

Appendix C for SHEM210200120403

1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	8.58	0.5	PASS
11B	2437	Ant1	9.05	0.5	PASS
11B	2462	Ant1	8.55	0.5	PASS
11G	2412	Ant1	15.12	0.5	PASS
11G	2437	Ant1	15.05	0.5	PASS
11G	2462	Ant1	15.05	0.5	PASS
11N20SISO	2412	Ant1	15.12	0.5	PASS
11N20SISO	2437	Ant1	15.09	0.5	PASS
11N20SISO	2462	Ant1	15.12	0.5	PASS



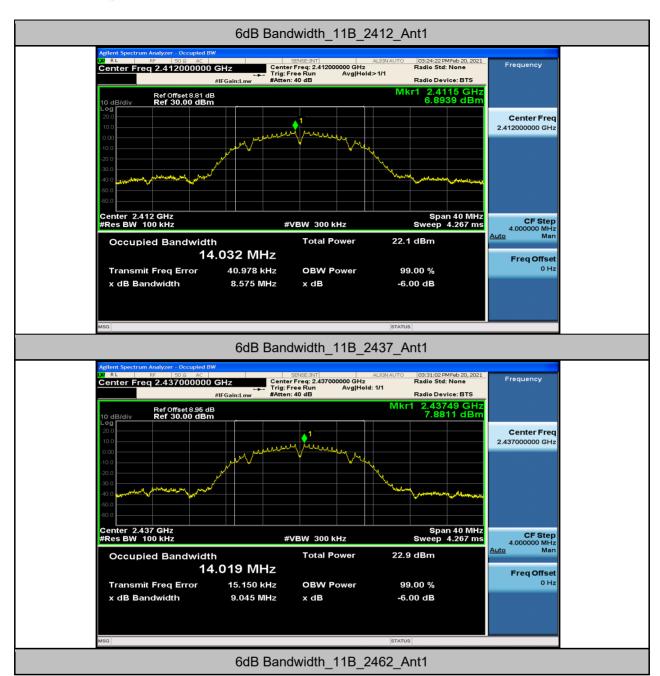
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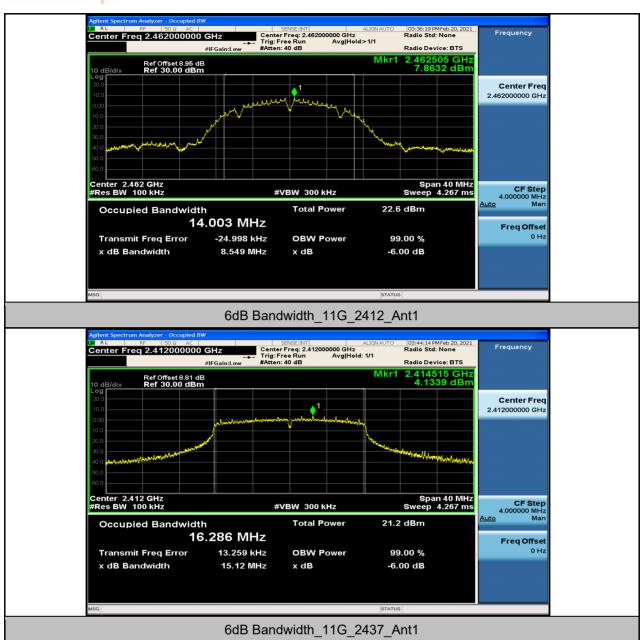
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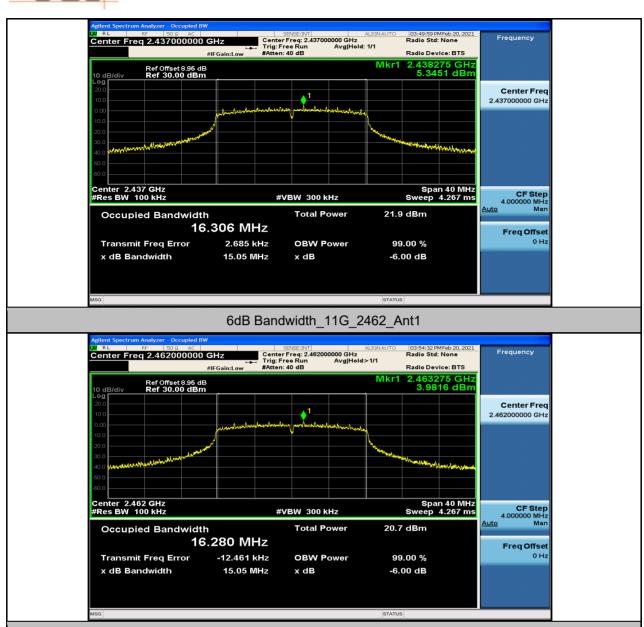
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6dB Bandwidth_11N20SISO_2412_Ant1



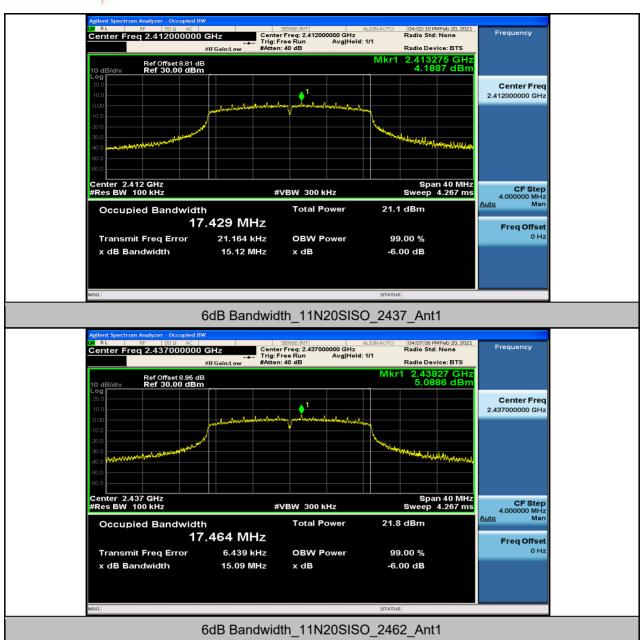
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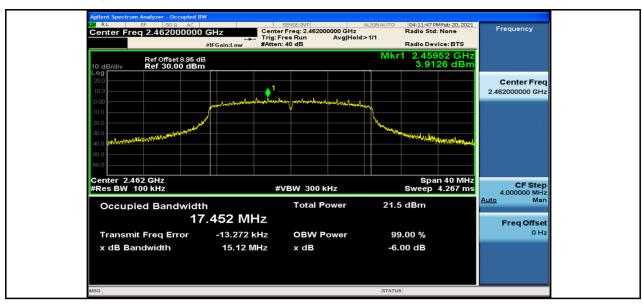
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2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	14.07		PASS
11B	2437	Ant1	14.05		PASS
11B	2462	Ant1	14.04		PASS
11G	2412	Ant1	16.43		PASS
11G	2437	Ant1	16.50		PASS
11G	2462	Ant1	16.43		PASS
11N20SISO	2412	Ant1	17.55		PASS
11N20SISO	2437	Ant1	17.60		PASS
11N20SISO	2462	Ant1	17.55		PASS

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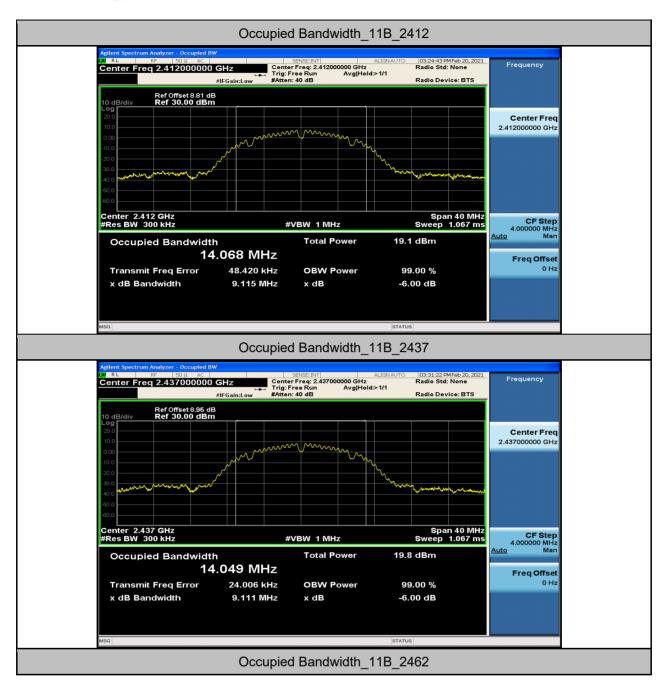
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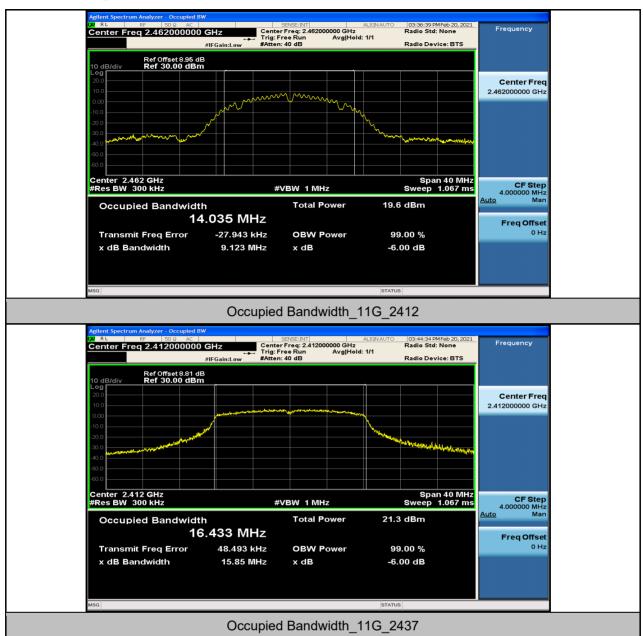
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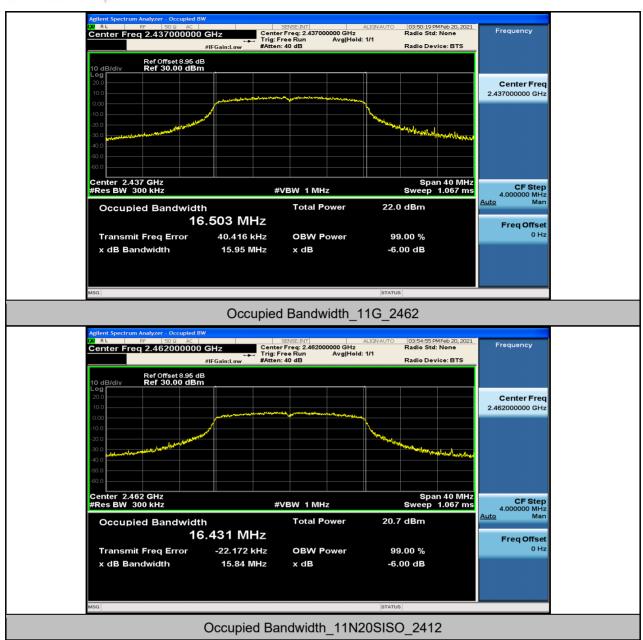
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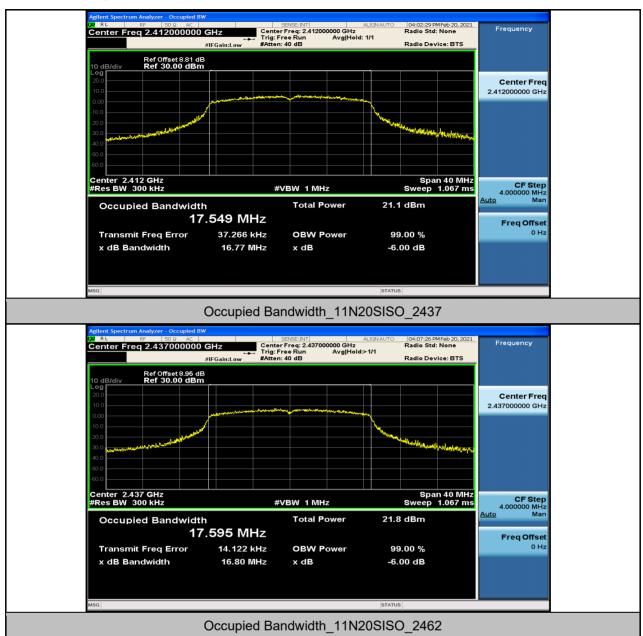
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3.Maximum conducted (average) output power

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	15.1	0.05	15.15	30	PASS
11B	2437	Ant1	15.9	0.05	15.95	30	PASS
11B	2462	Ant1	15.59	0.05	15.64	30	PASS
11G	2412	Ant1	14.5	0.31	14.81	30	PASS
11G	2437	Ant1	15.2	0.32	15.52	30	PASS
11G	2462	Ant1	14.01	0.31	14.32	30	PASS
11N20SISO	2412	Ant1	14.2	0.33	14.53	30	PASS
11N20SISO	2437	Ant1	15	0.33	15.32	30	PASS
11N20SISO	2462	Ant1	14.75	0.33	15.08	30	PASS



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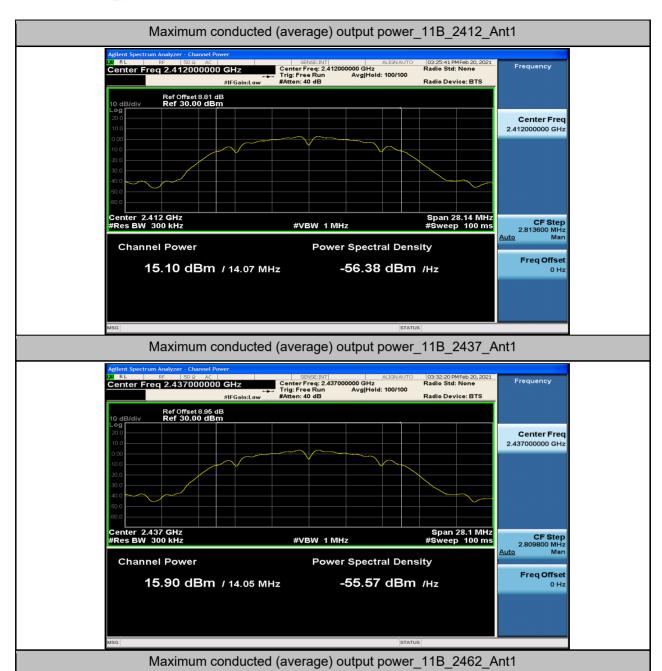
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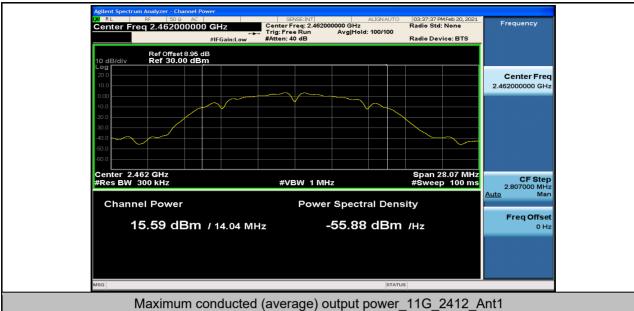
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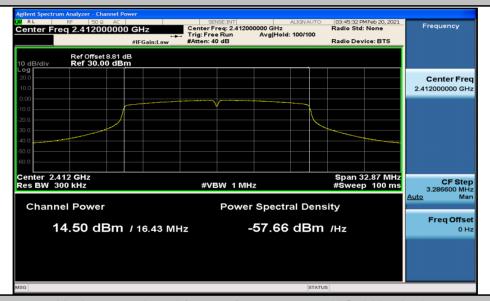
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Maximum conducted (average) output power_11G_2437_Ant1

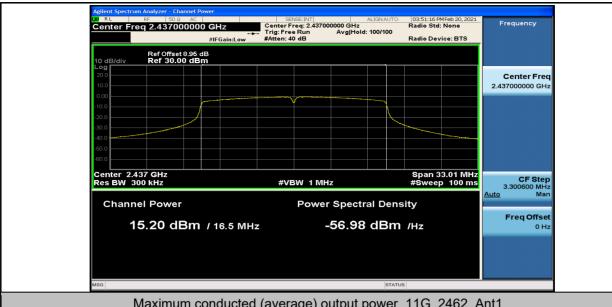
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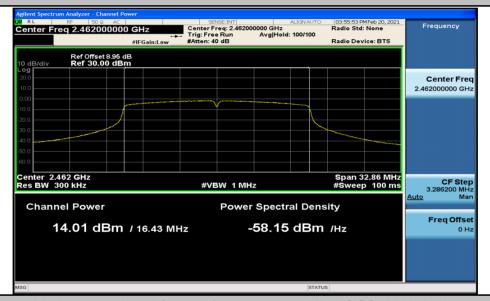
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Maximum conducted (average) output power 11G 2462 Ant1



Maximum conducted (average) output power_11N20SISO_2412_Ant1



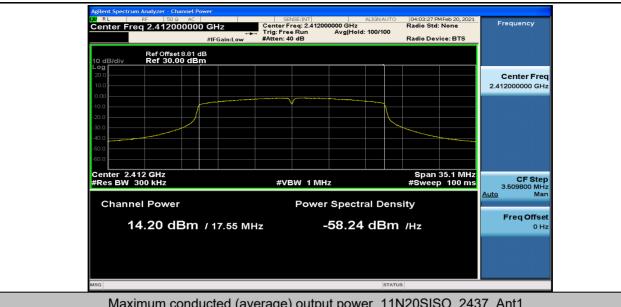
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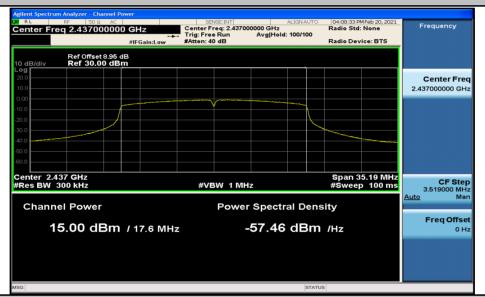
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Maximum conducted (average) output power 11N20SISO 2437 Ant1



Maximum conducted (average) output power_11N20SISO_2462_Ant1



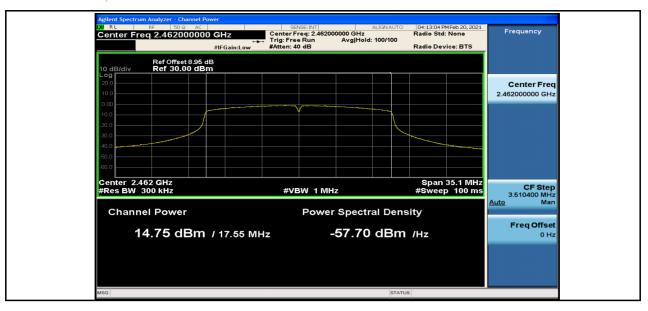
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4.Maximum(average) power spectral density

Test Mode	Test Channel	Ant	Level [dBm/3kHz]	10log(1/x) Factor[dB]	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-16.14	0.05	-16.09	8.00	PASS
11B	2437	Ant1	-15.42	0.05	-15.37	8.00	PASS
11B	2462	Ant1	-15.84	0.05	-15.79	8.00	PASS
11G	2412	Ant1	-19.12	0.31	-18.81	8.00	PASS
11G	2437	Ant1	-18.74	0.32	-18.42	8.00	PASS
11G	2462	Ant1	-19.71	0.31	-19.40	8.00	PASS
11N20SISO	2412	Ant1	-19.53	0.33	-19.20	8.00	PASS
11N20SISO	2437	Ant1	-18.52	0.33	-18.19	8.00	PASS
11N20SISO	2462	Ant1	-19.14	0.33	-18.81	8.00	PASS

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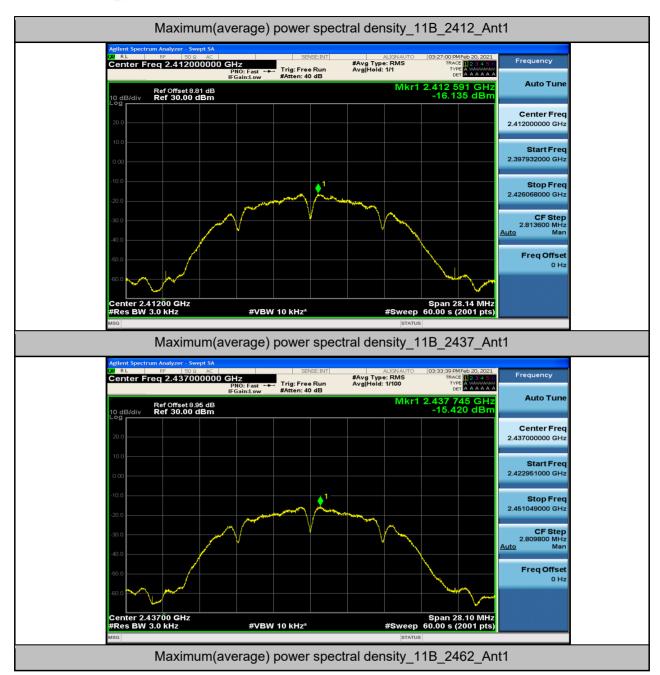
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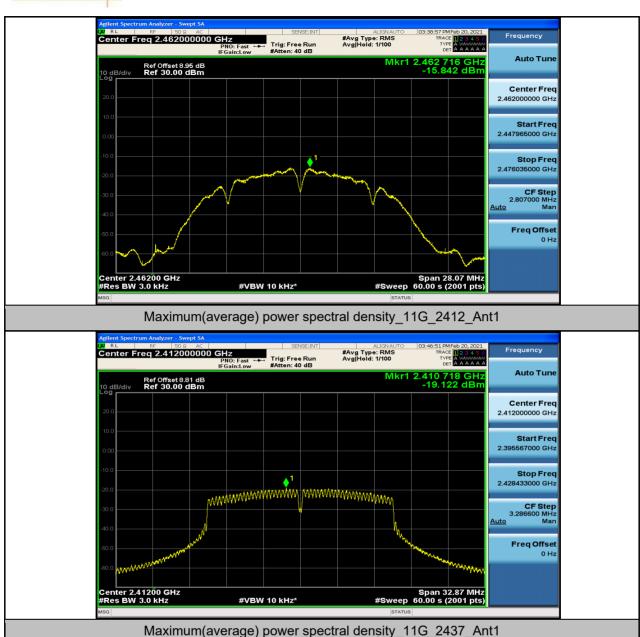
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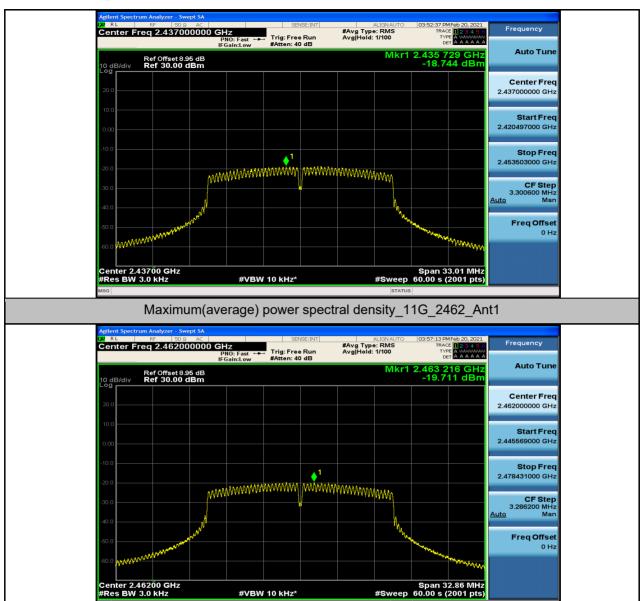
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Maximum(average) power spectral density 11N20SISO 2412 Ant1



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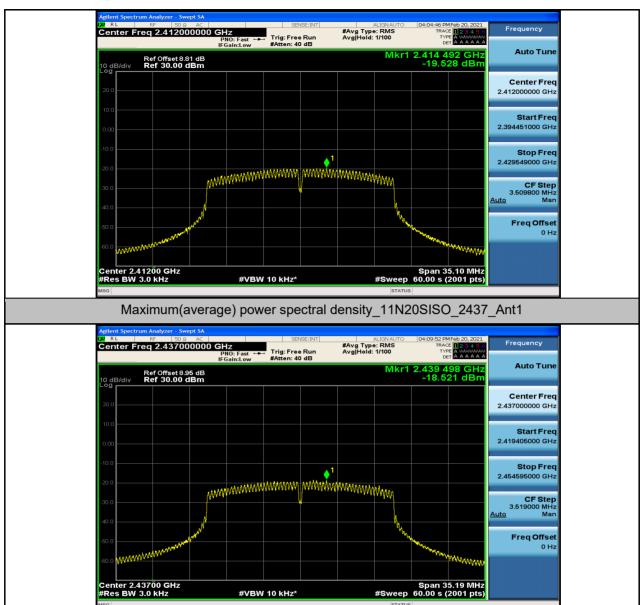
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Maximum(average) power spectral density 11N20SISO 2462 Ant1



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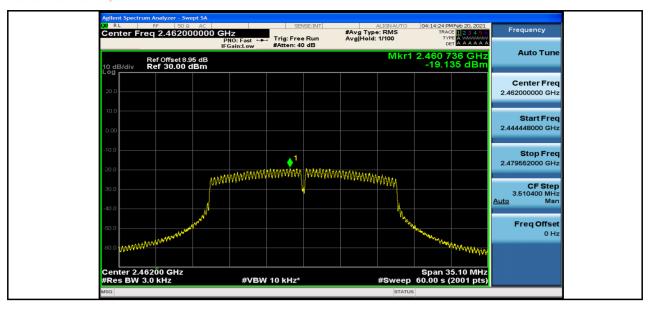
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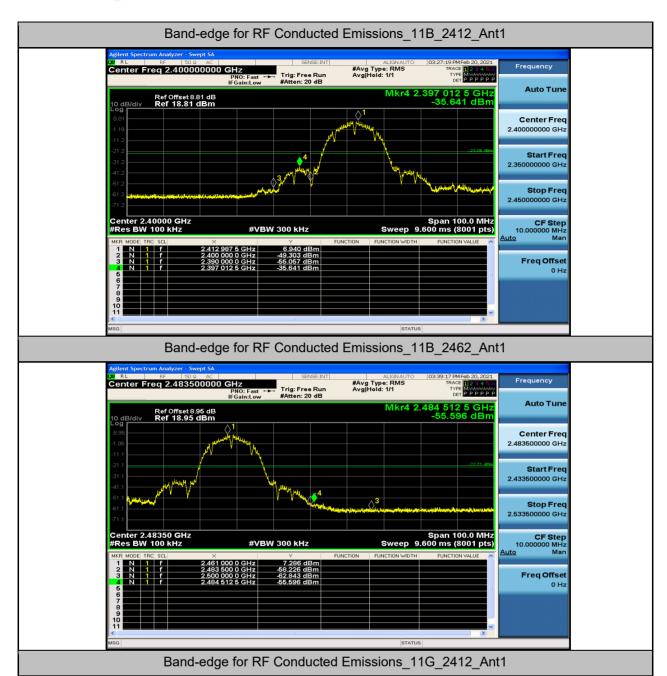
5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	6.94	-35.64	-23.06	PASS
11B	2462	Ant1	7.29	-55.60	-22.71	PASS
11G	2412	Ant1	3.08	-30.72	-26.93	PASS
11G	2462	Ant1	3.27	-42.94	-26.73	PASS
11N20SISO	2412	Ant1	4.49	-30.19	-25.51	PASS
11N20SISO	2462	Ant1	4.75	-42.02	-25.25	PASS



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Band-edge for RF Conducted Emissions 11N20SISO 2412 Ant1

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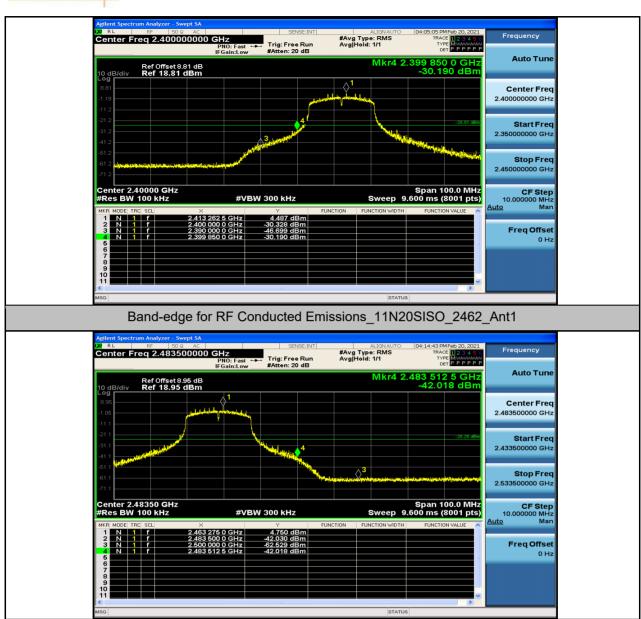
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6.RF Conducted Spurious Emissions

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	6.98	-51.92	<- 23.02	PASS
11B	2412	Ant1	10000	26000	100	300	6.979	-45.017	<- 23.021	PASS
11B	2437	Ant1	30	10000	100	300	8.18	-49.90	<- 21.82	PASS
11B	2437	Ant1	10000	26000	100	300	8.184	-44.365	<- 21.816	PASS
11B	2462	Ant1	30	10000	100	300	7.72	-46.62	<- 22.28	PASS
11B	2462	Ant1	10000	26000	100	300	7.721	-43.386	<- 22.279	PASS
11G	2412	Ant1	30	10000	100	300	4.62	-54.49	<- 25.38	PASS
11G	2412	Ant1	10000	26000	100	300	4.622	-43.883	<- 25.378	PASS
11G	2437	Ant1	30	10000	100	300	4.48	-54.54	<- 25.52	PASS
11G	2437	Ant1	10000	26000	100	300	4.483	-44.409	<- 25.517	PASS
11G	2462	Ant1	30	10000	100	300	3.99	-53.08	<- 26.01	PASS
11G	2462	Ant1	10000	26000	100	300	3.991	-44.976	<- 26.009	PASS
11N20SISO	2412	Ant1	30	10000	100	300	3.65	-52.59	<- 26.35	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	3.649	-43.624	<- 26.351	PASS
11N20SISO	2437	Ant1	30	10000	100	300	4.75	-53.60	<- 25.25	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	4.747	-44.172	<- 25.253	PASS
11N20SISO	2462	Ant1	30	10000	100	300	4.57	-53.74	<- 25.43	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	4.567	-44.497	<- 25.433	PASS



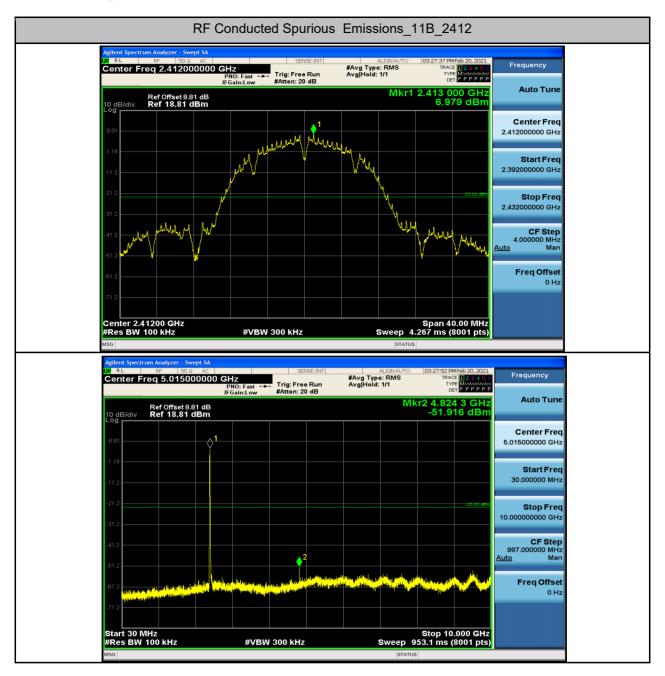
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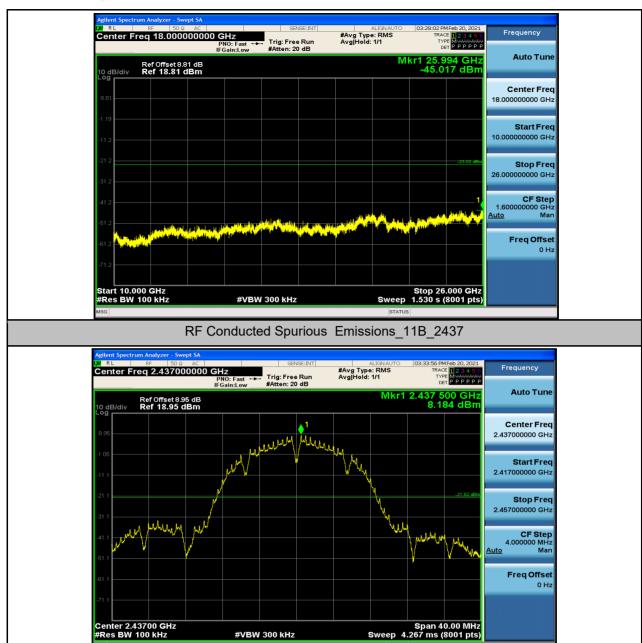




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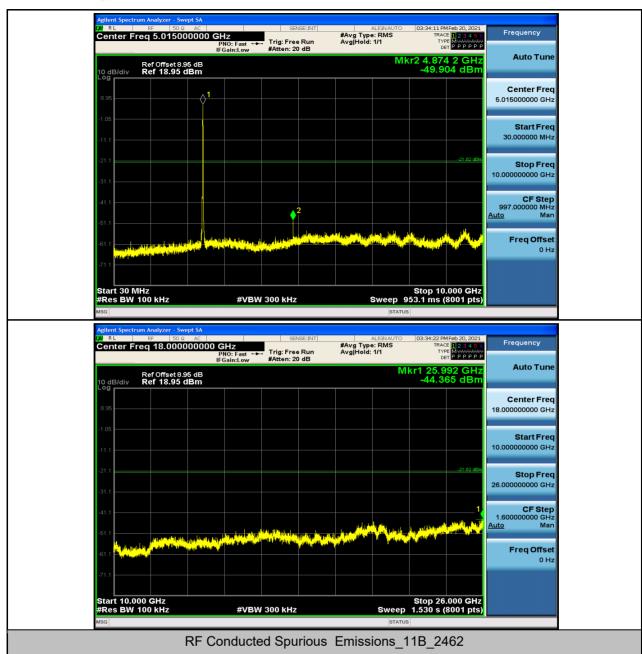
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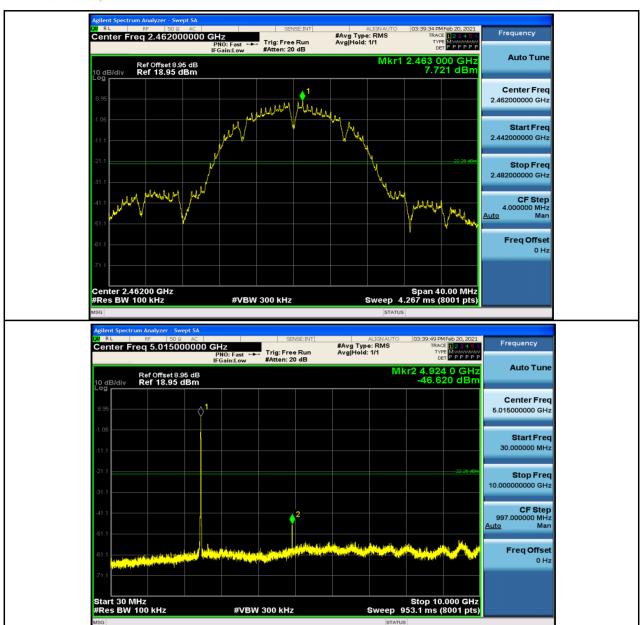
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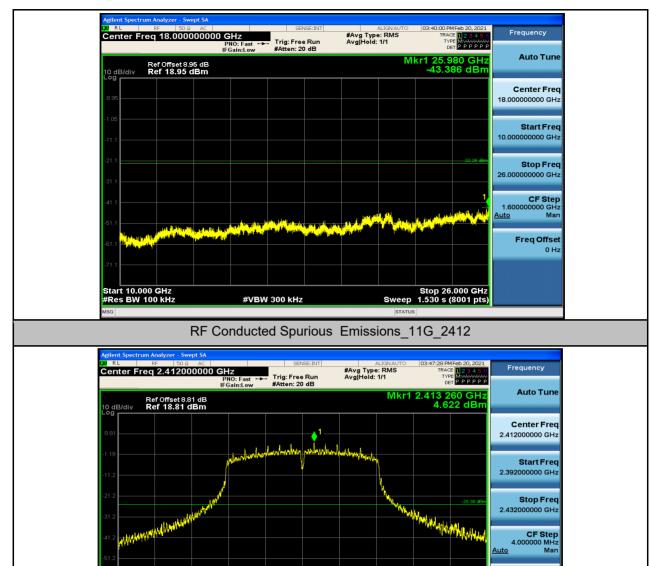


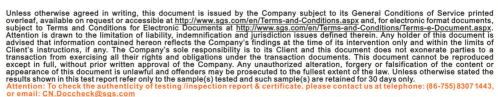
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Span 40.00 MHz Sweep 4.267 ms (8001 pts)

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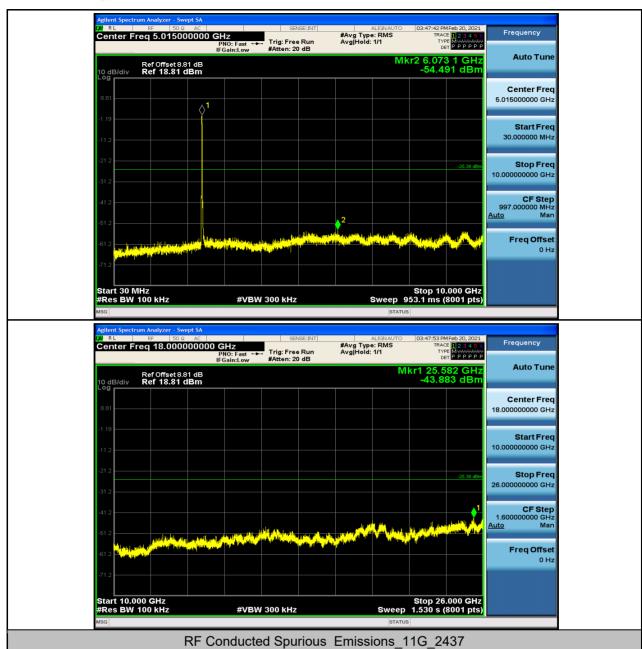
Center 2.41200 GHz #Res BW 100 kHz

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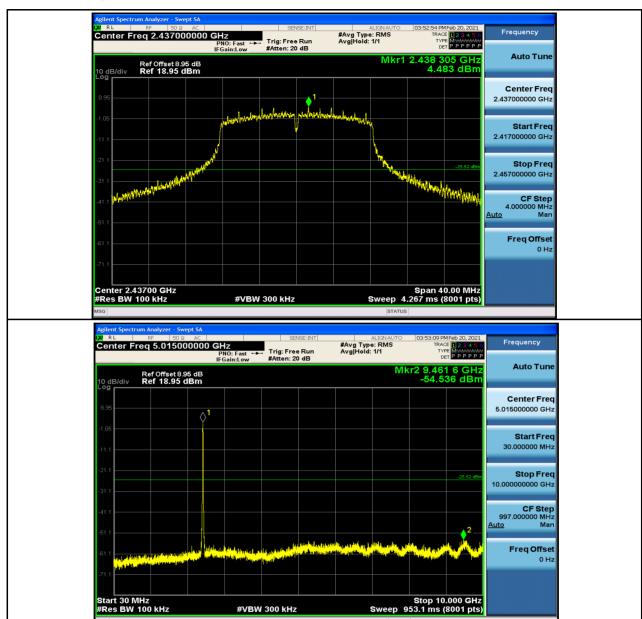
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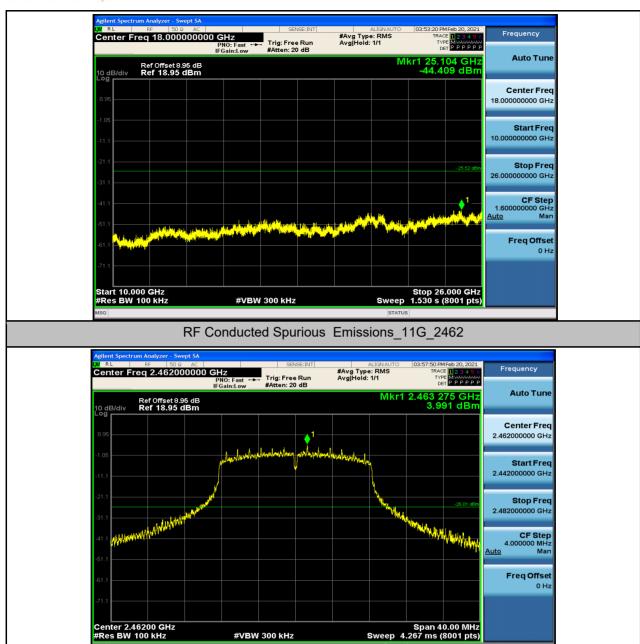


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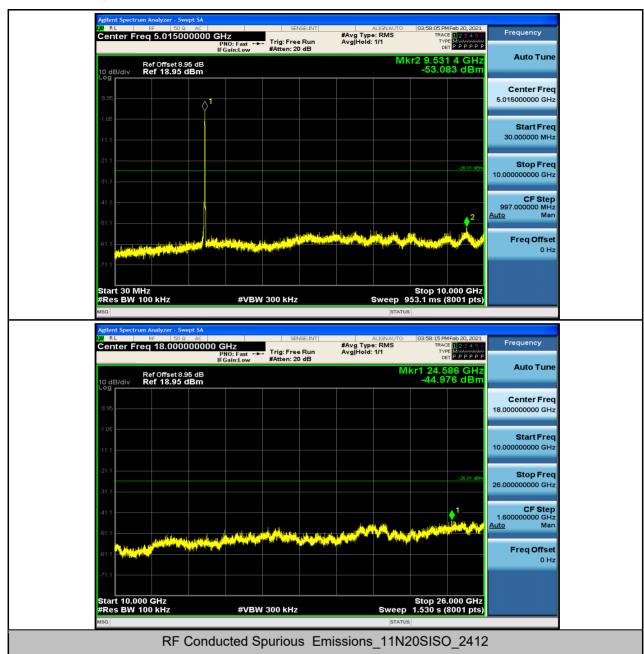
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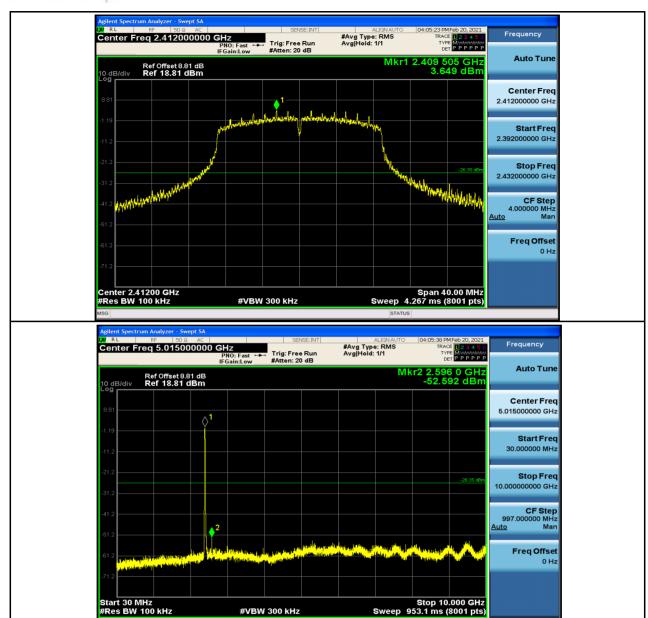
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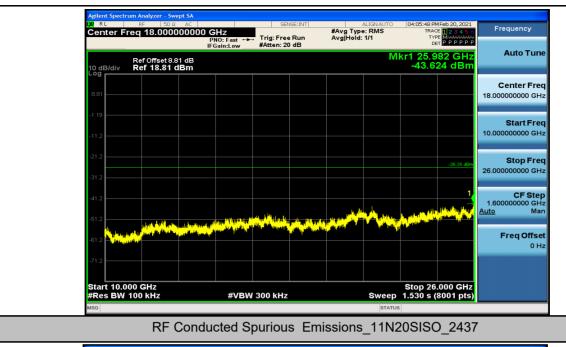
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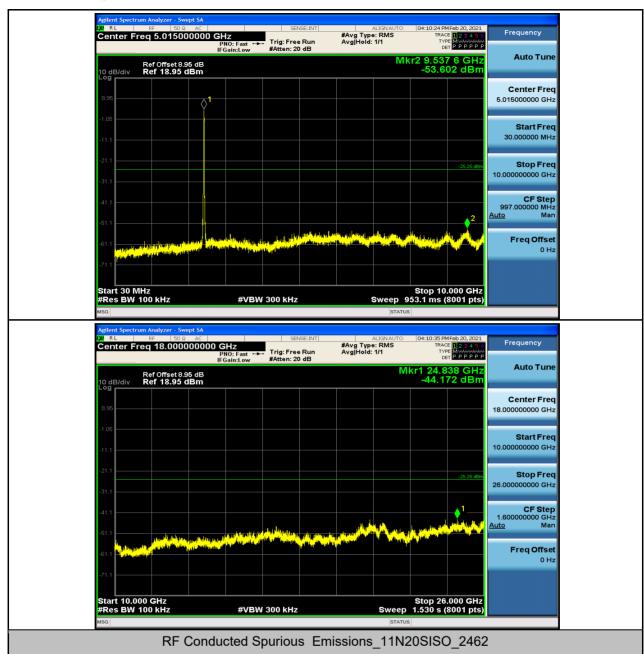
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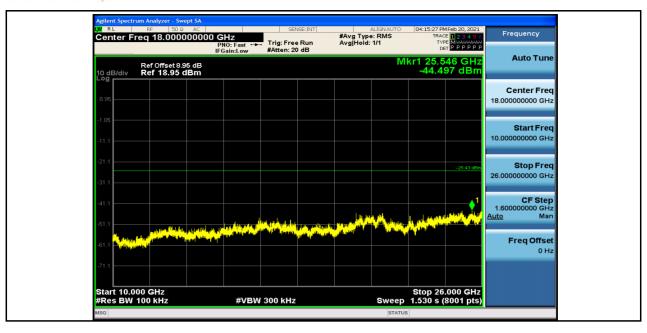


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7.Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	98.81	0.05
11B	2437	Ant1	98.84	0.05
11B	2462	Ant1	98.84	0.05
11G	2412	Ant1	93.05	0.31
11G	2437	Ant1	92.88	0.32
11G	2462	Ant1	93.05	0.31
11N20SISO	2412	Ant1	92.77	0.33
11N20SISO	2437	Ant1	92.77	0.33
11N20SISO	2462	Ant1	92.59	0.33

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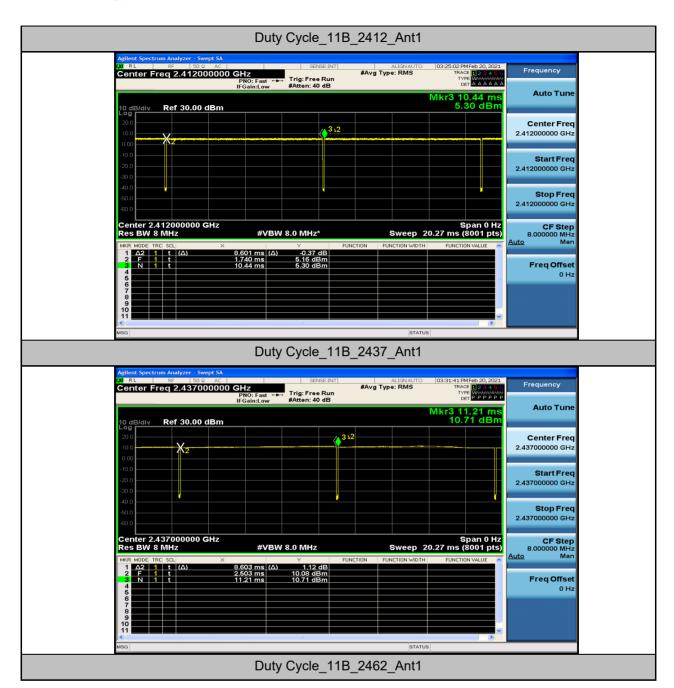
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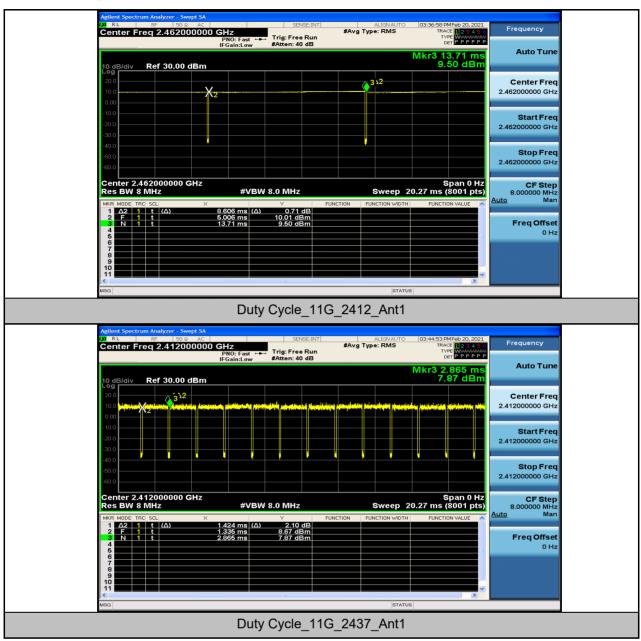
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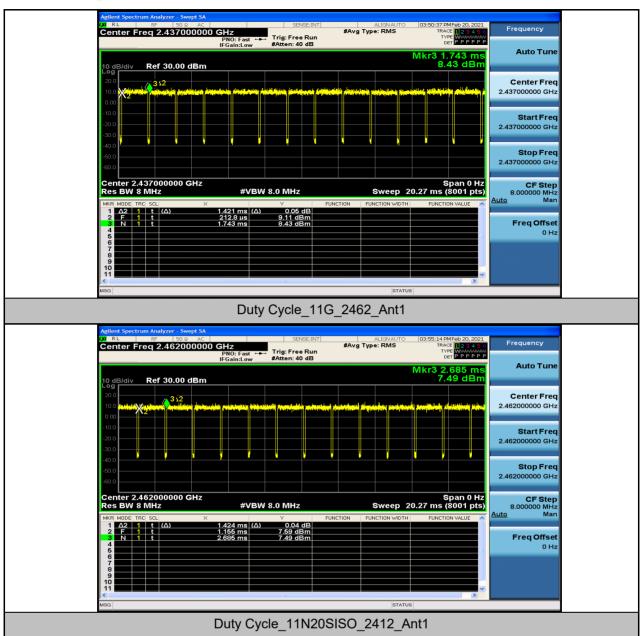
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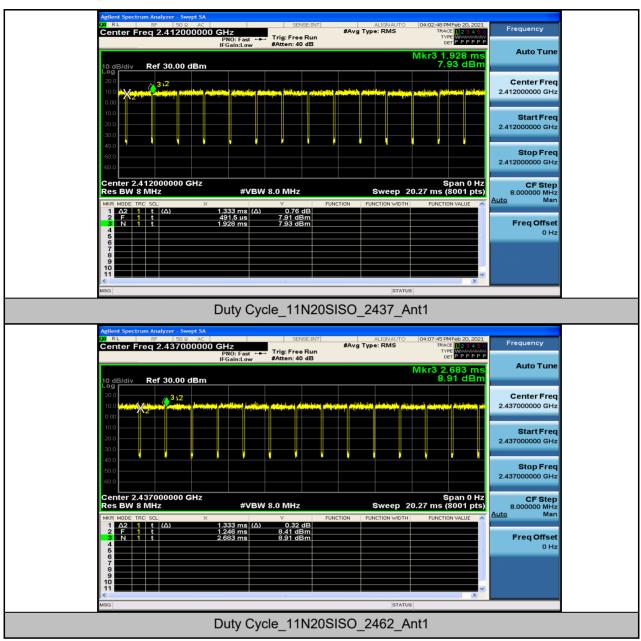
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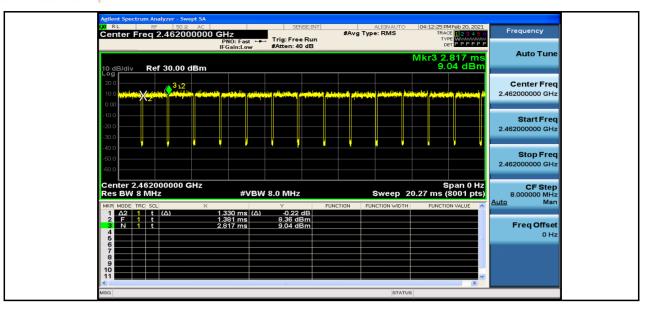
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