

## Appendix Test Data

Report No.:	18220WC30246002	Test Sample No.:	1-2-2
Start Test Date:	2023.11.27	Finish Test Date:	2023.12.02
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.2°C	Relative Humidity:	43%
Pressure:	101kPa		

## Appendix A: DTS Bandwidth

## Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.080	2408.440	2415.520	0.5	PASS
		2437	7.120	2433.400	2440.520	0.5	PASS
		2462	6.560	2458.920	2465.480	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	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.480	2420.760	0.5	PASS
		2437	17.360	2428.400	2445.760	0.5	PASS
		2462	17.320	2453.440	2470.760	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	35.760	2434.400	2470.160	0.5	PASS

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## Test Graphs





11G\_Ant1\_2412



11G\_Ant1\_2437

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11G\_Ant1\_2462



11N20SISO\_Ant1\_2412

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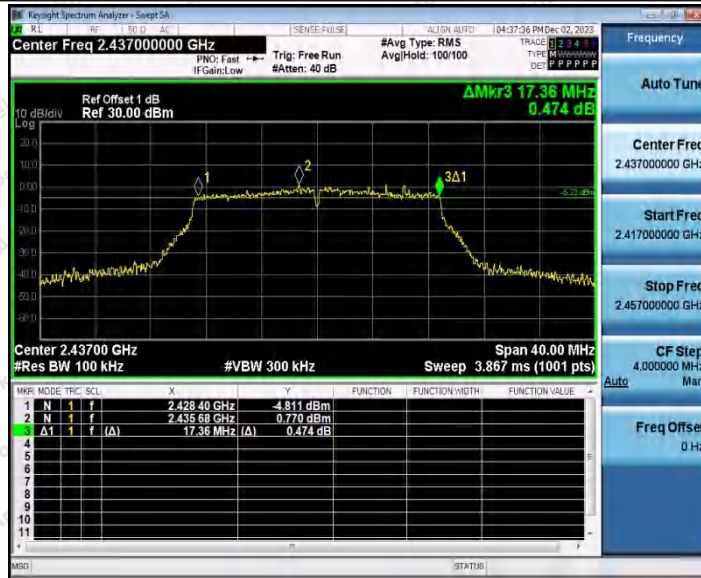
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11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

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11N40SISO\_Ant1\_2422



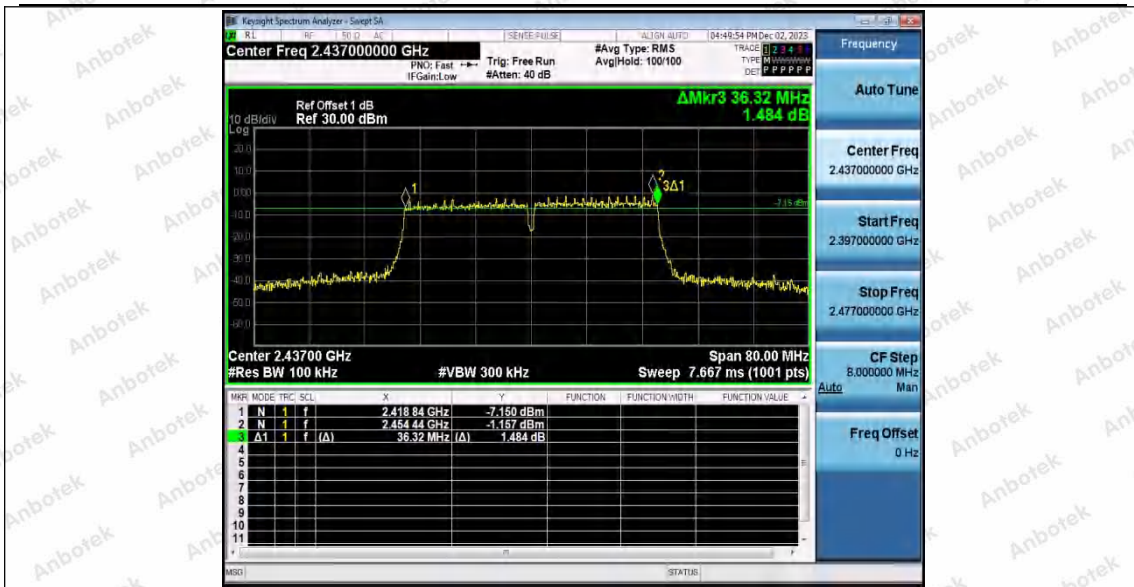
11N40SISO\_Ant1\_2437

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11N40SISO\_Ant1\_2452



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## Appendix B: Occupied Channel Bandwidth

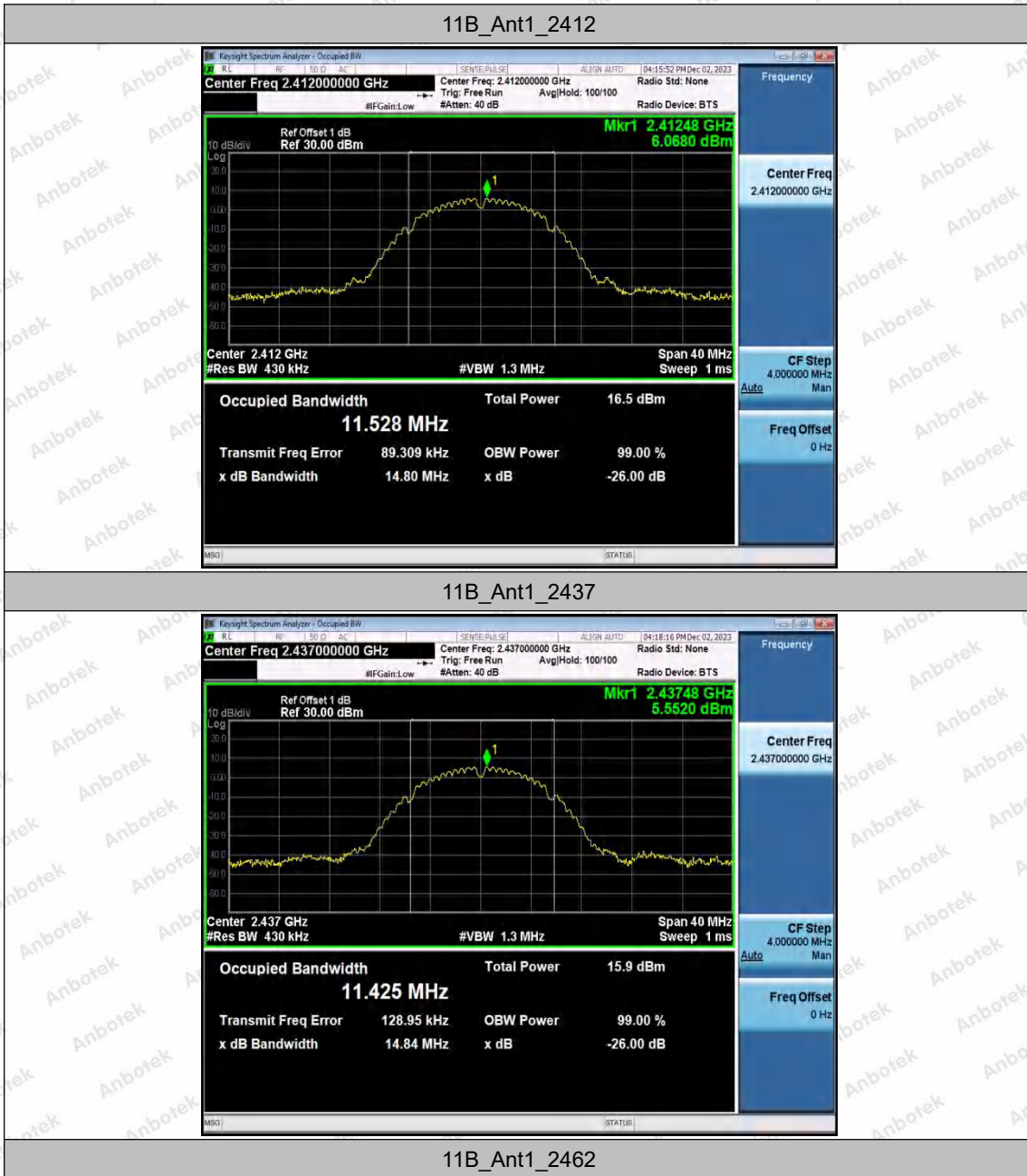
### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.528	2406.3253	2417.8533	---	---
		2437	11.425	2431.4165	2442.8415	---	---
		2462	11.631	2456.2960	2467.9270	---	---
11G	Ant1	2412	17.187	2403.4490	2420.6360	---	---
		2437	17.111	2428.5350	2445.6460	---	---
		2462	17.137	2453.5565	2470.6935	---	---
11N20SISO	Ant1	2412	18.207	2402.9545	2421.1615	---	---
		2437	18.245	2427.9132	2446.1582	---	---
		2462	18.156	2453.0345	2471.1905	---	---
11N40SISO	Ant1	2422	36.408	2403.9493	2440.3573	---	---
		2437	36.475	2418.8821	2455.3571	---	---
		2452	36.533	2433.9058	2470.4388	---	---





## Test Graphs



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11G\_Ant1\_2412



11G\_Ant1\_2437

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11G\_Ant1\_2462



11N20SISO\_Ant1\_2412

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11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

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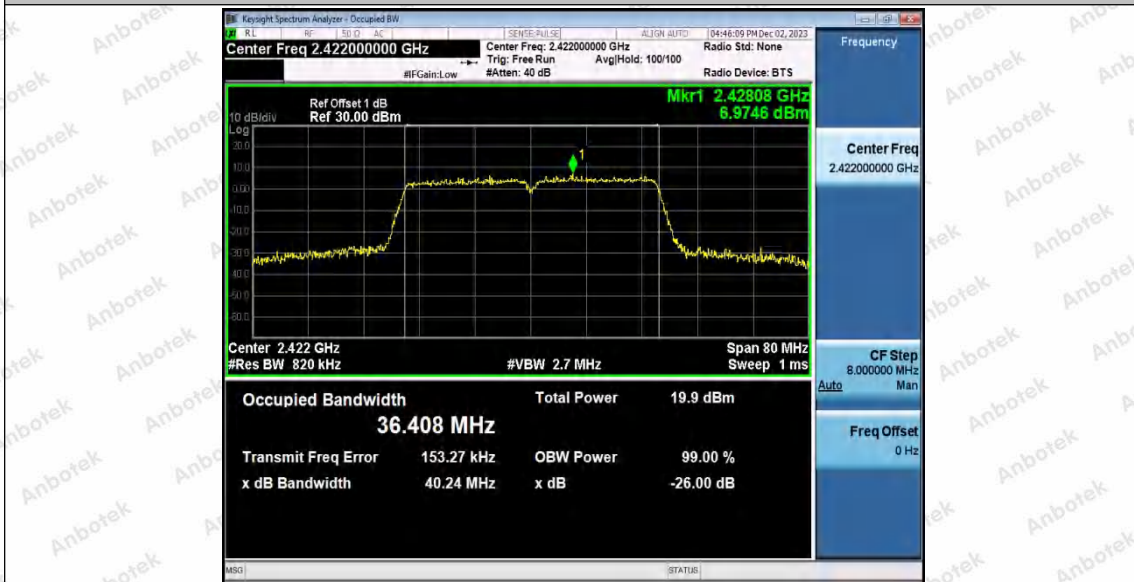
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11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437

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11N40SISO\_Ant1\_2452



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## Appendix C: Maximum conducted output power

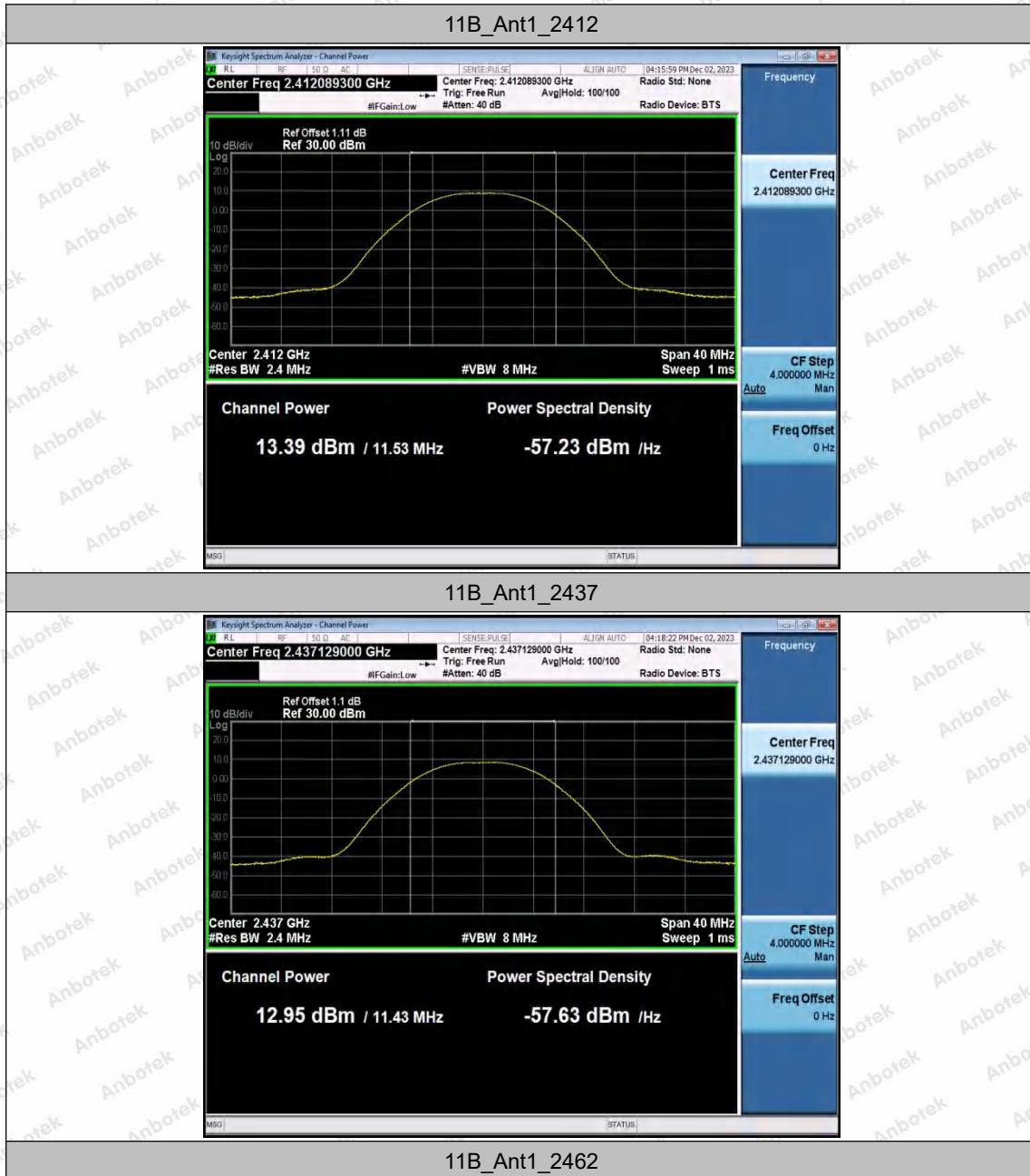
### Test Result

TestMode	Antenna	Frequency[MHz]	Average Output Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	13.39	≤30.00
		2437	12.95	≤30.00
		2462	13.10	≤30.00
11G	Ant1	2412	12.78	≤30.00
		2437	12.72	≤30.00
		2462	13.04	≤30.00
11N20SISO	Ant1	2412	<b>13.66</b>	≤30.00
		2437	12.96	≤30.00
		2462	12.98	≤30.00
11N40SISO	Ant1	2422	13.20	≤30.00
		2437	13.44	≤30.00
		2452	13.19	≤30.00

Note: The Duty Cycle Factor( $10 \cdot \log(1/D)$ ) and cable loss are compensated in the graph.



## Test Graphs



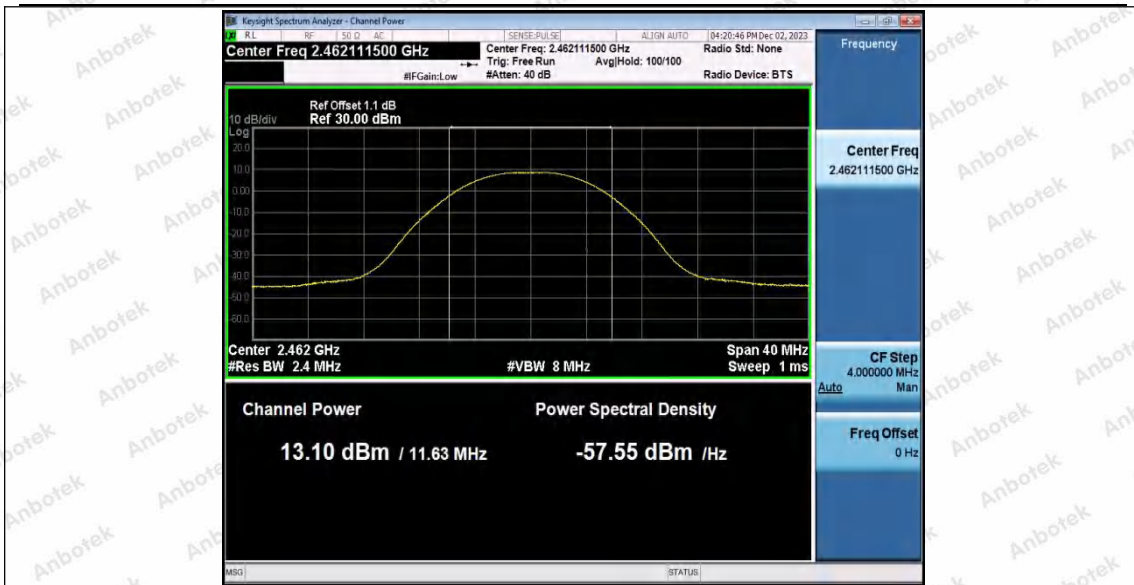
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11G\_Ant1\_2412



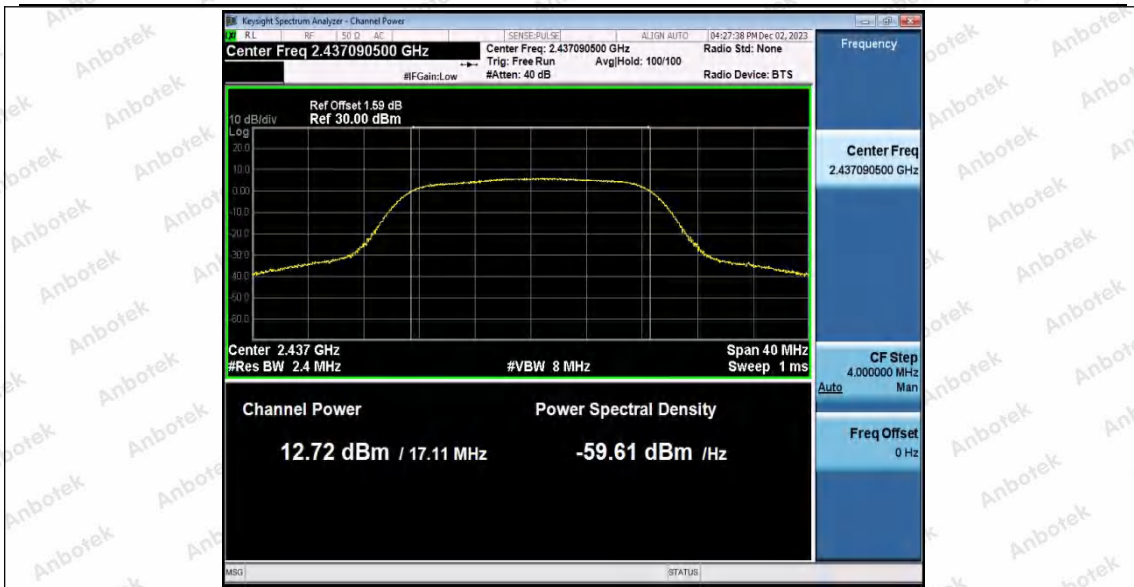
11G\_Ant1\_2437

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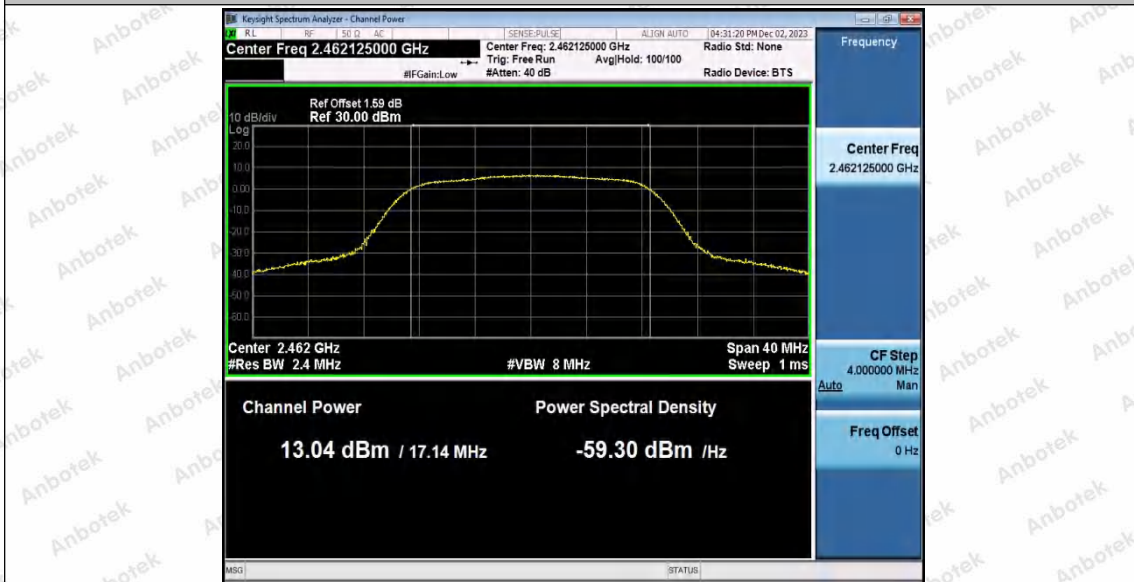
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462



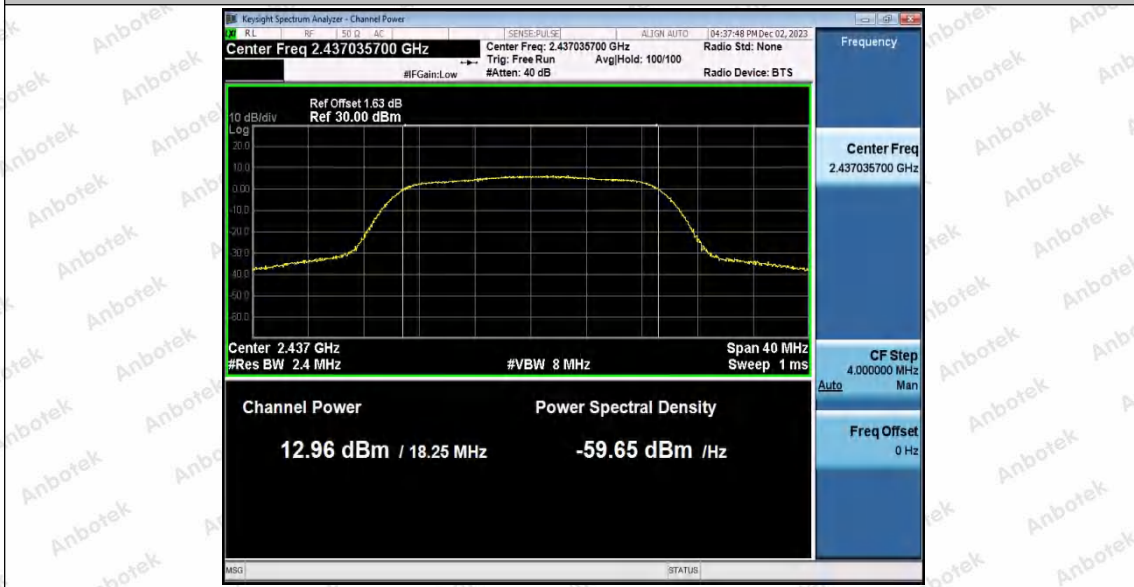
11N20SISO\_Ant1\_2412

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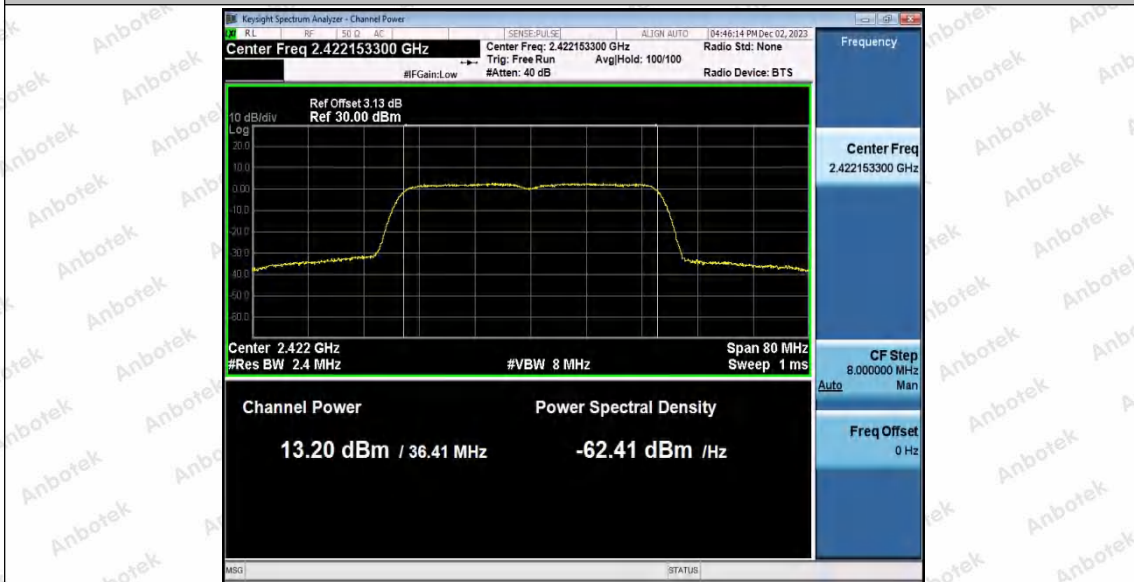
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2422



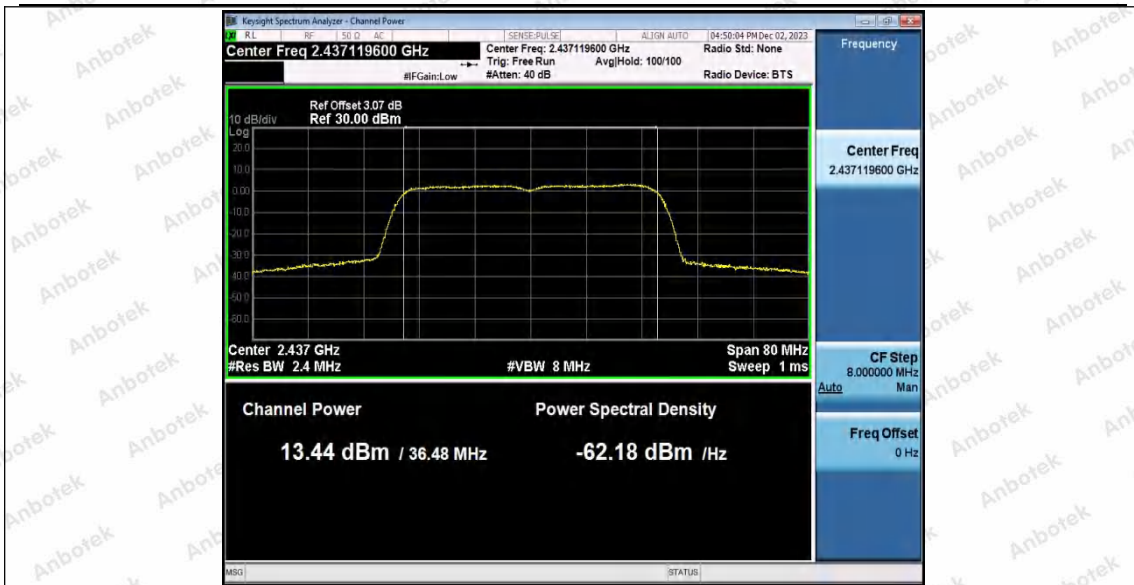
11N40SISO\_Ant1\_2437

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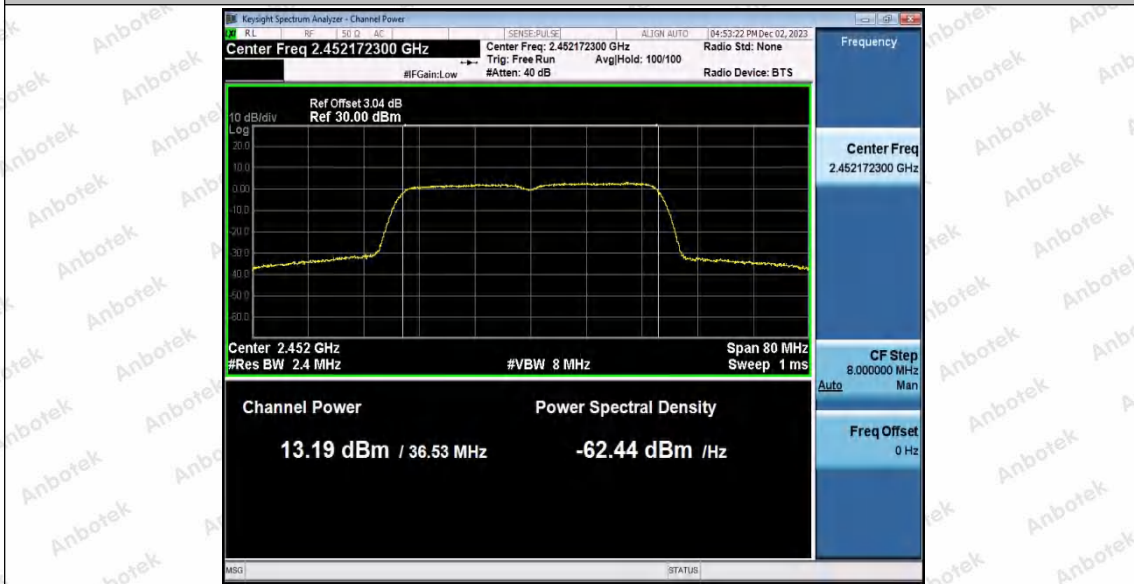
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2452



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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	-15.1	≤8.00	PASS
		2437	-15.77	≤8.00	PASS
		2462	-15.22	≤8.00	PASS
11G	Ant1	2412	-17.61	≤8.00	PASS
		2437	-16.9	≤8.00	PASS
		2462	-17.41	≤8.00	PASS
11N20SISO	Ant1	2412	-16.87	≤8.00	PASS
		2437	-17.99	≤8.00	PASS
		2462	-17.68	≤8.00	PASS
11N40SISO	Ant1	2422	-19.68	≤8.00	PASS
		2437	-20.18	≤8.00	PASS
		2452	-20.2	≤8.00	PASS



## Test Graphs



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11G\_Ant1\_2412



11G\_Ant1\_2437

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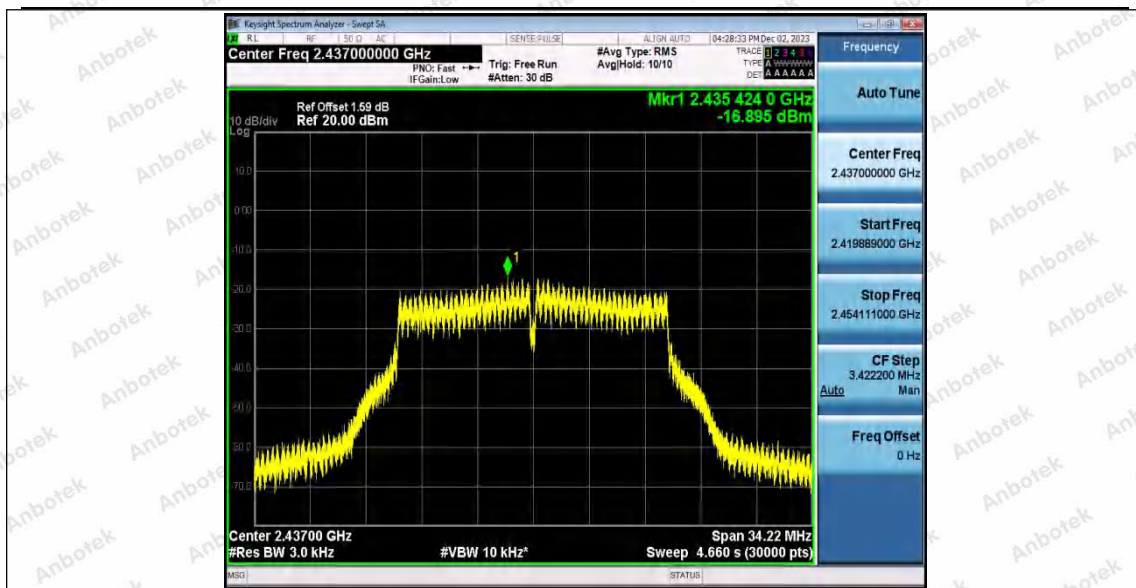
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



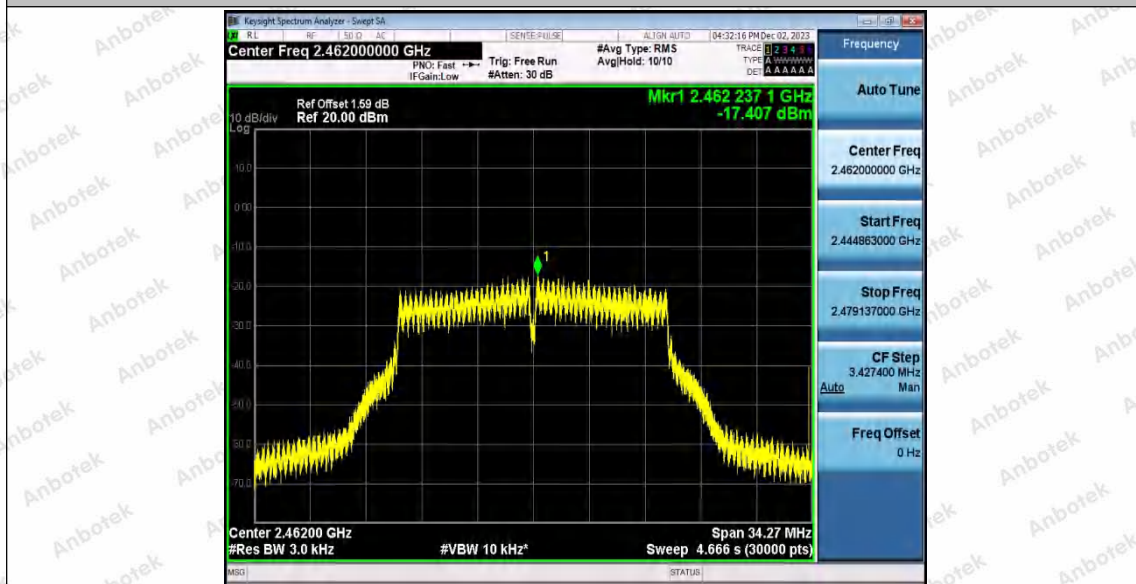
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11G\_Ant1\_2462



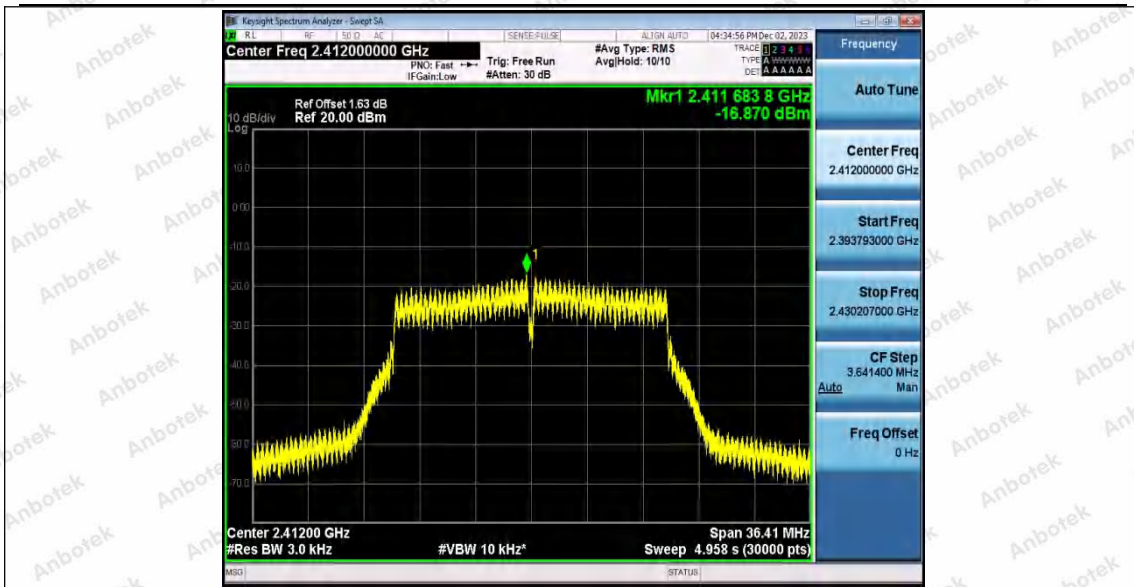
11N20SISO\_Ant1\_2412

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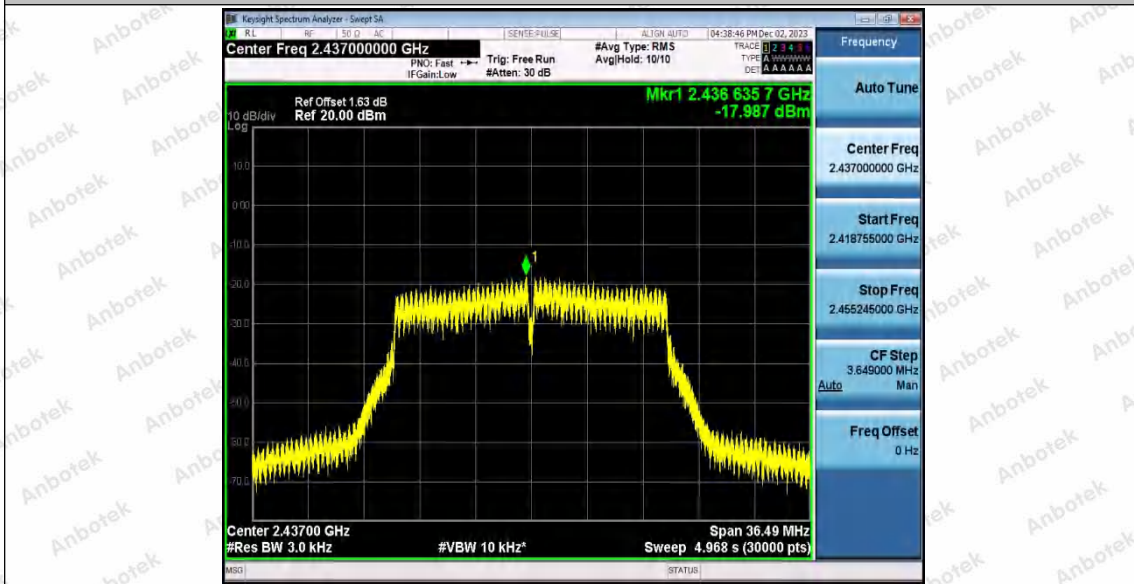
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2437



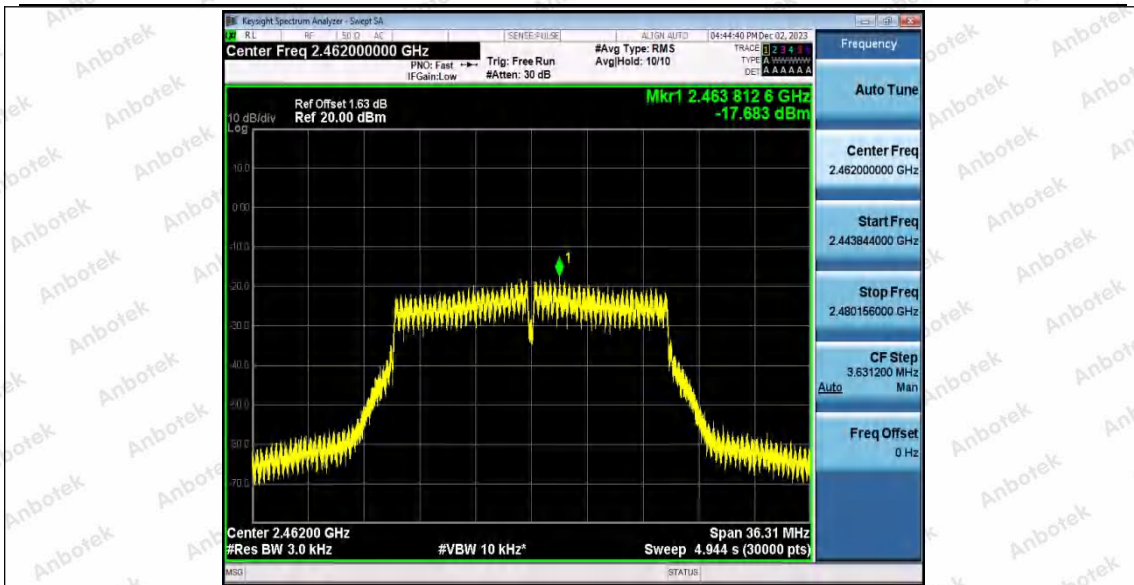
11N20SISO\_Ant1\_2462

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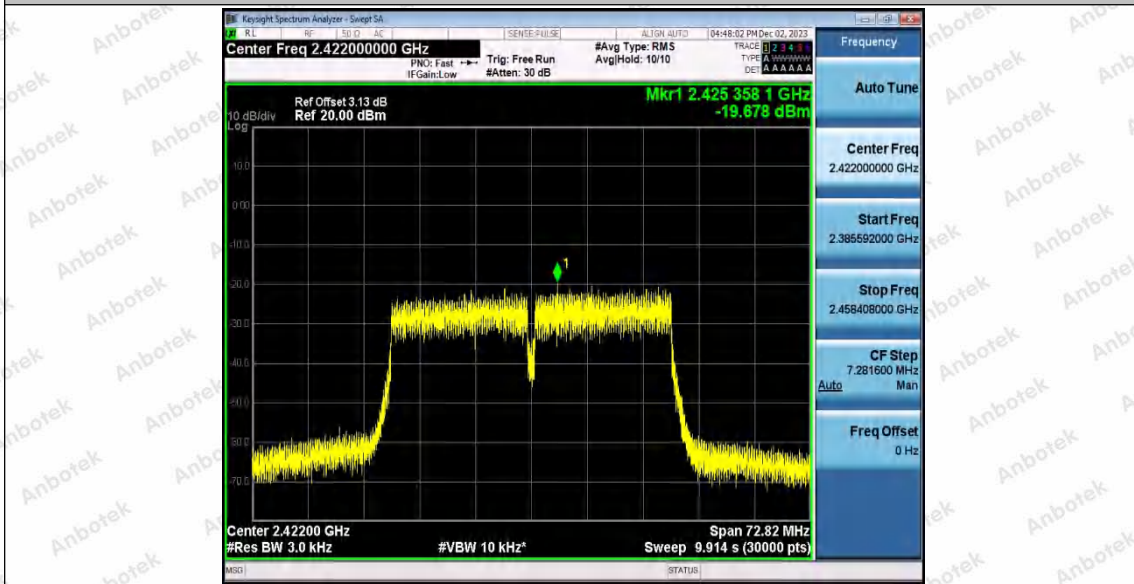
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2422



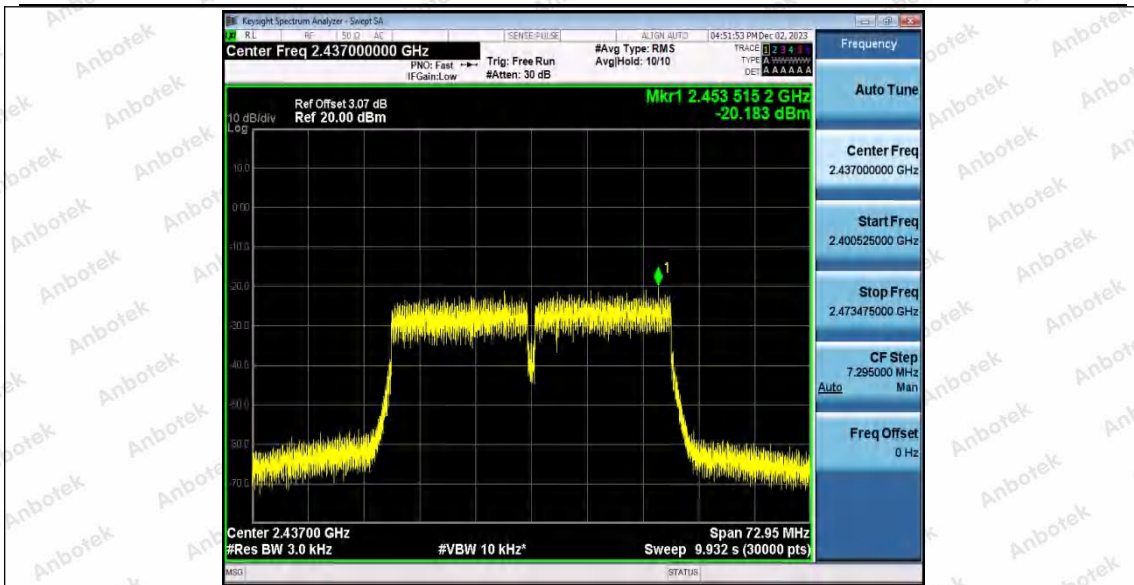
11N40SISO\_Ant1\_2437

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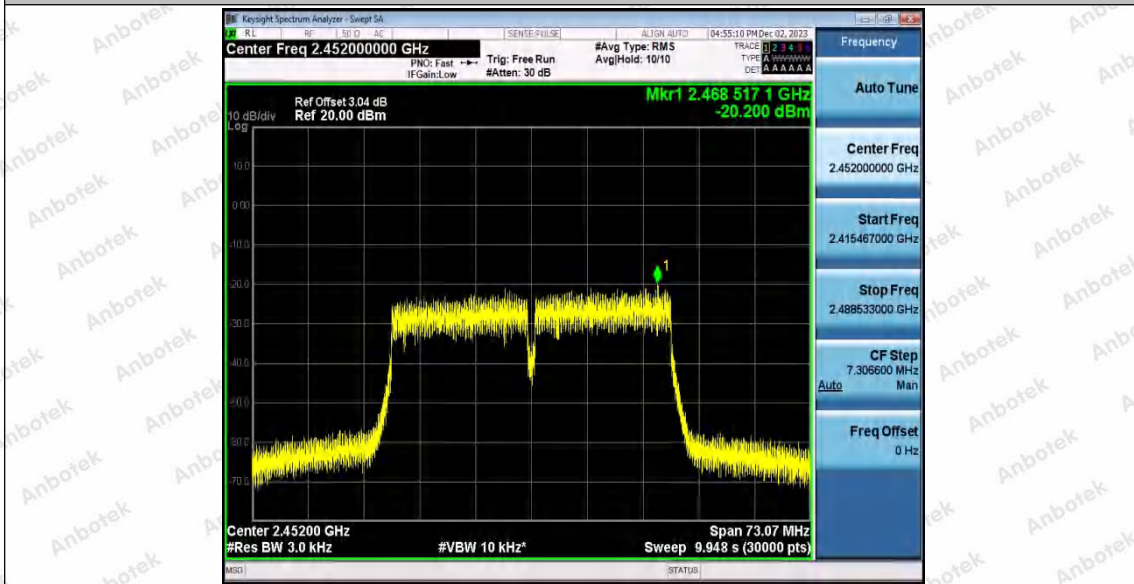
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11N40SISO\_Ant1\_2452



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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	5.18	-46.56	≤-24.82	PASS
		High	2462	5.28	-49.93	≤-24.72	PASS
11G	Ant1	Low	2412	0.71	-36.03	≤-29.29	PASS
		High	2462	1.25	-44.78	≤-28.76	PASS
11N20SISO	Ant1	Low	2412	1.74	-32.61	≤-28.26	PASS
		High	2462	1.41	-43.79	≤-28.59	PASS
11N40SISO	Ant1	Low	2422	-2.34	-35.53	≤-32.34	PASS
		High	2452	-1.04	-36.71	≤-31.04	PASS

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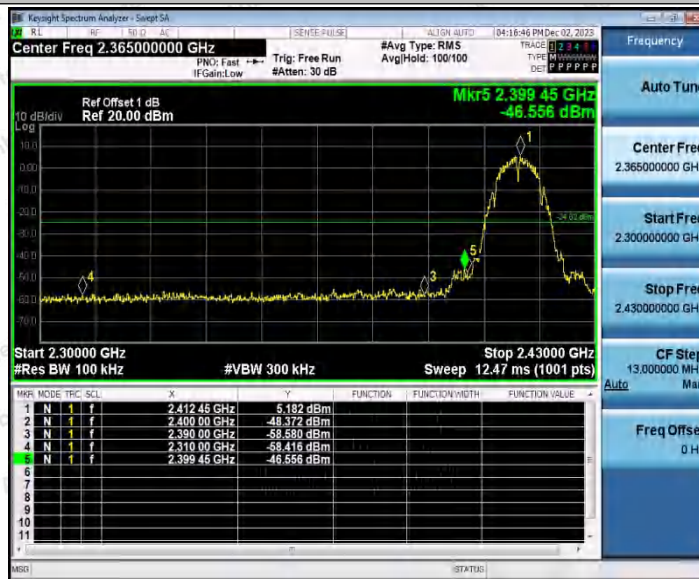


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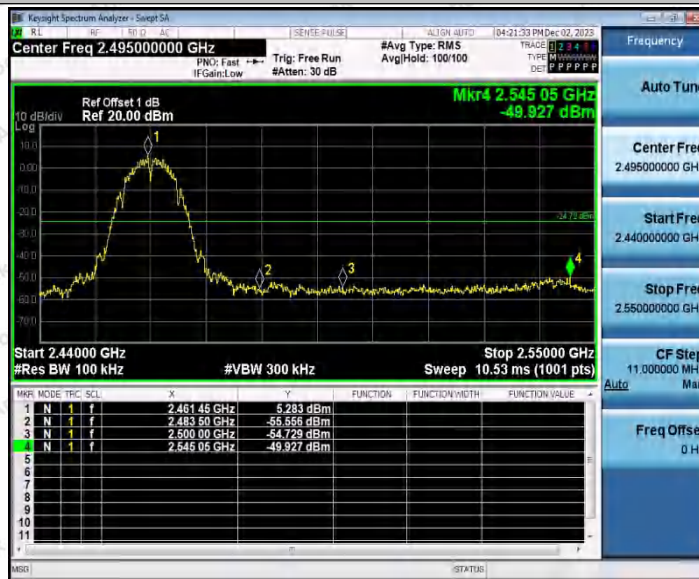


## Test Graphs

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412

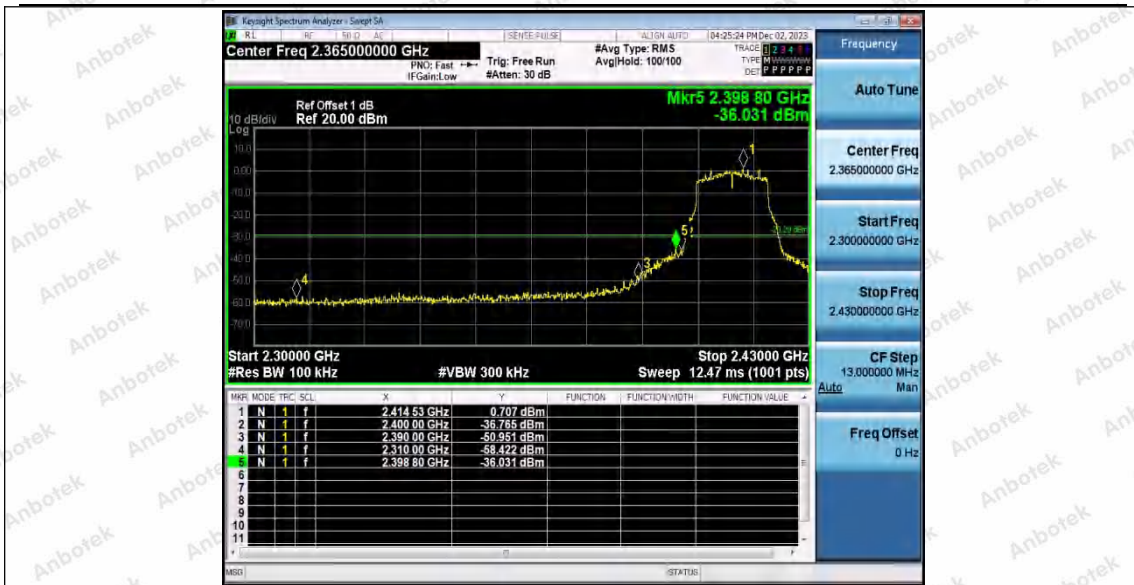
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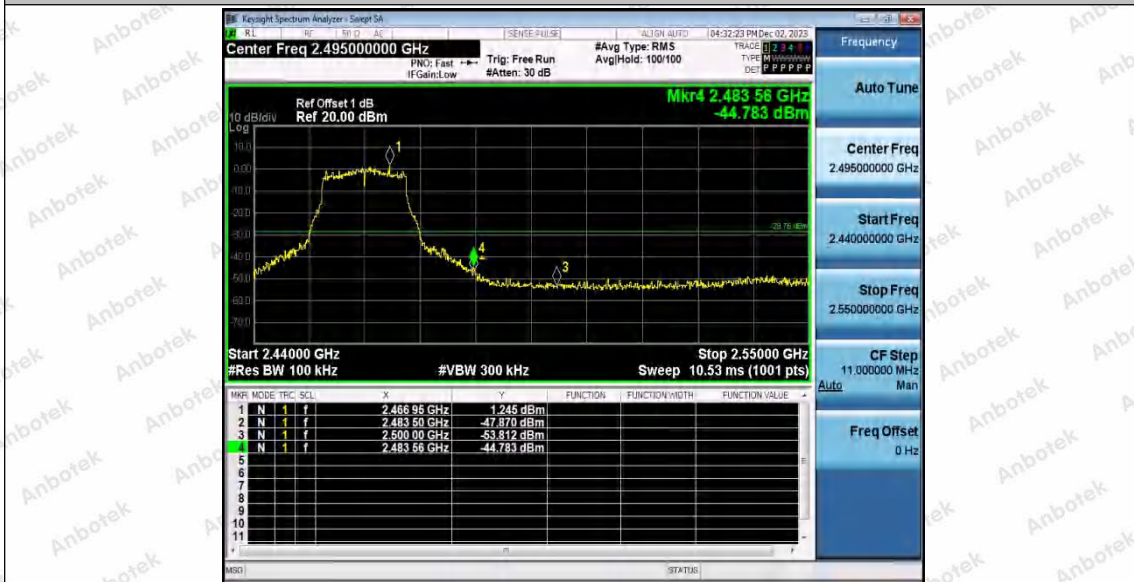


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11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412

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11N20SISO\_Ant1\_High\_2462



11N40SISO\_Ant1\_Low\_2422

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11N40SISO\_Ant1\_High\_2452



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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	3.45	3.45	---	PASS
			30~1000	3.45	-67.74	≤-26.55	PASS
			1000~26500	3.45	-51.11	≤-26.55	PASS
		2437	Reference	3.81	3.81	---	PASS
			30~1000	3.81	-68.66	≤-26.19	PASS
			1000~26500	3.81	-51.06	≤-26.19	PASS
		2462	Reference	3.32	3.32	---	PASS
			30~1000	3.32	-69.21	≤-26.68	PASS
			1000~26500	3.32	-51.73	≤-26.68	PASS
11G	Ant1	2412	Reference	-0.72	-0.72	---	PASS
			30~1000	-0.72	-68.99	≤-30.72	PASS
			1000~26500	-0.72	-49.5	≤-30.72	PASS
		2437	Reference	-0.73	-0.73	---	PASS
			30~1000	-0.73	-69.21	≤-30.73	PASS
			1000~26500	-0.73	-49.92	≤-30.73	PASS
		2462	Reference	0.17	0.17	---	PASS
			30~1000	0.17	-68.74	≤-29.83	PASS
			1000~26500	0.17	-51.02	≤-29.83	PASS
11N20SISO	Ant1	2412	Reference	-0.44	-0.44	---	PASS
			30~1000	-0.44	-68.06	≤-30.44	PASS
			1000~26500	-0.44	-50.7	≤-30.44	PASS
		2437	Reference	-0.23	-0.23	---	PASS
			30~1000	-0.23	-68.97	≤-30.23	PASS
			1000~26500	-0.23	-50.29	≤-30.23	PASS
		2462	Reference	1.63	1.63	---	PASS
			30~1000	1.63	-68.92	≤-28.37	PASS
			1000~26500	1.63	-51.28	≤-28.37	PASS
11N40SISO	Ant1	2422	Reference	-1.85	-1.85	---	PASS
			30~1000	-1.85	-69.05	≤-31.85	PASS
			1000~26500	-1.85	-53.55	≤-31.85	PASS
		2437	Reference	-2.46	-2.46	---	PASS
			30~1000	-2.46	-69.06	≤-32.46	PASS
			1000~26500	-2.46	-53.53	≤-32.46	PASS
		2452	Reference	-0.97	-0.97	---	PASS
			30~1000	-0.97	-67.52	≤-30.97	PASS
			1000~26500	-0.97	-52.78	≤-30.97	PASS

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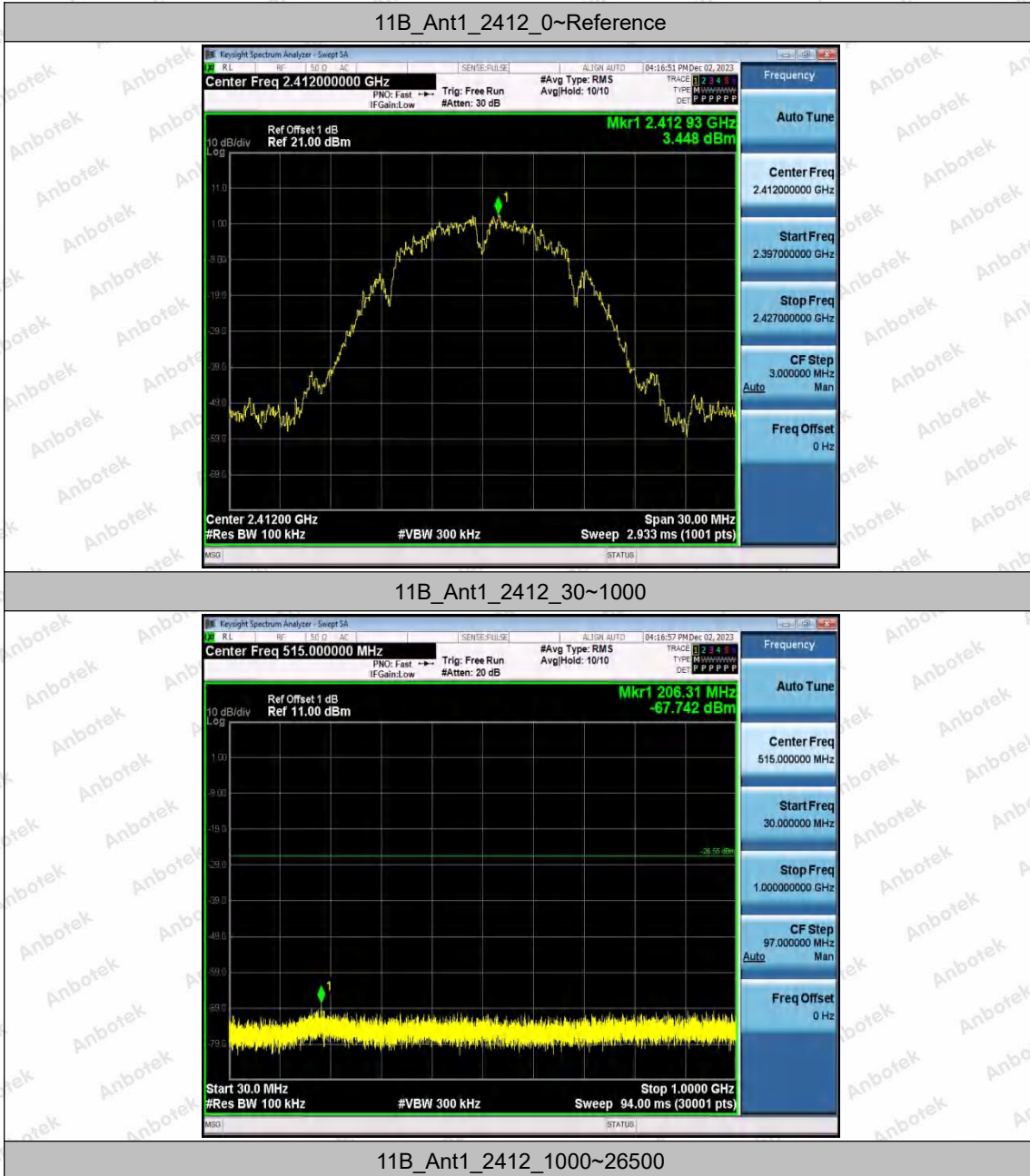
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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## Test Graphs



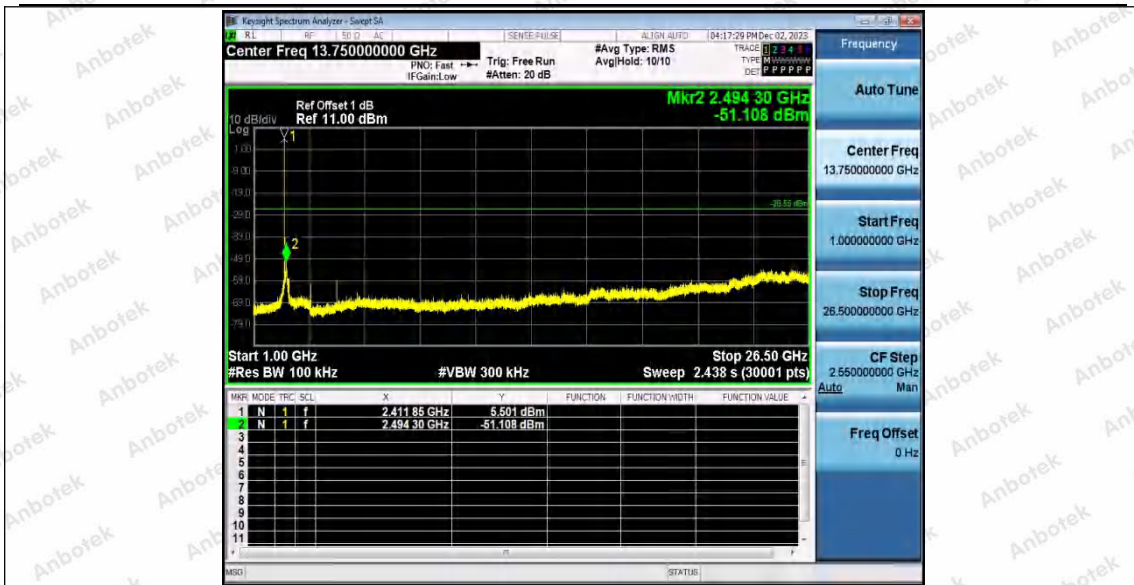
11B\_Ant1\_2412\_1000~26500

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11B\_Ant1\_2437\_0~Reference



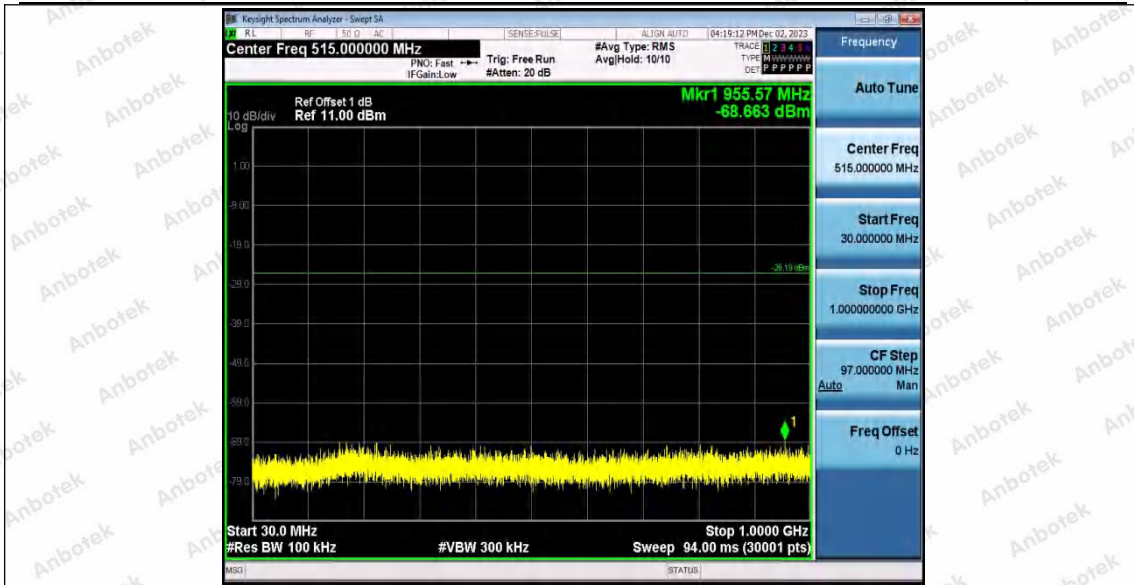
11B\_Ant1\_2437\_30~1000

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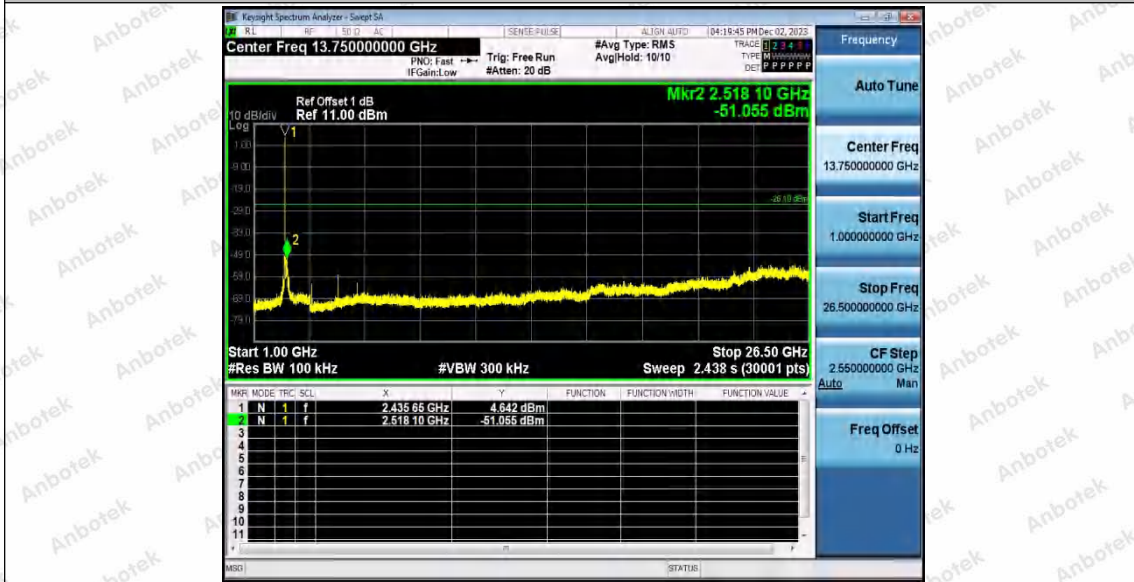
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11B\_Ant1\_2437\_1000~26500



11B\_Ant1\_2462\_0~Reference

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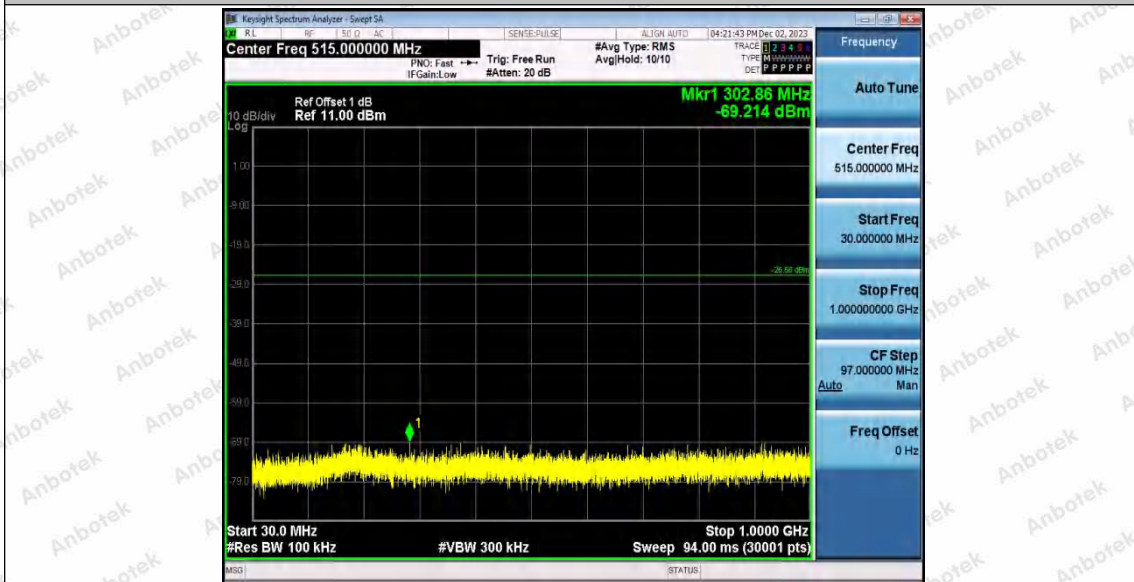
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500

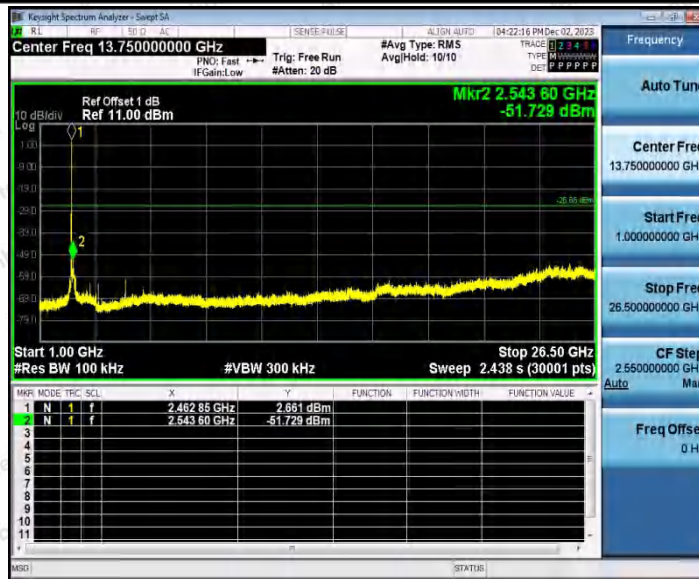
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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2412\_0~Reference



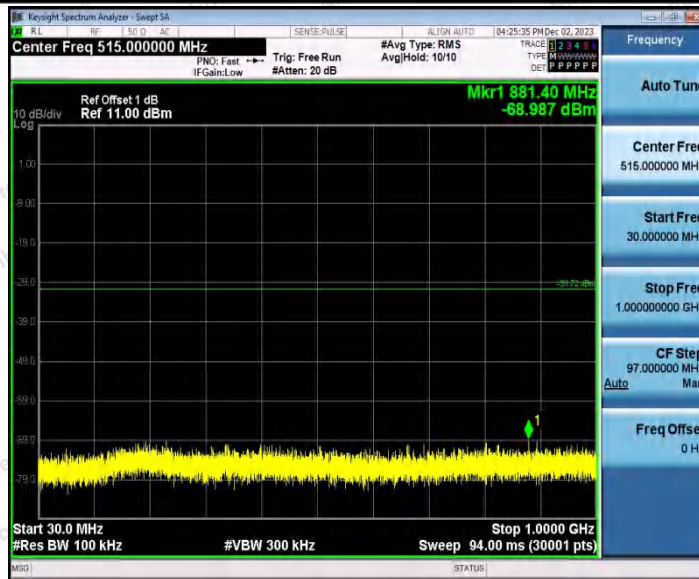
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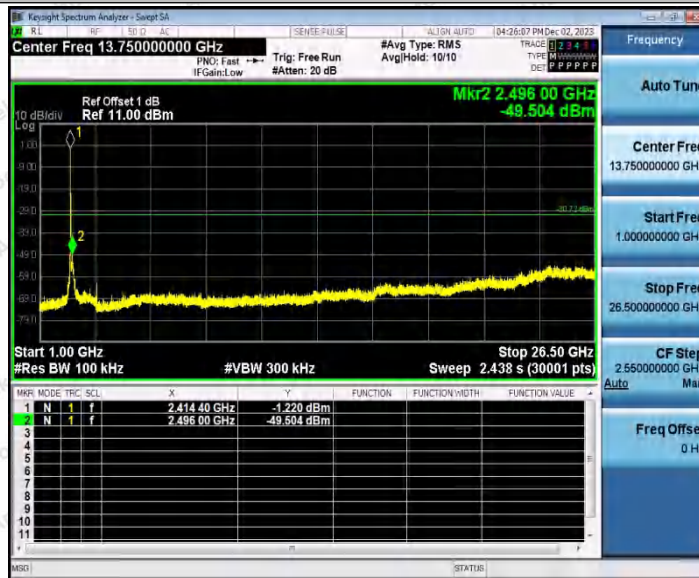
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2412\_1000~26500



11G\_Ant1\_2437\_0~Reference

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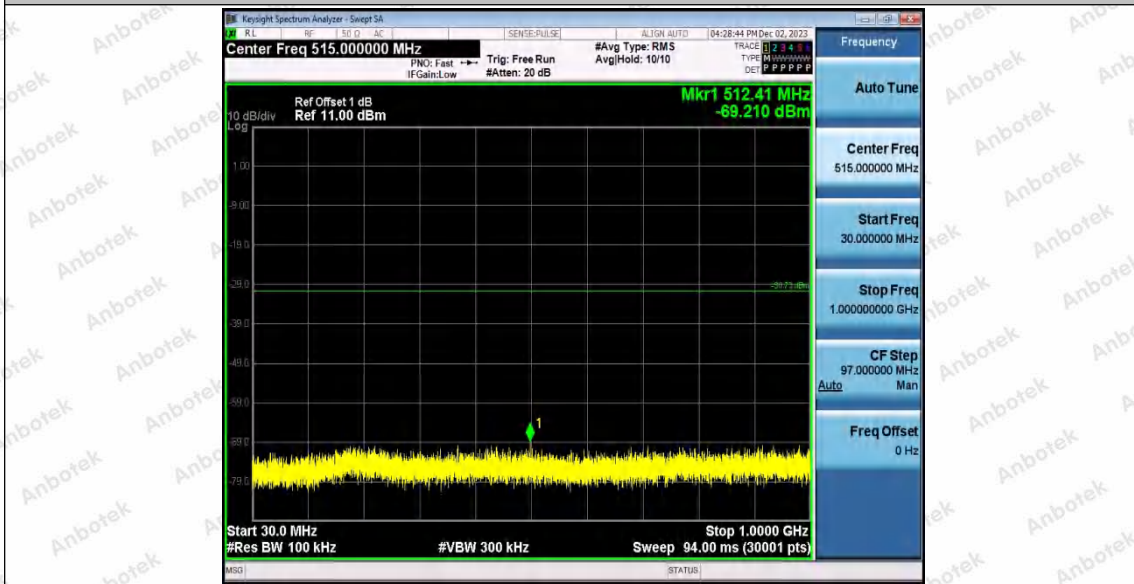
Hotline  
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11G\_Ant1\_2437\_30~1000



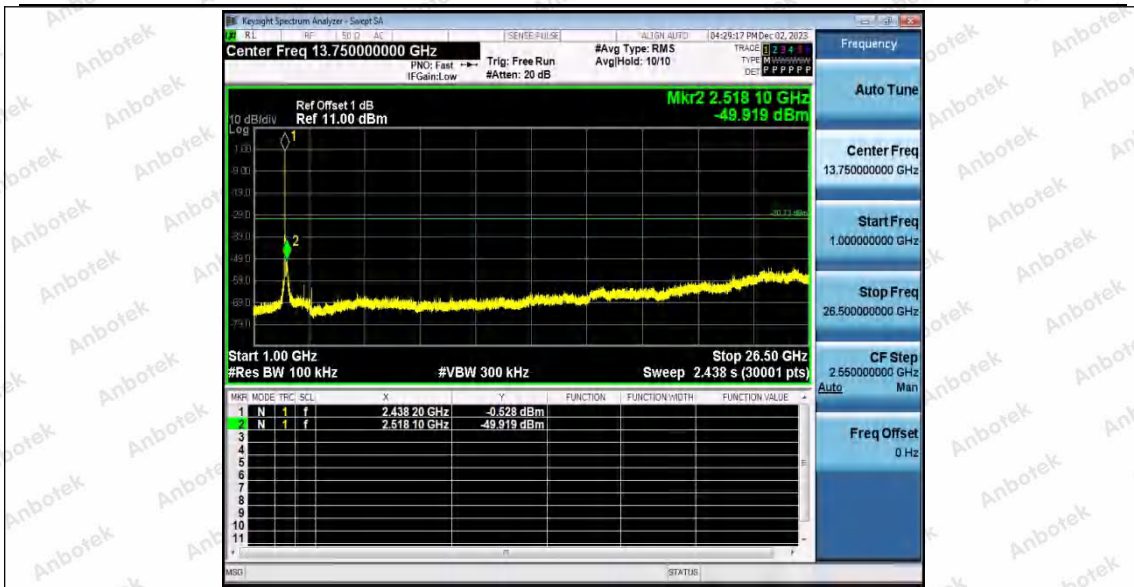
11G\_Ant1\_2437\_1000~26500

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11G\_Ant1\_2462\_0~Reference



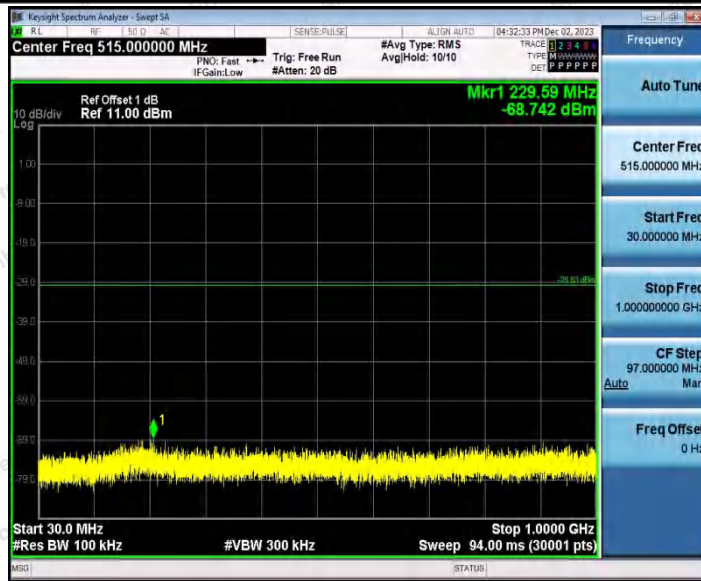
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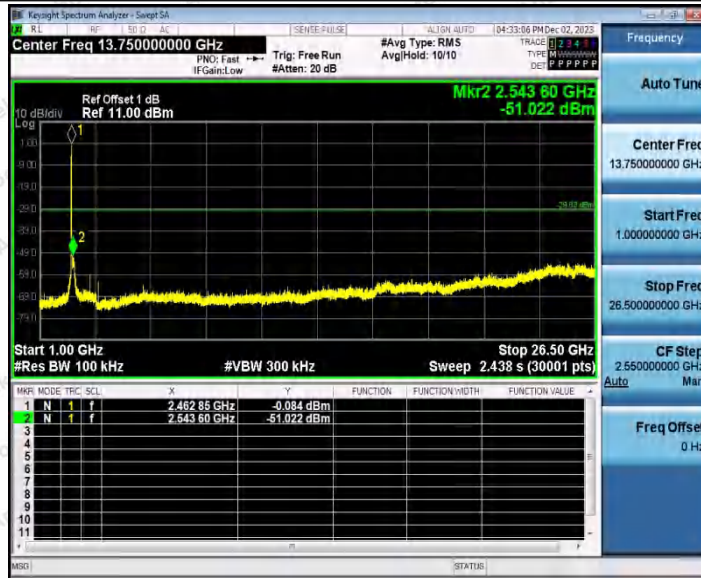
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference

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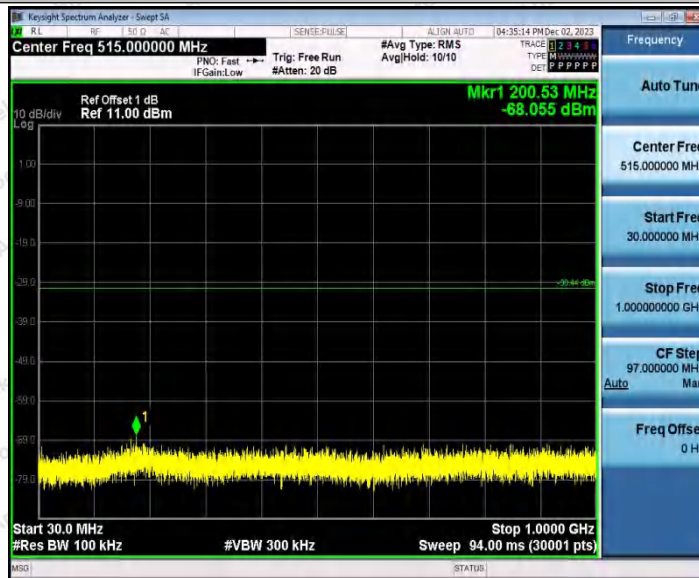
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11N20SISO\_Ant1\_2412\_30~1000



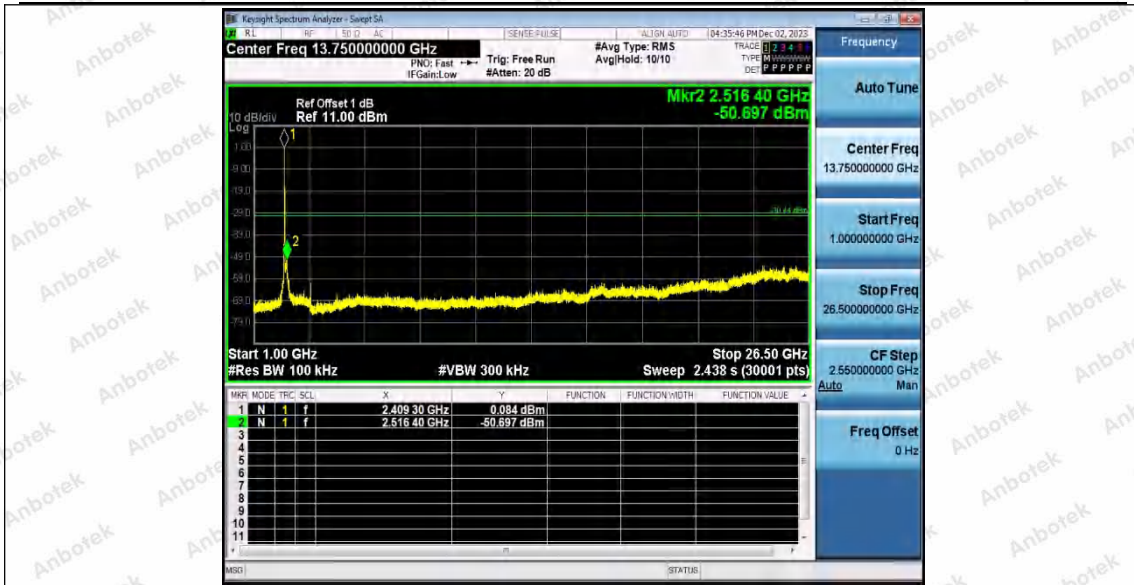
11N20SISO\_Ant1\_2412\_1000~26500

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11N20SISO\_Ant1\_2437\_0~Reference



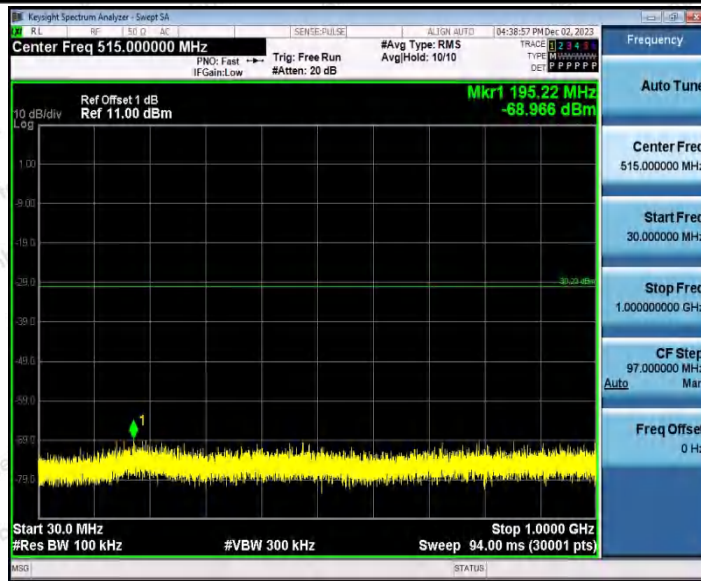
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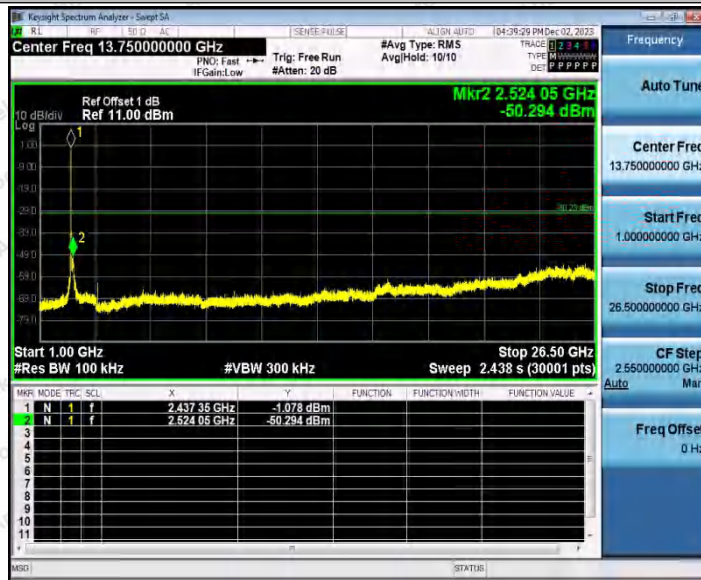
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference

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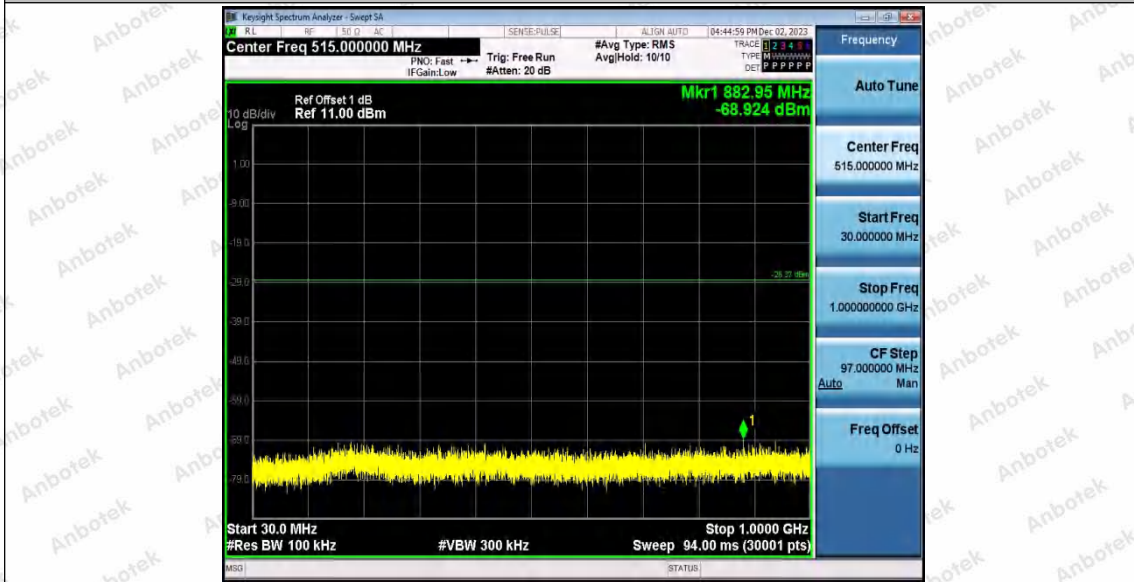
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2462\_30~1000



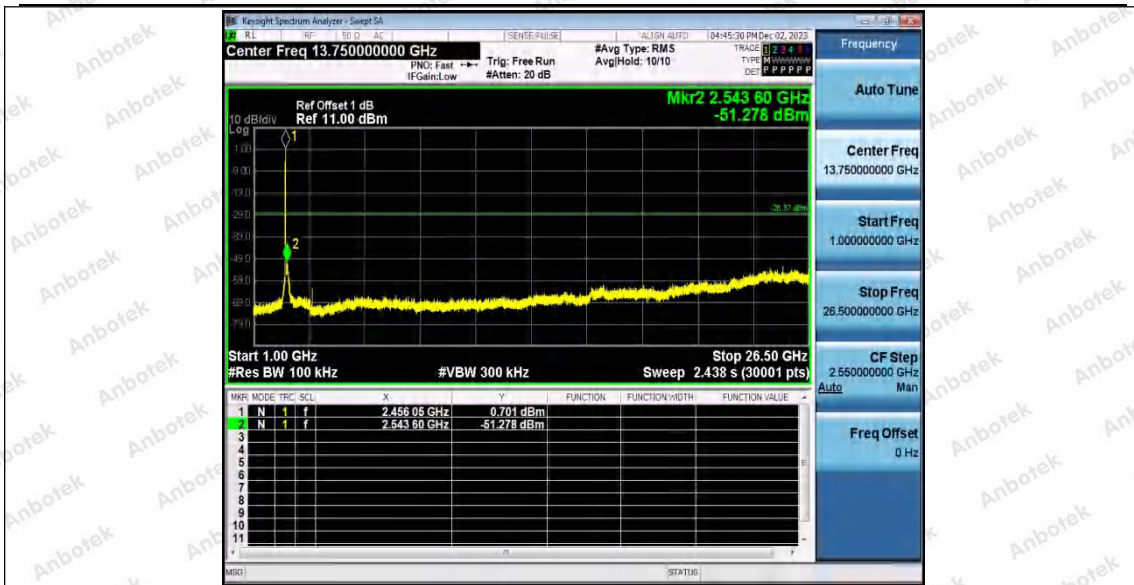
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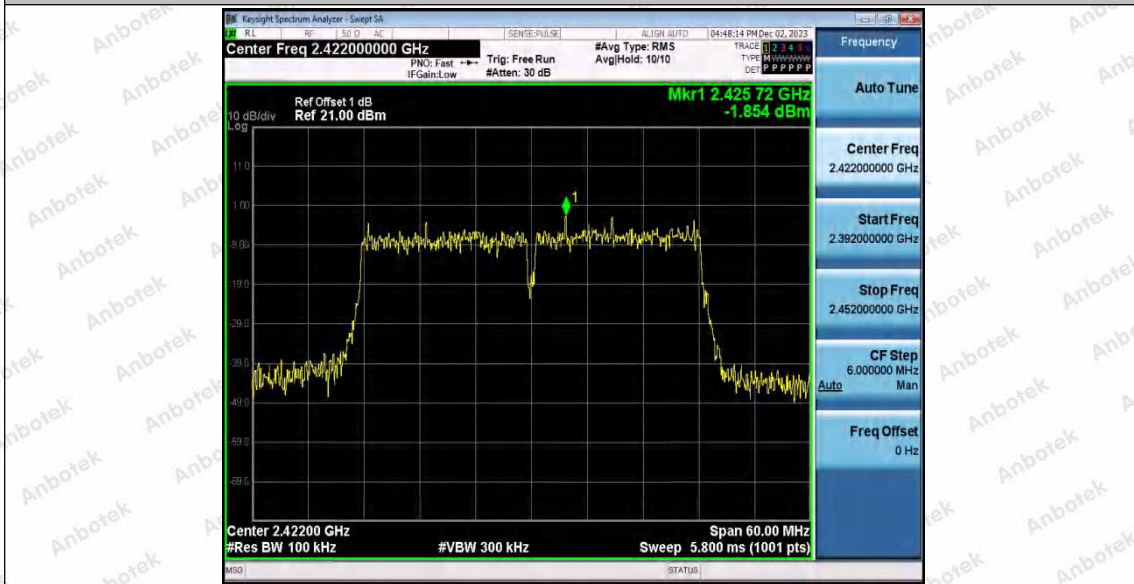
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2422\_0~Reference



11N40SISO\_Ant1\_2422\_30~1000

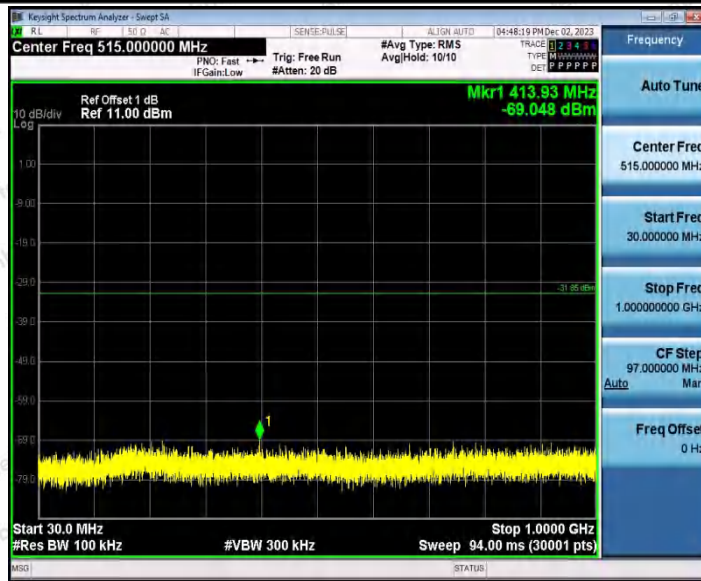
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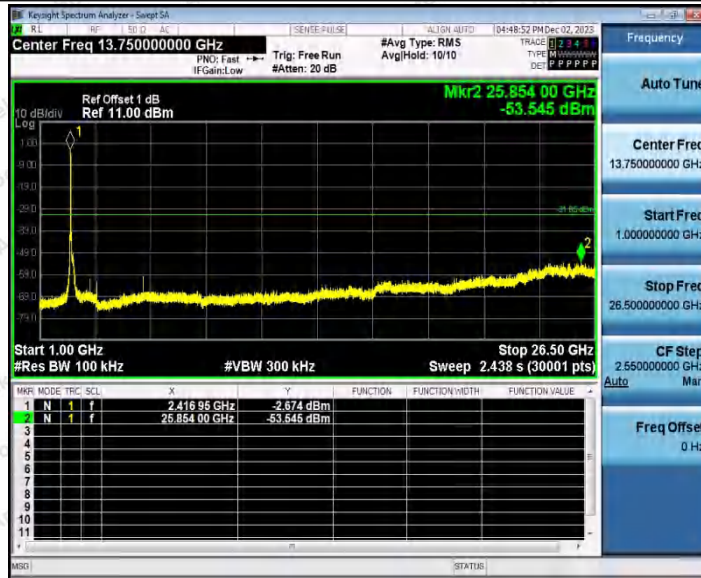
Hotline  
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11N40SISO\_Ant1\_2422\_1000~26500



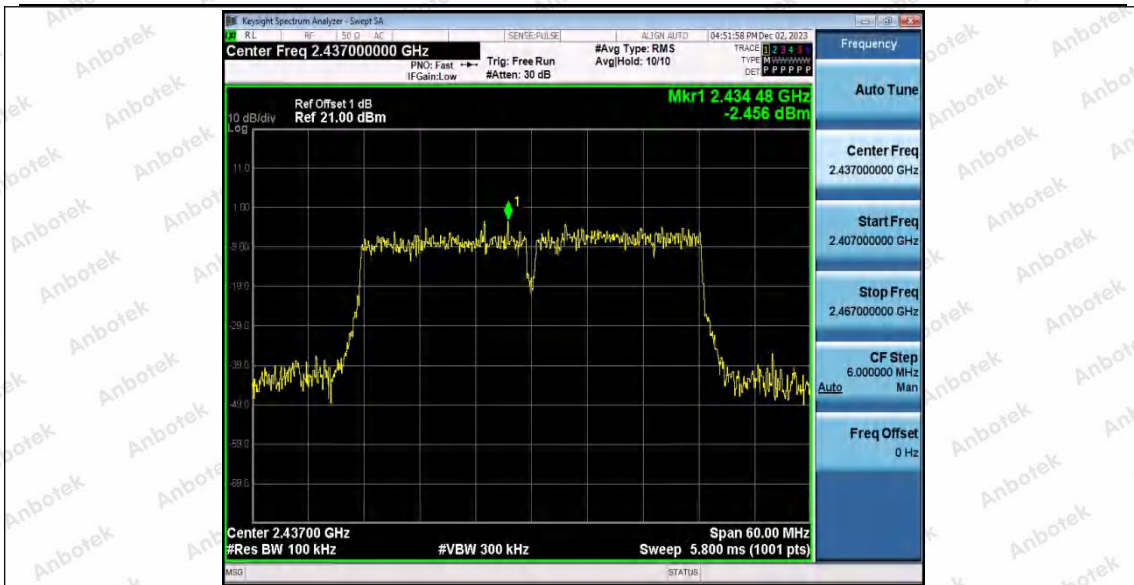
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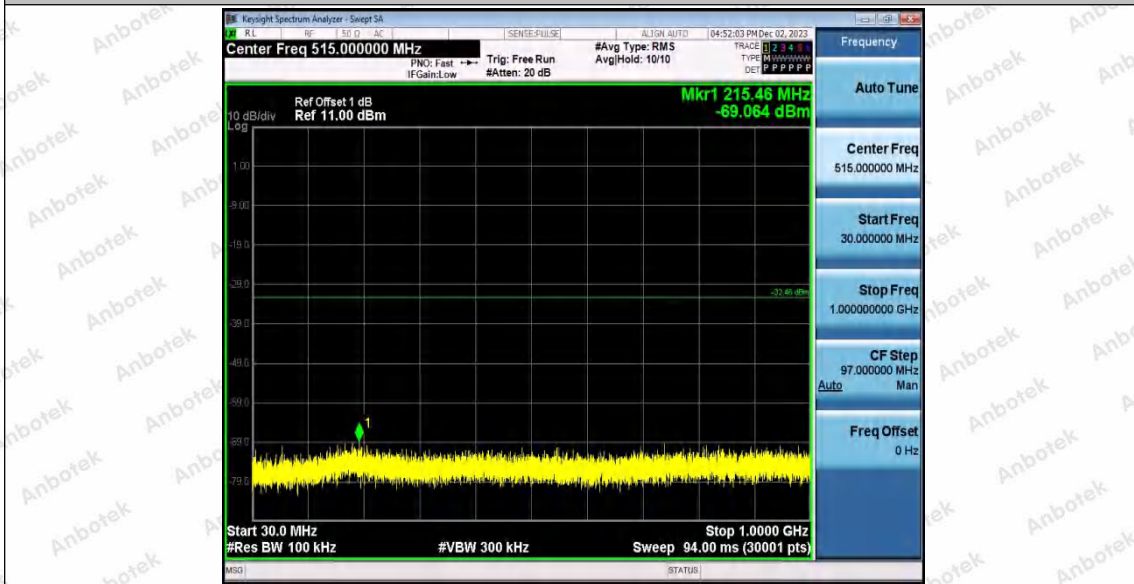
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11N40SISO\_Ant1\_2437\_30~1000



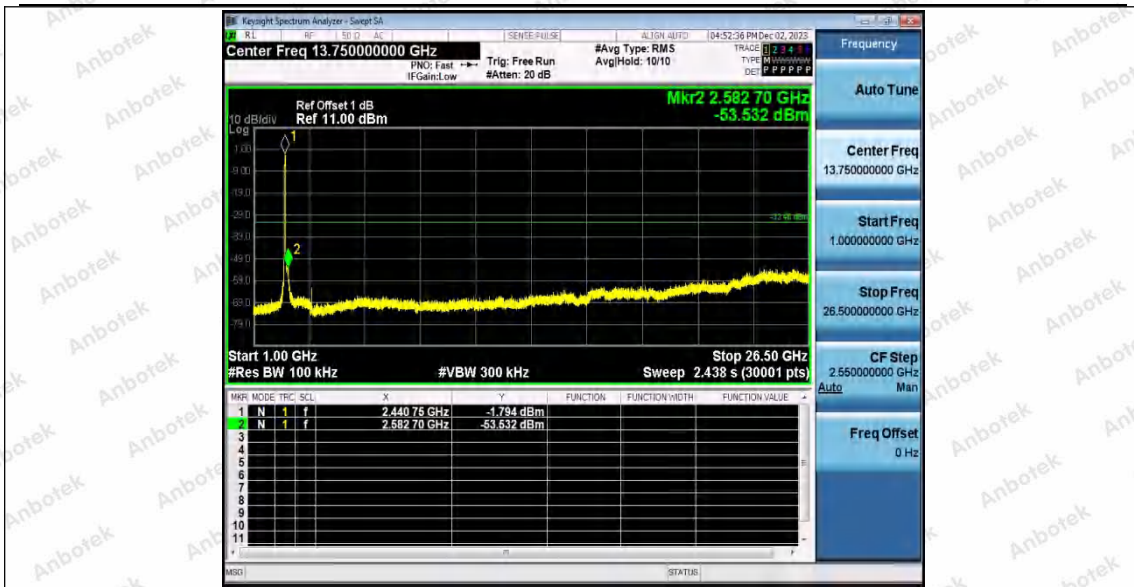
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11N40SISO\_Ant1\_2452\_0~Reference



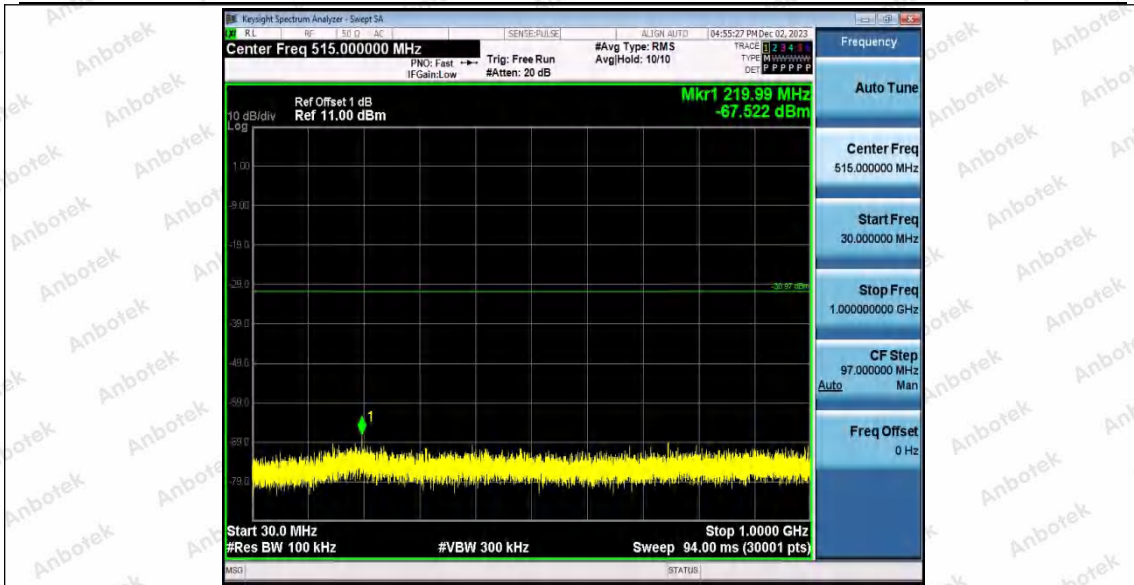
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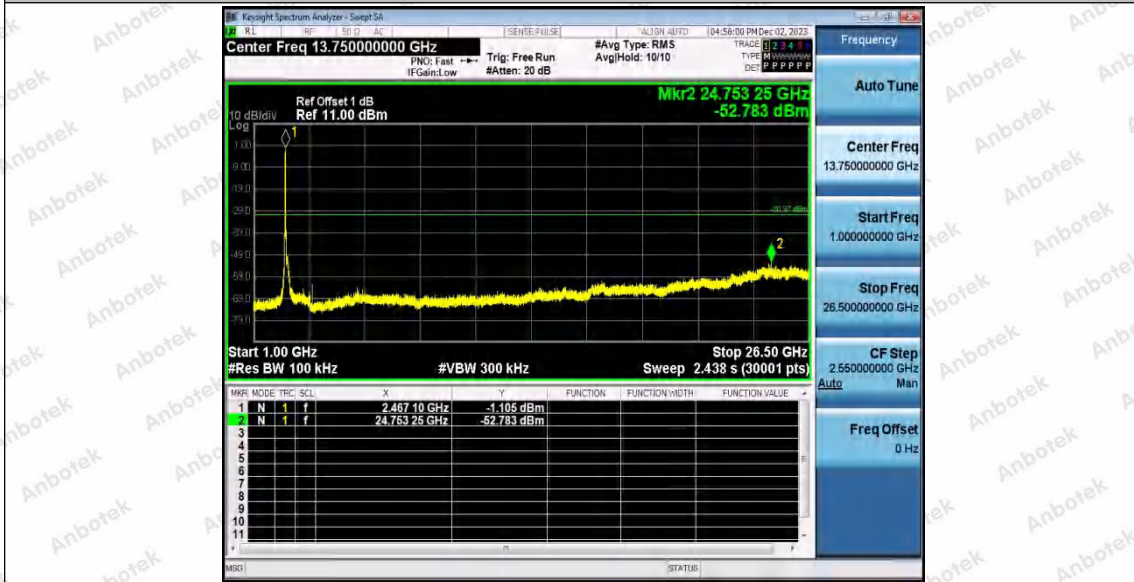
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11N40SISO\_Ant1\_2452\_1000~26500



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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	12.41	12.72	97.56	0.11
		2437	12.43	12.72	97.72	0.10
		2462	12.43	12.71	97.80	0.10
11G	Ant1	2412	2.07	2.37	87.34	0.59
		2437	2.06	2.36	87.29	0.59
		2462	2.06	2.36	87.29	0.59
11N20SISO	Ant1	2412	1.92	2.22	86.49	0.63
		2437	1.92	2.22	86.49	0.63
		2462	1.92	2.22	86.49	0.63
11N40SISO	Ant1	2422	0.49	0.80	61.25	2.13
		2437	0.49	0.79	62.03	2.07
		2452	0.50	0.80	62.50	2.04

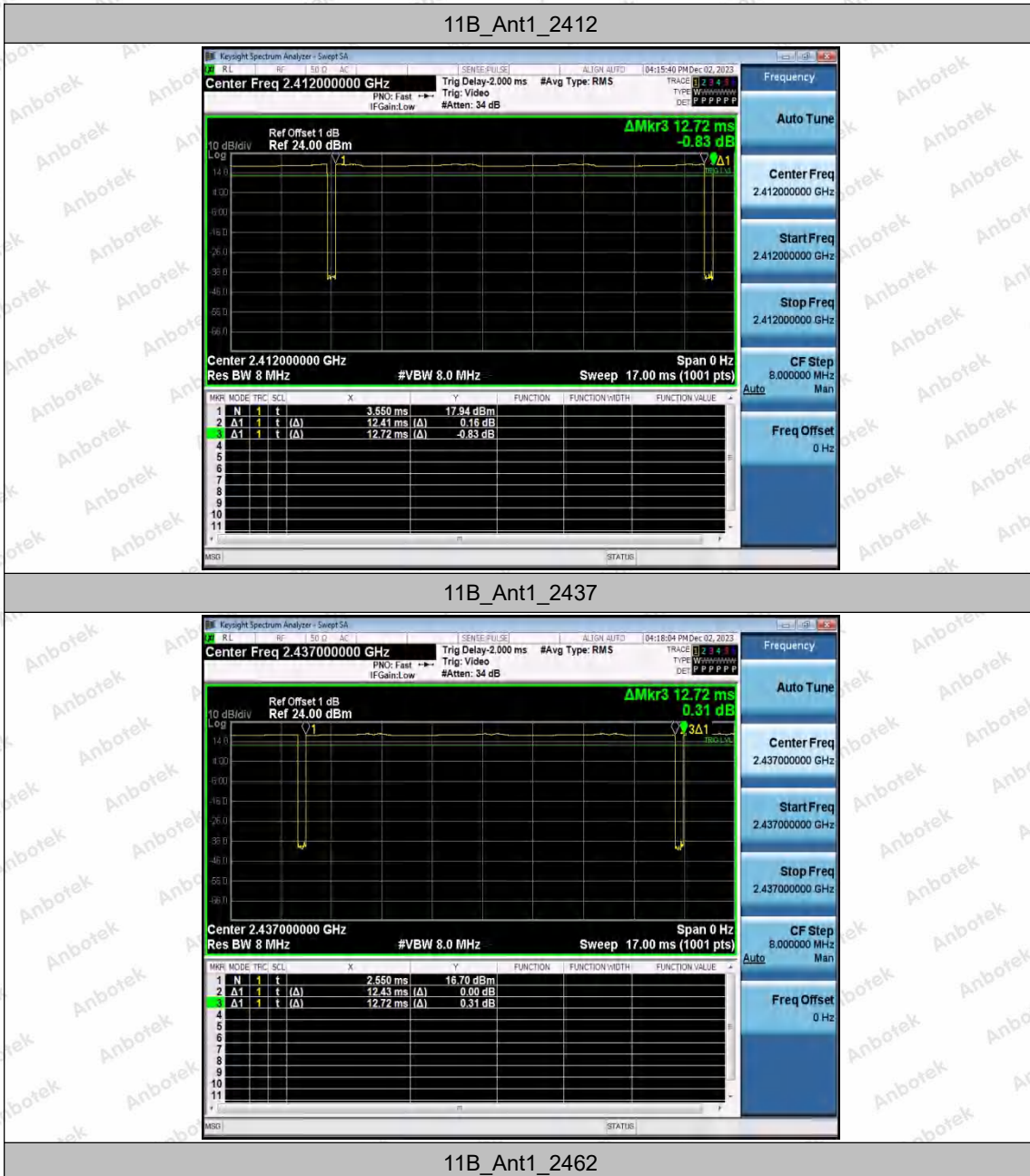
### Shenzhen Anbotek Compliance Laboratory Limited

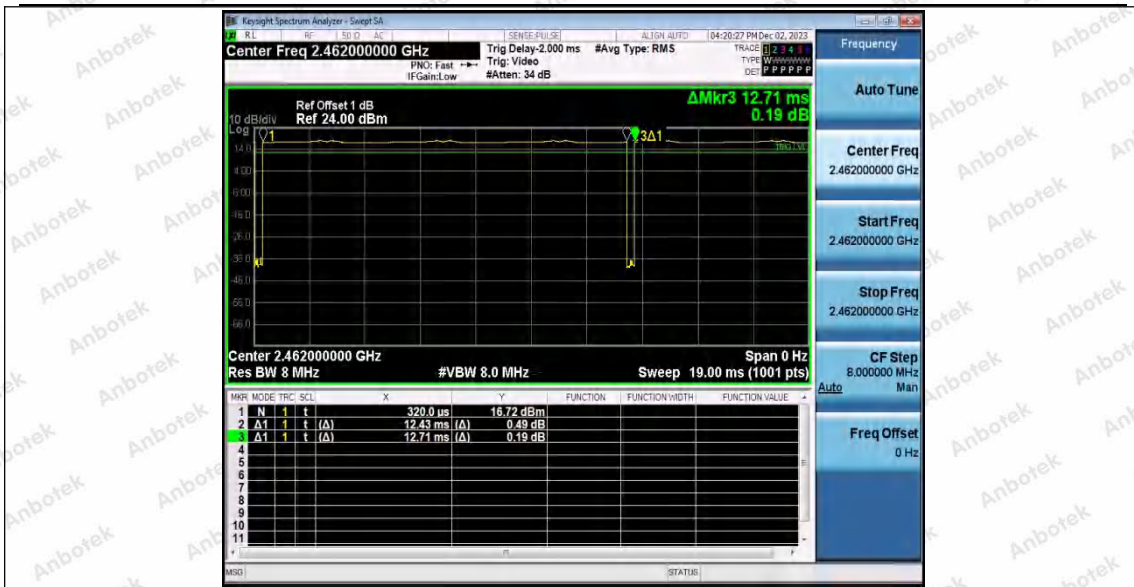
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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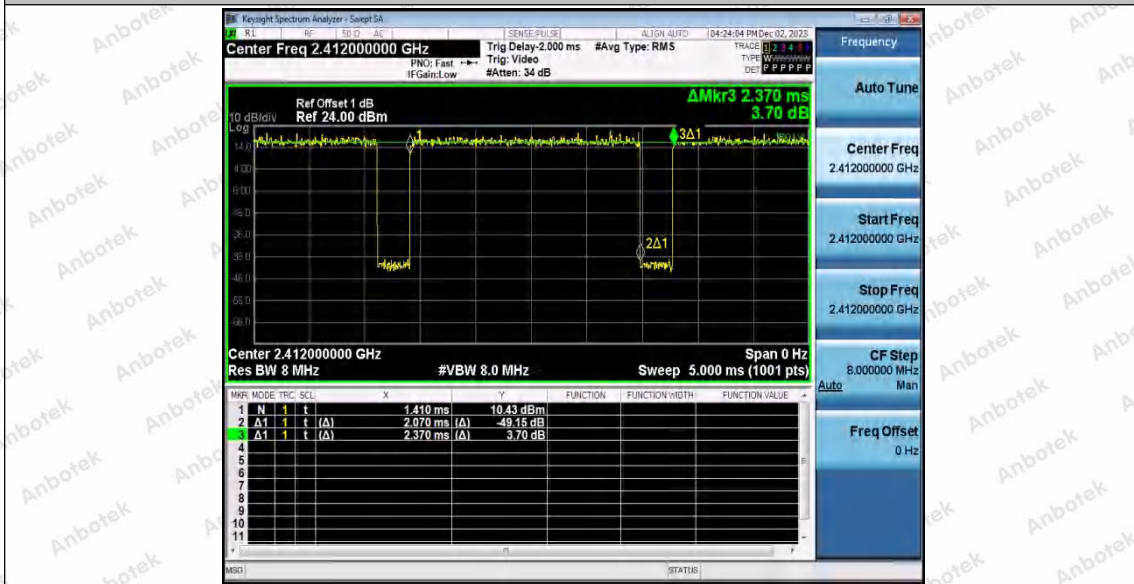


## Test Graphs





11G\_Ant1\_2412



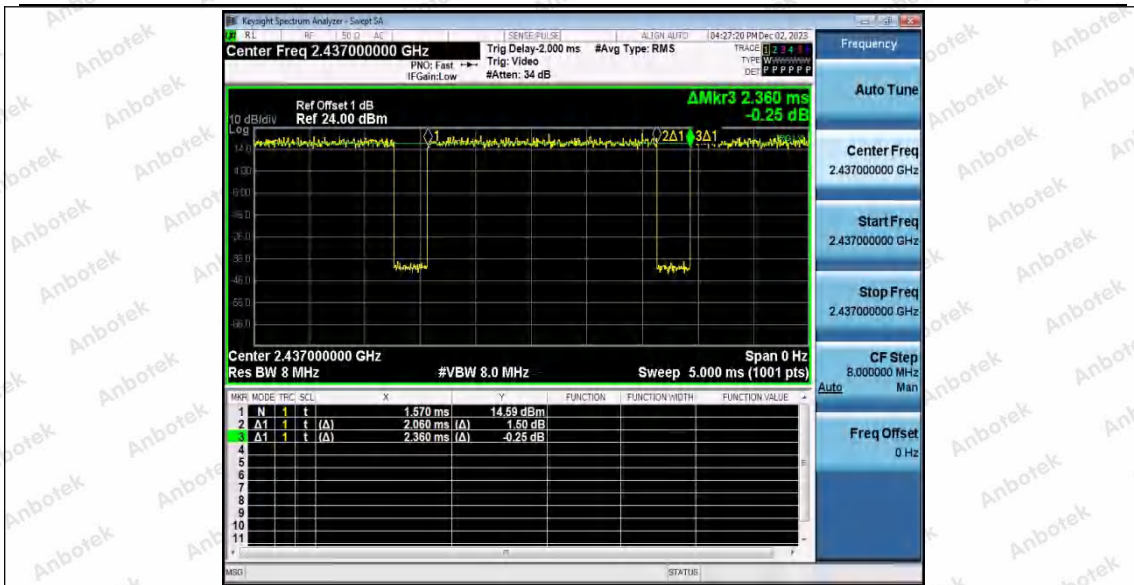
11G\_Ant1\_2437

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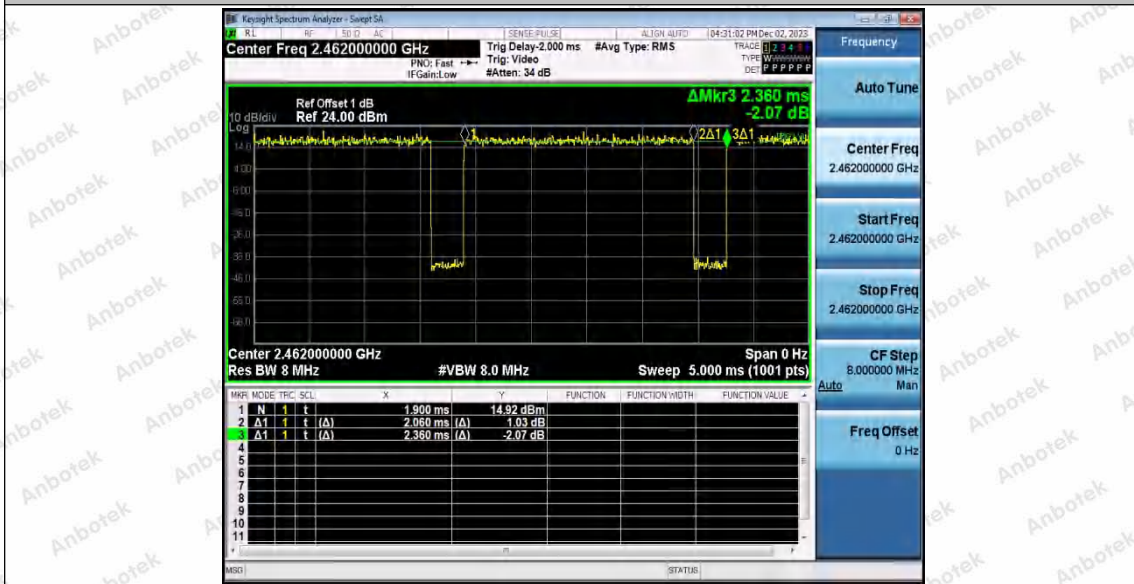
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462



11N20SISO\_Ant1\_2412

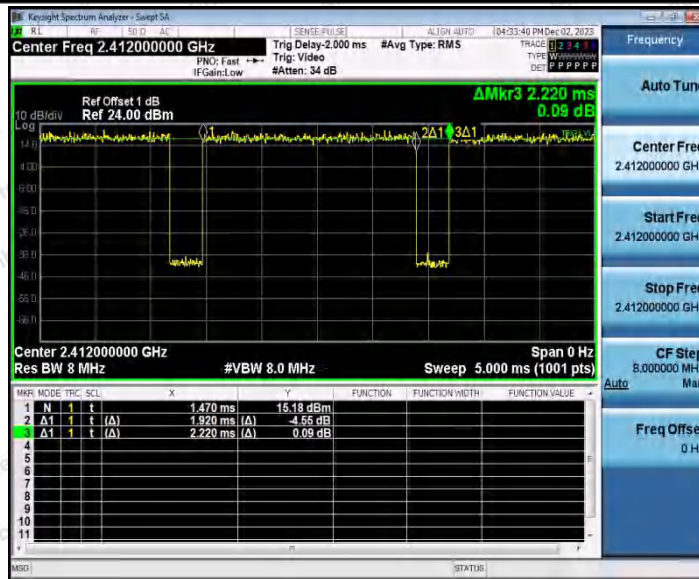
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

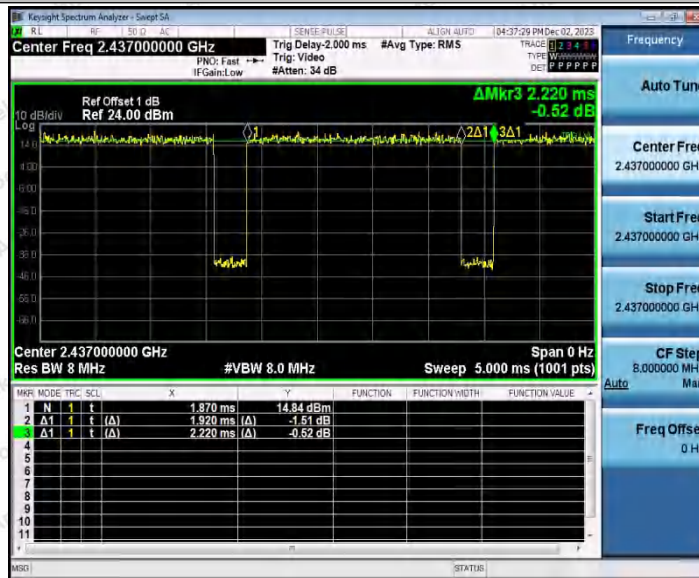
Hotline 400-003-0500  
 www.anbotek.com.cn







11N20SISO\_Ant1\_2437



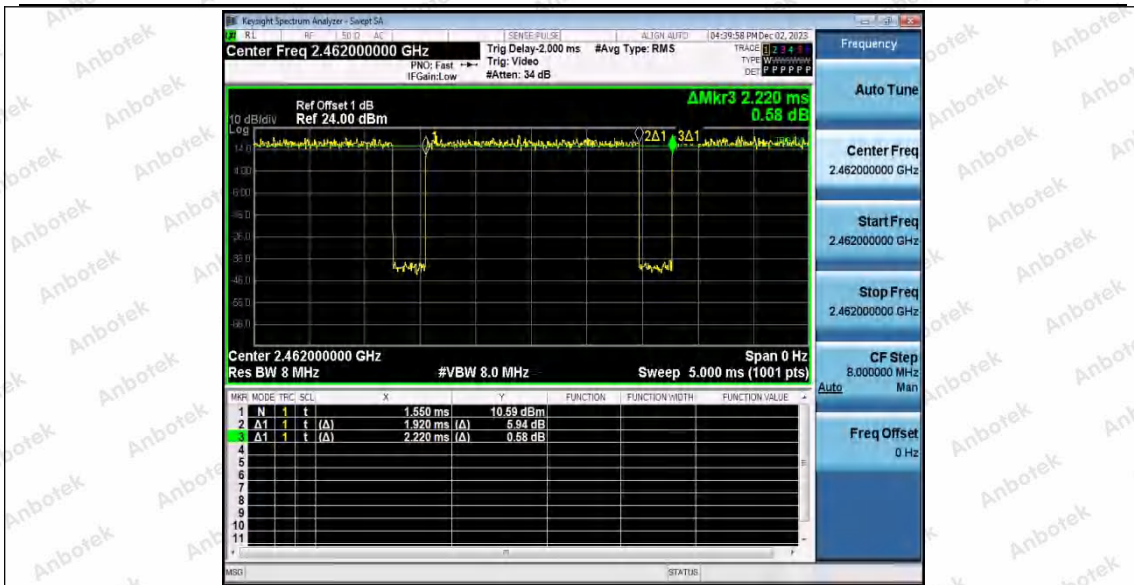
11N20SISO\_Ant1\_2462

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11N40SISO\_Ant1\_2422



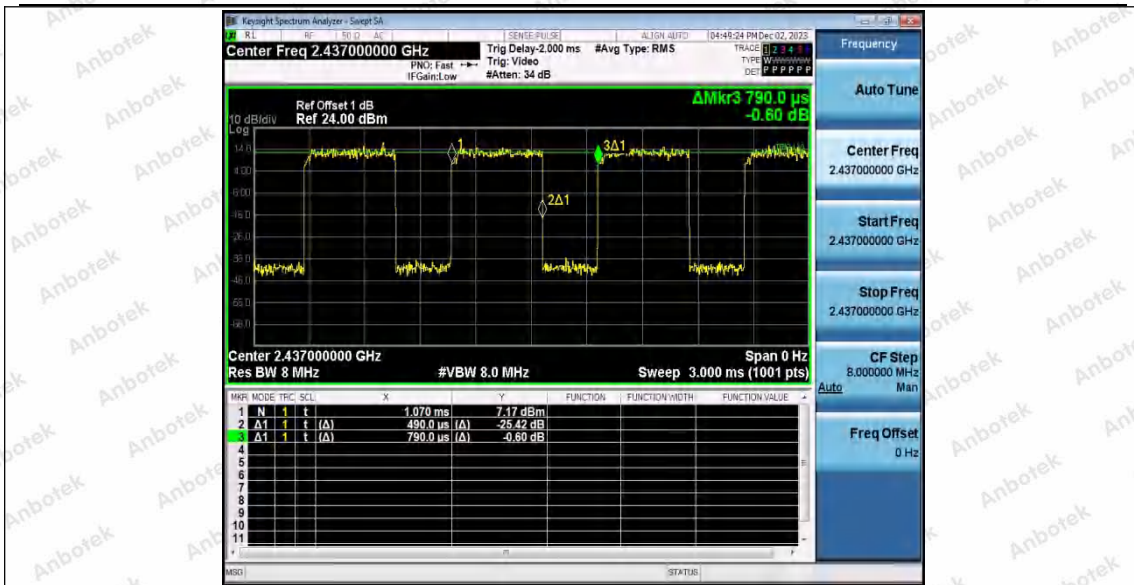
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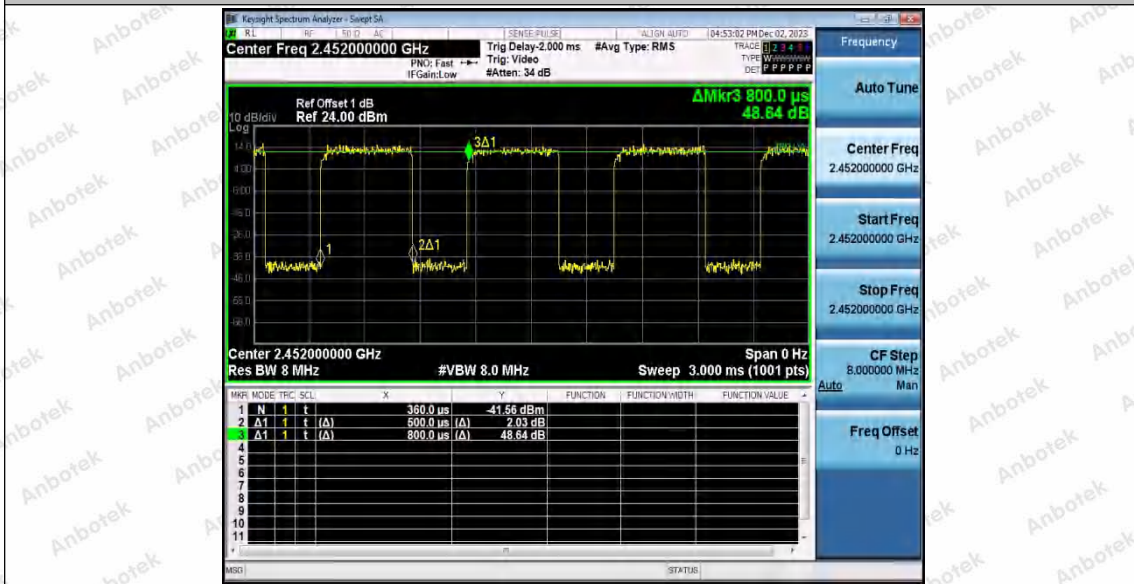
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2452



---End---

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