

Appendix A for SHEM210600567701

1.6dB Bandwidth

Test Mode	Test	EBW[MHz]		Limit	Verdict
		Ant1	Ant2		
11B	2412	10.03	10.03	0.5	PASS
11B	2437	10.06	9.54	0.5	PASS
11B	2462	9.07	10.03	0.5	PASS
11G	2412	15.07	15.12	0.5	PASS
11G	2437	14.44	15.01	0.5	PASS
11G	2462	15.10	15.06	0.5	PASS
11N20MIMO	2412	15.04	15.11	0.5	PASS
11N20MIMO	2437	15.07	15.10	0.5	PASS
11N20MIMO	2462	15.09	15.04	0.5	PASS



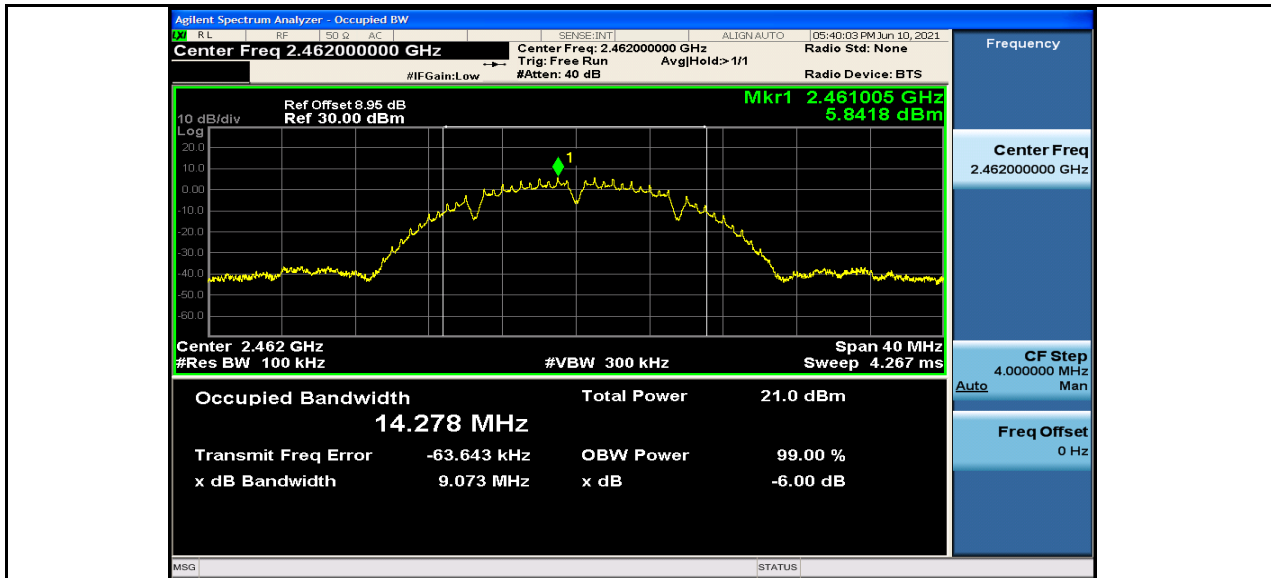
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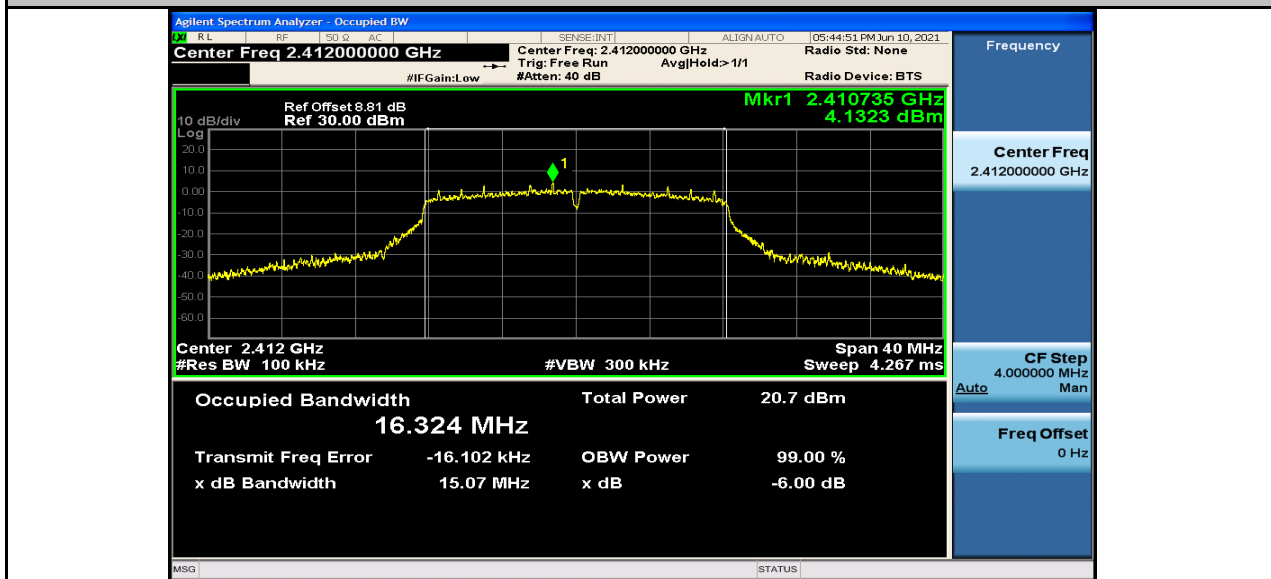


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6dB Bandwidth_11G_2412_Ant1

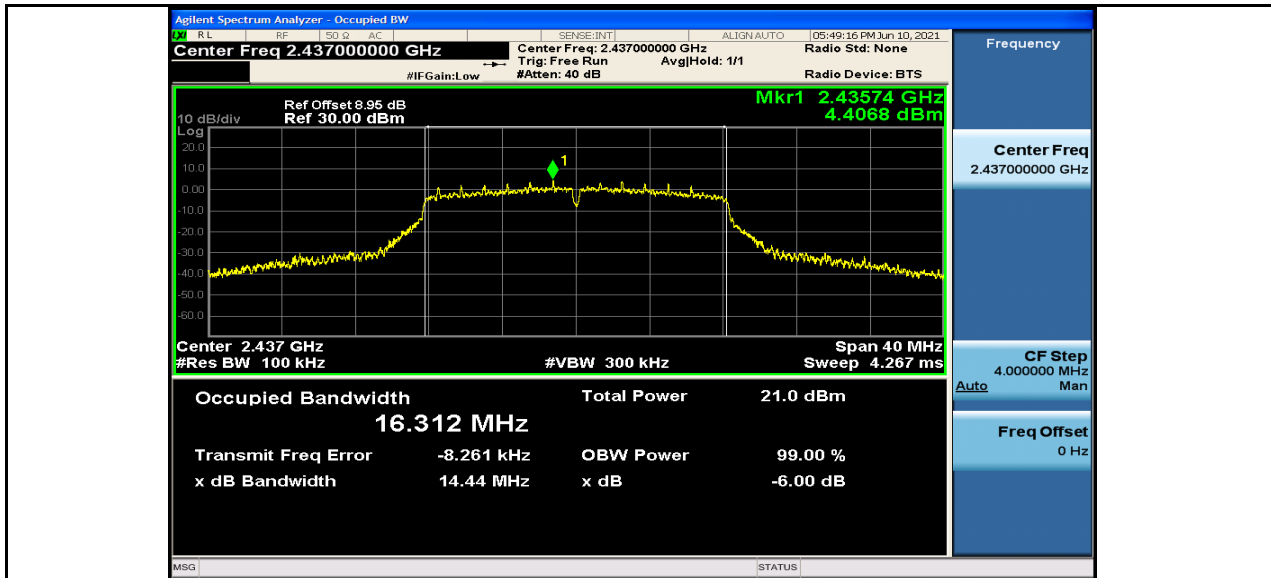


6dB Bandwidth_11G_2437_Ant1

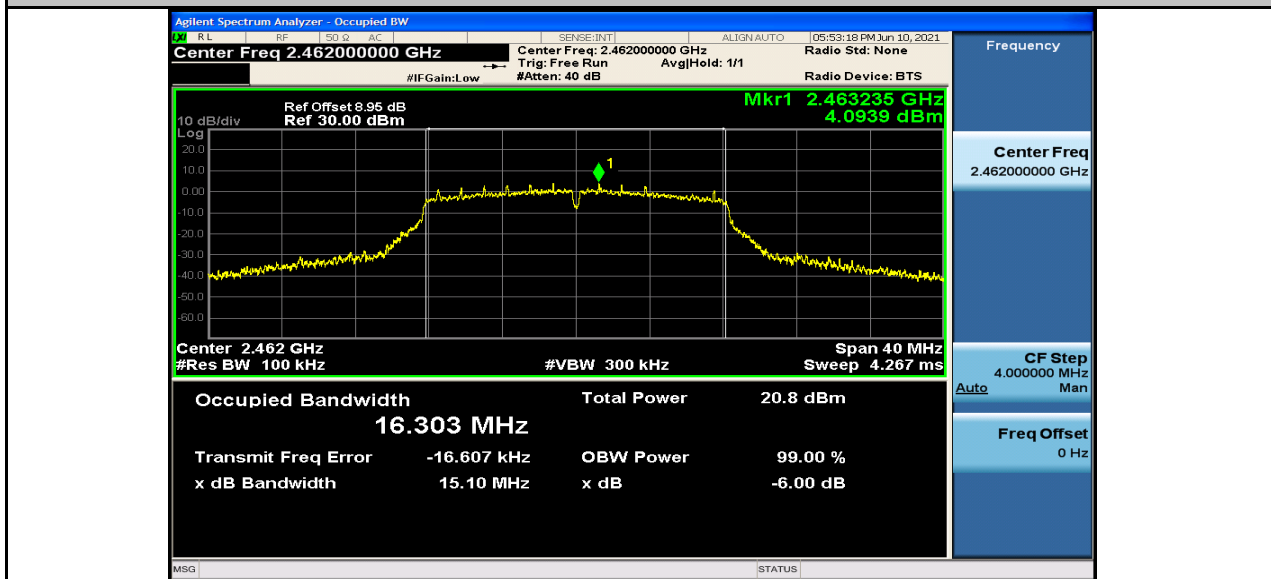


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6dB Bandwidth_11G_2462_Ant1

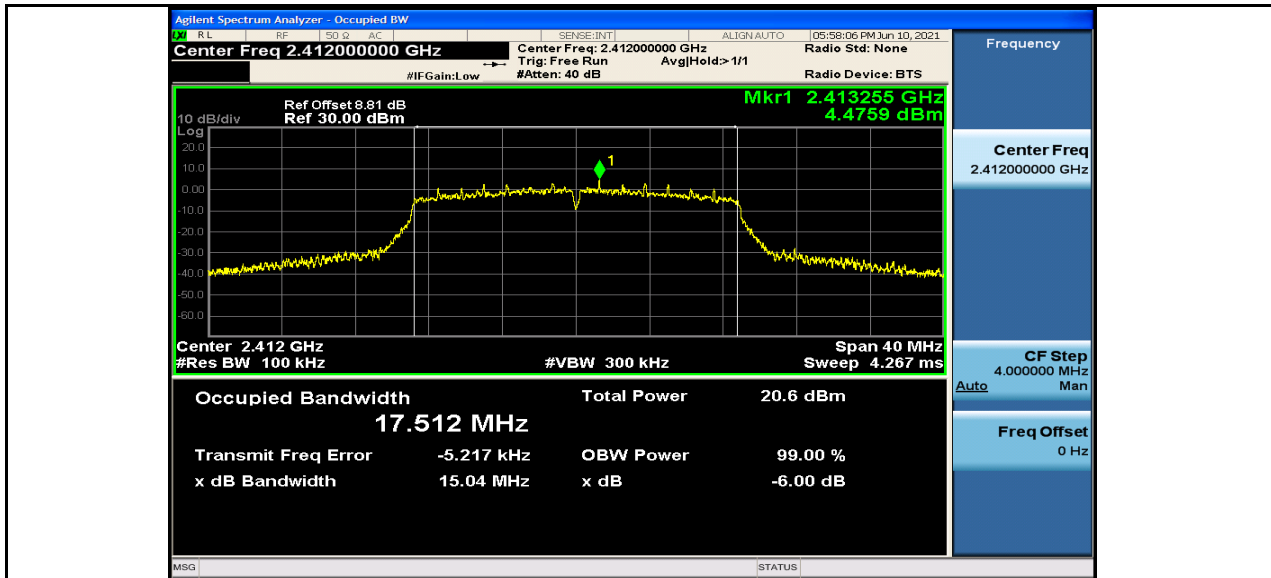


6dB Bandwidth_11N20MIMO_2412_Ant1

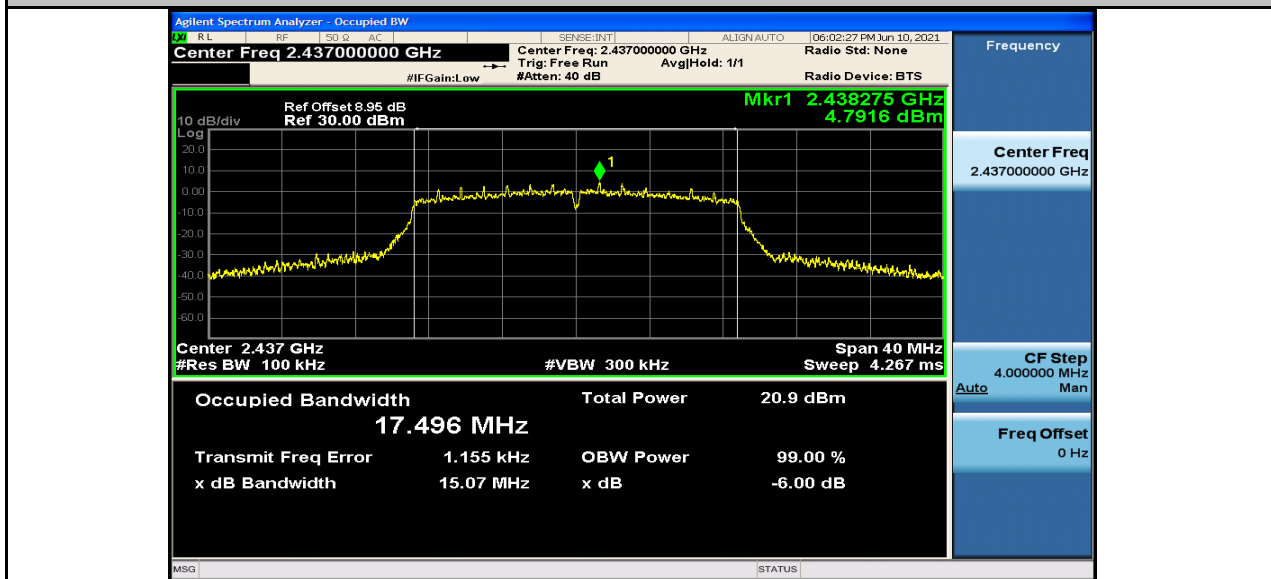


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6dB Bandwidth_11N20MIMO_2437_Ant1

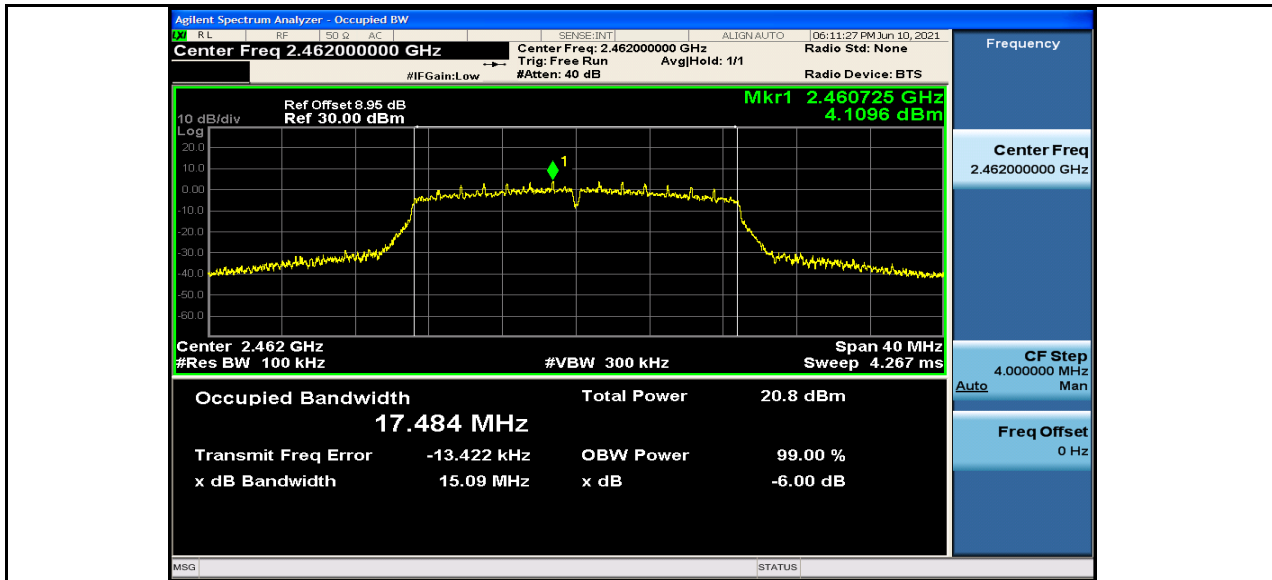


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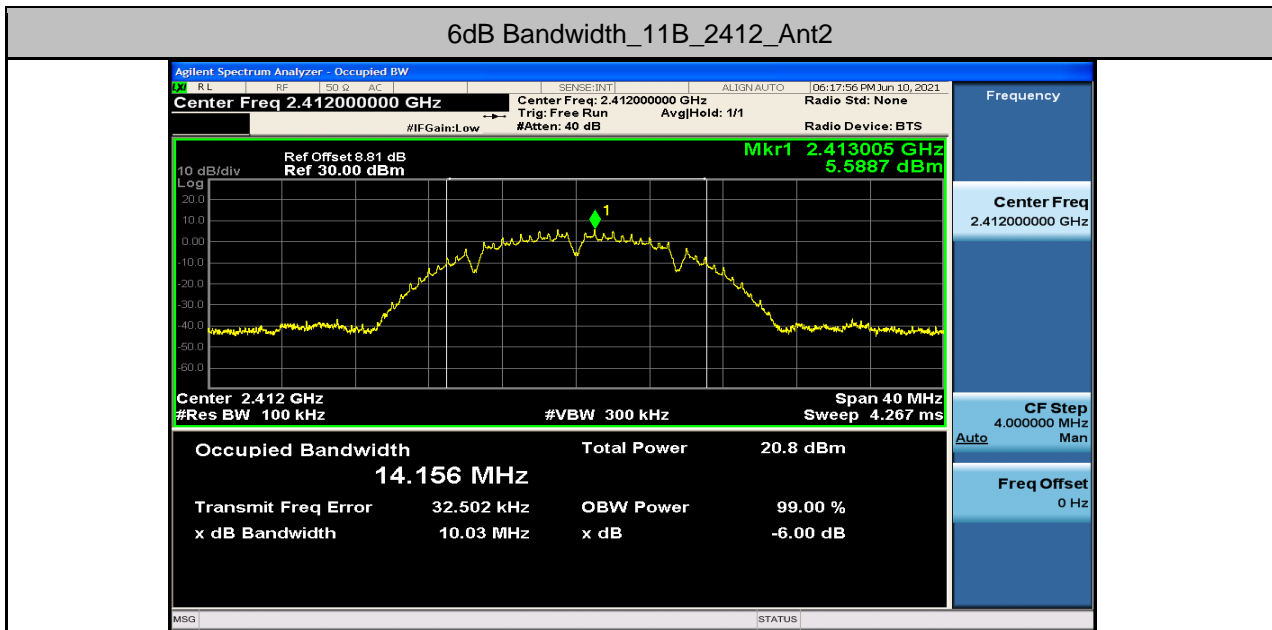


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6dB Bandwidth_11B_2412_Ant2

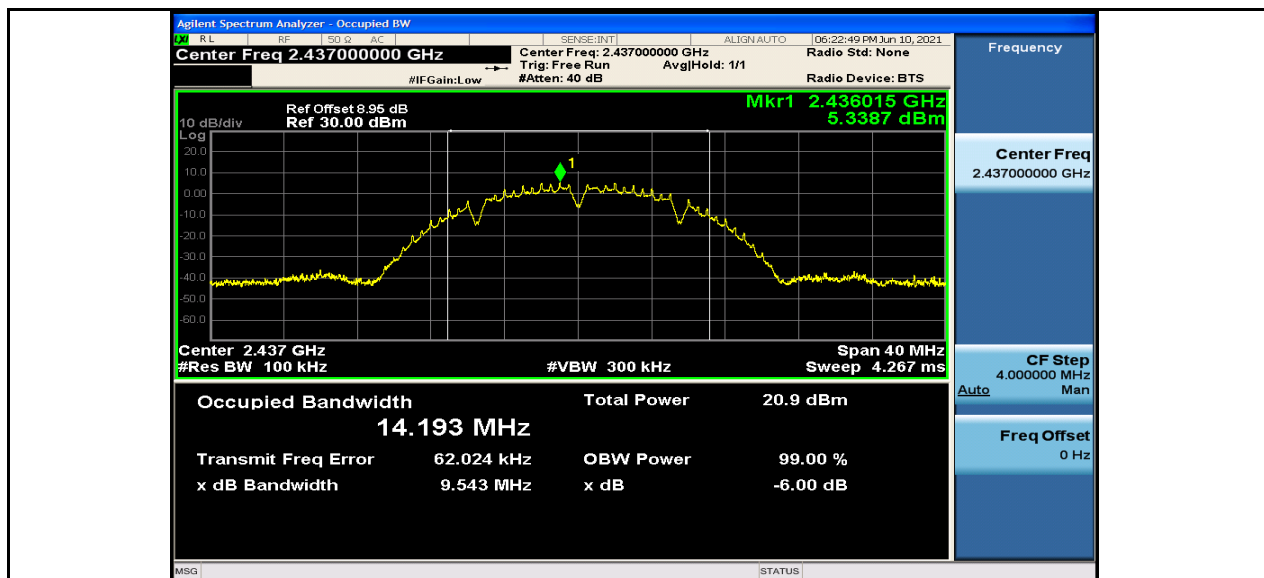


6dB Bandwidth_11B_2437_Ant2

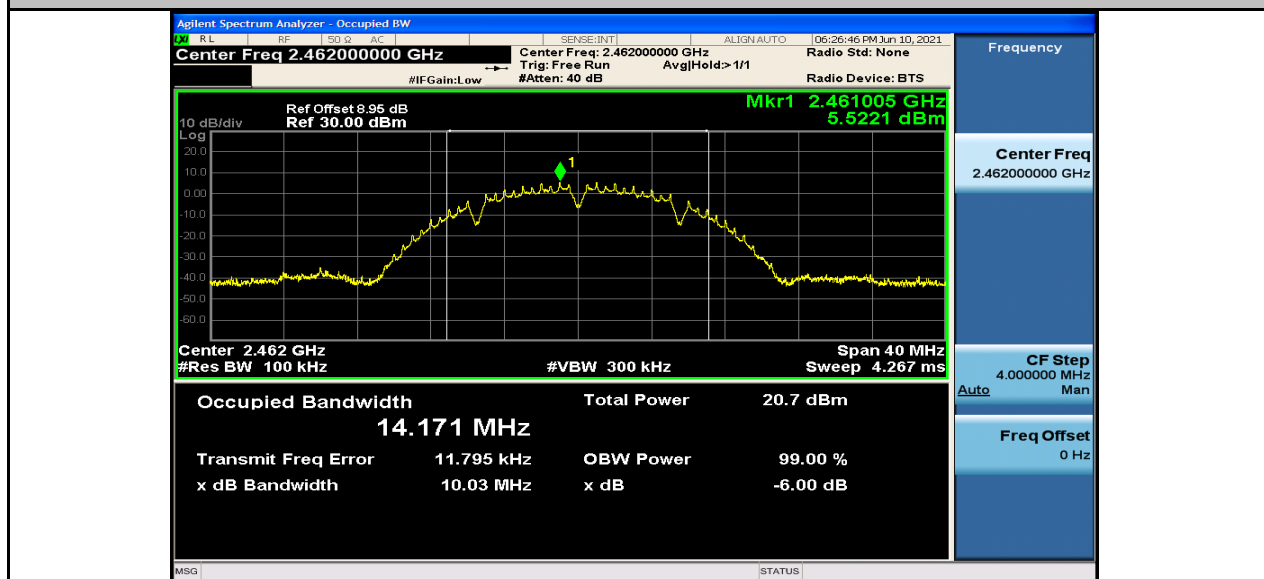


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6dB Bandwidth_11B_2462_Ant2

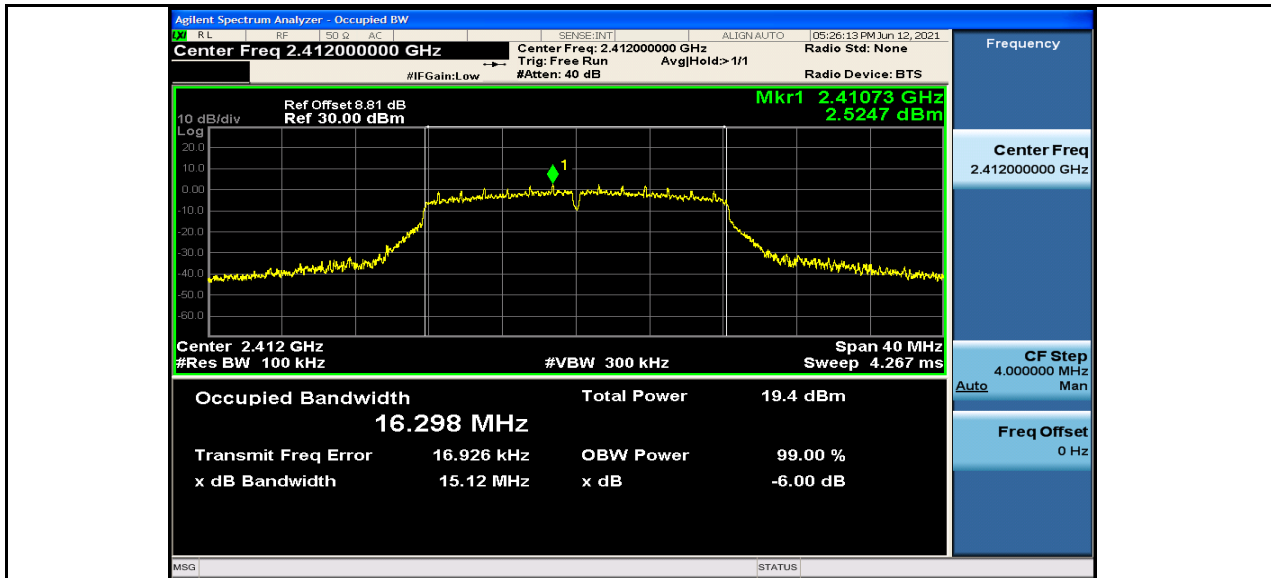


6dB Bandwidth_11G_2412_Ant2

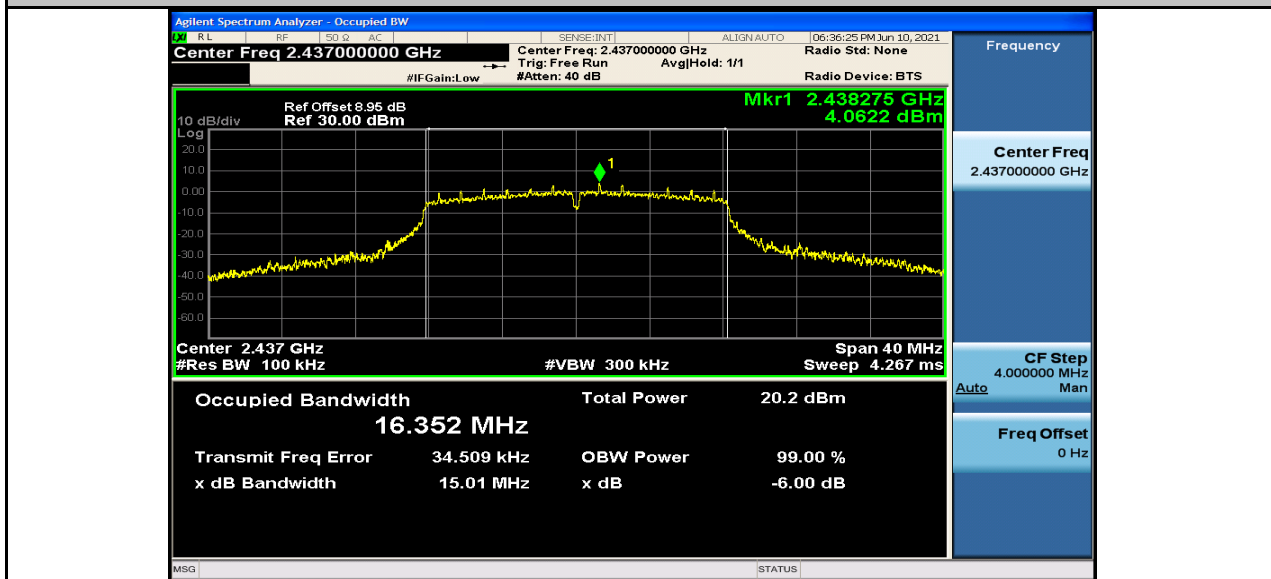


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6dB Bandwidth_11G_2437_Ant2

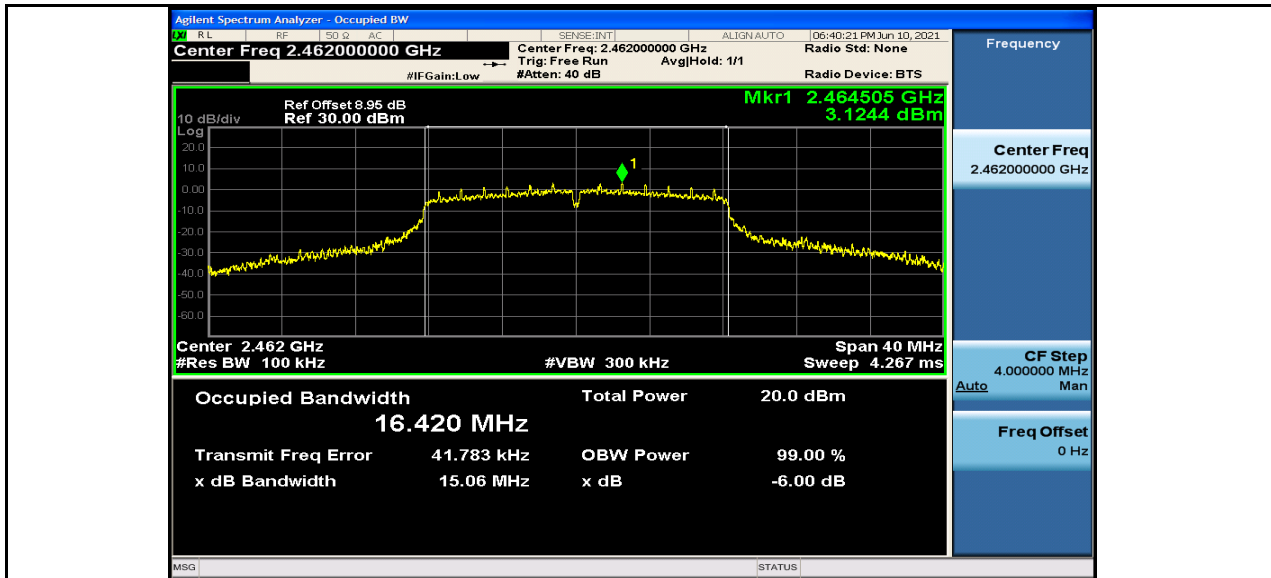


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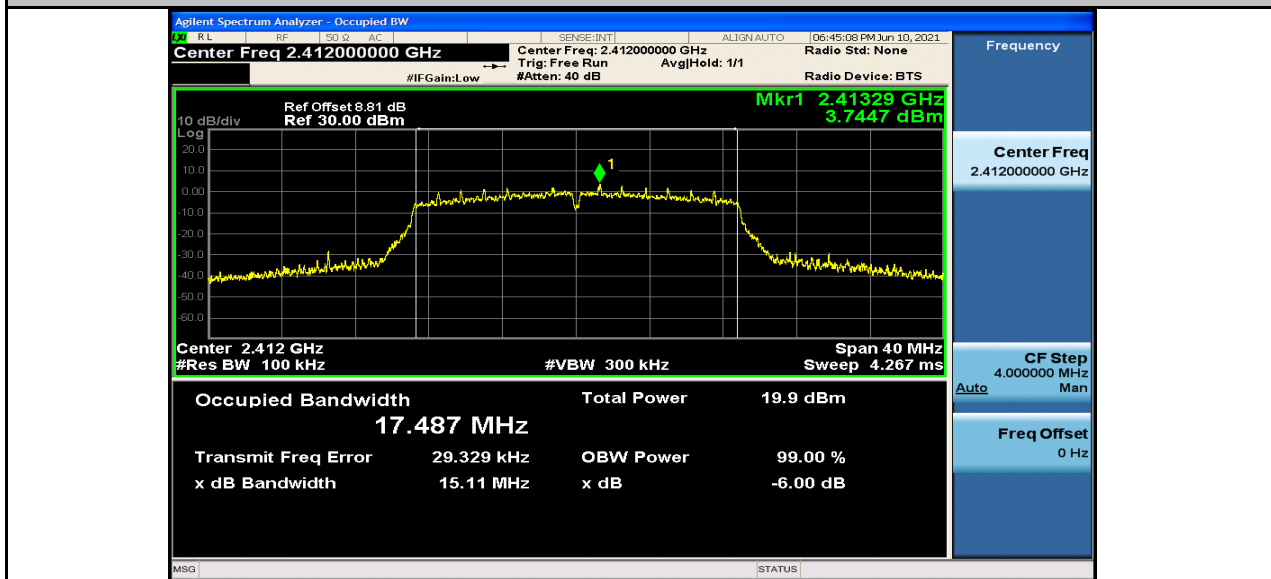


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6dB Bandwidth_11N20MIMO_2412_Ant2

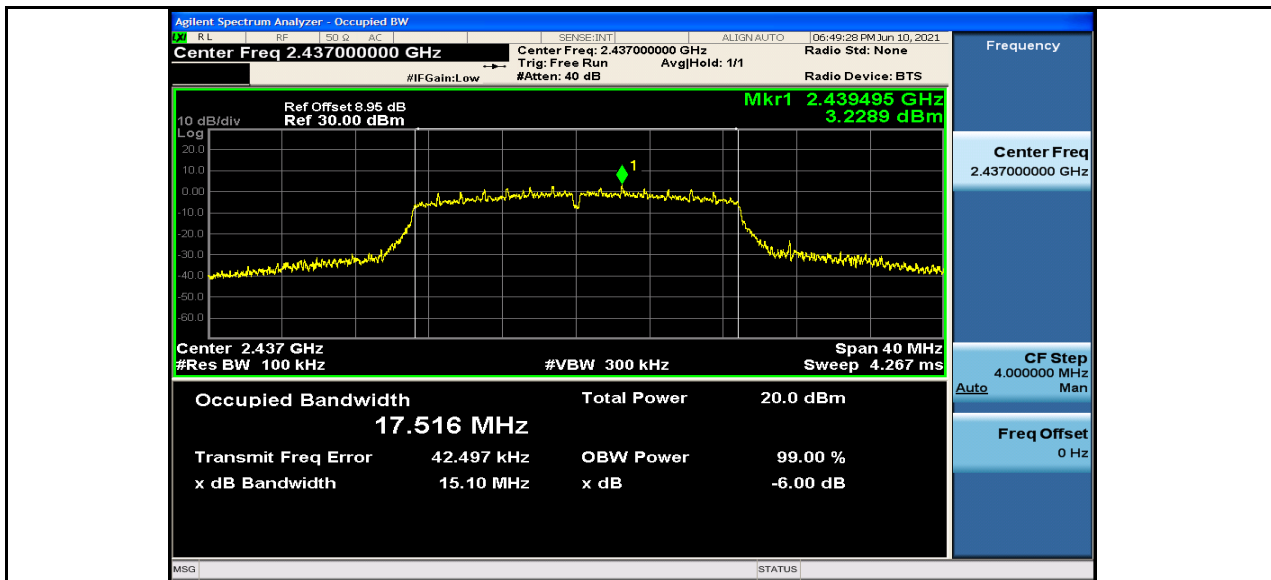


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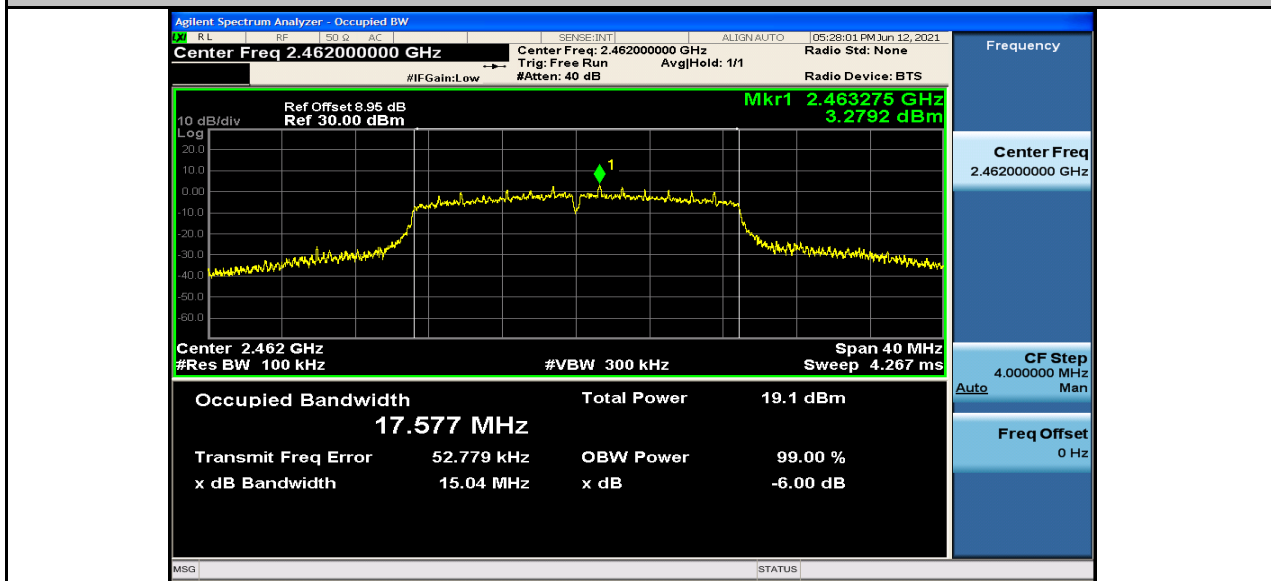


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2.Occupied Bandwidth

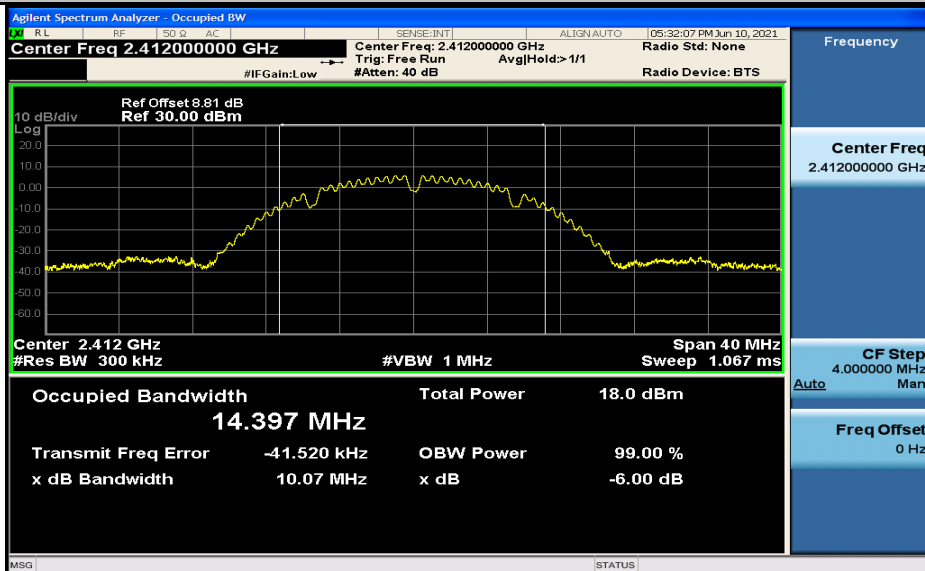
Test Mode	Test Channel	OBW[MHz]		Limit	Verdict
		Ant1	Ant2		
11B	2412	14.40	14.25	---	PASS
11B	2437	14.37	14.24	---	PASS
11B	2462	14.37	14.24	---	PASS
11G	2412	16.61	16.63	---	PASS
11G	2437	16.62	16.77	---	PASS
11G	2462	16.62	16.93	---	PASS
11N20MIMO	2412	17.59	17.58	---	PASS
11N20MIMO	2437	17.59	17.66	---	PASS
11N20MIMO	2462	17.57	17.79	---	PASS



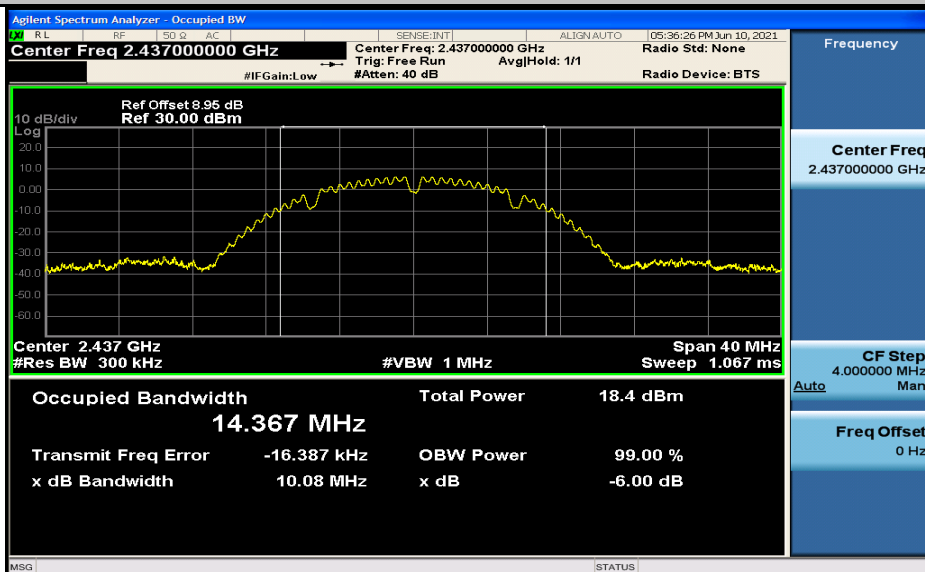
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Occupied Bandwidth_11B_2412_Ant1



Occupied Bandwidth_11B_2437_Ant1

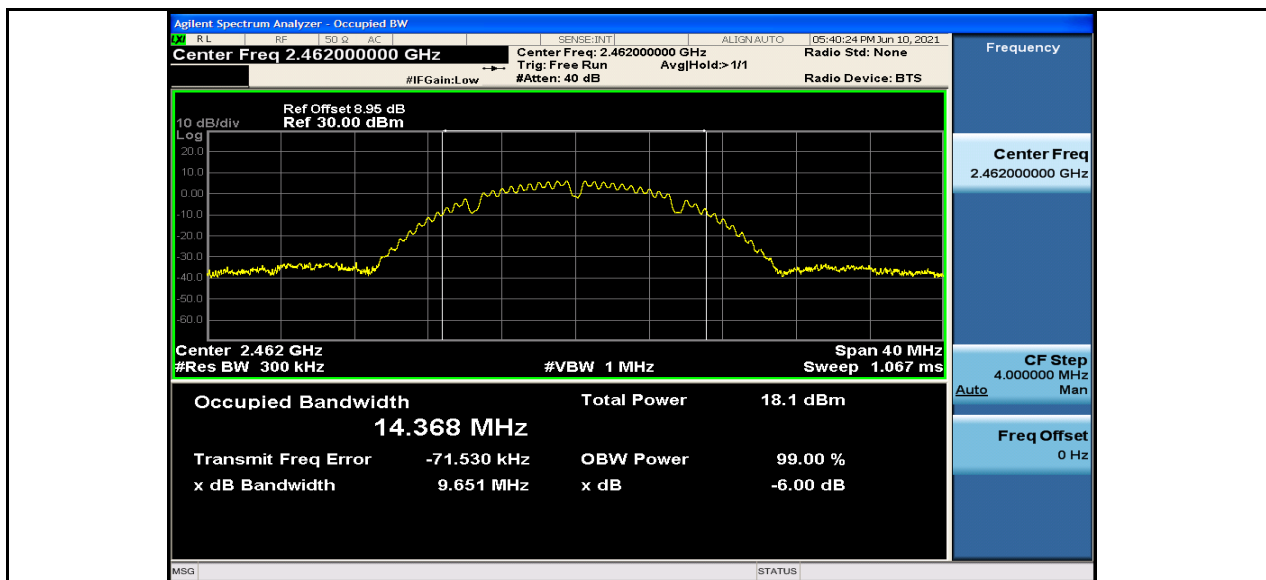


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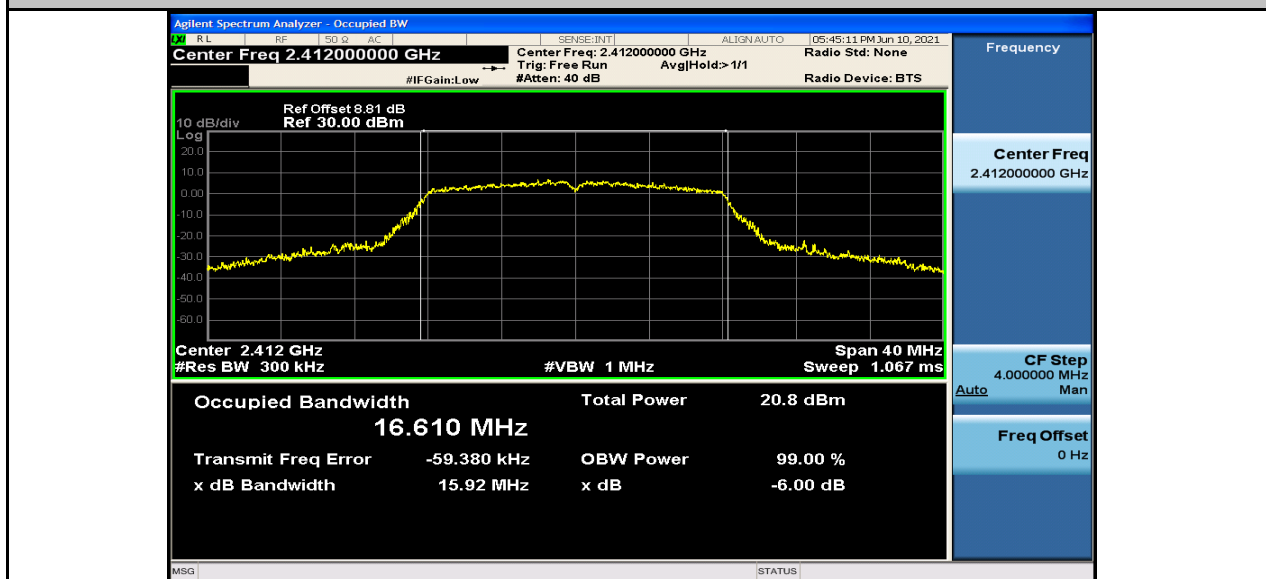


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Occupied Bandwidth_11G_2412_Ant1

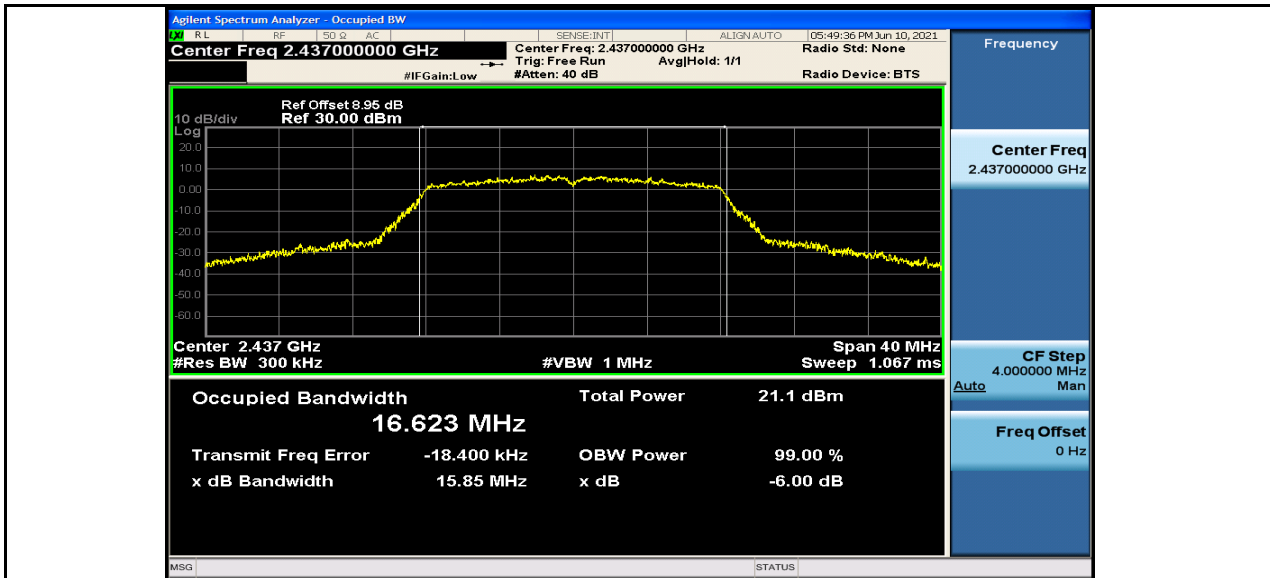


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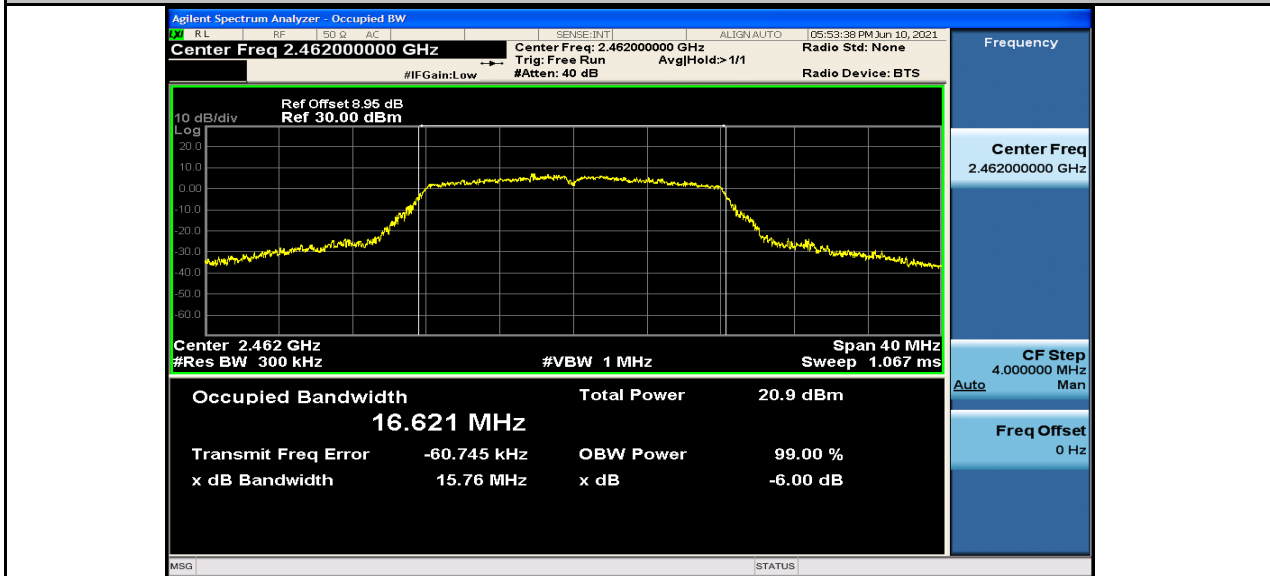


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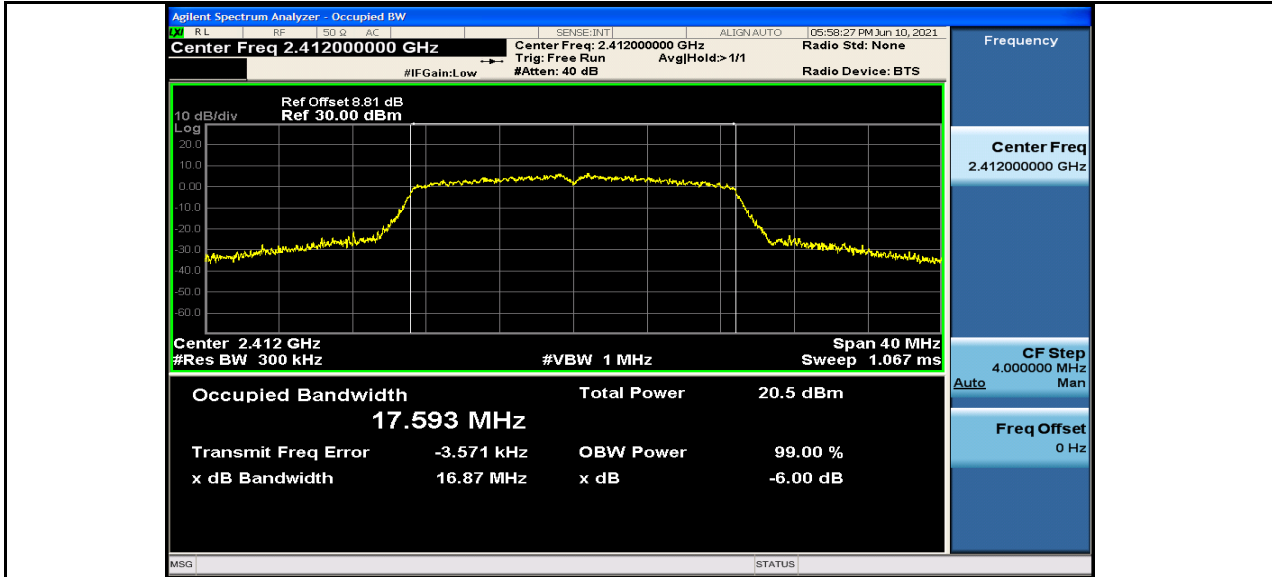


Occupied Bandwidth_11N20MIMO_2412_Ant1

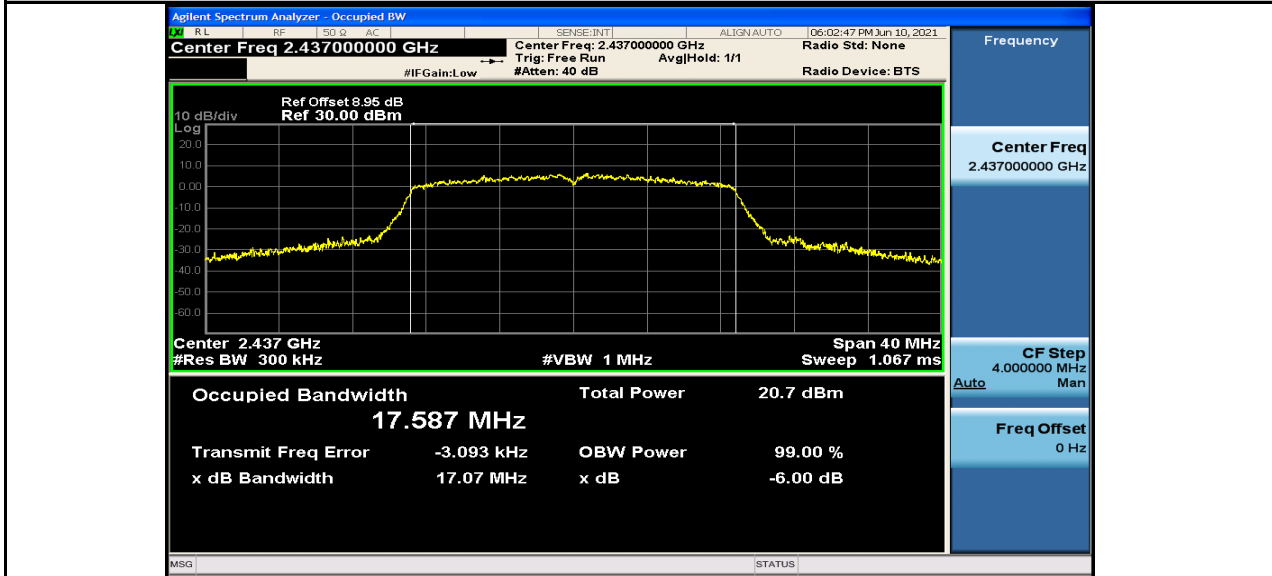


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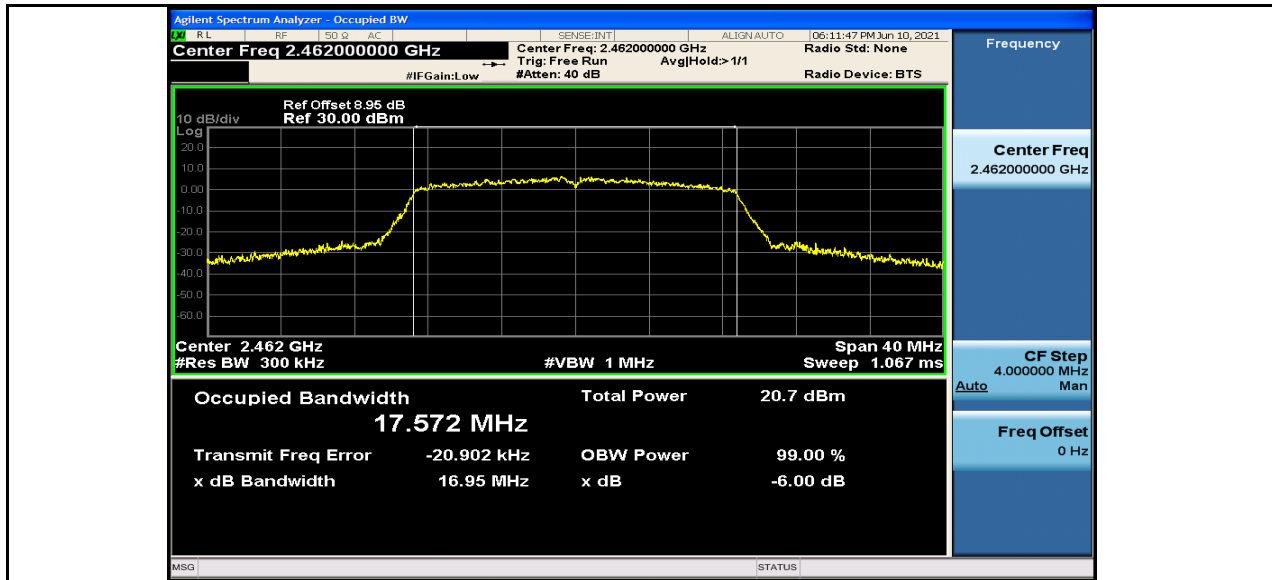


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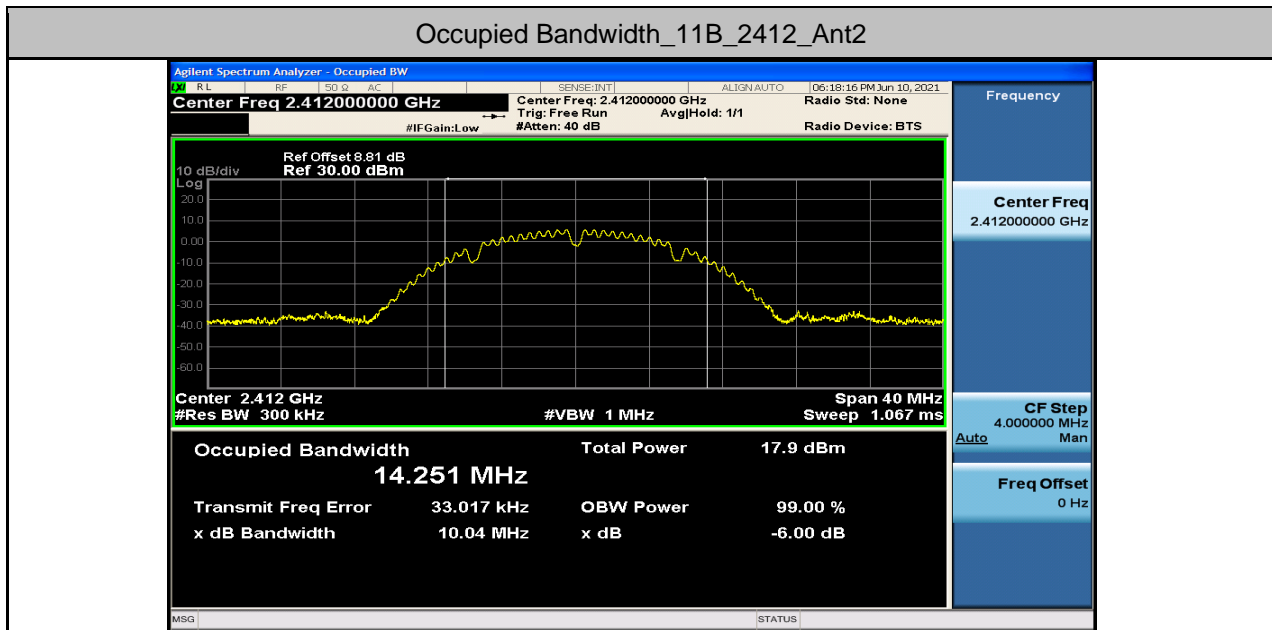


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Occupied Bandwidth_11B_2412_Ant2

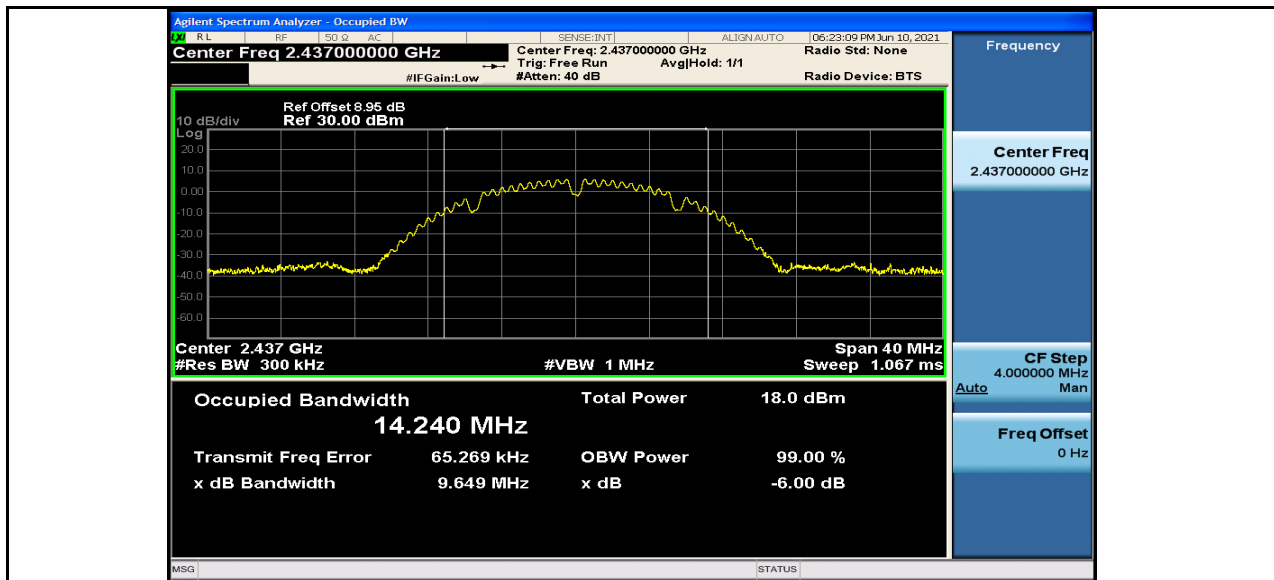


Occupied Bandwidth_11B_2437_Ant2

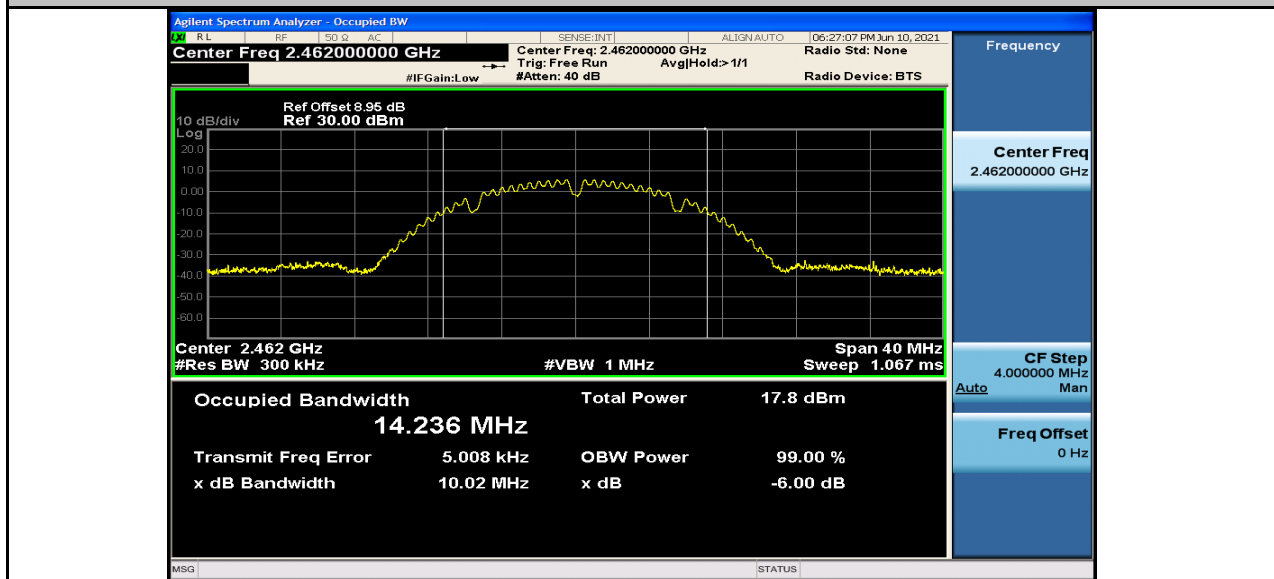


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Occupied Bandwidth_11B_2462_Ant2

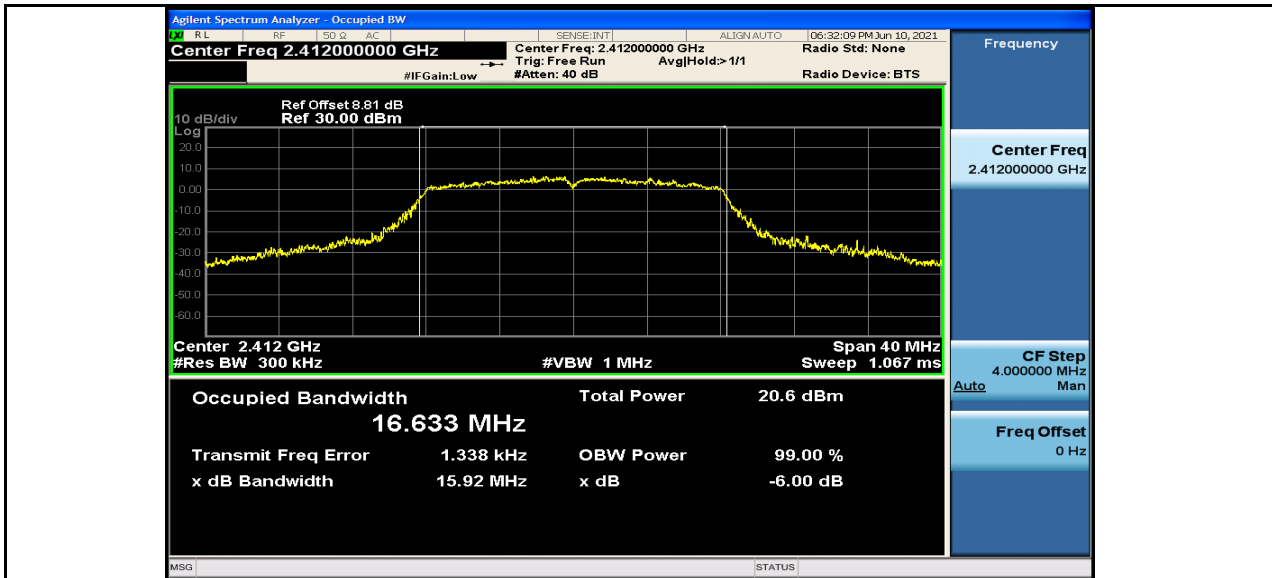


Occupied Bandwidth_11G_2412_Ant2

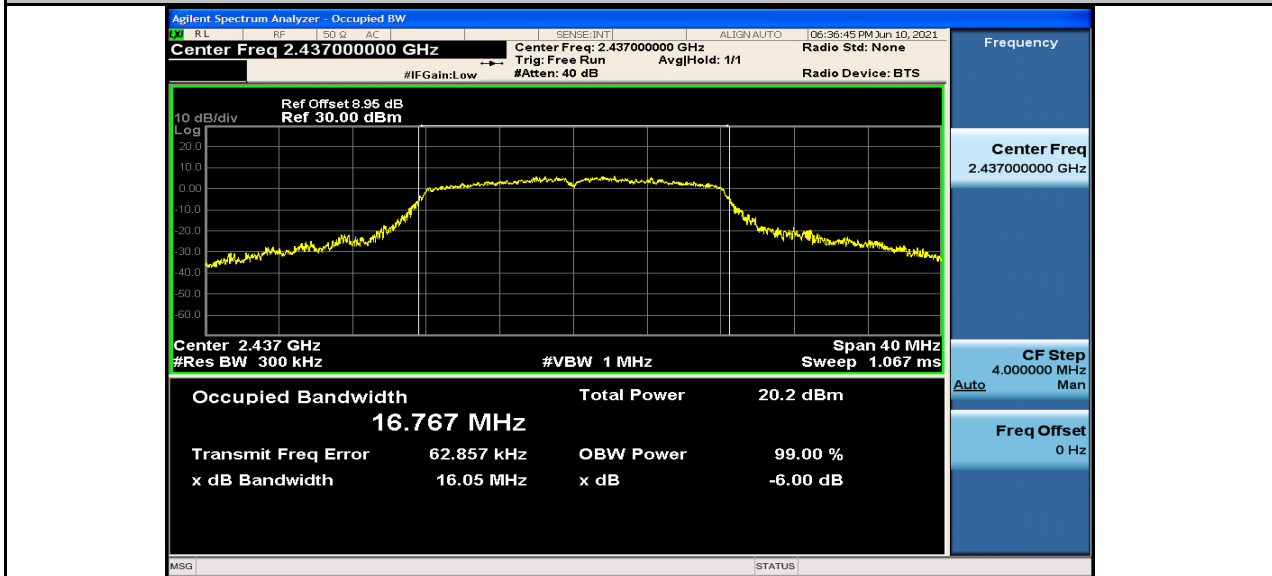


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Occupied Bandwidth_11G_2437_Ant2

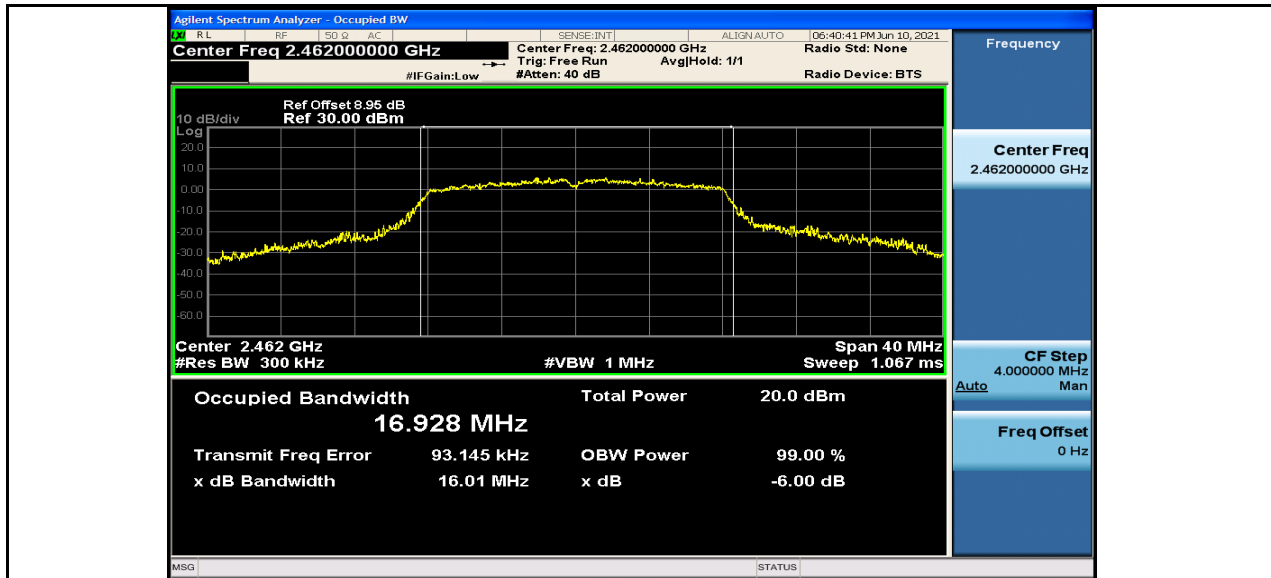


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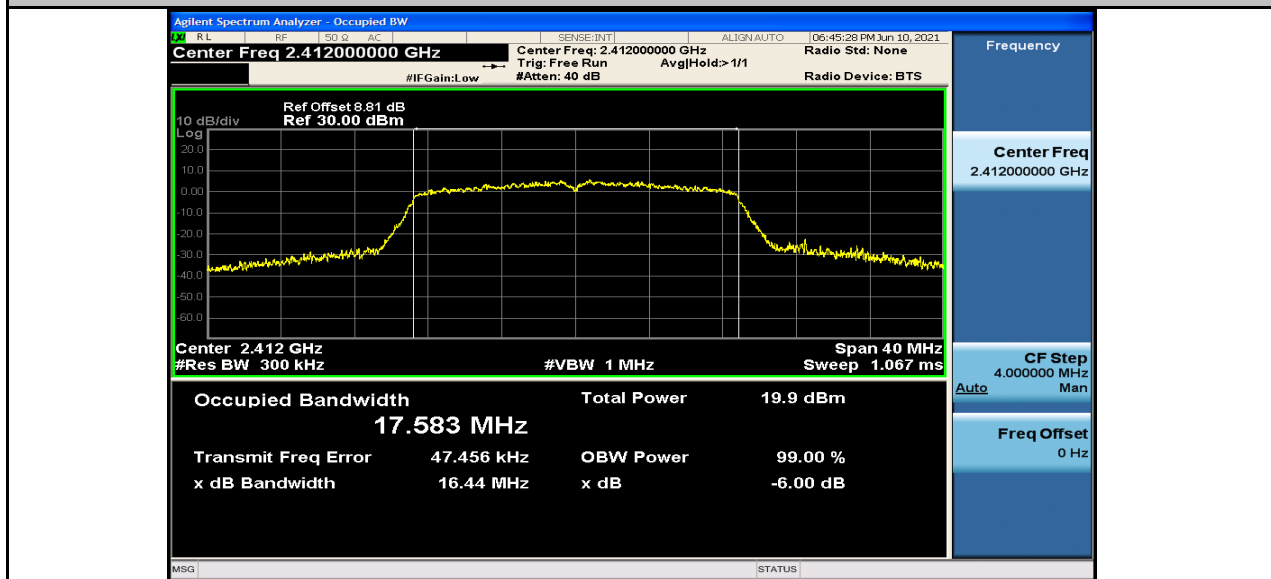


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Occupied Bandwidth_11N20MIMO_2412_Ant2

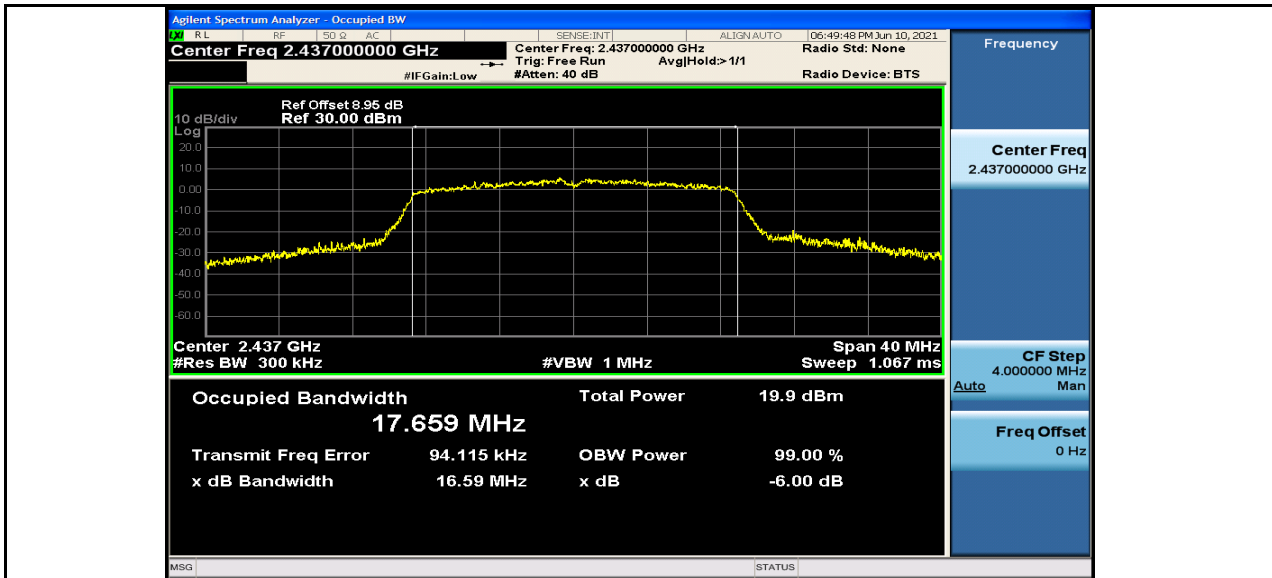


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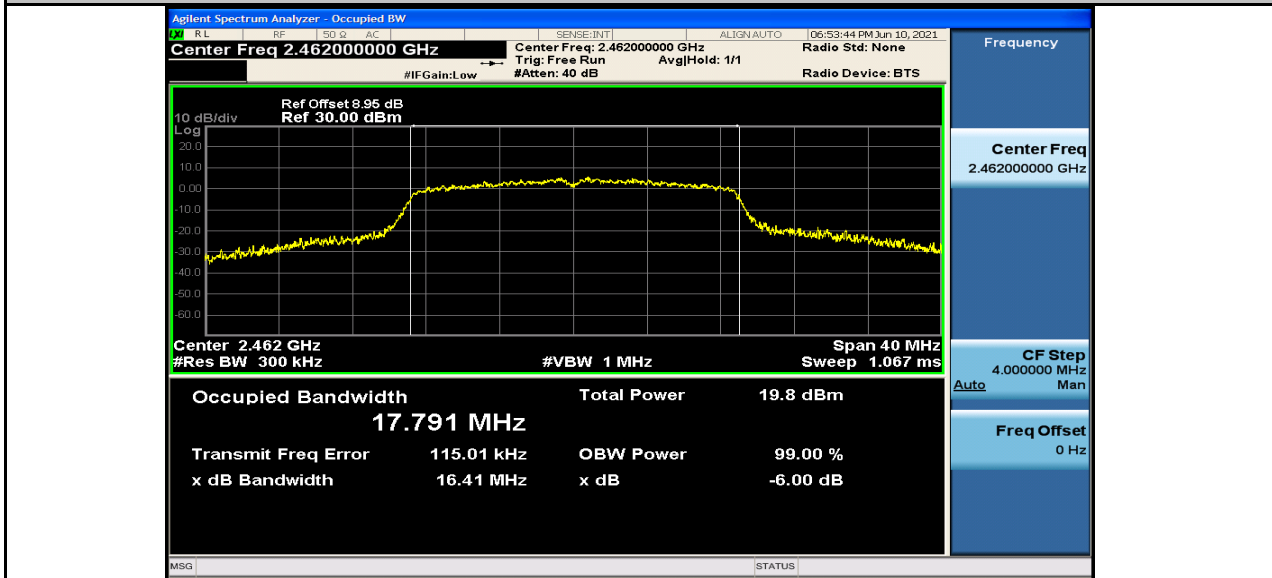


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Occupied Bandwidth_11N20MIMO_2462_Ant2



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3.Maximum conducted (average) output power

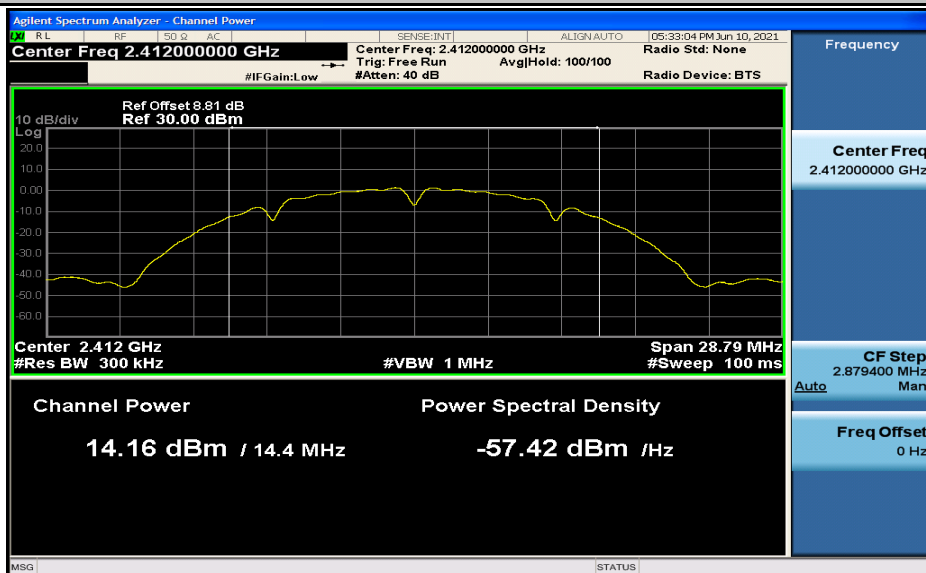
Test Mode	Test Channel	Level [dBm]		10log(1/x) Factor[dB]		Power [dBm]			Limit [dBm]	Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	MIMO		
11B	2412	14.16	14.06	0.05	0.09	14.21	14.15	NA	30	PASS
11B	2437	14.39	14.27	0.06	0.03	14.45	14.29	NA	30	PASS
11B	2462	14.33	14	0.09	0.03	14.42	14.03	NA	30	PASS
11G	2412	14.06	13.94	0.36	0.36	14.43	14.30	NA	30	PASS
11G	2437	14.39	13.52	0.18	0.33	14.57	13.85	NA	30	PASS
11G	2462	14.23	13.28	0.36	0.33	14.59	13.62	NA	30	PASS
11N20MIMO	2412	13.82	13.2	0.19	0.25	14.01	13.44	16.74	30	PASS
11N20MIMO	2437	14.16	13.27	0.21	0.25	14.38	13.52	16.98	30	PASS
11N20MIMO	2462	14	13.11	0.33	0.55	14.34	13.65	17.02	30	PASS



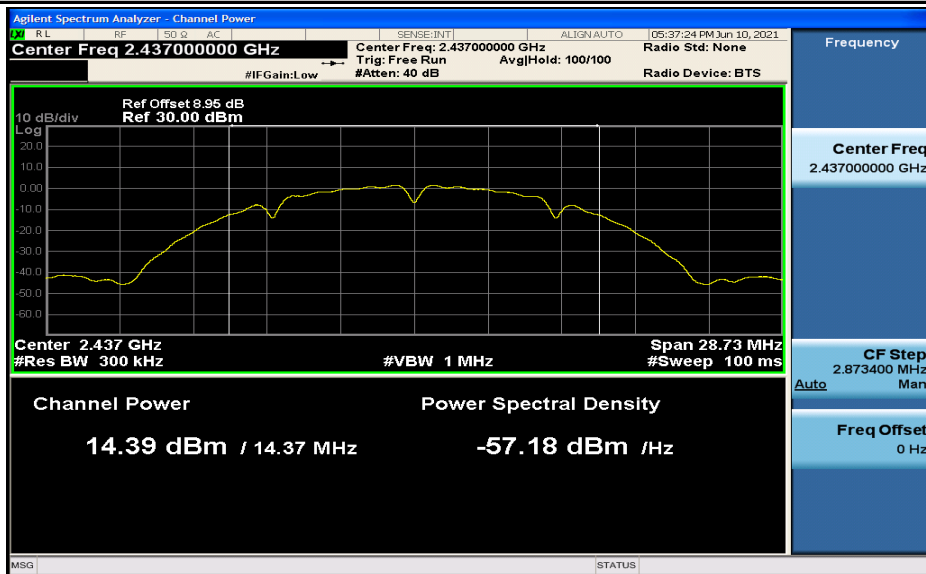
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Maximum conducted (average) output power_11B_2412_Ant1



Maximum conducted (average) output power_11B_2437_Ant1

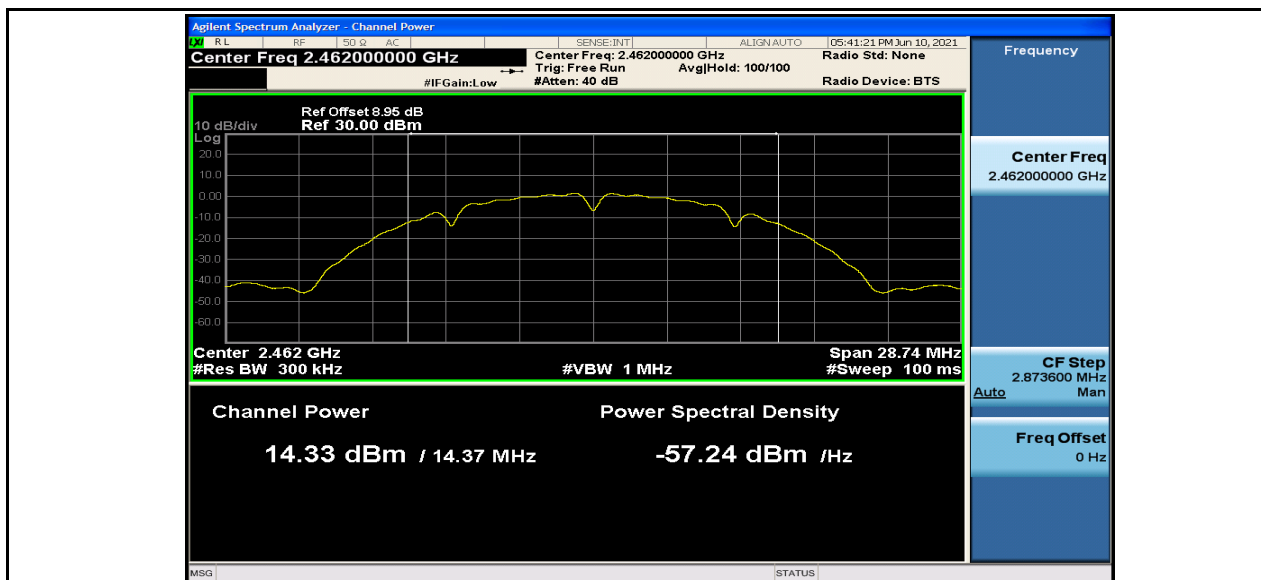


Maximum conducted (average) output power_11B_2462_Ant1

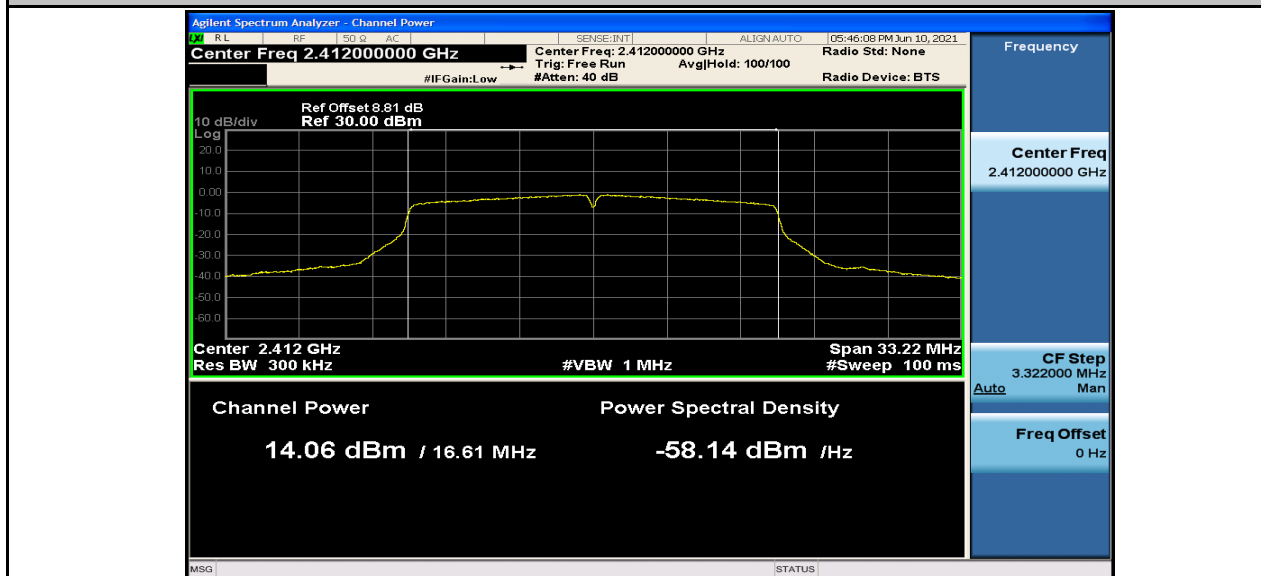


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Maximum conducted (average) output power_11G_2412_Ant1



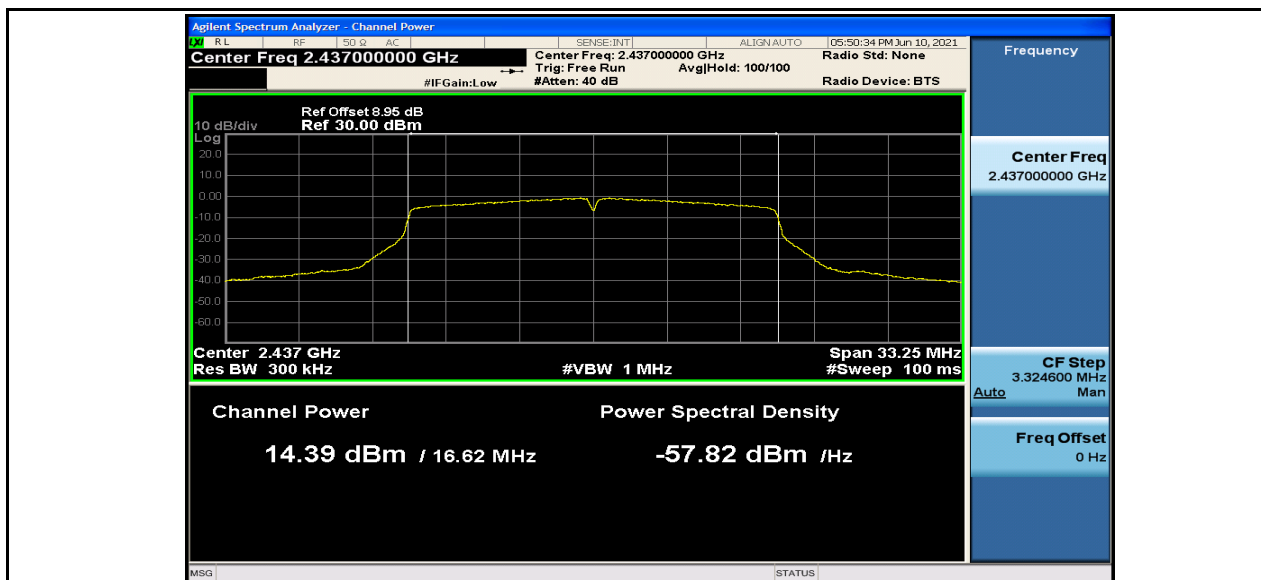
Maximum conducted (average) output power_11G_2437_Ant1



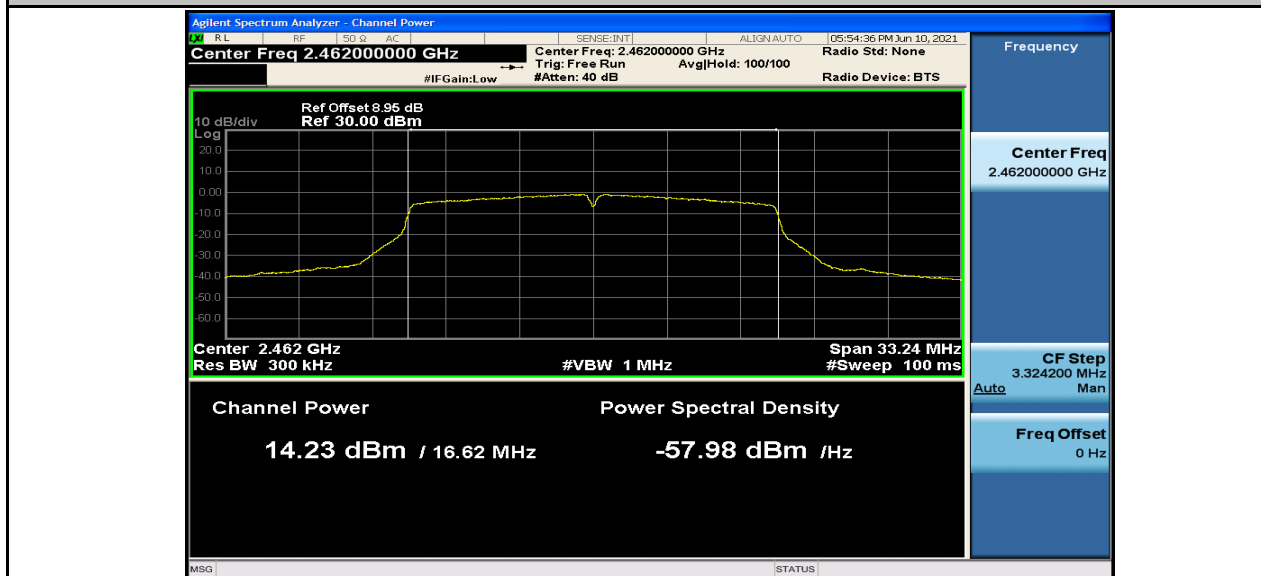
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Maximum conducted (average) output power_11G_2462_Ant1

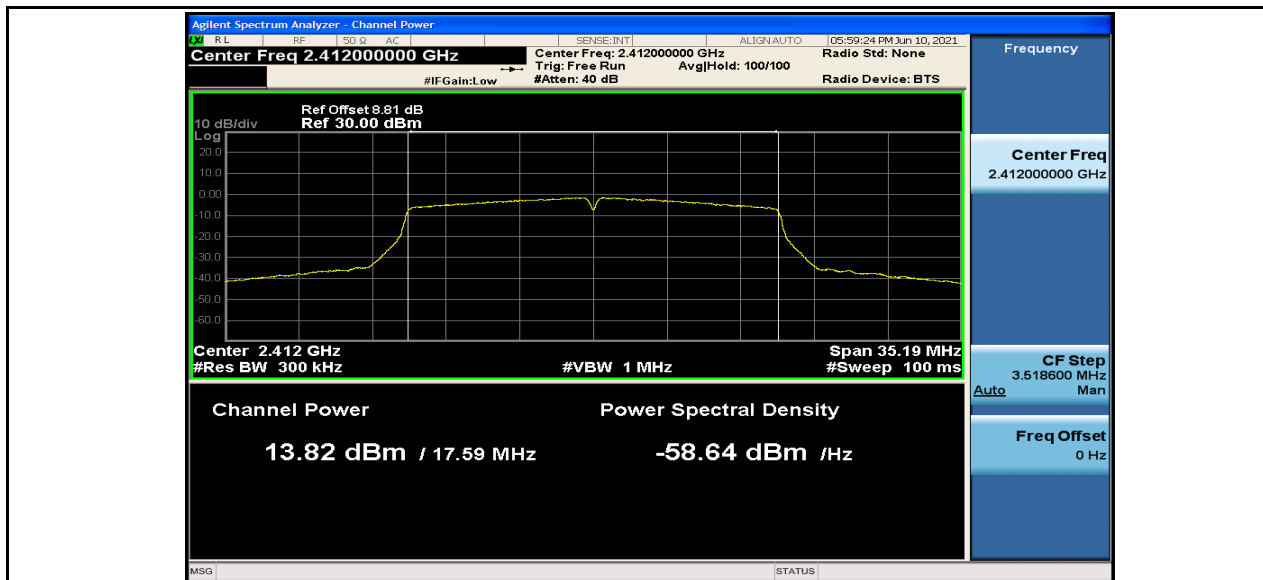


Maximum conducted (average) output power_11N20MIMO_2412_Ant1

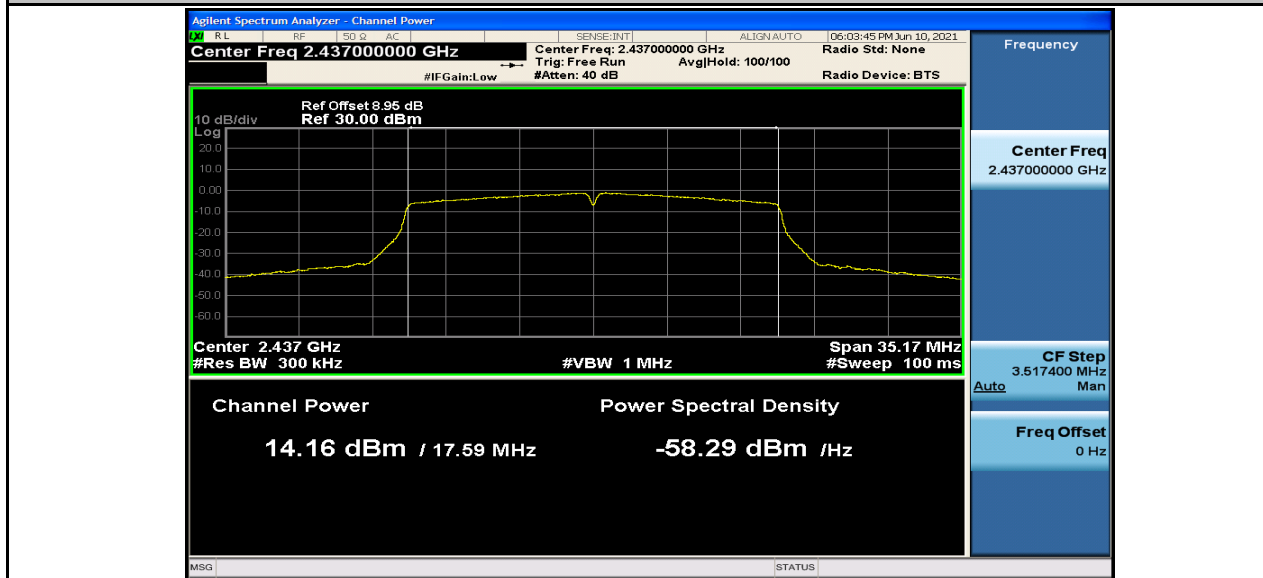


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Maximum conducted (average) output power_11N20MIMO_2437_Ant1



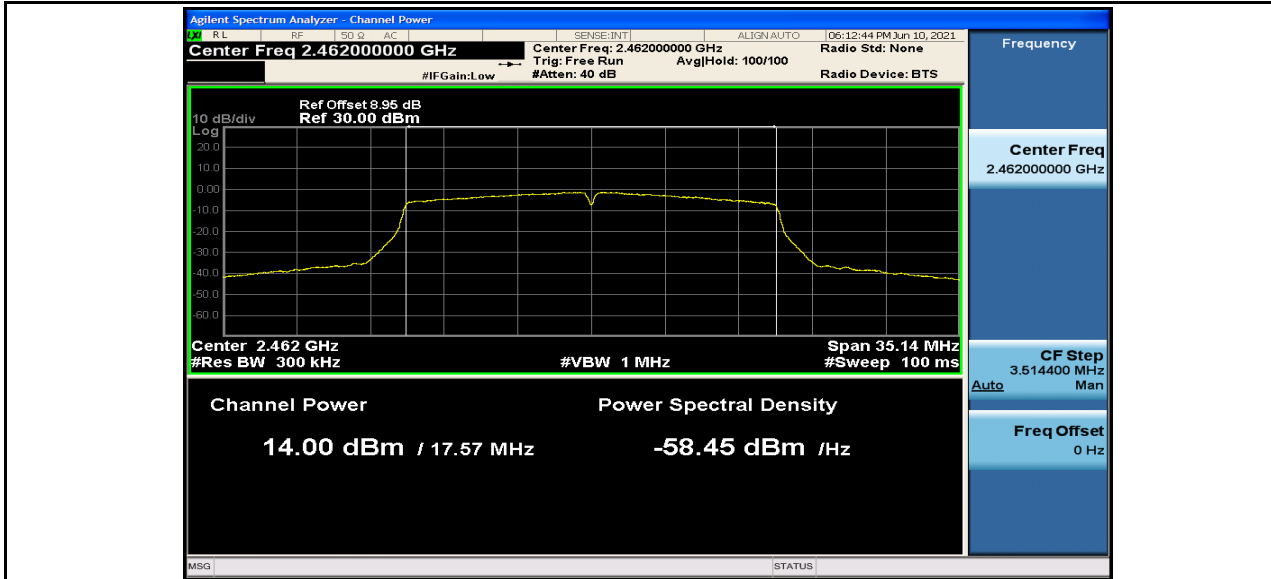
Maximum conducted (average) output power_11N20MIMO_2462_Ant1



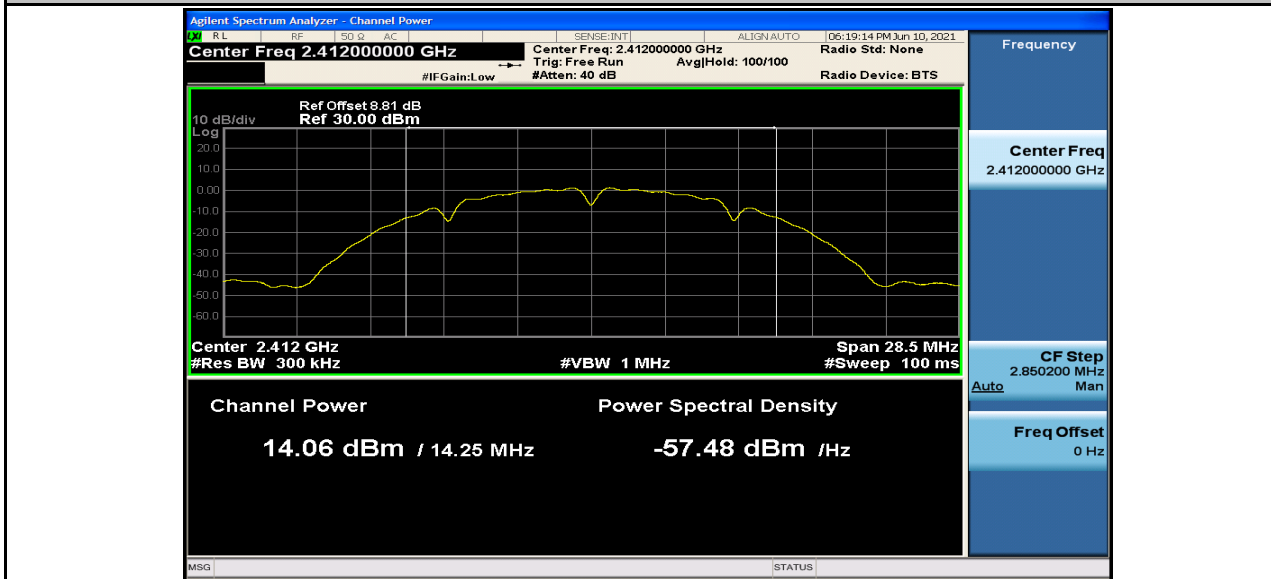
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Maximum conducted (average) output power_11B_2412_Ant2



Maximum conducted (average) output power_11B_2437_Ant2



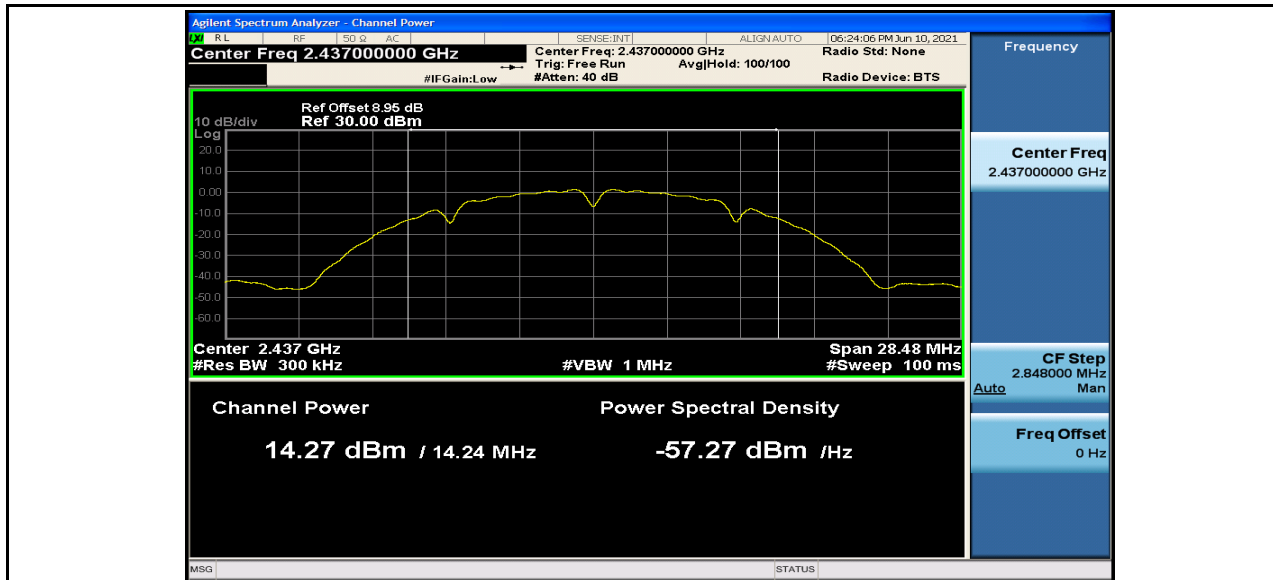
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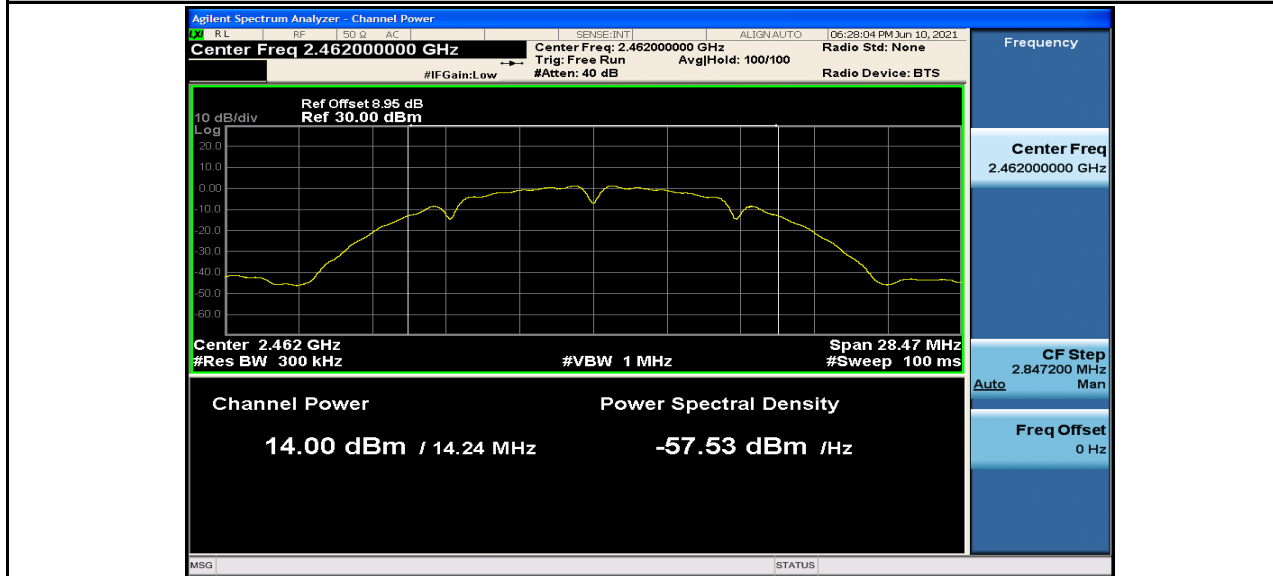
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Maximum conducted (average) output power_11B_2462_Ant2

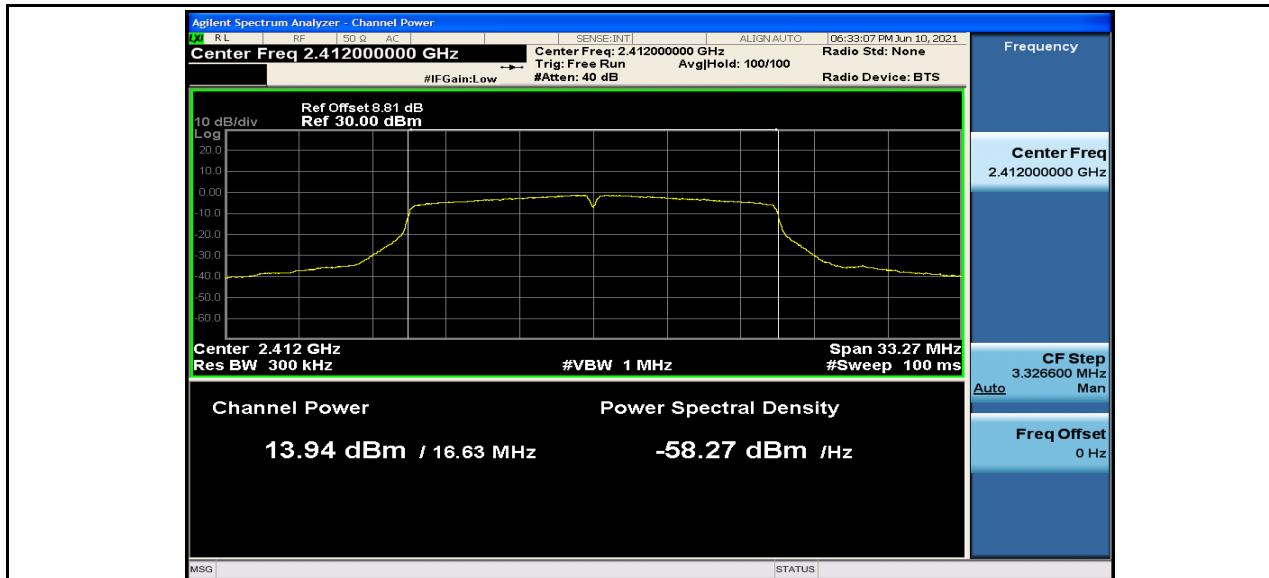


Maximum conducted (average) output power_11G_2412_Ant2

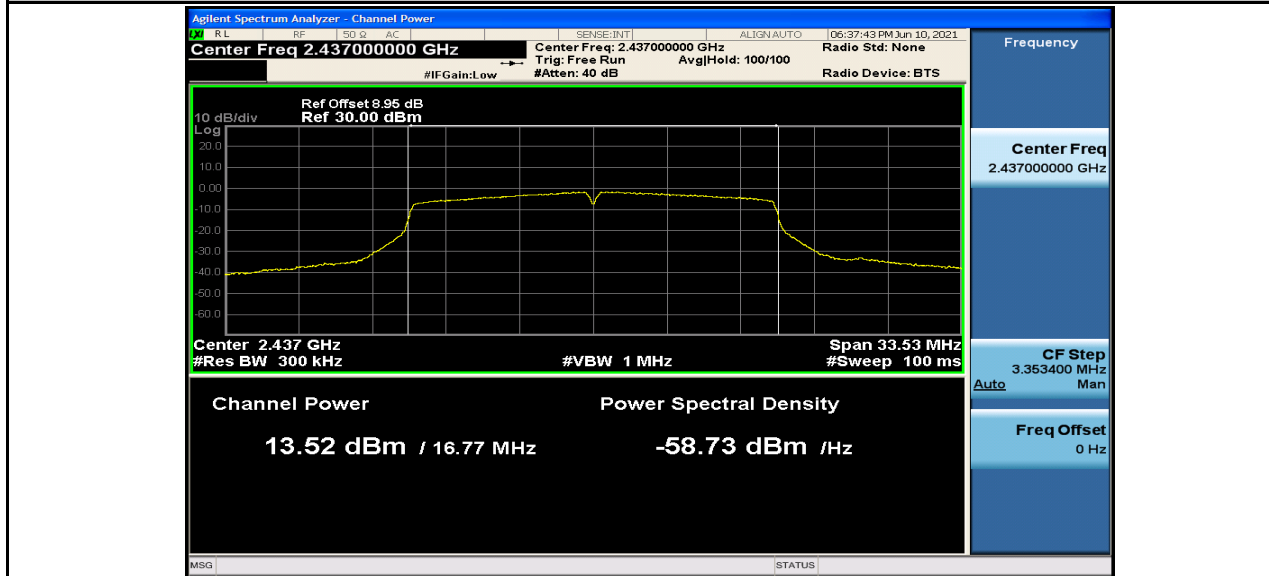


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Maximum conducted (average) output power_11G_2437_Ant2



Maximum conducted (average) output power_11G_2462_Ant2

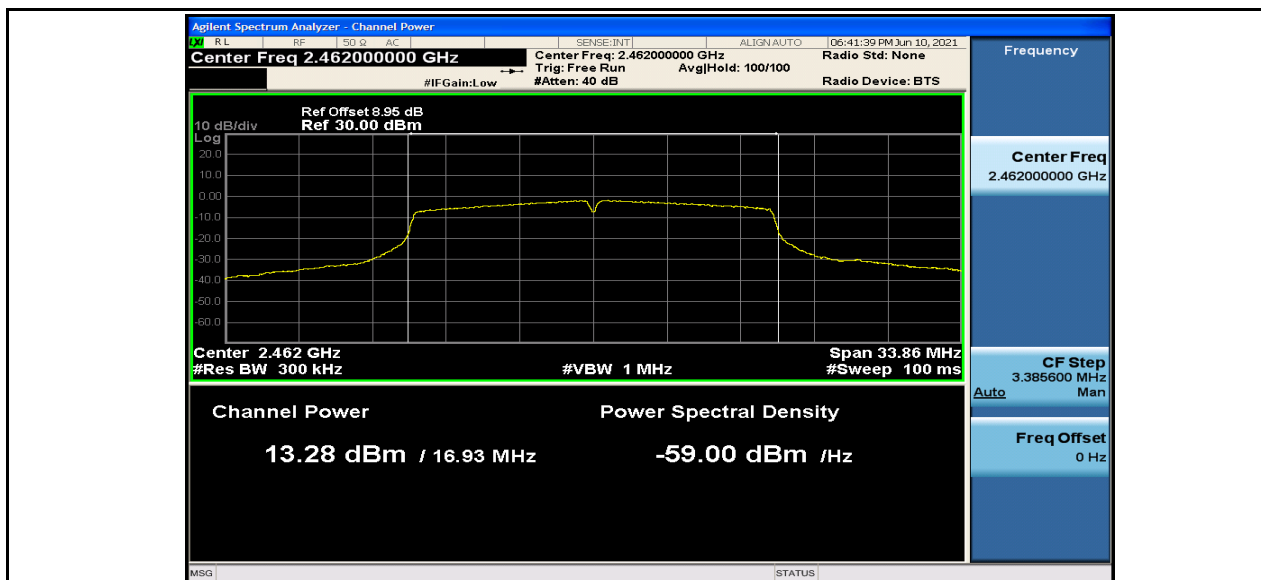


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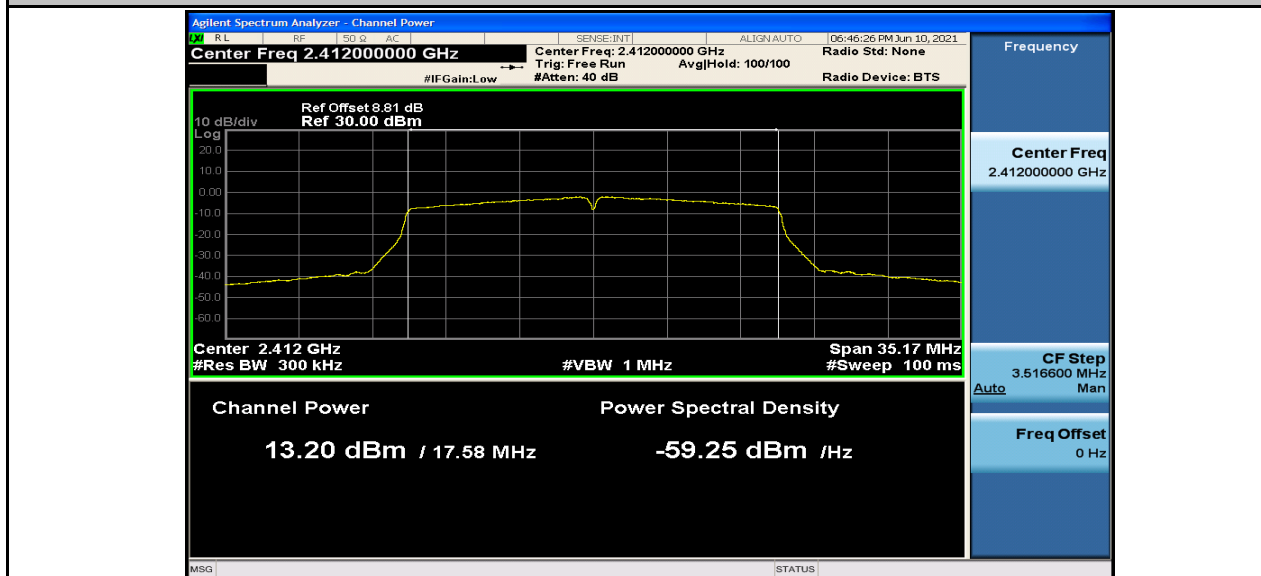
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Maximum conducted (average) output power_11N20MIMO_2412_Ant2



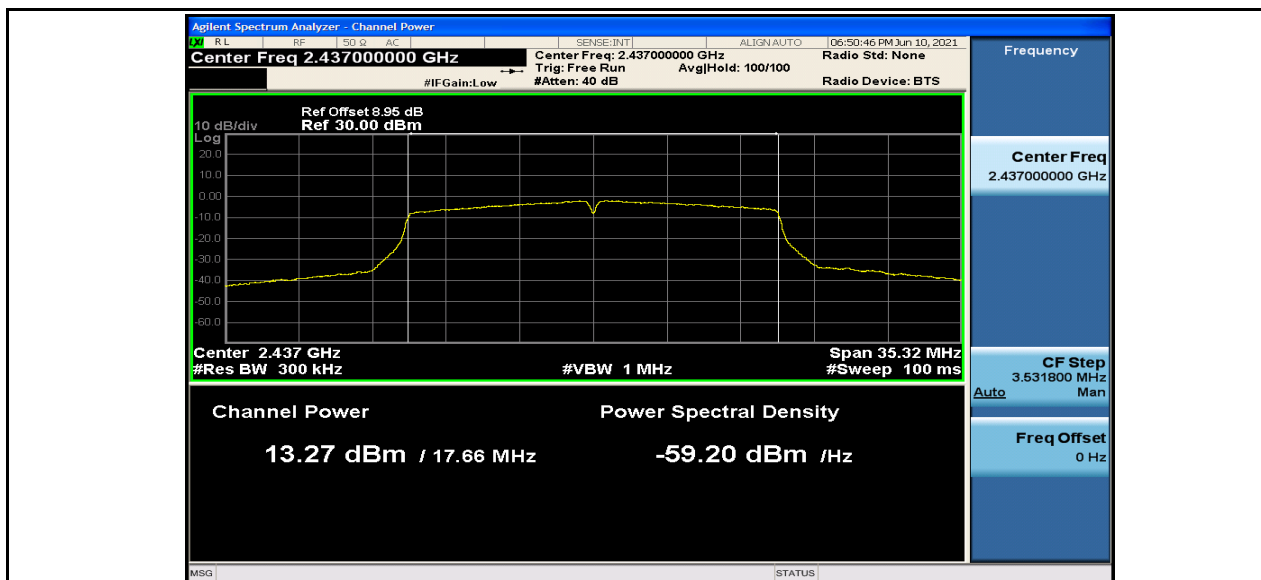
Maximum conducted (average) output power_11N20MIMO_2437_Ant2



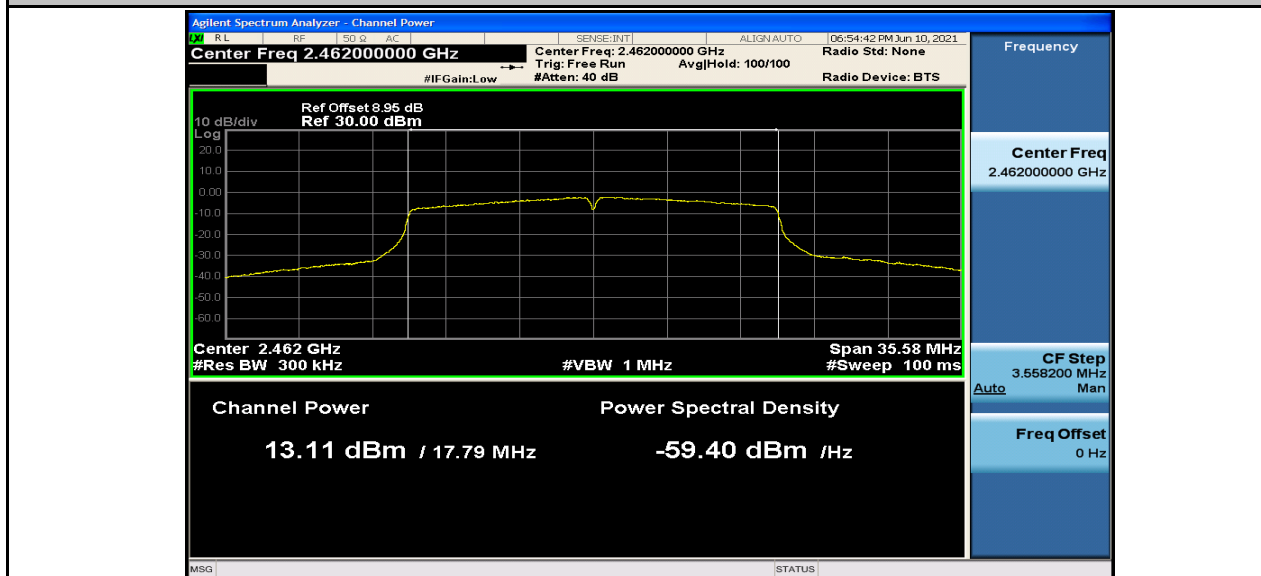
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Maximum conducted (average) output power_11N20MIMO_2462_Ant2



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4.Maximum(average) power spectral density

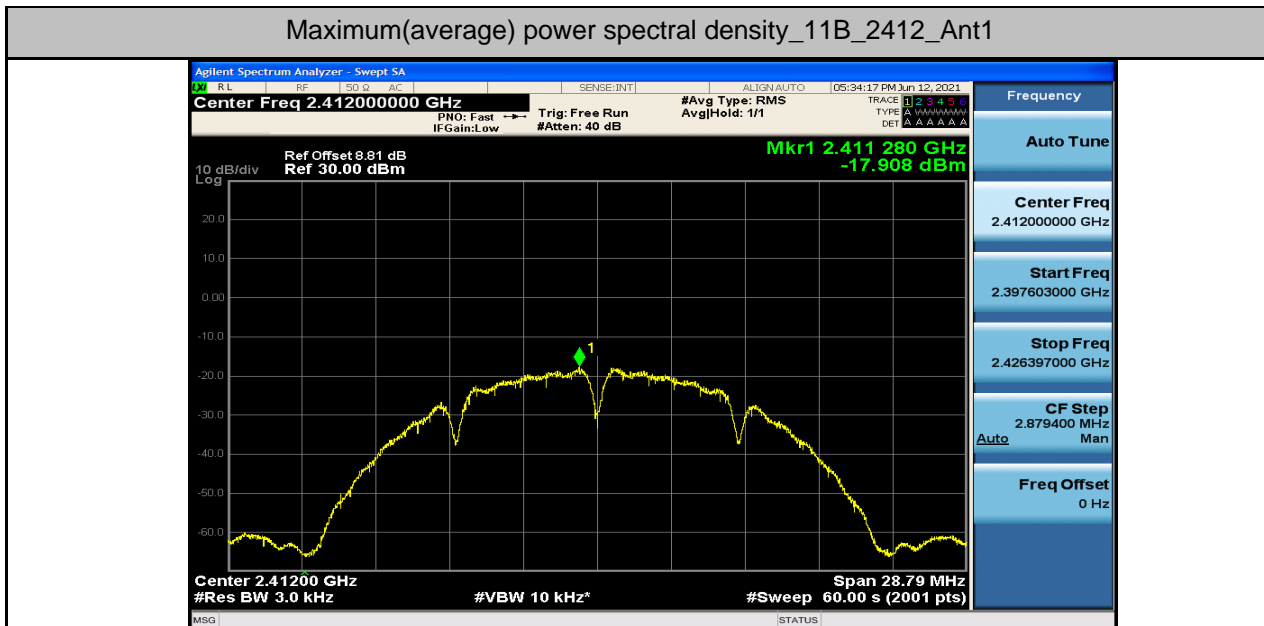
Test Mode	Test Channel	Level [dBm/3kHz]		10log(1/x) Factor[dB]		PSD[dBm/3kHz]			Limit[dBm/3kHz]	Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	MIMO		
11B	2412	-17.91	-17.97	0.05	0.09	-17.86	-17.88	NA	8.00	PASS
11B	2437	-17.49	-17.53	0.06	0.03	-17.43	-17.50	NA	8.00	PASS
11B	2462	-17.76	-17.94	0.09	0.03	-17.67	-17.91	NA	8.00	PASS
11G	2412	-19.26	-19.06	0.36	0.36	-18.90	-18.70	NA	8.00	PASS
11G	2437	-18.72	-19.83	0.18	0.33	-18.54	-19.50	NA	8.00	PASS
11G	2462	-18.94	-20.08	0.36	0.33	-18.58	-19.75	NA	8.00	PASS
11N20MIMO	2412	-19.70	-20.12	0.19	0.25	-19.51	-19.87	-16.68	8.00	PASS
11N20MIMO	2437	-19.51	-20.19	0.21	0.25	-19.30	-19.94	-16.60	8.00	PASS
11N20MIMO	2462	-19.33	-20.25	0.33	0.55	-19.00	-19.70	-16.33	8.00	PASS



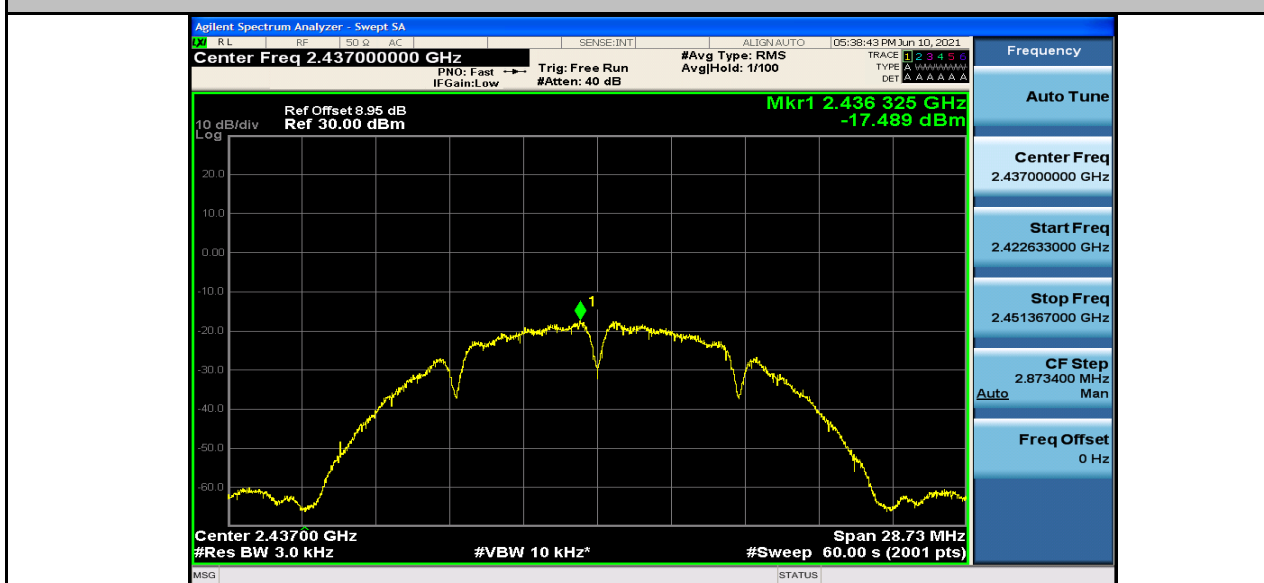
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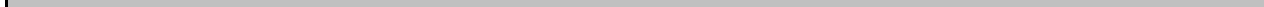
Maximum(average) power spectral density_11B_2412_Ant1



Maximum(average) power spectral density_11B_2437_Ant1



Maximum(average) power spectral density_11B_2462_Ant1

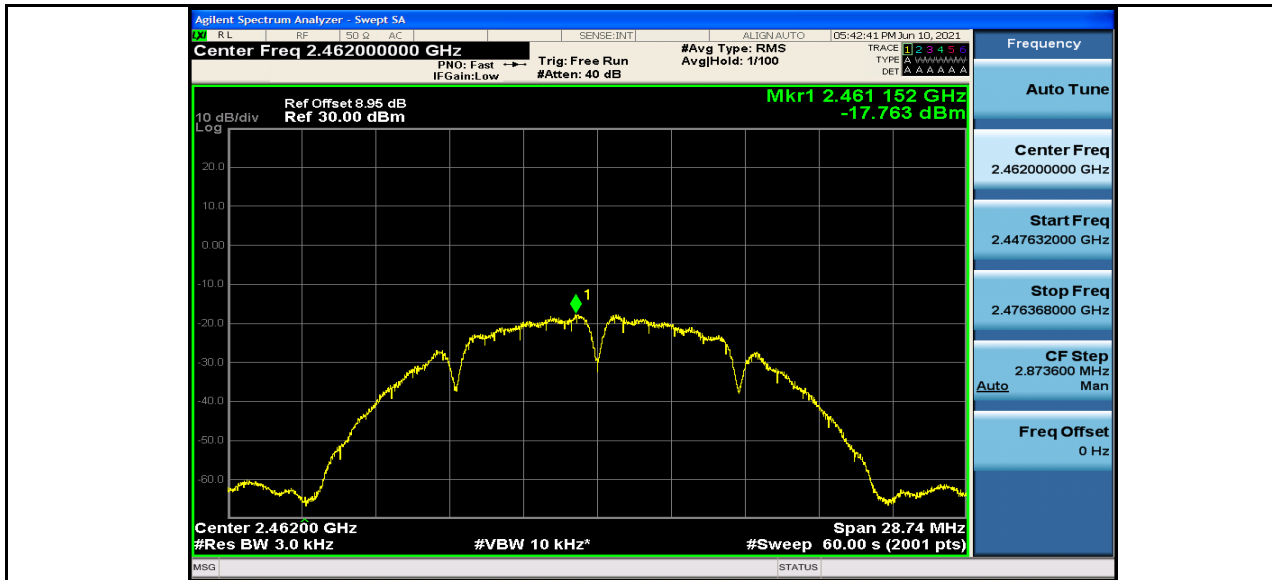


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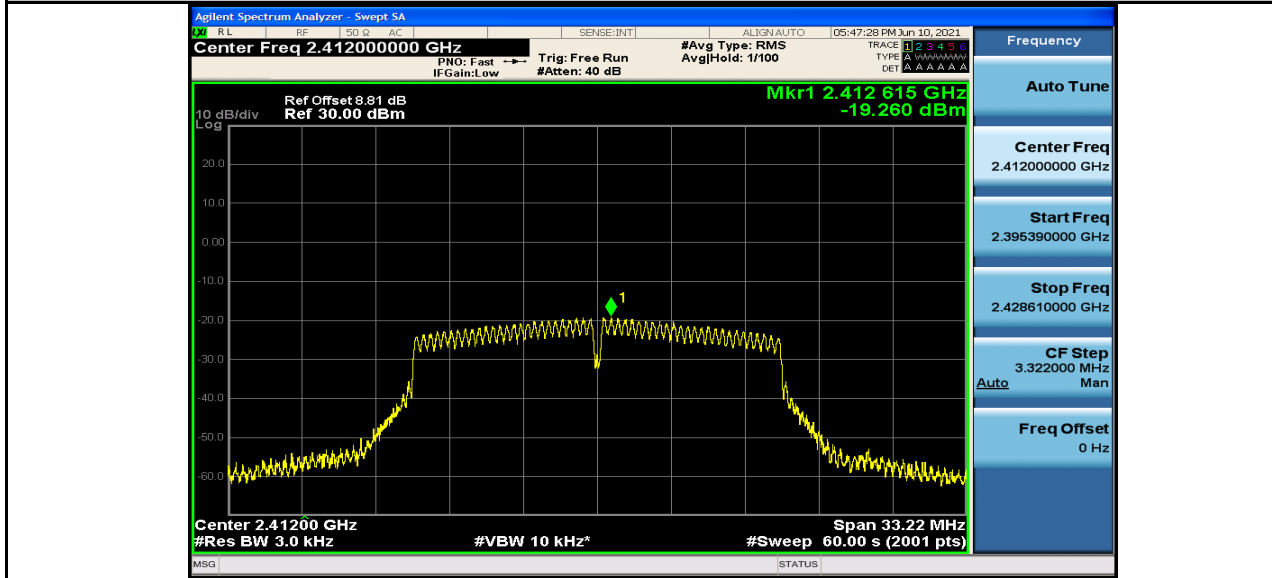
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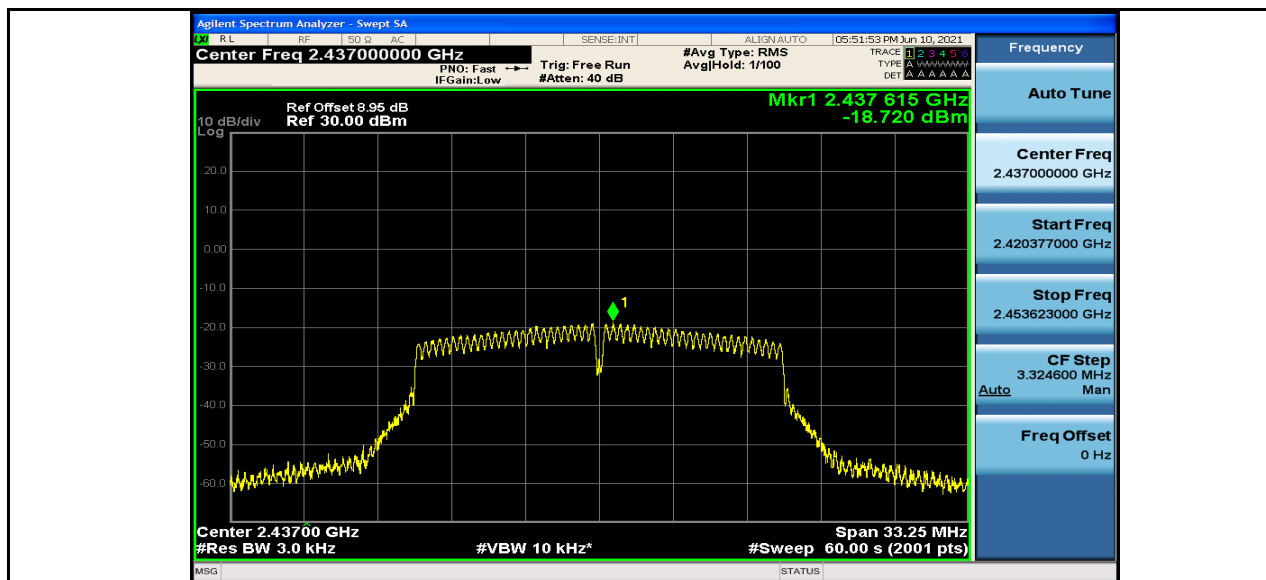
Maximum(average) power spectral density_11G_2412_Ant1



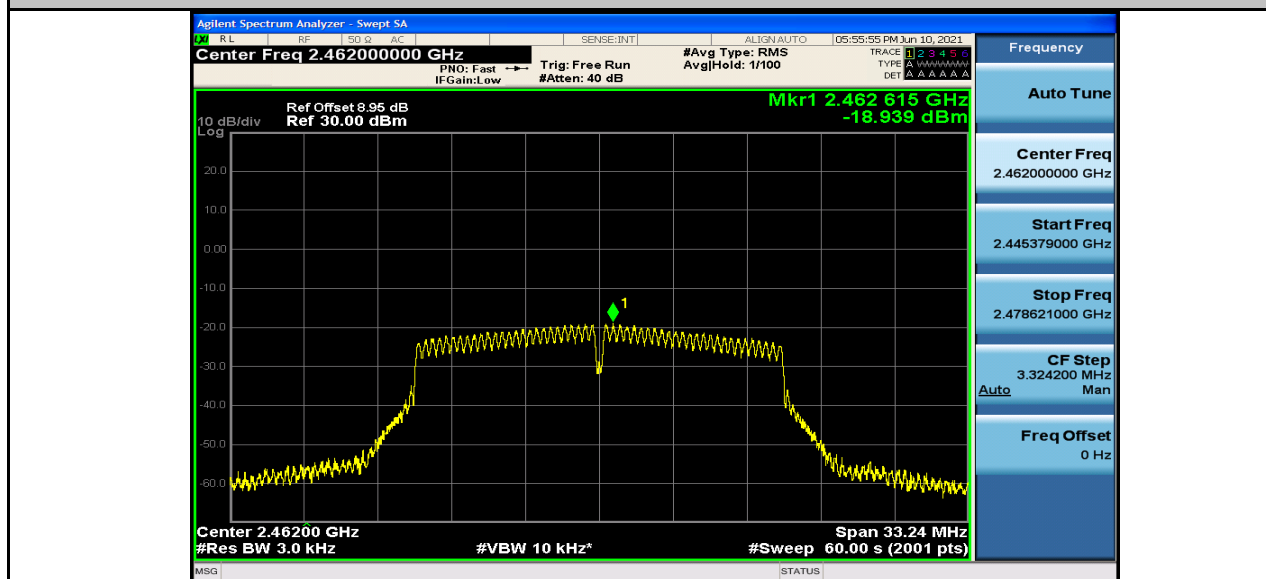
Maximum(average) power spectral density_11G_2437_Ant1



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Maximum(average) power spectral density_11G_2462_Ant1



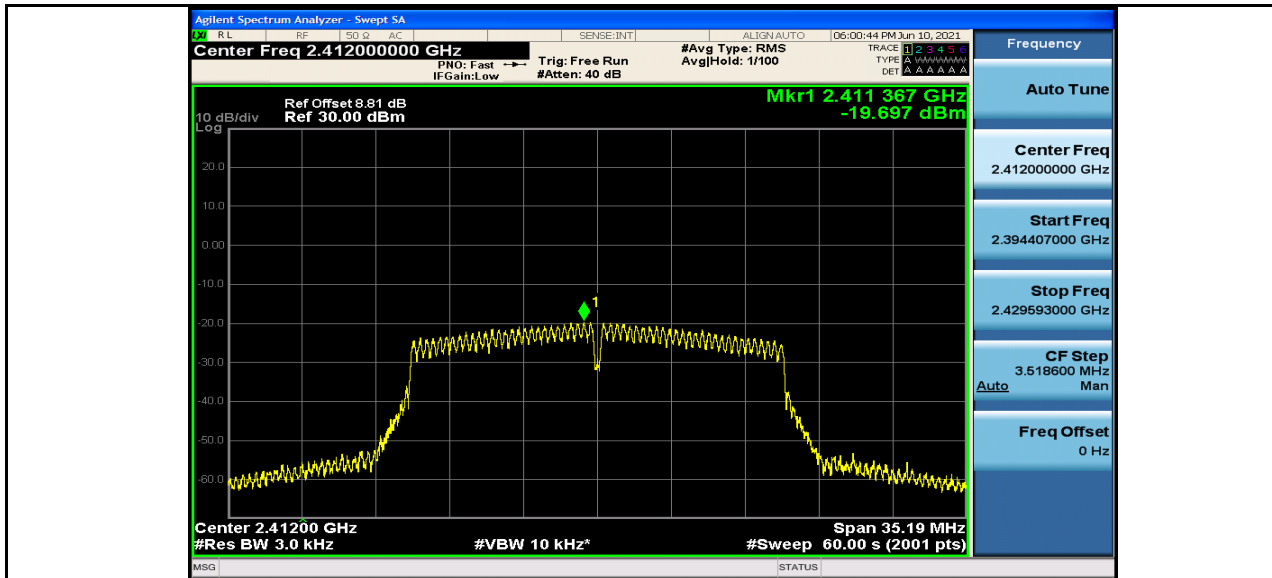
Maximum(average) power spectral density_11N20MIMO_2412_Ant1



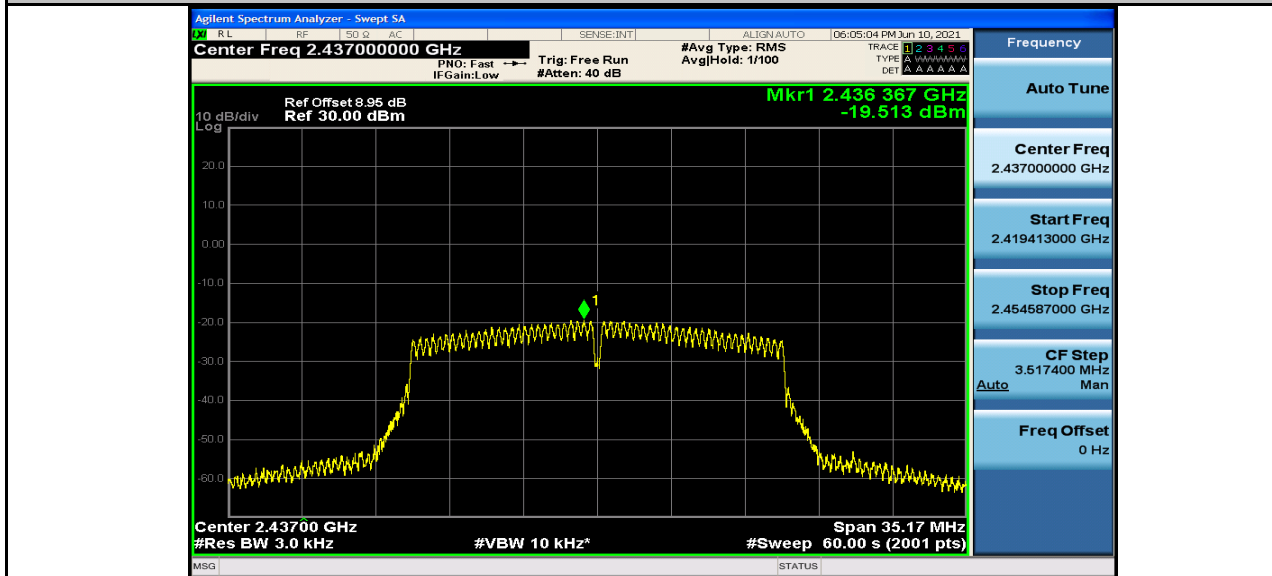
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Maximum(average) power spectral density_11N20MIMO_2437_Ant1

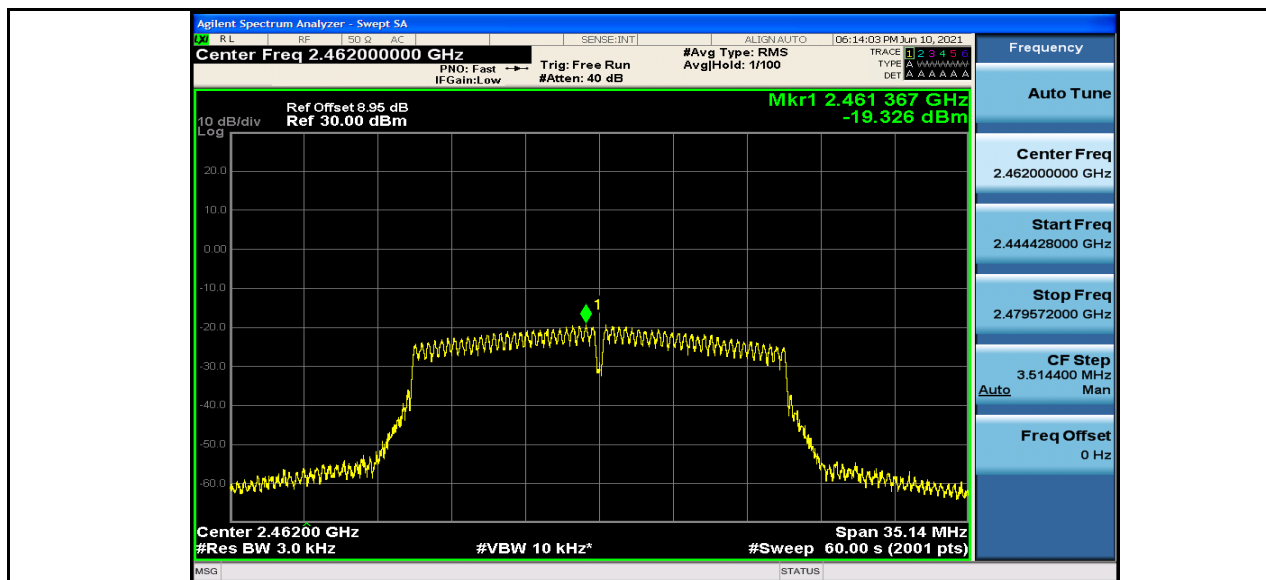


Maximum(average) power spectral density_11N20MIMO_2462_Ant1

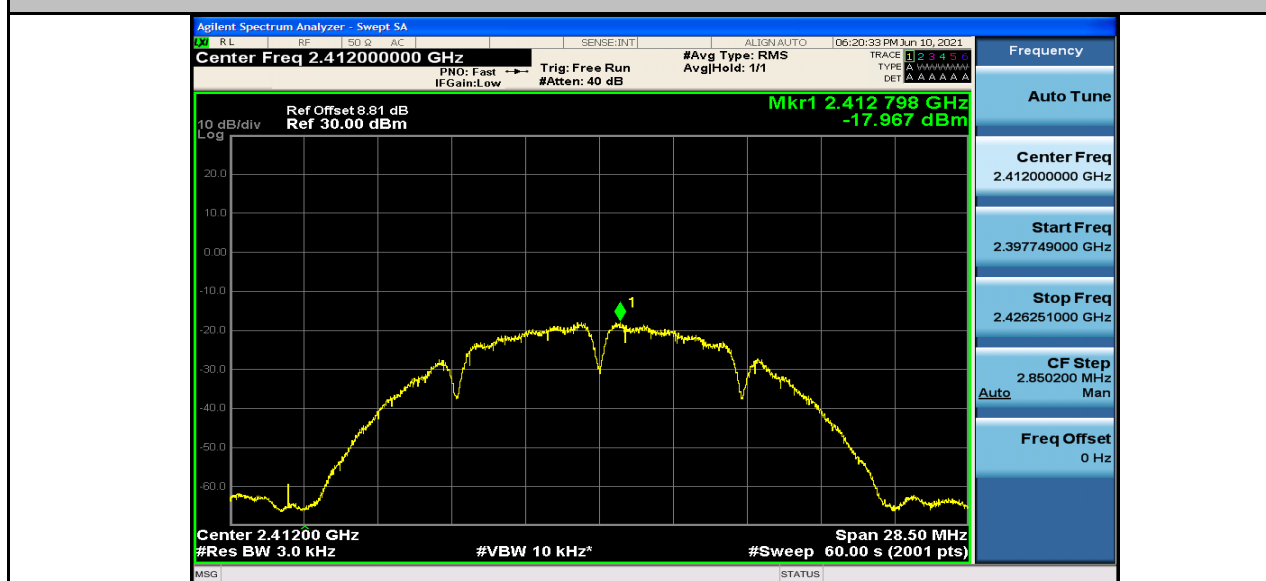


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Maximum(average) power spectral density_11B_2412_Ant2

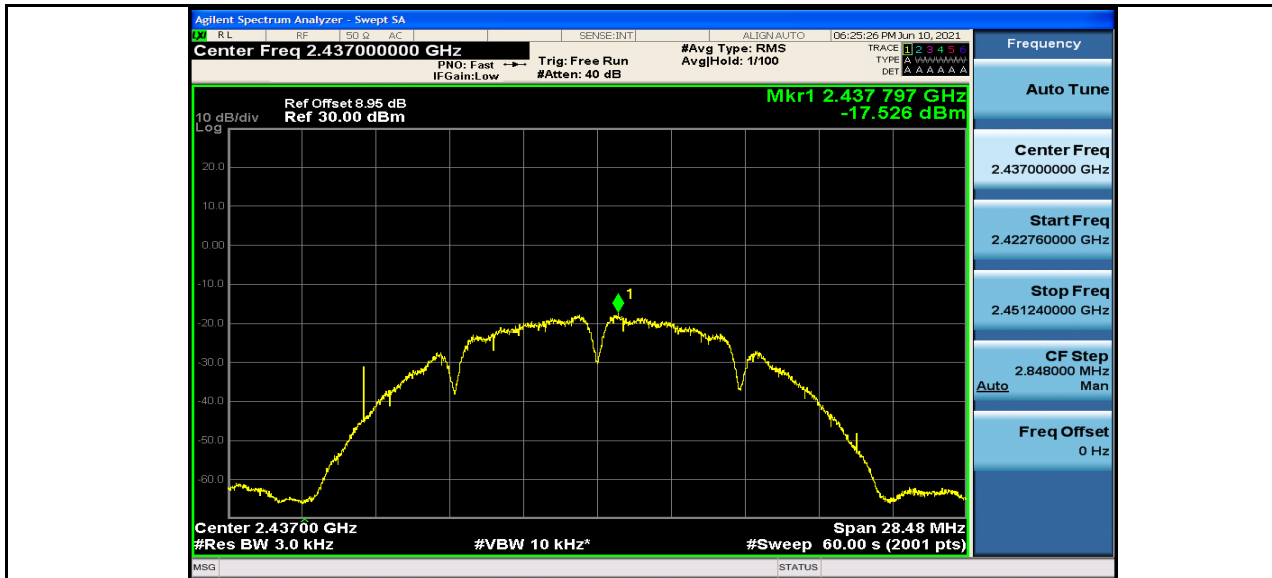


Maximum(average) power spectral density_11B_2437_Ant2



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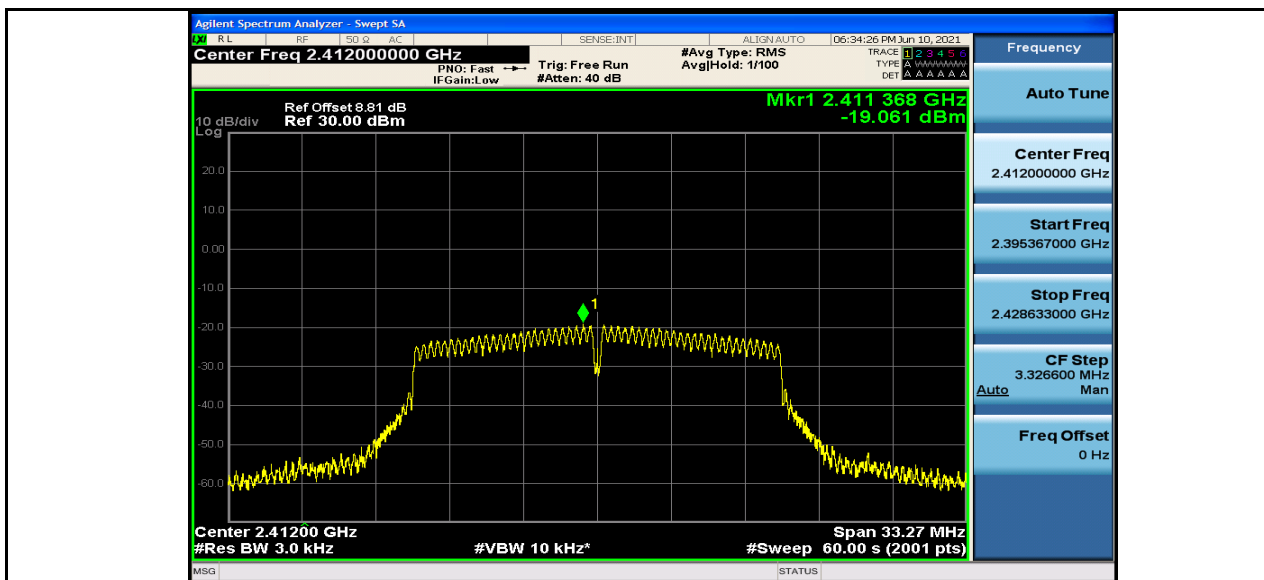
Maximum(average) power spectral density_11B_2462_Ant2



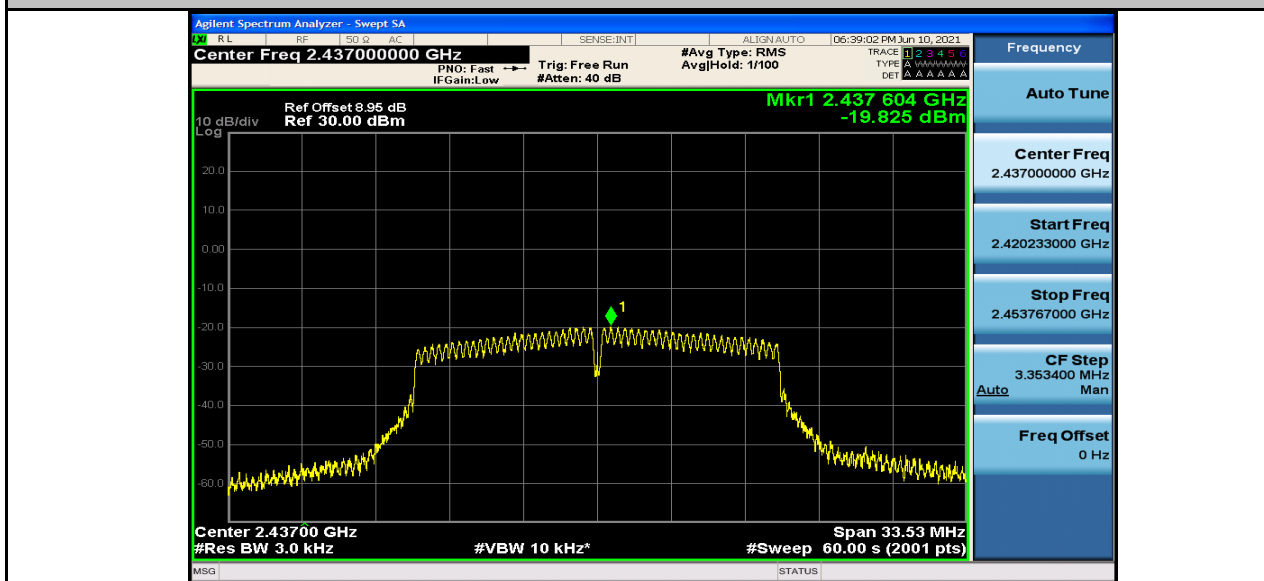
Maximum(average) power spectral density_11G_2412_Ant2



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Maximum(average) power spectral density_11G_2437_Ant2

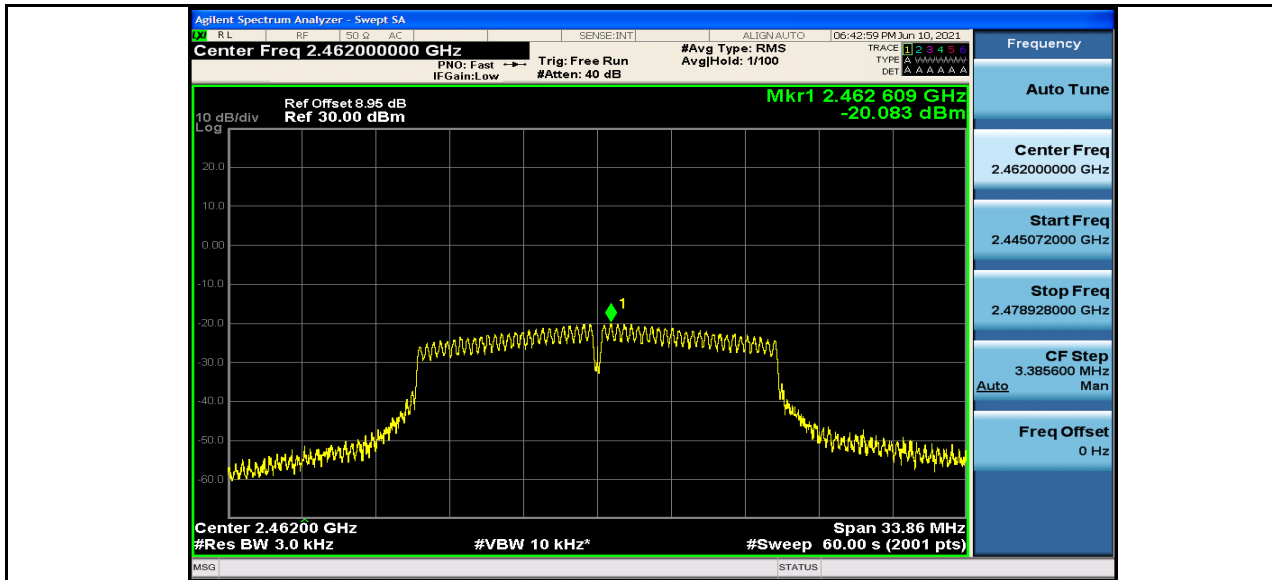


Maximum(average) power spectral density_11G_2462_Ant2

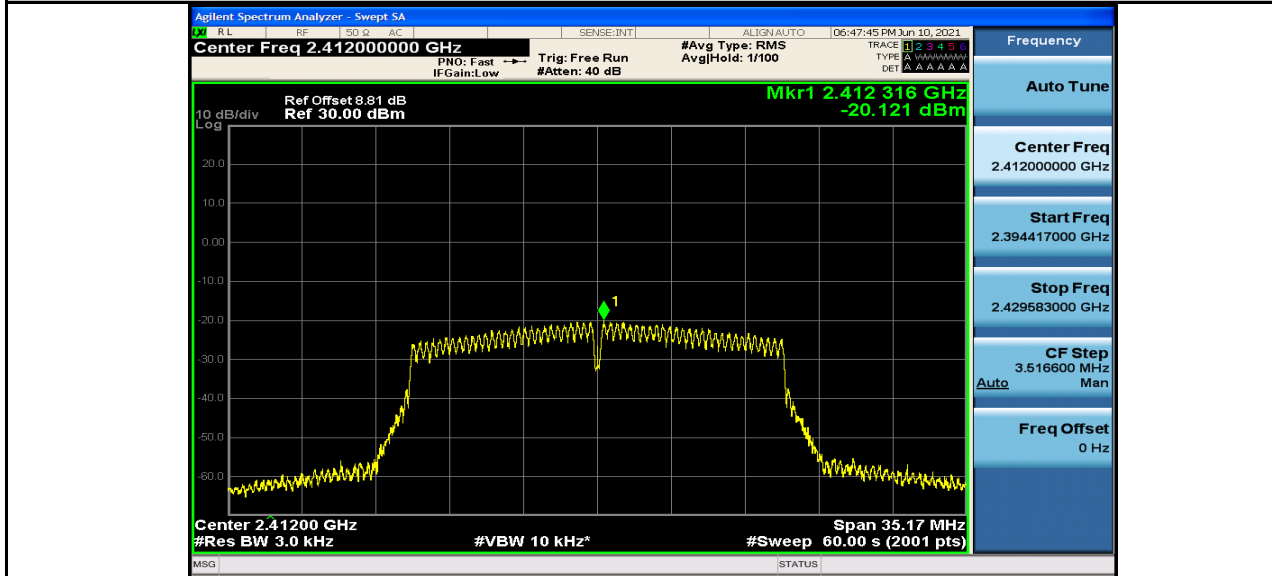


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Maximum(average) power spectral density_11N20MIMO_2412_Ant2

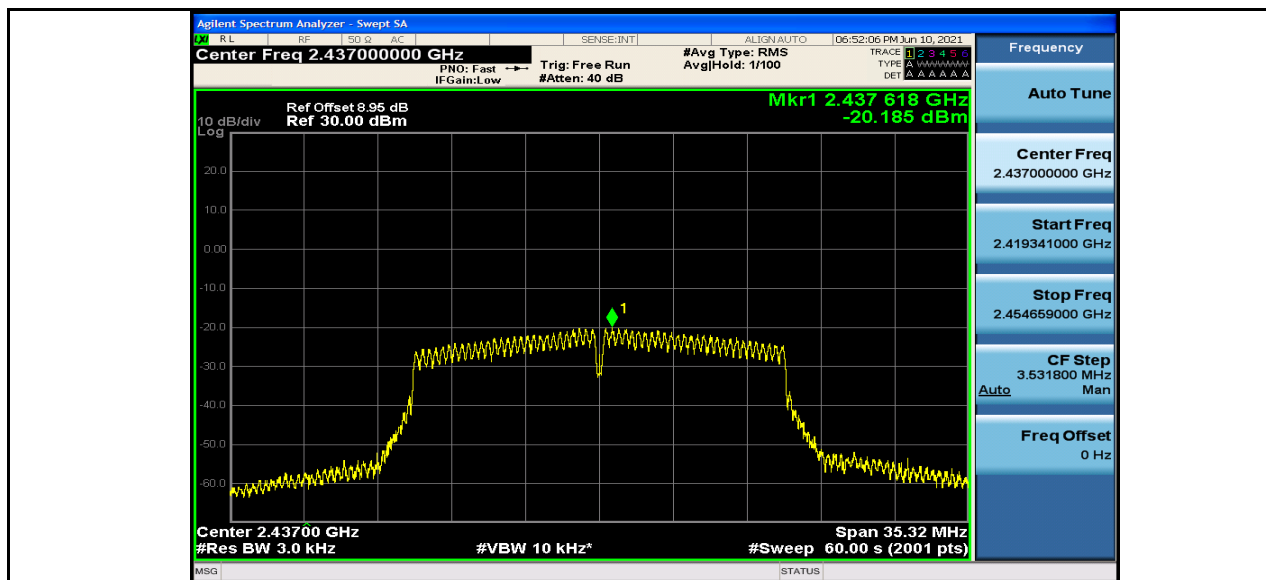


Maximum(average) power spectral density_11N20MIMO_2437_Ant2

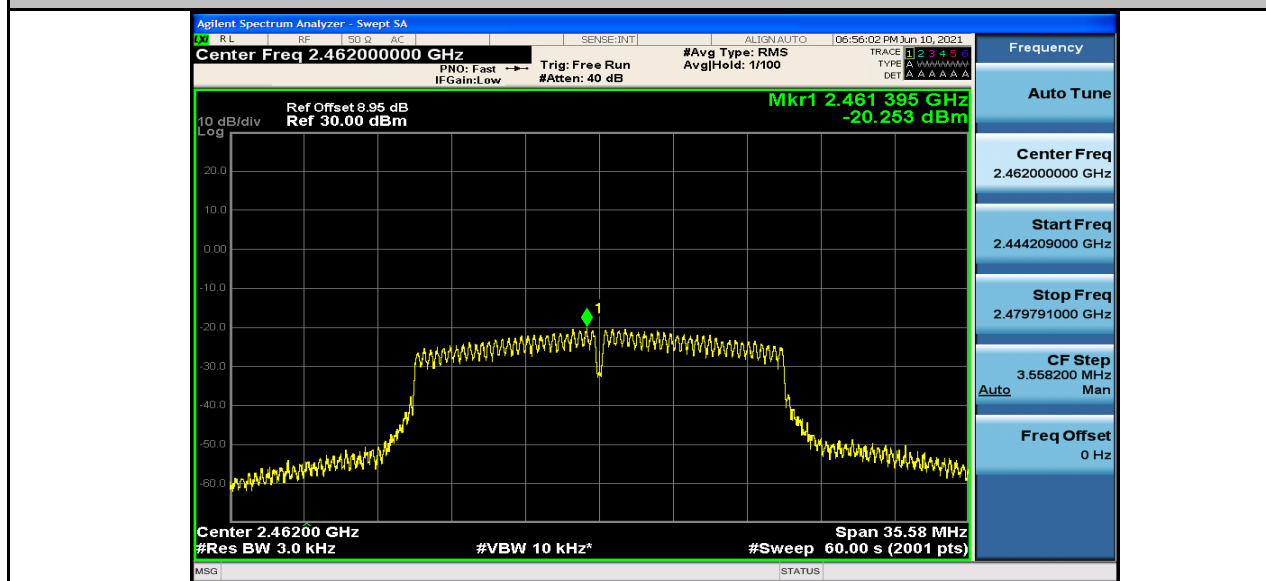


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Maximum(average) power spectral density_11N20MIMO_2462_Ant2



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5. Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Carrier Power[dBm]		Max. Spurious Level [dBm]		Limit [dBm]		Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11B	2412	5.61	4.68	-37.03	-39.64	-24.39	-25.32	PASS
11B	2462	5.86	5.57	-55.91	-52.73	-24.14	-24.43	PASS
11G	2412	4.54	4.19	-30.21	-28.52	-25.46	-25.81	PASS
11G	2462	3.91	3.97	-48.48	-37.63	-26.09	-26.04	PASS
11N20MIMO	2412	4.44	3.42	-30.35	-31.66	-25.56	-26.58	PASS
11N20MIMO	2462	3.60	3.82	-44.79	-36.10	-26.41	-26.18	PASS

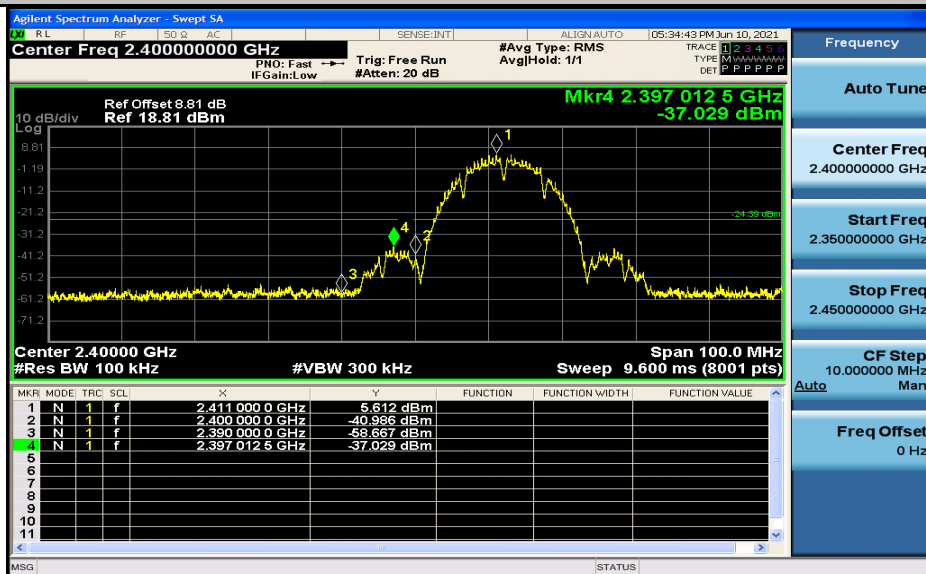


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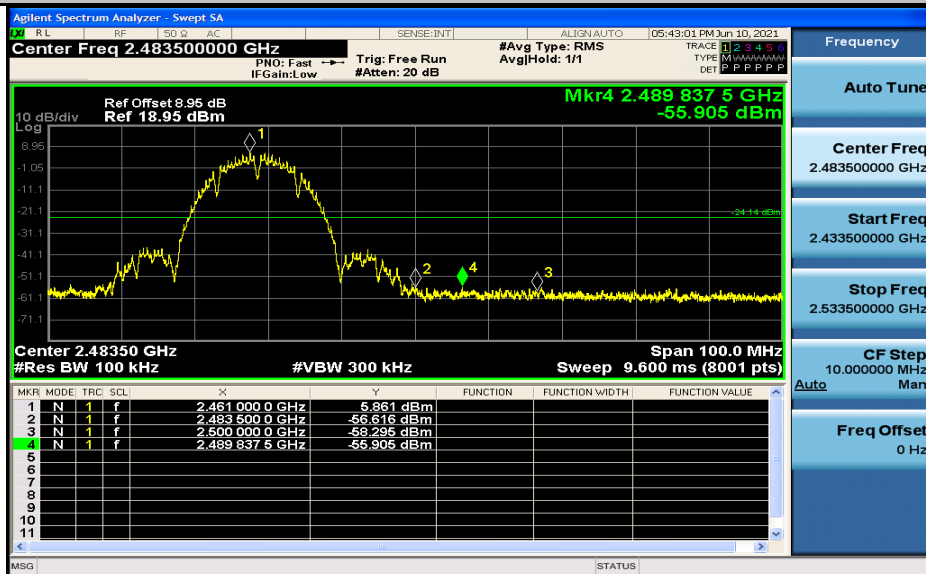
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Band-edge for RF Conducted Emissions_11B_2412_Ant1



Band-edge for RF Conducted Emissions_11B_2462_Ant1

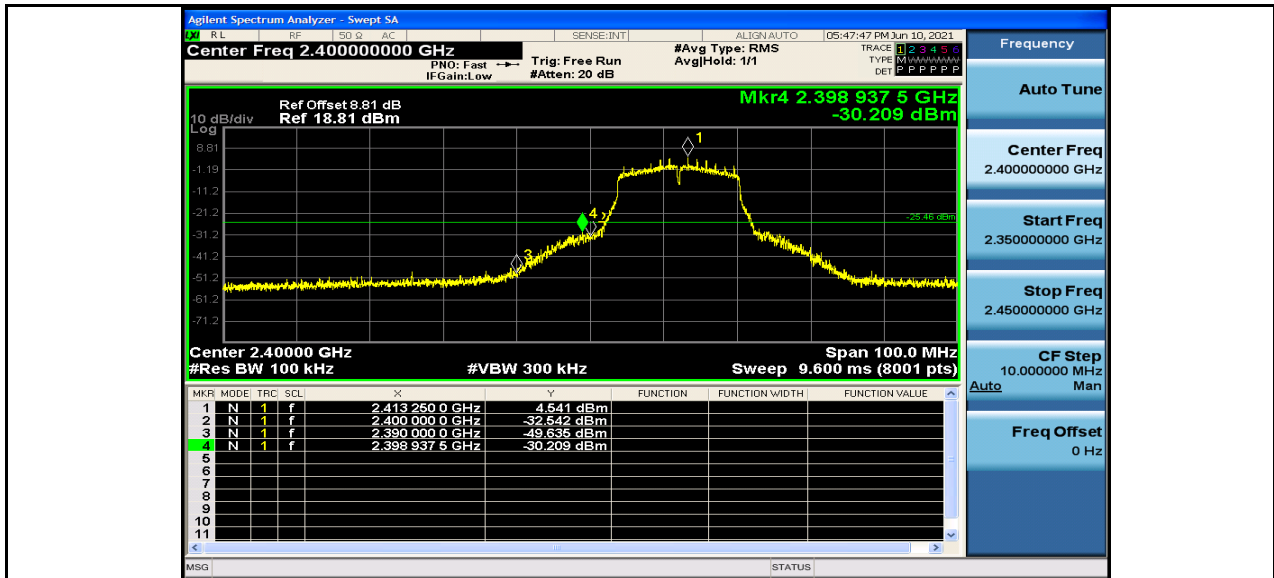


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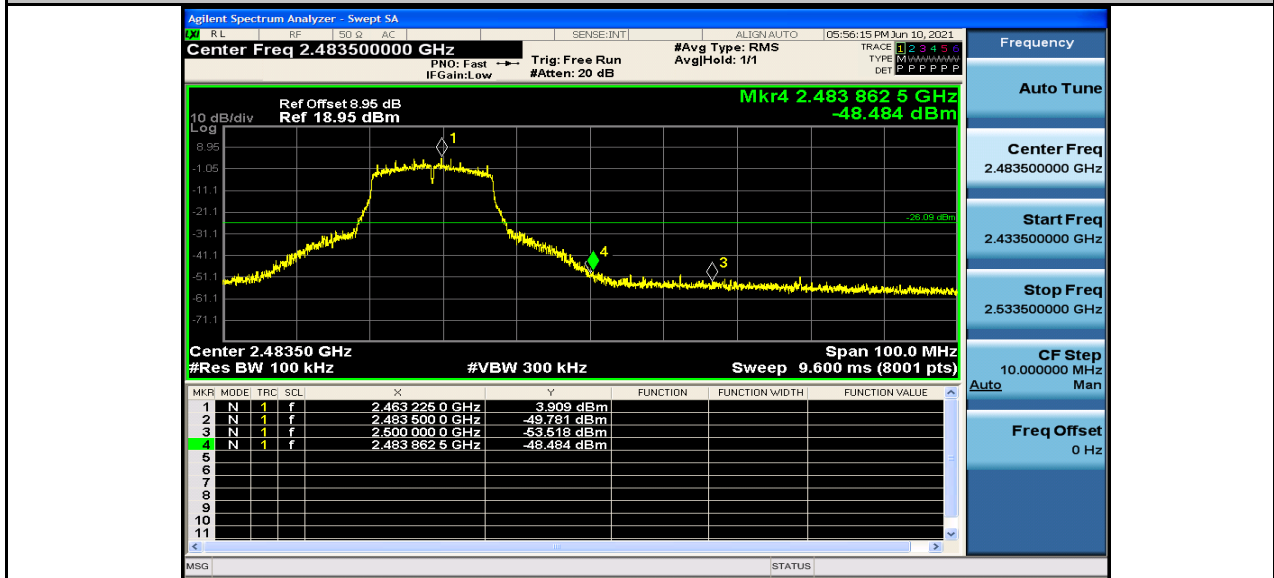
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Band-edge for RF Conducted Emissions_11G_2462_Ant1



Band-edge for RF Conducted Emissions_11N20MIMO_2412_Ant1



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