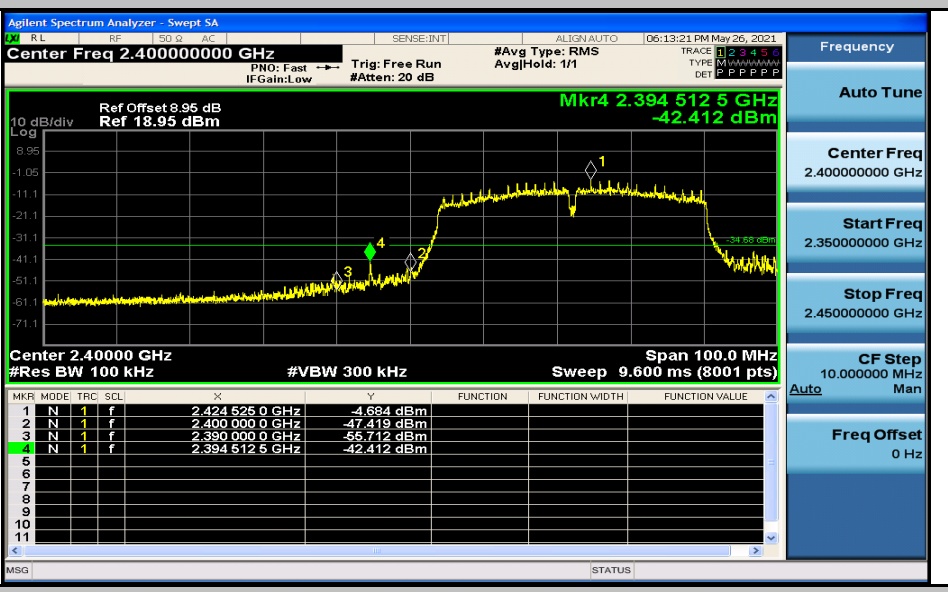
Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



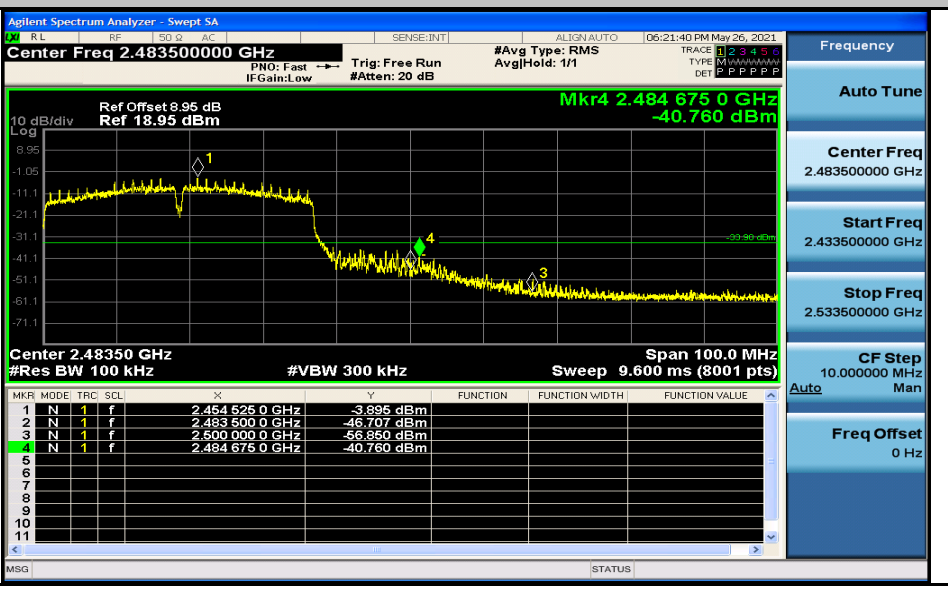
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2422_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2452_Ant1

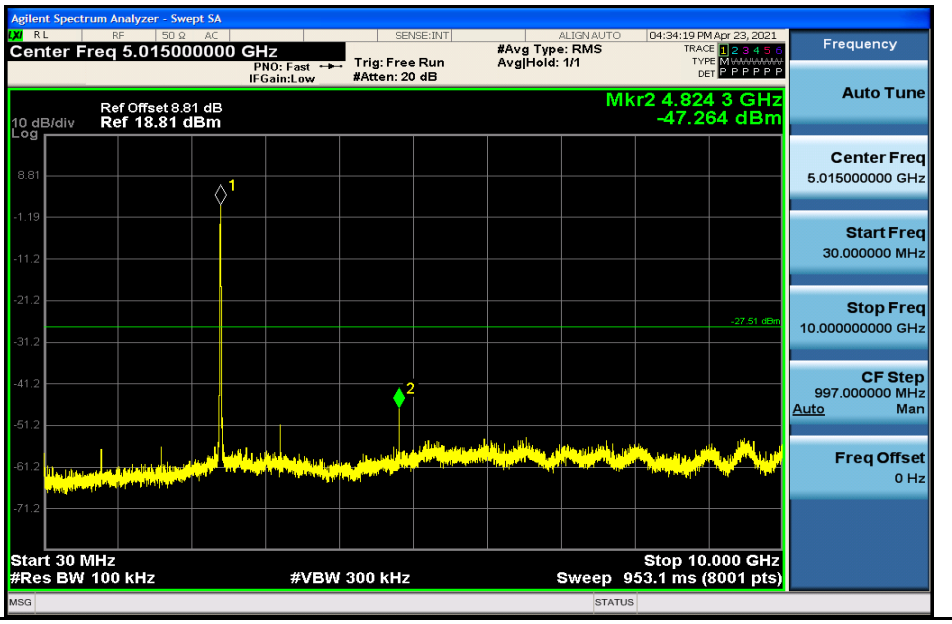


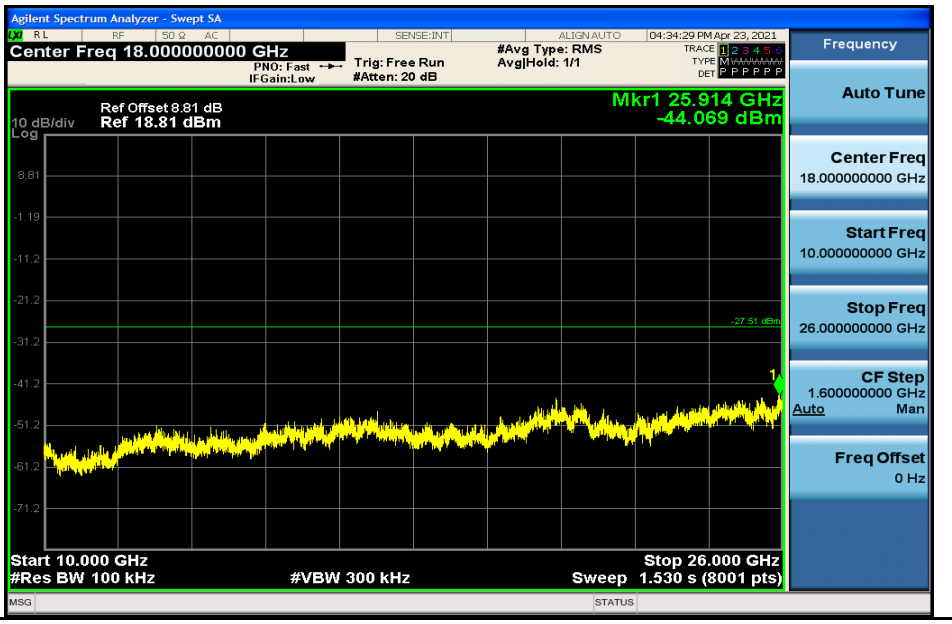
6.RF Conducted Spurious Emissions

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	2.49	-47.26	<-27.51	PASS
11B	2412	Ant1	10000	26000	100	300	2.487	-44.069	<-27.513	PASS
11B	2437	Ant1	30	10000	100	300	2.34	-38.83	<-27.66	PASS
11B	2437	Ant1	10000	26000	100	300	2.338	-43.677	<-27.662	PASS
11B	2462	Ant1	30	10000	100	300	1.74	-51.33	<-28.26	PASS
11B	2462	Ant1	10000	26000	100	300	1.74	-44.157	<-28.26	PASS
11G	2412	Ant1	30	10000	100	300	-5.34	-52.05	<-35.34	PASS
11G	2412	Ant1	10000	26000	100	300	-5.34	-43.760	<-35.34	PASS
11G	2437	Ant1	30	10000	100	300	-5.60	-50.48	<-35.60	PASS
11G	2437	Ant1	10000	26000	100	300	-5.597	-43.953	<-35.597	PASS
11G	2462	Ant1	30	10000	100	300	-6.26	-51.70	<-36.26	PASS
11G	2462	Ant1	10000	26000	100	300	-6.263	-43.646	<-36.263	PASS
11N20SISO	2412	Ant1	30	10000	100	300	-5.83	-50.36	<-35.83	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	-5.828	-43.940	<-35.828	PASS
11N20SISO	2437	Ant1	30	10000	100	300	-6.17	-50.49	<-36.17	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	-6.173	-42.331	<-36.173	PASS
11N20SISO	2462	Ant1	30	10000	100	300	-6.78	-53.45	<-36.78	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	-6.784	-44.376	<-36.784	PASS
11N40SISO	2422	Ant1	30	10000	100	300	-4.77	-53.19	<-34.77	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	-4.771	-42.933	<-34.771	PASS
11N40SISO	2437	Ant1	30	10000	100	300	-3.76	-53.35	<-33.76	PASS
11N40SISO	2437	Ant1	10000	26000	100	300	-3.755	-42.457	<-33.755	PASS
11N40SISO	2452	Ant1	30	10000	100	300	-4.25	-53.73	<-34.25	PASS

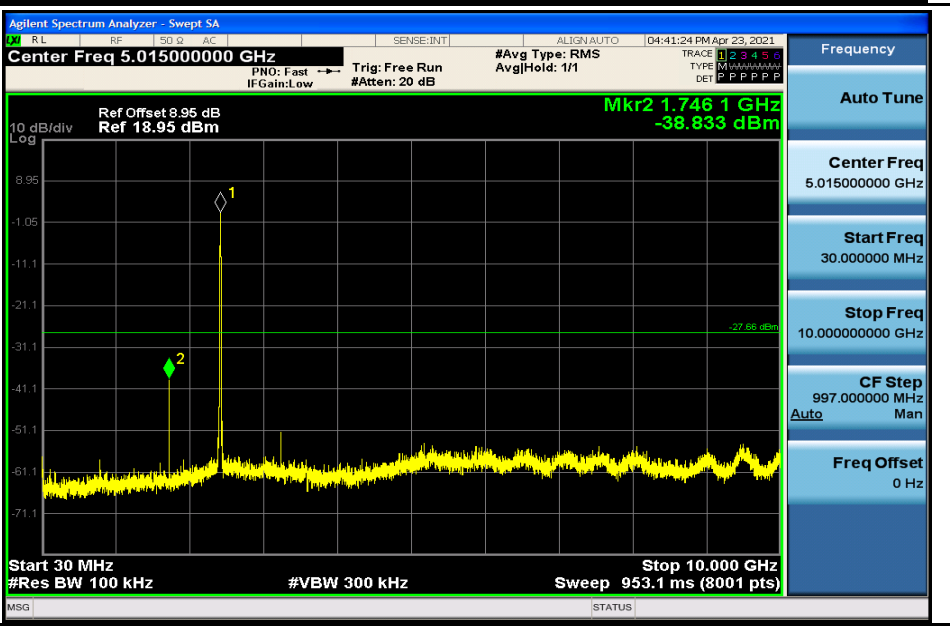
11N40SISO	2452	Ant1	10000	26000	100	300	-4.245	-44.306	<-34.245	PASS

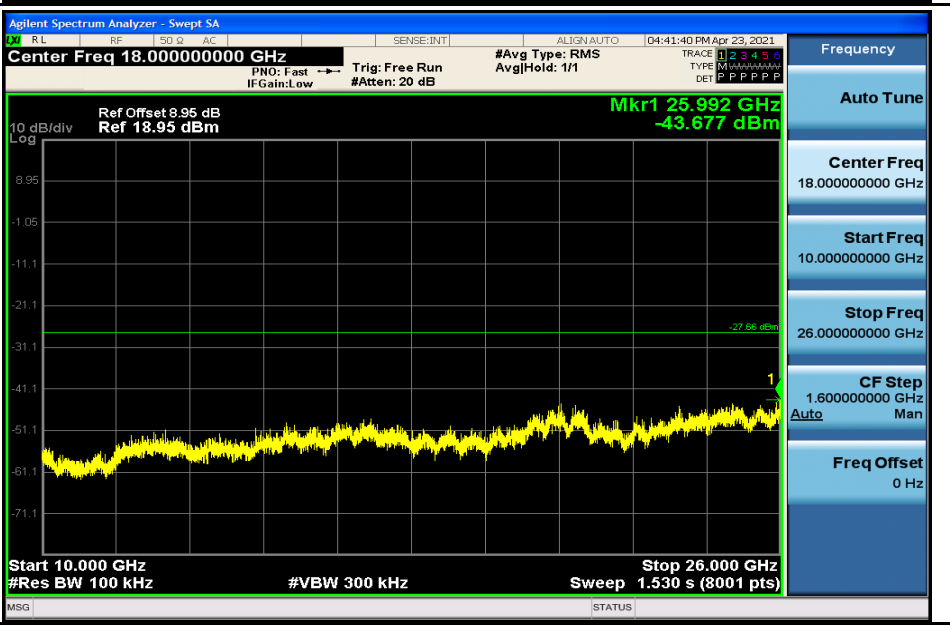
RF Conducted Spurious Emissions_11B_2412



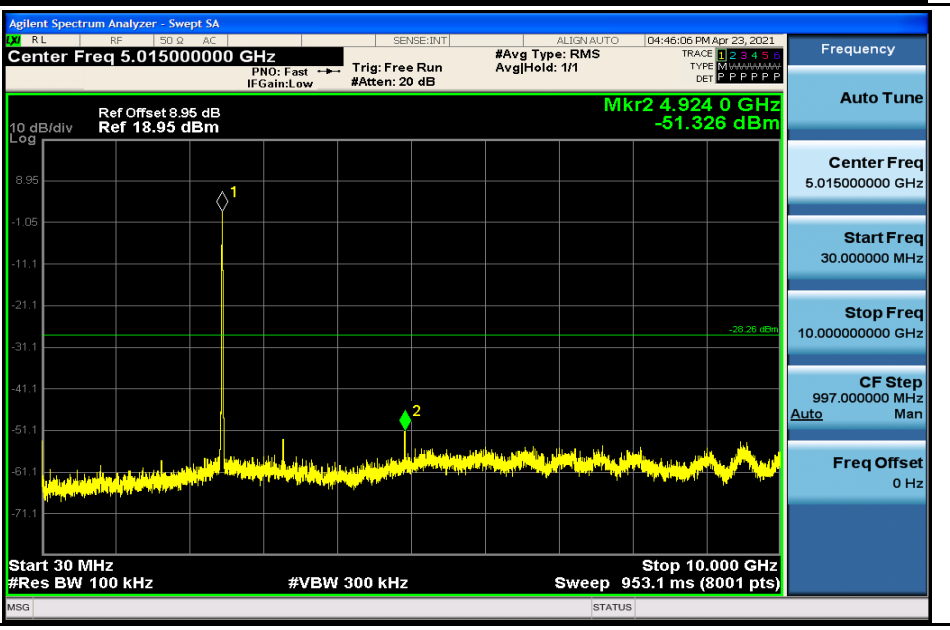


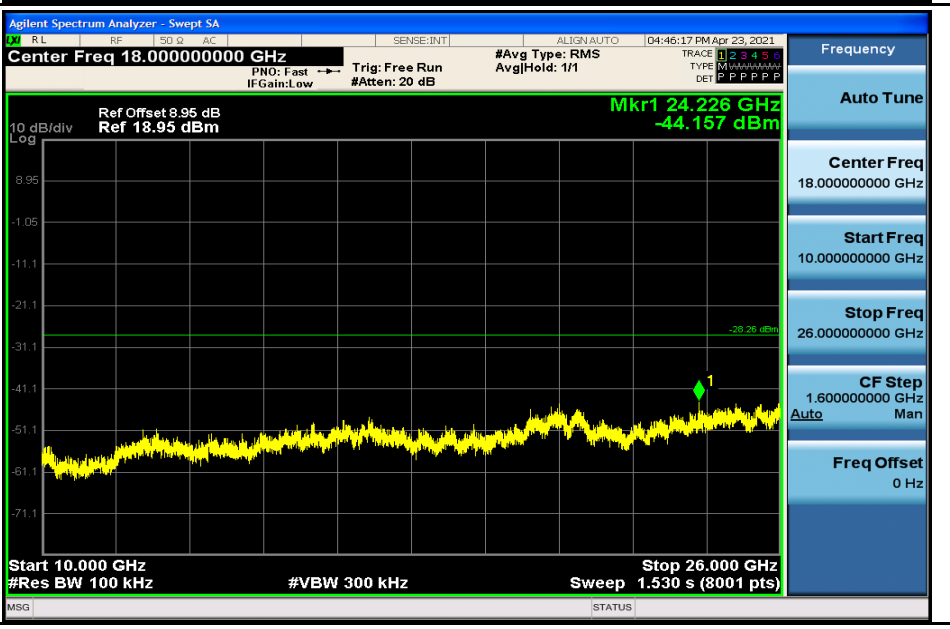
RF Conducted Spurious Emissions_11B_2437



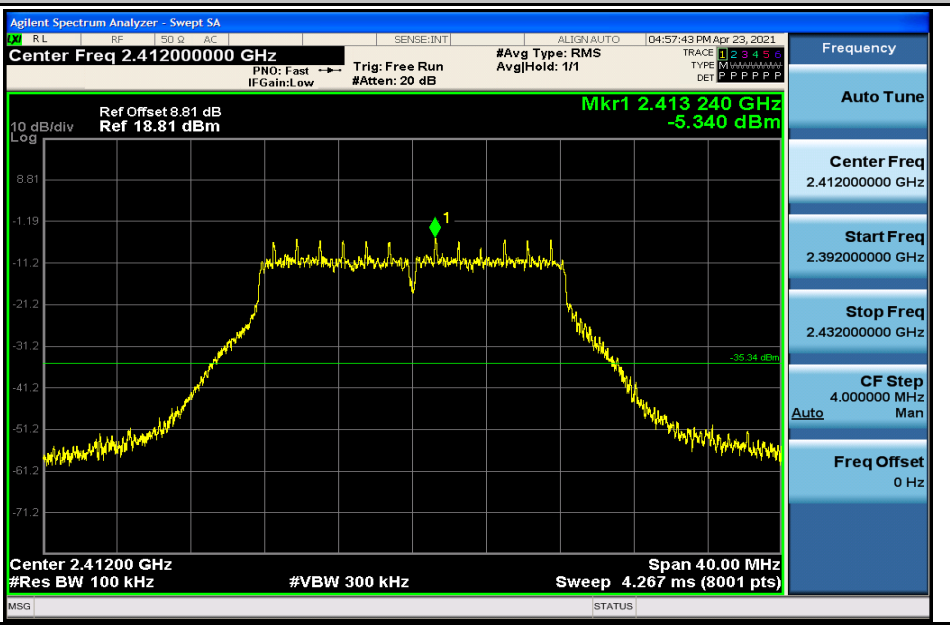


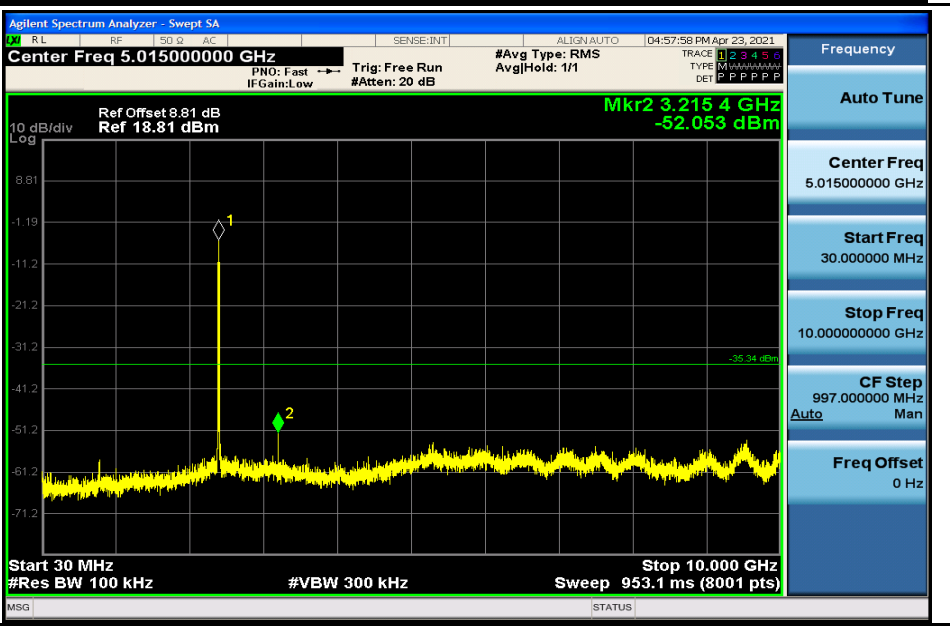
RF Conducted Spurious Emissions_11B_2462

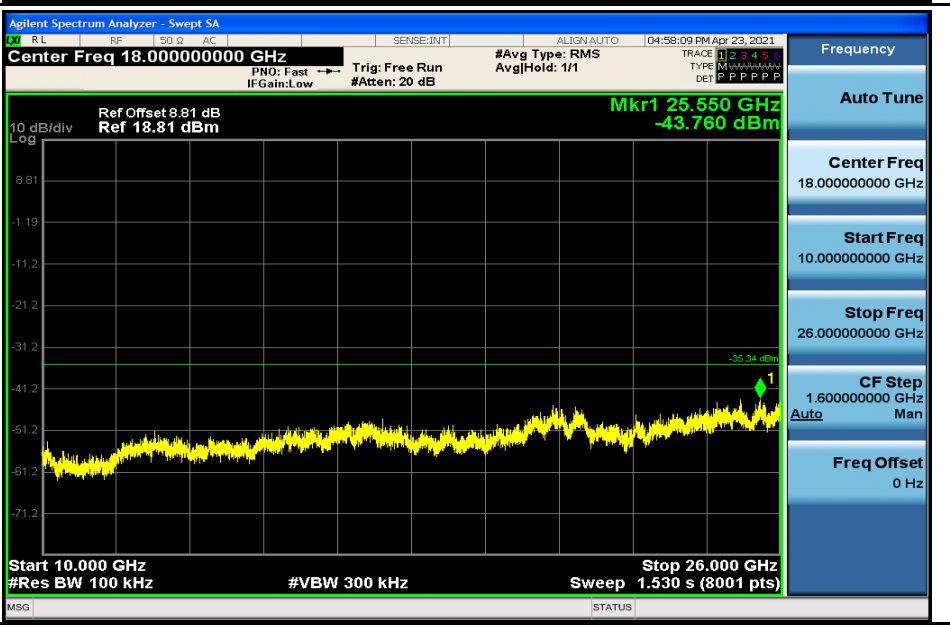




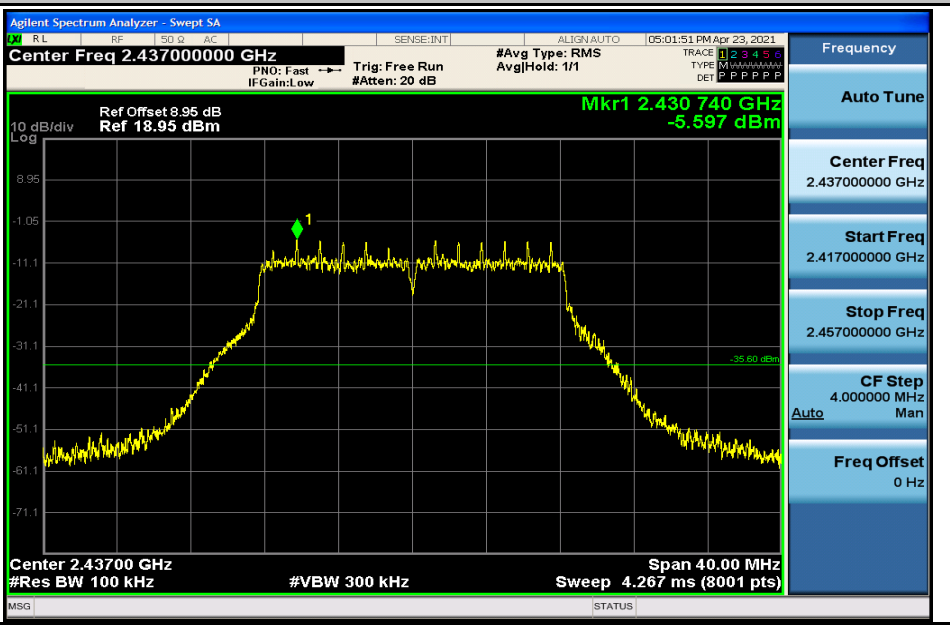
RF Conducted Spurious Emissions_11G_2412

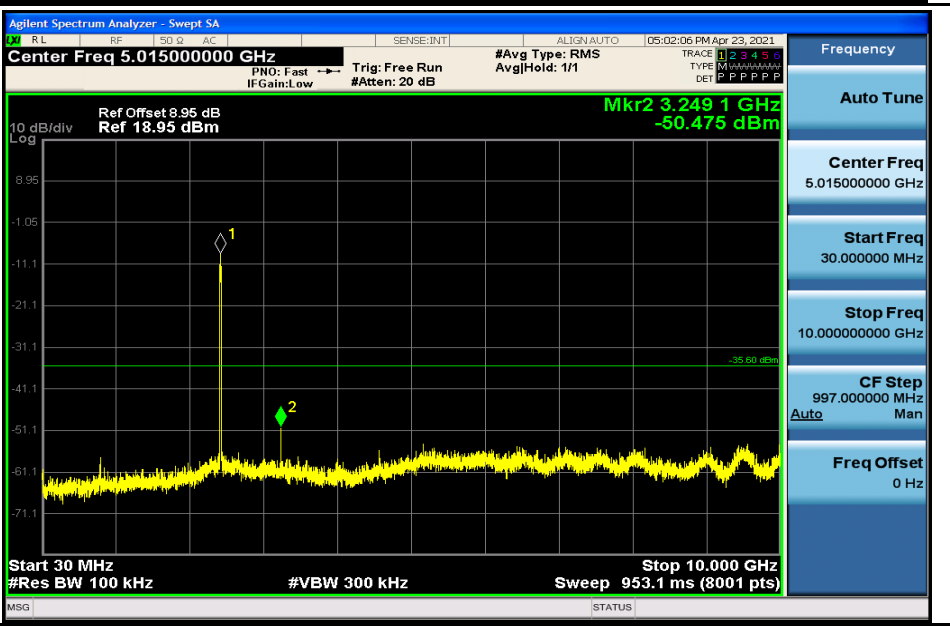


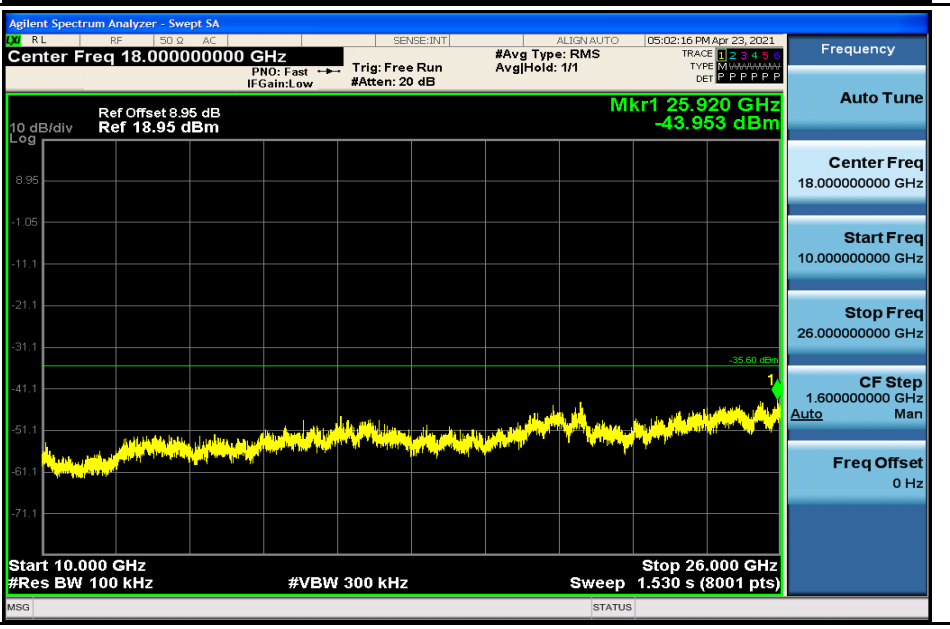




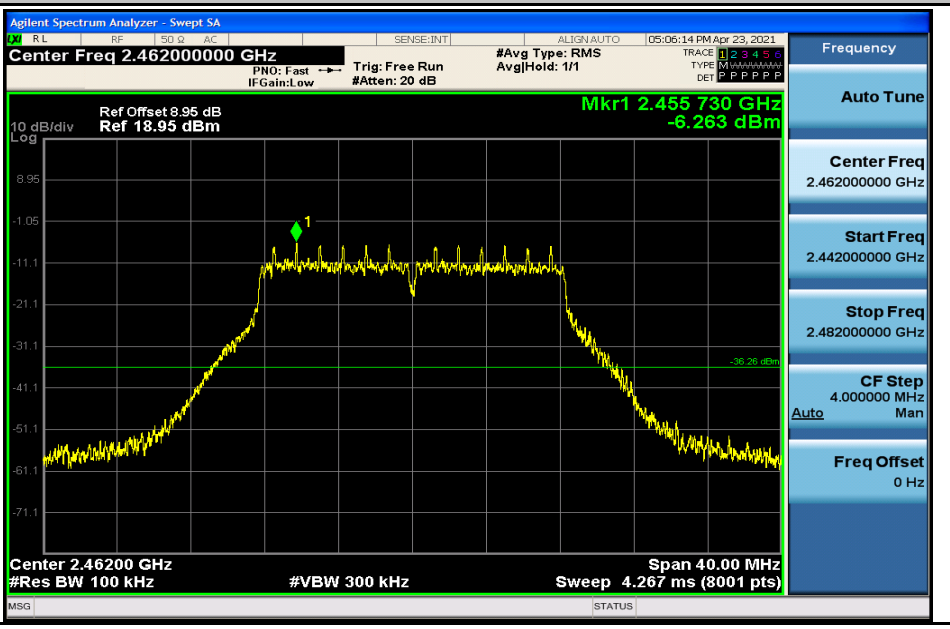
RF Conducted Spurious Emissions_11G_2437

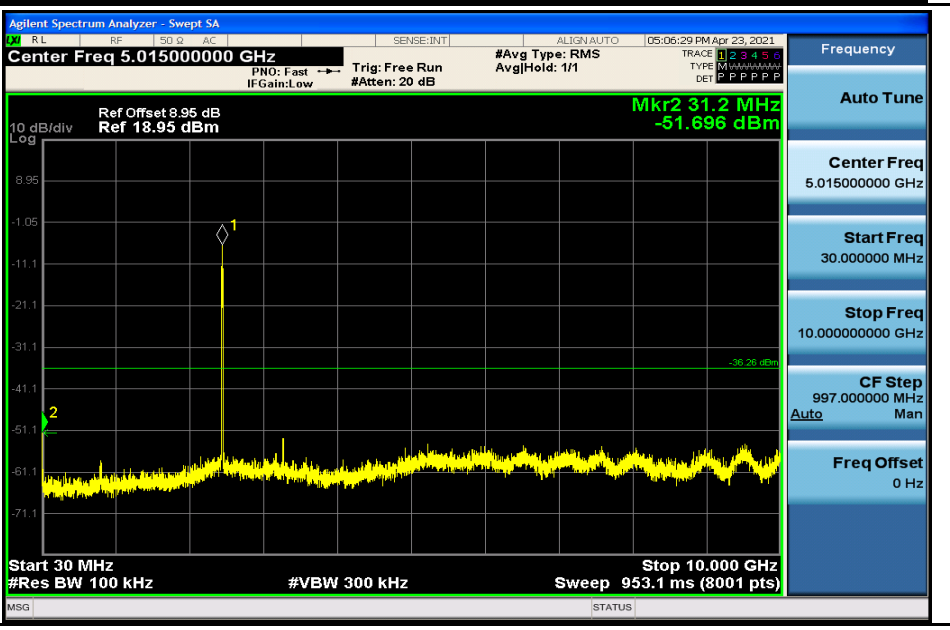


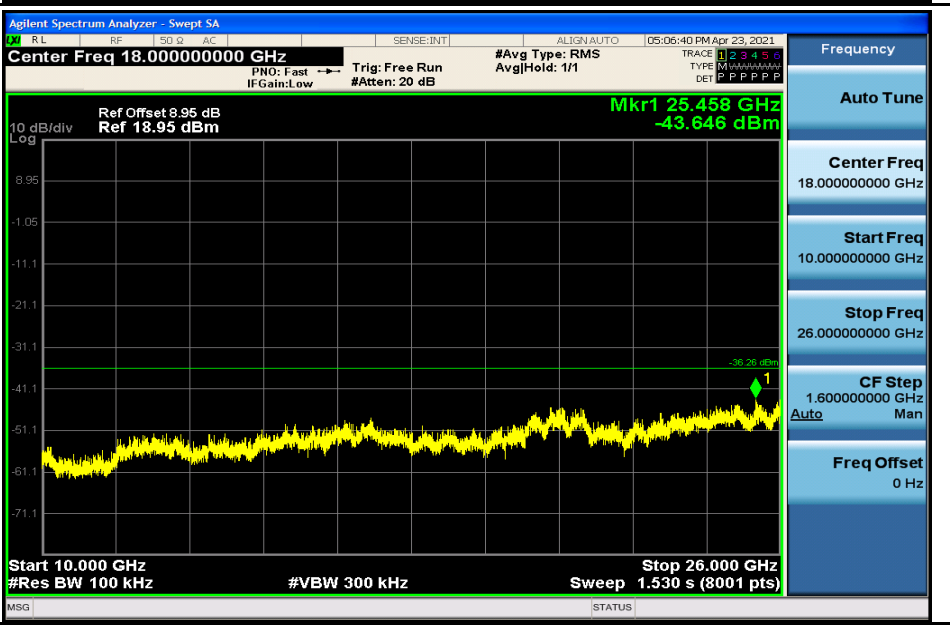




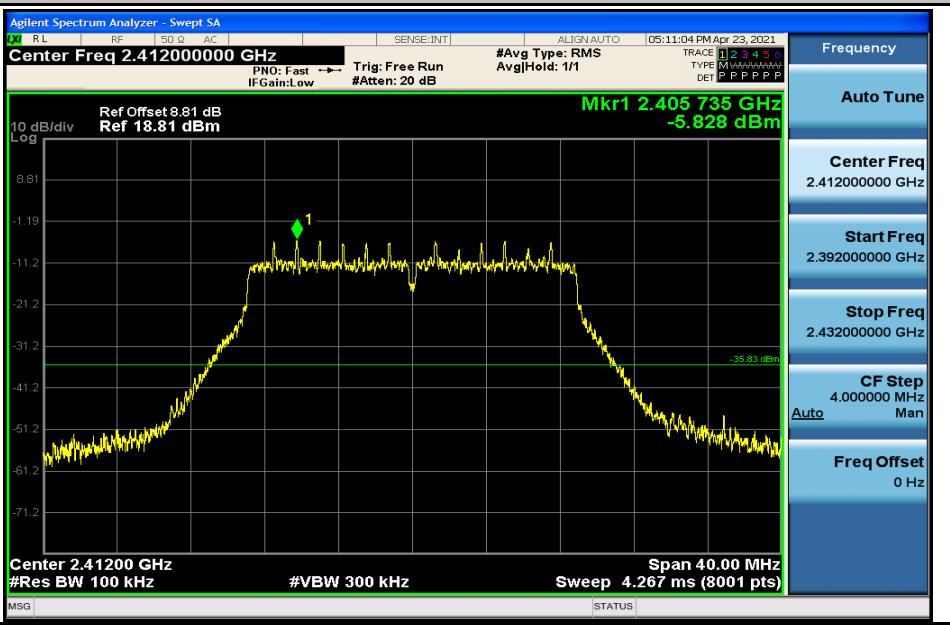
RF Conducted Spurious Emissions_11G_2462

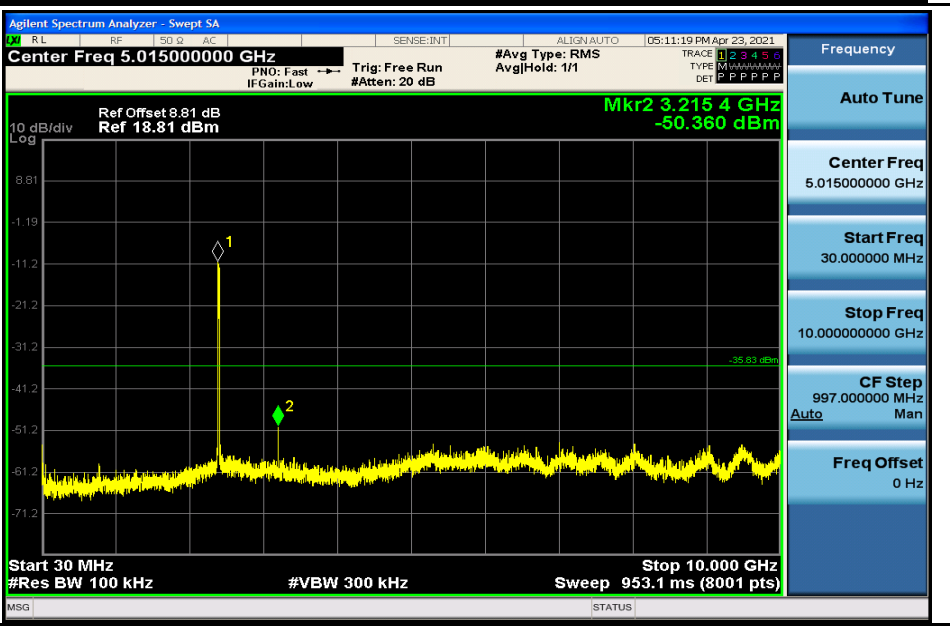


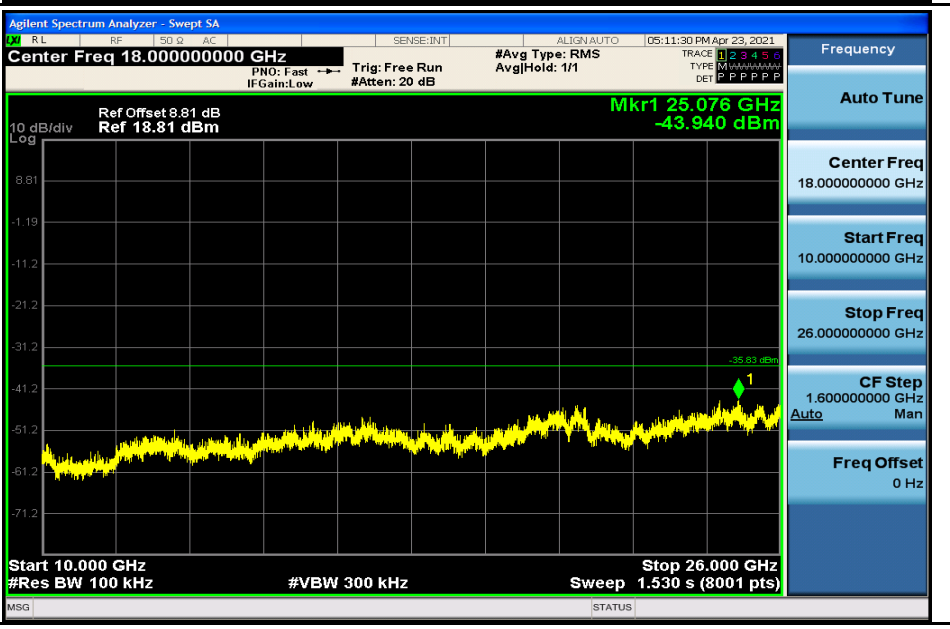




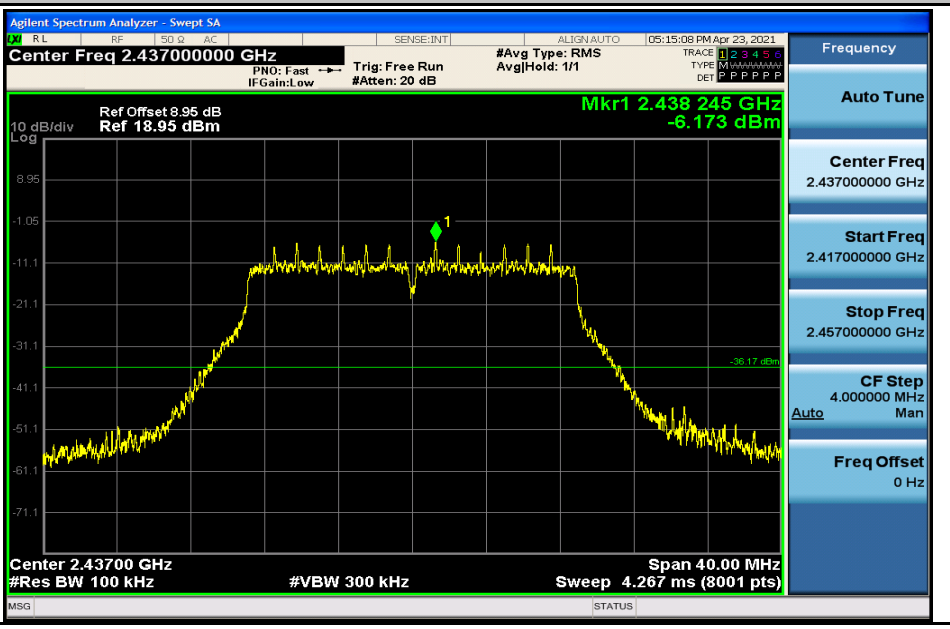
RF Conducted Spurious Emissions_11N20SISO_2412

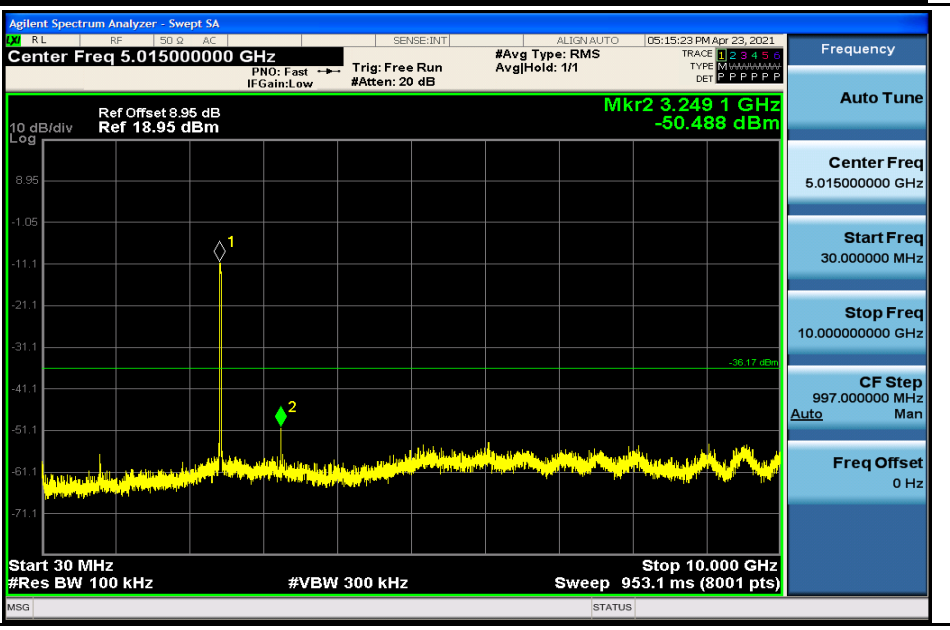


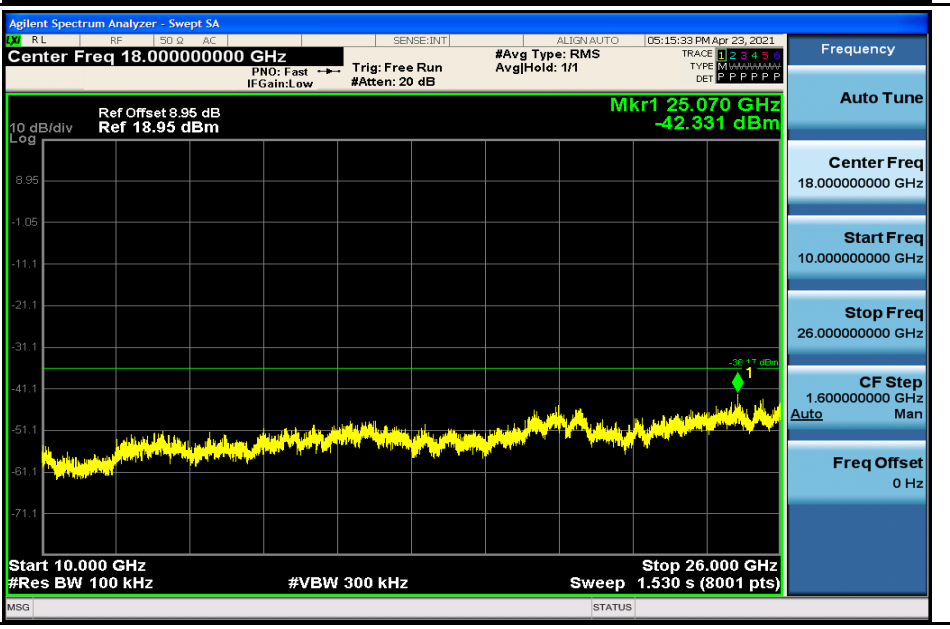




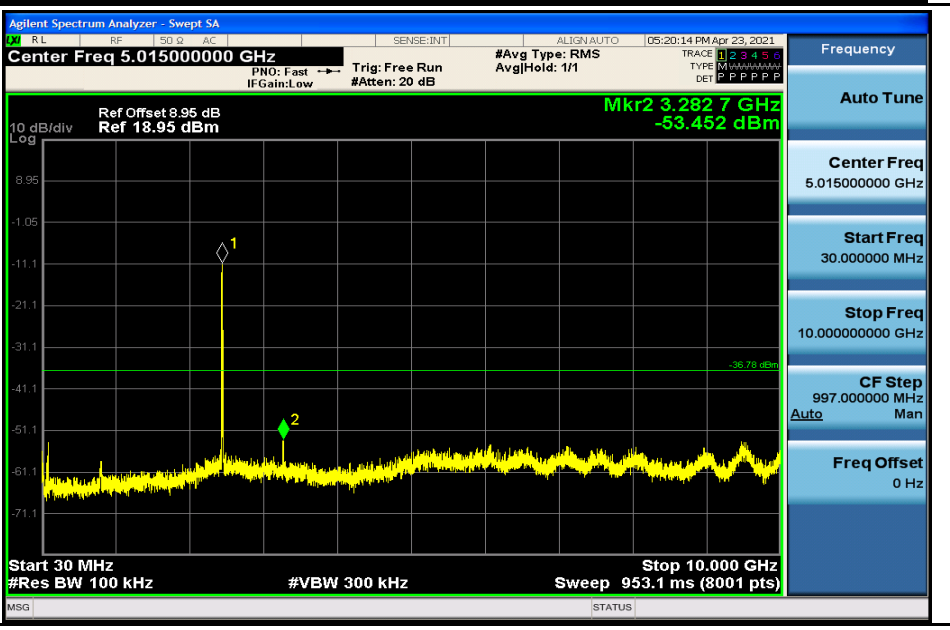
RF Conducted Spurious Emissions_11N20SISO_2437

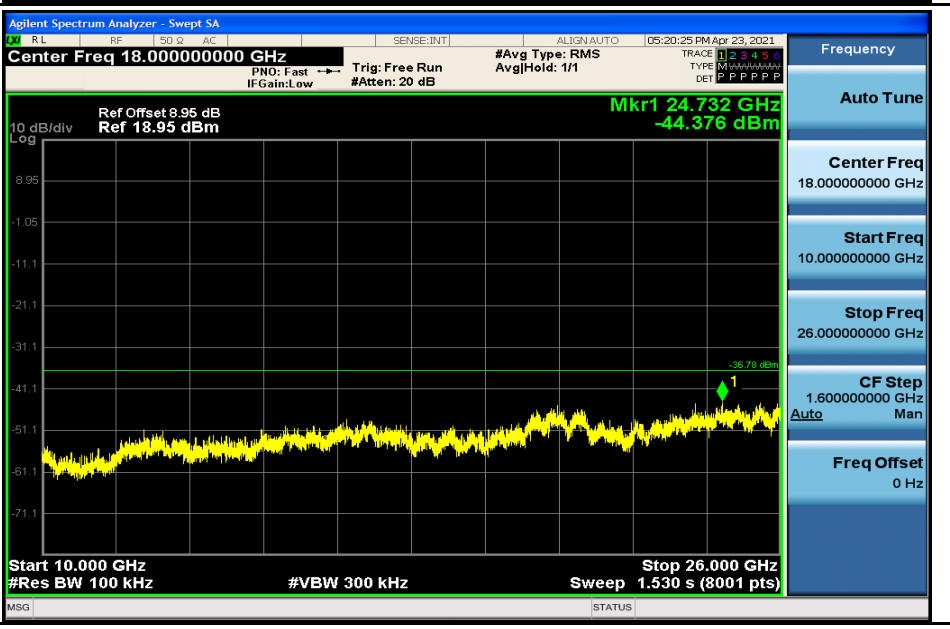




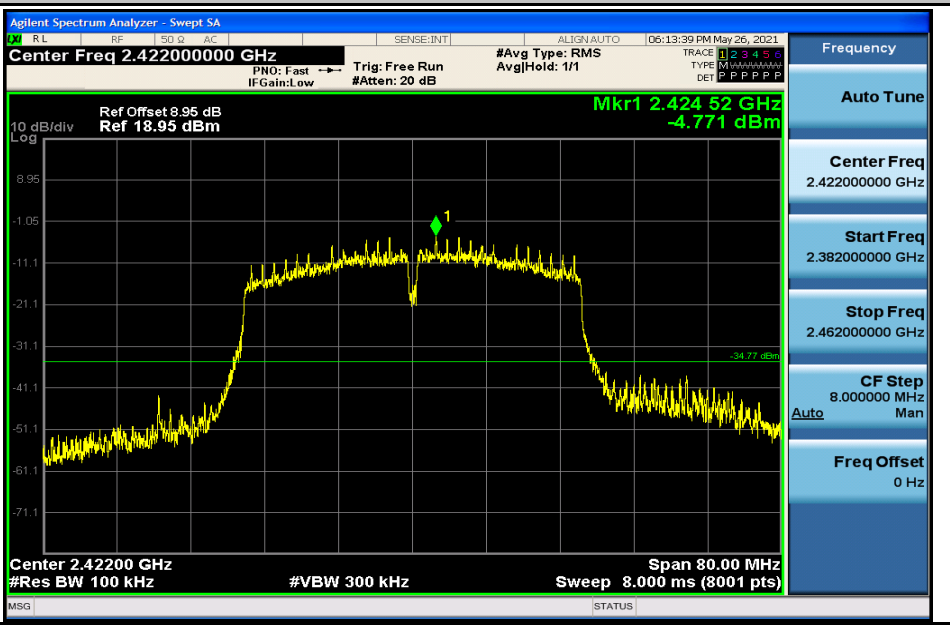


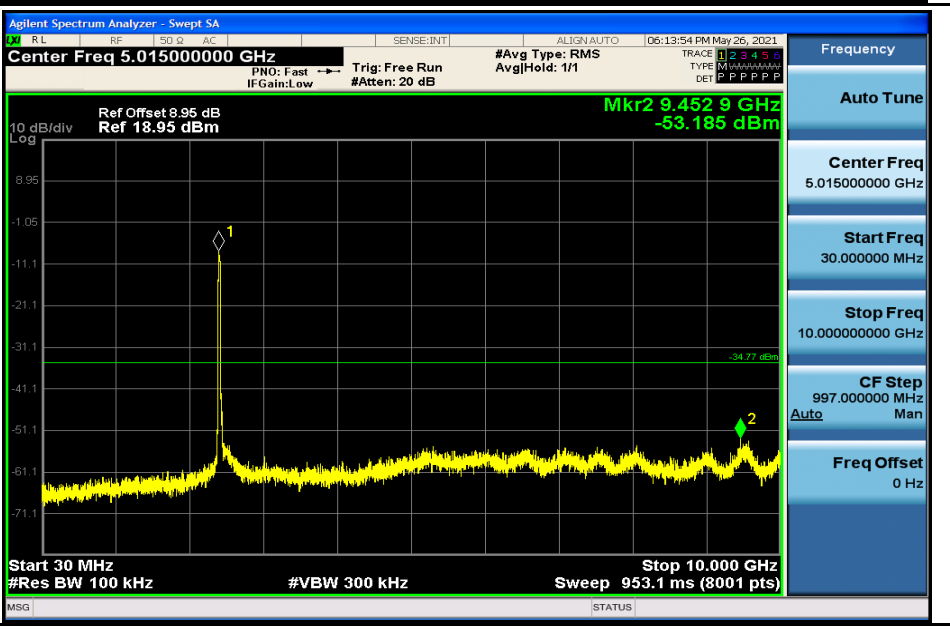
RF Conducted Spurious Emissions_11N20SISO_2462

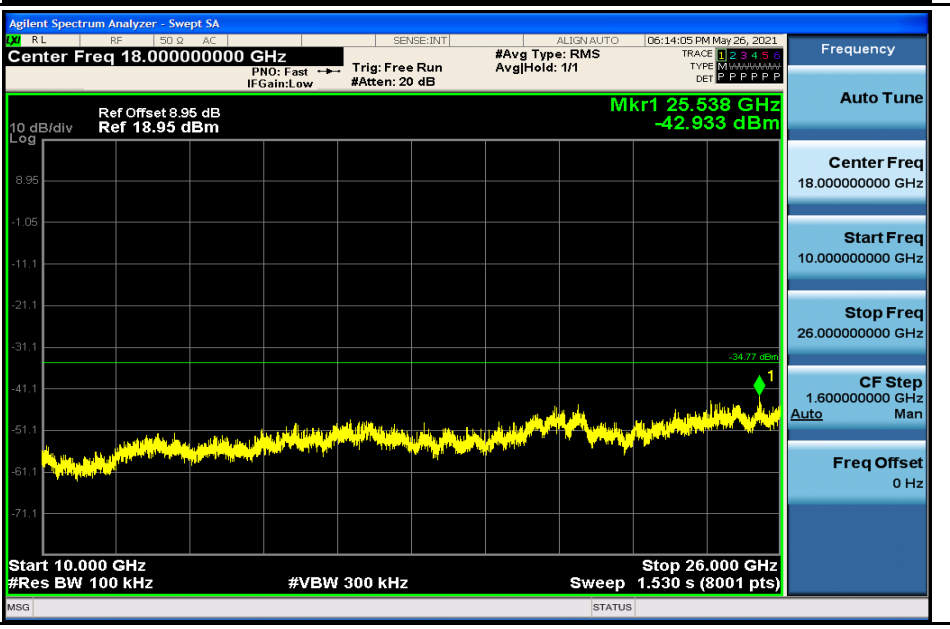




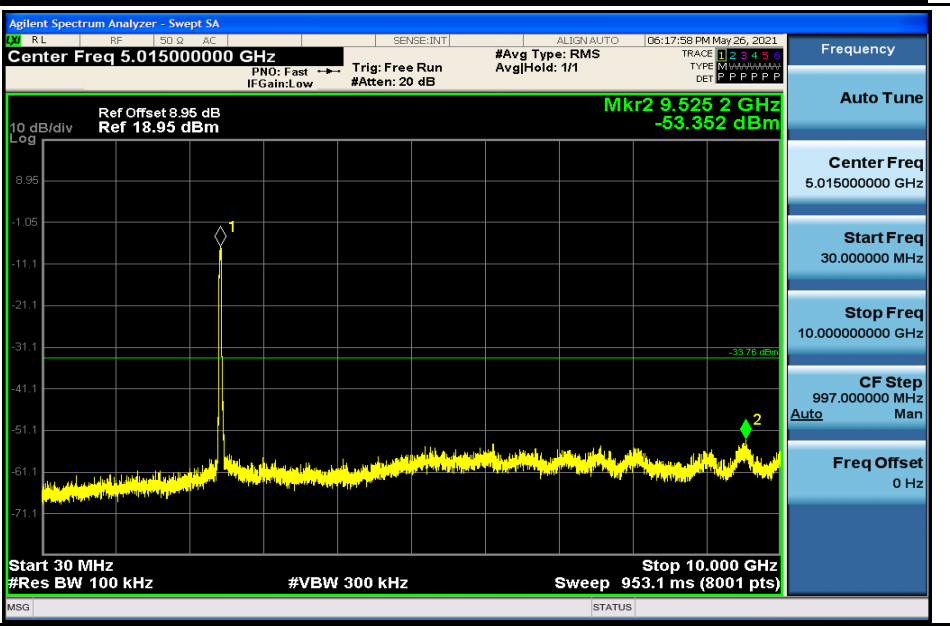
RF Conducted Spurious Emissions_11N40SISO_2422

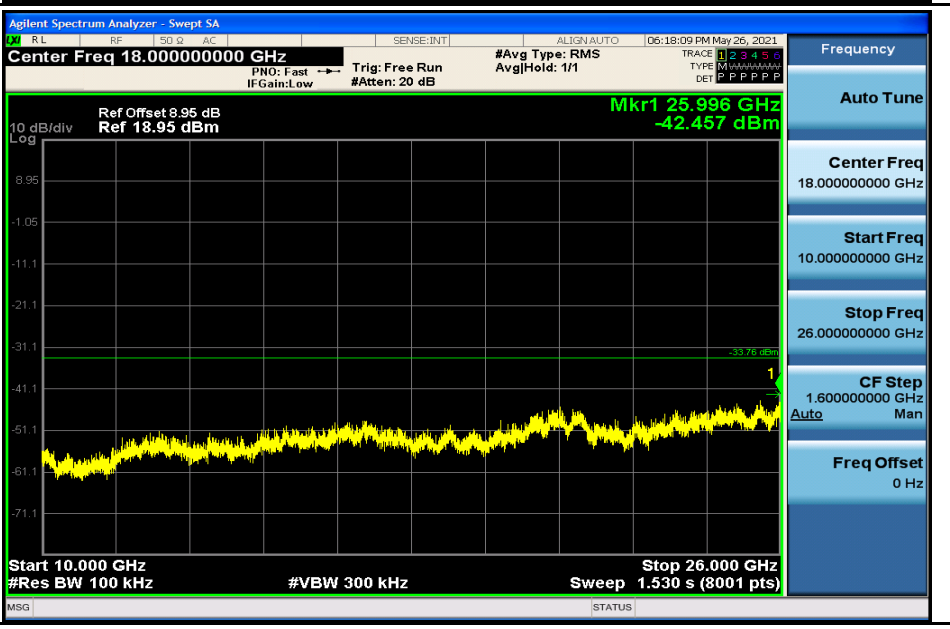




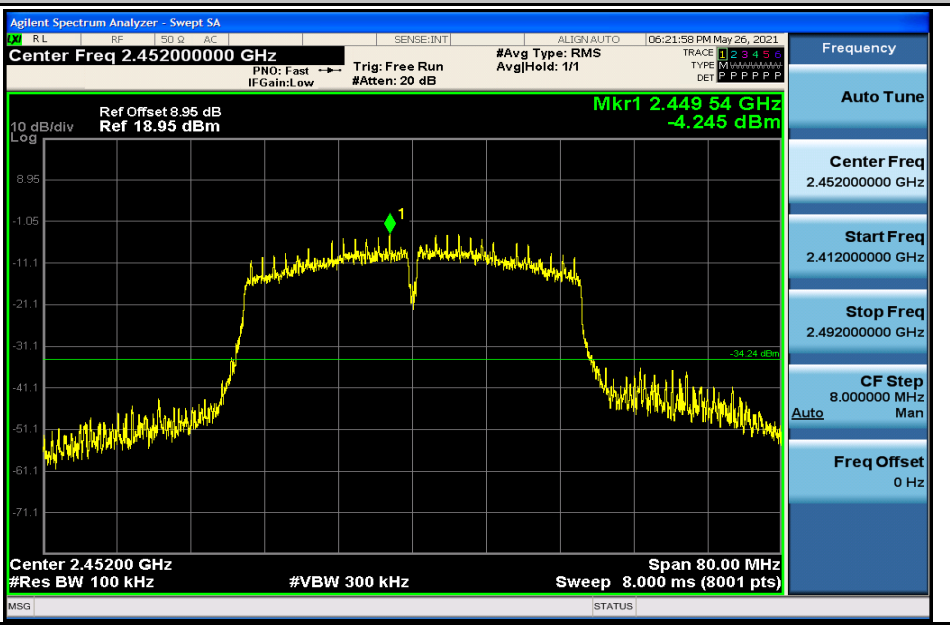


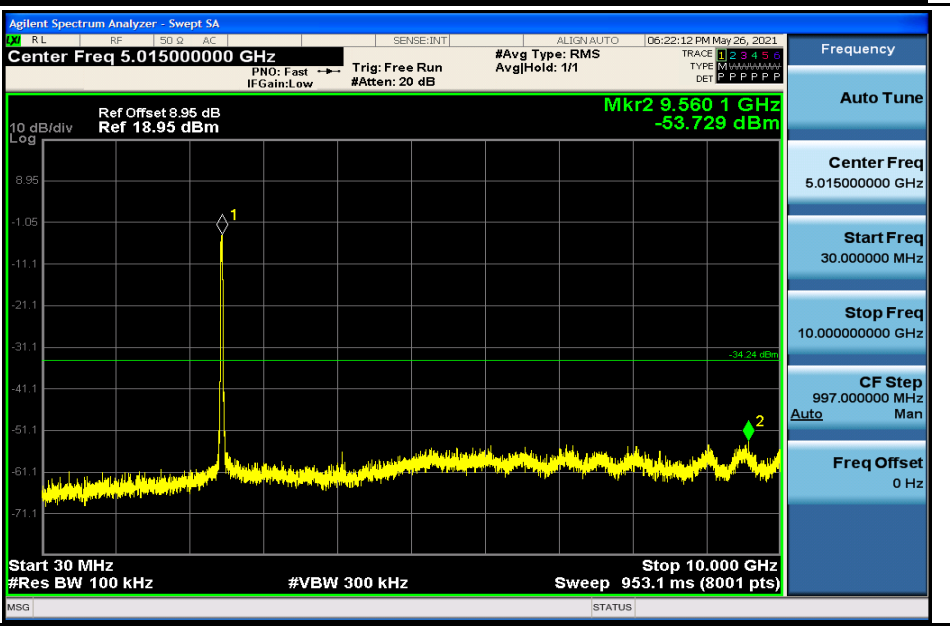
RF Conducted Spurious Emissions_11N40SISO_2437

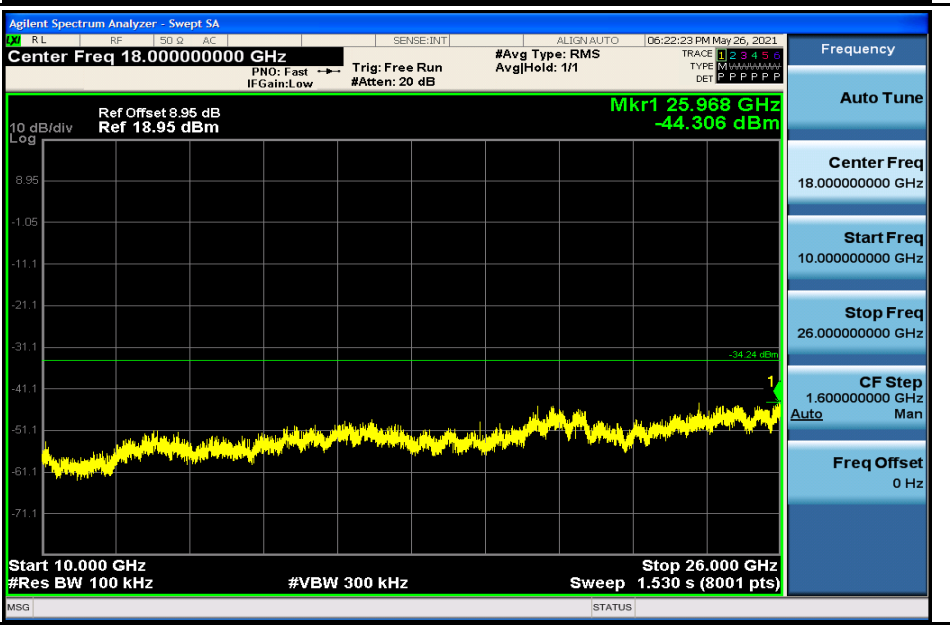




RF Conducted Spurious Emissions_11N40SISO_2452



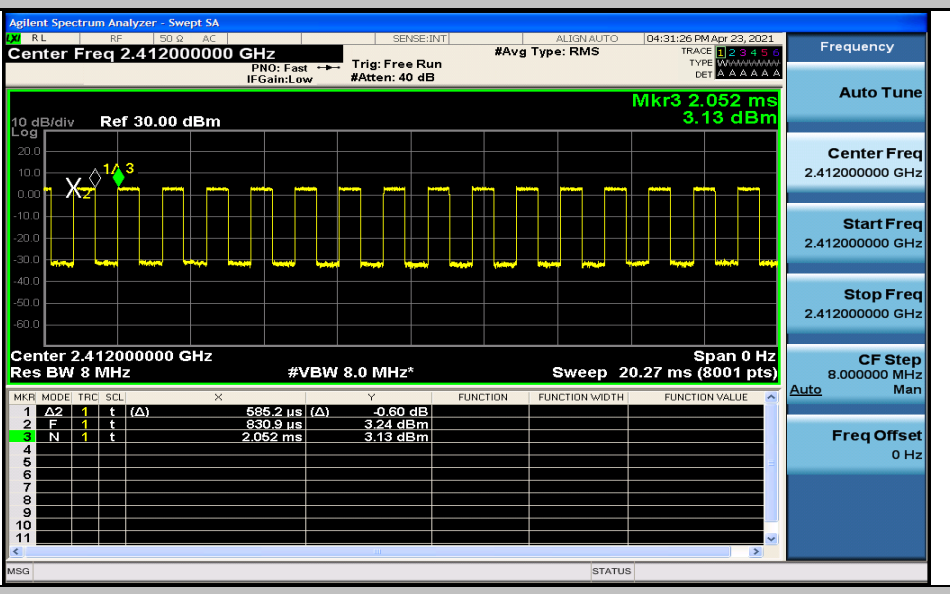




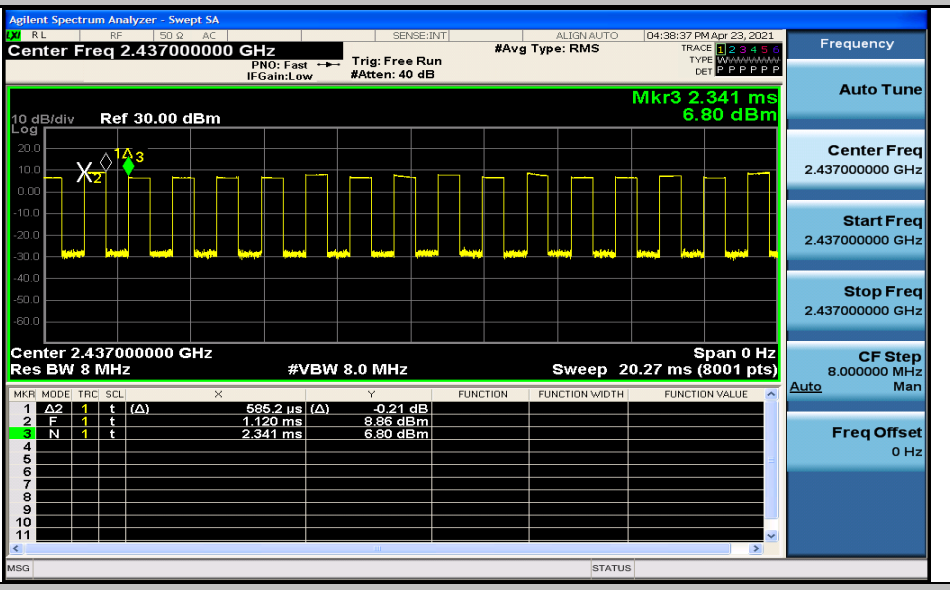
7.Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	47.93	3.19
11B	2437	Ant1	47.93	3.19
11B	2462	Ant1	48.13	3.18
11G	2412	Ant1	47.92	3.19
11G	2437	Ant1	47.92	3.19
11G	2462	Ant1	47.81	3.20
11N20SISO	2412	Ant1	46.71	3.31
11N20SISO	2437	Ant1	46.71	3.31
11N20SISO	2462	Ant1	46.81	3.30
11N40SISO	2422	Ant1	97.68	0.10
11N40SISO	2437	Ant1	98.07	0.08
11N40SISO	2452	Ant1	97.68	0.10

Duty Cycle_11B_2412_Ant1



Duty Cycle_11B_2437_Ant1



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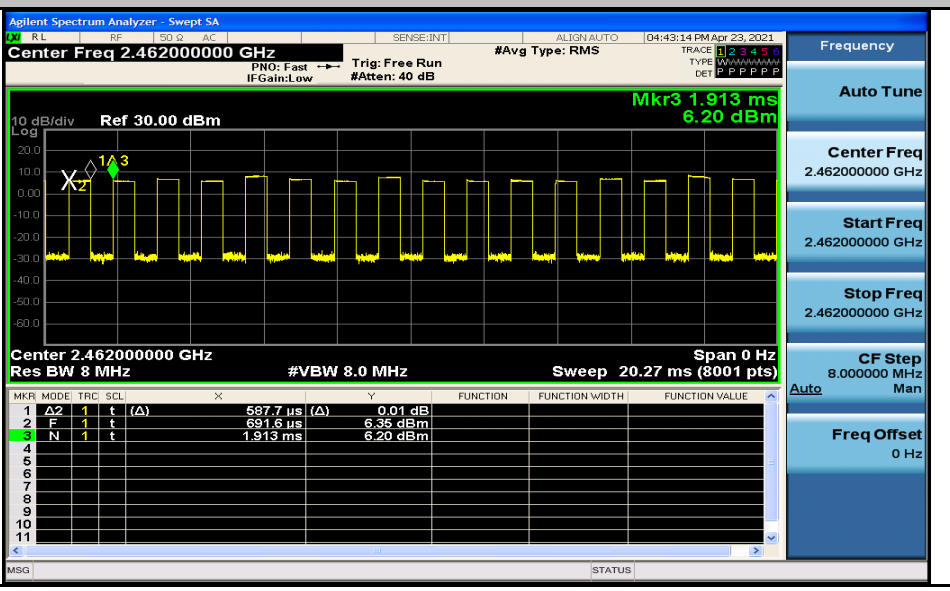

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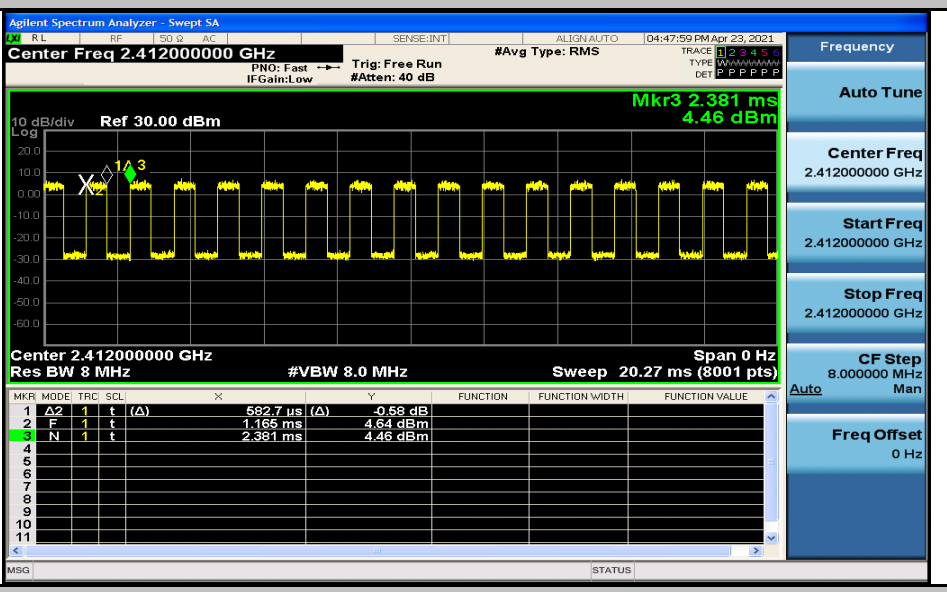

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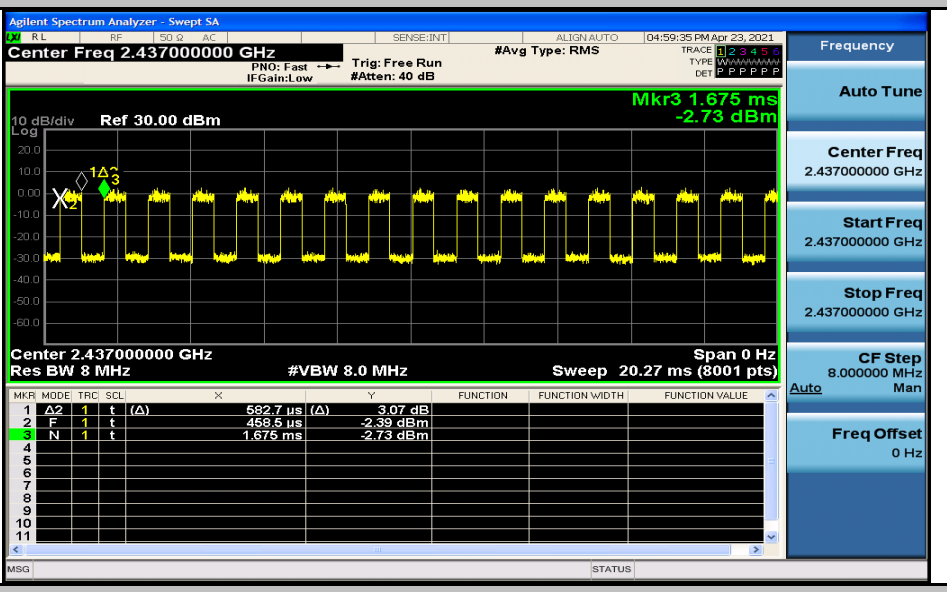

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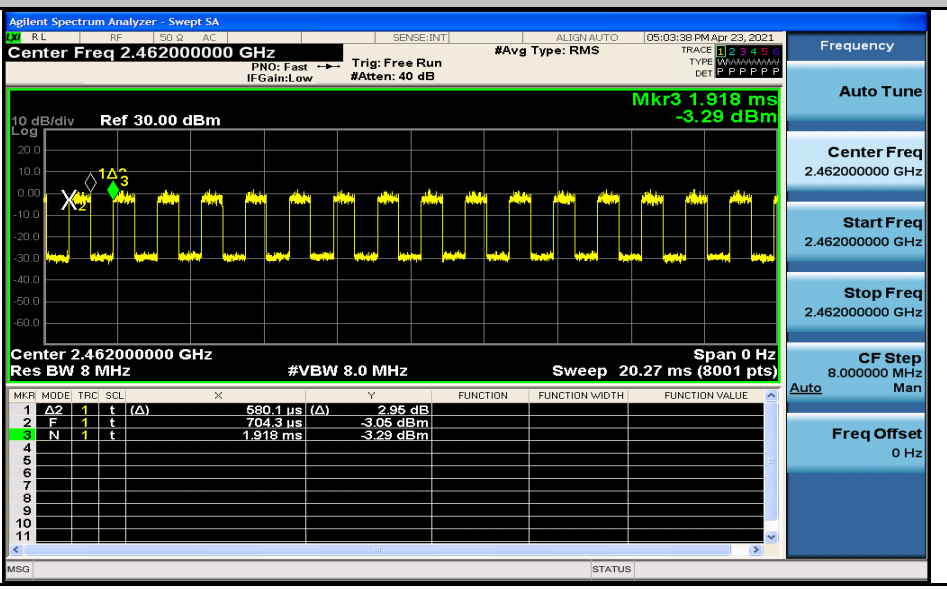
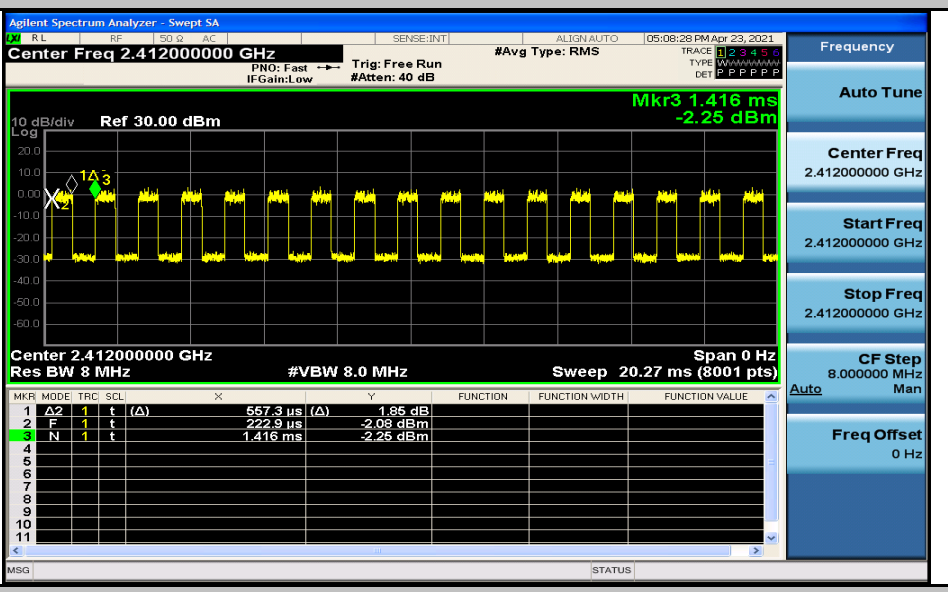


Duty Cycle_11N20SISO_2412_Ant1



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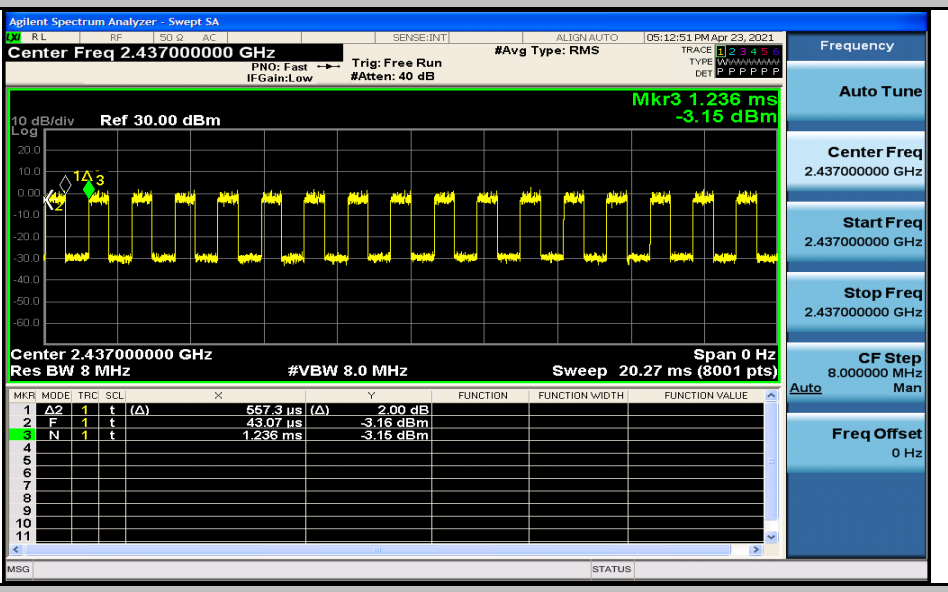
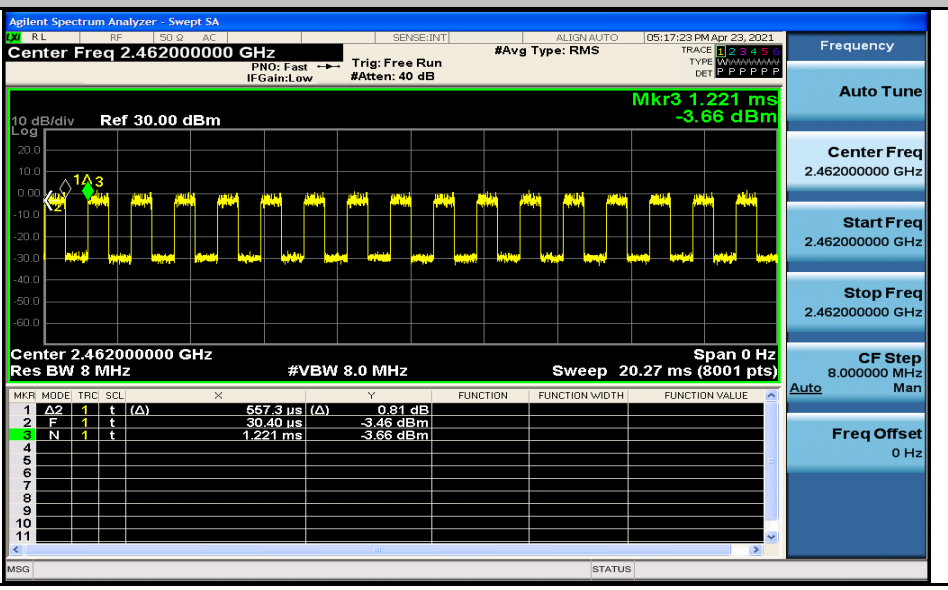


Duty Cycle_11N20SISO_2462_Ant1



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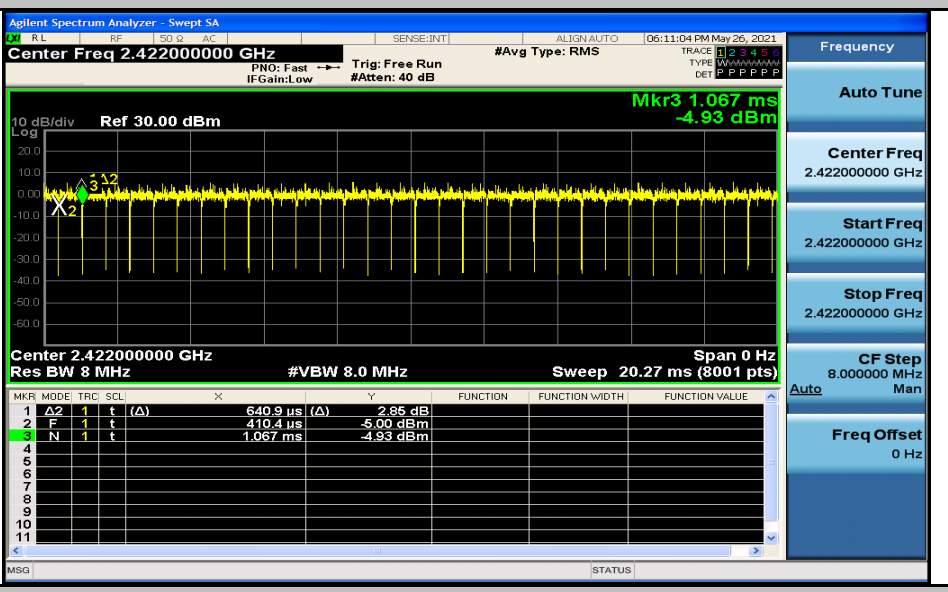
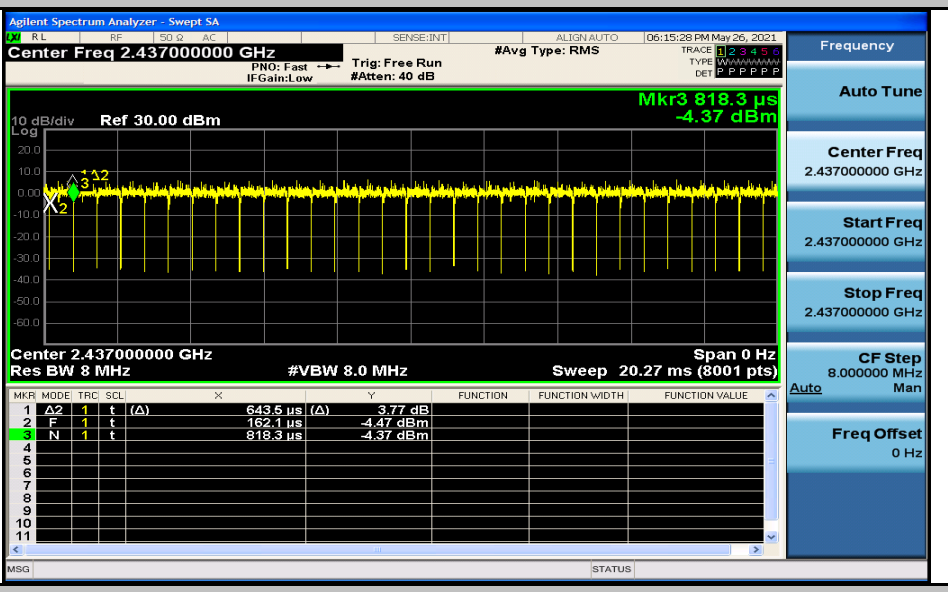
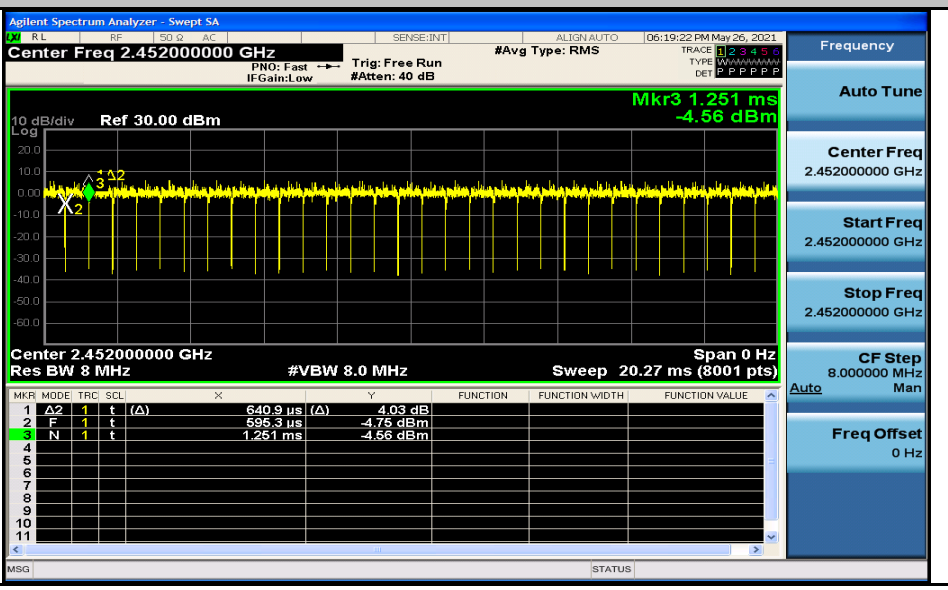


Duty Cycle_11N40SISO_2437_Ant1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