

Appendix Test Data

Report No.:	18220WC20198201	Test Sample No.:	1-2-2
Start Test Date:	2022.8.25	Finish Test Date:	2022.8.31
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°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	9.080	2407.480	2416.560	0.5	PASS
		2437	10.000	2432.000	2442.000	0.5	PASS
		2462	9.040	2457.480	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	0.5	PASS
		2437	17.560	2428.240	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462





11G_Ant1_2412



11G_Ant1_2437



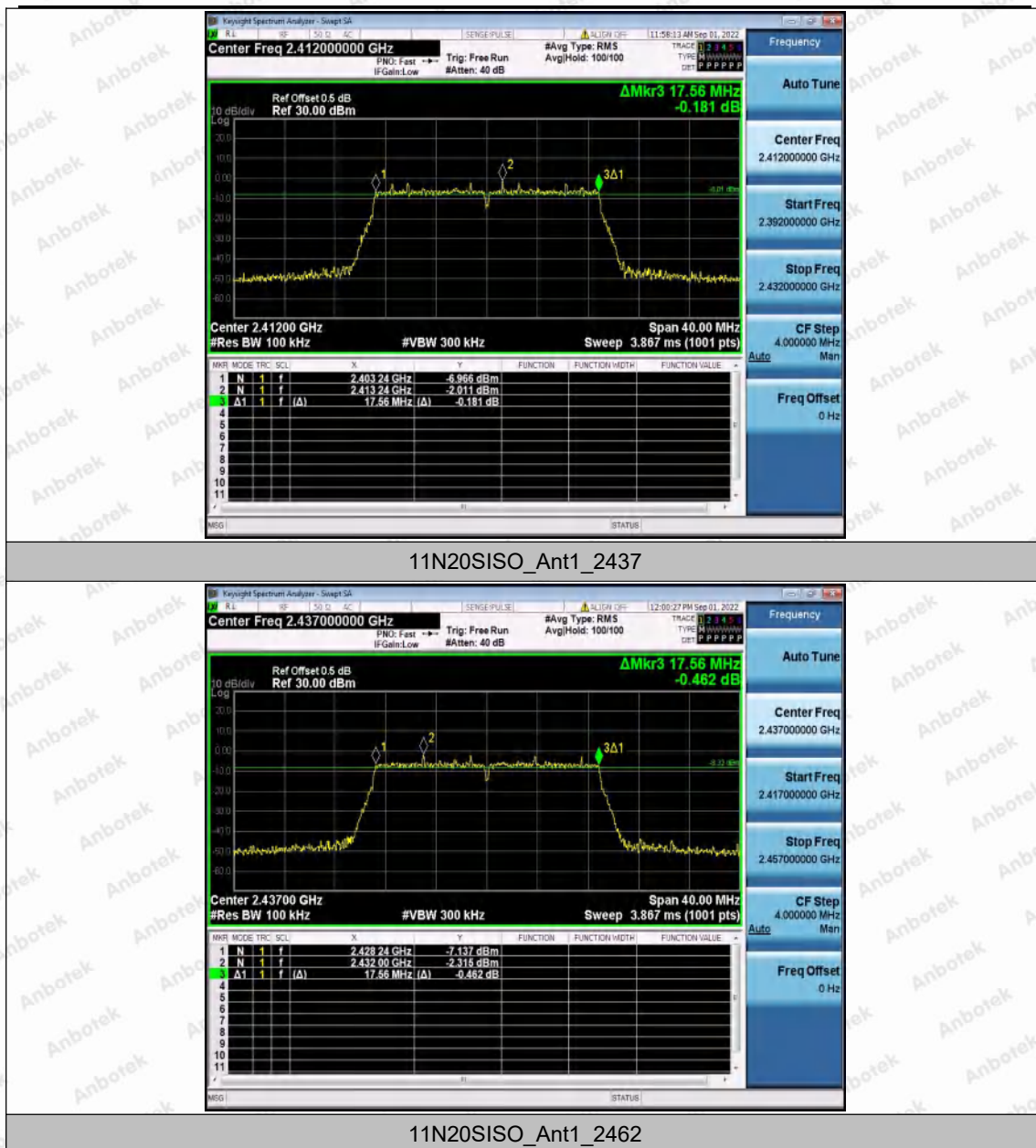


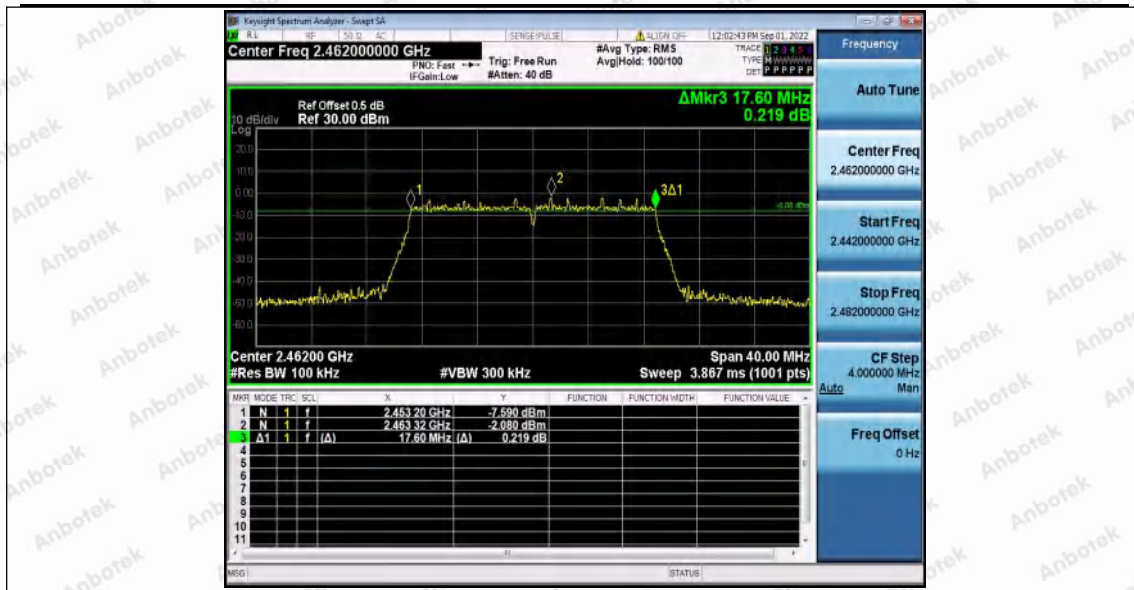
11G_Ant1_2462



11N20SISO_Ant1_2412







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Appendix B: Occupied Channel Bandwidth

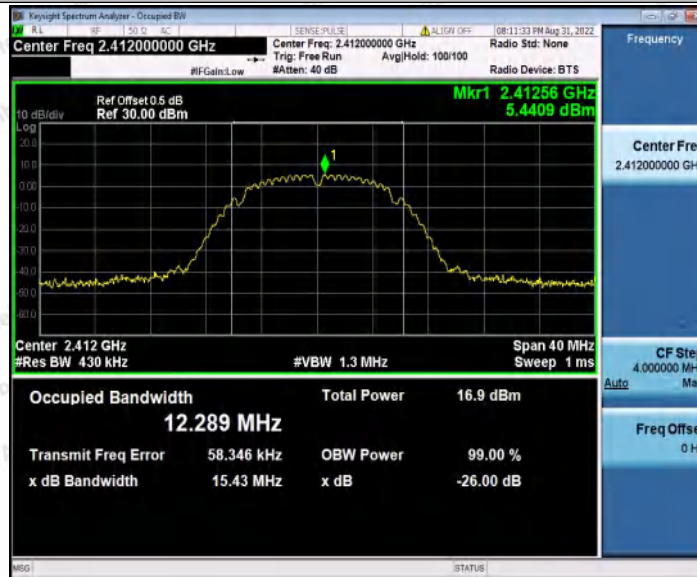
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	12.289	2405.9139	2418.2029
		2437	12.302	2430.8910	2443.1930
		2462	12.306	2455.8844	2468.1904
11G	Ant1	2412	17.096	2403.4859	2420.5819
		2437	17.054	2428.5040	2445.5580
		2462	17.067	2453.5047	2470.5717
11N20SISO	Ant1	2412	17.963	2403.0713	2421.0343
		2437	17.949	2428.0593	2446.0083
		2462	17.914	2453.0670	2470.9810

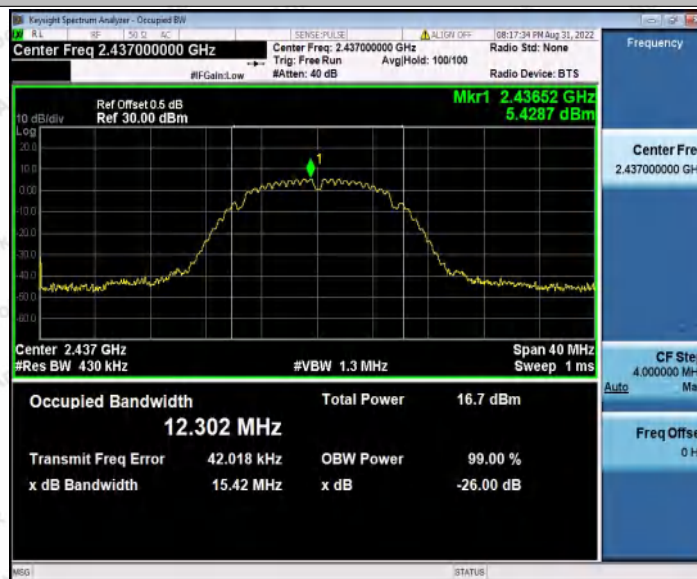


Test Graphs

11B_Ant1_2412

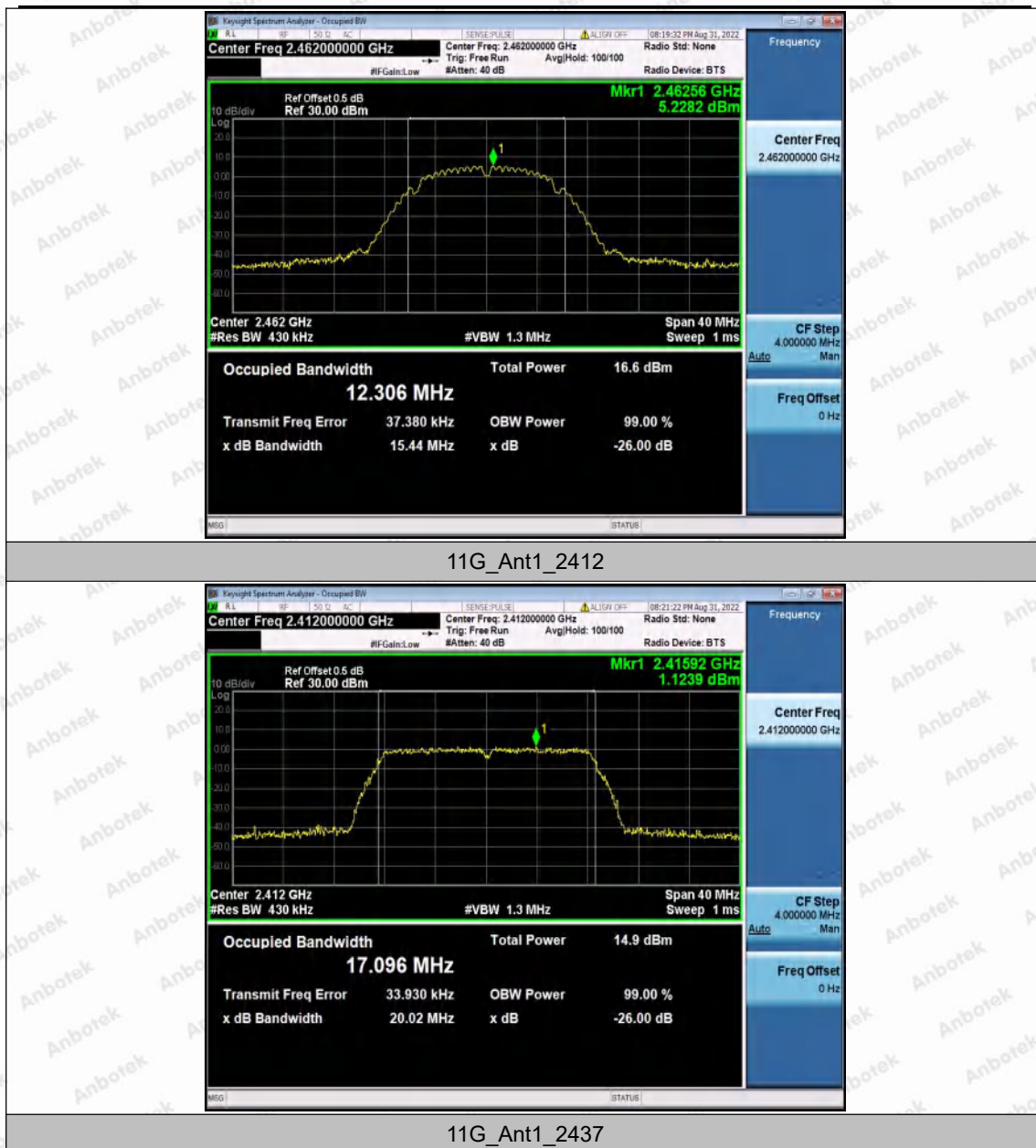


11B_Ant1_2437



11B_Ant1_2462





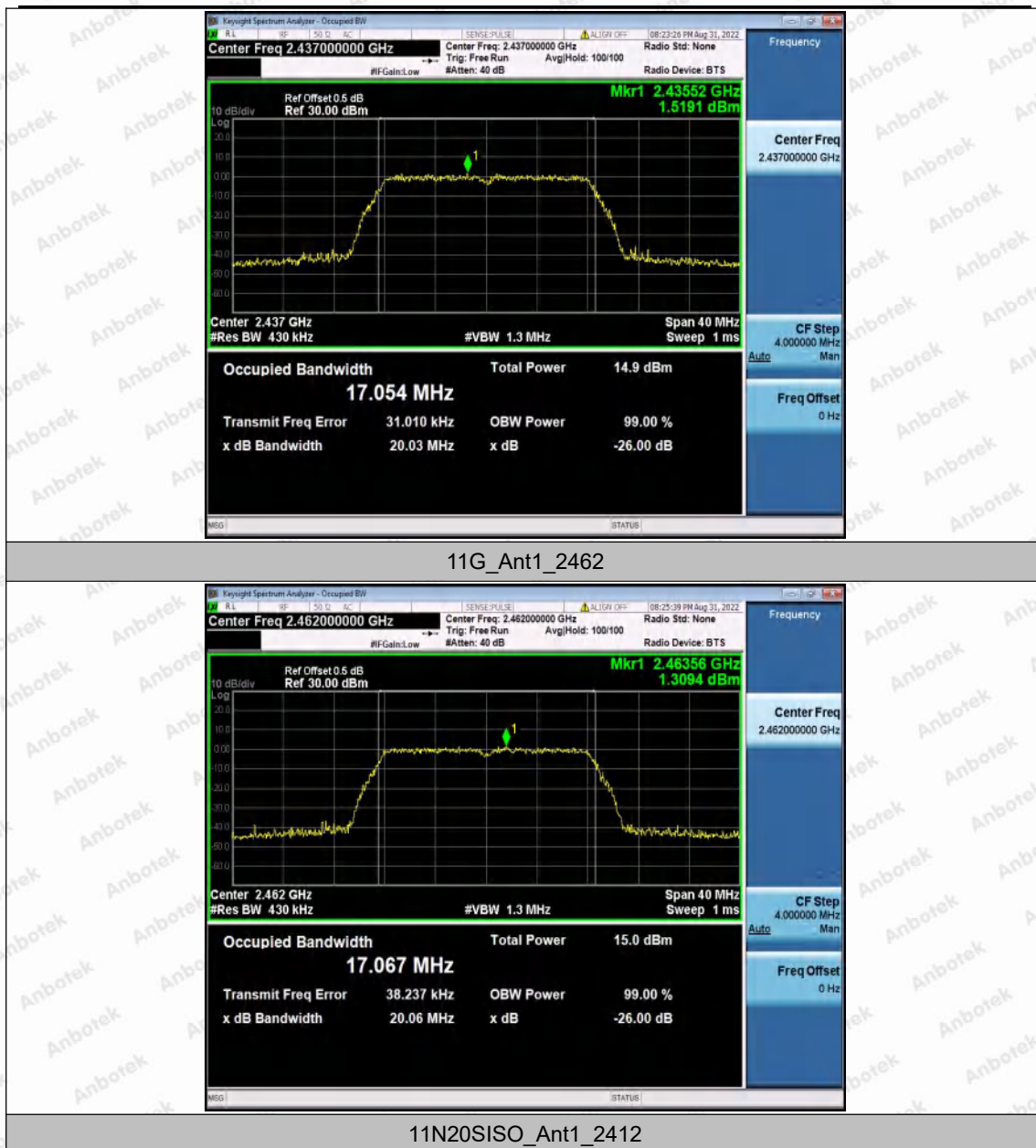
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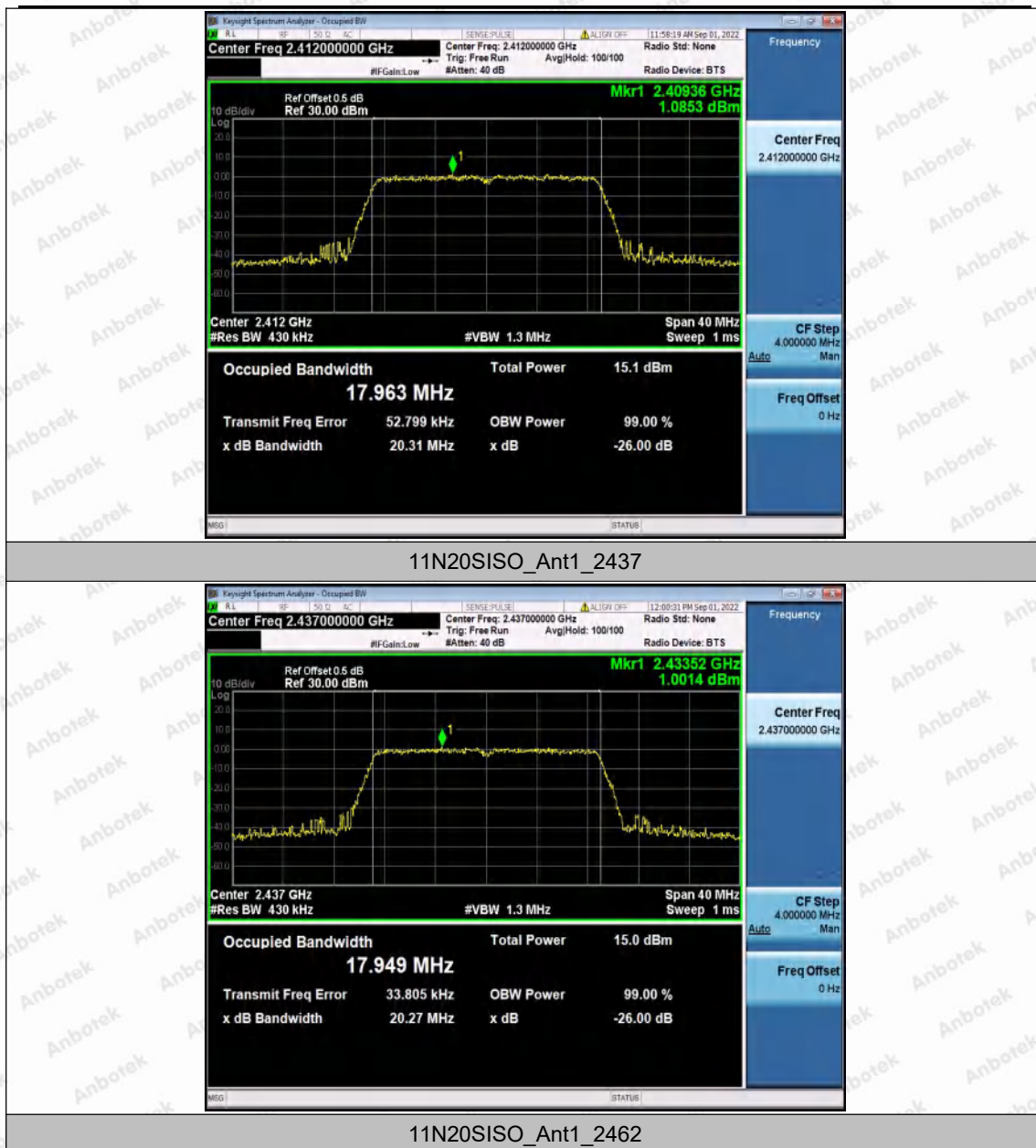
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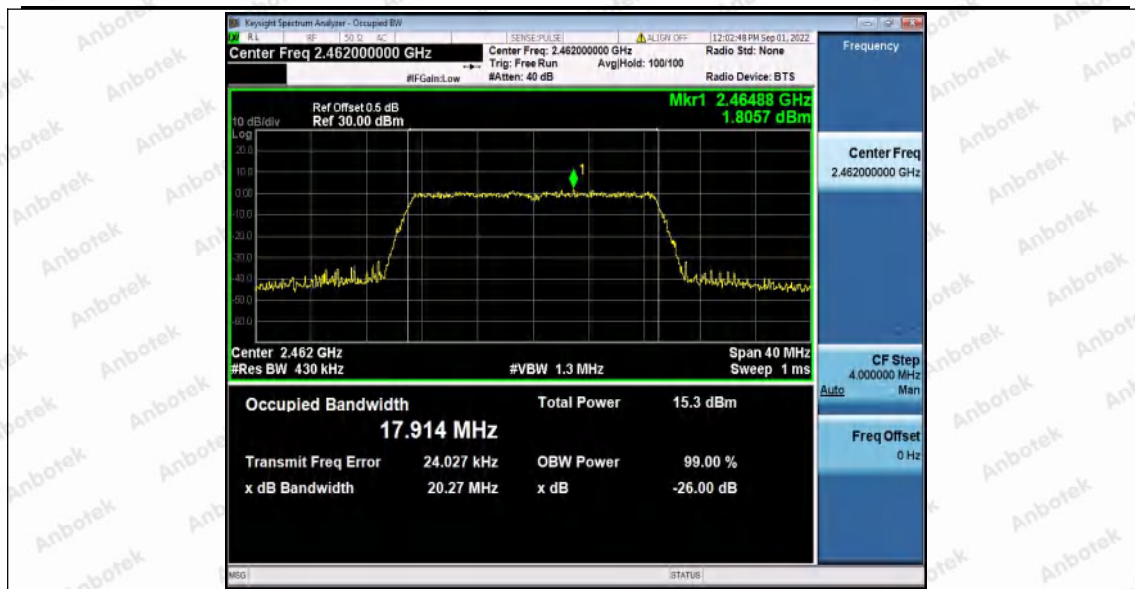
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	16.49	≤30.00	PASS
		2437	---	16.52	≤30.00	PASS
		2462	---	16.26	≤30.00	PASS
11G	Ant1	2412	---	16.06	≤30.00	PASS
		2437	---	15.88	≤30.00	PASS
		2462	---	15.99	≤30.00	PASS
11N20SISO	Ant1	2412	---	16.27	≤30.00	PASS
		2437	---	16.12	≤30.00	PASS
		2462	---	16.39	≤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	-8.31	≤8.00	PASS
		2437	-6.08	≤8.00	PASS
		2462	-8.59	≤8.00	PASS
11G	Ant1	2412	-16.58	≤8.00	PASS
		2437	-15.64	≤8.00	PASS
		2462	-16.13	≤8.00	PASS
11N20SISO	Ant1	2412	-15.17	≤8.00	PASS
		2437	-16.25	≤8.00	PASS
		2462	-16.04	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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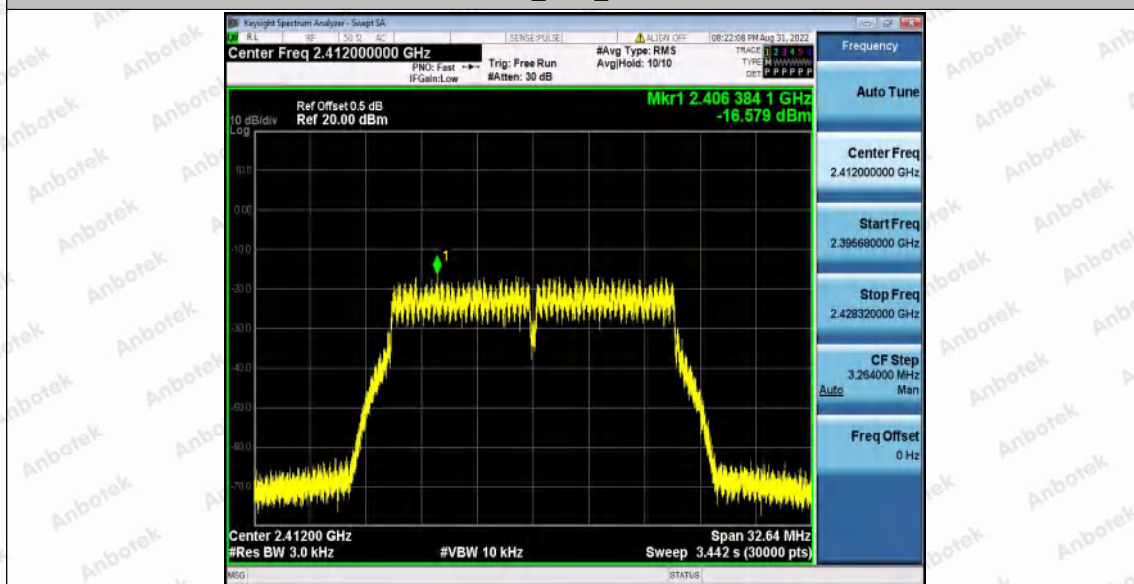


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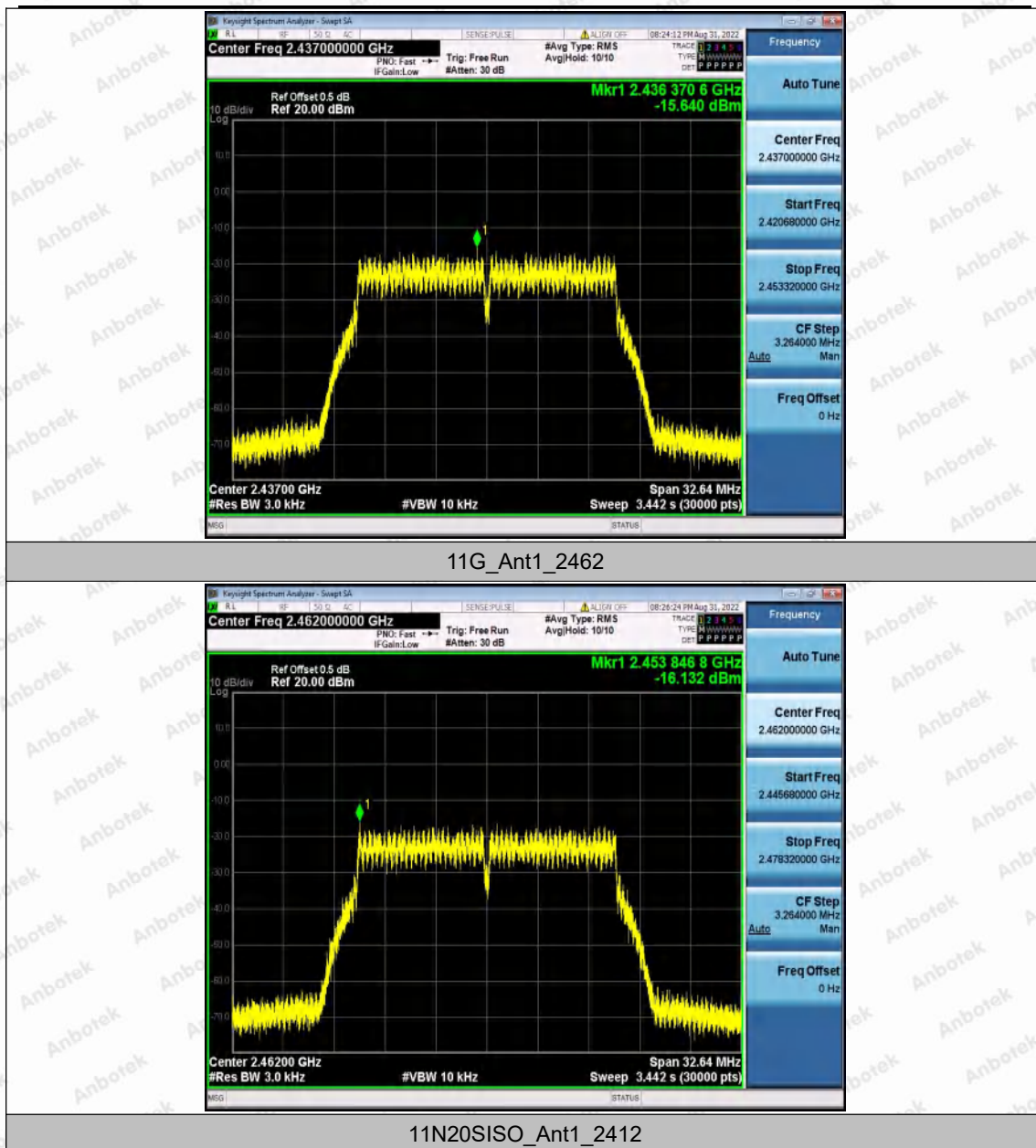


11G_Ant1_2412



11G_Ant1_2437





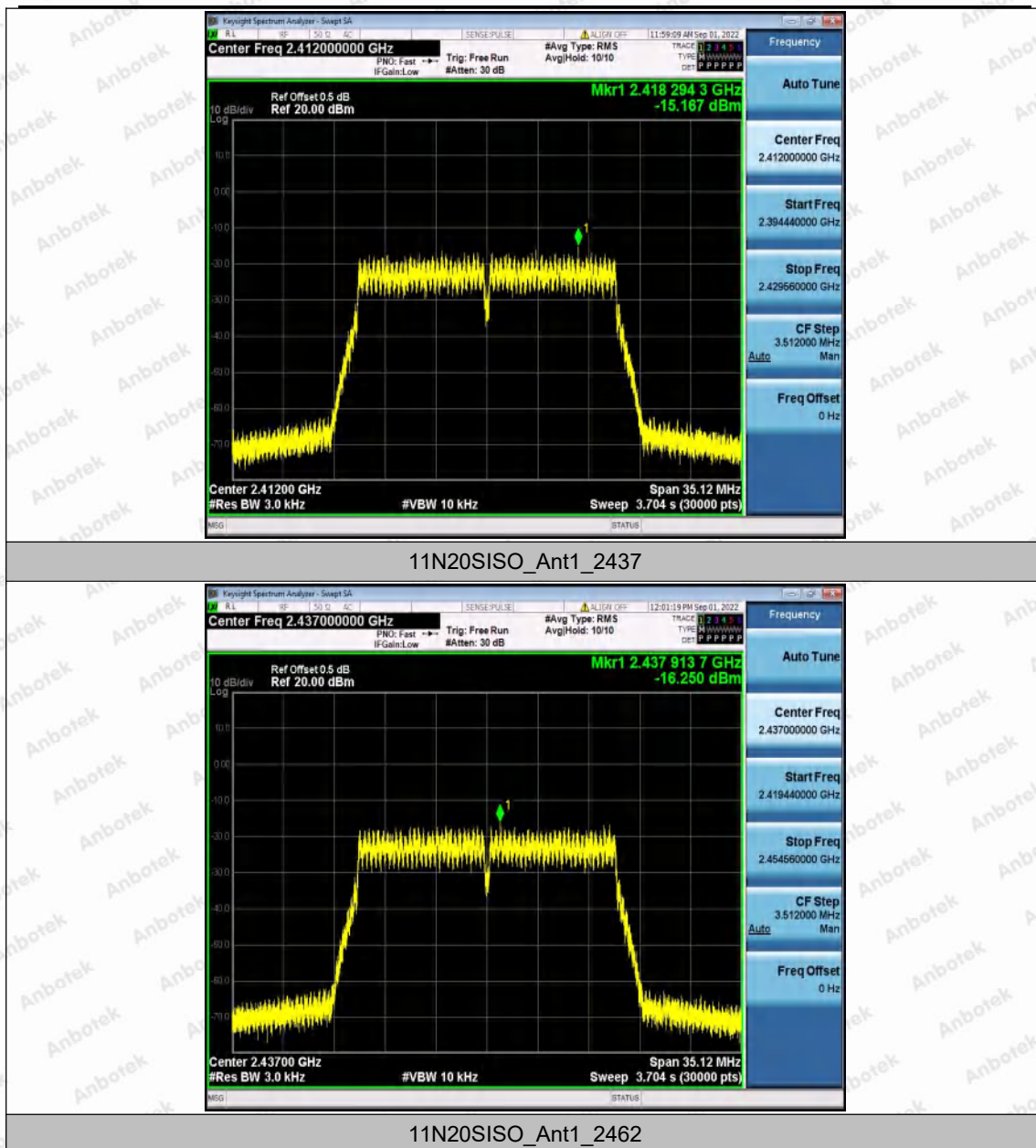
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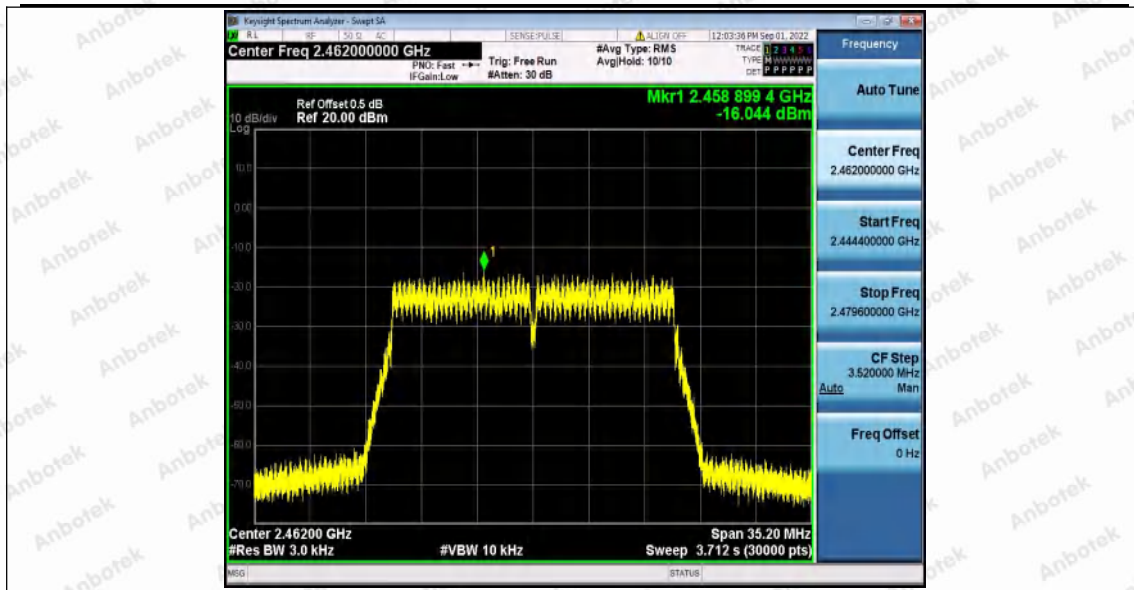
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Appendix E: Band edge measurements

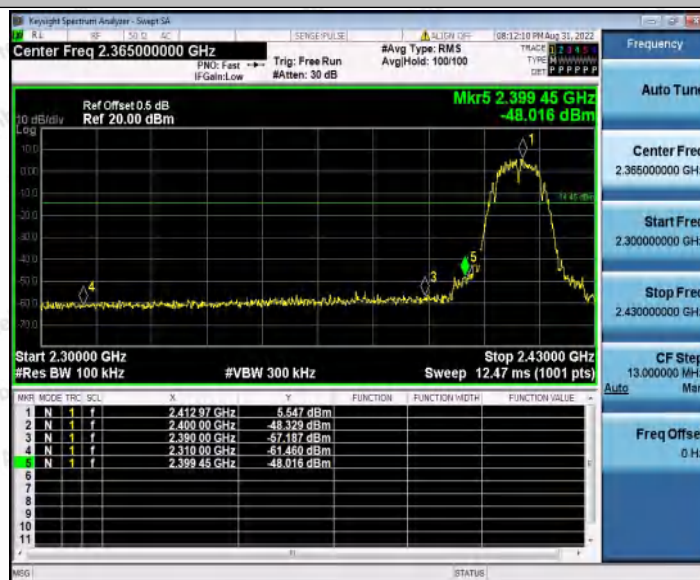
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.55	-48.02	≤-14.45	PASS
		High	2462	4.86	-54.75	≤-15.14	PASS
11G	Ant1	Low	2412	-2.42	-47.88	≤-22.42	PASS
		High	2462	-2.55	-53.63	≤-22.55	PASS
11N20SISO	Ant1	Low	2412	-1.87	-44.3	≤-21.87	PASS
		High	2462	-2.23	-54.07	≤-22.23	PASS

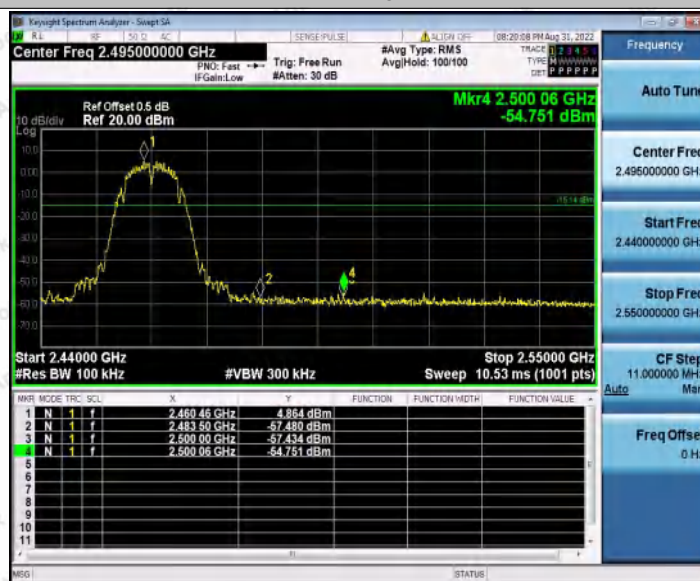


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

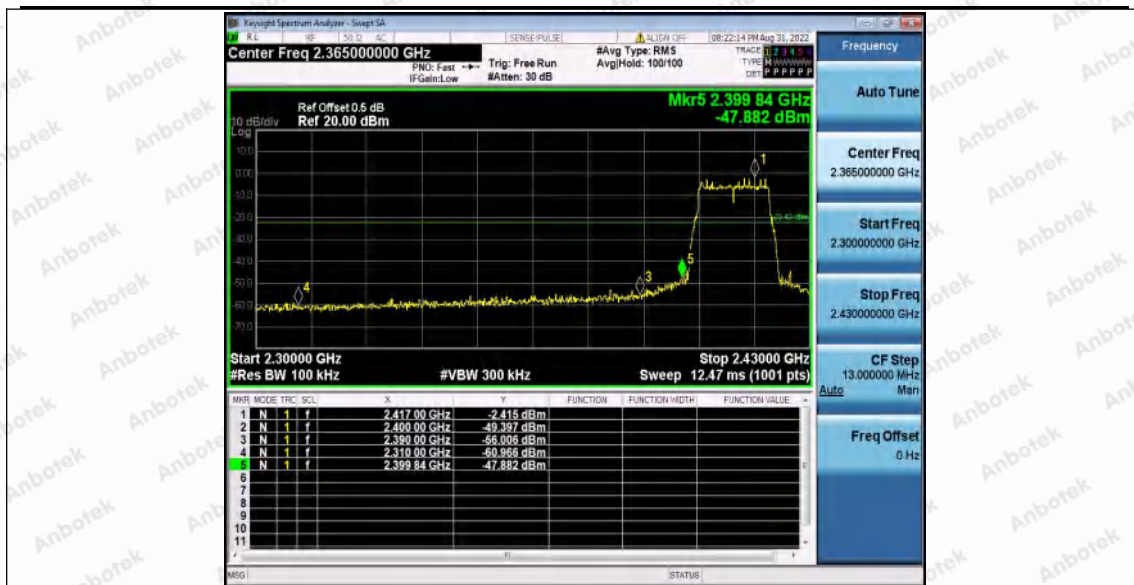
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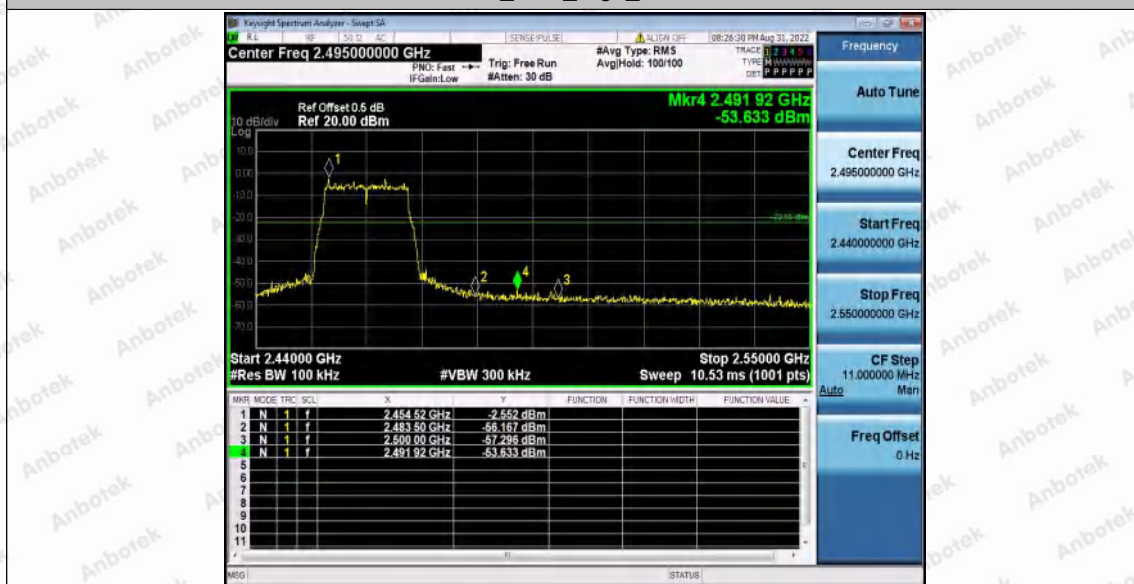


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11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412

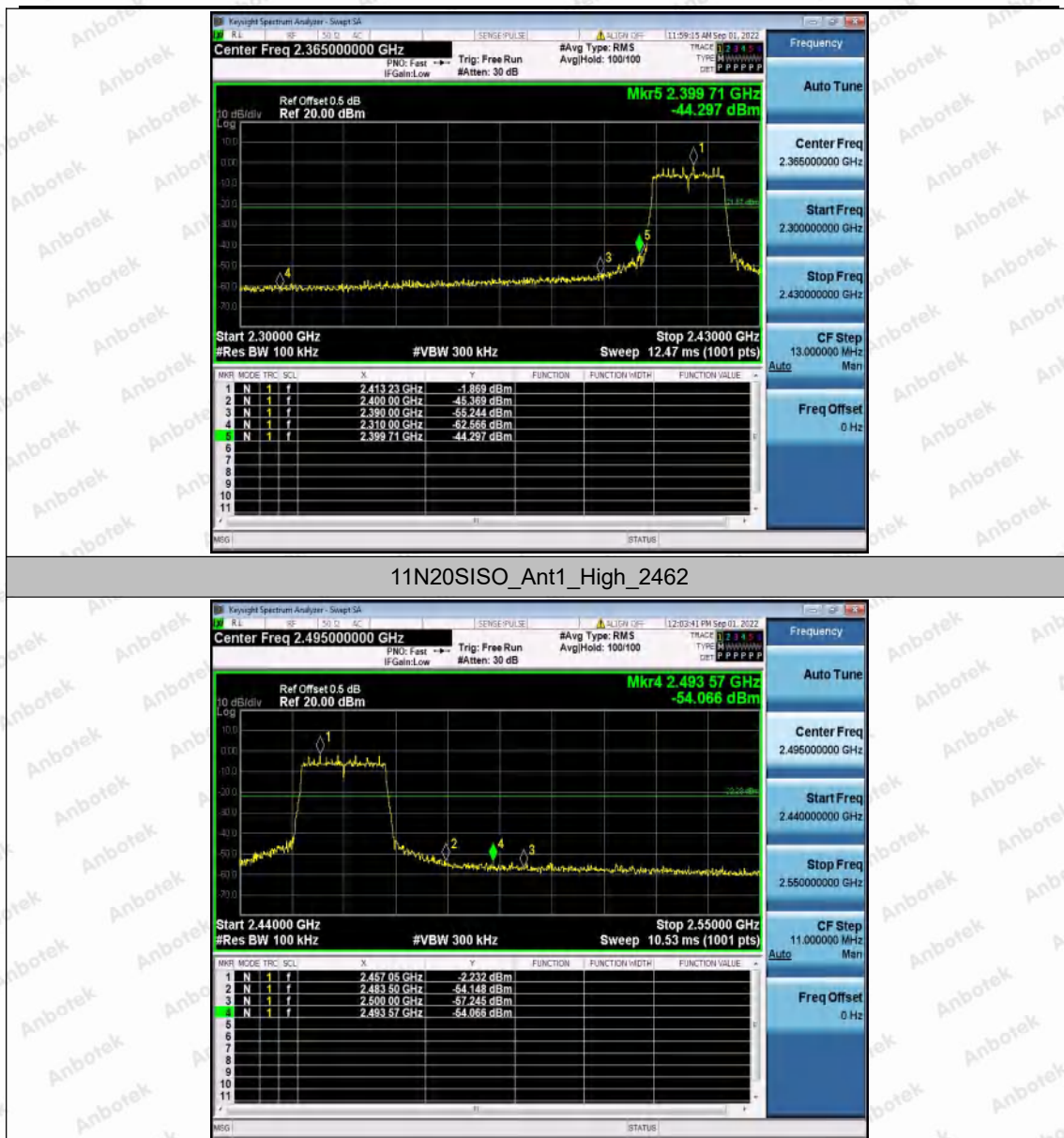
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.91	4.91	---	PASS
			30~1000	4.91	-69.49	≤-25.09	PASS
			1000~26500	4.91	-54.21	≤-25.09	PASS
		2437	Reference	4.46	4.46	---	PASS
			30~1000	4.46	-68.79	≤-25.54	PASS
			1000~26500	4.46	-54.24	≤-25.54	PASS
		2462	Reference	4.26	4.26	---	PASS
			30~1000	4.26	-69.7	≤-25.74	PASS
			1000~26500	4.26	-53.55	≤-25.74	PASS
11G	Ant1	2412	Reference	-5.02	-5.02	---	PASS
			30~1000	-5.02	-70.09	≤-35.02	PASS
			1000~26500	-5.02	-54.06	≤-35.02	PASS
		2437	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-70.4	≤-32.11	PASS
			1000~26500	-2.11	-53.44	≤-32.11	PASS
		2462	Reference	-3.16	-3.16	---	PASS
			30~1000	-3.16	-68.8	≤-33.16	PASS
			1000~26500	-3.16	-53.61	≤-33.16	PASS
11N20SISO	Ant1	2412	Reference	-2.88	-2.88	---	PASS
			30~1000	-2.88	-69.4	≤-32.88	PASS
			1000~26500	-2.88	-52.46	≤-32.88	PASS
		2437	Reference	-3.08	-3.08	---	PASS
			30~1000	-3.08	-69.62	≤-33.08	PASS
			1000~26500	-3.08	-53.4	≤-33.08	PASS
		2462	Reference	-4.87	-4.87	---	PASS
			30~1000	-4.87	-69.87	≤-34.87	PASS
			1000~26500	-4.87	-54.26	≤-34.87	PASS



Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

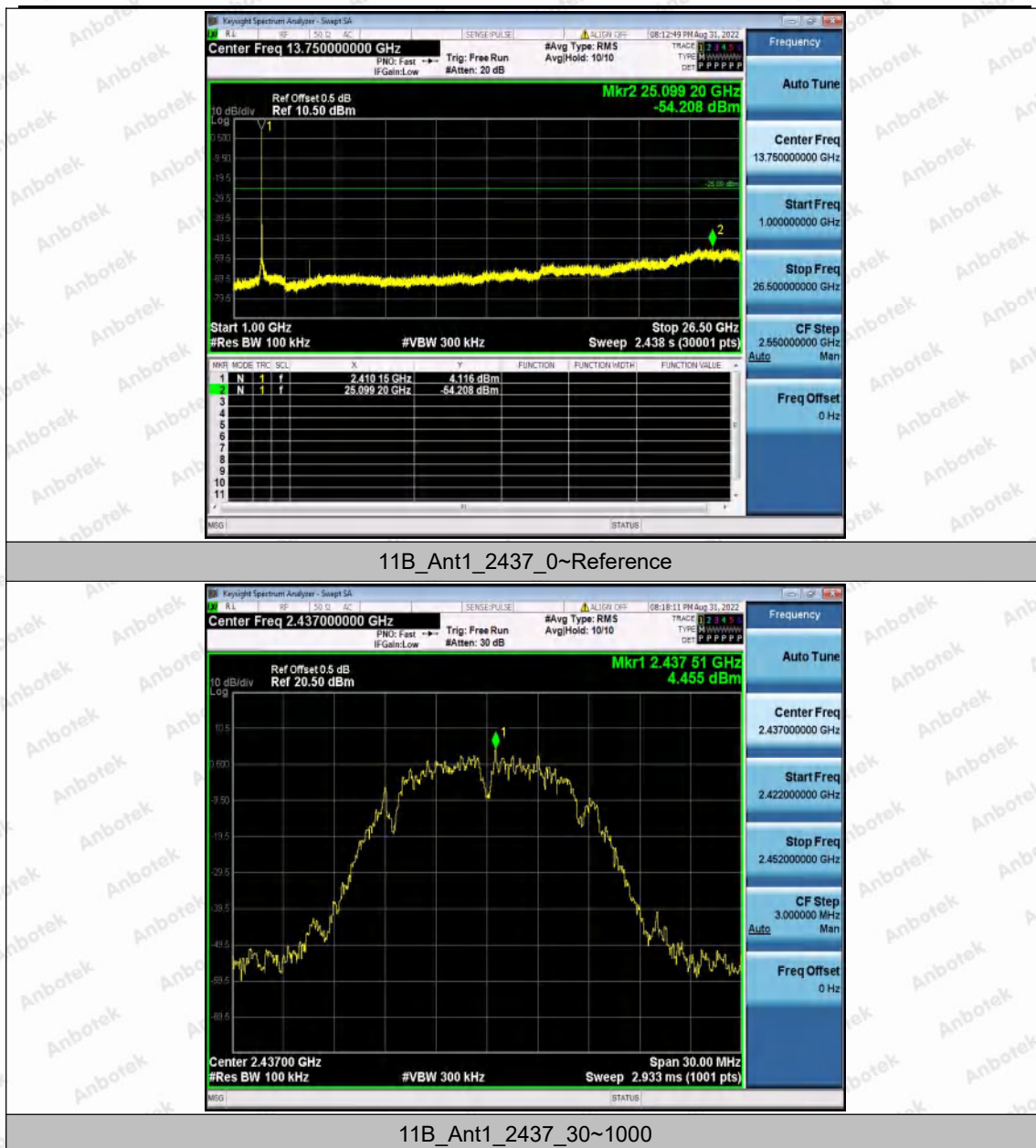
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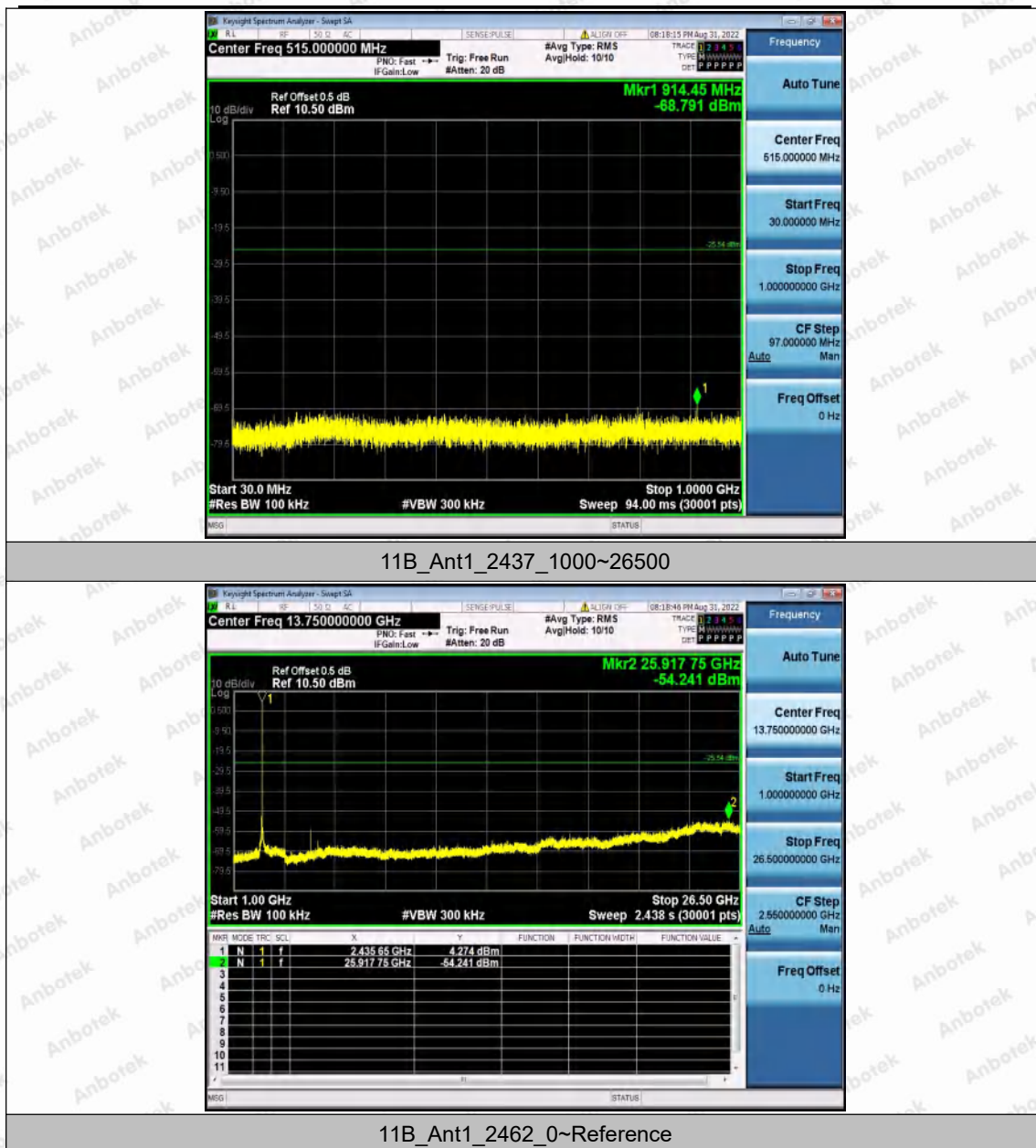
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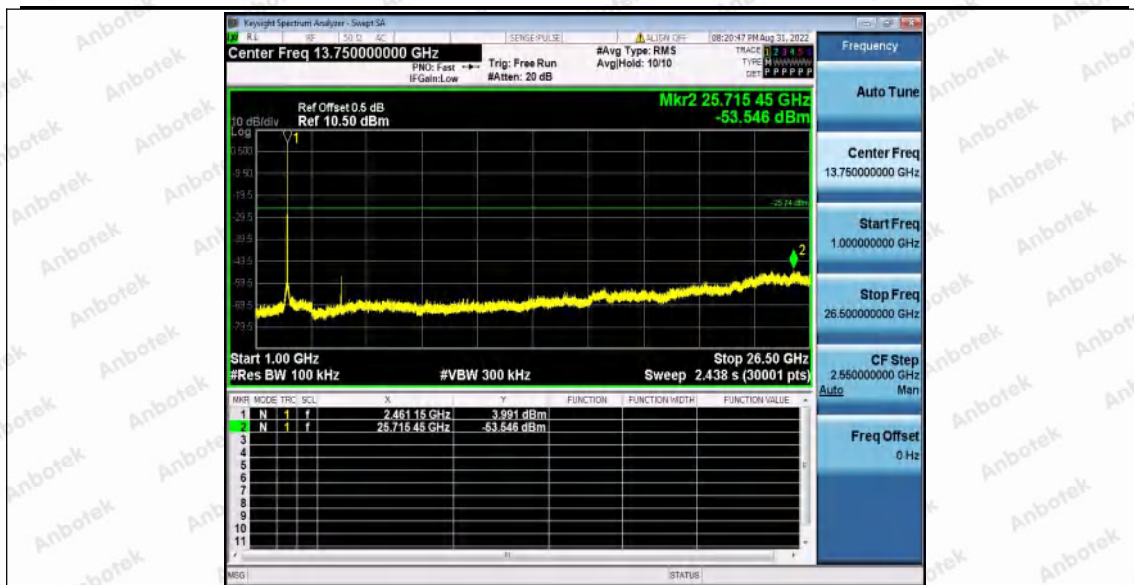
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11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000

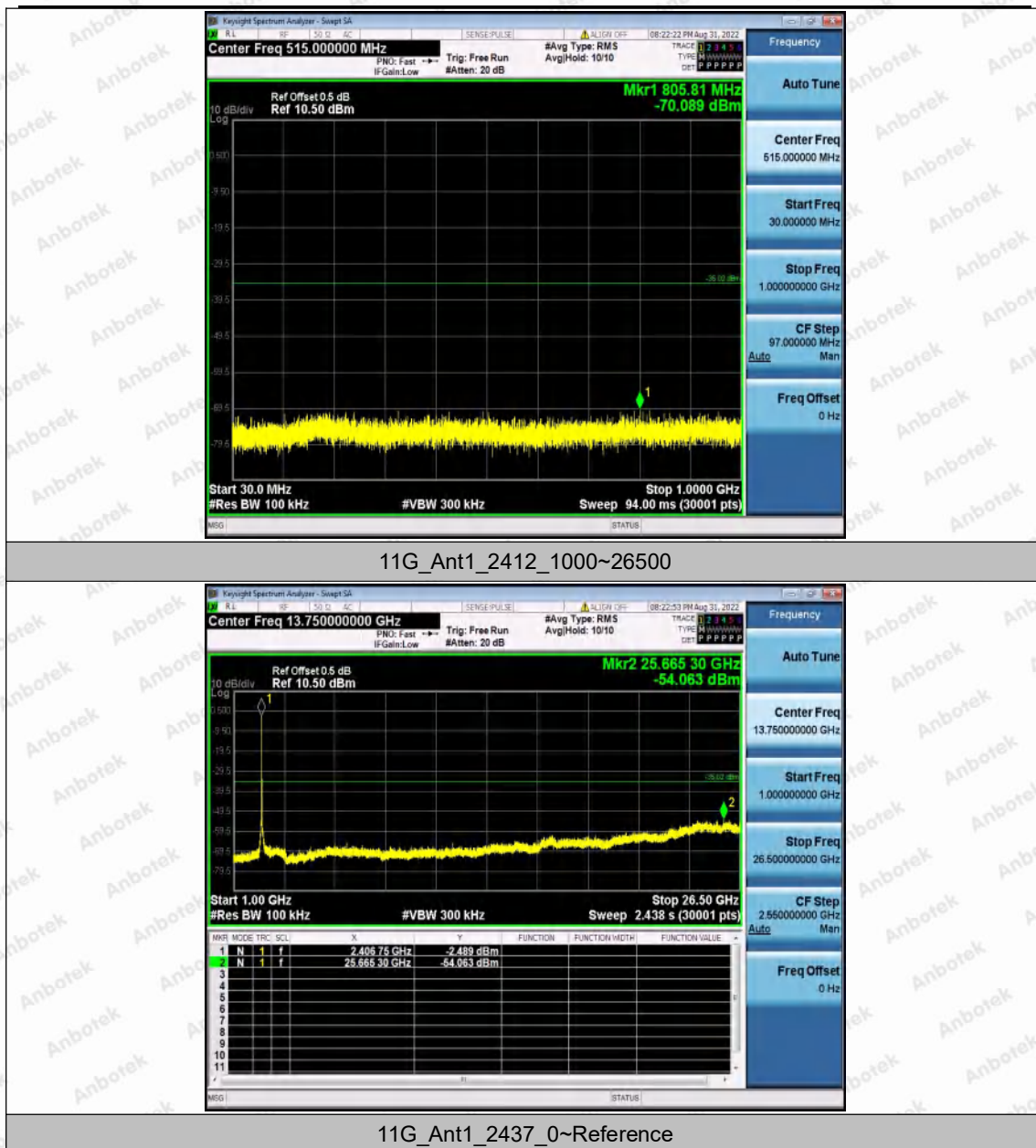
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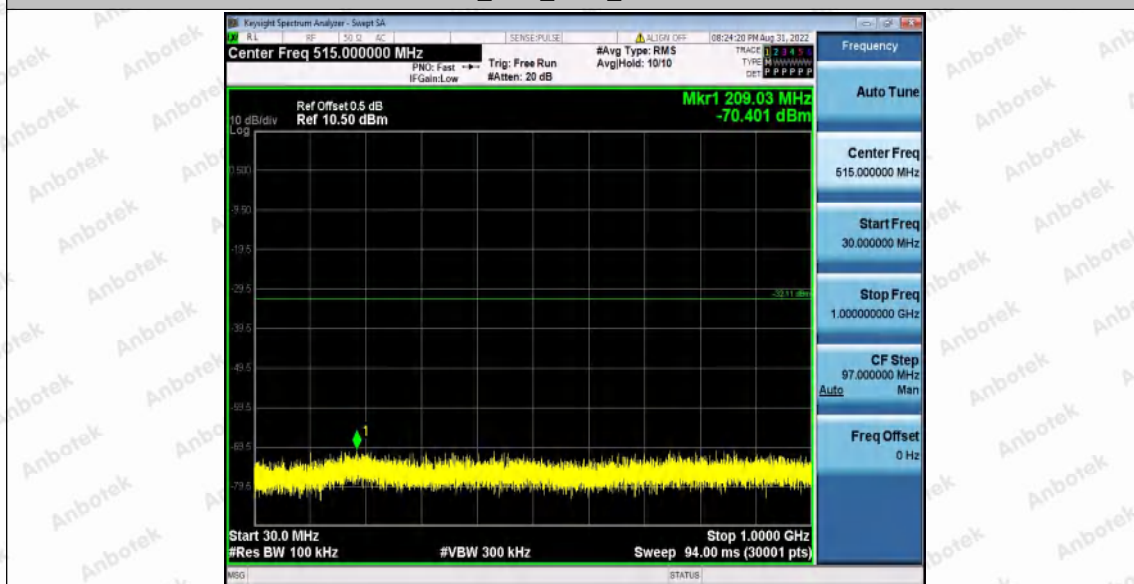
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

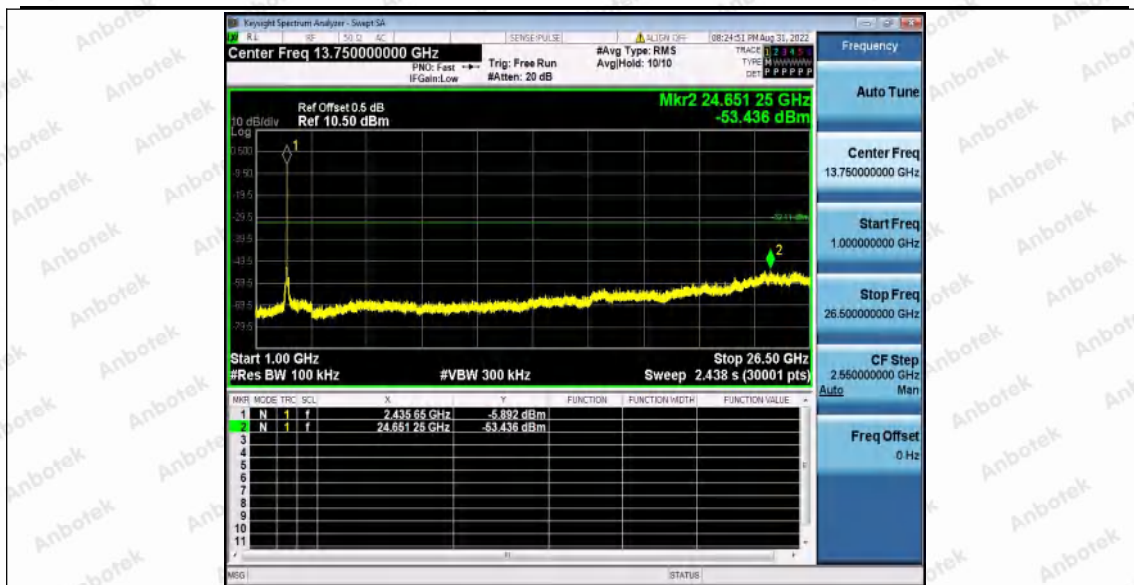
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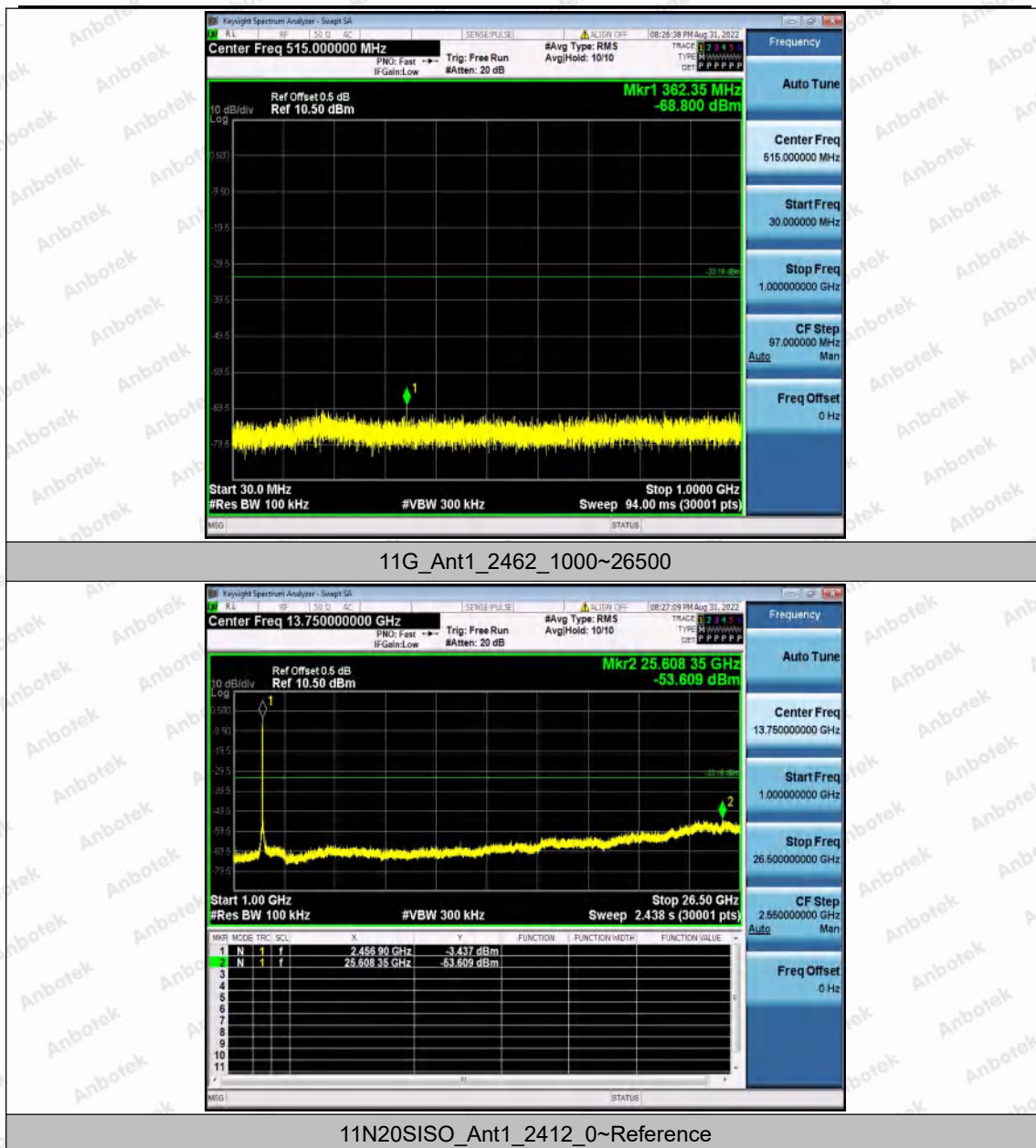


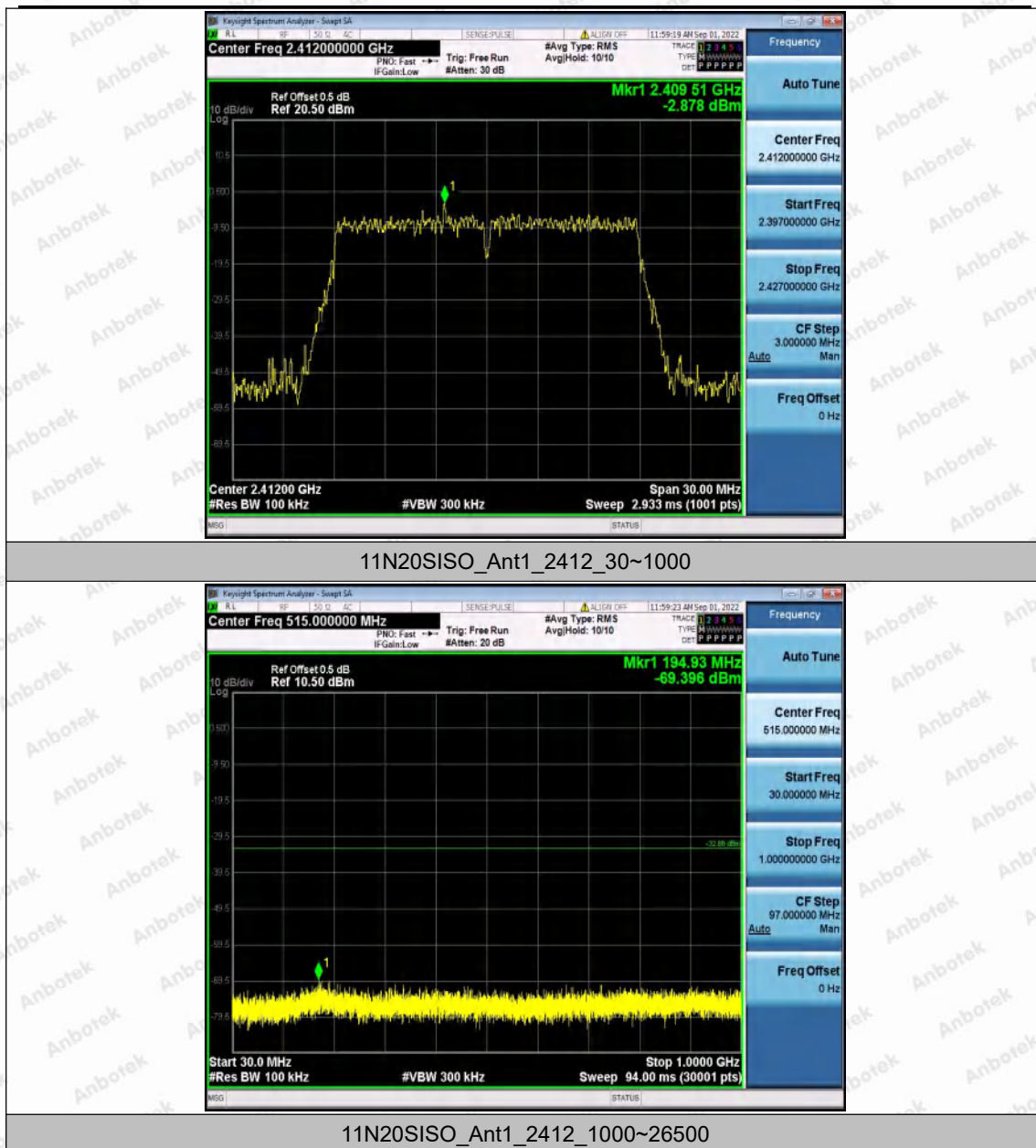
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11G_Ant1_2462_30~1000







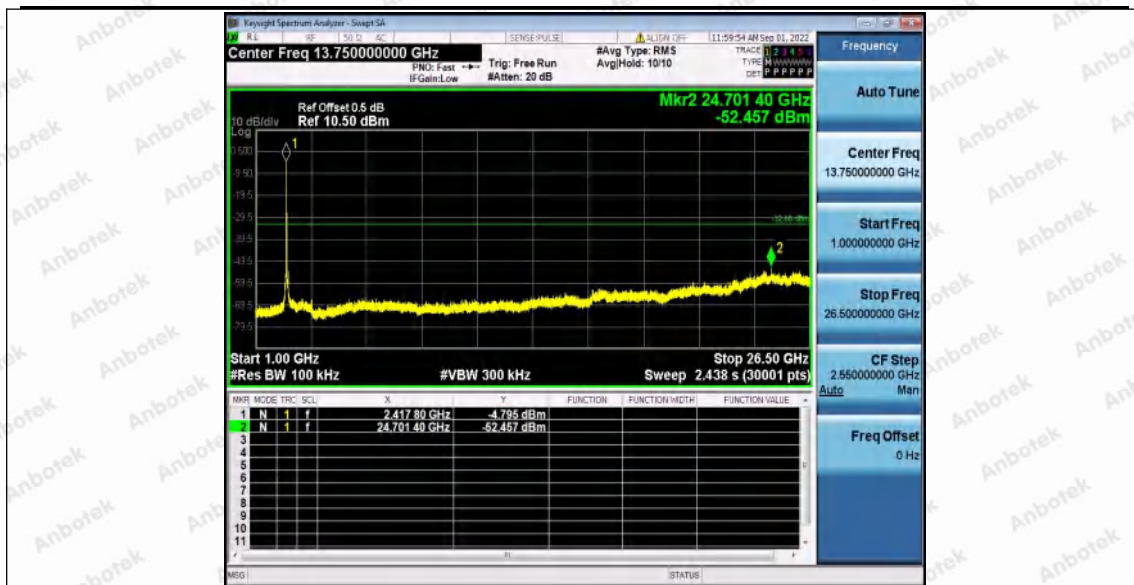
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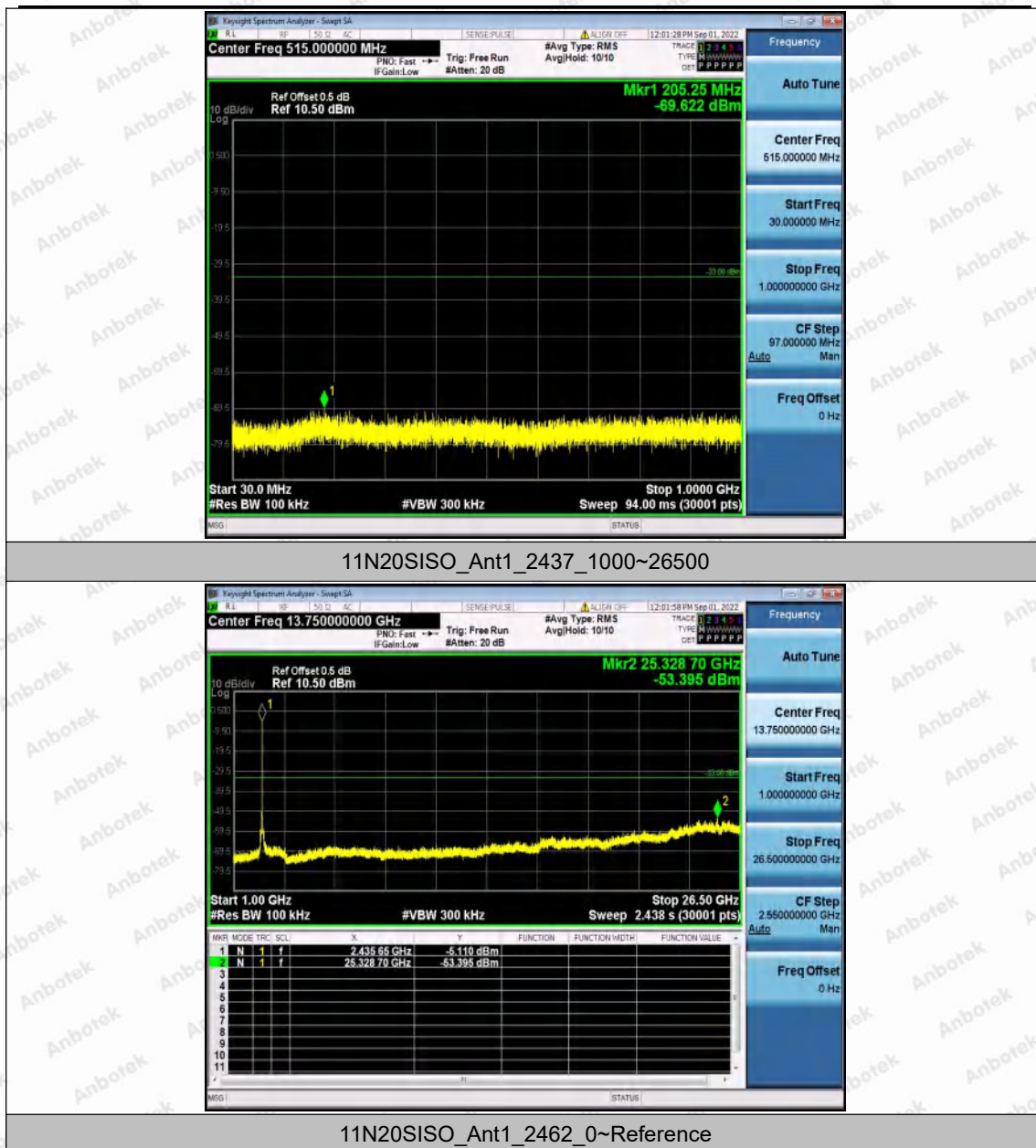


11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



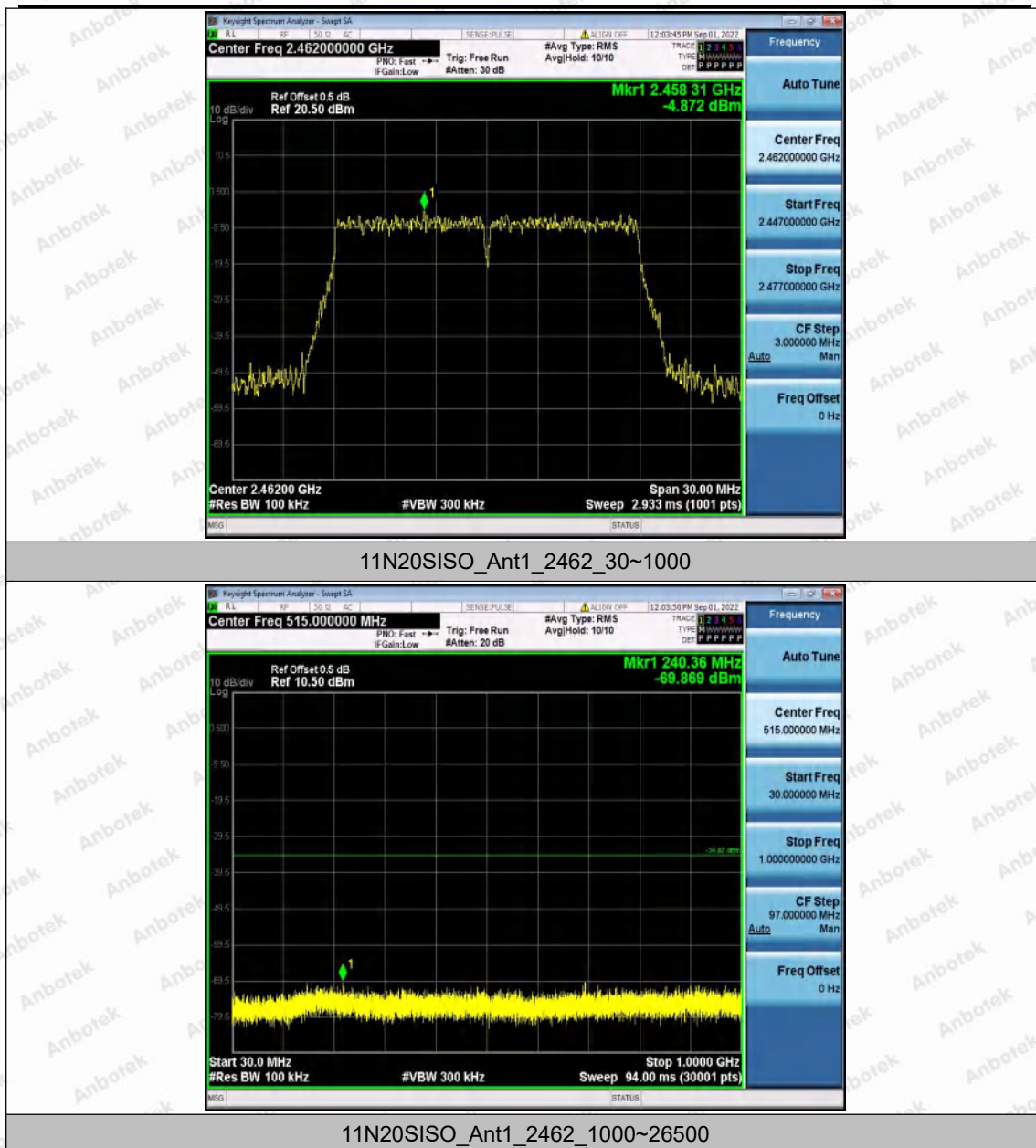
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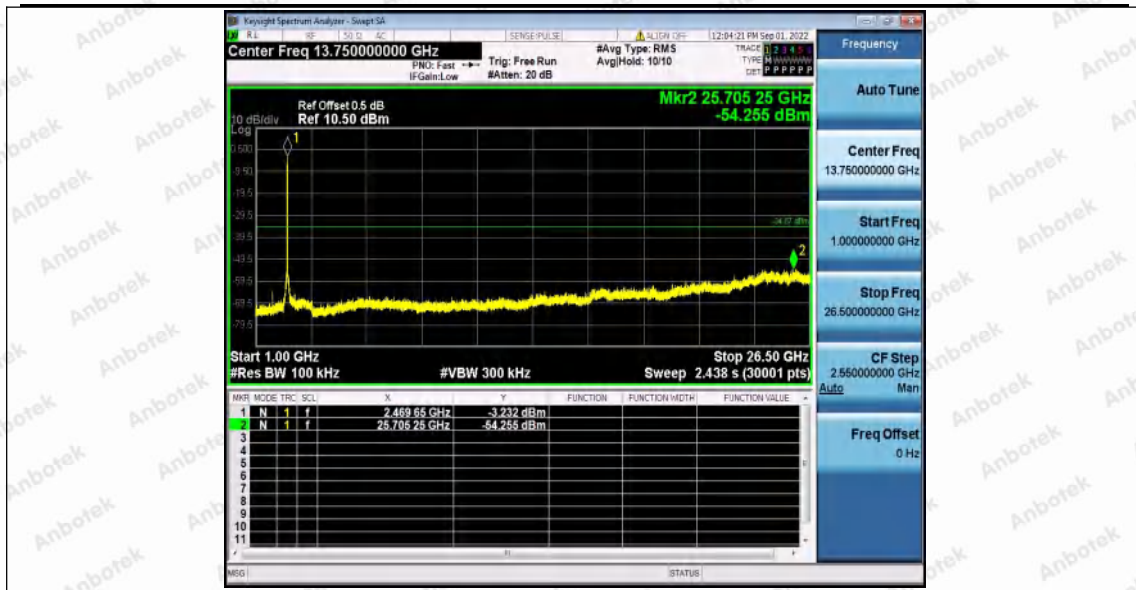
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Appendix G: Duty Cycle

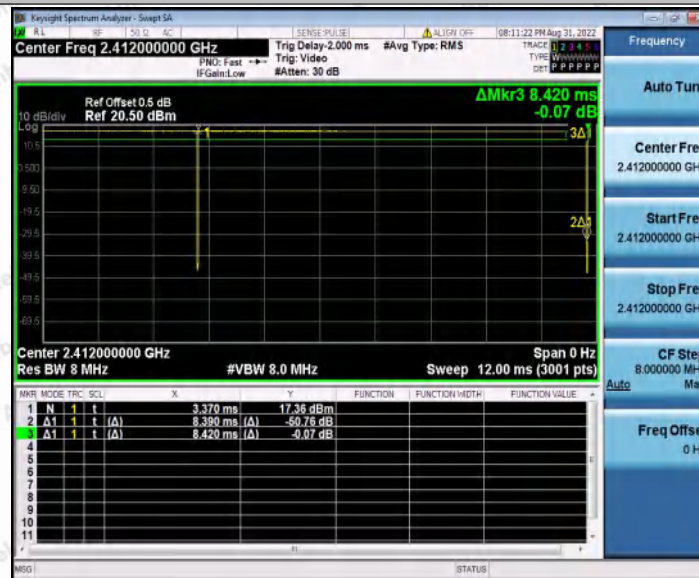
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.39	8.42	99.64	0.02
		2437	8.38	8.41	99.64	0.02
		2462	8.39	8.42	99.64	0.02
11G	Ant1	2412	1.39	1.43	97.20	0.12
		2437	1.39	1.43	97.20	0.12
		2462	1.39	1.43	97.20	0.12
11N20SISO	Ant1	2412	1.30	1.34	97.01	0.13
		2437	1.30	1.34	97.01	0.13
		2462	1.30	1.33	97.74	0.10

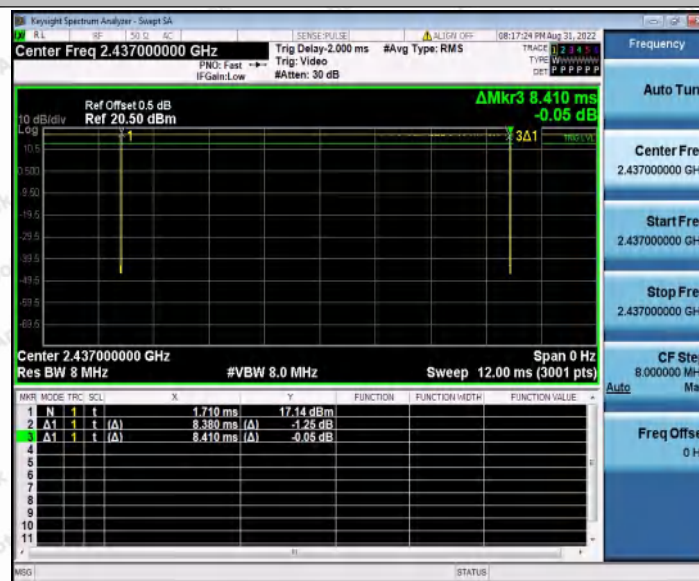


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

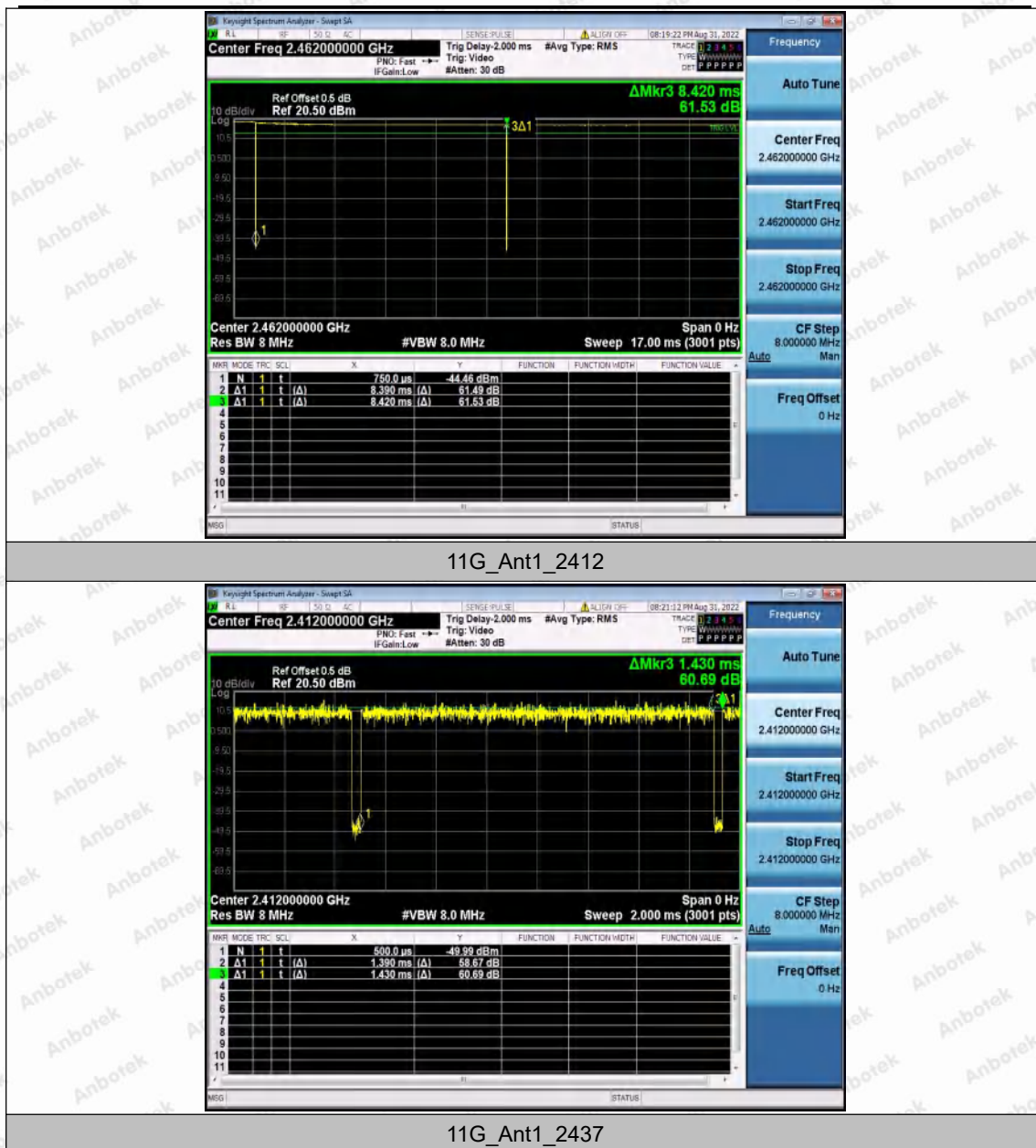
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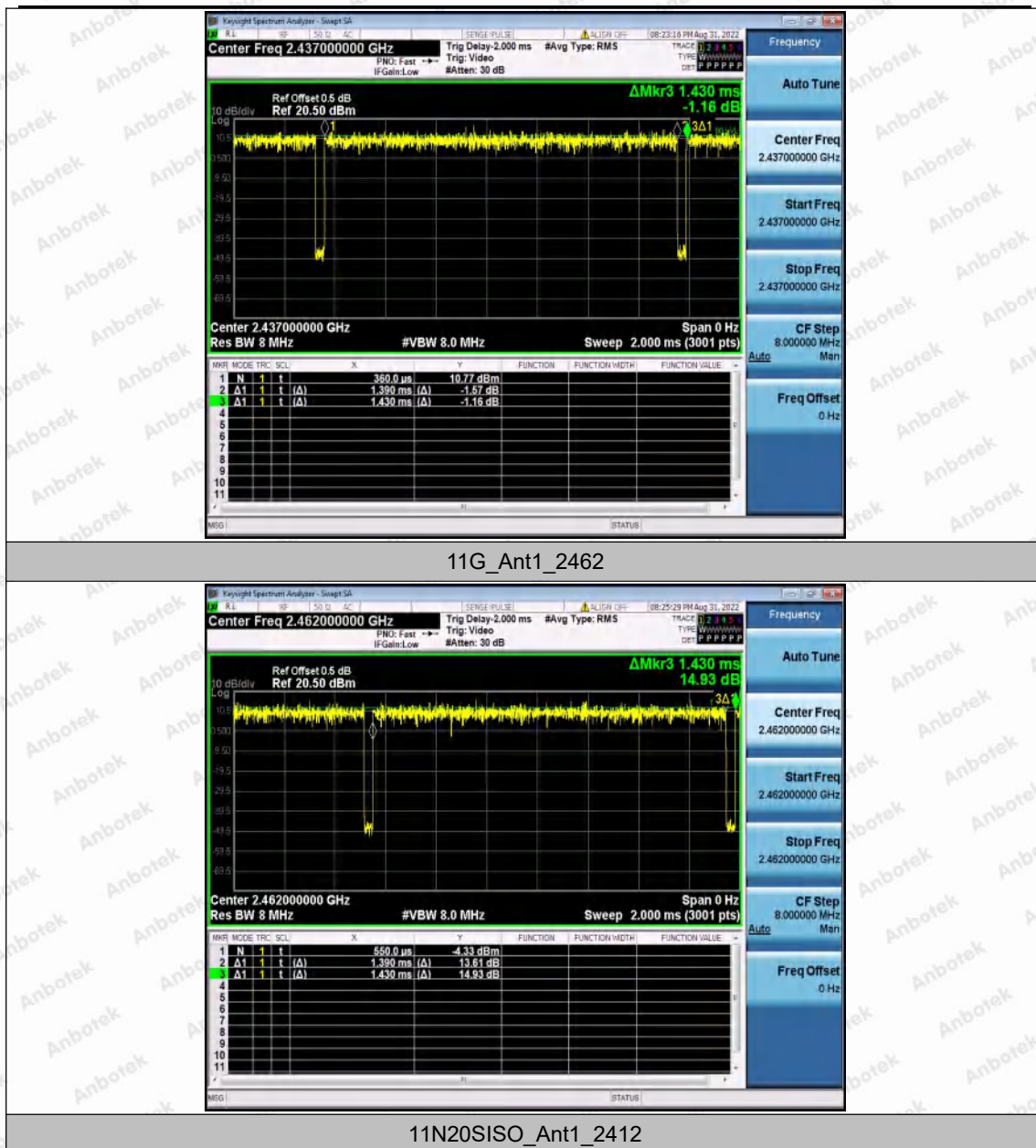
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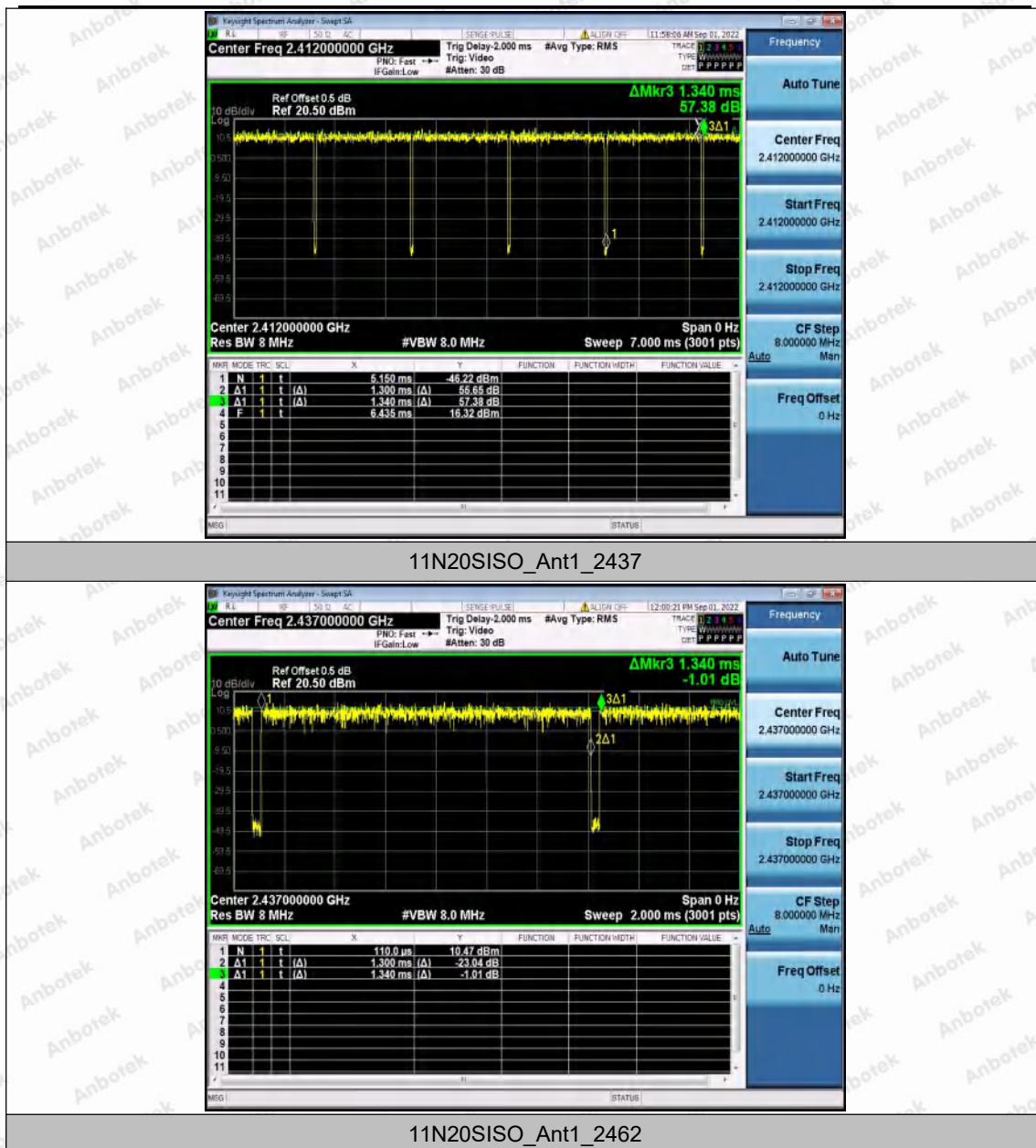
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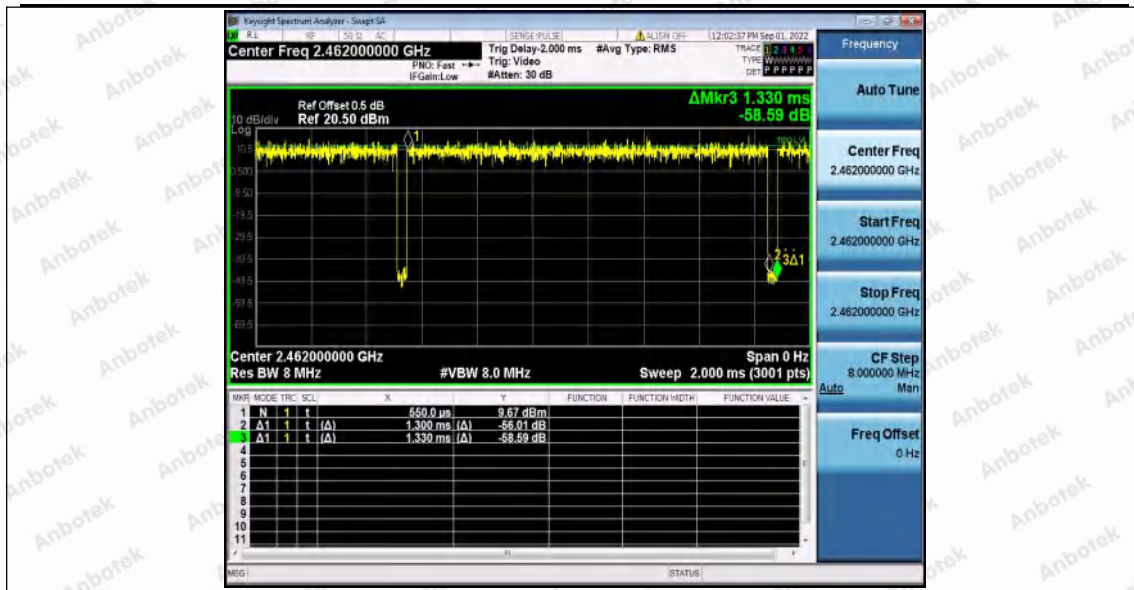
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