

## Appendix Test Data

Report No.:	18220WC30057802	Test Sample No.:	1-2-2
Start Test Date:	2023.04.07	Finish Test Date:	2023.04.12
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	25.3℃	Relative Humidity:	42%
Pressure:	1012 hPa		

## Appendix A: DTS Bandwidth

## Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.120	2407.960	2416.080	≥0.5	PASS
		2437	9.040	2432.480	2441.520	≥0.5	PASS
		2462	8.040	2458.000	2466.040	≥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
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	≥0.5	PASS
		2437	17.560	2428.240	2445.800	≥0.5	PASS
		2462	17.280	2453.520	2470.800	≥0.5	PASS

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## Test Graphs



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11G\_Ant1\_2412



11G\_Ant1\_2437



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11N20SISO\_Ant1\_2462



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## Appendix B: Occupied Channel Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	14.063	2404.9765	2419.0395
		2437	14.069	2429.9765	2444.0455
		2462	14.083	2454.9769	2469.0599
11G	Ant1	2412	17.053	2403.4353	2420.4883
		2437	17.188	2428.4360	2445.6240
		2462	17.135	2453.5047	2470.6397
11N20SISO	Ant1	2412	18.296	2402.8682	2421.1642
		2437	18.179	2427.9526	2446.1316
		2462	18.234	2452.9241	2471.1581

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## Test Graphs



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11G\_Ant1\_2412



11G\_Ant1\_2437



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## Appendix C: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	19.91	≤30.00
		2437	19.79	≤30.00
		2462	20.03	≤30.00
11G	Ant1	2412	20.33	≤30.00
		2437	20.45	≤30.00
		2462	<b>20.78</b>	≤30.00
11N20SISO	Ant1	2412	20.42	≤30.00
		2437	20.41	≤30.00
		2462	20.73	≤30.00

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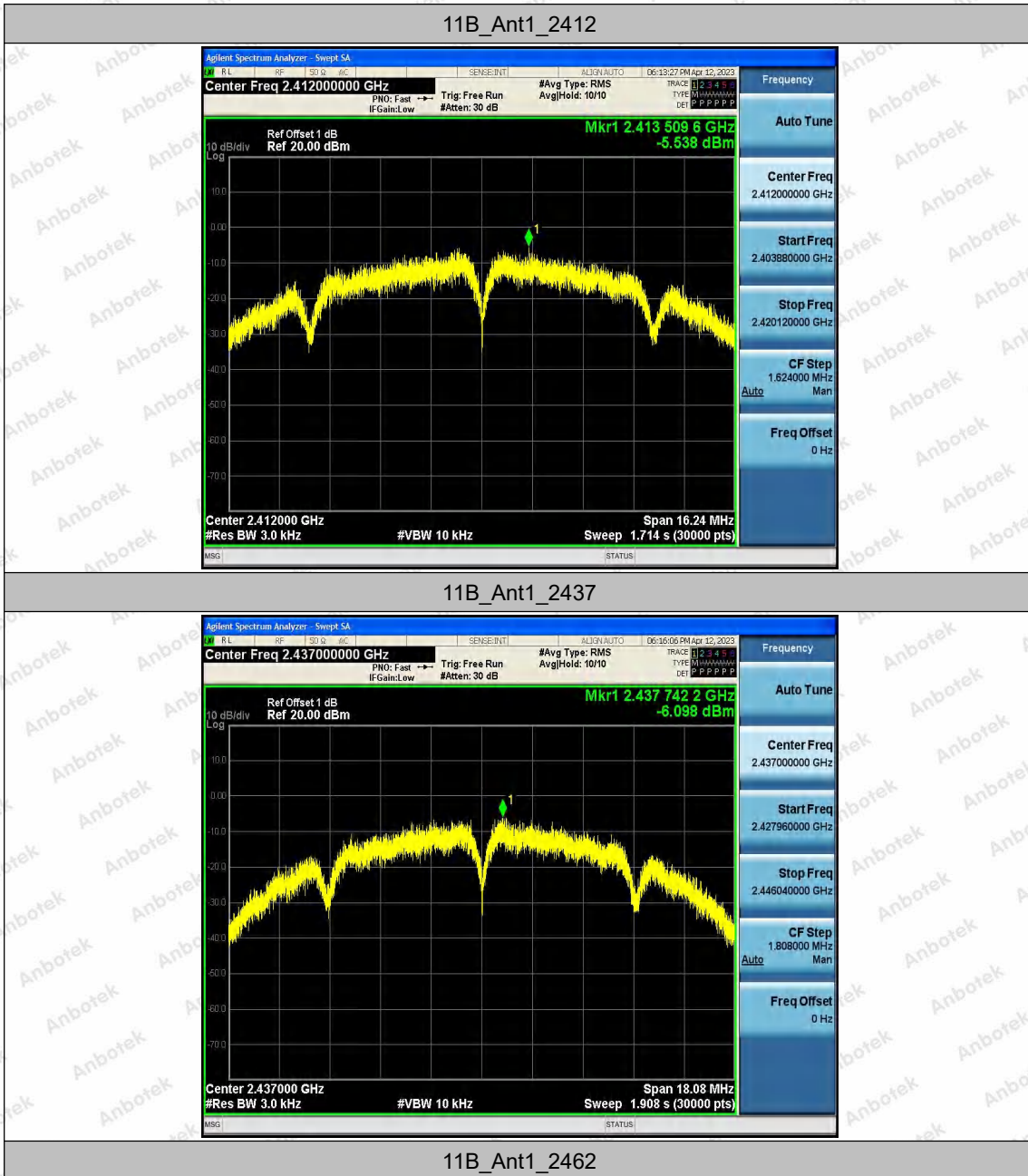
## Appendix D: Maximum power spectral density

### Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.54	≤8.00	PASS
		2437	-6.1	≤8.00	PASS
		2462	-5.52	≤8.00	PASS
11G	Ant1	2412	-12.13	≤8.00	PASS
		2437	-12.28	≤8.00	PASS
		2462	-12.03	≤8.00	PASS
11N20SISO	Ant1	2412	-11.36	≤8.00	PASS
		2437	-12.37	≤8.00	PASS
		2462	-12.8	≤8.00	PASS



## Test Graphs



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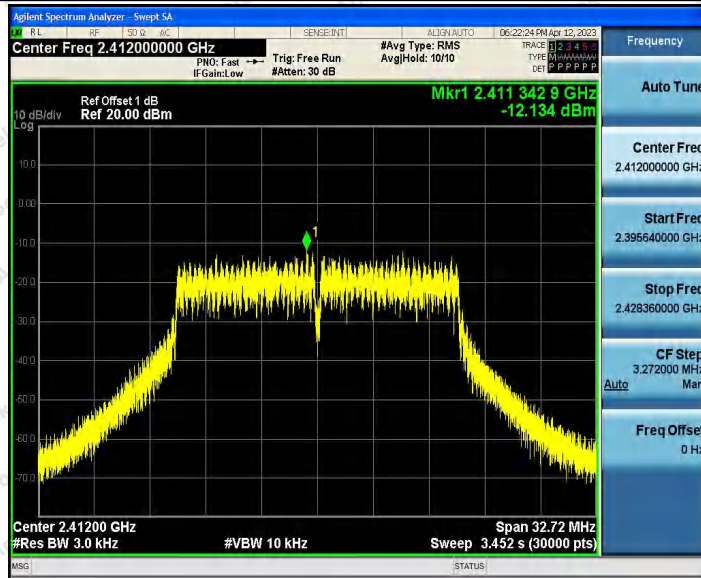
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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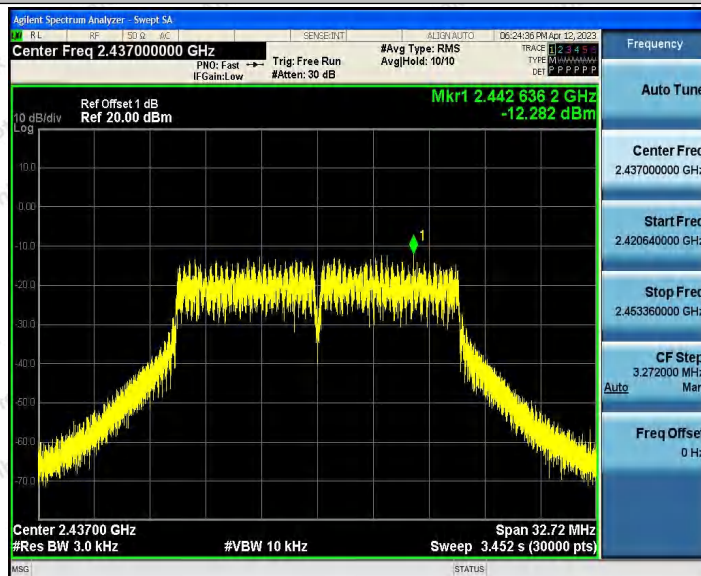




11G\_Ant1\_2412



11G\_Ant1\_2437

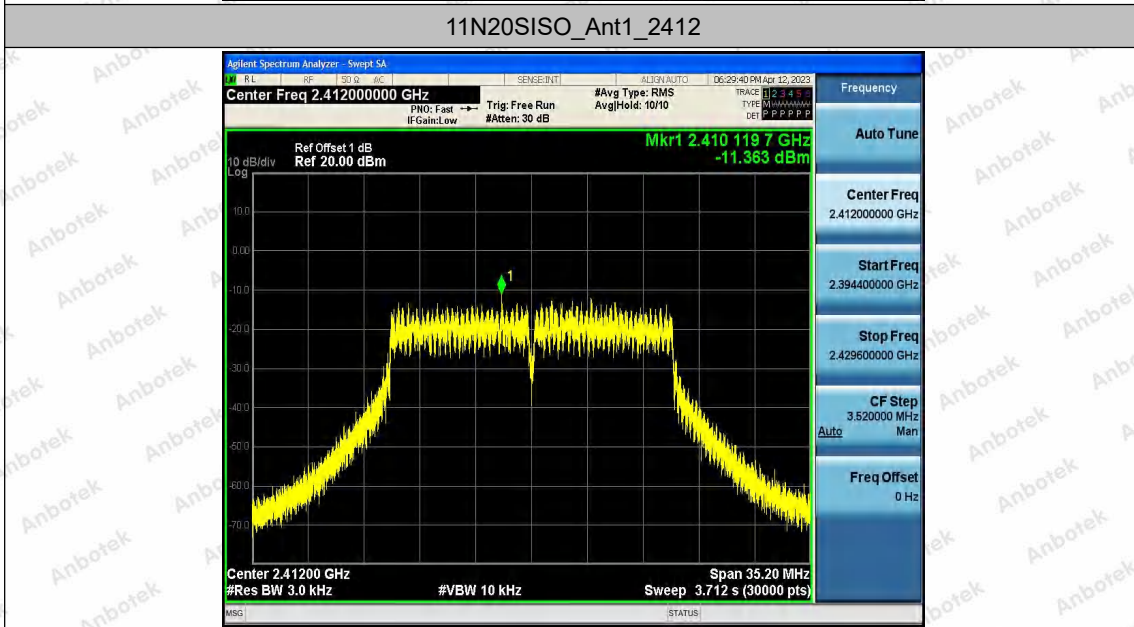
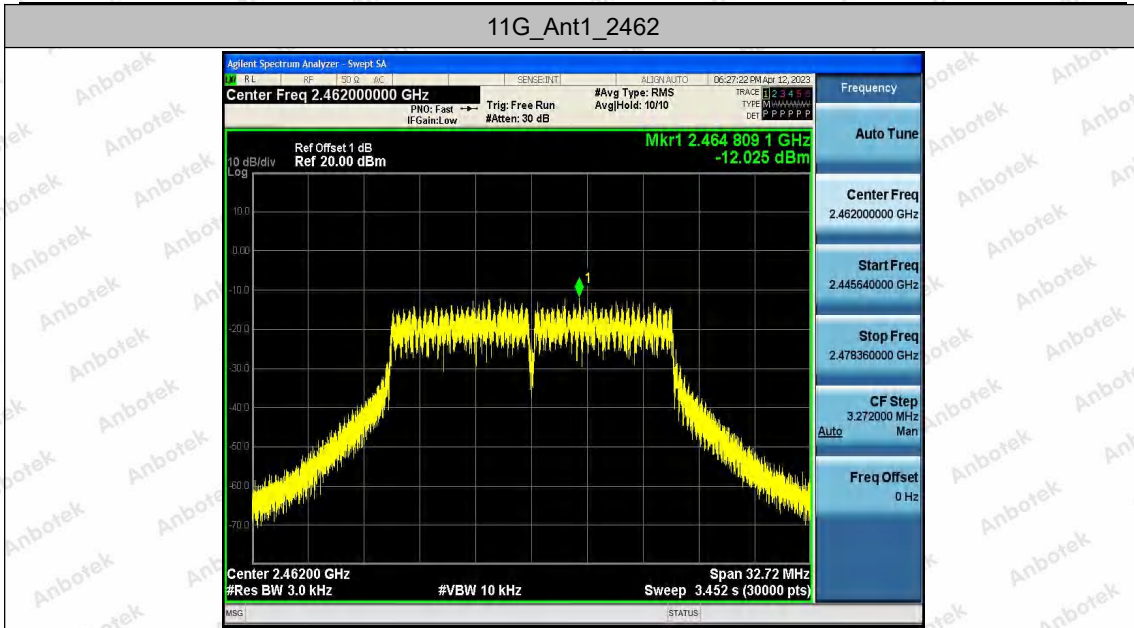


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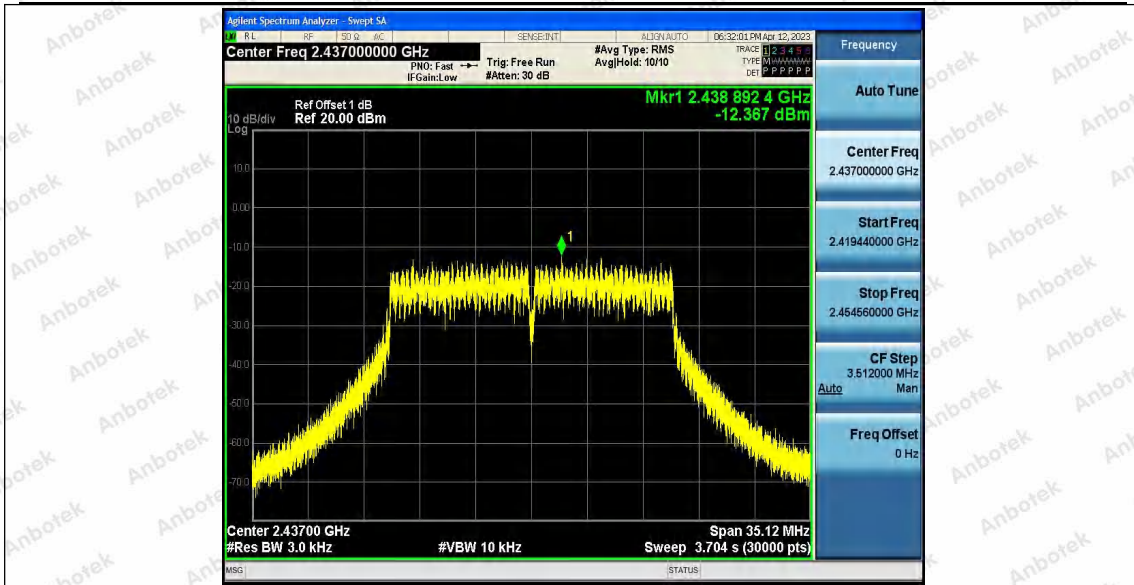
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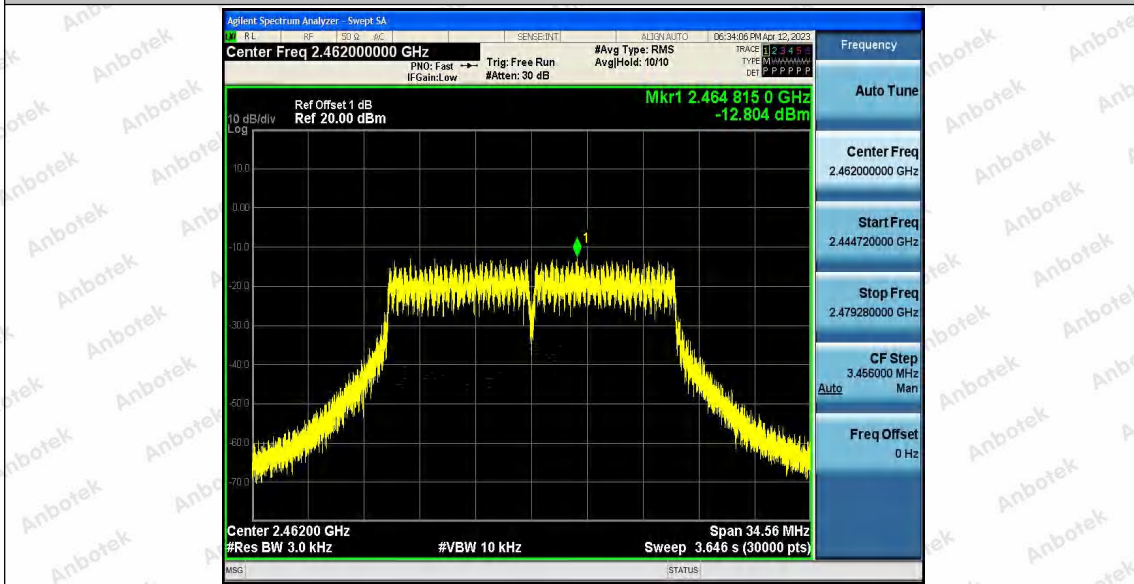
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11N20SISO\_Ant1\_2462



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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	7.57	-44.09	≤-12.43	PASS
		High	2462	8.34	-52.64	≤-11.66	PASS
11G	Ant1	Low	2412	1.37	-34.04	≤-18.63	PASS
		High	2462	2.26	-46.3	≤-17.74	PASS
11N20SISO	Ant1	Low	2412	-0.22	-32.34	≤-20.22	PASS
		High	2462	2.23	-46.41	≤-17.77	PASS

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## Test Graphs



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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	6.97	6.97	---	PASS
			30~1000	6.97	-68.1	≤-13.03	PASS
			1000~26500	6.97	-44.72	≤-13.03	PASS
		2437	Reference	6.49	6.49	---	PASS
			30~1000	6.49	-68.23	≤-13.51	PASS
			1000~26500	6.49	-47.79	≤-13.51	PASS
		2462	Reference	6.09	6.09	---	PASS
			30~1000	6.09	-68.55	≤-13.91	PASS
			1000~26500	6.09	-50.66	≤-13.91	PASS
11G	Ant1	2412	Reference	1.18	1.18	---	PASS
			30~1000	1.18	-67.79	≤-18.82	PASS
			1000~26500	1.18	-54.18	≤-18.82	PASS
		2437	Reference	-0.77	-0.77	---	PASS
			30~1000	-0.77	-68.25	≤-20.77	PASS
			1000~26500	-0.77	-54.26	≤-20.77	PASS
		2462	Reference	-0.75	-0.75	---	PASS
			30~1000	-0.75	-66.87	≤-20.75	PASS
			1000~26500	-0.75	-53.67	≤-20.75	PASS
11N20SISO	Ant1	2412	Reference	-0.97	-0.97	---	PASS
			30~1000	-0.97	-67.6	≤-20.97	PASS
			1000~26500	-0.97	-54.05	≤-20.97	PASS
		2437	Reference	1.67	1.67	---	PASS
			30~1000	1.67	-66.97	≤-18.33	PASS
			1000~26500	1.67	-53.27	≤-18.33	PASS
		2462	Reference	0.85	0.85	---	PASS
			30~1000	0.85	-66.41	≤-19.15	PASS
			1000~26500	0.85	-54.46	≤-19.15	PASS

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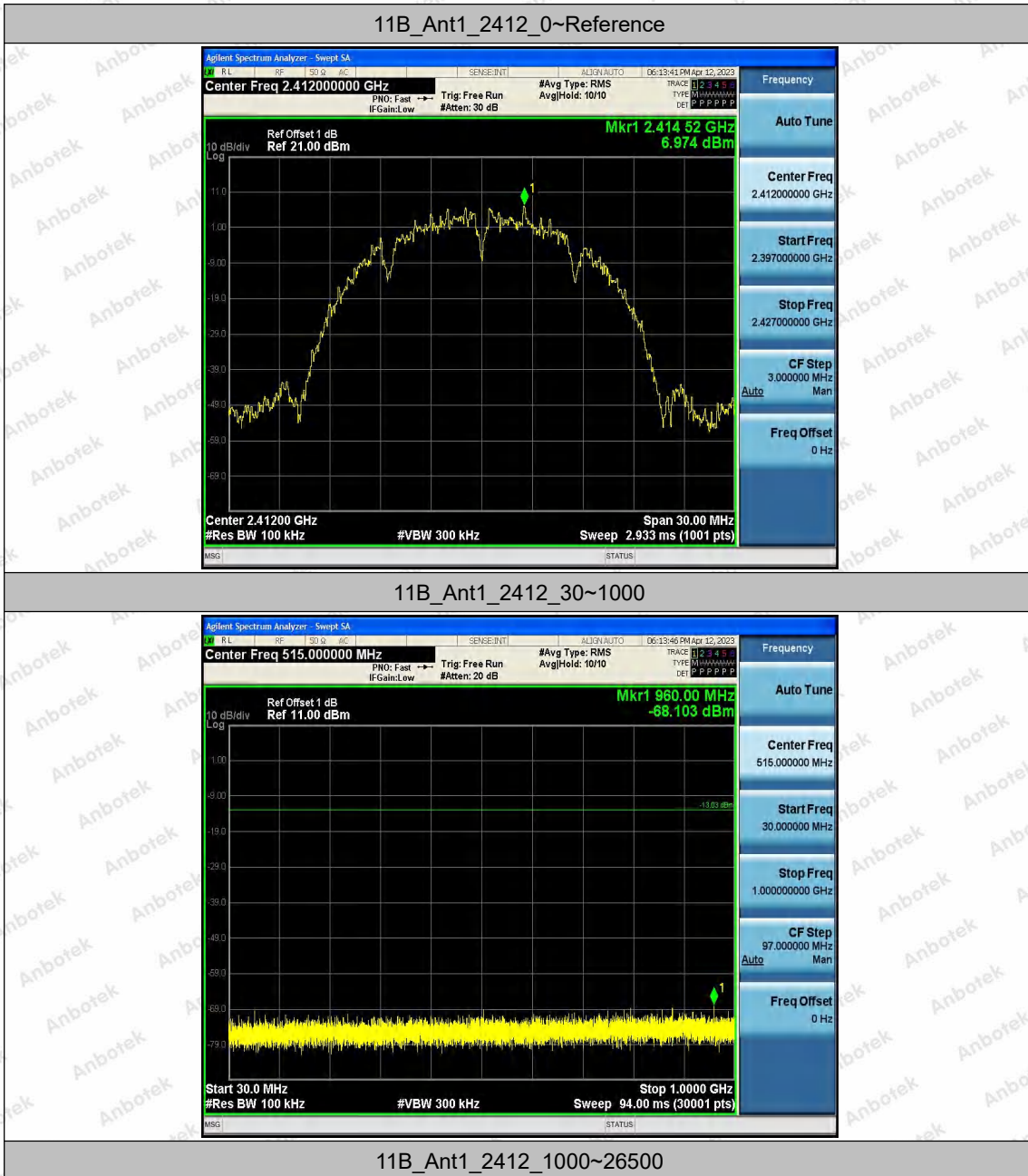
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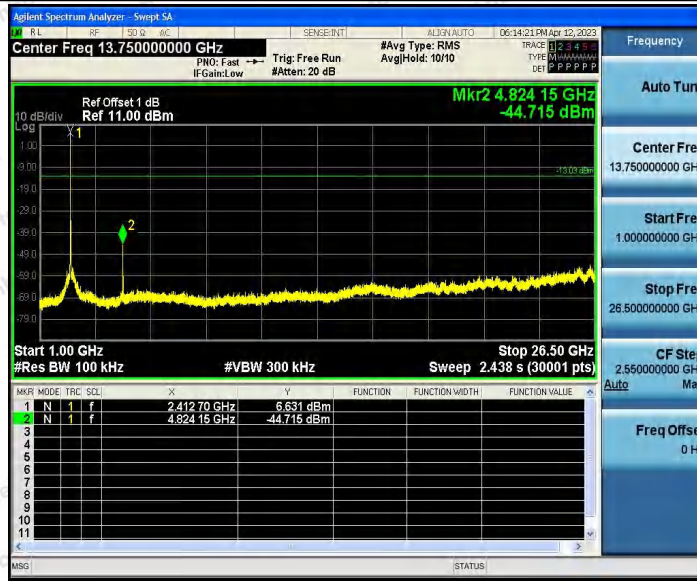


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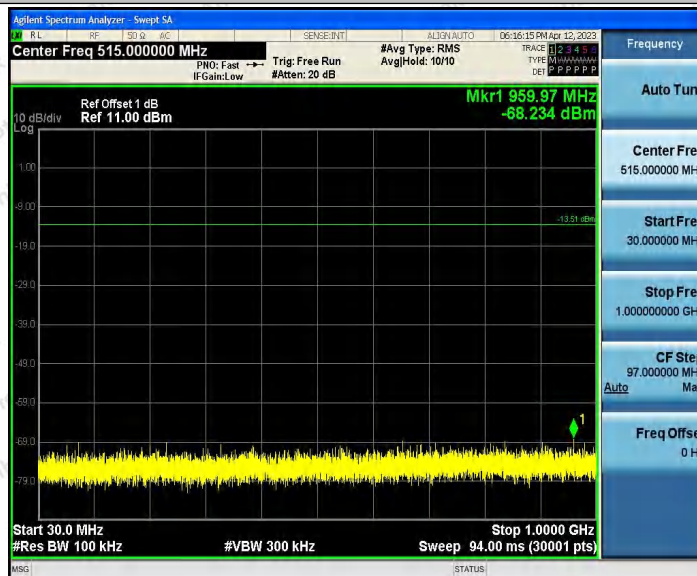




11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



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### 11B\_Ant1\_2437\_1000~26500



### 11B\_Ant1\_2462\_0~Reference



### 11B\_Ant1\_2462\_30~1000

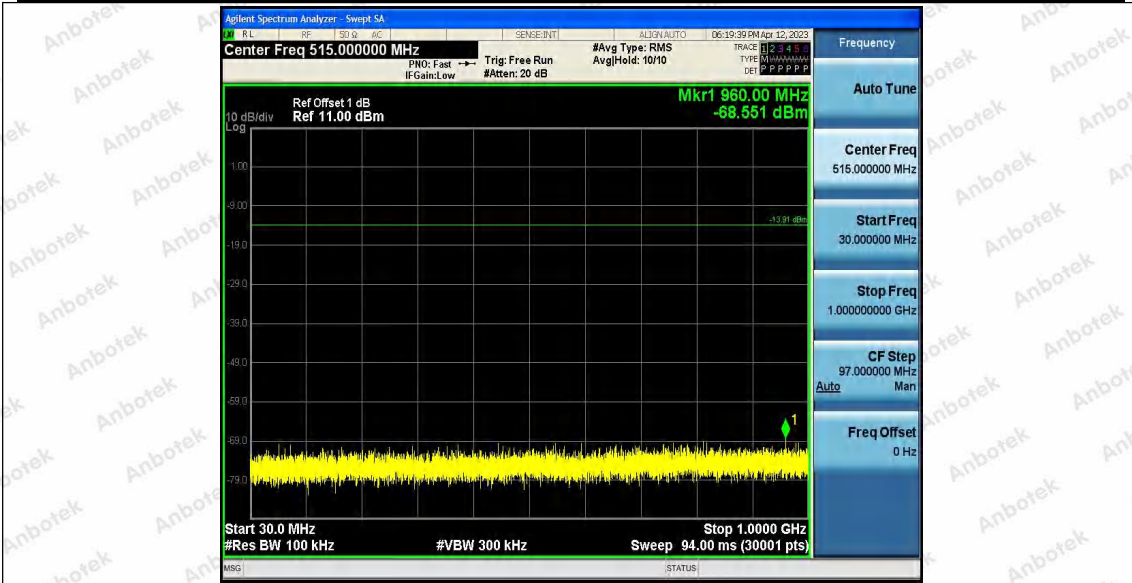
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11B\_Ant1\_2462\_1000~26500



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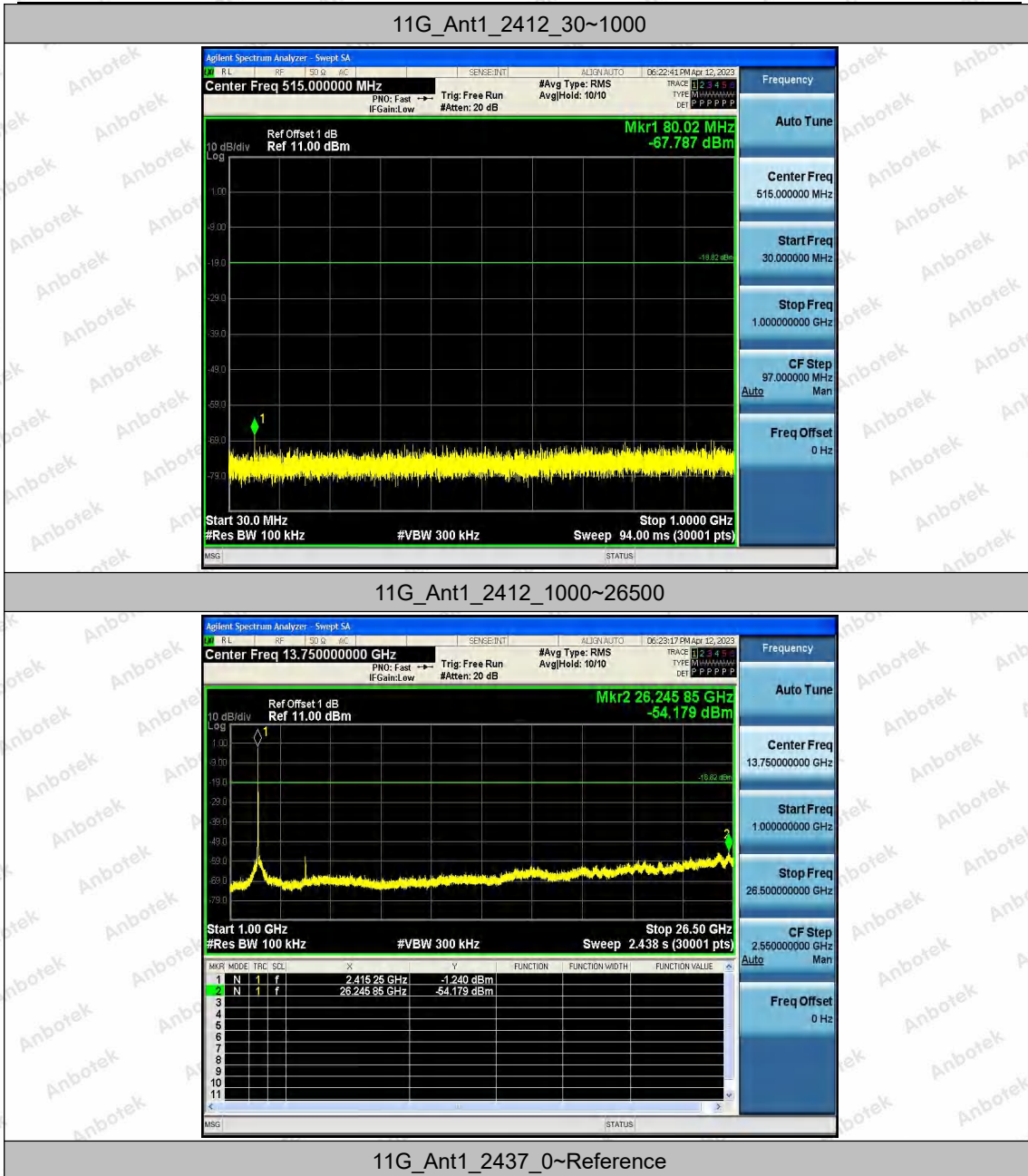


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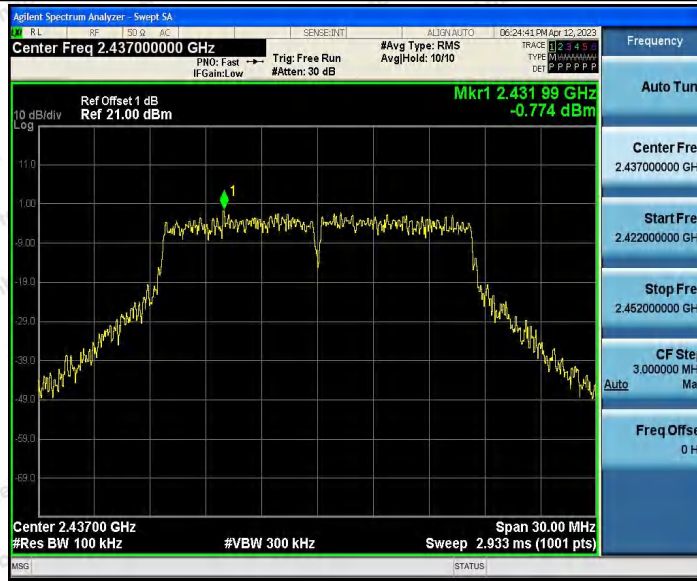


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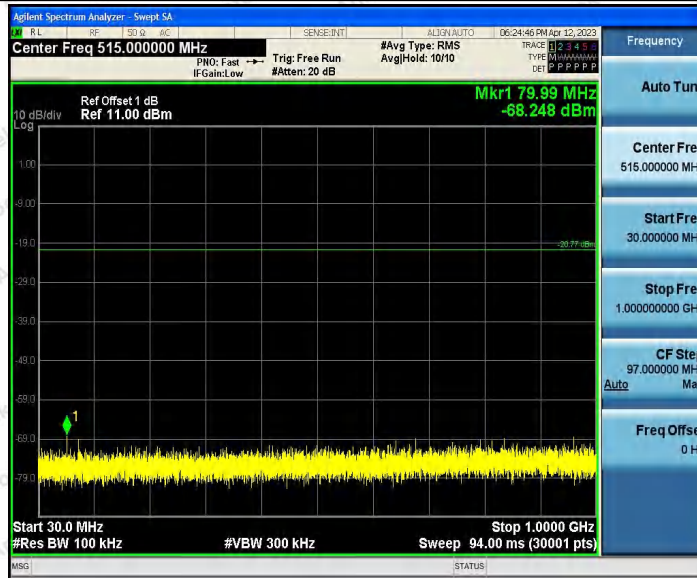
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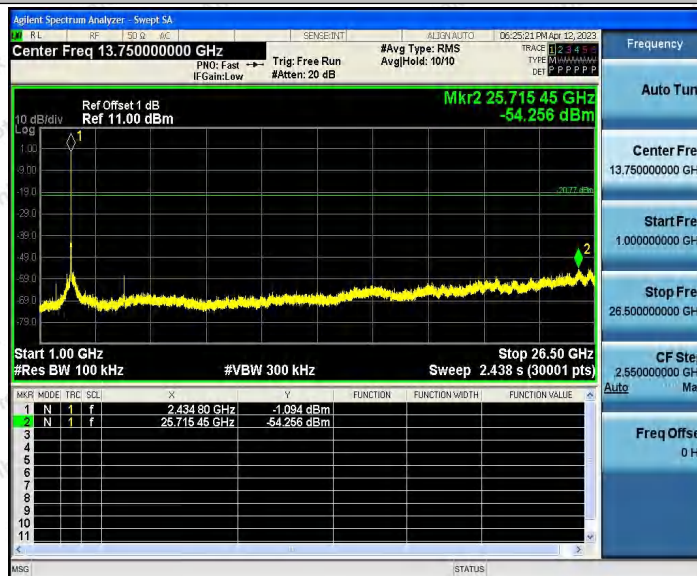




11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

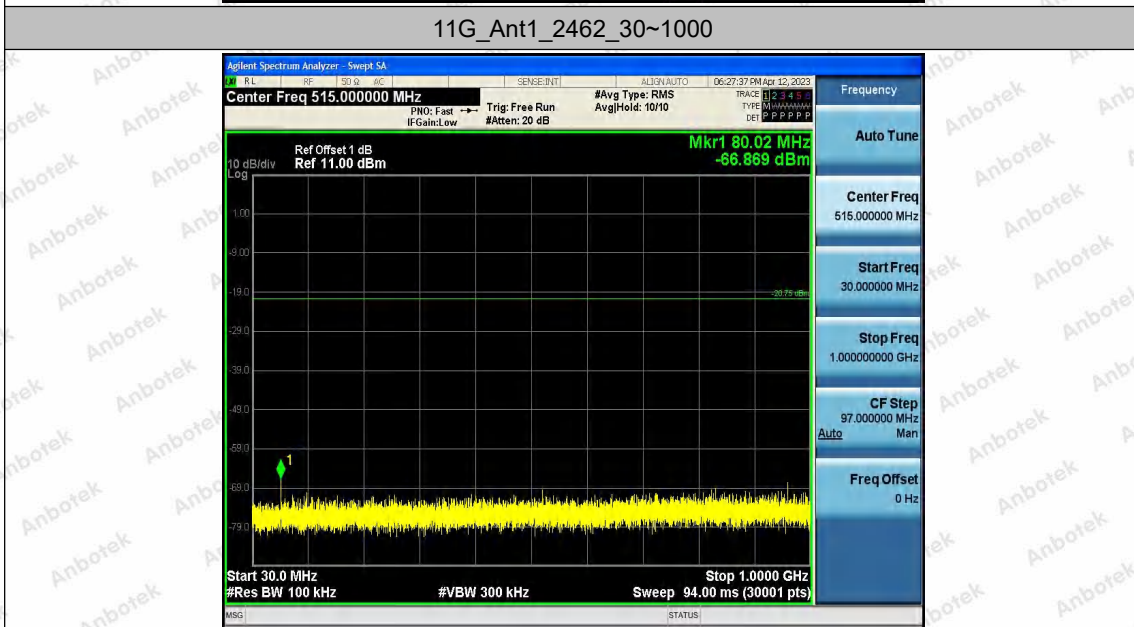
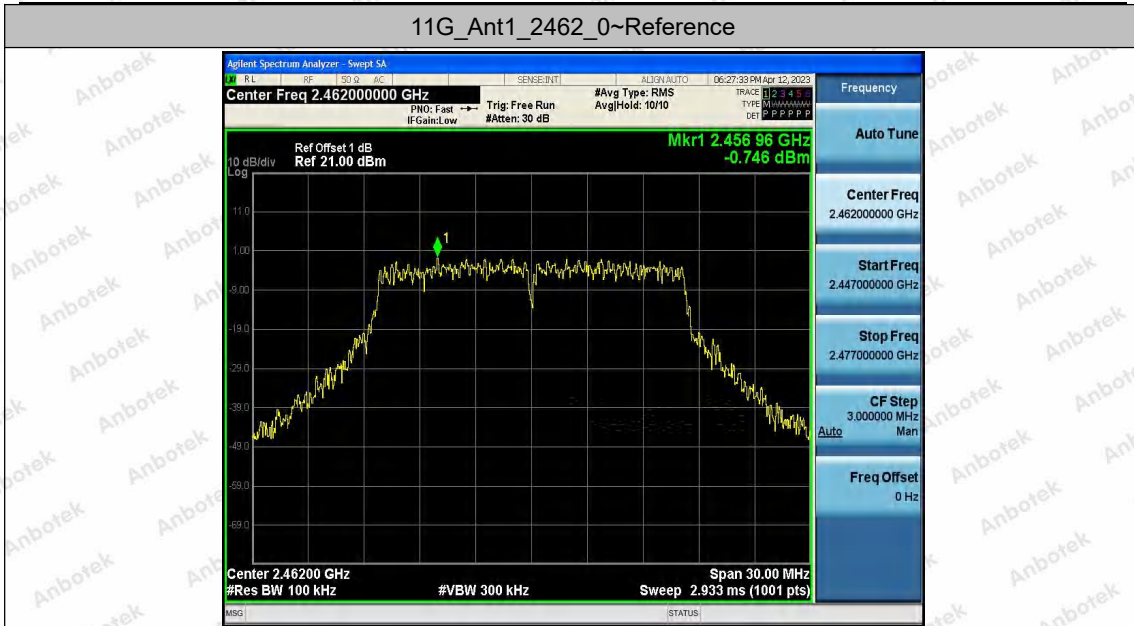


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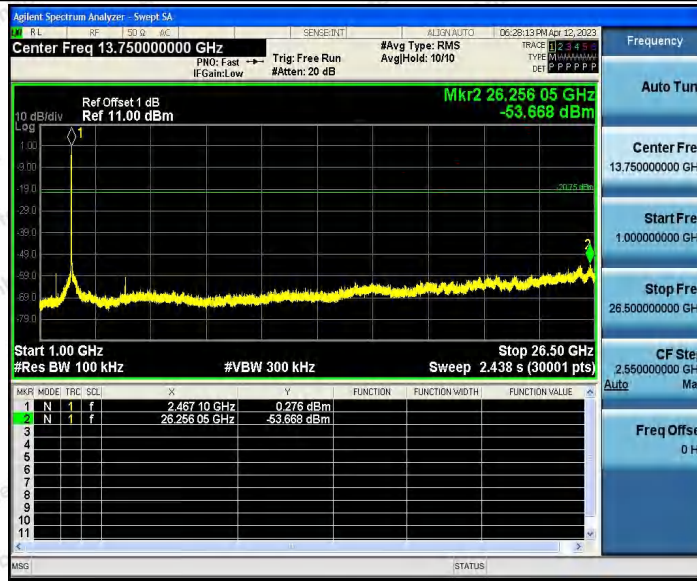
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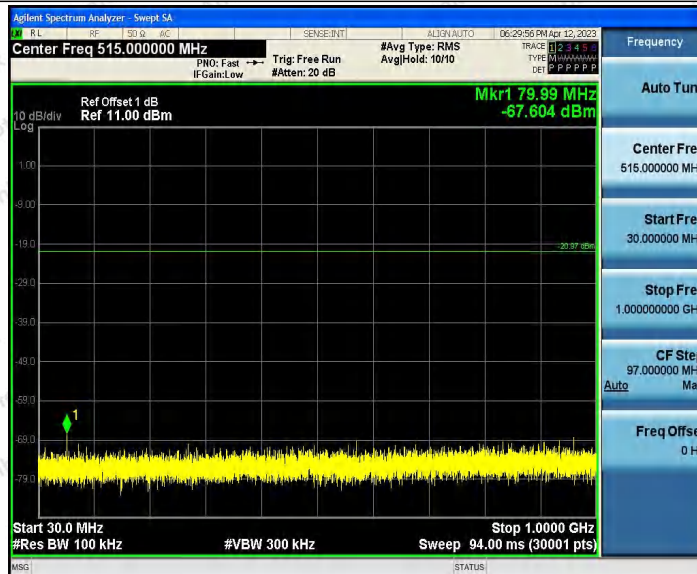




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11N20SISO\_Ant1\_2412\_30~1000

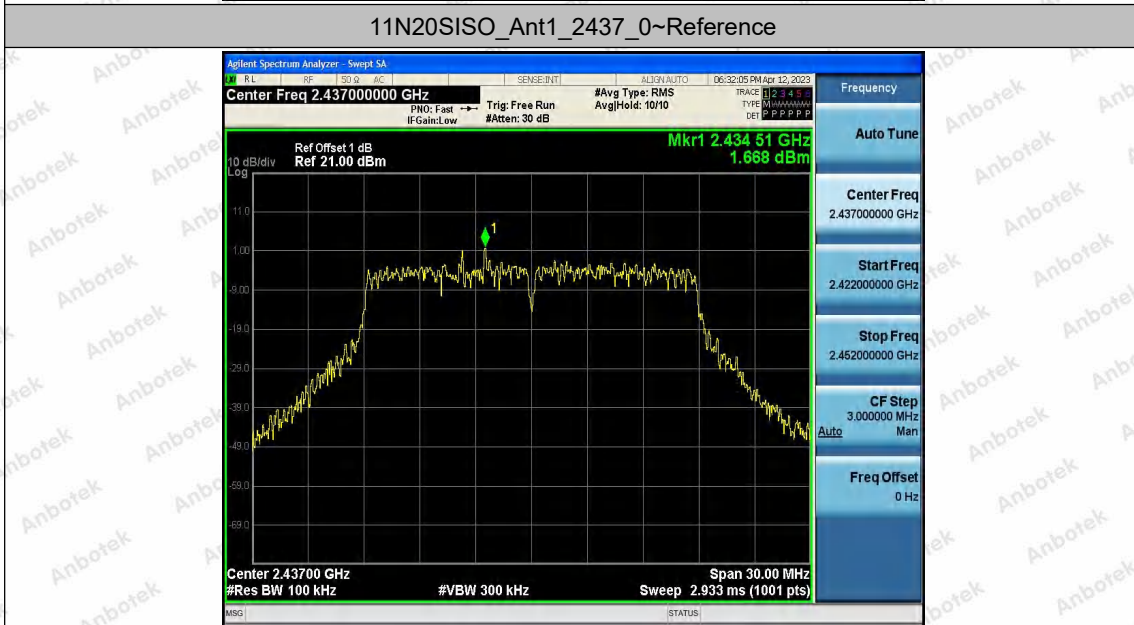
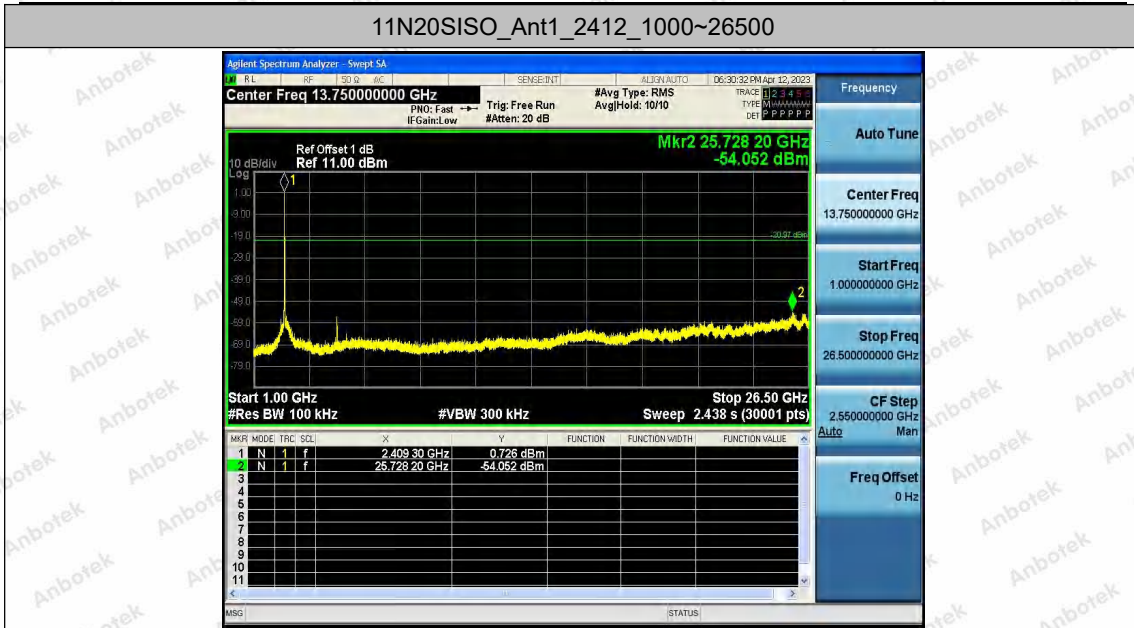


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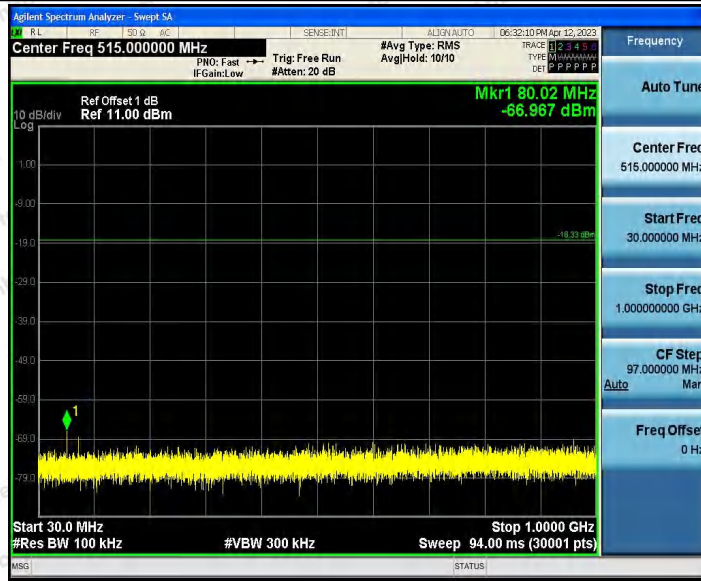
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11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference

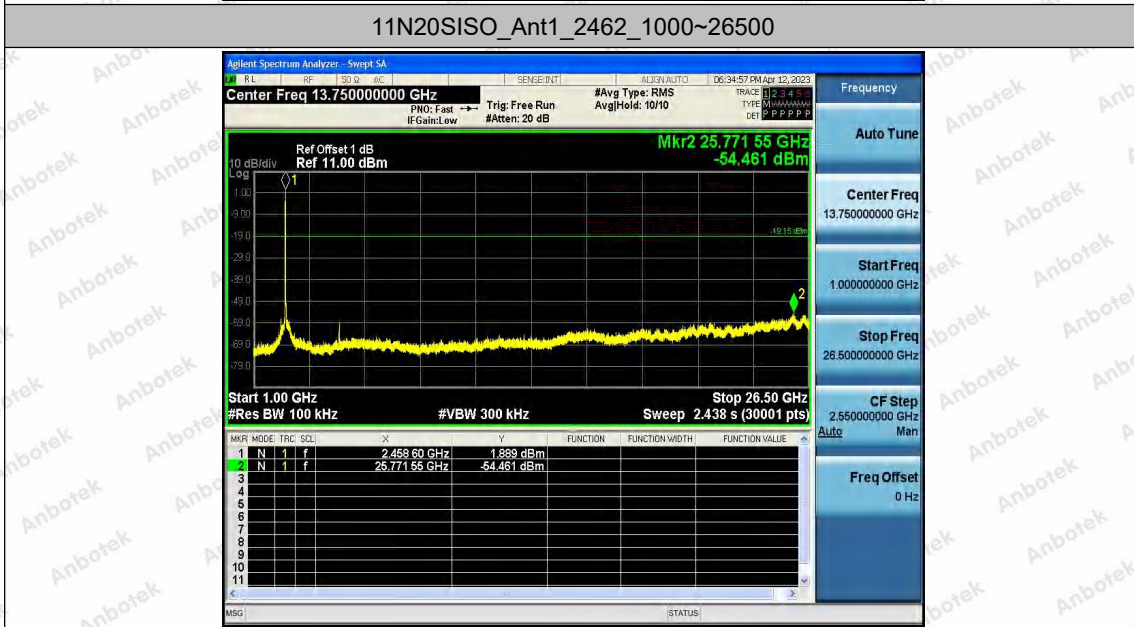
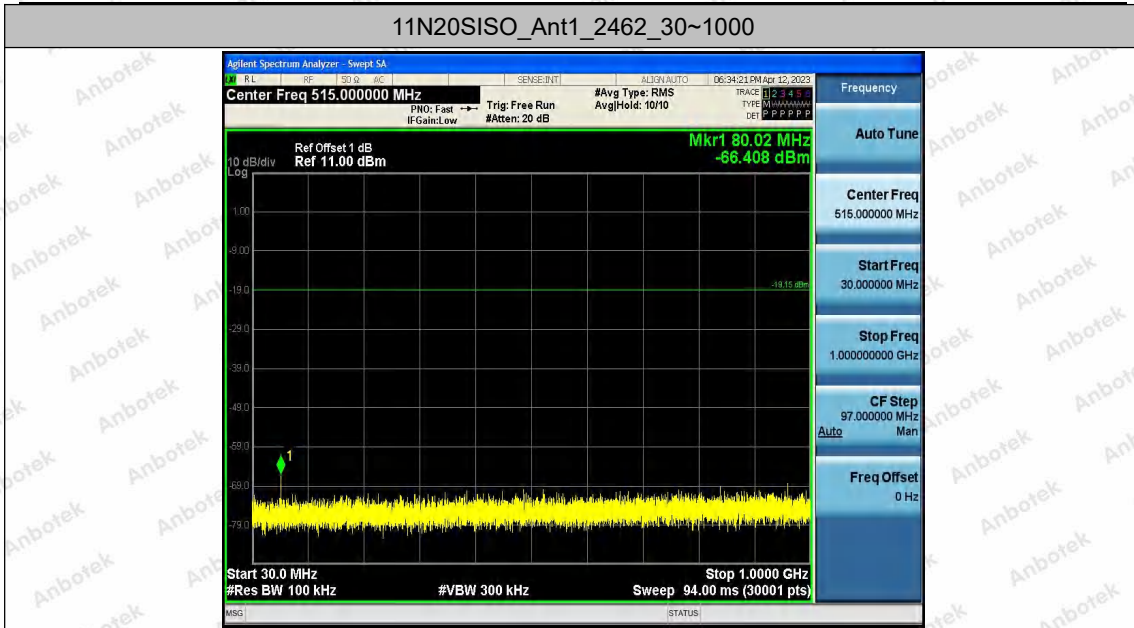


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## Appendix G: Duty Cycle

### Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.55	98.96	0.05
		2437	12.42	12.55	98.96	0.05
		2462	12.42	12.55	98.96	0.05
11G	Ant1	2412	2.07	2.20	94.09	0.26
		2437	2.06	2.19	94.06	0.27
		2462	2.06	2.19	94.06	0.27
11N20SISO	Ant1	2412	1.92	2.05	93.66	0.28
		2437	1.92	2.05	93.66	0.28
		2462	1.92	2.05	93.66	0.28

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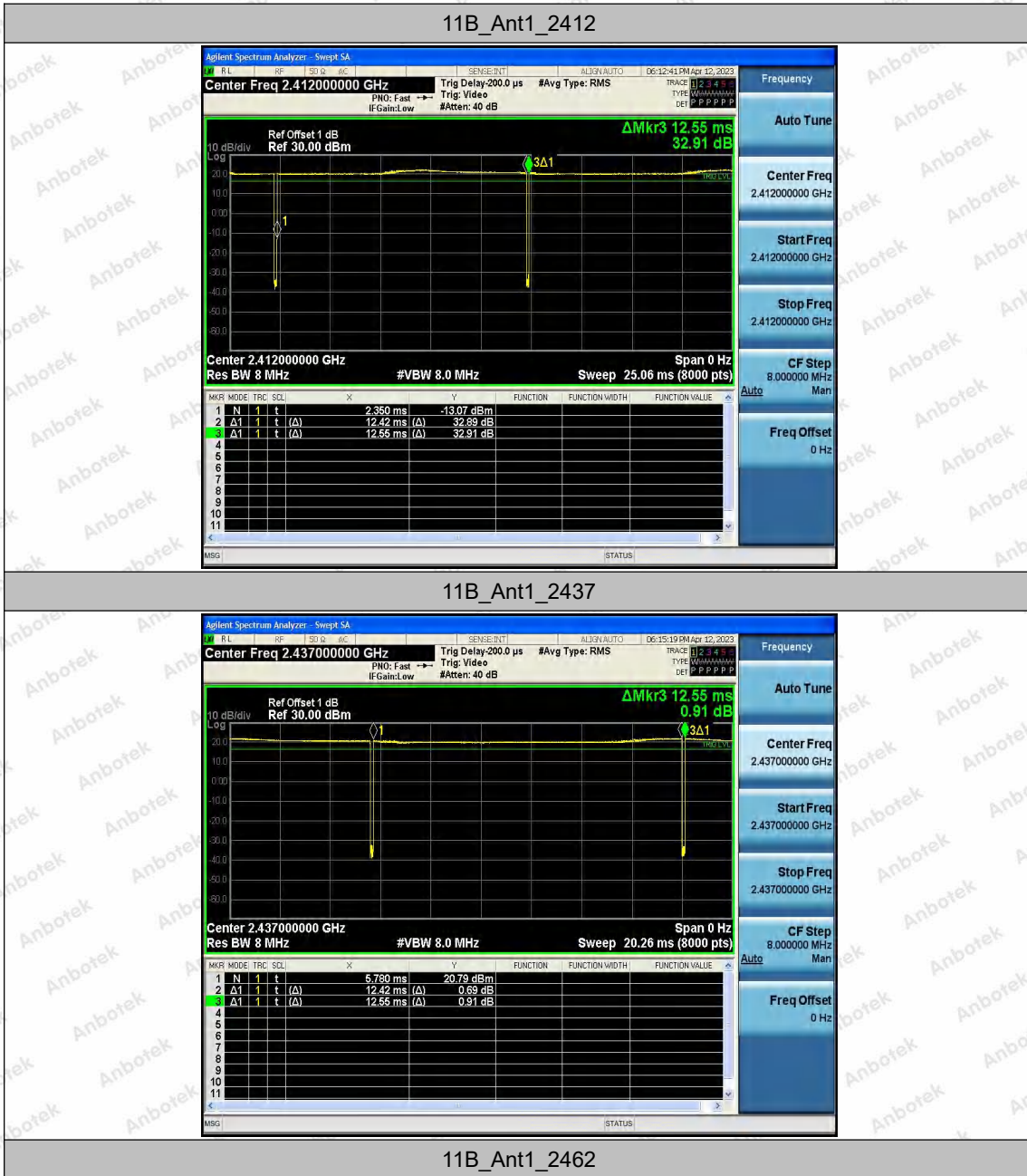
Hotline

400-003-0500

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## Test Graphs



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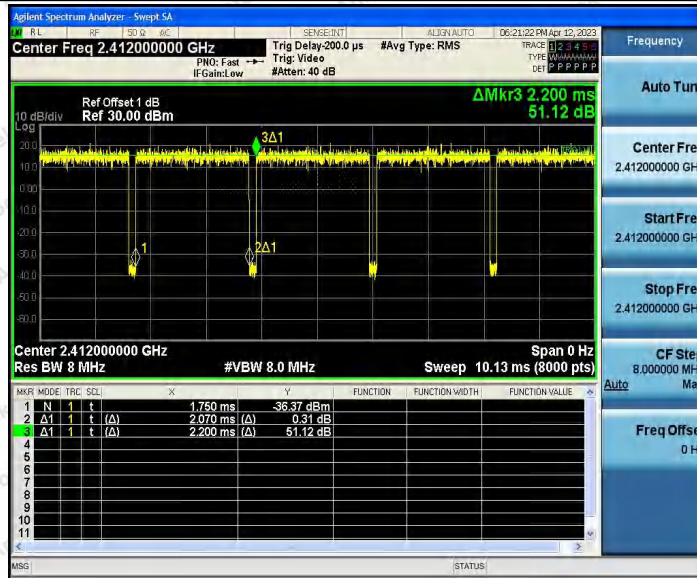
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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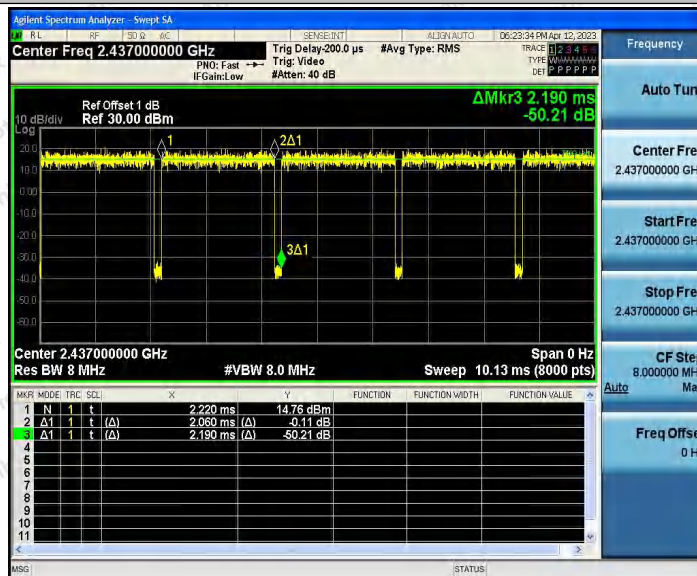




11G\_Ant1\_2412



11G\_Ant1\_2437

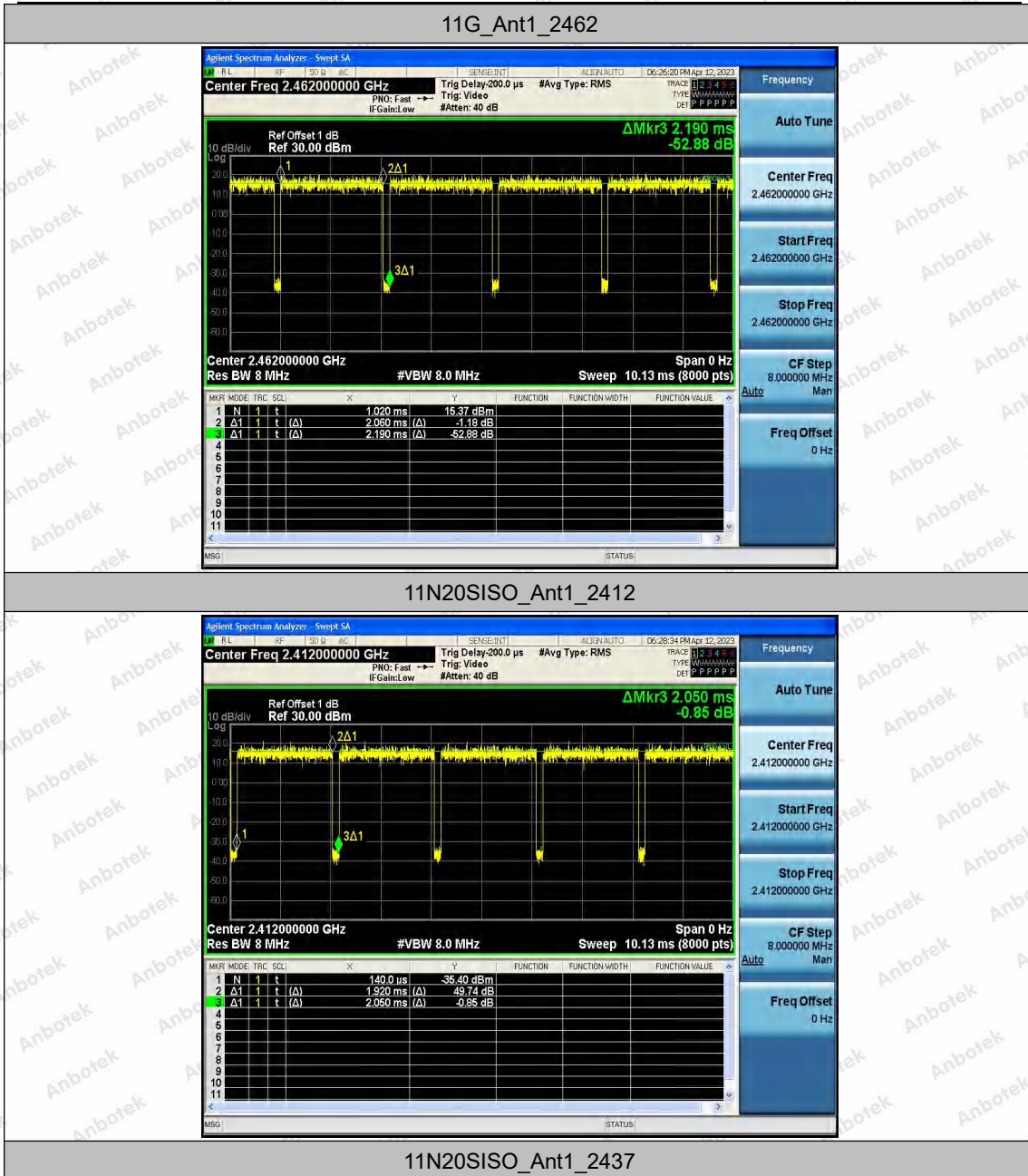


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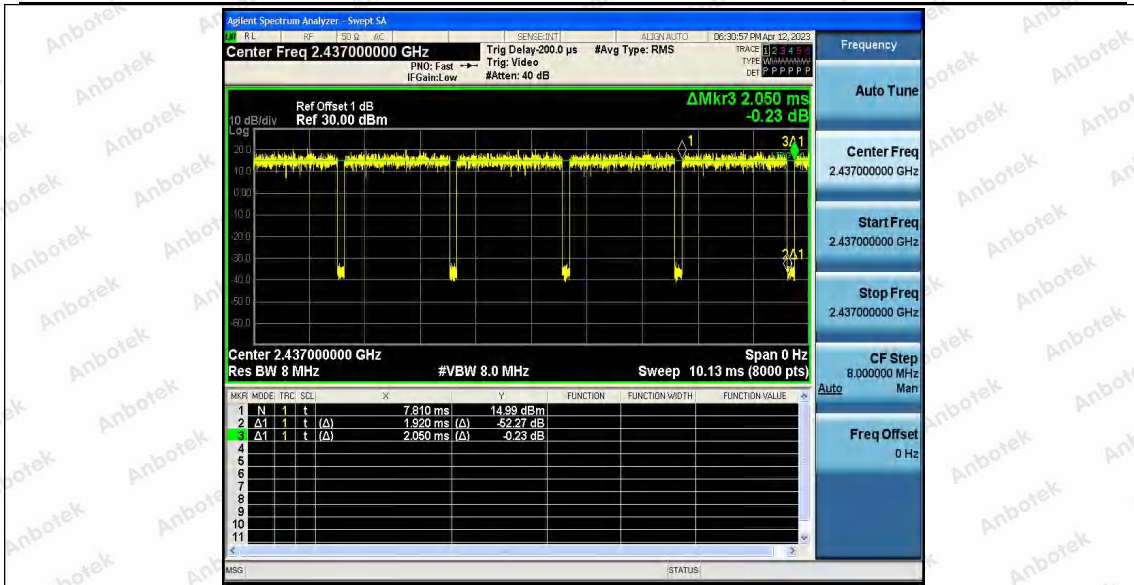


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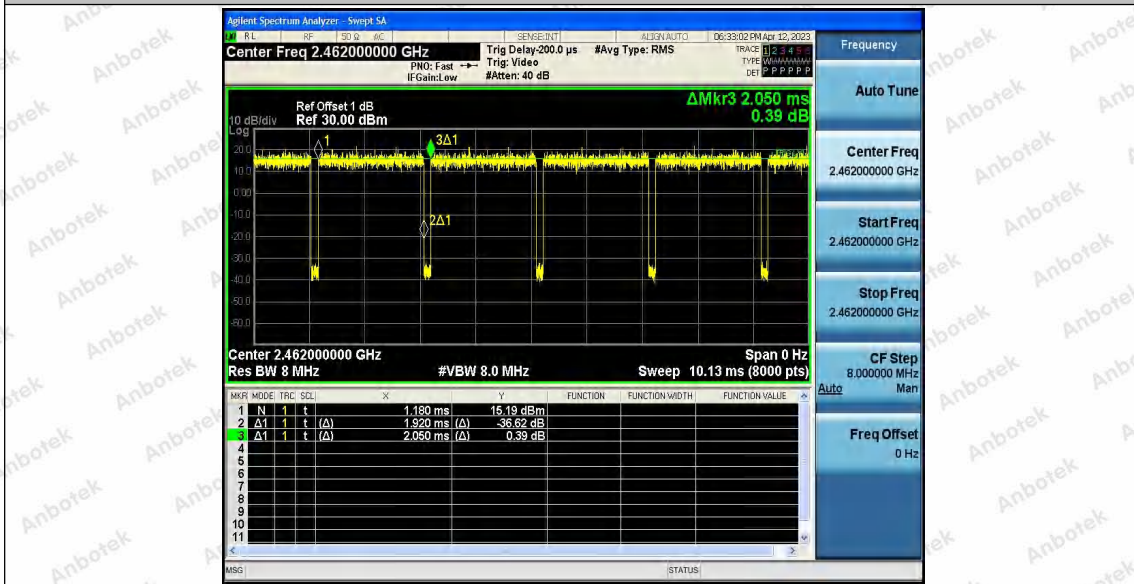
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2462



---End---

