

Appendix A for SHEM201100997701

1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	9.10	0.5	PASS
11B	2437	Ant1	9.09	0.5	PASS
11B	2462	Ant1	9.09	0.5	PASS
11G	2412	Ant1	16.55	0.5	PASS
11G	2437	Ant1	16.54	0.5	PASS
11G	2462	Ant1	16.55	0.5	PASS
11N20SISO	2412	Ant1	17.79	0.5	PASS
11N20SISO	2437	Ant1	17.79	0.5	PASS
11N20SISO	2462	Ant1	17.78	0.5	PASS



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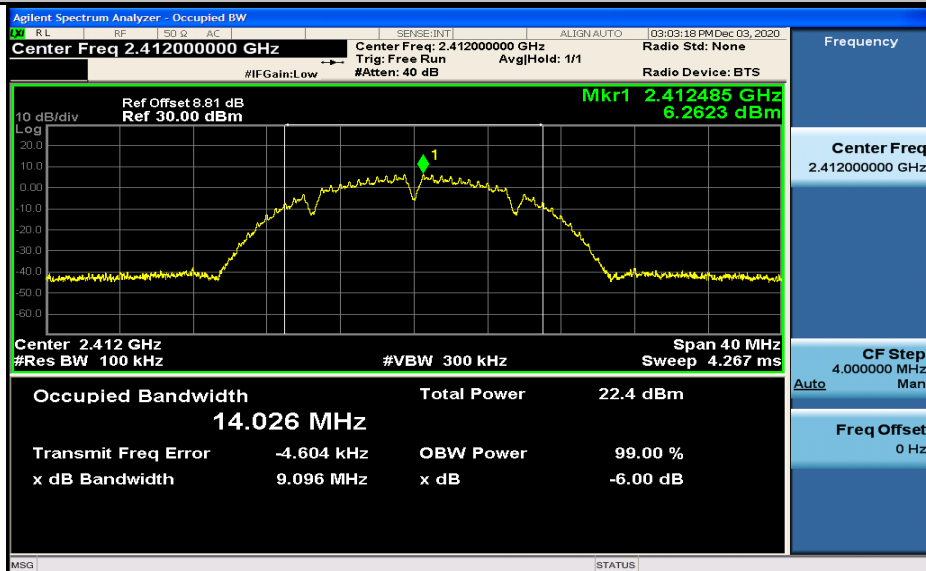
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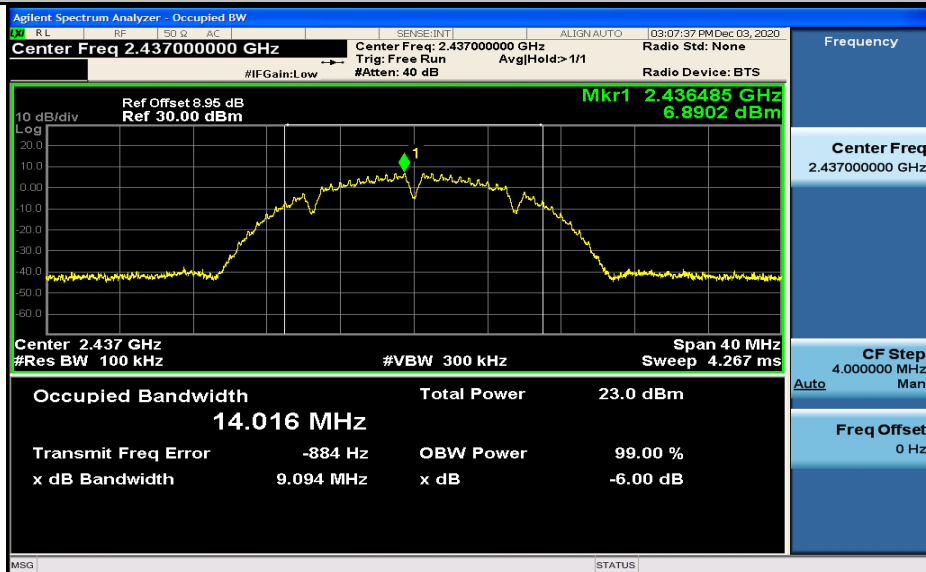
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6dB Bandwidth_11B_2412_Ant1



6dB Bandwidth_11B_2437_Ant1



6dB Bandwidth_11B_2462_Ant1



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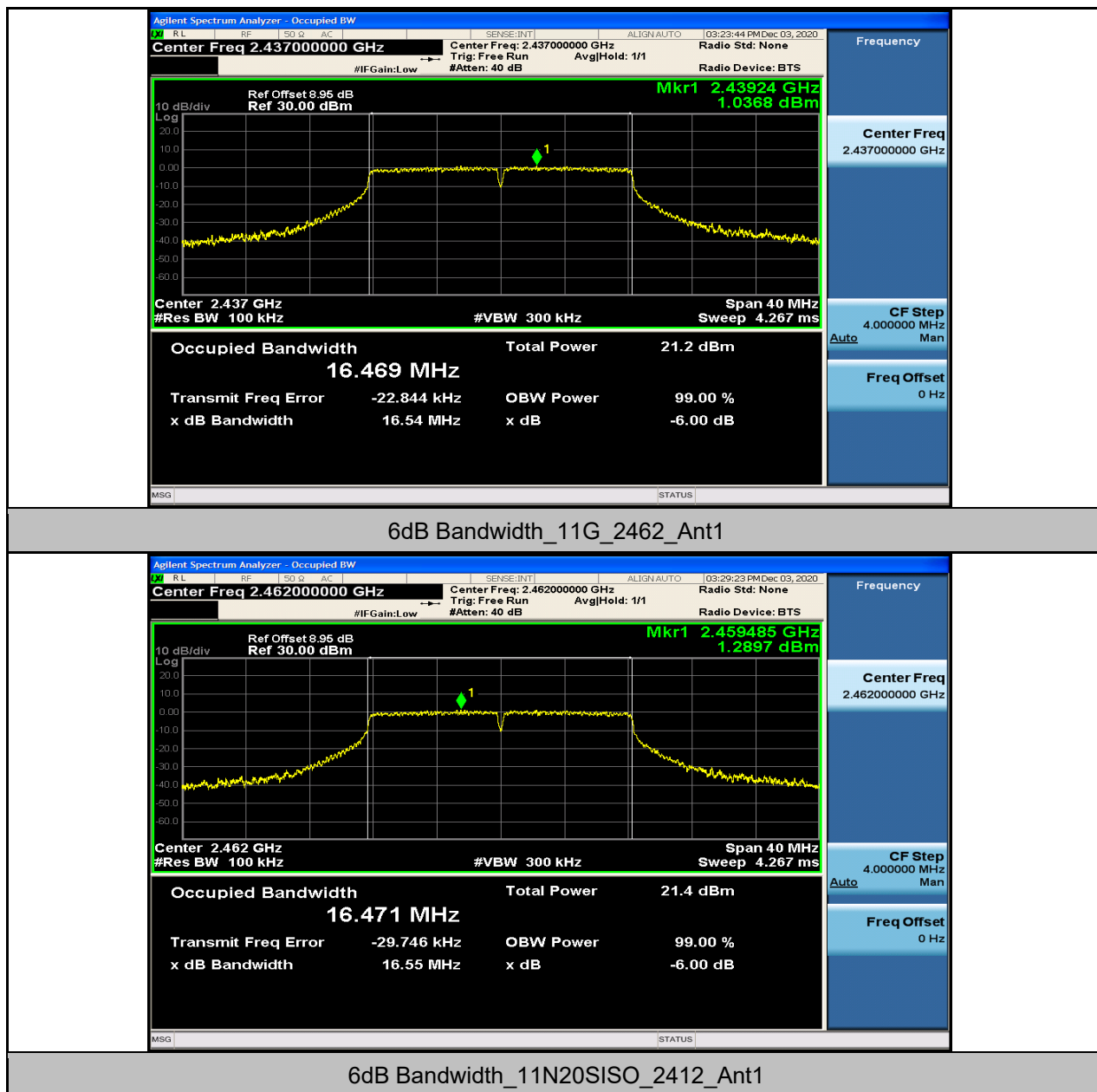


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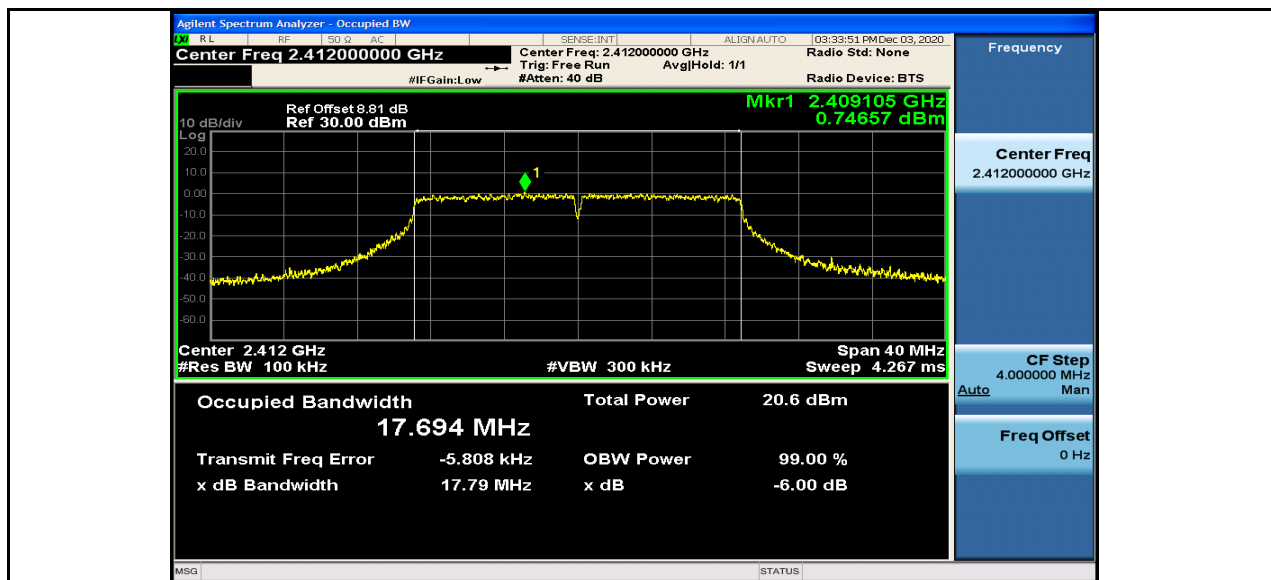


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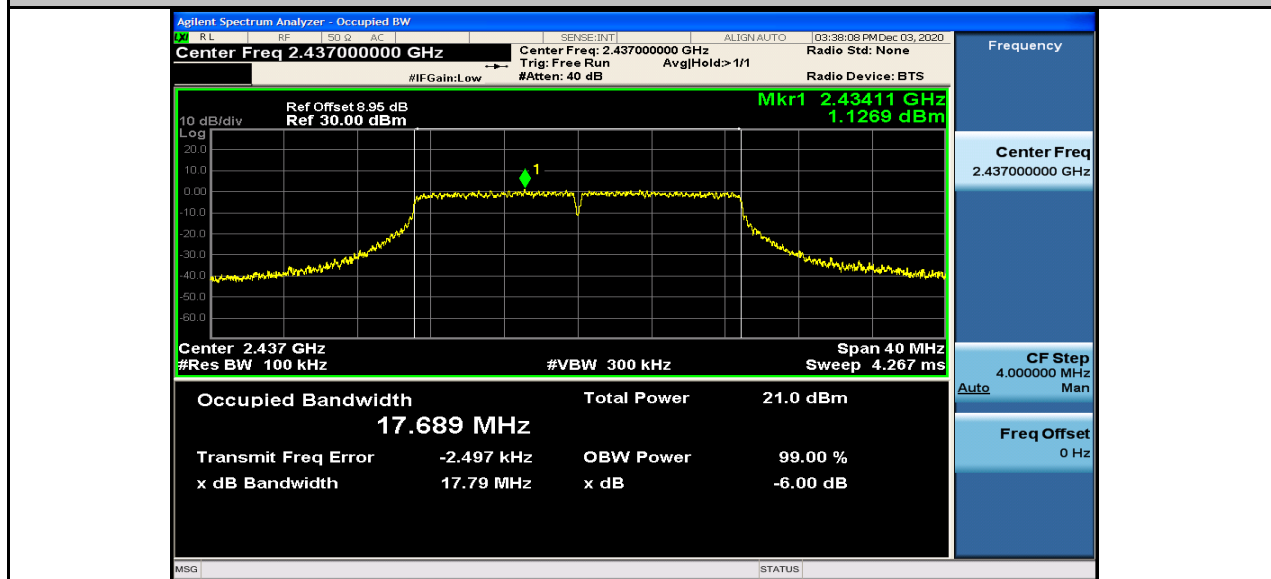
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6dB Bandwidth_11N20SISO_2437_Ant1



6dB Bandwidth_11N20SISO_2462_Ant1

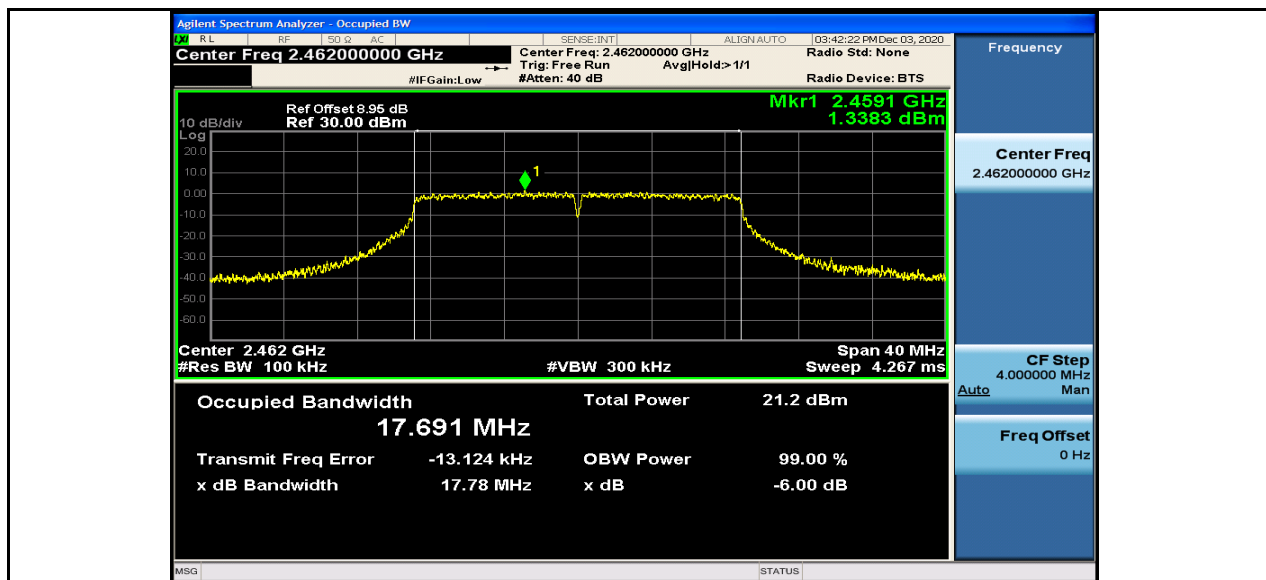


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2.Occupied Bandwidth

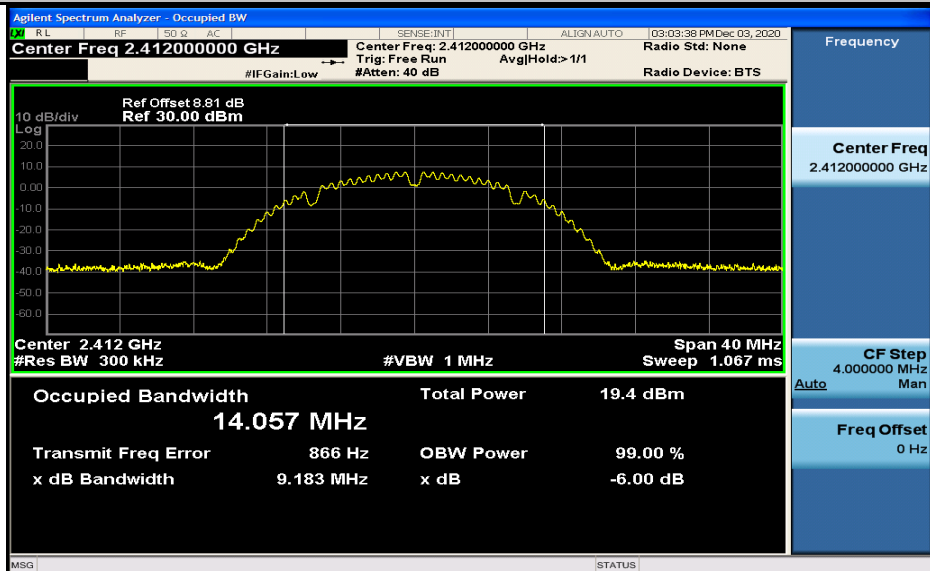
Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	14.06	---	PASS
11B	2437	Ant1	14.05	---	PASS
11B	2462	Ant1	14.05	---	PASS
11G	2412	Ant1	16.82	---	PASS
11G	2437	Ant1	16.85	---	PASS
11G	2462	Ant1	16.83	---	PASS
11N20SISO	2412	Ant1	17.96	---	PASS
11N20SISO	2437	Ant1	17.96	---	PASS
11N20SISO	2462	Ant1	17.95	---	PASS



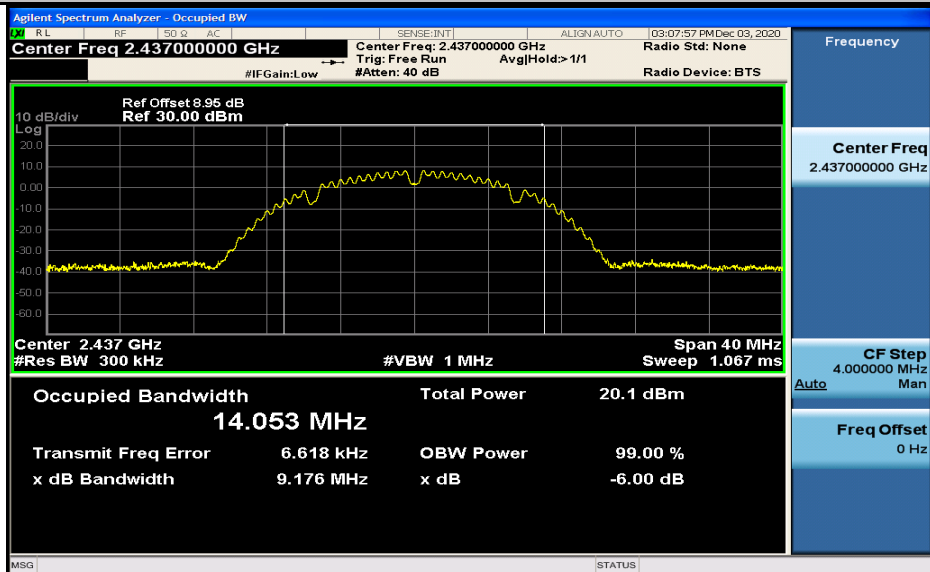
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Occupied Bandwidth_11B_2412



Occupied Bandwidth_11B_2437



Occupied Bandwidth_11B_2462

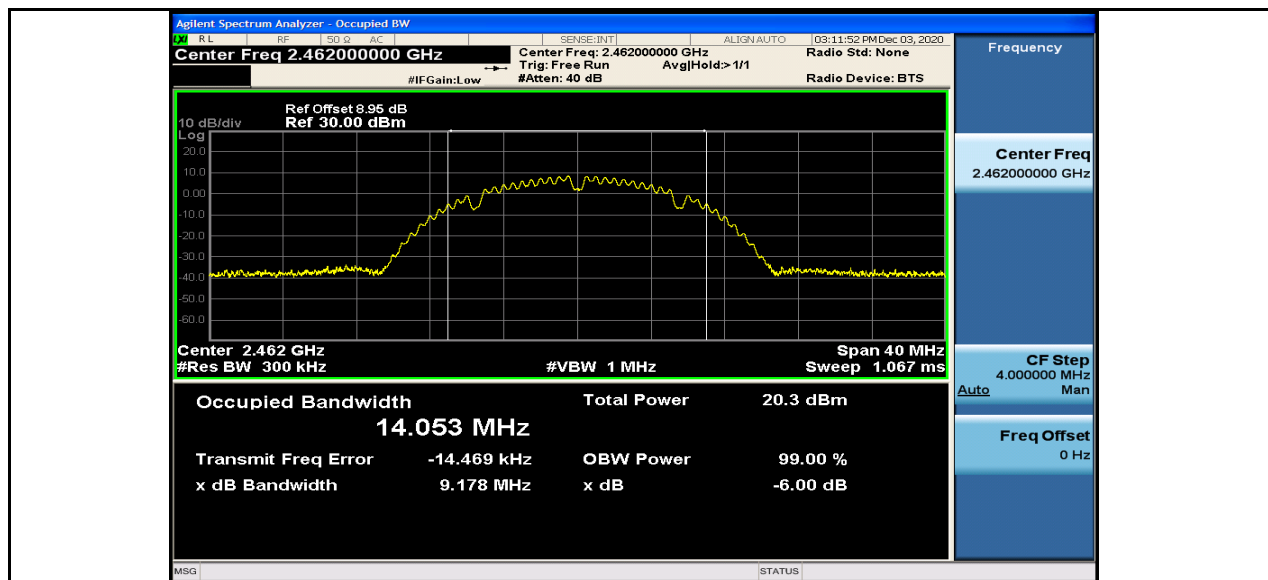


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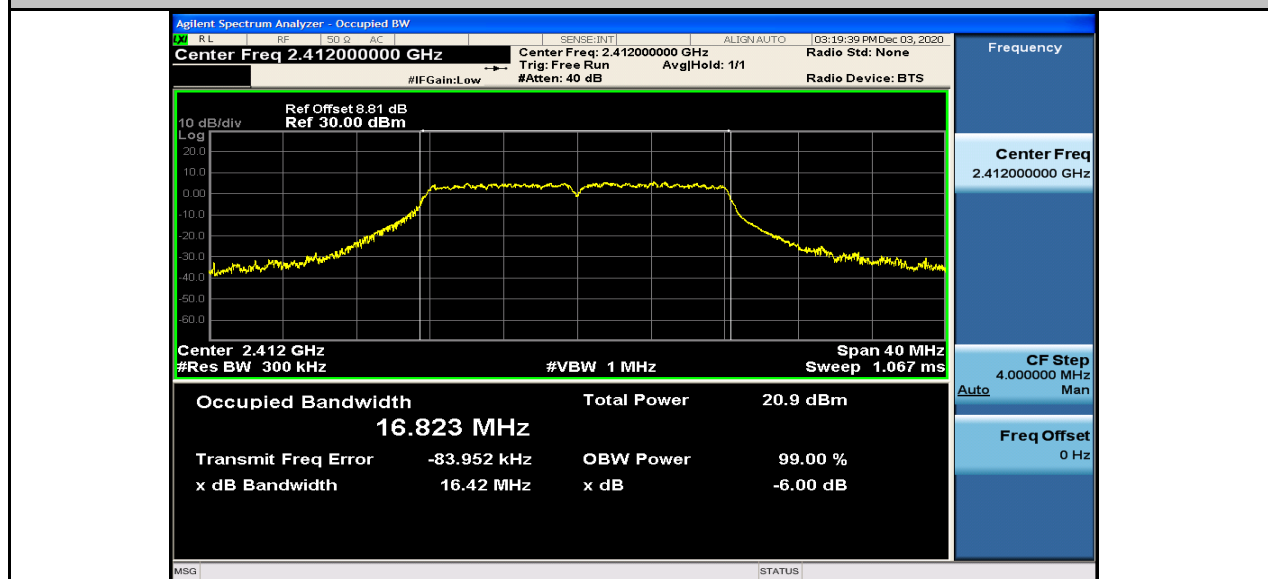
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Occupied Bandwidth_11G_2412



Occupied Bandwidth_11G_2437

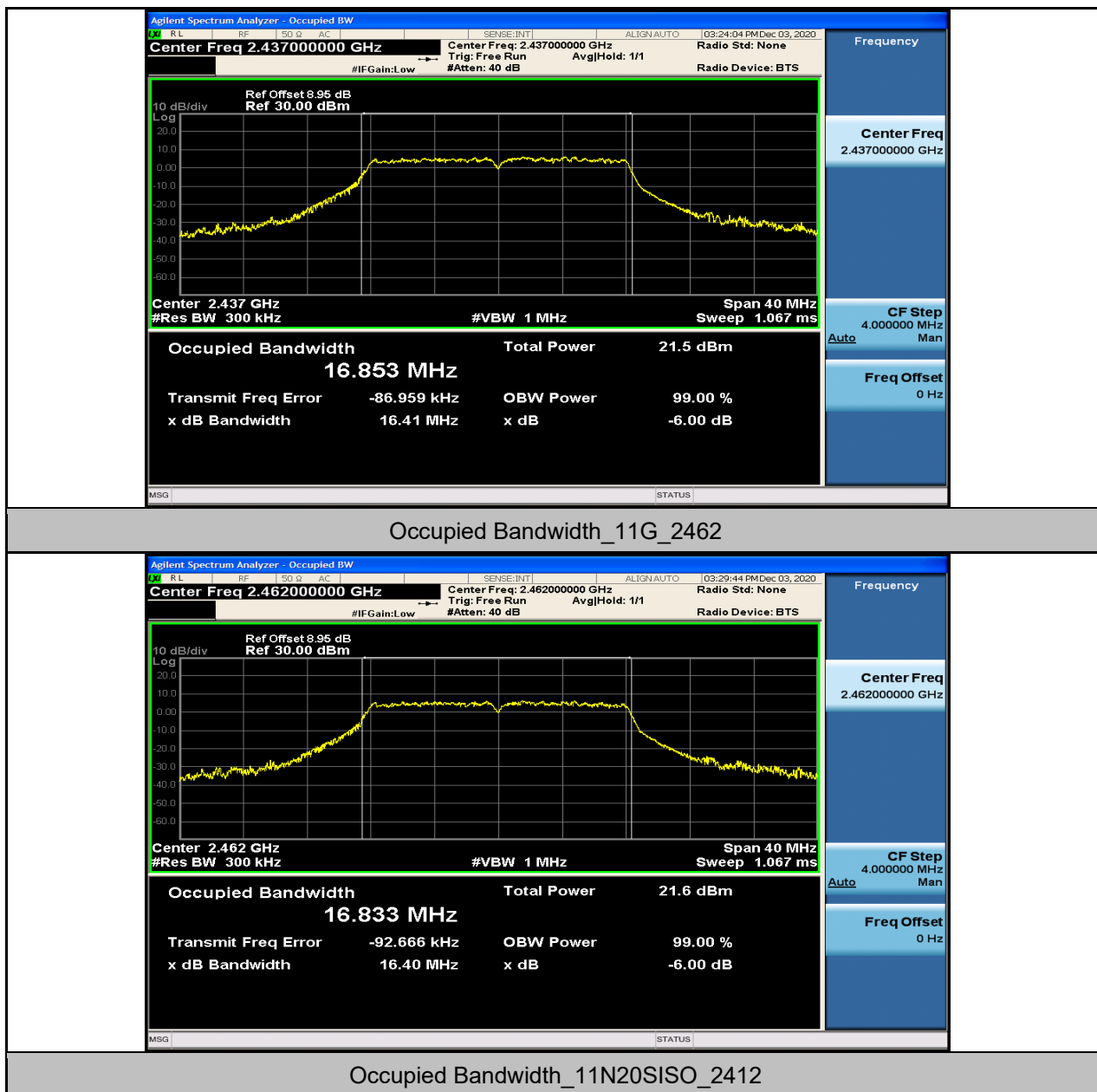


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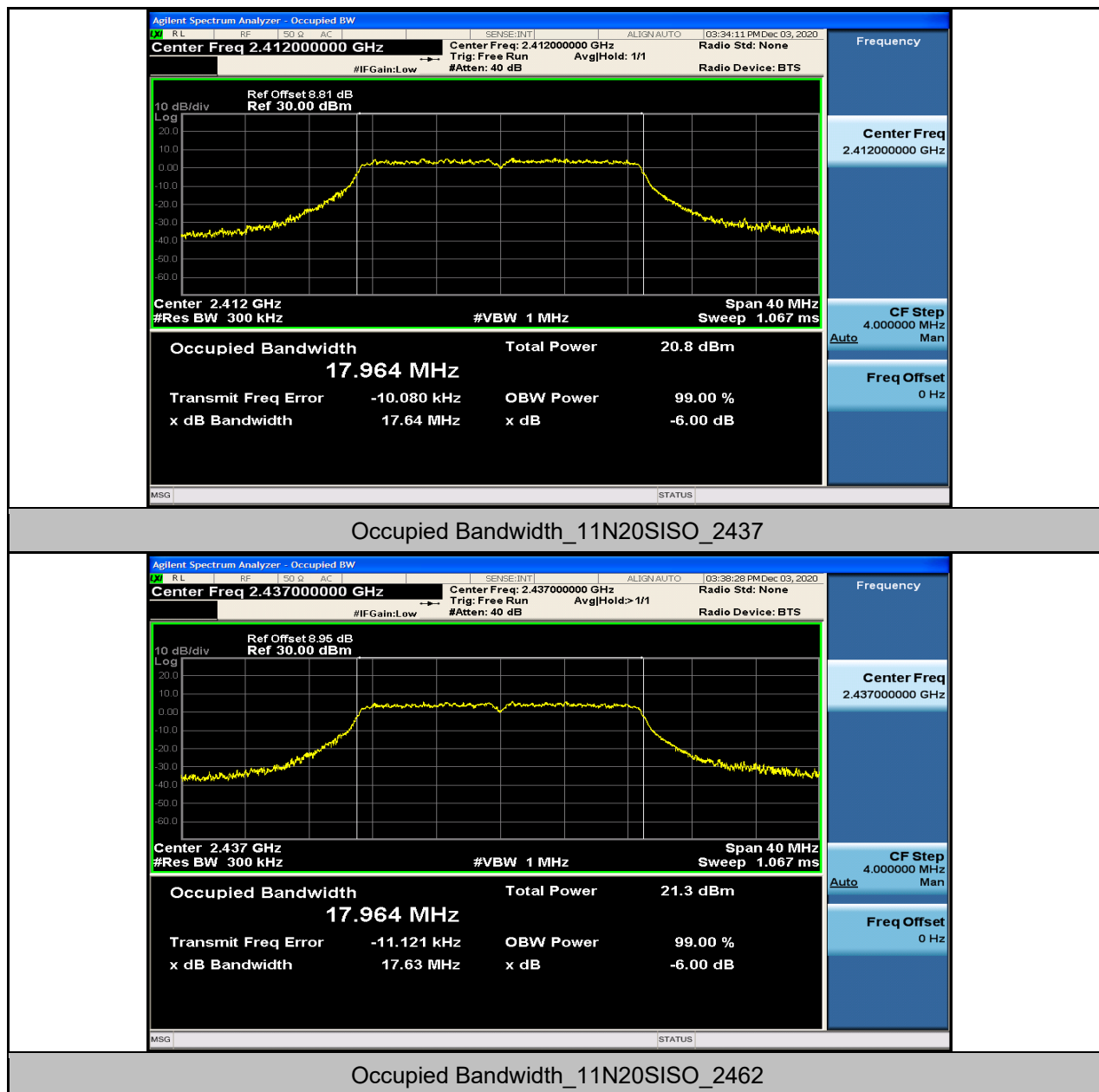


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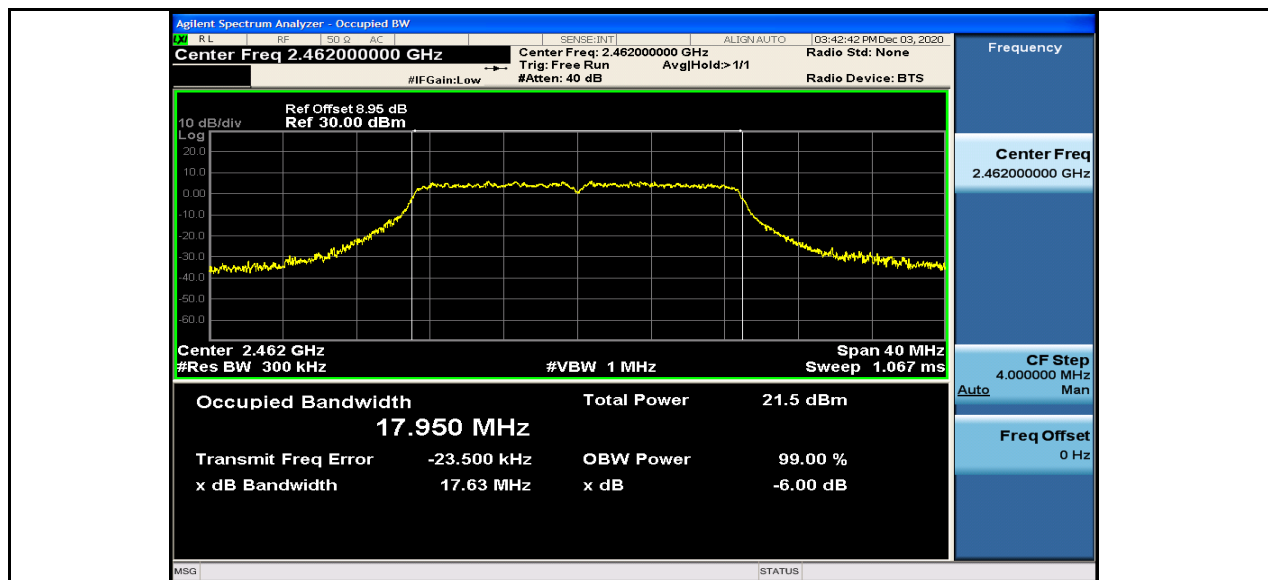


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3.Maximum conducted (average) output power

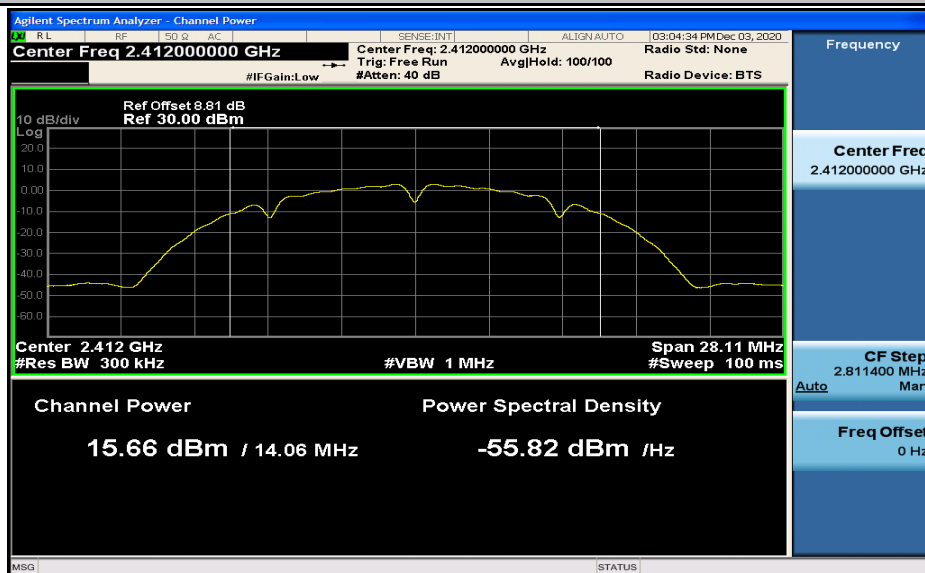
Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	15.66	0.00	15.66	30	PASS
11B	2437	Ant1	16.27	0.00	16.27	30	PASS
11B	2462	Ant1	16.47	0.00	16.47	30	PASS
11G	2412	Ant1	14.51	0.00	14.51	30	PASS
11G	2437	Ant1	15.08	0.00	15.08	30	PASS
11G	2462	Ant1	15.24	0.00	15.24	30	PASS
11N20SISO	2412	Ant1	14.47	0.00	14.47	30	PASS
11N20SISO	2437	Ant1	15.01	0.00	15.01	30	PASS
11N20SISO	2462	Ant1	15.19	0.00	15.19	30	PASS



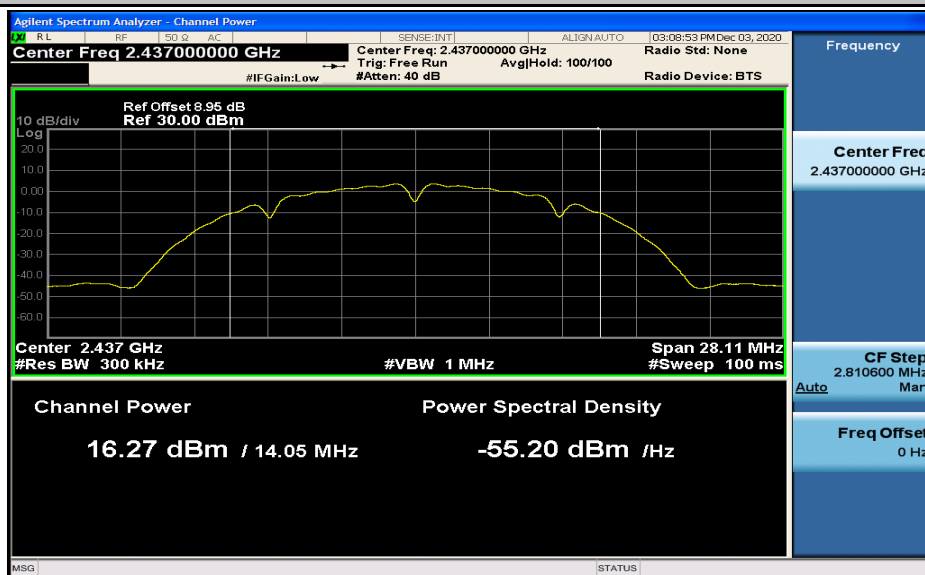
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Maximum conducted (average) output power_11B_2412_Ant1



Maximum conducted (average) output power_11B_2437_Ant1



Maximum conducted (average) output power_11B_2462_Ant1

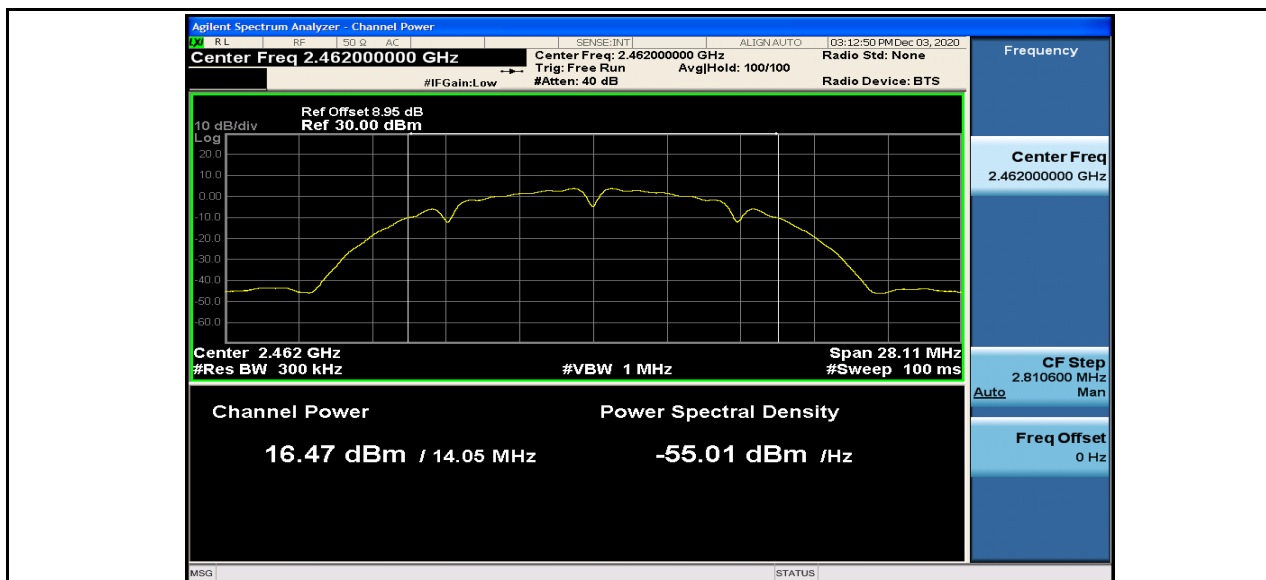


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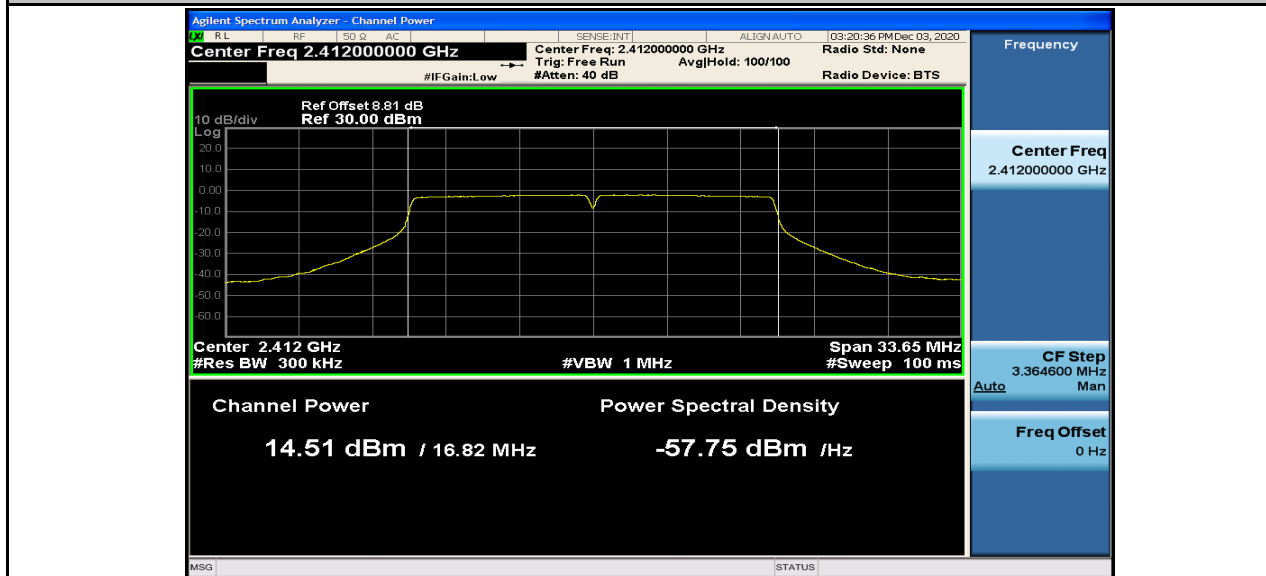
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Maximum conducted (average) output power_11G_2412_Ant1



Maximum conducted (average) output power_11G_2437_Ant1

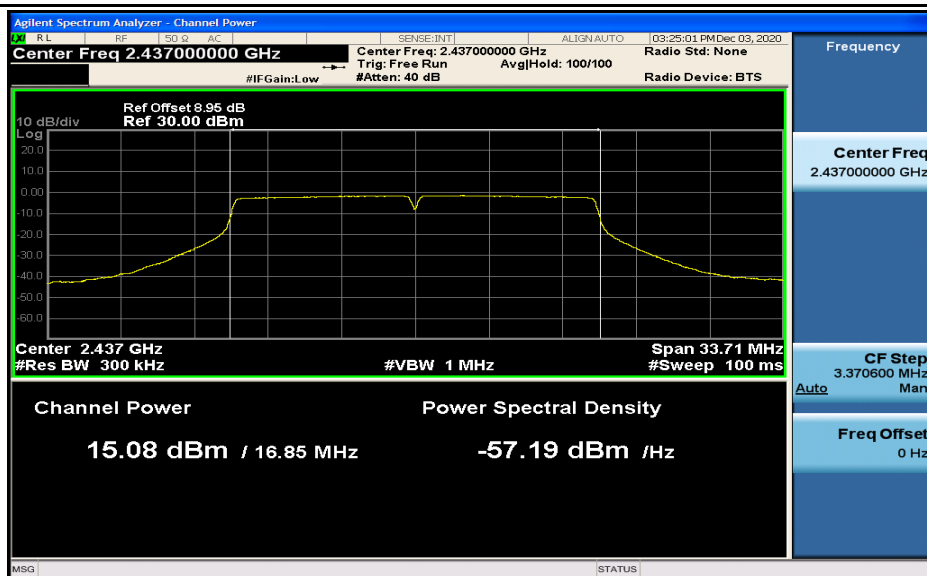


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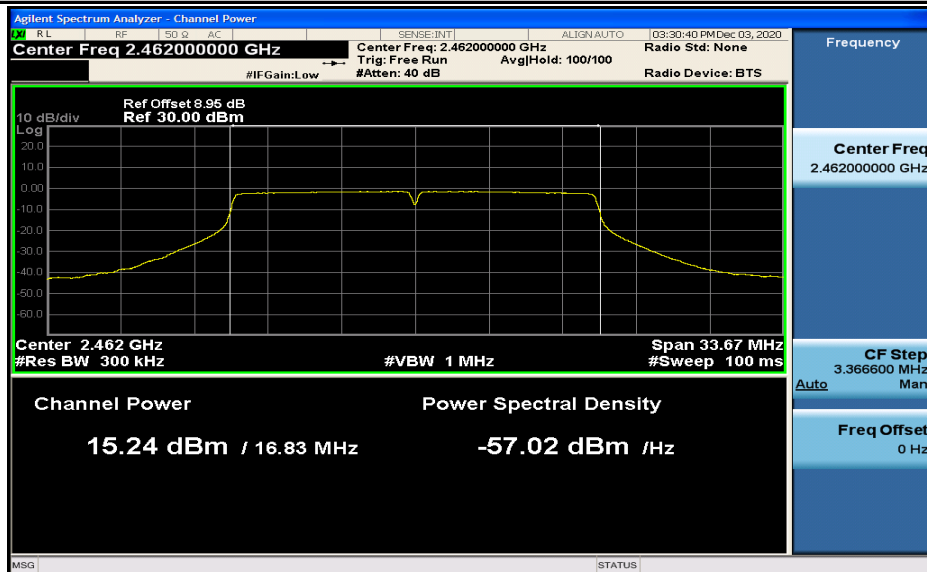
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Maximum conducted (average) output power_11G_2462_Ant1



Maximum conducted (average) output power_11N20SISO_2412_Ant1

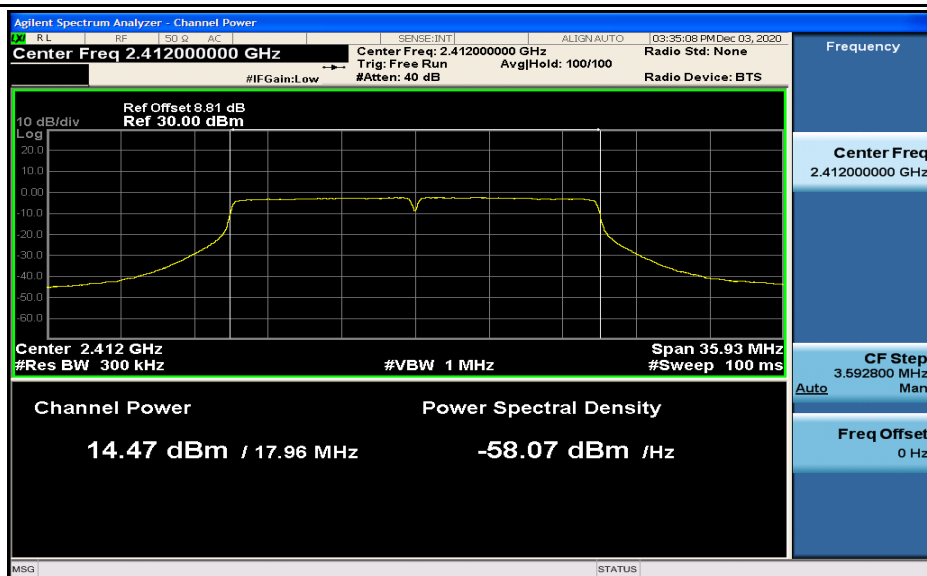


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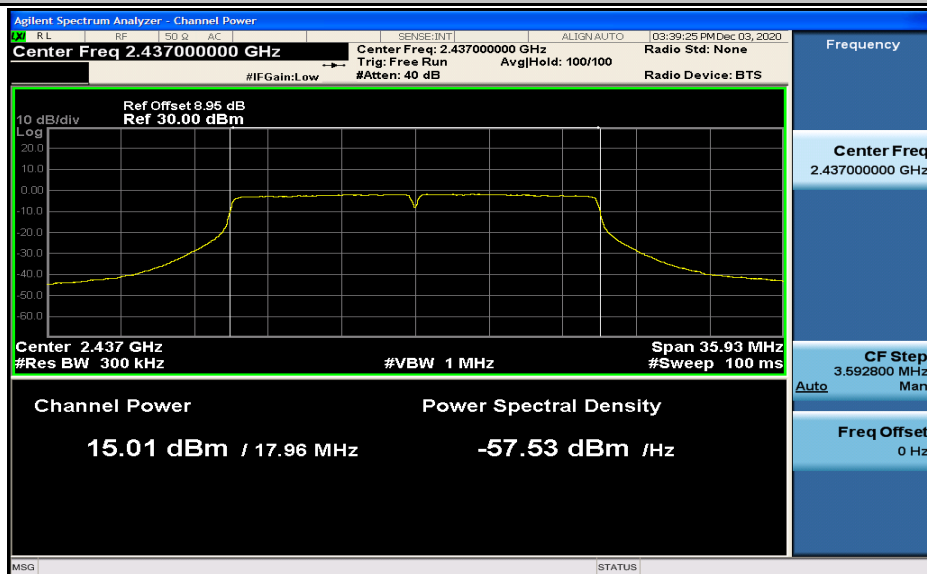
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Maximum conducted (average) output power_11N20SISO_2437_Ant1



Maximum conducted (average) output power_11N20SISO_2462_Ant1

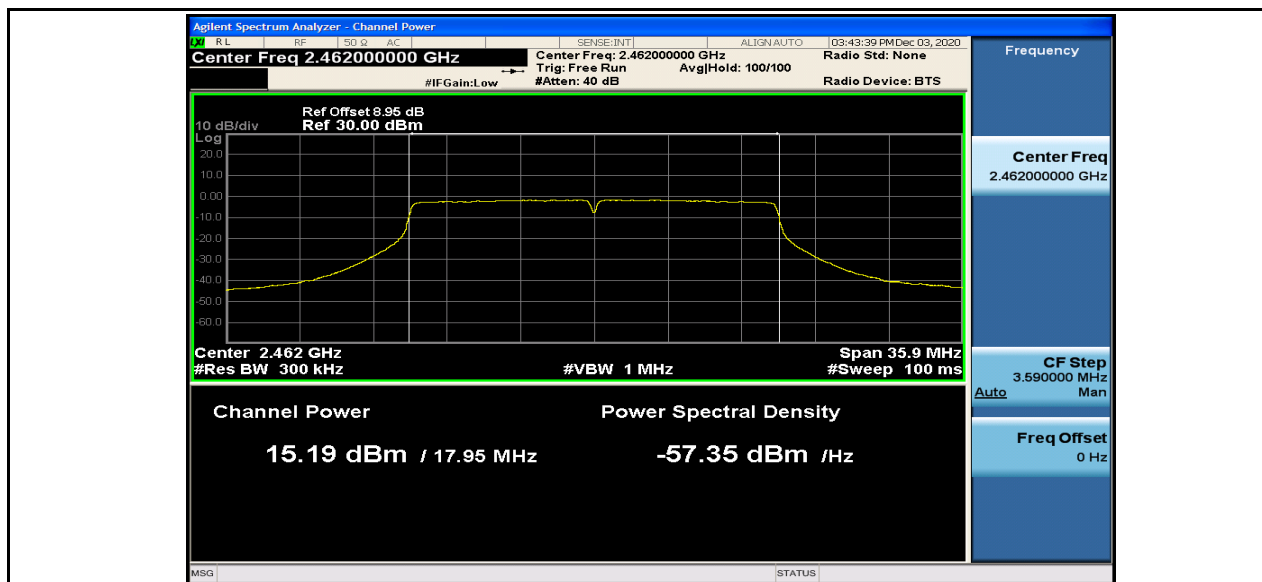


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4. Maximum(average) power spectral density

Test Mode	Test Channel	Ant	Level [dBm/3kHz]	10log(1/x) Factor[dB]	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-16.61	0.00	-16.61	8.00	PASS
11B	2437	Ant1	-16.01	0.00	-16.01	8.00	PASS
11B	2462	Ant1	-15.81	0.00	-15.81	8.00	PASS
11G	2412	Ant1	-19.87	0.00	-19.87	8.00	PASS
11G	2437	Ant1	-19.31	0.00	-19.31	8.00	PASS
11G	2462	Ant1	-19.16	0.00	-19.16	8.00	PASS
11N20SISO	2412	Ant1	-20.14	0.00	-20.14	8.00	PASS
11N20SISO	2437	Ant1	-19.56	0.00	-19.56	8.00	PASS
11N20SISO	2462	Ant1	-19.36	0.00	-19.36	8.00	PASS



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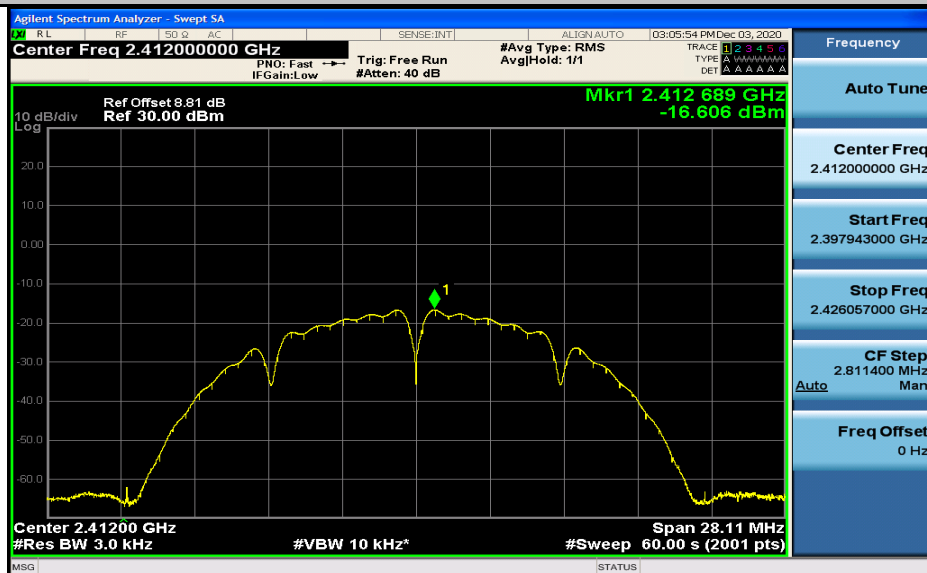
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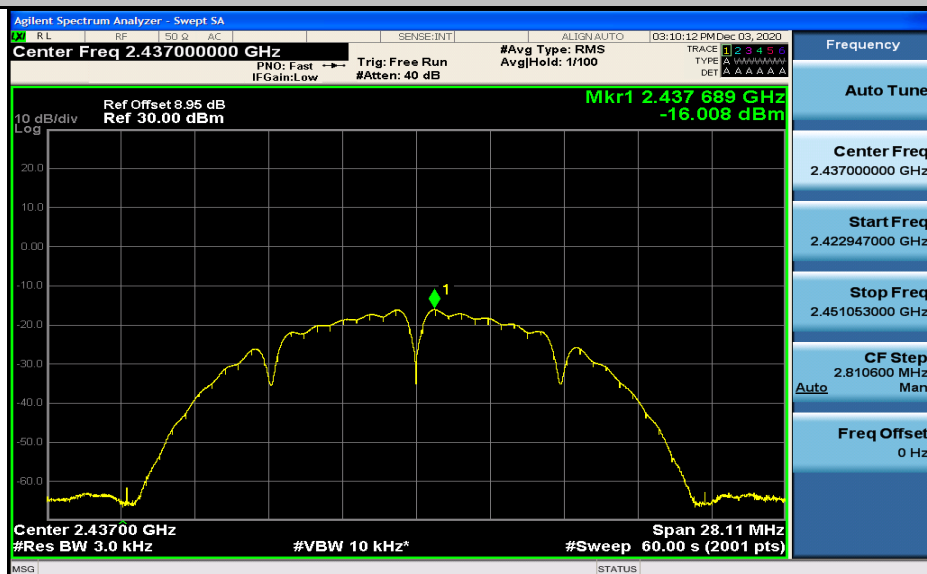
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Maximum(average) power spectral density_11B_2412_Ant1



Maximum(average) power spectral density_11B_2437_Ant1



Maximum(average) power spectral density_11B_2462_Ant1

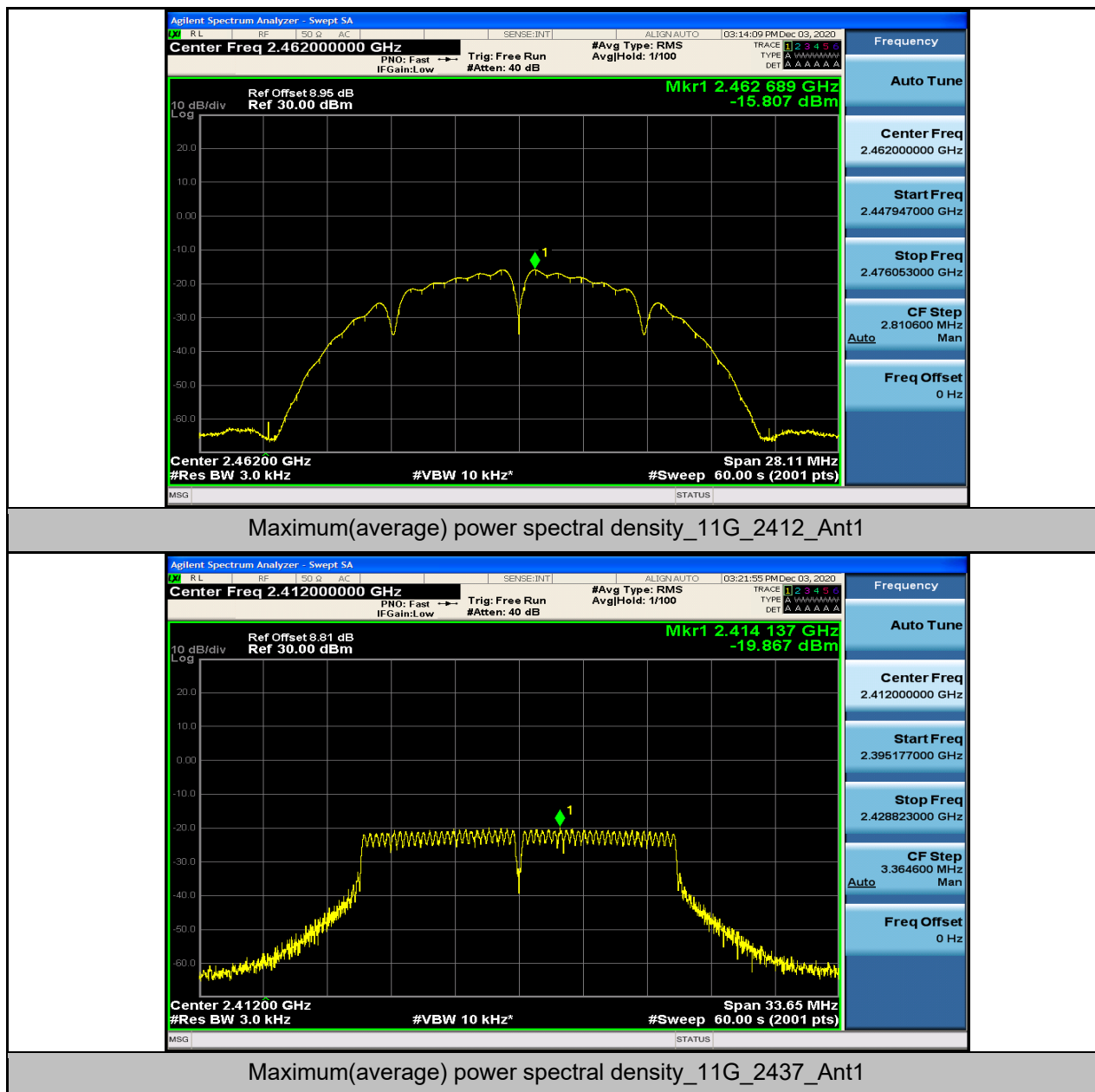


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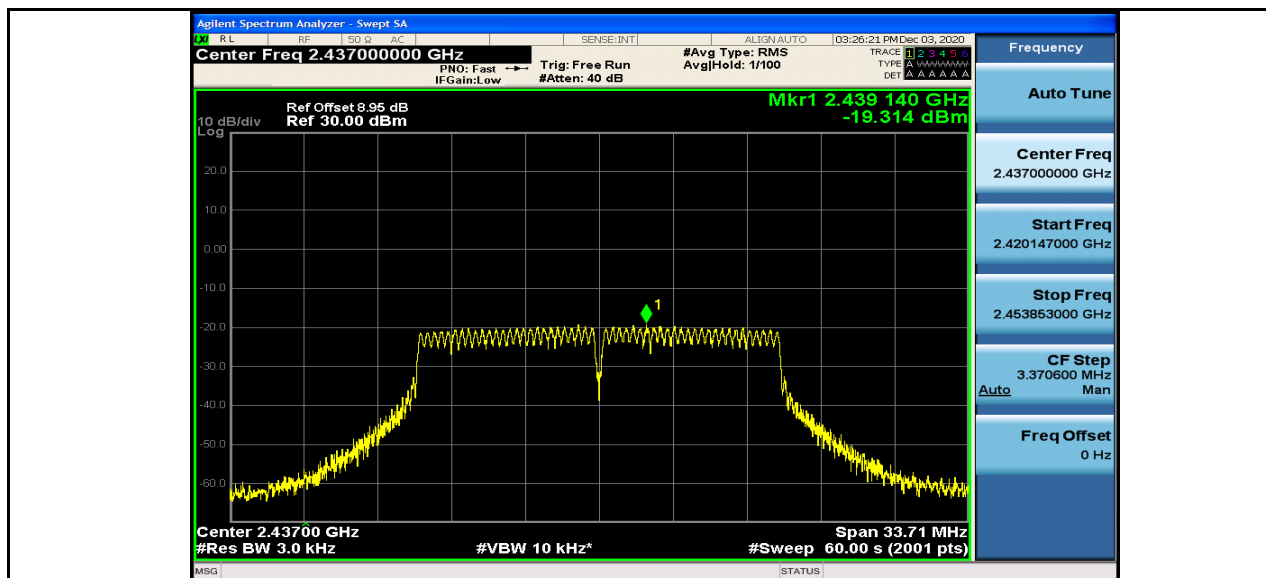


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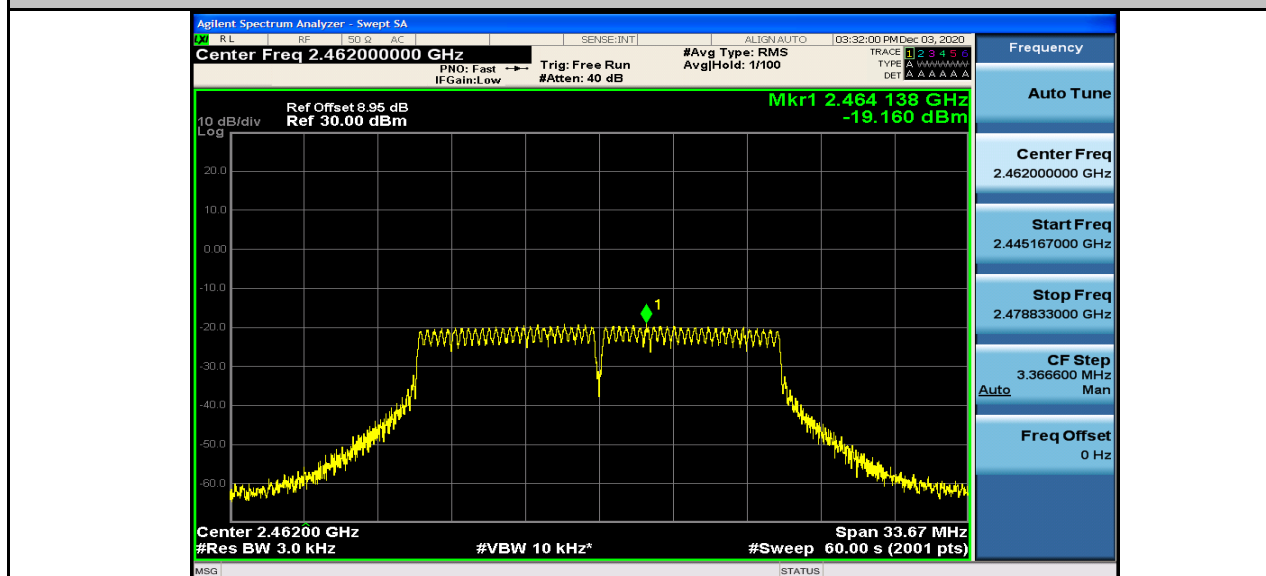
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Maximum(average) power spectral density_11G_2462_Ant1



Maximum(average) power spectral density_11N20SISO_2412_Ant1

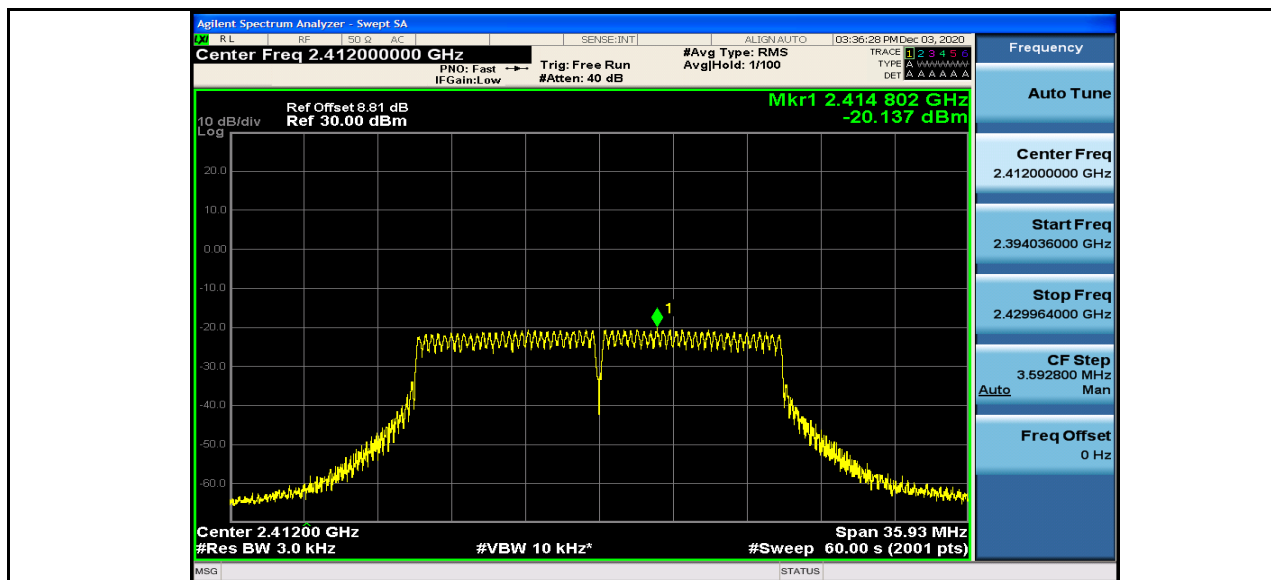


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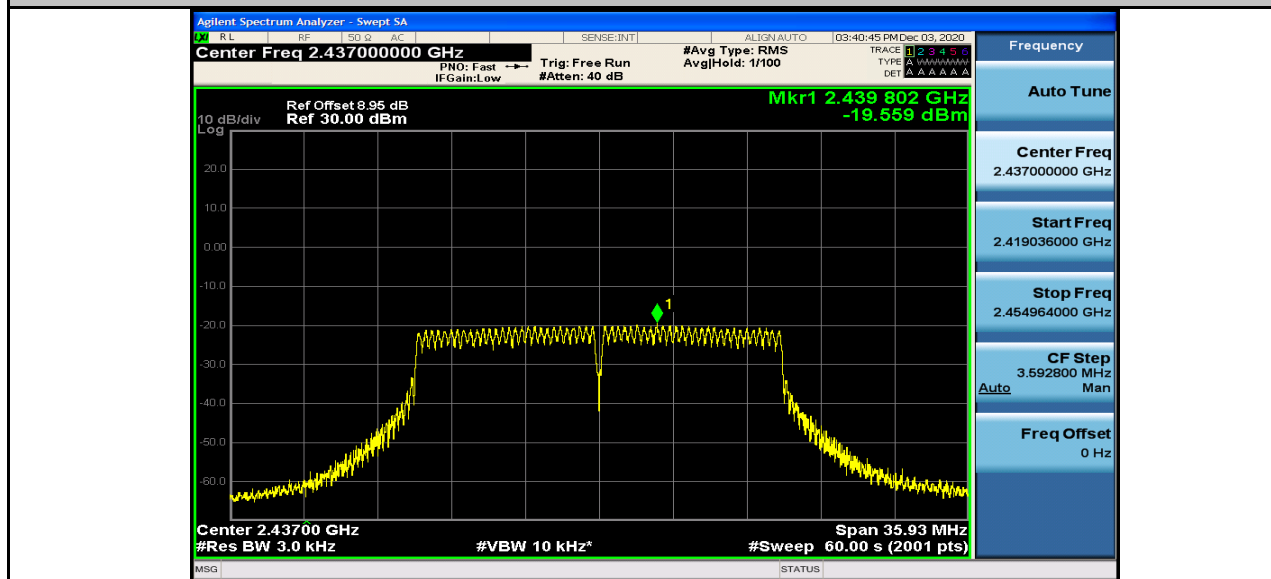
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Maximum(average) power spectral density_11N20SISO_2437_Ant1



Maximum(average) power spectral density_11N20SISO_2462_Ant1

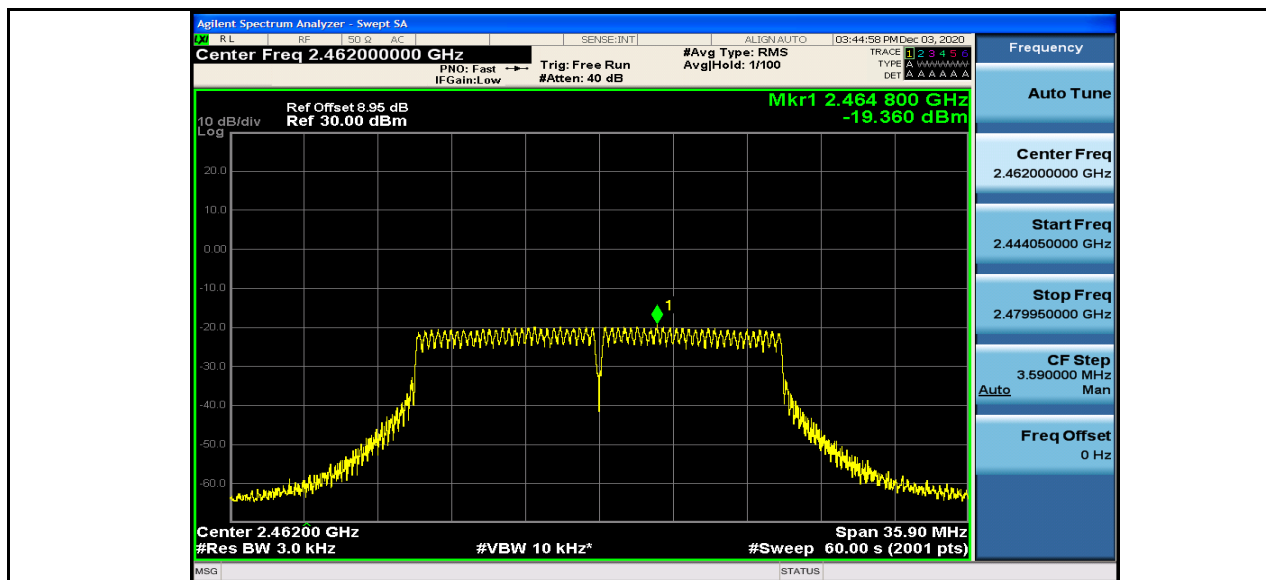


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5.Band-edge for RF Conducted Emissions

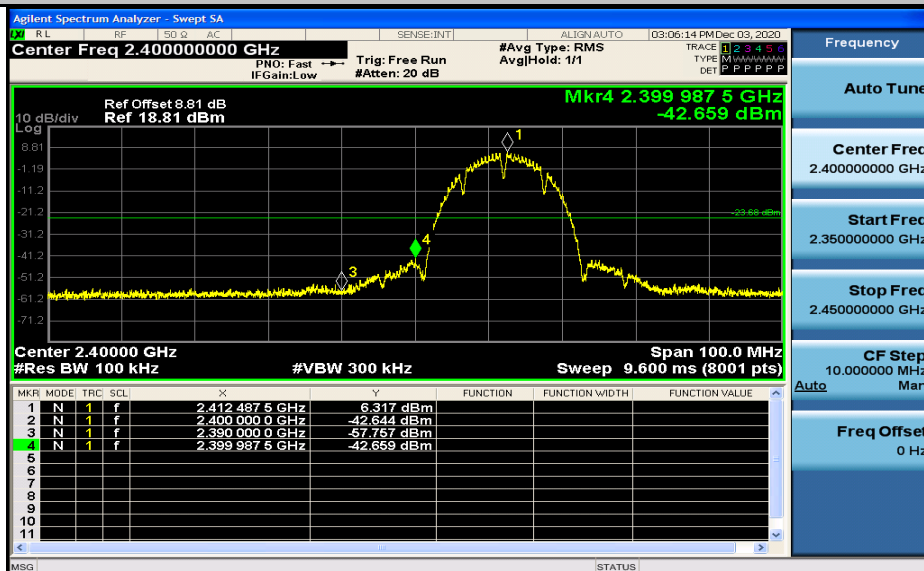
Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	6.32	-42.64	-23.68	PASS
11B	2462	Ant1	7.16	-53.37	-22.84	PASS
11G	2412	Ant1	0.25	-30.83	-29.75	PASS
11G	2462	Ant1	0.96	-43.31	-29.04	PASS
11N20SISO	2412	Ant1	-0.10	-31.11	-30.10	PASS
11N20SISO	2462	Ant1	1.51	-42.42	-28.49	PASS



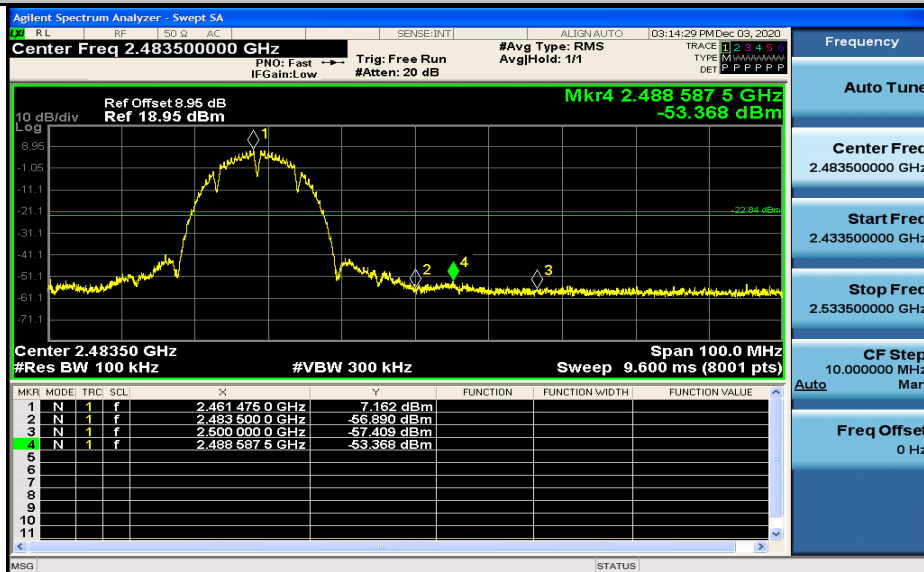
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Band-edge for RF Conducted Emissions_11B_2412_Ant1



Band-edge for RF Conducted Emissions_11B_2462_Ant1



Band-edge for RF Conducted Emissions_11G_2412_Ant1

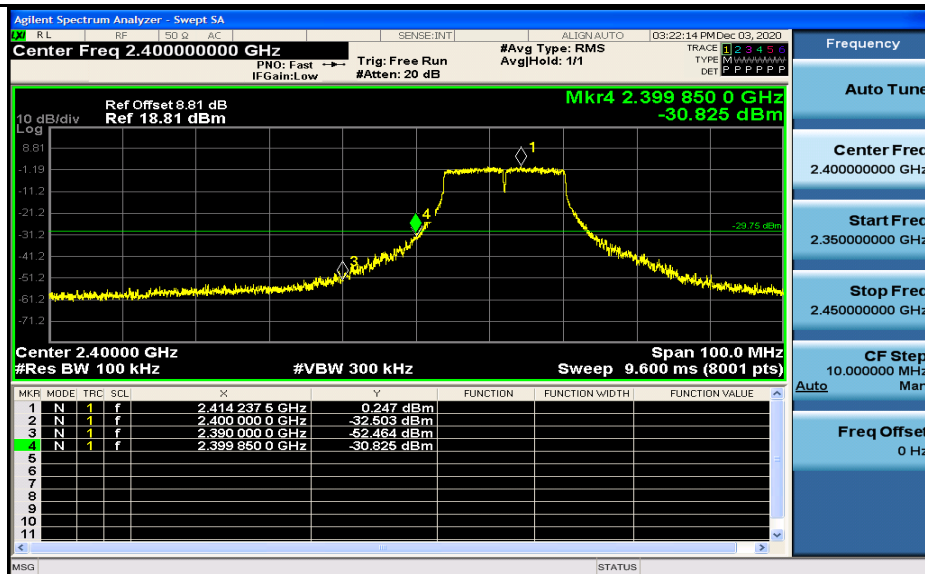


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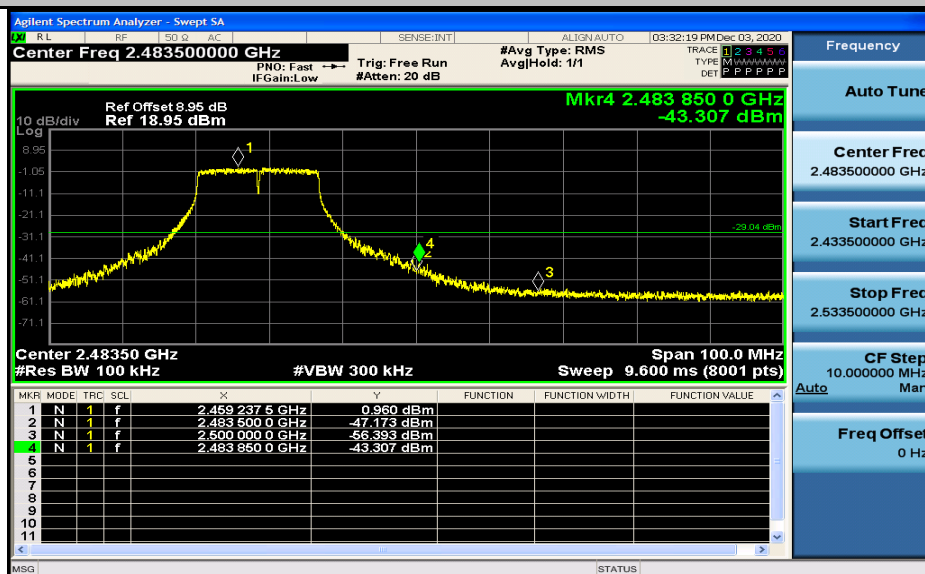
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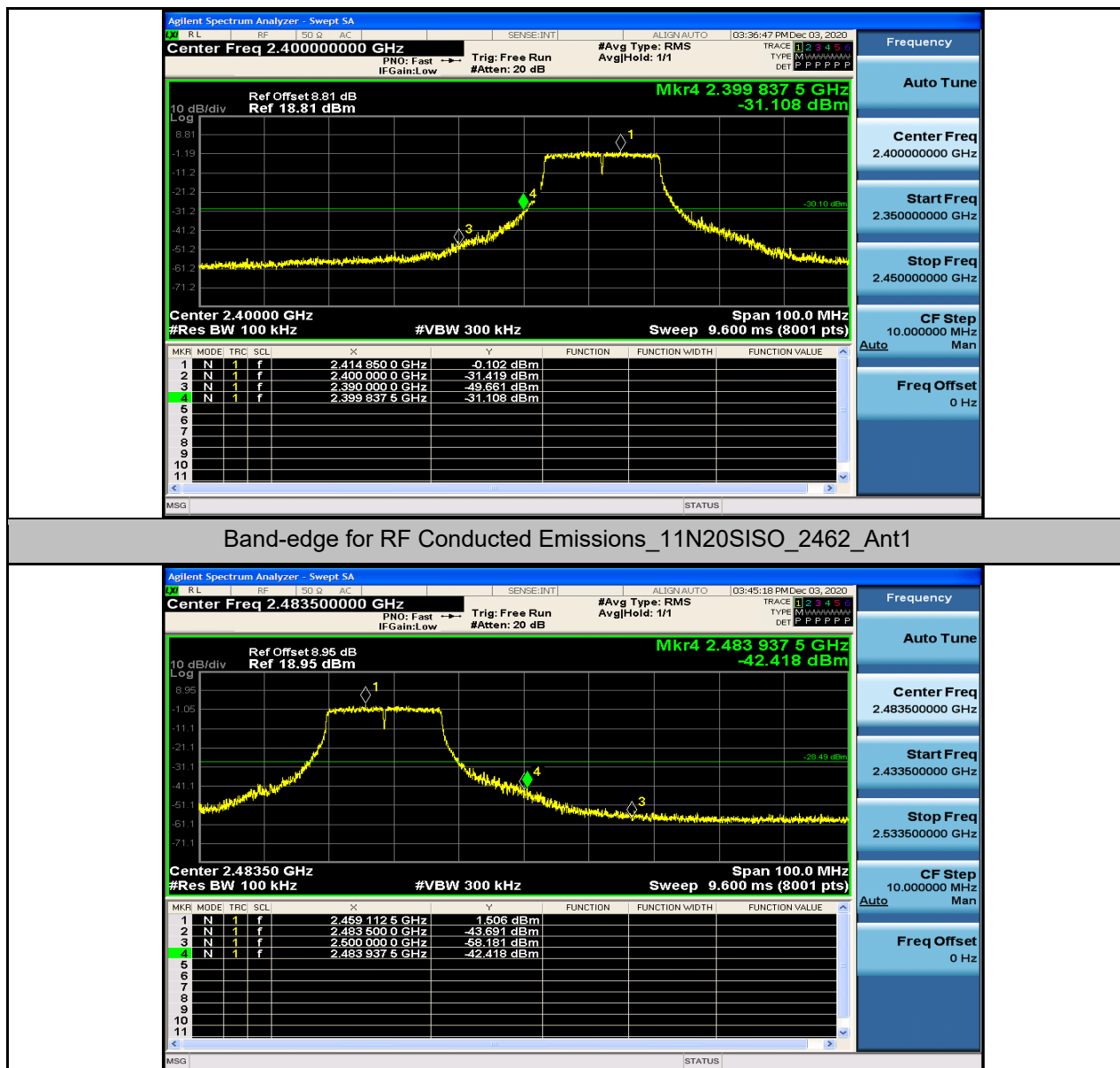


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6.RF Conducted Spurious Emissions

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	6.21	-52.54	<- 23.79	PASS
11B	2412	Ant1	10000	26000	100	300	6.207	-44.264	<- 23.793	PASS
11B	2437	Ant1	30	10000	100	300	6.86	-54.17	<- 23.14	PASS
11B	2437	Ant1	10000	26000	100	300	6.863	-44.078	<- 23.137	PASS
11B	2462	Ant1	30	10000	100	300	7.07	-54.05	<- 22.94	PASS
11B	2462	Ant1	10000	26000	100	300	7.065	-44.196	<- 22.935	PASS
11G	2412	Ant1	30	10000	100	300	0.17	-54.53	<- 29.83	PASS
11G	2412	Ant1	10000	26000	100	300	0.166	-44.683	<- 29.834	PASS
11G	2437	Ant1	30	10000	100	300	0.95	-53.86	<- 29.05	PASS
11G	2437	Ant1	10000	26000	100	300	0.95	-43.678	<- 29.05	PASS
11G	2462	Ant1	30	10000	100	300	1.22	-53.84	<- 28.78	PASS
11G	2462	Ant1	10000	26000	100	300	1.219	-43.989	<- 28.781	PASS
11N20SISO	2412	Ant1	30	10000	100	300	0.63	-54.66	<- 29.37	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	0.63	-44.496	<- 29.37	PASS
11N20SISO	2437	Ant1	30	10000	100	300	1.15	-54.37	<- 28.85	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	1.151	-44.815	<- 28.849	PASS
11N20SISO	2462	Ant1	30	10000	100	300	1.28	-53.26	<- 28.73	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	1.275	-43.886	<- 28.725	PASS



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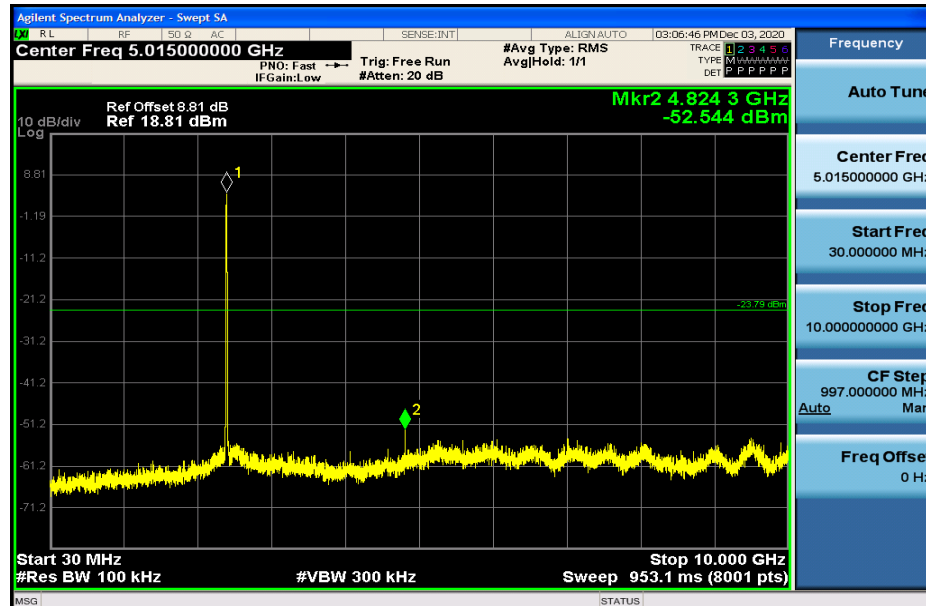
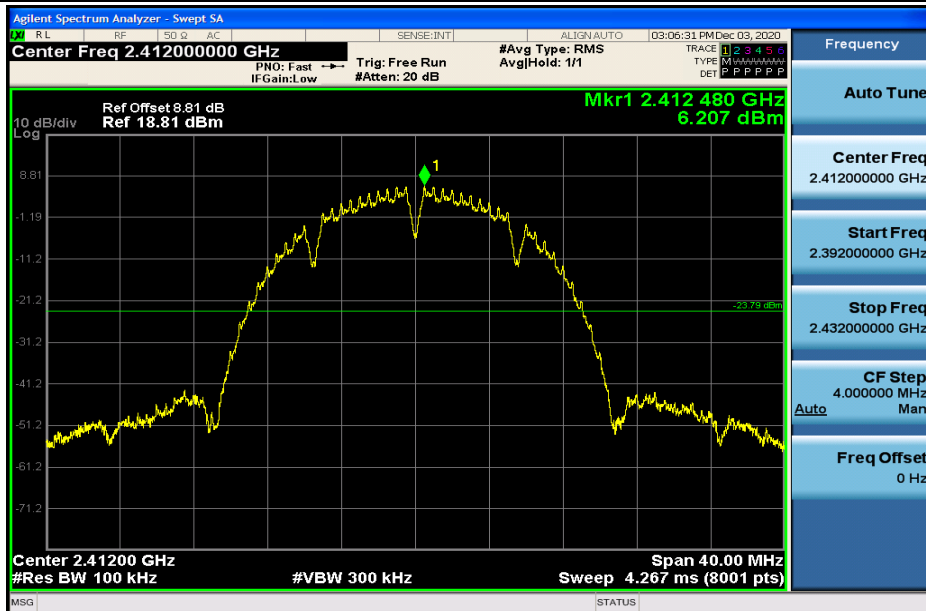
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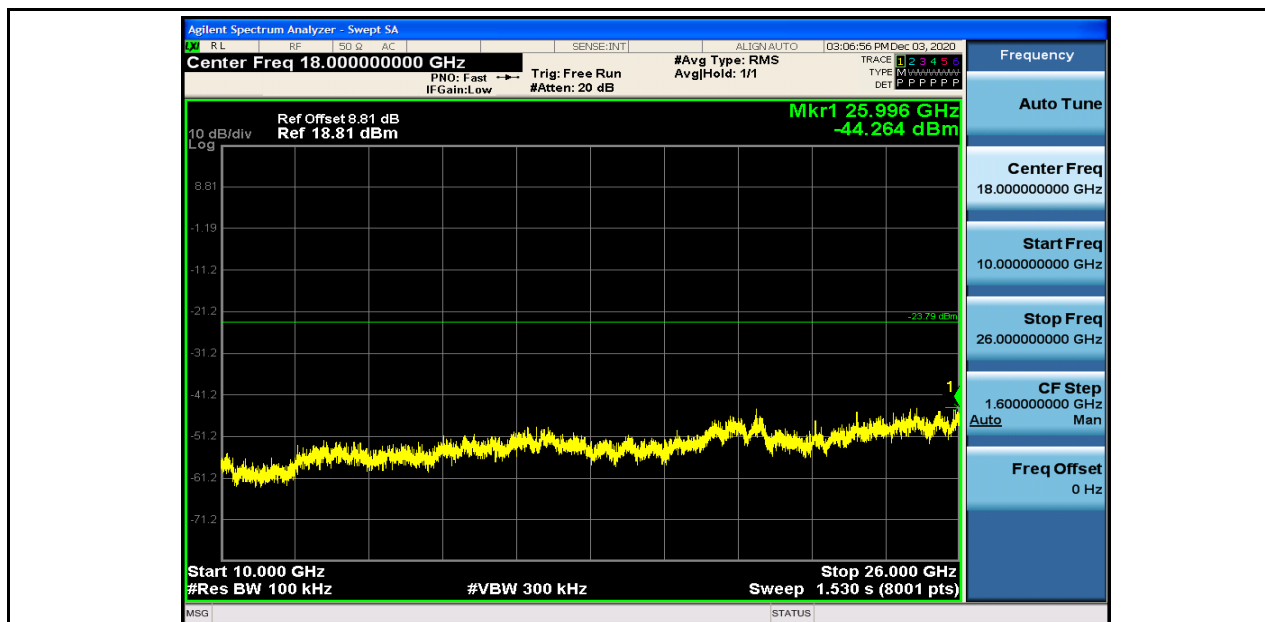


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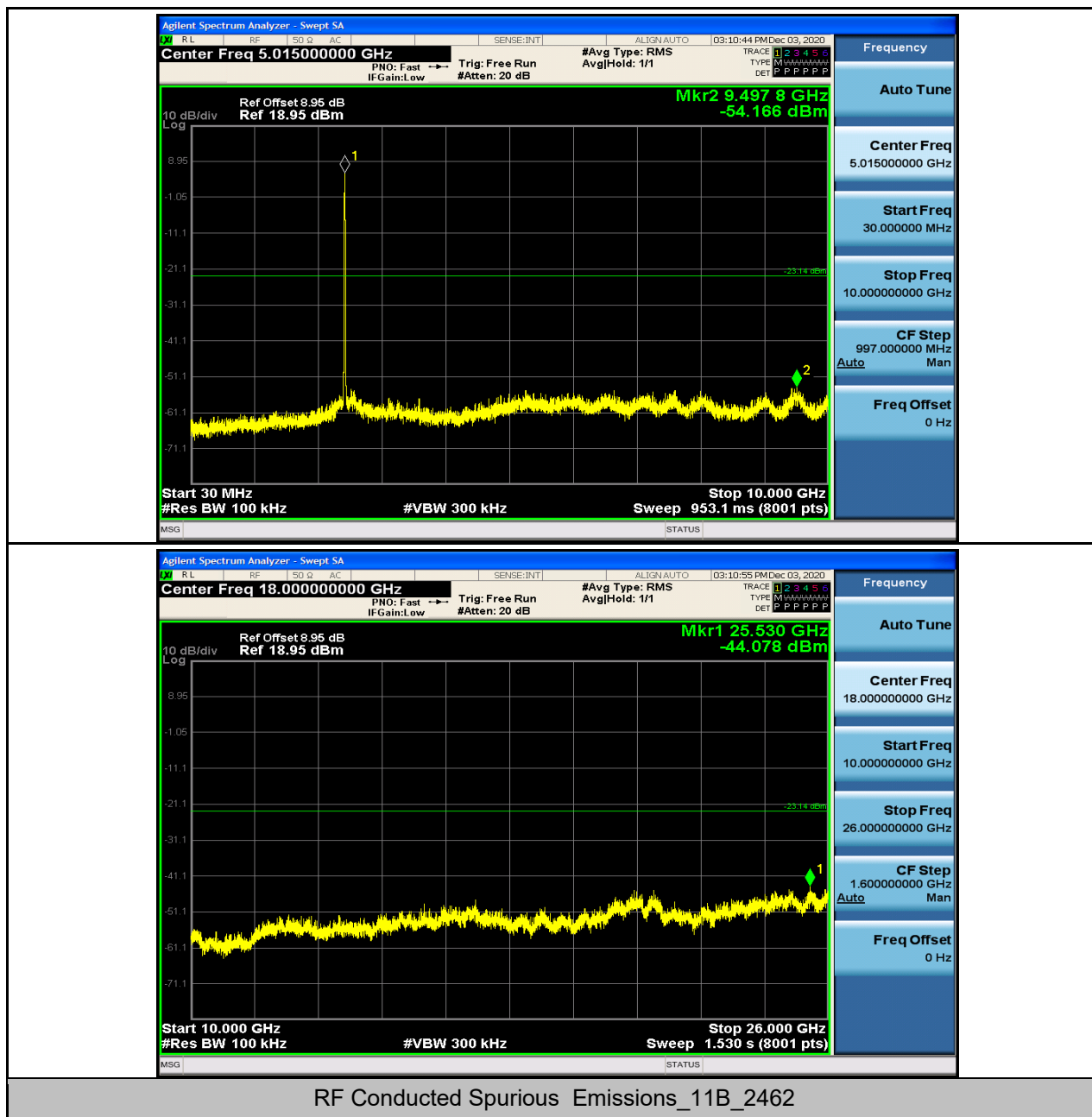


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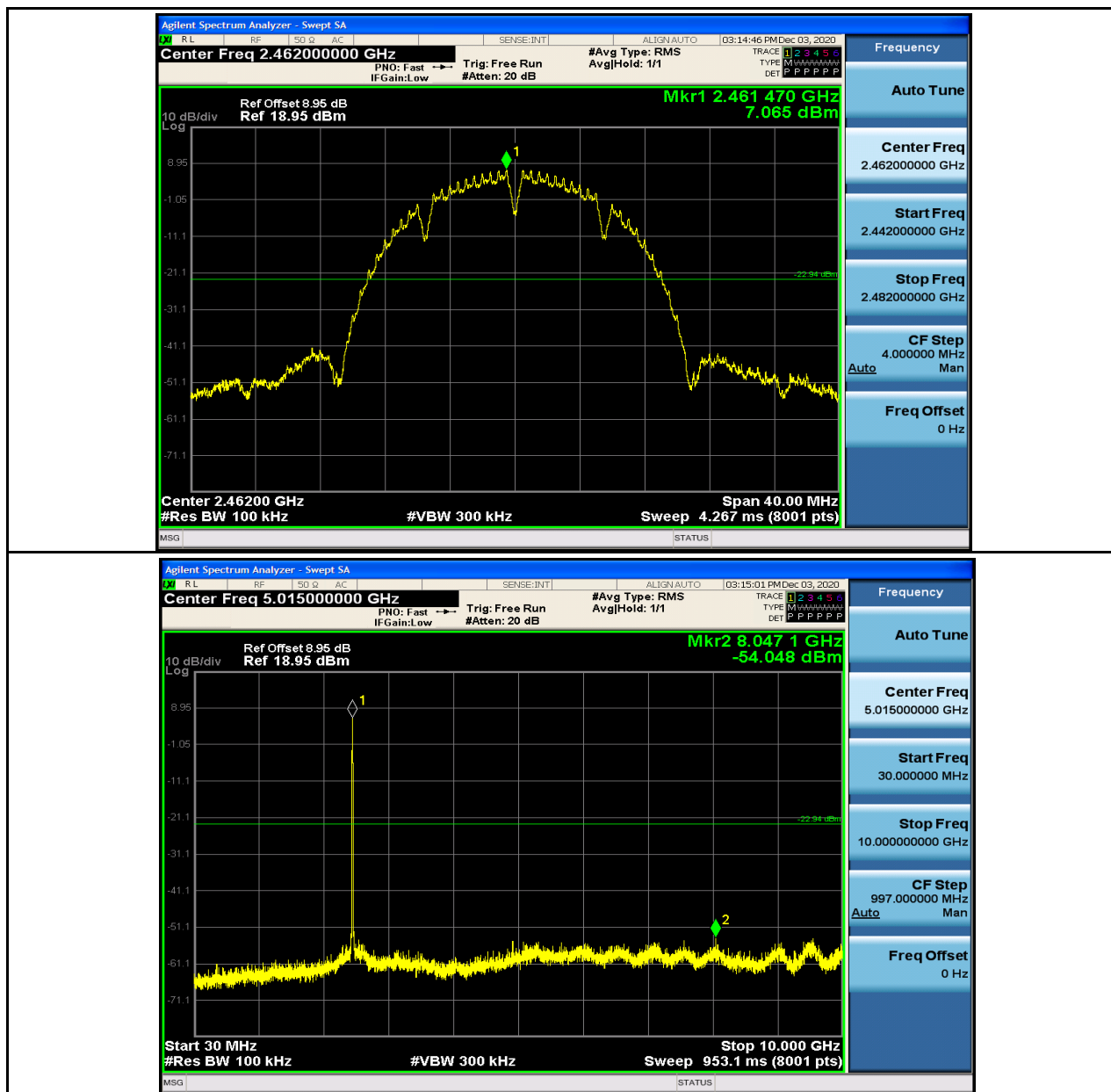


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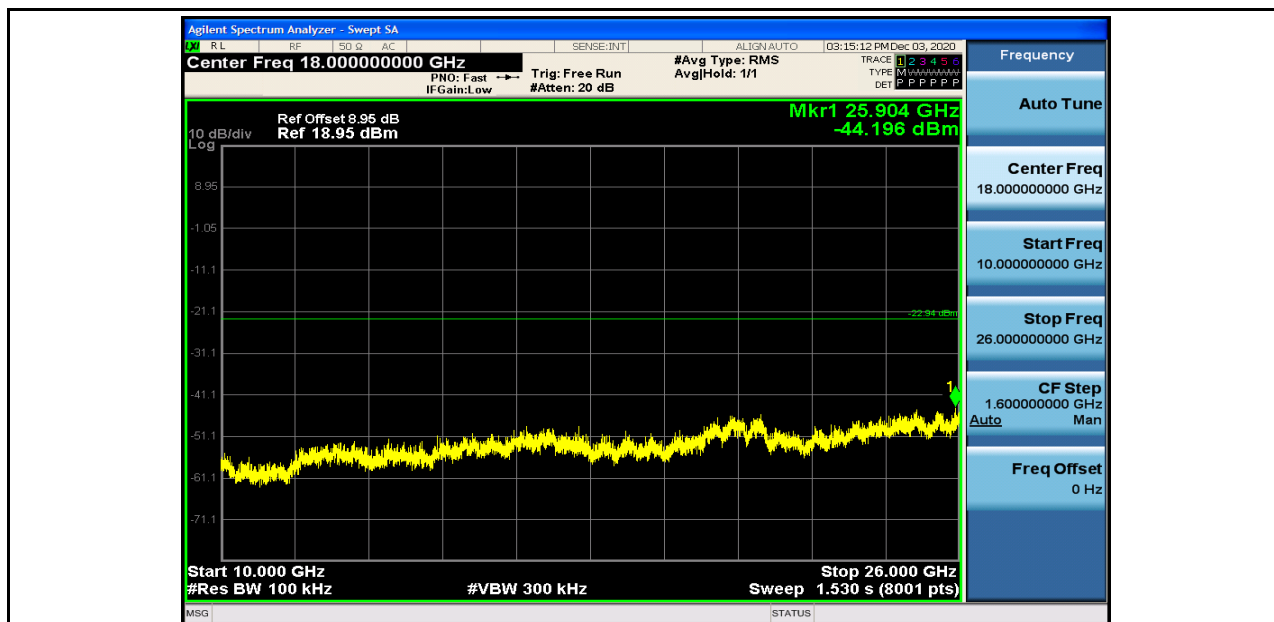


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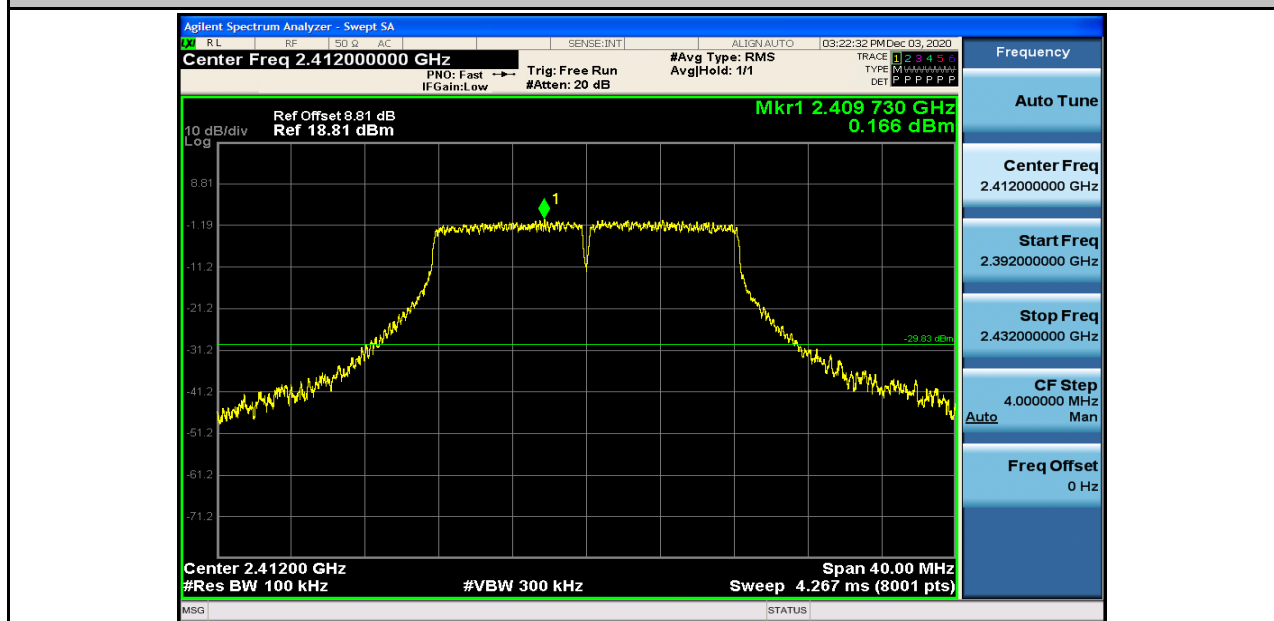
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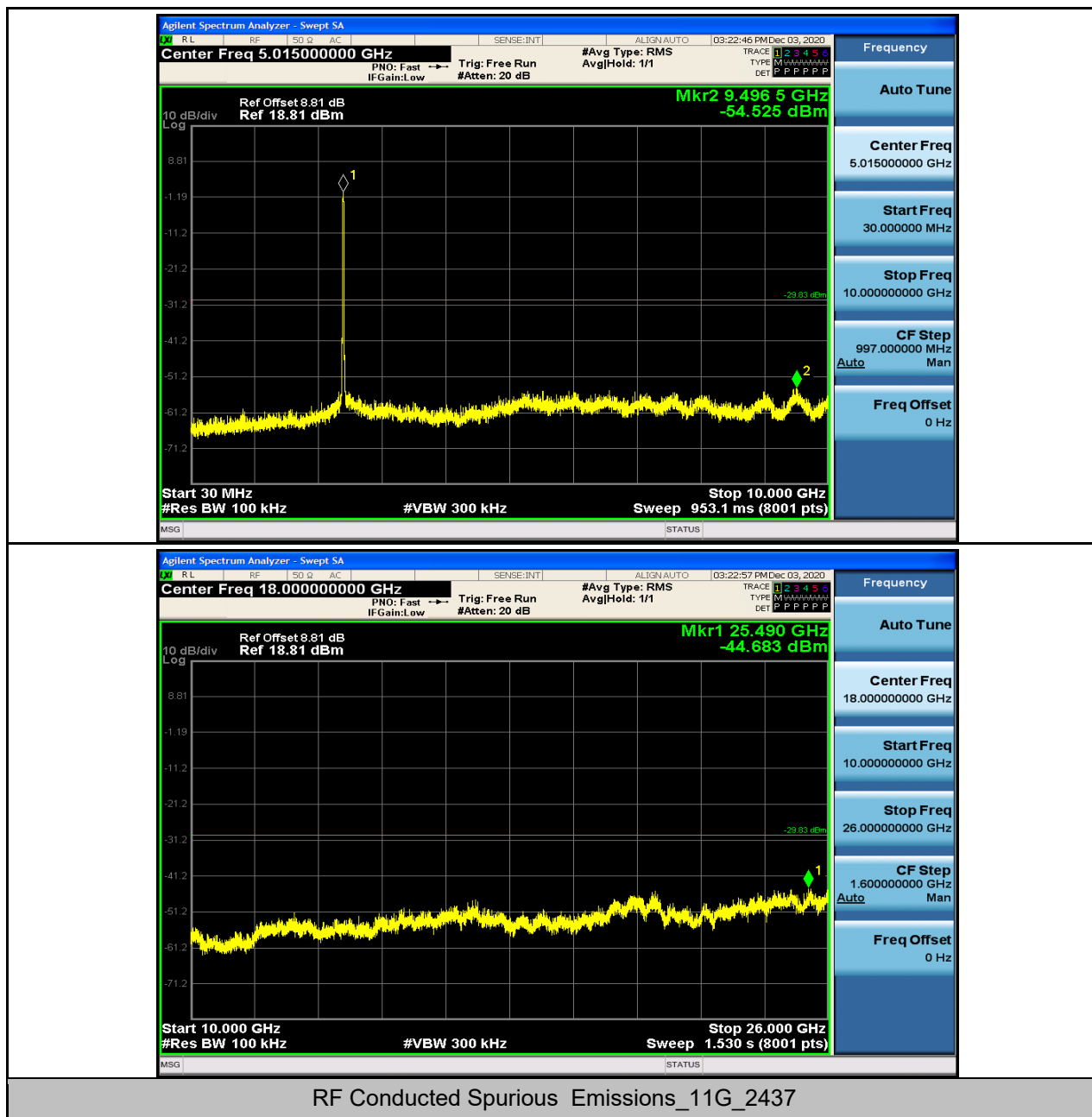


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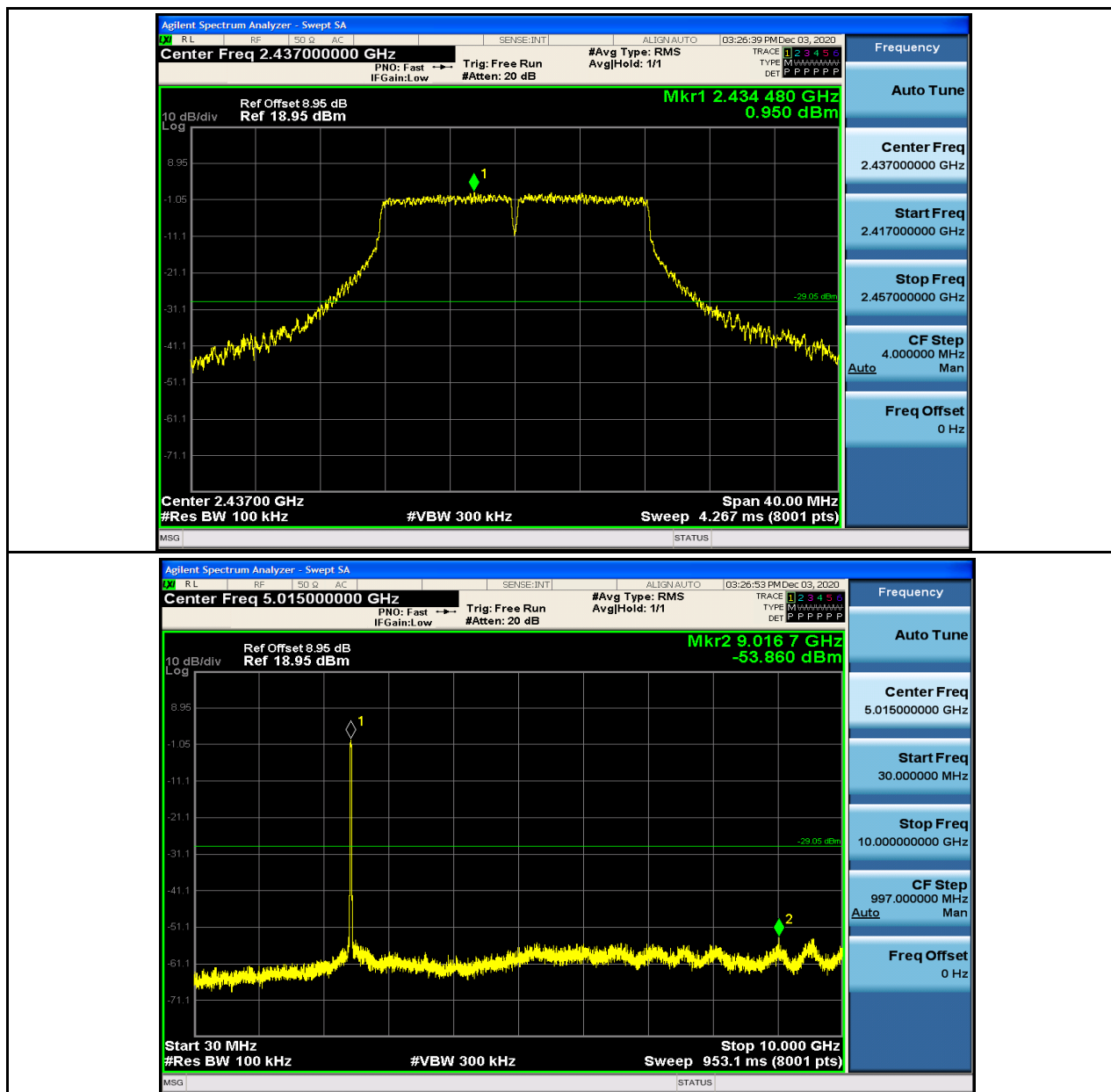


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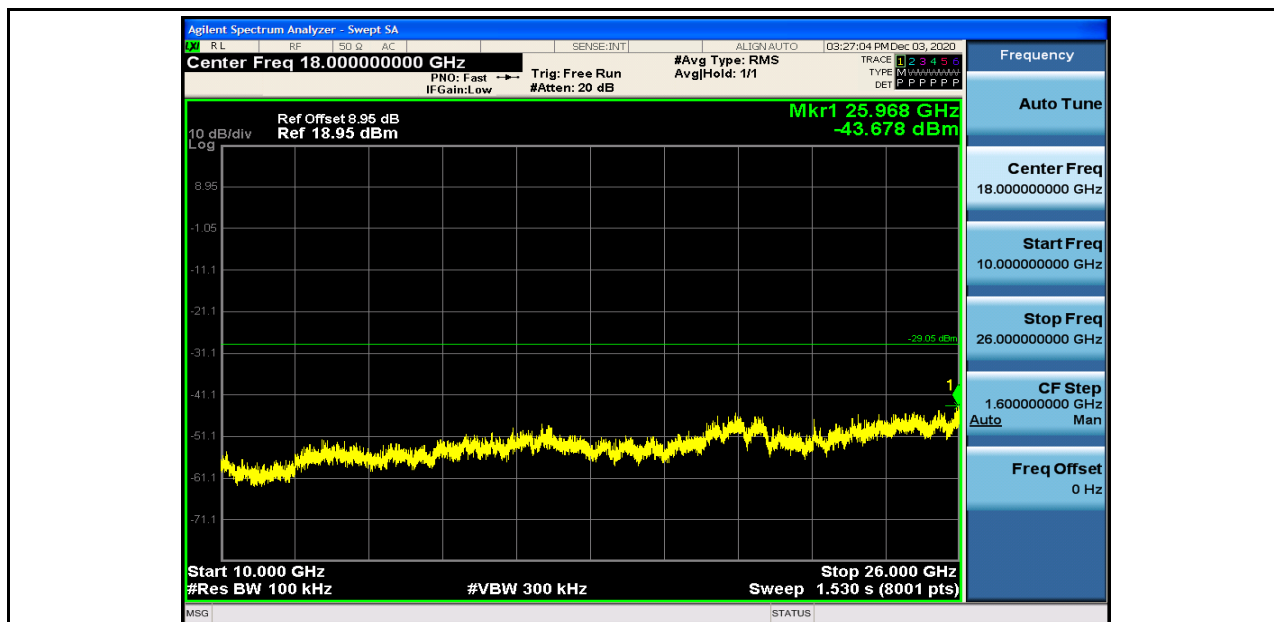


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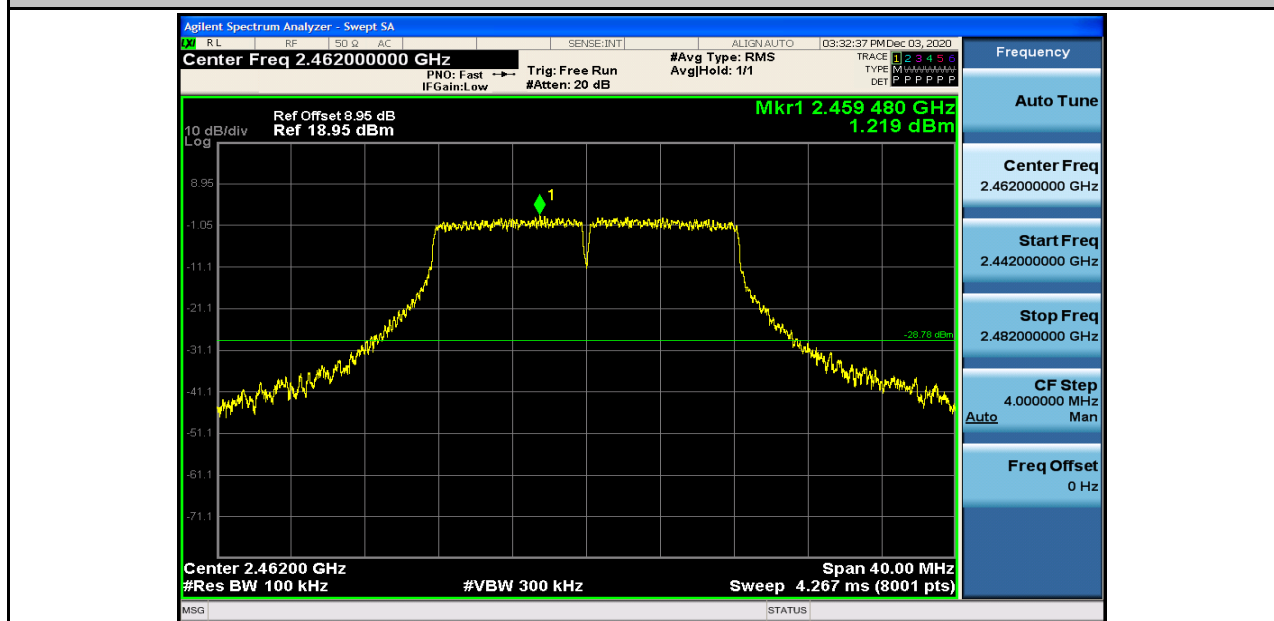
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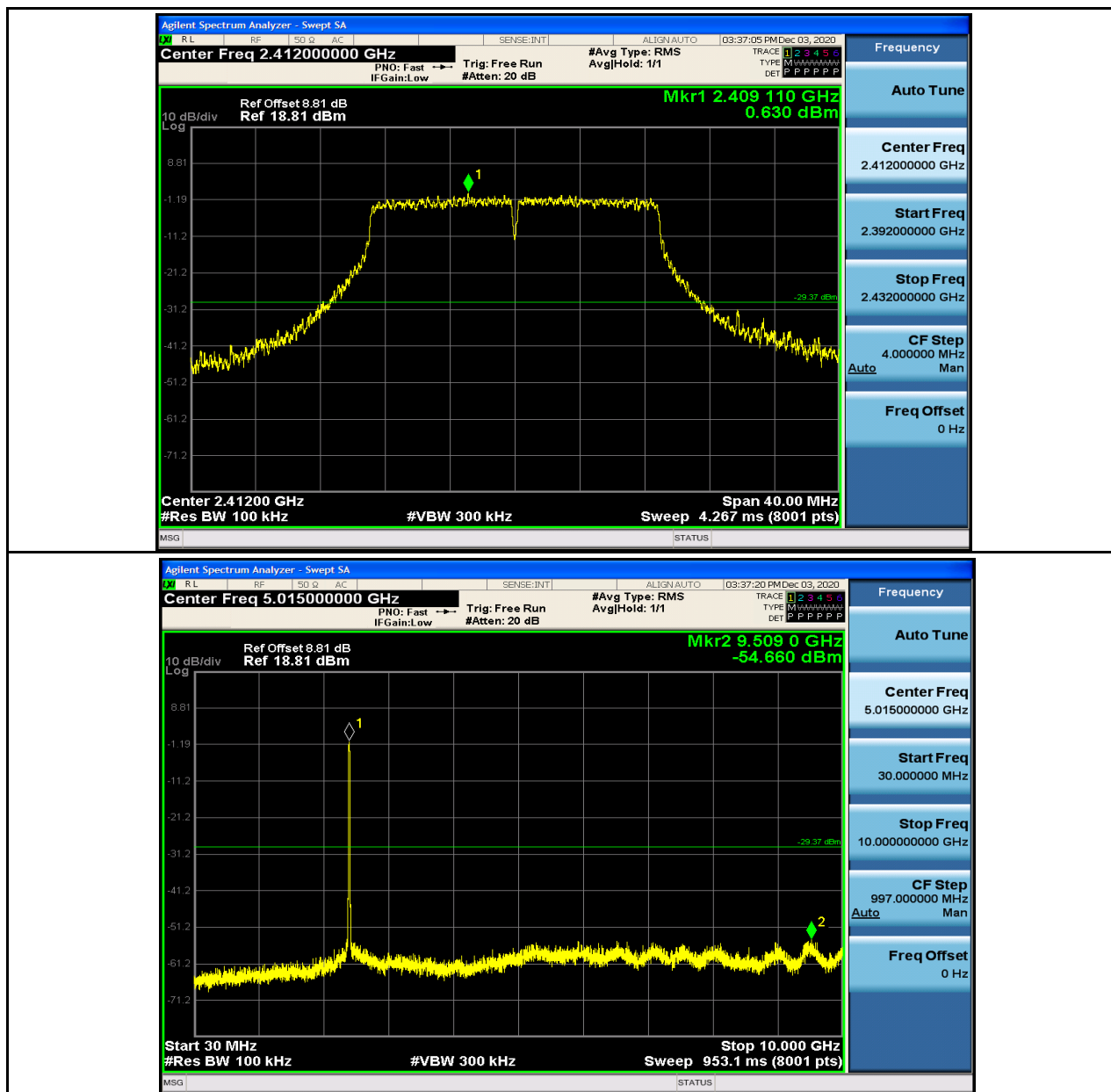


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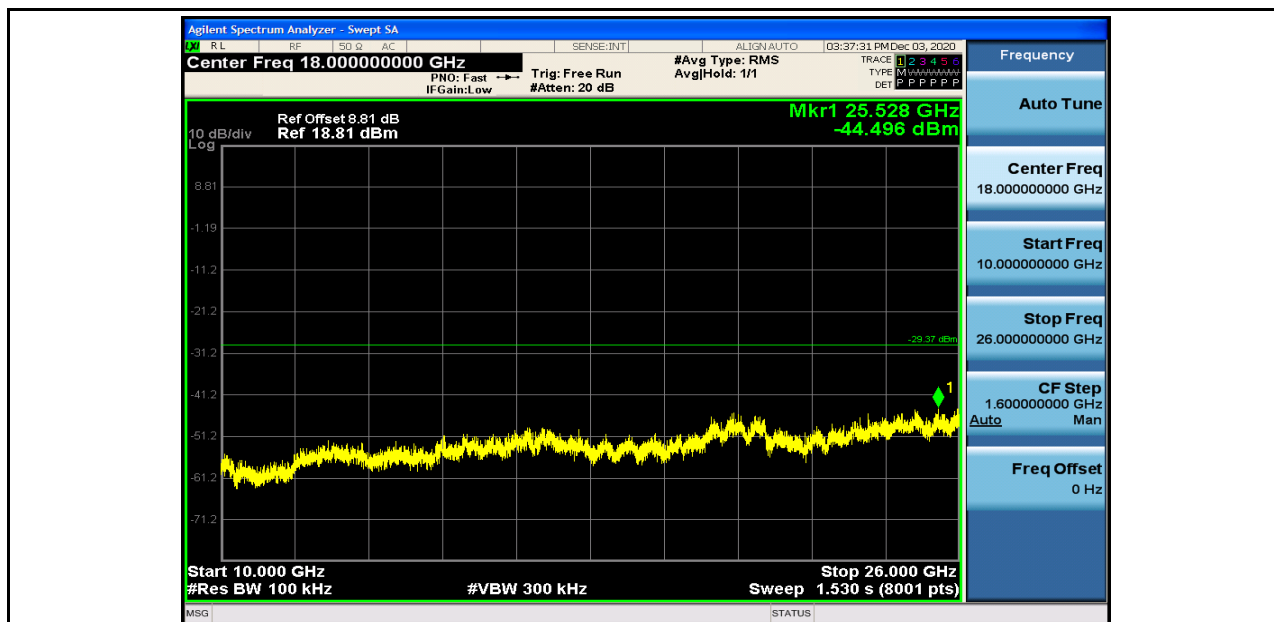


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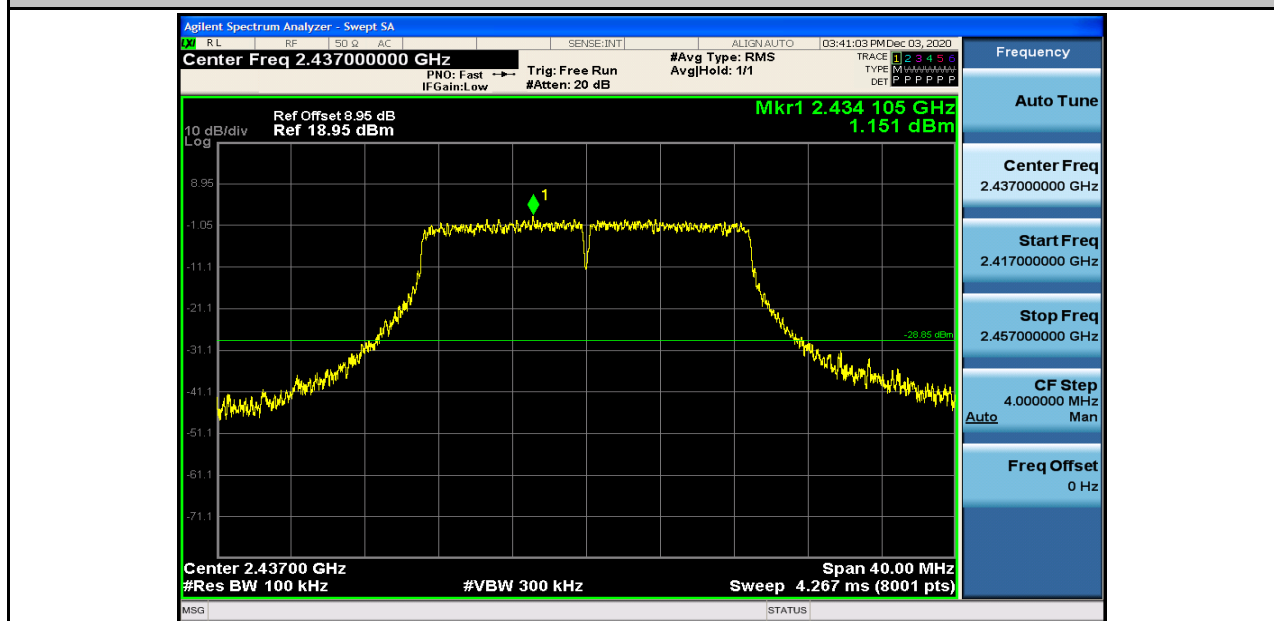
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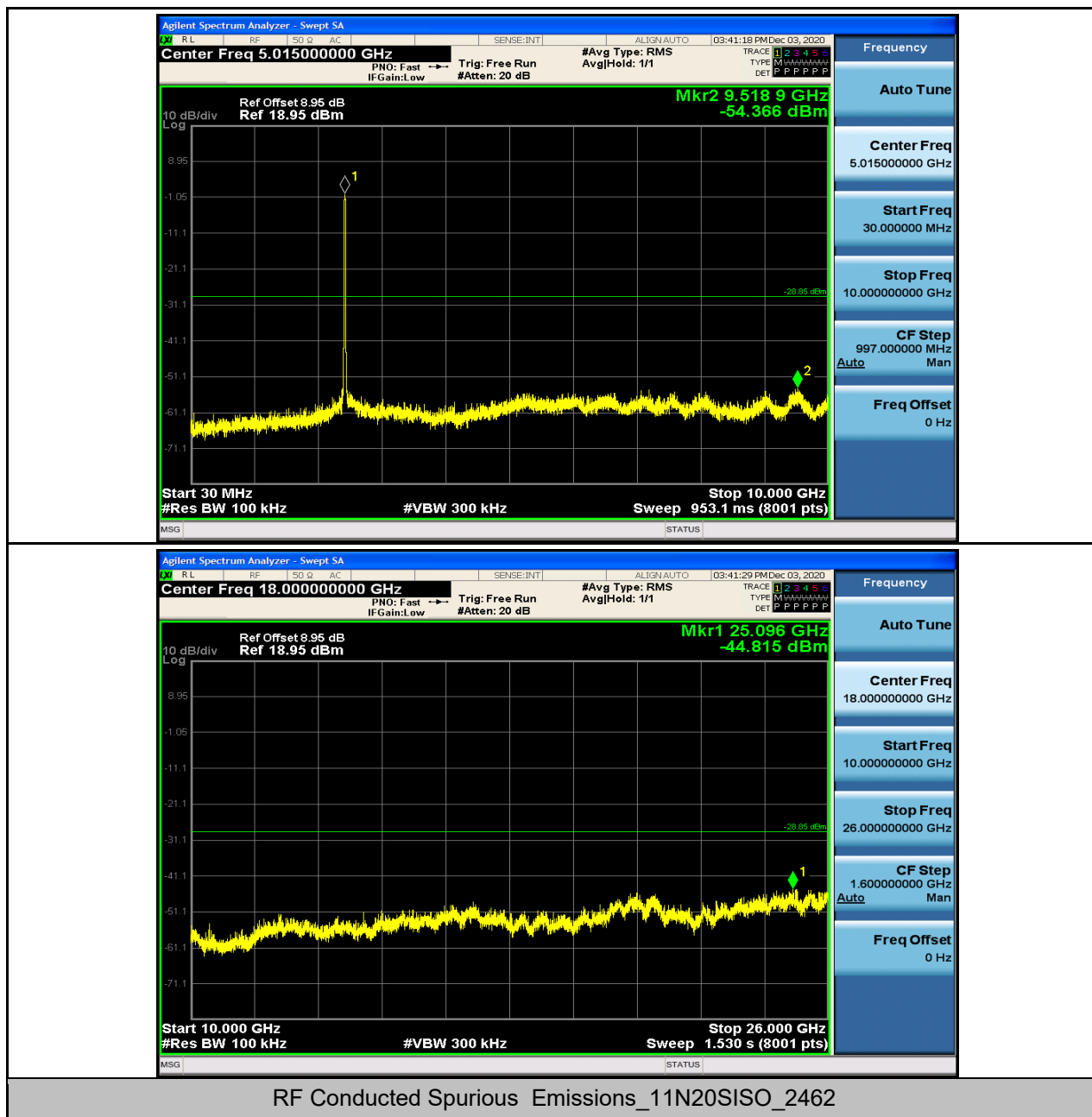


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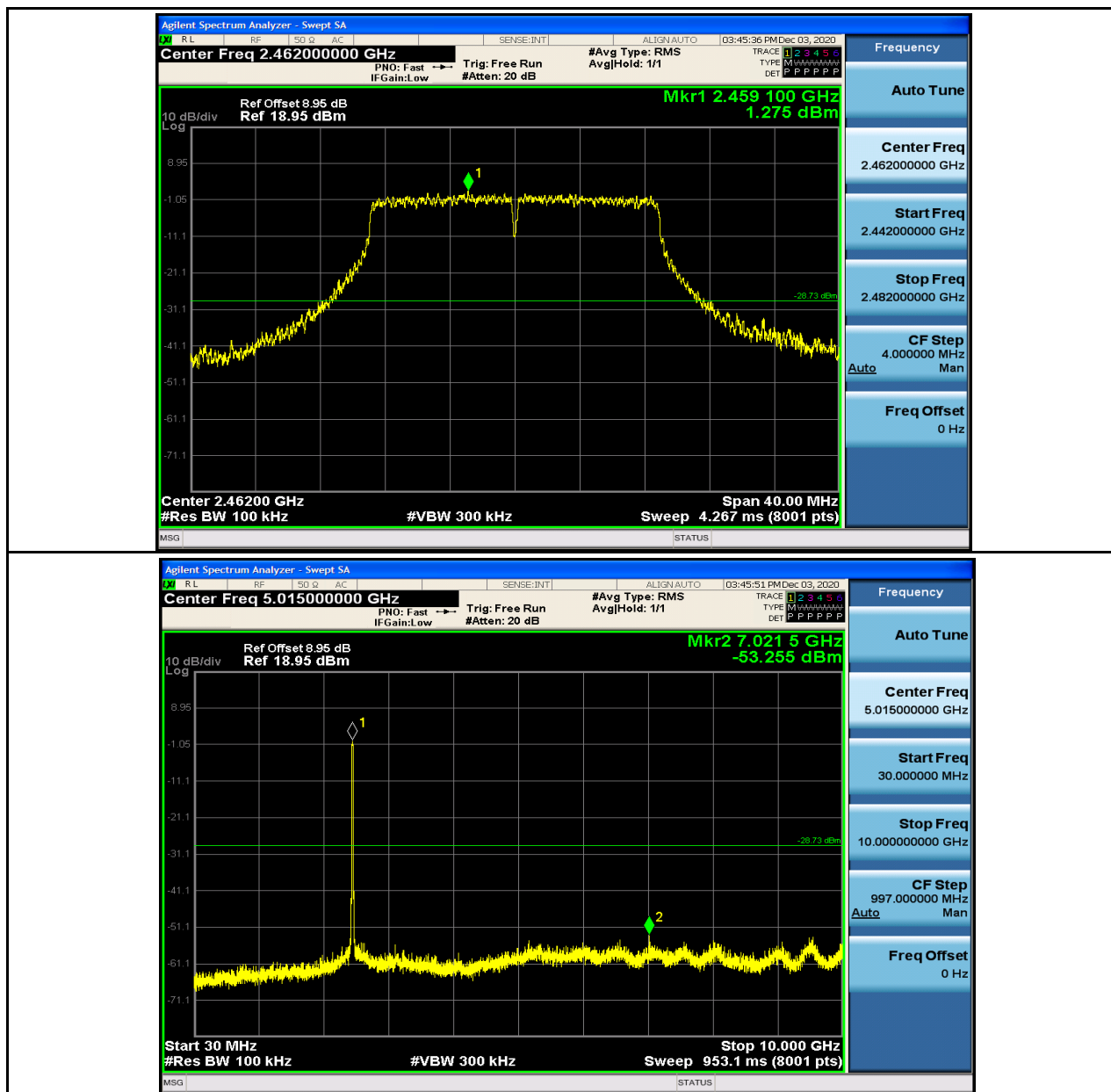


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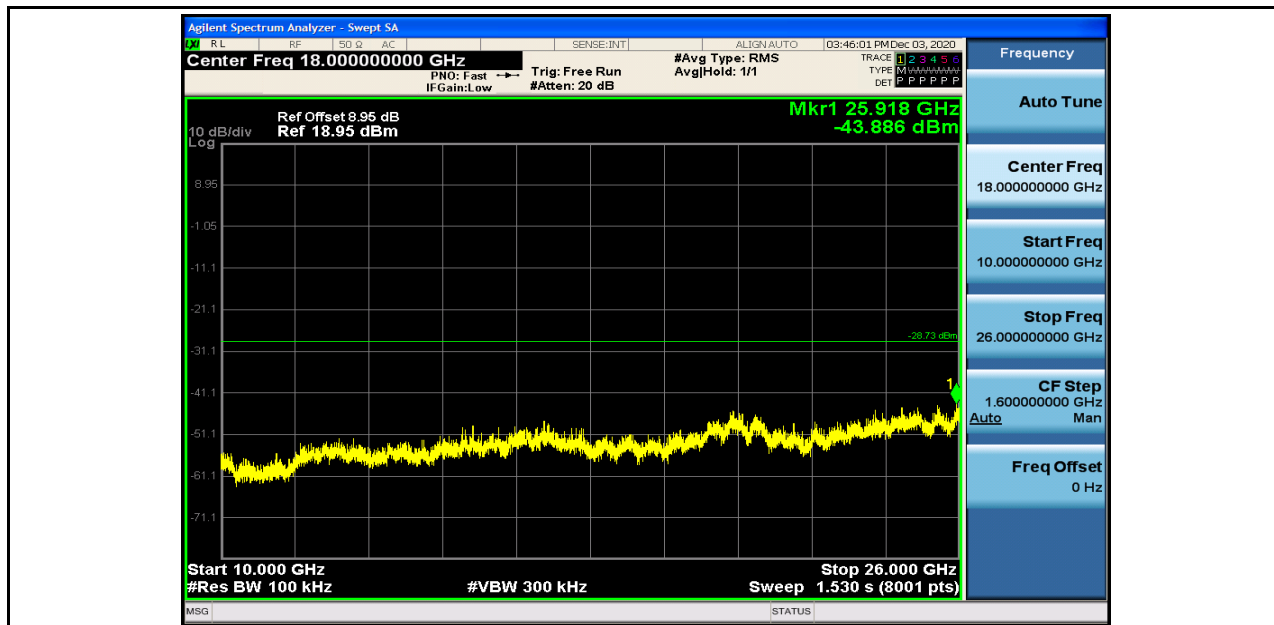


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7. Duty Cycle

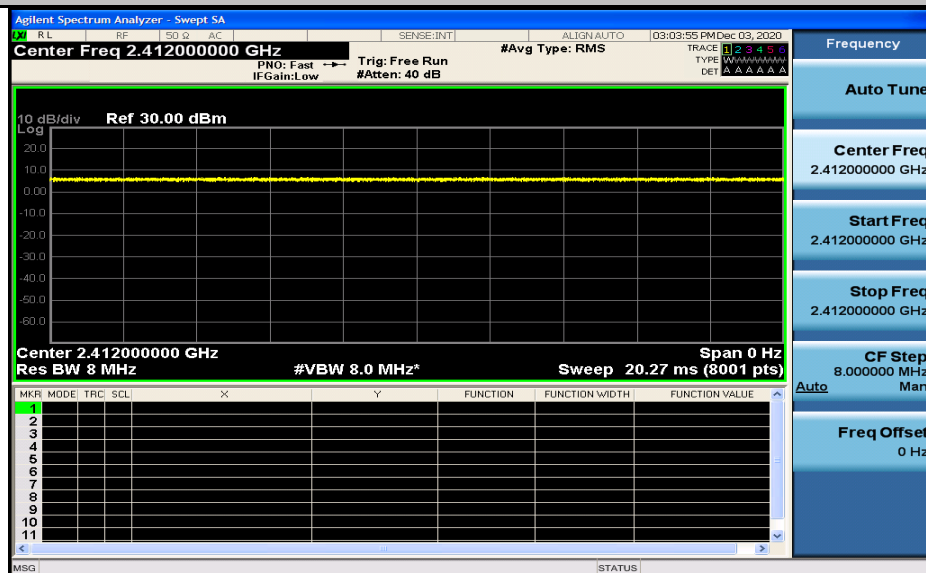
Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	100.00	0.00
11B	2437	Ant1	100.00	0.00
11B	2462	Ant1	100.00	0.00
11G	2412	Ant1	100.00	0.00
11G	2437	Ant1	100.00	0.00
11G	2462	Ant1	100.00	0.00
11N20SISO	2412	Ant1	100.00	0.00
11N20SISO	2437	Ant1	100.00	0.00
11N20SISO	2462	Ant1	100.00	0.00



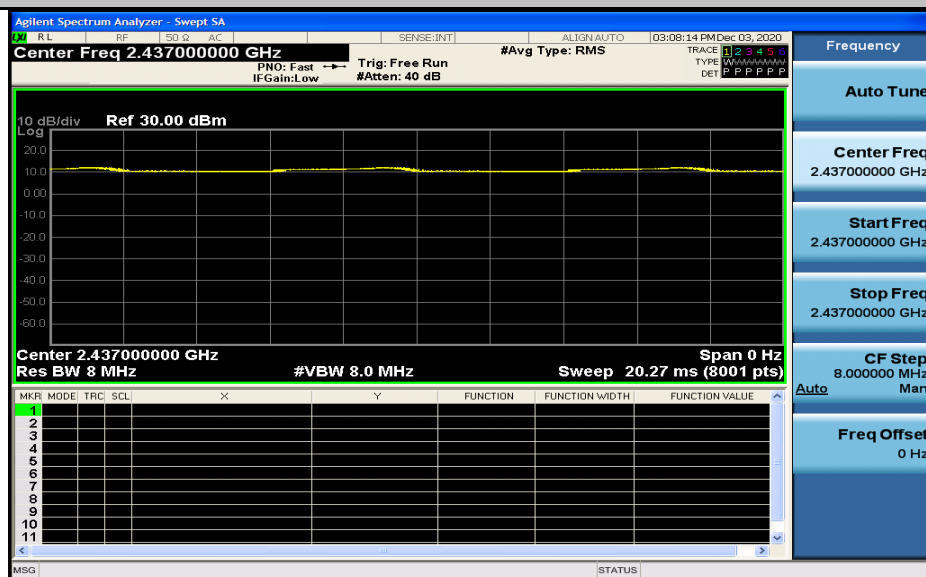
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Duty Cycle_11B_2412_Ant1



Duty Cycle_11B_2437_Ant1



Duty Cycle_11B_2462_Ant1

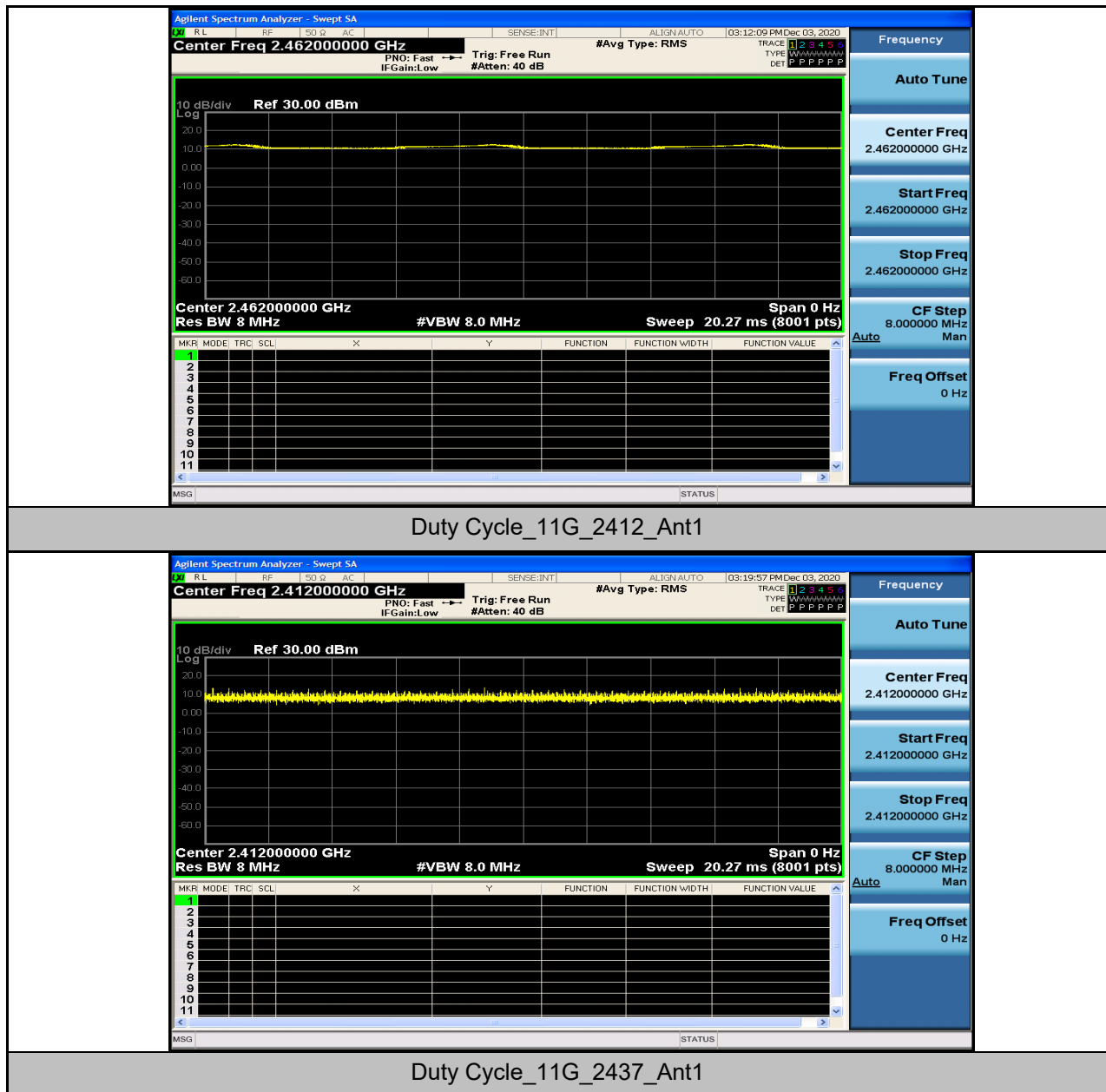


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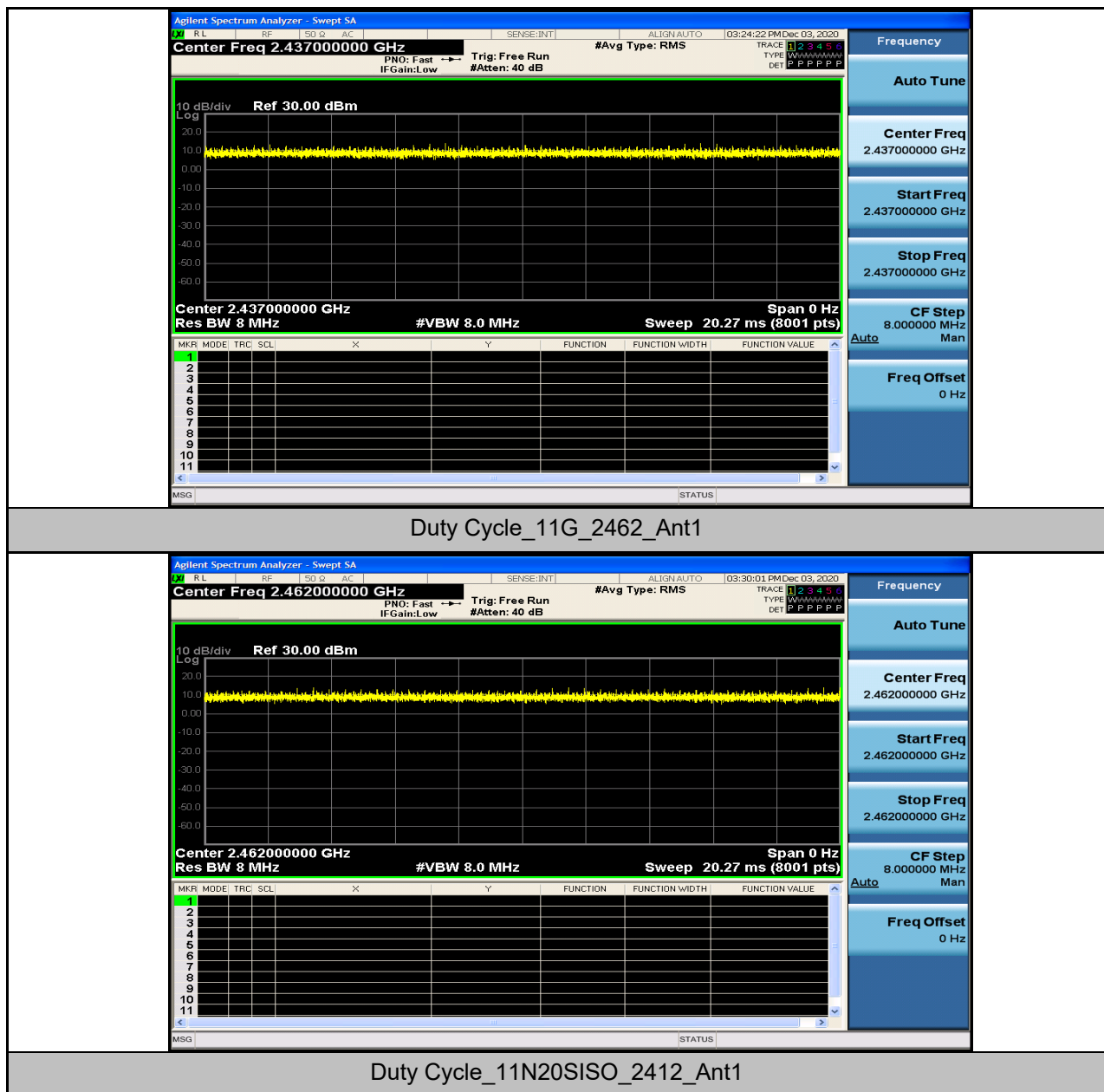


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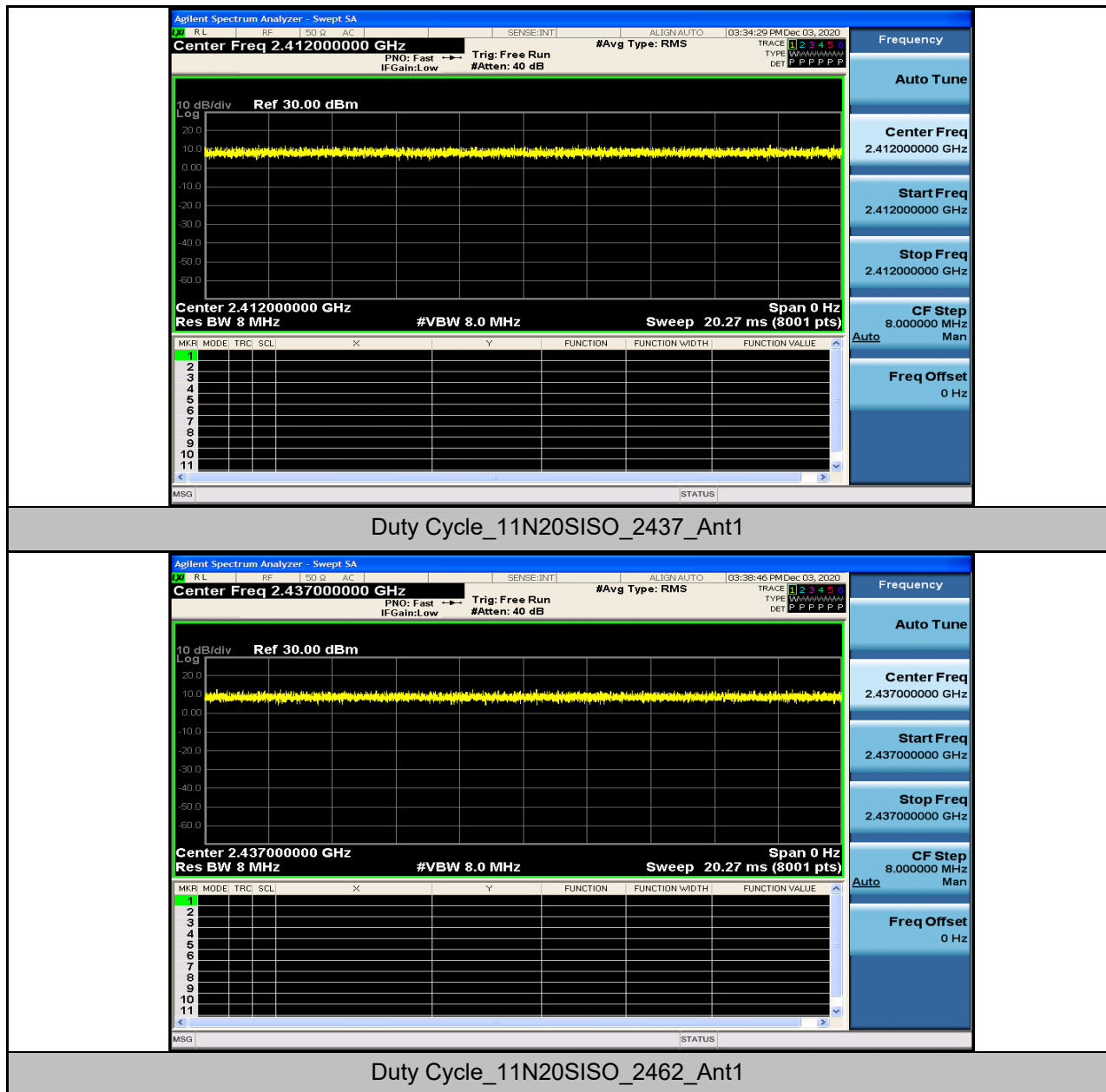


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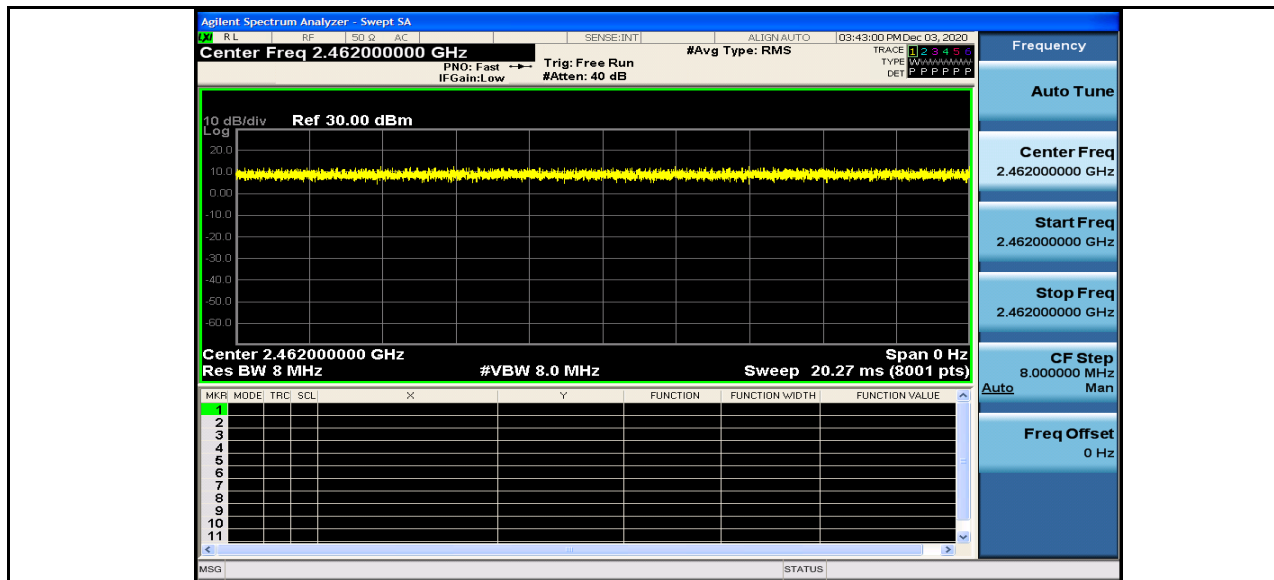


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