



Appendix A for SZEM1801000173CR

1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	9.577	0.5	PASS
11B	2437	Ant1	9.552	0.5	PASS
11B	2462	Ant1	9.105	0.5	PASS
11G	2412	Ant1	16.29	0.5	PASS
11G	2437	Ant1	16.31	0.5	PASS
11G	2462	Ant1	16.32	0.5	PASS
11N20SISO	2412	Ant1	17.54	0.5	PASS
11N20SISO	2437	Ant1	17.56	0.5	PASS
11N20SISO	2462	Ant1	17.33	0.5	PASS
11N40SISO	2422	Ant1	35.61	0.5	PASS
11N40SISO	2437	Ant1	35.87	0.5	PASS
11N40SISO	2452	Ant1	35.70	0.5	PASS

6dB Bandwidth_11B_2412_Ant1



6dB Bandwidth_11B_2437_Ant1



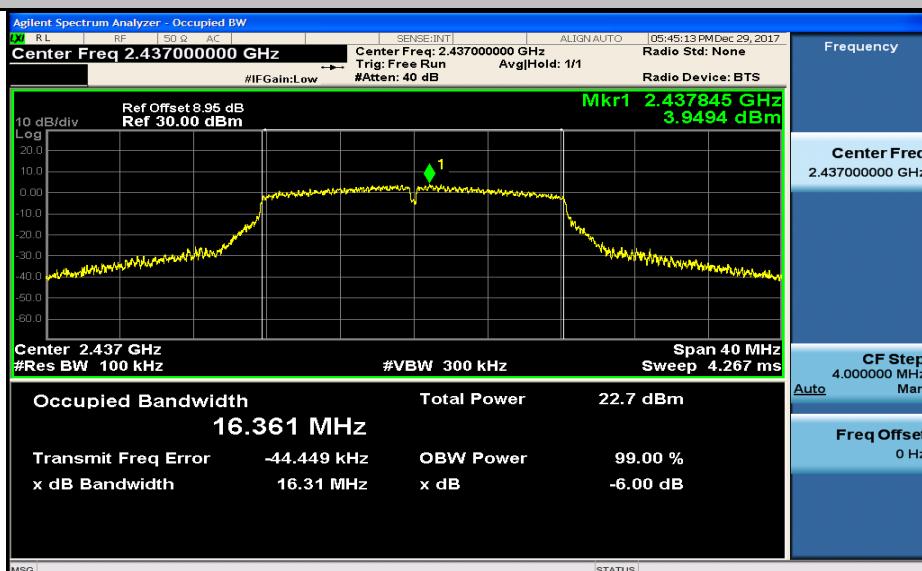
6dB Bandwidth_11B_2462_Ant1



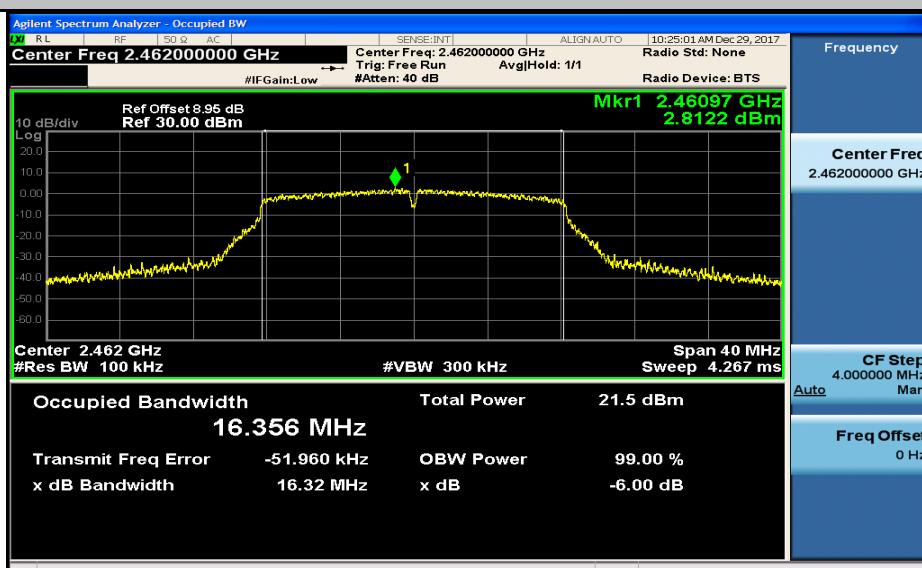
6dB Bandwidth_11G_2412_Ant1



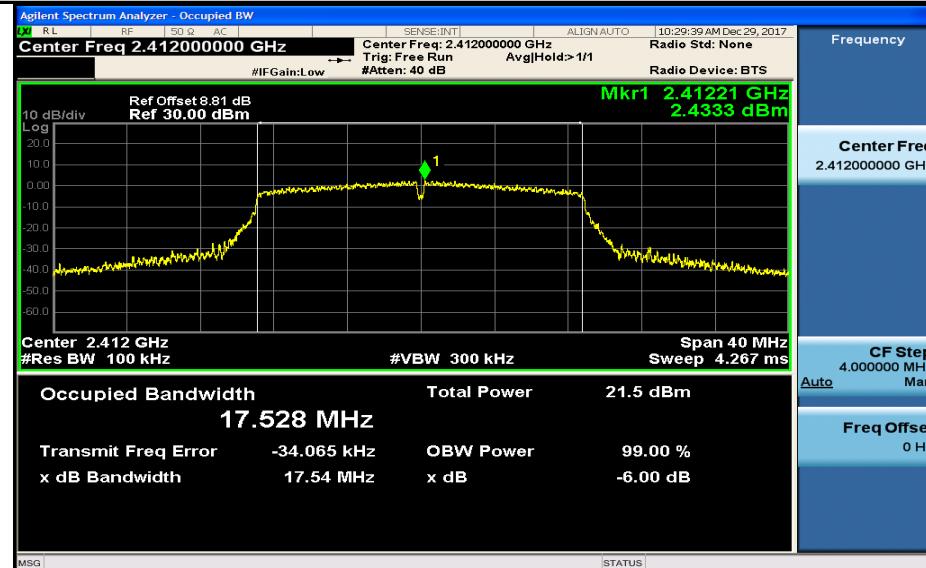
6dB Bandwidth_11G_2437_Ant1



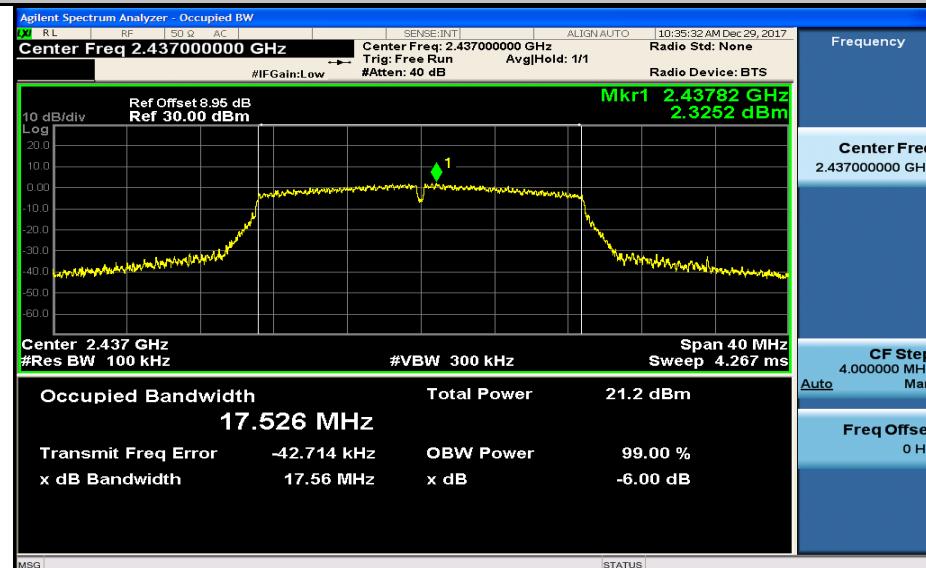
6dB Bandwidth_11G_2462_Ant1



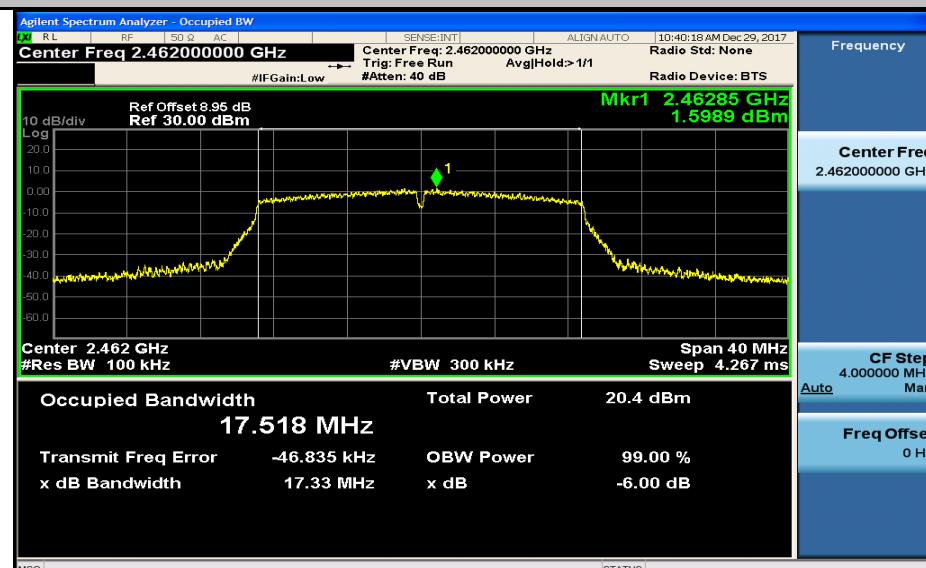
6dB Bandwidth_11N20SISO_2412_Ant1



6dB Bandwidth_11N20SISO_2437_Ant1



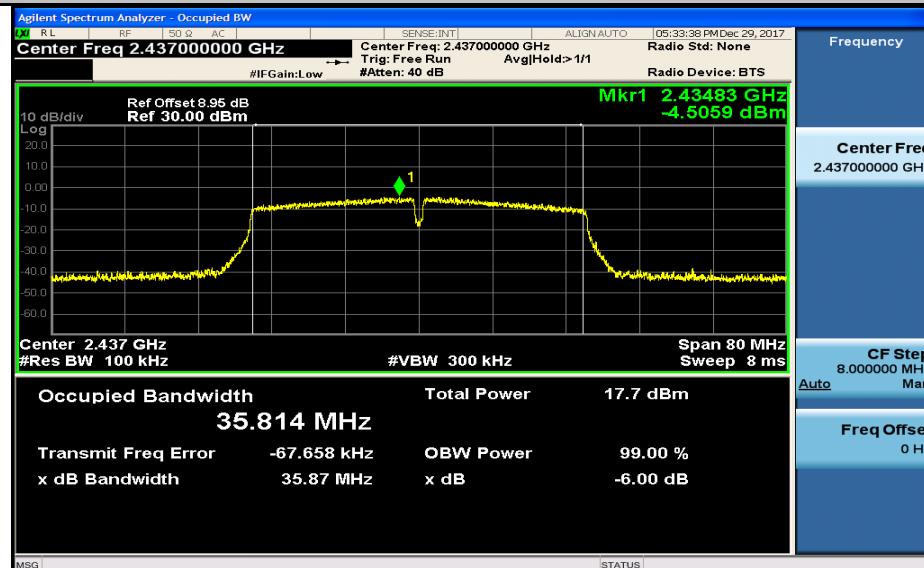
6dB Bandwidth_11N20SISO_2462_Ant1



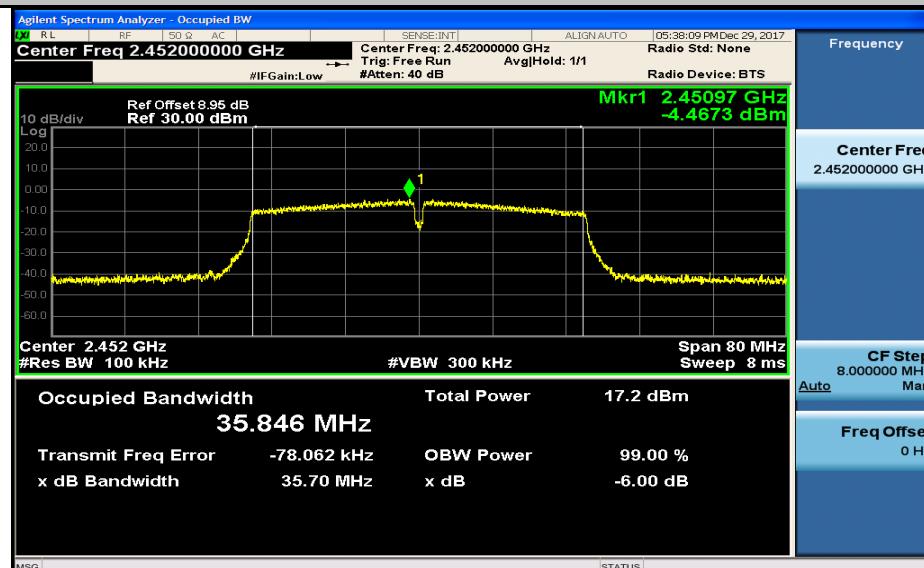
6dB Bandwidth_11N40SISO_2422_Ant1



6dB Bandwidth_11N40SISO_2437_Ant1



6dB Bandwidth_11N40SISO_2452_Ant1

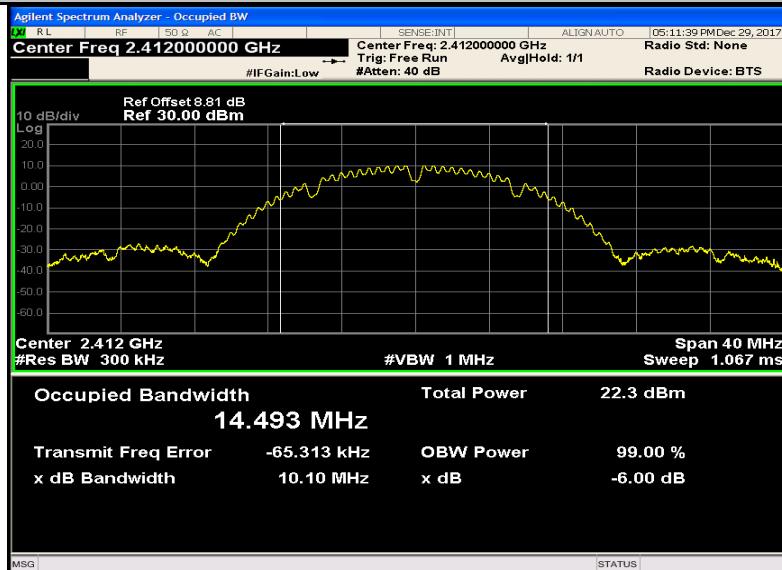




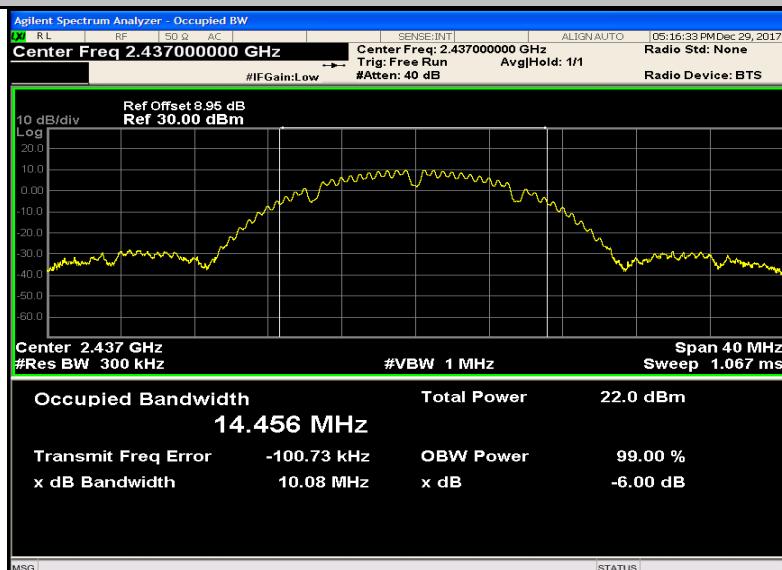
2.99% Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	14.493	---	PASS
11B	2437	Ant1	14.456	---	PASS
11B	2462	Ant1	14.411	---	PASS
11G	2412	Ant1	16.608	---	PASS
11G	2437	Ant1	16.594	---	PASS
11G	2462	Ant1	16.563	---	PASS
11N20SISO	2412	Ant1	17.591	---	PASS
11N20SISO	2437	Ant1	17.634	---	PASS
11N20SISO	2462	Ant1	17.598	---	PASS
11N40SISO	2422	Ant1	36.121	---	PASS
11N40SISO	2437	Ant1	36.124	---	PASS
11N40SISO	2452	Ant1	36.128	---	PASS

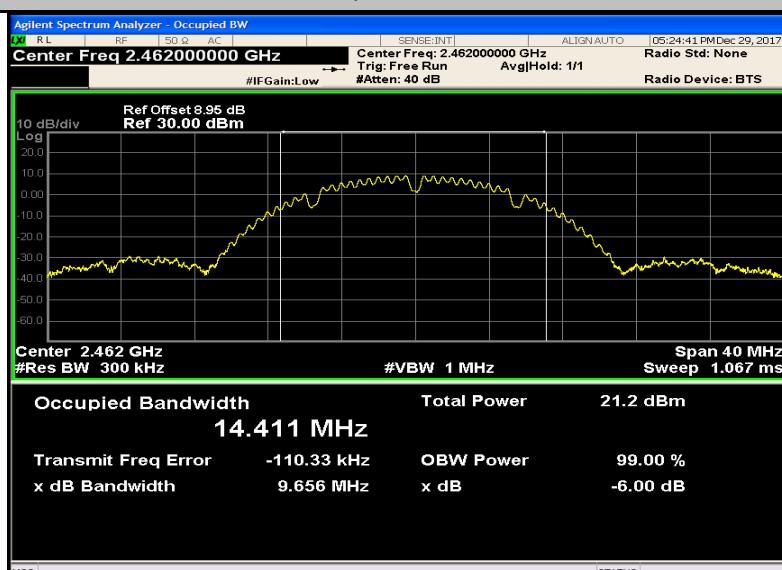
Occupied Bandwidth_11B_2412



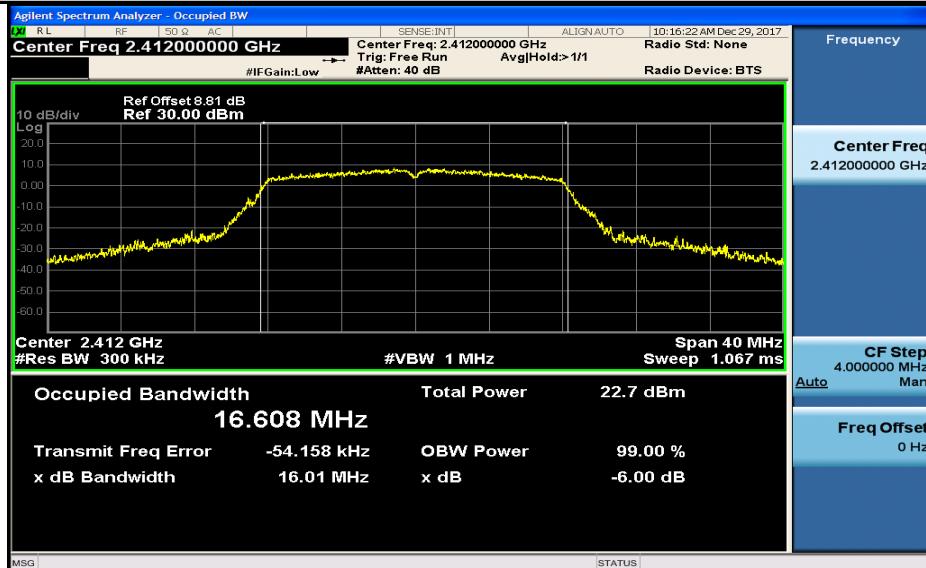
Occupied Bandwidth_11B_2437



Occupied Bandwidth_11B_2462



Occupied Bandwidth_11G_2412



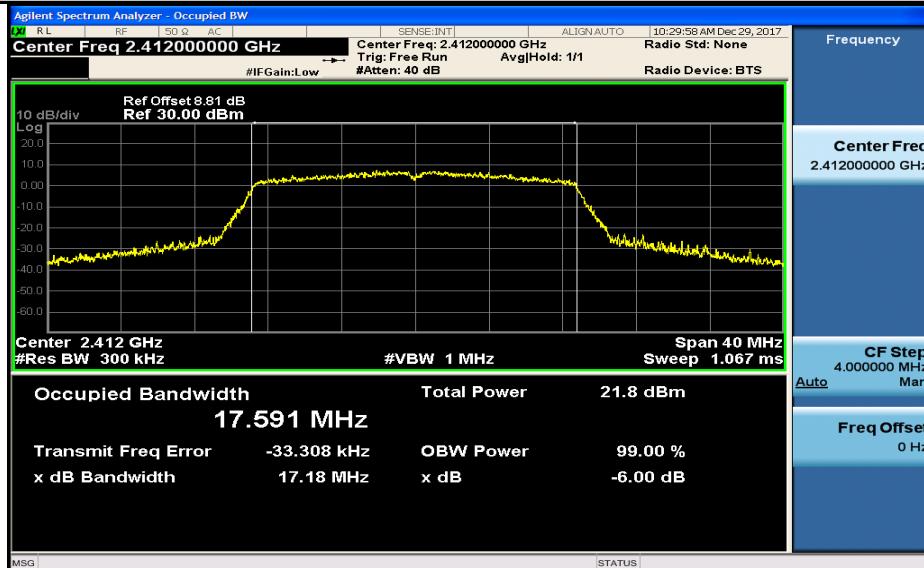
Occupied Bandwidth_11G_2437



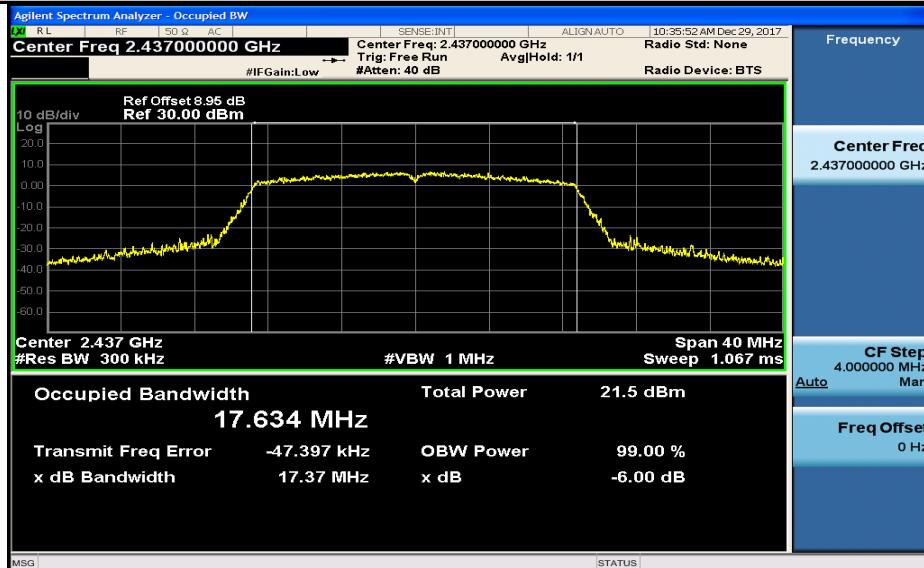
Occupied Bandwidth_11G_2462



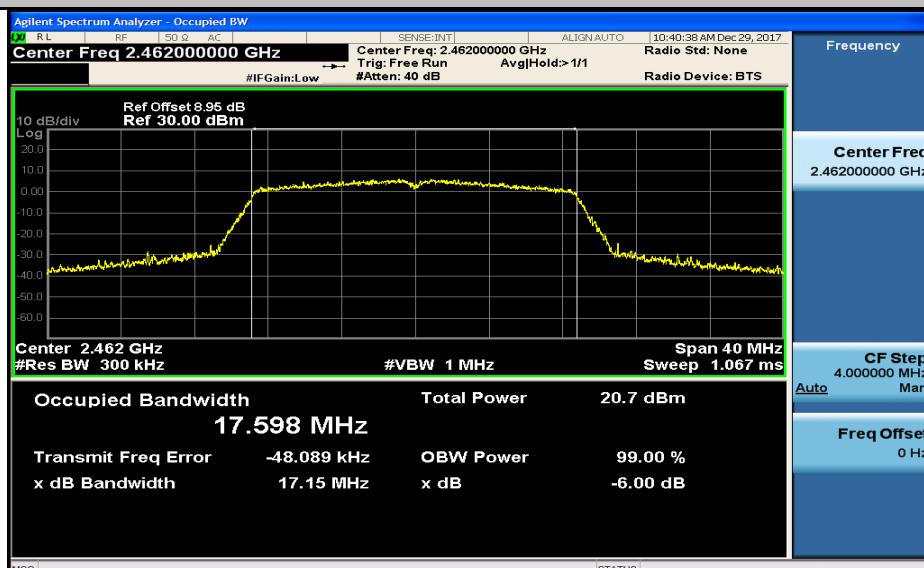
Occupied Bandwidth_11N20SISO_2412



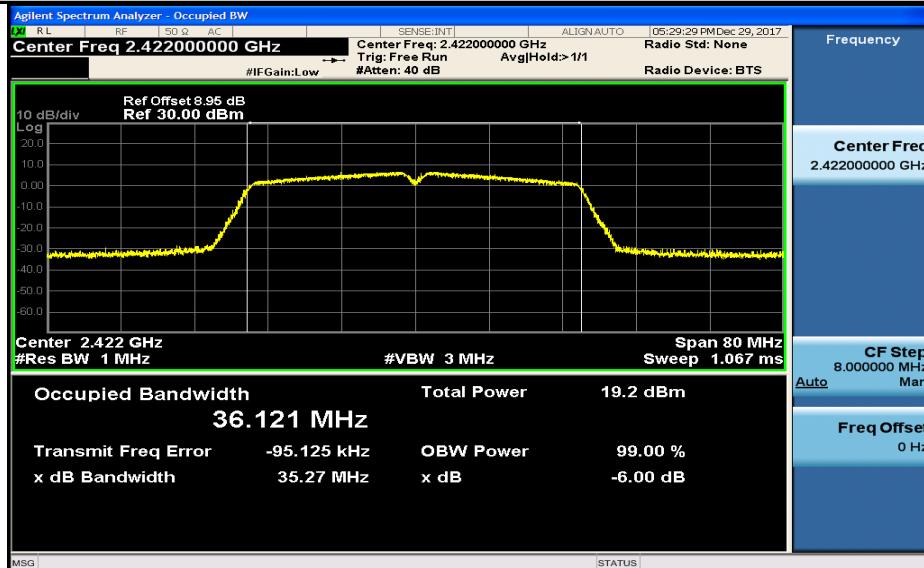
Occupied Bandwidth_11N20SISO_2437



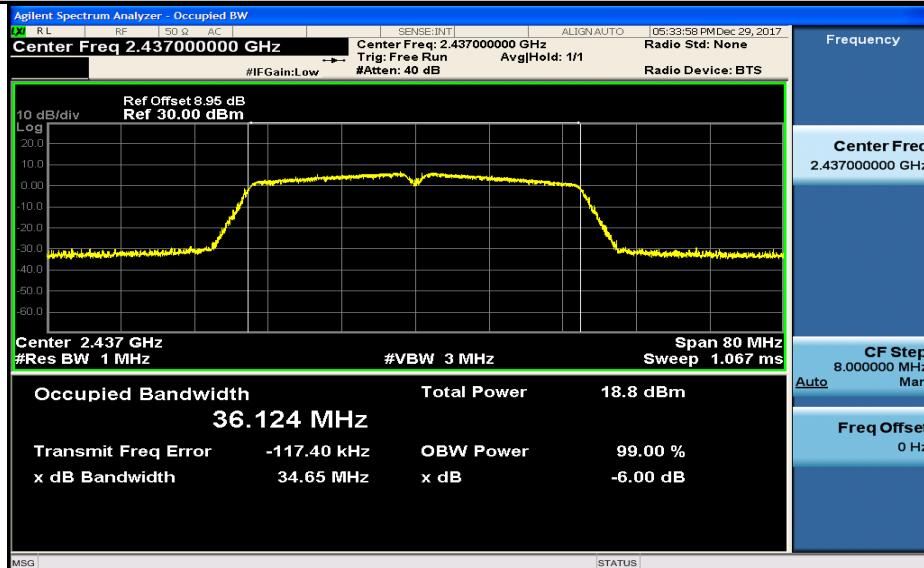
Occupied Bandwidth_11N20SISO_2462



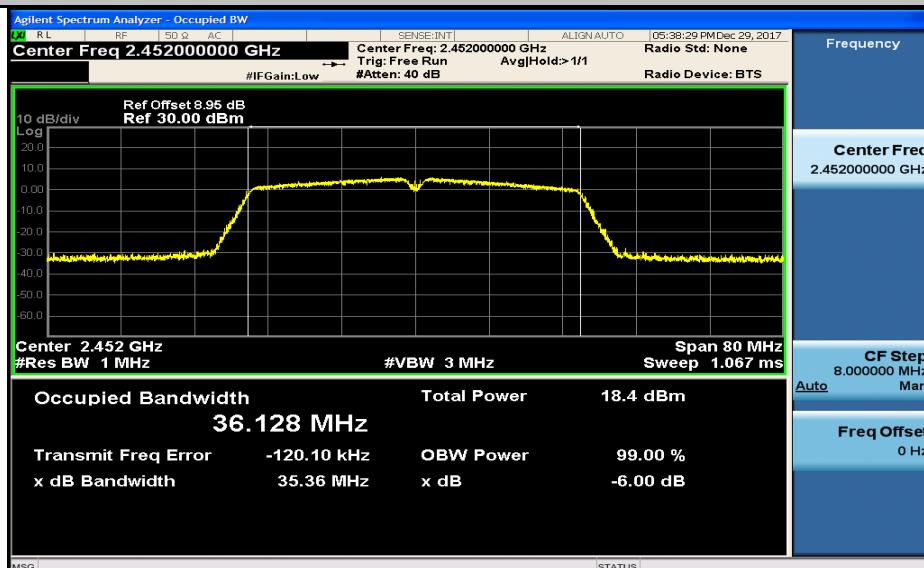
Occupied Bandwidth_11N40SISO_2422



Occupied Bandwidth_11N40SISO_2437



Occupied Bandwidth_11N40SISO_2452





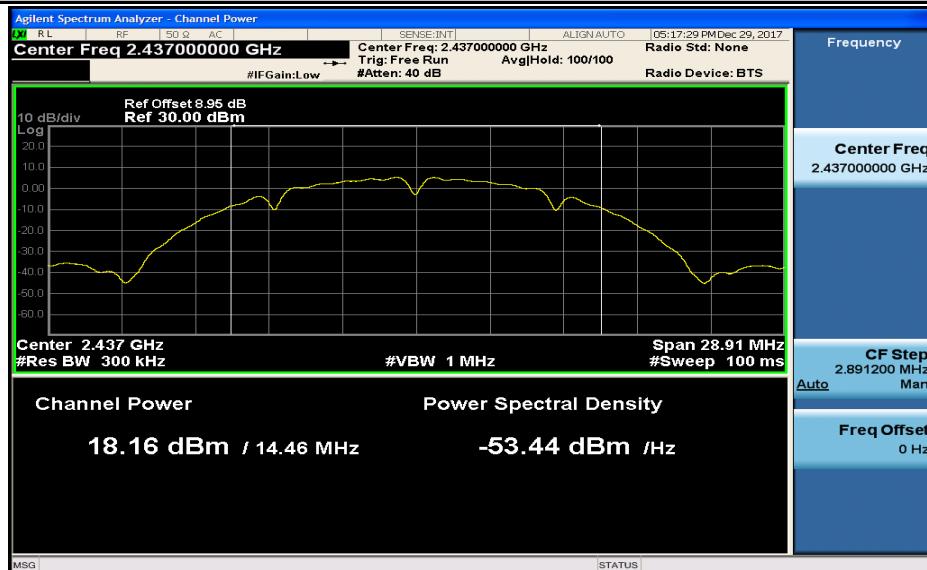
3. Maximum conducted (average) output power

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	18.56	0.00	18.56	30	PASS
11B	2437	Ant1	18.16	0.00	18.16	30	PASS
11B	2462	Ant1	17.45	0.00	17.45	30	PASS
11G	2412	Ant1	16.3	0.00	16.3	30	PASS
11G	2437	Ant1	16.44	0.00	16.44	30	PASS
11G	2462	Ant1	15.31	0.00	15.31	30	PASS
11N20SISO	2412	Ant1	15.27	0.00	15.27	30	PASS
11N20SISO	2437	Ant1	15.04	0.00	15.04	30	PASS
11N20SISO	2462	Ant1	14.3	0.00	14.3	30	PASS
11N40SISO	2422	Ant1	11.8	0.00	11.8	30	PASS
11N40SISO	2437	Ant1	11.43	0.00	11.43	30	PASS
11N40SISO	2452	Ant1	10.96	0.00	10.96	30	PASS

Maximum conducted (average) output power_11B_2412



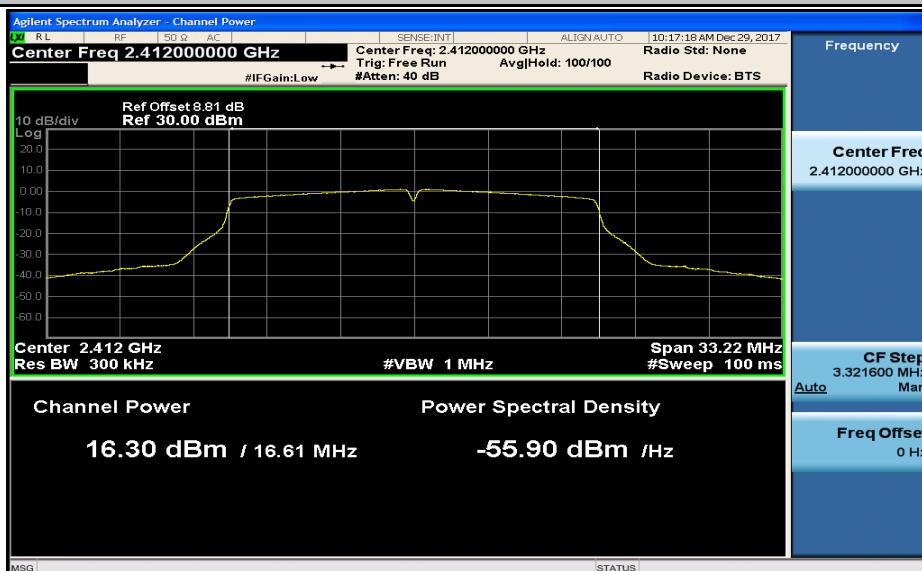
Maximum conducted (average) output power_11B_2437



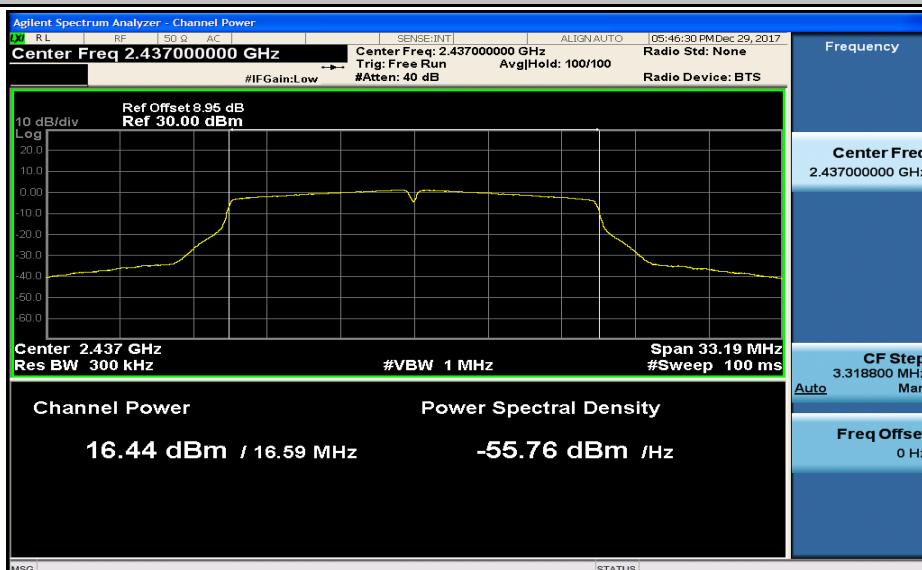
Maximum conducted (average) output power_11B_2462



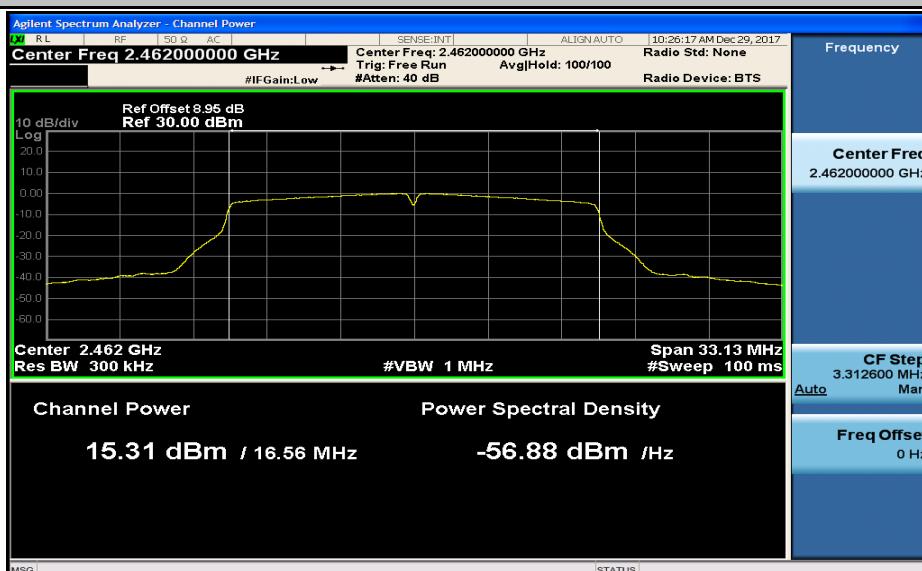
Maximum conducted (average) output power_11G_2412



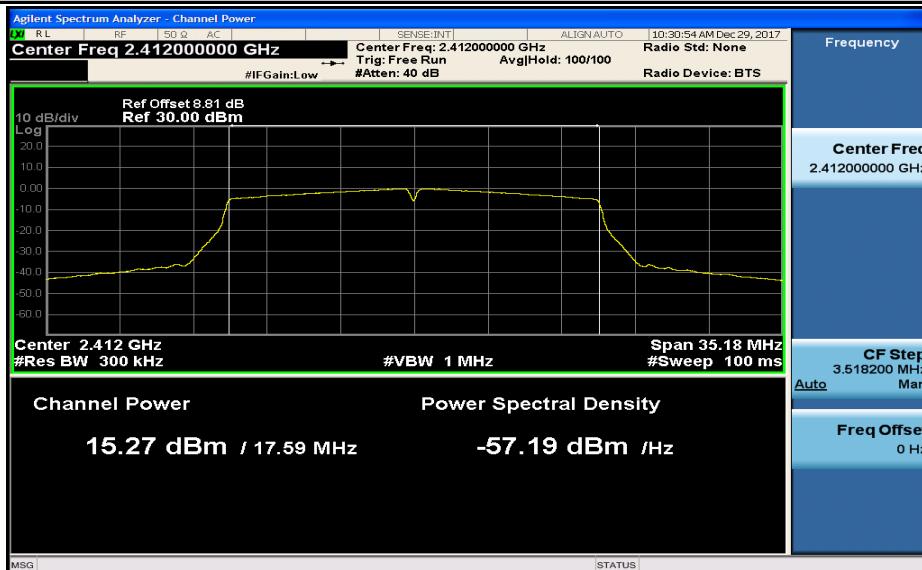
Maximum conducted (average) output power_11G_2437



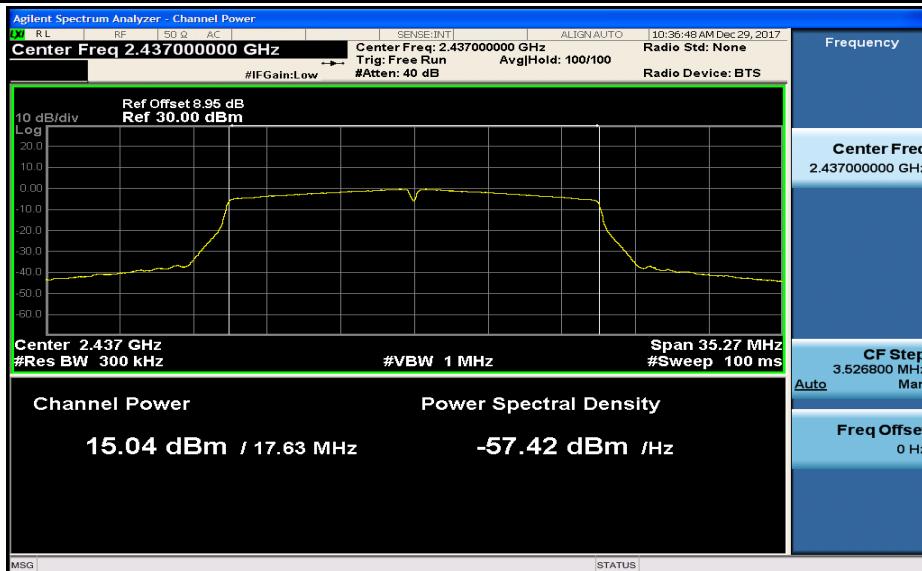
Maximum conducted (average) output power_11G_2462



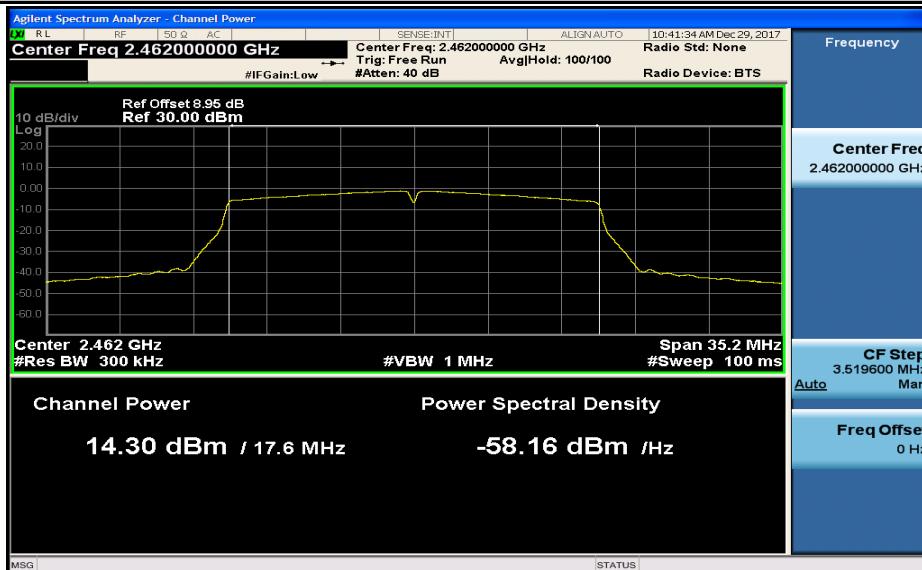
Maximum conducted (average) output power_11N20SISO_2412



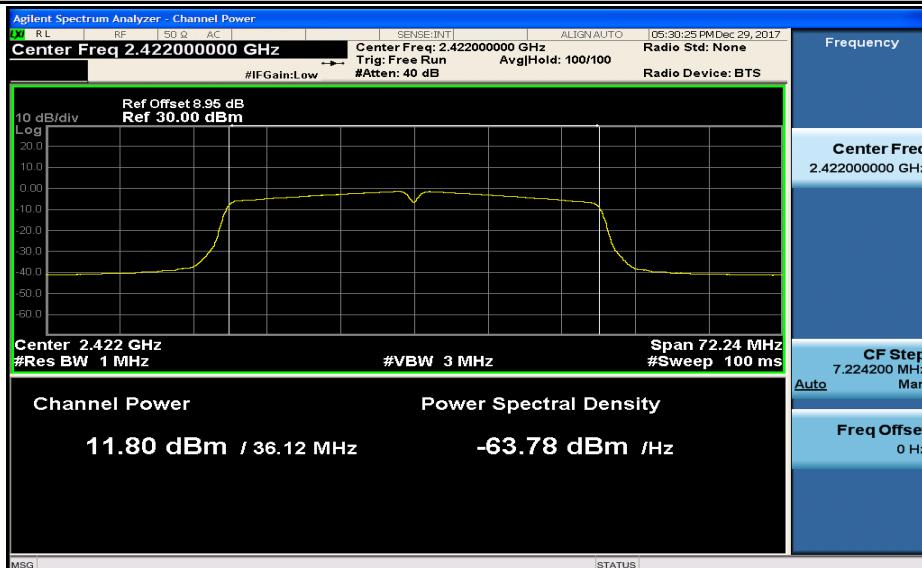
Maximum conducted (average) output power_11N20SISO_2437



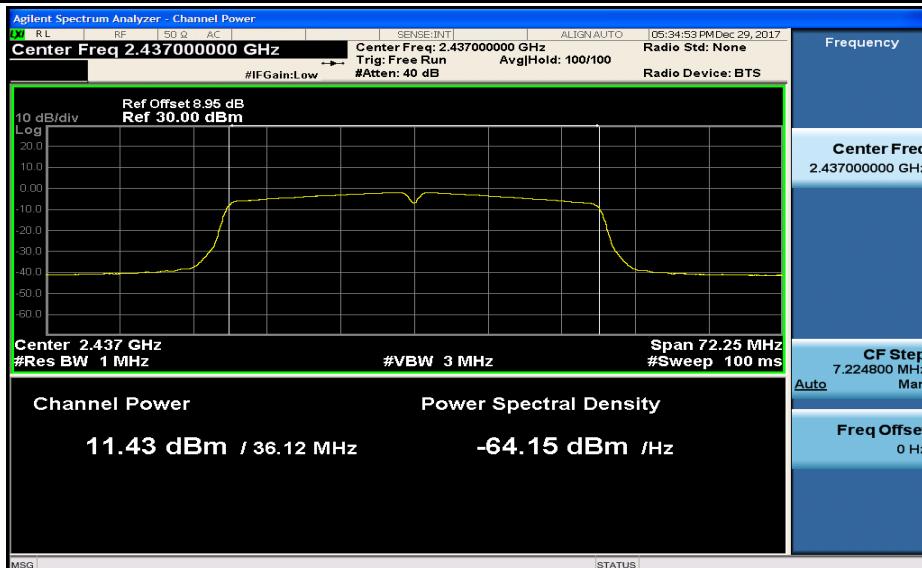
Maximum conducted (average) output power_11N20SISO_2462



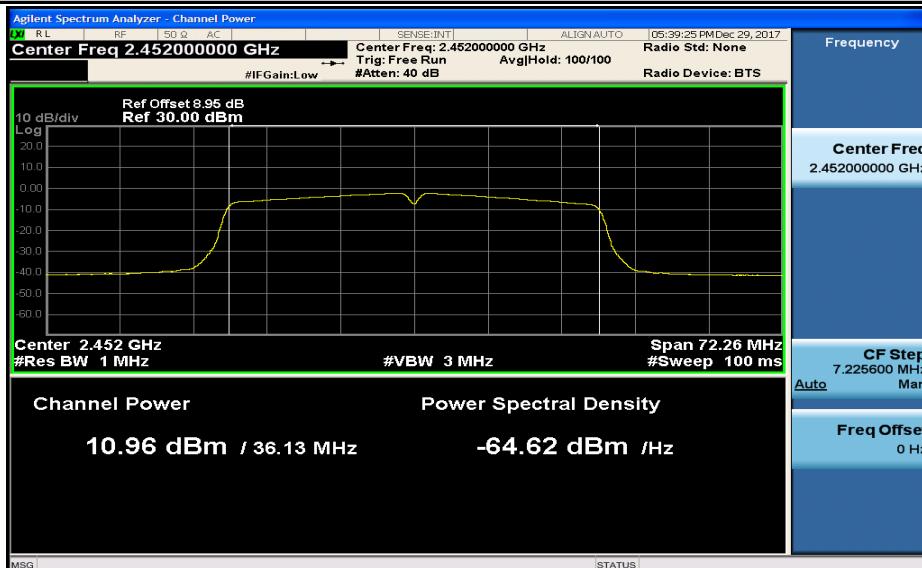
Maximum conducted (average) output power_11N40SISO_2422



Maximum conducted (average) output power_11N40SISO_2437



Maximum conducted (average) output power_11N40SISO_2452





4. Maximum(average) power spectral density

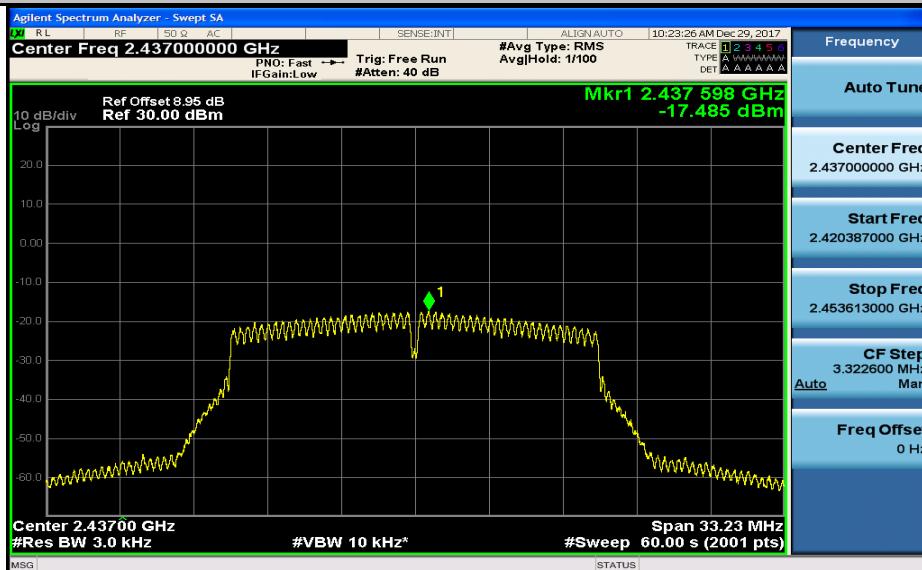
Test Mode	Test Channel	Ant	Level [dBm/MHz]	10log(1/x) Factor[dB]	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-13.754	0	-13.754	8.00	PASS
11B	2437	Ant1	-13.884	0	-13.884	8.00	PASS
11B	2462	Ant1	-14.295	0	-14.295	8.00	PASS
11G	2412	Ant1	-16.896	0	-16.896	8.00	PASS
11G	2437	Ant1	-17.485	0	-17.485	8.00	PASS
11G	2462	Ant1	-18.073	0	-18.073	8.00	PASS
11N20SISO	2412	Ant1	-17.595	0	-17.595	8.00	PASS
11N20SISO	2437	Ant1	-18.468	0	-18.468	8.00	PASS
11N20SISO	2462	Ant1	-19.236	0	-19.236	8.00	PASS
11N40SISO	2422	Ant1	-24.778	0	-24.778	8.00	PASS
11N40SISO	2437	Ant1	-25.223	0	-25.223	8.00	PASS
11N40SISO	2452	Ant1	-25.345	0	-25.345	8.00	PASS



Maximum(average) power spectral density_11G_2412



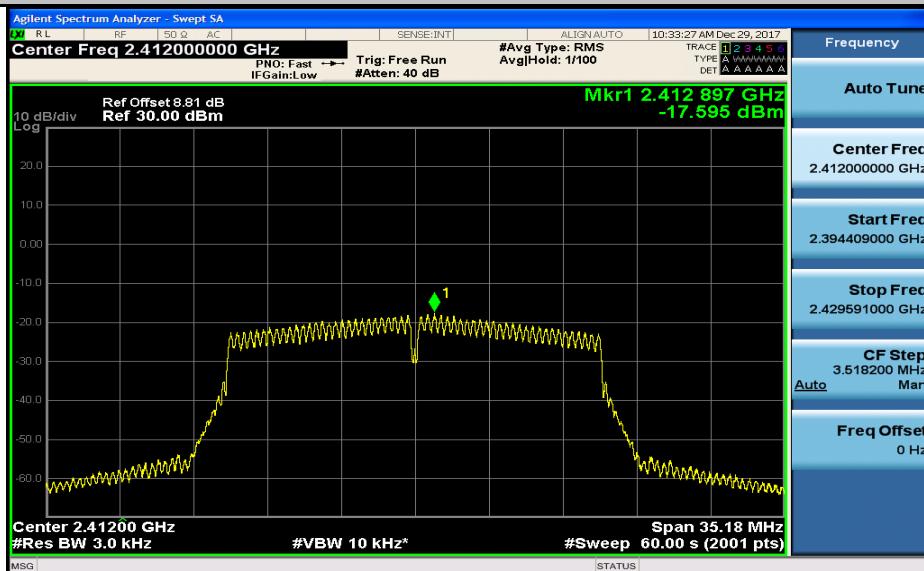
Maximum(average) power spectral density_11G_2437



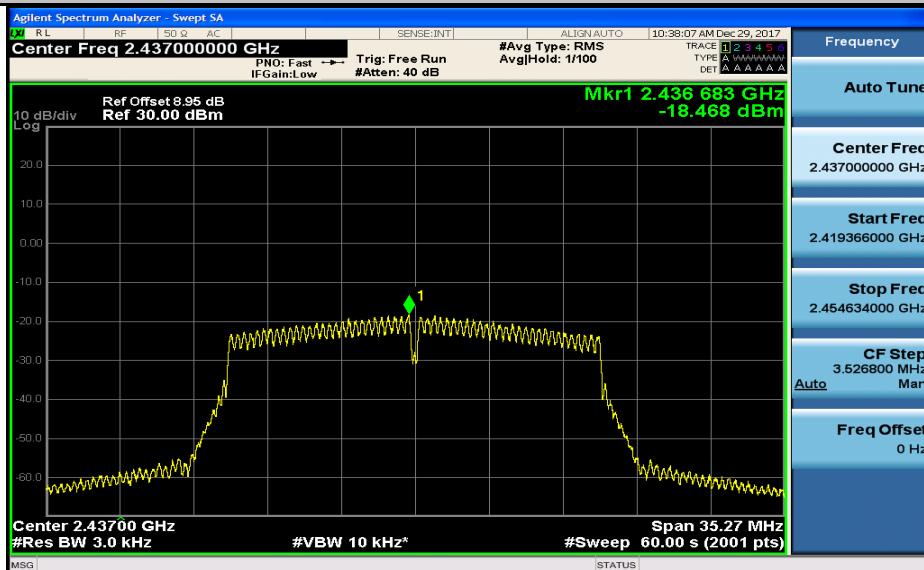
Maximum(average) power spectral density_11G_2462



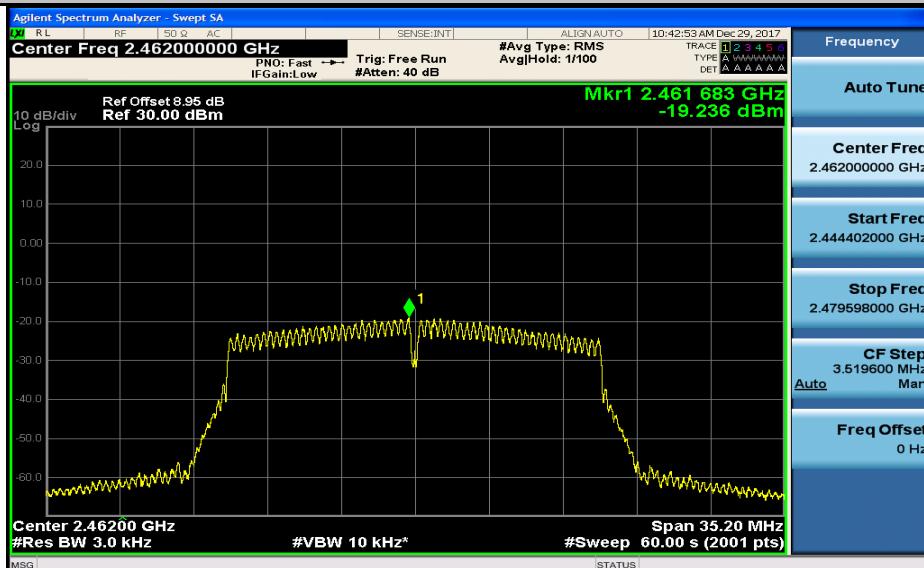
Maximum(average) power spectral density_11N20SISO_2412



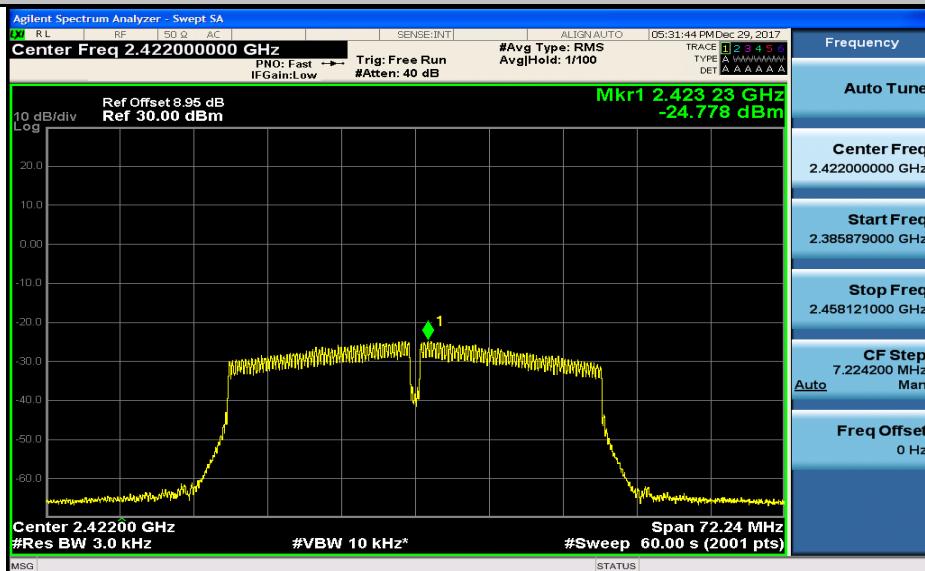
Maximum(average) power spectral density_11N20SISO_2437



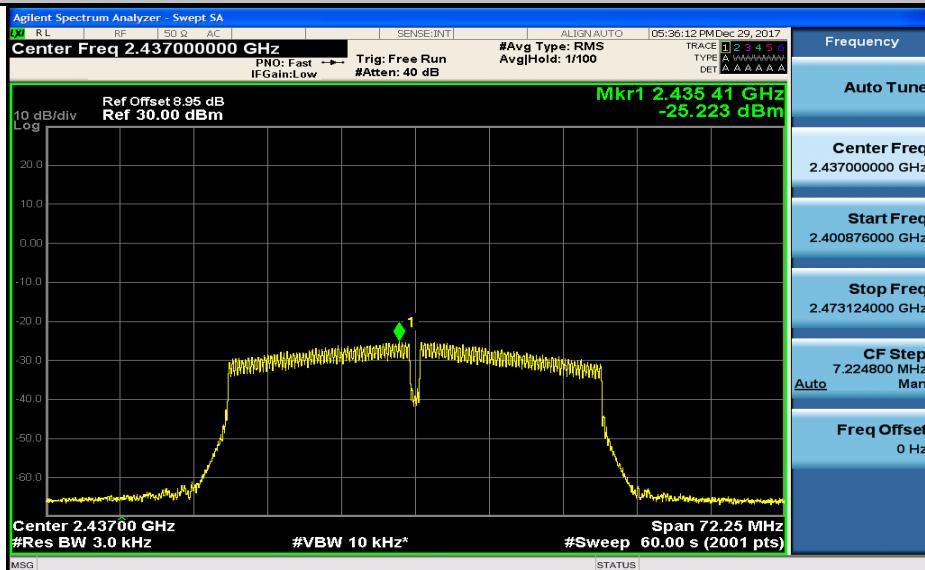
Maximum(average) power spectral density_11N20SISO_2462



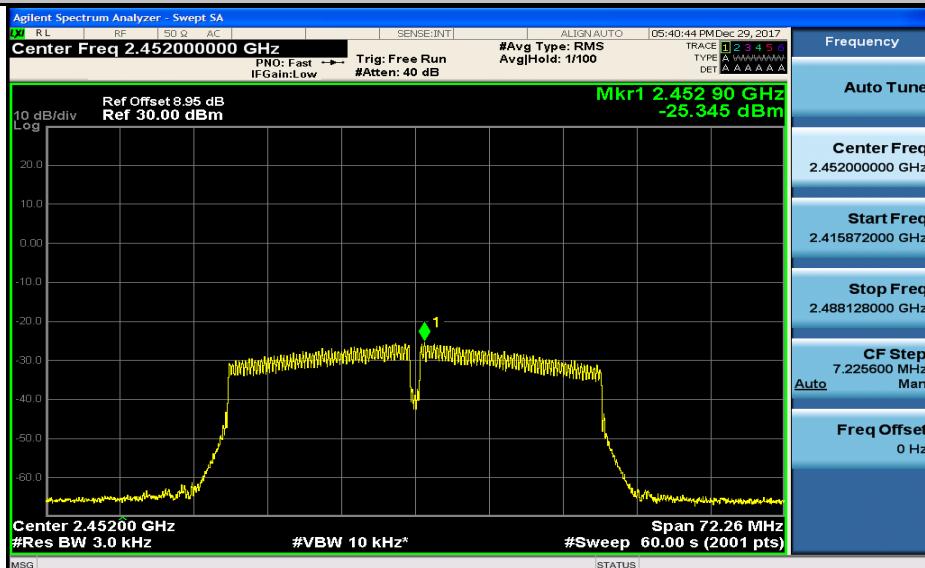
Maximum(average) power spectral density_11N40SISO_2422



Maximum(average) power spectral density_11N40SISO_2437



Maximum(average) power spectral density_11N40SISO_2452

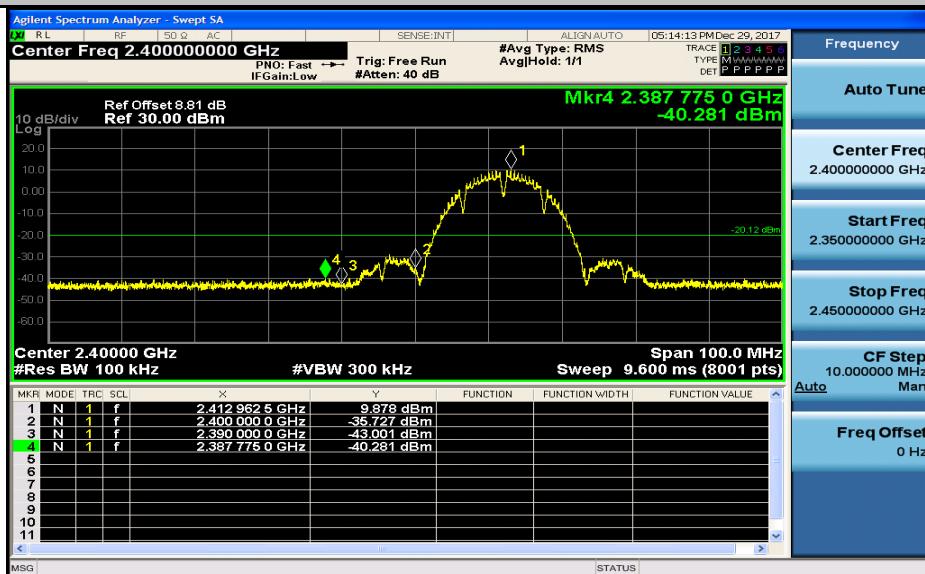




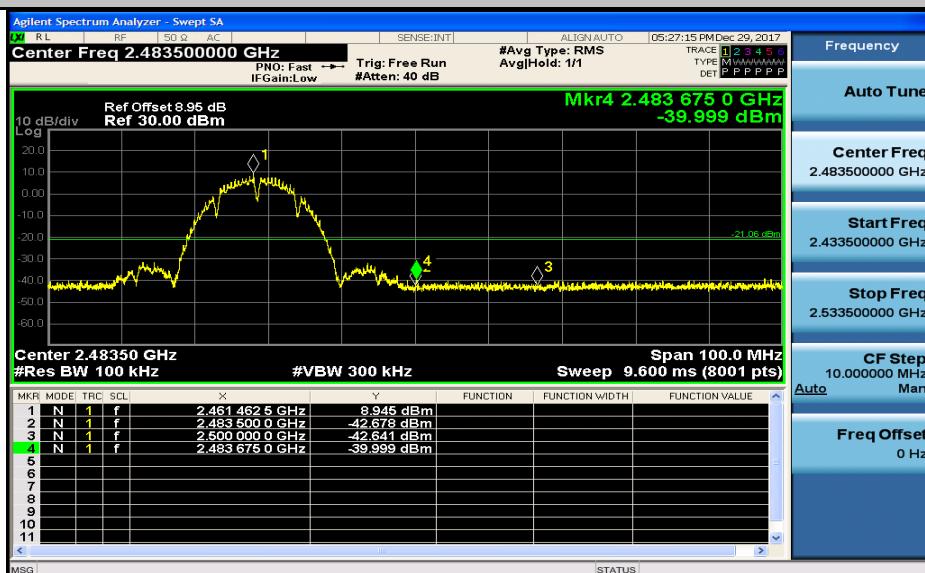
5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	9.878	-40.281	-20.12	PASS
11B	2462	Ant1	8.945	-39.999	-21.06	PASS
11G	2412	Ant1	3.160	-39.121	-26.84	PASS
11G	2462	Ant1	3.090	-39.329	-26.91	PASS
11N20SISO	2412	Ant1	2.194	-39.846	-27.81	PASS
11N20SISO	2462	Ant1	1.170	-39.362	-28.83	PASS
11N40SISO	2422	Ant1	-3.843	-39.686	-33.84	PASS
11N40SISO	2452	Ant1	-4.652	-38.593	-34.65	PASS

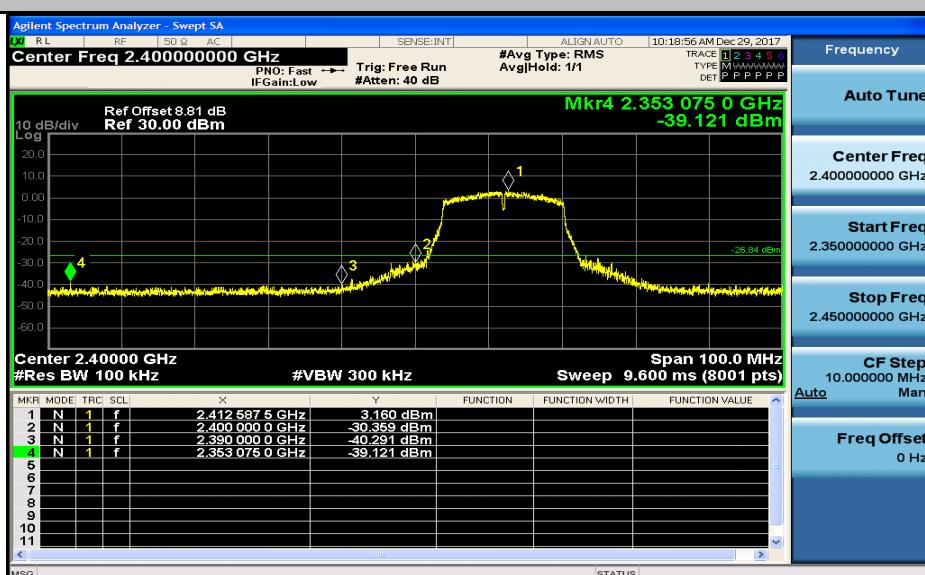
Band-edge for RF Conducted Emissions_11B_2412_Ant1



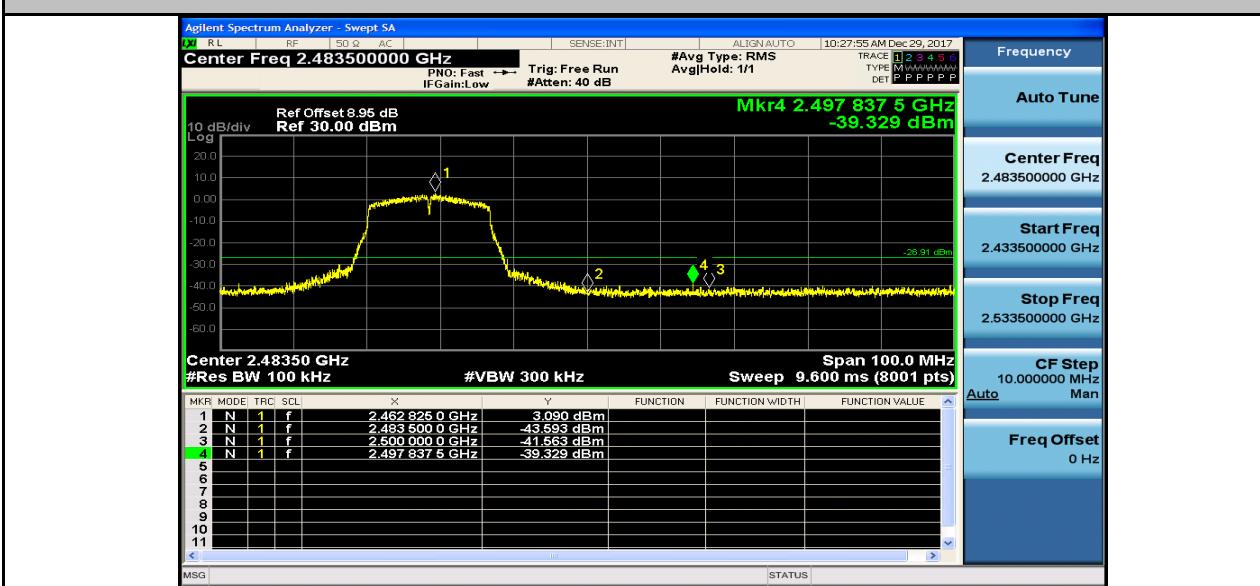
Band-edge for RF Conducted Emissions_11B_2462_Ant1



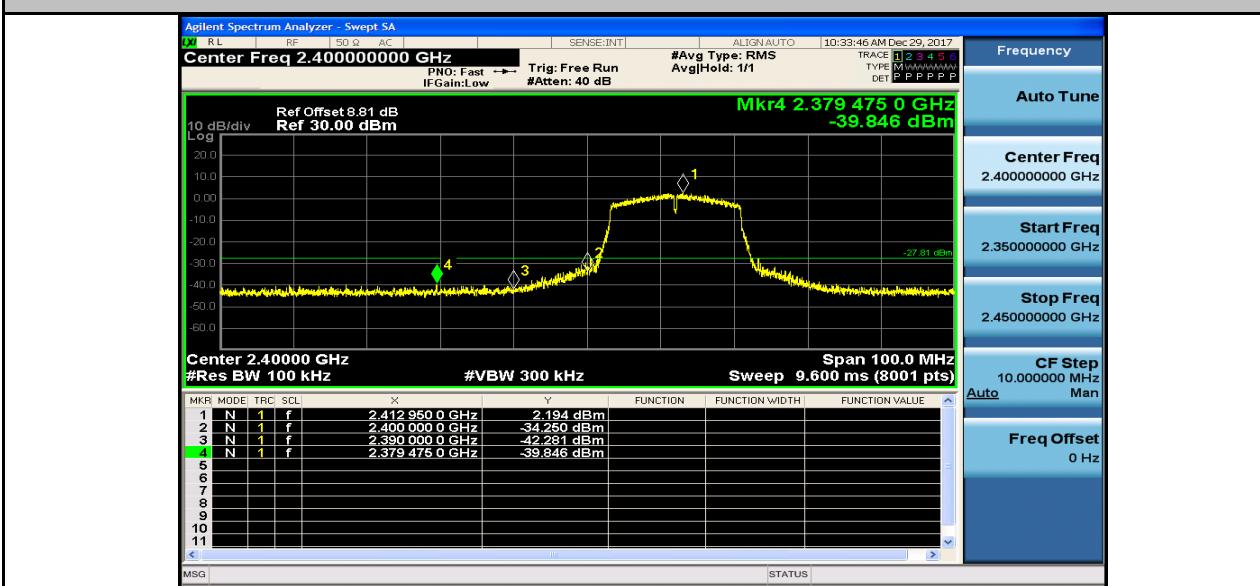
Band-edge for RF Conducted Emissions 11G 2412 Ant1



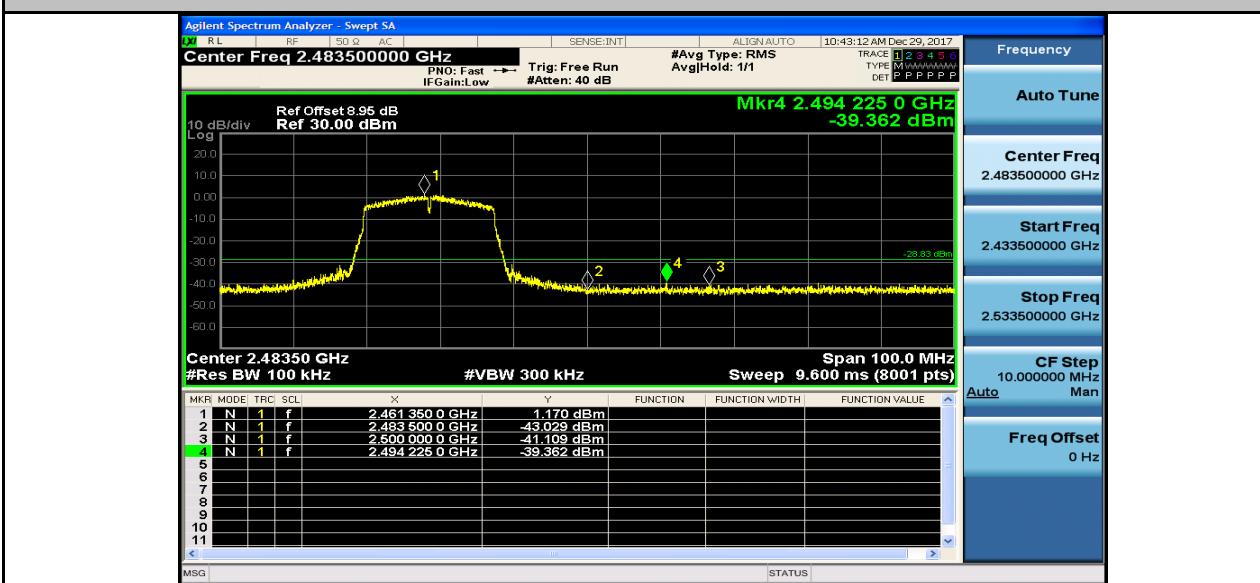
Band-edge for RF Conducted Emissions_11G_2462_Ant1



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



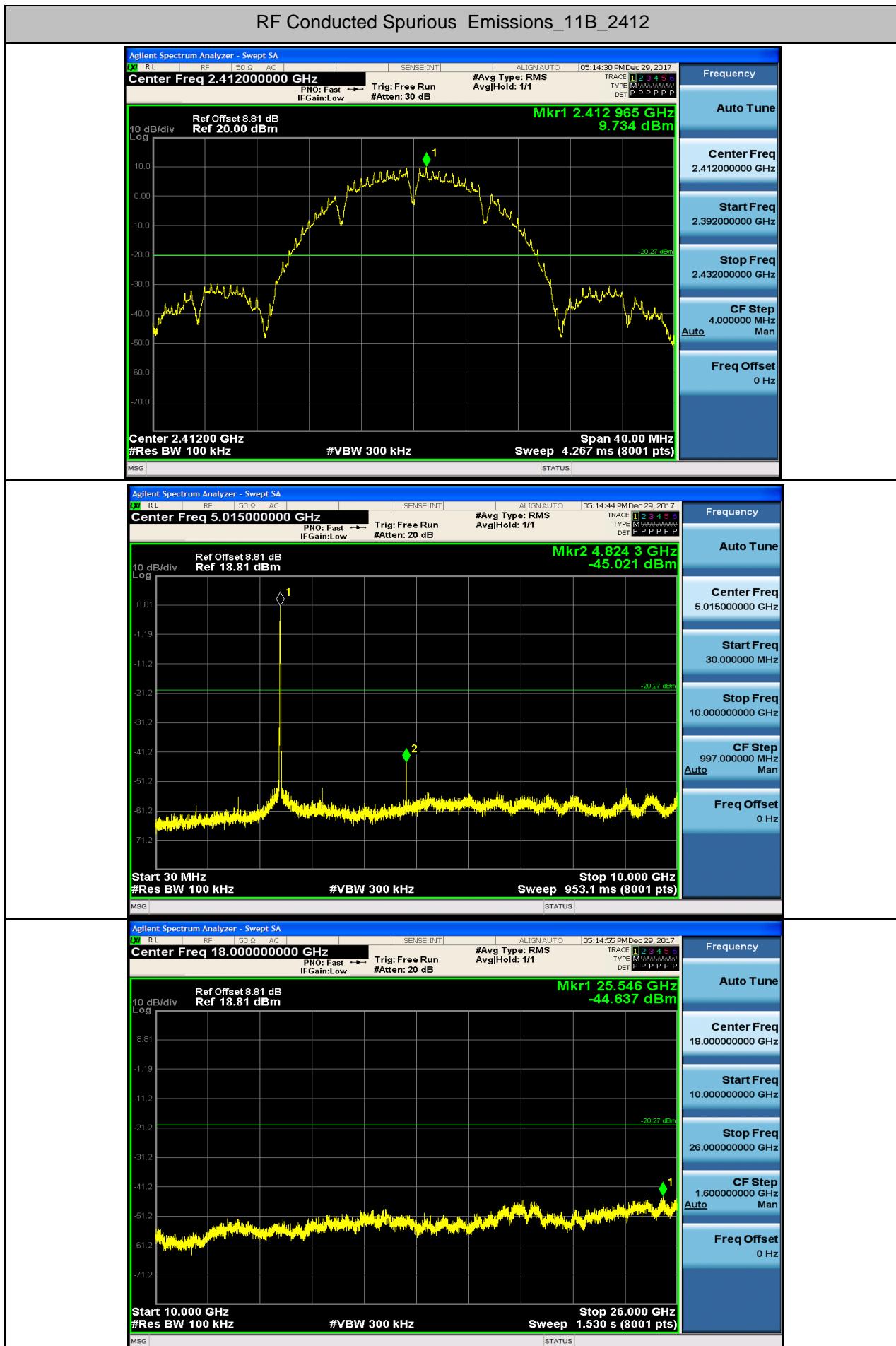


6.RF Conducted Spurious Emissions

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	9.734	-45.021	<- 20.266	PASS
11B	2412	Ant1	10000	26000	100	300	9.734	-44.637	<- 20.266	PASS
11B	2437	Ant1	30	10000	100	300	9.429	-47.365	<- 20.571	PASS
11B	2437	Ant1	10000	26000	100	300	9.429	-44.204	<- 20.571	PASS
11B	2462	Ant1	30	10000	100	300	8.875	-50.485	<- 21.125	PASS
11B	2462	Ant1	10000	26000	100	300	8.875	-44.130	<- 21.125	PASS
11G	2412	Ant1	30	10000	100	300	3.572	-53.601	<- 26.428	PASS
11G	2412	Ant1	10000	26000	100	300	3.572	-44.669	<- 26.428	PASS
11G	2437	Ant1	30	10000	100	300	3.052	-52.989	<- 26.948	PASS
11G	2437	Ant1	10000	26000	100	300	3.052	-43.765	<- 26.948	PASS
11G	2462	Ant1	30	10000	100	300	2.627	-52.670	<- 27.373	PASS
11G	2462	Ant1	10000	26000	100	300	2.627	-44.636	<- 27.373	PASS
11N20SISO	2412	Ant1	30	10000	100	300	2.323	-53.281	<- 27.677	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	2.323	-44.625	<- 27.677	PASS
11N20SISO	2437	Ant1	30	10000	100	300	2.333	-52.288	<- 27.667	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	2.333	-44.215	<- 27.667	PASS
11N20SISO	2462	Ant1	30	10000	100	300	1.437	-51.507	<- 28.563	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	1.437	-44.887	<- 28.563	PASS
11N40SISO	2422	Ant1	30	10000	100	300	-4.027	-53.131	<- 34.027	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	-4.027	-44.374	<- 34.027	PASS
11N40SISO	2437	Ant1	30	10000	100	300	-4.267	-52.718	<- 34.267	PASS
11N40SISO	2437	Ant1	10000	26000	100	300	-4.267	-44.865	<- 34.267	PASS
11N40SISO	2452	Ant1	30	10000	100	300	-4.848	-51.764	<- 34.848	PASS

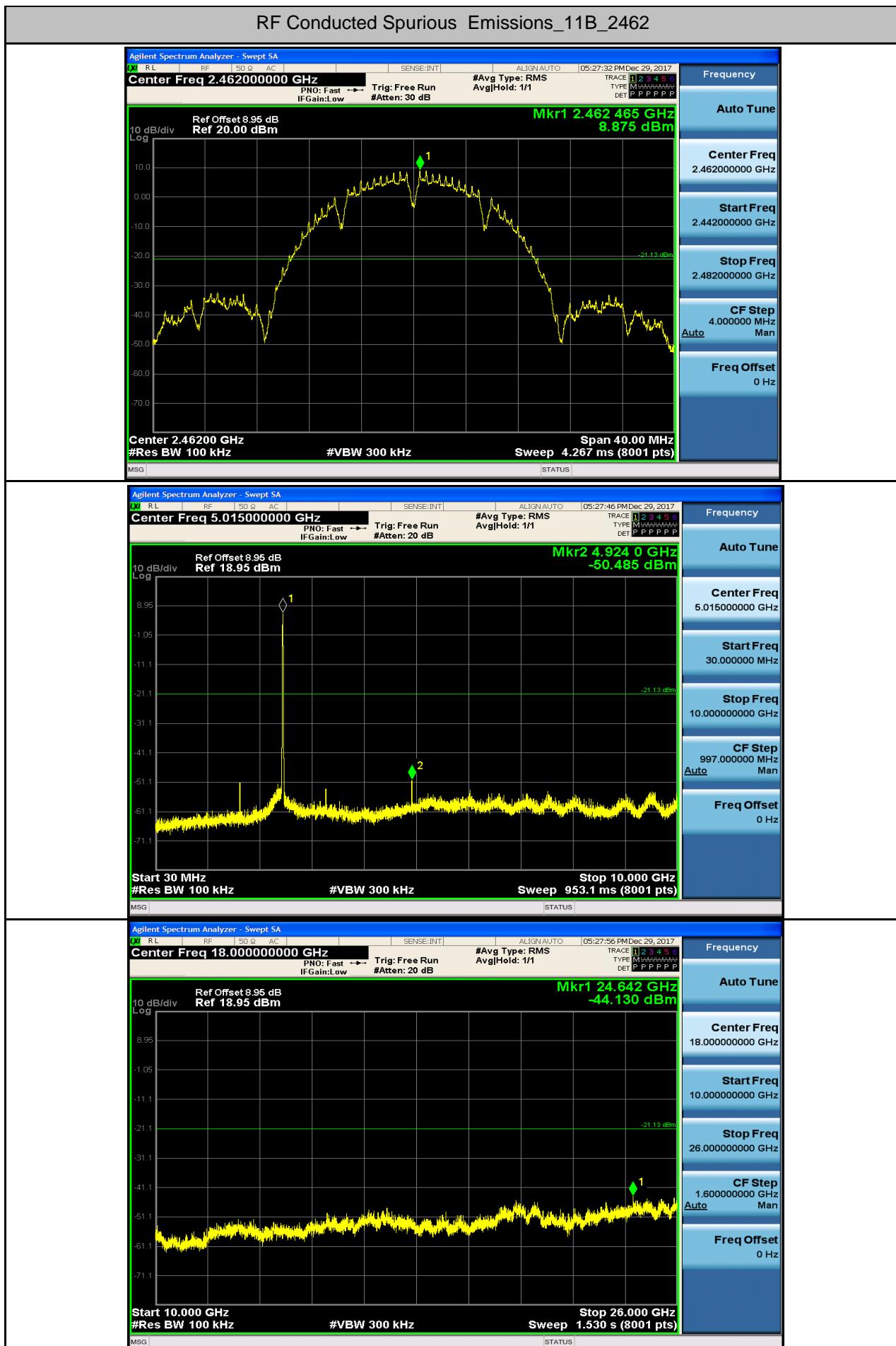


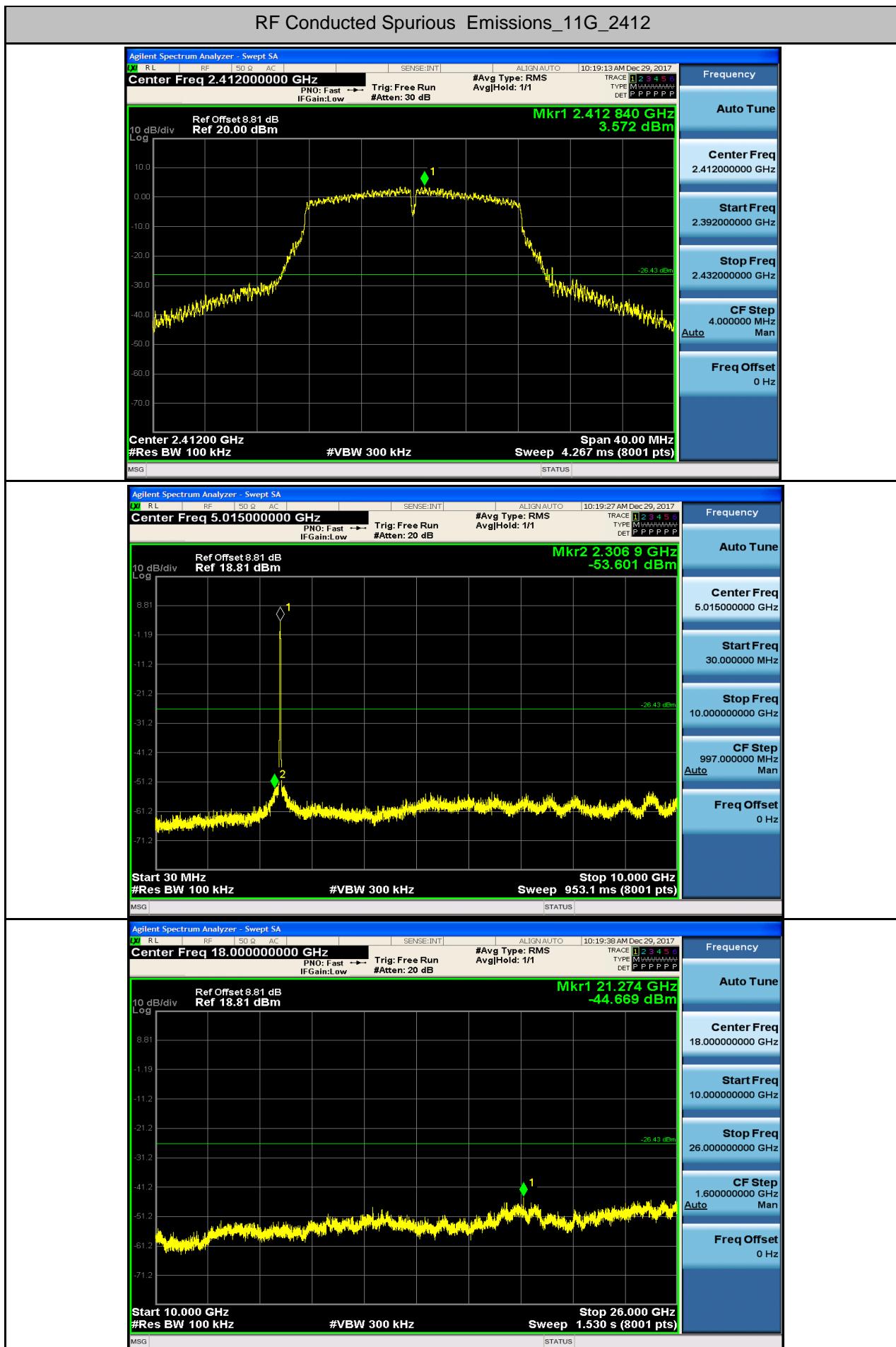
11N40SISO	2452	Ant1	10000	26000	100	300	-4.848	-44.645	< 34.848	PASS
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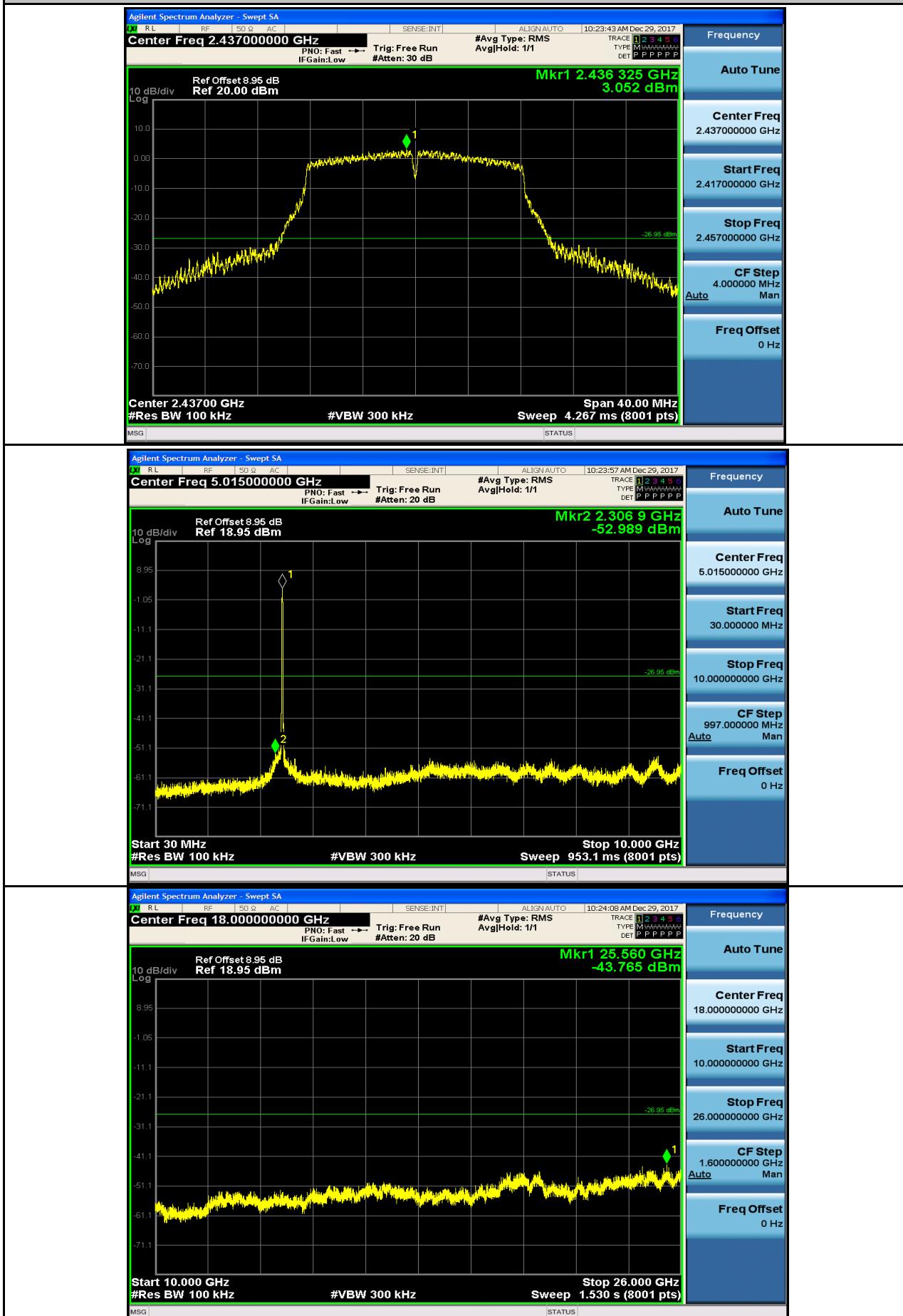
RF Conducted Spurious Emissions_11B_2437



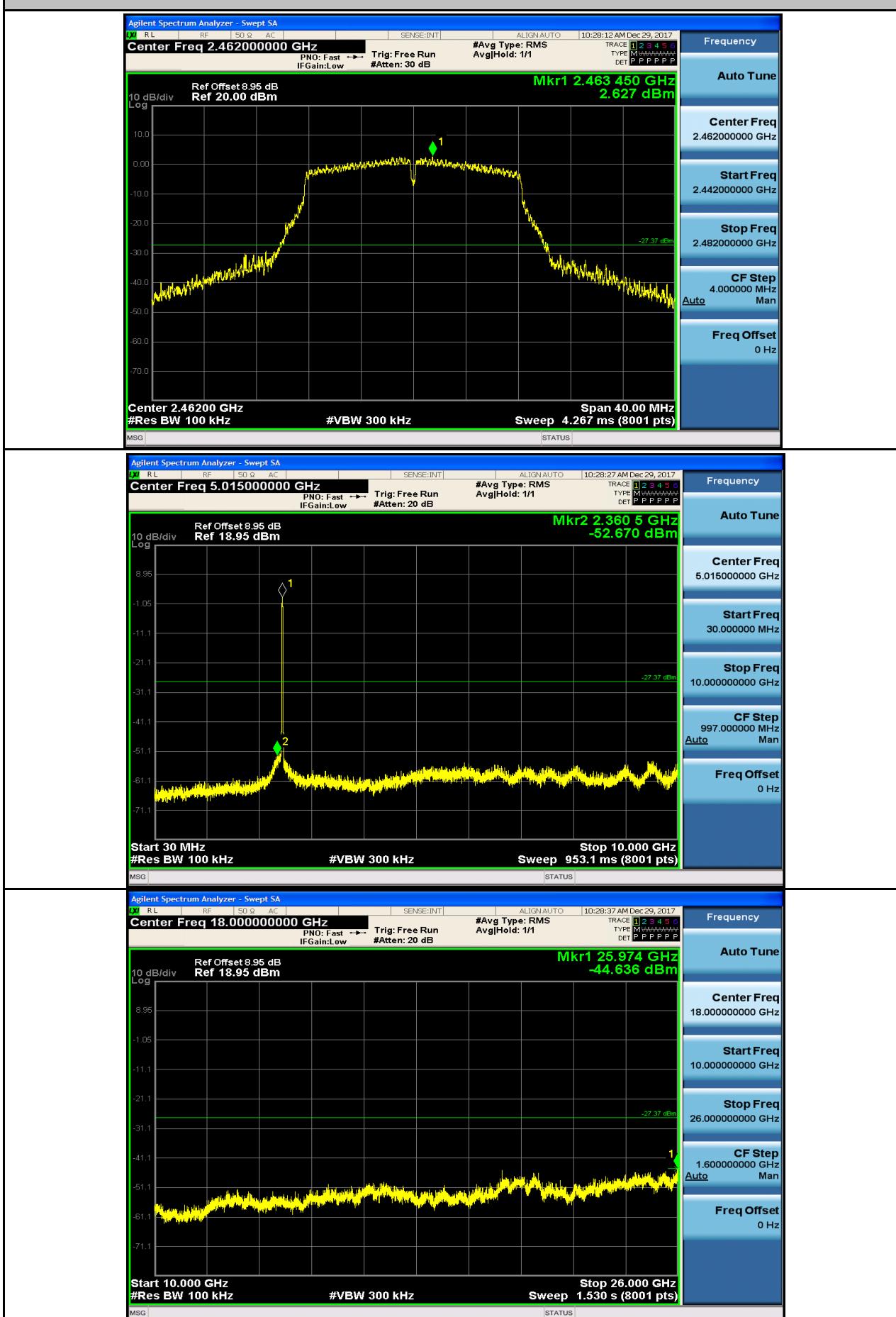


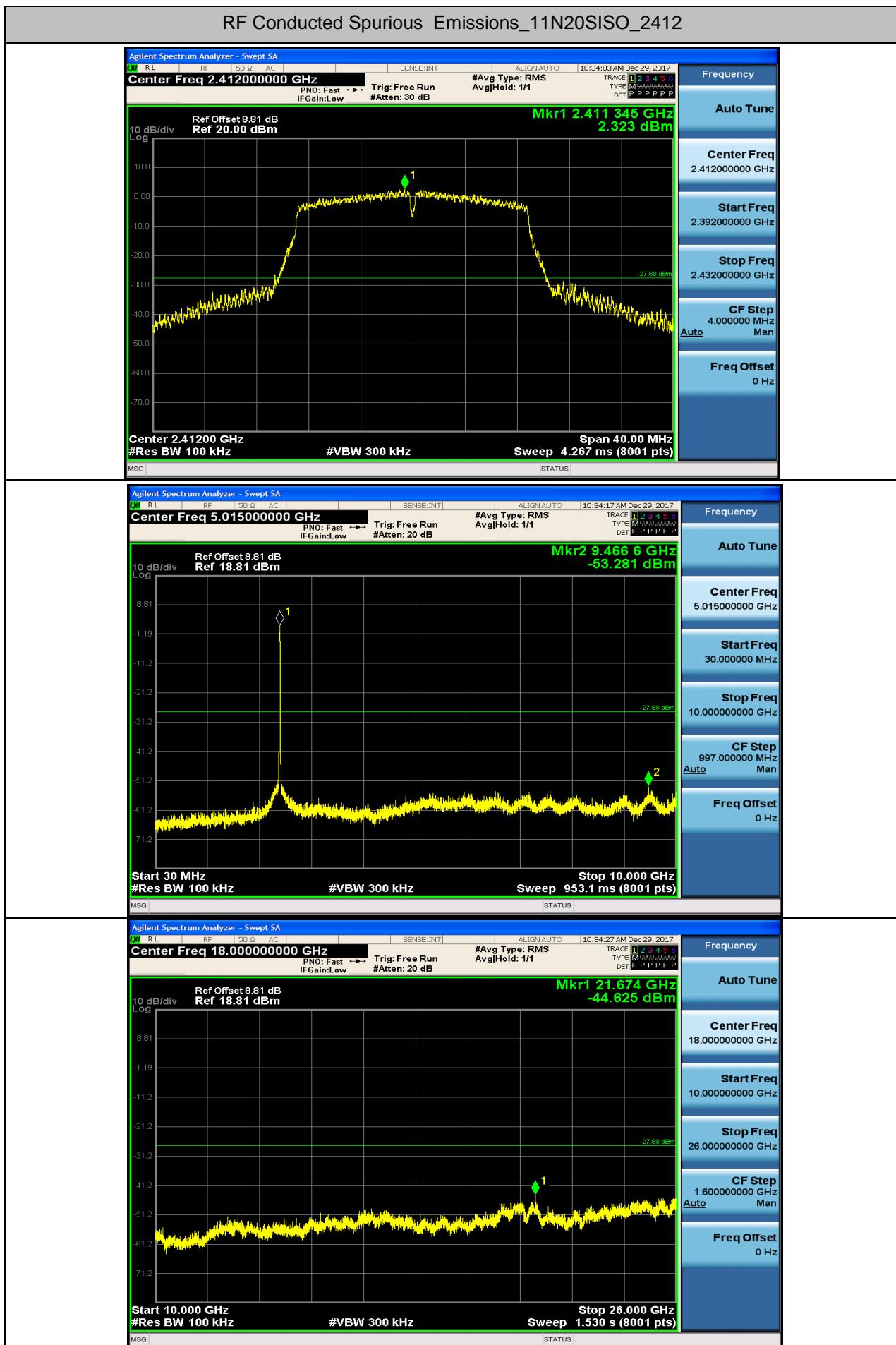


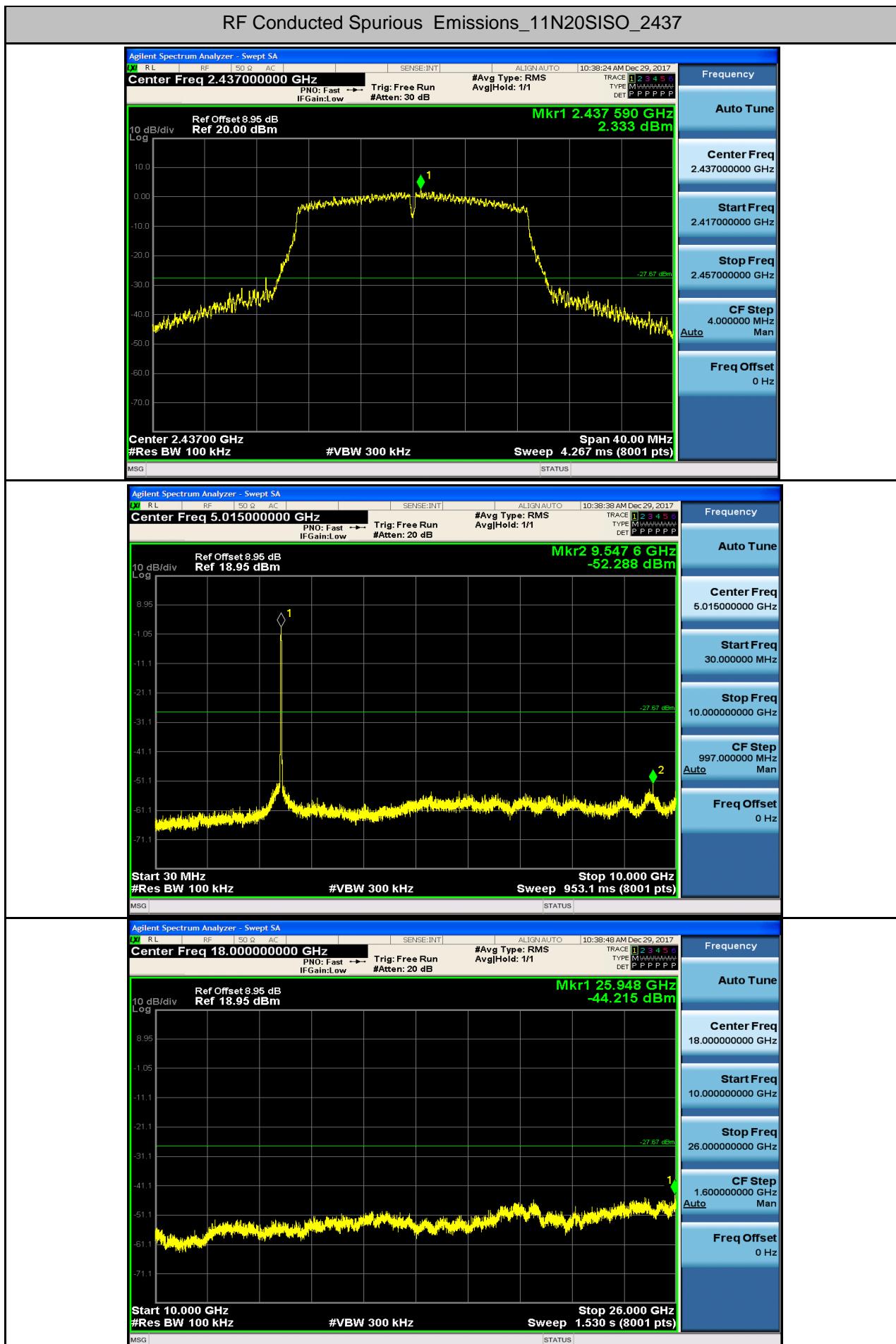
RF Conducted Spurious Emissions_11G_2437

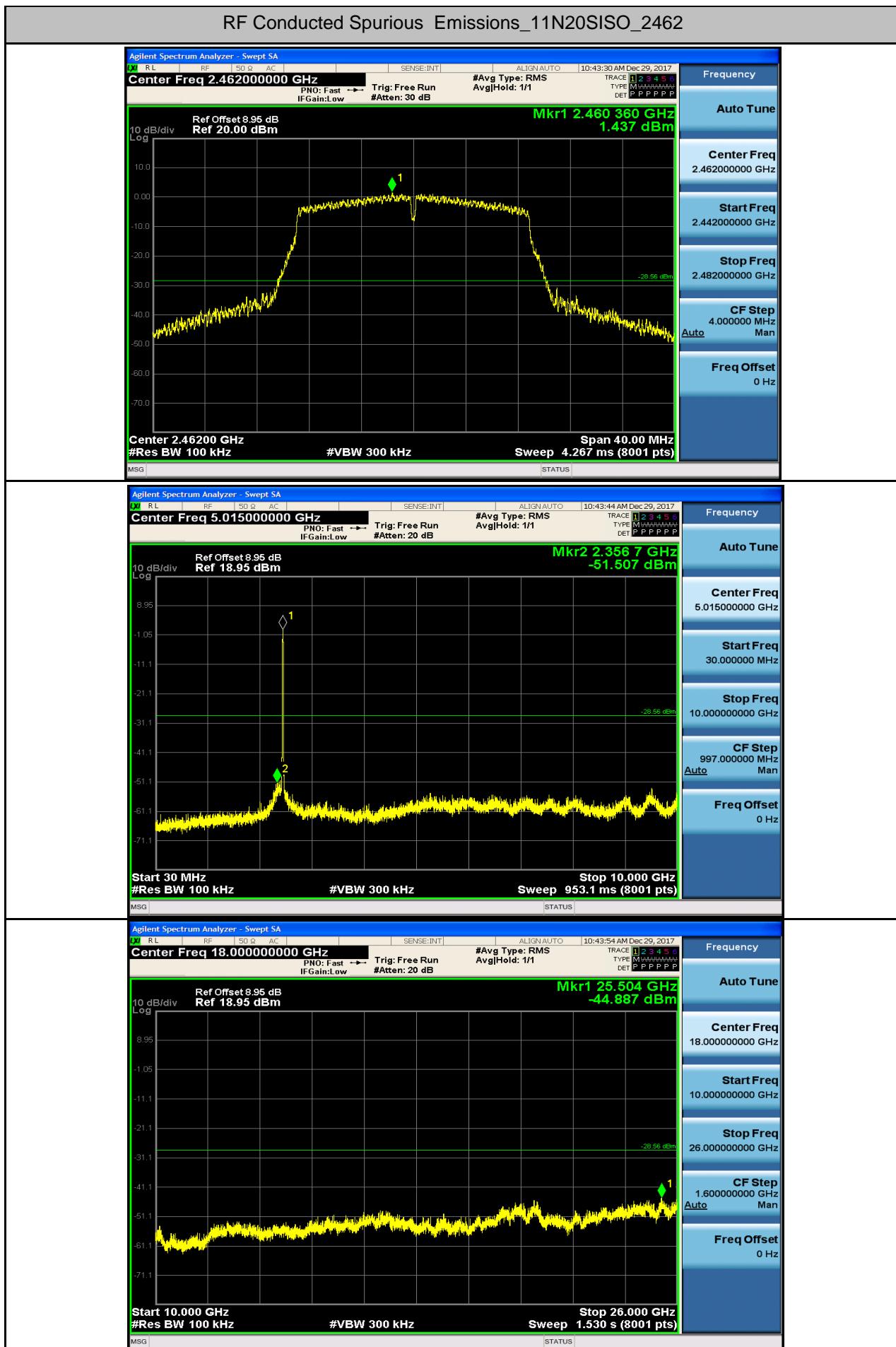


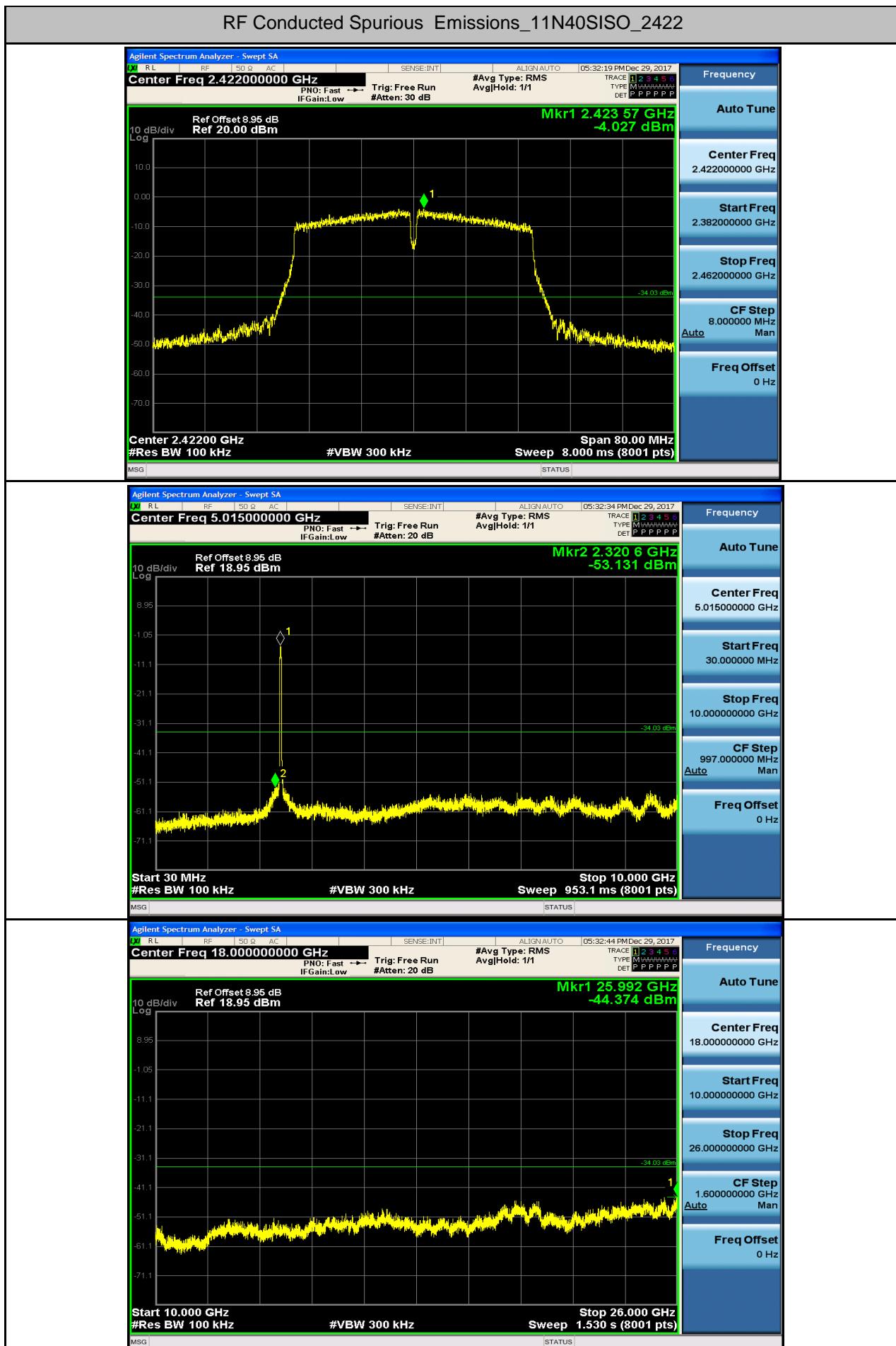
RF Conducted Spurious Emissions_11G_2462

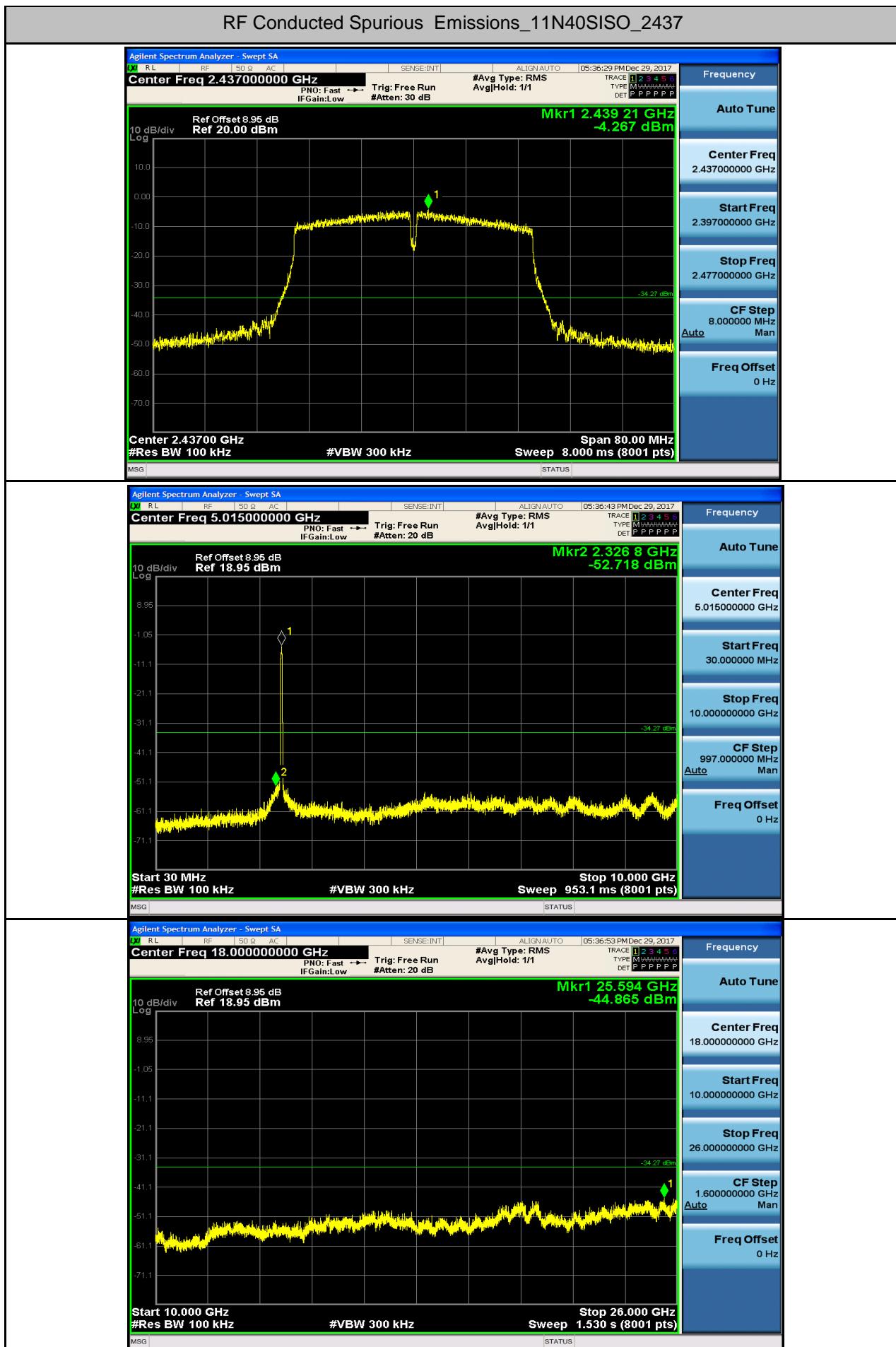


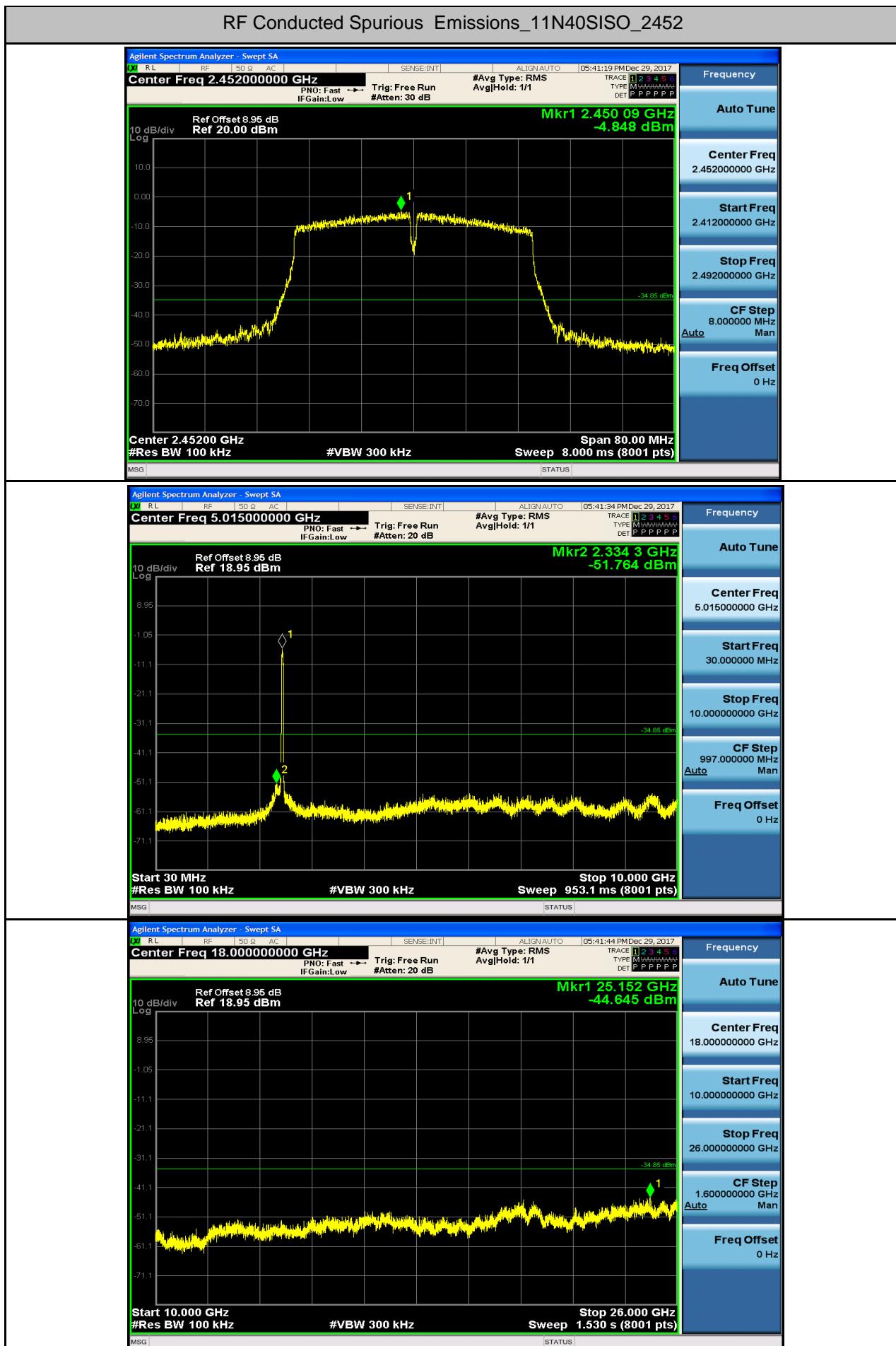










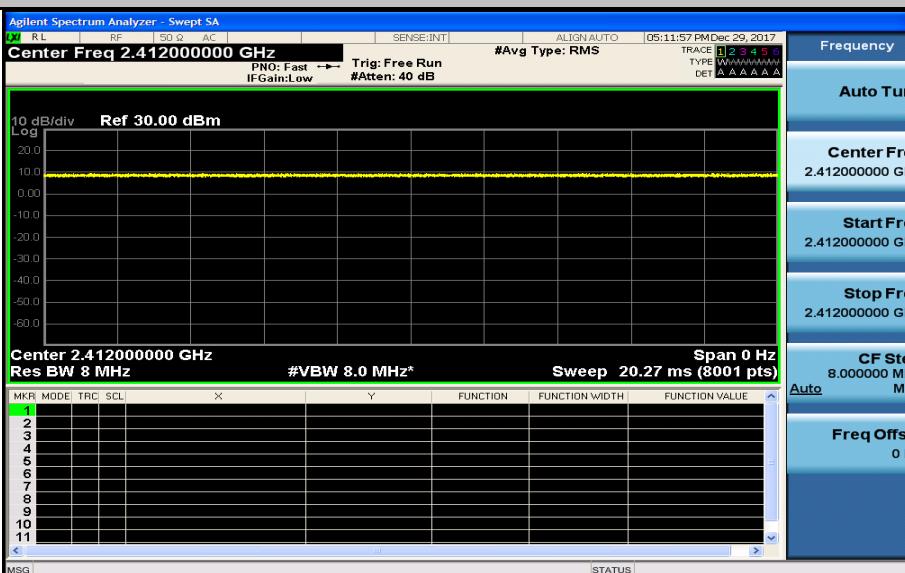




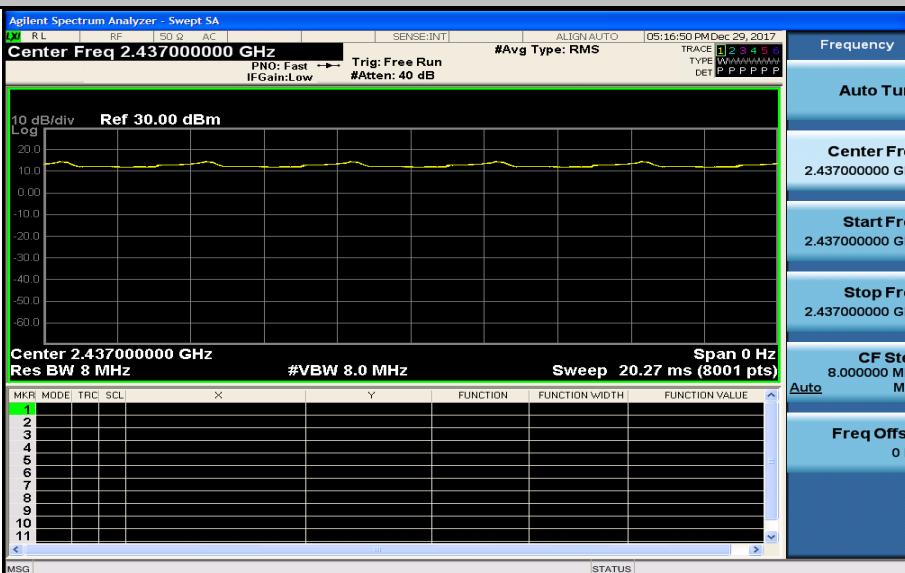
7.Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	100	0
11B	2437	Ant1	100	0
11B	2462	Ant1	100	0
11G	2412	Ant1	100	0
11G	2437	Ant1	100	0
11G	2462	Ant1	100	0
11N20SISO	2412	Ant1	100	0
11N20SISO	2437	Ant1	100	0
11N20SISO	2462	Ant1	100	0
11N40SISO	2422	Ant1	100	0
11N40SISO	2437	Ant1	100	0
11N40SISO	2452	Ant1	100	0

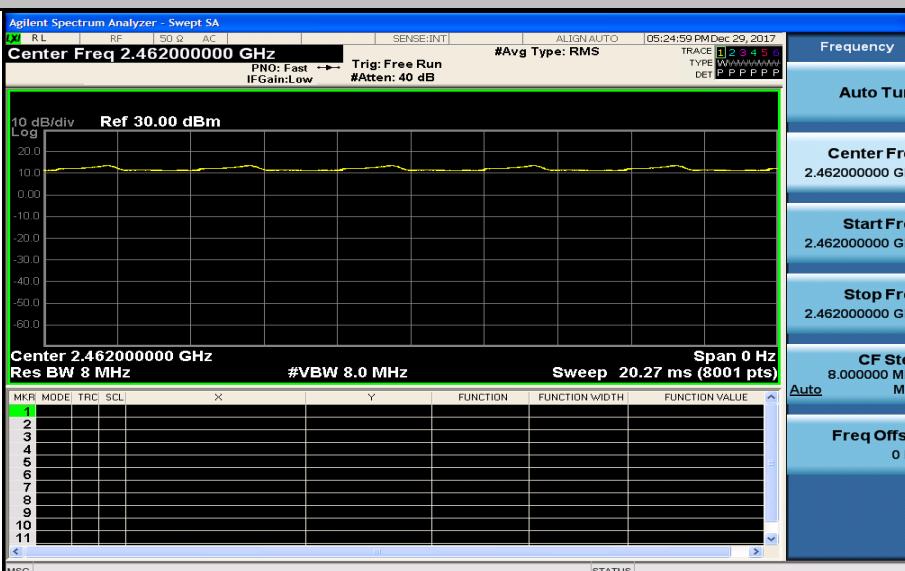
Duty Cycle_11B_2412_Ant1



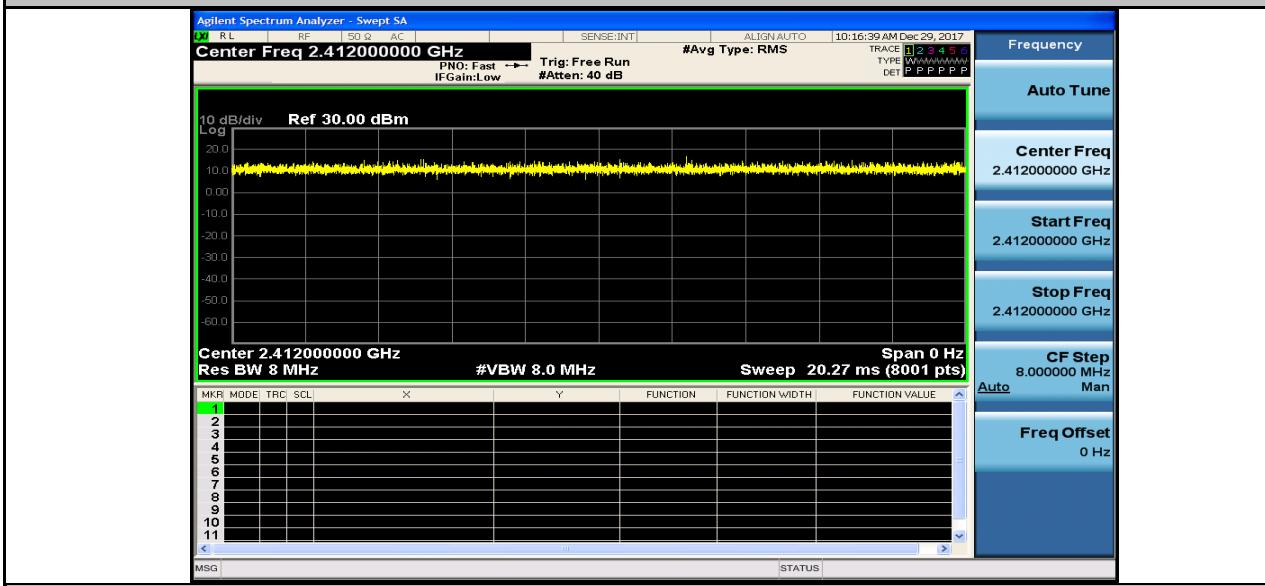
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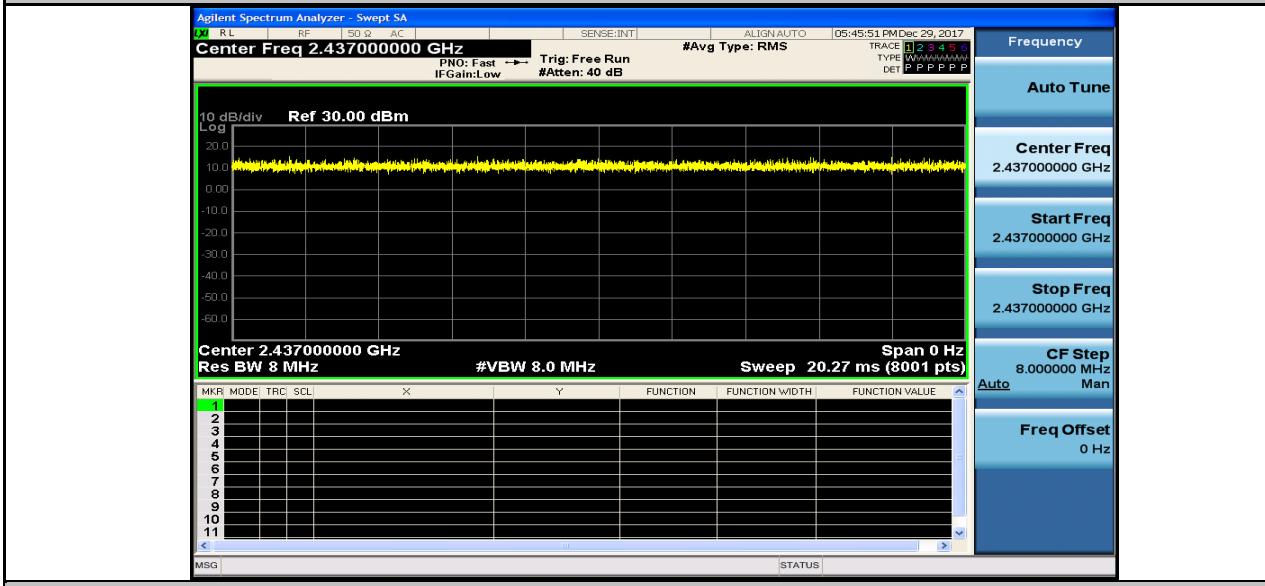
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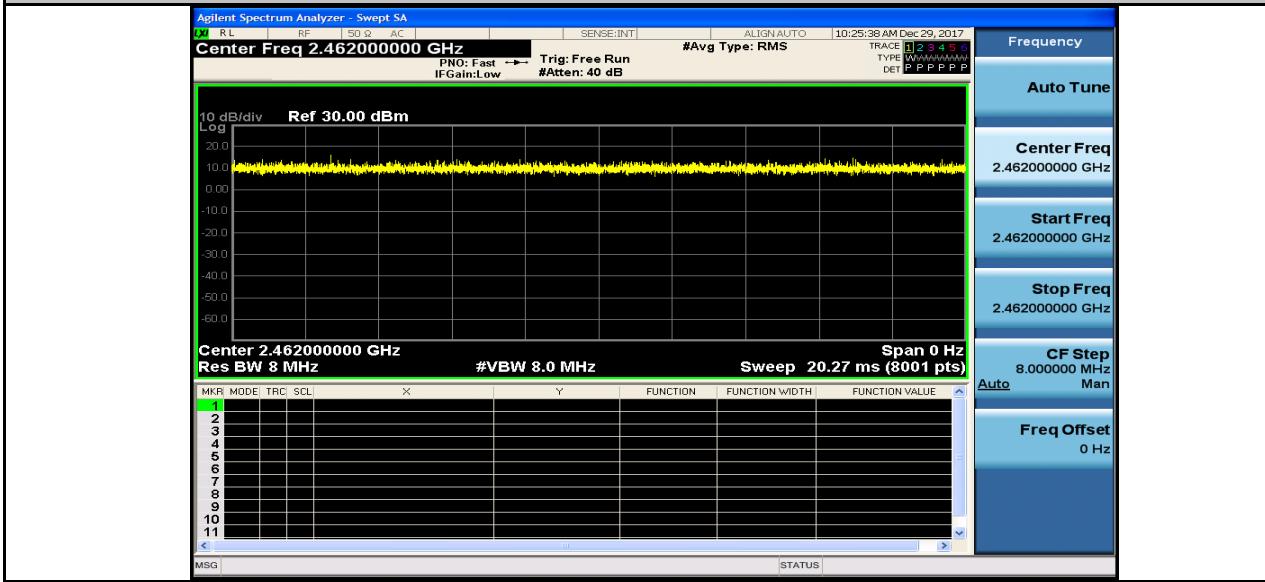
Duty Cycle_11G_2412_Ant1

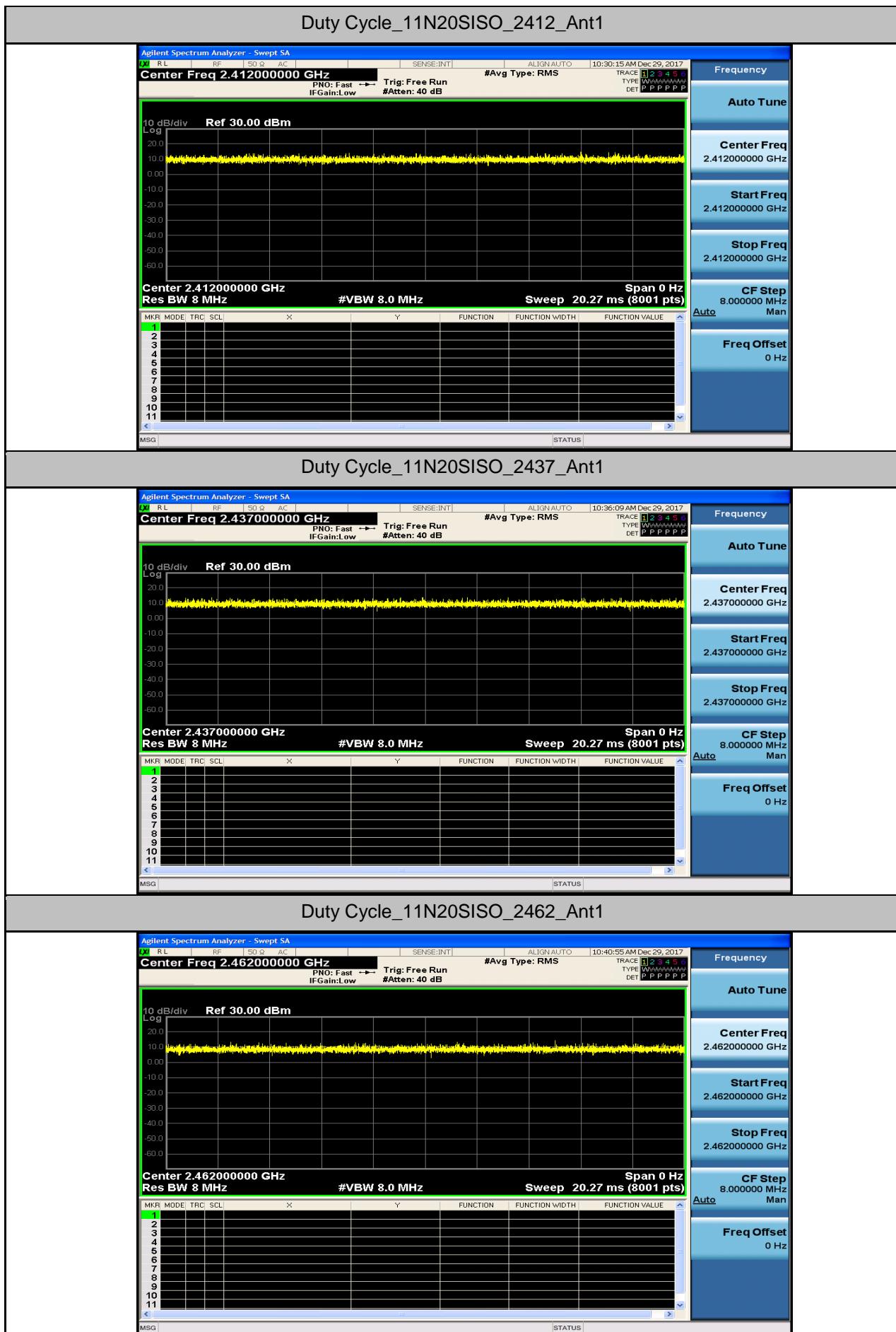


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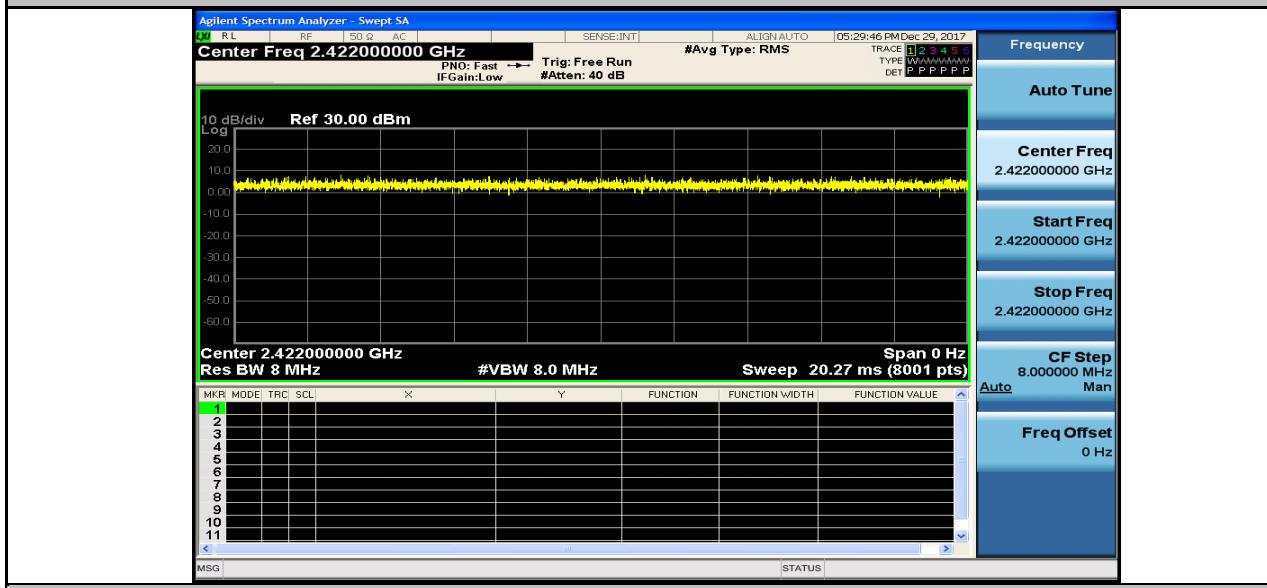


Duty Cycle_11G_2462_Ant1

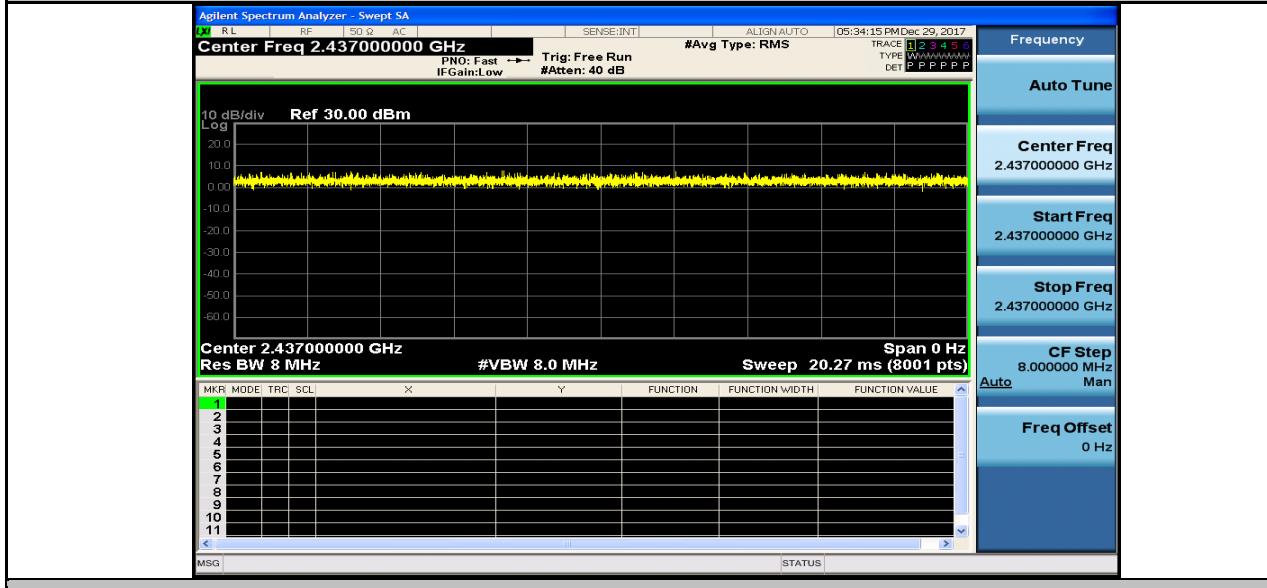




Duty Cycle_11N40SISO_2422_Ant1



Duty Cycle_11N40SISO_2437_Ant1



Duty Cycle_11N40SISO_2452_Ant1

