

## Appendix Test Data

Report No.:	18220WC30098302	Test Sample No.:	1-2-2
Start Test Date:	2023.05.23	Finish Test Date:	2023.05.24
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	24.3°C	Relative Humidity:	45%
Pressure:	1012 hPa		

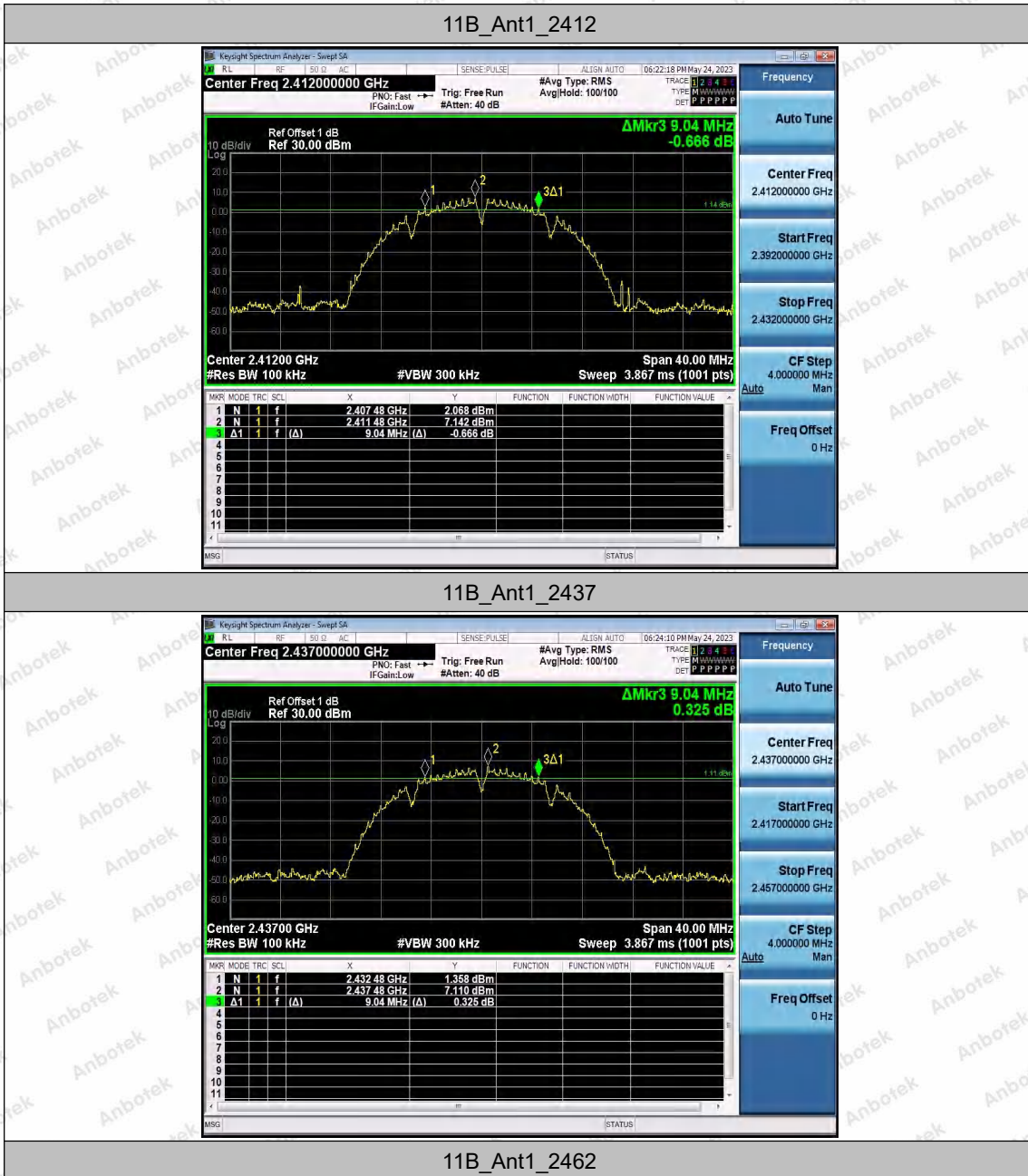
## Appendix A: DTS Bandwidth

## Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	≥0.5	PASS
		2437	9.040	2432.480	2441.520	≥0.5	PASS
		2462	9.080	2457.480	2466.560	≥0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	≥0.5	PASS
		2437	16.360	2428.800	2445.160	≥0.5	PASS
		2462	16.320	2453.840	2470.160	≥0.5	PASS
11N20SISO	Ant1	2412	17.120	2403.440	2420.560	≥0.5	PASS
		2437	17.560	2428.200	2445.760	≥0.5	PASS
		2462	17.560	2453.200	2470.760	≥0.5	PASS



## 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	14.016	2405.0018	2419.0178
		2437	14.013	2429.9995	2444.0125
		2462	13.993	2455.0082	2469.0012
11G	Ant1	2412	17.226	2403.3979	2420.6239
		2437	17.264	2428.4647	2445.7287
		2462	17.187	2453.4532	2470.6402
11N20SISO	Ant1	2412	18.242	2402.9151	2421.1571
		2437	18.255	2427.8985	2446.1535
		2462	18.255	2452.8481	2471.1031

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## Test Graphs



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11G\_Ant1\_2412



11G\_Ant1\_2437



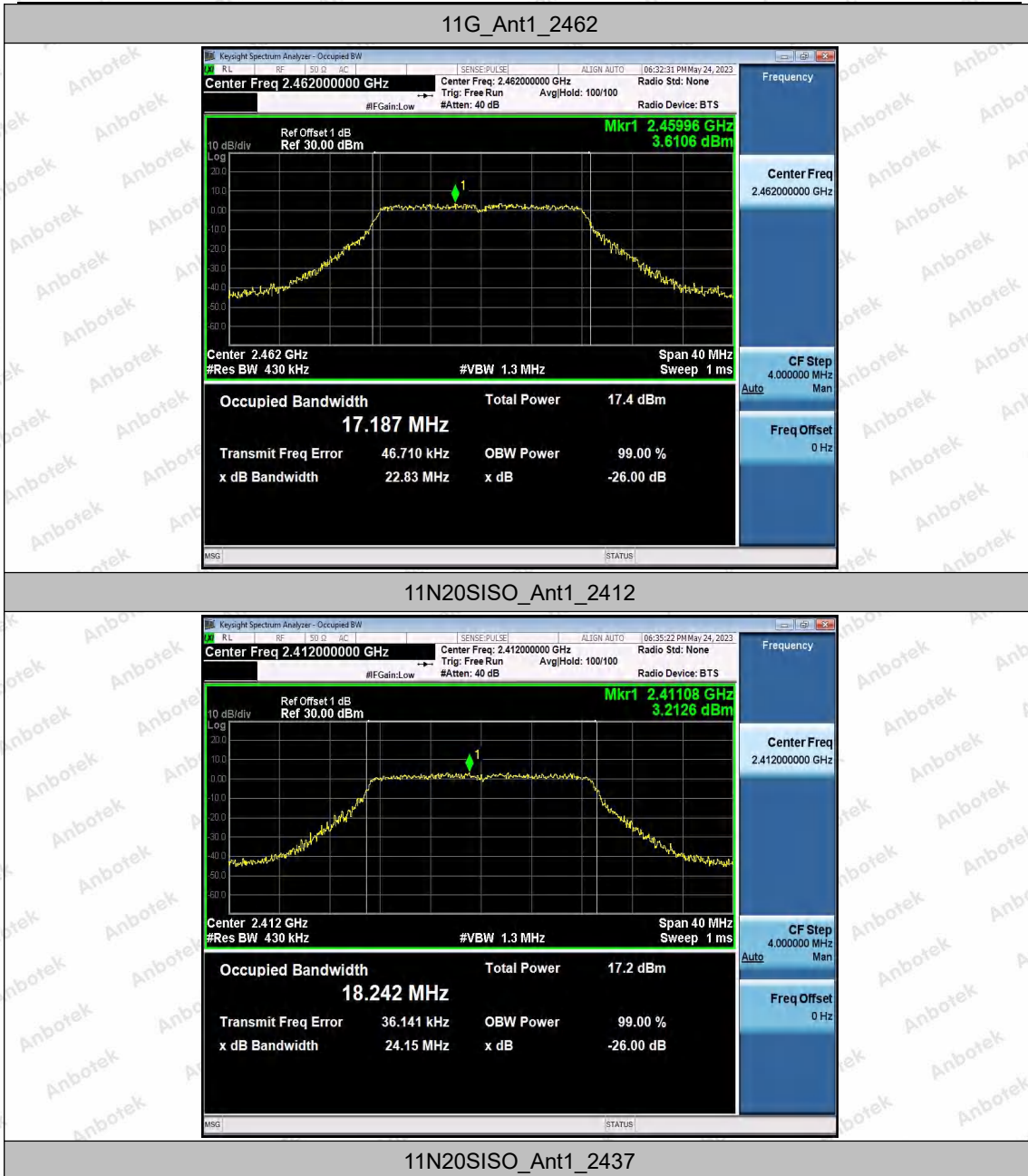
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## Appendix C: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	<b>18.76</b>	≤30.00
		2437	18.69	≤30.00
		2462	18.67	≤30.00
11G	Ant1	2412	18.35	≤30.00
		2437	18.50	≤30.00
		2462	18.54	≤30.00
11N20SISO	Ant1	2412	18.47	≤30.00
		2437	18.47	≤30.00
		2462	18.53	≤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	-5.48	≤8.00	PASS
		2437	-6.84	≤8.00	PASS
		2462	-6.2	≤8.00	PASS
11G	Ant1	2412	-14.54	≤8.00	PASS
		2437	-13.08	≤8.00	PASS
		2462	-13.93	≤8.00	PASS
11N20SISO	Ant1	2412	-12.04	≤8.00	PASS
		2437	-14.63	≤8.00	PASS
		2462	-13.94	≤8.00	PASS

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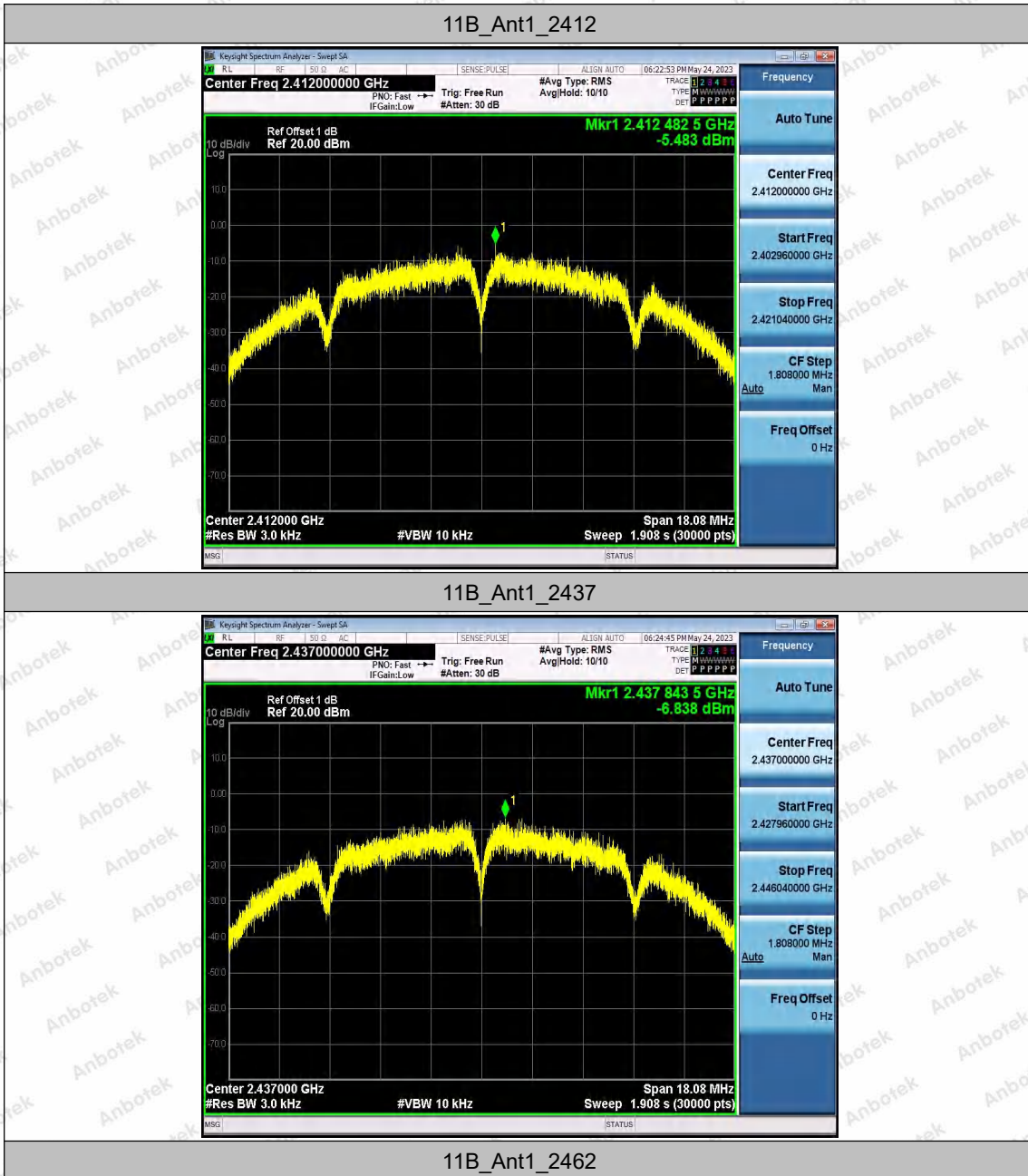
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## Test Graphs

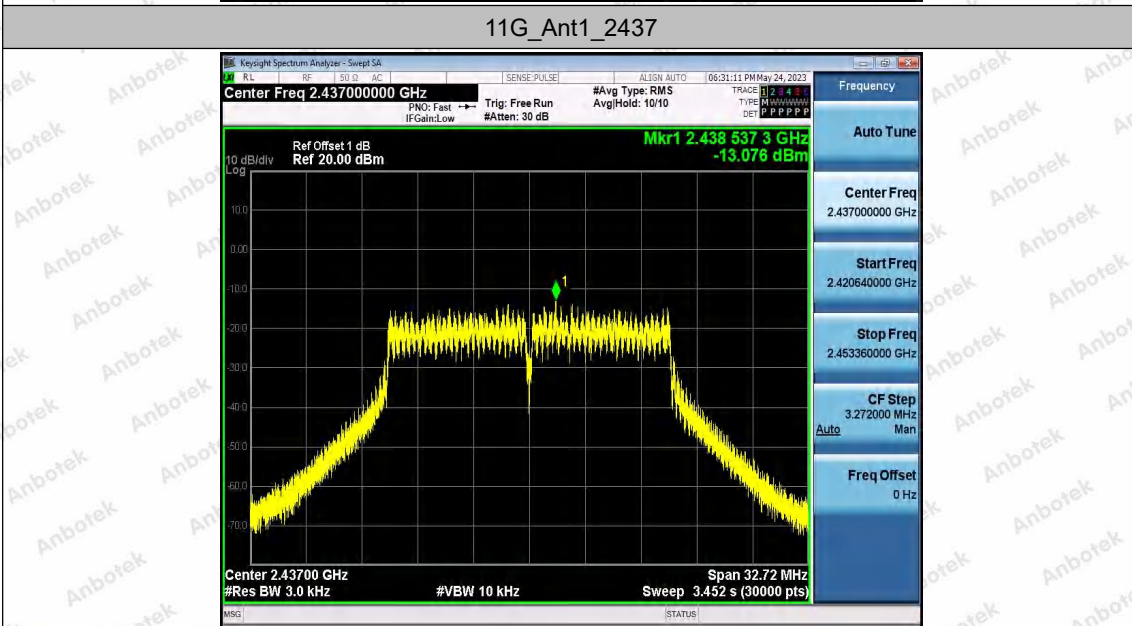
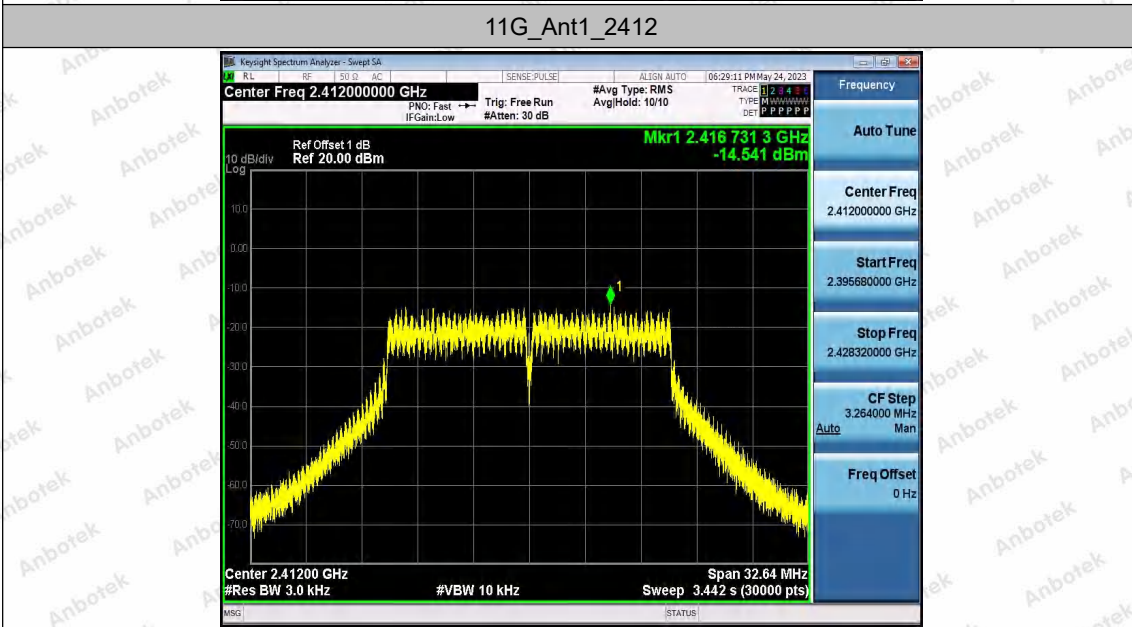


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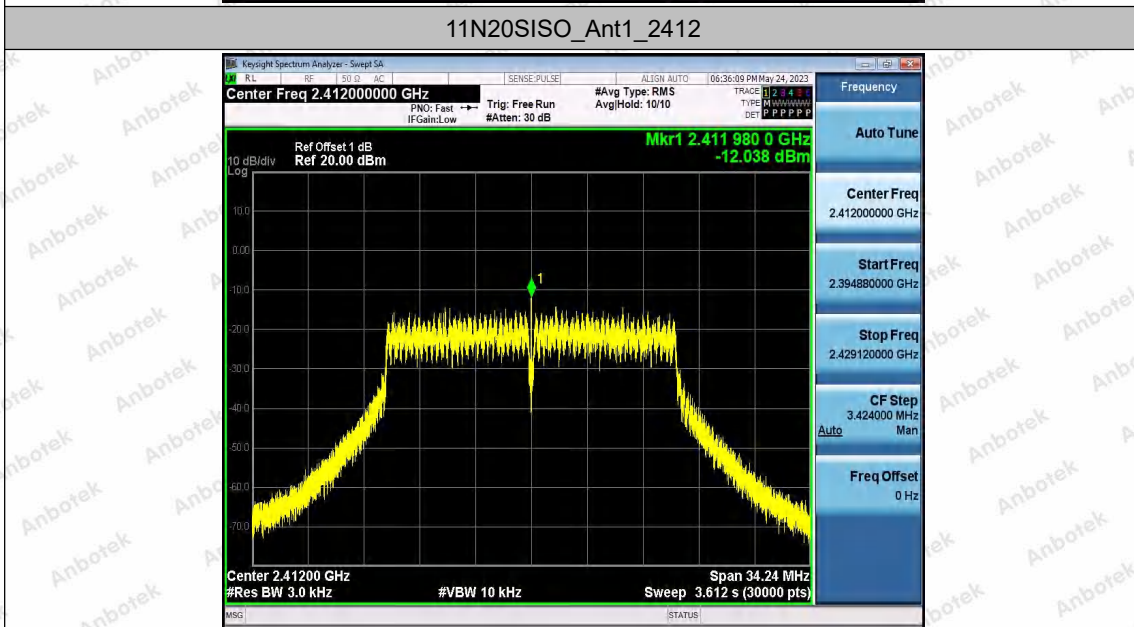
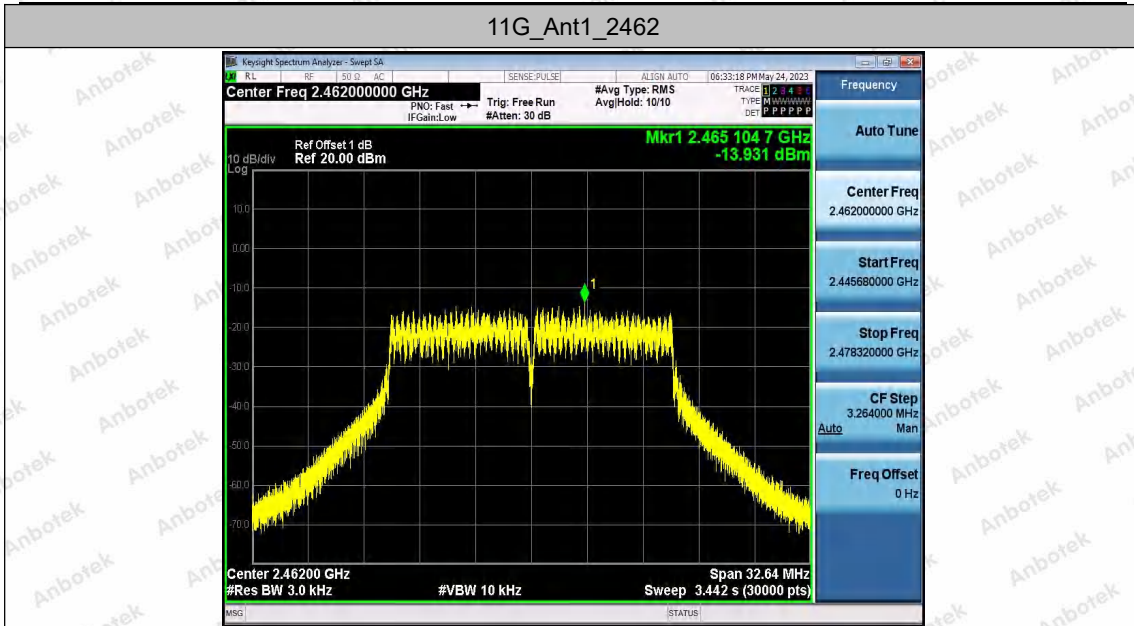


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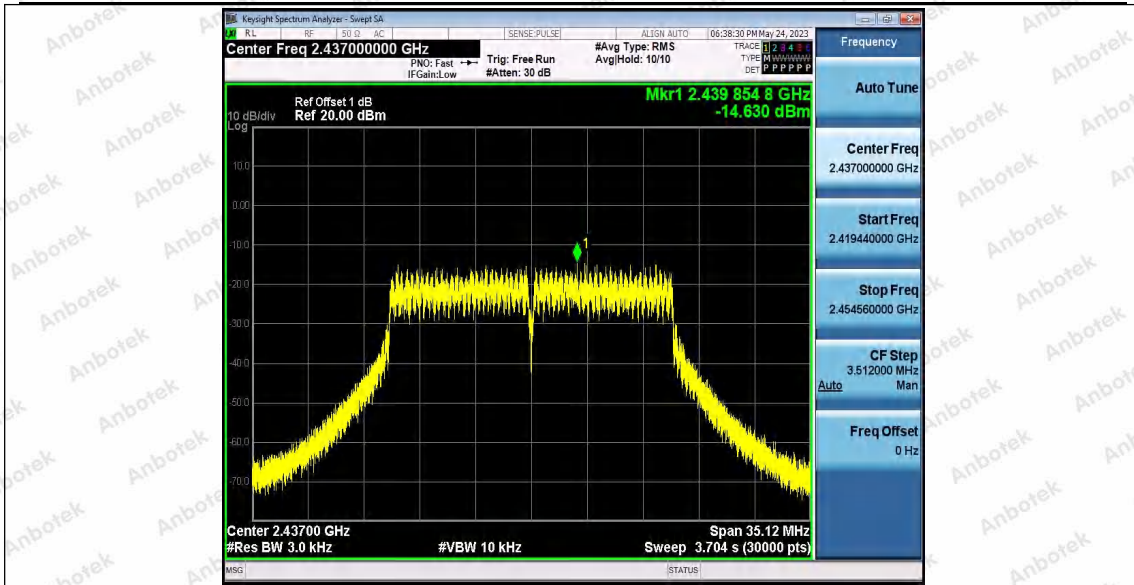
**11N20SISO\_Ant1\_2437**

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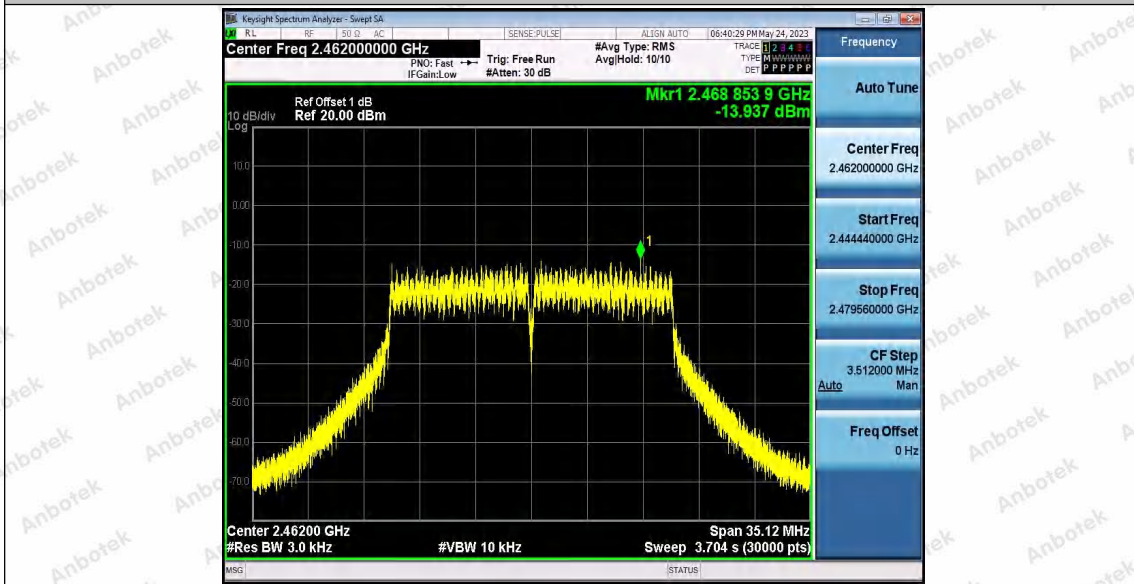
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11N20SISO\_Ant1\_2462



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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	7.01	-37.04	≤-12.99	PASS
		High	2462	6.71	-53.26	≤-13.29	PASS
11G	Ant1	Low	2412	-1.04	-35.72	≤-21.04	PASS
		High	2462	-0.37	-51.66	≤-20.37	PASS
11N20SISO	Ant1	Low	2412	-0.34	-35.51	≤-20.34	PASS
		High	2462	-0.15	-53.54	≤-20.15	PASS

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## Test Graphs



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11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412

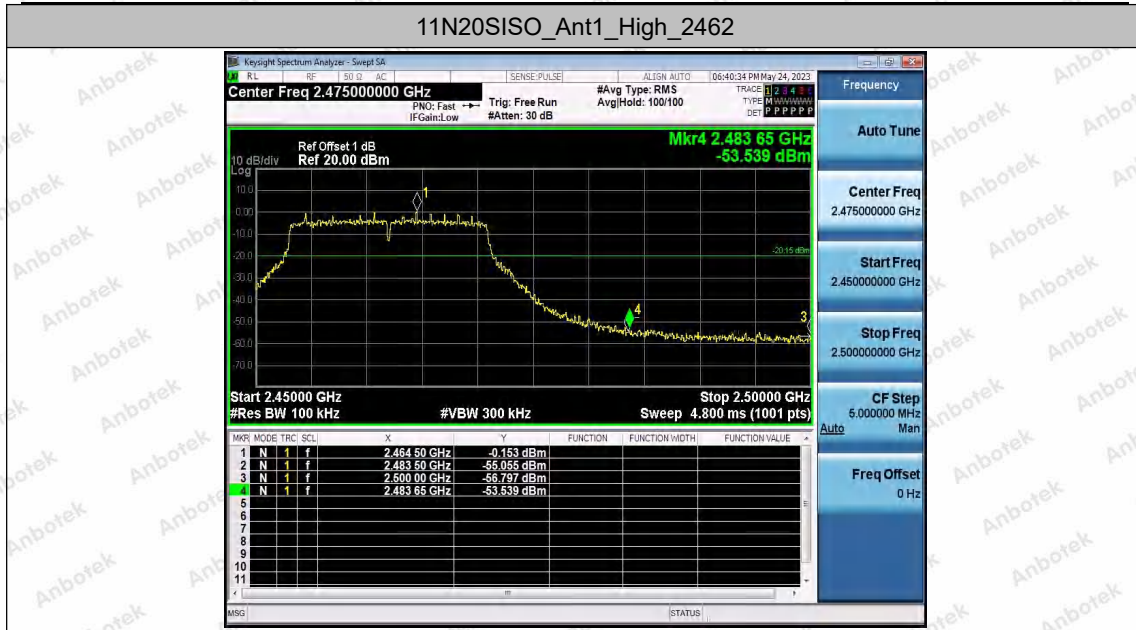


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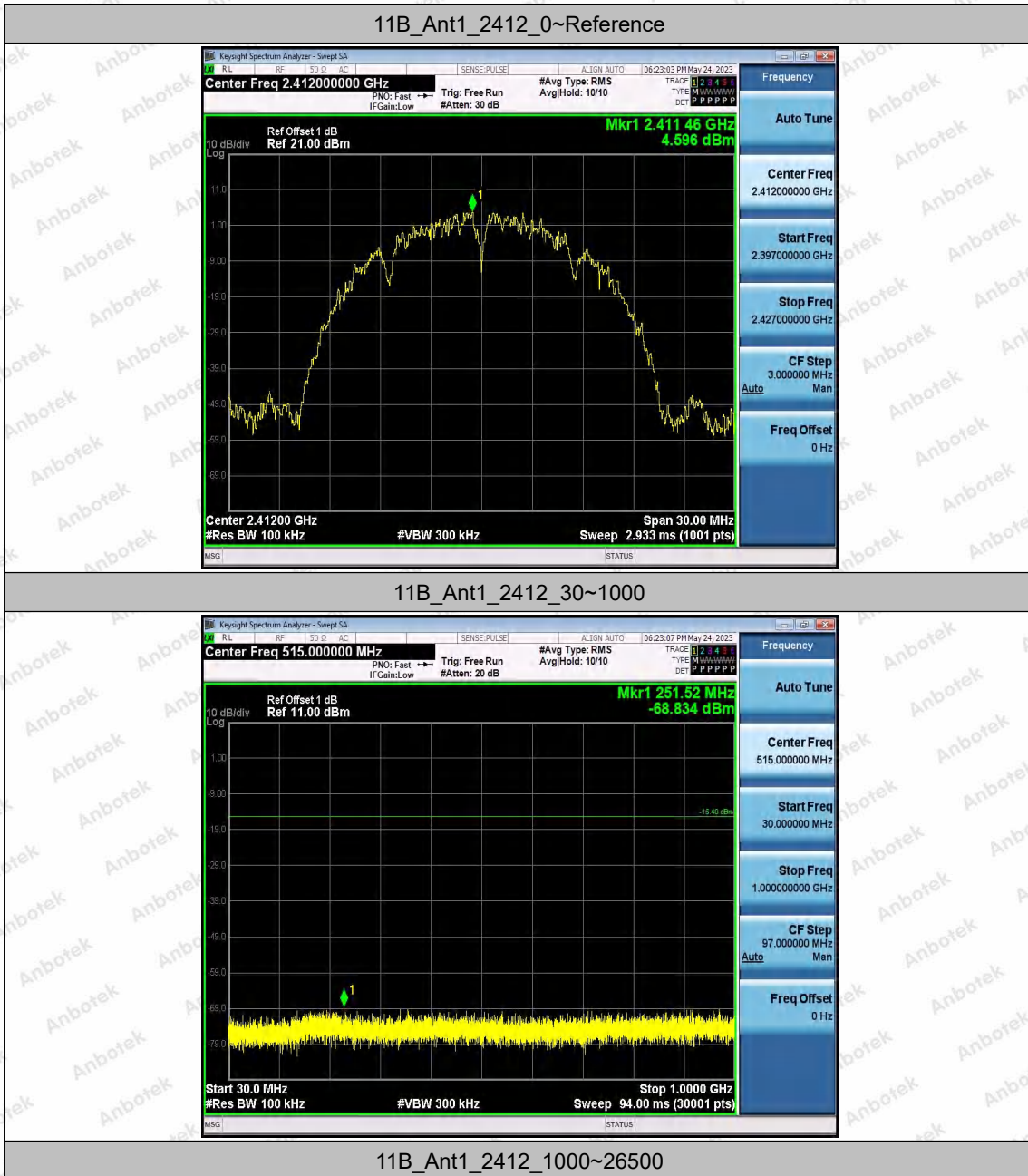
## Appendix F: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.60	4.60	---	PASS
			30~1000	4.60	-68.83	≤-15.4	PASS
			1000~26500	4.60	-45.69	≤-15.4	PASS
		2437	Reference	5.42	5.42	---	PASS
			30~1000	5.42	-69.08	≤-14.58	PASS
			1000~26500	5.42	-45.56	≤-14.58	PASS
		2462	Reference	6.11	6.11	---	PASS
			30~1000	6.11	-68.31	≤-13.89	PASS
			1000~26500	6.11	-46.54	≤-13.89	PASS
11G	Ant1	2412	Reference	-2.74	-2.74	---	PASS
			30~1000	-2.74	-68.93	≤-22.74	PASS
			1000~26500	-2.74	-53.38	≤-22.74	PASS
		2437	Reference	-0.80	-0.80	---	PASS
			30~1000	-0.80	-68.22	≤-20.8	PASS
			1000~26500	-0.80	-53.19	≤-20.8	PASS
		2462	Reference	-2.37	-2.37	---	PASS
			30~1000	-2.37	-68.86	≤-22.37	PASS
			1000~26500	-2.37	-53.49	≤-22.37	PASS
11N20SISO	Ant1	2412	Reference	-1.36	-1.36	---	PASS
			30~1000	-1.36	-68.23	≤-21.36	PASS
			1000~26500	-1.36	-51.88	≤-21.36	PASS
		2437	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-68.26	≤-21.31	PASS
			1000~26500	-1.31	-53.46	≤-21.31	PASS
		2462	Reference	-0.46	-0.46	---	PASS
			30~1000	-0.46	-68.97	≤-20.46	PASS
			1000~26500	-0.46	-53.39	≤-20.46	PASS



## Test Graphs

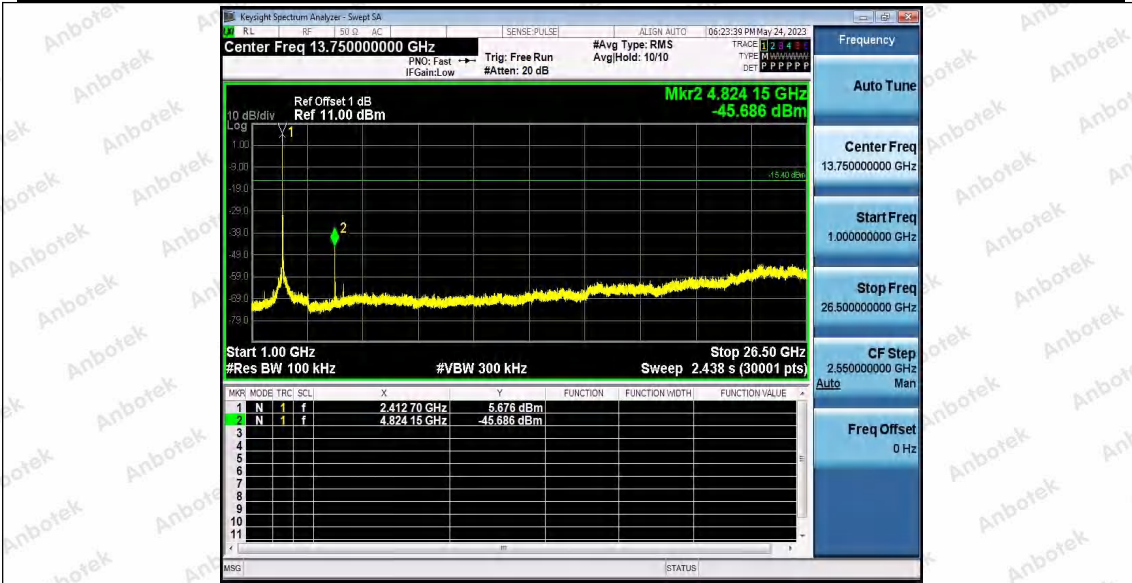


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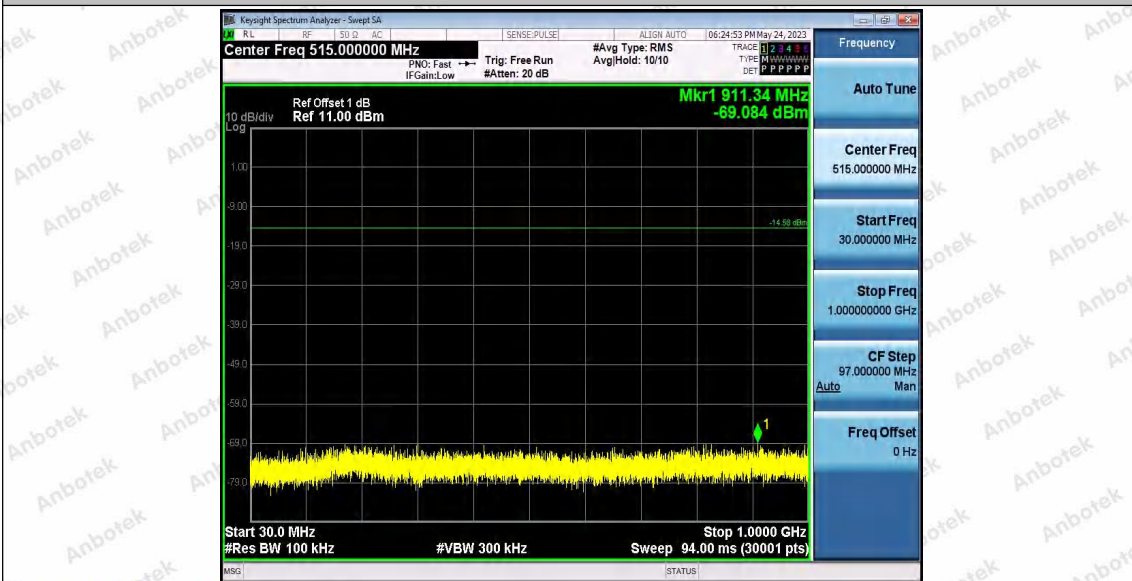




11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



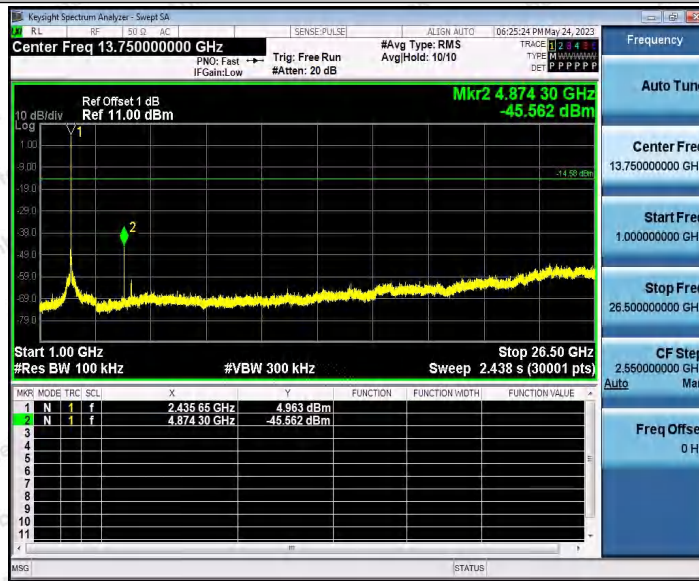
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### 11B\_Ant1\_2437\_1000~26500



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



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

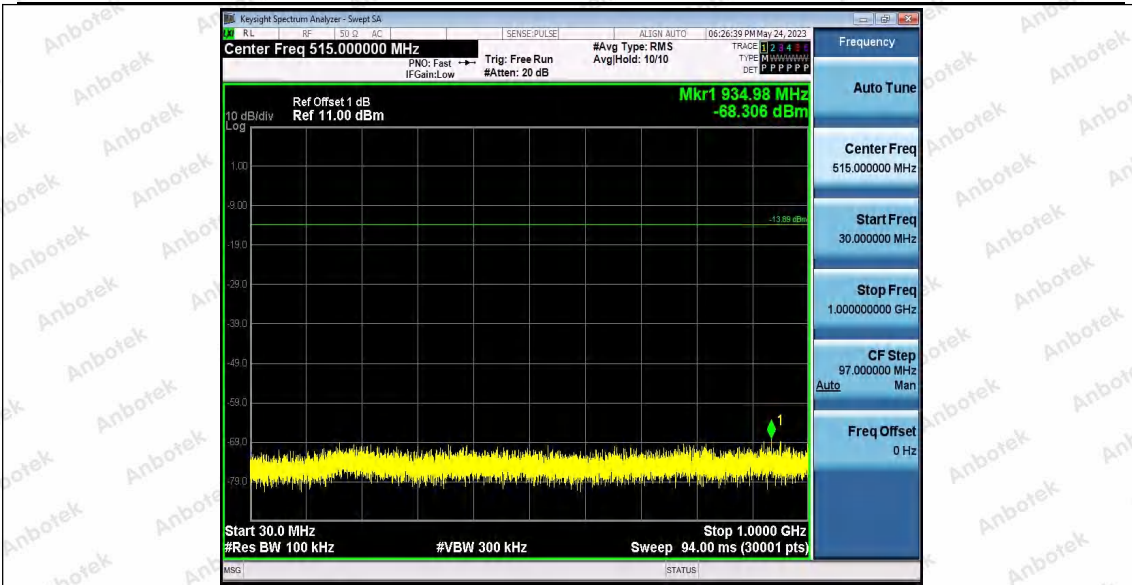
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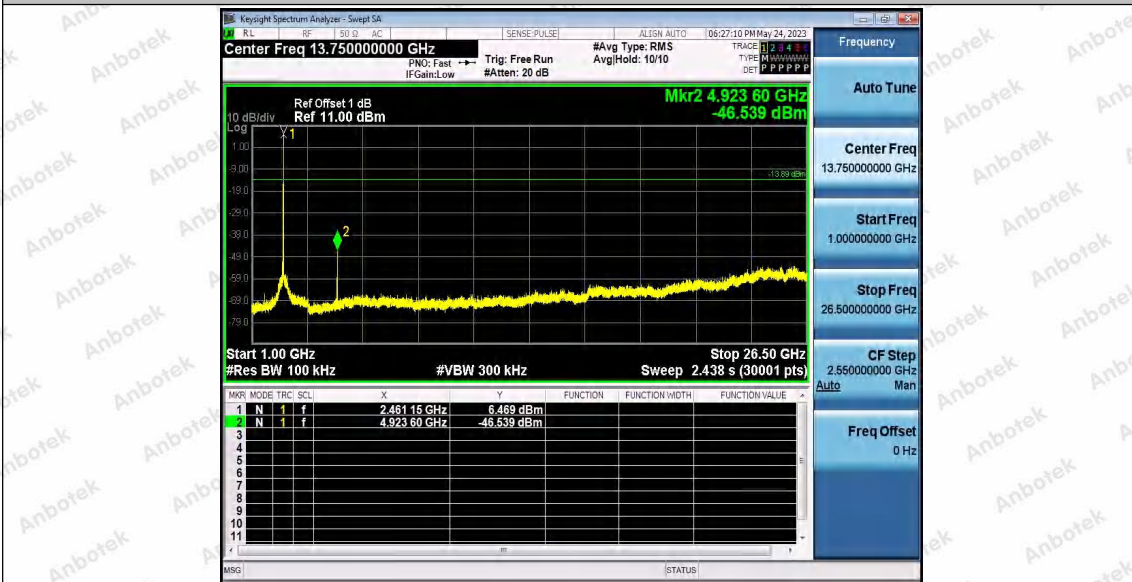
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11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference



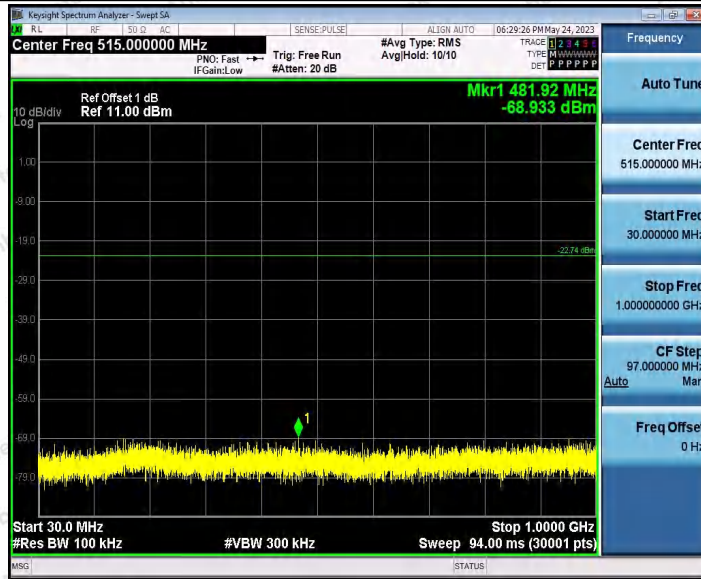
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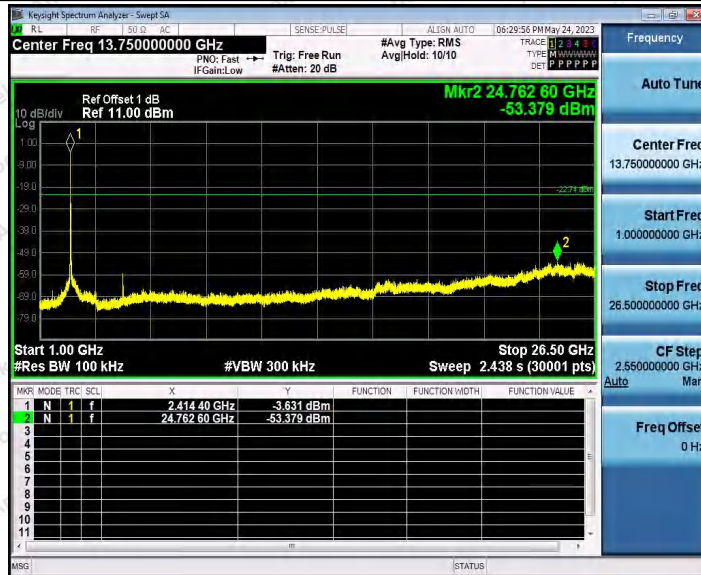
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### 11G\_Ant1\_2412\_30~1000



### 11G\_Ant1\_2412\_1000~26500



### 11G\_Ant1\_2437\_0~Reference

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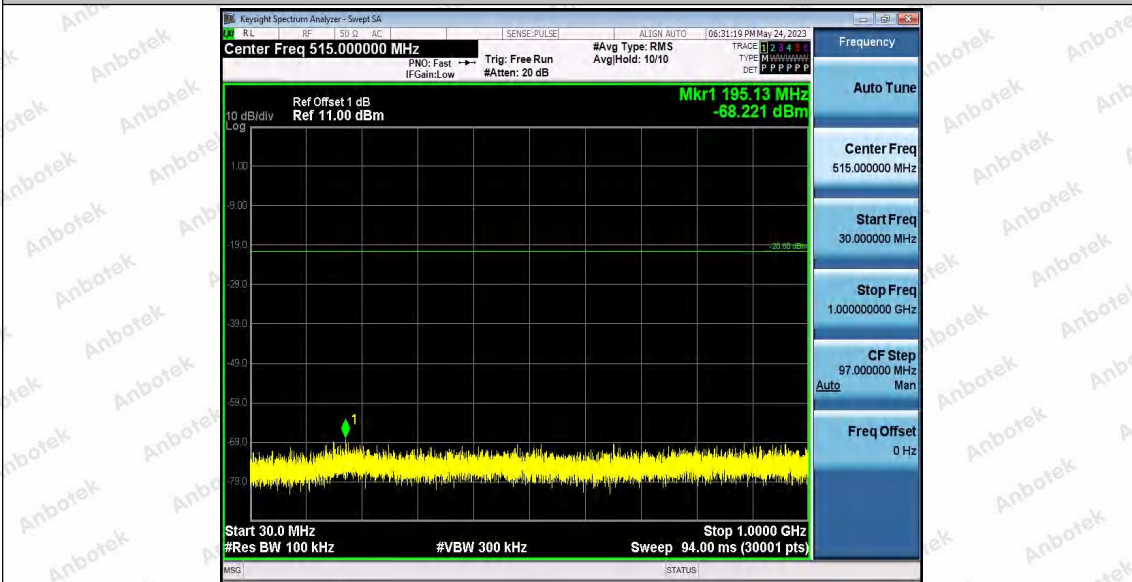
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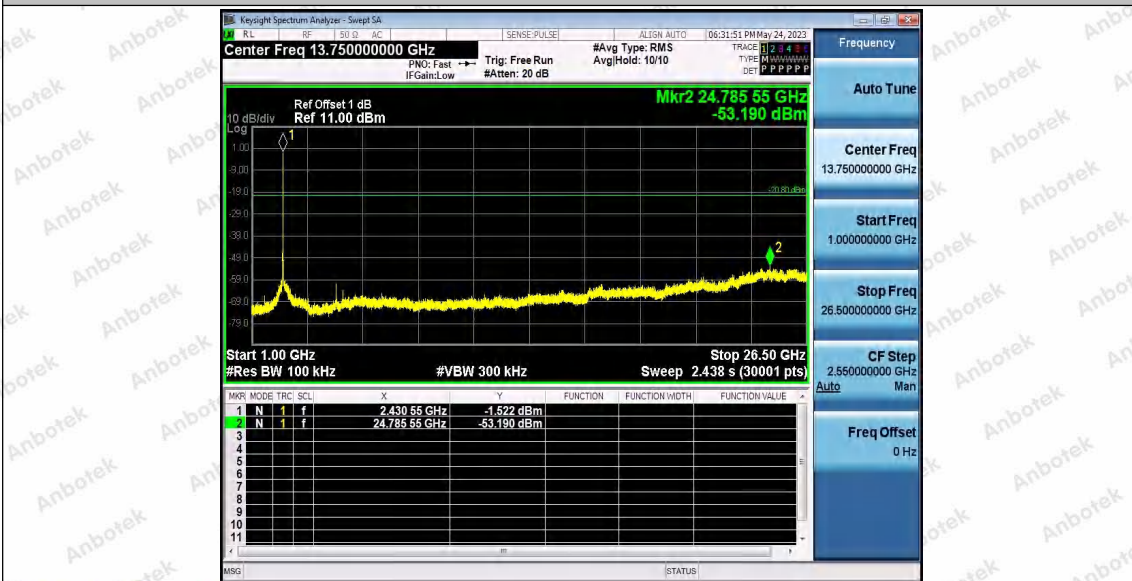




11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500



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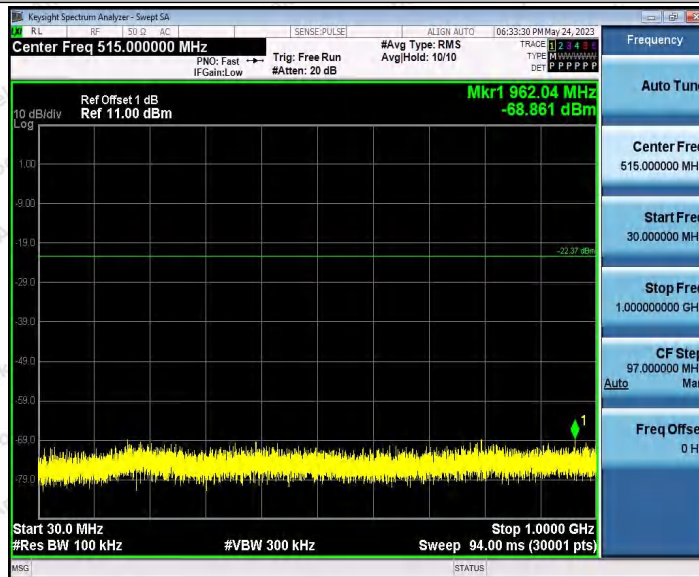
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### 11G\_Ant1\_2462\_0~Reference



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



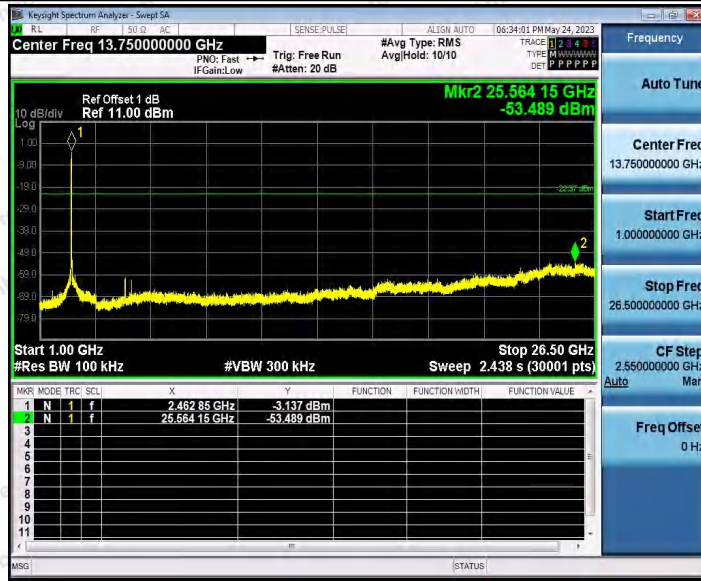
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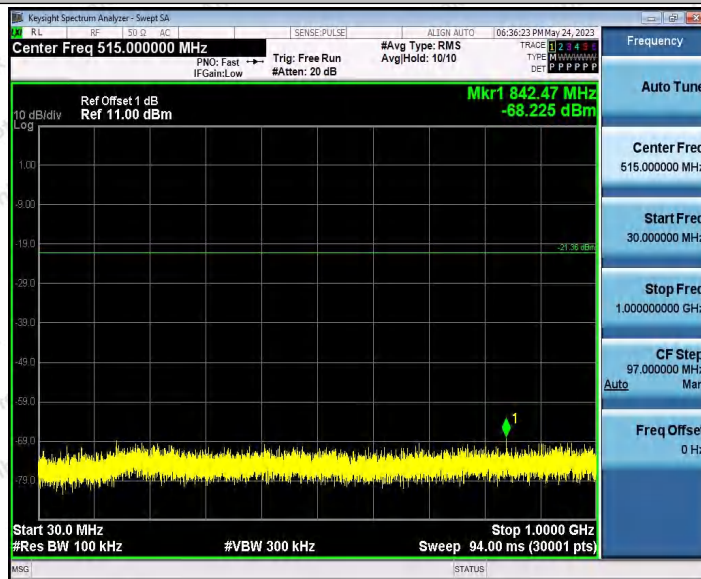




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11N20SISO\_Ant1\_2412\_30~1000



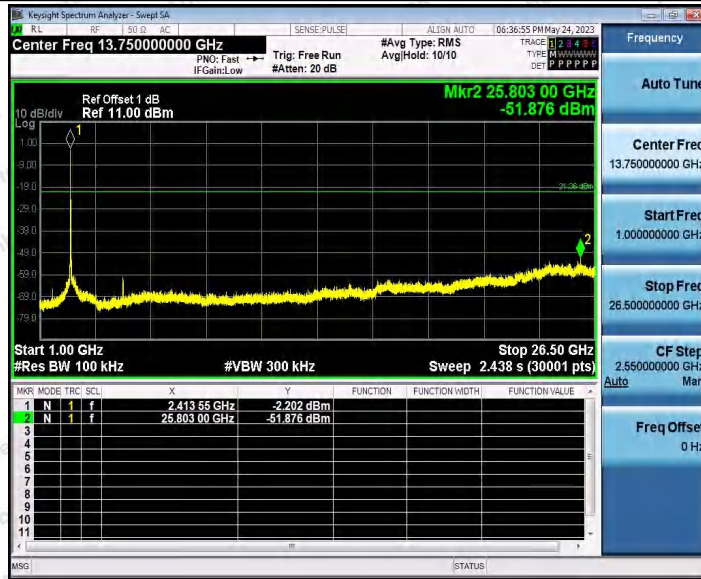
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11N20SISO\_Ant1\_2412\_1000~26500



11N20SISO\_Ant1\_2437\_0~Reference



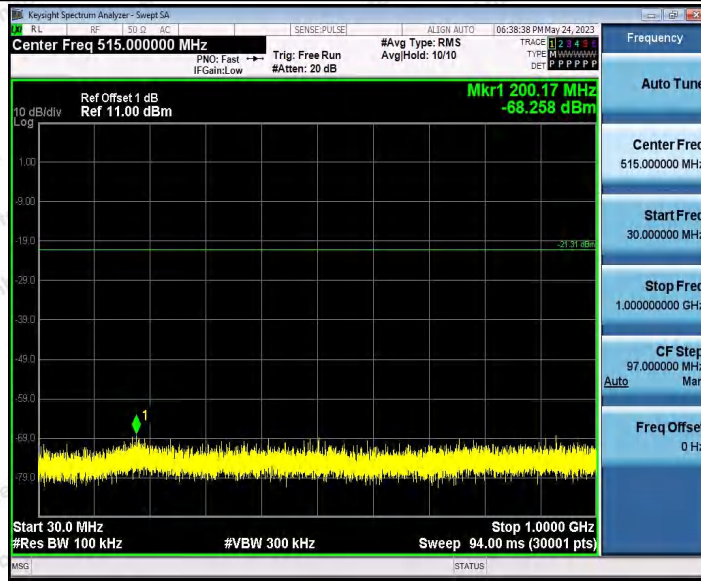
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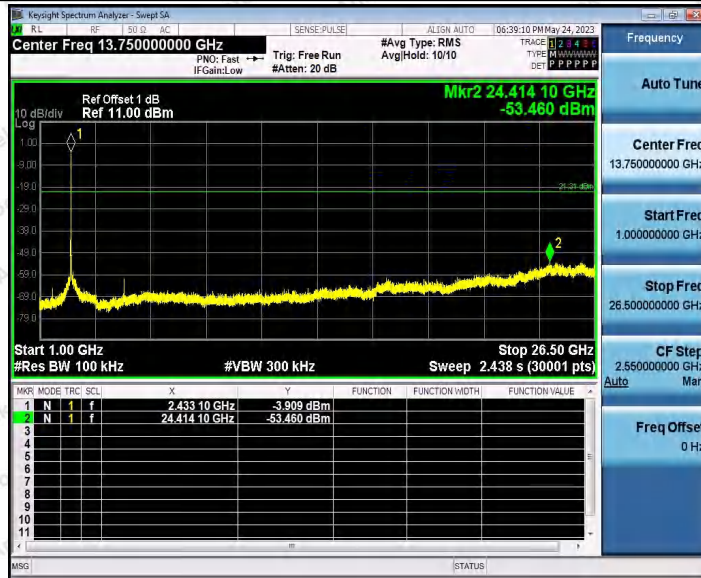
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11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference

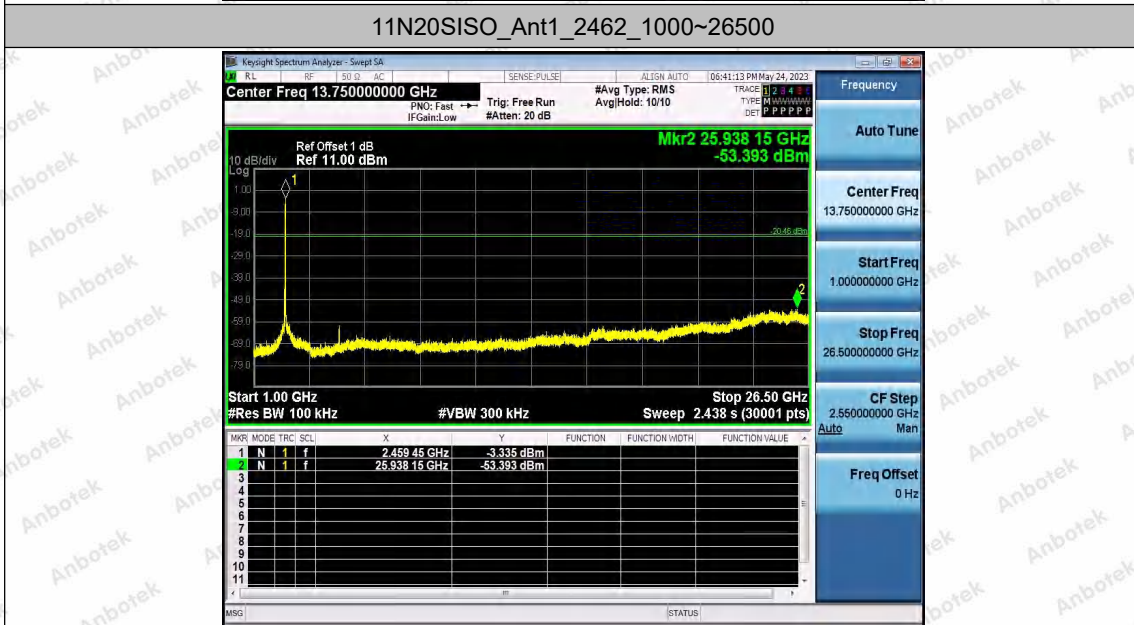
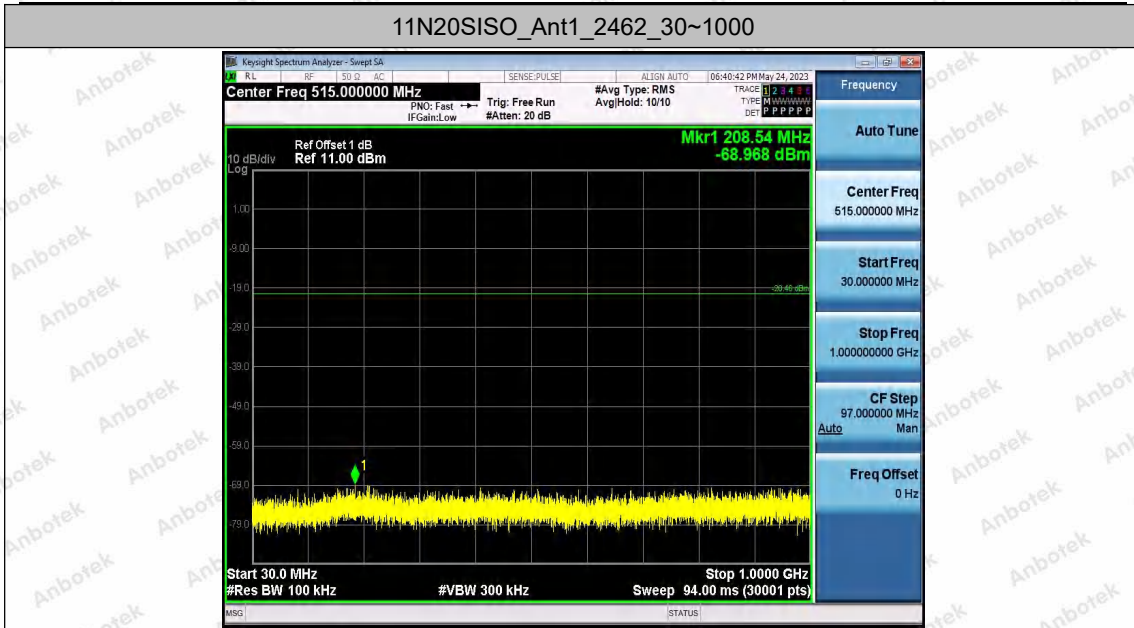


## Shenzhen Anbotek Compliance Laboratory Limited

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

Hotline 400-003-0500  
www.anbotek.com.cn





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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	12.41	12.54	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	2.07	2.20	94.09	0.26
11N20SISO	Ant1	2412	1.92	2.05	93.66	0.28
		2437	1.91	2.04	93.63	0.29
		2462	1.92	2.05	93.66	0.28

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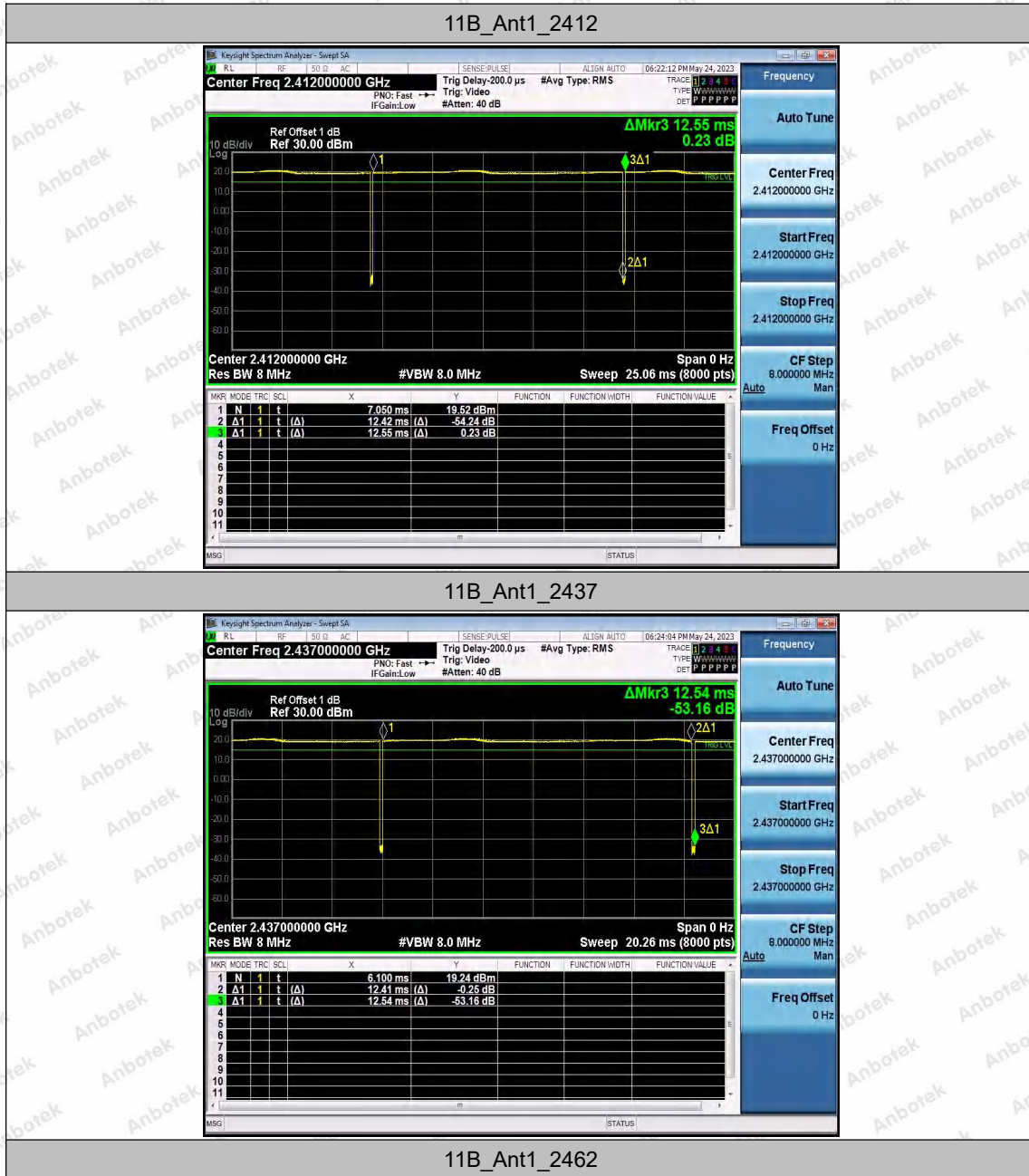
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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## Test Graphs



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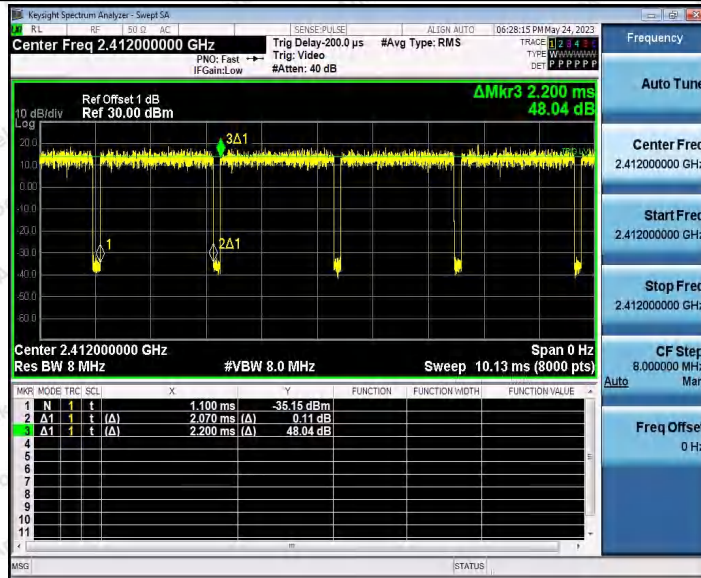
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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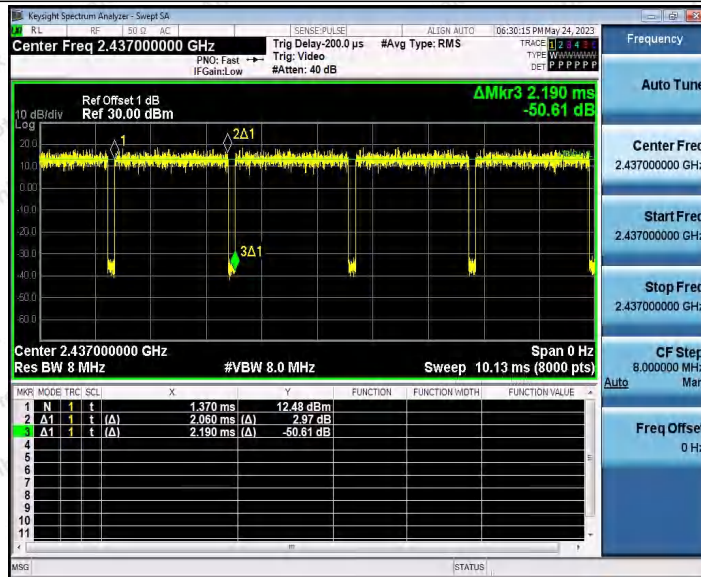




11G\_Ant1\_2412



11G\_Ant1\_2437

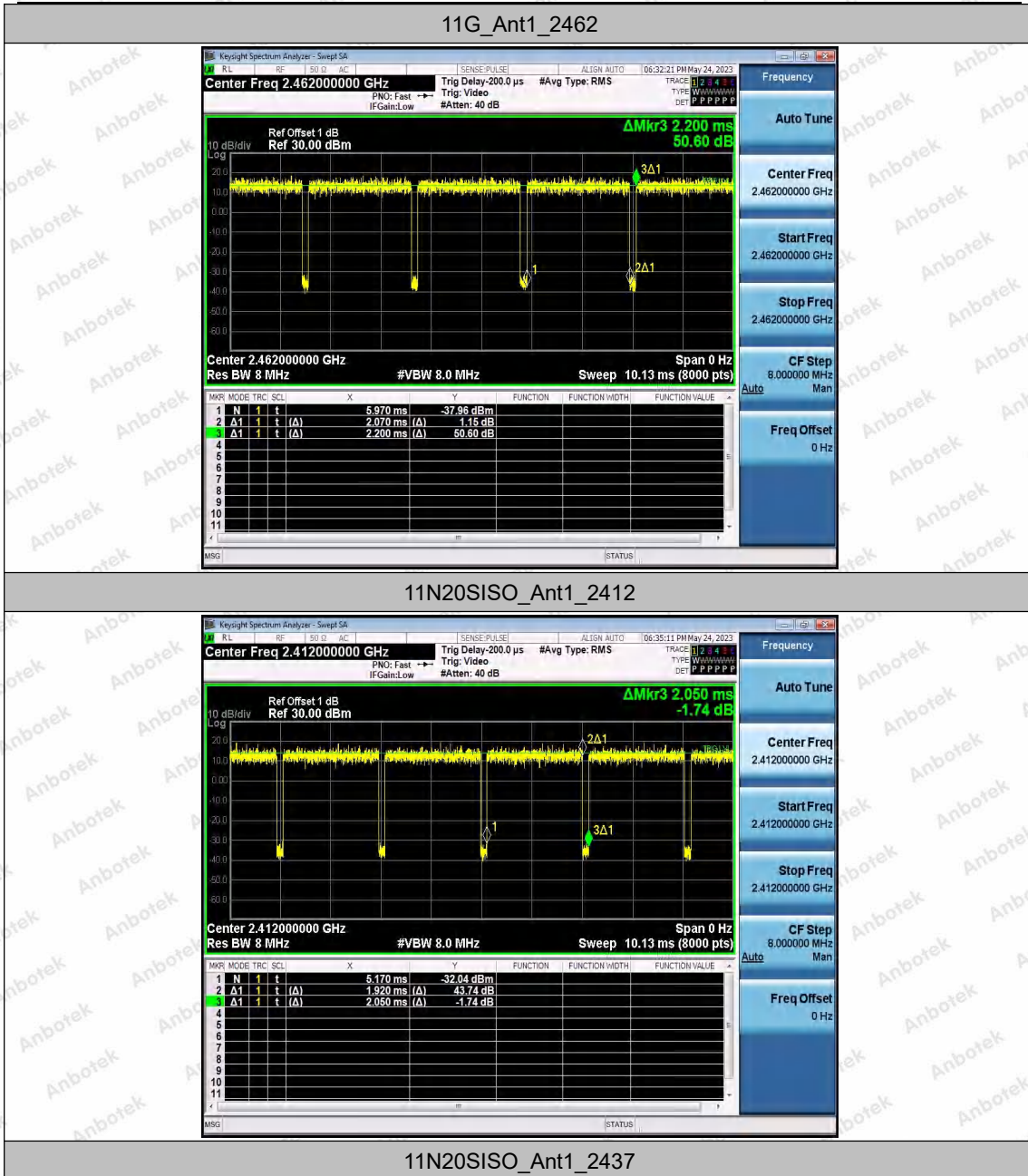


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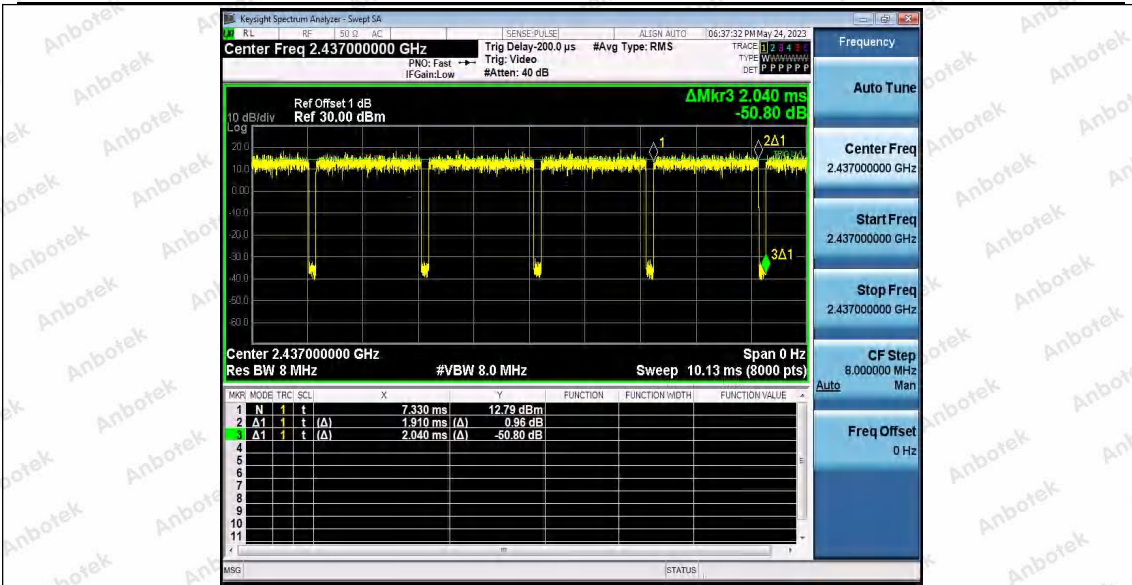


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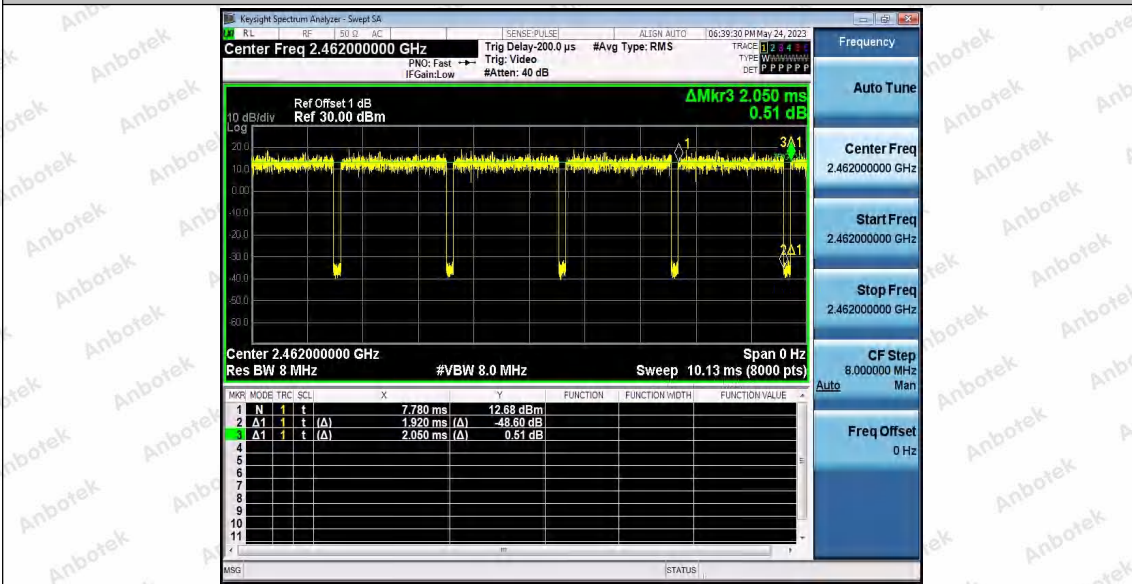
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2462



---End---

