

Appendix Test Data

Report No.:	18220WC20231801	Test Sample No.:	1-2-2
Start Test Date:	2022.9.27	Finish Test Date:	2022.10.8
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	8.520	2408.000	2416.520	≥0.5	PASS
		2437	9.080	2432.480	2441.560	≥0.5	PASS
		2462	9.040	2457.520	2466.560	≥0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	≥0.5	PASS
		2437	16.360	2428.840	2445.200	≥0.5	PASS
		2462	16.360	2453.840	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.560	2403.240	2420.800	≥0.5	PASS
		2437	17.560	2428.240	2445.800	≥0.5	PASS
		2462	17.560	2453.240	2470.800	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2412



11G_Ant1_2437

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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]
11B	Ant1	2412	13.422	2405.3612	2418.7832
		2437	13.408	2430.3406	2443.7486
		2462	13.356	2455.3449	2468.7009
11G	Ant1	2412	17.001	2403.5596	2420.5606
		2437	17.073	2428.5080	2445.5810
		2462	17.130	2453.4798	2470.6098
11N20	Ant1	2412	18.002	2403.0611	2421.0631
		2437	17.985	2428.0550	2446.0400
		2462	18.115	2452.9904	2471.1054



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

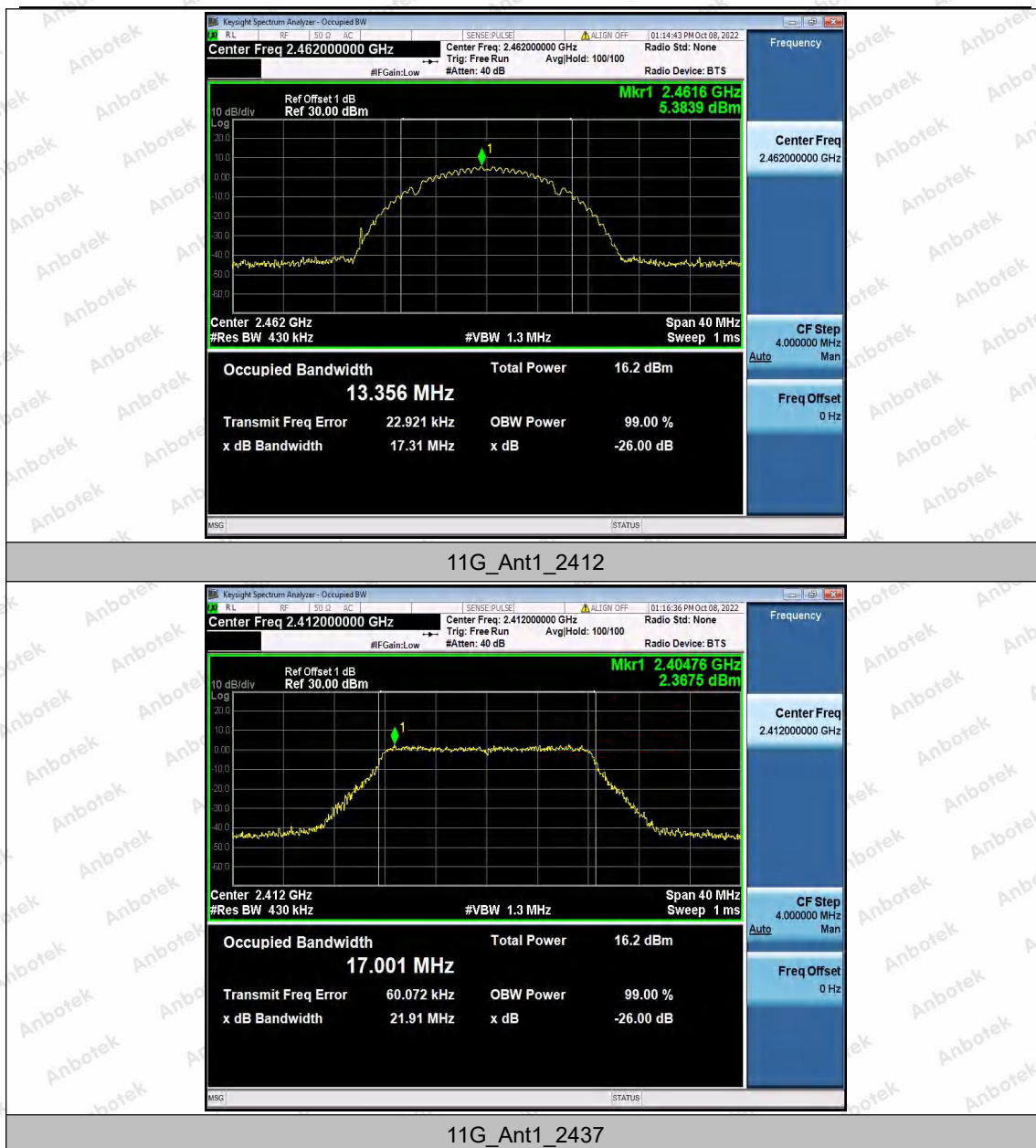
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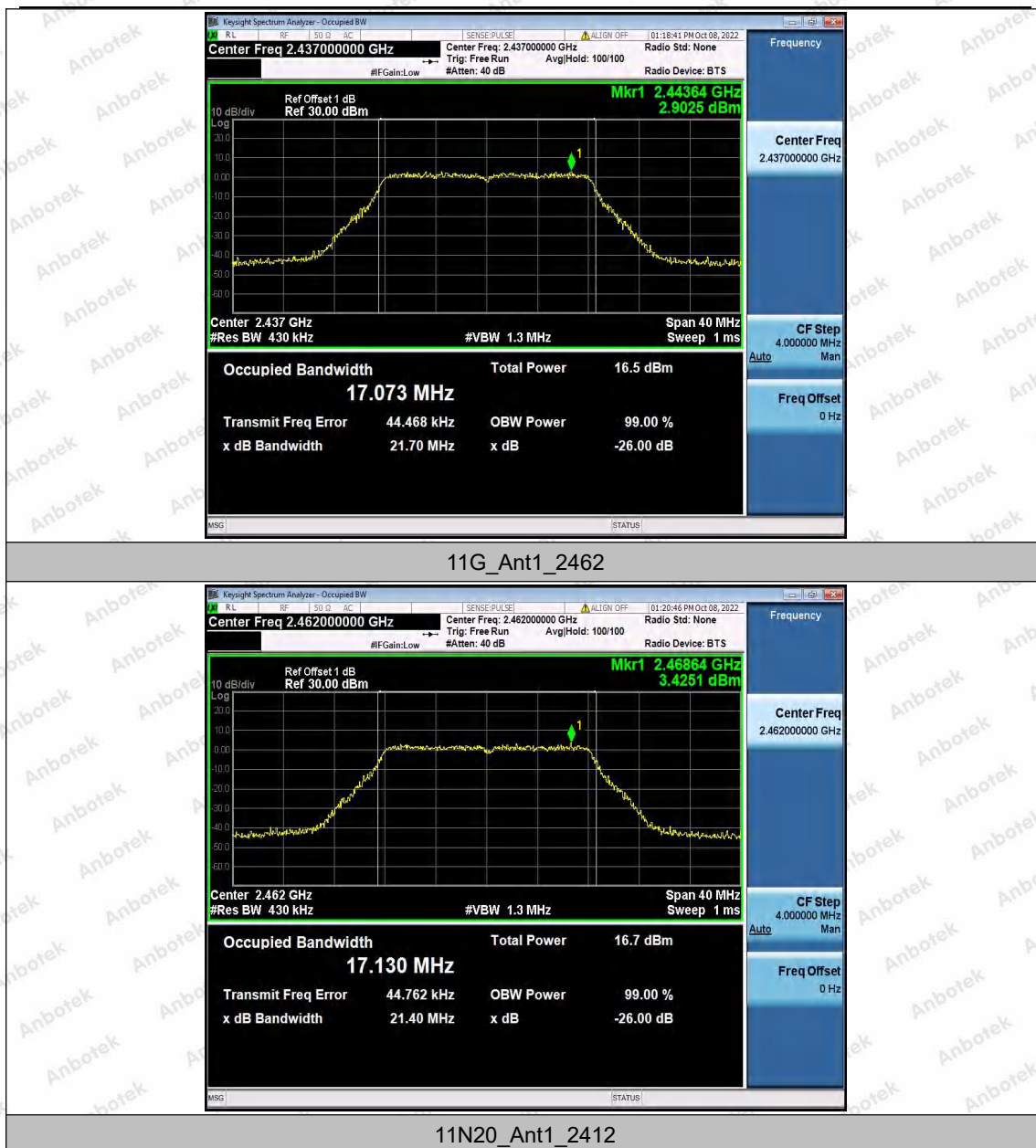
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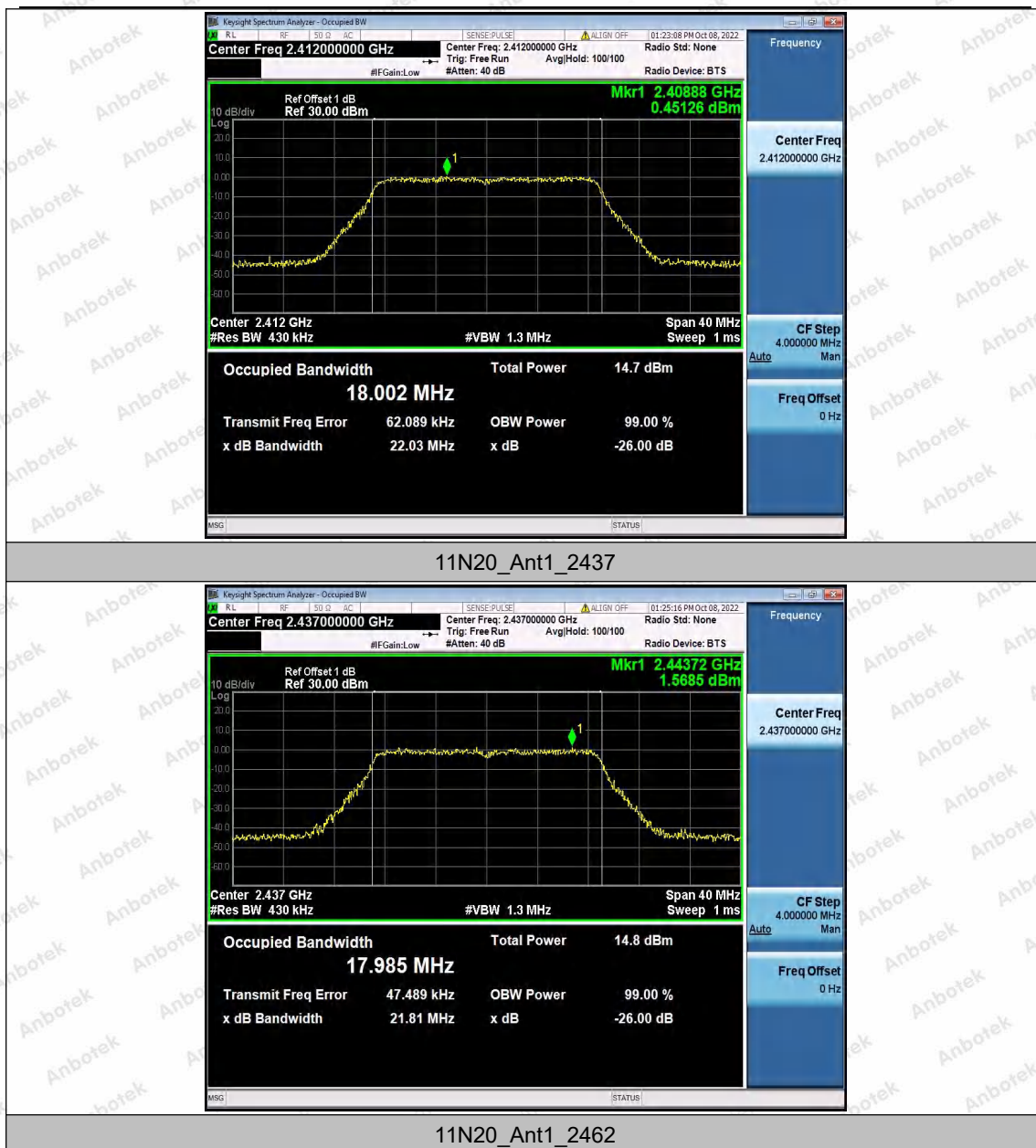
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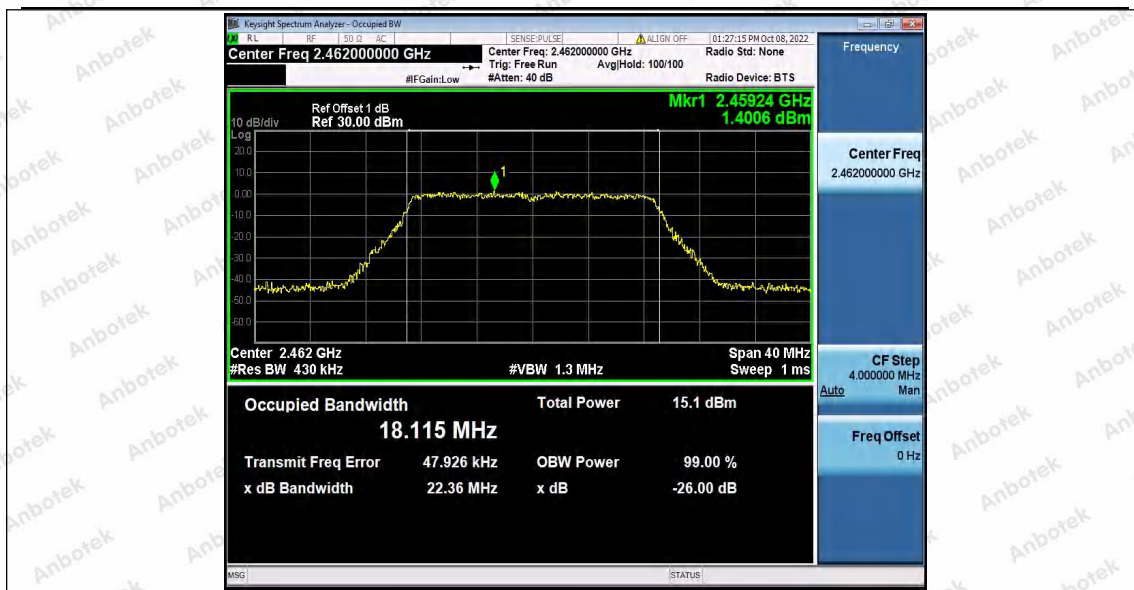
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	15.94	≤30.00
		2437	16.14	≤30.00
		2462	16.55	≤30.00
11G	Ant1	2412	17.40	≤30.00
		2437	17.71	≤30.00
		2462	17.79	≤30.00
11N20	Ant1	2412	15.82	≤30.00
		2437	16.15	≤30.00
		2462	16.32	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.54	≤8.00	PASS
		2437	-9.46	≤8.00	PASS
		2462	-6.38	≤8.00	PASS
11G	Ant1	2412	-14.48	≤8.00	PASS
		2437	-15.13	≤8.00	PASS
		2462	-14.66	≤8.00	PASS
11N20	Ant1	2412	-15.47	≤8.00	PASS
		2437	-16.91	≤8.00	PASS
		2462	-14.89	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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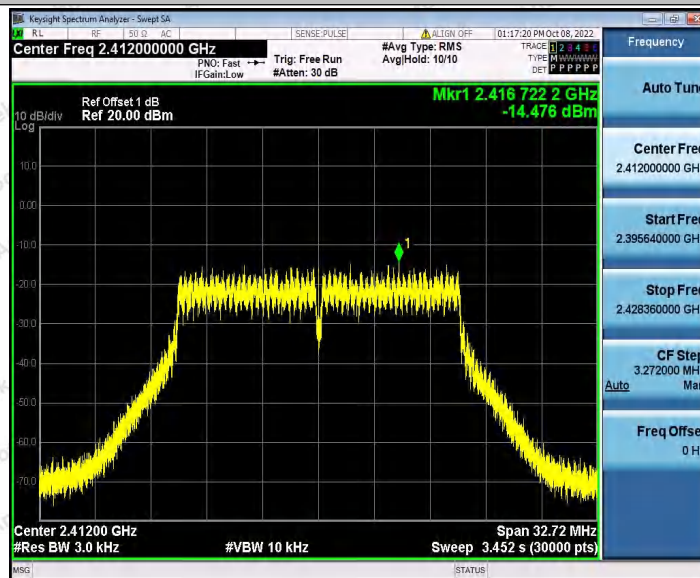


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11G_Ant1_2412



11G_Ant1_2437

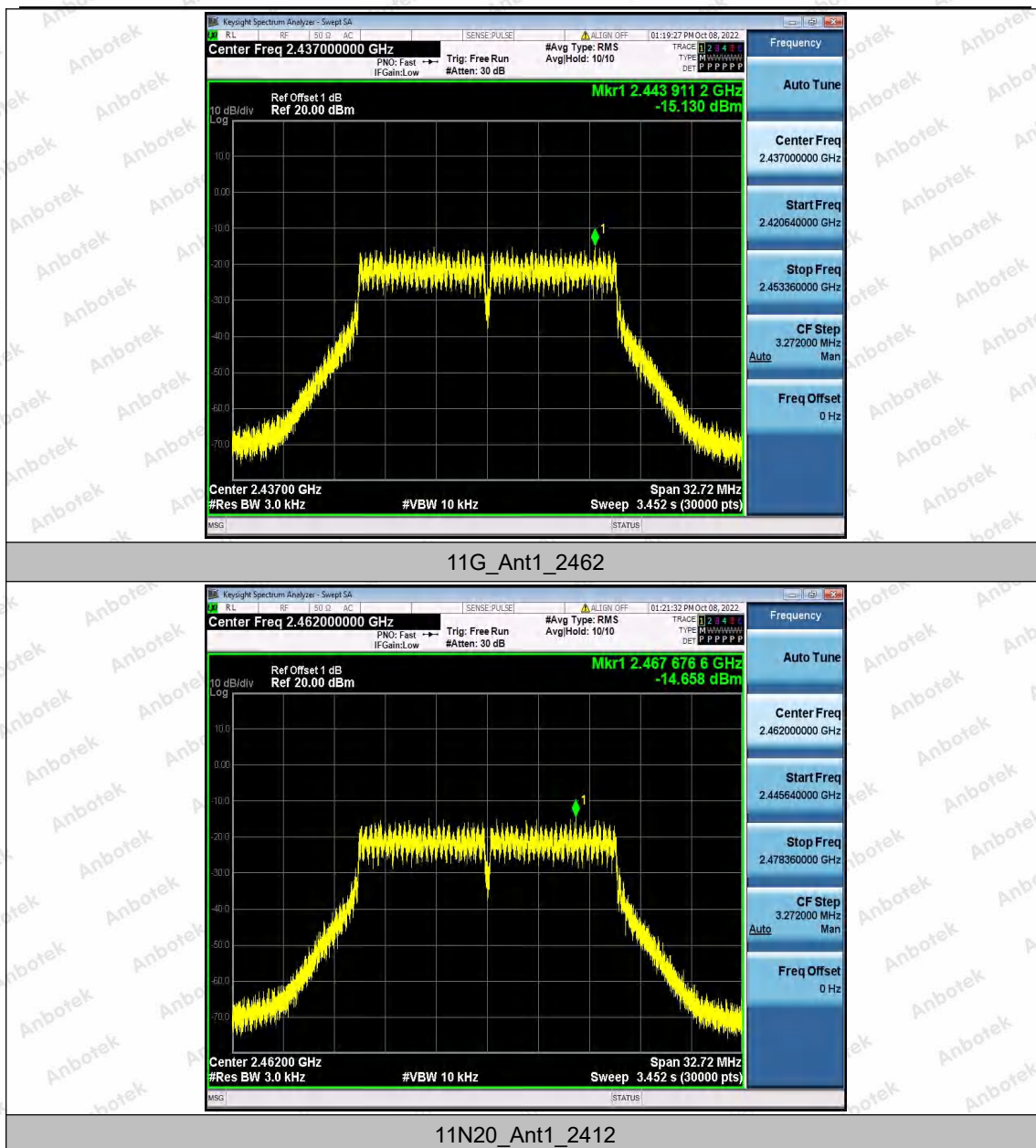
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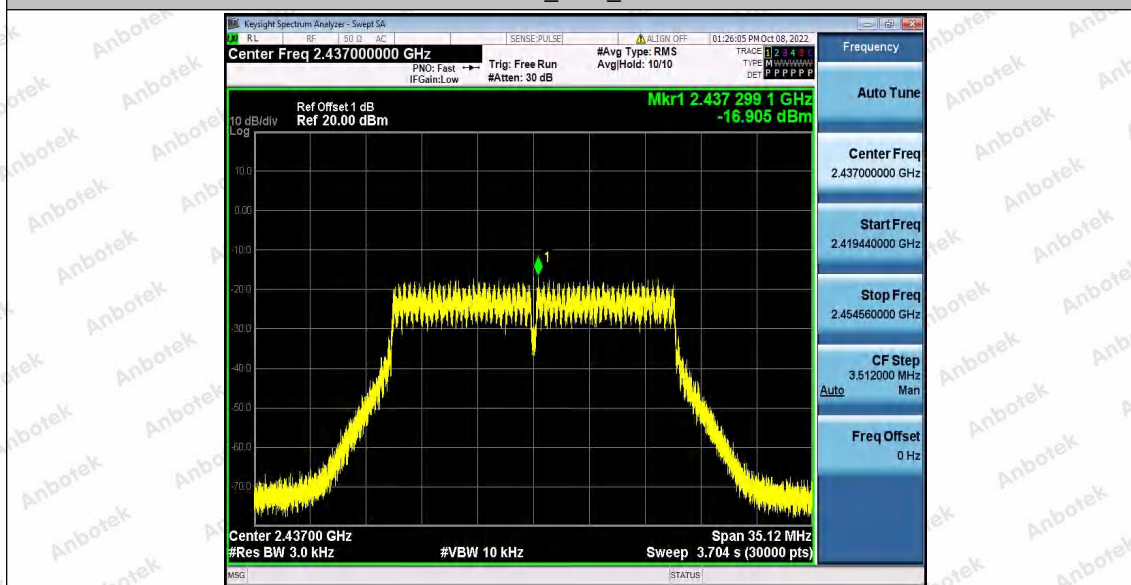
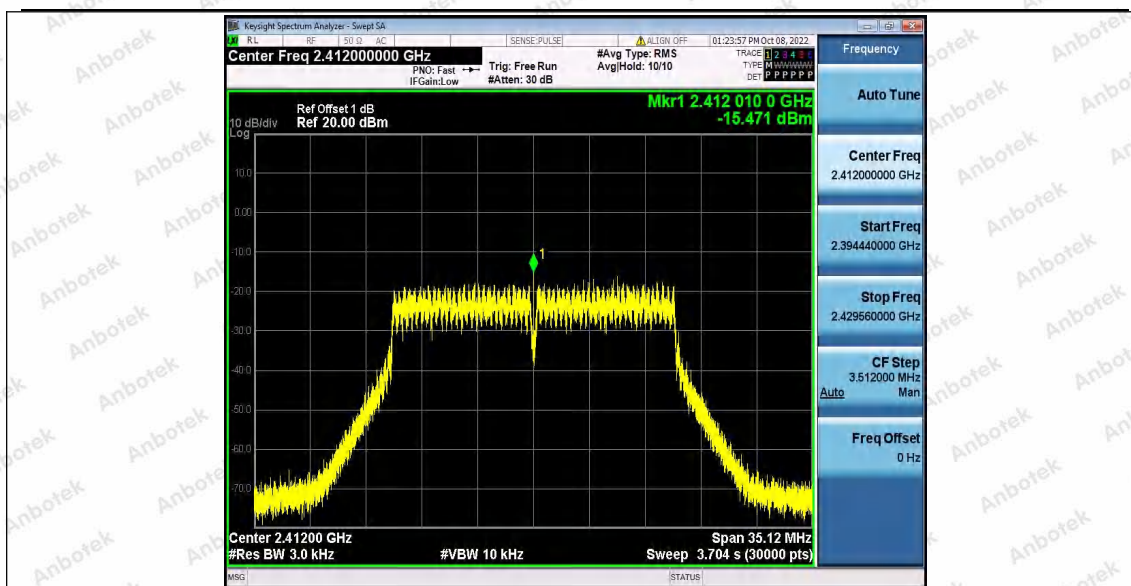
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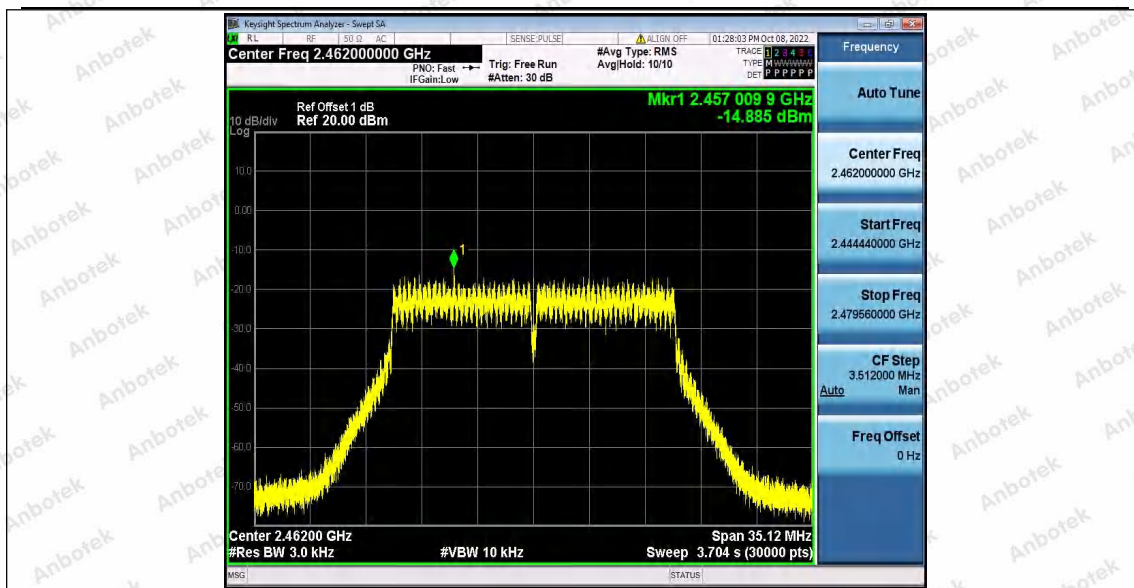
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Appendix E: Band edge measurements

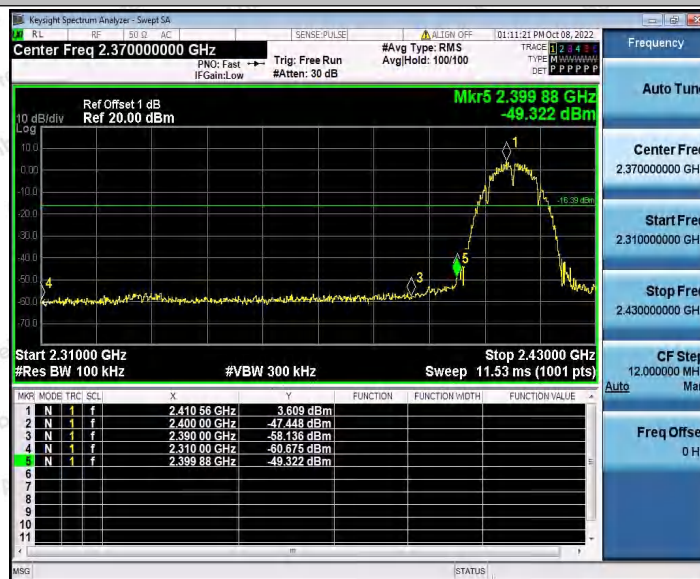
Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	Reference Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	3.61	-49.32	≤ -16.39	PASS
		High	2462	4.73	-55.58	≤ -15.27	PASS
11G	Ant1	Low	2412	-1.38	-41.79	≤ -21.38	PASS
		High	2462	-1.19	-55.08	≤ -21.19	PASS
11N20	Ant1	Low	2412	-2.41	-42.44	≤ -22.41	PASS
		High	2462	-2.22	-54.82	≤ -22.22	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

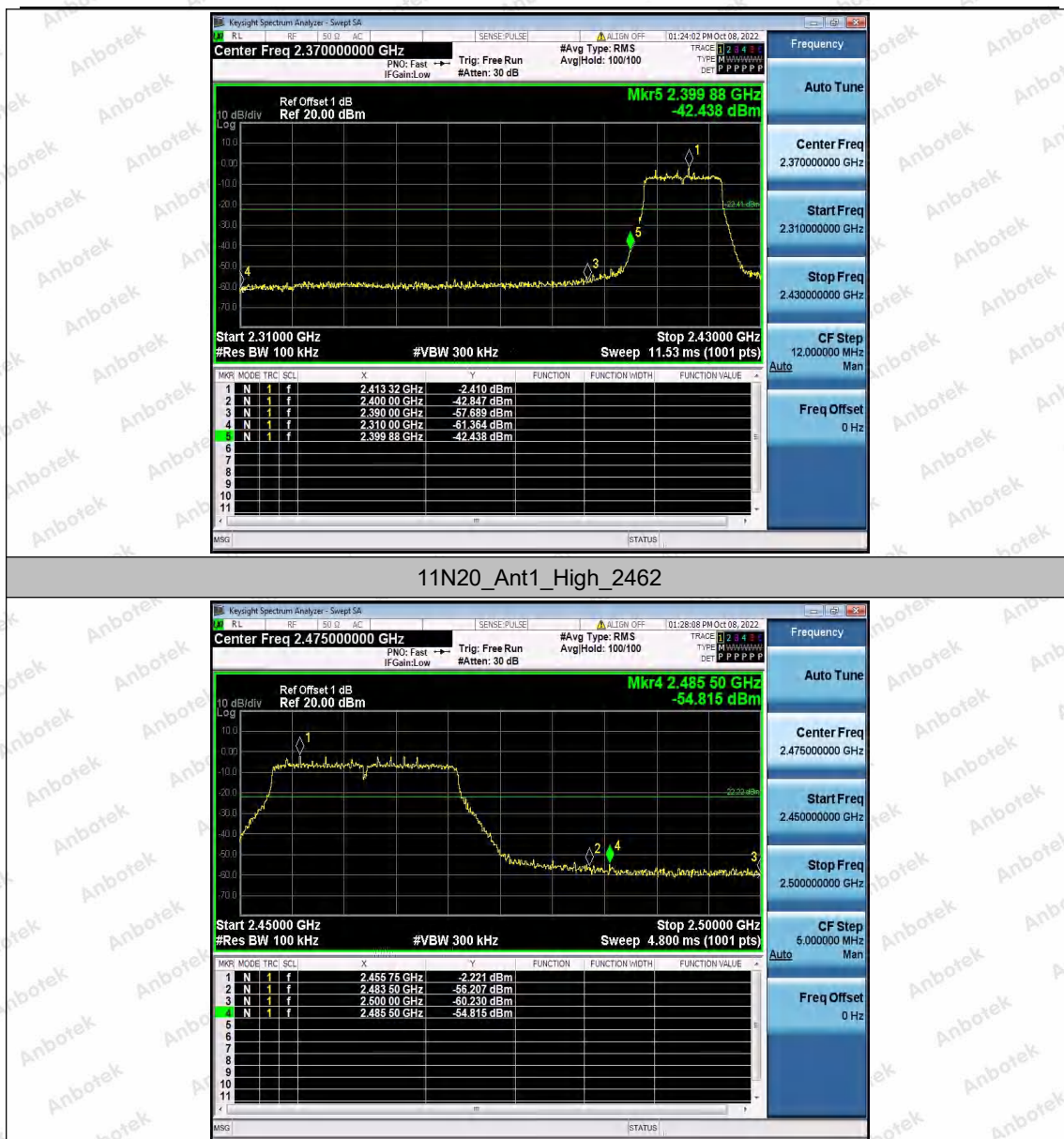
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.88	2.88	---	PASS
			30~1000	2.88	-69.22	≤-17.12	PASS
			1000~26500	2.88	-35.01	≤-17.12	PASS
		2437	Reference	2.39	2.39	---	PASS
			30~1000	2.39	-69.39	≤-17.61	PASS
			1000~26500	2.39	-32.97	≤-17.61	PASS
		2462	Reference	2.98	2.98	---	PASS
			30~1000	2.98	-69.33	≤-17.02	PASS
			1000~26500	2.98	-31.4	≤-17.02	PASS
11G	Ant1	2412	Reference	-3.78	-3.78	---	PASS
			30~1000	-3.78	-69.84	≤-23.78	PASS
			1000~26500	-3.78	-46.15	≤-23.78	PASS
		2437	Reference	-4.31	-4.31	---	PASS
			30~1000	-4.31	-69.17	≤-24.31	PASS
			1000~26500	-4.31	-46.85	≤-24.31	PASS
		2462	Reference	-0.67	-0.67	---	PASS
			30~1000	-0.67	-69.43	≤-20.67	PASS
			1000~26500	-0.67	-46.11	≤-20.67	PASS
11N20	Ant1	2412	Reference	-3.38	-3.38	---	PASS
			30~1000	-3.38	-68.83	≤-23.38	PASS
			1000~26500	-3.38	-52	≤-23.38	PASS
		2437	Reference	-3.06	-3.06	---	PASS
			30~1000	-3.06	-68.81	≤-23.06	PASS
			1000~26500	-3.06	-48.76	≤-23.06	PASS
		2462	Reference	-3.19	-3.19	---	PASS
			30~1000	-3.19	-69.48	≤-23.19	PASS
			1000~26500	-3.19	-49.53	≤-23.19	PASS

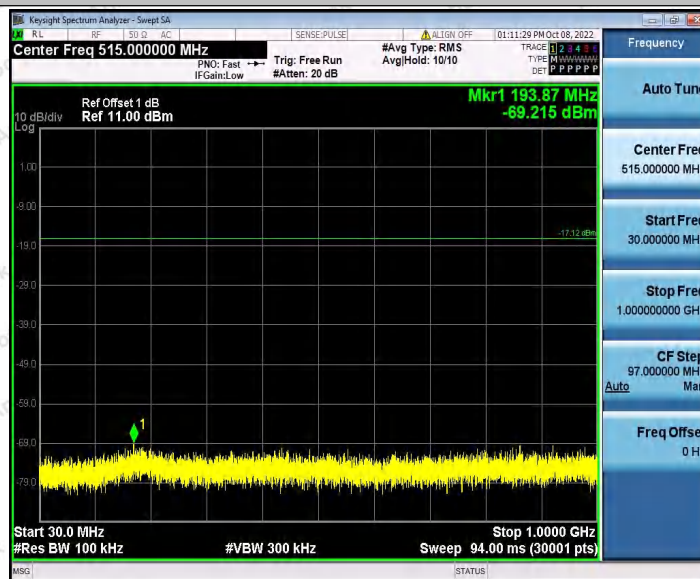


Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

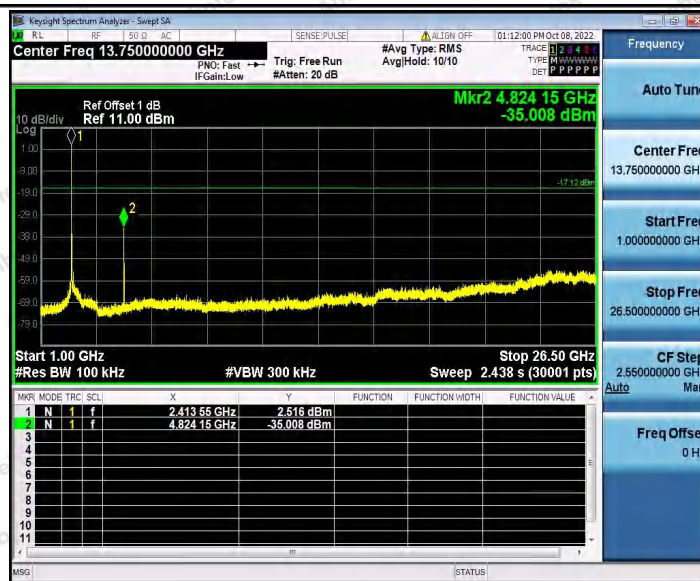
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

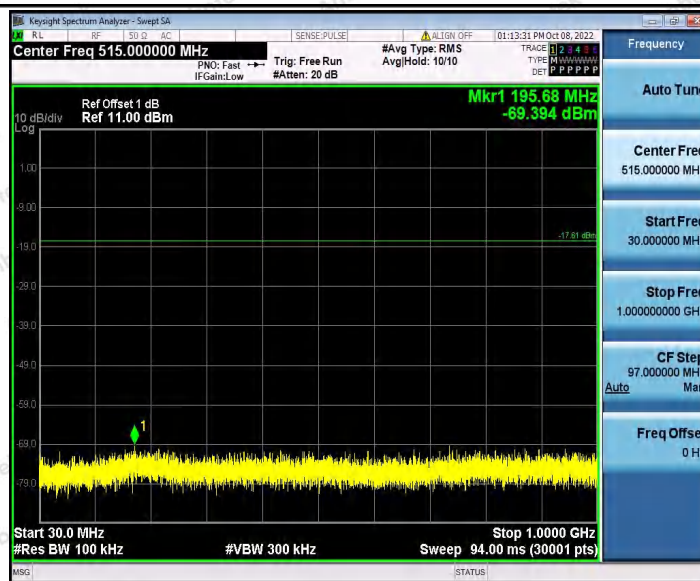
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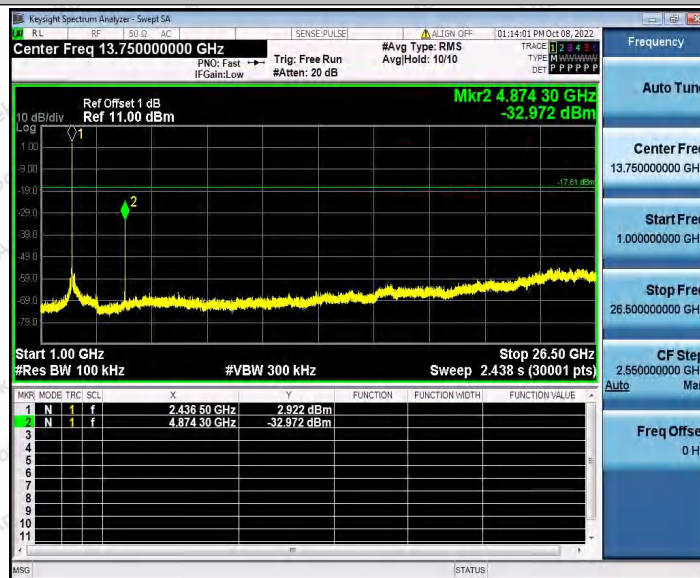


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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference

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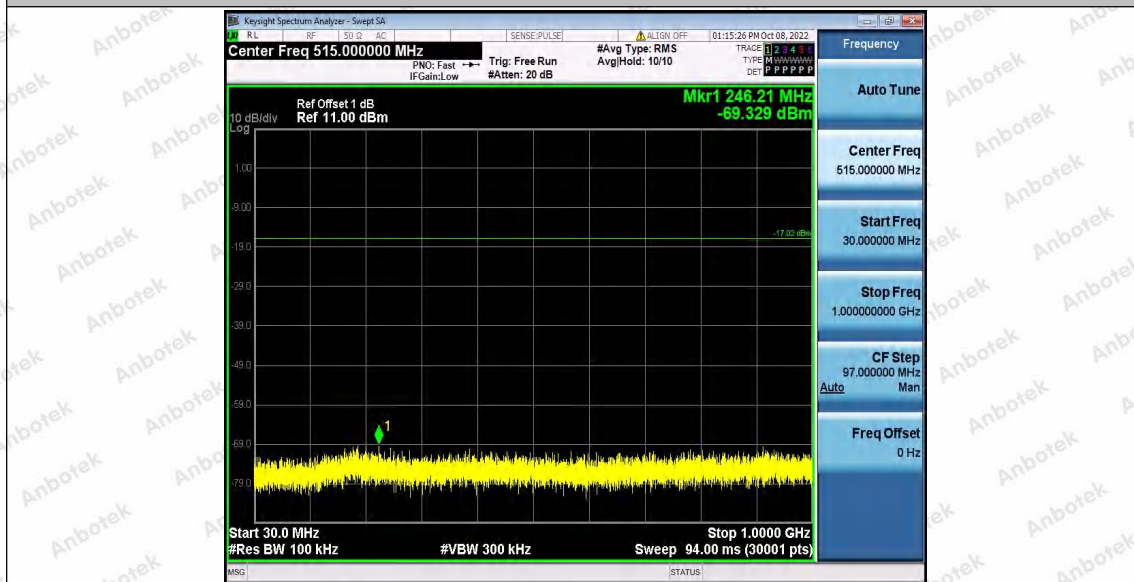


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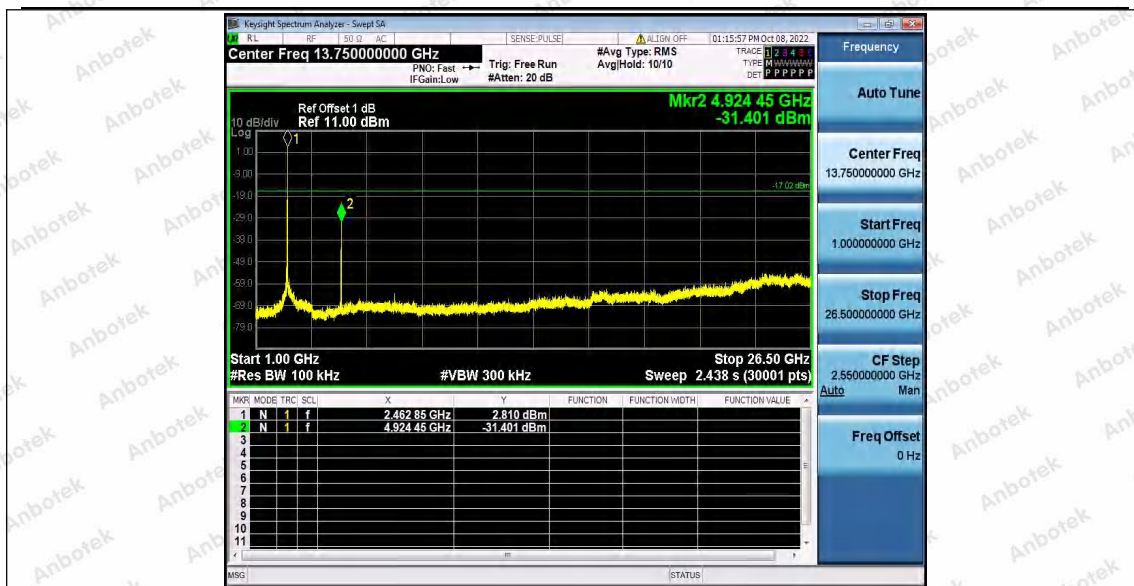


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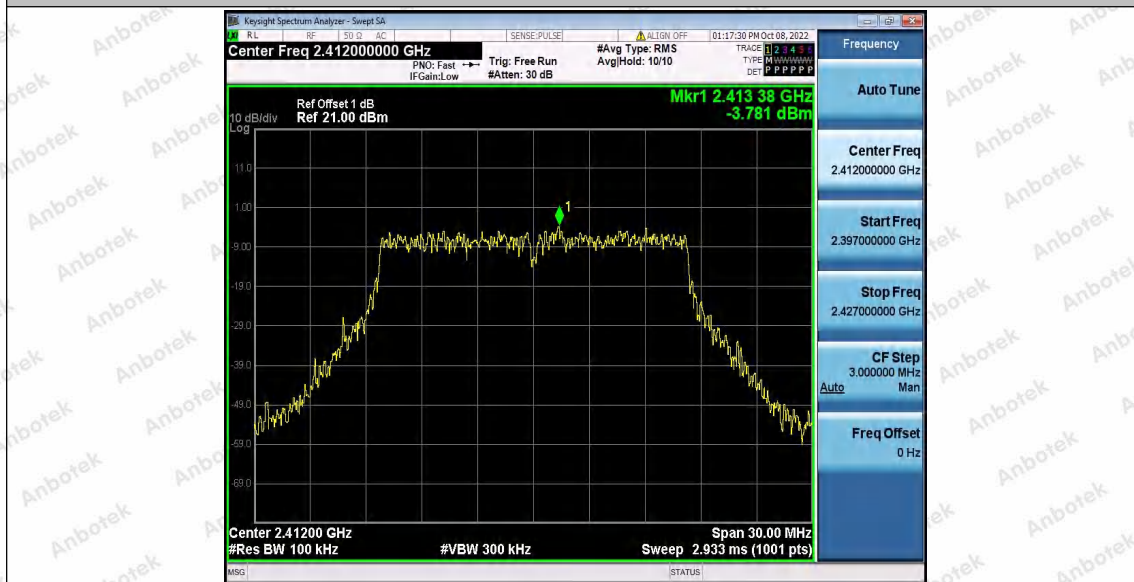


11B_Ant1_2462_1000~26500



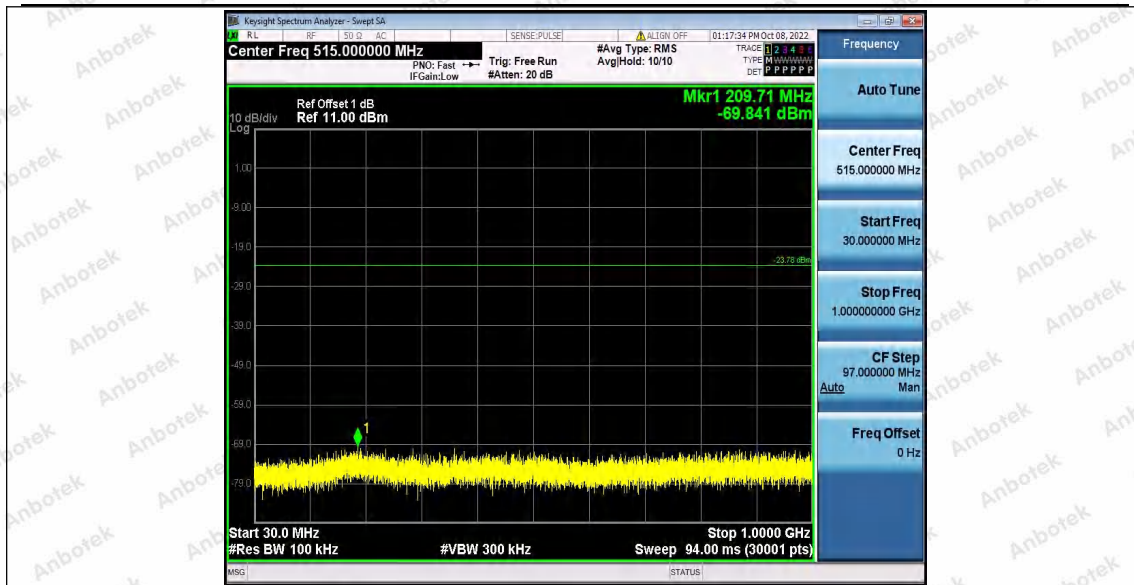


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11G_Ant1_2412_30~1000



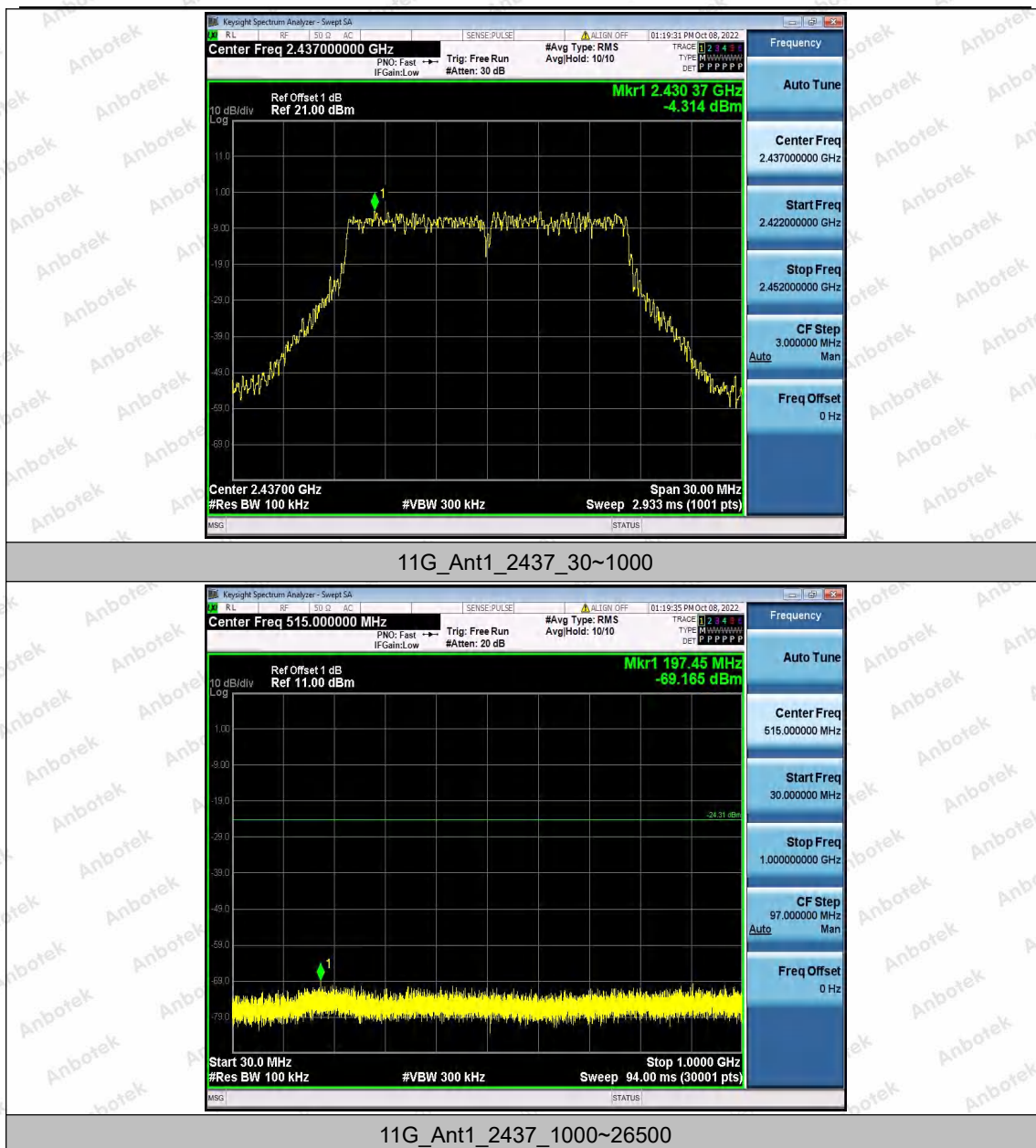


11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference





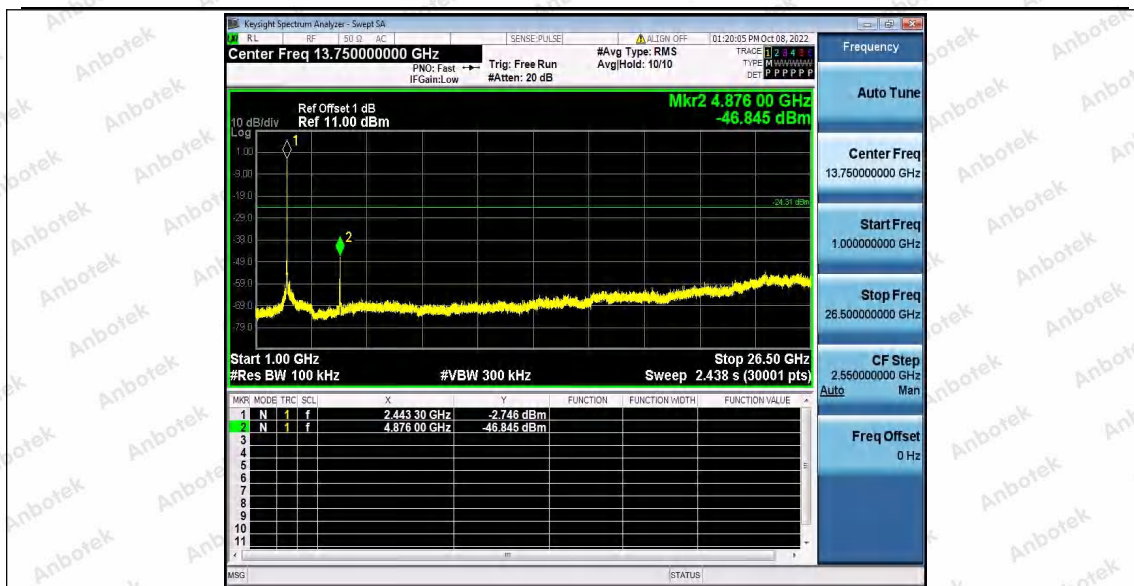
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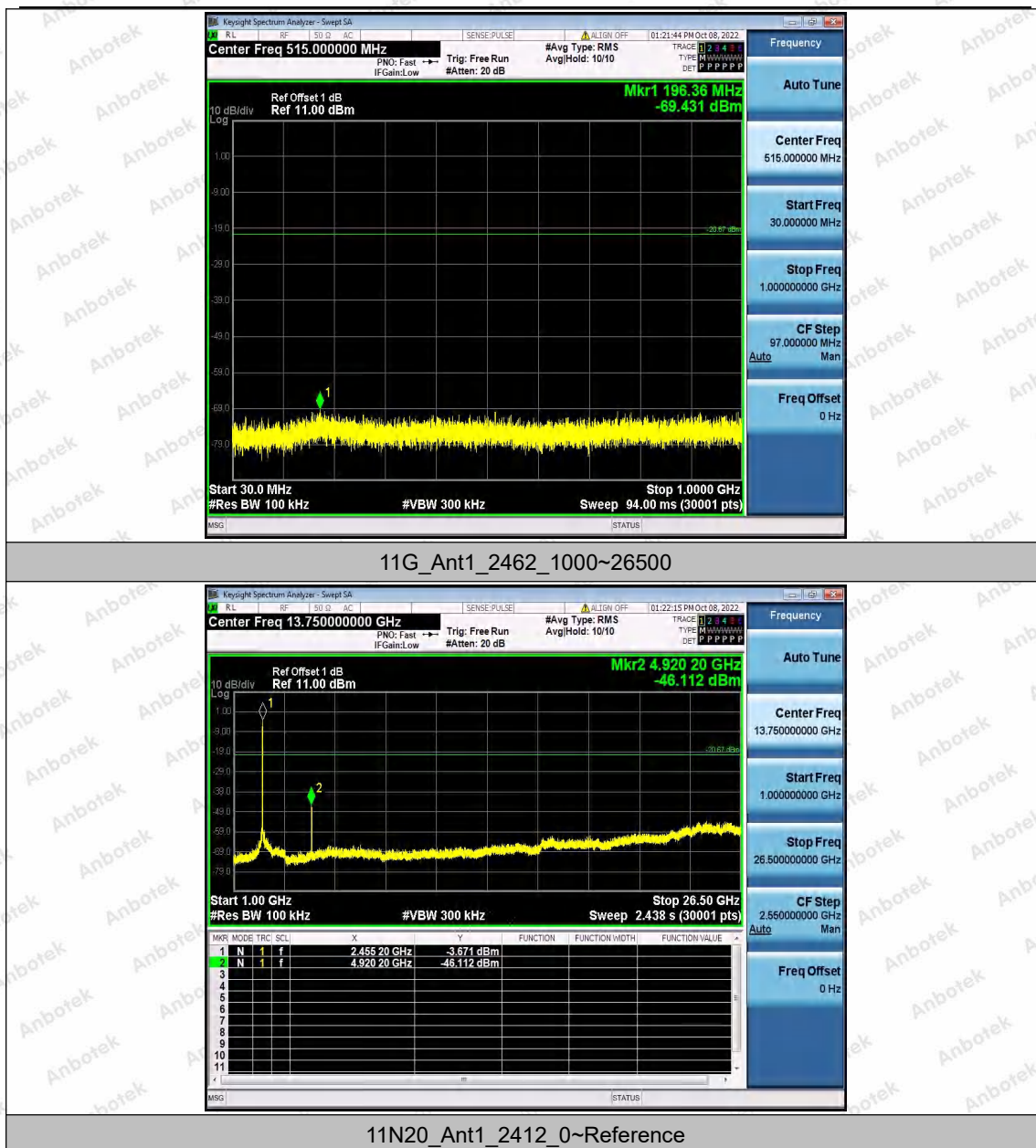


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11G_Ant1_2462_30~1000





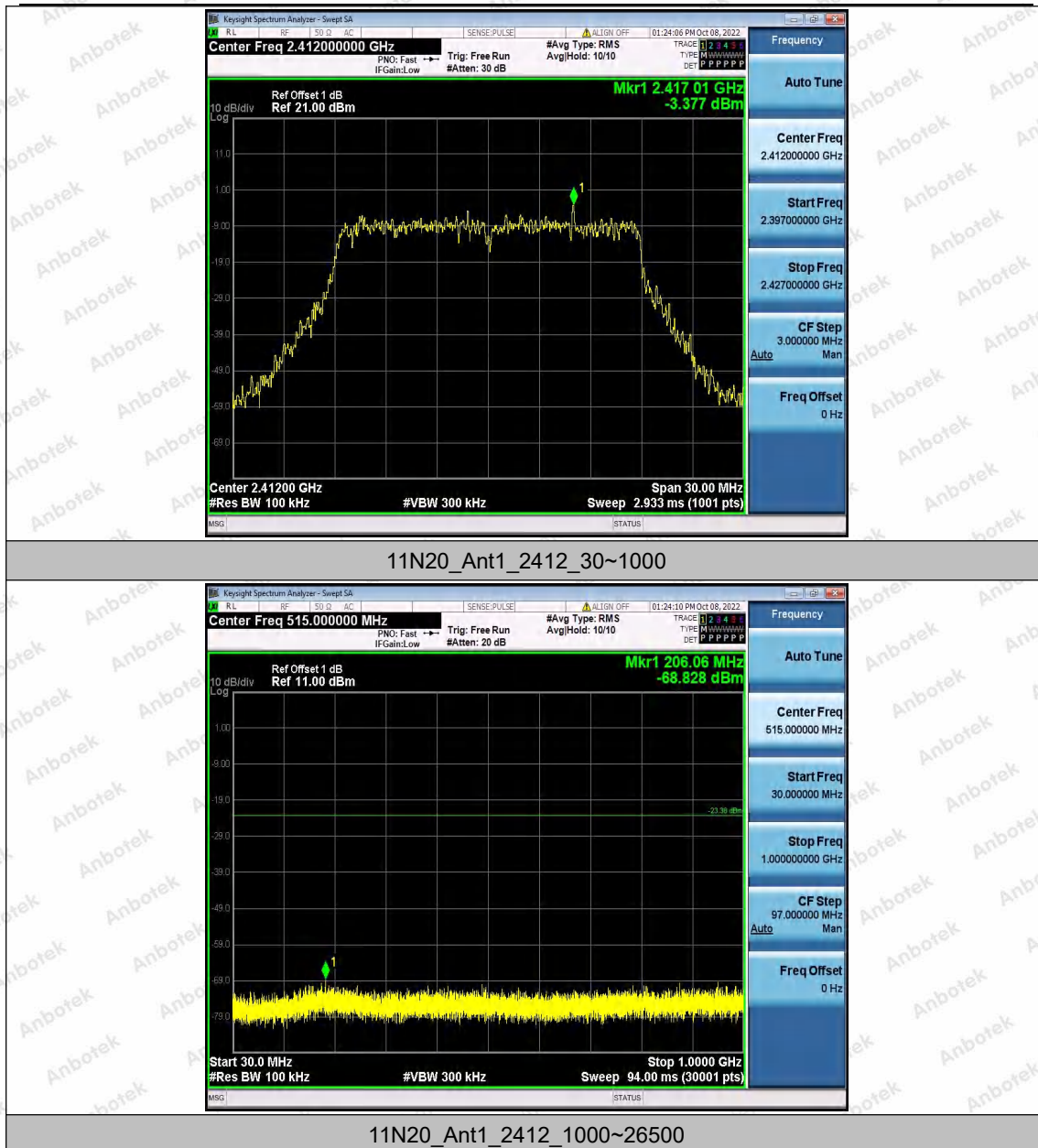
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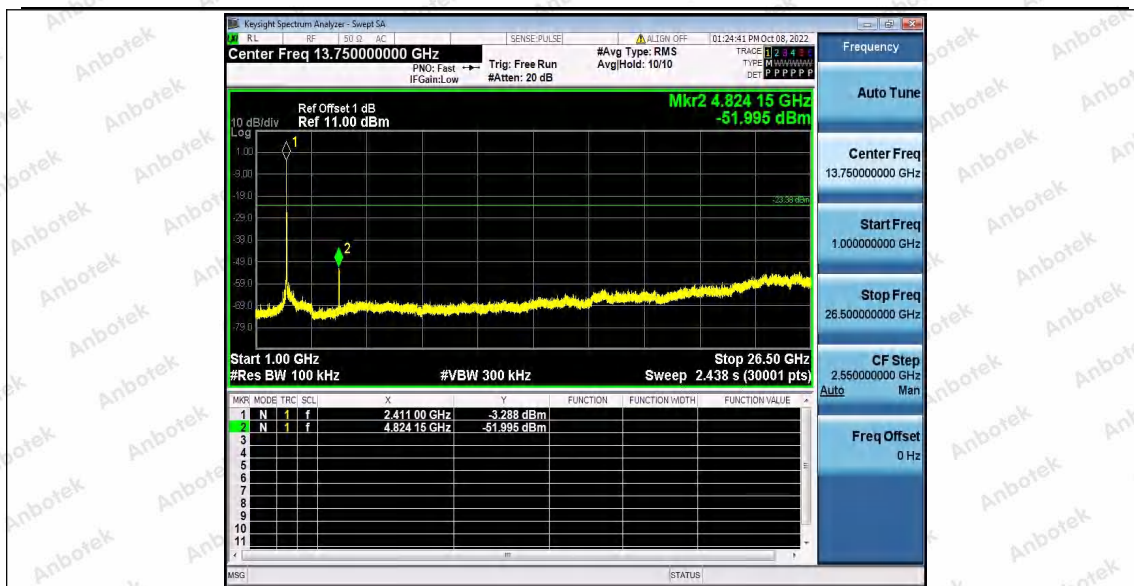
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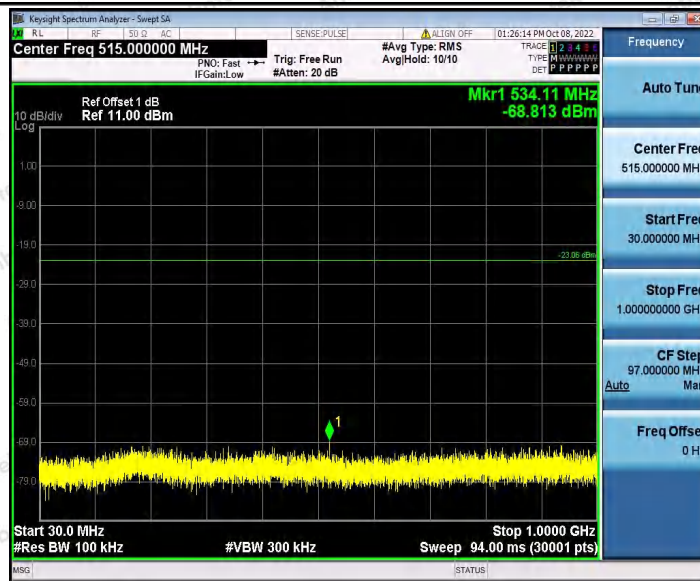


11N20_Ant1_2437_0~Reference



11N20_Ant1_2437_30~1000





11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference

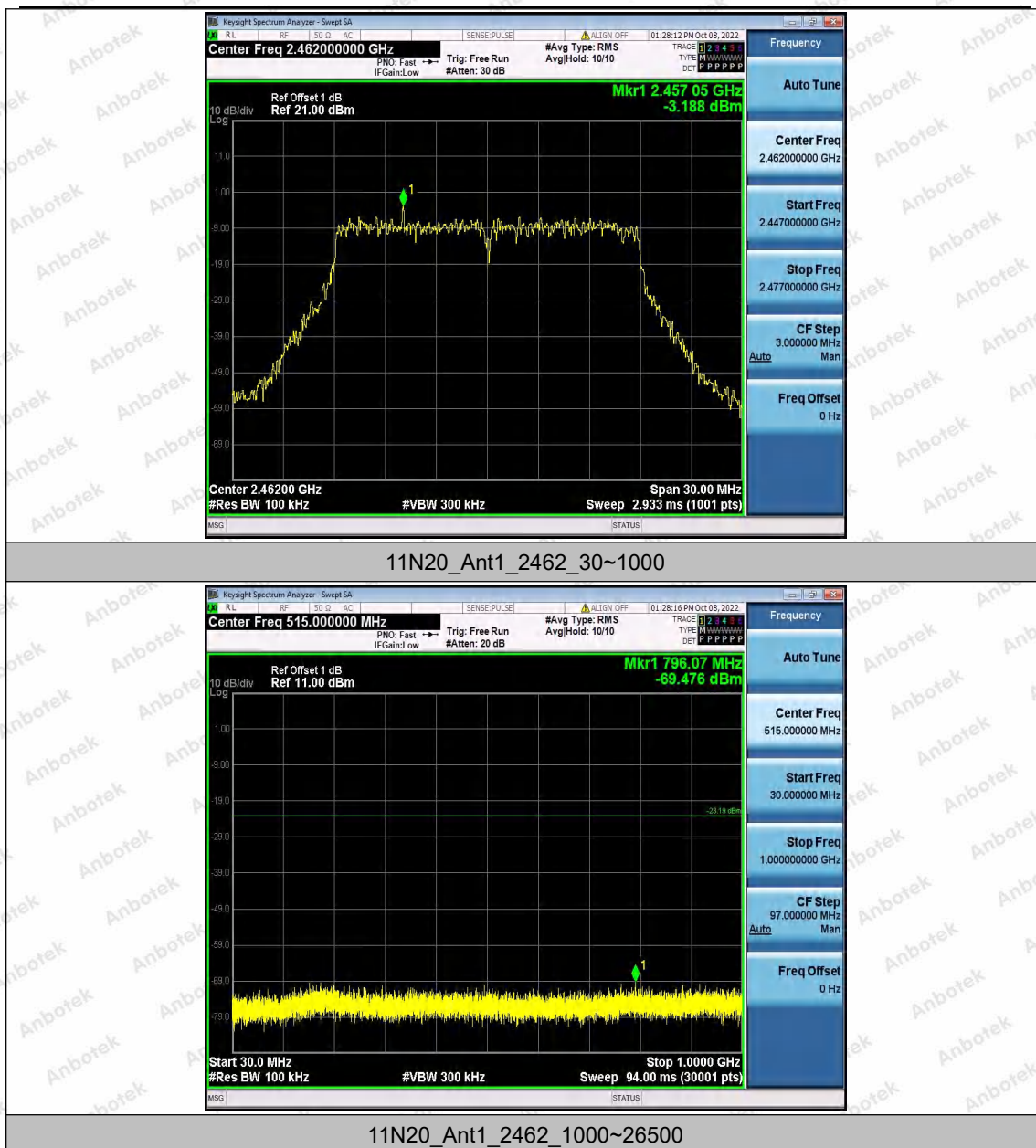
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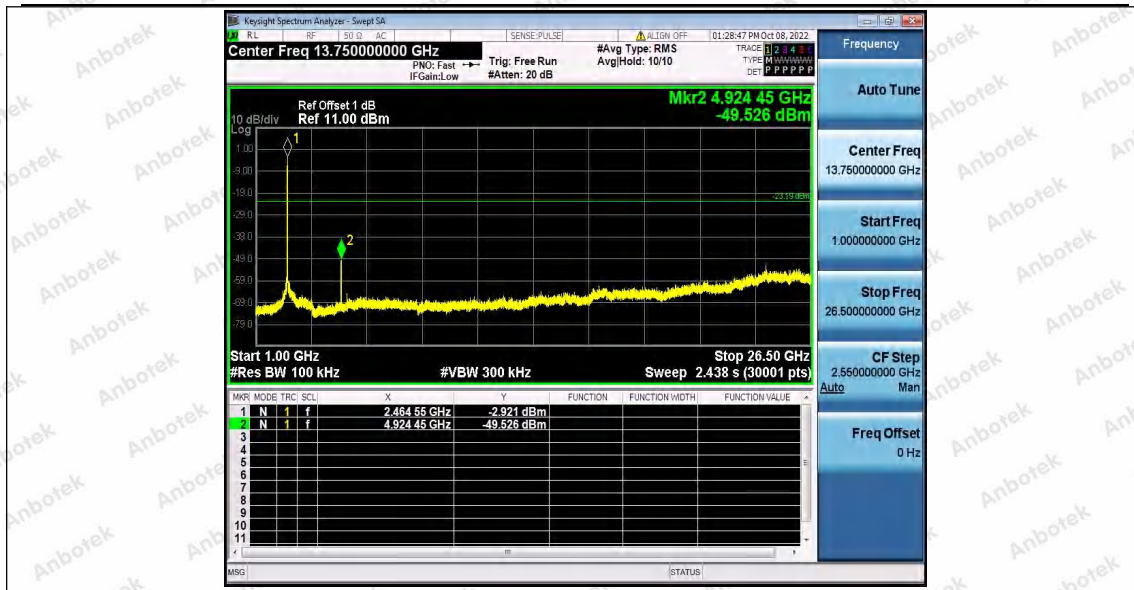
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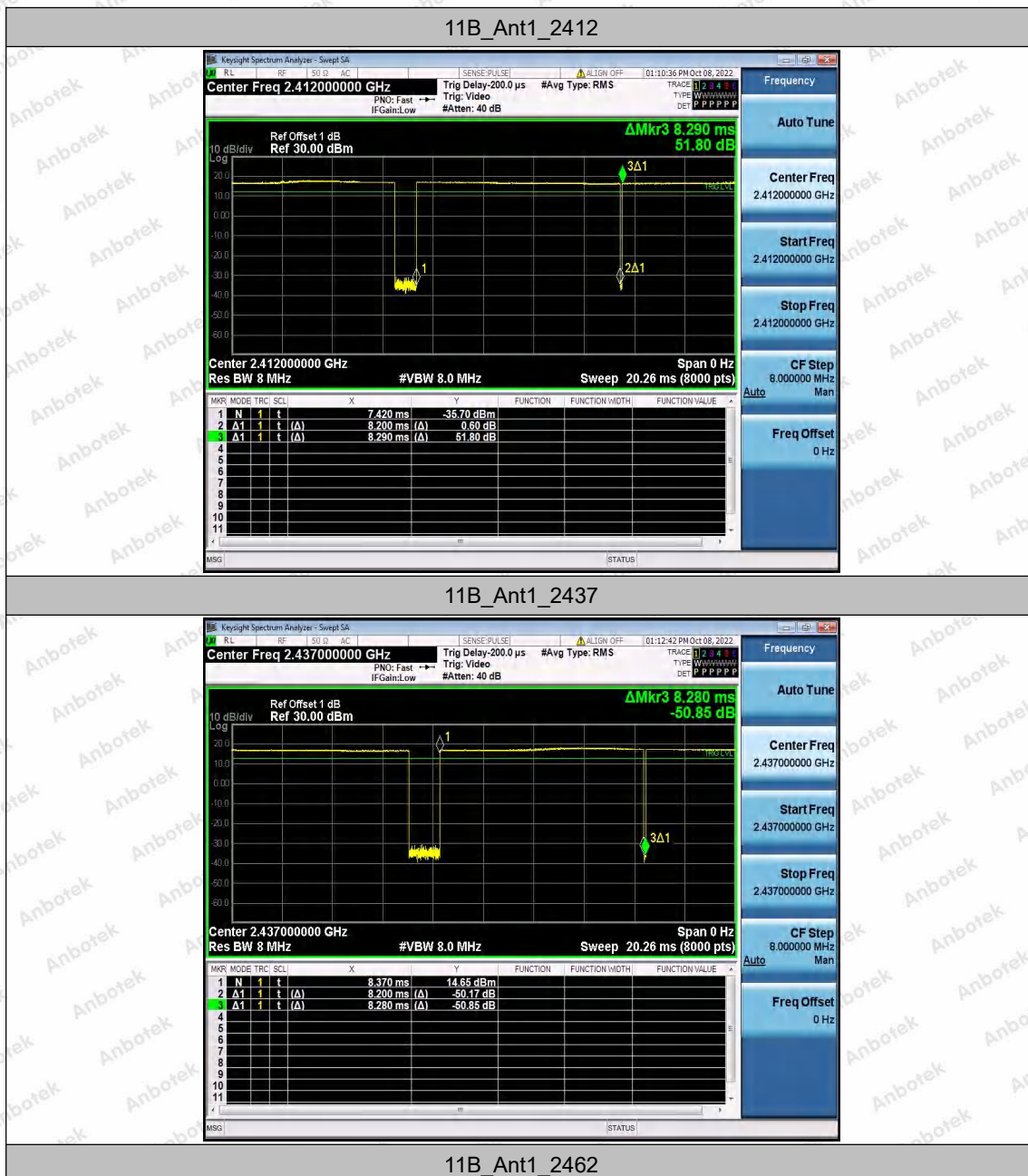
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.20	8.29	98.91	0.05
		2437	8.20	8.28	99.03	0.04
		2462	8.20	8.35	98.20	0.08
11G	Ant1	2412	1.36	1.51	90.07	0.45
		2437	1.36	1.52	89.47	0.48
		2462	1.36	1.65	82.42	0.84
11N20	Ant1	2412	1.28	1.43	89.51	0.48
		2437	1.28	1.45	88.28	0.54
		2462	1.27	1.44	88.19	0.55



Test Graphs



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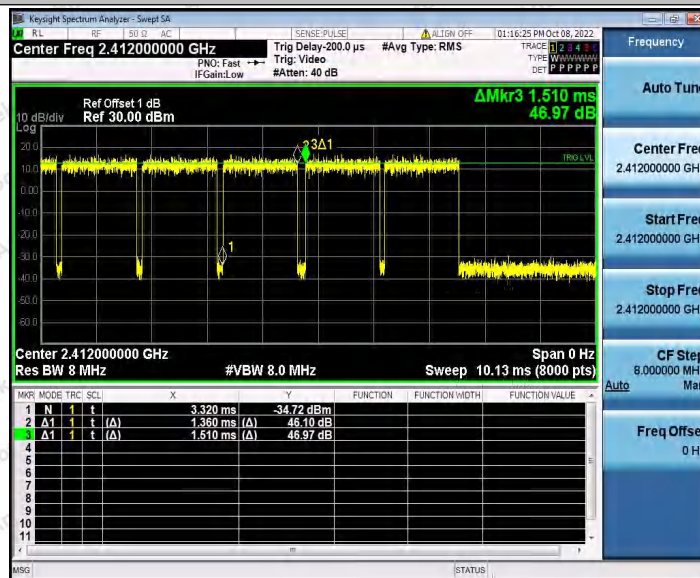


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11G_Ant1_2412



11G_Ant1_2437

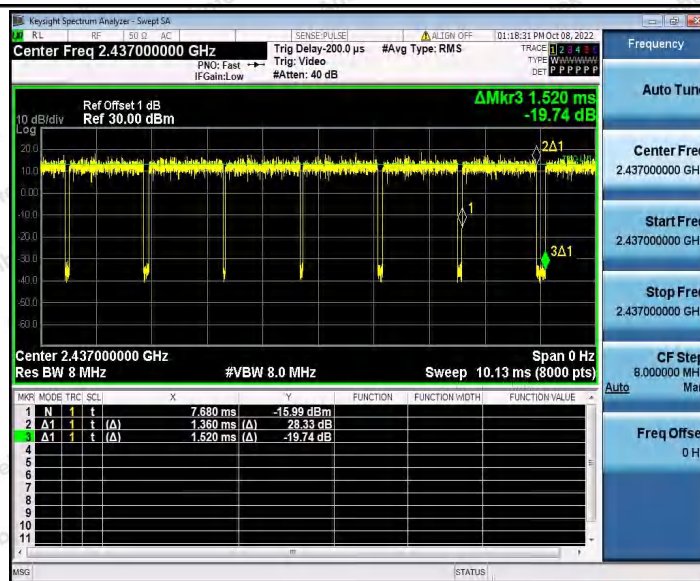
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

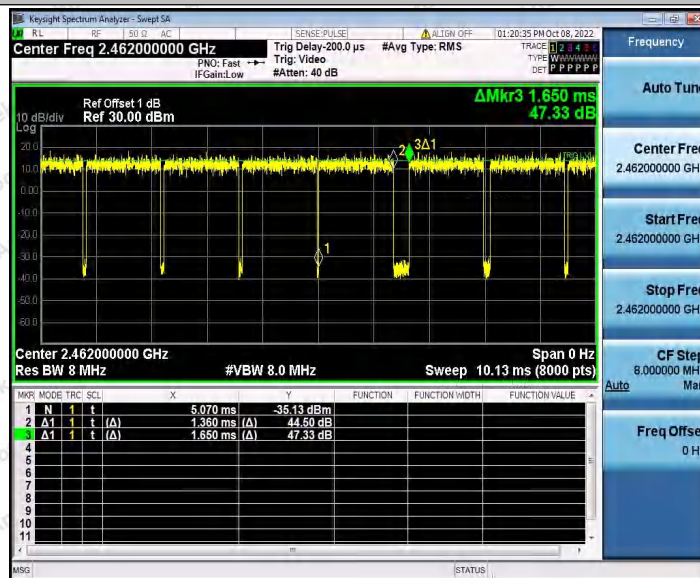


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11G_Ant1_2462



11N20_Ant1_2412

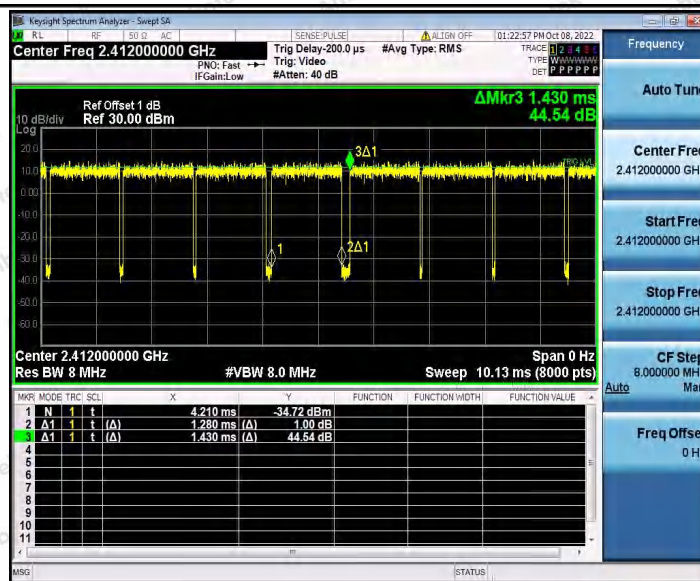
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

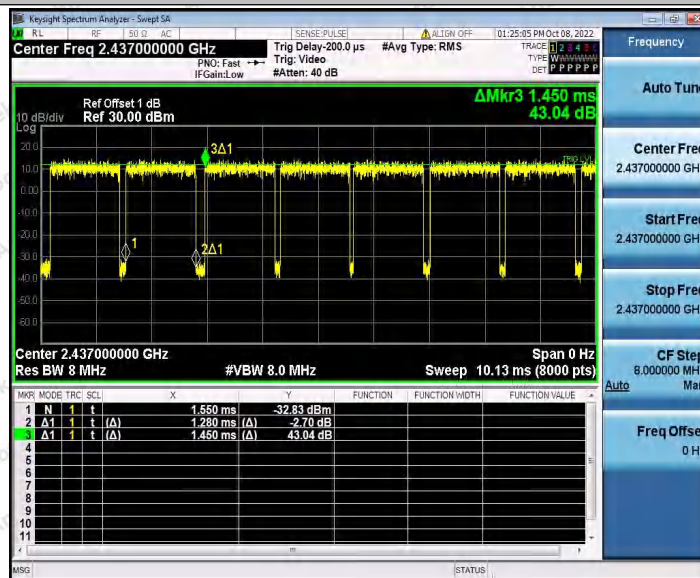


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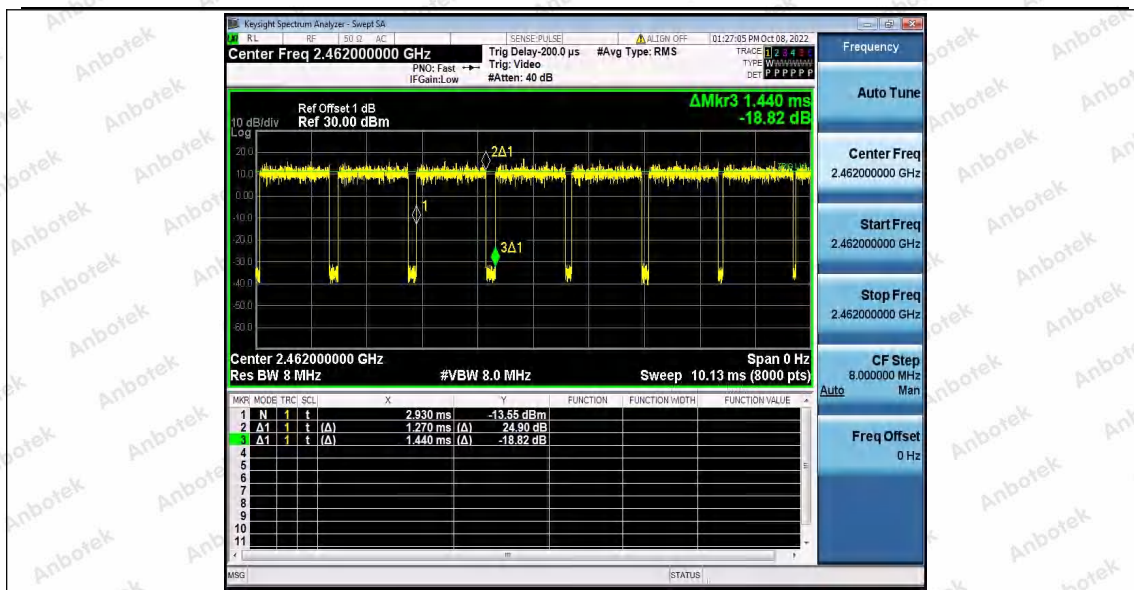


11N20_Ant1_2437



11N20_Ant1_2462





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