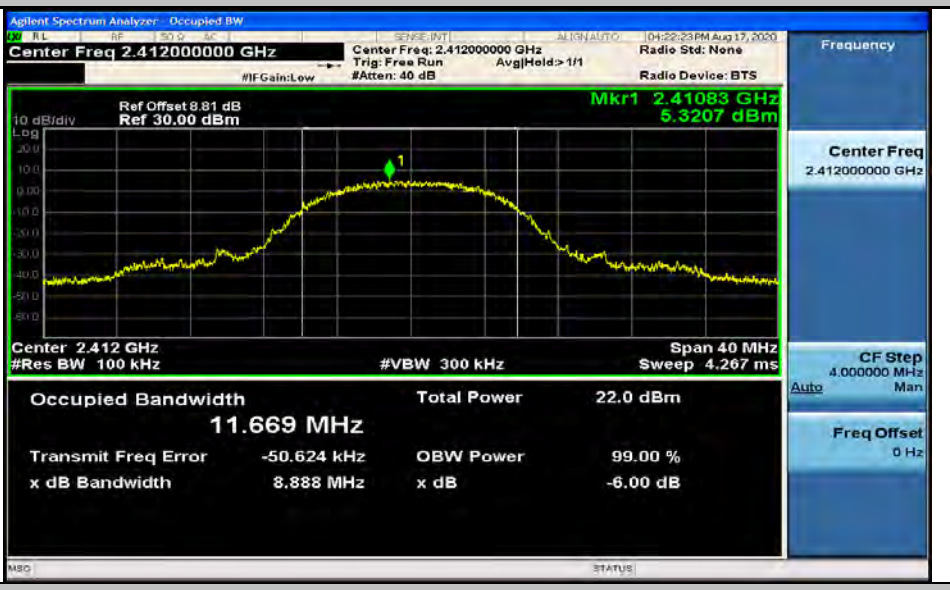
Appendix C for SHEM200700614003

1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	8.89	0.5	PASS
11B	2437	Ant1	9.10	0.5	PASS
11B	2462	Ant1	8.10	0.5	PASS
11G	2412	Ant1	17.58	0.5	PASS
11G	2437	Ant1	17.59	0.5	PASS
11G	2462	Ant1	17.62	0.5	PASS
11N20SISO	2412	Ant1	17.60	0.5	PASS
11N20SISO	2437	Ant1	17.60	0.5	PASS
11N20SISO	2462	Ant1	17.59	0.5	PASS

6dB Bandwidth_11B_2412_Ant1



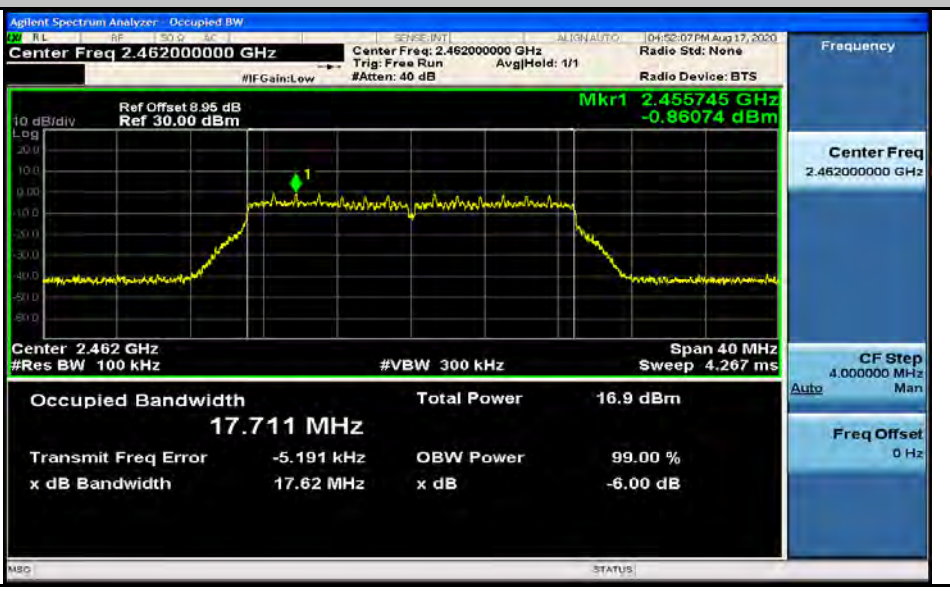
6dB Bandwidth_11B_2437_Ant1

6dB Bandwidth_11B_2462_Ant1

6dB Bandwidth_11G_2412_Ant1

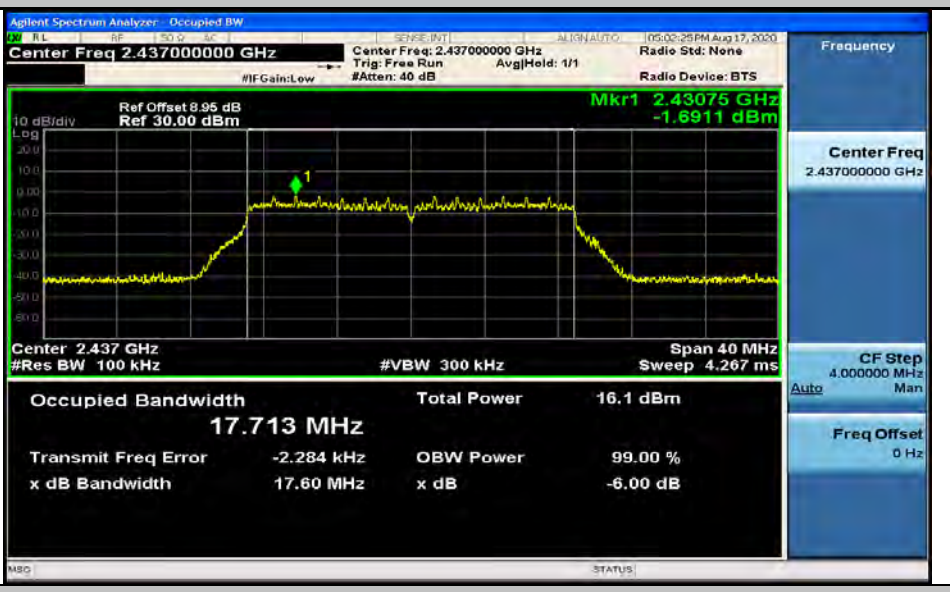
6dB Bandwidth_11G_2437_Ant1

6dB Bandwidth_11G_2462_Ant1

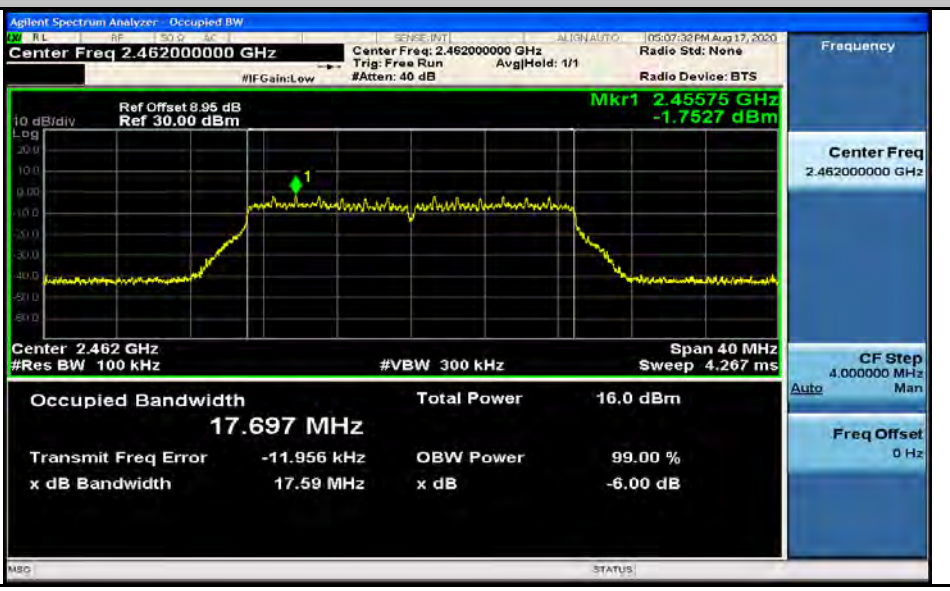


6dB Bandwidth_11N20SISO_2412_Ant1

6dB Bandwidth_11N20SISO_2437_Ant1



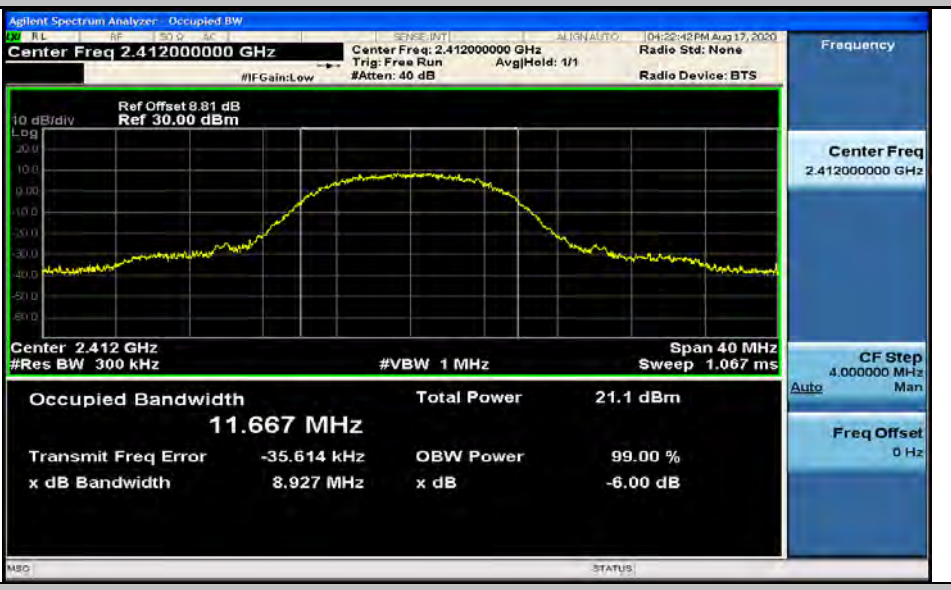
6dB Bandwidth_11N20SISO_2462_Ant1



2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	11.67	---	PASS
11B	2437	Ant1	11.60	---	PASS
11B	2462	Ant1	11.67	---	PASS
11G	2412	Ant1	18.17	---	PASS
11G	2437	Ant1	18.16	---	PASS
11G	2462	Ant1	18.12	---	PASS
11N20SISO	2412	Ant1	18.18	---	PASS
11N20SISO	2437	Ant1	18.18	---	PASS
11N20SISO	2462	Ant1	18.14	---	PASS

Occupied Bandwidth_11B_2412



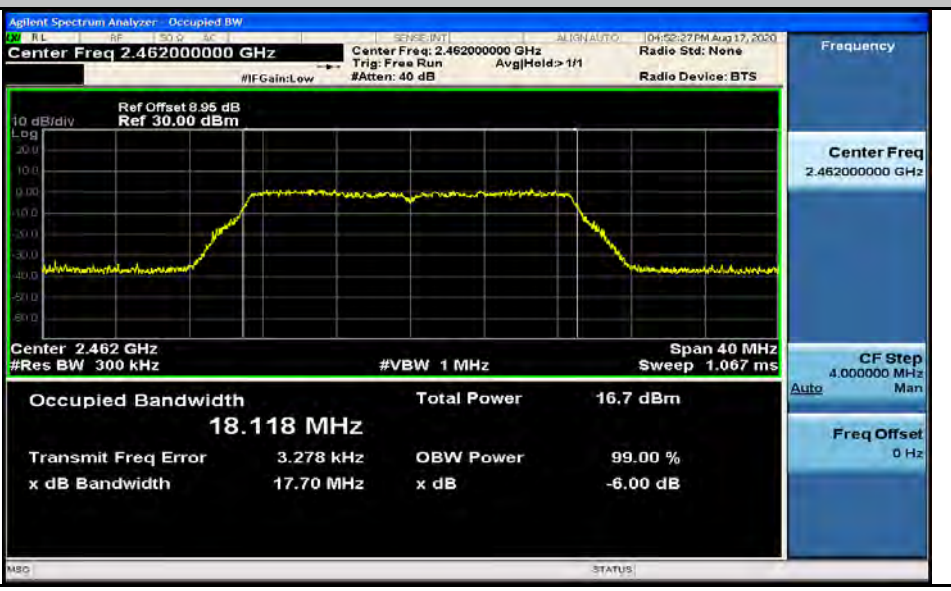
Occupied Bandwidth_11B_2437

Occupied Bandwidth_11B_2462

Occupied Bandwidth_11G_2412

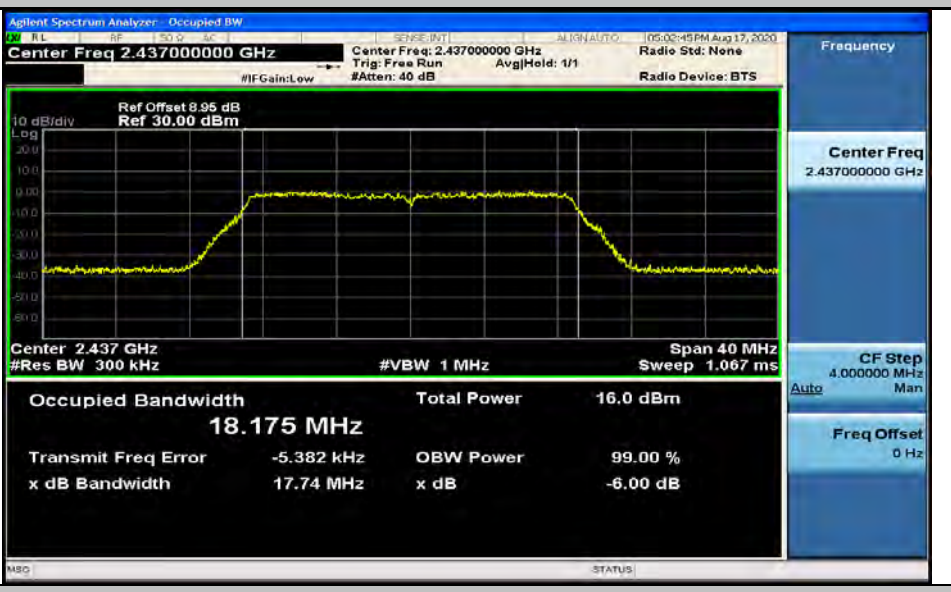
Occupied Bandwidth_11G_2437

Occupied Bandwidth_11G_2462



Occupied Bandwidth_11N20SISO_2412

Occupied Bandwidth_11N20SISO_2437



Occupied Bandwidth_11N20SISO_2462

3.Maximum conducted (average) output power

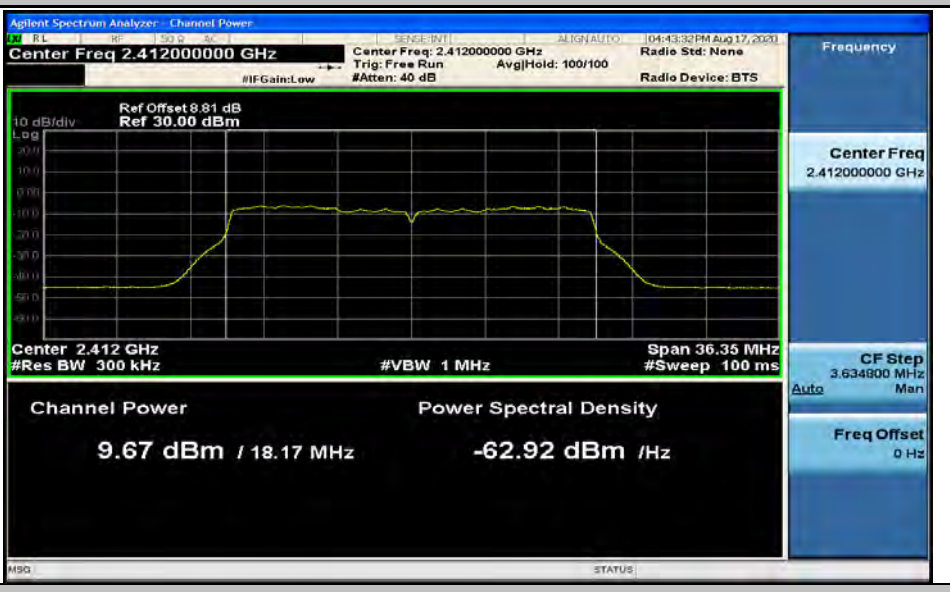
Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	13.96	0.62	14.58	30	PASS
11B	2437	Ant1	13.64	0.62	14.26	30	PASS
11B	2462	Ant1	13.53	0.56	14.09	30	PASS
11G	2412	Ant1	9.67	0.66	10.33	30	PASS
11G	2437	Ant1	9.61	0.66	10.27	30	PASS
11G	2462	Ant1	9.41	0.66	10.07	30	PASS
11N20SISO	2412	Ant1	8.85	0.66	9.51	30	PASS
11N20SISO	2437	Ant1	8.75	0.66	9.41	30	PASS
11N20SISO	2462	Ant1	8.61	0.66	9.27	30	PASS

Maximum conducted (average) output power_11B_2412_Ant1

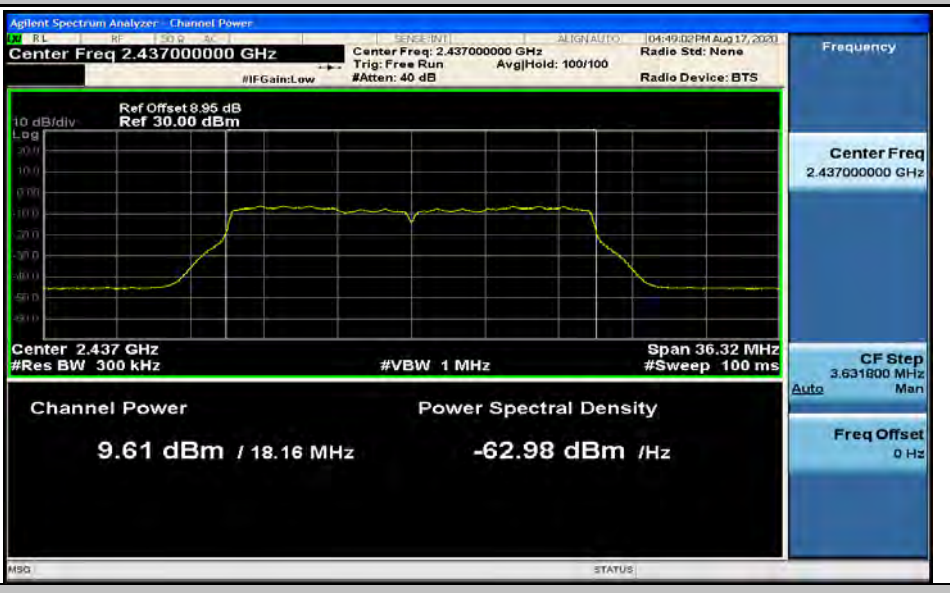
Maximum conducted (average) output power_11B_2437_Ant1

Maximum conducted (average) output power_11B_2462_Ant1

Maximum conducted (average) output power_11G_2412_Ant1



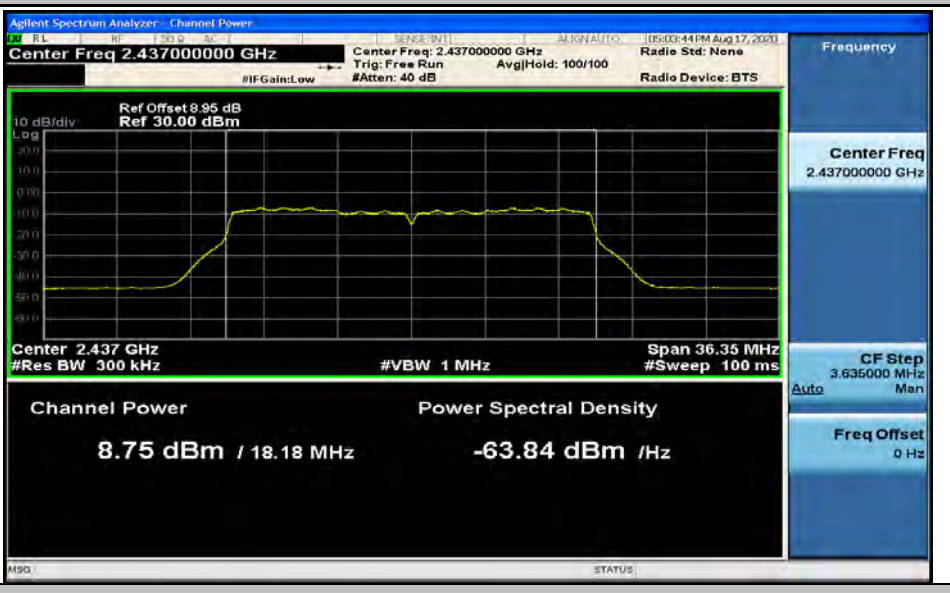
Maximum conducted (average) output power_11G_2437_Ant1



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

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	-15.04	0.62	-14.42	8.00	PASS
11B	2437	Ant1	-14.67	0.62	-14.05	8.00	PASS
11B	2462	Ant1	-15.51	0.56	-14.95	8.00	PASS
11G	2412	Ant1	-21.89	0.72	-21.17	8.00	PASS
11G	2437	Ant1	-21.92	0.66	-21.26	8.00	PASS
11G	2462	Ant1	-22.27	0.71	-21.56	8.00	PASS
11N20SISO	2412	Ant1	-23.17	0.66	-22.51	8.00	PASS
11N20SISO	2437	Ant1	-23.11	0.71	-22.40	8.00	PASS
11N20SISO	2462	Ant1	-22.92	0.66	-22.26	8.00	PASS

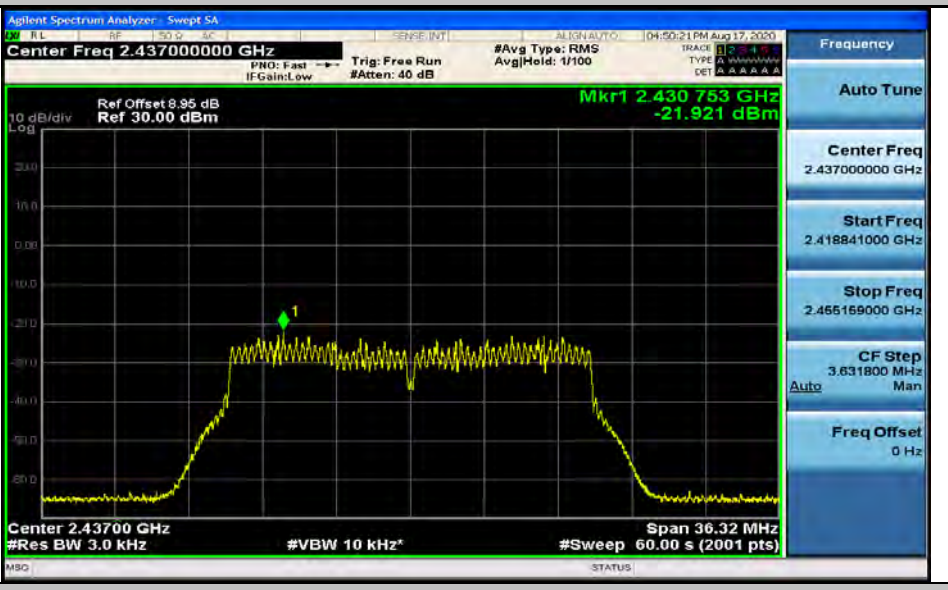
Maximum(average) power spectral density_11B_2412_Ant1

Maximum(average) power spectral density_11B_2437_Ant1

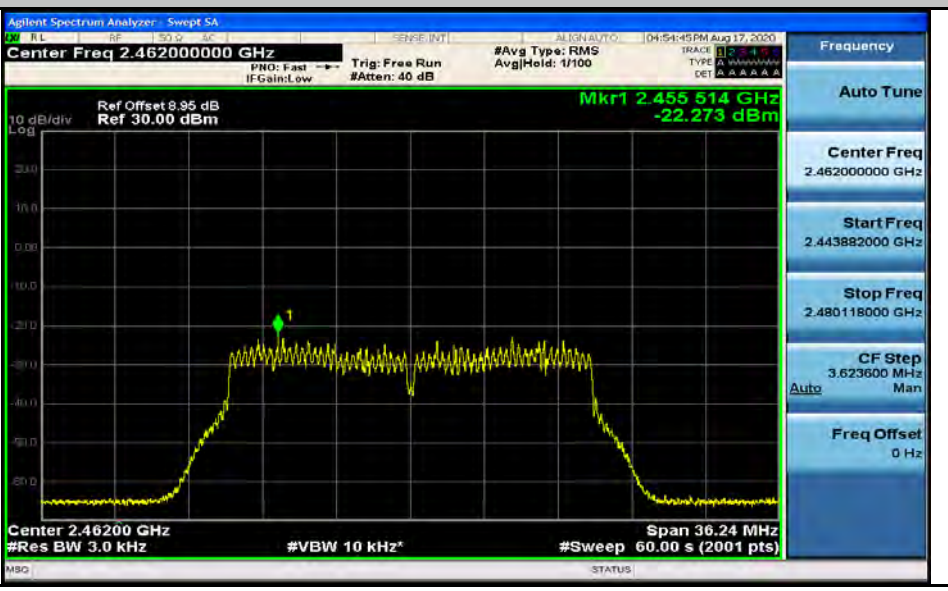
Maximum(average) power spectral density_11B_2462_Ant1

Maximum(average) power spectral density_11G_2412_Ant1

Maximum(average) power spectral density_11G_2437_Ant1



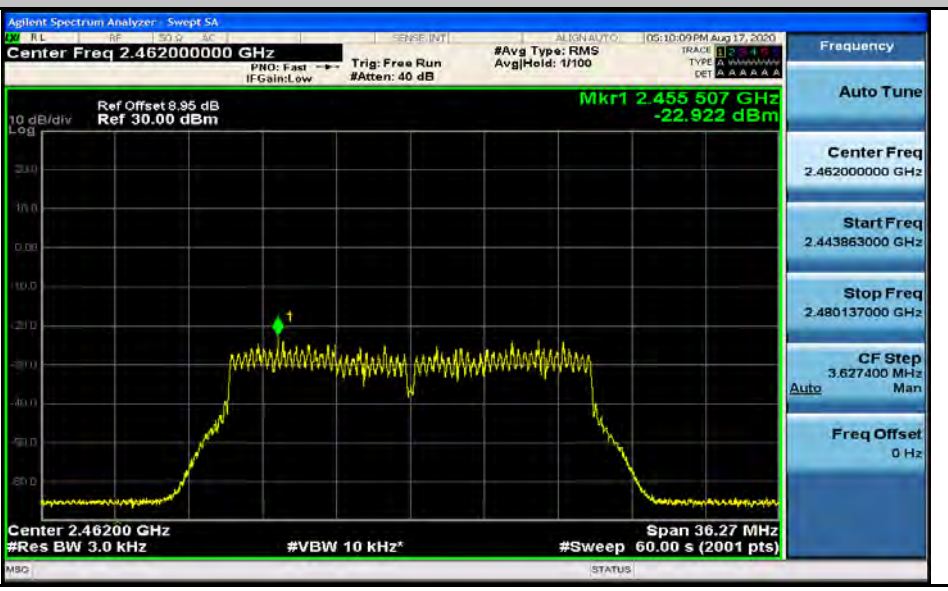
Maximum(average) power spectral density_11G_2462_Ant1



Maximum(average) power spectral density_11N20SISO_2412_Ant1

Maximum(average) power spectral density_11N20SISO_2437_Ant1

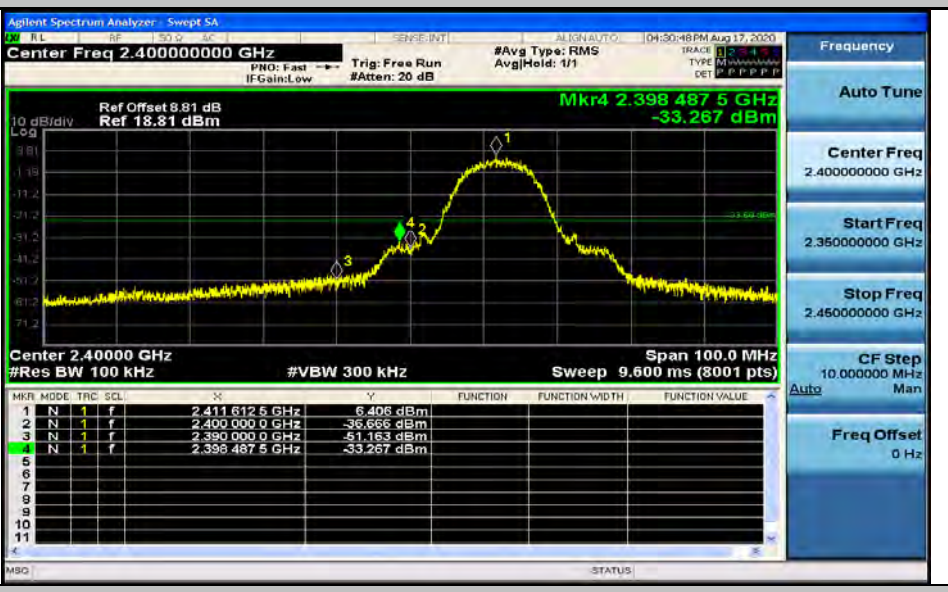
Maximum(average) power spectral density_11N20SISO_2462_Ant1



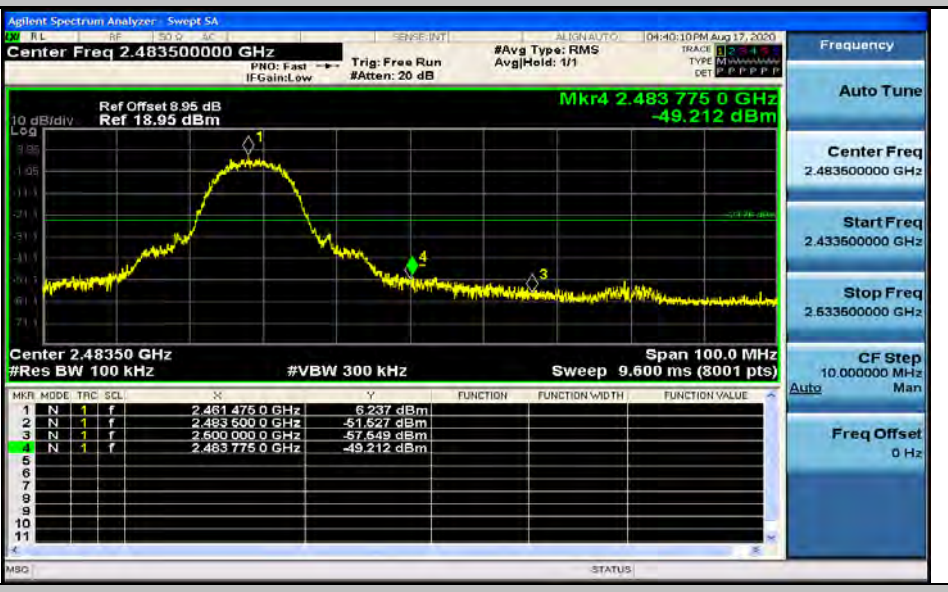
5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	6.41	-33.27	-23.59	PASS
11B	2462	Ant1	6.24	-49.21	-23.76	PASS
11G	2412	Ant1	-0.39	-41.33	-30.39	PASS
11G	2462	Ant1	-0.72	-47.38	-30.72	PASS
11N20SISO	2412	Ant1	-1.39	-41.70	-31.39	PASS
11N20SISO	2462	Ant1	-1.68	-49.45	-31.68	PASS

Band-edge for RF Conducted Emissions_11B_2412_Ant1

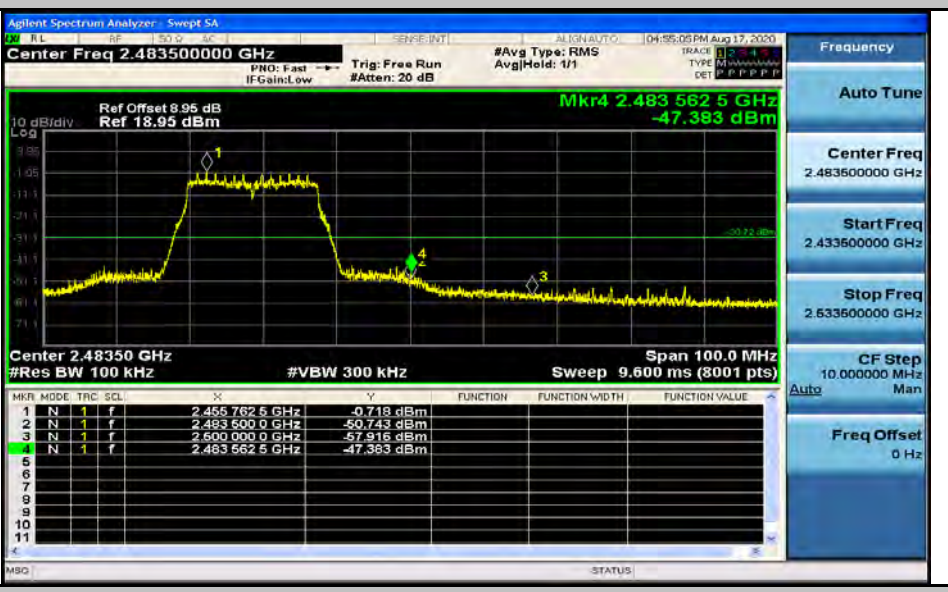


Band-edge for RF Conducted Emissions_11B_2462_Ant1



Band-edge for RF Conducted Emissions_11G_2412_Ant1

Band-edge for RF Conducted Emissions_11G_2462_Ant1



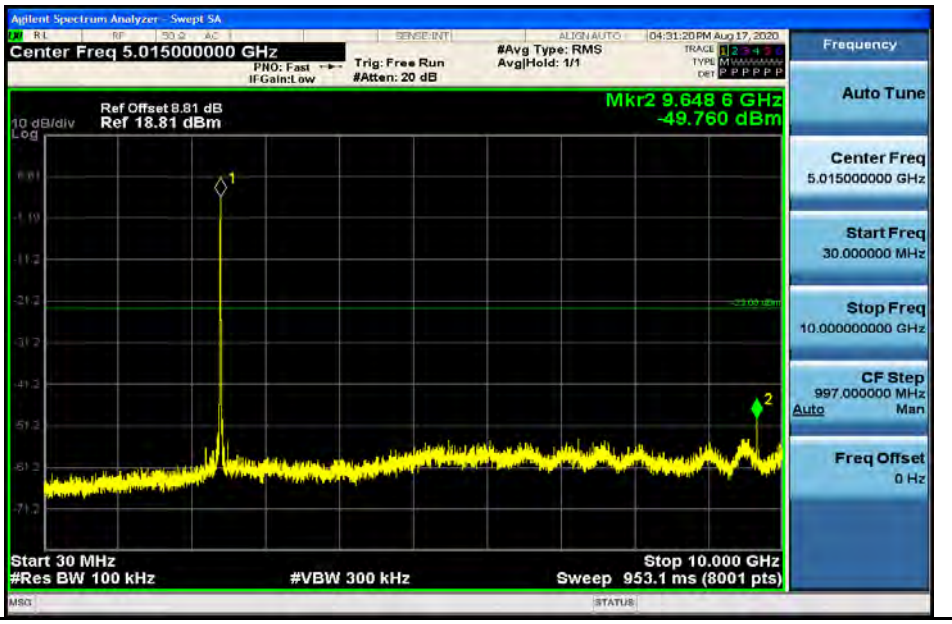
Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1

Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1

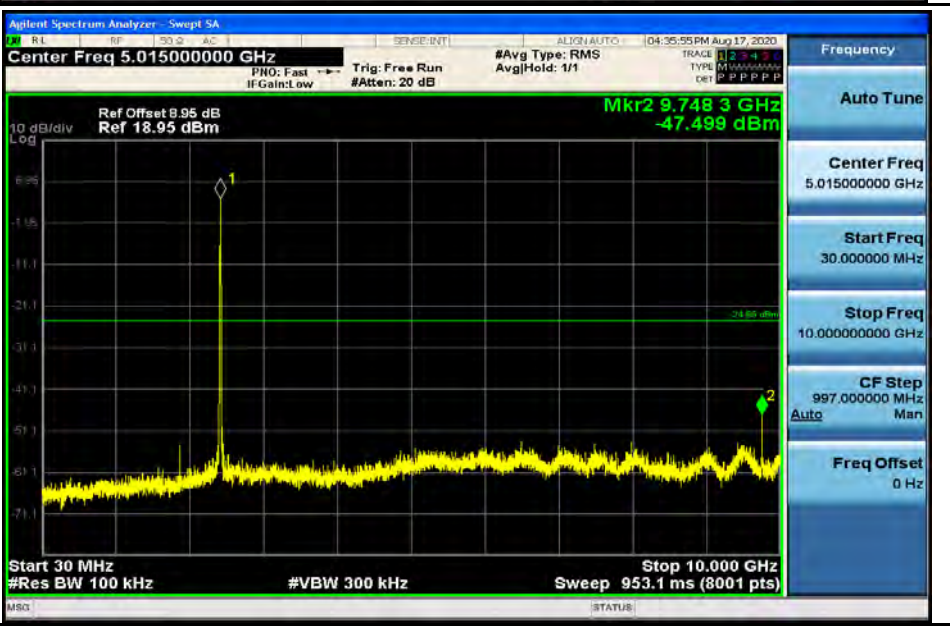
6.RF Conducted Spurious Emissions

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	6.92	-49.76	<-23.08	PASS
11B	2412	Ant1	10000	26000	100	300	6.923	-44.272	<-23.077	PASS
11B	2437	Ant1	30	10000	100	300	5.34	-47.50	<-24.66	PASS
11B	2437	Ant1	10000	26000	100	300	5.342	-44.349	<-24.658	PASS
11B	2462	Ant1	30	10000	100	300	4.63	-48.96	<-25.38	PASS
11B	2462	Ant1	10000	26000	100	300	4.625	-43.552	<-25.375	PASS
11G	2412	Ant1	30	10000	100	300	-0.43	-53.74	<-30.43	PASS
11G	2412	Ant1	10000	26000	100	300	-0.433	-44.078	<-30.433	PASS
11G	2437	Ant1	30	10000	100	300	-0.48	-53.75	<-30.48	PASS
11G	2437	Ant1	10000	26000	100	300	-0.483	-43.264	<-30.483	PASS
11G	2462	Ant1	30	10000	100	300	-0.78	-54.38	<-30.78	PASS
11G	2462	Ant1	10000	26000	100	300	-0.777	-43.798	<-30.777	PASS
11N20SISO	2412	Ant1	30	10000	100	300	-1.37	-52.77	<-31.37	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	-1.365	-43.559	<-31.365	PASS
11N20SISO	2437	Ant1	30	10000	100	300	-1.56	-52.76	<-31.56	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	-1.559	-44.297	<-31.559	PASS
11N20SISO	2462	Ant1	30	10000	100	300	-1.74	-53.43	<-31.74	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	-1.736	-43.328	<-31.736	PASS

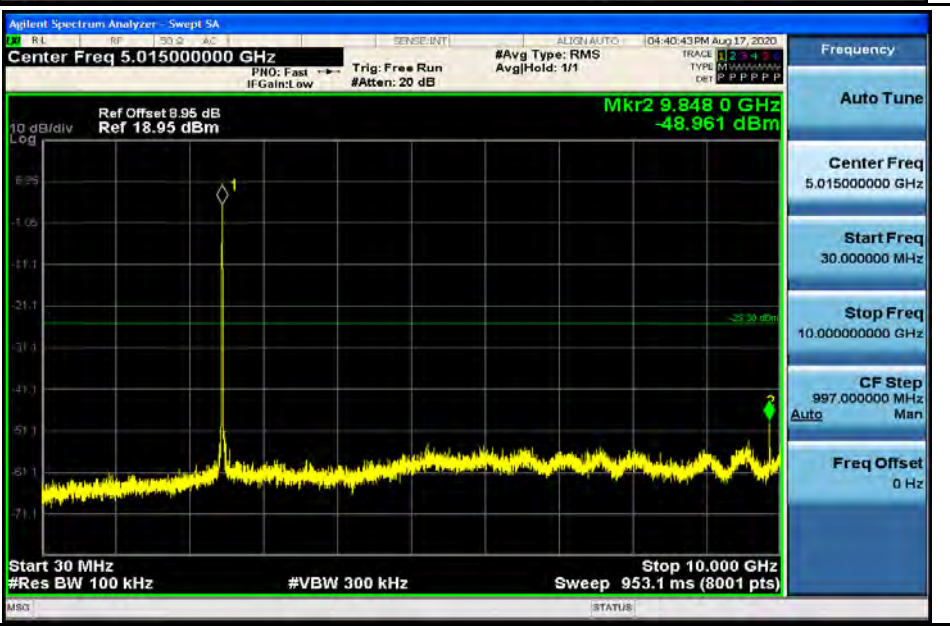
RF Conducted Spurious Emissions_11B_2412



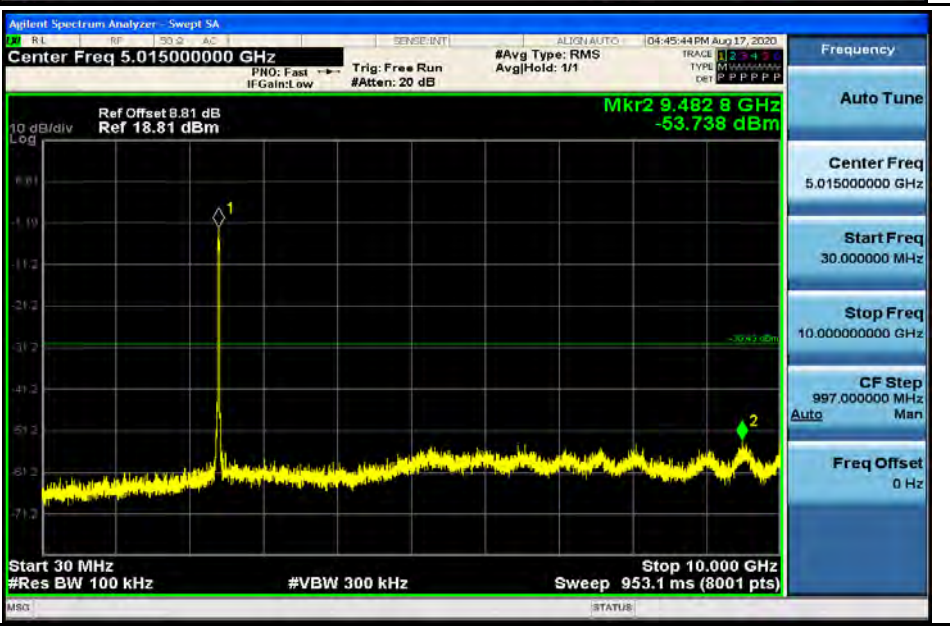
RF Conducted Spurious Emissions_11B_2437



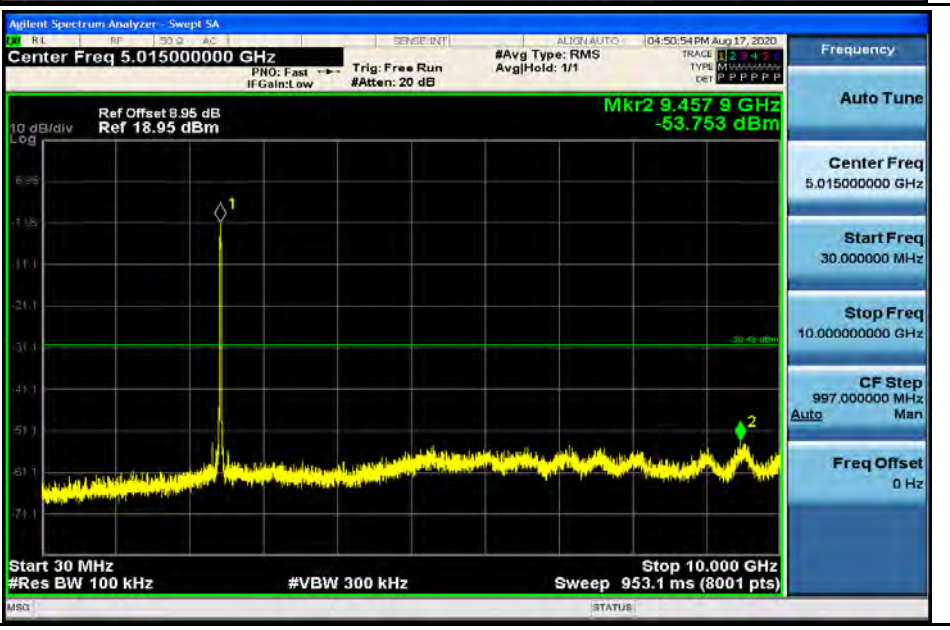
RF Conducted Spurious Emissions_11B_2462



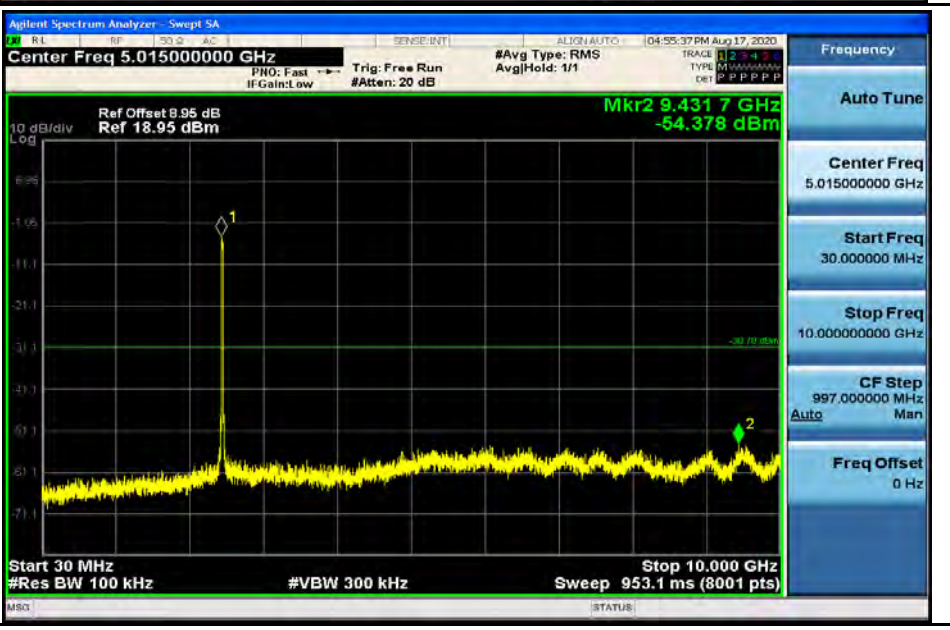
RF Conducted Spurious Emissions_11G_2412



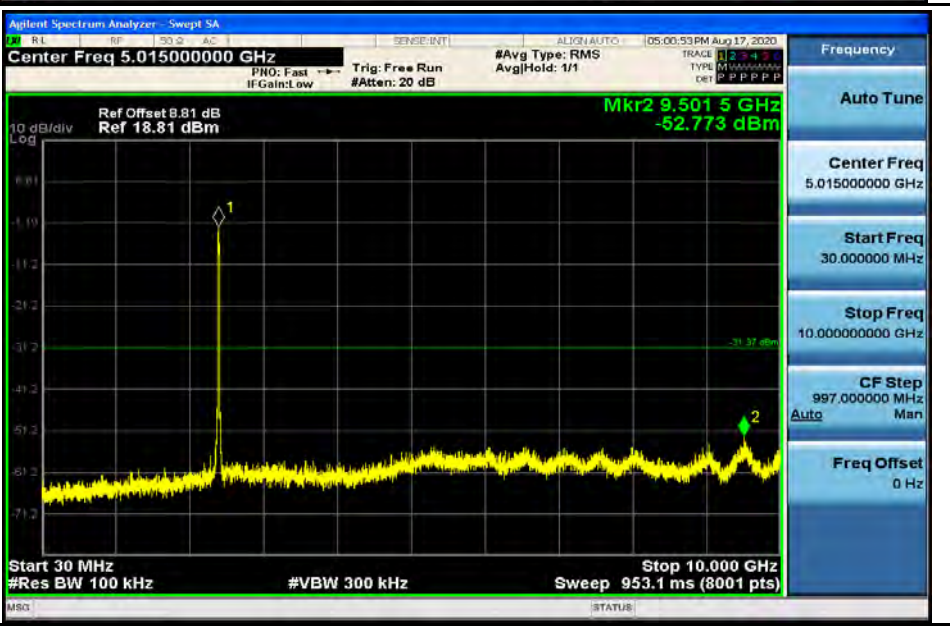
RF Conducted Spurious Emissions_11G_2437



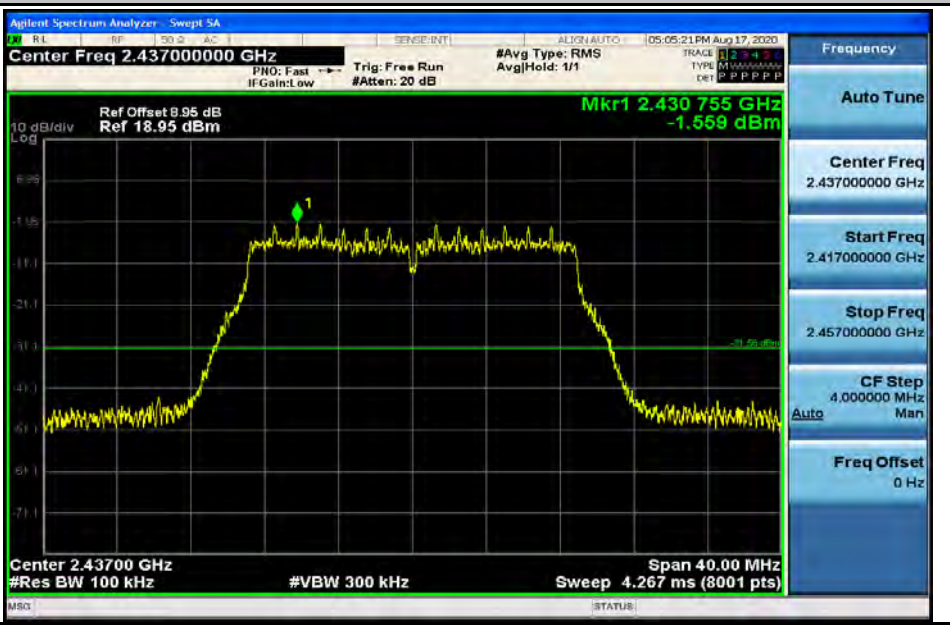
RF Conducted Spurious Emissions_11G_2462

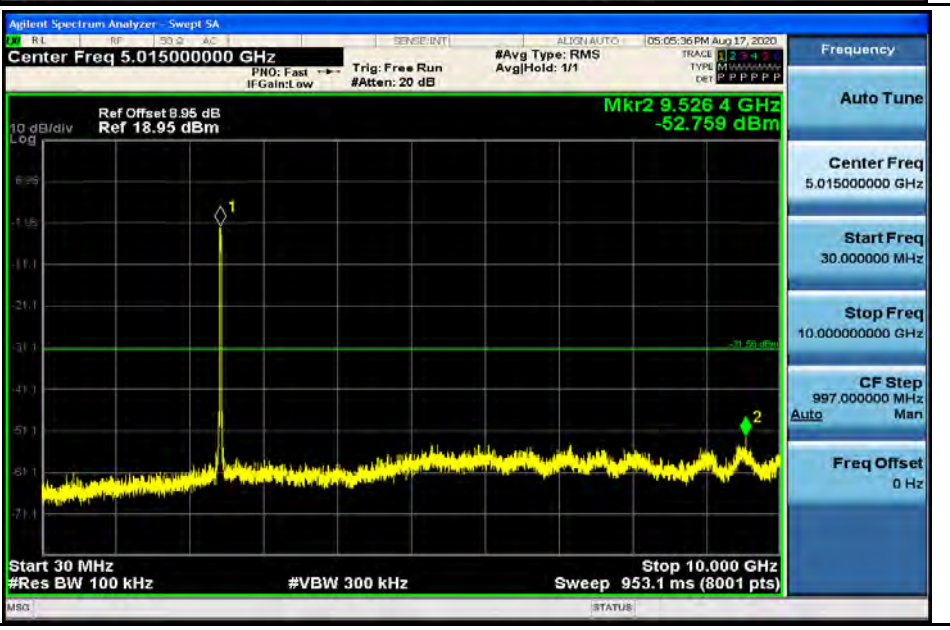


RF Conducted Spurious Emissions_11N20SISO_2412

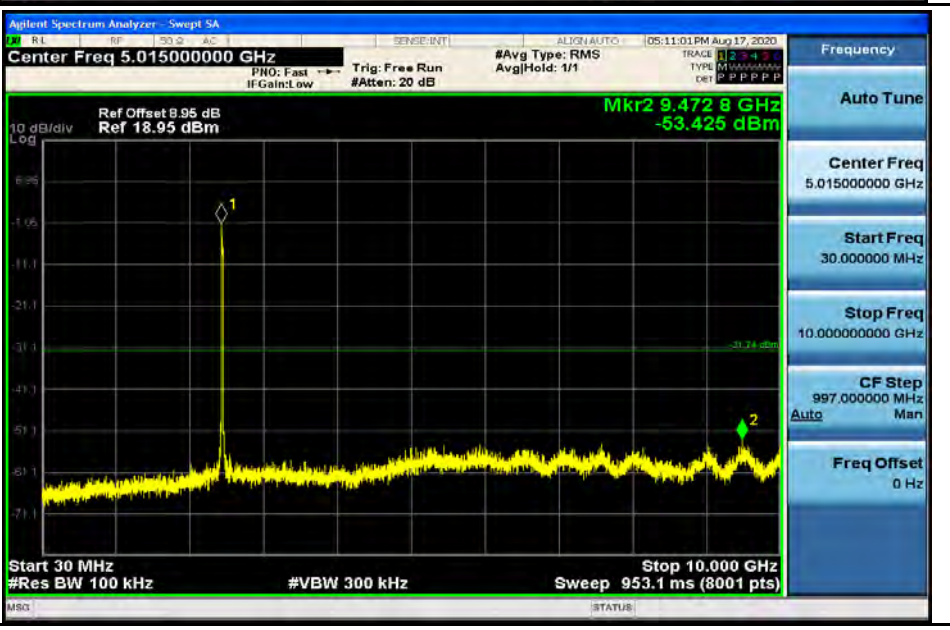


RF Conducted Spurious Emissions_11N20SISO_2437





RF Conducted Spurious Emissions_11N20SISO_2462

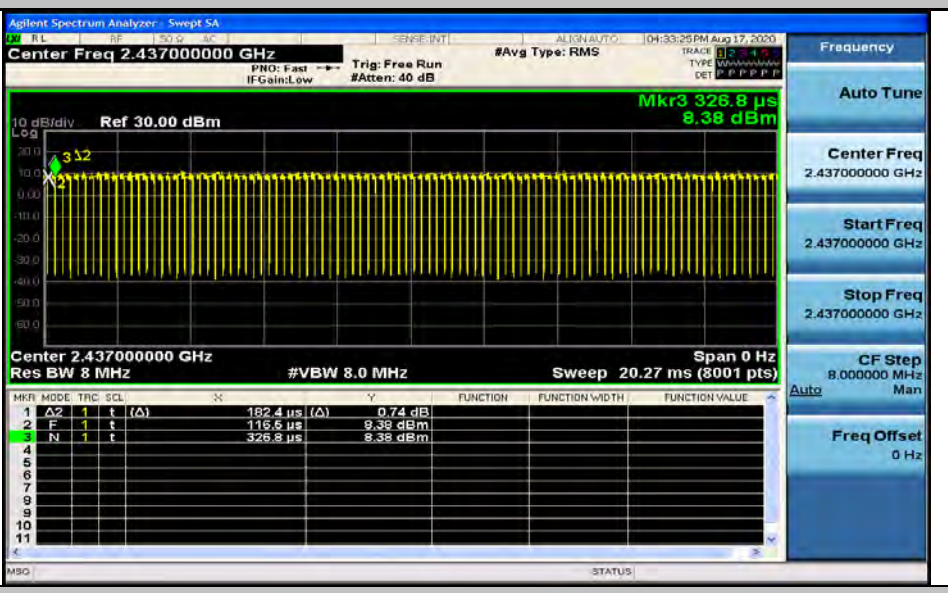


7.Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	86.75	0.62
11B	2437	Ant1	86.75	0.62
11B	2462	Ant1	87.95	0.56
11G	2412	Ant1	85.87	0.66
11G	2437	Ant1	85.87	0.66
11G	2462	Ant1	85.87	0.66
11N20SISO	2412	Ant1	85.87	0.66
11N20SISO	2437	Ant1	85.87	0.66
11N20SISO	2462	Ant1	85.87	0.66

Duty Cycle_11B_2412_Ant1

Duty Cycle_11B_2437_Ant1



Duty Cycle_11B_2462_Ant1

Duty Cycle_11G_2412_Ant1

Duty Cycle_11G_2437_Ant1

Duty Cycle_11G_2462_Ant1

Duty Cycle_11N20SISO_2412_Ant1

Duty Cycle_11N20SISO_2437_Ant1

Duty Cycle_11N20SISO_2462_Ant1