

Appendix Test Data

Report No.:	18220WC20195201	Test Sample No.:	1-2-2
Start Test Date:	2022.8.22	Finish Test Date:	2022.8.26
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	26.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.120	2407.440	2416.560	0.5	PASS
		2437	9.560	2432.440	2442.000	0.5	PASS
		2462	9.080	2457.480	2466.560	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.640	2428.200	2445.840	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

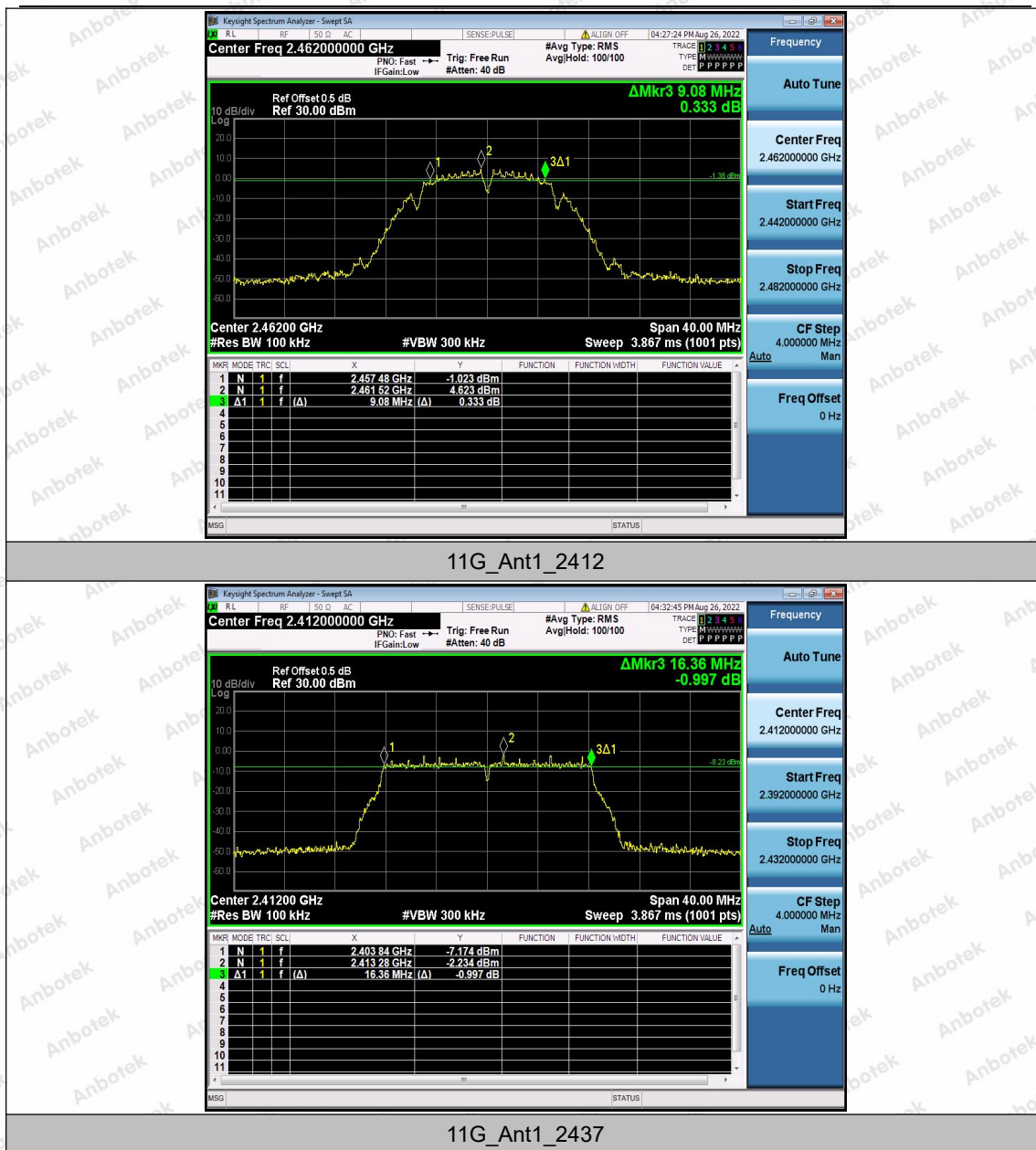
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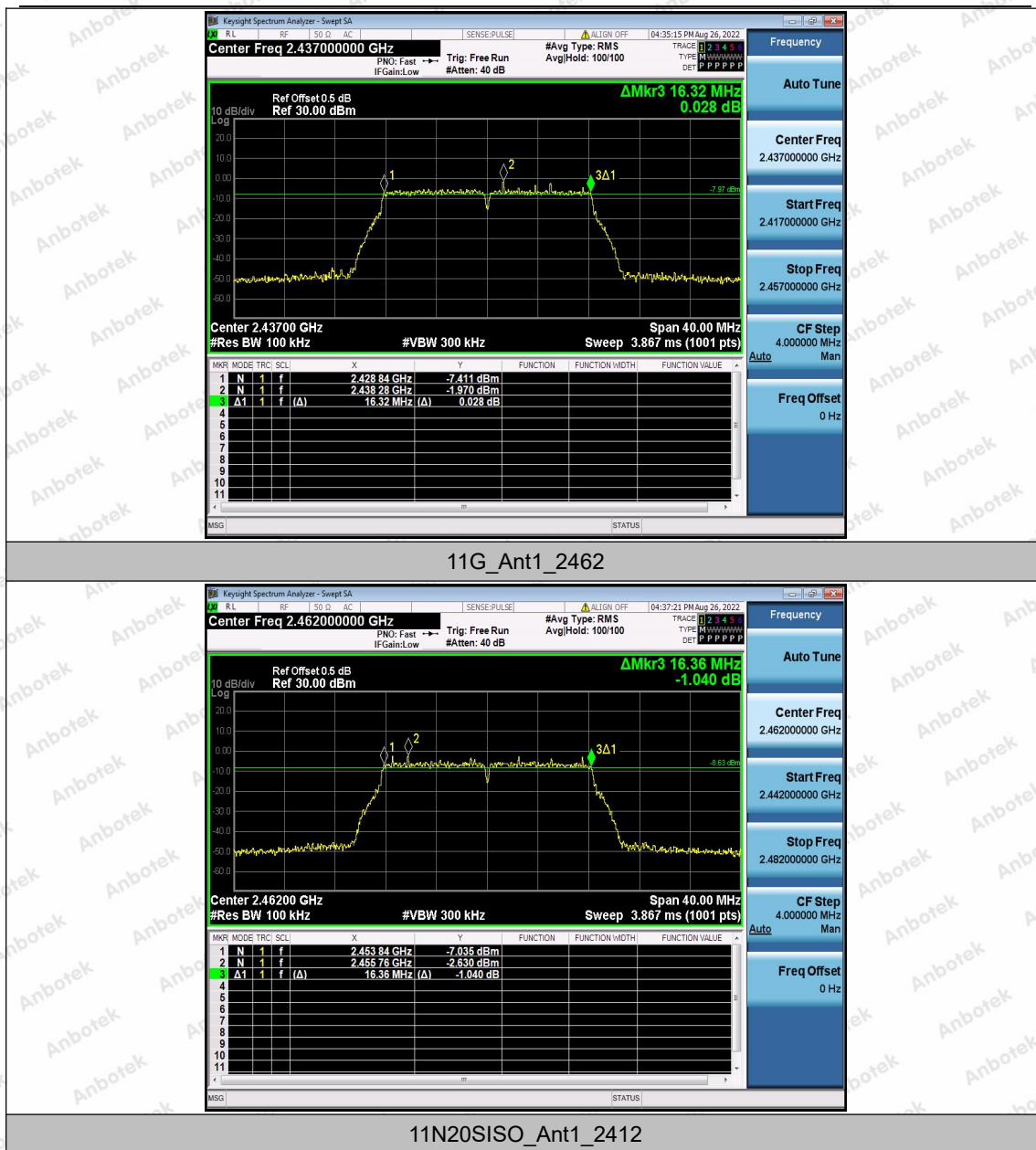
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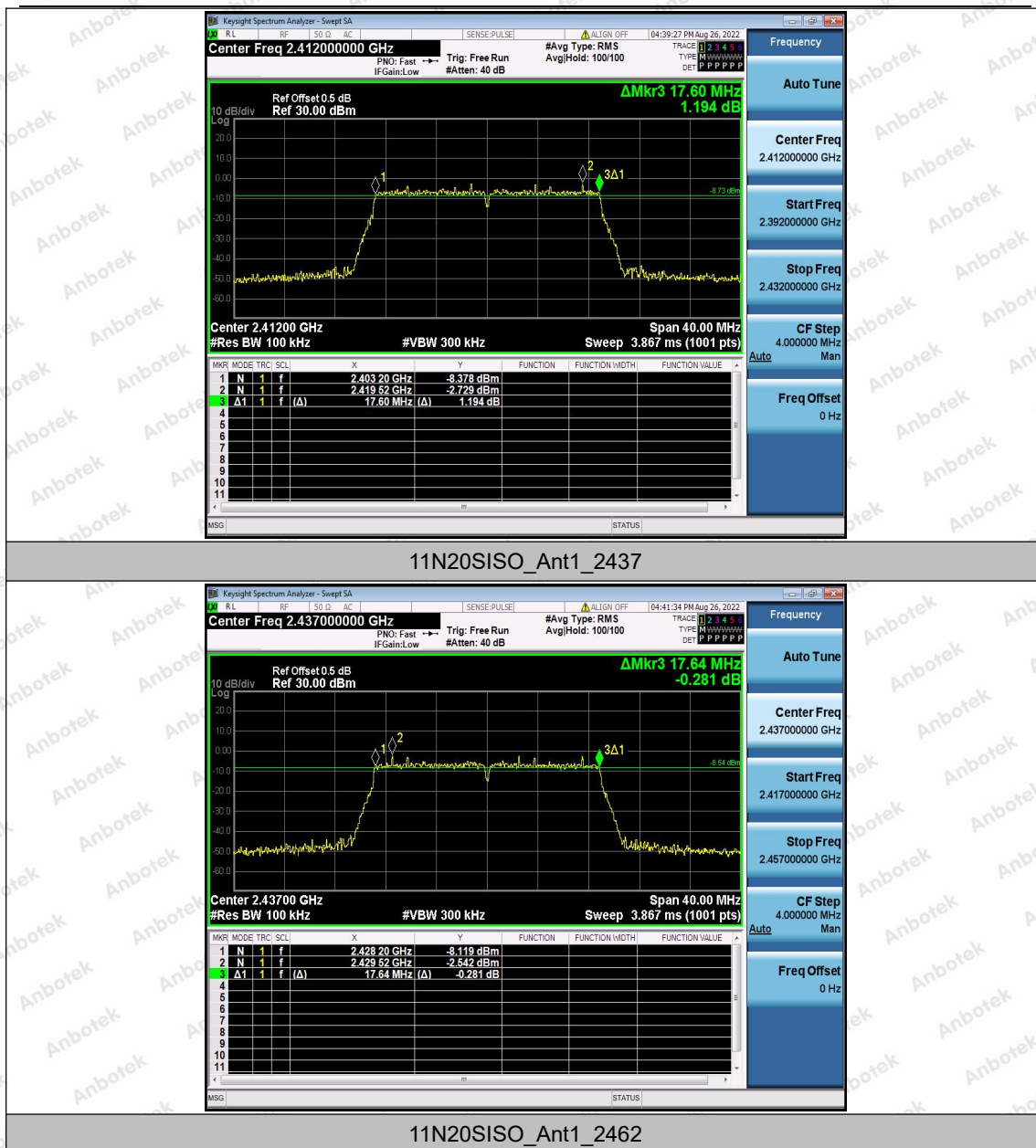
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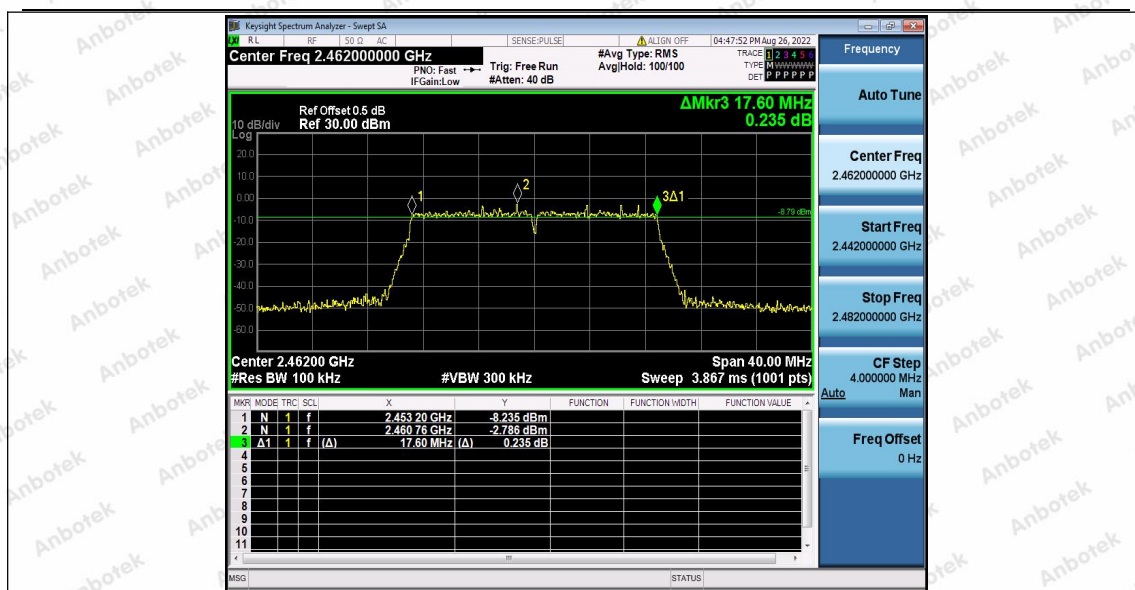
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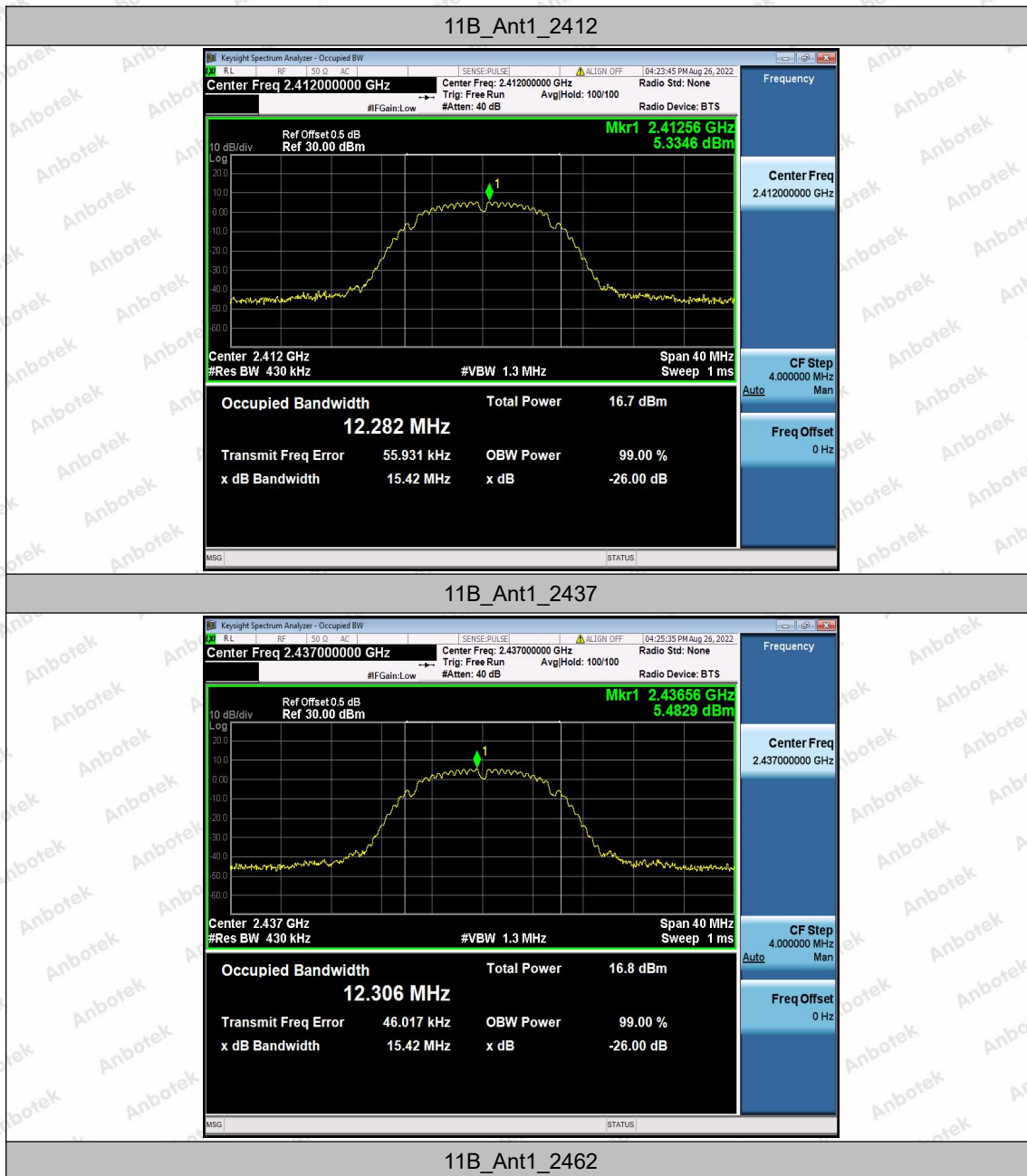
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	12.282	2405.9149	2418.1969
		2437	12.306	2430.8930	2443.1990
		2462	12.299	2455.8886	2468.1876
11G	Ant1	2412	17.128	2403.4637	2420.5917
		2437	17.057	2428.5063	2445.5633
		2462	17.025	2453.5001	2470.5251
11N20SISO	Ant1	2412	17.942	2403.0694	2421.0114
		2437	18.015	2428.0522	2446.0672
		2462	17.930	2453.0525	2470.9825



Test Graphs



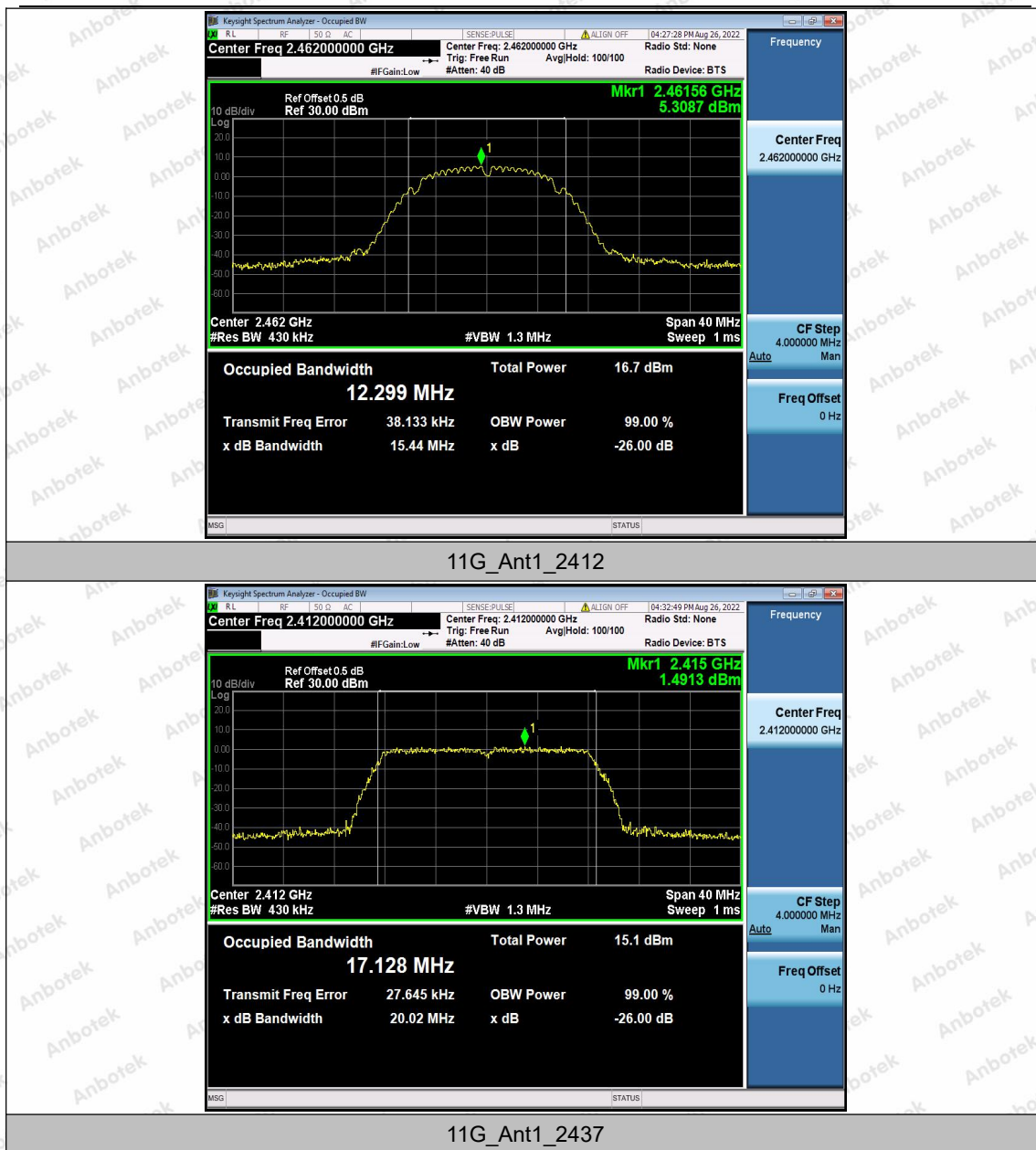
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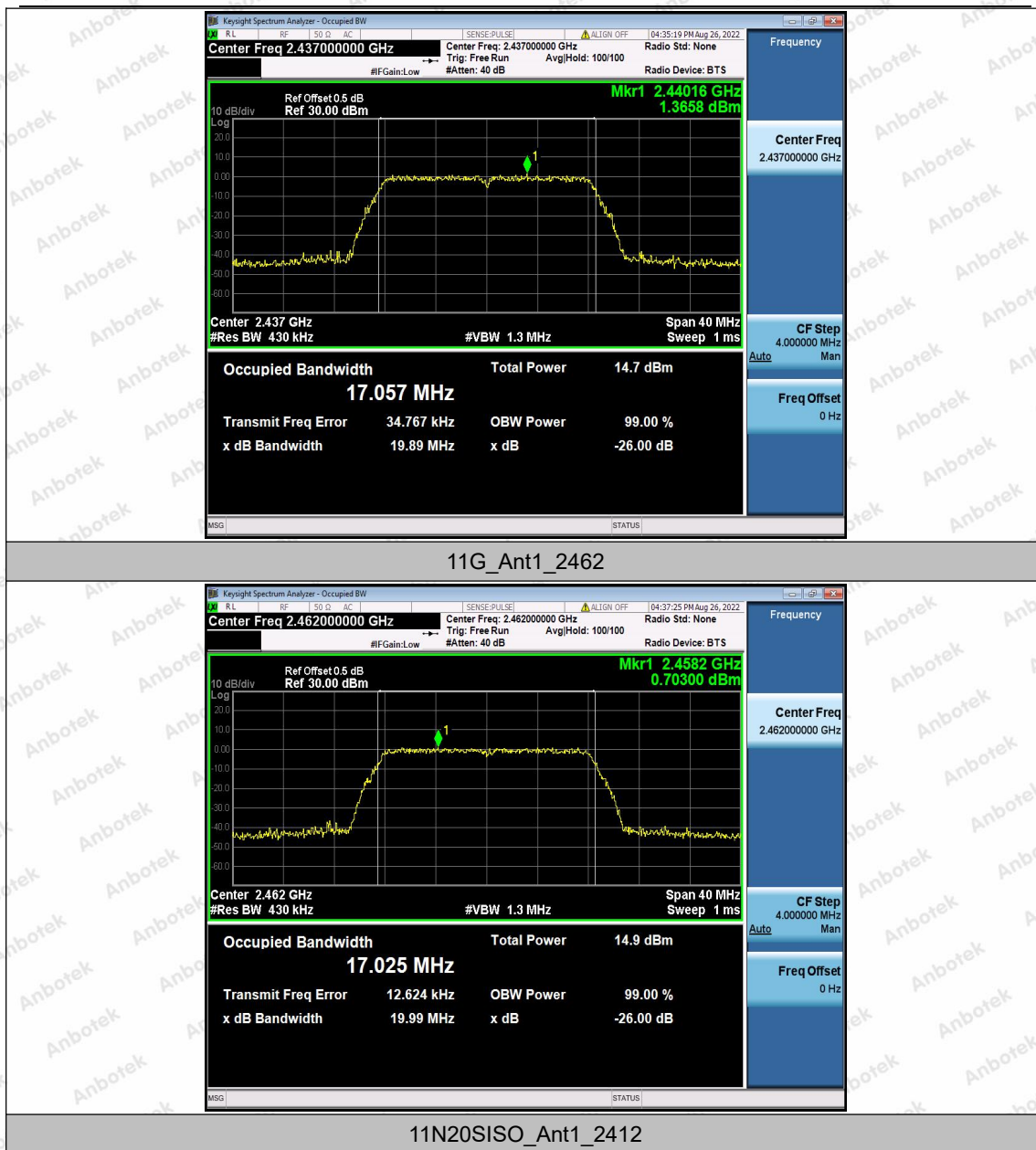
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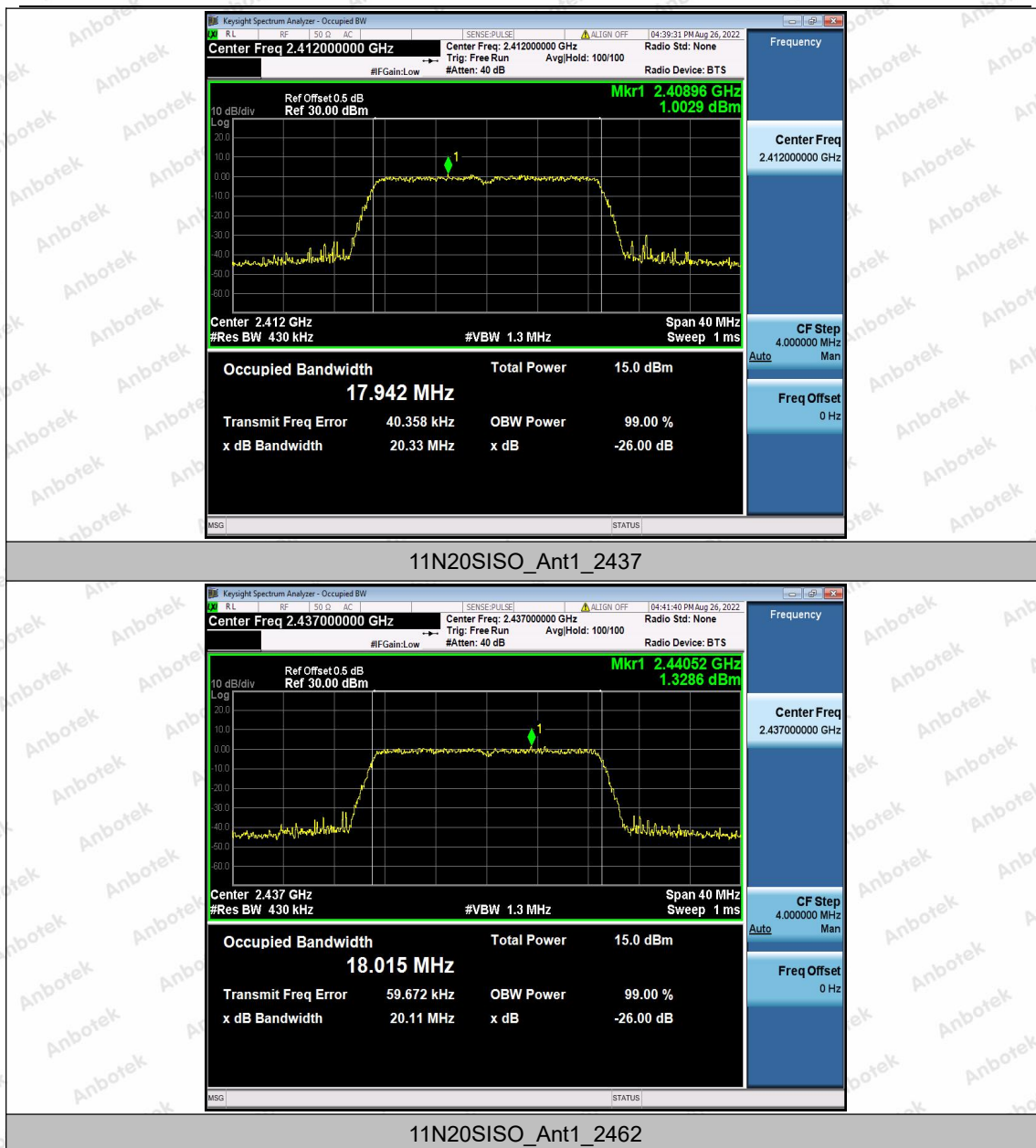
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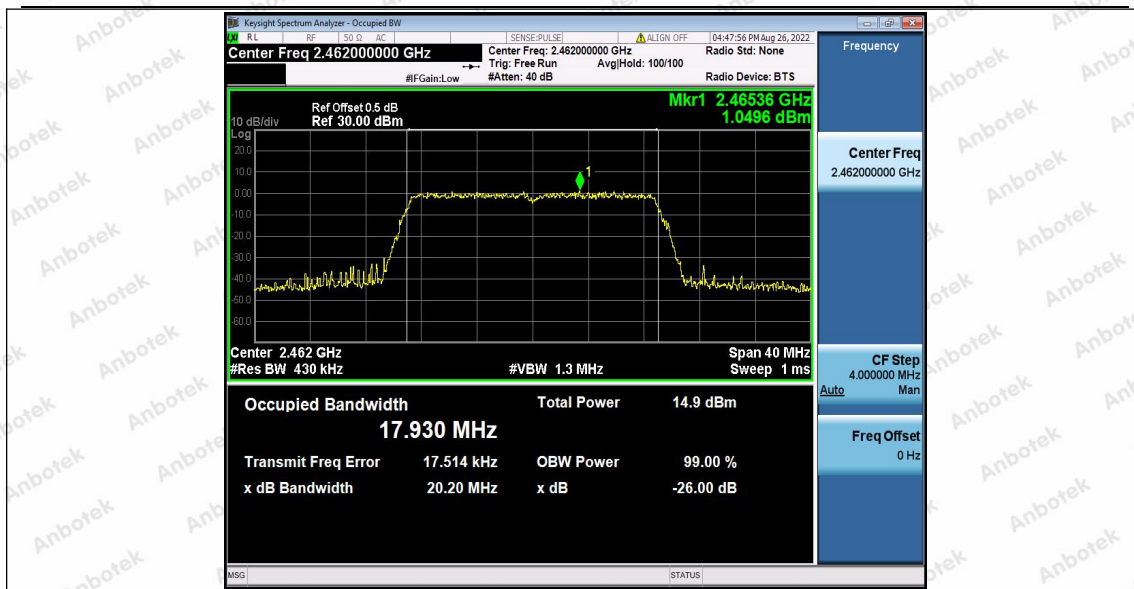
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequen cy[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	16.42	≤30.00	PASS
		2437	16.45	≤30.00	PASS
		2462	16.45	≤30.00	PASS
11G	Ant1	2412	16.03	≤30.00	PASS
		2437	15.94	≤30.00	PASS
		2462	16.08	≤30.00	PASS
11N20SIS O	Ant1	2412	16.14	≤30.00	PASS
		2437	16.10	≤30.00	PASS
		2462	16.06	≤30.00	PASS



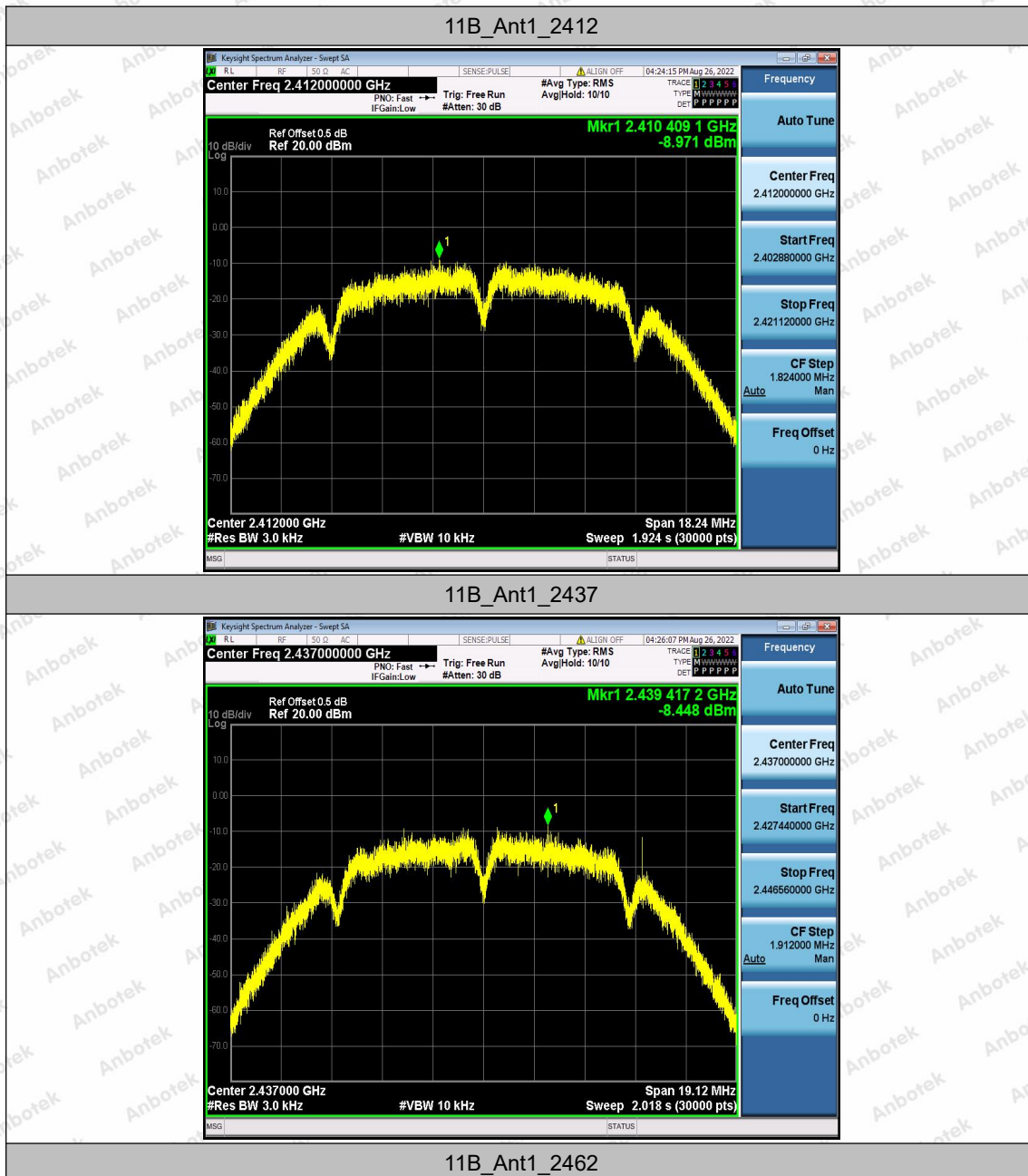
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.97	≤8.00	PASS
		2437	-8.45	≤8.00	PASS
		2462	-5.17	≤8.00	PASS
11G	Ant1	2412	-16.44	≤8.00	PASS
		2437	-16.21	≤8.00	PASS
		2462	-16.04	≤8.00	PASS
11N20SISO	Ant1	2412	-16.72	≤8.00	PASS
		2437	-15.21	≤8.00	PASS
		2462	-16.45	≤8.00	PASS



Test Graphs



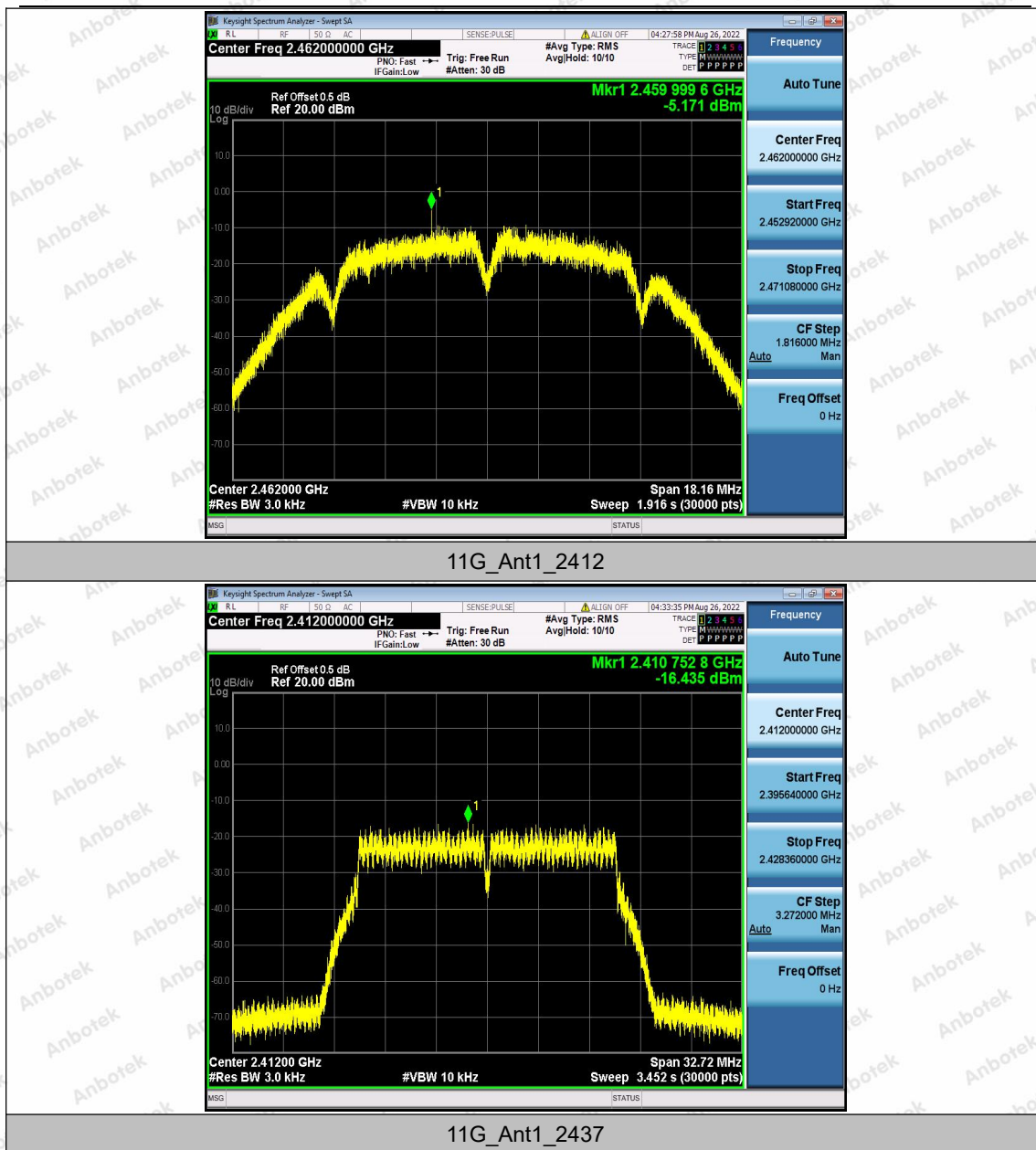
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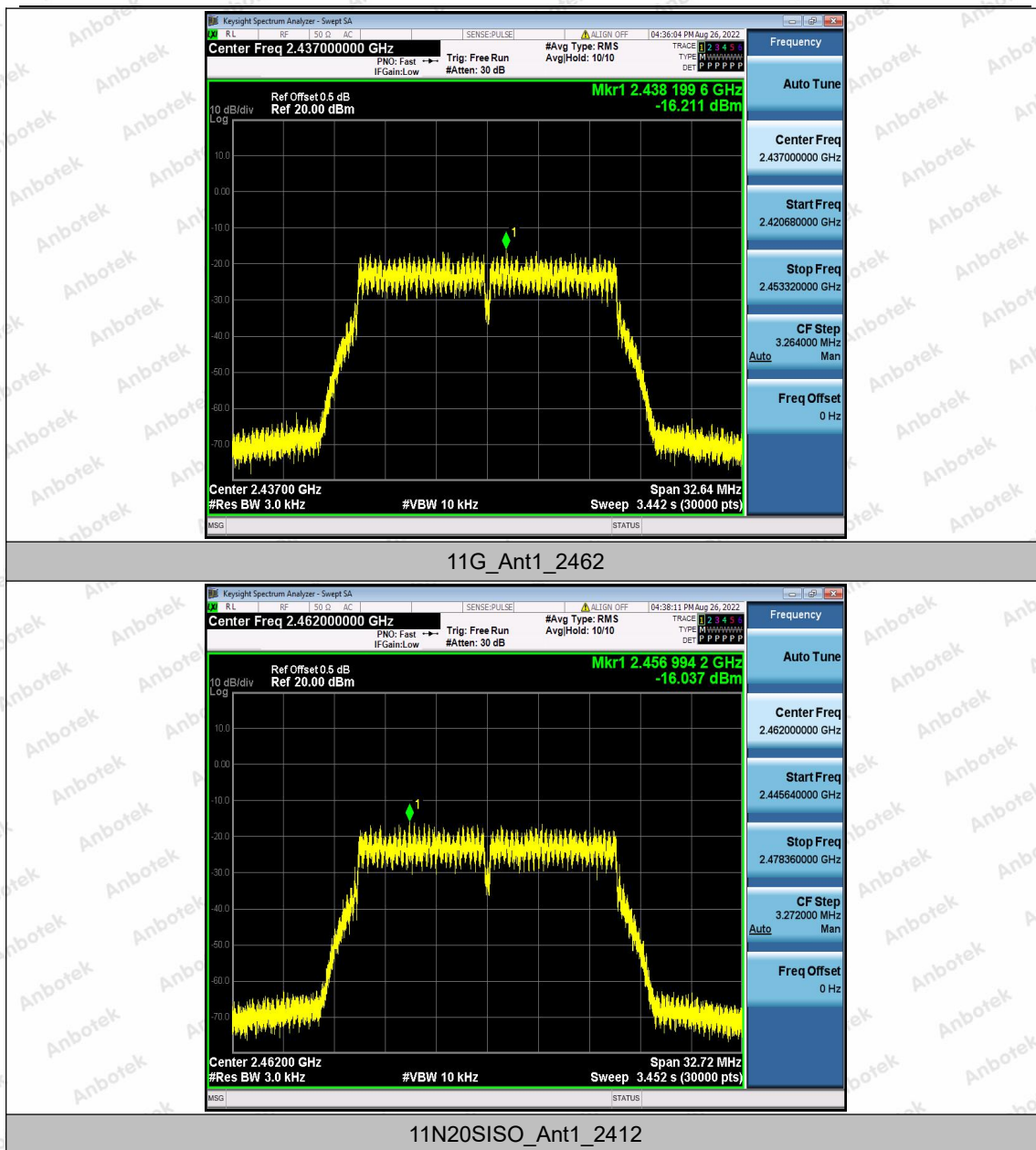
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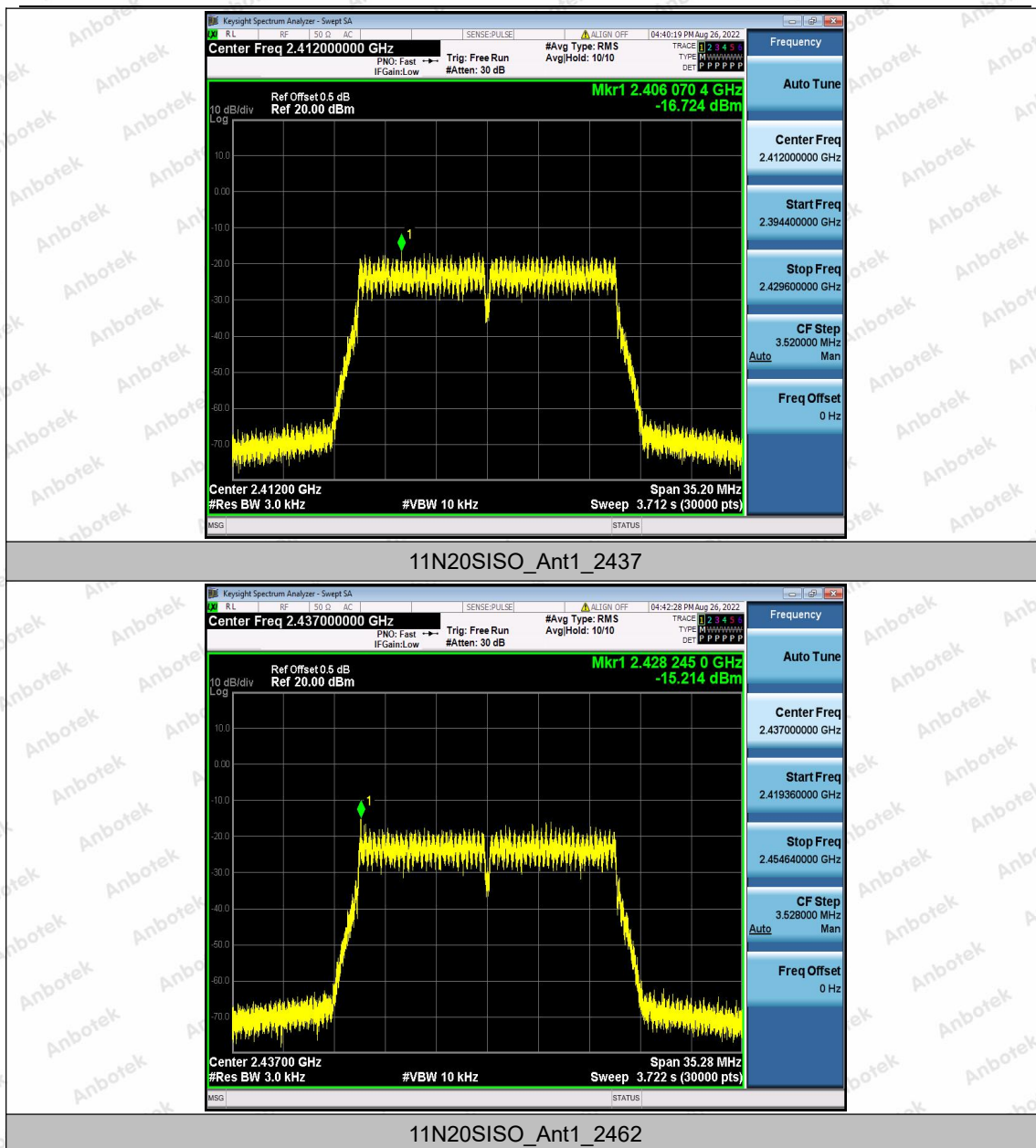
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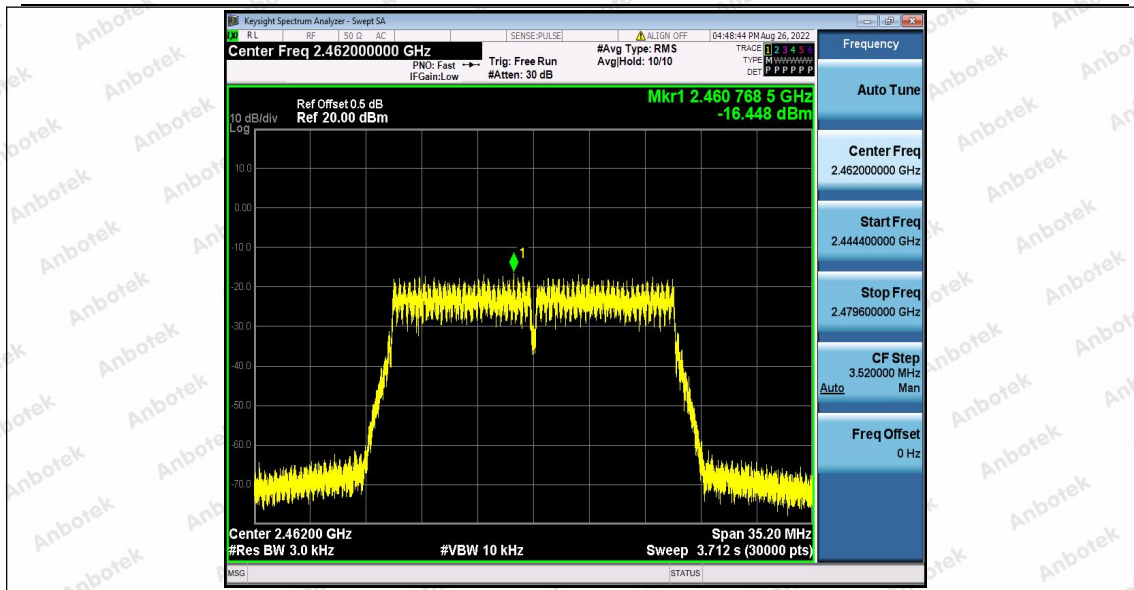
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Appendix E: Band edge measurements

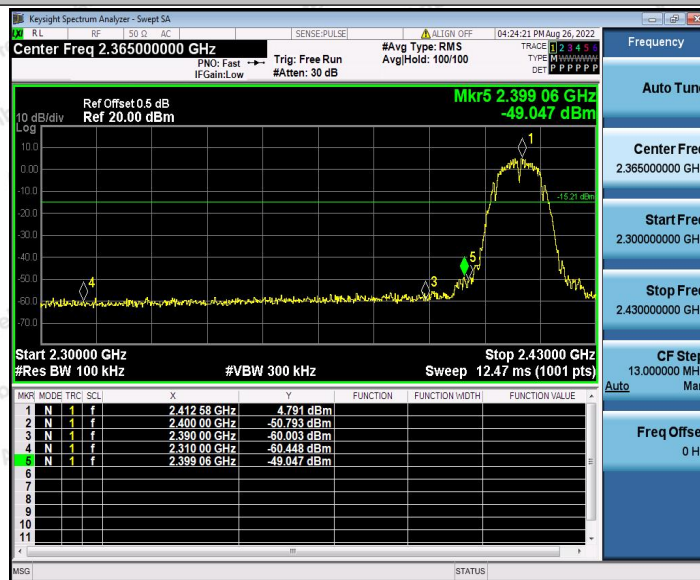
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.79	-49.05	≤-15.21	PASS
		High	2462	5.13	-54.67	≤-14.88	PASS
11G	Ant1	Low	2412	-1.93	-45.43	≤-21.93	PASS
		High	2462	-2.30	-53.22	≤-22.3	PASS
11N20SISO	Ant1	Low	2412	-2.53	-44.97	≤-22.53	PASS
		High	2462	-2.43	-52.39	≤-22.43	PASS

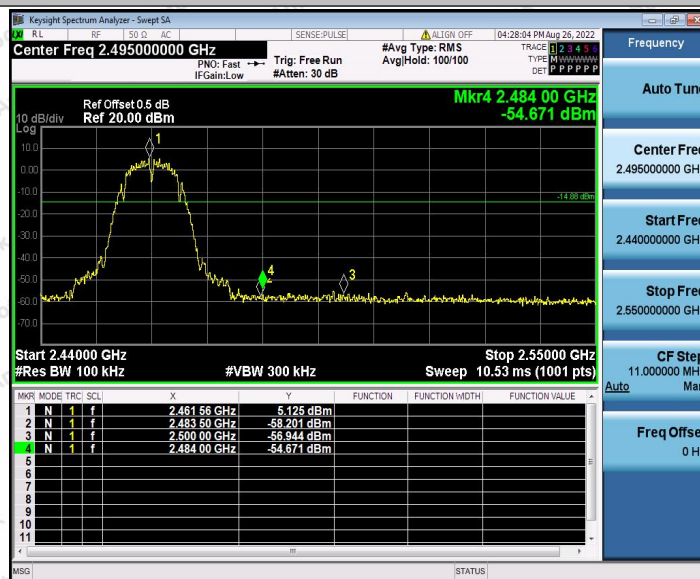


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

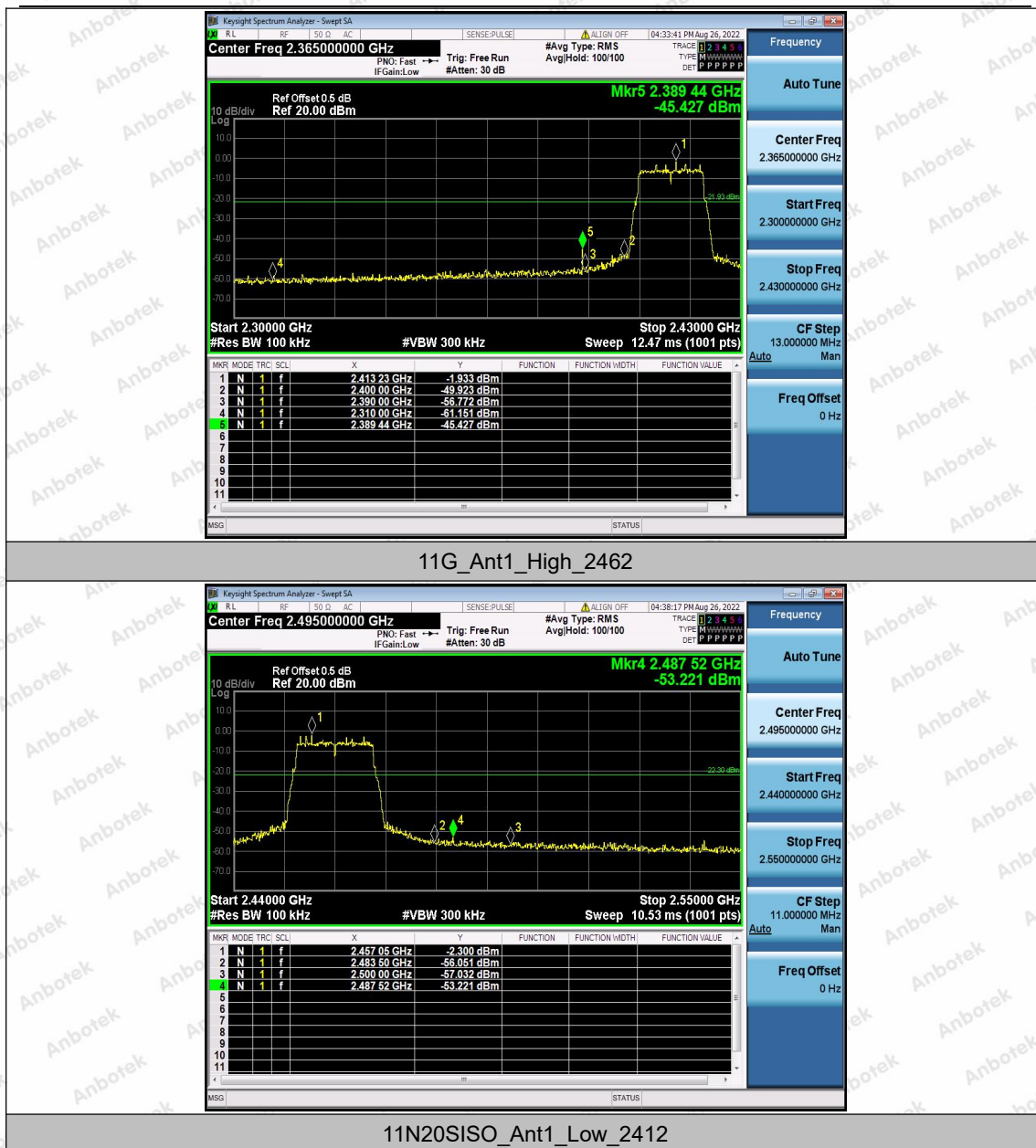
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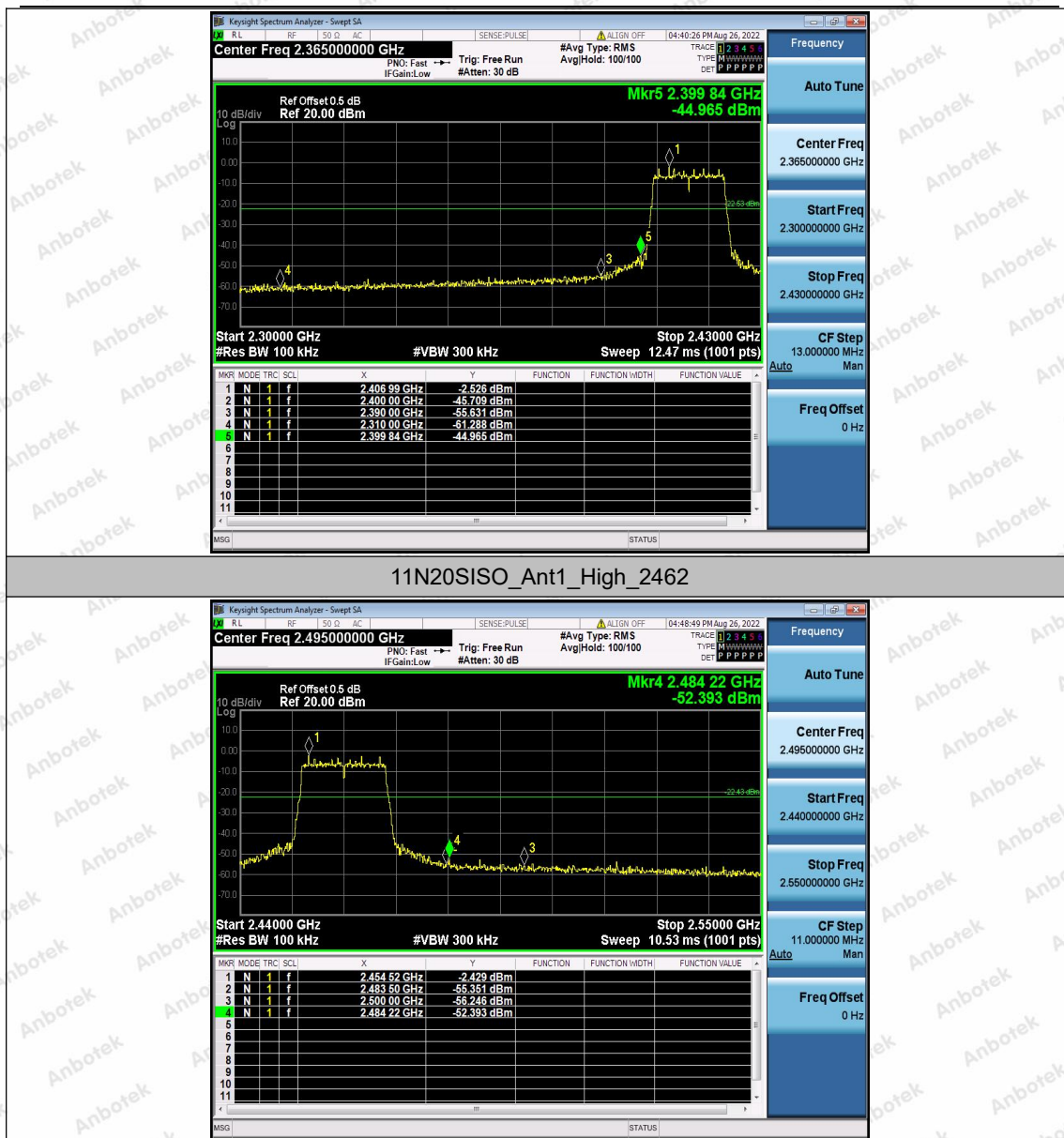
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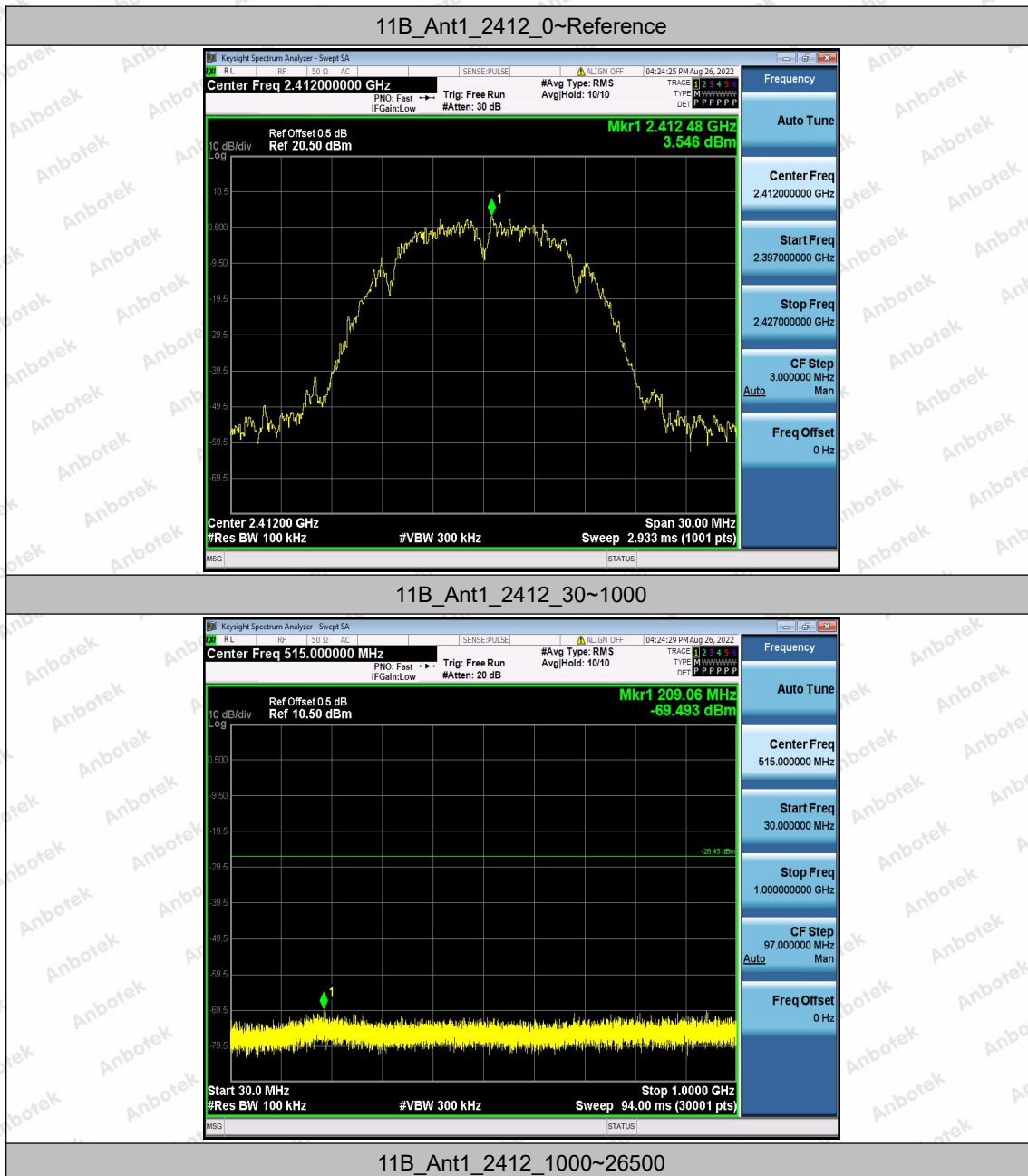
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.55	3.55	---	PASS
			30~1000	3.55	-69.49	≤-26.45	PASS
			1000~26500	3.55	-54.25	≤-26.45	PASS
		2437	Reference	4.22	4.22	---	PASS
			30~1000	4.22	-69.44	≤-25.78	PASS
			1000~26500	4.22	-53.78	≤-25.78	PASS
		2462	Reference	4.19	4.19	---	PASS
			30~1000	4.19	-69.44	≤-25.81	PASS
			1000~26500	4.19	-53.85	≤-25.81	PASS
11G	Ant1	2412	Reference	-3.16	-3.16	---	PASS
			30~1000	-3.16	-69.51	≤-33.16	PASS
			1000~26500	-3.16	-53.2	≤-33.16	PASS
		2437	Reference	-5.87	-5.87	---	PASS
			30~1000	-5.87	-70.15	≤-35.87	PASS
			1000~26500	-5.87	-54.03	≤-35.87	PASS
		2462	Reference	-2.99	-2.99	---	PASS
			30~1000	-2.99	-69.88	≤-32.99	PASS
			1000~26500	-2.99	-53.99	≤-32.99	PASS
11N20SISO	Ant1	2412	Reference	-2.75	-2.75	---	PASS
			30~1000	-2.75	-69.36	≤-32.75	PASS
			1000~26500	-2.75	-54.36	≤-32.75	PASS
		2437	Reference	-6.26	-6.26	---	PASS
			30~1000	-6.26	-69.83	≤-36.26	PASS
			1000~26500	-6.26	-53.98	≤-36.26	PASS
		2462	Reference	-2.53	-2.53	---	PASS
			30~1000	-2.53	-69.81	≤-32.53	PASS
			1000~26500	-2.53	-54.33	≤-32.53	PASS



Test Graphs



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