

Appendix Test Data

Report No.:	18220WC10107001	Test Date:	2021.7.20
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.120	2407.920	2416.040	>=0.5	PASS
		2437	9.120	2432.440	2441.560	>=0.5	PASS
		2462	8.160	2457.920	2466.080	>=0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	>=0.5	PASS
		2437	16.480	2428.760	2445.240	>=0.5	PASS
		2462	16.400	2453.800	2470.200	>=0.5	PASS
11N20	Ant1	2412	17.680	2403.160	2420.840	>=0.5	PASS
		2437	17.680	2428.160	2445.840	>=0.5	PASS
		2462	17.440	2453.030	2470.470	>=0.5	PASS

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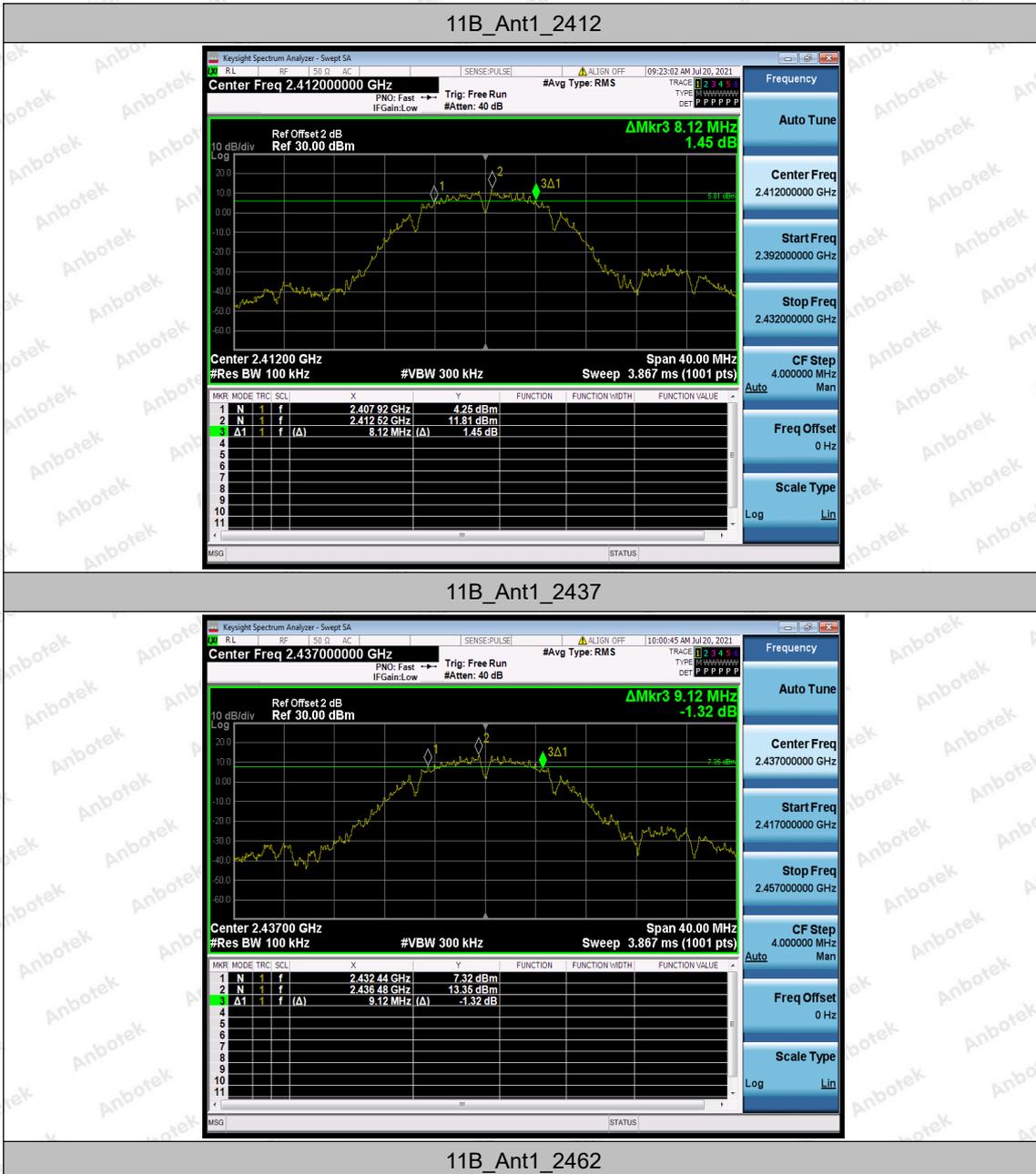


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Test Graphs





11G_Ant1_2412



11G_Ant1_2437



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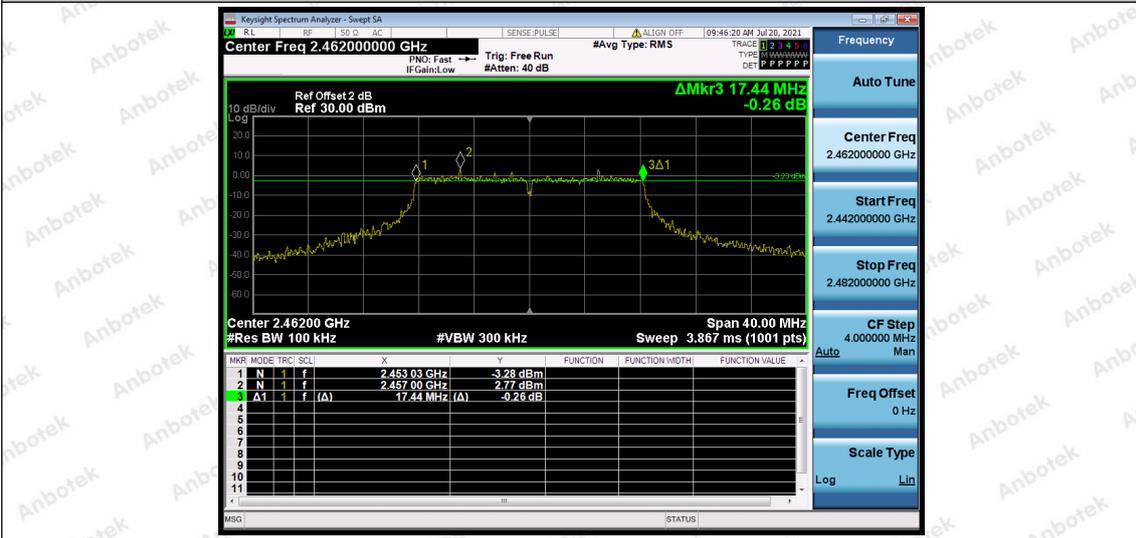
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11N20_Ant1_2462



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.913	2405.570	2418.483	---	PASS
		2437	13.403	2430.325	2443.728	---	PASS
		2462	12.934	2455.527	2468.461	---	PASS
11G	Ant1	2412	17.139	2403.499	2420.638	---	PASS
		2437	17.213	2428.462	2445.675	---	PASS
		2462	17.240	2453.398	2470.638	---	PASS
11N20	Ant1	2412	18.079	2402.970	2421.049	---	PASS
		2437	18.088	2427.978	2446.066	---	PASS
		2462	17.972	2453.033	2471.005	---	PASS

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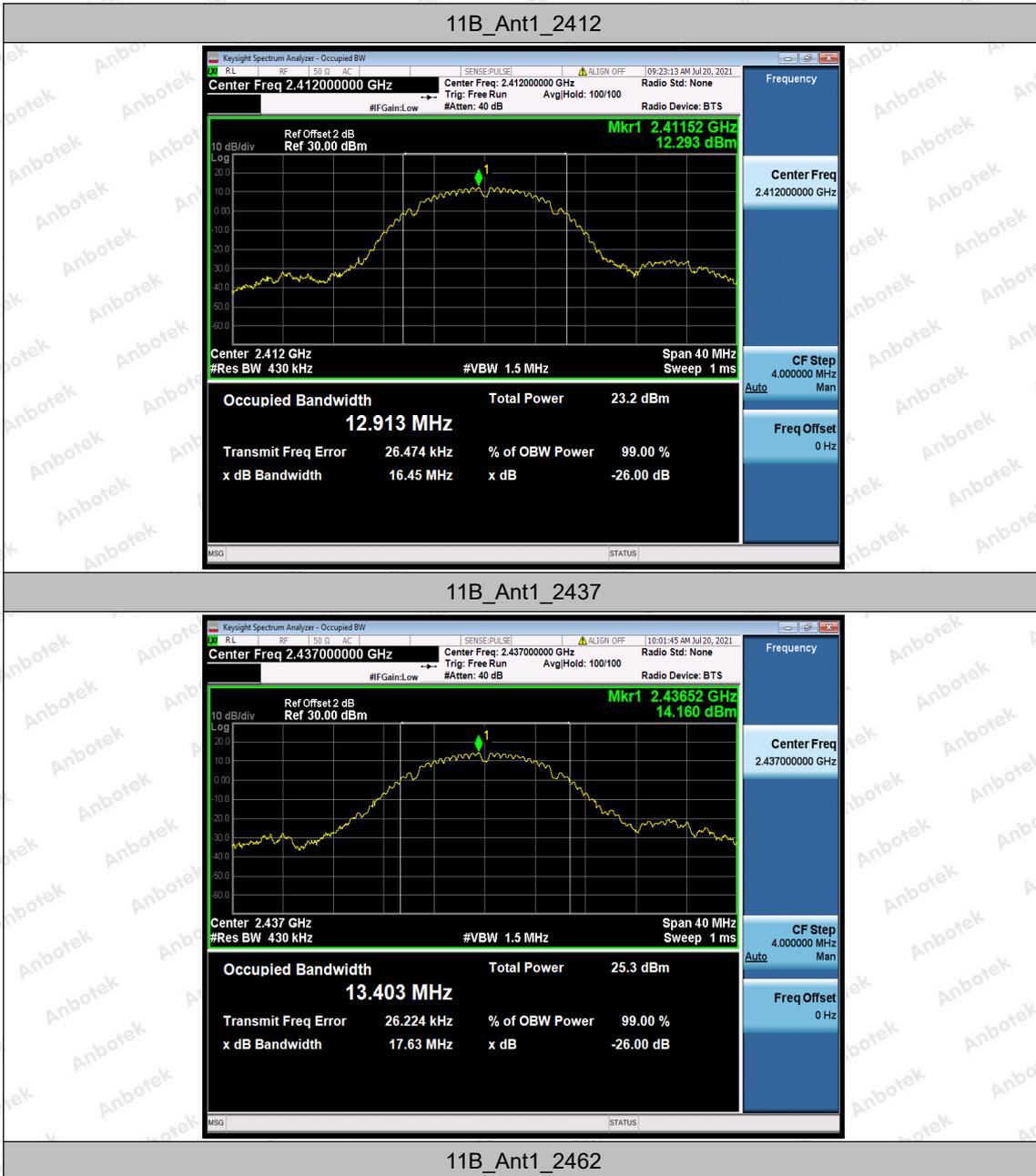


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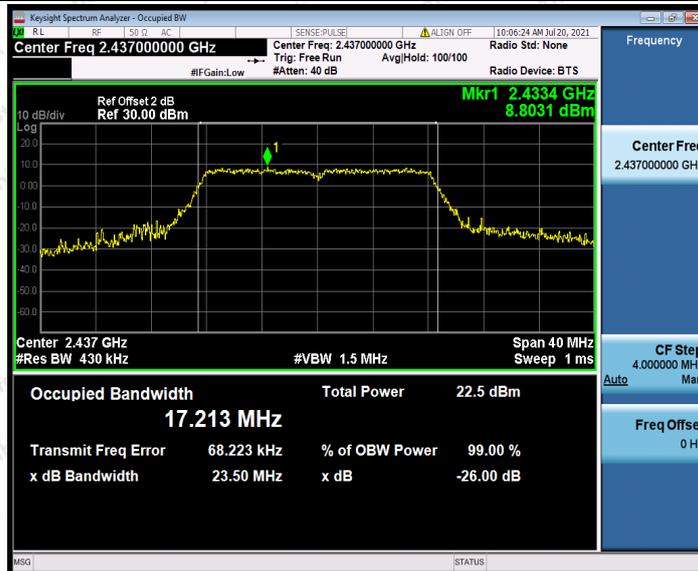
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11G_Ant1_2412



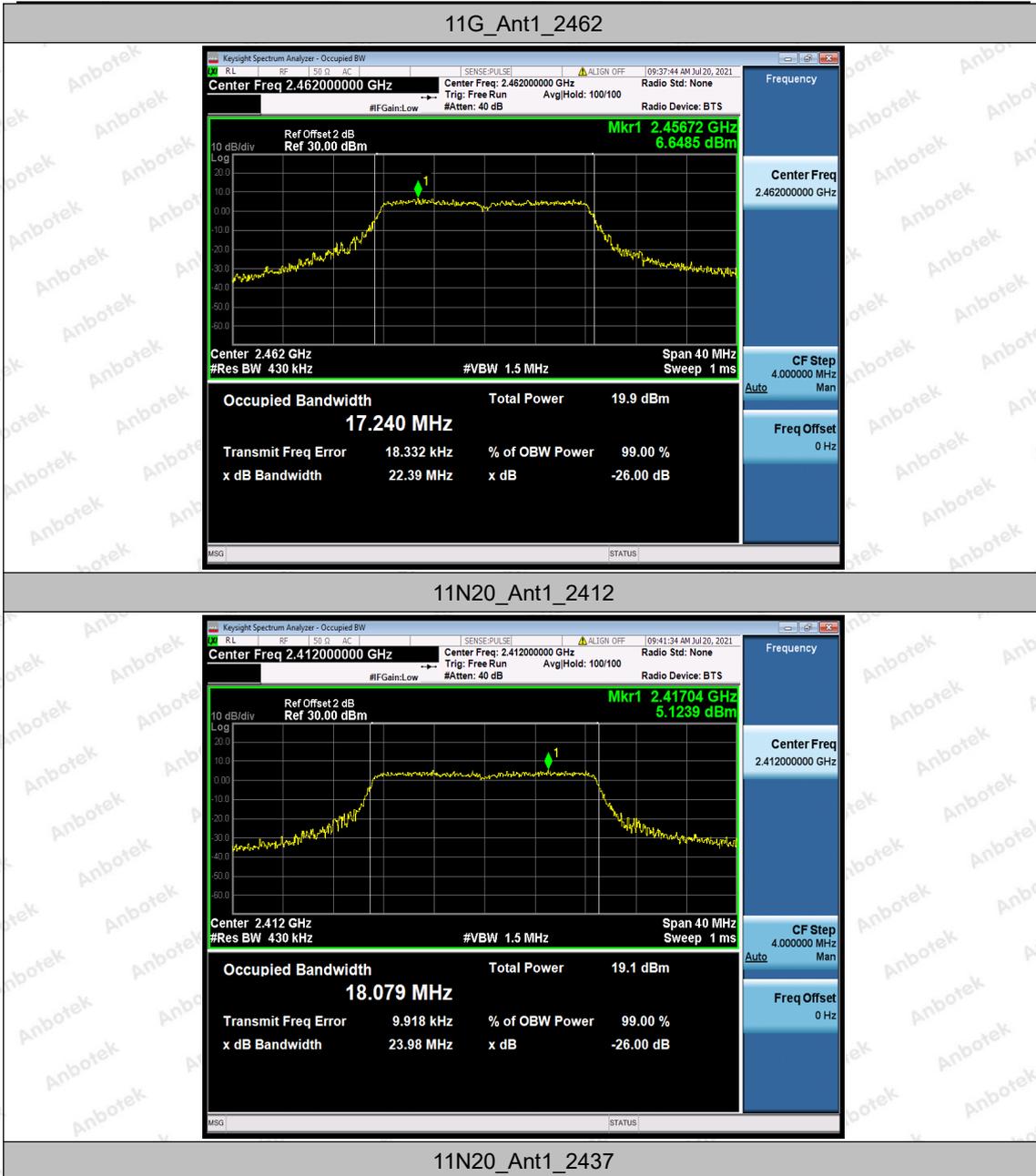
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	23.22	<=30	PASS
		2437	25.22	<=30	PASS
		2462	23.06	<=30	PASS
11G	Ant1	2412	21.80	<=30	PASS
		2437	23.81	<=30	PASS
		2462	20.98	<=30	PASS
11N20	Ant1	2412	20.18	<=30	PASS
		2437	23.24	<=30	PASS
		2462	19.91	<=30	PASS

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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	3.09	<=8	PASS
		2437	4.98	<=8	PASS
		2462	2.22	<=8	PASS
11G	Ant1	2412	-6.06	<=8	PASS
		2437	-2.63	<=8	PASS
		2462	-6.1	<=8	PASS
11N20	Ant1	2412	-6.41	<=8	PASS
		2437	-3.14	<=8	PASS
		2462	-7.01	<=8	PASS

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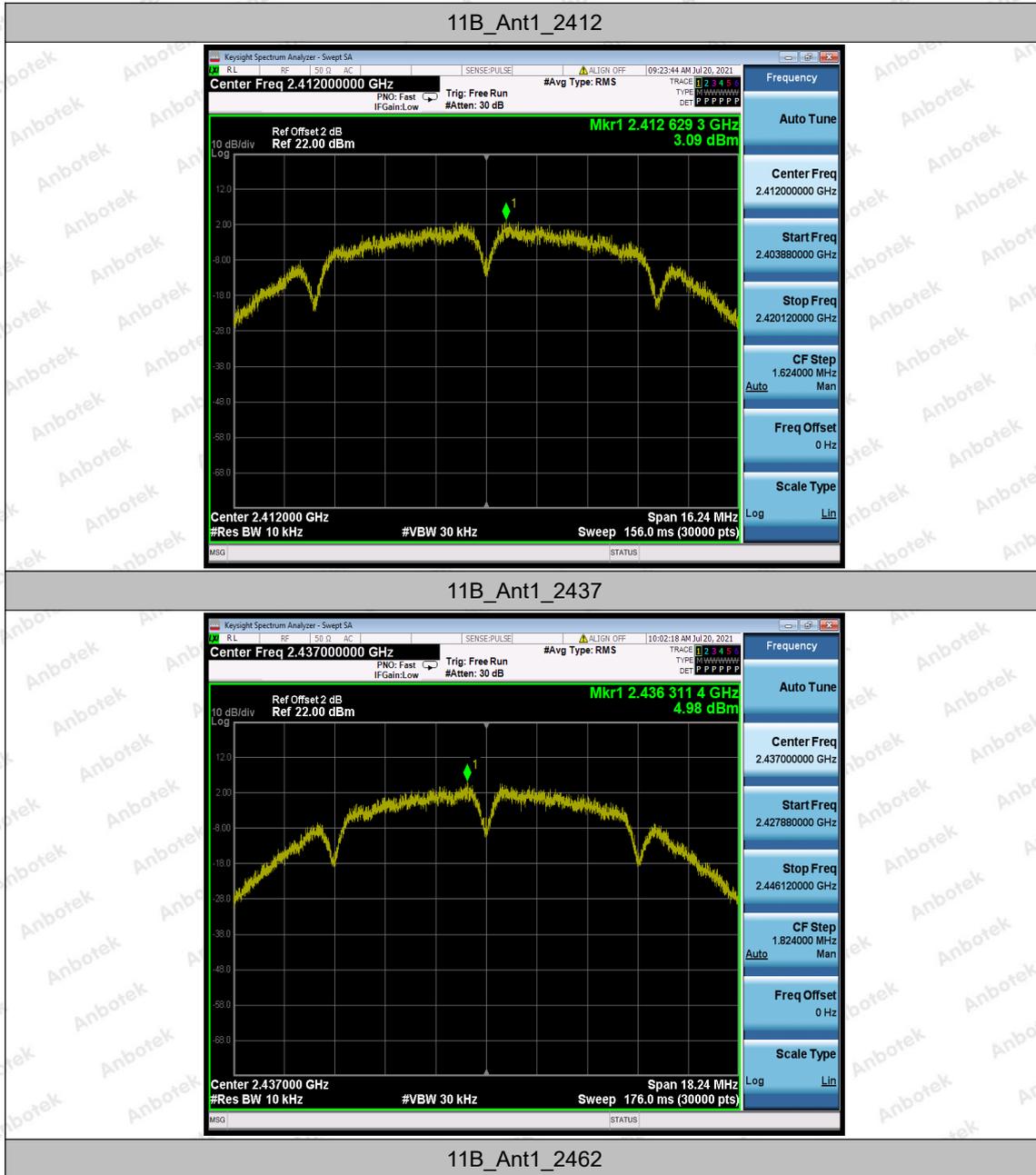


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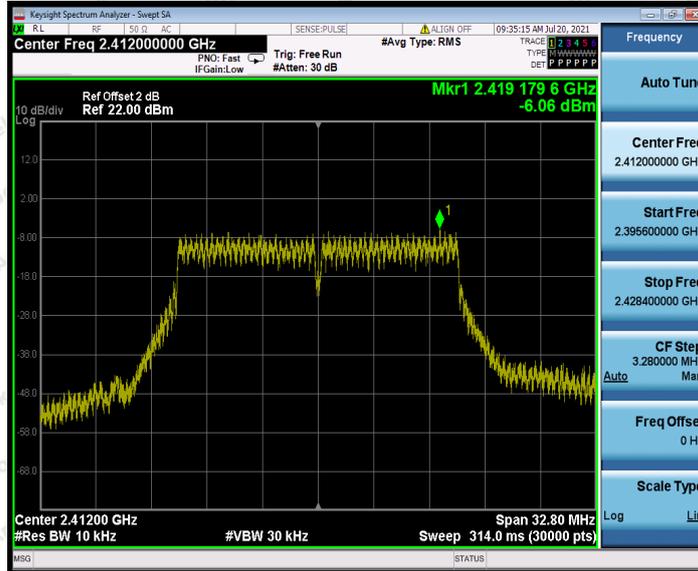
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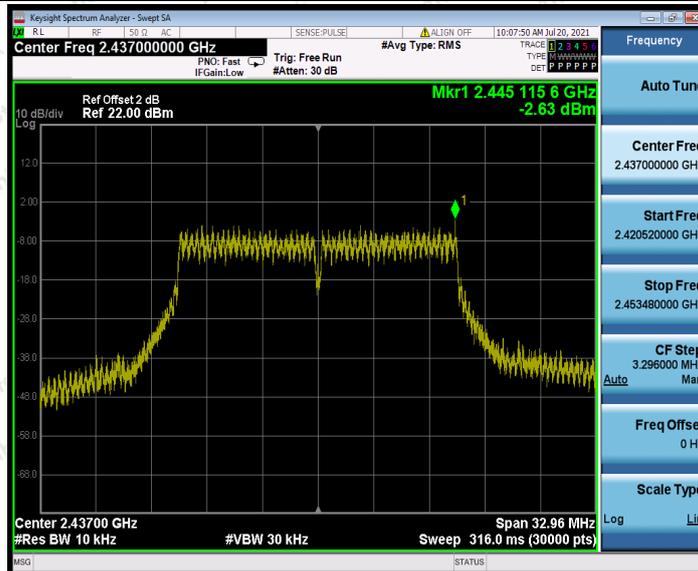
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11G_Ant1_2412



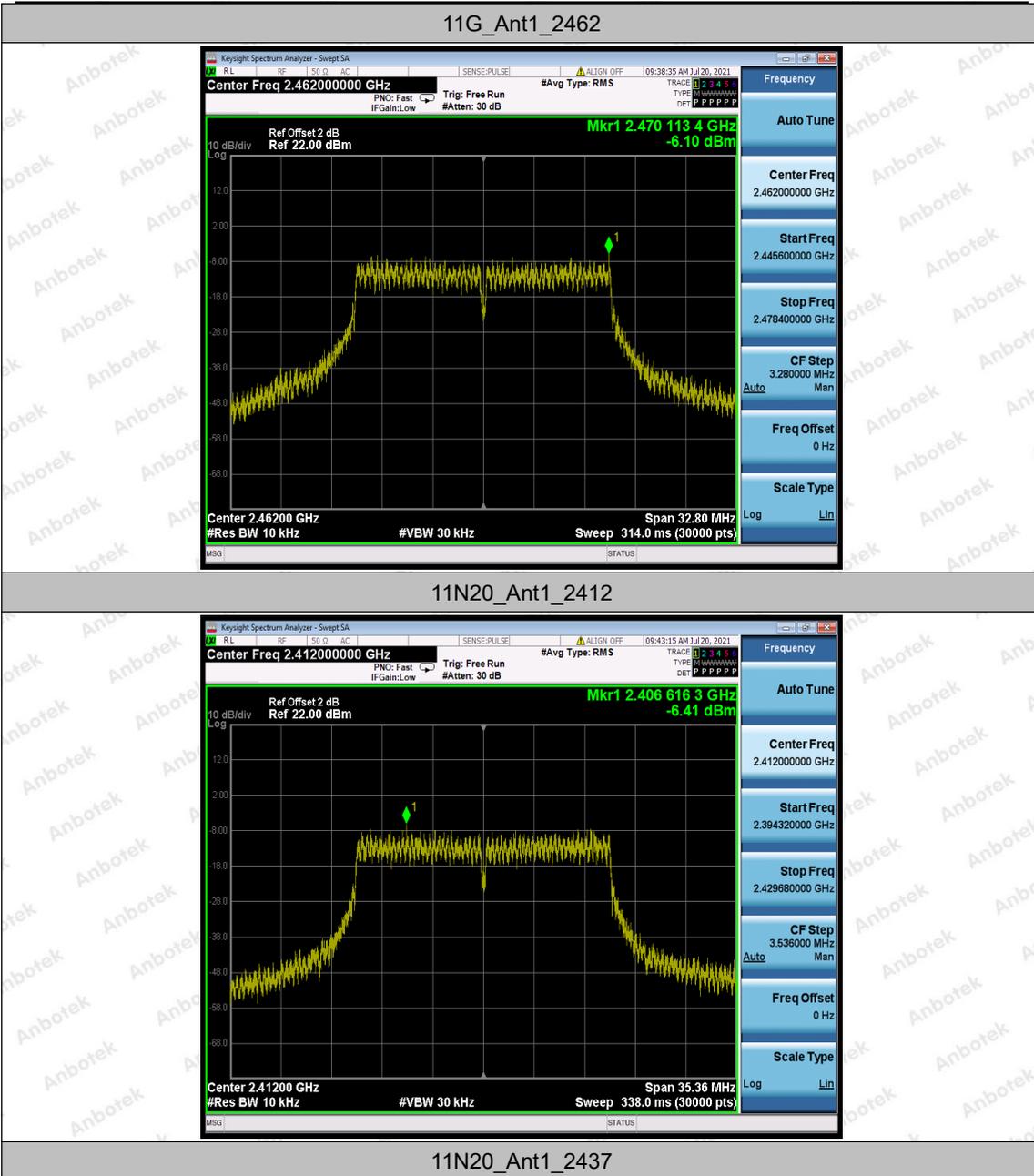
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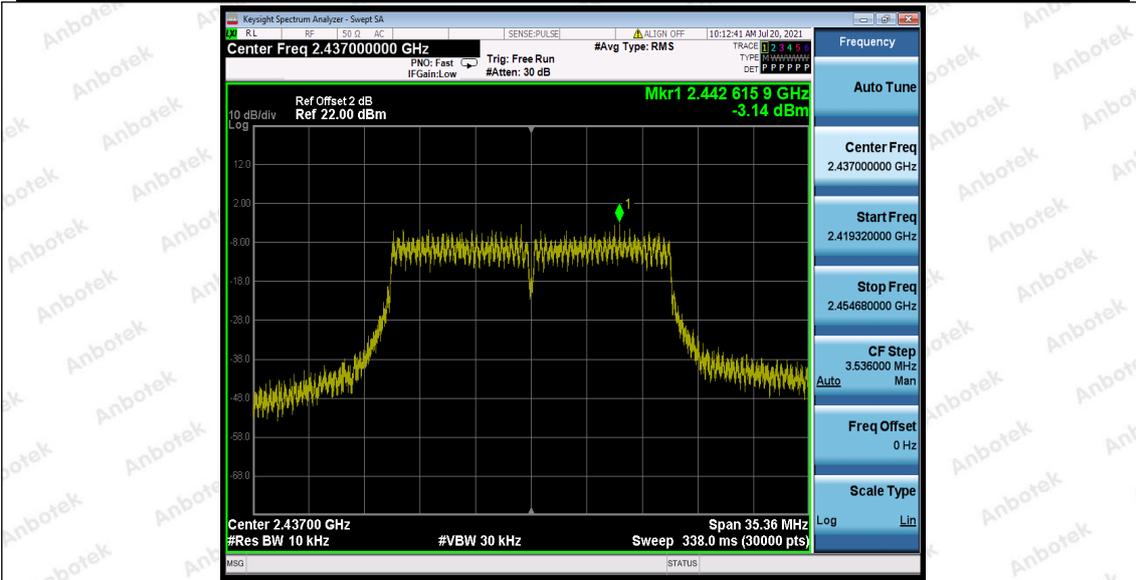
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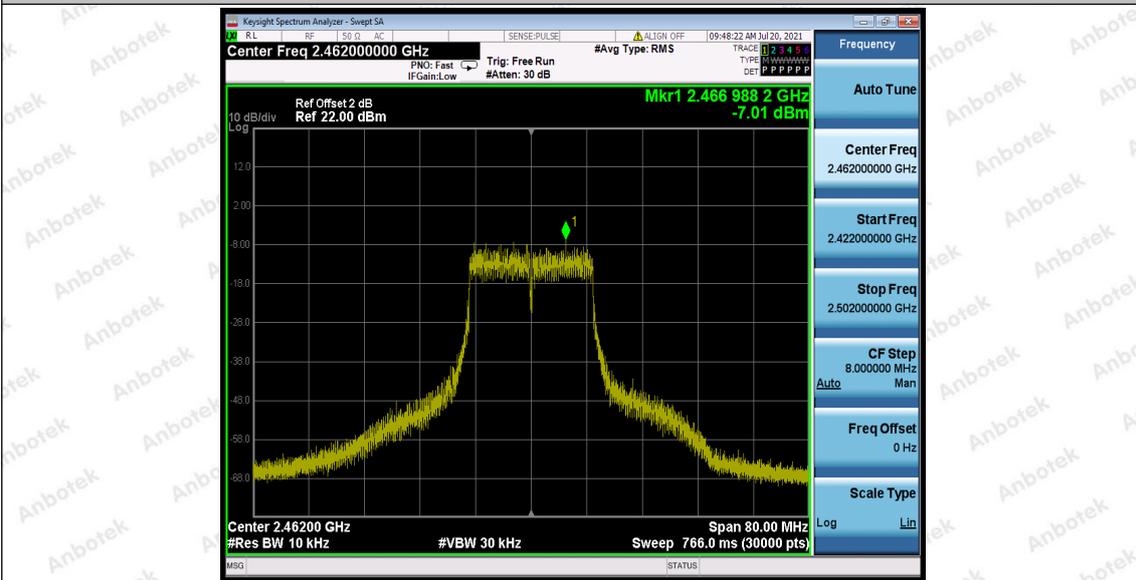
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11N20_Ant1_2462



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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	11.87	-35.29	<=-8.14	PASS
		High	2462	11.58	-45.31	<=-8.42	PASS
11G	Ant1	Low	2412	3.27	-32.98	<=-16.73	PASS
		High	2462	2.78	-40.38	<=-17.22	PASS
11N20	Ant1	Low	2412	1.81	-30.9	<=-18.19	PASS
		High	2462	1.50	-40.26	<=-18.5	PASS

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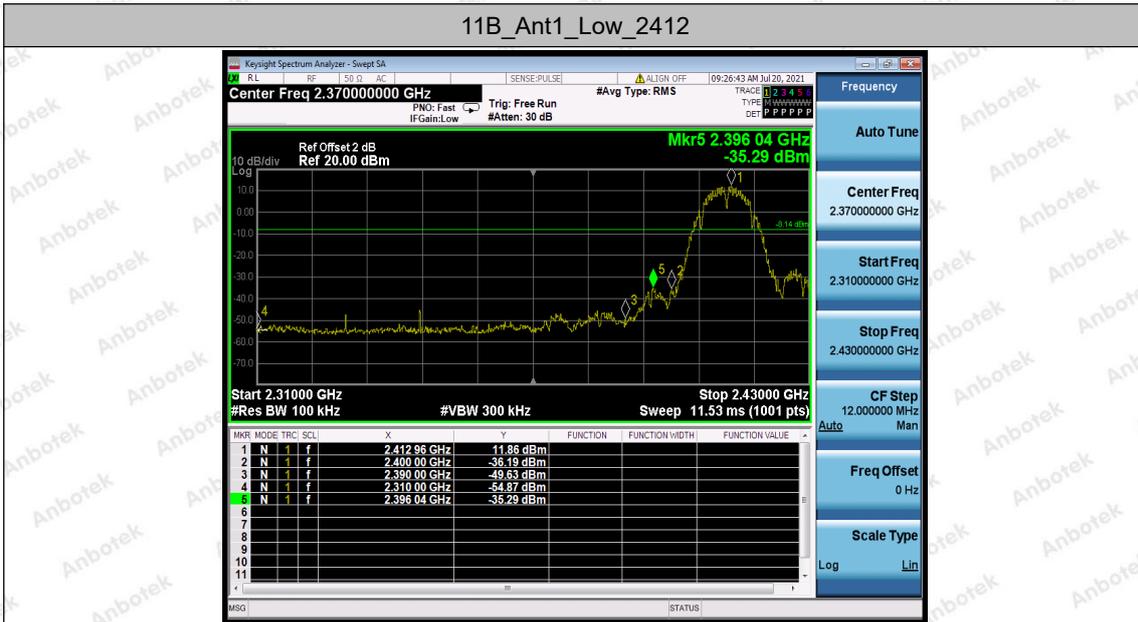


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Test Graphs



11G_Ant1_Low_2412

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11G_Ant1_High_2462



11N20_Ant1_Low_2412

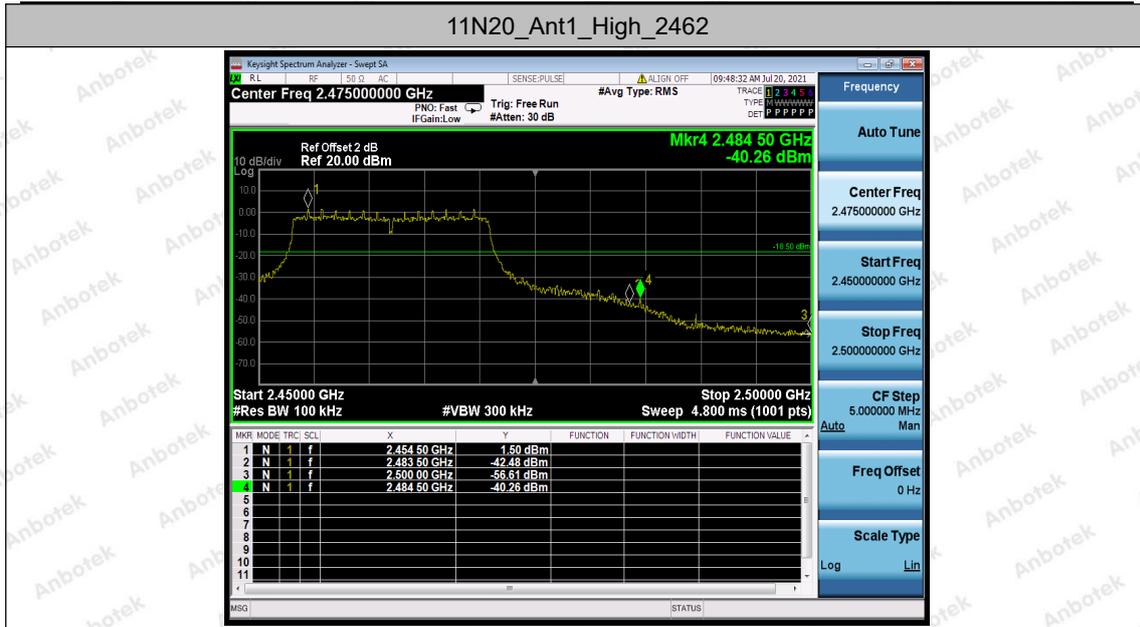


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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	11.69	11.69	---	PASS
			30~1000	11.69	-67.83	<=-8.31	PASS
			1000~26500	11.69	-45.34	<=-8.31	PASS
		2437	Reference	13.74	13.74	---	PASS
			30~1000	13.74	-67.45	<=-6.26	PASS
			1000~26500	13.74	-43.63	<=-6.26	PASS
		2462	Reference	11.64	11.64	---	PASS
			30~1000	11.64	-67.35	<=-8.36	PASS
			1000~26500	11.64	-42.62	<=-8.36	PASS
11G	Ant1	2412	Reference	3.29	3.29	---	PASS
			30~1000	3.29	-68.25	<=-16.71	PASS
			1000~26500	3.29	-44.59	<=-16.71	PASS
		2437	Reference	5.22	5.22	---	PASS
			30~1000	5.22	-68.26	<=-14.78	PASS
			1000~26500	5.22	-43.29	<=-14.78	PASS
		2462	Reference	2.74	2.74	---	PASS
			30~1000	2.74	-67.9	<=-17.26	PASS
			1000~26500	2.74	-43.62	<=-17.26	PASS
11N20	Ant1	2412	Reference	1.78	1.78	---	PASS
			30~1000	1.78	-68.1	<=-18.22	PASS
			1000~26500	1.78	-44.39	<=-18.22	PASS
		2437	Reference	4.85	4.85	---	PASS
			30~1000	4.85	-67.82	<=-15.15	PASS
			1000~26500	4.85	-43.93	<=-15.15	PASS
		2462	Reference	1.77	1.77	---	PASS
			30~1000	1.77	-67.55	<=-18.23	PASS
			1000~26500	1.77	-44.16	<=-18.23	PASS

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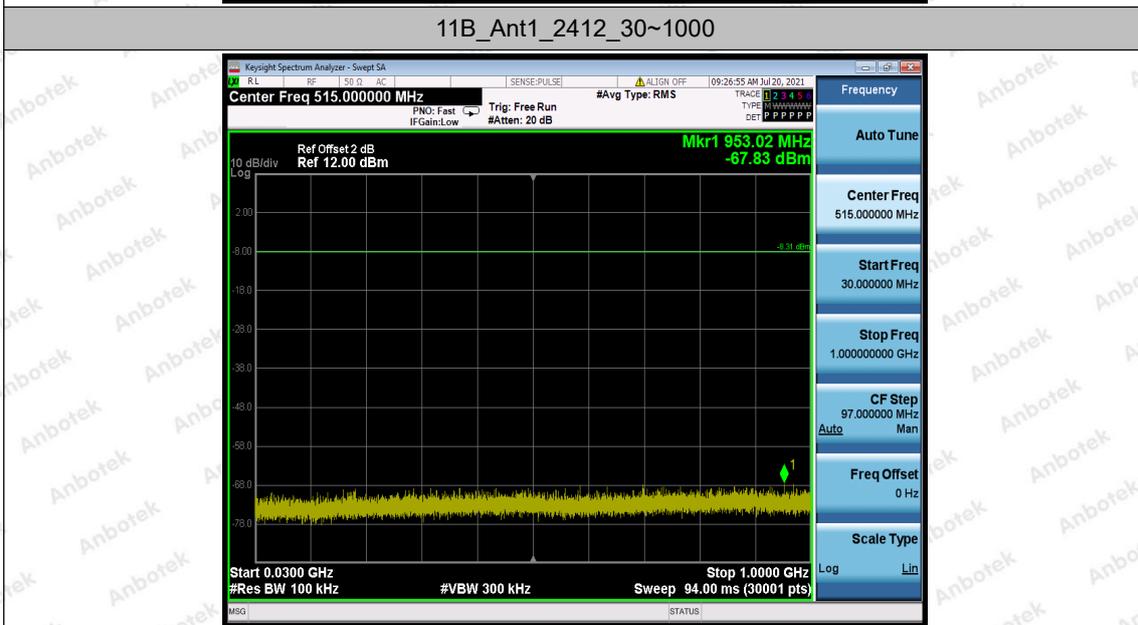
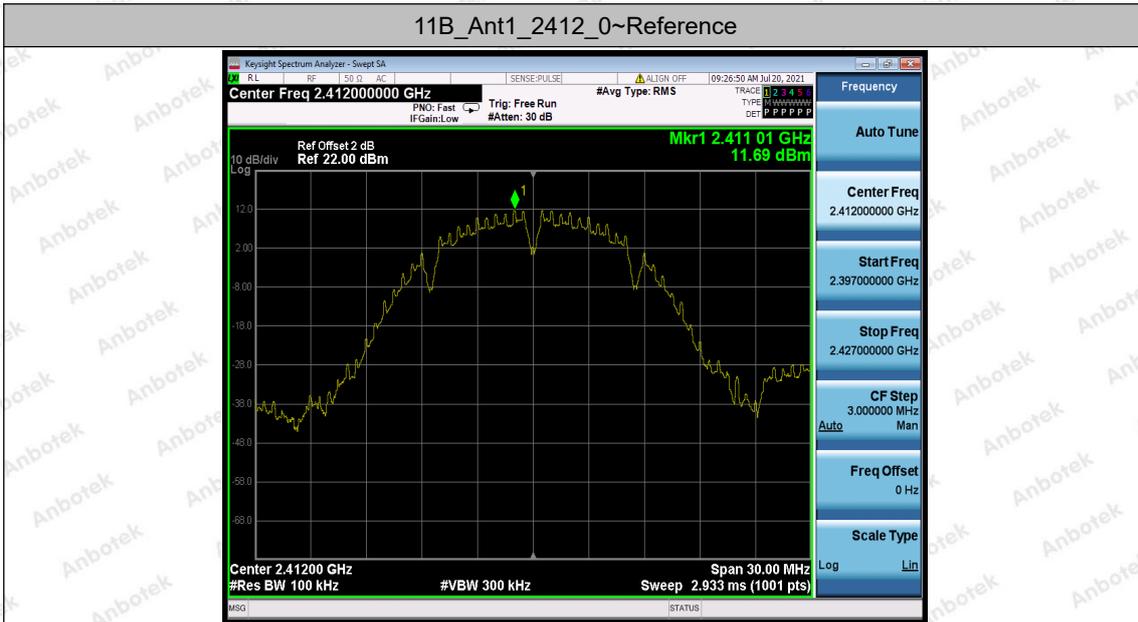


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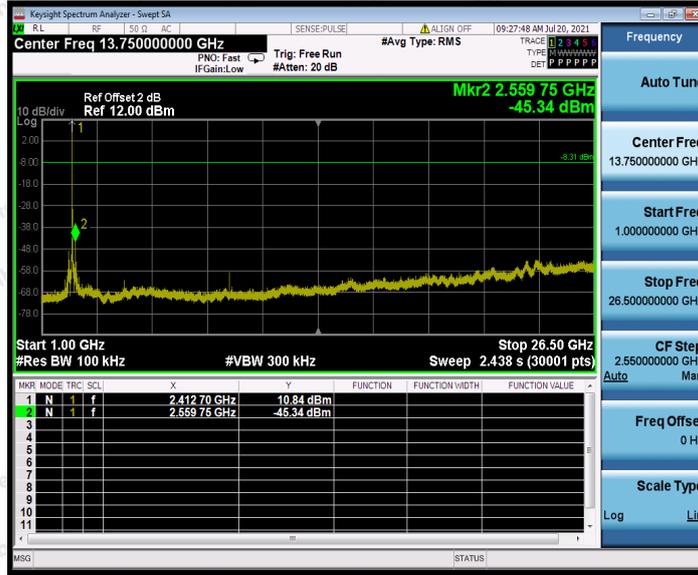


11B_Ant1_2412_1000~26500

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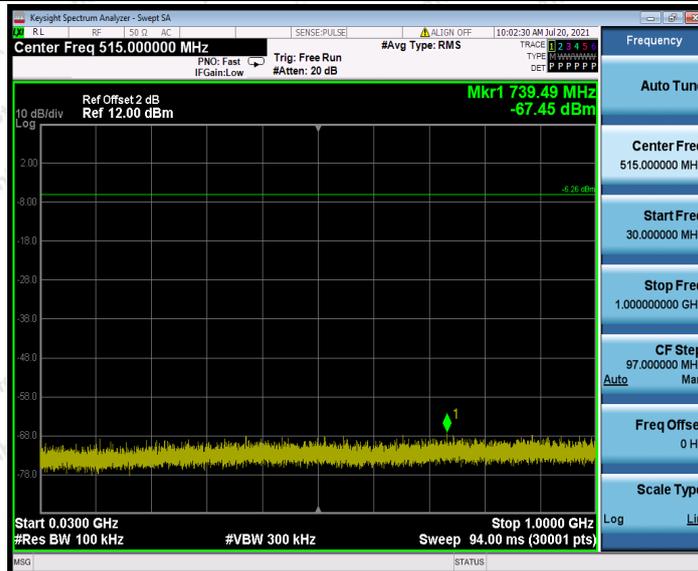
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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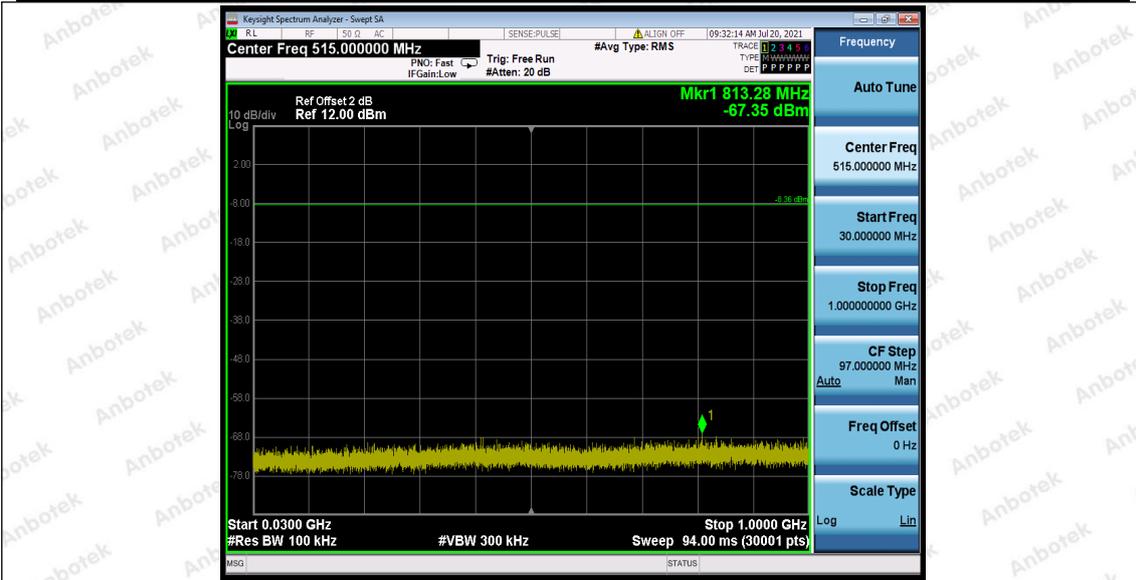
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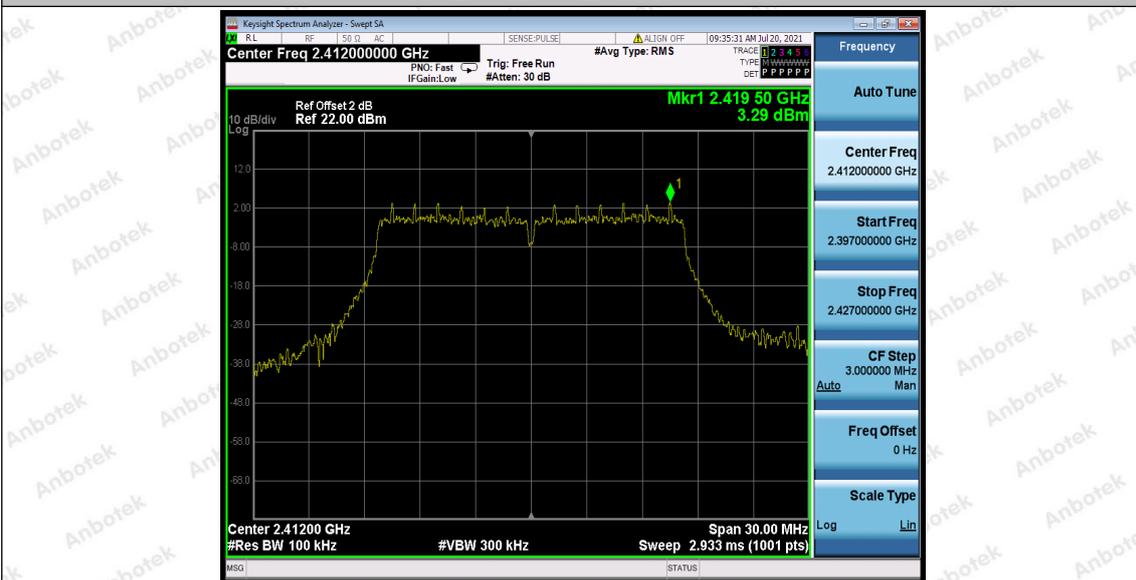
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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



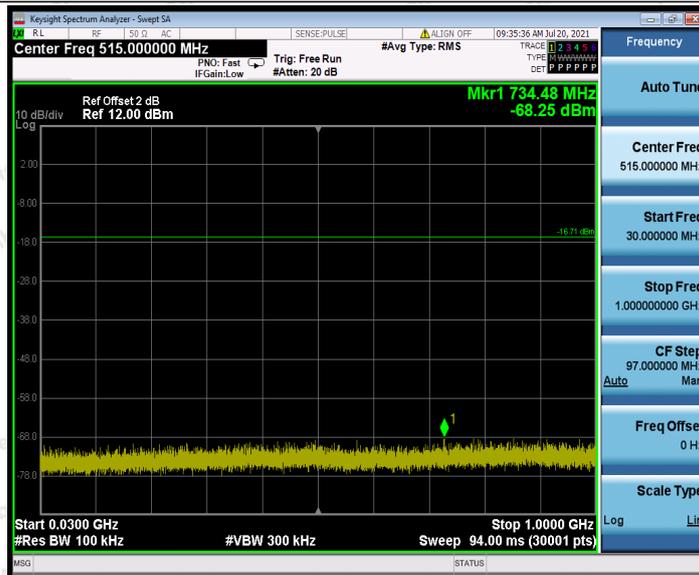
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

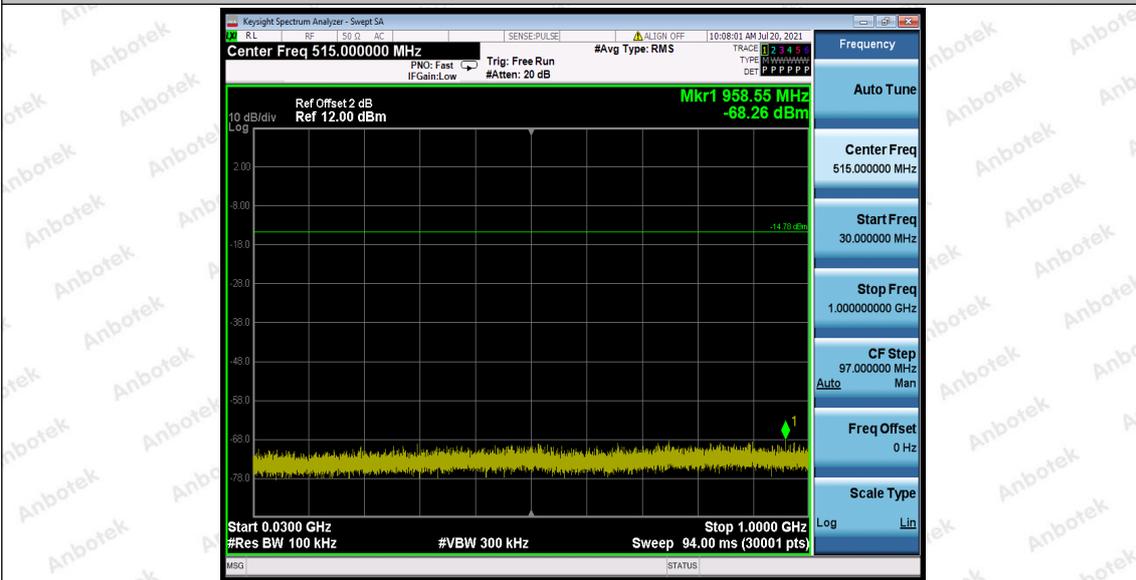
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

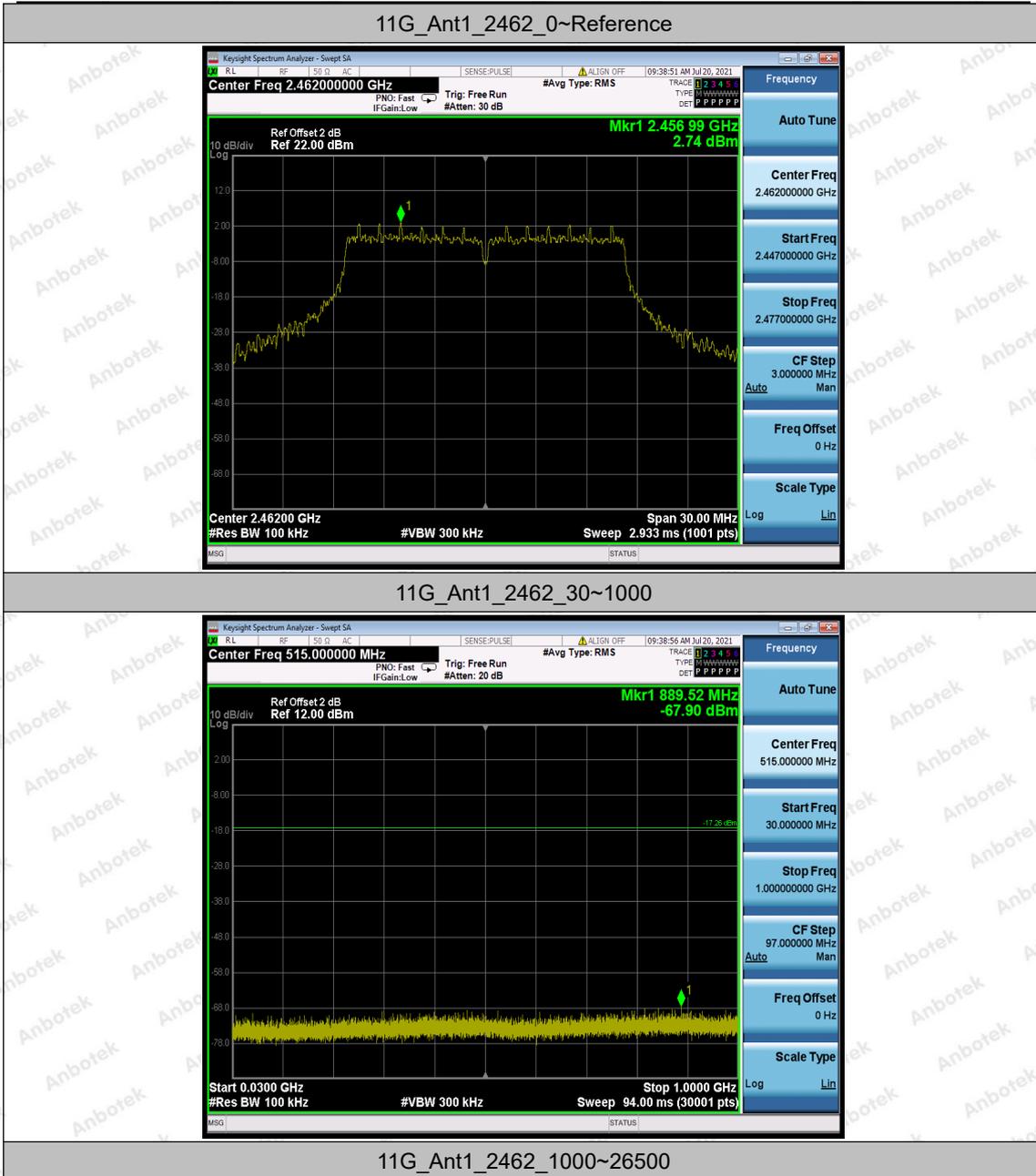


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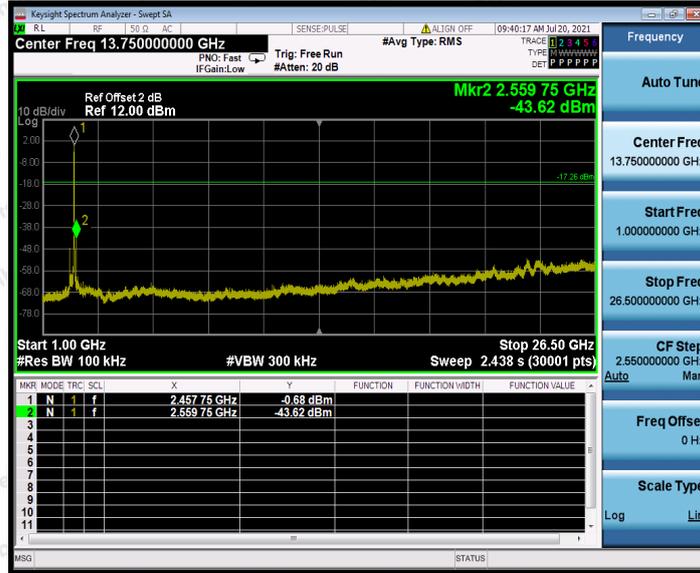
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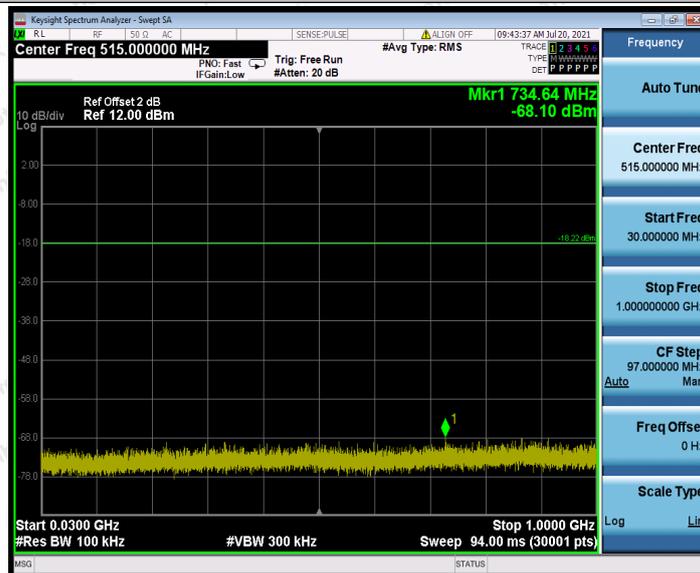
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000

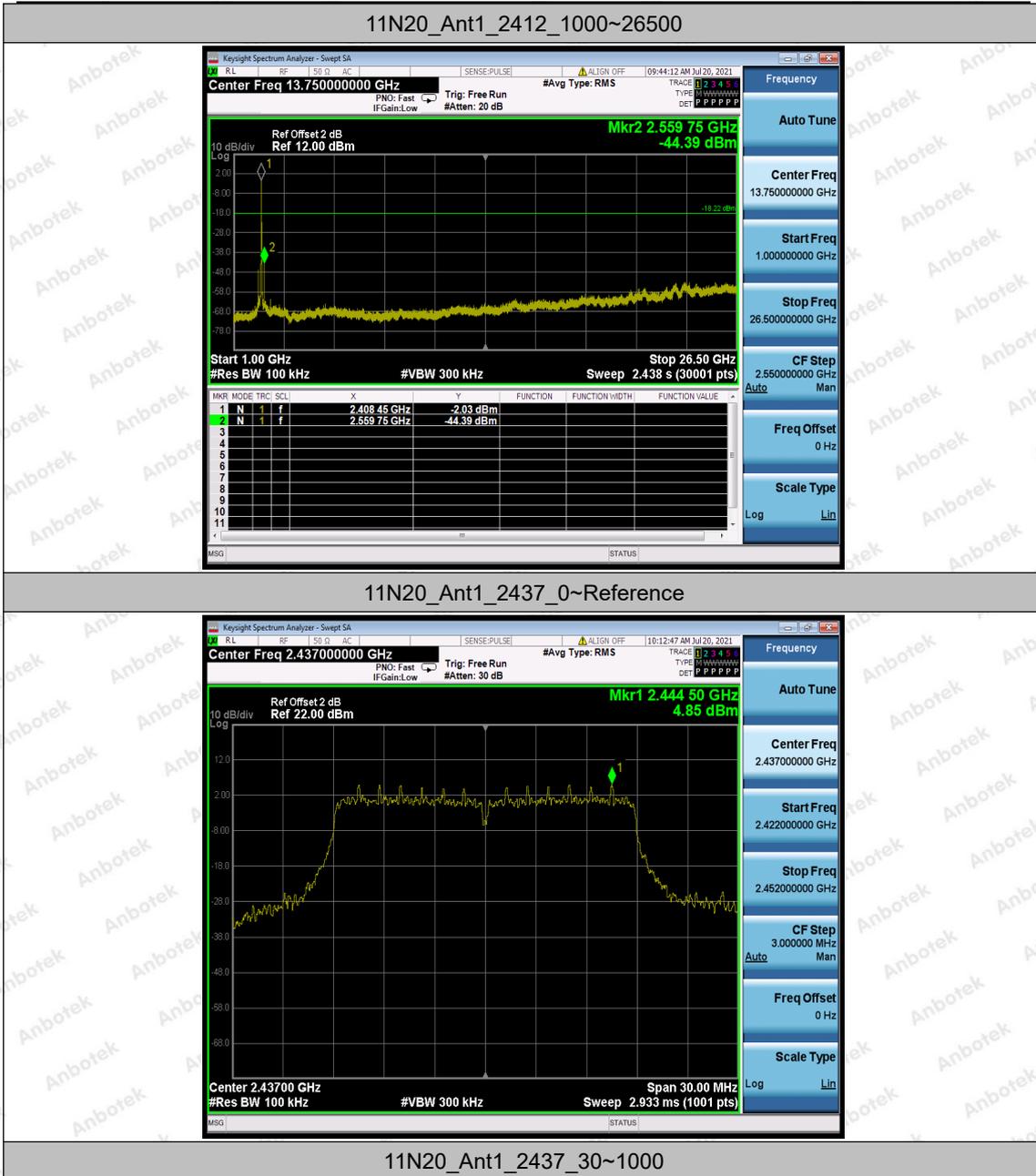


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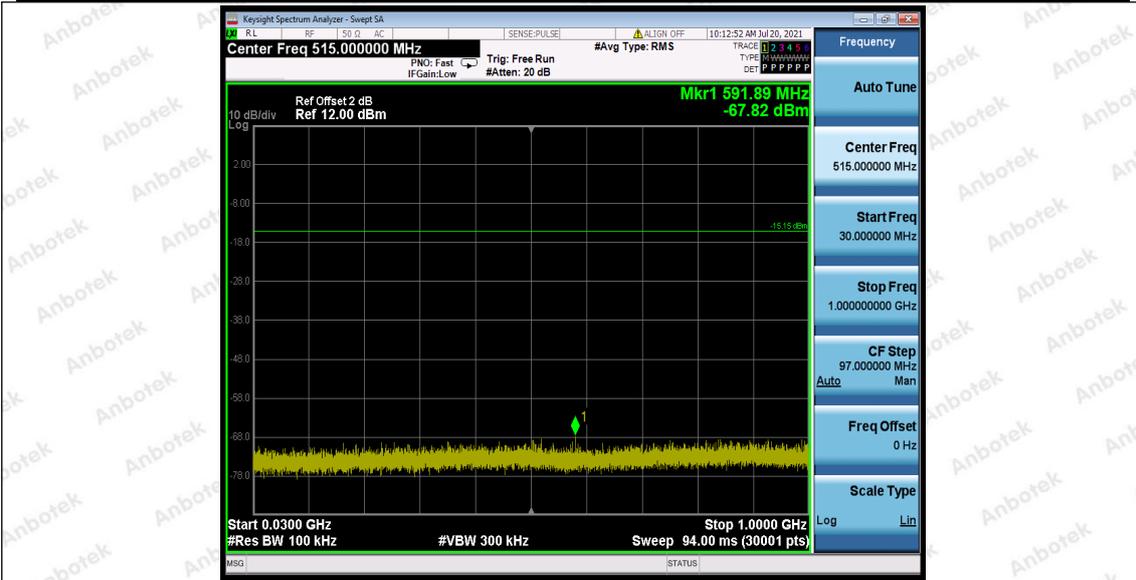
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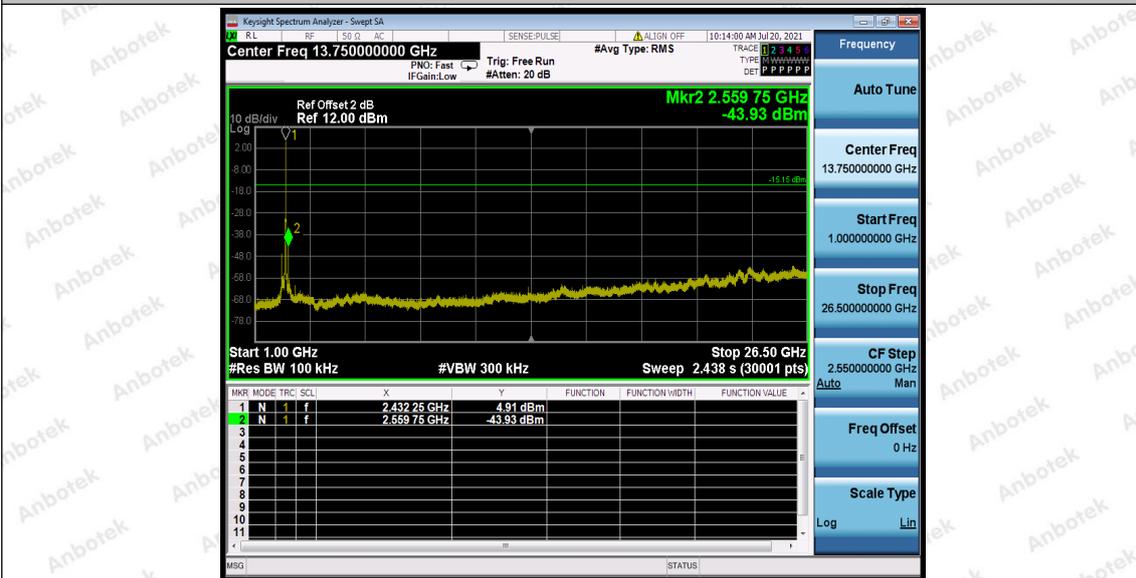
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11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference

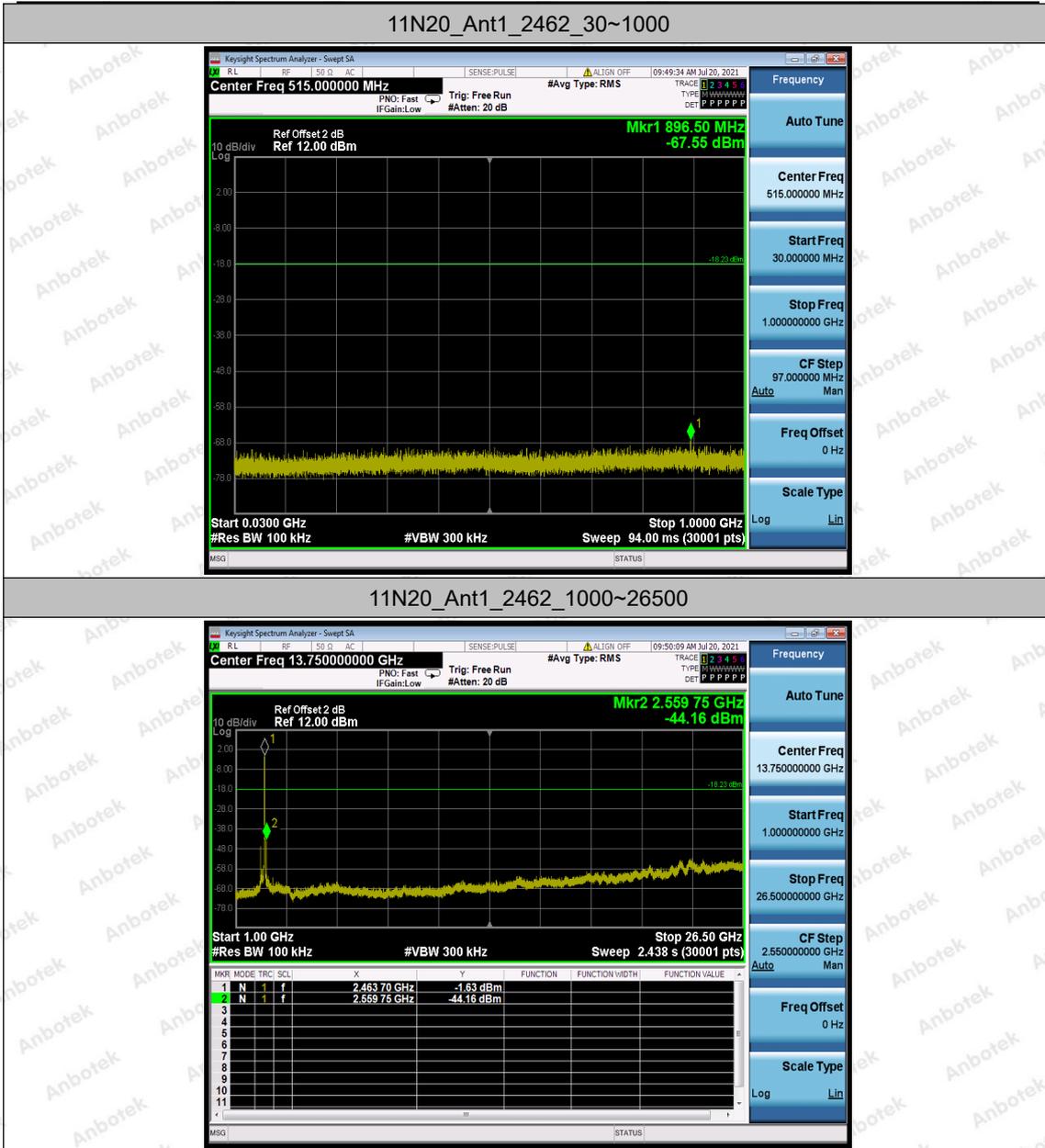


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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.65	96.88	---	PASS
		2437	8.38	8.65	96.88	---	PASS
		2462	8.38	8.65	96.88	---	PASS
11G	Ant1	2412	1.39	1.66	83.73	---	PASS
		2437	1.39	1.66	83.73	---	PASS
		2462	1.39	1.66	83.73	---	PASS
11N20	Ant1	2412	1.30	1.57	82.80	---	PASS
		2437	1.30	1.57	82.80	---	PASS
		2462	1.30	1.57	82.80	---	PASS

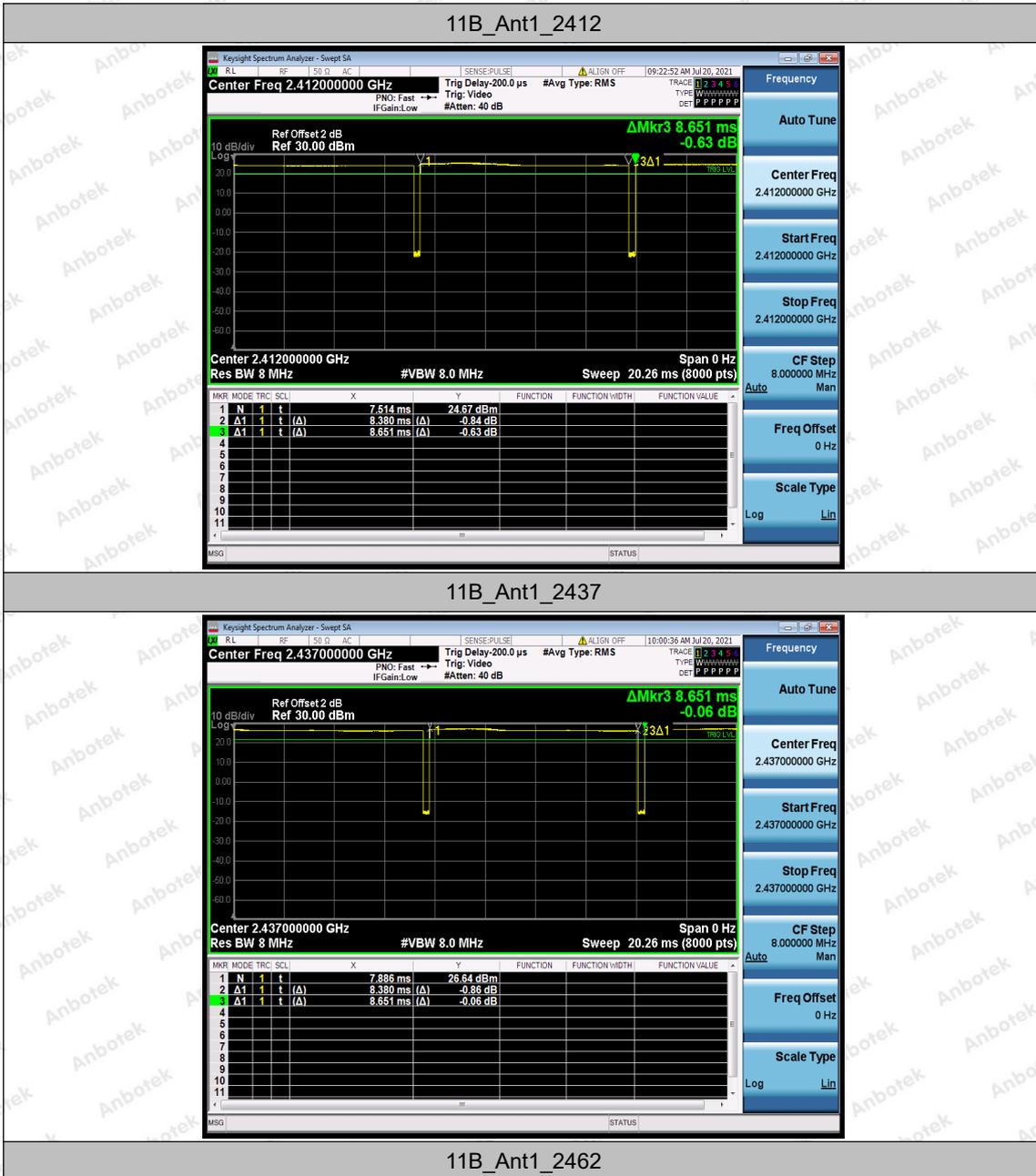
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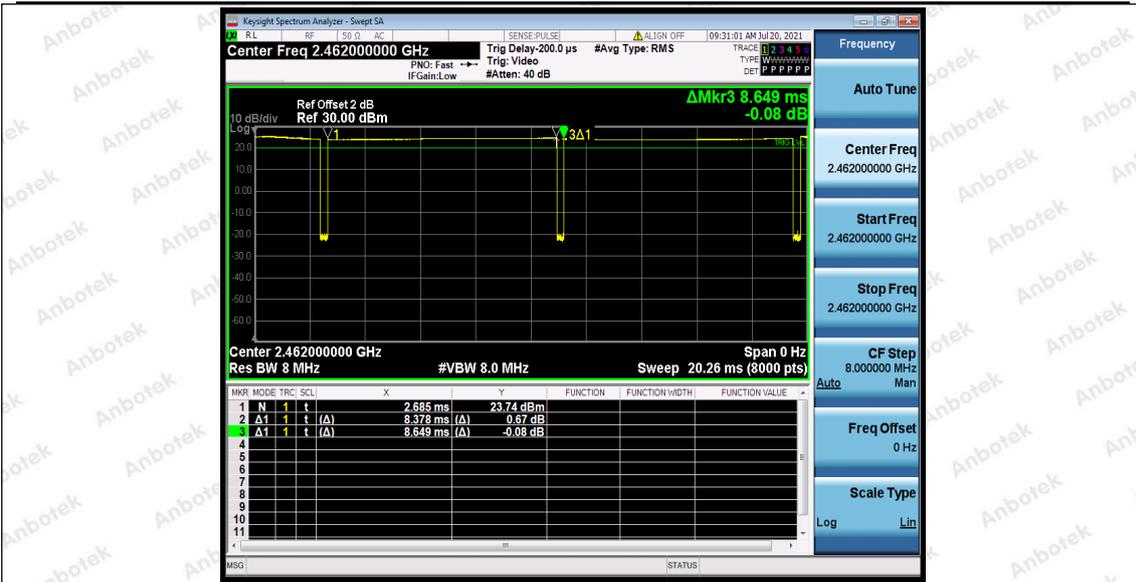
Test Graphs



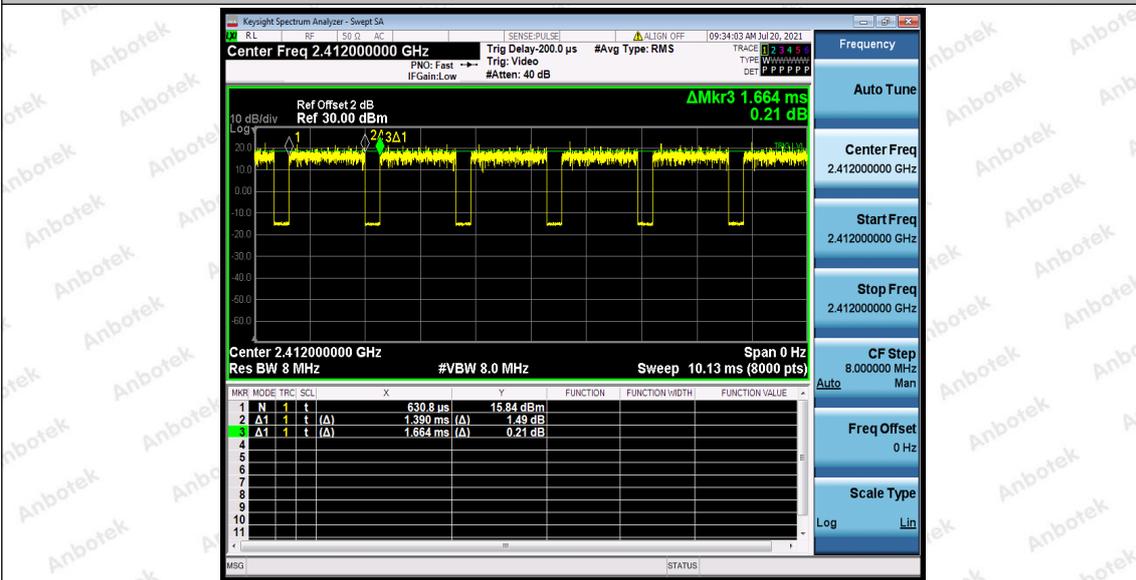
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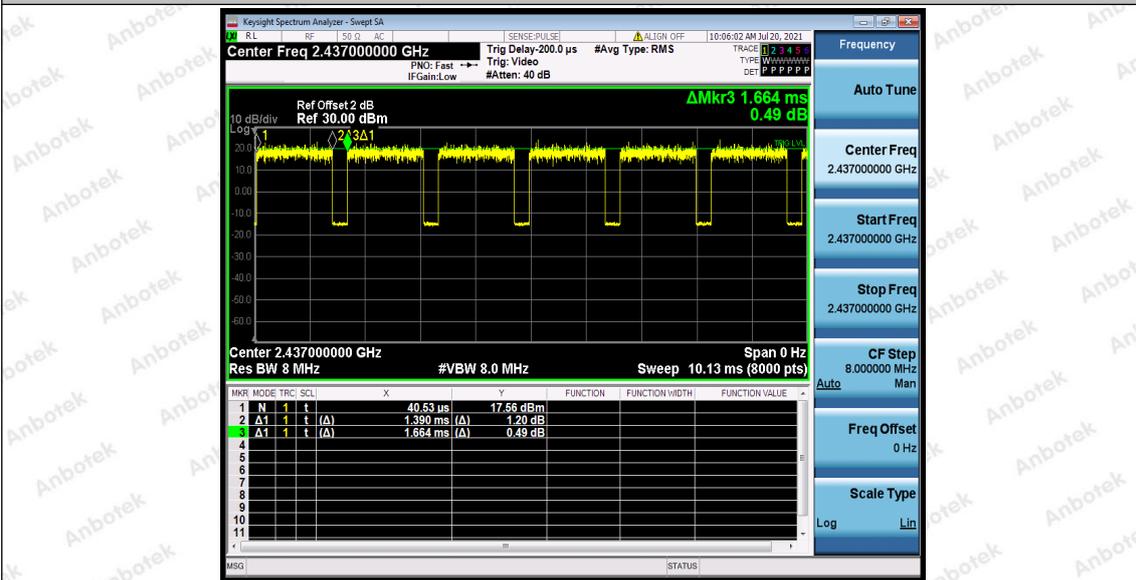
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11G_Ant1_2412



11G_Ant1_2437



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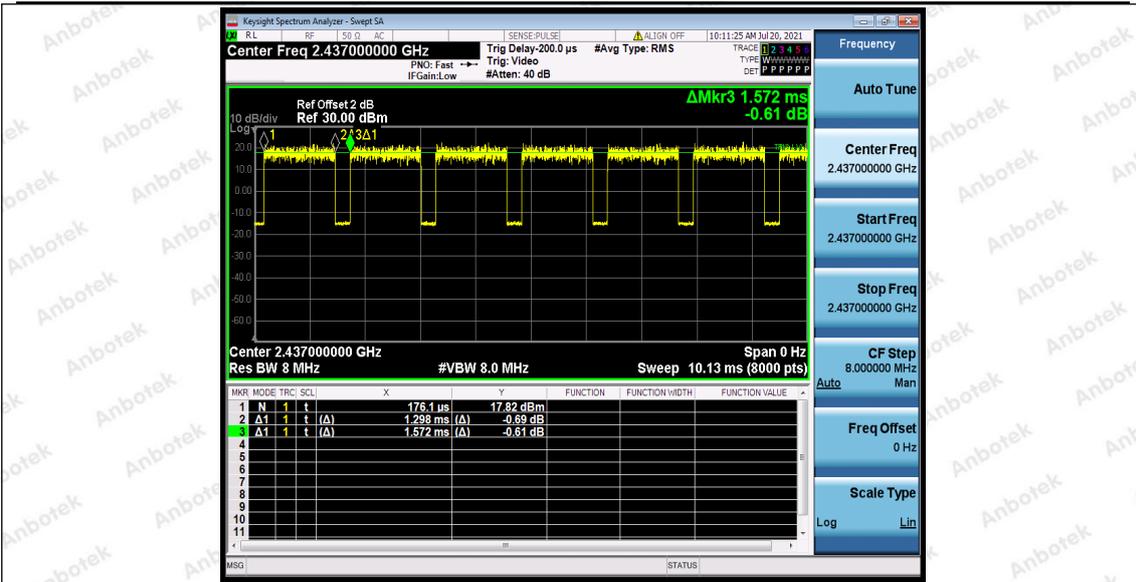
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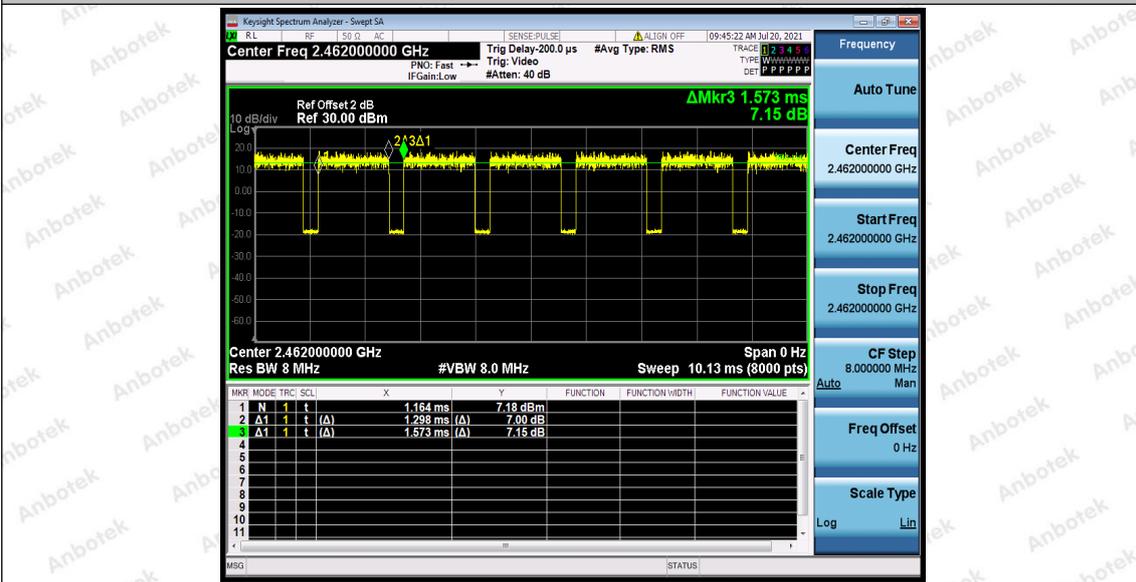
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11N20_Ant1_2462



---End---