

Appendix Test Data

Report No.:	18220WC10113701	Test Date:	2021.7.14
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	8.080	2407.960	2416.040	>=0.5	PASS
		2437	9.120	2432.440	2441.560	>=0.5	PASS
		2462	8.640	2457.920	2466.560	>=0.5	PASS
11G	Ant1	2412	16.600	2403.720	2420.320	>=0.5	PASS
		2437	16.440	2428.800	2445.240	>=0.5	PASS
		2462	16.480	2453.720	2470.200	>=0.5	PASS
11N20	Ant1	2412	17.640	2403.200	2420.840	>=0.5	PASS
		2437	17.640	2428.200	2445.840	>=0.5	PASS
		2462	17.240	2453.200	2470.440	>=0.5	PASS

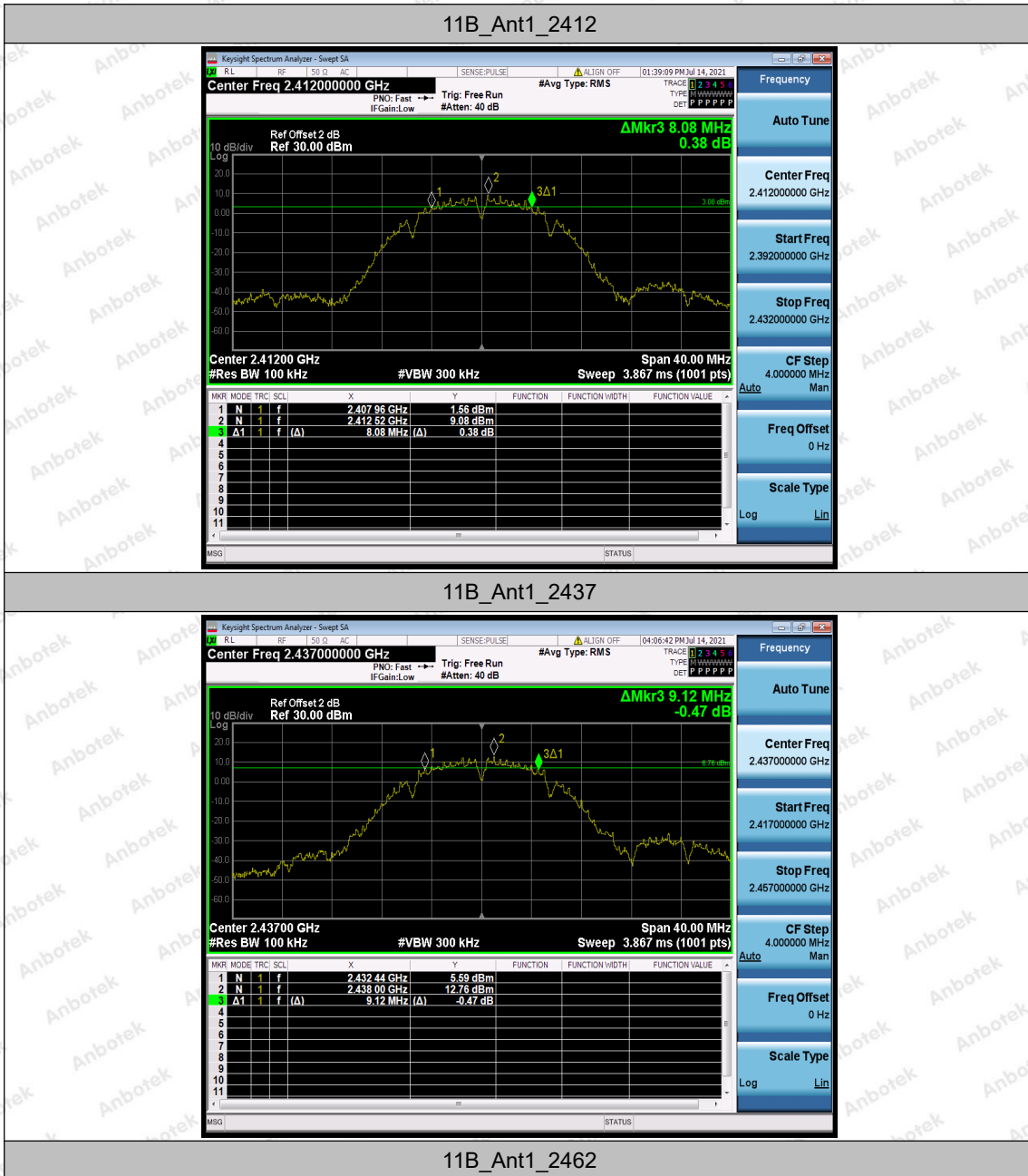
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Test Graphs

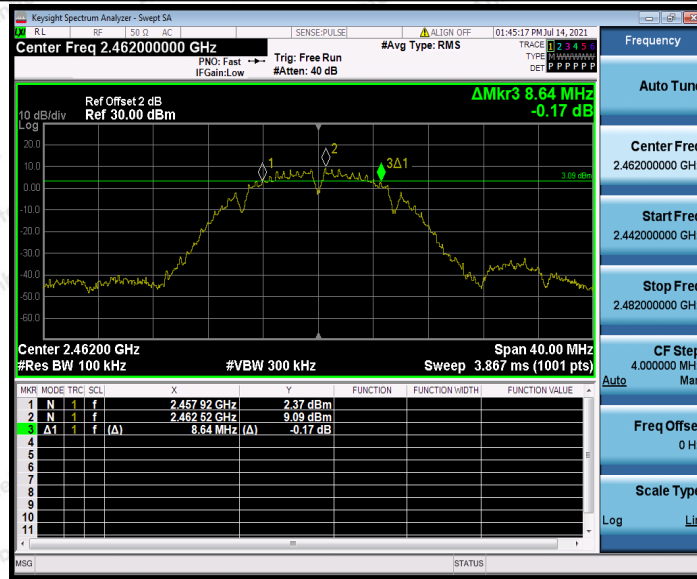


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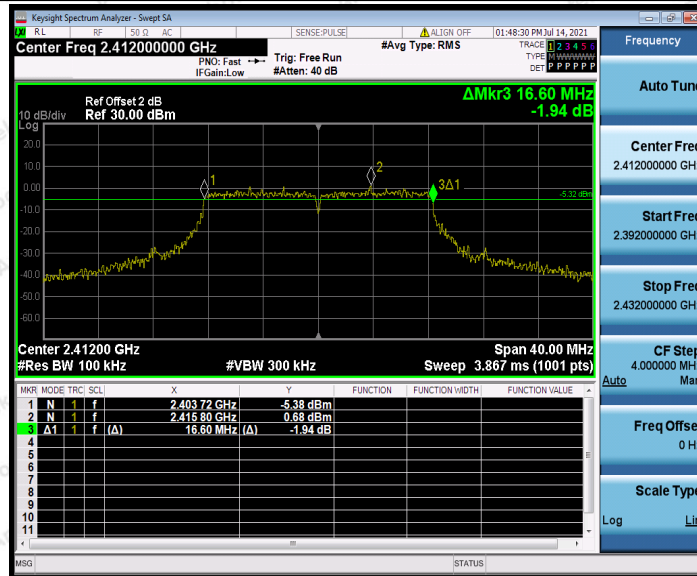
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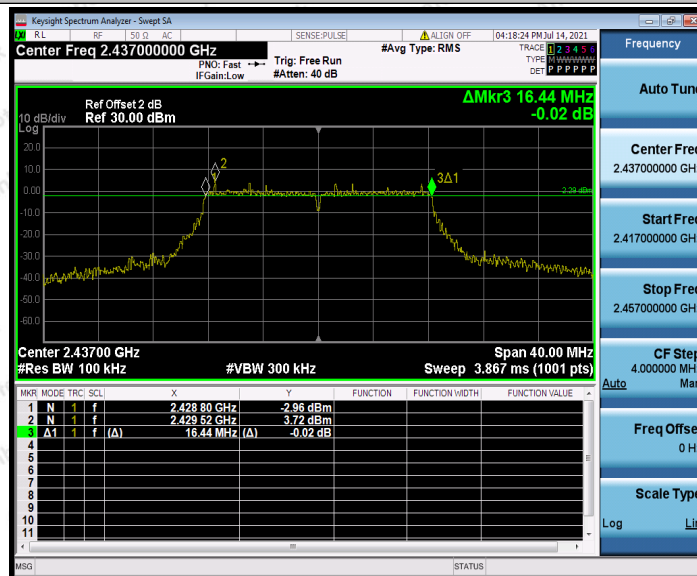
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11G_Ant1_2412



11G_Ant1_2437

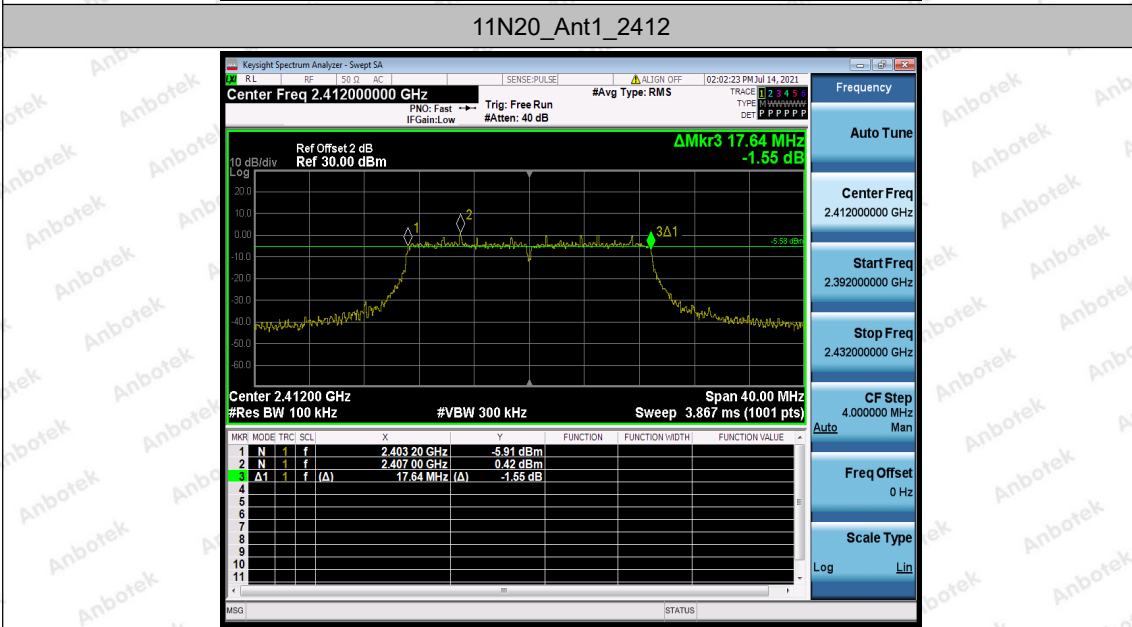
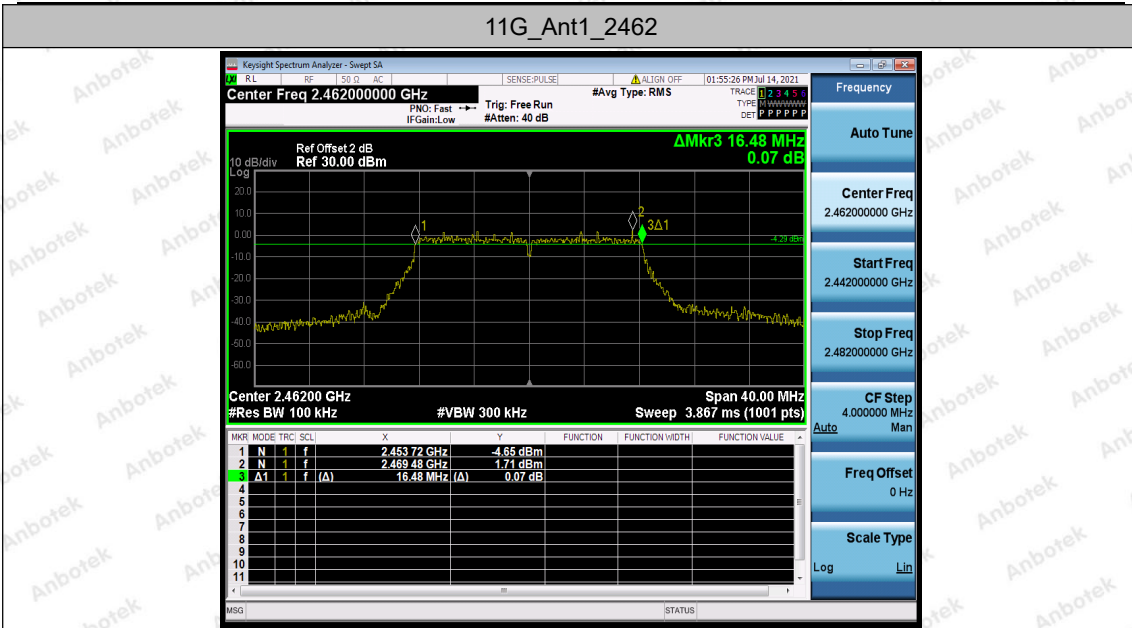


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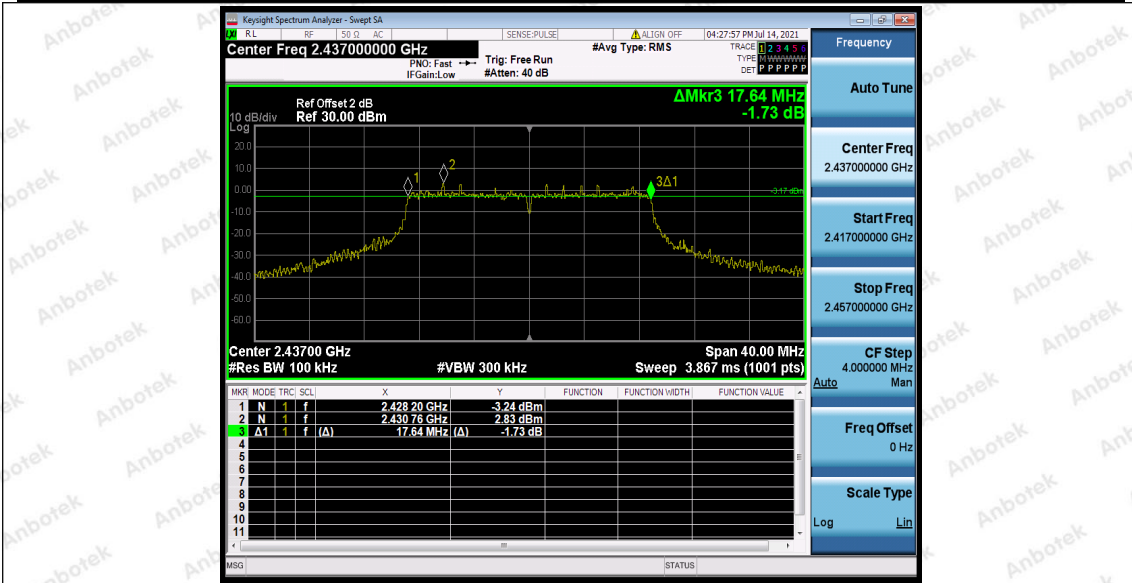
11N20_Ant1_2437

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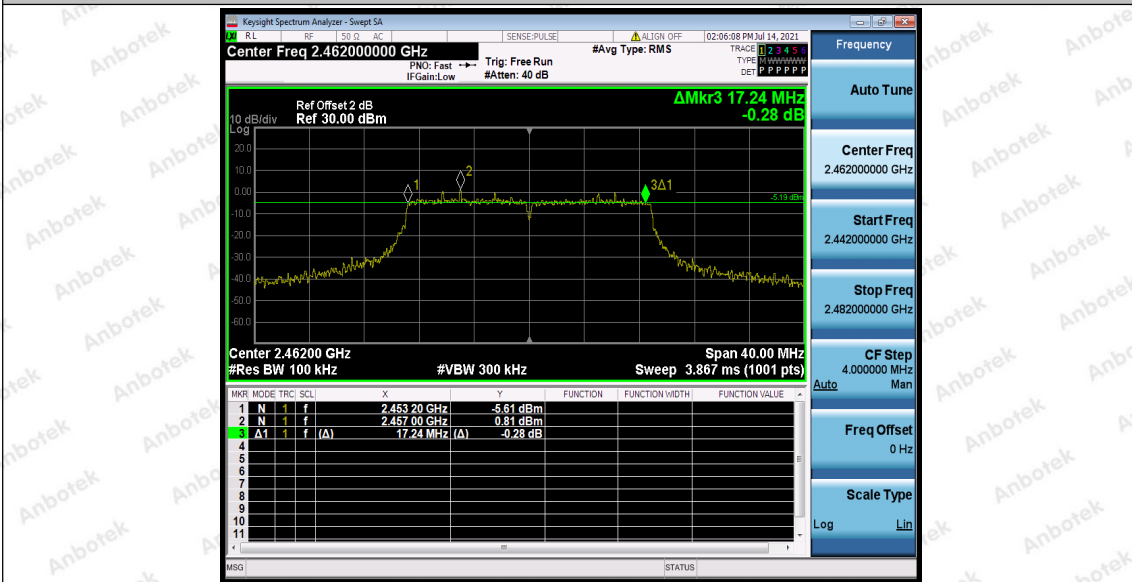
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.900	2405.583	2418.483	---	PASS
		2437	13.156	2430.425	2443.581	---	PASS
		2462	12.904	2455.524	2468.428	---	PASS
11G	Ant1	2412	17.157	2403.436	2420.593	---	PASS
		2437	17.151	2428.427	2445.578	---	PASS
		2462	17.118	2453.442	2470.560	---	PASS
11N20	Ant1	2412	17.939	2403.053	2420.992	---	PASS
		2437	18.124	2427.957	2446.081	---	PASS
		2462	18.100	2452.919	2471.019	---	PASS

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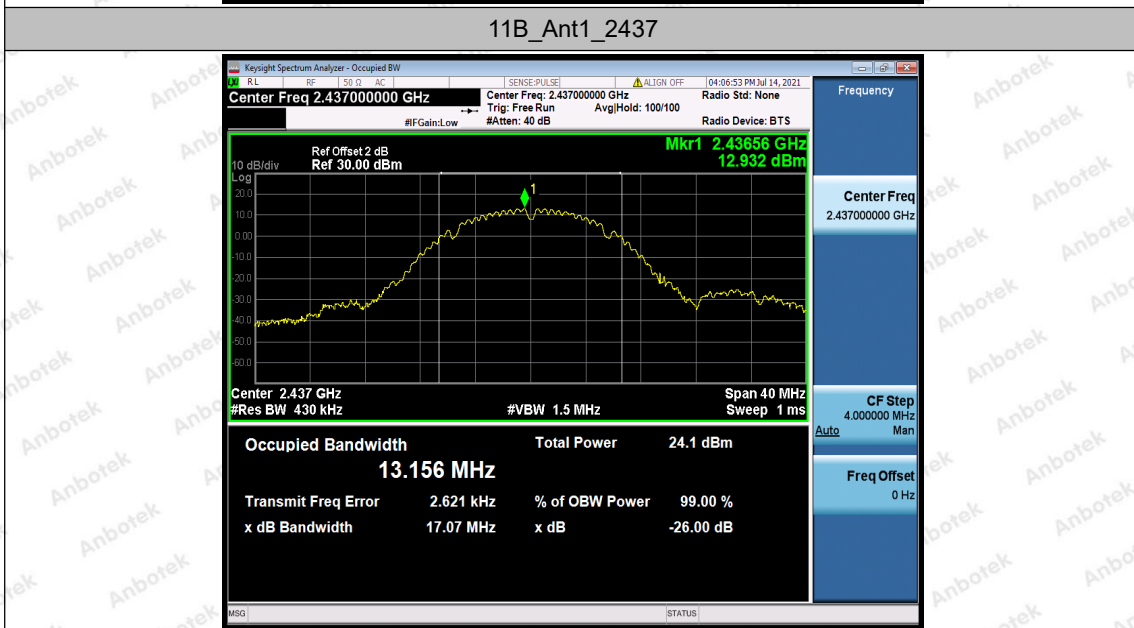
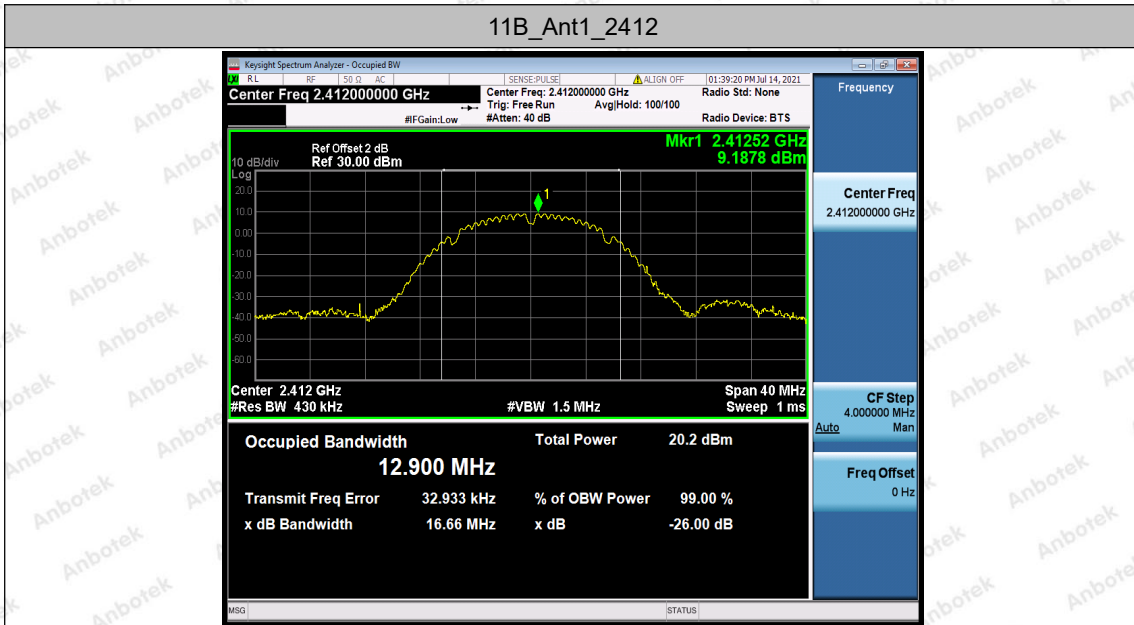


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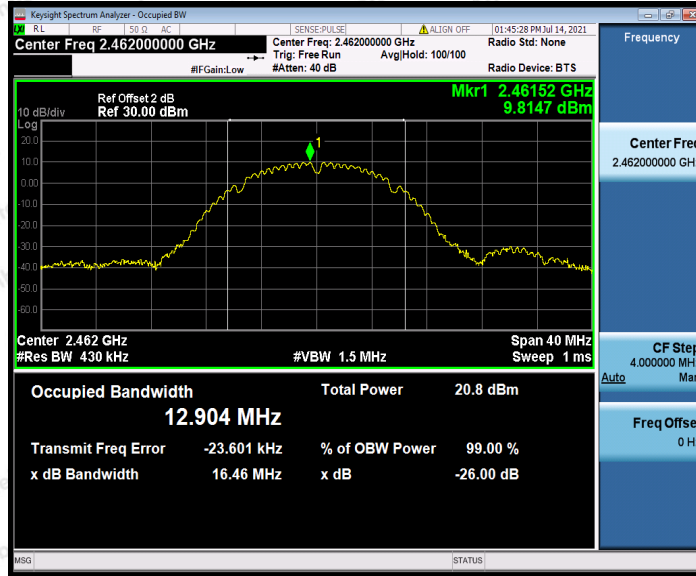
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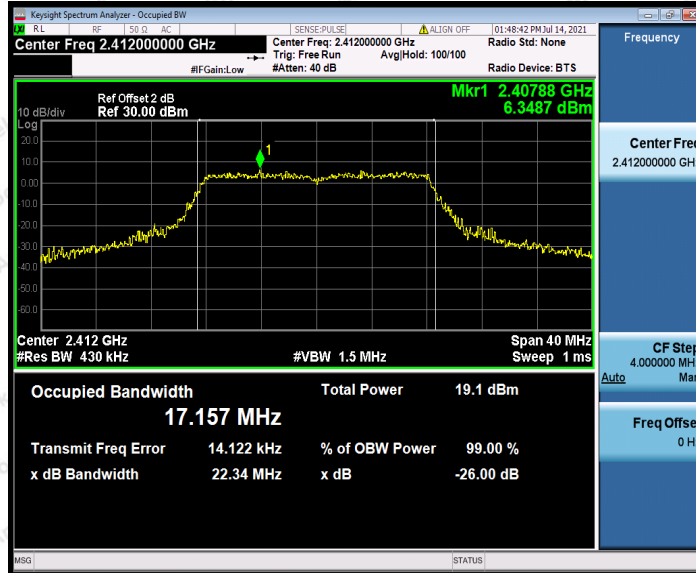
Test Graphs



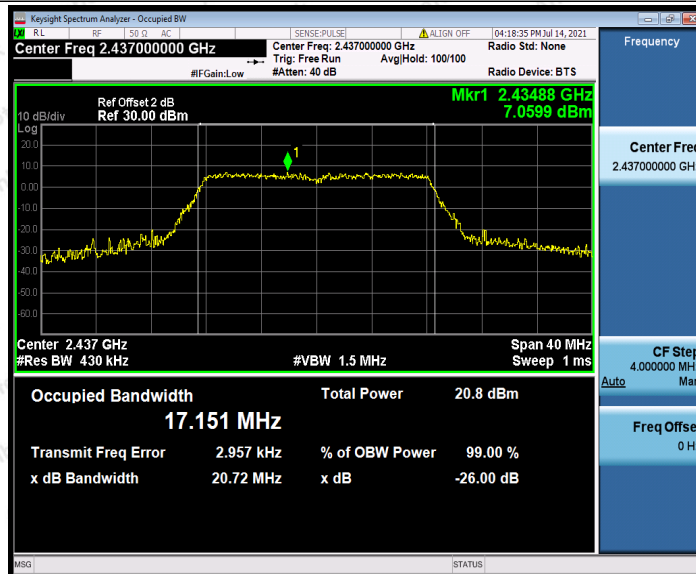
11B_Ant1_2462



11G_Ant1_2412



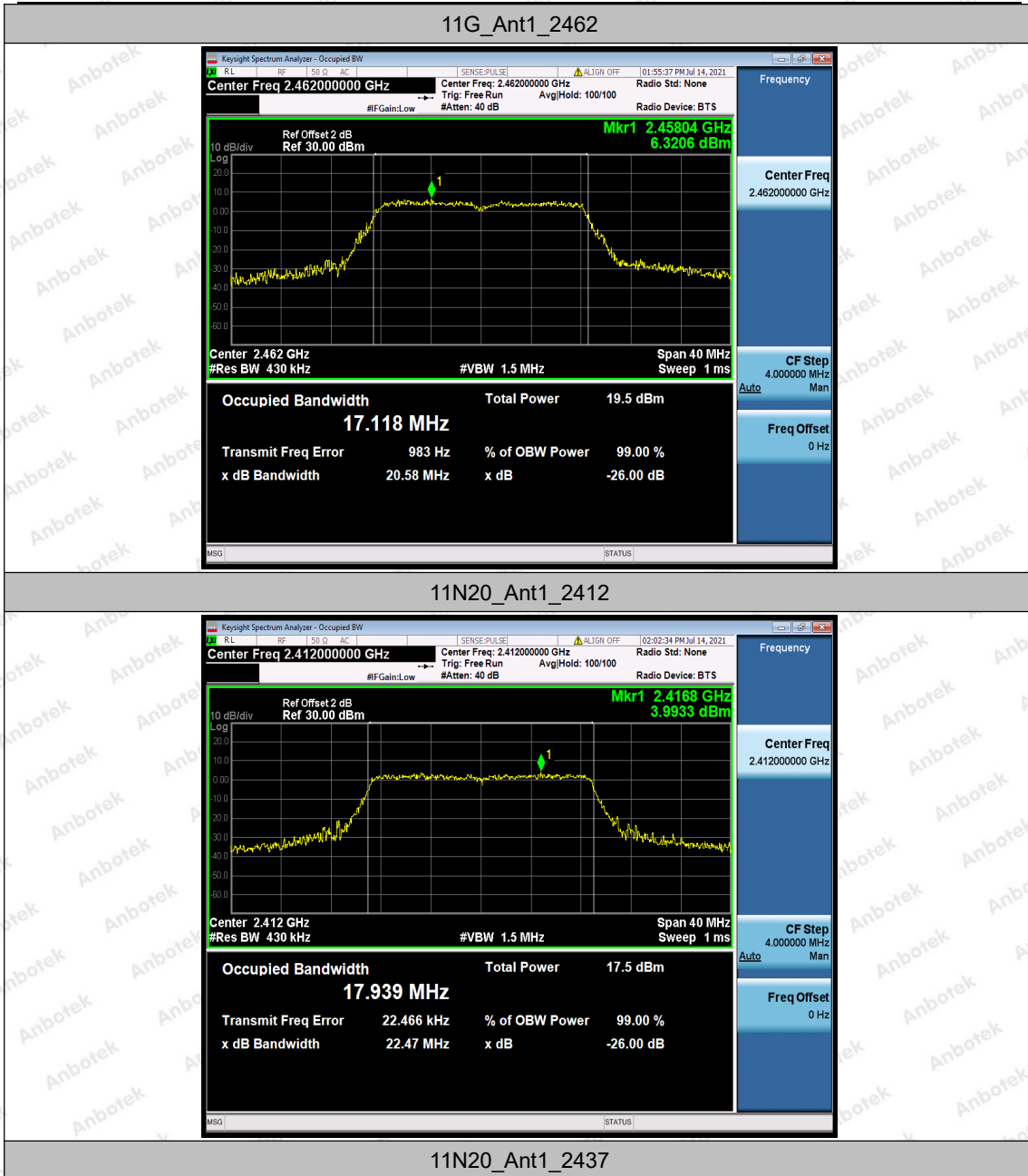
11G_Ant1_2437



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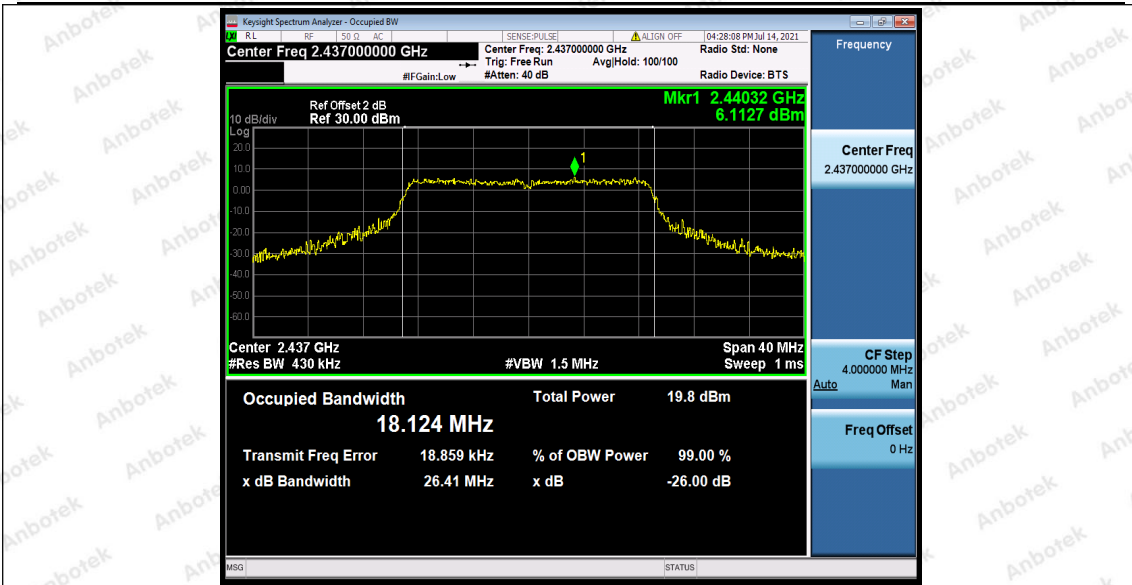
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	19.67	<=30	PASS
		2437	23.63	<=30	PASS
		2462	20.34	<=30	PASS
11G	Ant1	2412	20.04	<=30	PASS
		2437	21.86	<=30	PASS
		2462	20.40	<=30	PASS
11N20	Ant1	2412	18.65	<=30	PASS
		2437	20.82	<=30	PASS
		2462	18.68	<=30	PASS

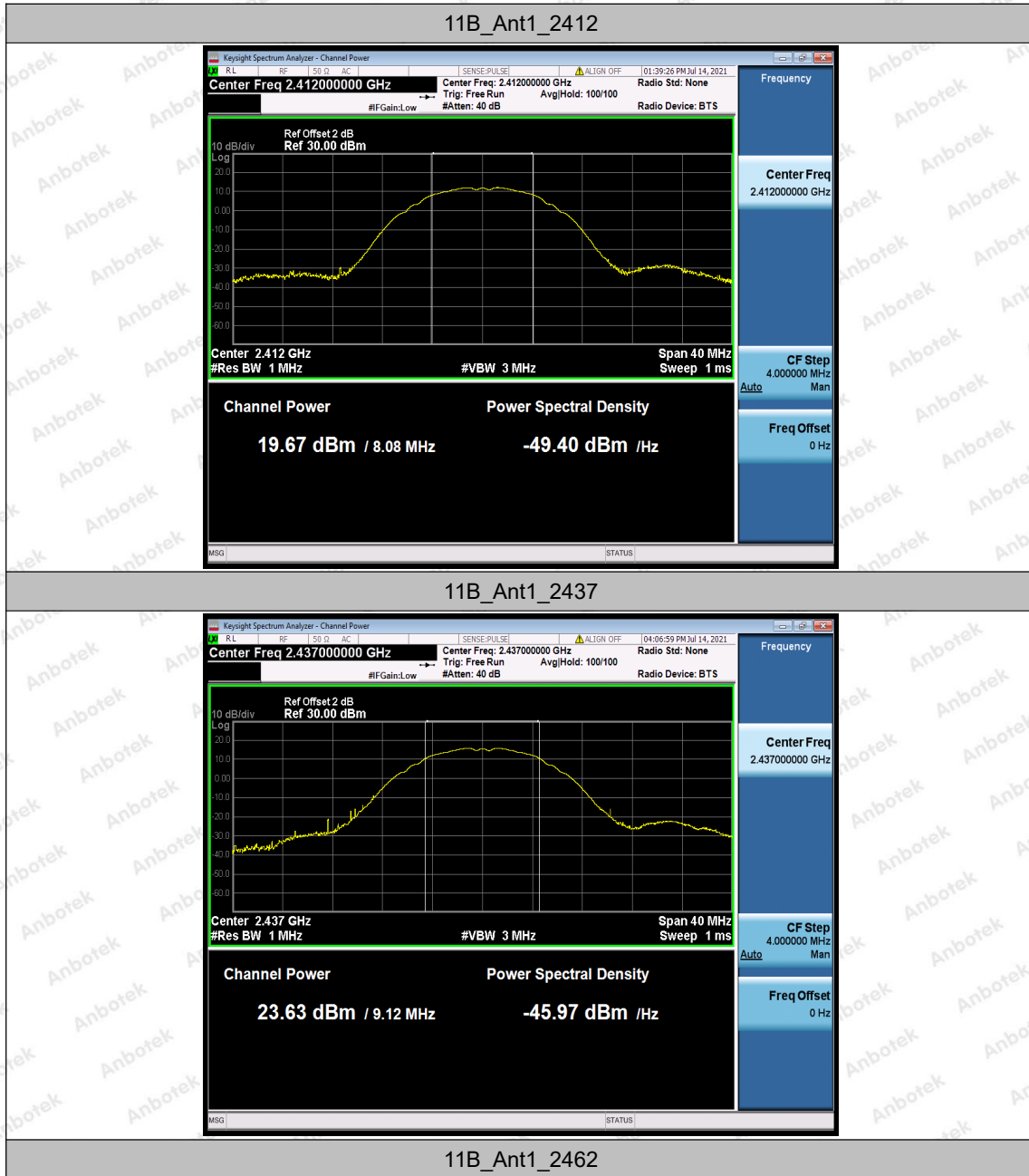
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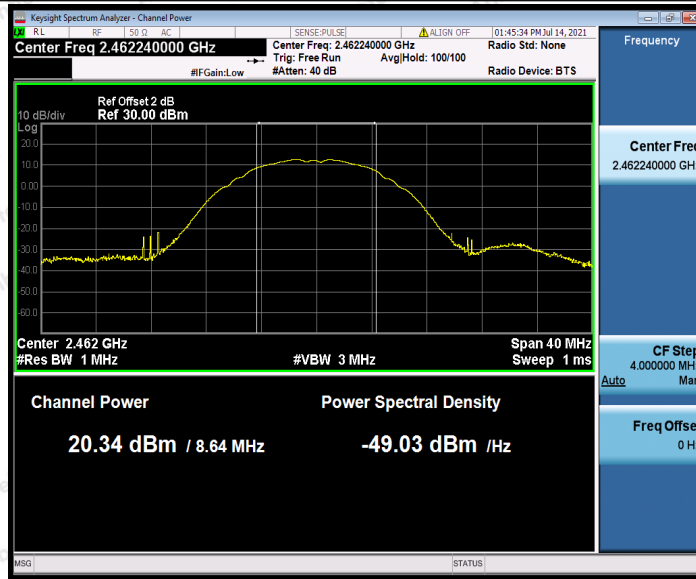
Test Graphs



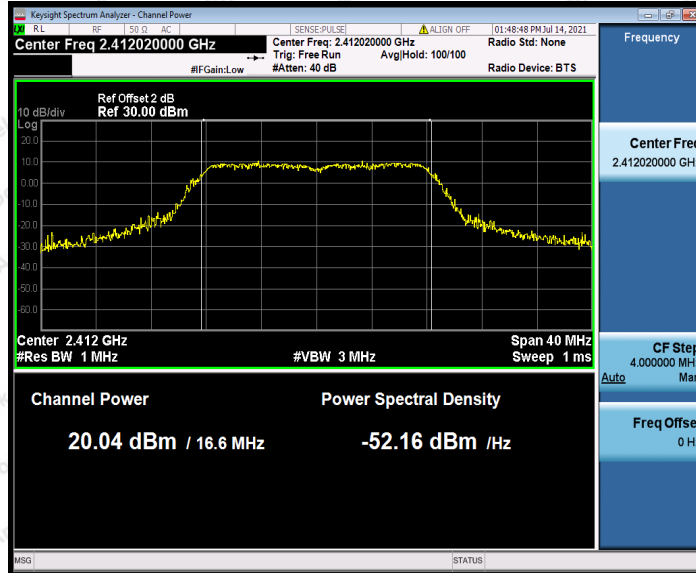
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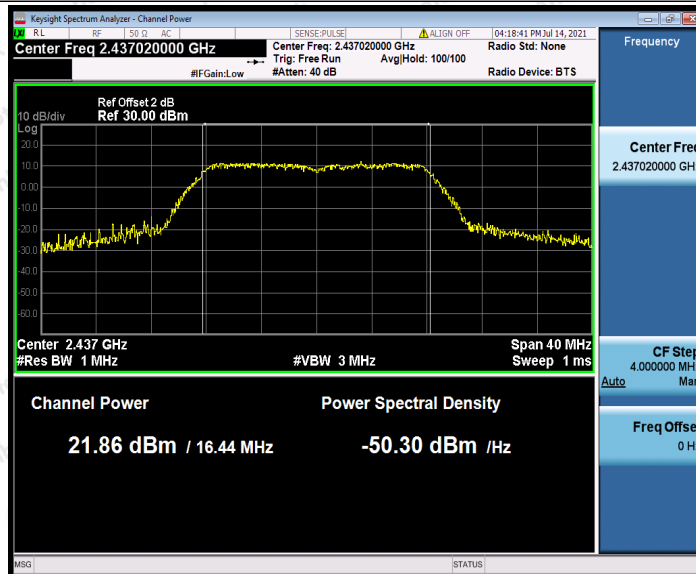
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11G_Ant1_2412



11G_Ant1_2437

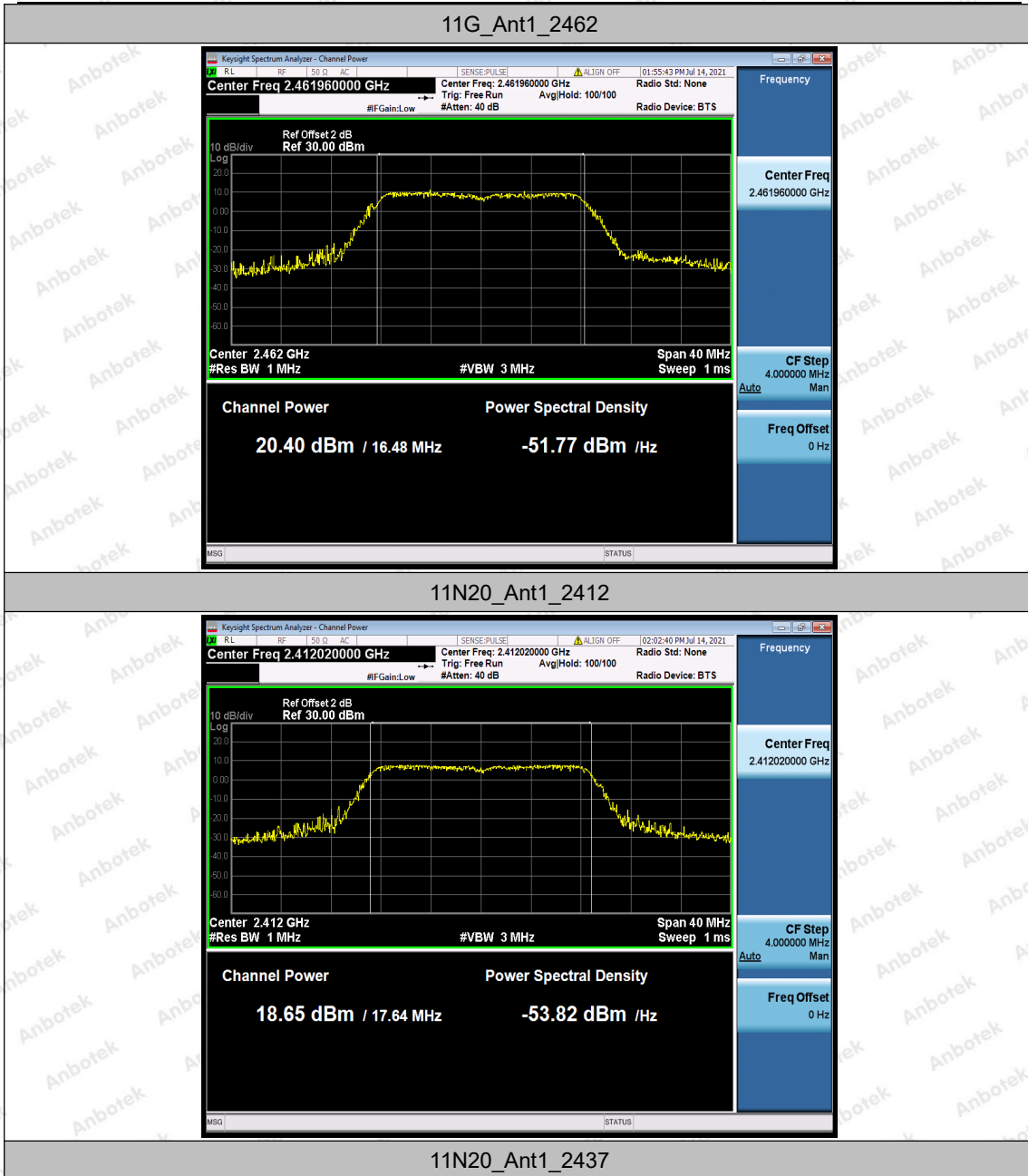


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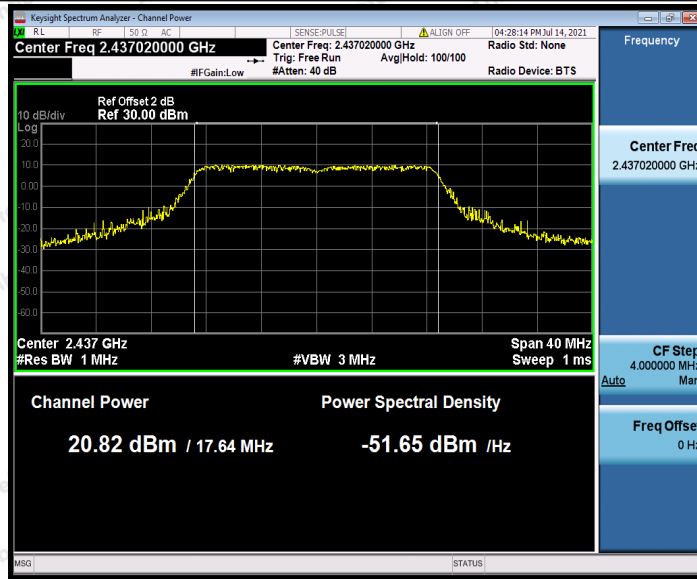
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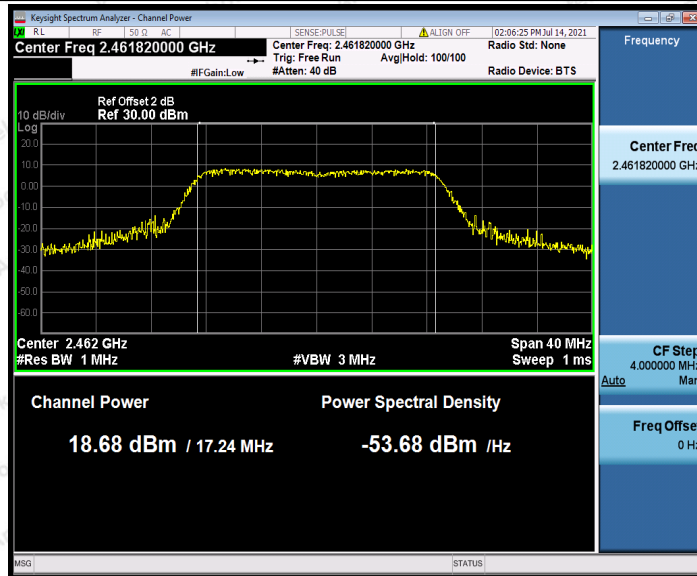
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-0.11	-5.34	<=8	PASS
		2437	4.23	-1.00	<=8	PASS
		2462	0.54	-4.69	<=8	PASS
11G	Ant1	2412	-7.13	-12.36	<=8	PASS
		2437	-5.35	-10.58	<=8	PASS
		2462	-6.44	-11.67	<=8	PASS
11N20	Ant1	2412	-8.33	-13.56	<=8	PASS
		2437	-5.85	-11.08	<=8	PASS
		2462	-8.28	-13.51	<=8	PASS

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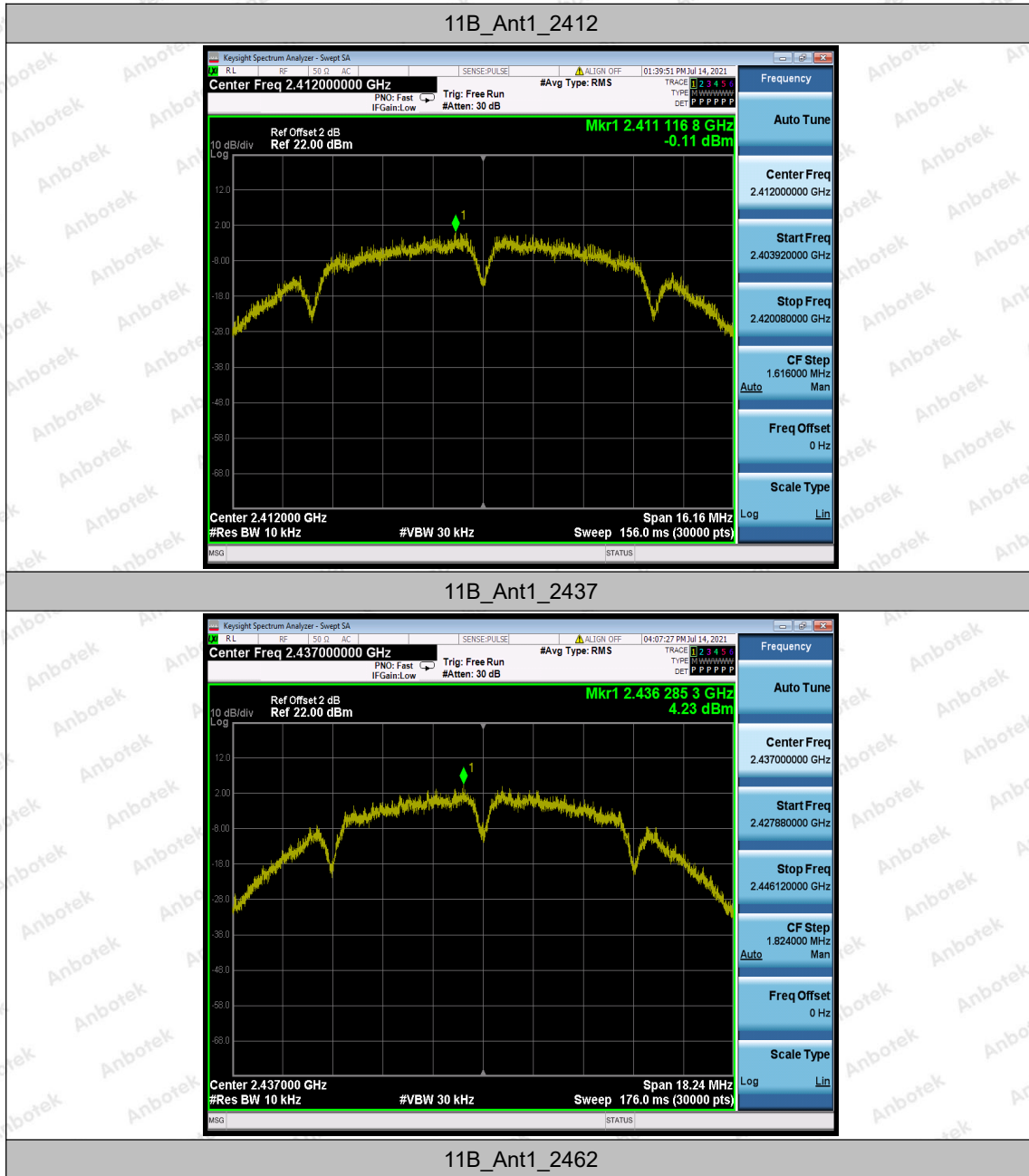


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Test Graphs



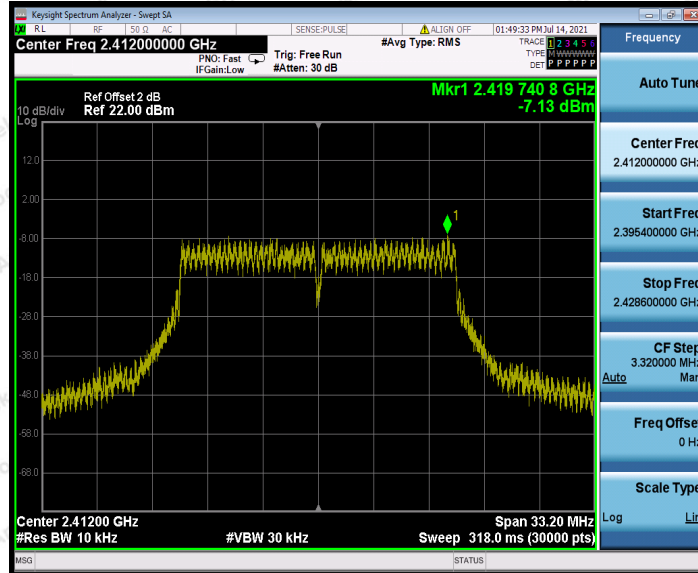
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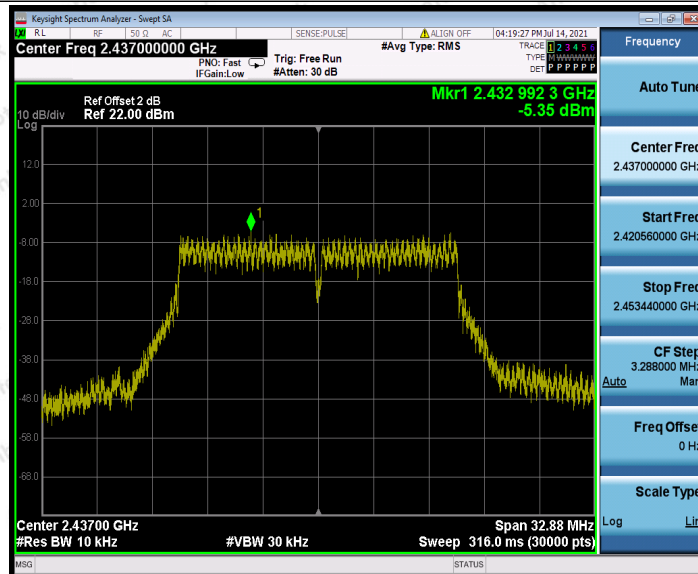
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11G_Ant1_2412



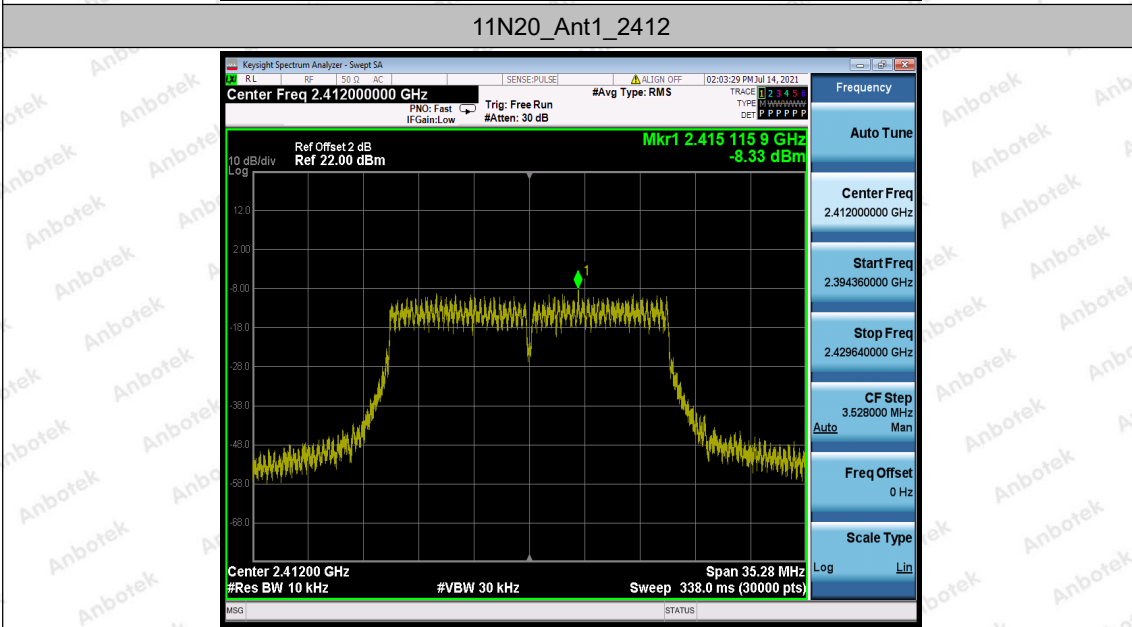
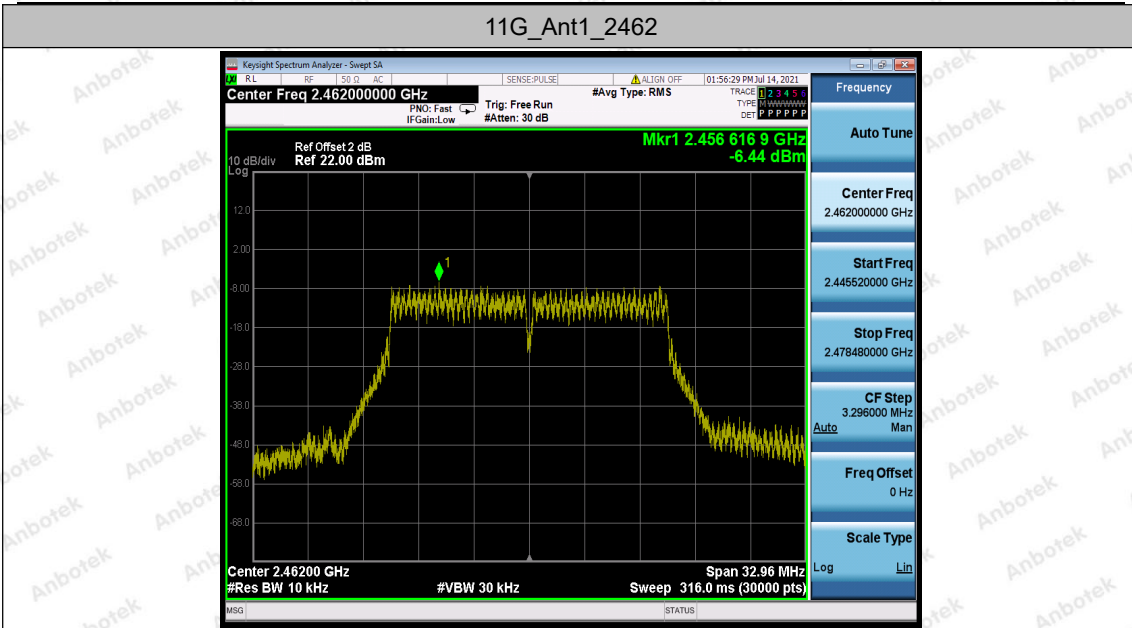
11G_Ant1_2437



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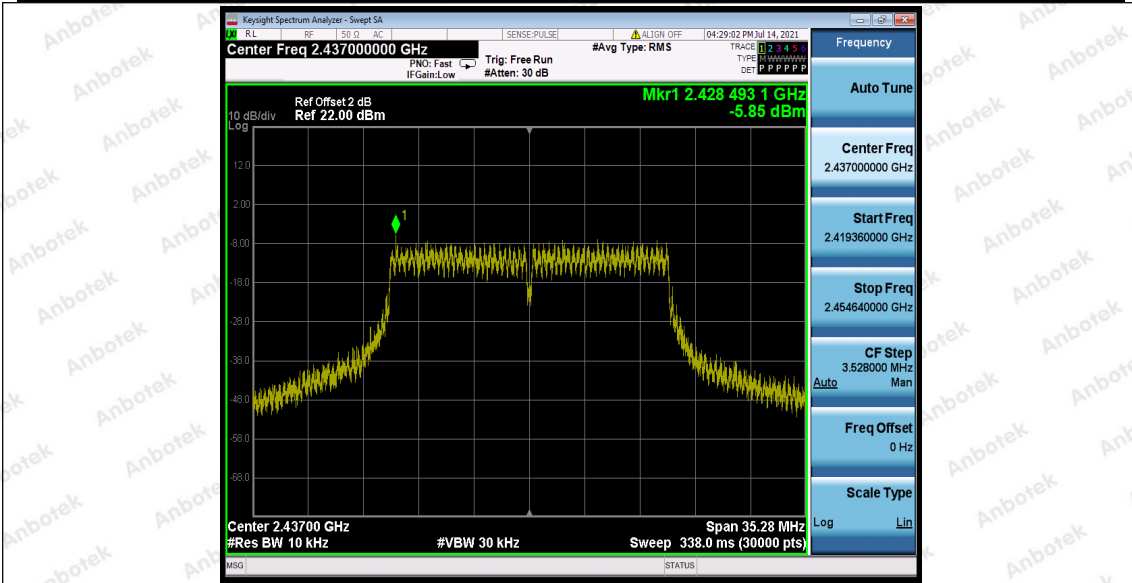


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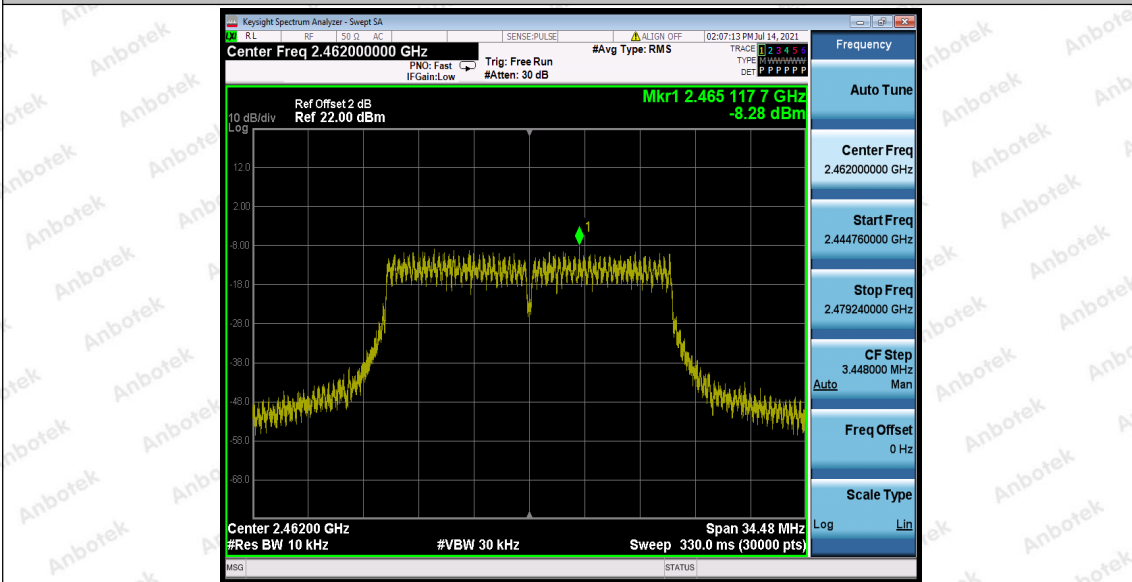
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11N20_Ant1_2462



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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	9.20	-39.7	<=-10.8	PASS
		High	2462	9.69	-41.53	<=-10.31	PASS
11G	Ant1	Low	2412	1.93	-28.15	<=-18.07	PASS
		High	2462	2.47	-42.05	<=-17.53	PASS
11N20	Ant1	Low	2412	0.16	-32.33	<=-19.84	PASS
		High	2462	0.80	-42.44	<=-19.2	PASS

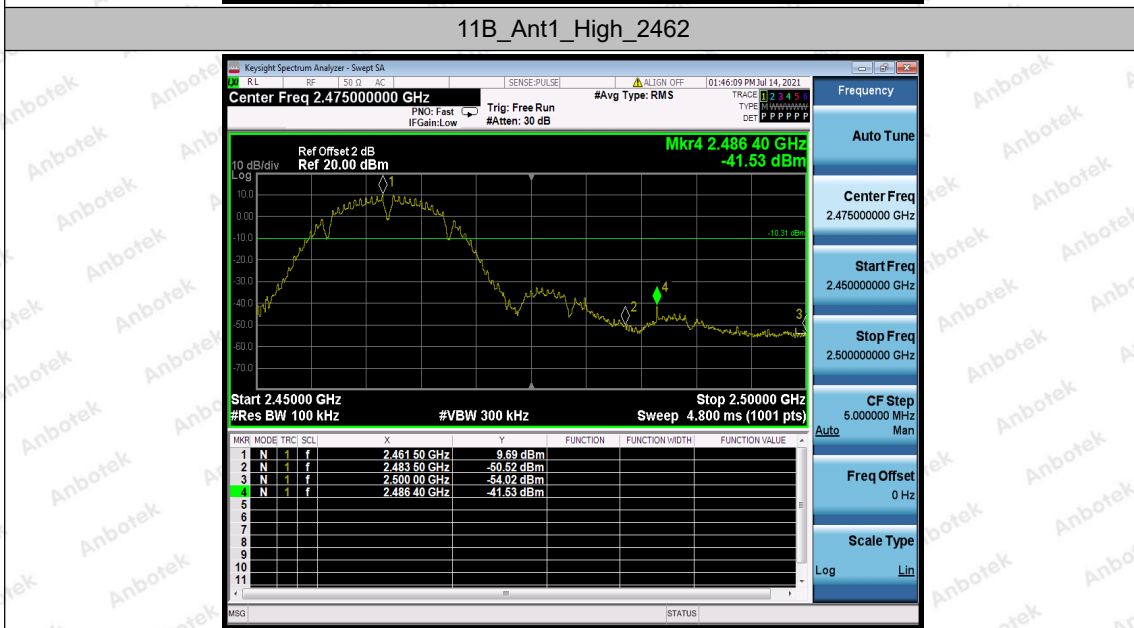
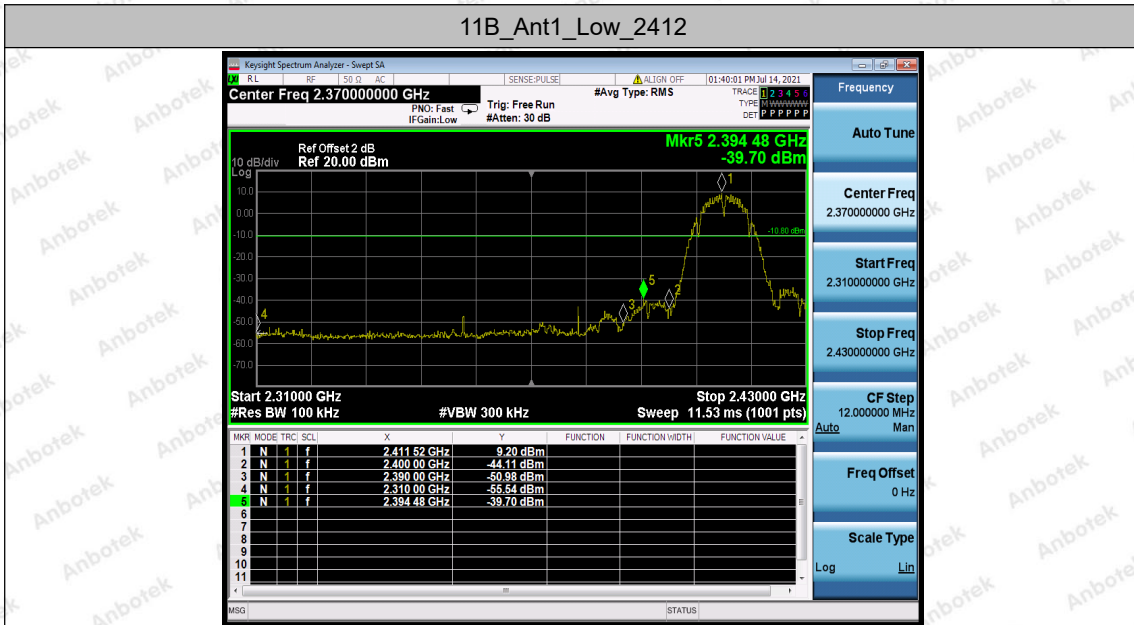
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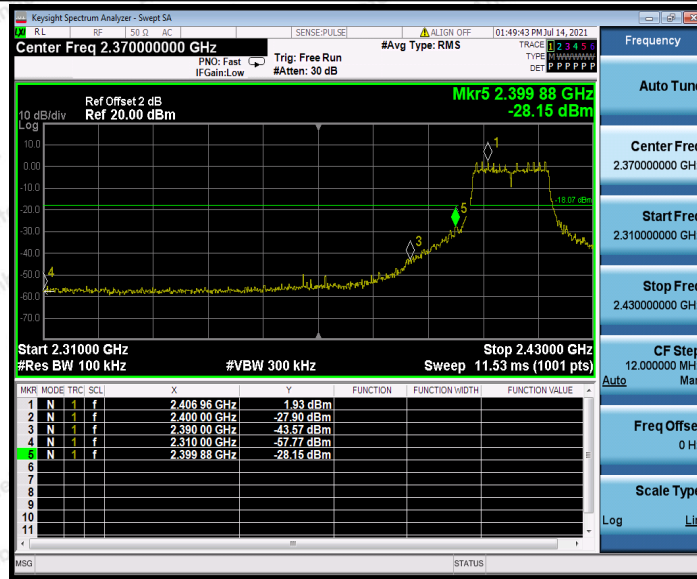
11G_Ant1_Low_2412

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11G_Ant1_High_2462



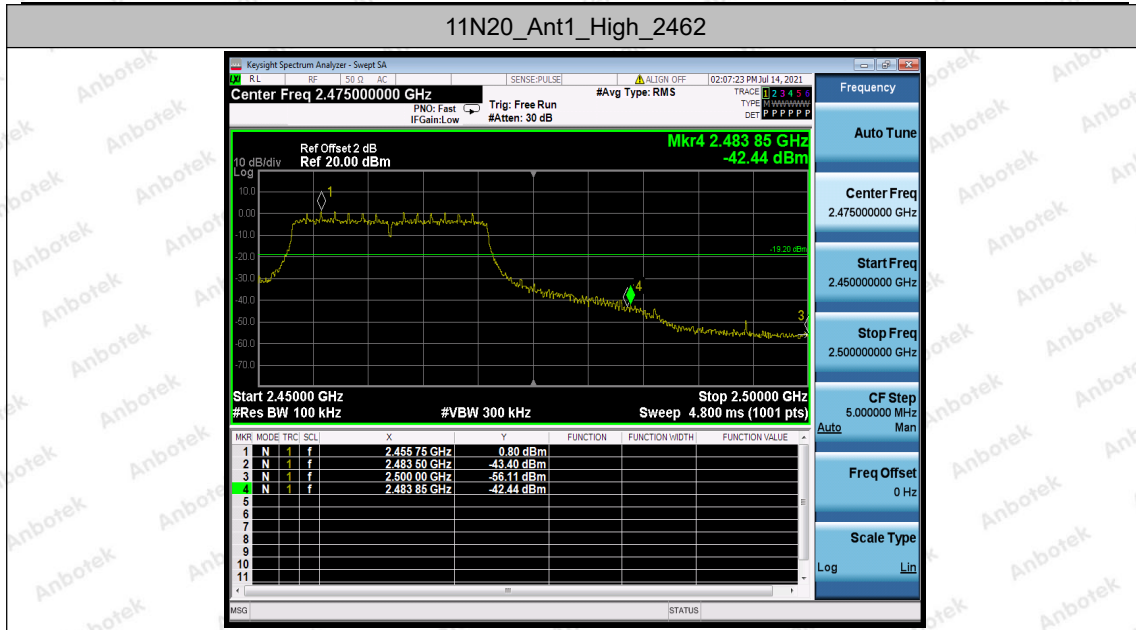
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Appendix F: Conducted Spurious Emission


Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.87	8.87	---	PASS
			30~1000	8.87	-67.7	<=-11.13	PASS
			1000~26500	8.87	-43.39	<=-11.13	PASS
		2437	Reference	12.85	12.85	---	PASS
			30~1000	12.85	-67.39	<=-7.15	PASS
			1000~26500	12.85	-41.02	<=-7.15	PASS
		2462	Reference	9.31	9.31	---	PASS
			30~1000	9.31	-67.86	<=-10.69	PASS
			1000~26500	9.31	-40.69	<=-10.69	PASS
11G	Ant1	2412	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-67.64	<=-18.1	PASS
			1000~26500	1.91	-42.11	<=-18.1	PASS
		2437	Reference	3.81	3.81	---	PASS
			30~1000	3.81	-67.78	<=-16.19	PASS
			1000~26500	3.81	-41.6	<=-16.19	PASS
		2462	Reference	2.42	2.42	---	PASS
			30~1000	2.42	-68.02	<=-17.58	PASS
			1000~26500	2.42	-42.84	<=-17.58	PASS
11N20	Ant1	2412	Reference	0.44	0.44	---	PASS
			30~1000	0.44	-67.03	<=-19.56	PASS
			1000~26500	0.44	-41.35	<=-19.56	PASS
		2437	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-68.15	<=-17.2	PASS
			1000~26500	2.80	-42.58	<=-17.2	PASS
		2462	Reference	0.50	0.50	---	PASS
			30~1000	0.50	-68.16	<=-19.5	PASS
			1000~26500	0.50	-41.91	<=-19.5	PASS

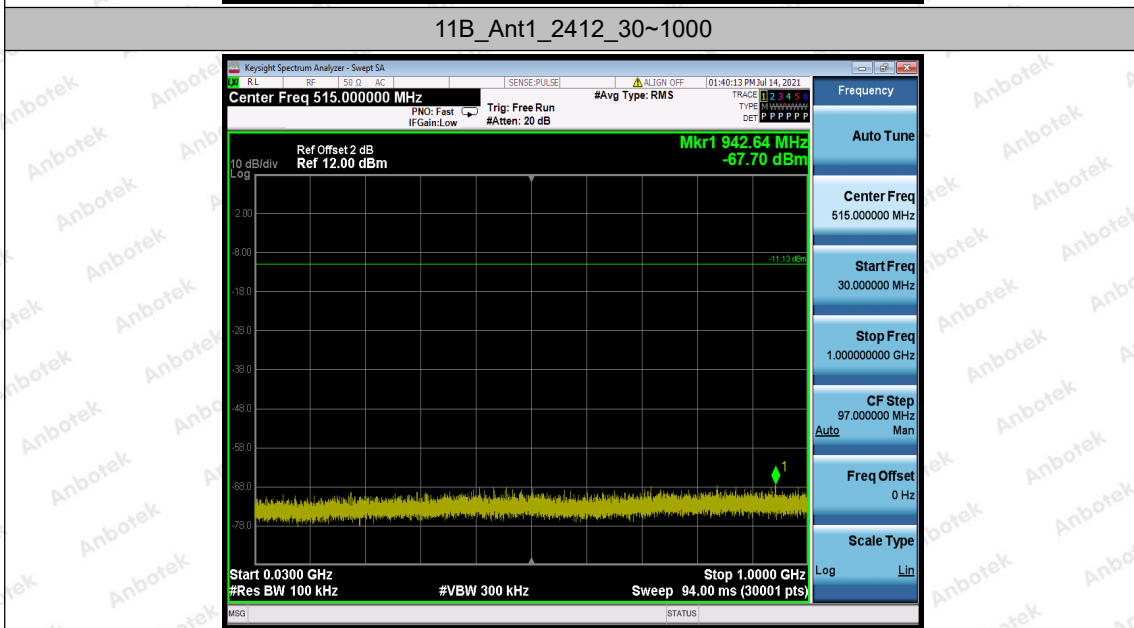
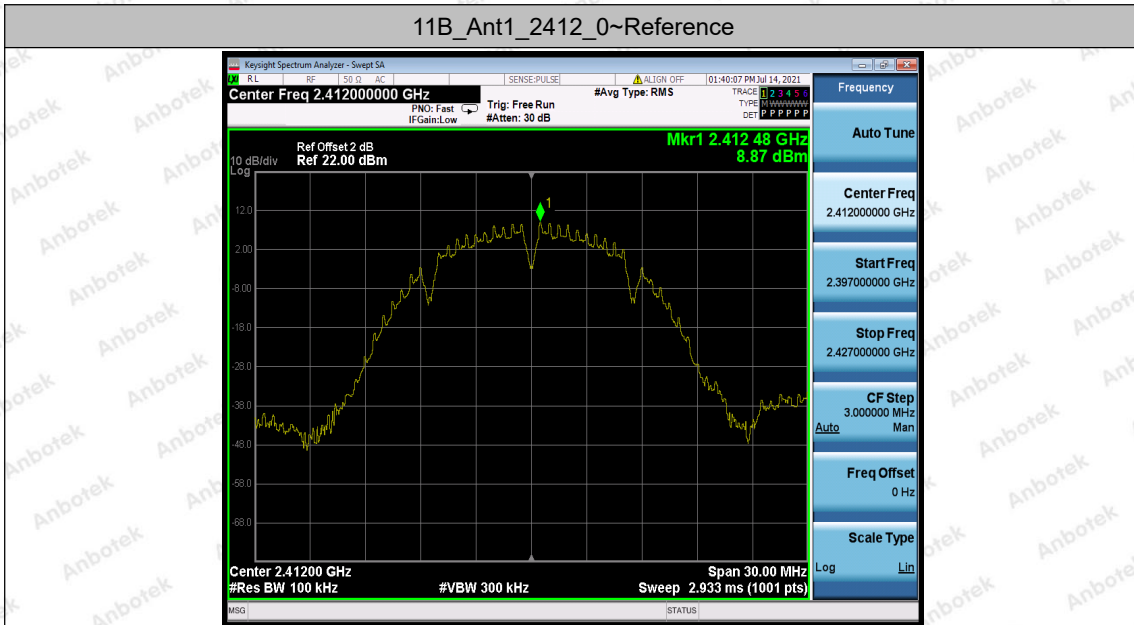
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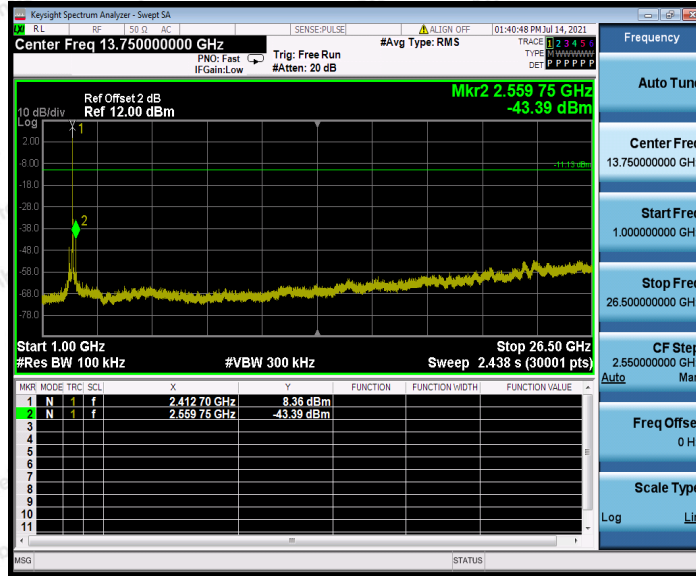
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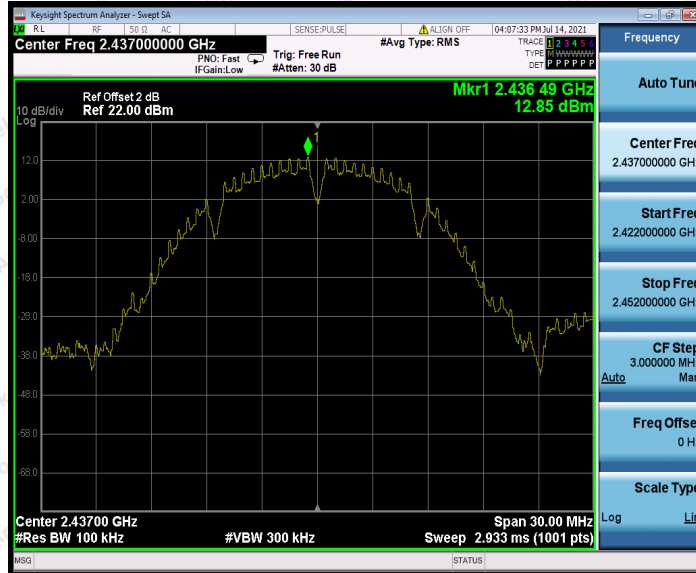
Test Graphs



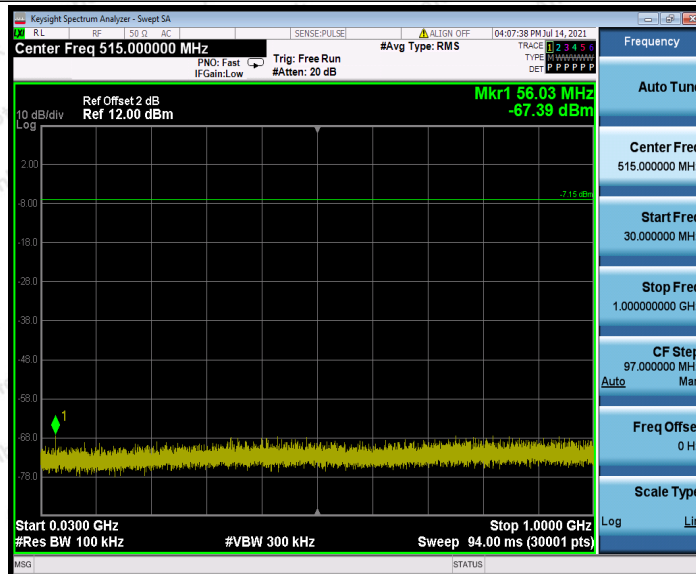
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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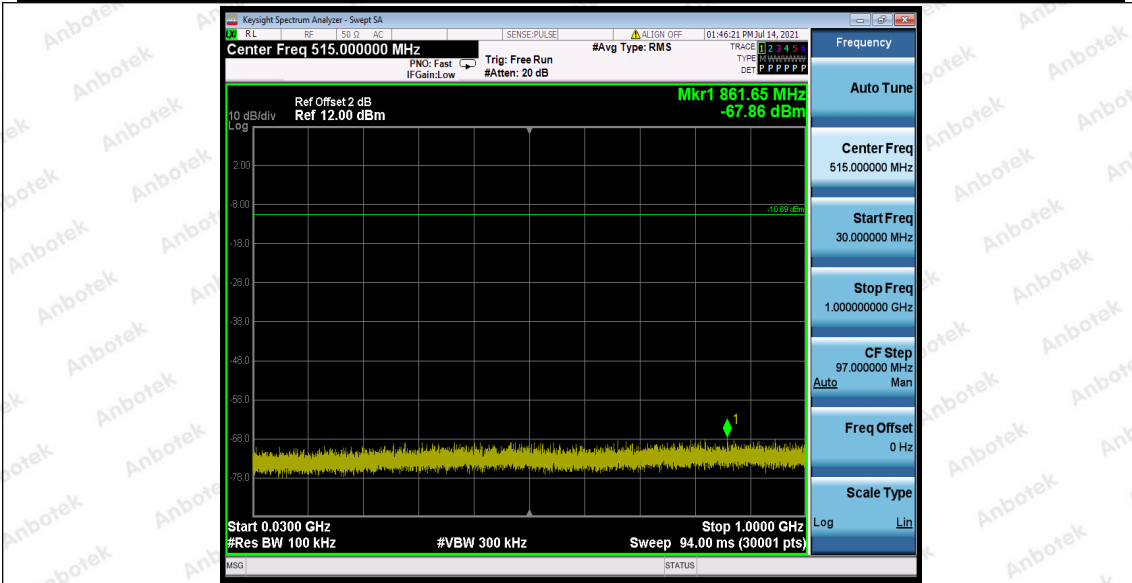
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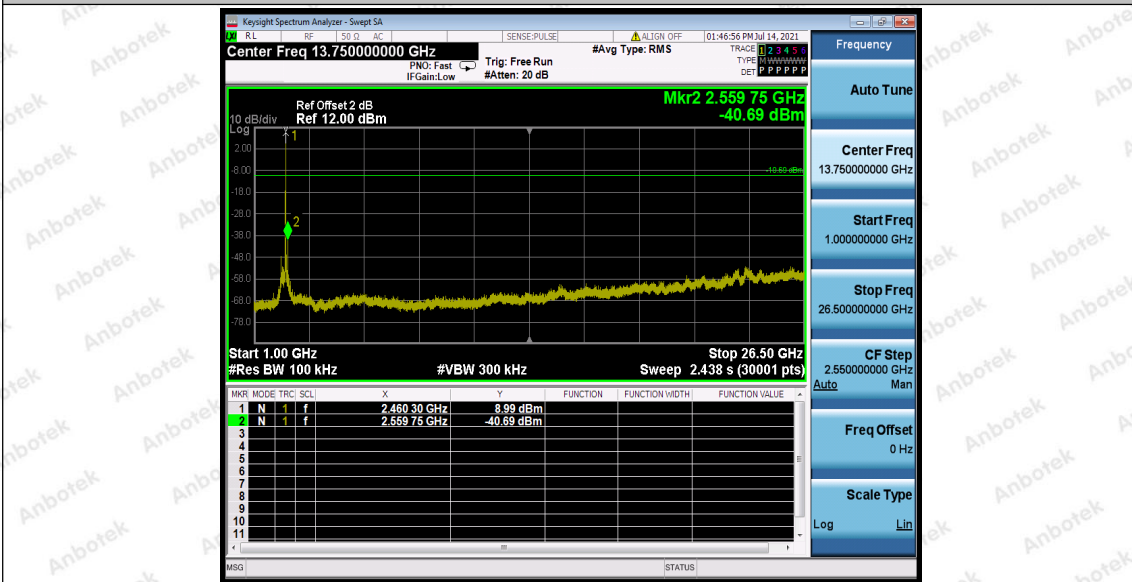
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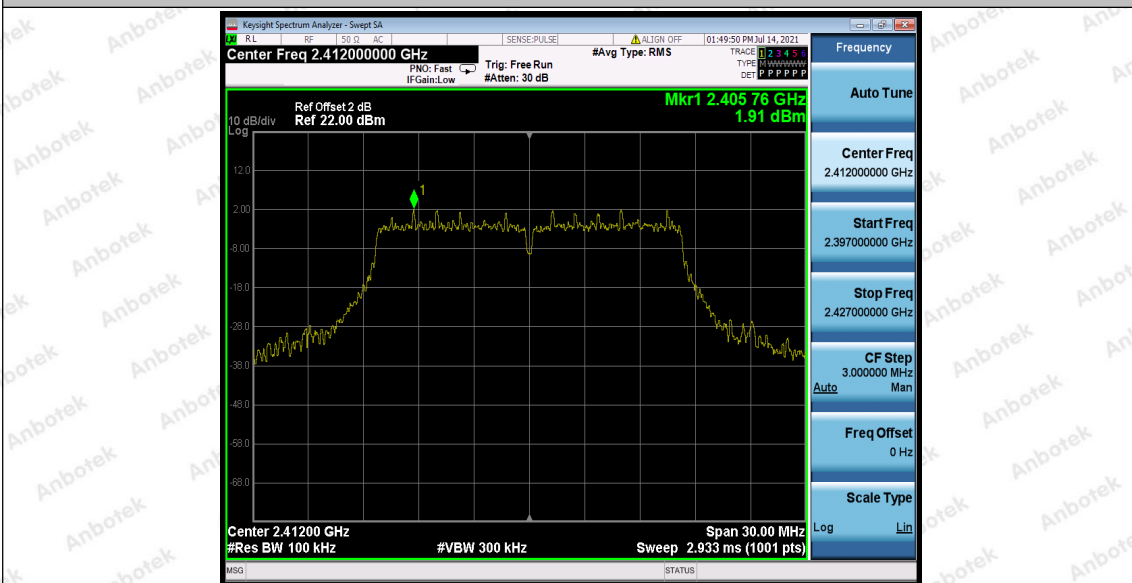
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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



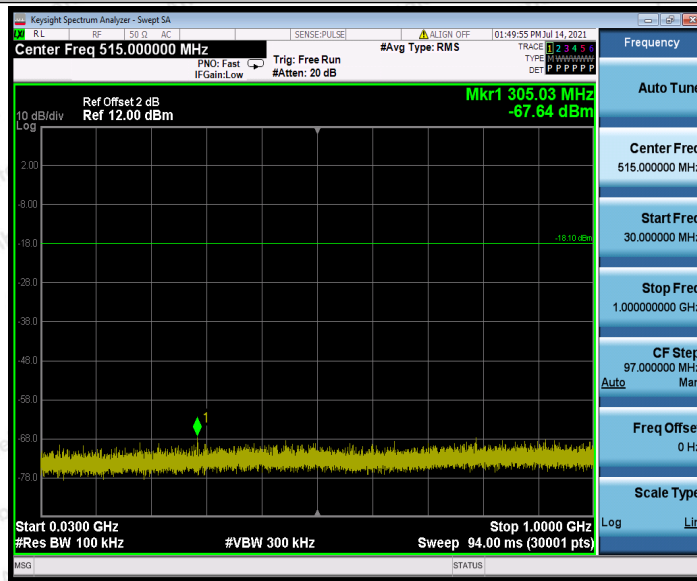
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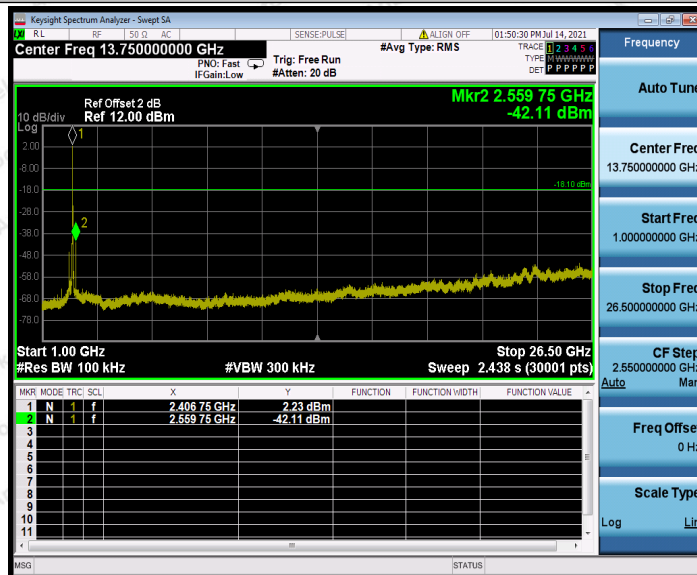
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



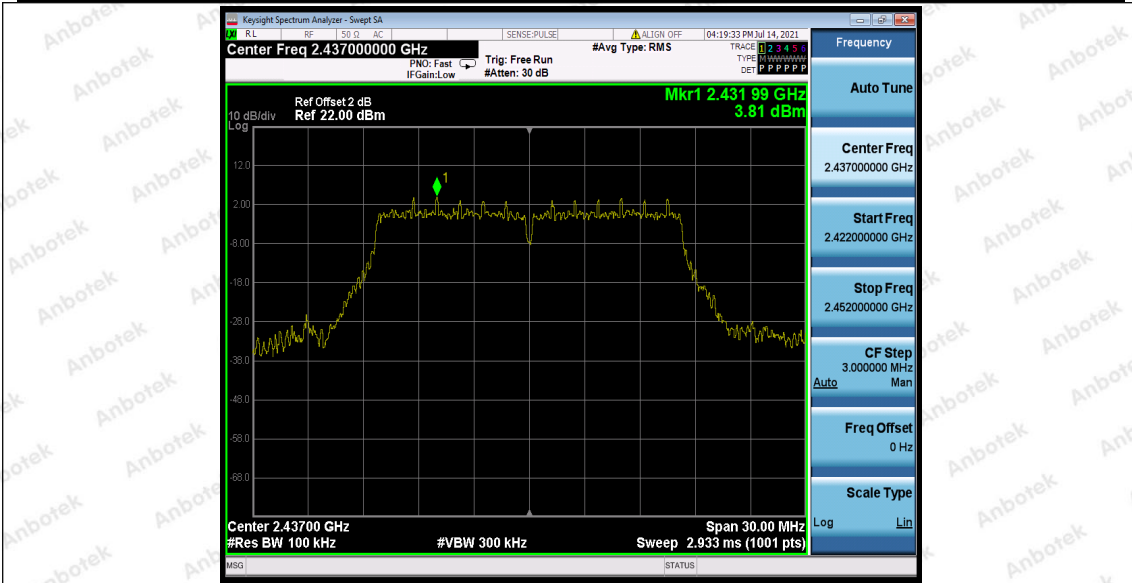
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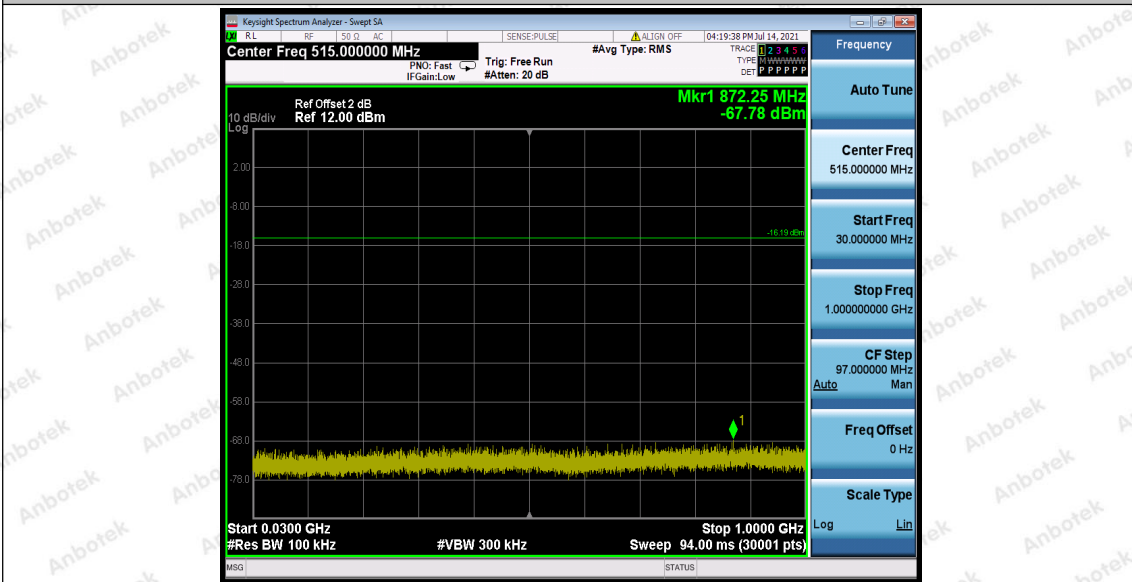
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Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

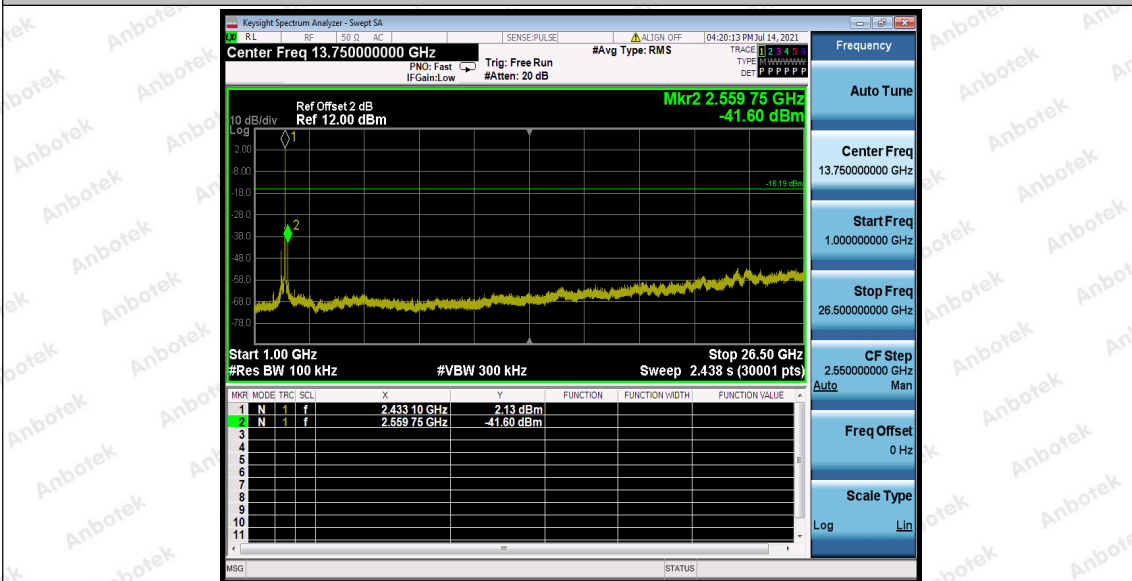
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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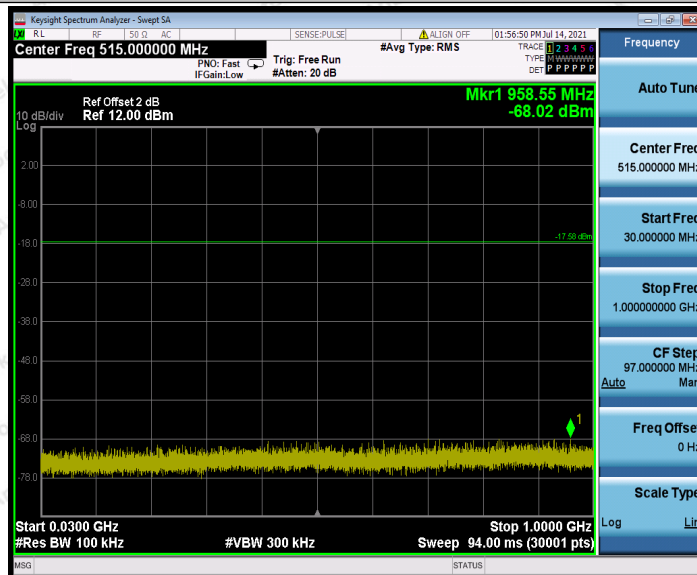
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000

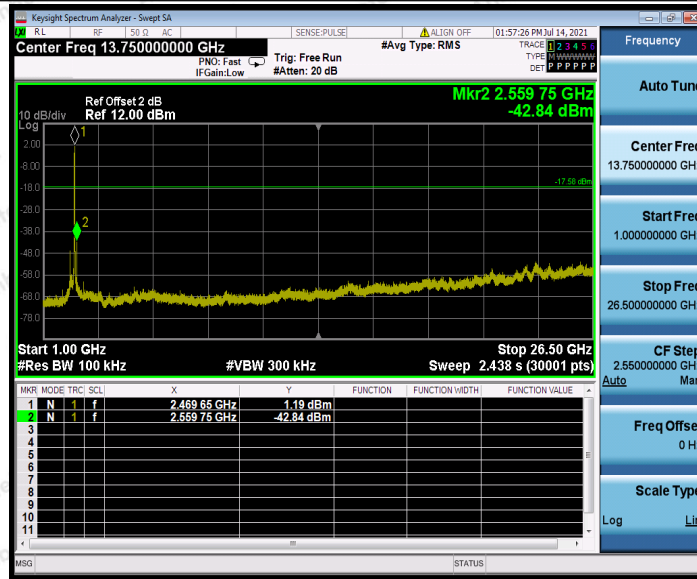


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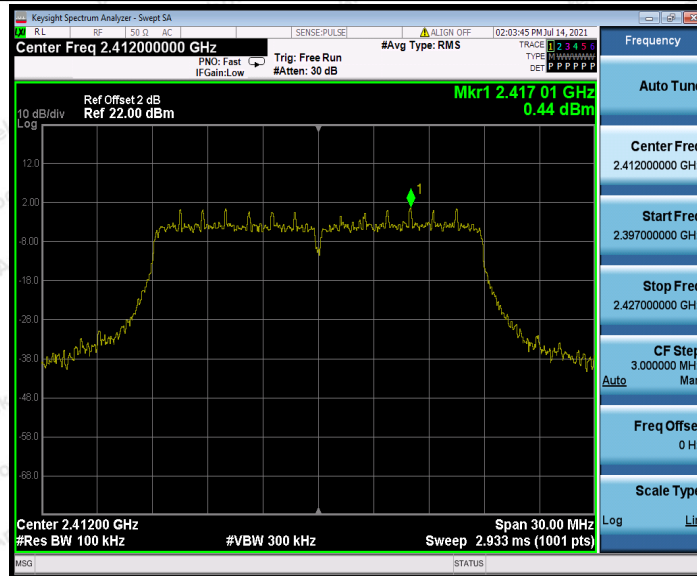
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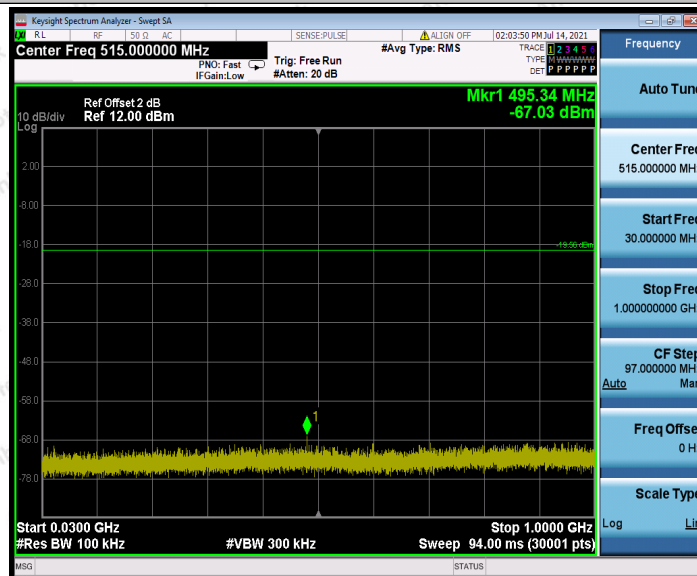
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



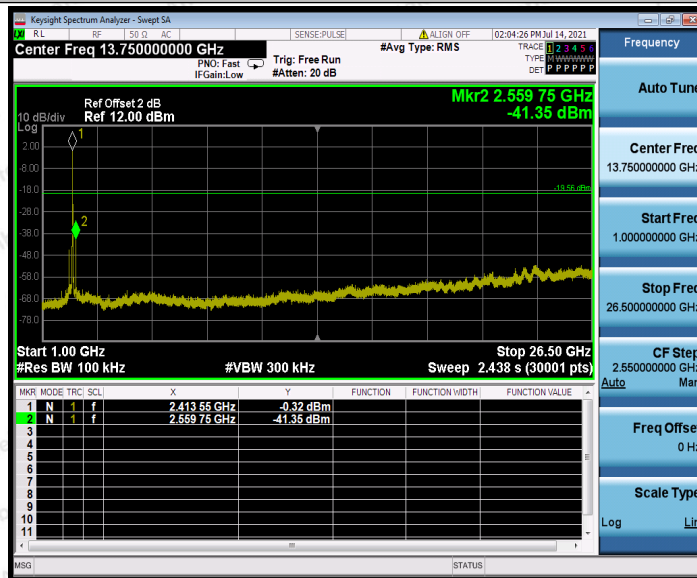
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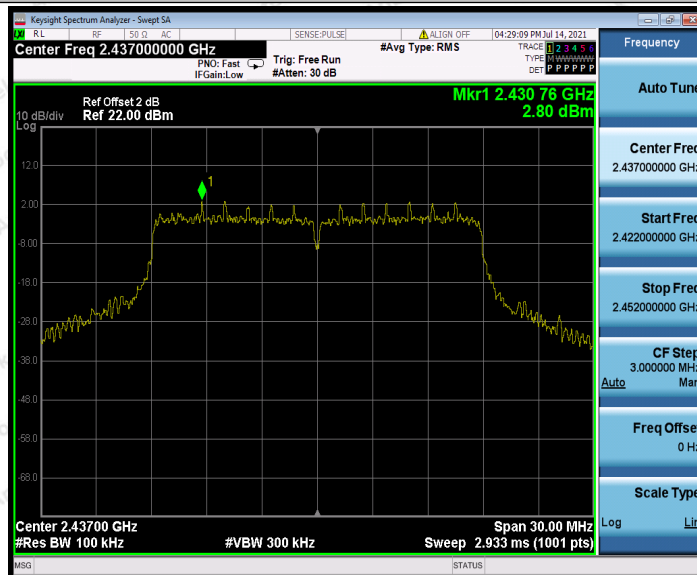
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference

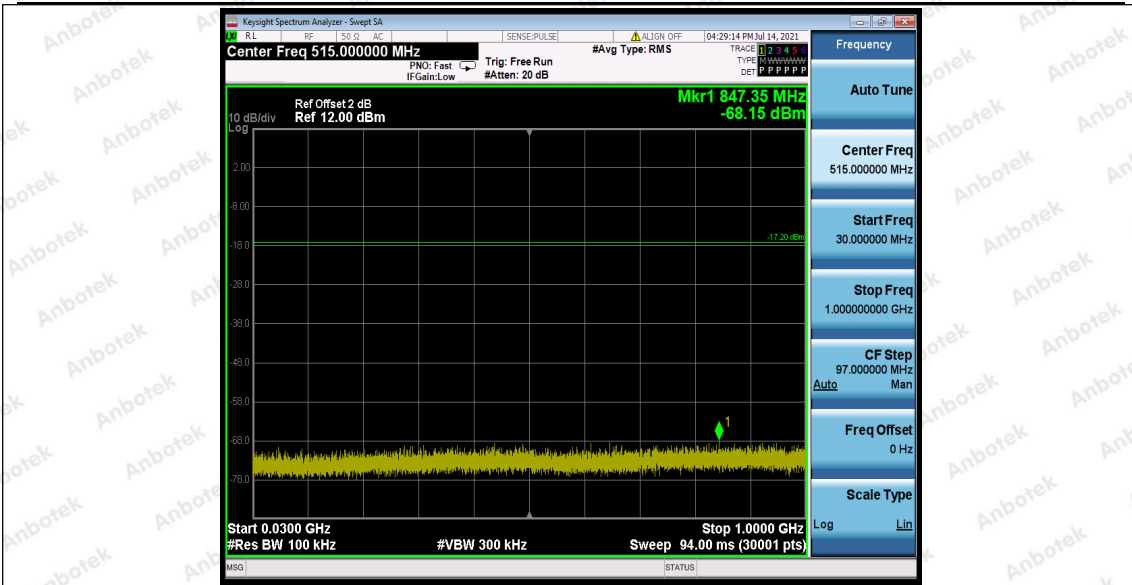


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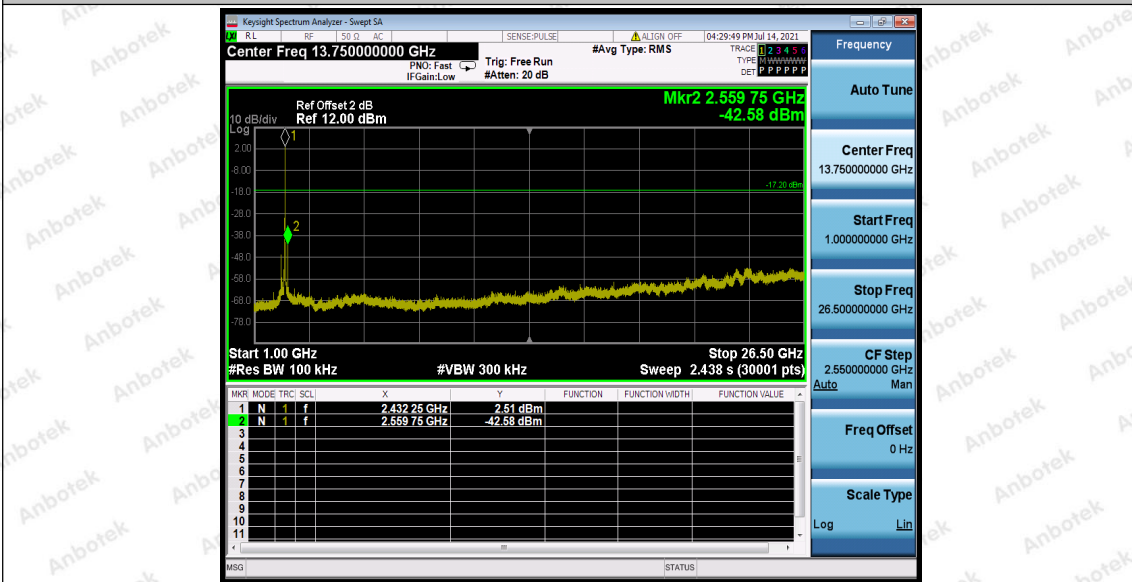
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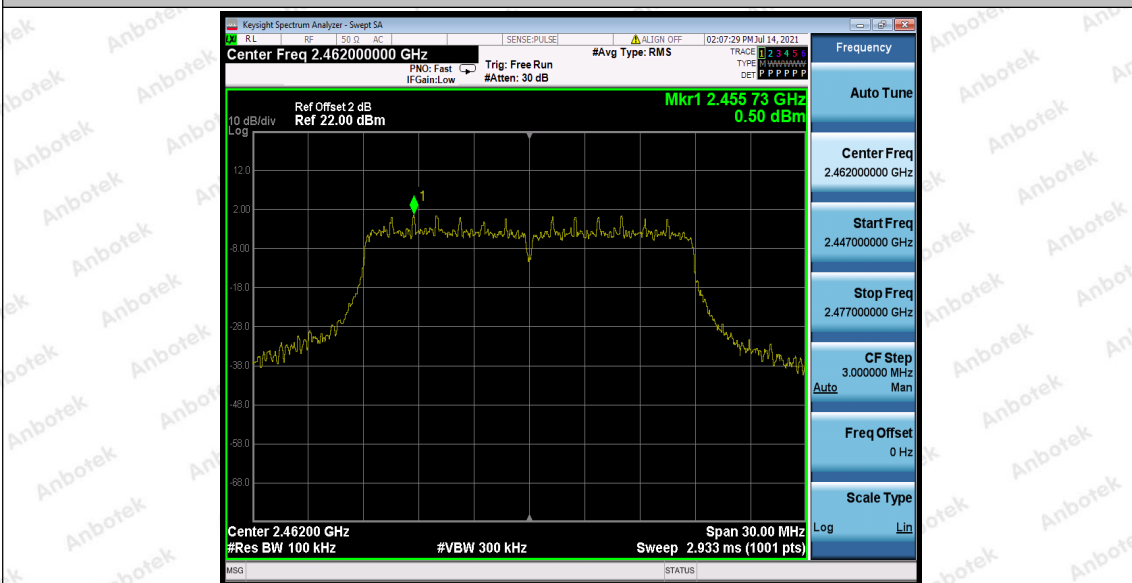
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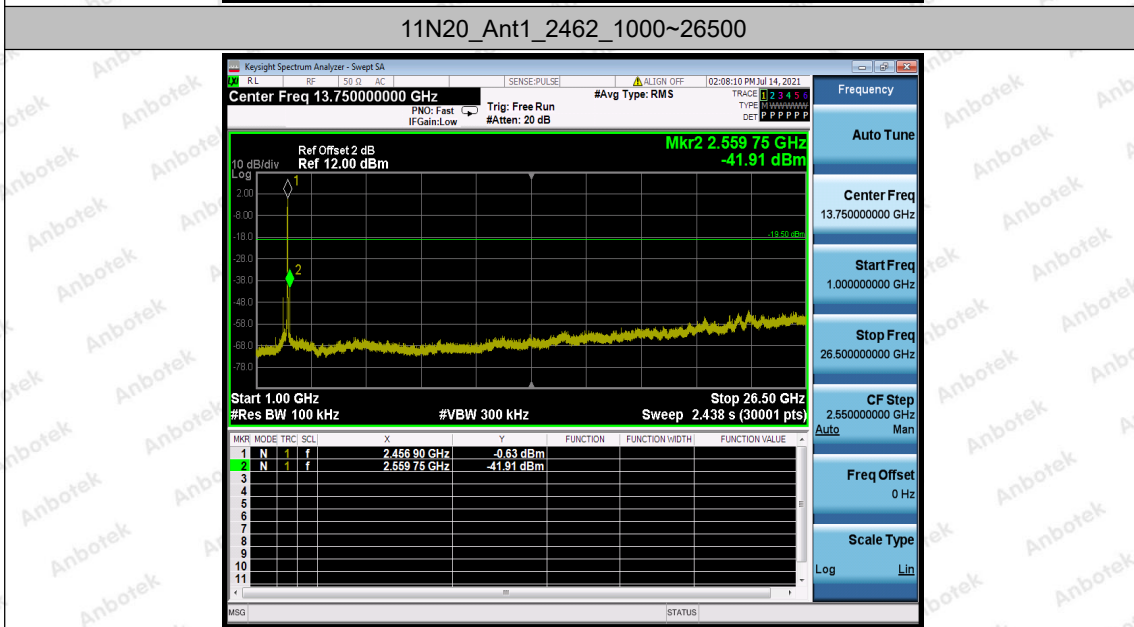
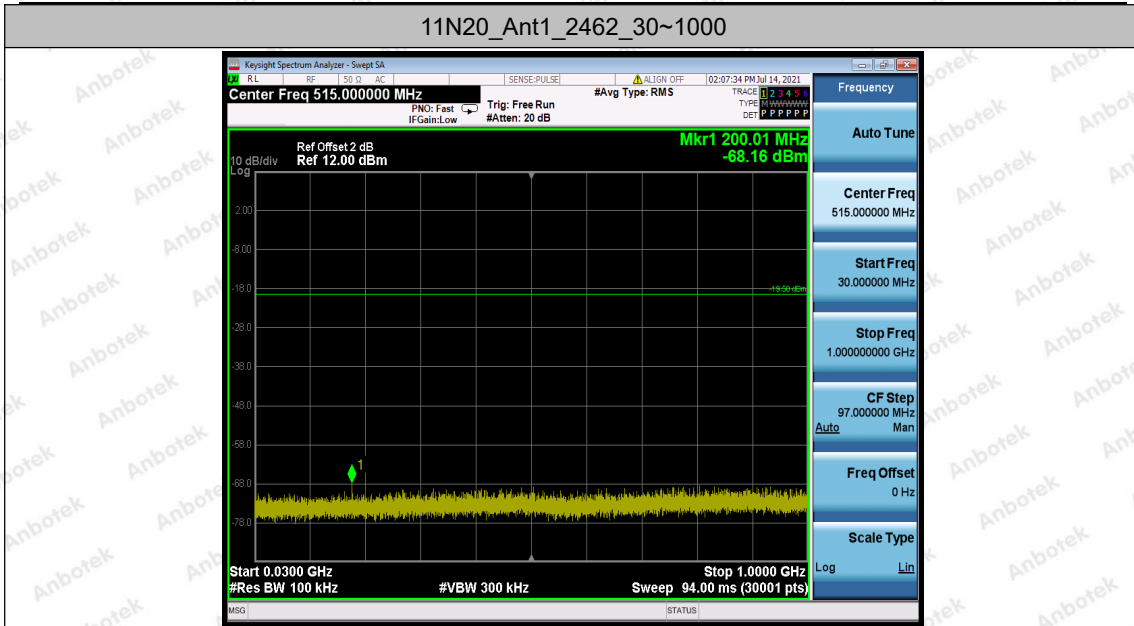


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Appendix G: Duty Cycle


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

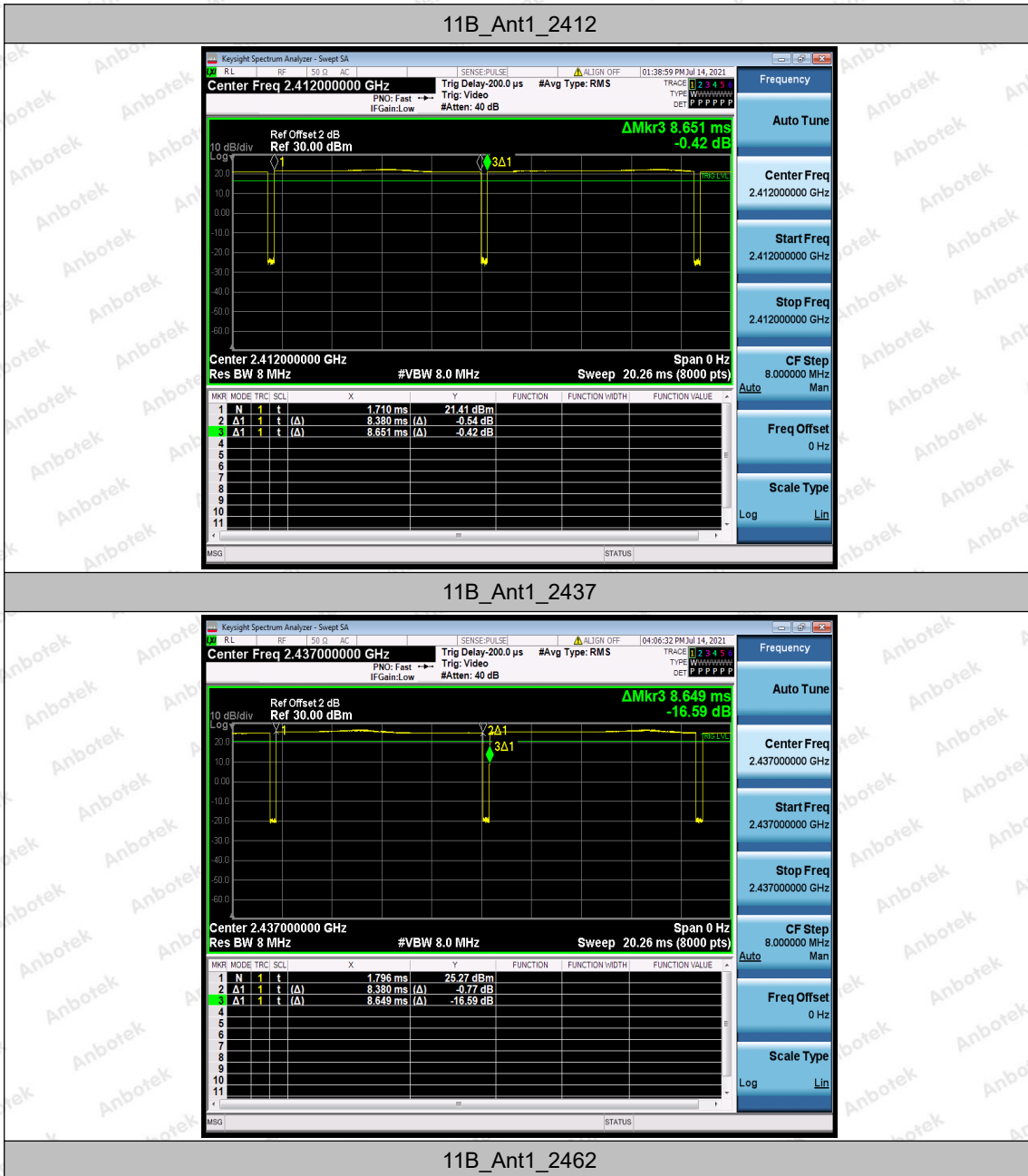
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Test Graphs

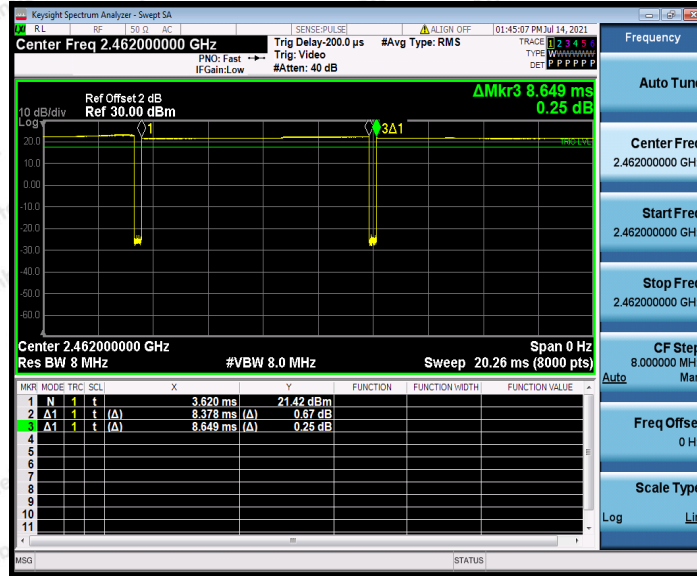


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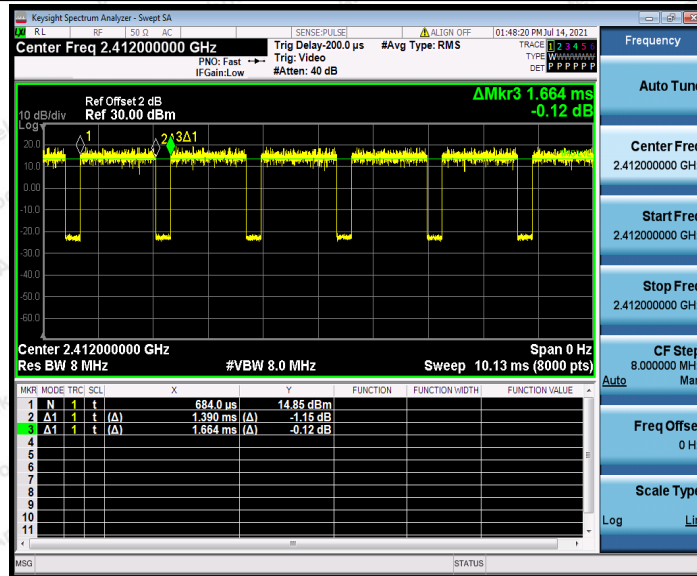
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

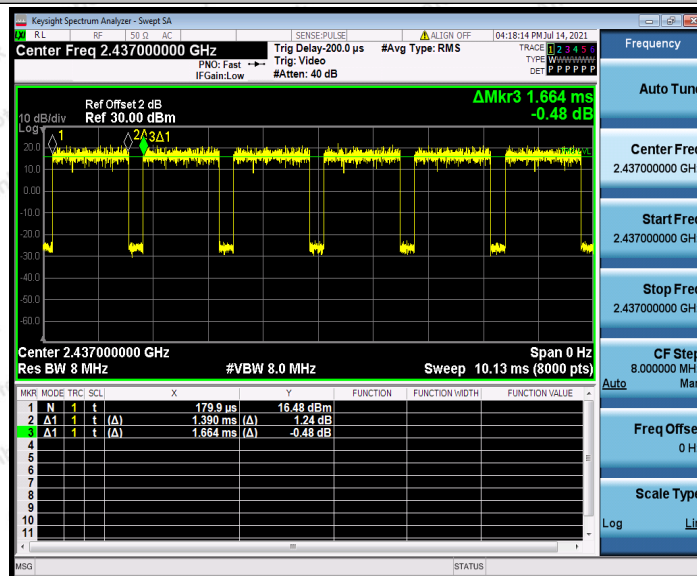
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11G_Ant1_2412



11G_Ant1_2437

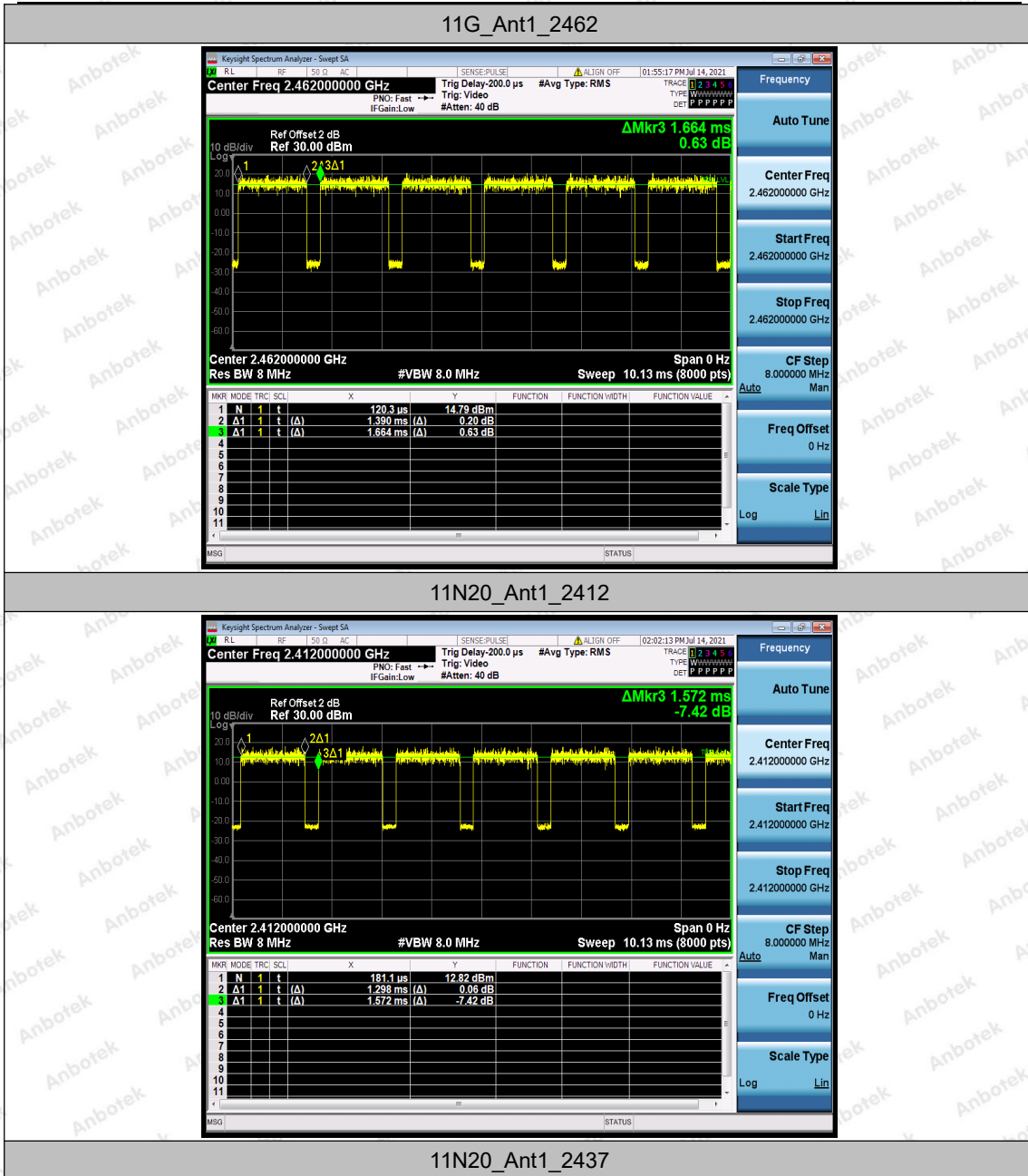


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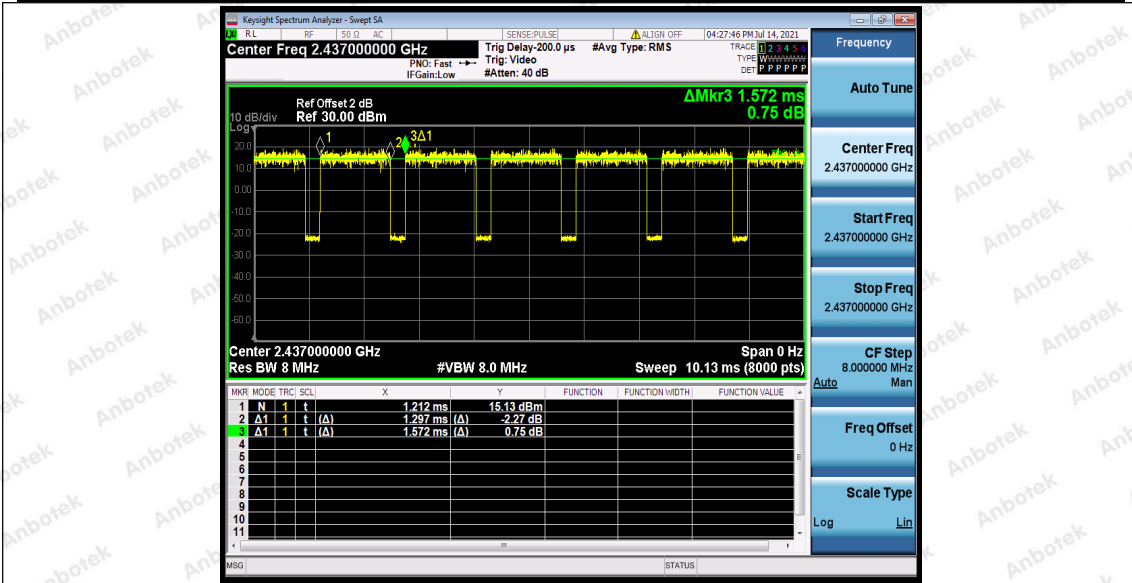
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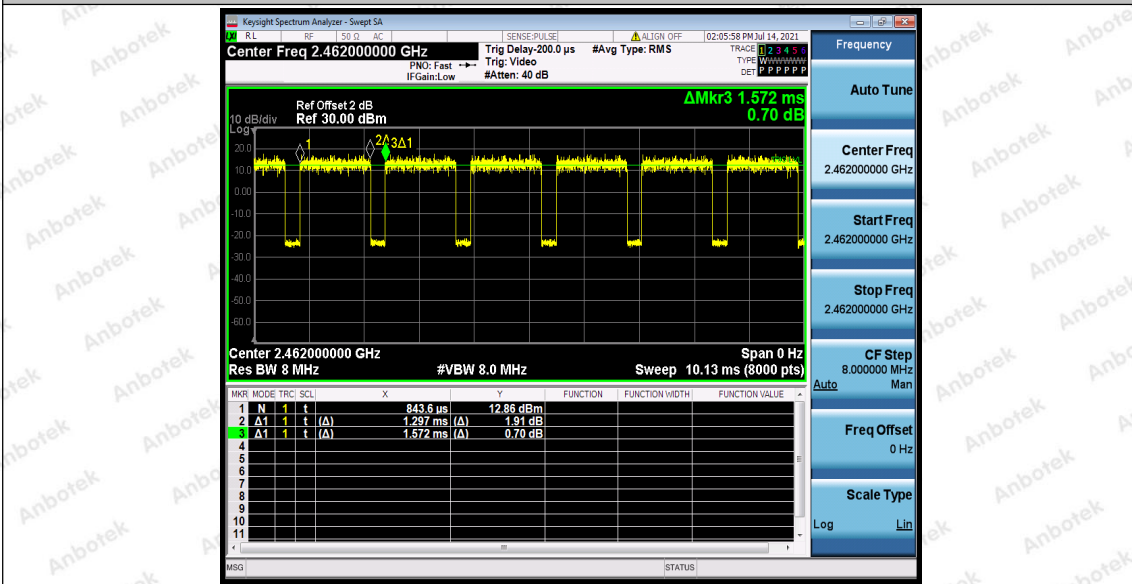
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11N20_Ant1_2462



---End---