

Appendix Test Data

Report No:	18220WC20200302	Test Sample NO:	1-2-2
Start Test Date:	2022.8.29	Finish Test Date:	2022.9.5
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	48%
Pressure:	1012 hPa		

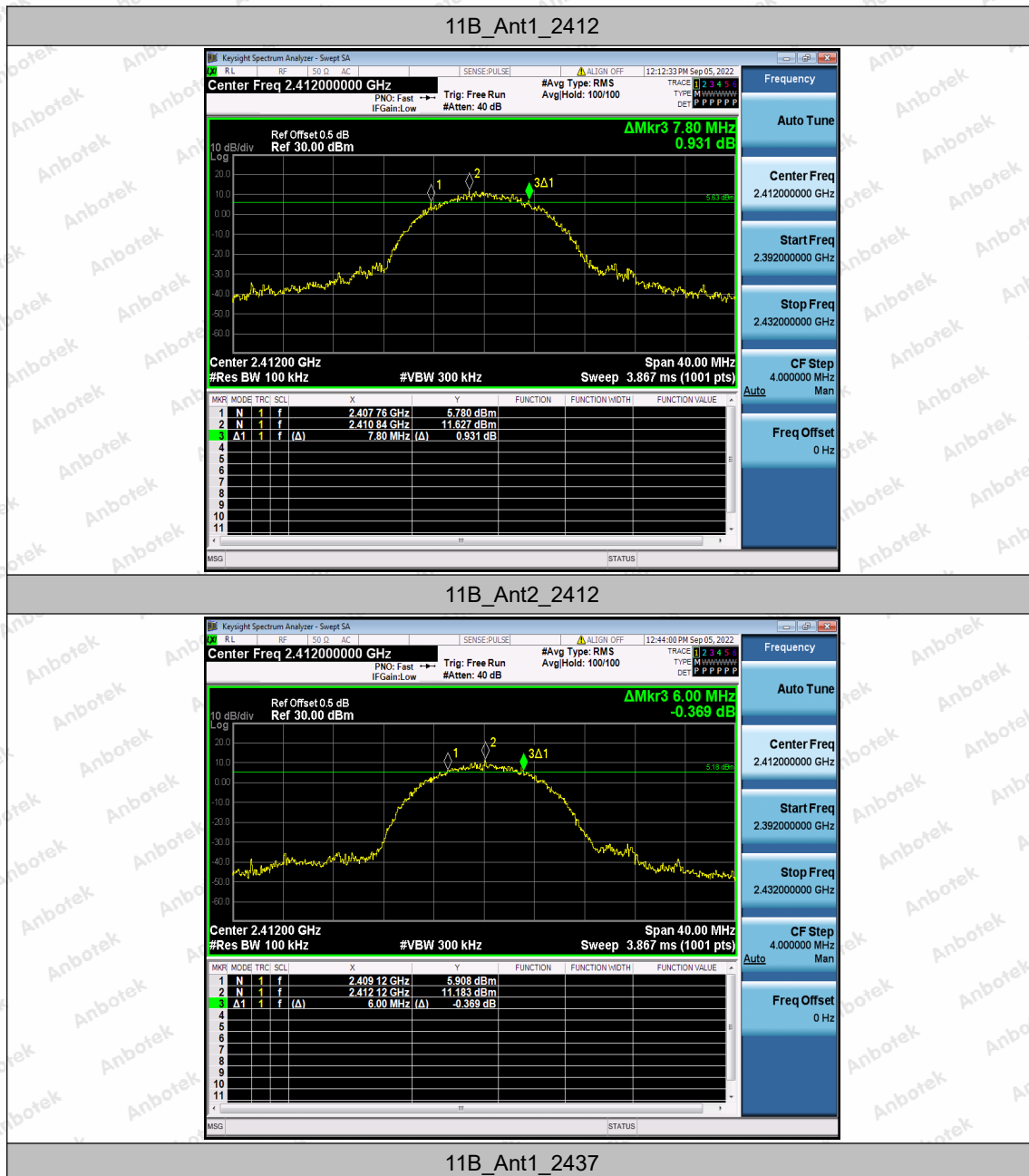
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.800	2407.760	2415.560	0.5	PASS
	Ant2	2412	6.000	2409.120	2415.120	0.5	PASS
	Ant1	2437	8.040	2432.960	2441.000	0.5	PASS
	Ant2	2437	7.240	2433.280	2440.520	0.5	PASS
	Ant1	2462	7.360	2458.440	2465.800	0.5	PASS
	Ant2	2462	6.600	2458.720	2465.320	0.5	PASS
11G	Ant1	2412	16.400	2403.760	2420.160	0.5	PASS
	Ant2	2412	16.440	2403.760	2420.200	0.5	PASS
	Ant1	2437	16.440	2428.760	2445.200	0.5	PASS
	Ant2	2437	16.480	2428.760	2445.240	0.5	PASS
	Ant1	2462	16.440	2453.760	2470.200	0.5	PASS
	Ant2	2462	16.440	2453.760	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.160	2420.840	0.5	PASS
	Ant2	2412	17.640	2403.160	2420.800	0.5	PASS
	Ant1	2437	17.680	2428.160	2445.840	0.5	PASS
	Ant2	2437	17.720	2428.160	2445.880	0.5	PASS
	Ant1	2462	17.680	2453.160	2470.840	0.5	PASS
	Ant2	2462	17.760	2453.120	2470.880	0.5	PASS



Test Graphs



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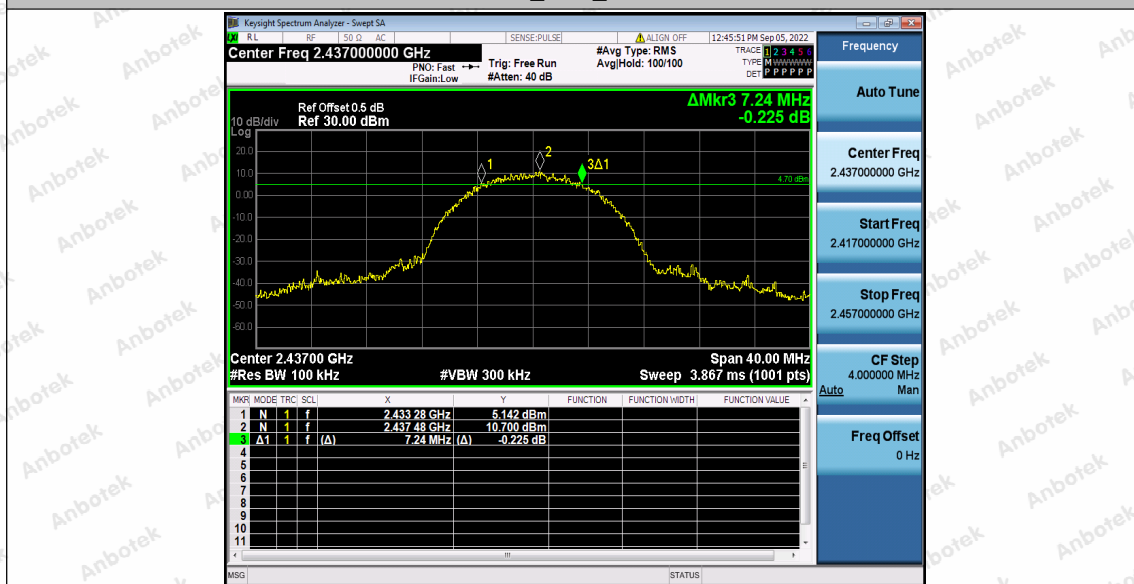


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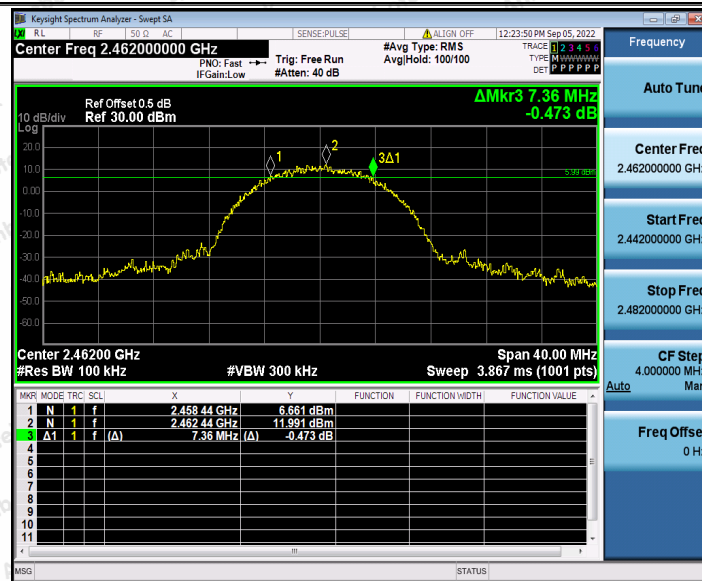


11B_Ant2_2437

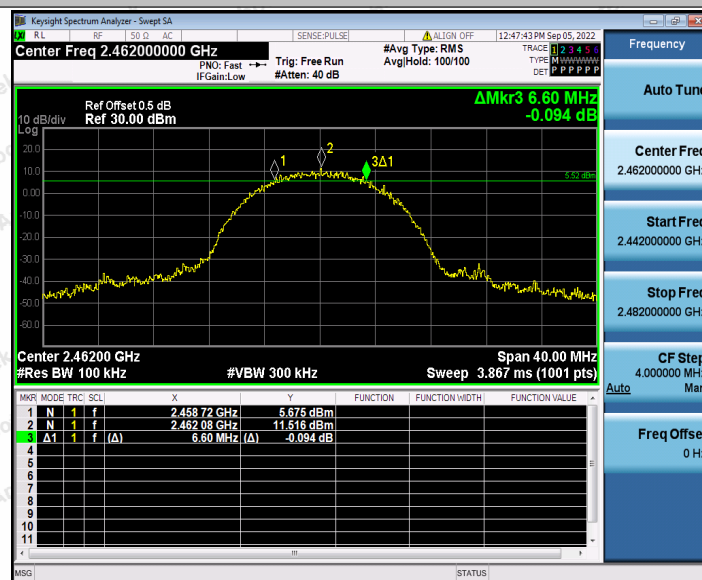


11B_Ant1_2462





11B_Ant2_2462



11G_Ant1_2412

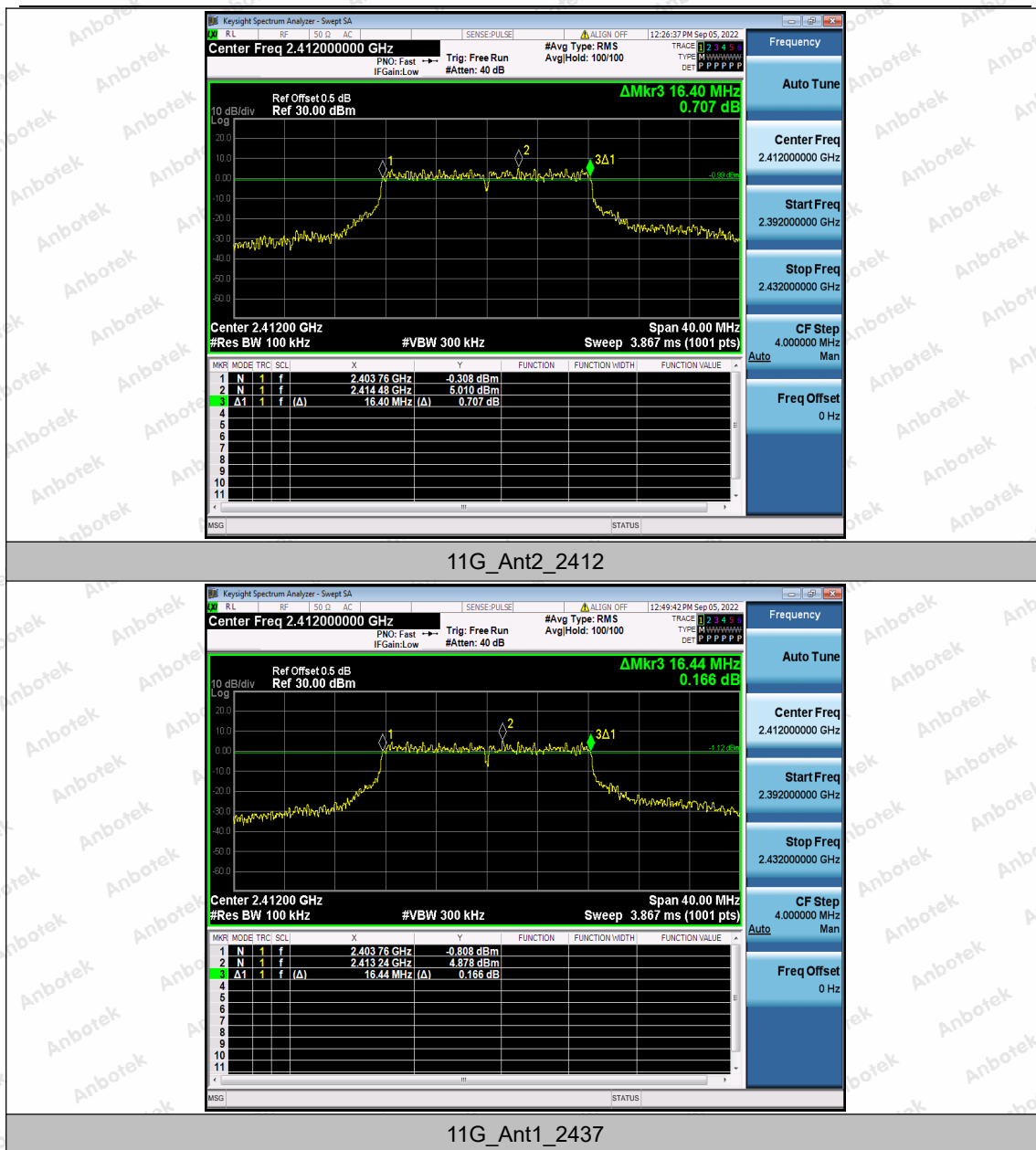
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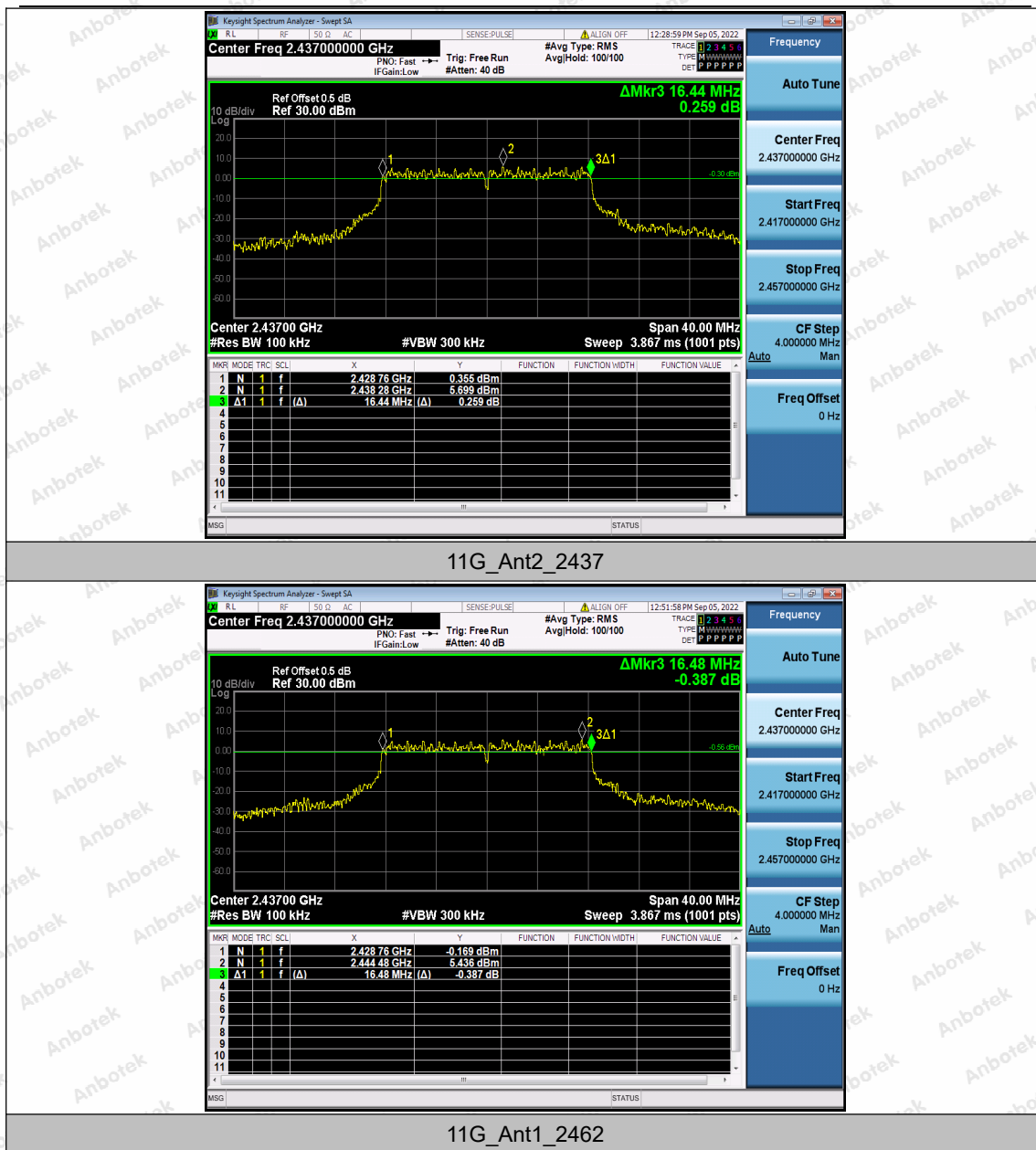
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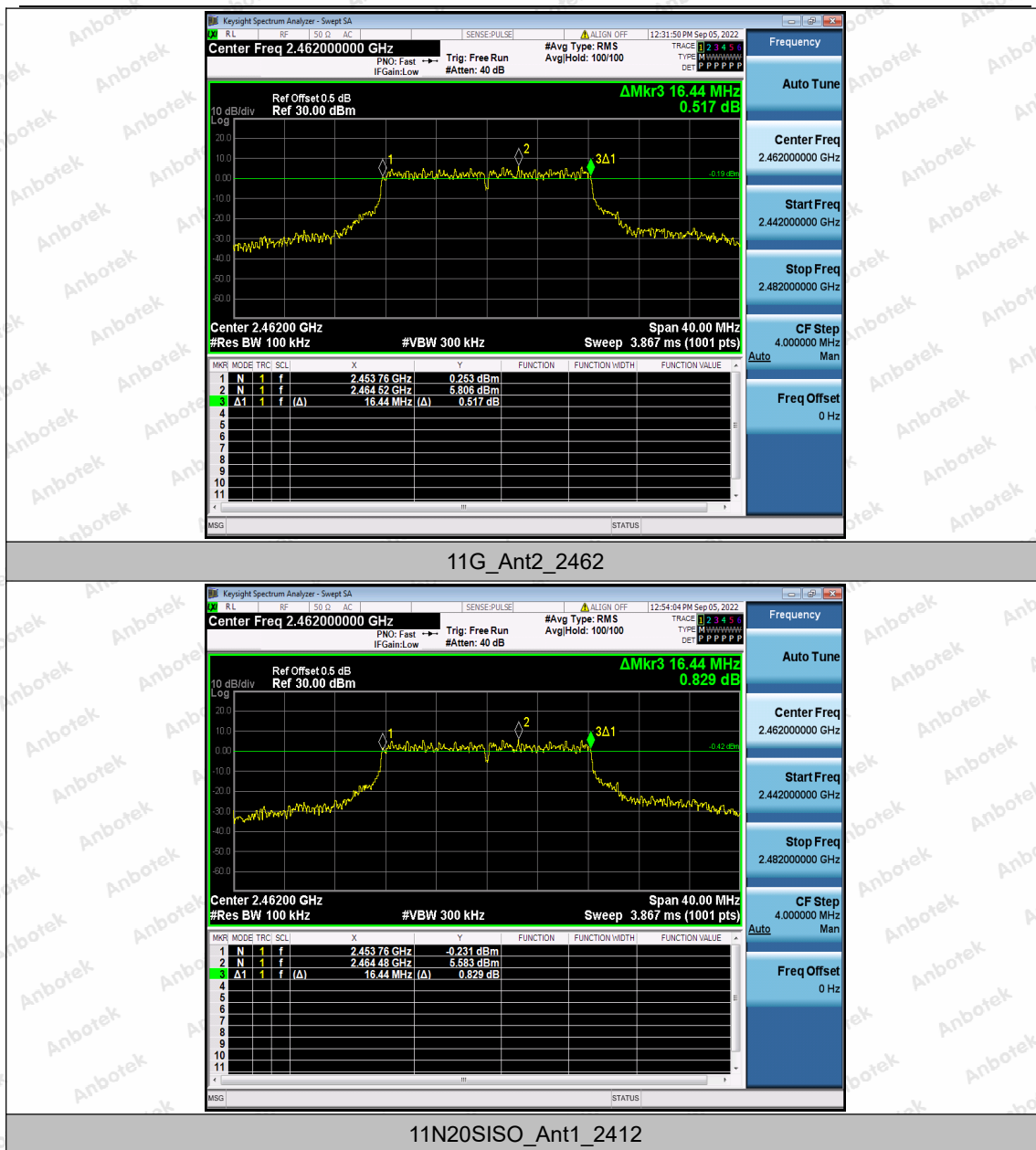
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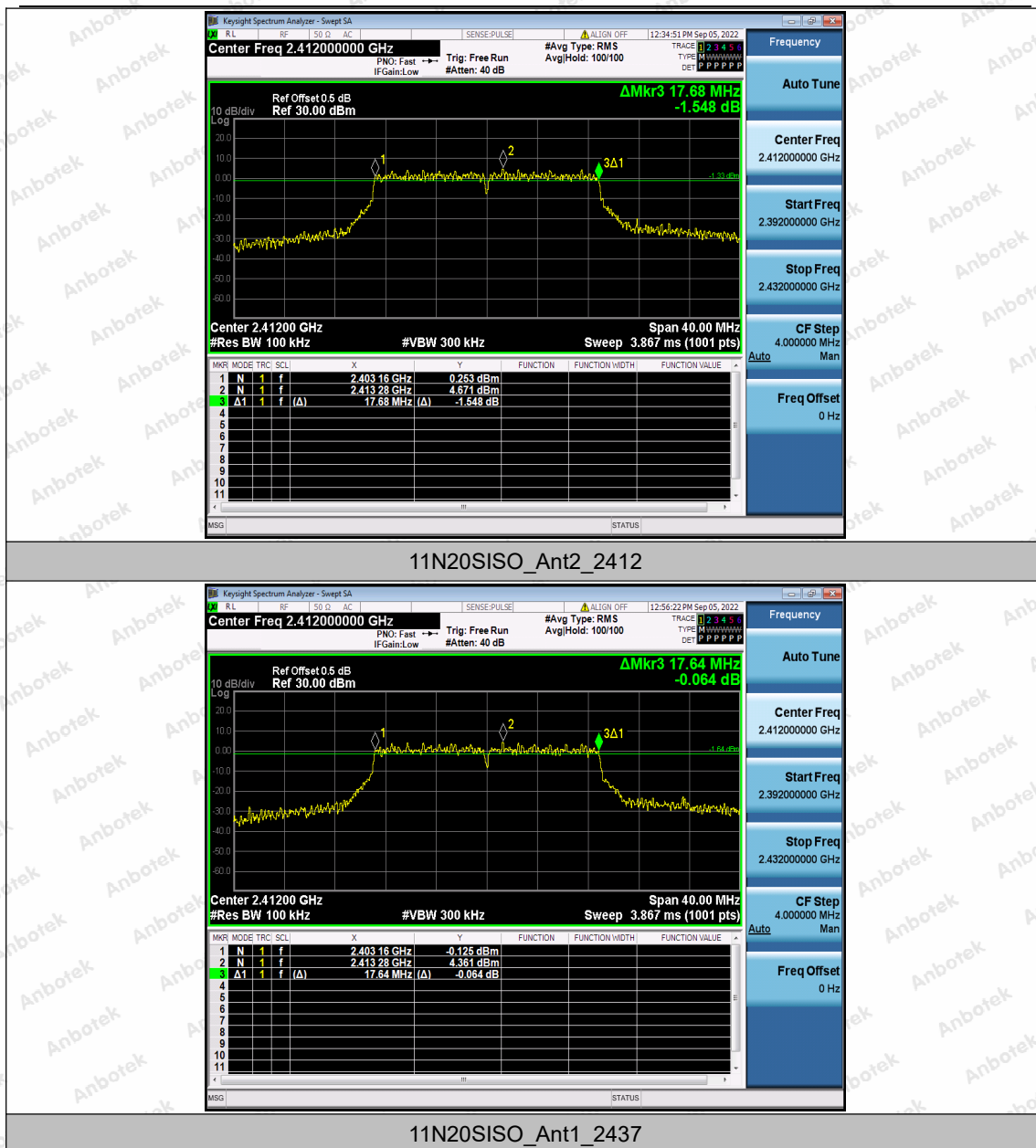
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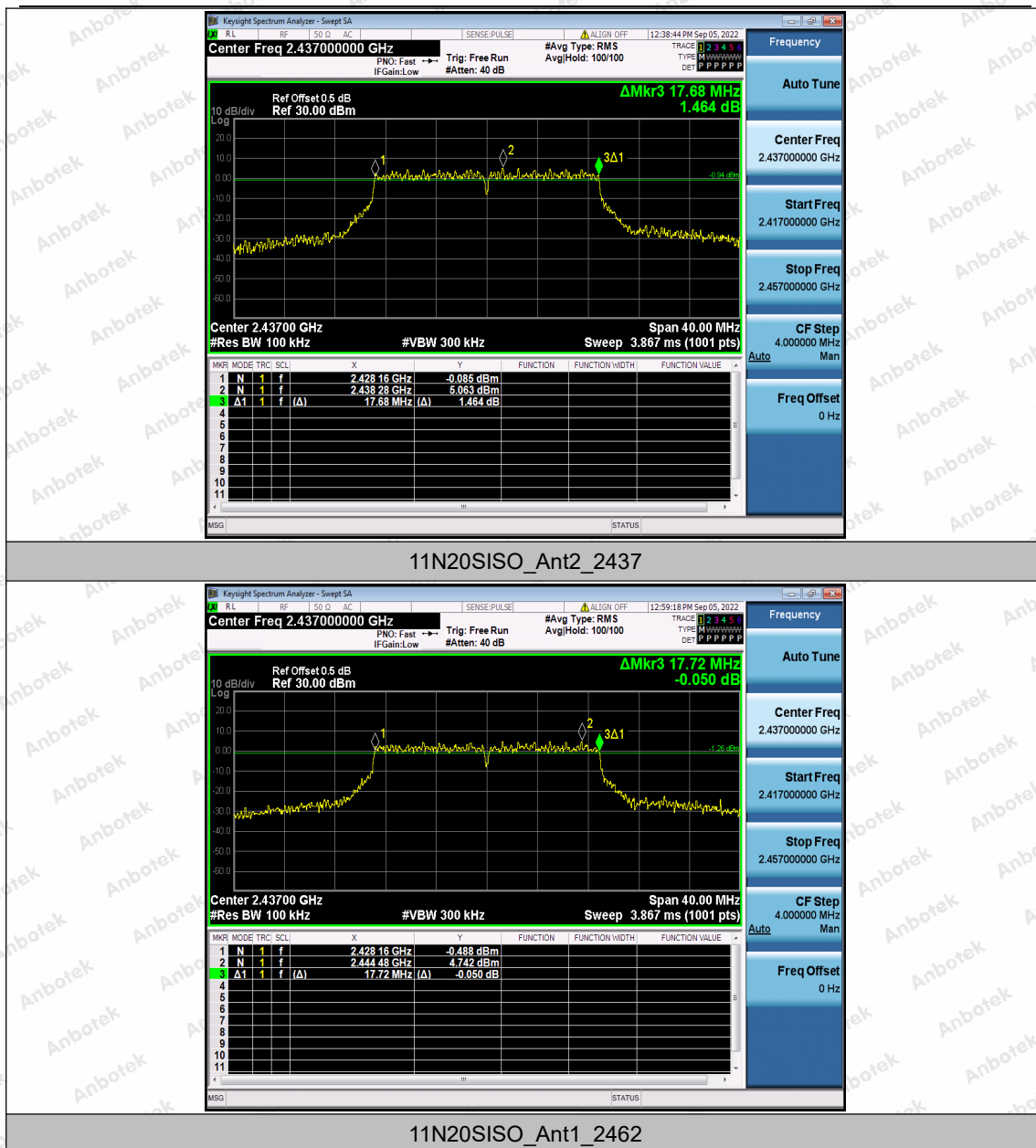
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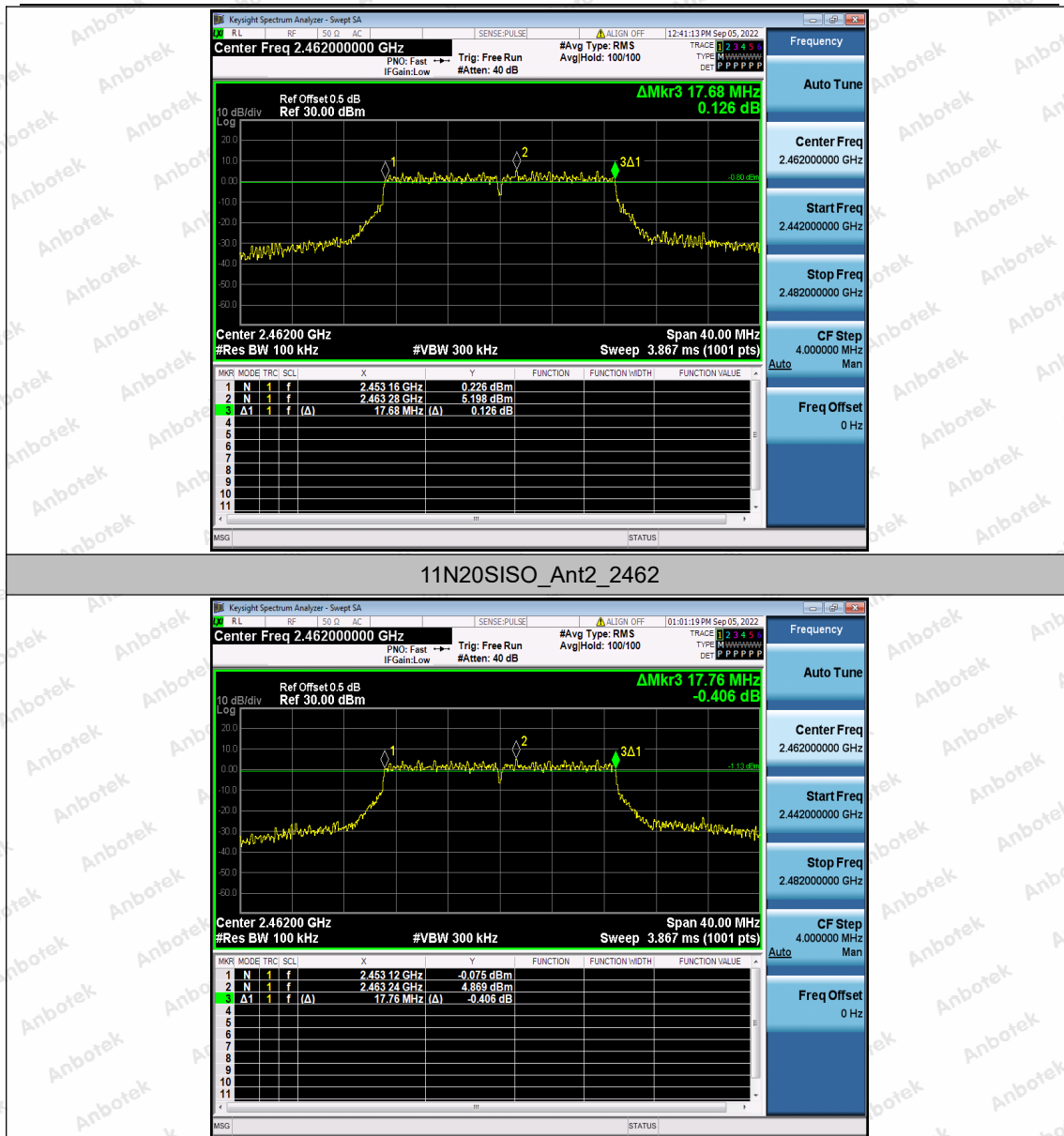
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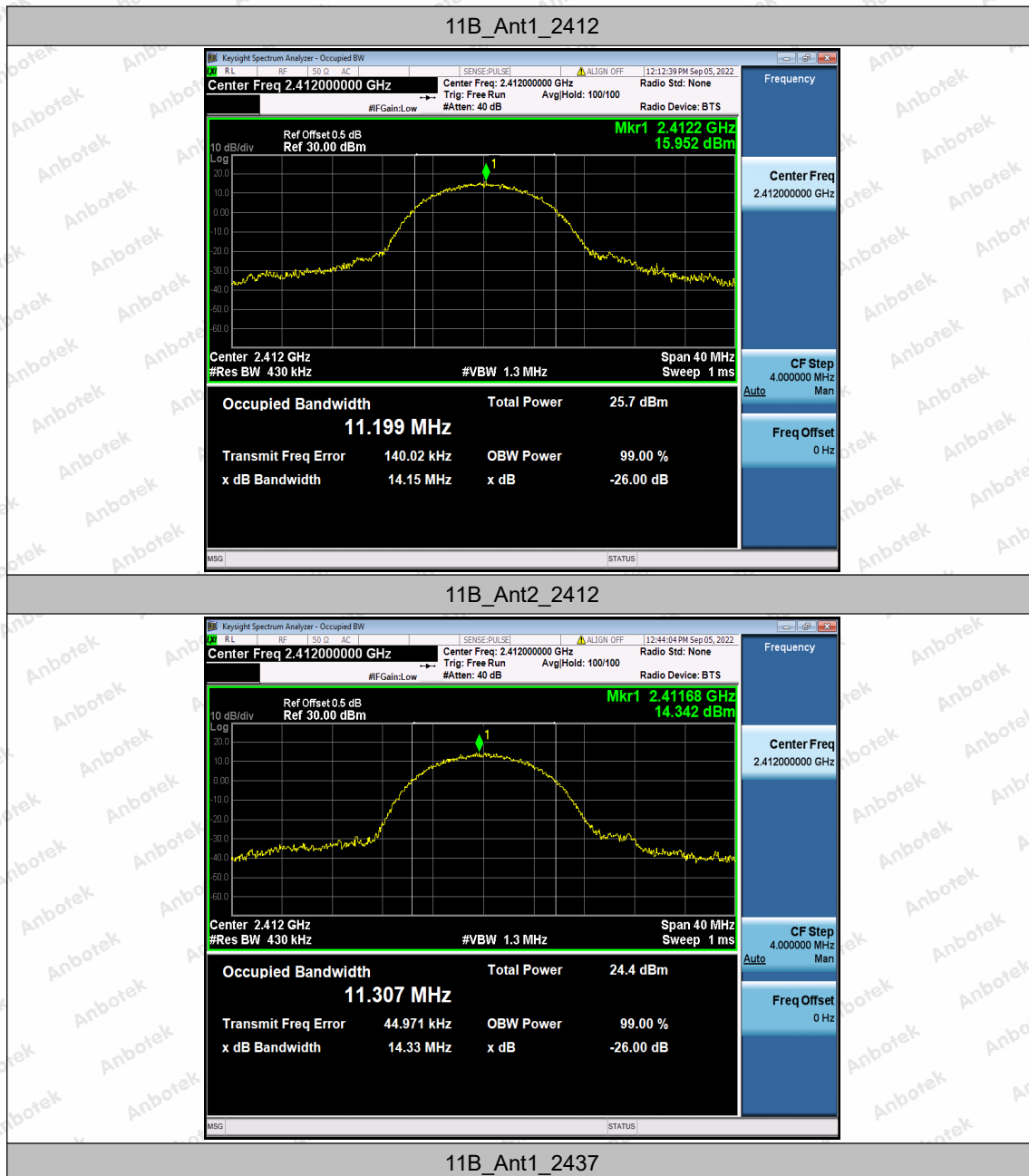
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	11.199	2406.5405	2417.7395
	Ant2	2412	11.307	2406.3915	2417.6985
	Ant1	2437	11.240	2431.4828	2442.7228
	Ant2	2437	11.217	2431.4620	2442.6790
	Ant1	2462	11.183	2456.4982	2467.6812
	Ant2	2462	11.255	2456.4422	2467.6972
11G	Ant1	2412	17.195	2403.5536	2420.7486
	Ant2	2412	17.183	2403.5138	2420.6968
	Ant1	2437	17.116	2428.5851	2445.7011
	Ant2	2437	17.188	2428.5356	2445.7236
	Ant1	2462	17.047	2453.6049	2470.6519
	Ant2	2462	17.056	2453.5632	2470.6192
11N20SISO	Ant1	2412	18.263	2402.9297	2421.1927
	Ant2	2412	18.299	2402.9079	2421.2069
	Ant1	2437	18.250	2427.9325	2446.1825
	Ant2	2437	18.273	2427.9122	2446.1852
	Ant1	2462	18.194	2452.9673	2471.1613
	Ant2	2462	18.182	2452.9411	2471.1231



Test Graphs



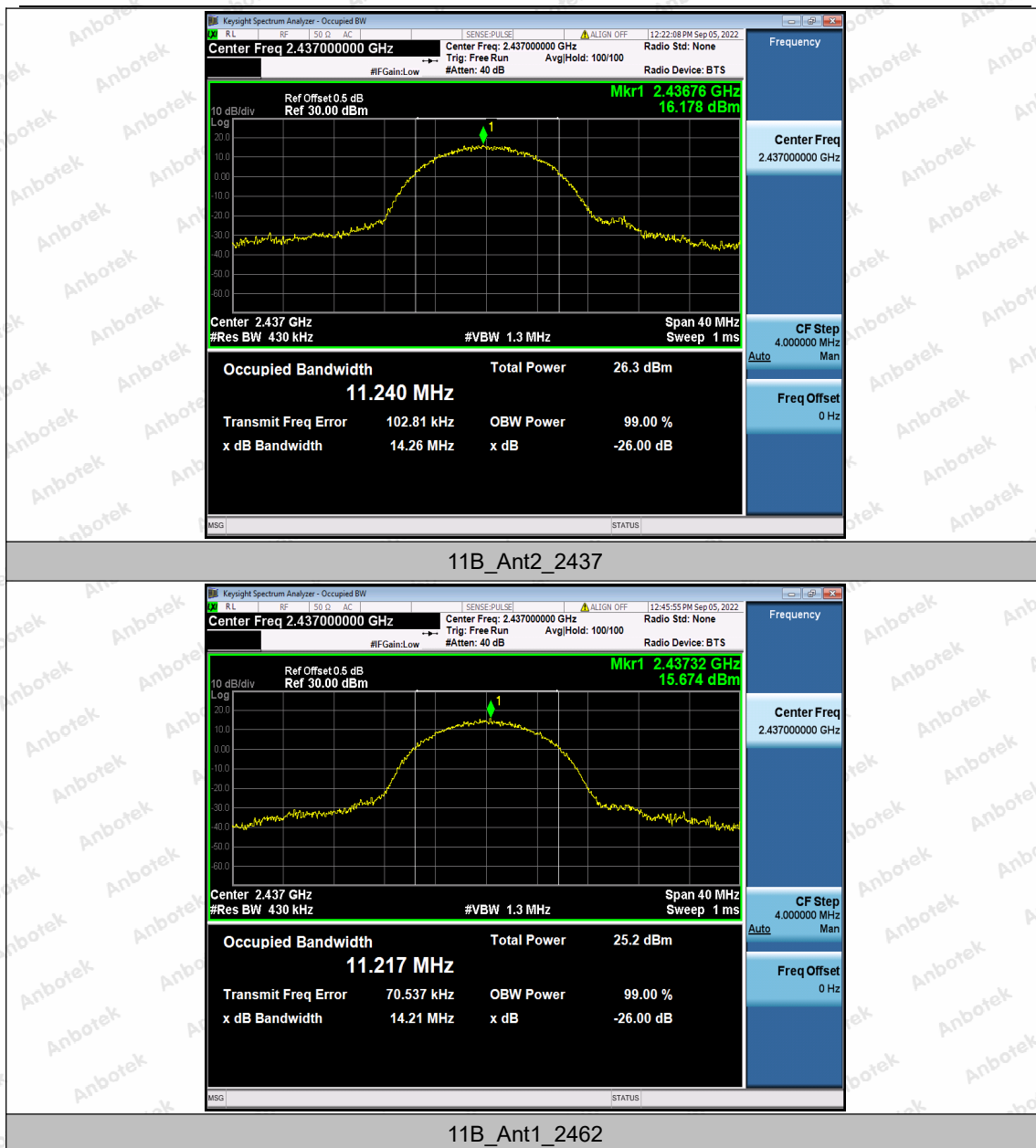
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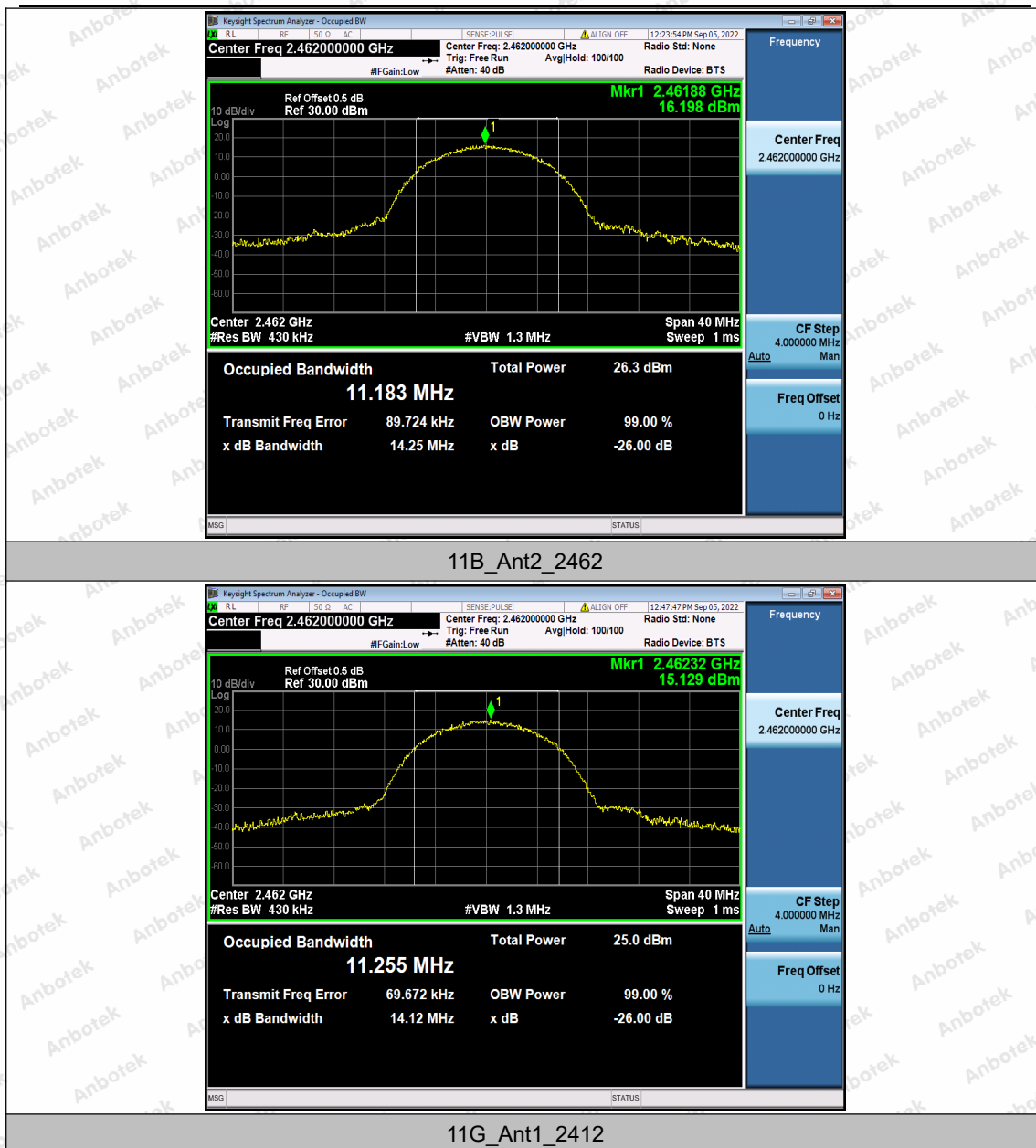
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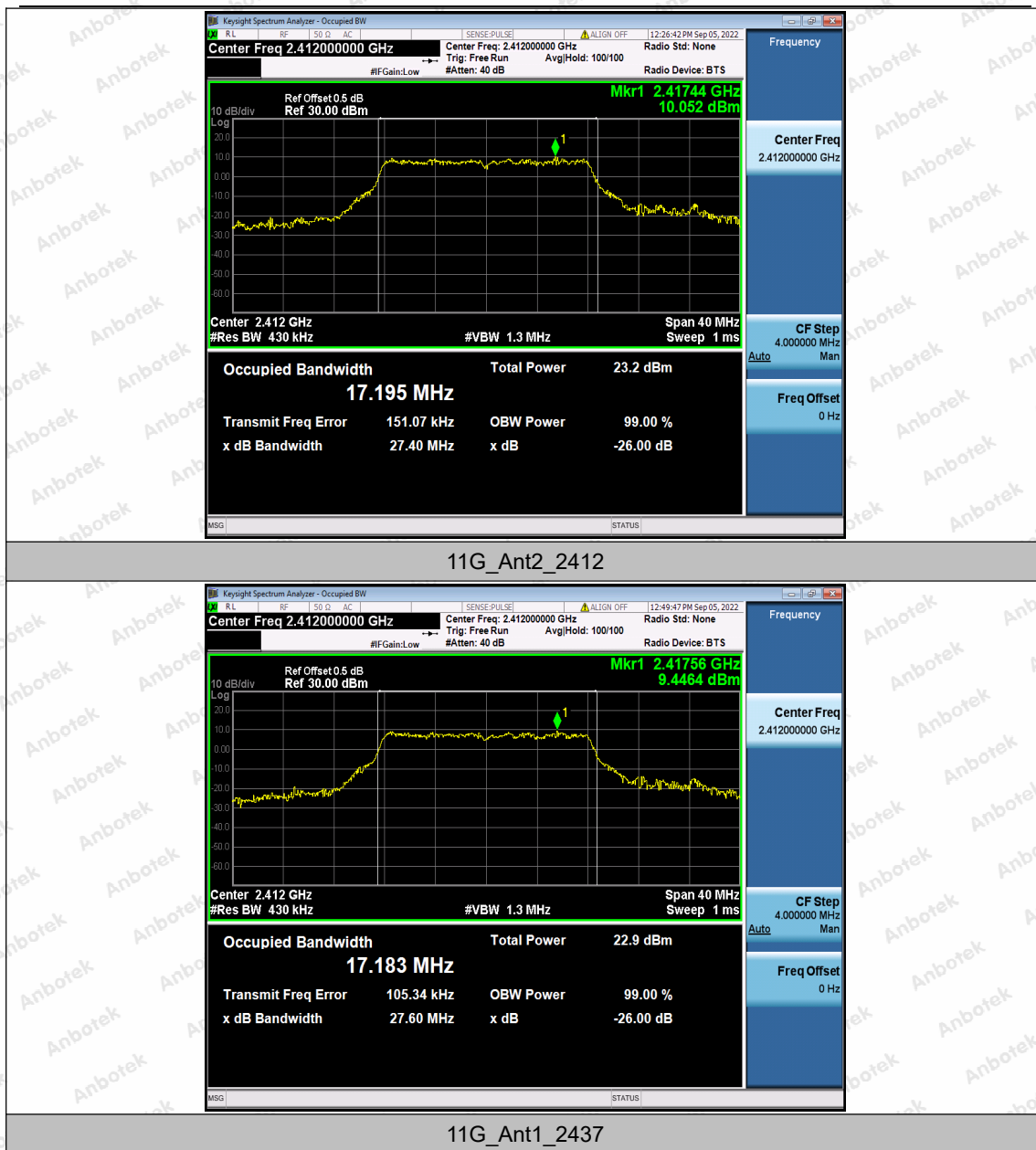
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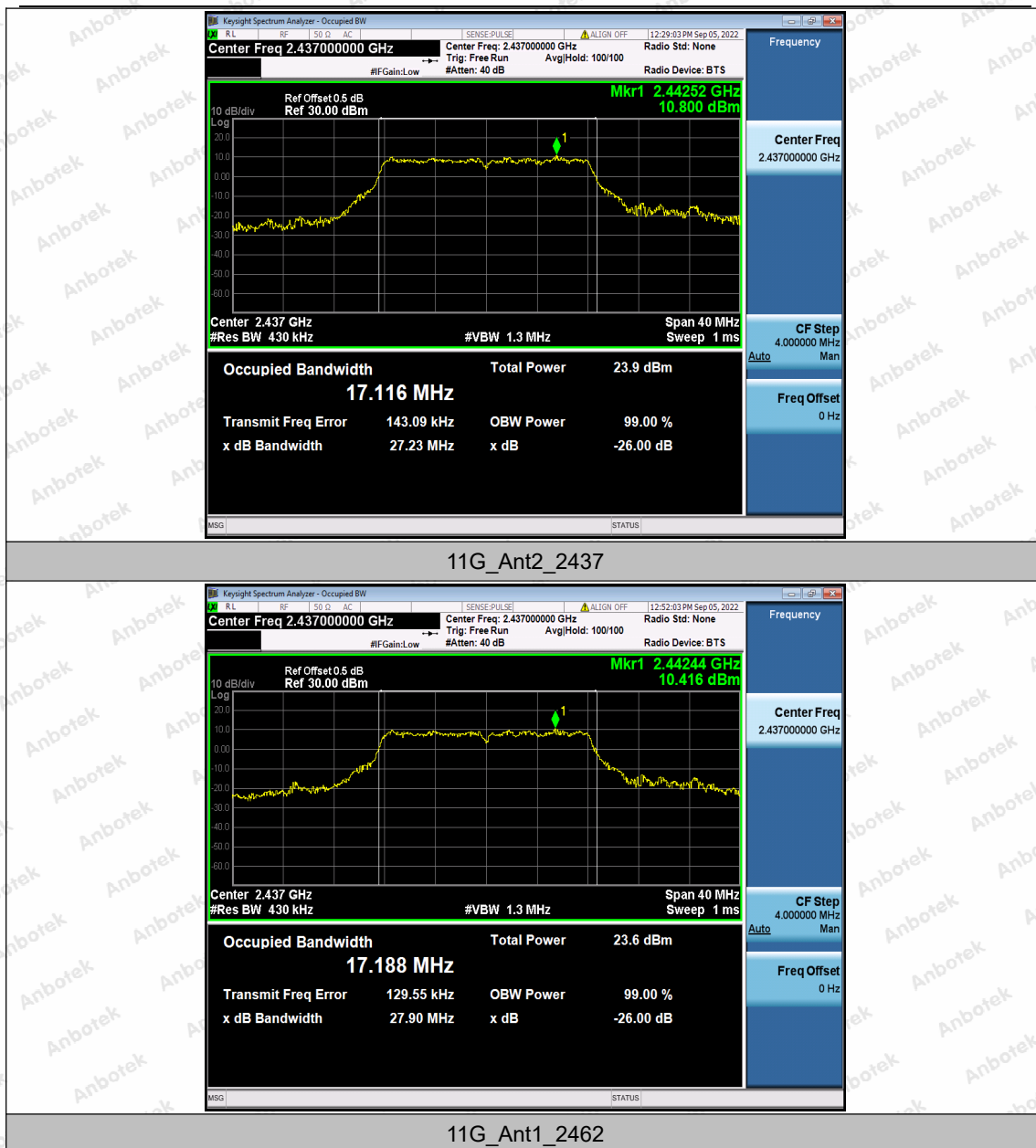
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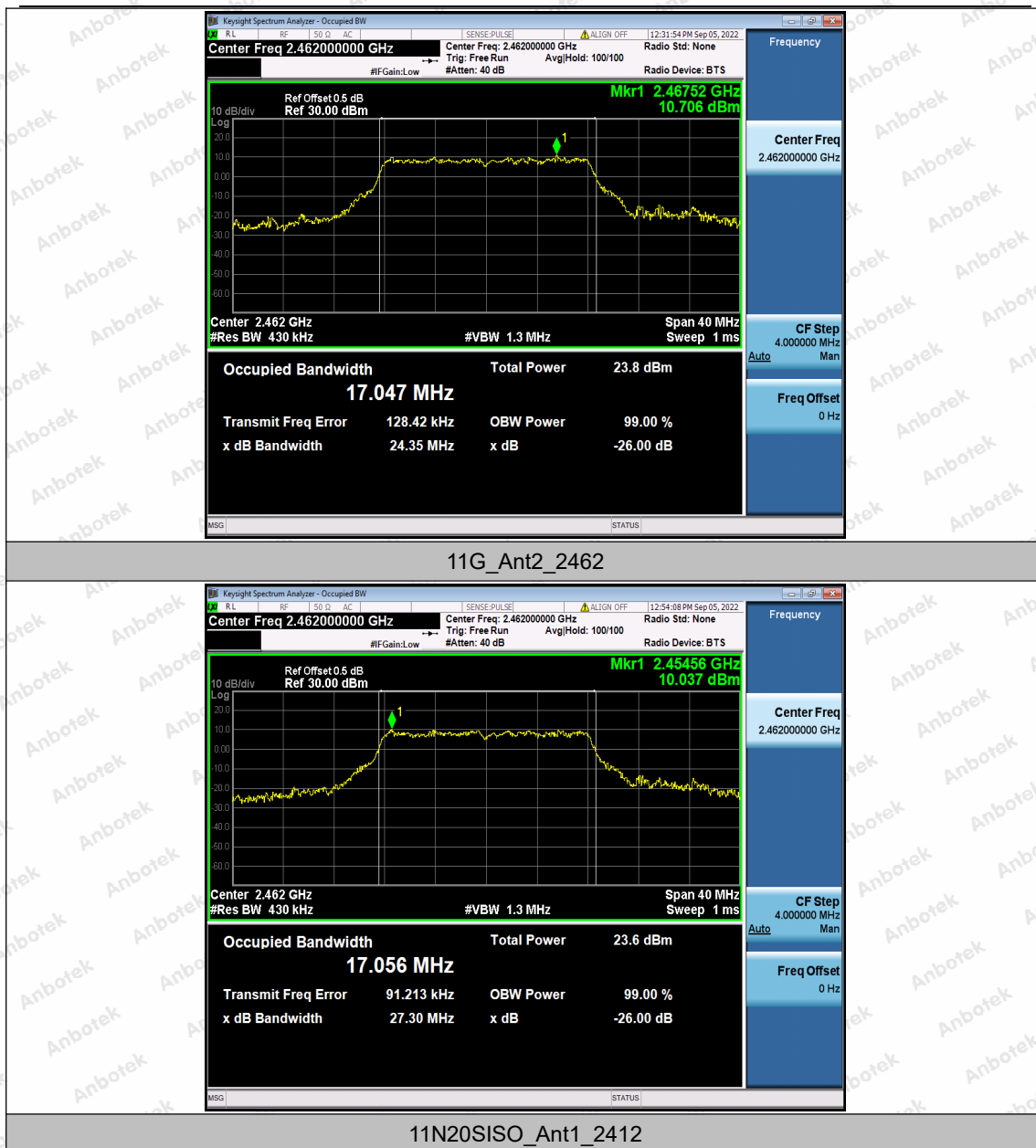
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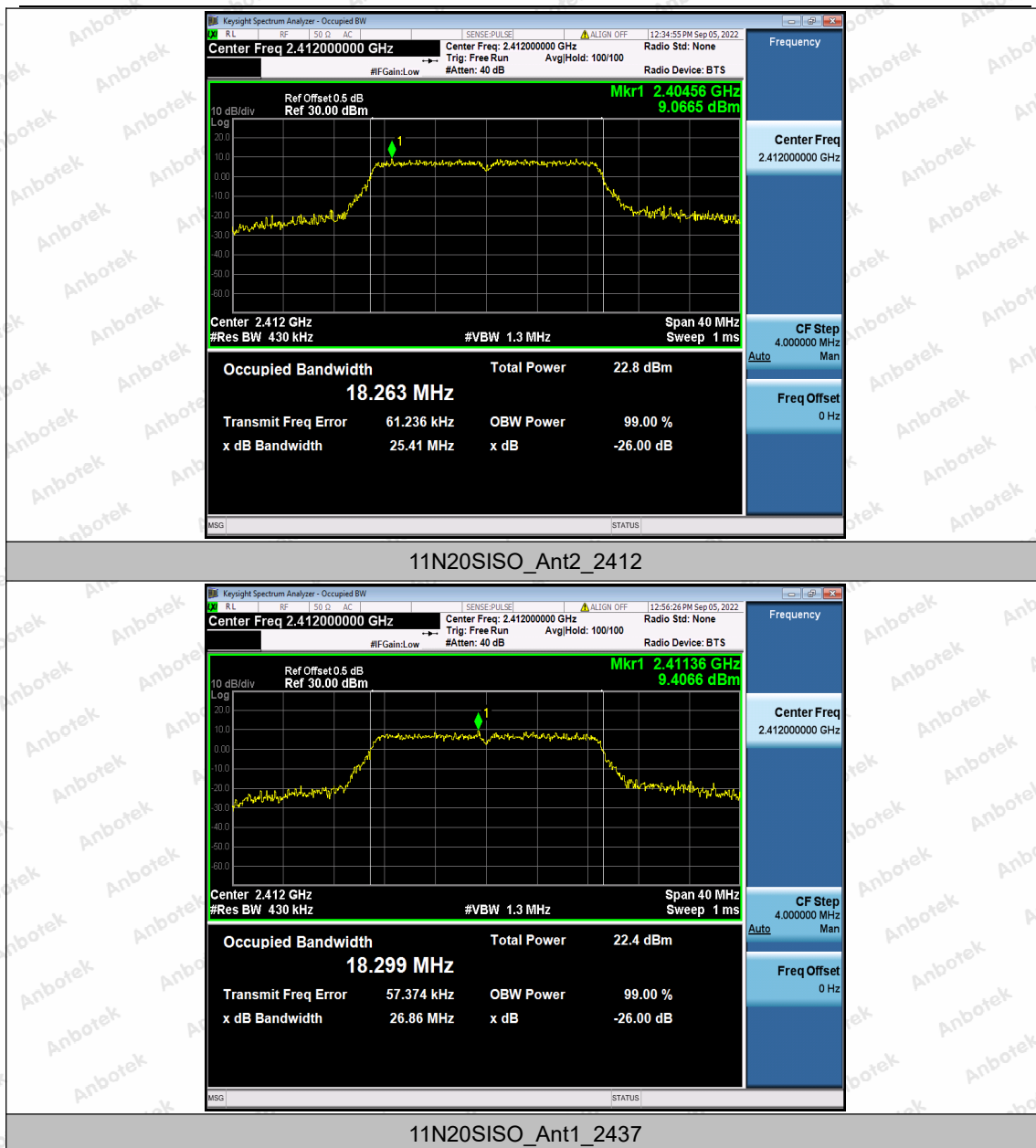
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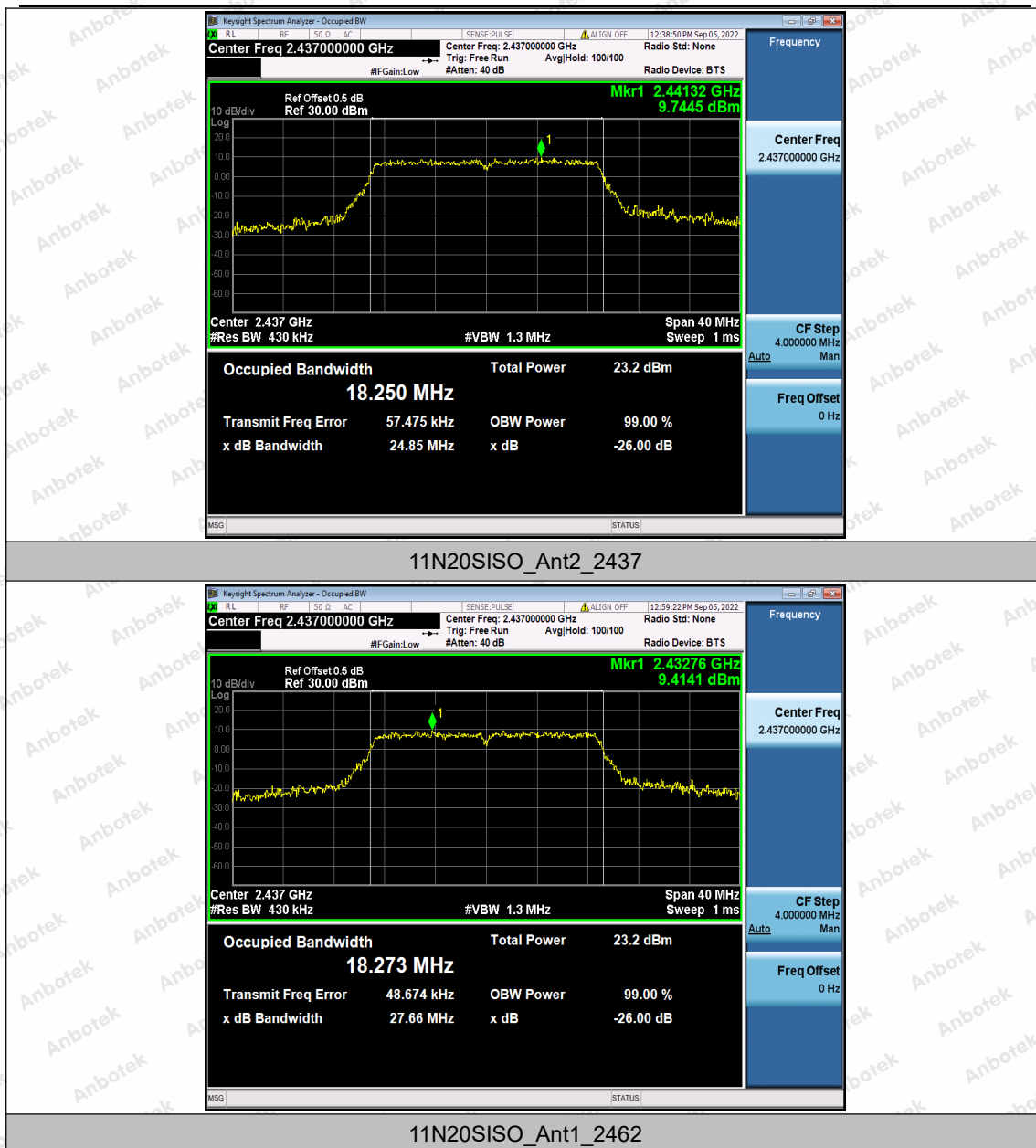
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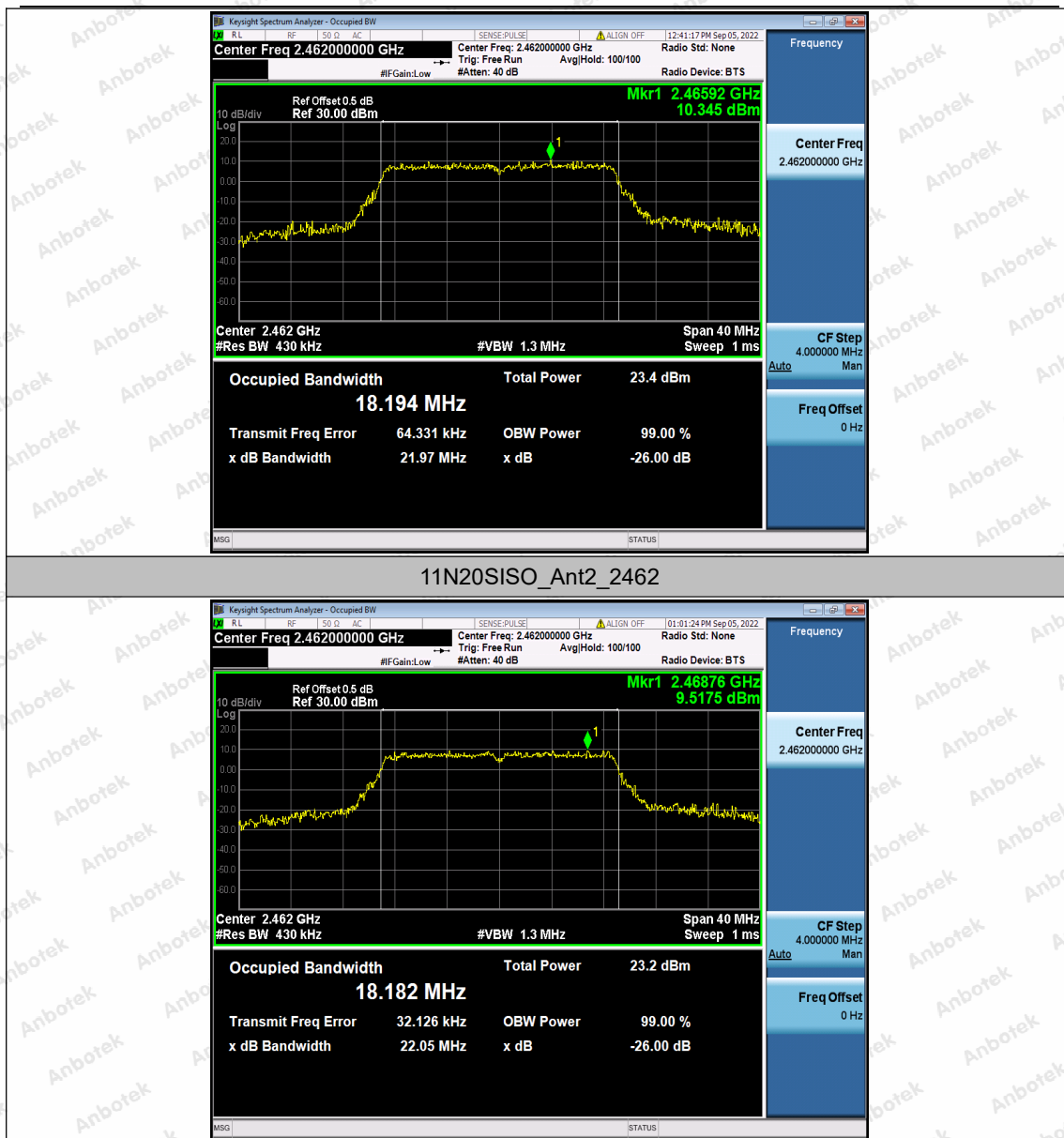
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	24.70	≤30.00	PASS
	Ant2	2412	22.86	≤30.00	PASS
	Ant1	2437	25.33	≤30.00	PASS
	Ant2	2437	24.07	≤30.00	PASS
	Ant1	2462	25.29	≤30.00	PASS
	Ant2	2462	23.84	≤30.00	PASS
11G	Ant1	2412	24.05	≤30.00	PASS
	Ant2	2412	23.73	≤30.00	PASS
	Ant1	2437	24.59	≤30.00	PASS
	Ant2	2437	24.42	≤30.00	PASS
	Ant1	2462	24.60	≤30.00	PASS
	Ant2	2462	24.48	≤30.00	PASS
11N20SISO	Ant1	2412	23.55	≤30.00	PASS
	Ant2	2412	23.07	≤30.00	PASS
	Ant1	2437	23.90	≤30.00	PASS
	Ant2	2437	23.89	≤30.00	PASS
	Ant1	2462	24.00	≤30.00	PASS
	Ant2	2462	23.86	≤30.00	PASS

MIMO:

Test Condition	TestMode	Channel	Result[dBm]	Limit[dBm]	Verdict
NTNV	11N20MIMO	2412	26.327	≤30	PASS
		2437	26.905	≤30	PASS
		2462	26.941	≤30	PASS



Appendix D: Maximum power spectral density

Test Result

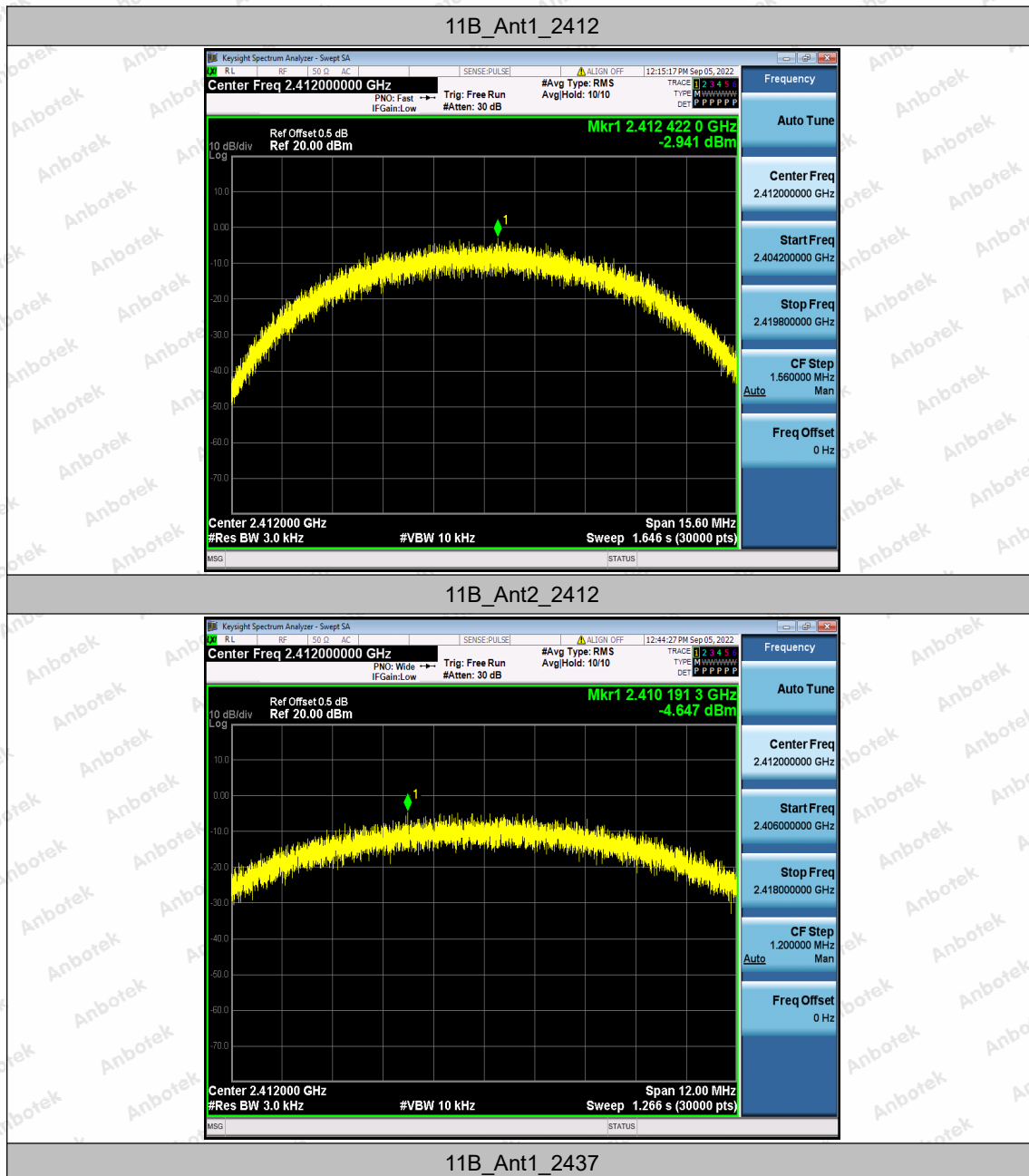
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-2.94	≤8.00	PASS
	Ant2	2412	-4.65	≤8.00	PASS
	Ant1	2437	-2.56	≤8.00	PASS
	Ant2	2437	-3.89	≤8.00	PASS
	Ant1	2462	-0.64	≤8.00	PASS
	Ant2	2462	-3.46	≤8.00	PASS
11G	Ant1	2412	-10.25	≤8.00	PASS
	Ant2	2412	-10.71	≤8.00	PASS
	Ant1	2437	-9.71	≤8.00	PASS
	Ant2	2437	-10.15	≤8.00	PASS
	Ant1	2462	-9.94	≤8.00	PASS
	Ant2	2462	-9.7	≤8.00	PASS
11N20SISO	Ant1	2412	-9.19	≤8.00	PASS
	Ant2	2412	-9.64	≤8.00	PASS
	Ant1	2437	-8.59	≤8.00	PASS
	Ant2	2437	-9.17	≤8.00	PASS
	Ant1	2462	-9.59	≤8.00	PASS
	Ant2	2462	-9.65	≤8.00	PASS

MIMO:

Test Condition	TestMode	Channel	Result [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
NTNV	11N20MIMO	2412	-6.399	≤8	PASS
		2437	-5.860	≤8	PASS
		2462	-6.610	≤8	PASS



Test Graphs



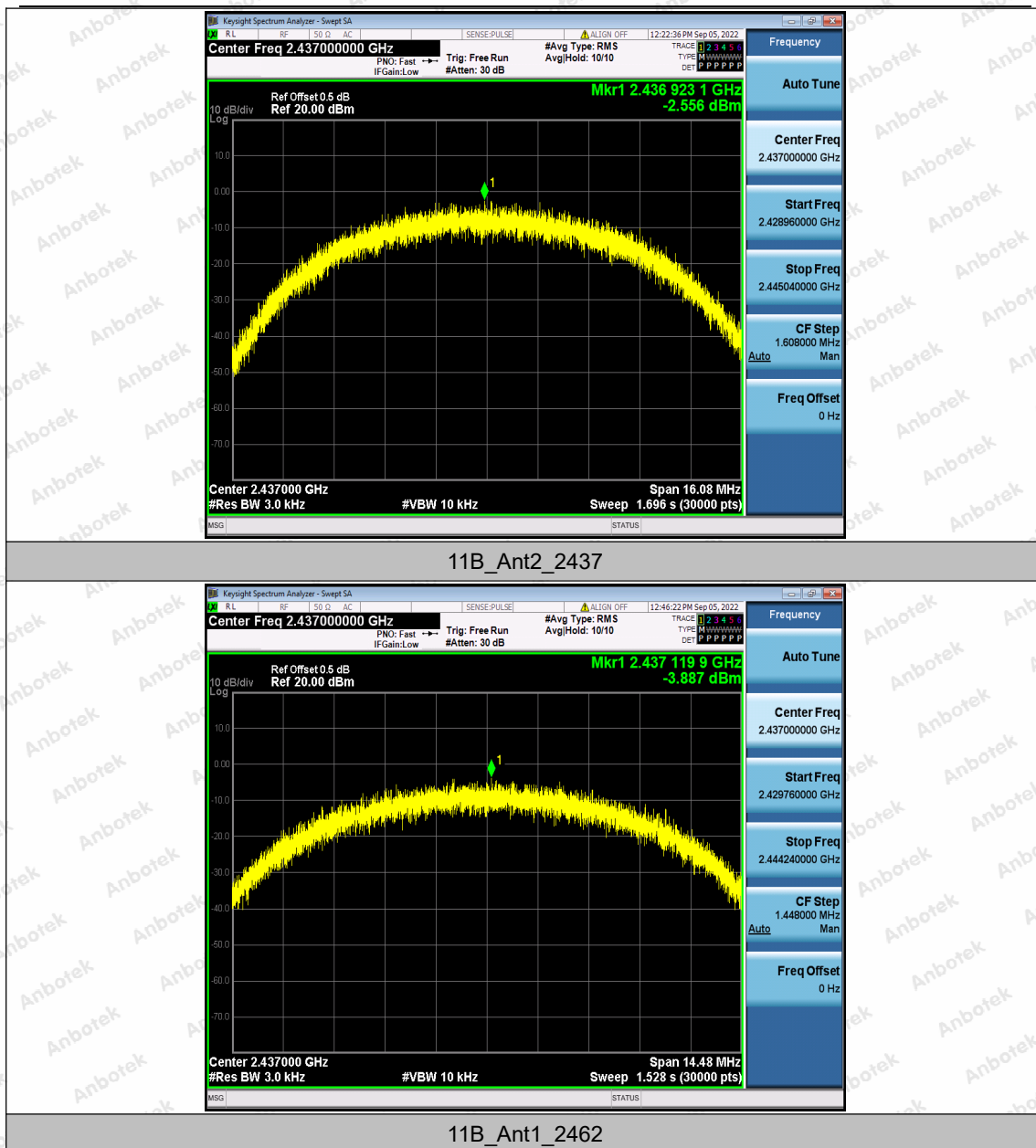
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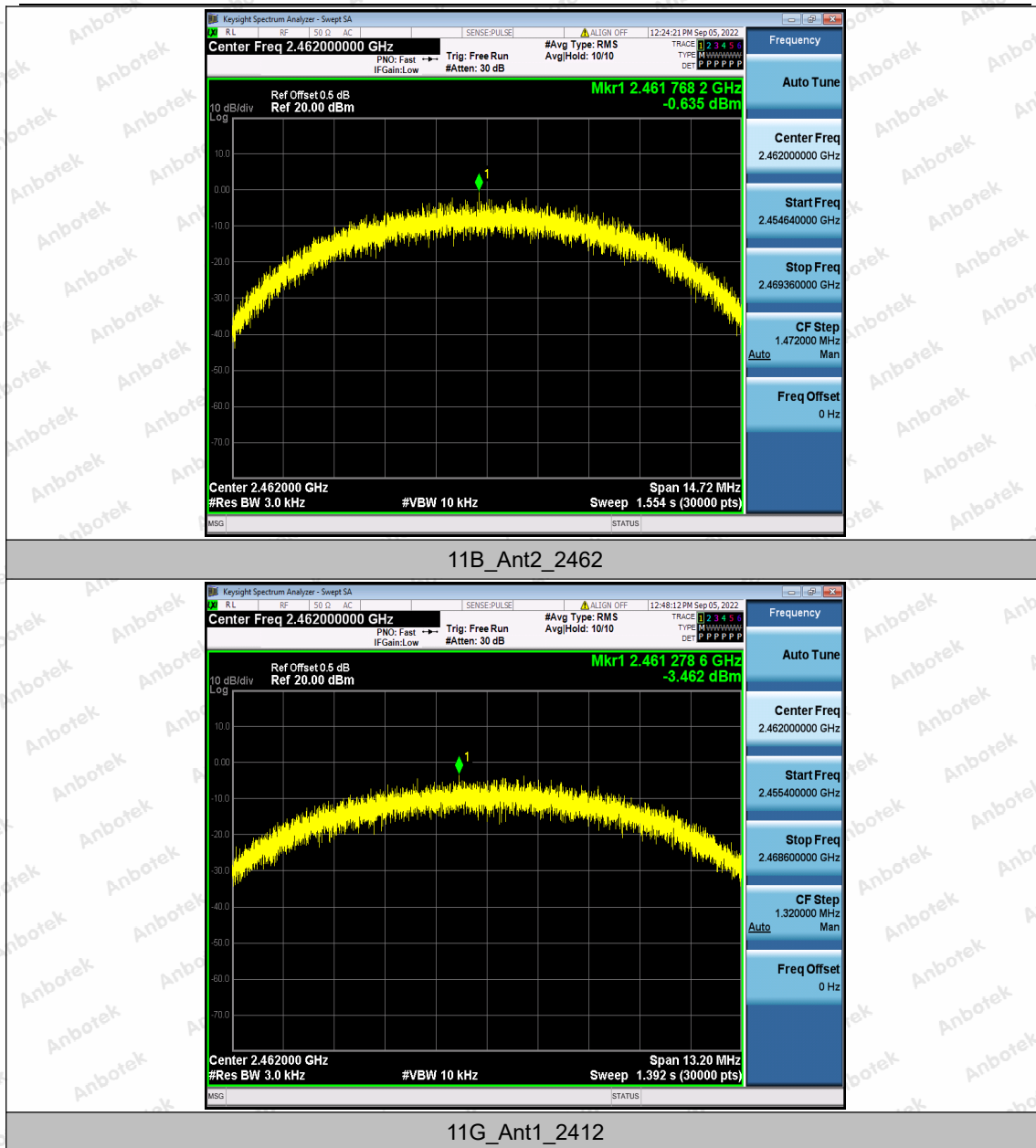
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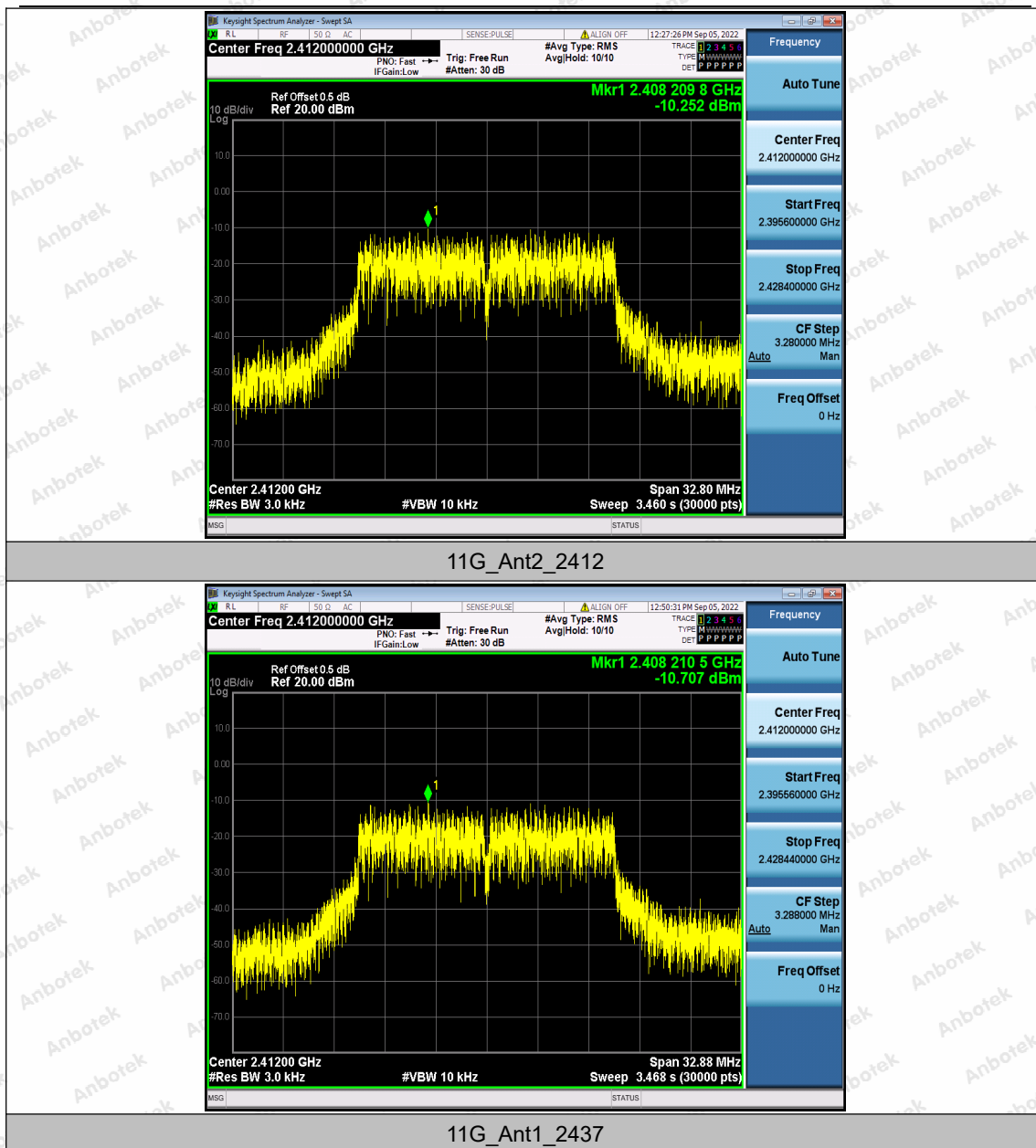
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