

Appendix Test Data

Report No:	18220WC20212603	Test Sample NO:	1-2-2
Start Test Date:	2022.9.7	Finish Test Date:	2022.10.18
Test Engineer:	<i>Hayman Chen</i>	Auditor:	<i>Justin Feng</i>
Temperature:	27.3°C	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	6.920	2408.520	2415.440	≥0.5	PASS
		2437	7.040	2433.360	2440.400	≥0.5	PASS
		2462	7.680	2458.280	2465.960	≥0.5	PASS
11G	Ant1	2412	15.160	2404.320	2419.480	≥0.5	PASS
		2437	15.120	2429.360	2444.480	≥0.5	PASS
		2462	15.160	2454.320	2469.480	≥0.5	PASS
11N20	Ant1	2412	15.160	2404.320	2419.480	≥0.5	PASS
		2437	15.320	2429.320	2444.640	≥0.5	PASS
		2462	15.160	2454.320	2469.480	≥0.5	PASS

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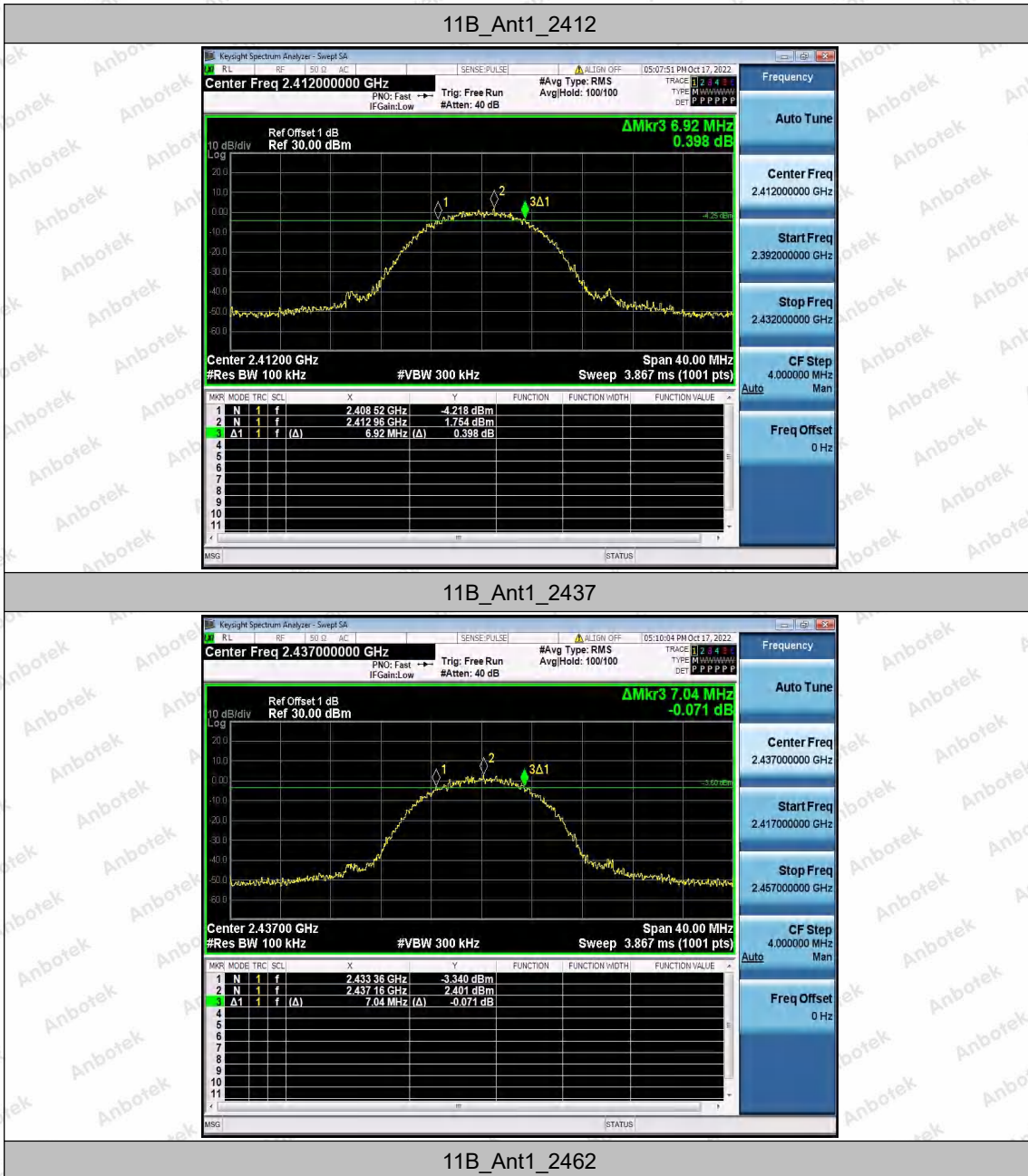
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

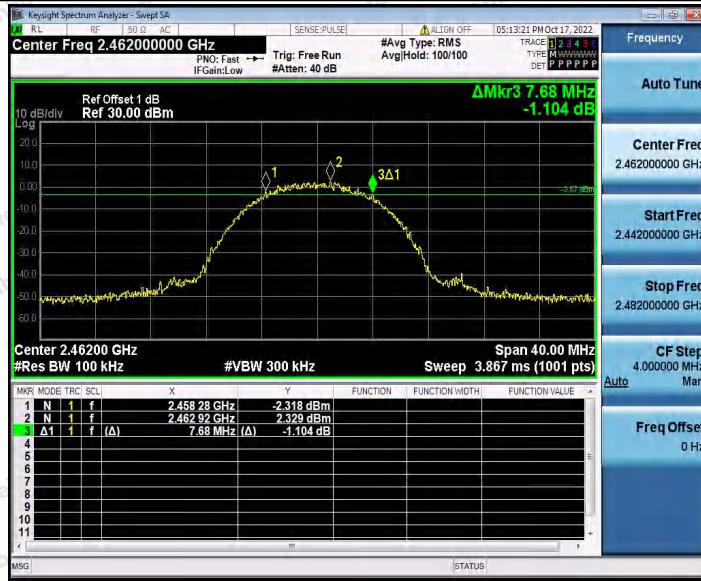


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Test Graphs





11G_Ant1_2412



11G_Ant1_2437

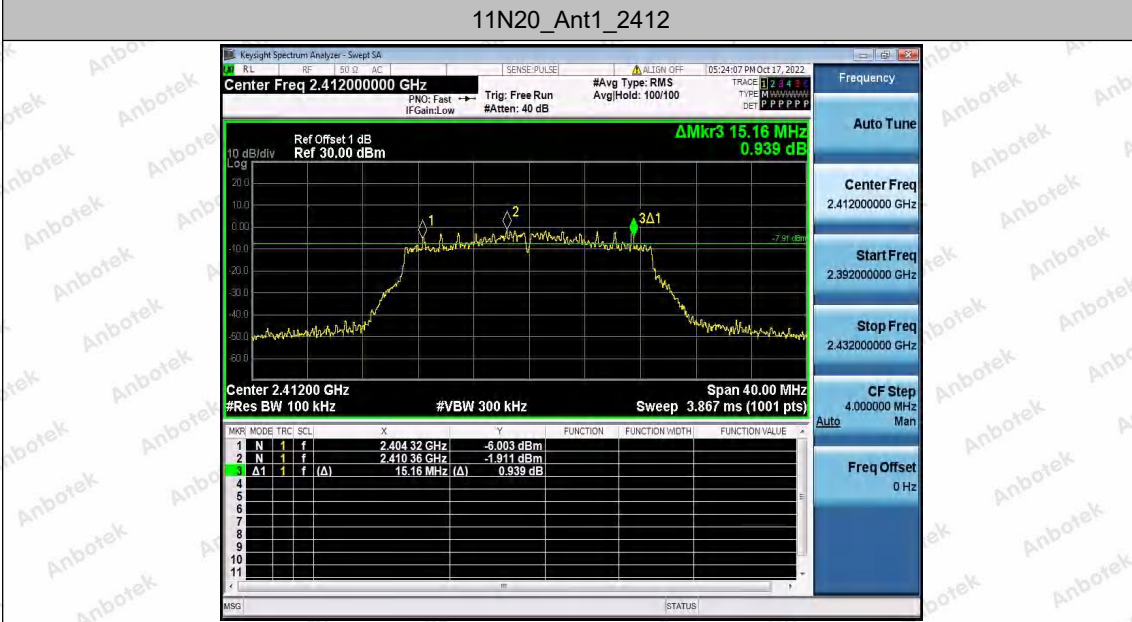
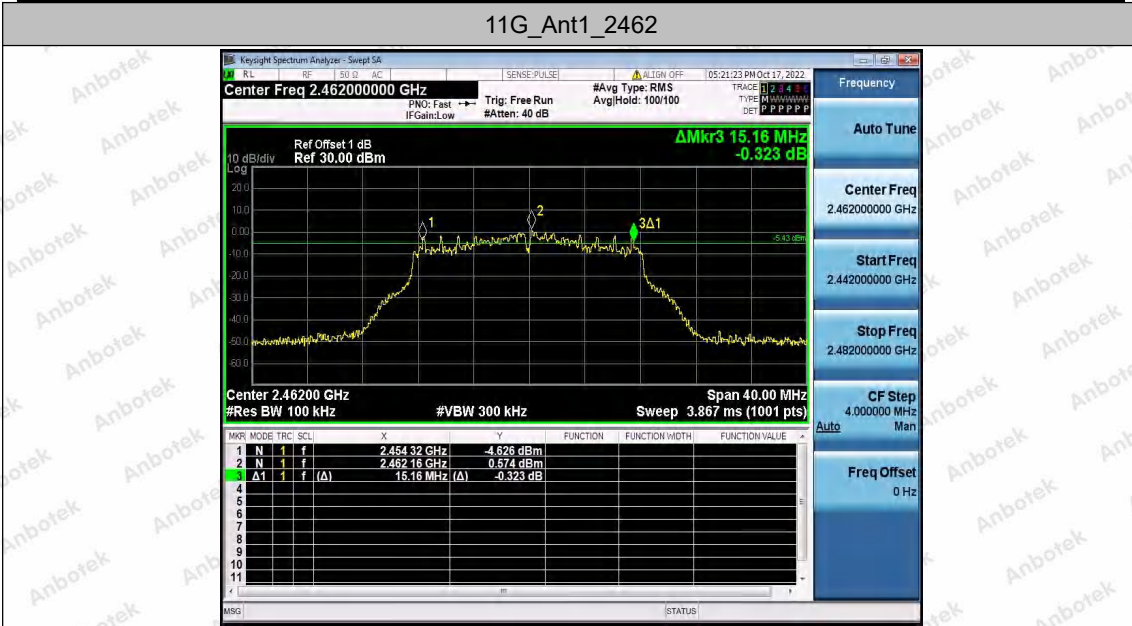


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11N20_Ant1_2437

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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	10.896	2406.5242	2417.4202
		2437	10.821	2431.5528	2442.3738
		2462	10.817	2456.5469	2467.3639
11G	Ant1	2412	16.530	2403.7442	2420.2742
		2437	16.498	2428.7552	2445.2532
		2462	16.385	2453.7812	2470.1662
11N20	Ant1	2412	17.746	2403.1114	2420.8574
		2437	17.748	2428.0716	2445.8196
		2462	17.671	2453.1089	2470.7799

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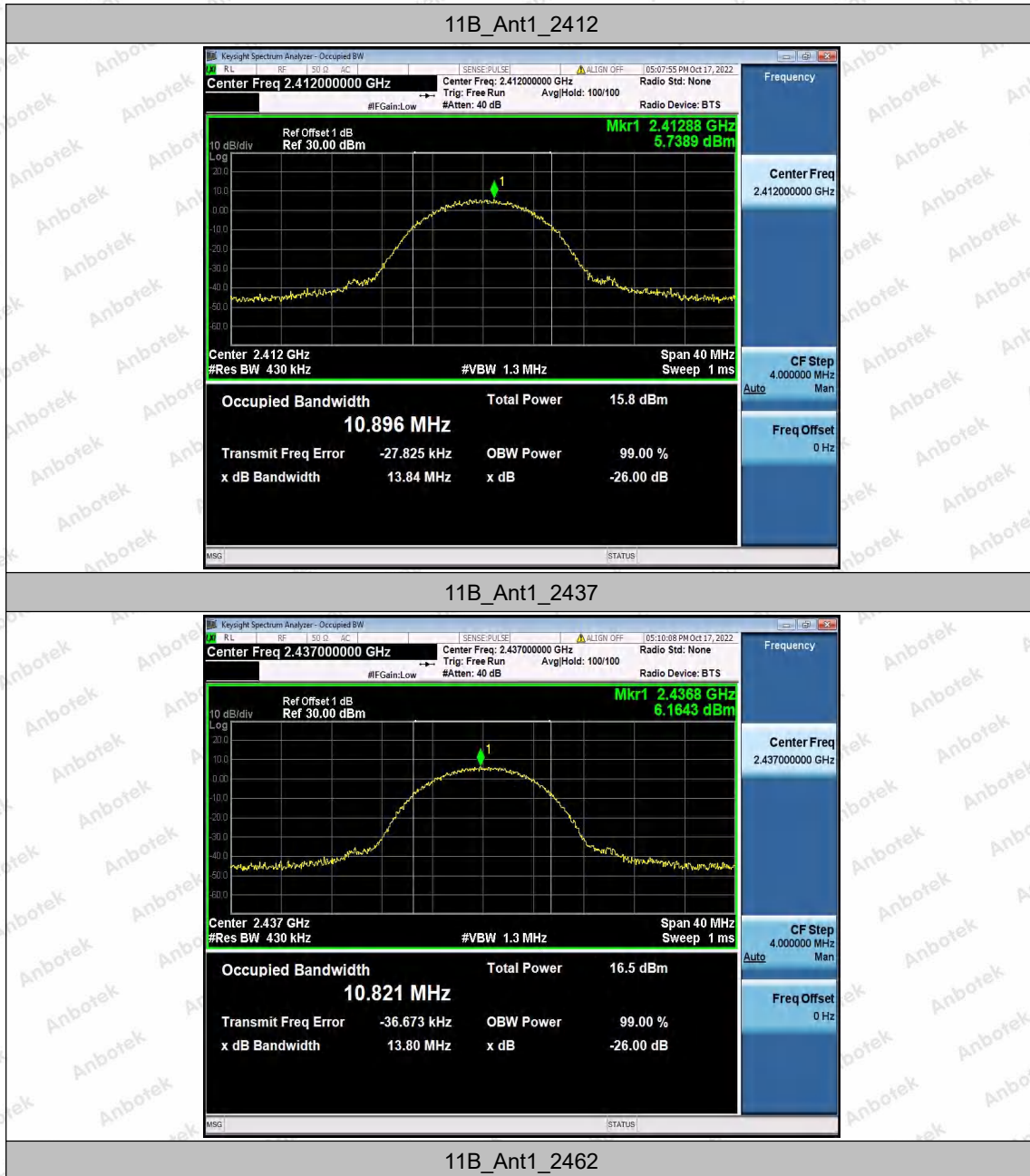
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Test Graphs



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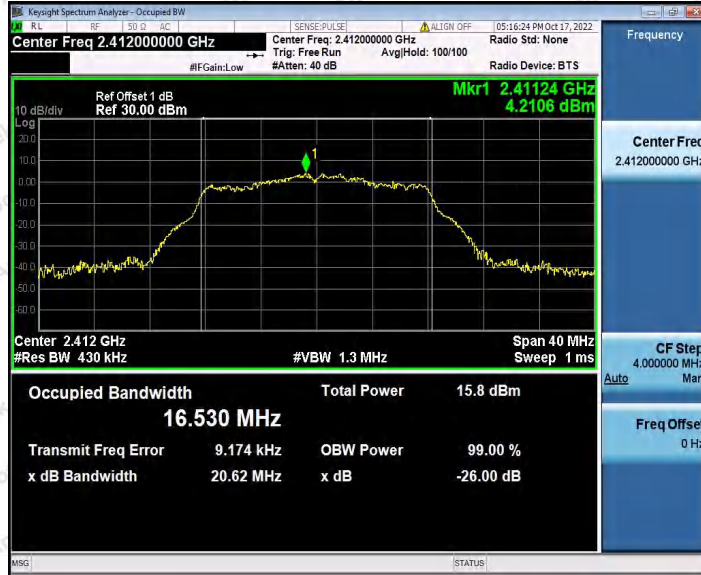
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11G_Ant1_2412



11G_Ant1_2437

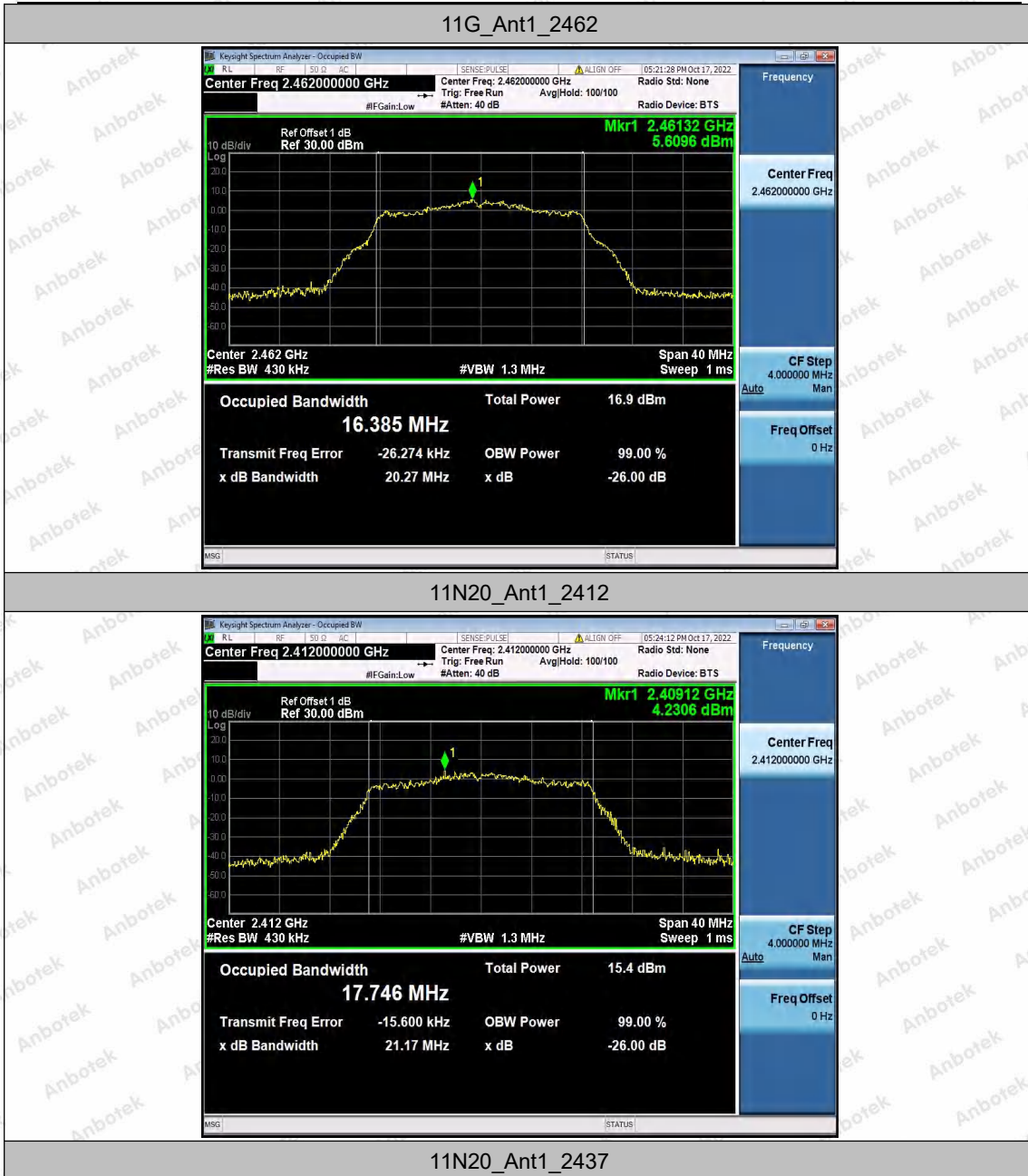


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11N20_Ant1_2462



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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	15.35	≤30.00
		2437	16.00	≤30.00
		2462	16.51	≤30.00
11G	Ant1	2412	16.60	≤30.00
		2437	17.36	≤30.00
		2462	17.79	≤30.00
11N20	Ant1	2412	16.06	≤30.00
		2437	16.78	≤30.00
		2462	17.39	≤30.00

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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.77	≤8.00	PASS
		2437	-12.21	≤8.00	PASS
		2462	-11.03	≤8.00	PASS
11G	Ant1	2412	-16.23	≤8.00	PASS
		2437	-15.46	≤8.00	PASS
		2462	-14.61	≤8.00	PASS
11N20	Ant1	2412	-14.52	≤8.00	PASS
		2437	-14.63	≤8.00	PASS
		2462	-13.42	≤8.00	PASS

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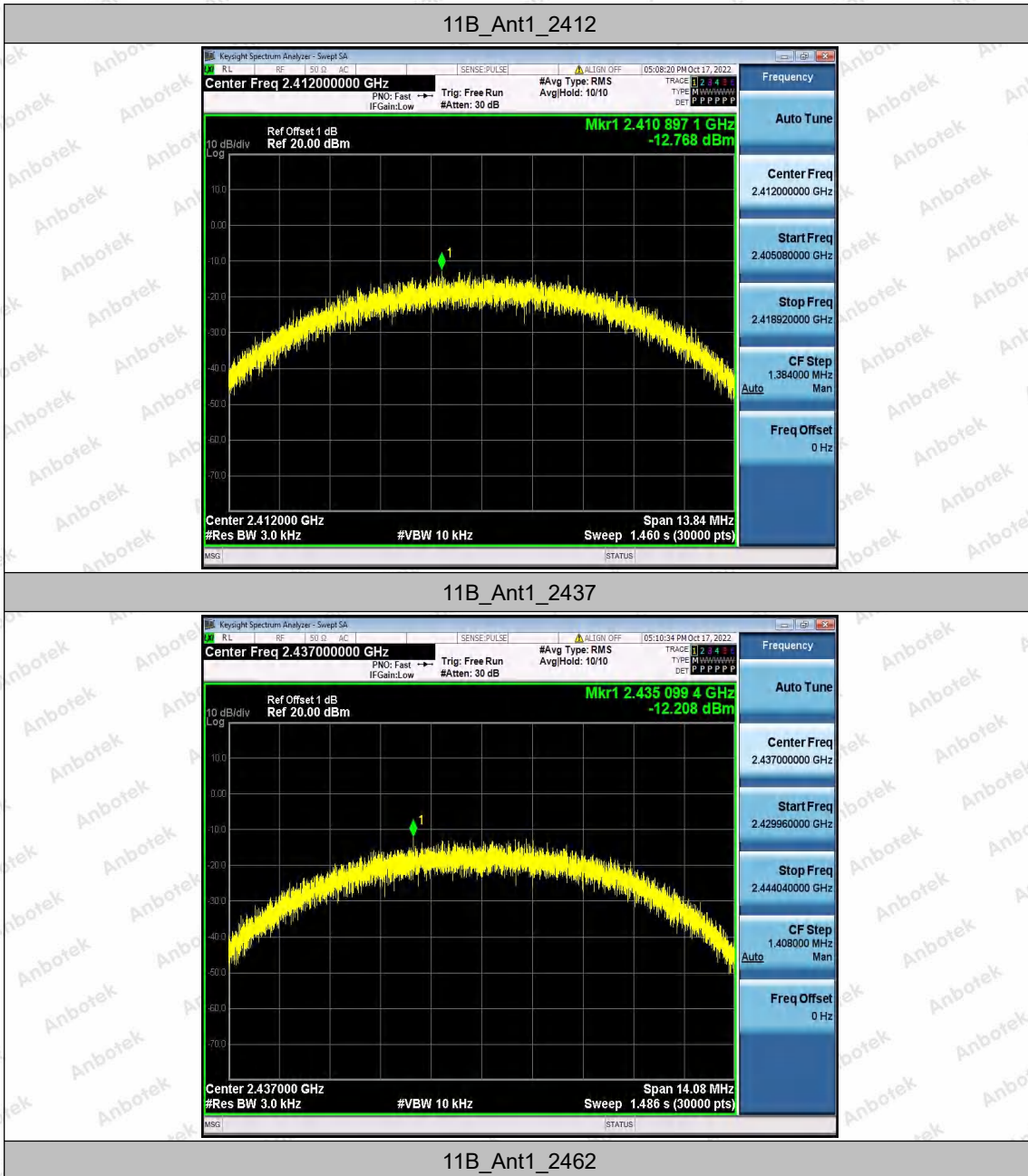
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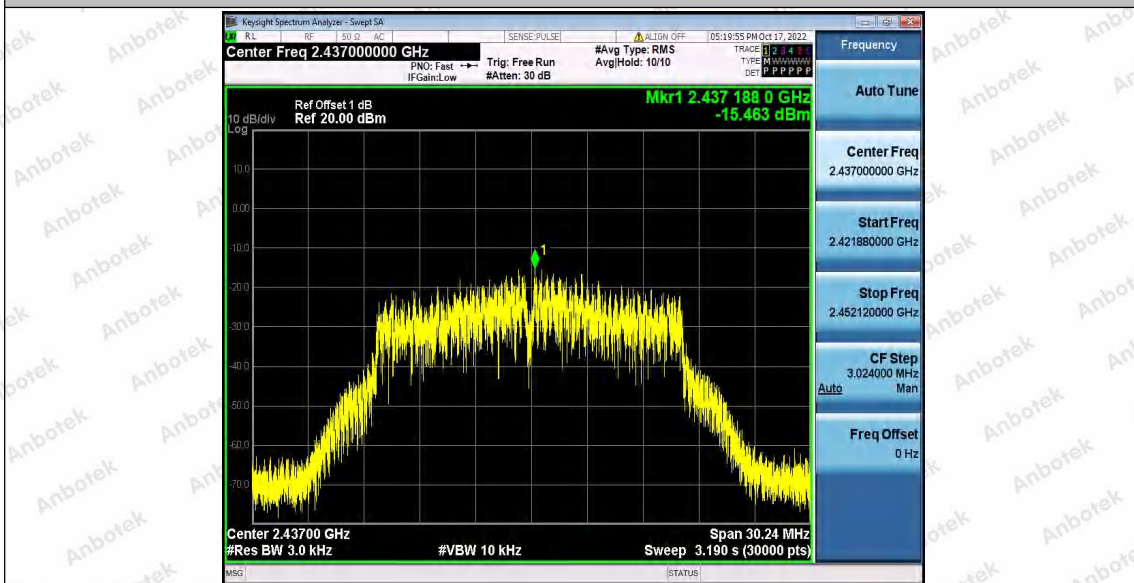
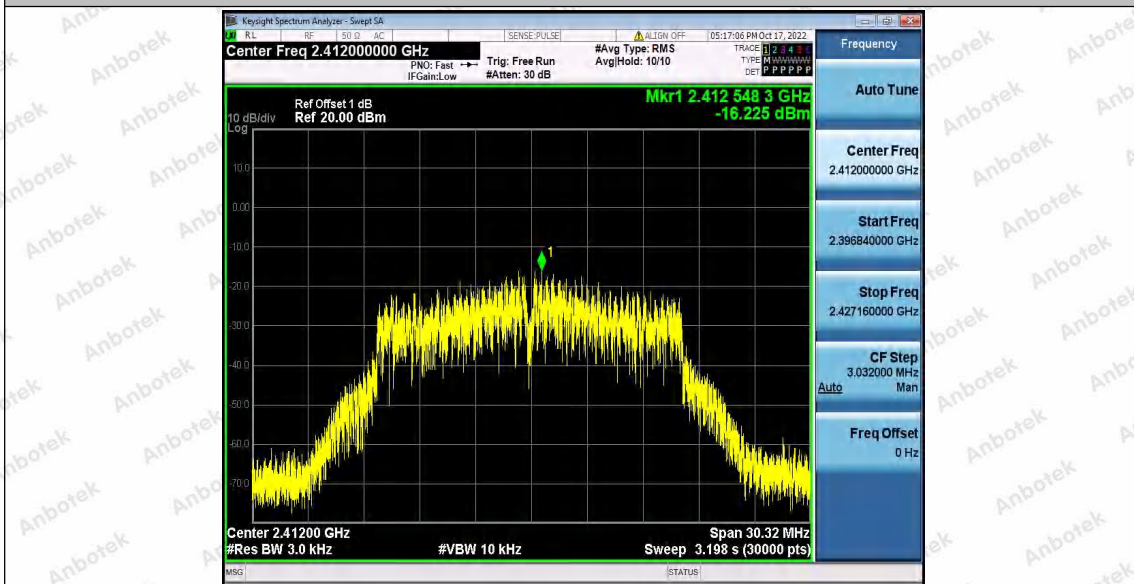
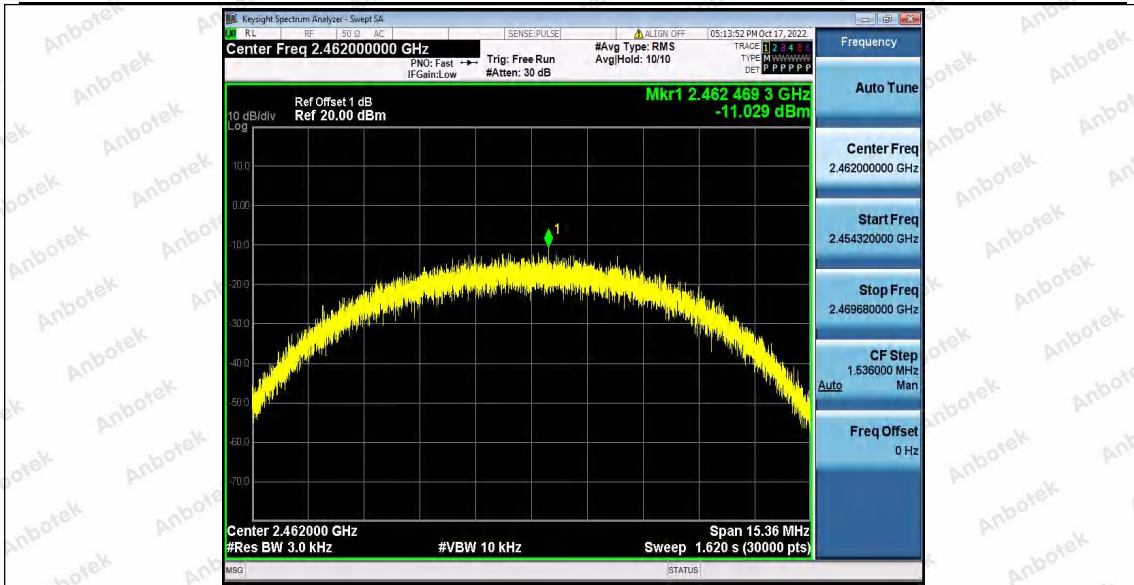


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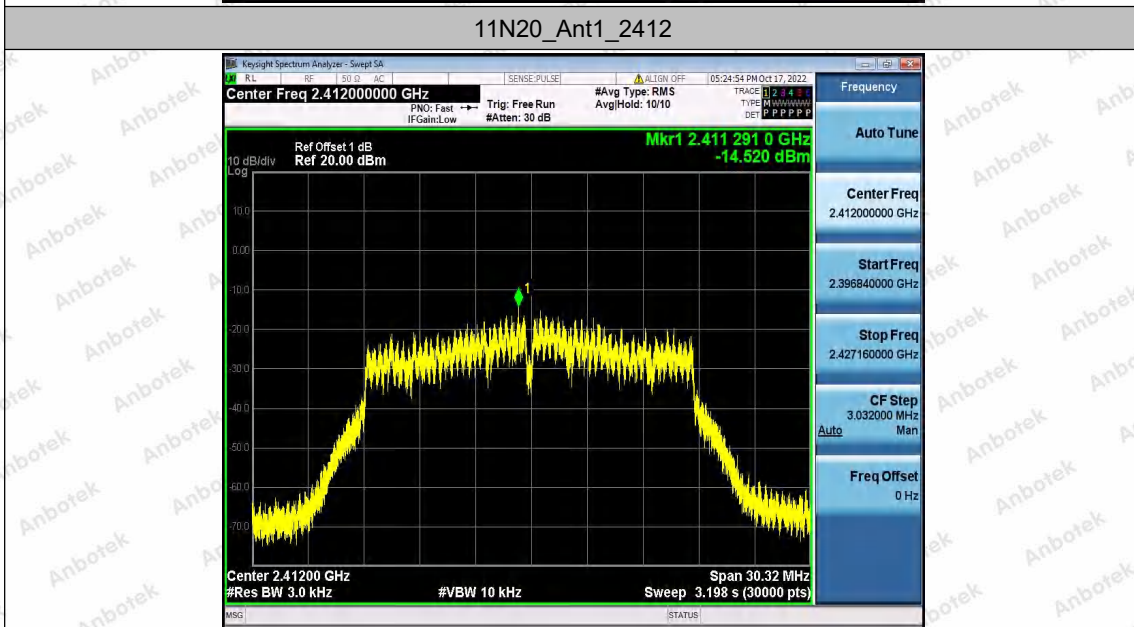
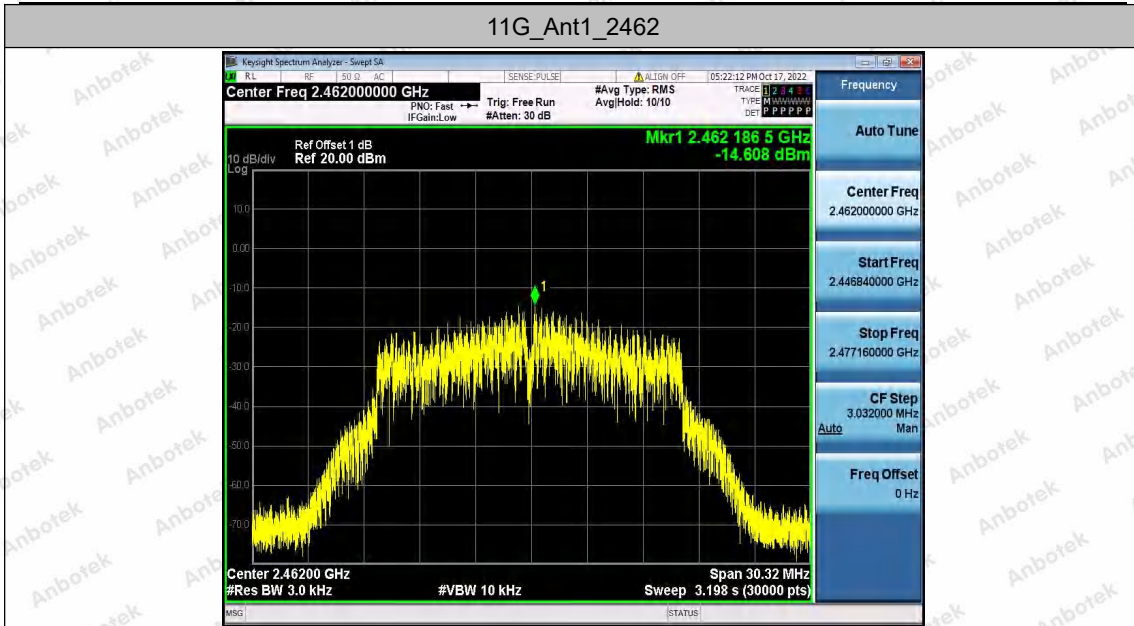


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11N20_Ant1_2437

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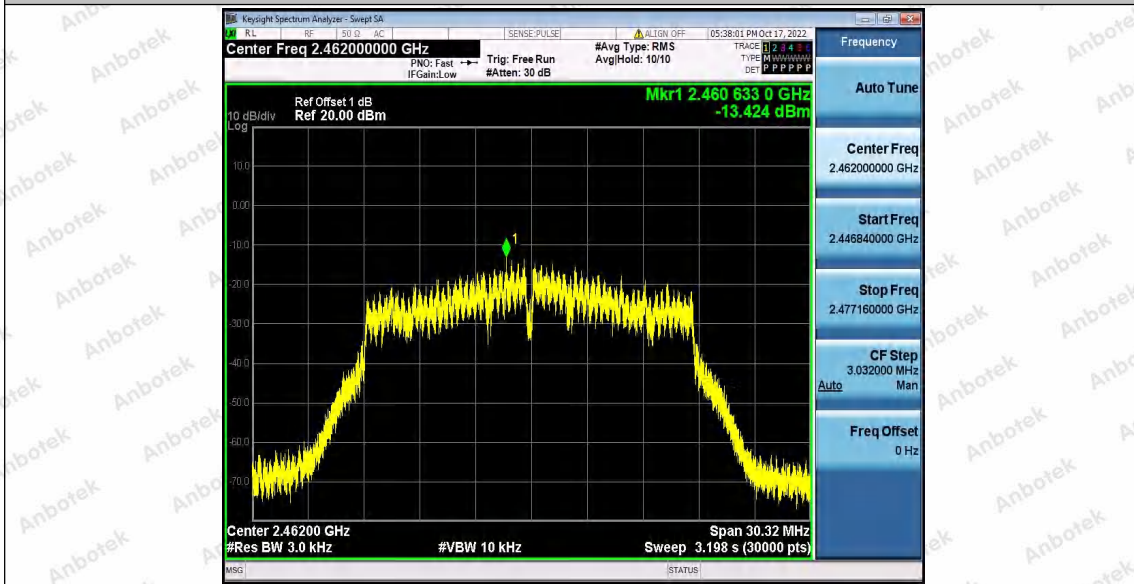
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11N20_Ant1_2462



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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.05	-48.09	≤-17.95	PASS
		High	2462	3.71	-57.07	≤-16.29	PASS
11G	Ant1	Low	2412	-0.62	-43.85	≤-20.62	PASS
		High	2462	0.73	-53.59	≤-19.27	PASS
11N20	Ant1	Low	2412	-1.24	-45.41	≤-21.24	PASS
		High	2462	-0.46	-50.84	≤-20.46	PASS

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Test Graphs



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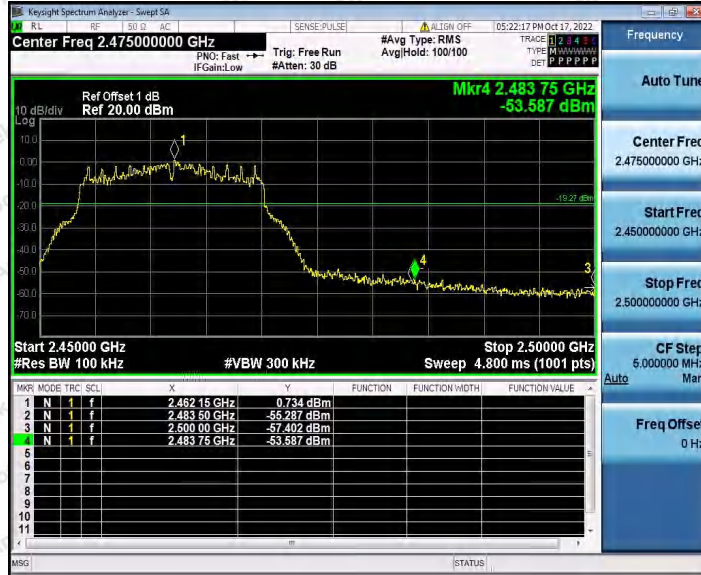
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11G_Ant1_High_2462



11N20_Ant1_Low_2412

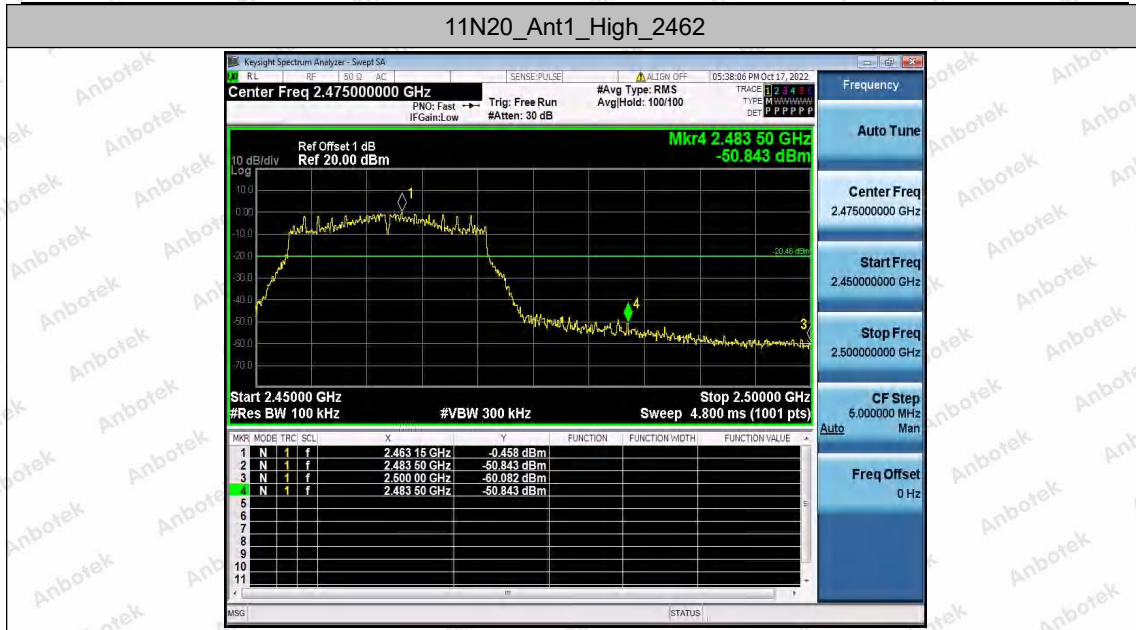


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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-70.09	≤-20.37	PASS
			1000~26500	-0.37	-54.72	≤-20.37	PASS
		2437	Reference	1.38	1.38	---	PASS
			30~1000	1.38	-69.77	≤-18.62	PASS
			1000~26500	1.38	-53.65	≤-18.62	PASS
		2462	Reference	1.94	1.94	---	PASS
			30~1000	1.94	-69.19	≤-18.06	PASS
			1000~26500	1.94	-53.53	≤-18.06	PASS
11G	Ant1	2412	Reference	-0.84	-0.84	---	PASS
			30~1000	-0.84	-69.8	≤-20.84	PASS
			1000~26500	-0.84	-53.59	≤-20.84	PASS
		2437	Reference	-0.78	-0.78	---	PASS
			30~1000	-0.78	-69.38	≤-20.78	PASS
			1000~26500	-0.78	-53.94	≤-20.78	PASS
		2462	Reference	0.50	0.50	---	PASS
			30~1000	0.50	-70.24	≤-19.5	PASS
			1000~26500	0.50	-54.05	≤-19.5	PASS
11N20	Ant1	2412	Reference	-2.50	-2.50	---	PASS
			30~1000	-2.50	-70.14	≤-22.5	PASS
			1000~26500	-2.50	-53.28	≤-22.5	PASS
		2437	Reference	-1.86	-1.86	---	PASS
			30~1000	-1.86	-69.65	≤-21.86	PASS
			1000~26500	-1.86	-53.35	≤-21.86	PASS
		2462	Reference	-1.83	-1.83	---	PASS
			30~1000	-1.83	-69.76	≤-21.83	PASS
			1000~26500	-1.83	-53.51	≤-21.83	PASS

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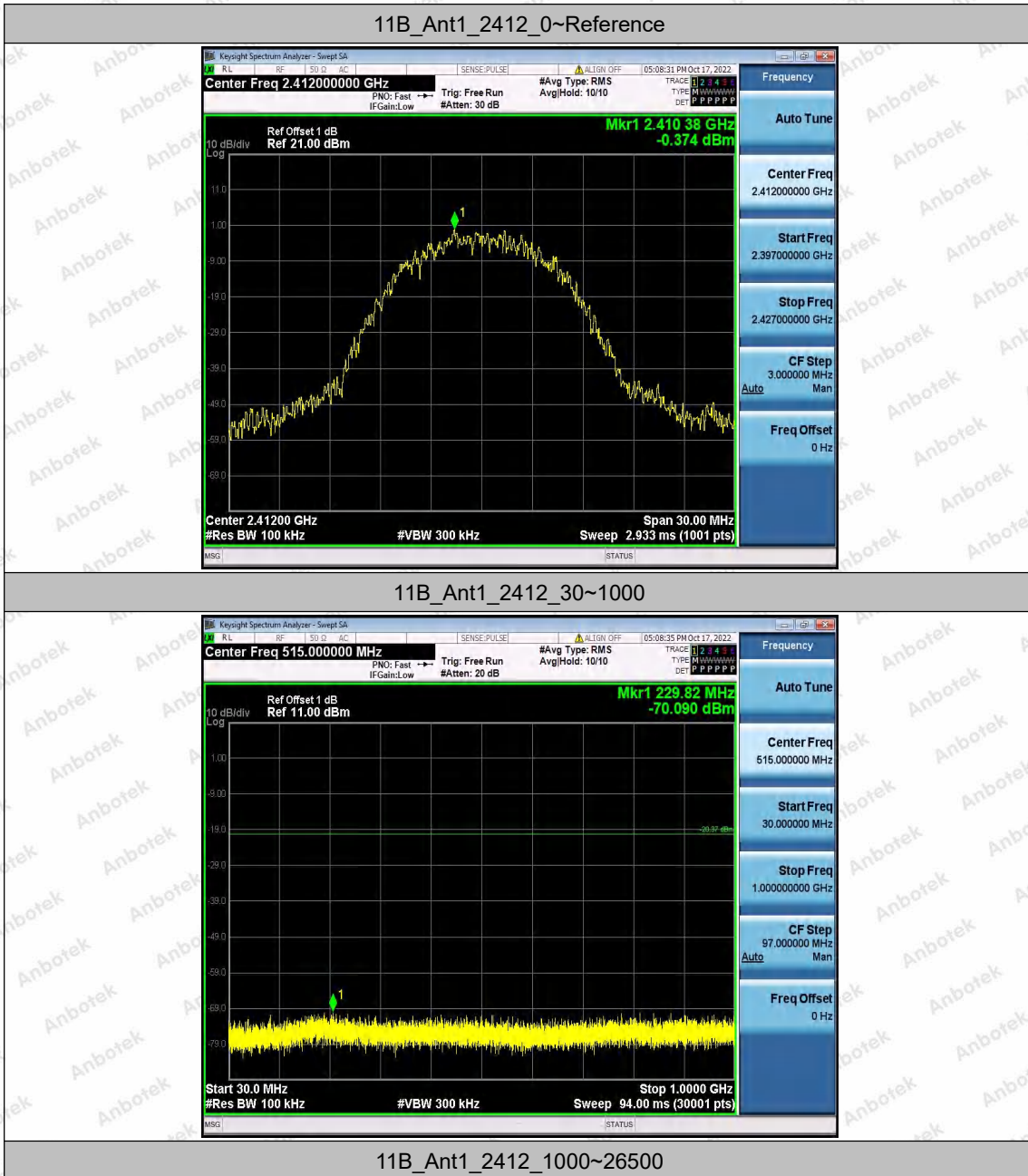
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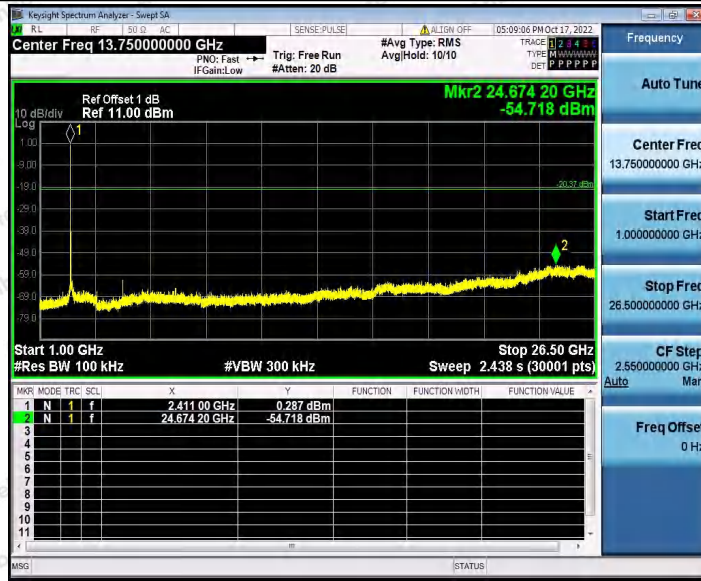


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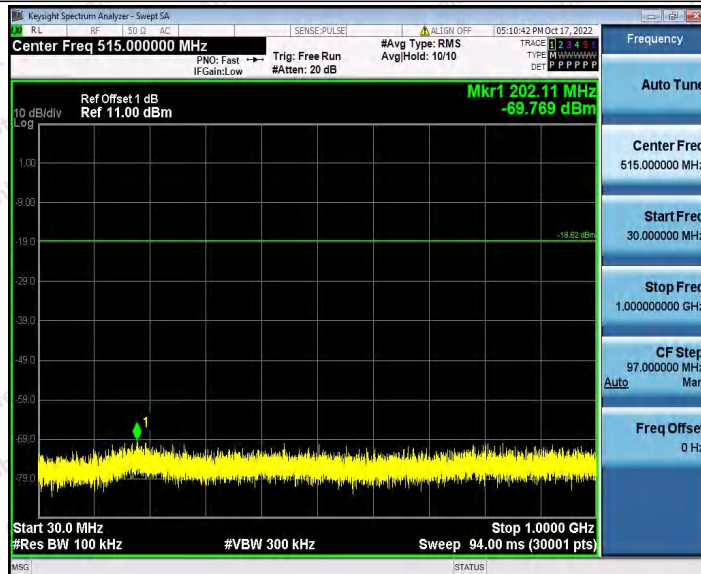




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

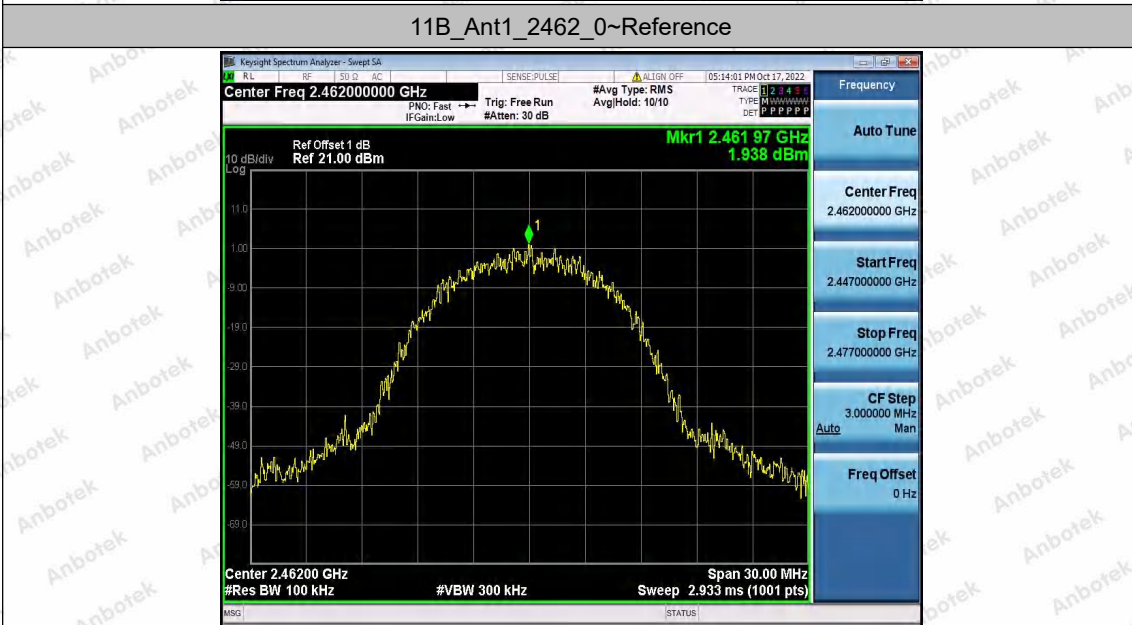
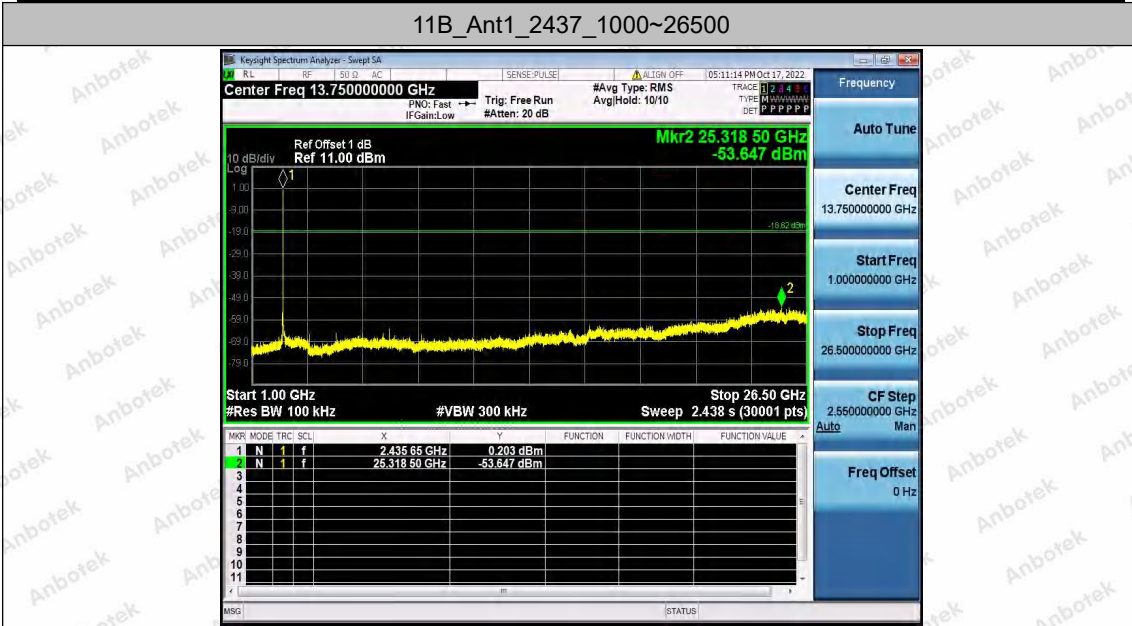


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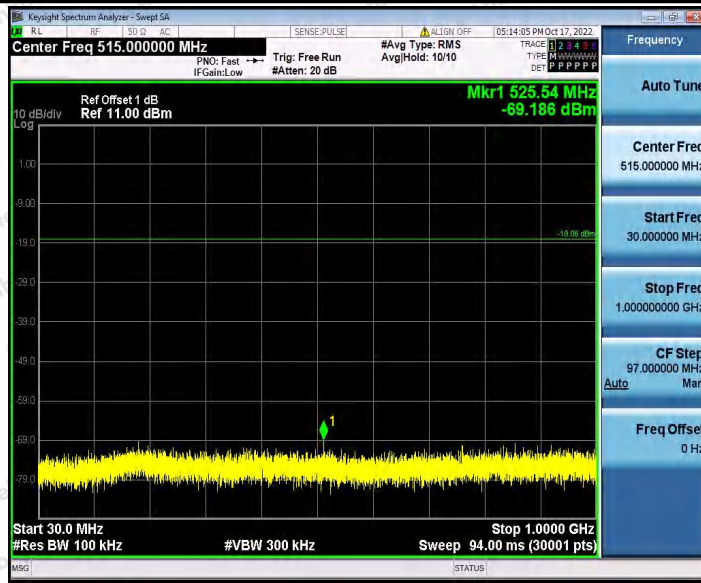
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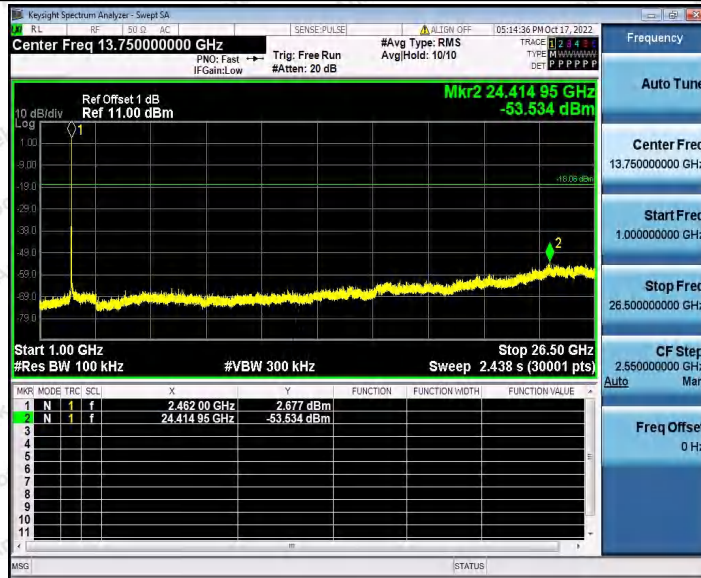
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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

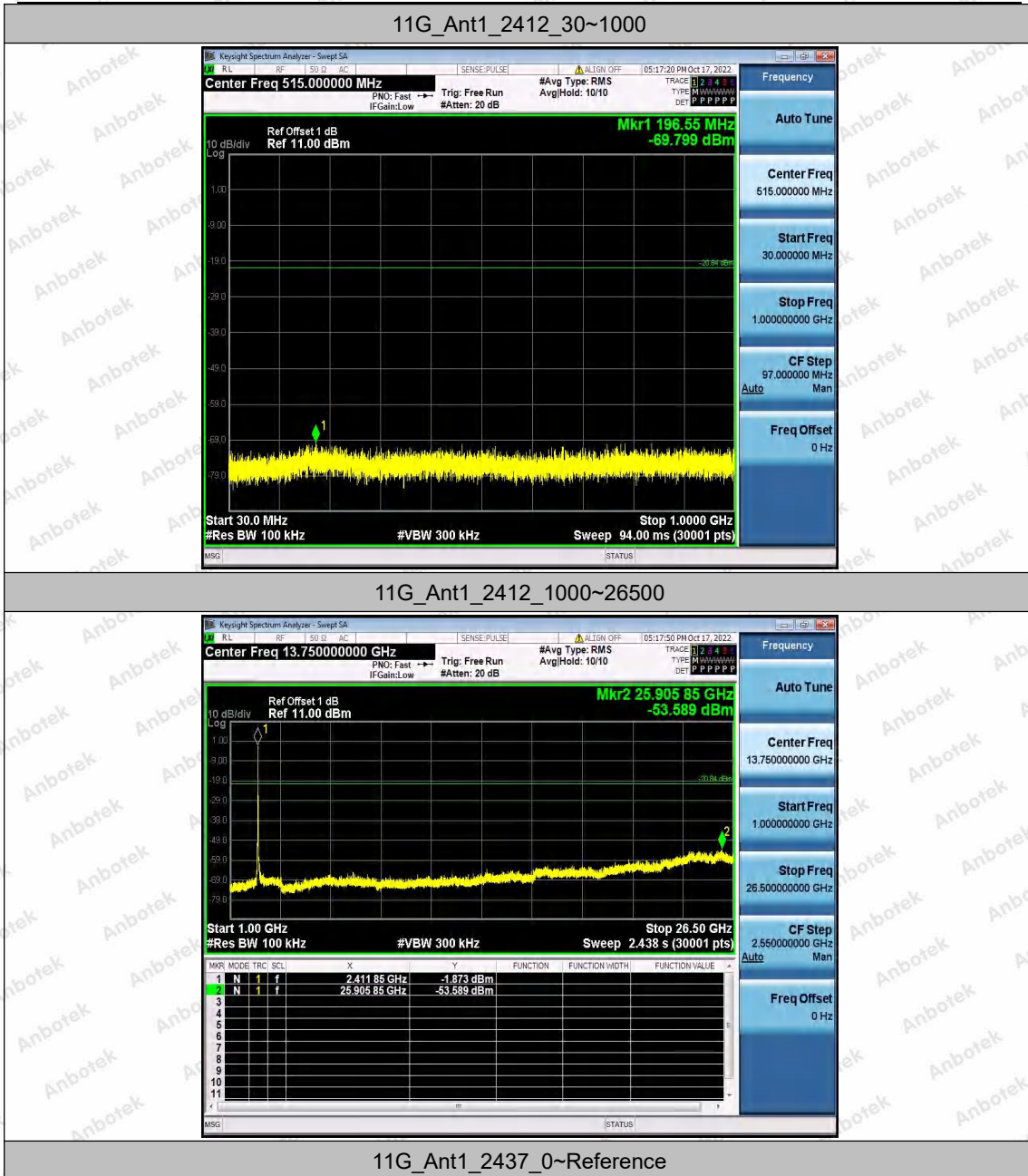


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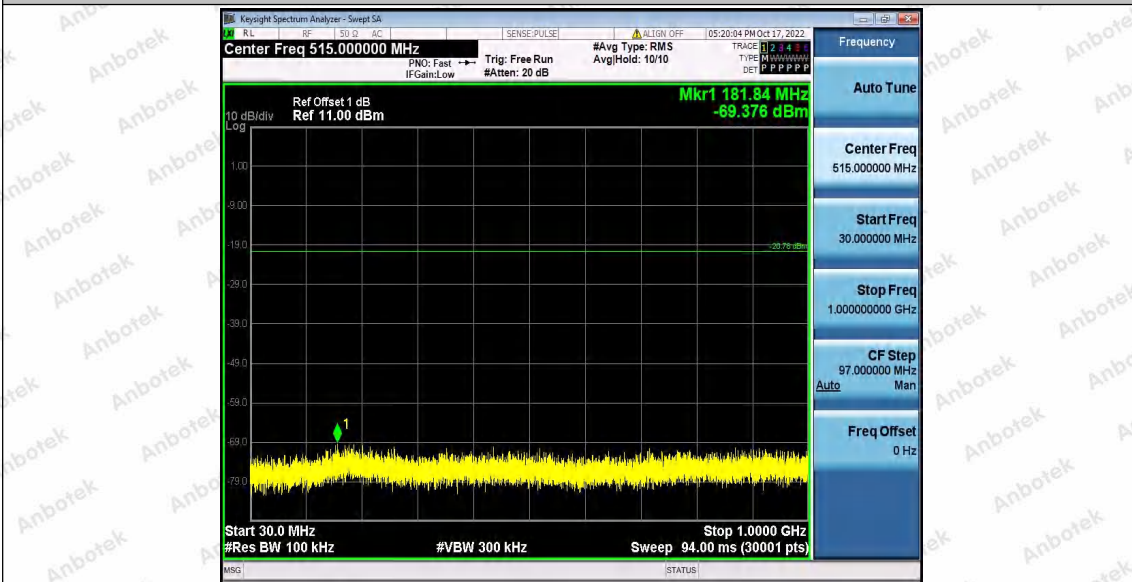
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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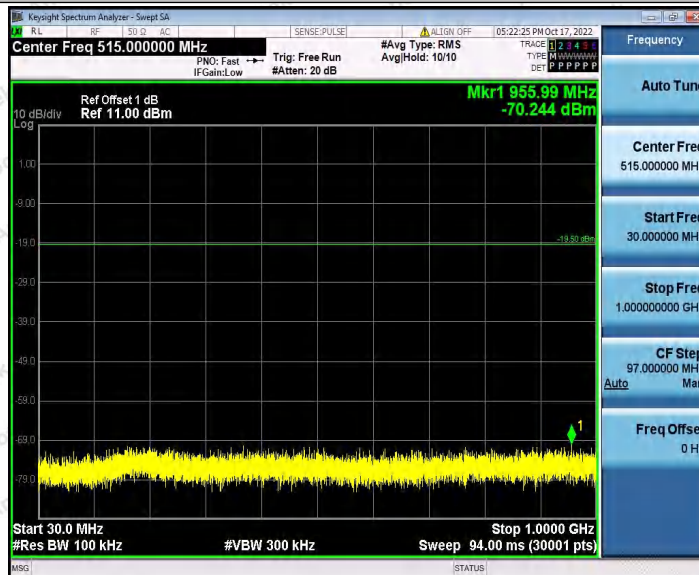
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



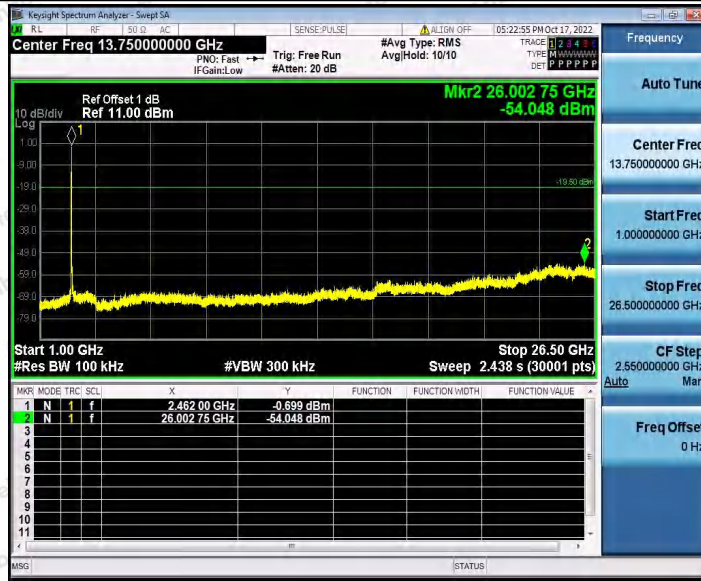
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



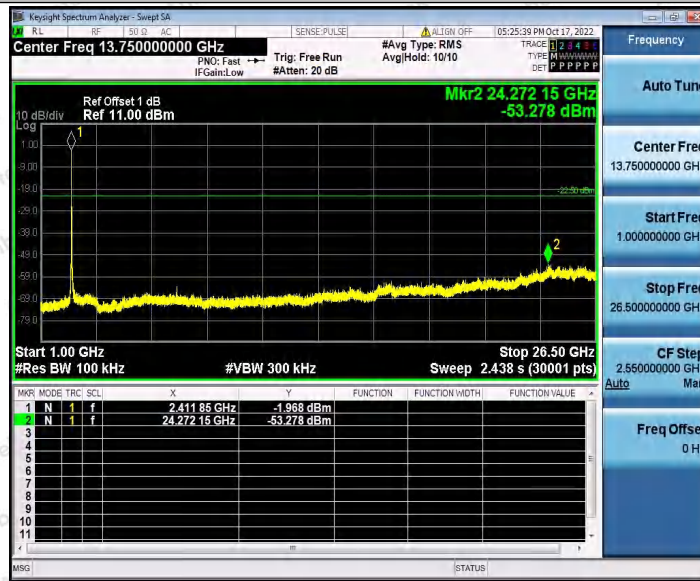
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



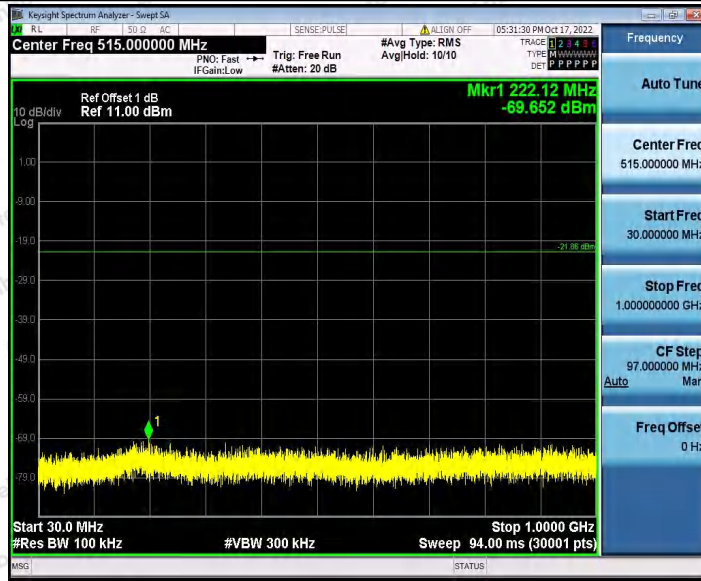
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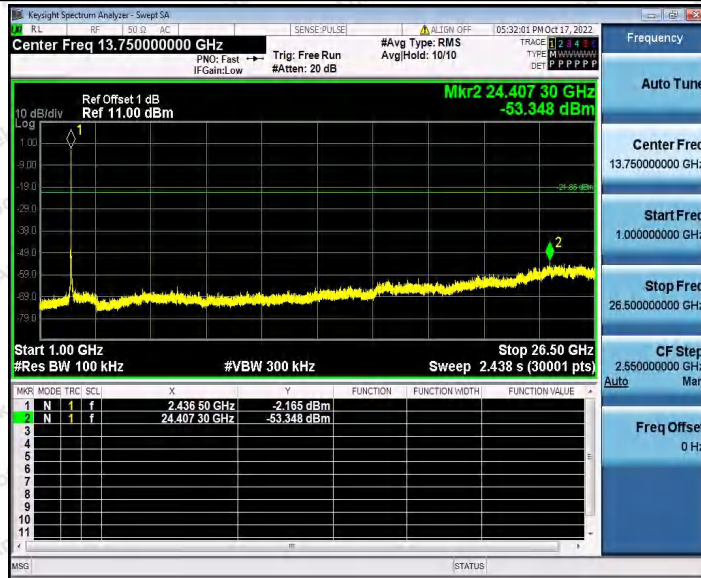
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11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference

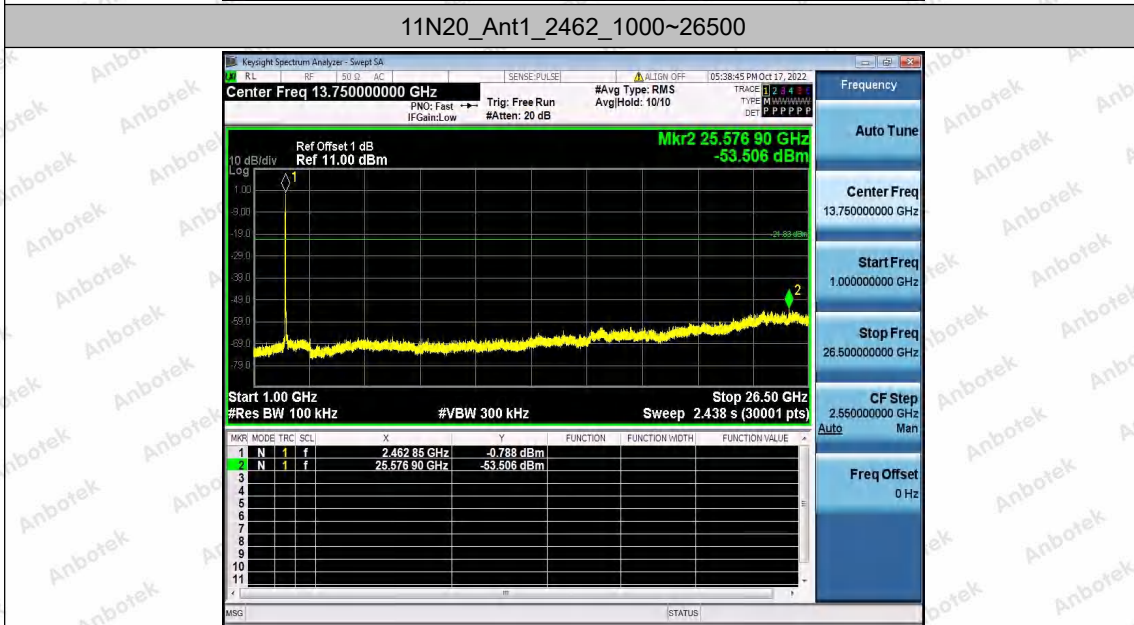
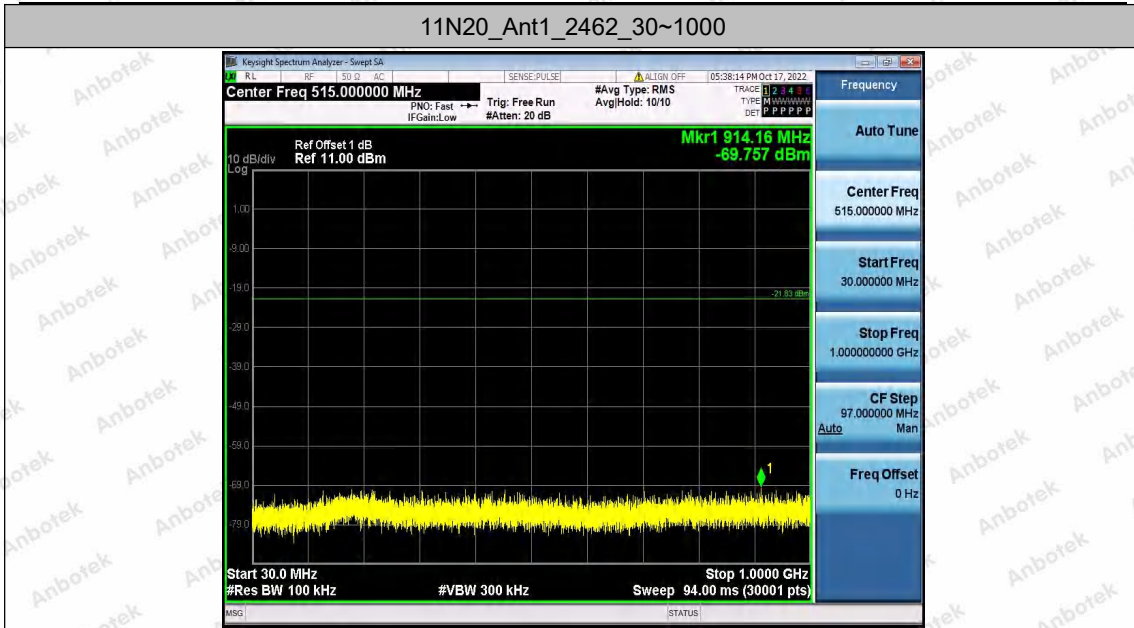


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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	0.84	0.94	89.36	0.49
		2437	0.84	0.94	89.36	0.49
		2462	0.85	0.94	90.43	0.44
11G	Ant1	2412	0.17	0.27	62.96	2.01
		2437	0.18	0.28	64.29	1.92
		2462	0.17	0.27	62.96	2.01
11N20	Ant1	2412	0.16	0.27	59.26	2.27
		2437	0.17	0.27	62.96	2.01
		2462	0.16	0.26	61.54	2.11

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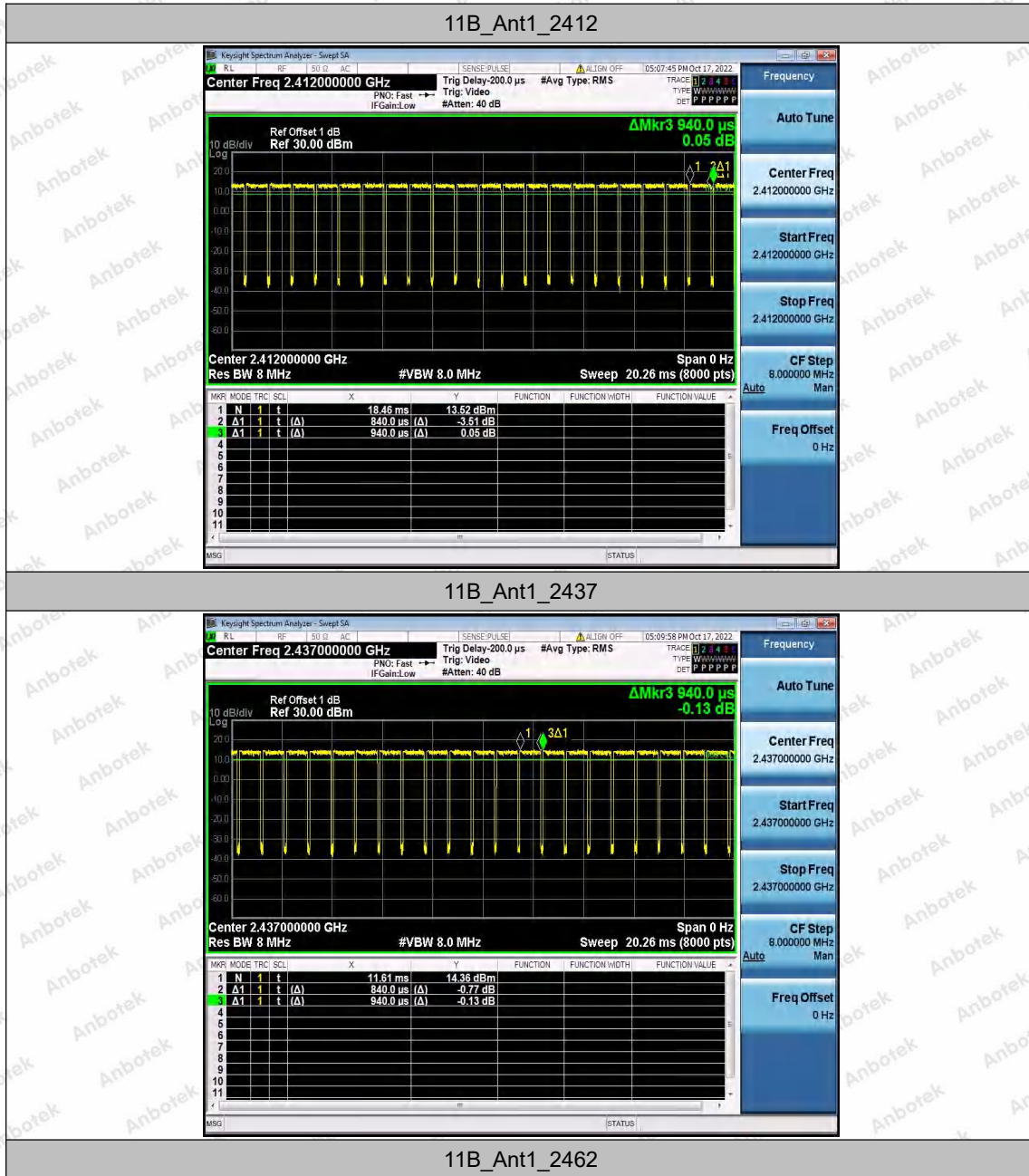
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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Test Graphs

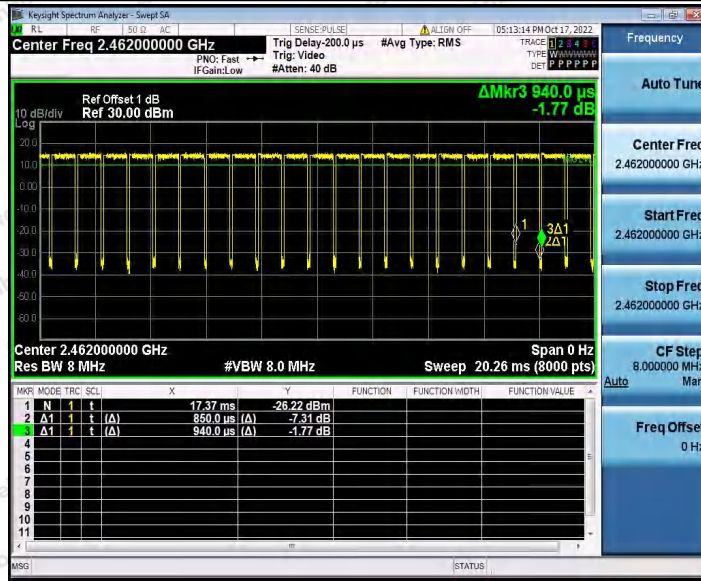


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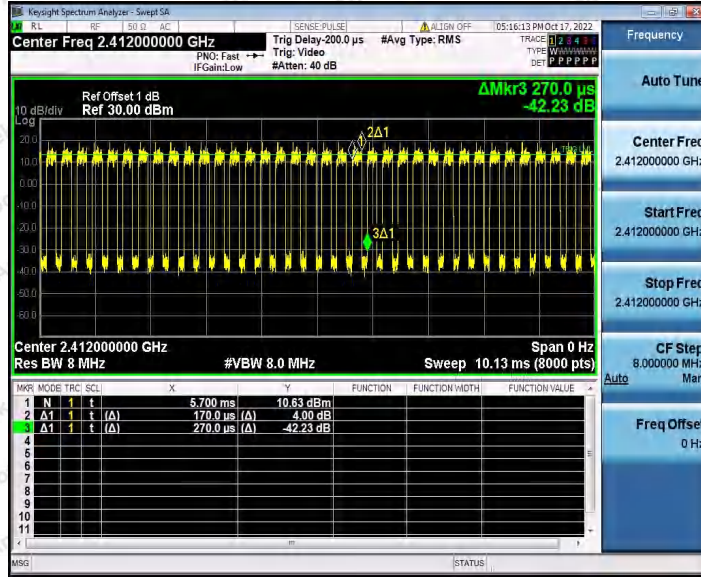
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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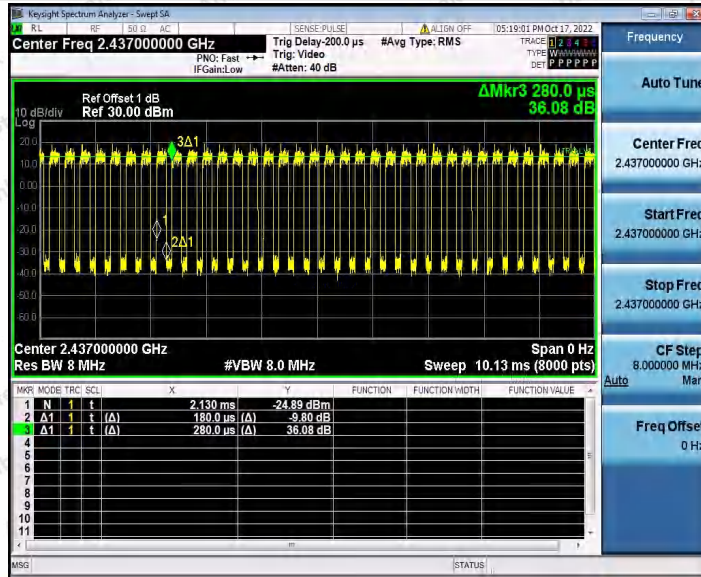




11G_Ant1_2412



11G_Ant1_2437

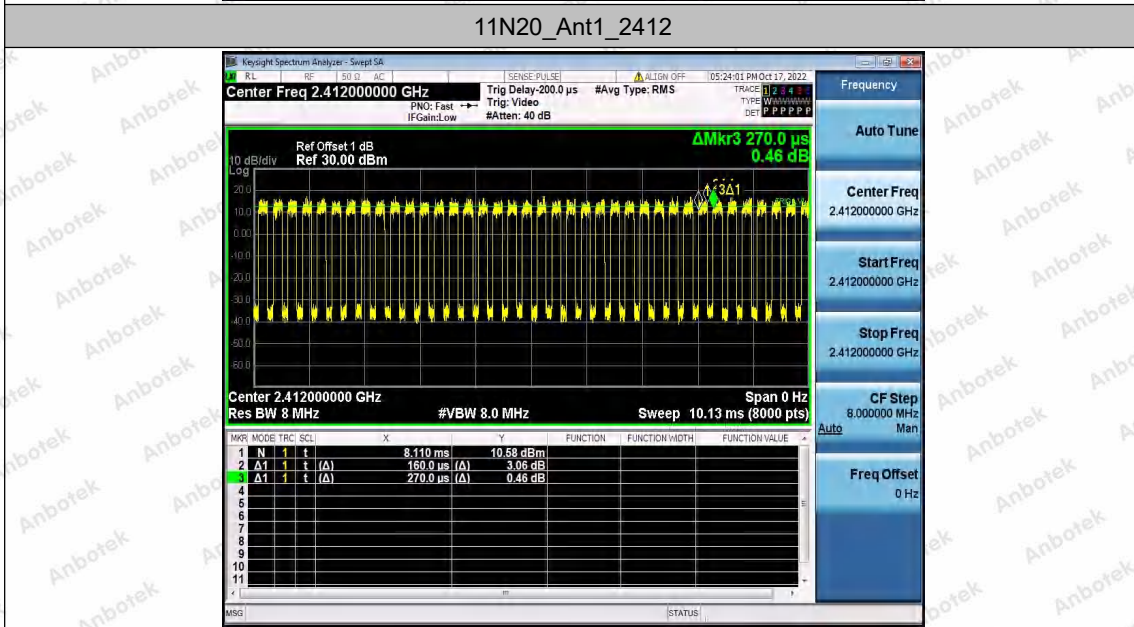
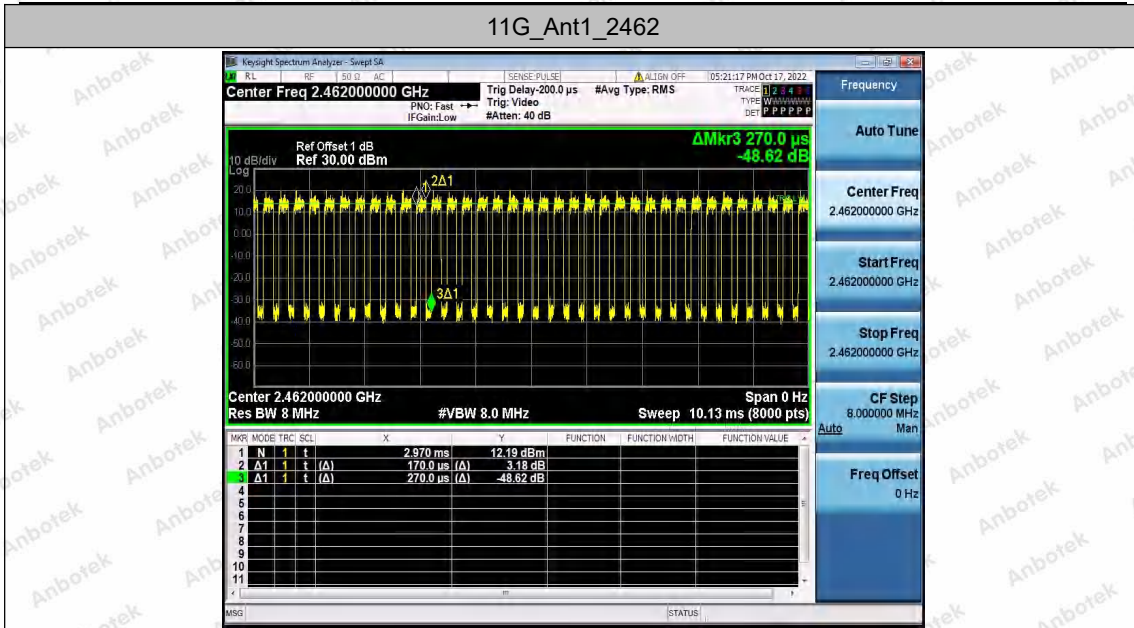


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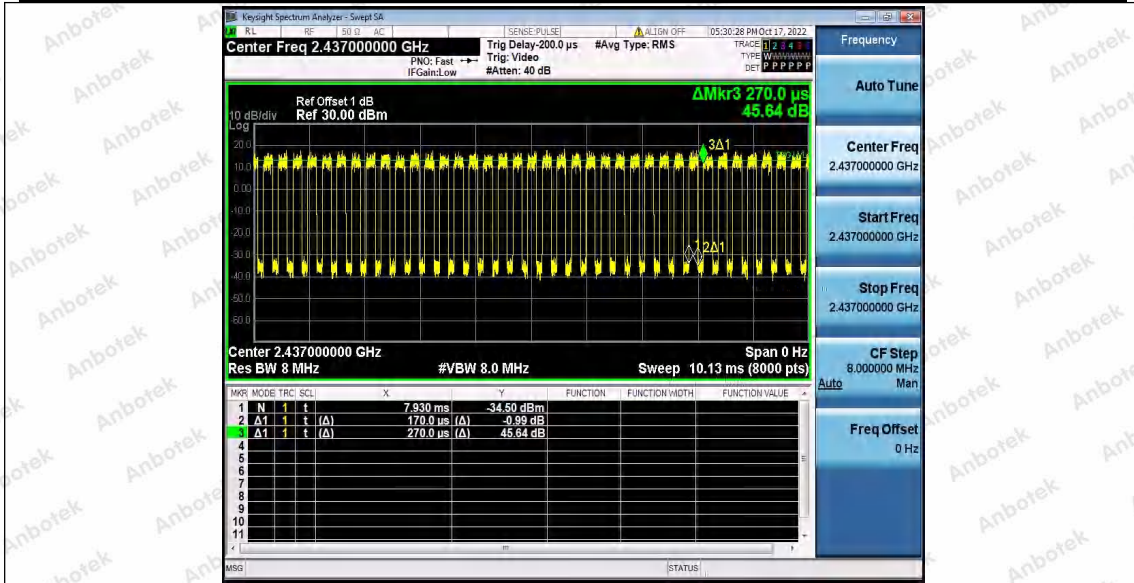
11N20_Ant1_2437

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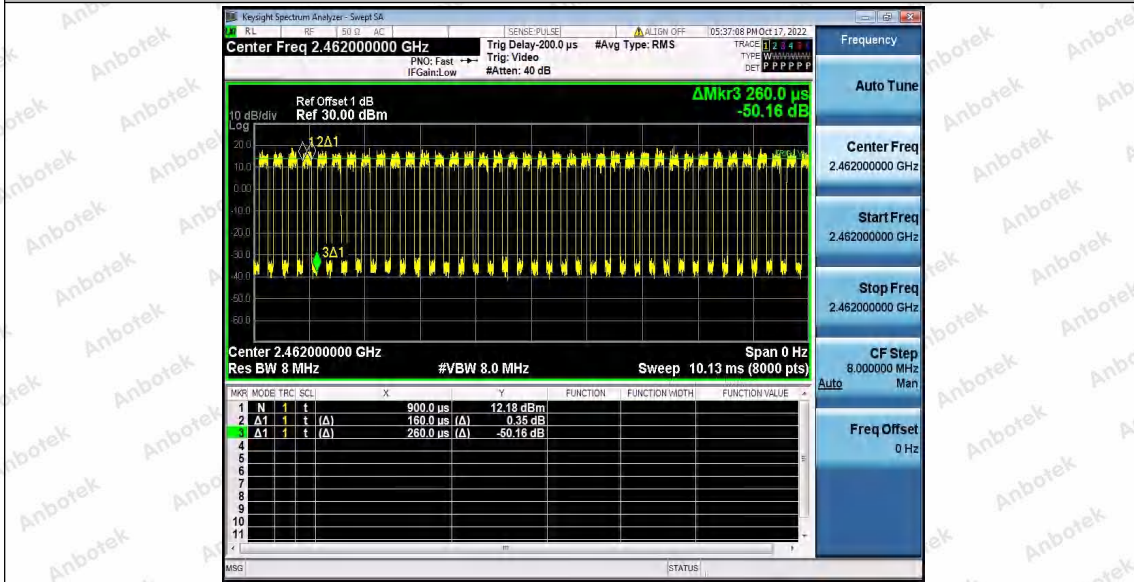
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11N20_Ant1_2462



---End---

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