

Appendix Test Data

Report No:	18220WC20178901	Test Sample NO:	1-2-2
Start Test Date :	2022.8.8	Finish Test Date:	2022.8.23
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3C°	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	10.530	2407.110	2417.640	≥0.5	PASS
		2437	11.280	2431.270	2442.550	≥0.5	PASS
		2462	10.260	2456.960	2467.220	≥0.5	PASS
11g	Ant1	2412	16.380	2403.840	2420.220	≥0.5	PASS
		2437	16.410	2428.810	2445.220	≥0.5	PASS
		2462	16.470	2453.780	2470.250	≥0.5	PASS
11n20	Ant1	2412	17.700	2403.180	2420.880	≥0.5	PASS
		2437	17.370	2428.240	2445.610	≥0.5	PASS
		2462	17.640	2453.210	2470.850	≥0.5	PASS

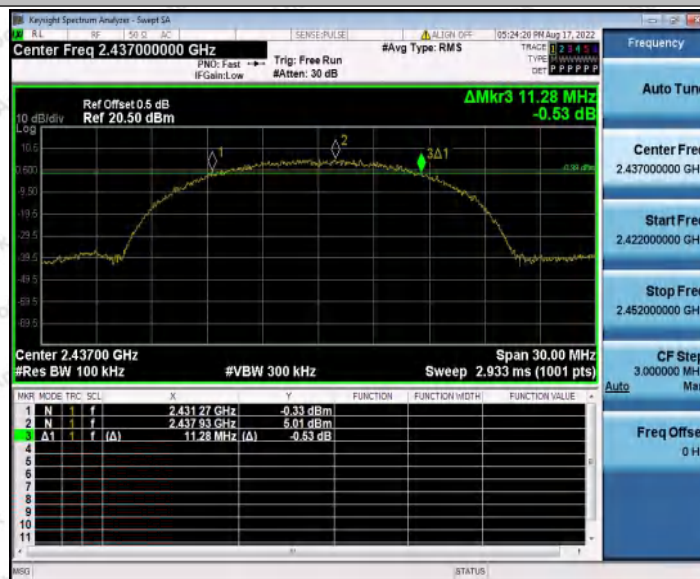


Test Graphs

11b_Ant1_2412



11b_Ant1_2437



11b_Ant1_2462

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11g_Ant1_2412

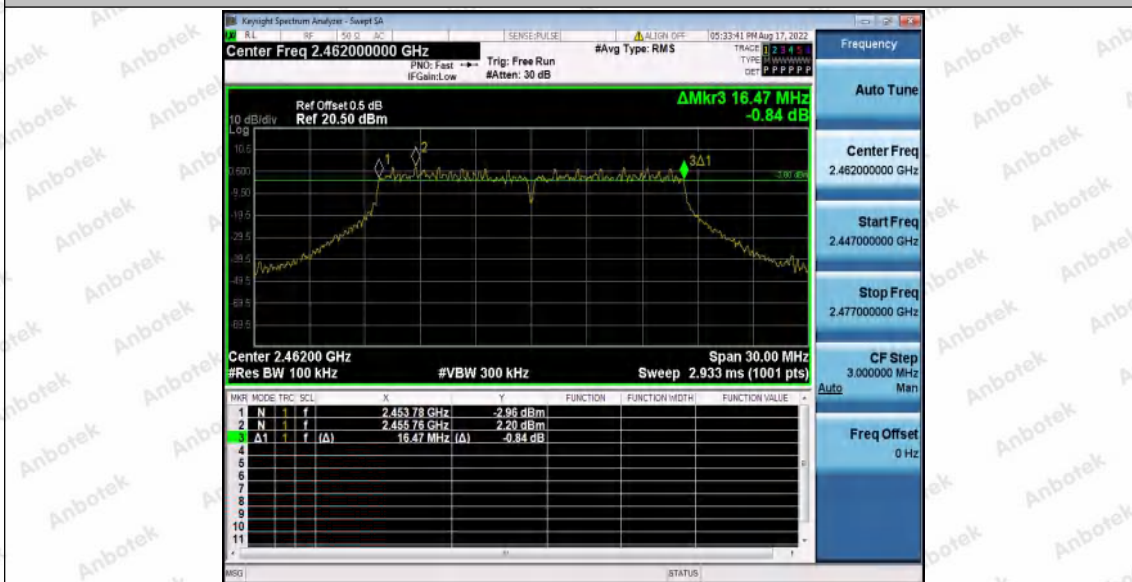


11g_Ant1_2437





11g_Ant1_2462

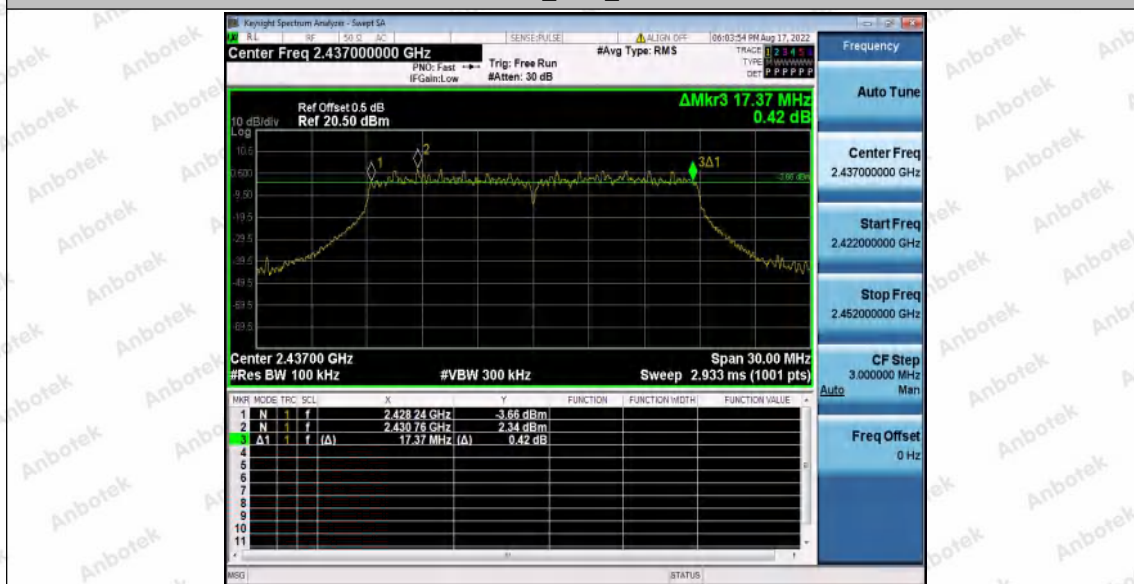


11n20_Ant1_2412



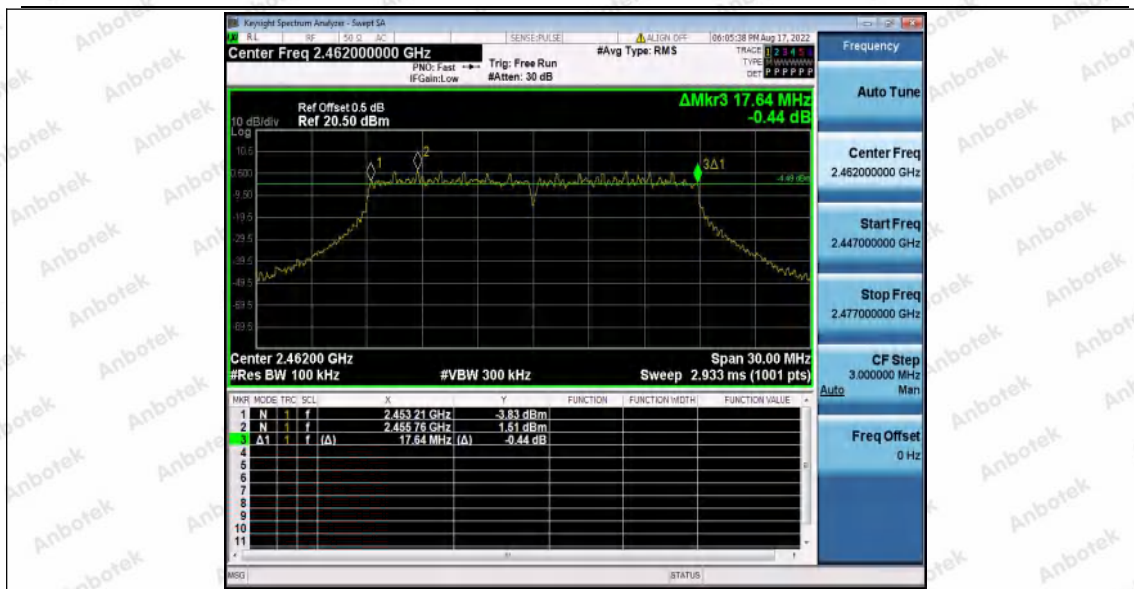


11n20_Ant1_2437



11n20_Ant1_2462



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Appendix B: Occupied Channel Bandwidth

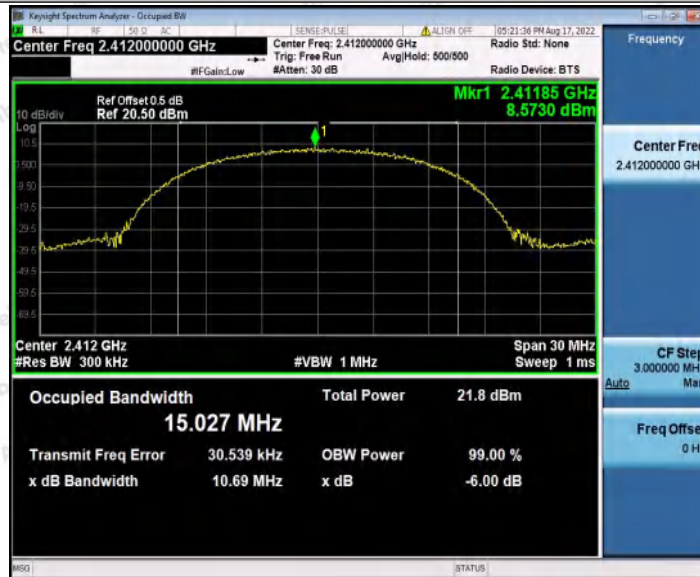
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11b	Ant1	2412	15.027	2404.5170	2419.5440	---	---
		2437	14.981	2429.5238	2444.5048	---	---
		2462	14.981	2454.4940	2469.4750	---	---
11g	Ant1	2412	16.670	2403.7040	2420.3740	---	---
		2437	16.736	2428.6892	2445.4252	---	---
		2462	16.661	2453.7175	2470.3785	---	---
11n20	Ant1	2412	17.863	2403.1170	2420.9800	---	---
		2437	17.780	2428.1372	2445.9172	---	---
		2462	17.817	2453.1213	2470.9383	---	---



Test Graphs

11b_Ant1_2412



11b_Ant1_2437



11b_Ant1_2462

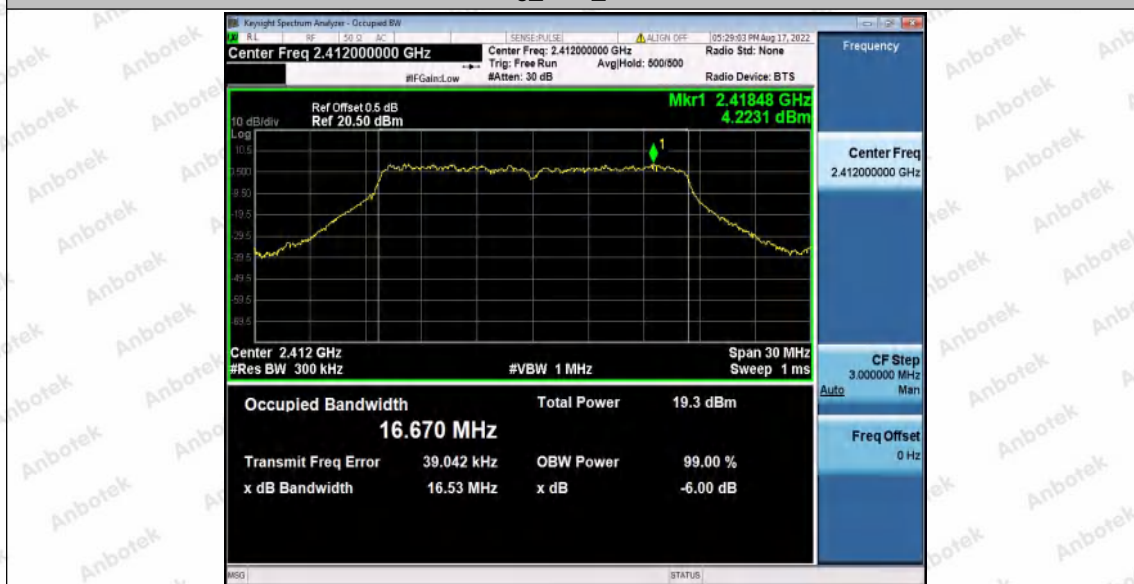
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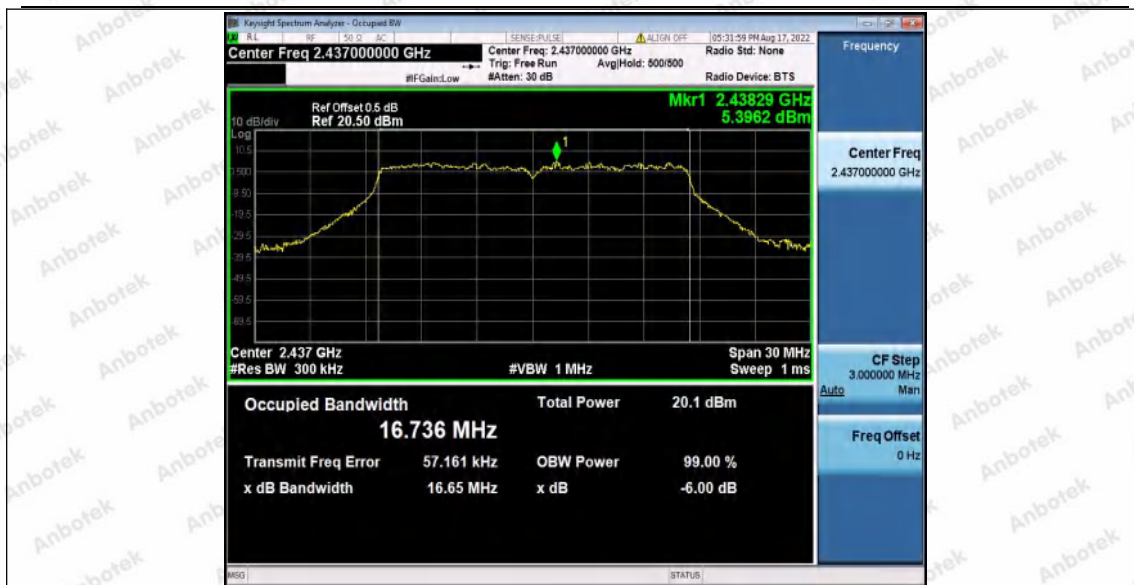
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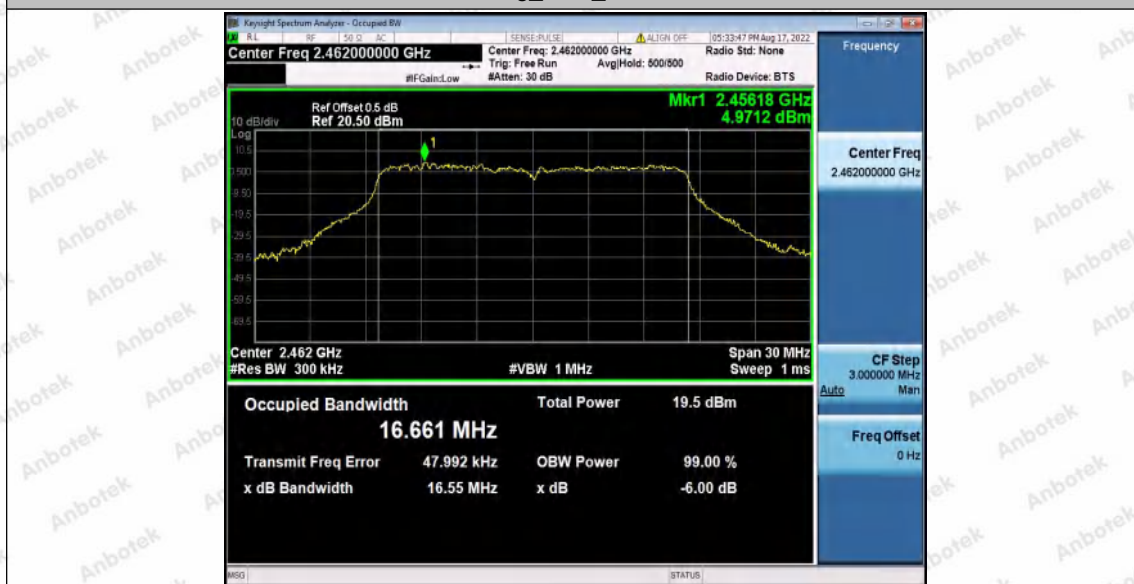


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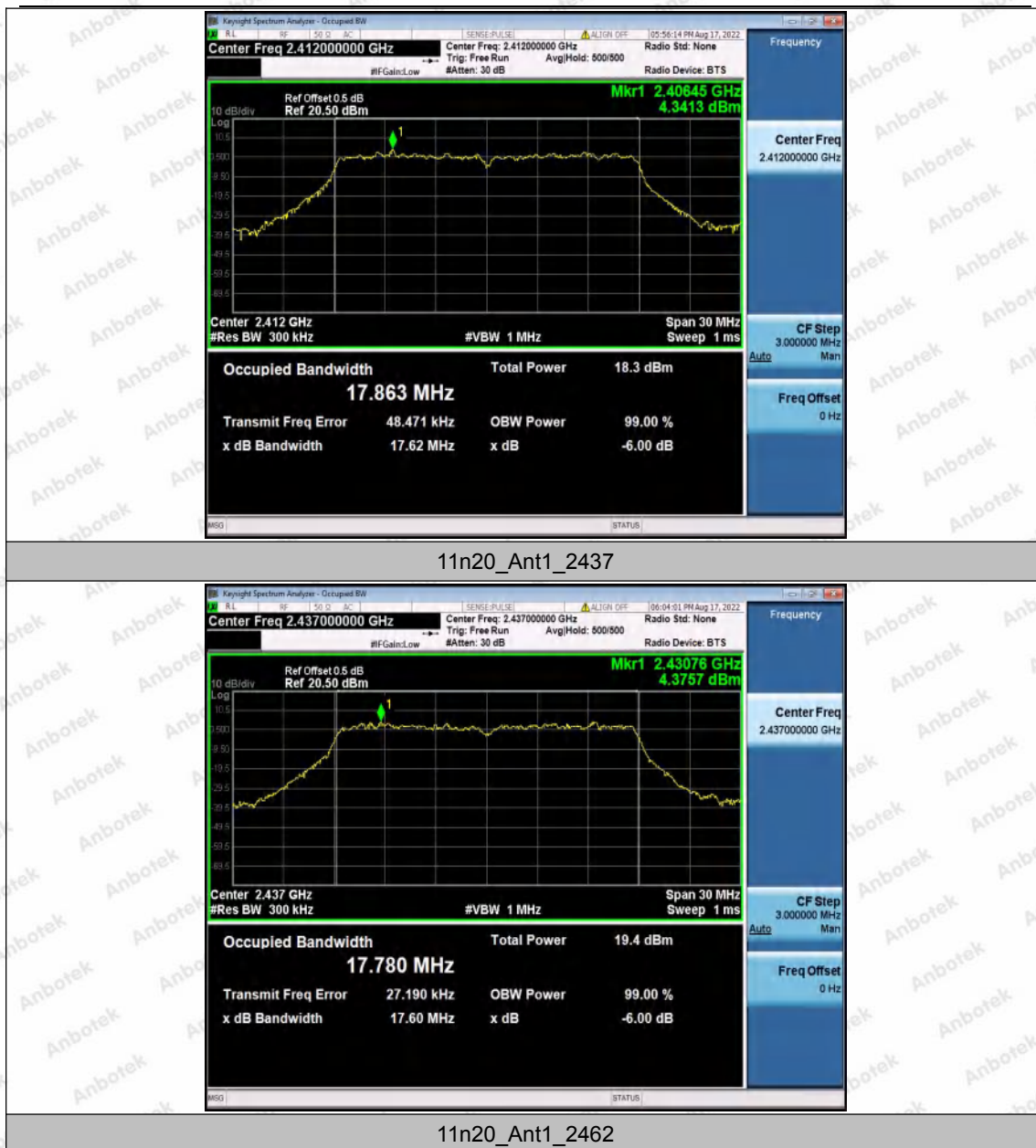


11g_Ant1_2462



11n20_Ant1_2412





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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequen cy[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11b	Ant1	2412	---	20.74	≤30	PASS
		2437	---	21.18	≤30	PASS
		2462	---	20.55	≤30	PASS
11g	Ant1	2412	---	20.25	≤30	PASS
		2437	---	21.02	≤30	PASS
		2462	---	20.32	≤30	PASS
11n20	Ant1	2412	---	19.27	≤30	PASS
		2437	---	20.21	≤30	PASS
		2462	---	19.77	≤30	PASS



Appendix D: Maximum power spectral density

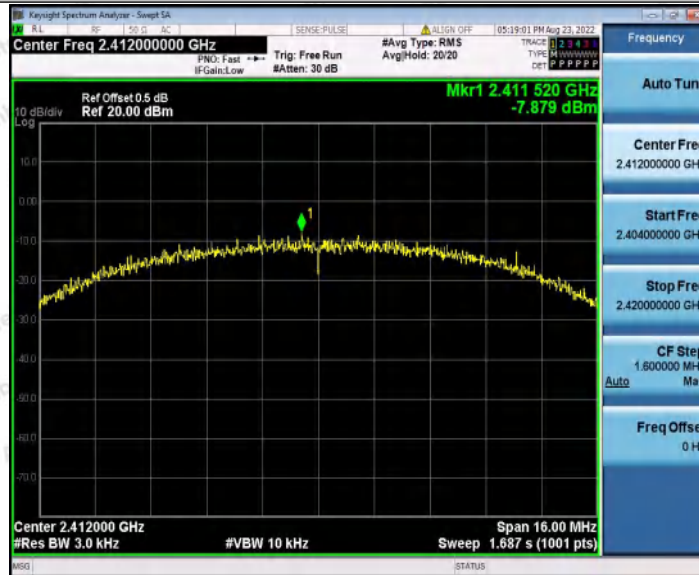
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11b	Ant1	2412	-7.88	≤8	PASS
		2437	-8.01	≤8	PASS
		2462	-8.73	≤8	PASS
11g	Ant1	2412	-11.42	≤8	PASS
		2437	-11.86	≤8	PASS
		2462	-13.22	≤8	PASS
11n20	Ant1	2412	-14.23	≤8	PASS
		2437	-12.81	≤8	PASS
		2462	-13.54	≤8	PASS



Test Graphs

11b_Ant1_2412



11b_Ant1_2437



11b_Ant1_2462

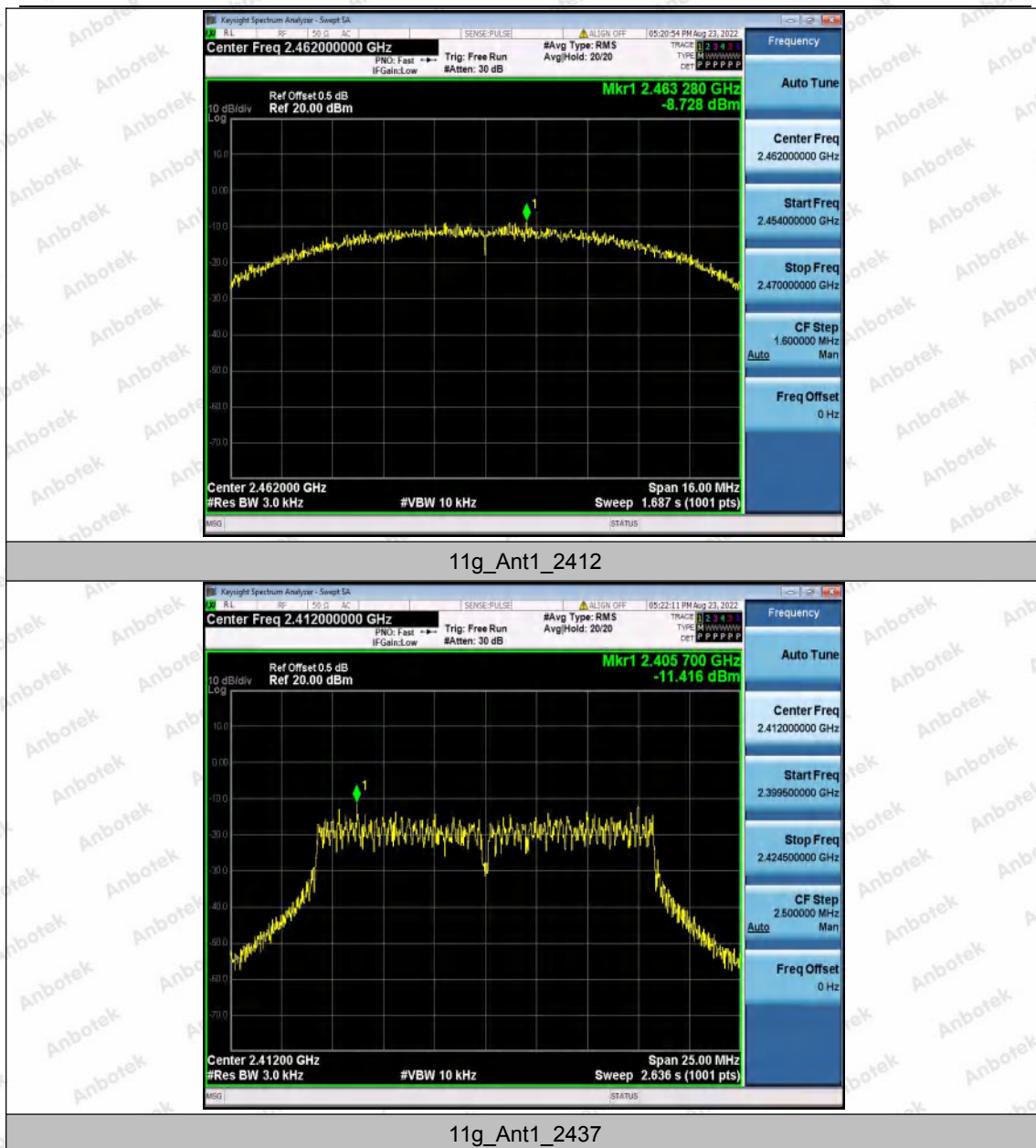
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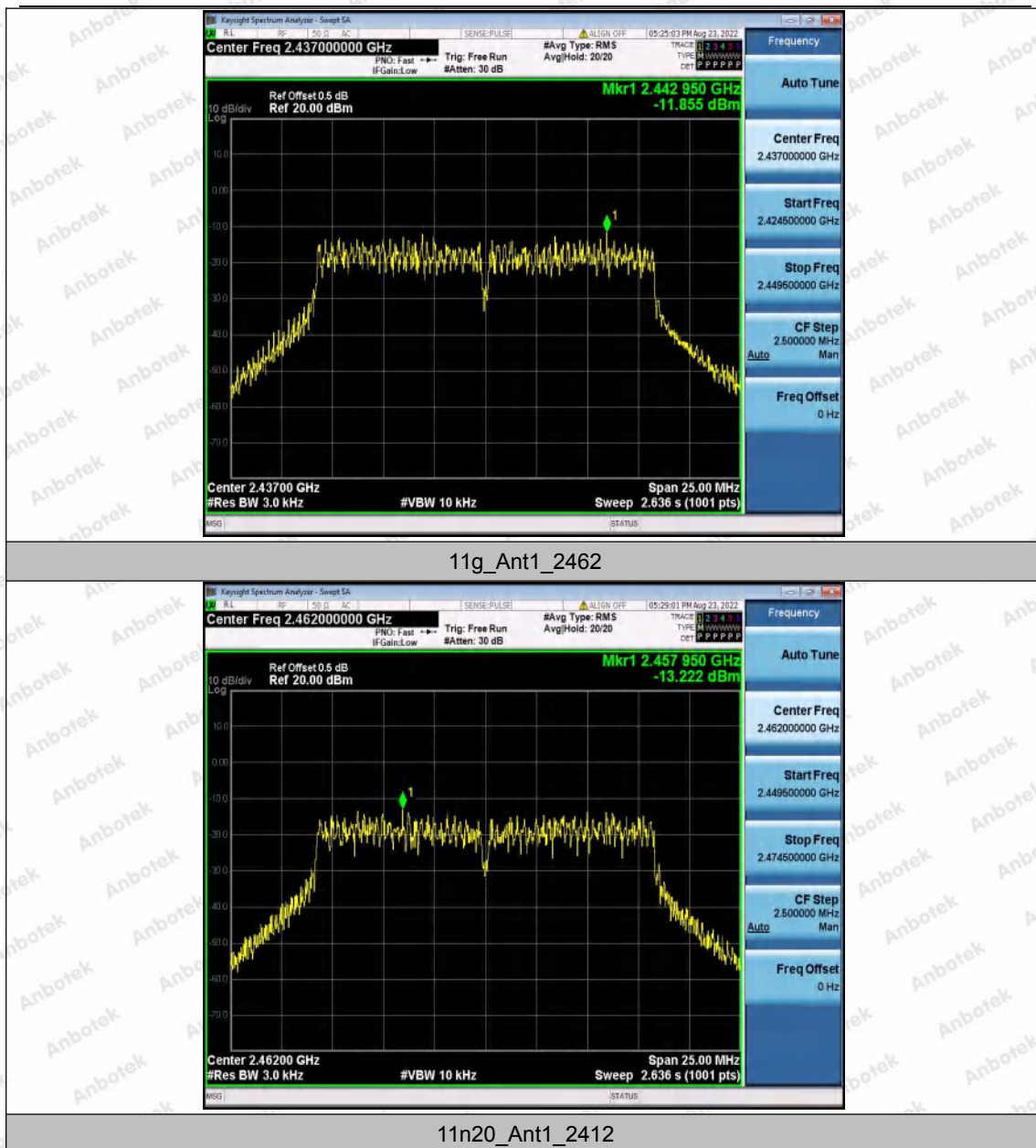
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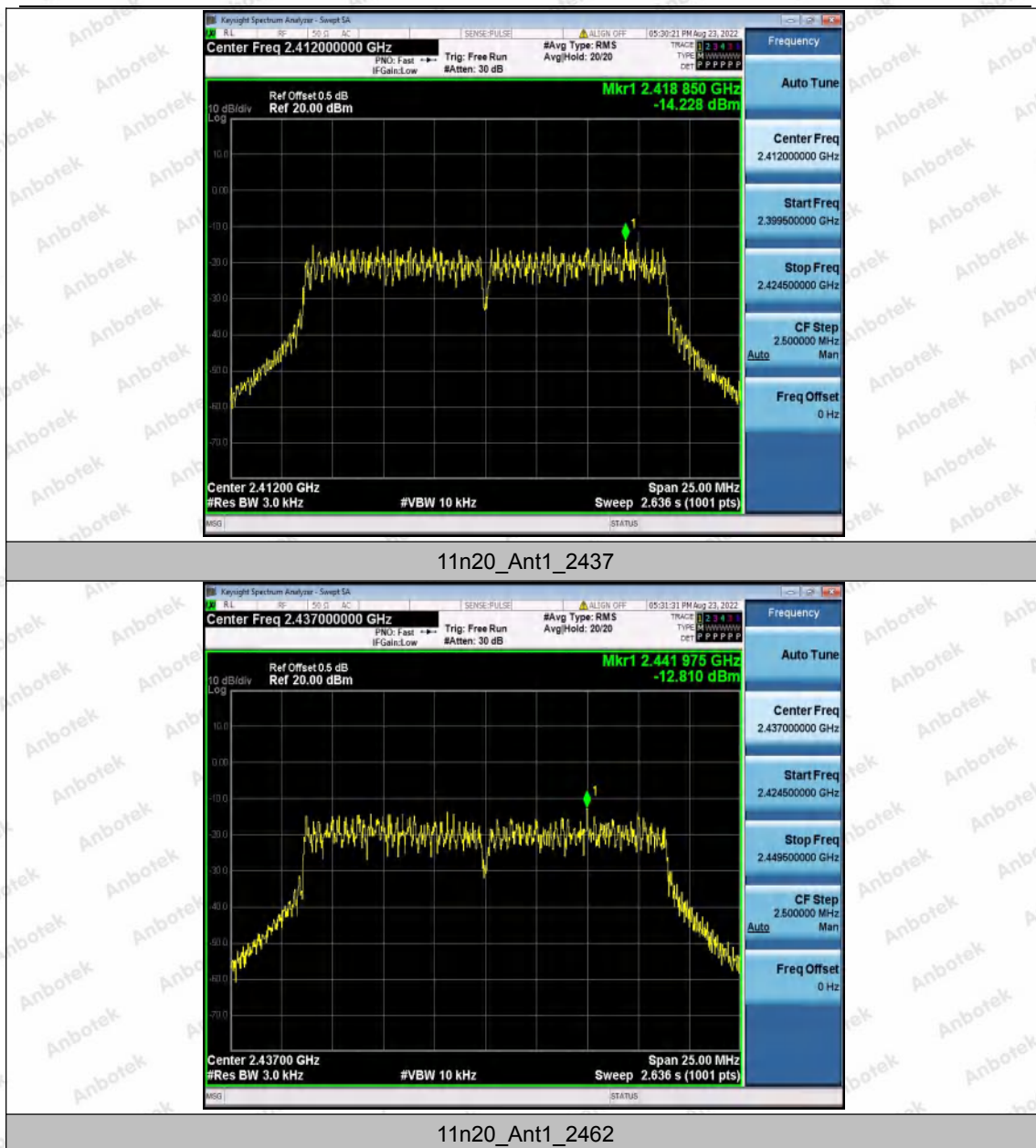
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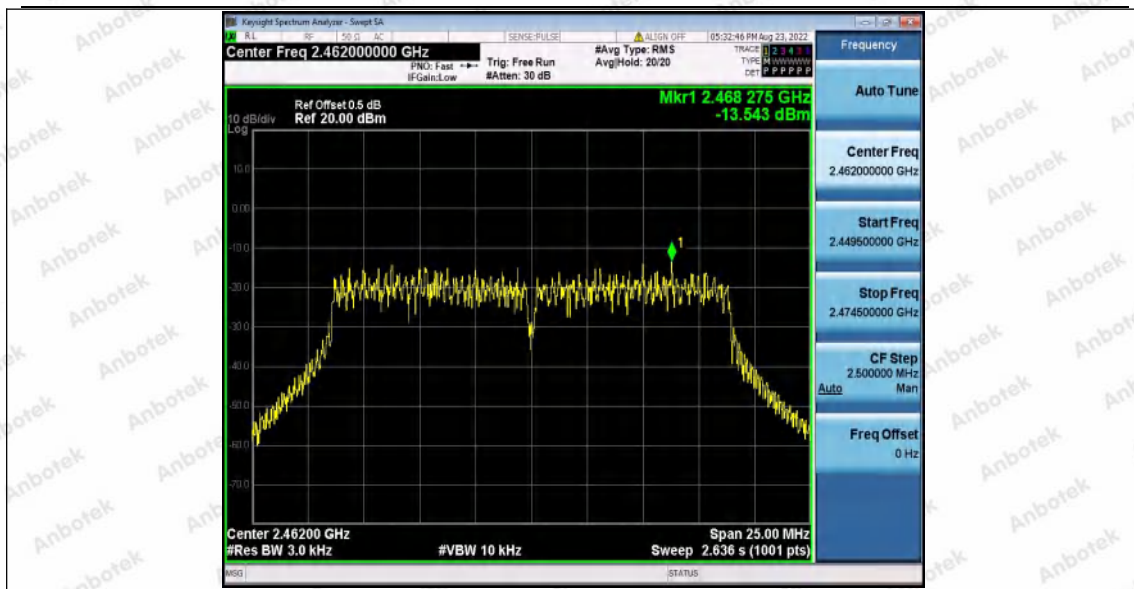
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Appendix F: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11b	Ant1	Low	2412	4.80	-37.19	≤-15.2	PASS
		High	2462	5.12	-47.66	≤-14.88	PASS
11g	Ant1	Low	2412	1.94	-36.36	≤-18.06	PASS
		High	2462	2.58	-46.94	≤-17.42	PASS
11n20	Ant1	Low	2412	1.07	-36.26	≤-18.93	PASS
		High	2462	1.44	-48.67	≤-18.56	PASS



Test Graphs

11b_Ant1_Low_2412



11b_Ant1_High_2462



11g_Ant1_Low_2412

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11g_Ant1_High_2462



11n20_Ant1_Low_2412

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11n20_Ant1_High_2462



Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11b	Ant1	2412	Reference	5.00	5.00	---	PASS
			30~1000	5.00	-68.85	≤-15	PASS
			1000~26500	5.00	-53.84	≤-15	PASS
		2437	Reference	5.81	5.81	---	PASS
			30~1000	5.81	-68.75	≤-14.19	PASS
			1000~26500	5.81	-54.2	≤-14.19	PASS
		2462	Reference	5.76	5.76	---	PASS
			30~1000	5.76	-69.64	≤-14.24	PASS
			1000~26500	5.76	-53.56	≤-14.24	PASS
11g	Ant1	2412	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-69	≤-17.92	PASS
			1000~26500	2.08	-54.41	≤-17.92	PASS
		2437	Reference	3.26	3.26	---	PASS
			30~1000	3.26	-68.01	≤-16.74	PASS
			1000~26500	3.26	-54.18	≤-16.74	PASS
		2462	Reference	2.31	2.31	---	PASS
			30~1000	2.31	-69.32	≤-17.69	PASS
			1000~26500	2.31	-53.69	≤-17.69	PASS
11n20	Ant1	2412	Reference	1.12	1.12	---	PASS
			30~1000	1.12	-69.09	≤-18.88	PASS
			1000~26500	1.12	-53.77	≤-18.88	PASS
		2437	Reference	2.29	2.29	---	PASS
			30~1000	2.29	-67.89	≤-17.71	PASS
			1000~26500	2.29	-53.74	≤-17.71	PASS
		2462	Reference	1.31	1.31	---	PASS
			30~1000	1.31	-68.44	≤-18.69	PASS
			1000~26500	1.31	-53.36	≤-18.69	PASS

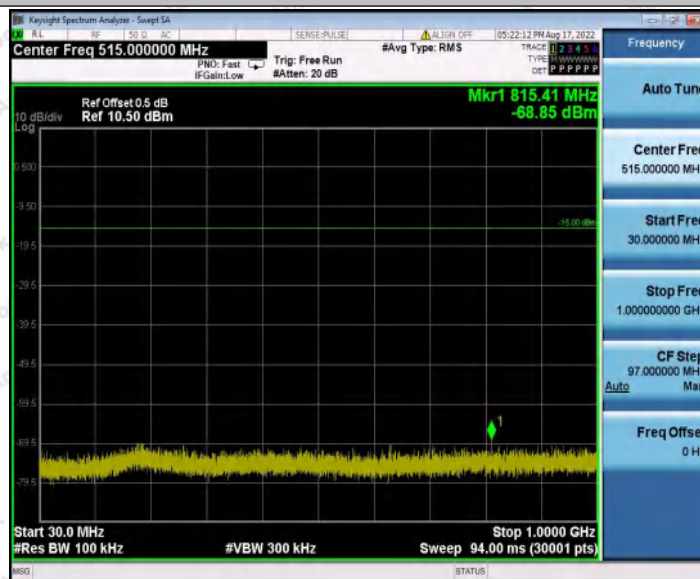


Test Graphs

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11b_Ant1_2412_30~1000



11b_Ant1_2412_1000~26500

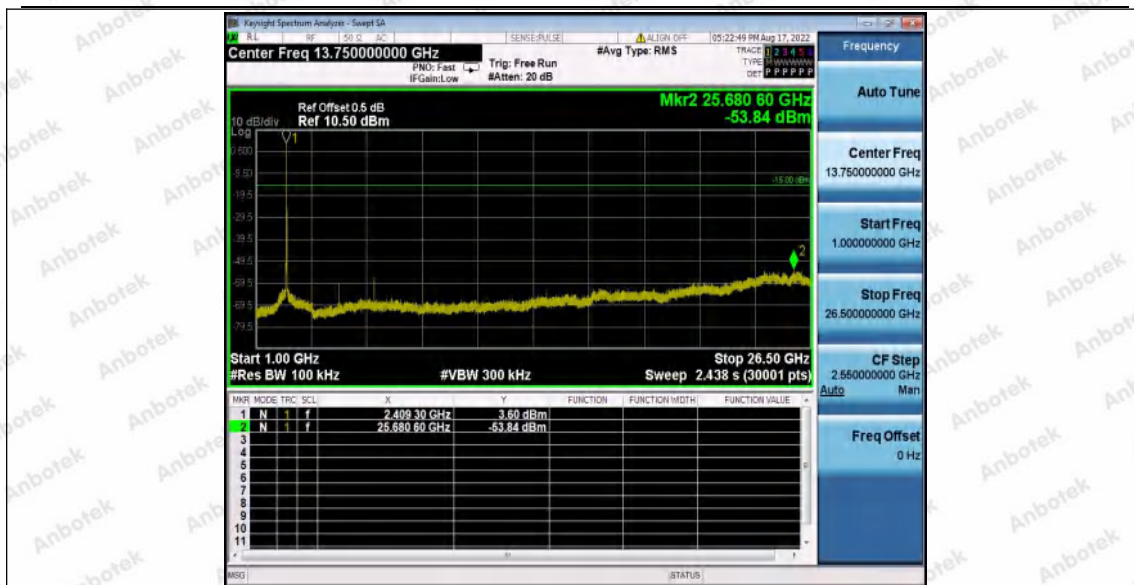
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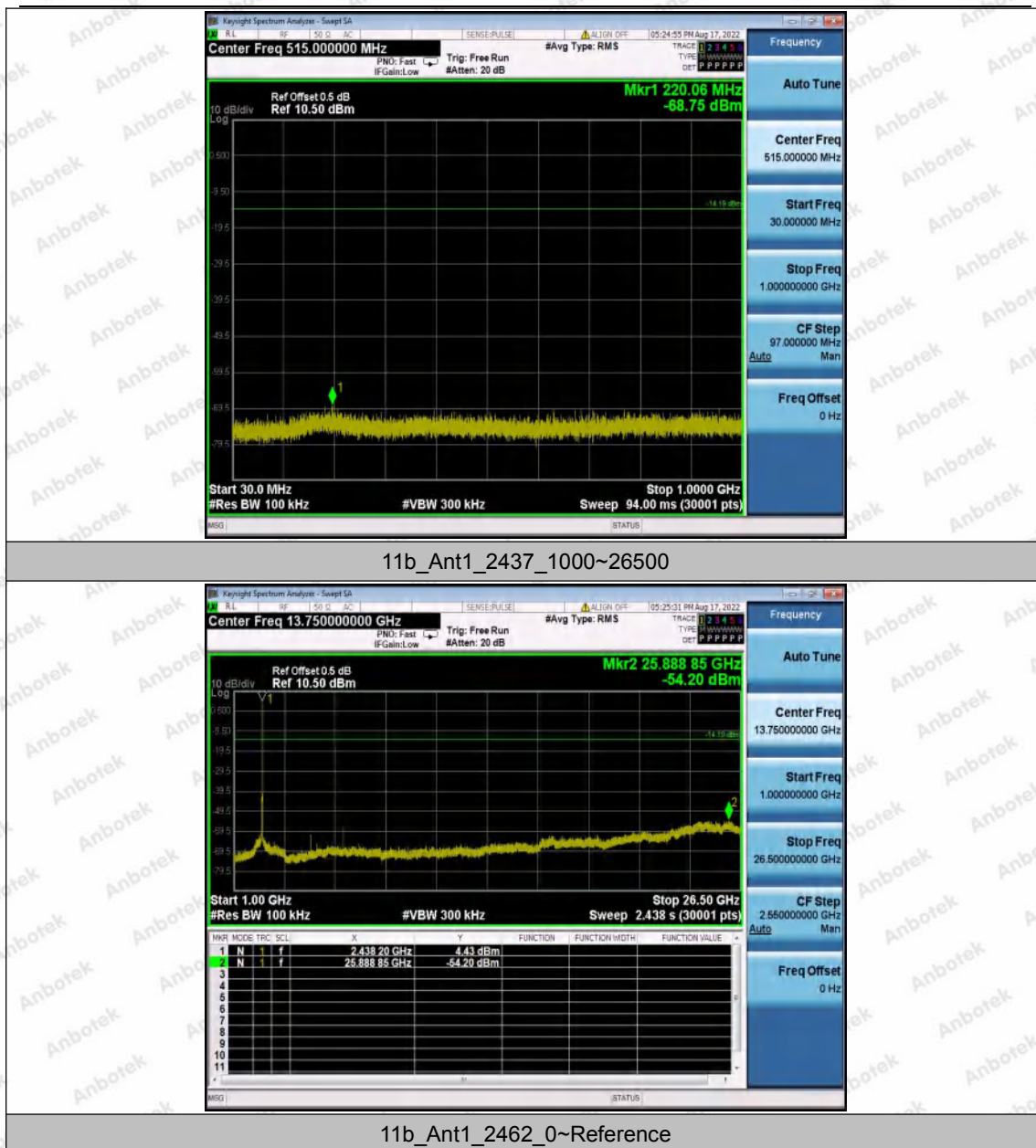


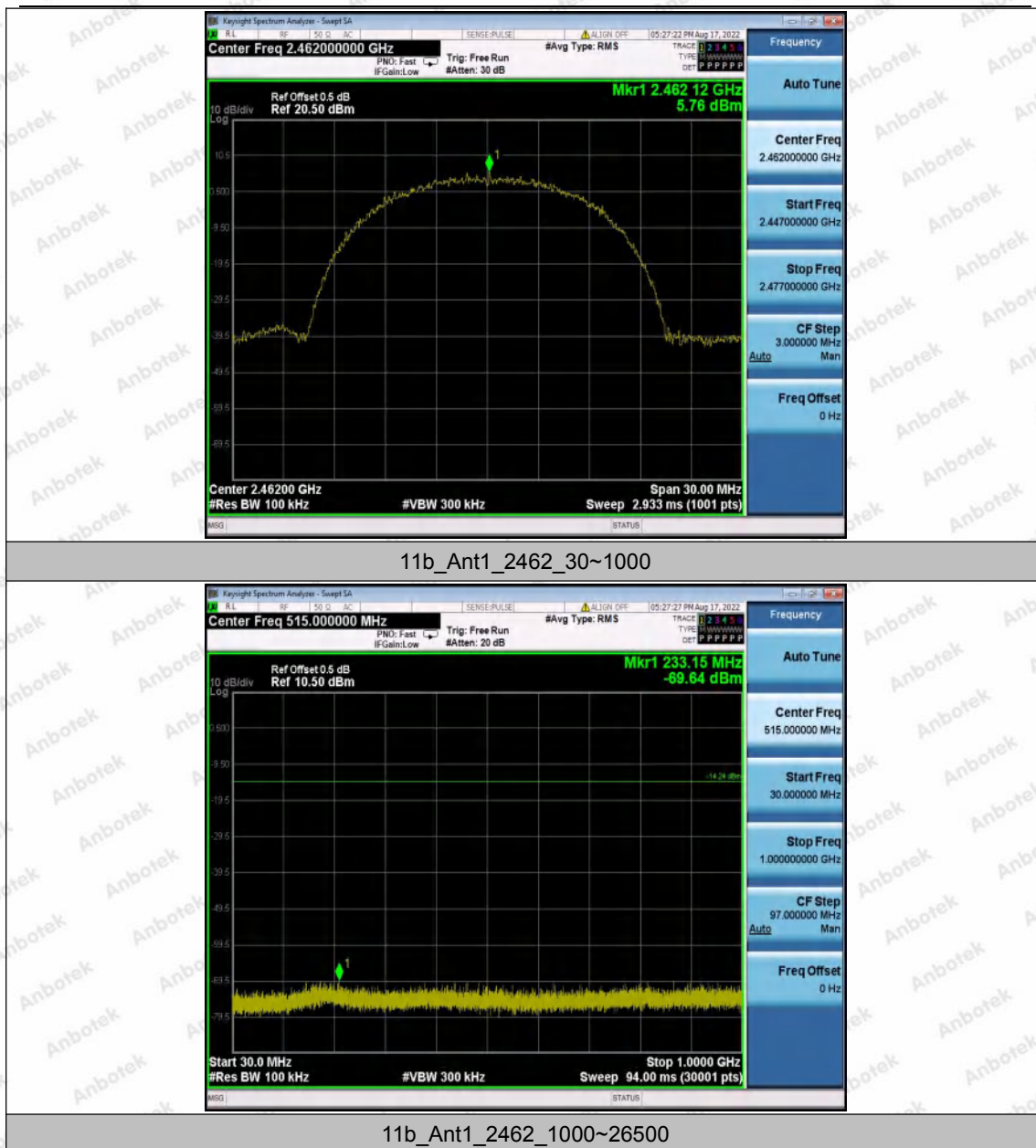
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11b_Ant1_2437_30~1000







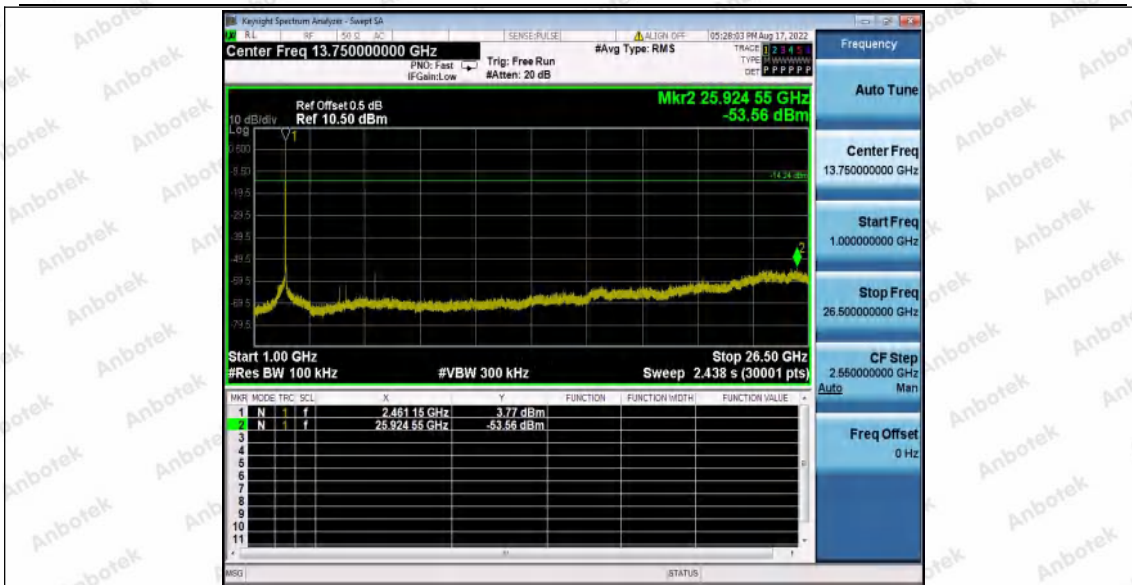
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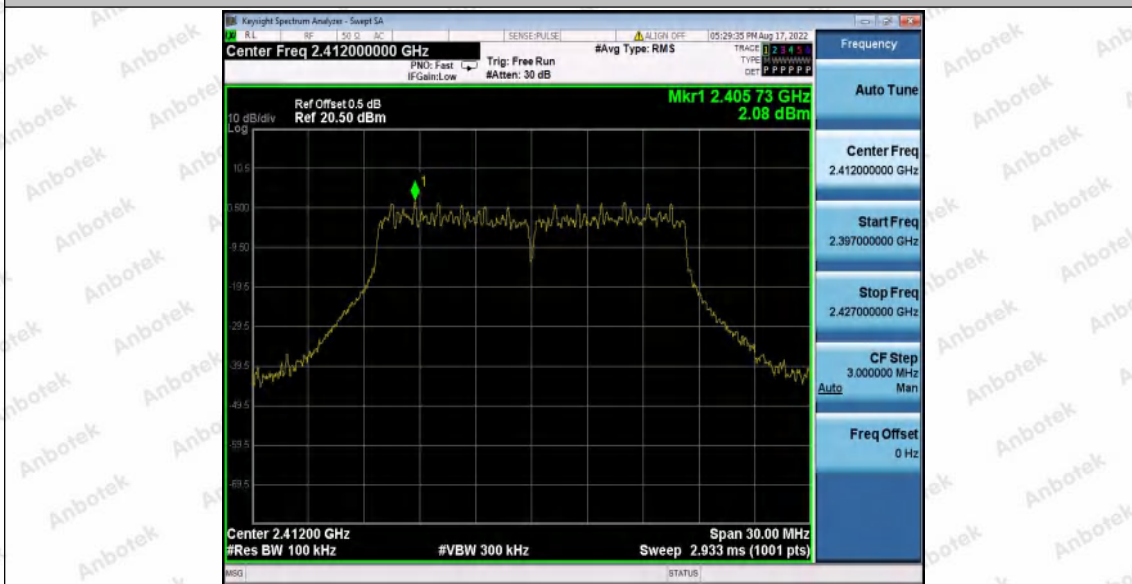


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11g_Ant1_2412_0~Reference



11g_Ant1_2412_30~1000

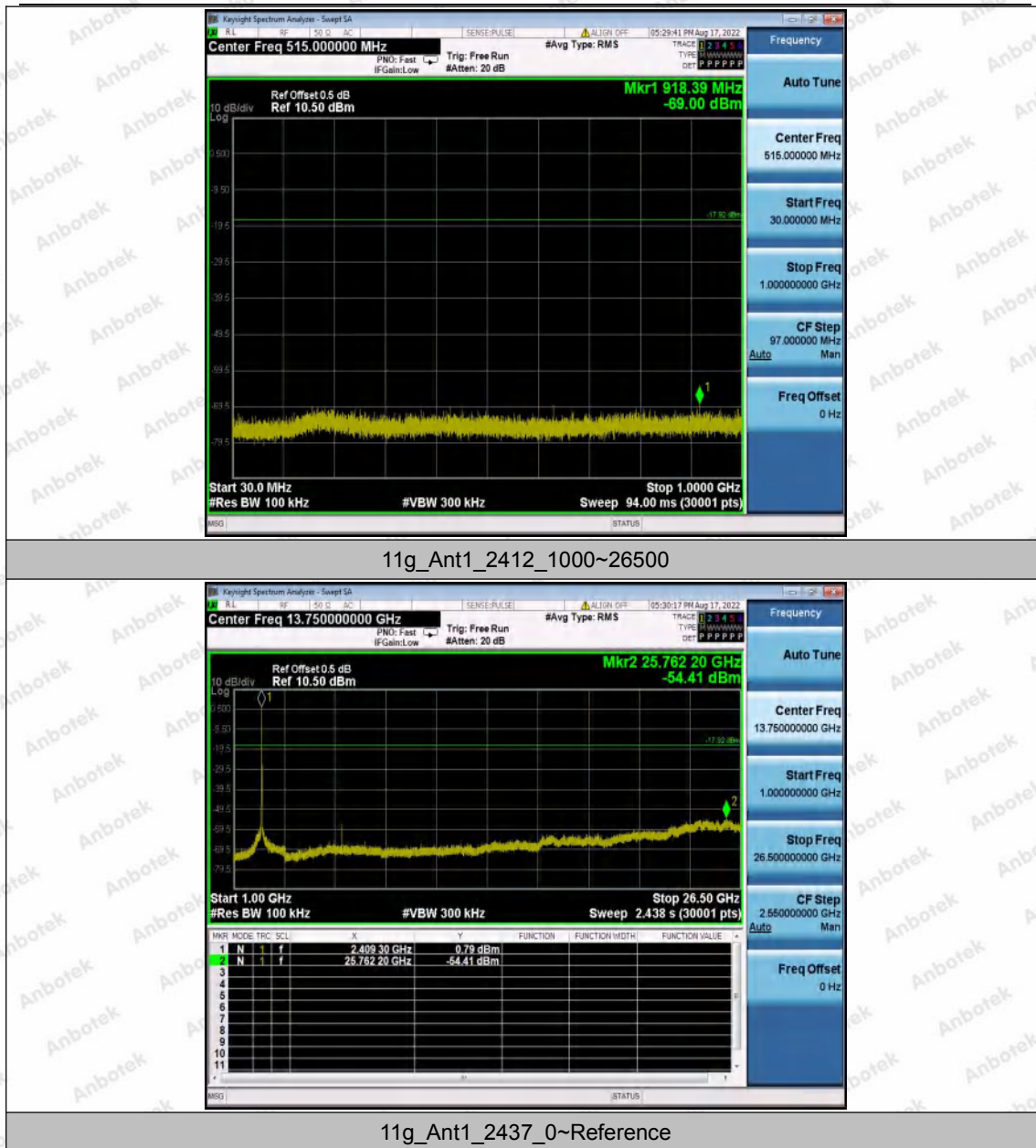
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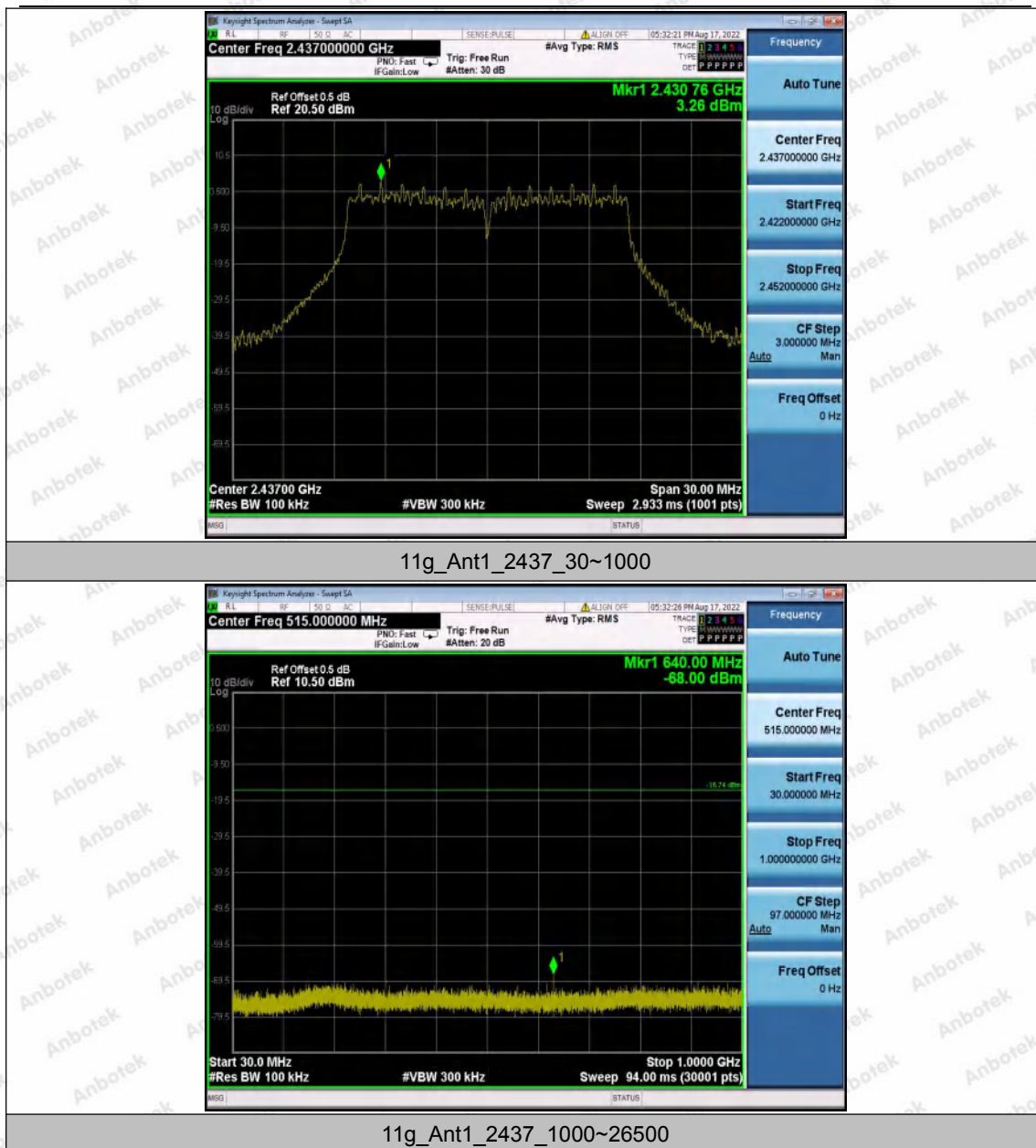
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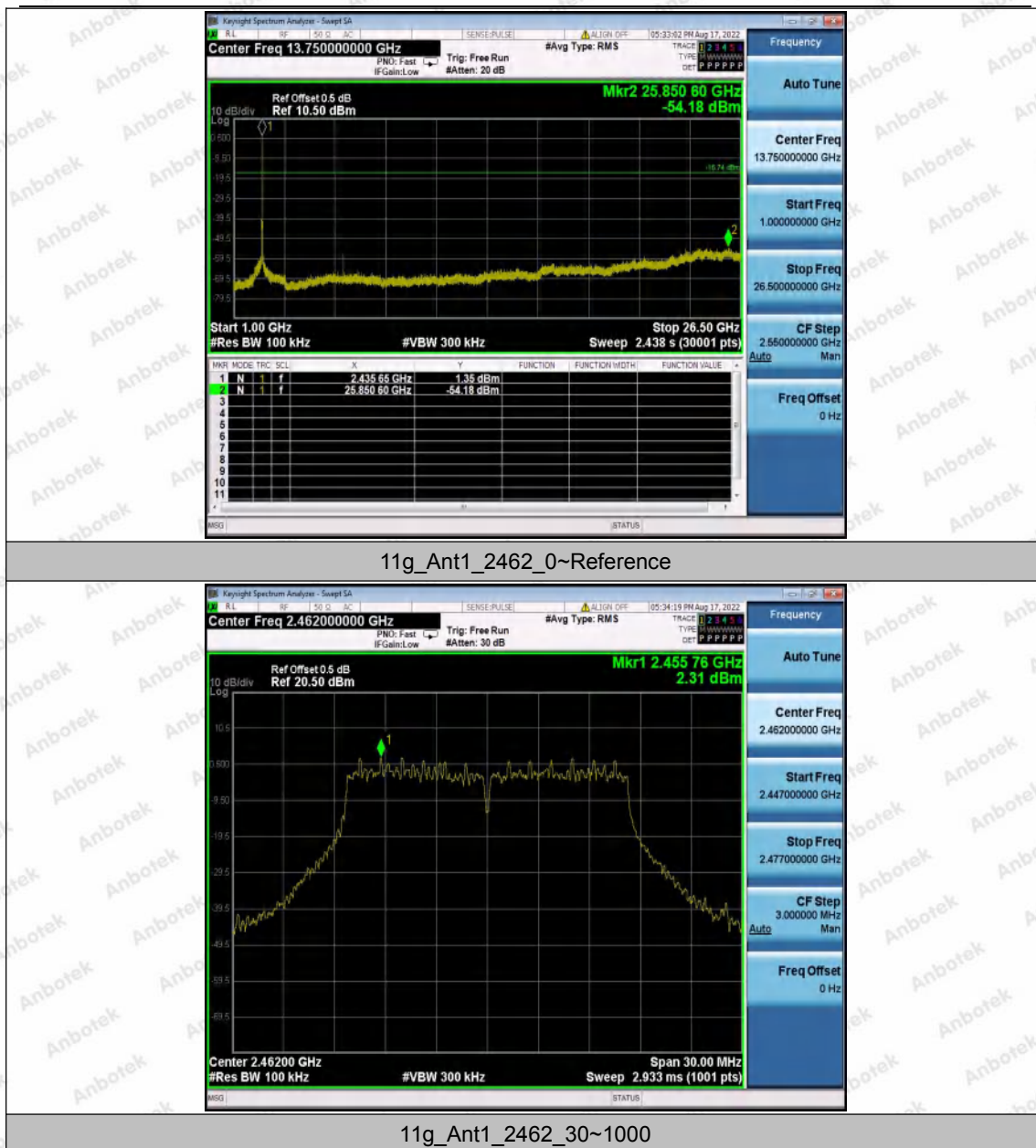
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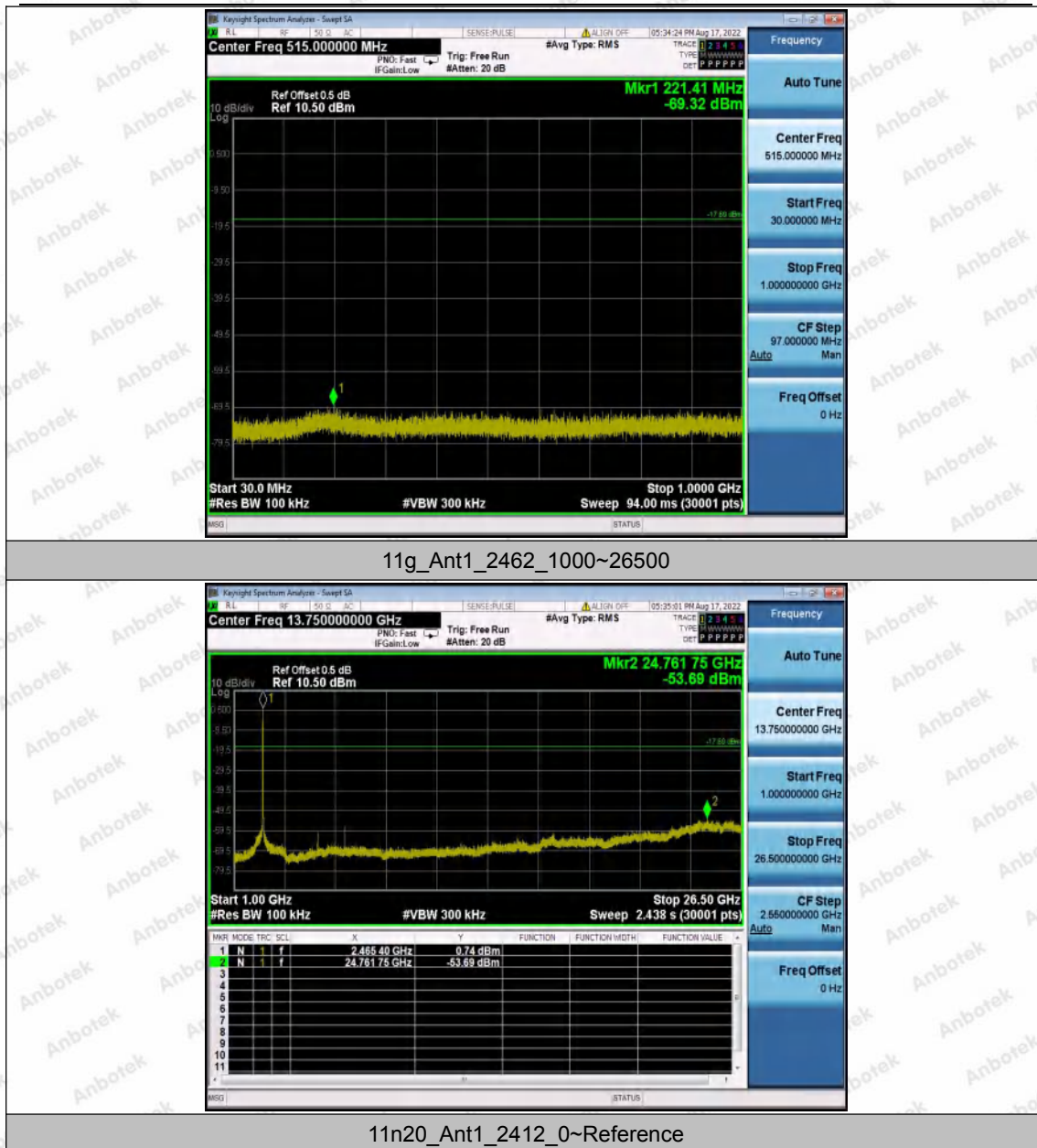
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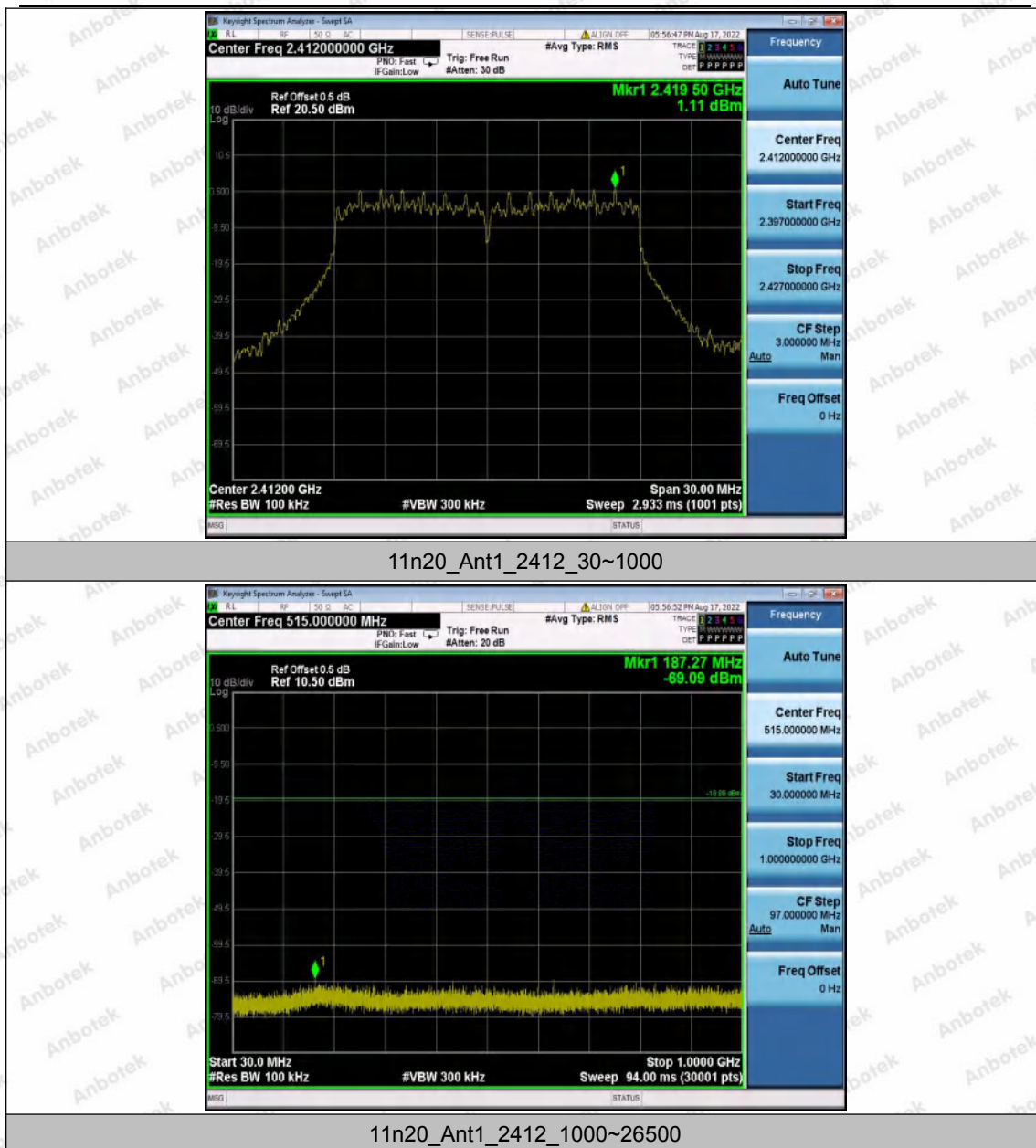
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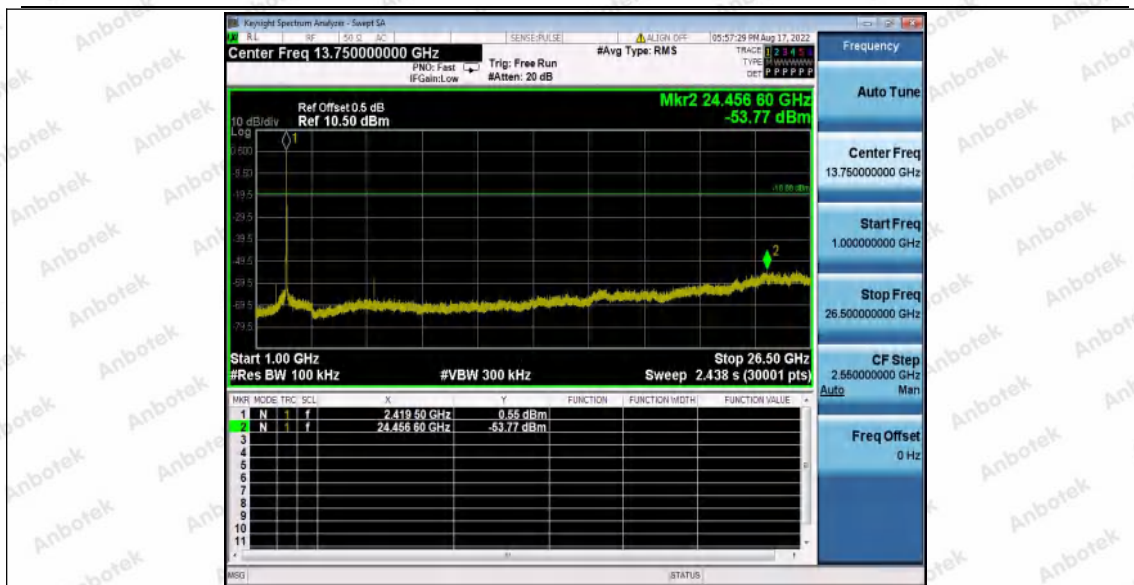
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11n20_Ant1_2437_0~Reference



11n20_Ant1_2437_30~1000

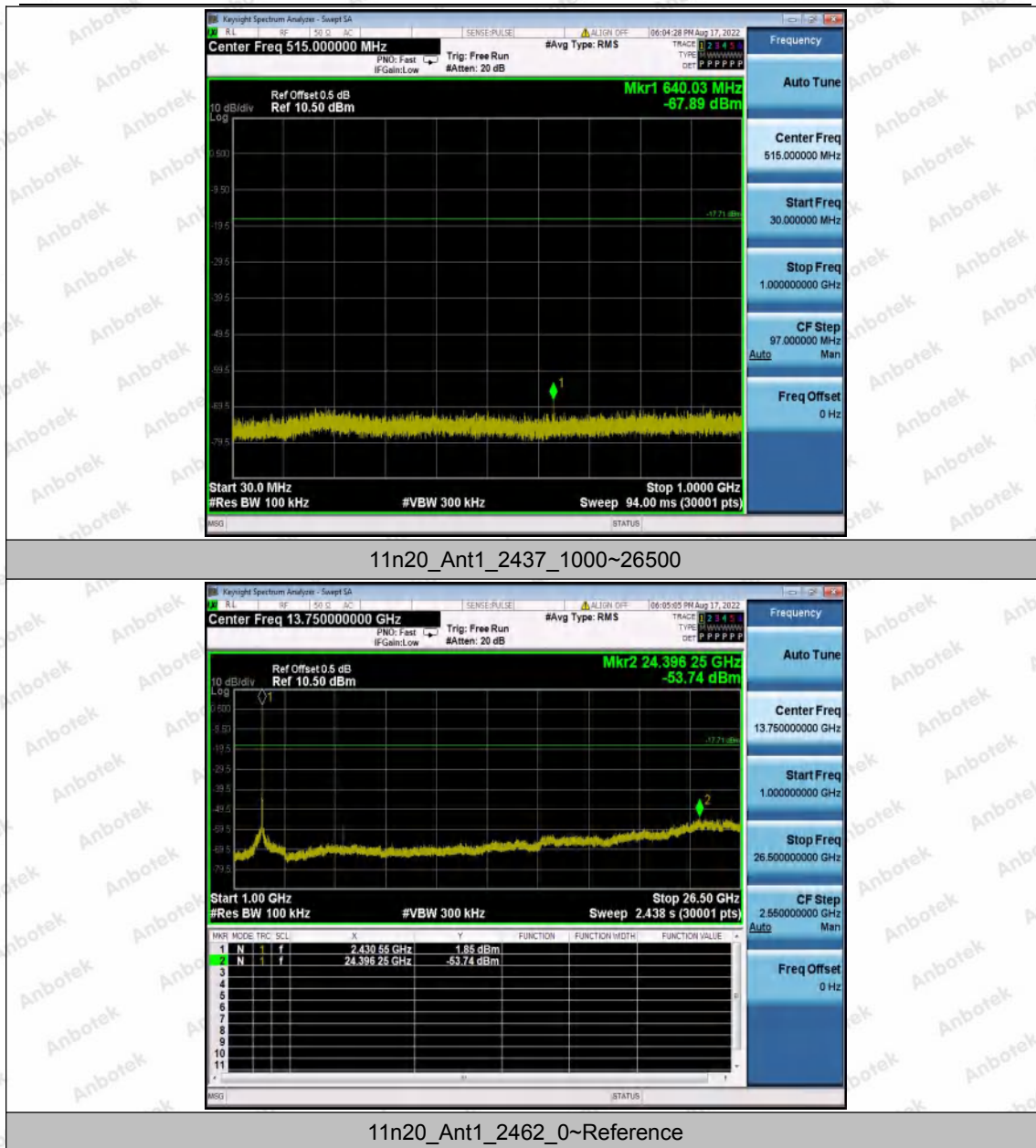
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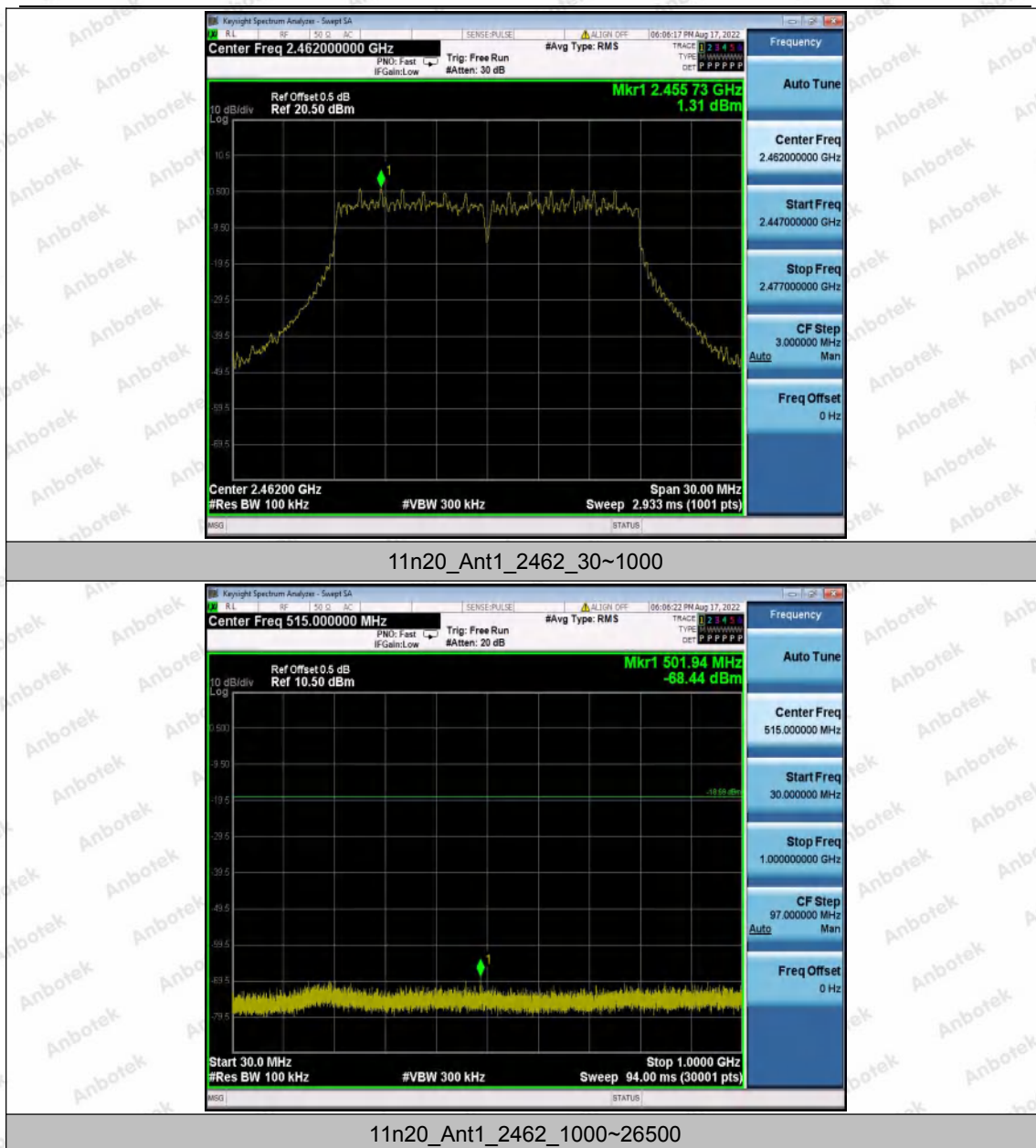
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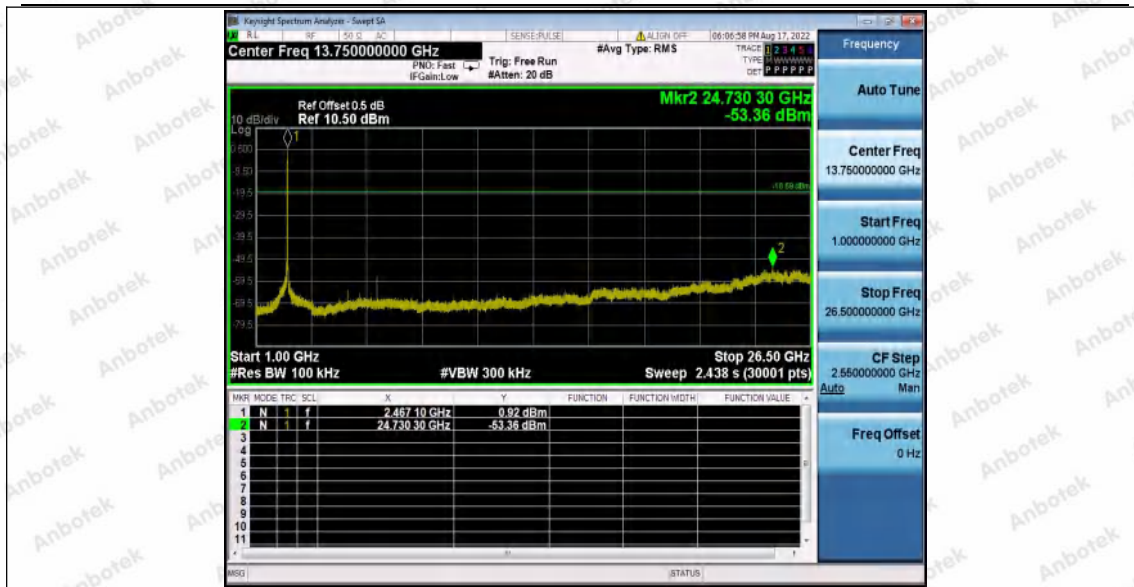
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Appendix H: Duty Cycle

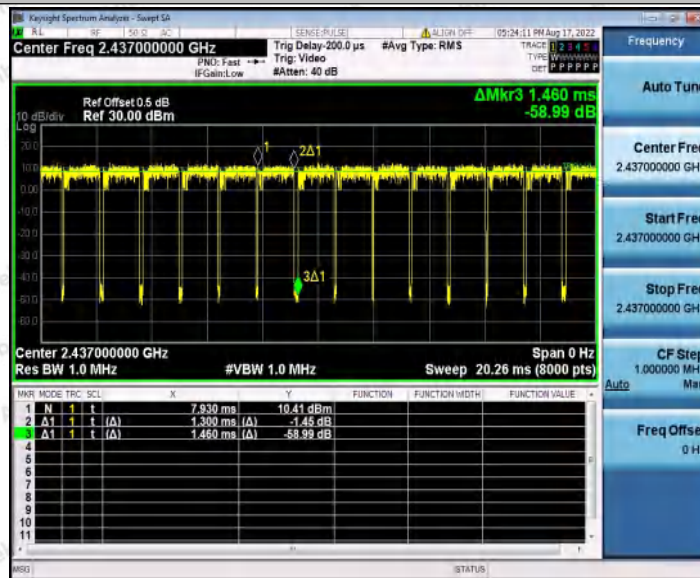
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11b	Ant1	2437	1.30	1.46	89.04	0.50
11g	Ant1	2437	0.25	0.60	41.67	3.80
11n20	Ant1	2437	0.23	0.82	28.05	5.52

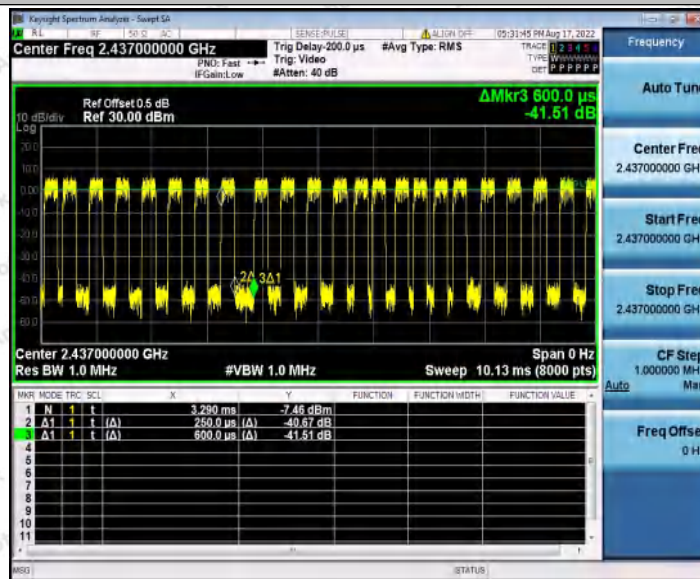


Test Graphs

11b_Ant1_2437



11g_Ant1_2437



11n20_Ant1_2437

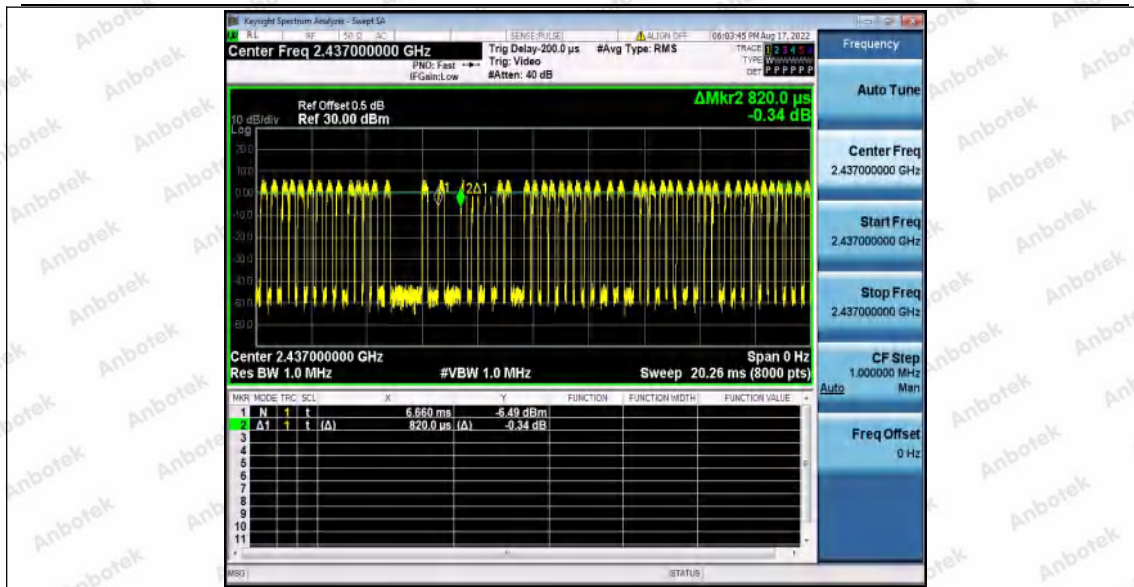
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