

## Appendix Test Data

Report No.:	18220WC40006802	Test Sample No.:	1-2-2
Start Test Date:	2024.1.23	Finish Test Date:	2024.1.24
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	24.6°C	Relative Humidity:	42%
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	10.120	2406.920	2417.040	0.5	PASS
		2437	10.120	2431.920	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.520	2453.720	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.160	2420.840	0.5	PASS
		2437	17.680	2428.160	2445.840	0.5	PASS
		2462	17.640	2453.160	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.480	2403.760	2440.240	0.5	PASS
		2437	36.480	2418.760	2455.240	0.5	PASS
		2452	36.400	2433.760	2470.160	0.5	PASS

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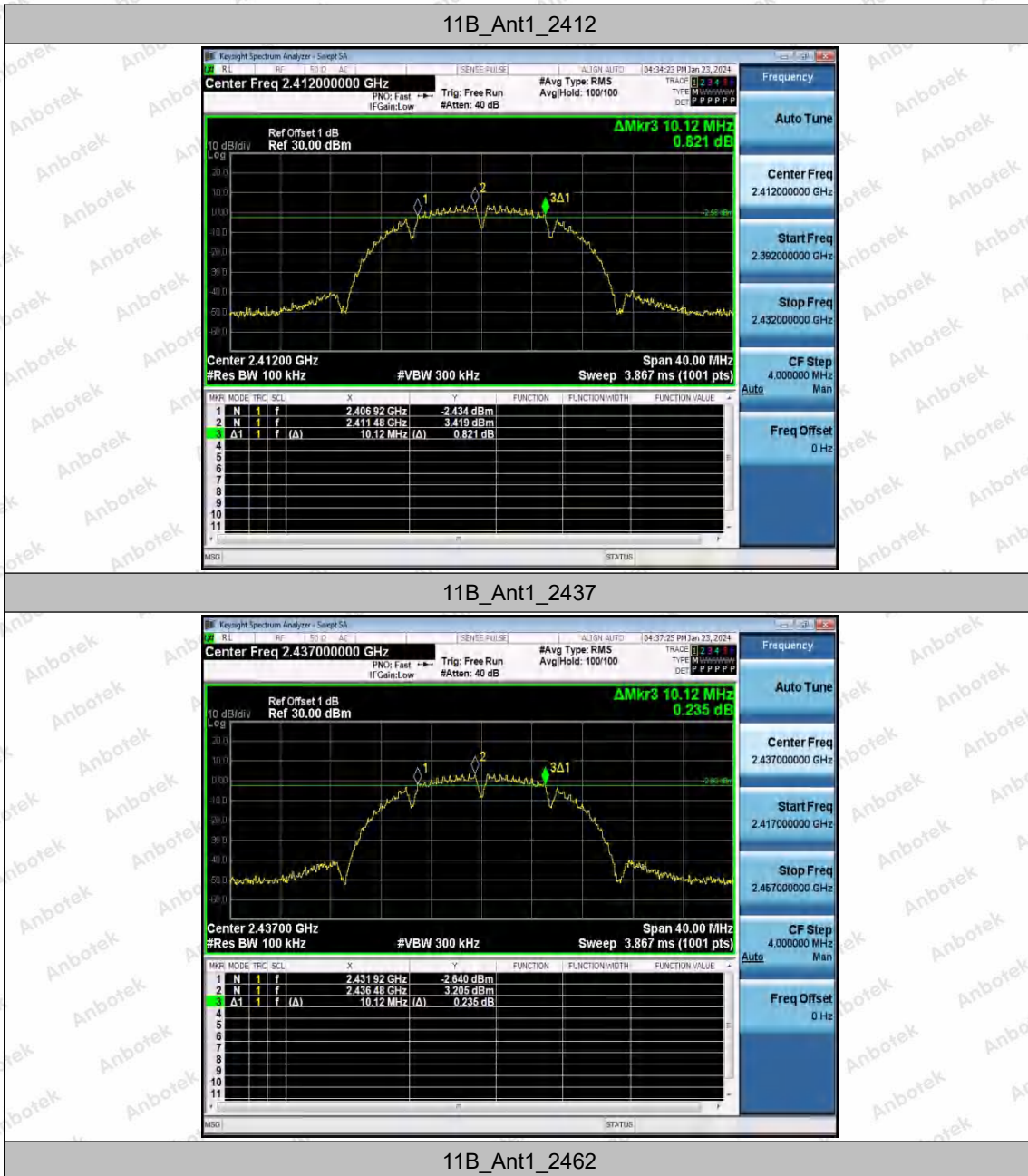
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## Test Graphs



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11G\_Ant1\_2412



11G\_Ant1\_2437

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11G\_Ant1\_2462



11N20SISO\_Ant1\_2412

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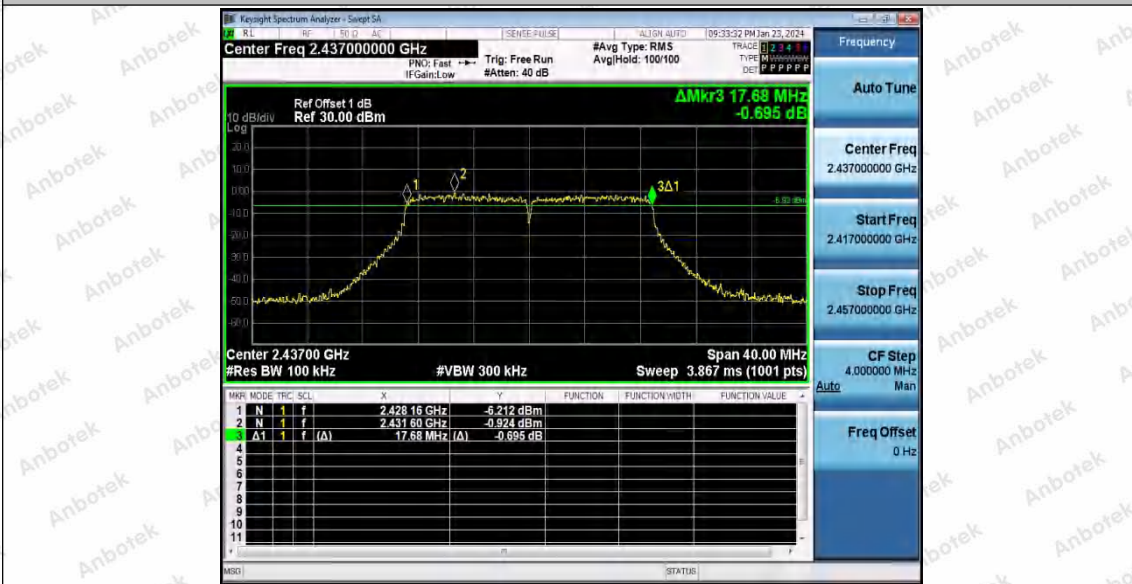
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11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

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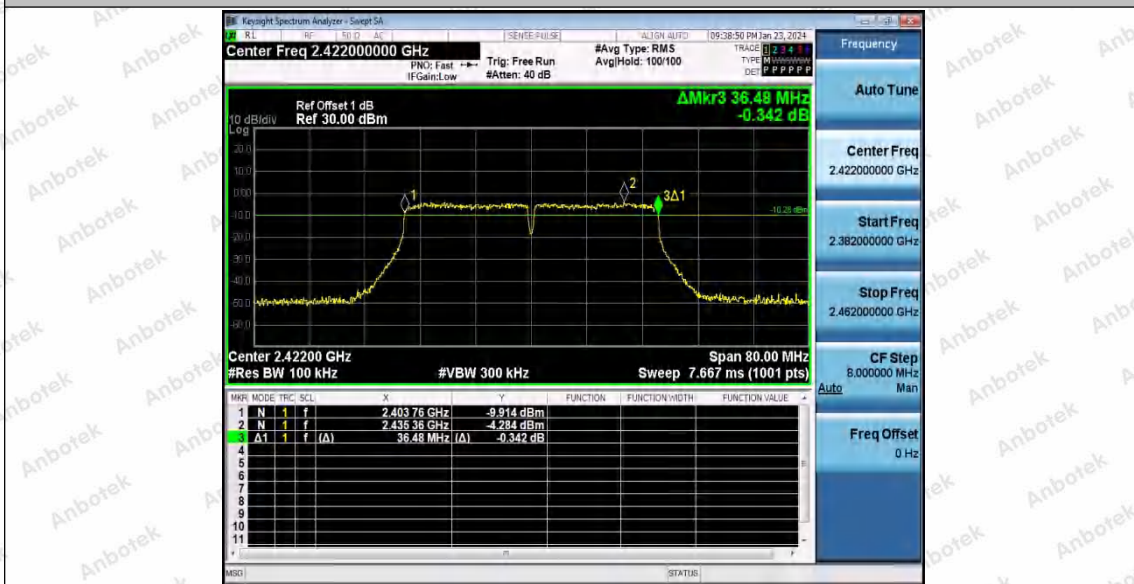
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11N40SISO\_Ant1\_2422



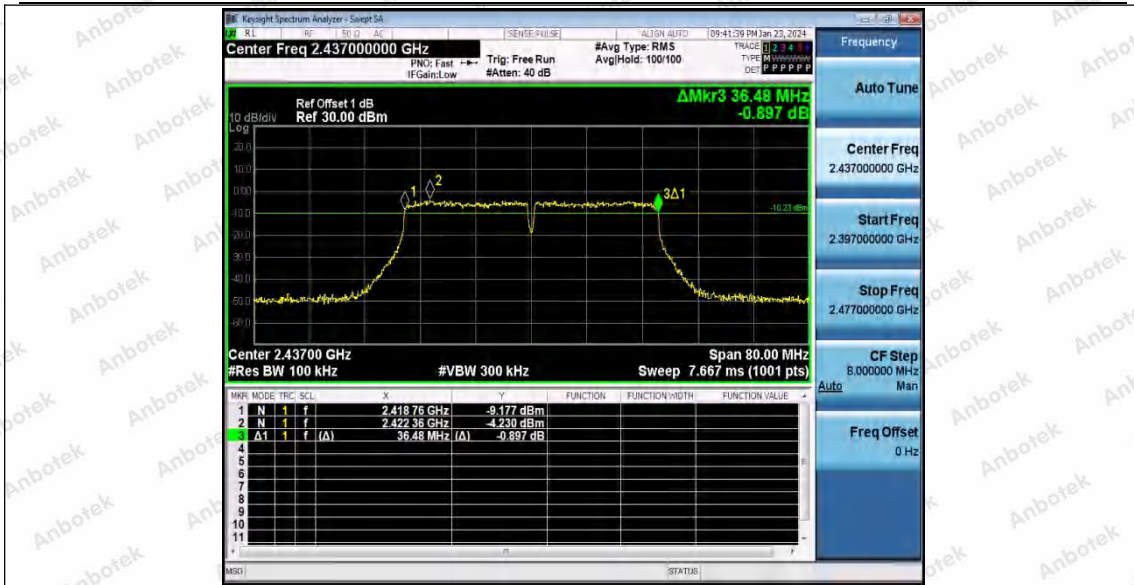
11N40SISO\_Ant1\_2437

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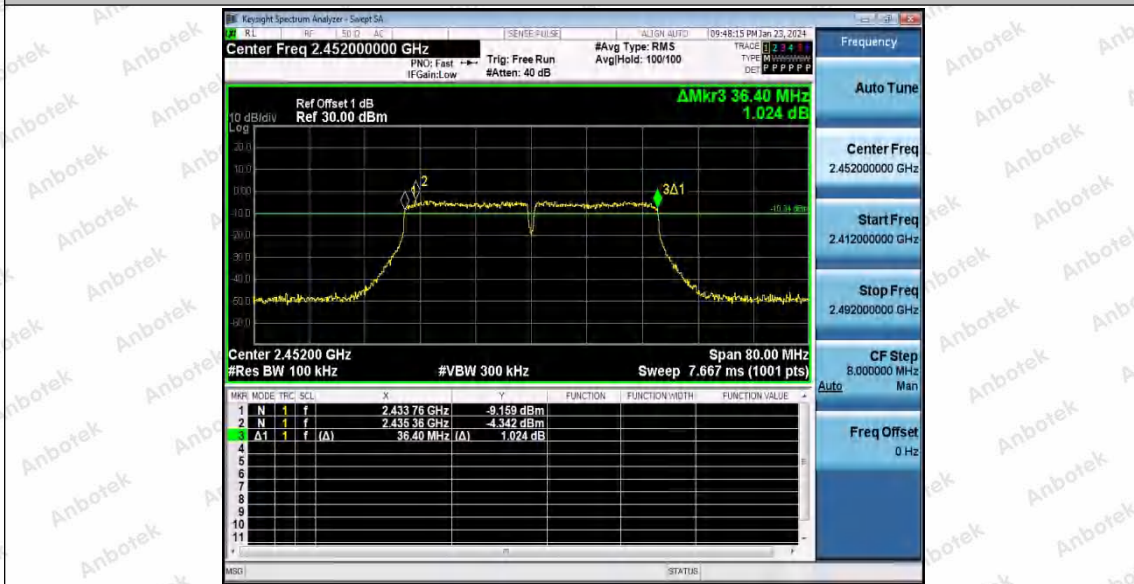
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2452



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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.048	2404.4872	2419.5352	---	---
		2437	15.048	2429.4837	2444.5317	---	---
		2462	15.041	2454.4851	2469.5261	---	---
11G	Ant1	2412	16.955	2403.4475	2420.4025	---	---
		2437	16.962	2428.4626	2445.4246	---	---
		2462	16.964	2453.4546	2470.4186	---	---
11N20SISO	Ant1	2412	17.945	2403.0127	2420.9577	---	---
		2437	17.990	2427.9831	2445.9731	---	---
		2462	17.969	2452.9869	2470.9559	---	---
11N40SISO	Ant1	2422	36.466	2403.8059	2440.2719	---	---
		2437	36.492	2418.7508	2455.2428	---	---
		2452	36.440	2433.8239	2470.2639	---	---





## Test Graphs



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11G\_Ant1\_2412



11G\_Ant1\_2437

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11G\_Ant1\_2462



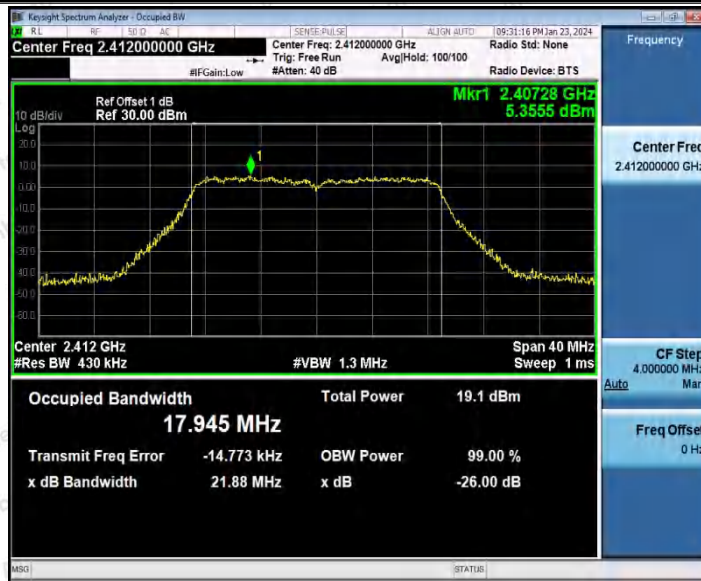
11N20SISO\_Ant1\_2412

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11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

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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	<b>13.55</b>	≤30.00
		2437	13.33	≤30.00
		2462	12.98	≤30.00
11G	Ant1	2412	12.41	≤30.00
		2437	12.14	≤30.00
		2462	12.45	≤30.00
11N20SISO	Ant1	2412	12.87	≤30.00
		2437	12.68	≤30.00
		2462	12.46	≤30.00
11N40SISO	Ant1	2422	13.15	≤30.00
		2437	13.02	≤30.00
		2452	12.87	≤30.00

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



## Test Graphs



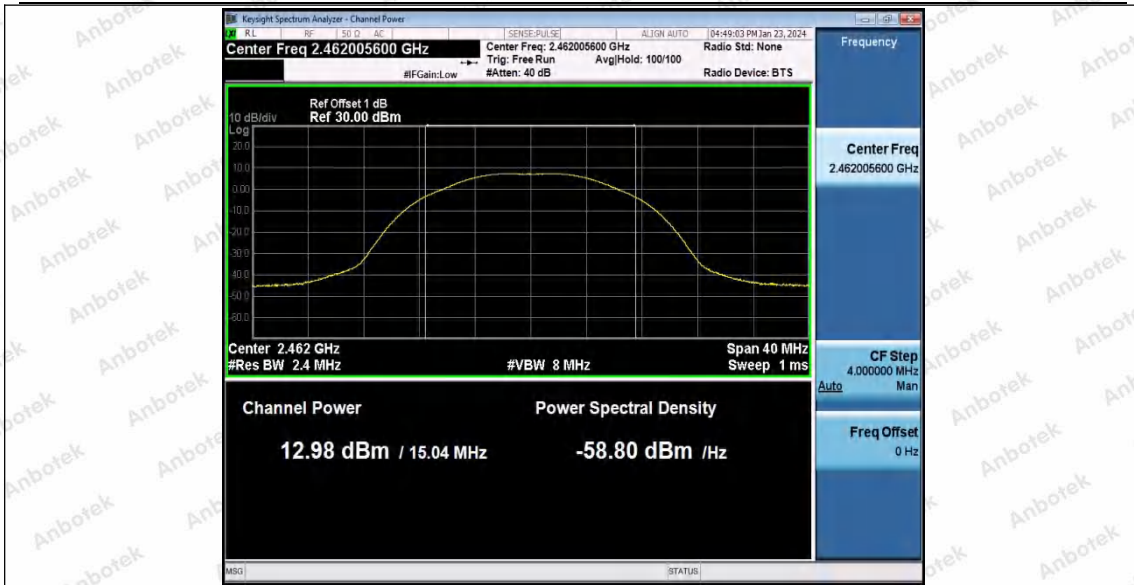
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11G\_Ant1\_2412



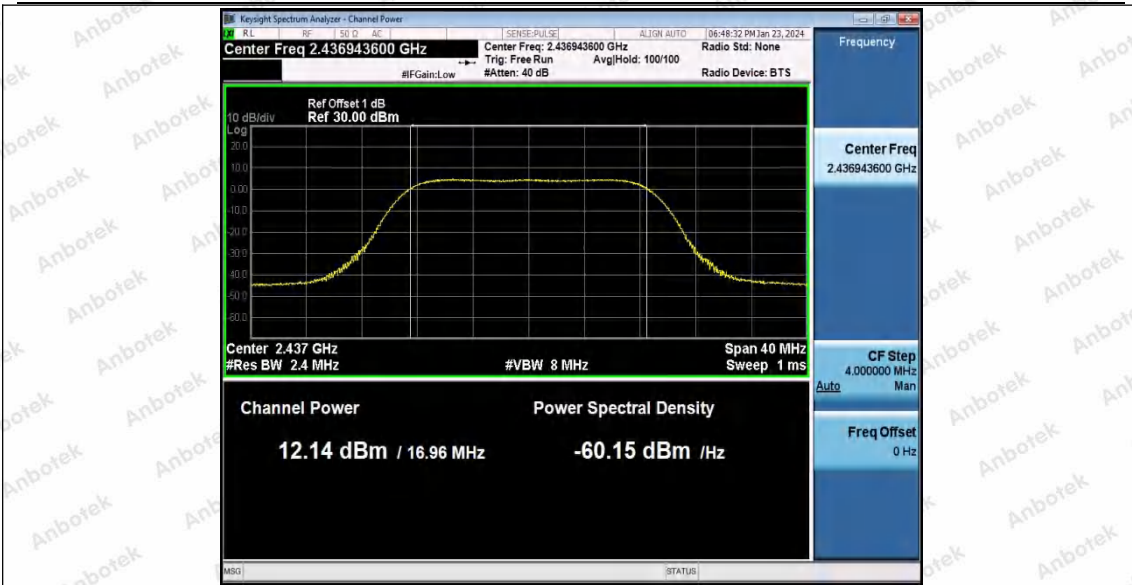
11G\_Ant1\_2437

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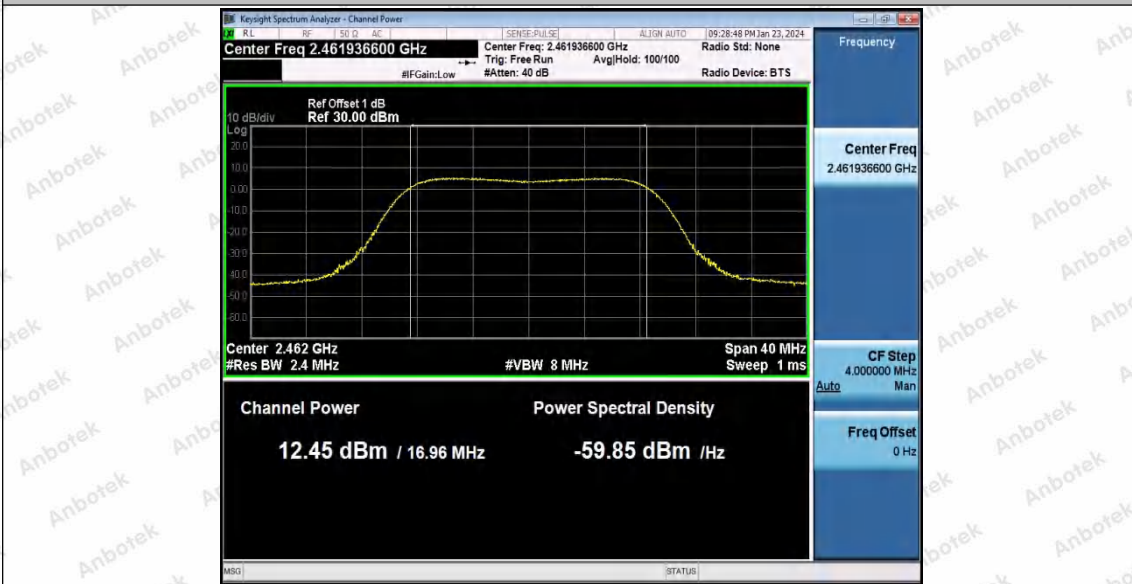
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462



11N20SISO\_Ant1\_2412

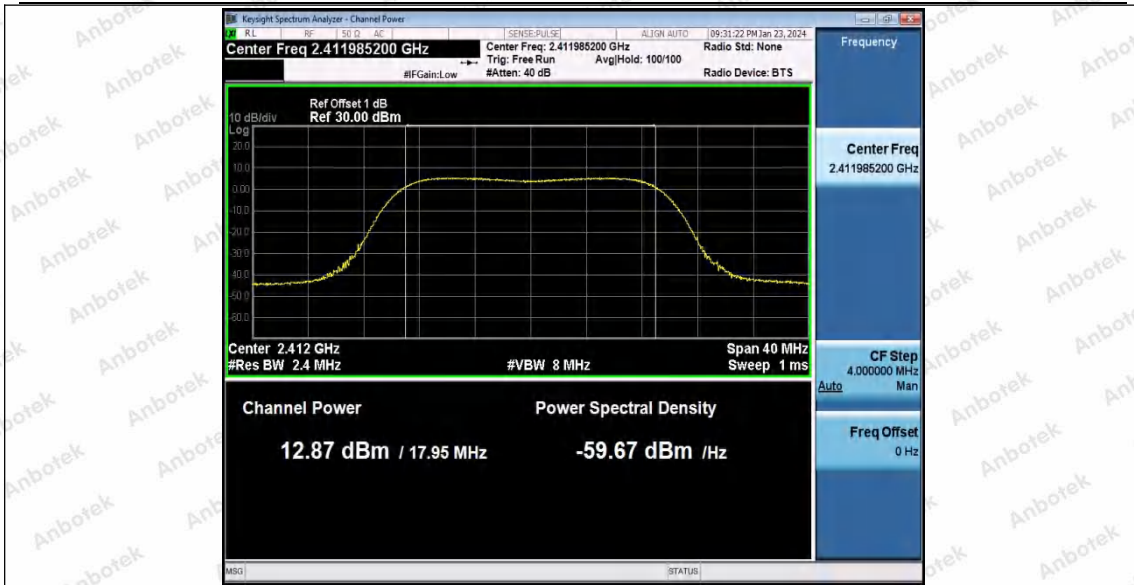
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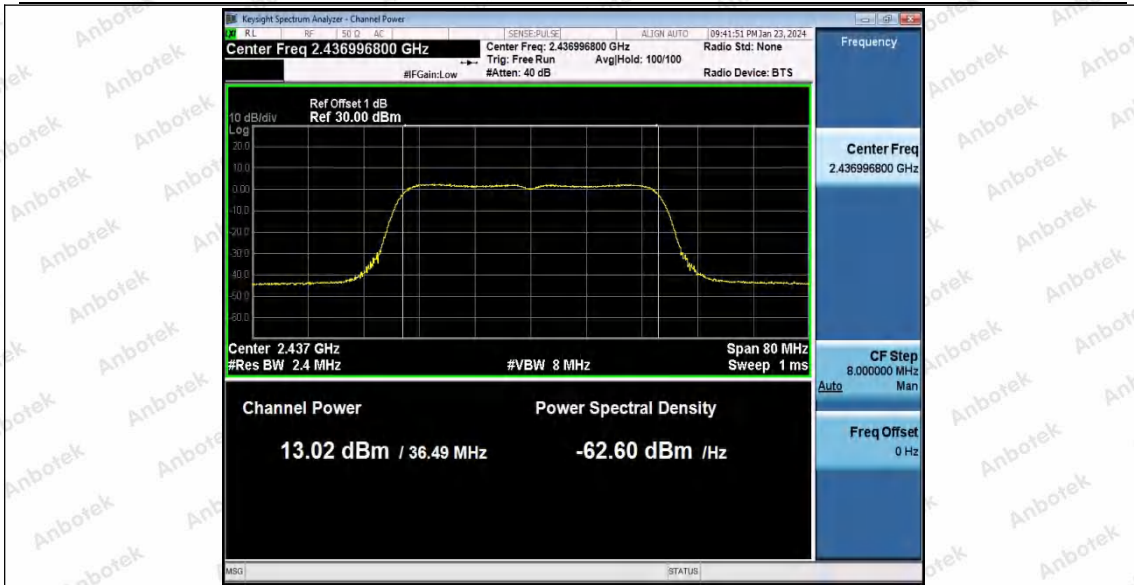


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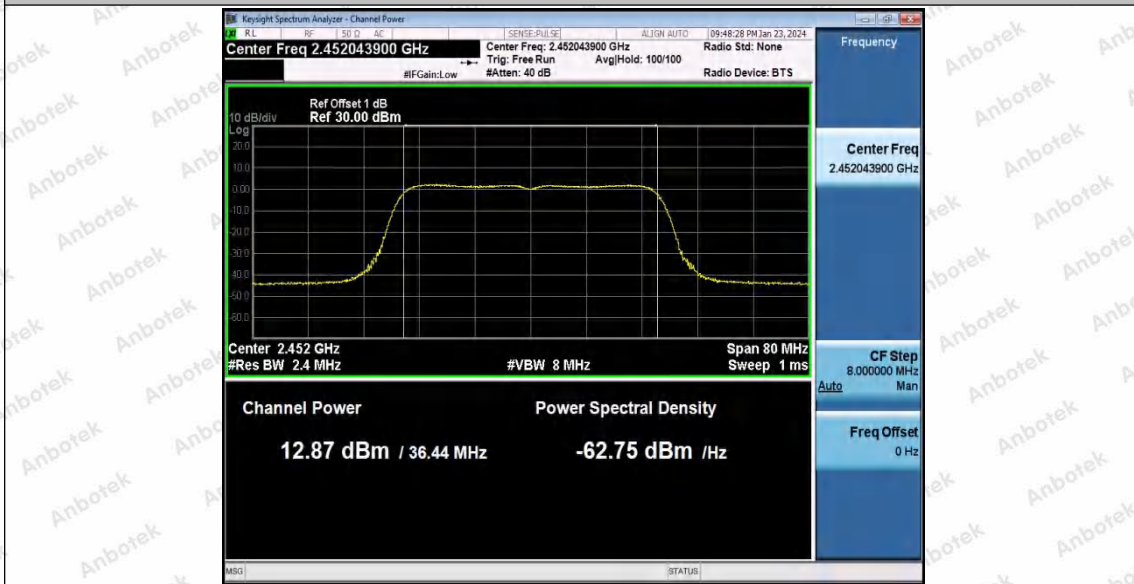
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11N40SISO\_Ant1\_2452



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## Appendix D: Maximum power spectral density

### Test Result

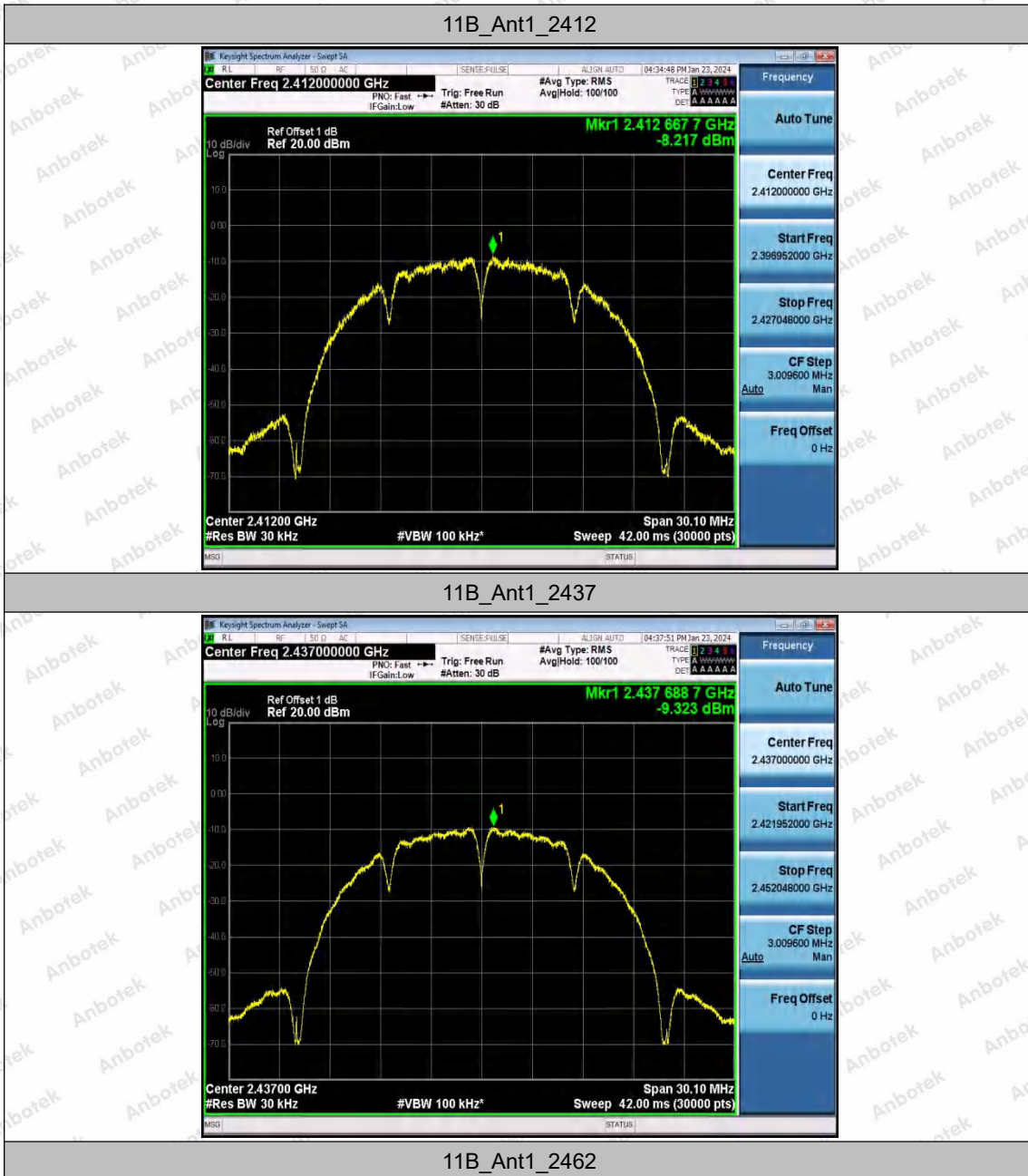
TestMode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.22	-18.22	≤8.00	PASS
		2437	-9.32	-19.32	≤8.00	PASS
		2462	-9.3	-19.30	≤8.00	PASS
11G	Ant1	2412	-1.26	-11.26	≤8.00	PASS
		2437	-1.44	-11.44	≤8.00	PASS
		2462	-11.66	-21.66	≤8.00	PASS
11N20SIS O	Ant1	2412	-11.56	-21.56	≤8.00	PASS
		2437	-11.83	-21.83	≤8.00	PASS
		2462	-11.36	-21.36	≤8.00	PASS
11N40SIS O	Ant1	2422	-14.23	-24.23	≤8.00	PASS
		2437	-14.39	-24.39	≤8.00	PASS
		2452	-14.87	-24.87	≤8.00	PASS

#### Note:

1. The Duty Cycle Factor( $10 \cdot \log(1/D)$ ) and cable loss are compensated in the graph.
2.  $PSD(dBm/3kHz) = PSD(dBm/30kHz) - (10 \cdot \log(30/3))$



## Test Graphs



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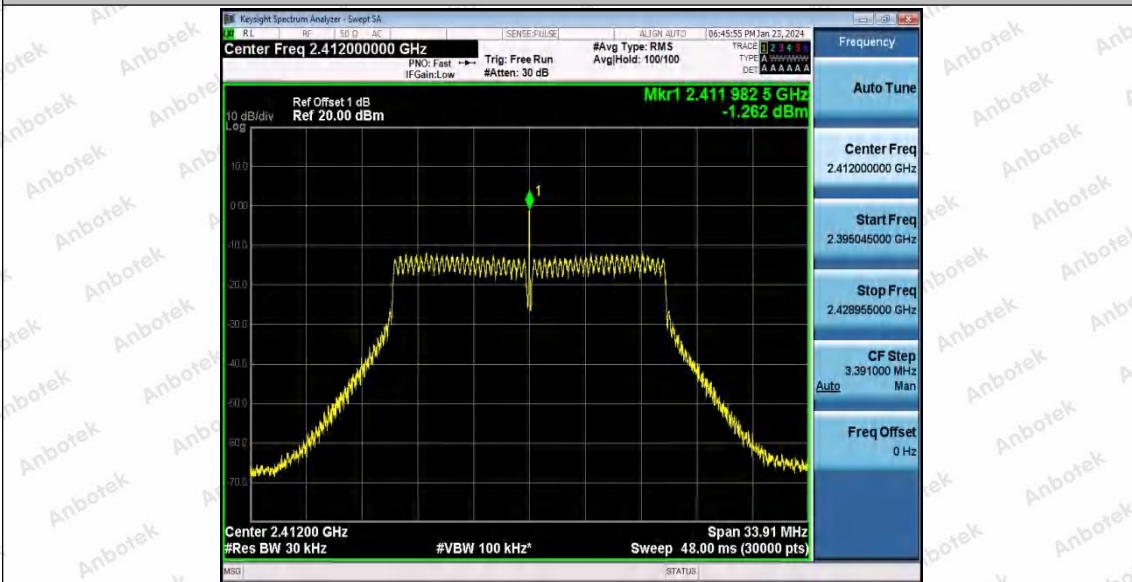
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2412



11G\_Ant1\_2437

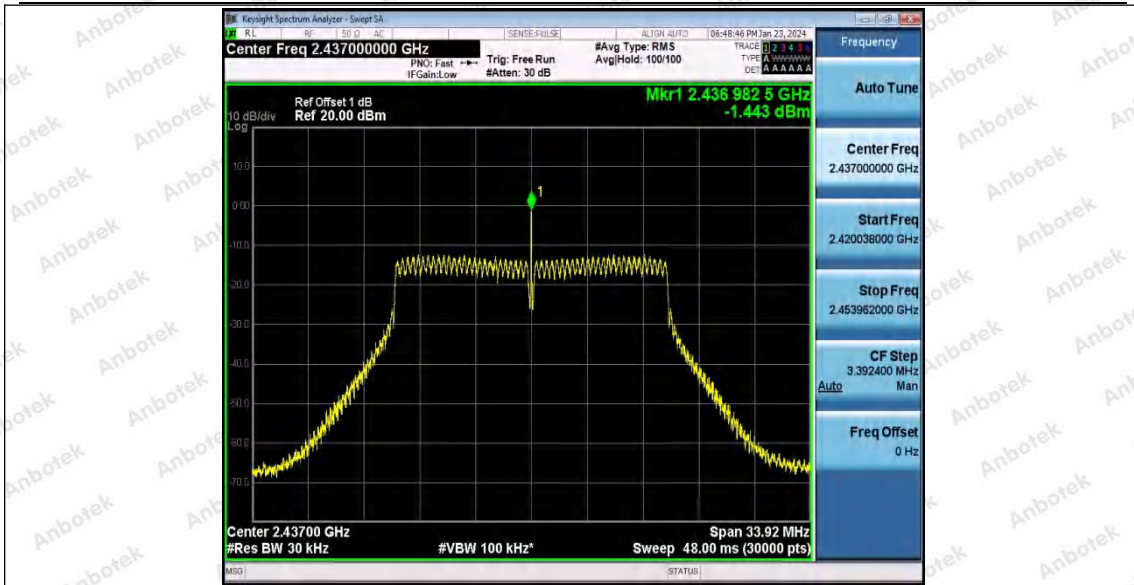
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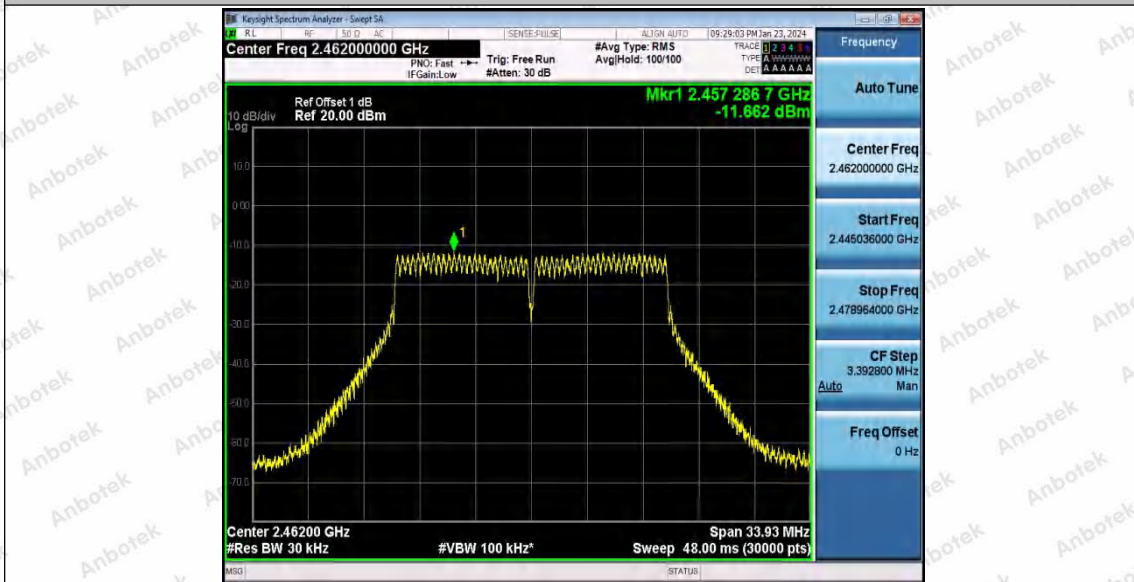
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11G\_Ant1\_2462



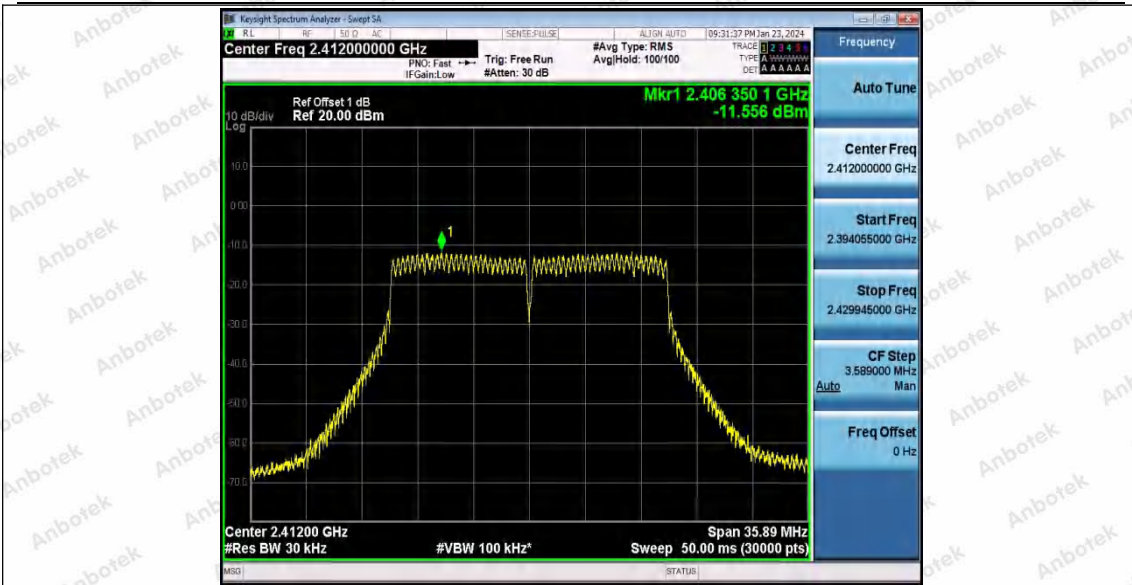
11N20SISO\_Ant1\_2412

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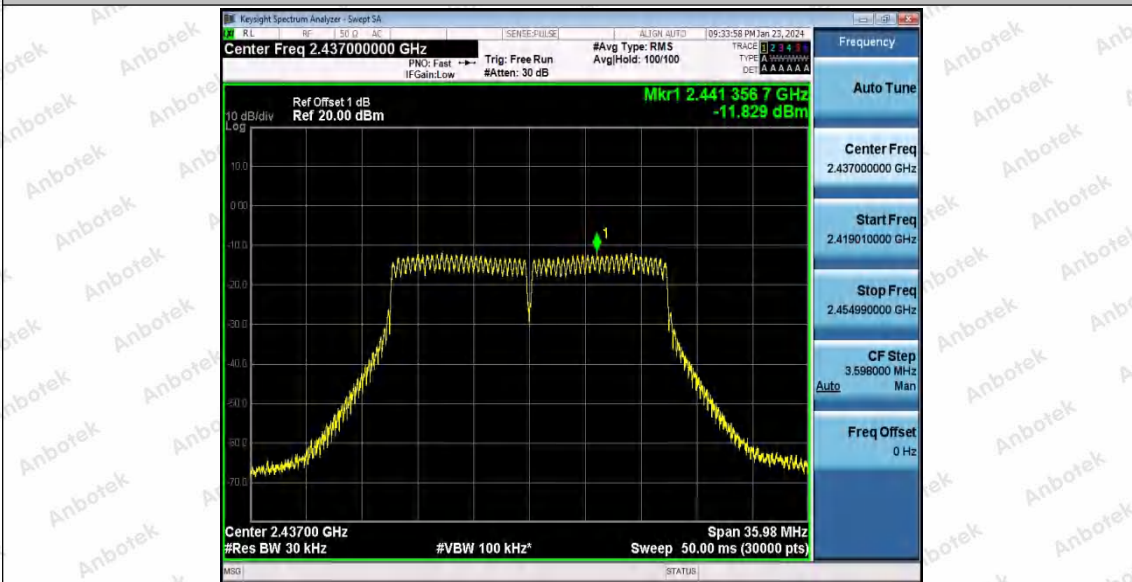
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11N20SISO\_Ant1\_2437



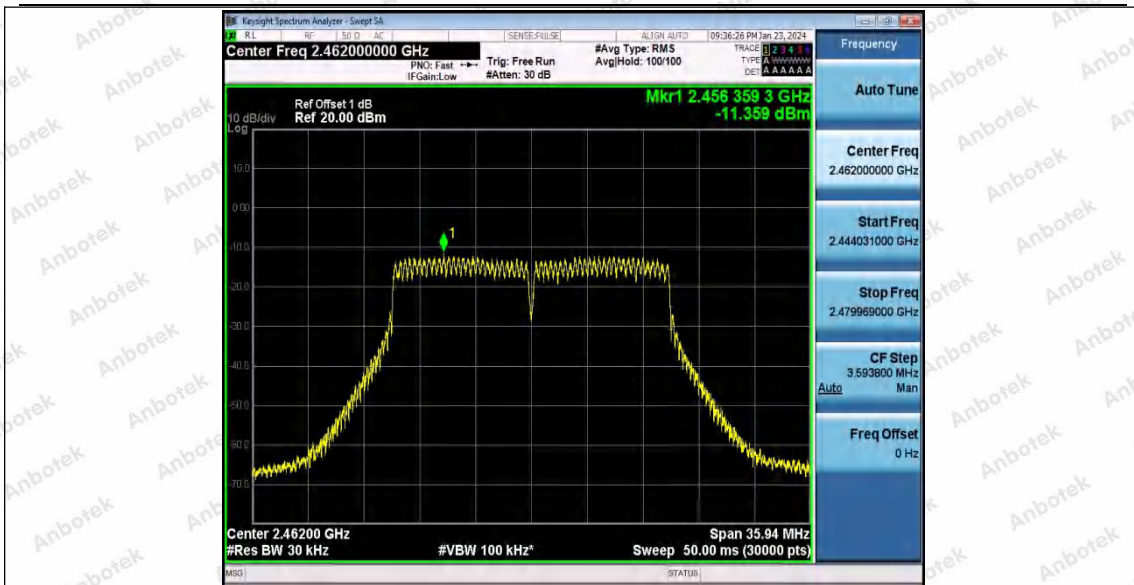
11N20SISO\_Ant1\_2462

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11N40SISO\_Ant1\_2422



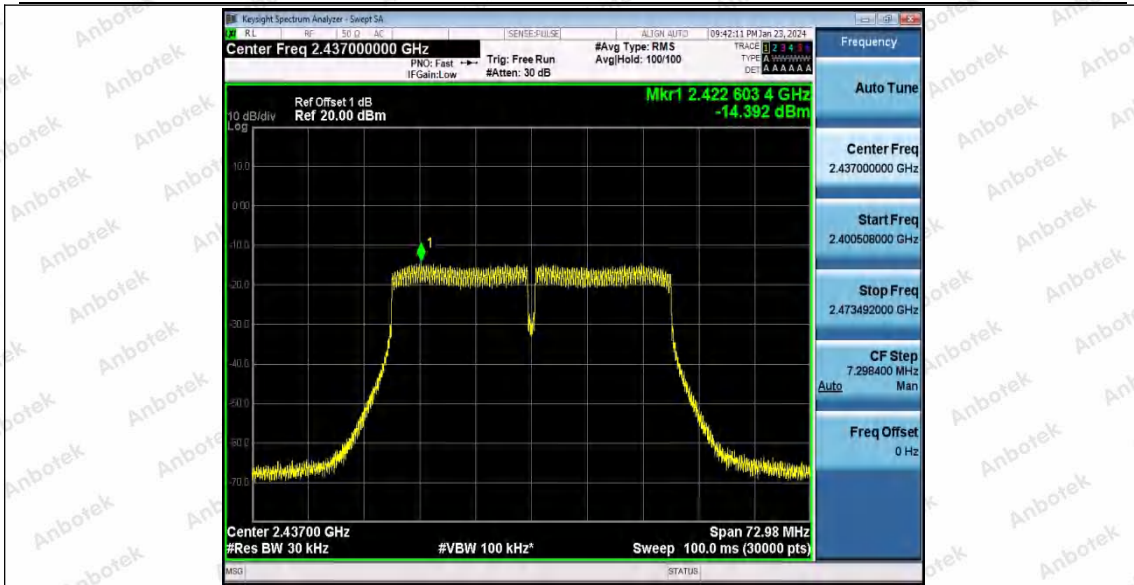
11N40SISO\_Ant1\_2437

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11N40SISO\_Ant1\_2452



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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	3.40	-41.17	≤-26.6	PASS
		High	2462	2.79	-56.19	≤-27.21	PASS
11G	Ant1	Low	2412	0.45	-38.39	≤-29.55	PASS
		High	2462	-1.30	-54.55	≤-31.3	PASS
11N20SISO	Ant1	Low	2412	-0.39	-38.71	≤-30.39	PASS
		High	2462	-2.03	-52.74	≤-32.03	PASS
11N40SISO	Ant1	Low	2422	-4.26	-39.37	≤-34.26	PASS
		High	2452	-4.68	-50.77	≤-34.68	PASS

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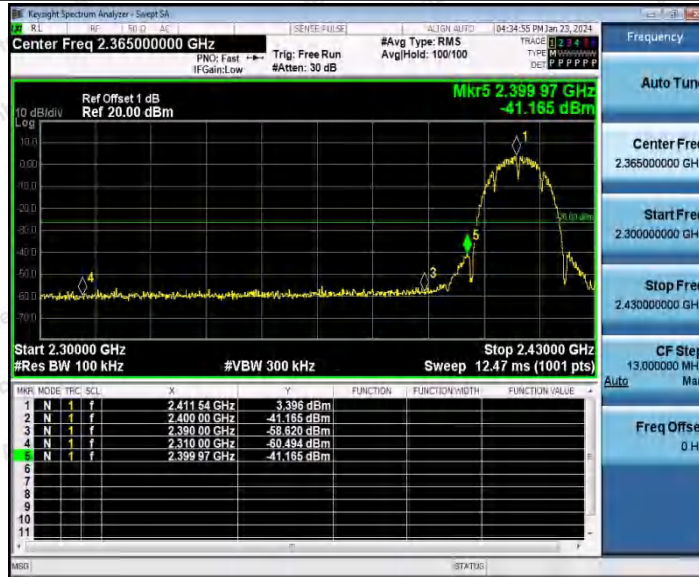


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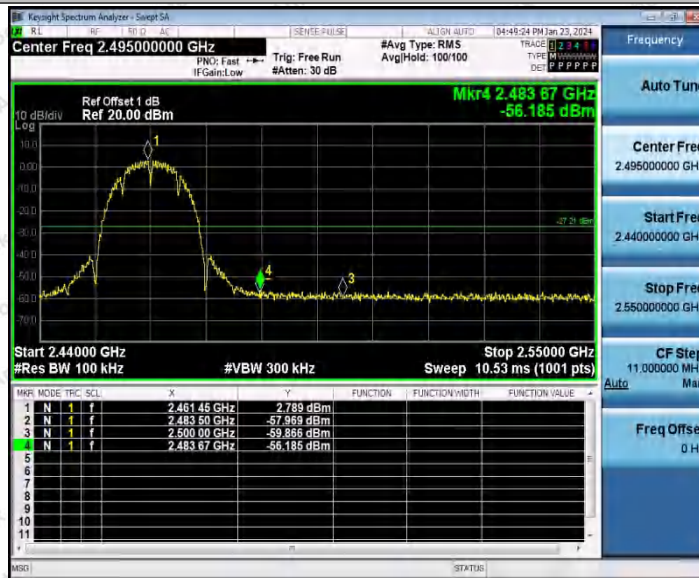


## Test Graphs

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



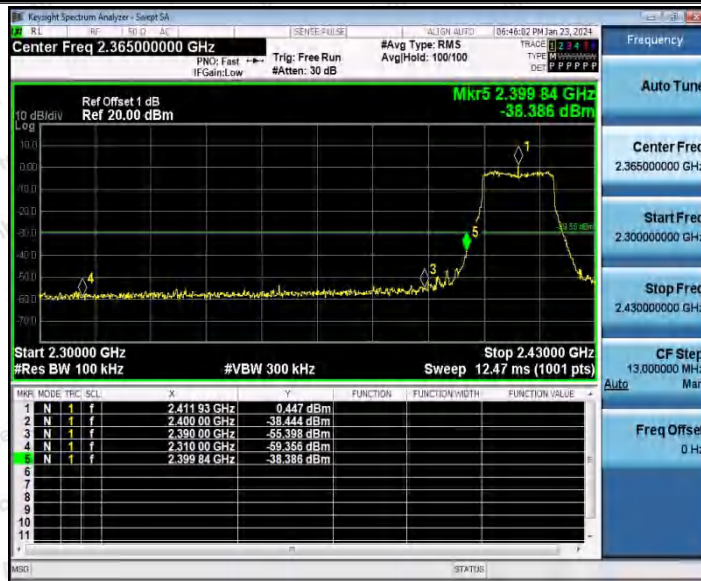
11G\_Ant1\_Low\_2412

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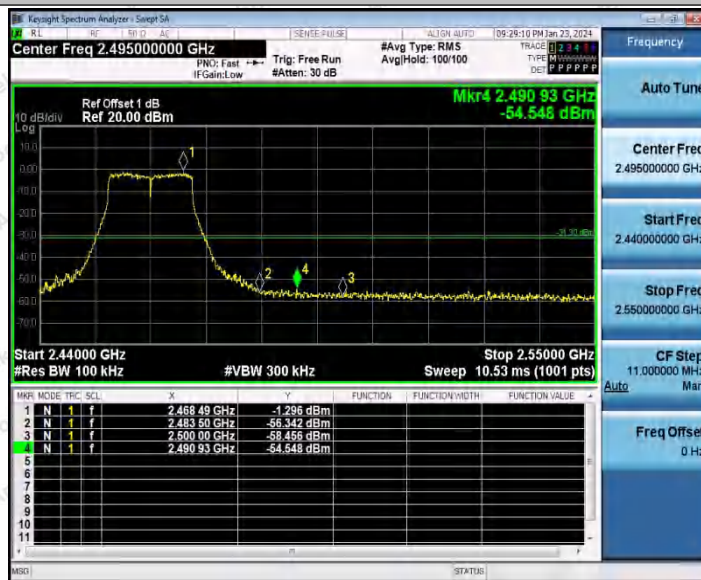
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11G\_Ant1\_High\_2462



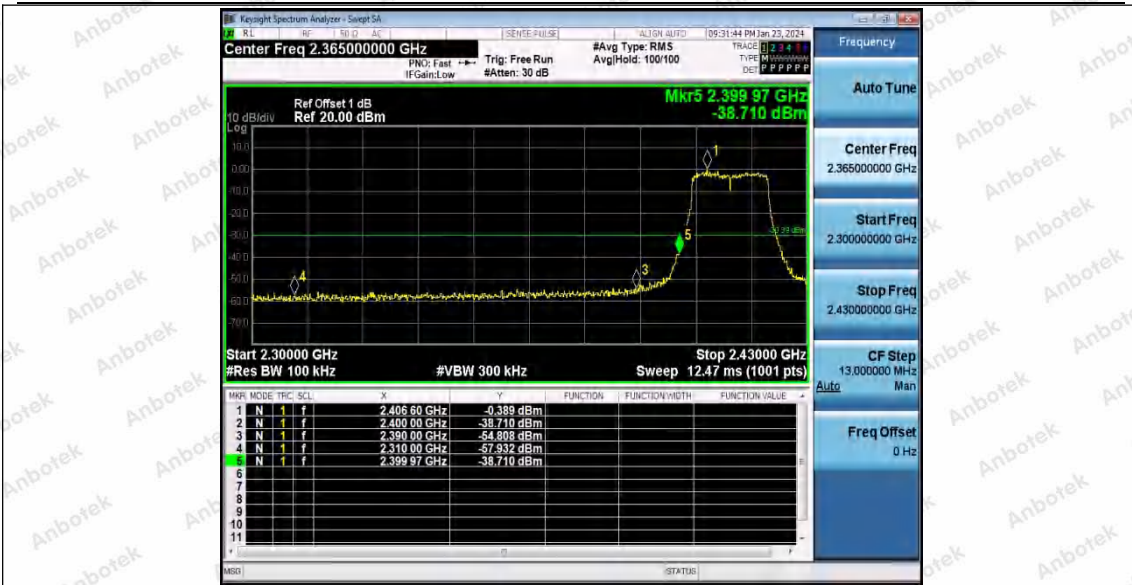
11N20SISO\_Ant1\_Low\_2412

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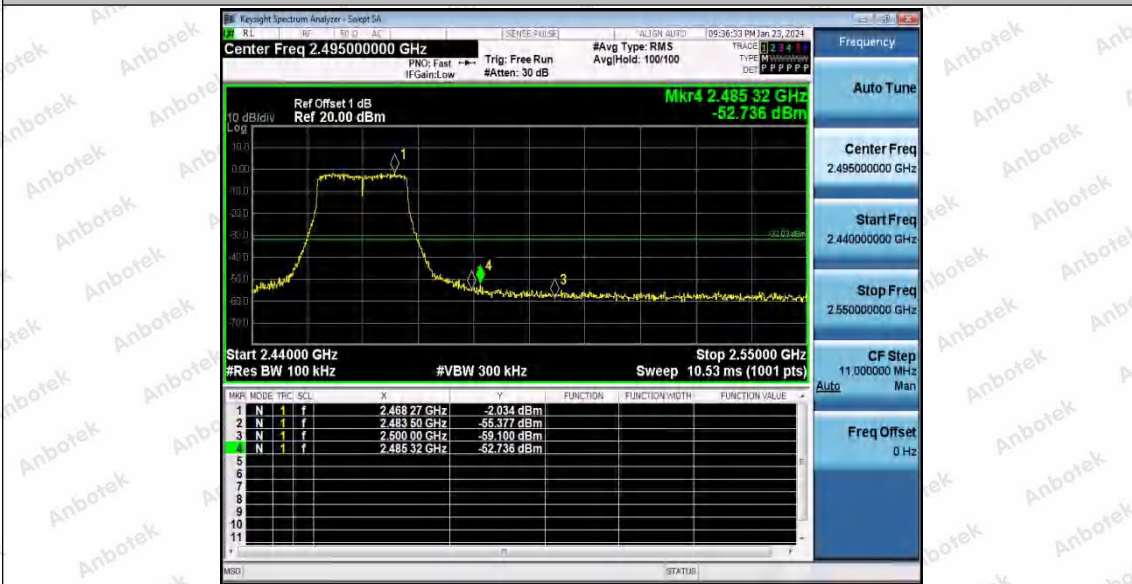
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_High\_2462



11N40SISO\_Ant1\_Low\_2422

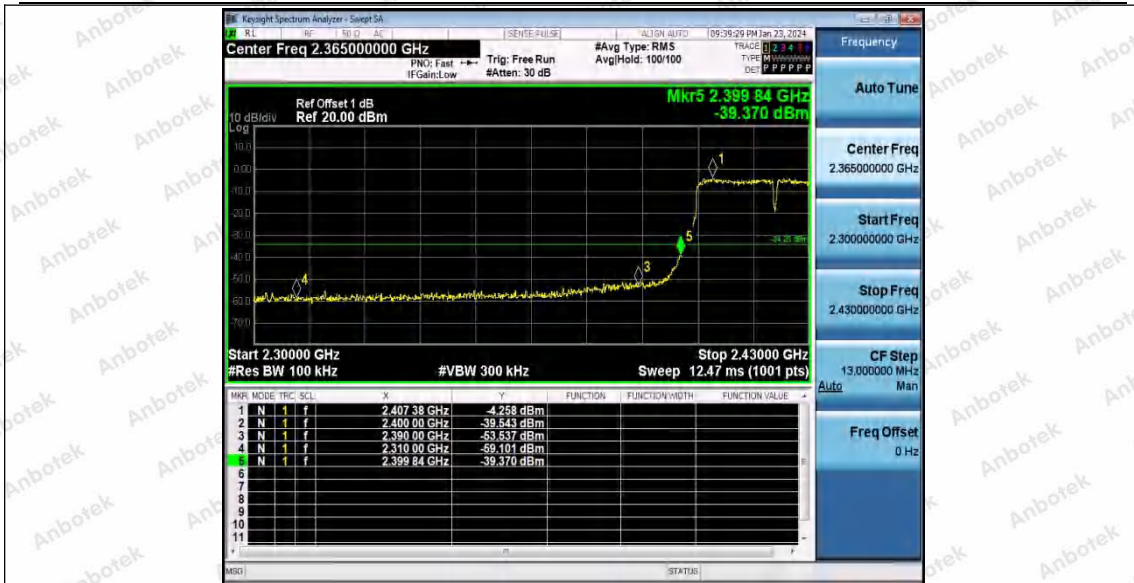
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11N40SISO\_Ant1\_High\_2452



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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	3.21	3.21	---	PASS
			30~1000	3.21	-67.26	≤-26.79	PASS
			1000~26500	3.21	-53.63	≤-26.79	PASS
		2437	Reference	2.41	2.41	---	PASS
			30~1000	2.41	-67.77	≤-27.59	PASS
			1000~26500	2.41	-53.54	≤-27.59	PASS
		2462	Reference	2.67	2.67	---	PASS
			30~1000	2.67	-68.81	≤-27.33	PASS
			1000~26500	2.67	-53.58	≤-27.33	PASS
11G	Ant1	2412	Reference	-0.33	-0.33	---	PASS
			30~1000	-0.33	-67.15	≤-30.33	PASS
			1000~26500	-0.33	-53.23	≤-30.33	PASS
		2437	Reference	-0.58	-0.58	---	PASS
			30~1000	-0.58	-67.47	≤-30.58	PASS
			1000~26500	-0.58	-53.46	≤-30.58	PASS
		2462	Reference	-1.89	-1.89	---	PASS
			30~1000	-1.89	-68.08	≤-31.89	PASS
			1000~26500	-1.89	-53.62	≤-31.89	PASS
11N20SISO	Ant1	2412	Reference	-1.67	-1.67	---	PASS
			30~1000	-1.67	-67.39	≤-31.67	PASS
			1000~26500	-1.67	-51.65	≤-31.67	PASS
		2437	Reference	-1.81	-1.81	---	PASS
			30~1000	-1.81	-68.62	≤-31.81	PASS
			1000~26500	-1.81	-53.3	≤-31.81	PASS
		2462	Reference	-1.18	-1.18	---	PASS
			30~1000	-1.18	-68.75	≤-31.18	PASS
			1000~26500	-1.18	-53.45	≤-31.18	PASS
11N40SISO	Ant1	2422	Reference	-4.69	-4.69	---	PASS
			30~1000	-4.69	-68.25	≤-34.69	PASS
			1000~26500	-4.69	-53.39	≤-34.69	PASS
		2437	Reference	-4.70	-4.70	---	PASS
			30~1000	-4.70	-67.86	≤-34.7	PASS
			1000~26500	-4.70	-53.61	≤-34.7	PASS
		2452	Reference	-4.64	-4.64	---	PASS
			30~1000	-4.64	-67.43	≤-34.64	PASS

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			1000~26500	-4.64	-54	≤-34.64	PASS
--	--	--	------------	-------	-----	---------	------

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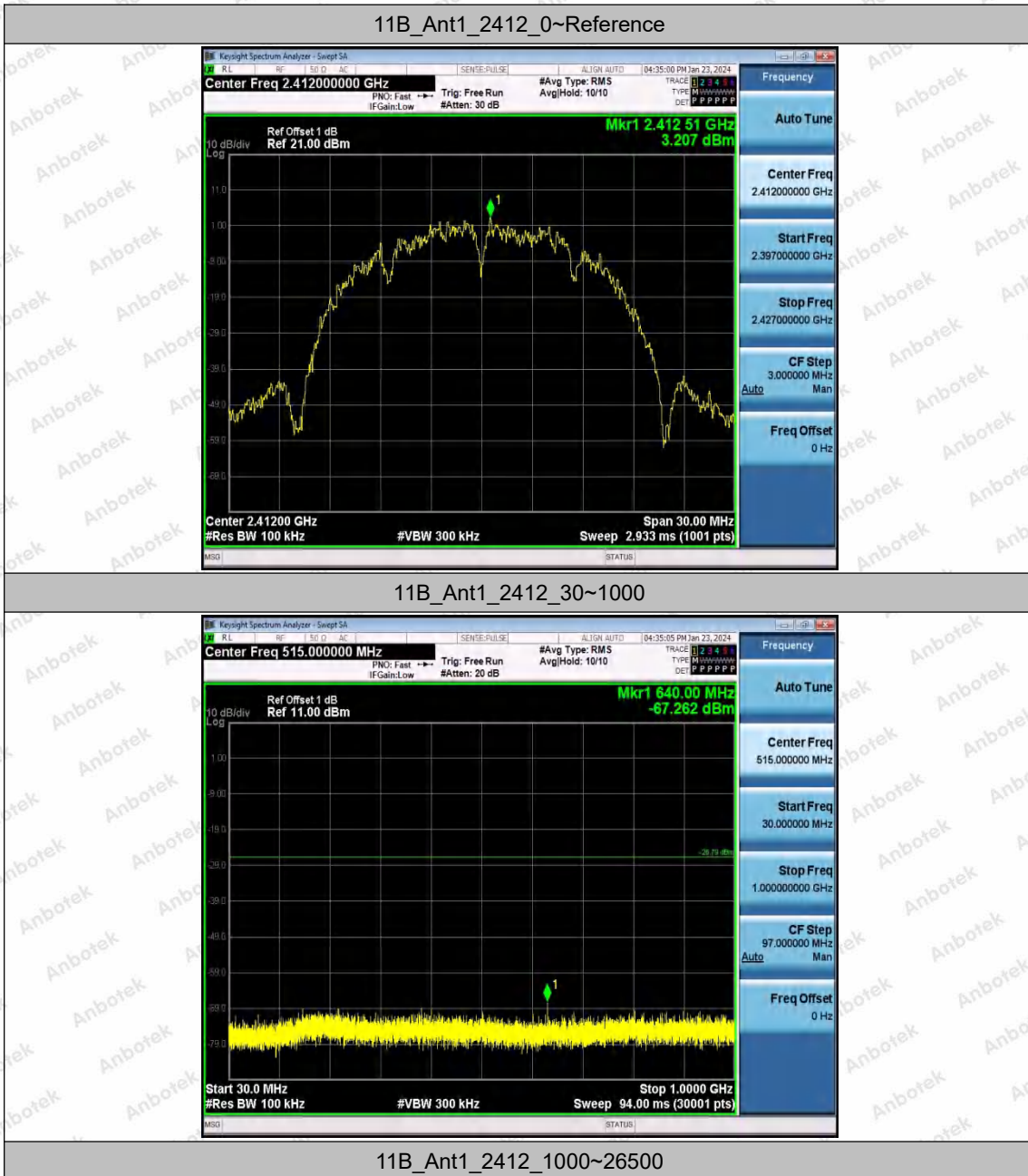
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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## Test Graphs

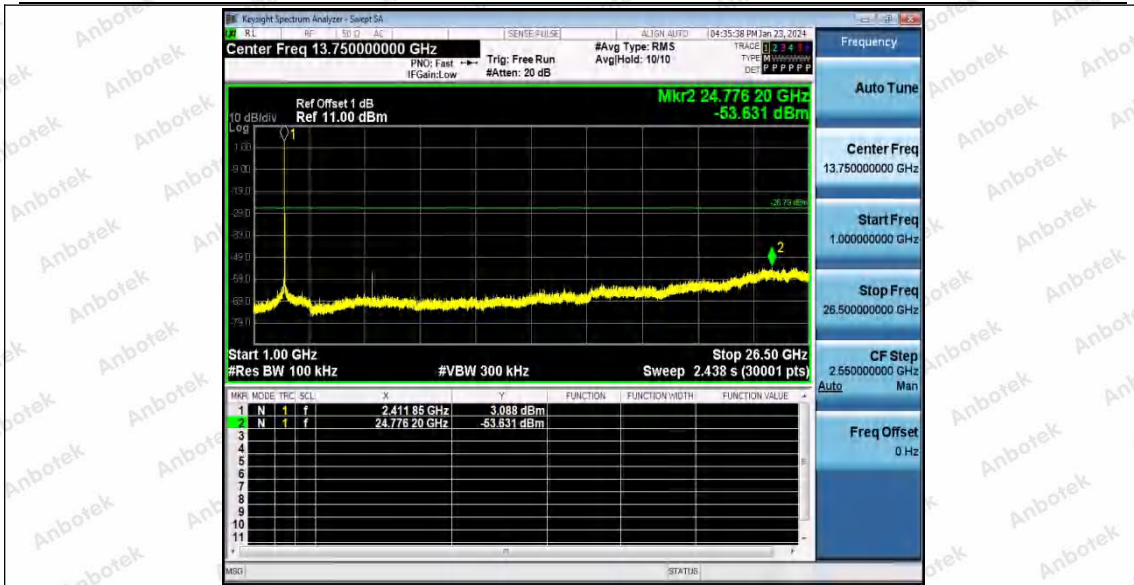


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11B\_Ant1\_2437\_0~Reference



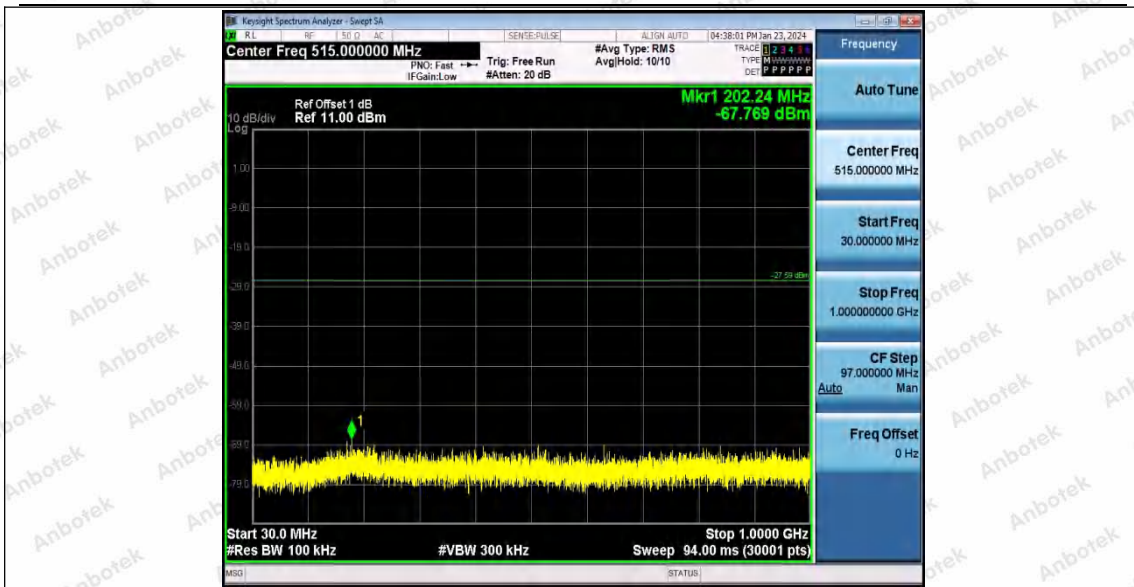
11B\_Ant1\_2437\_30~1000

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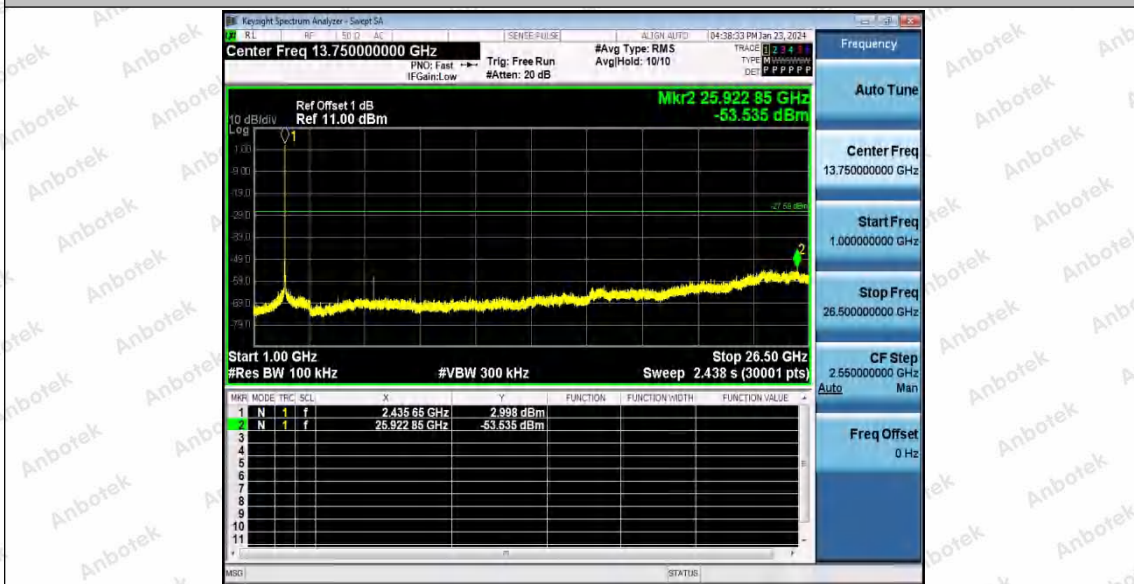
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11B\_Ant1\_2437\_1000~26500



11B\_Ant1\_2462\_0~Reference

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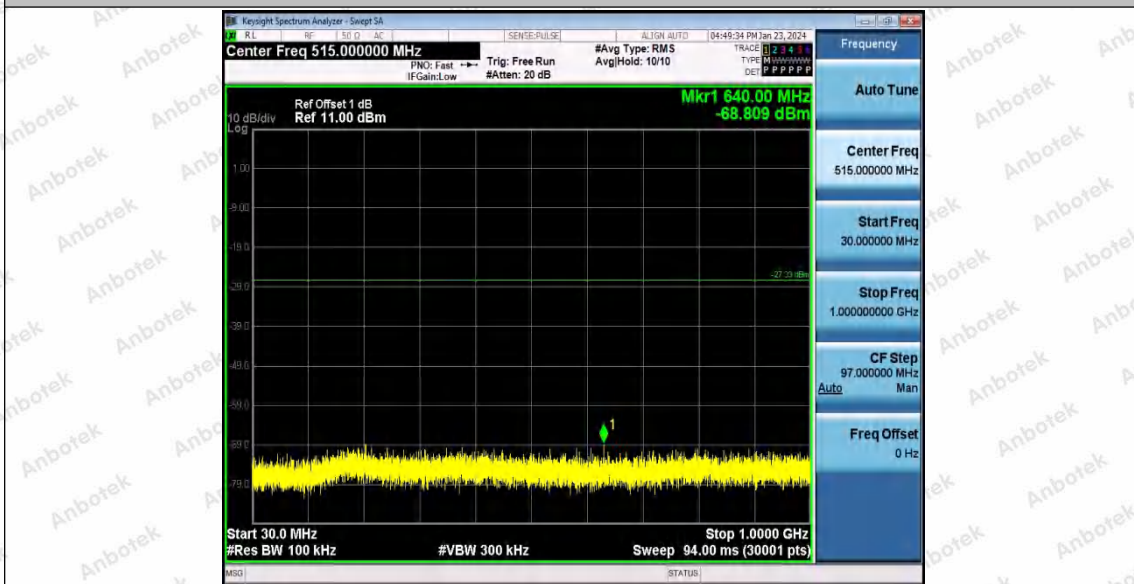
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11B\_Ant1\_2462\_30~1000



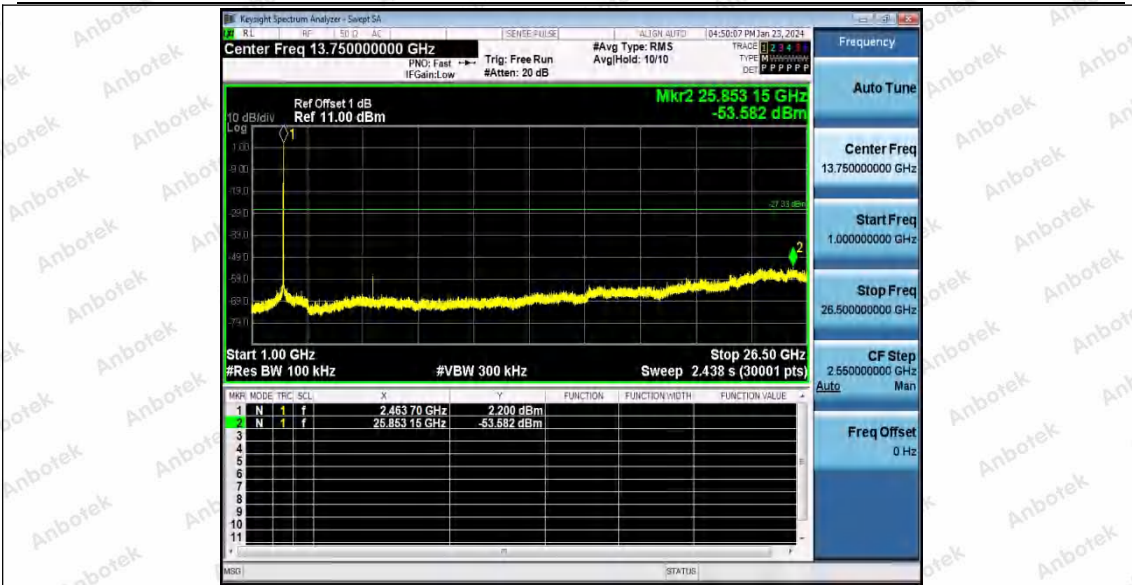
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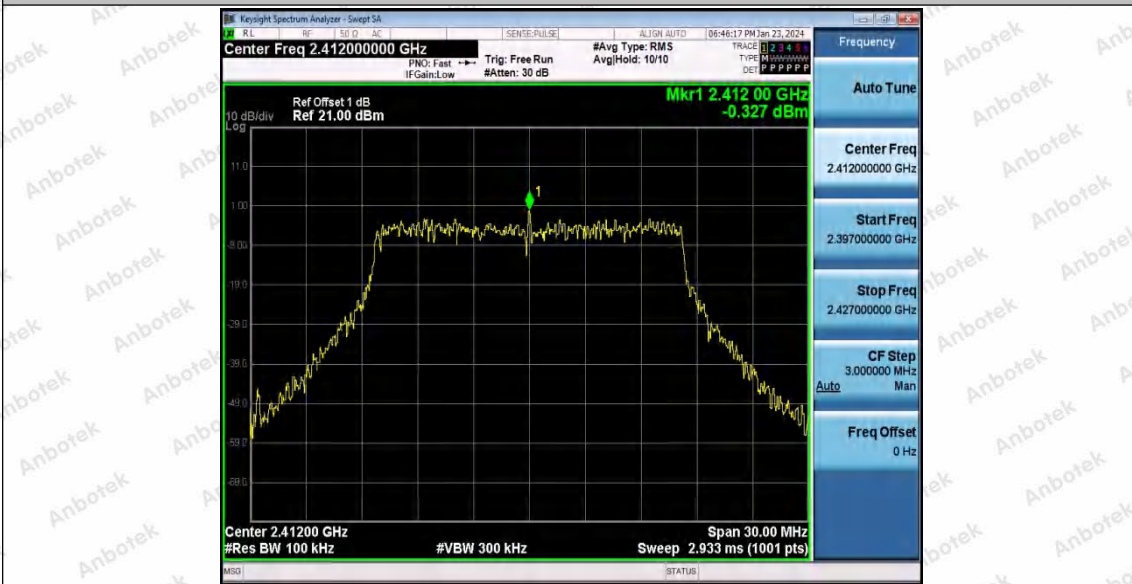
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2412\_0~Reference



11G\_Ant1\_2412\_30~1000

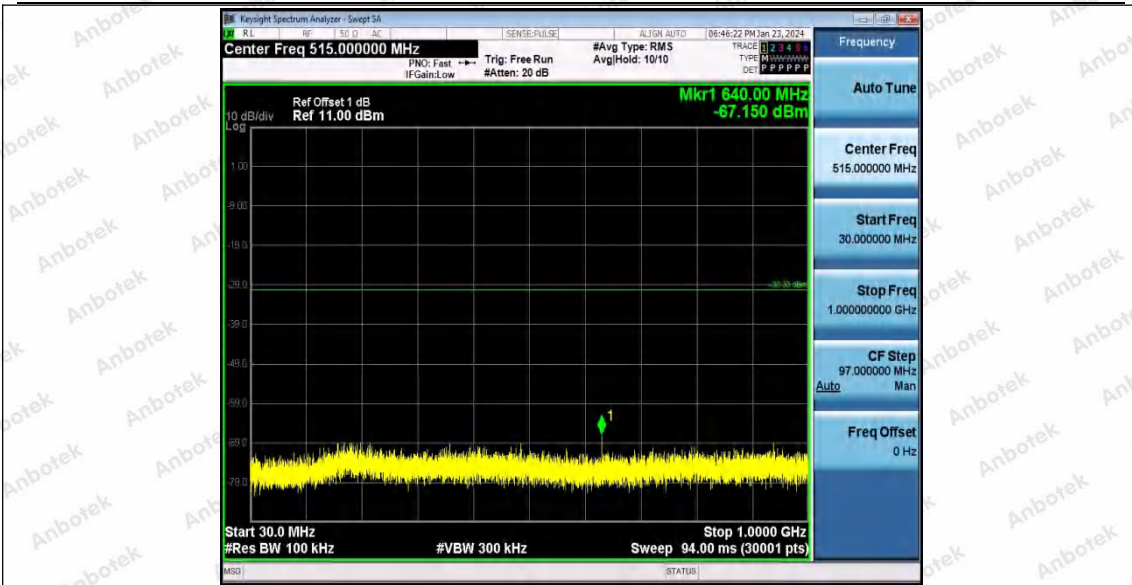
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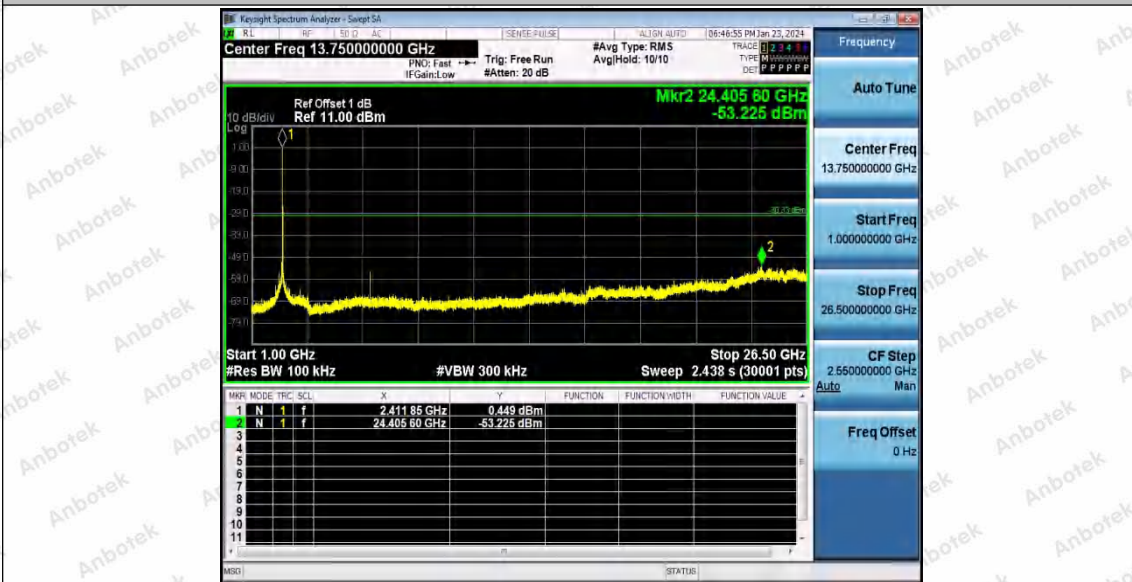
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11G\_Ant1\_2412\_1000~26500



11G\_Ant1\_2437\_0~Reference

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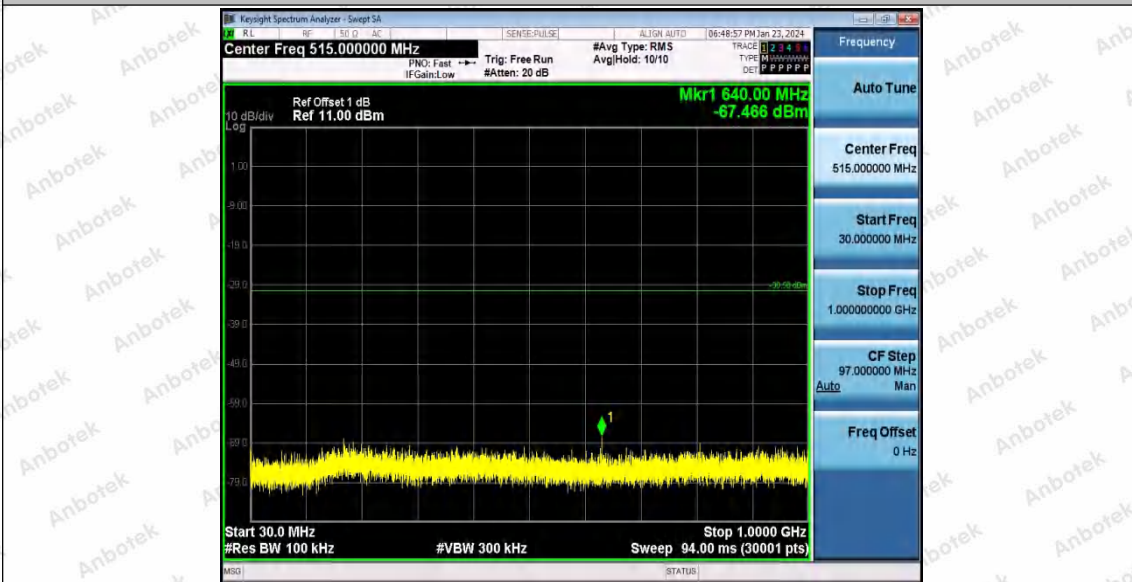
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11G\_Ant1\_2437\_30~1000



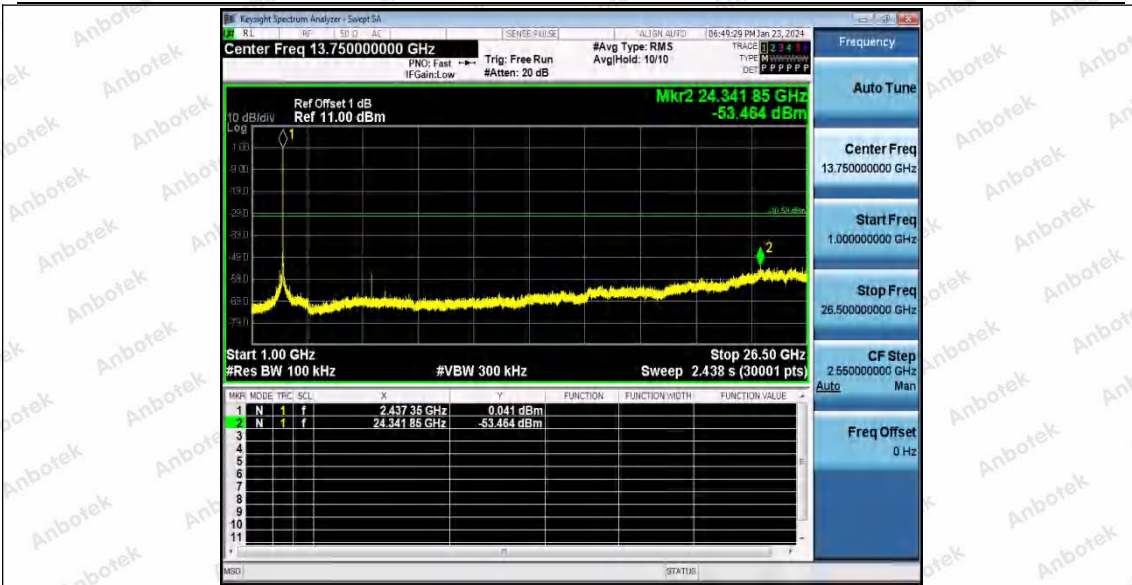
11G\_Ant1\_2437\_1000~26500

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11G\_Ant1\_2462\_0~Reference



11G\_Ant1\_2462\_30~1000

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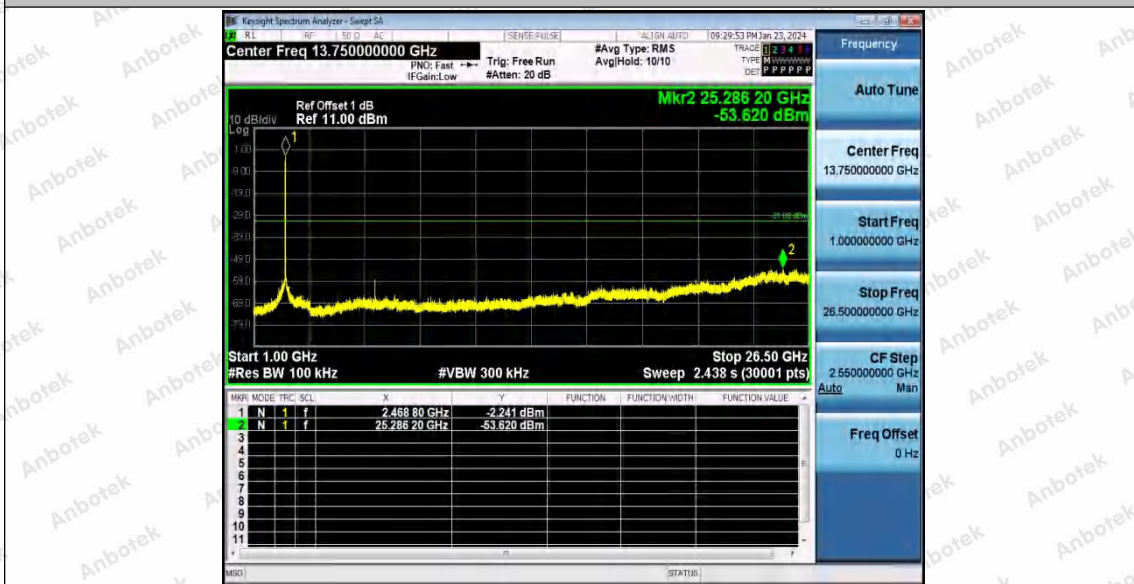
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference

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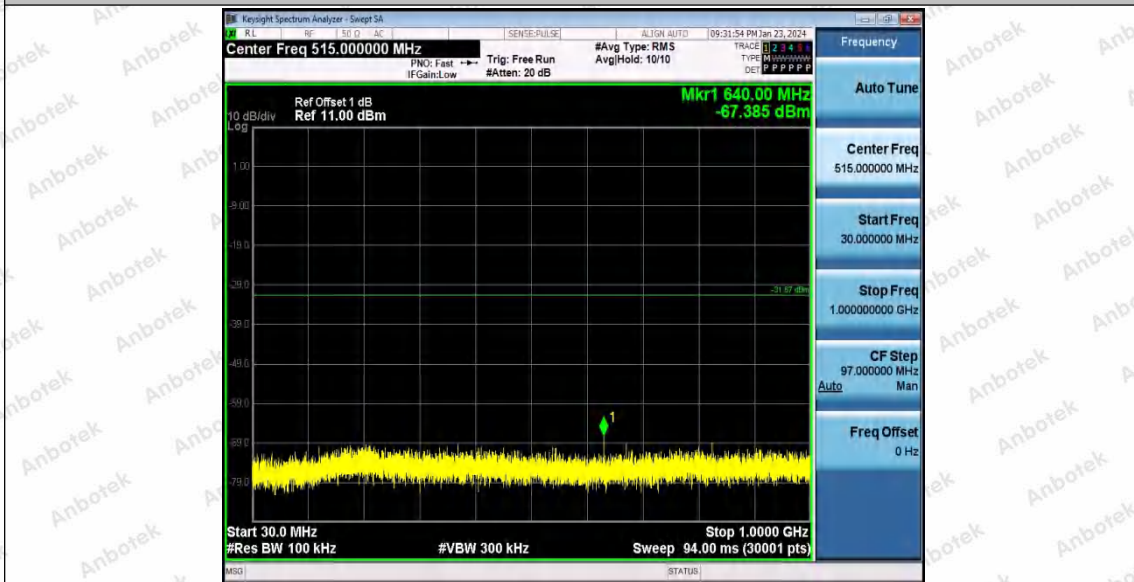
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11N20SISO\_Ant1\_2412\_30~1000



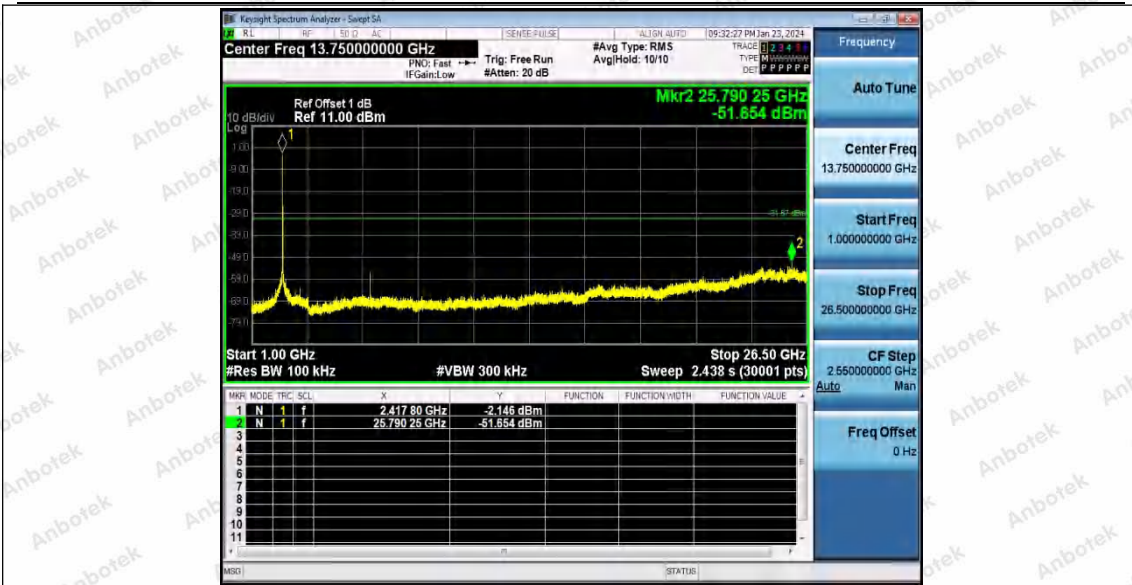
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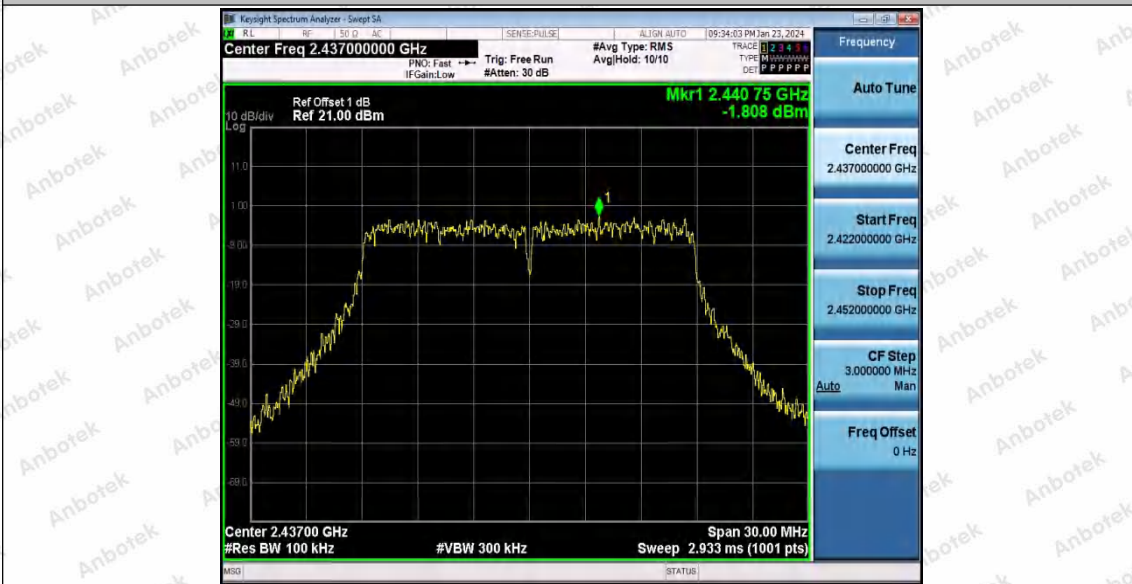
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11N20SISO\_Ant1\_2437\_0~Reference



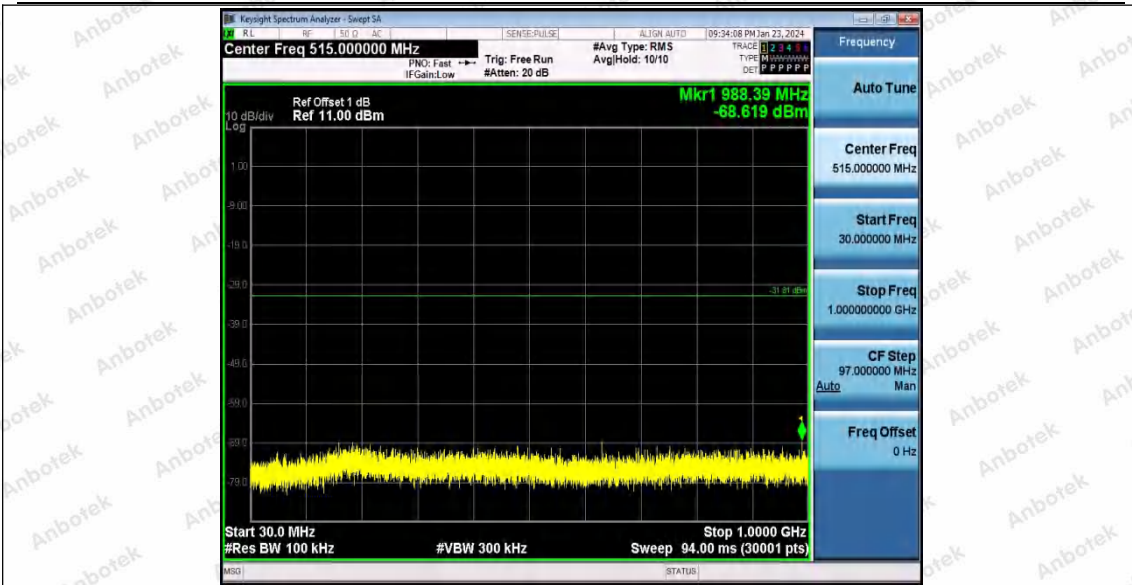
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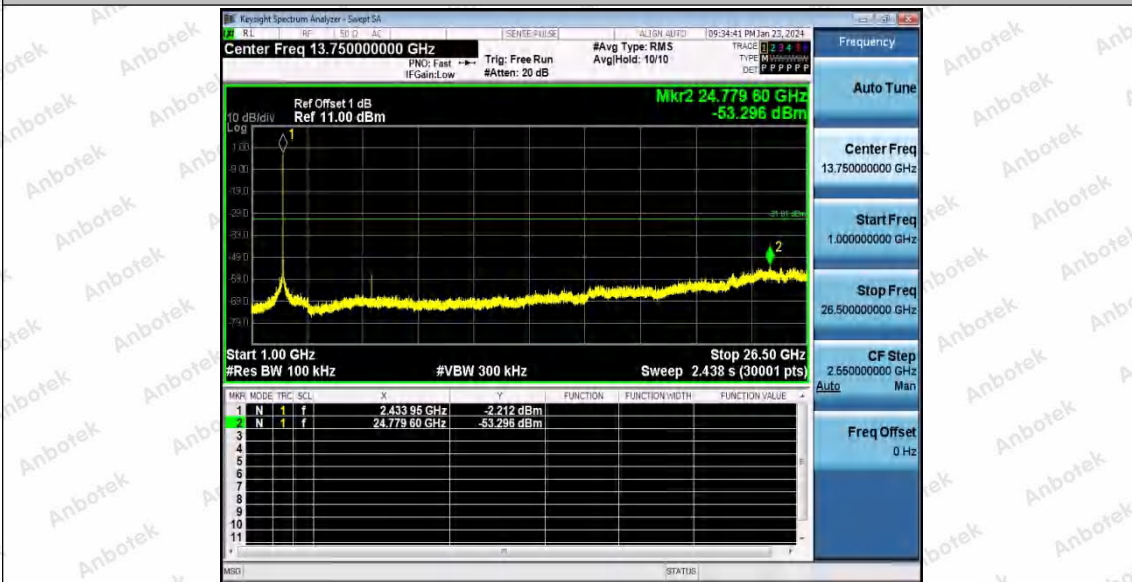
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference

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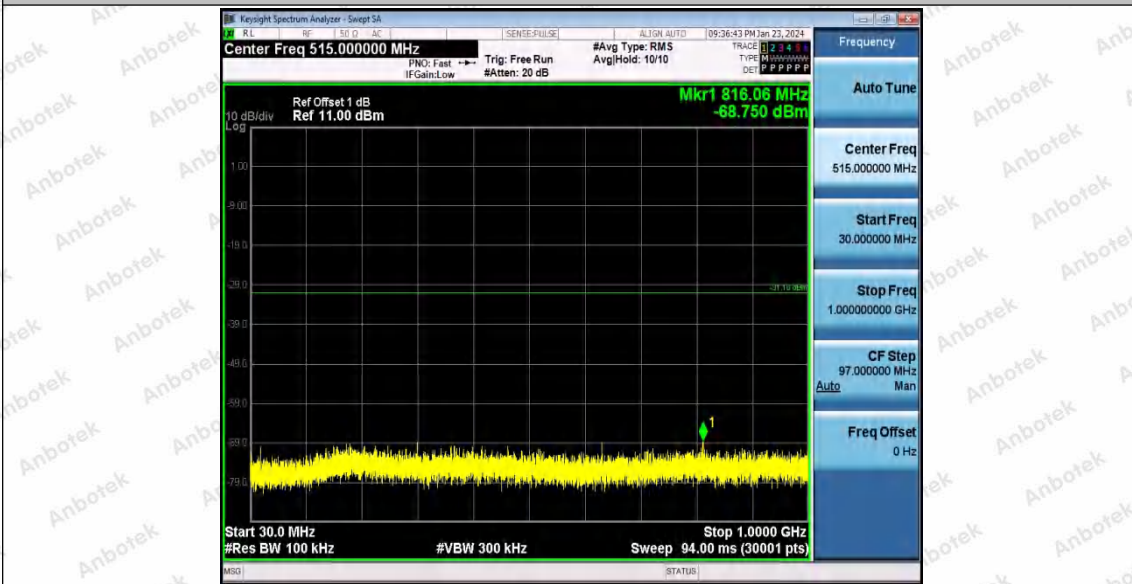
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2462\_30~1000



11N20SISO\_Ant1\_2462\_1000~26500

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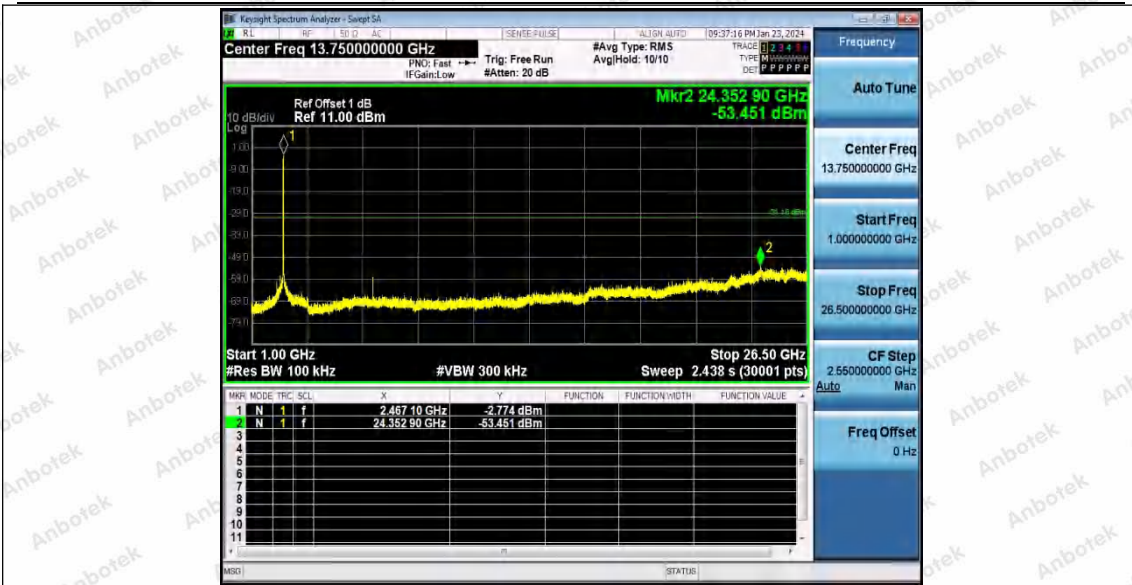
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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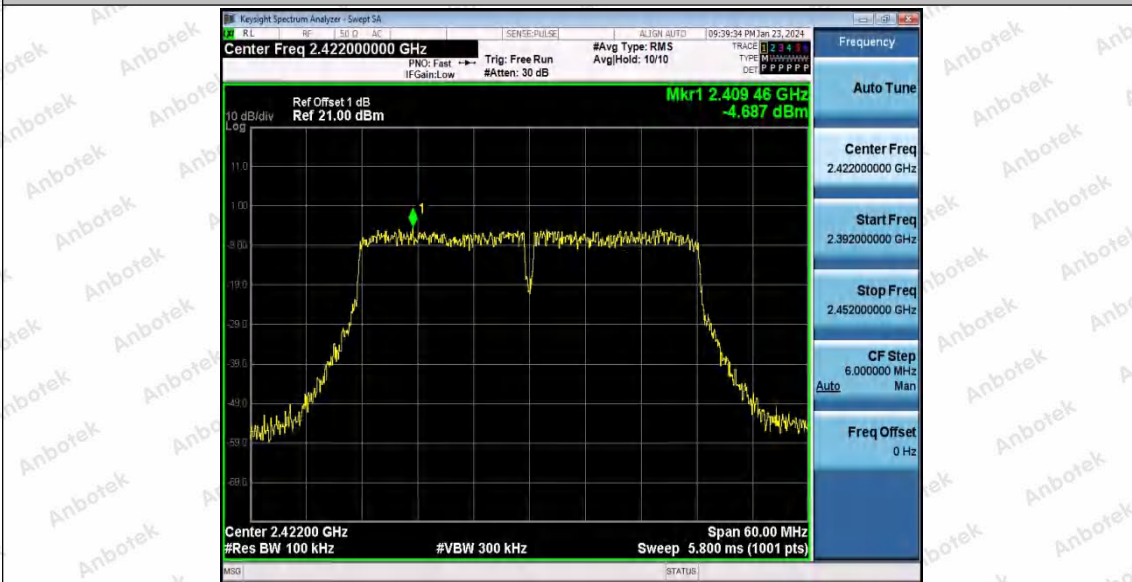
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11N40SISO\_Ant1\_2422\_0~Reference



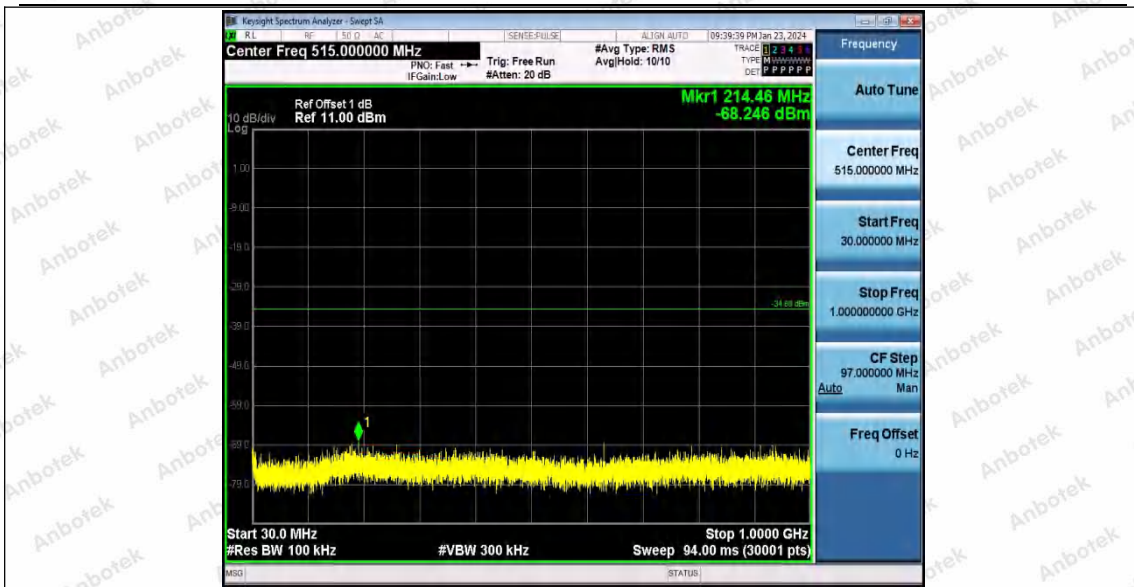
11N40SISO\_Ant1\_2422\_30~1000

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11N40SISO\_Ant1\_2422\_1000~26500



11N40SISO\_Ant1\_2437\_0~Reference

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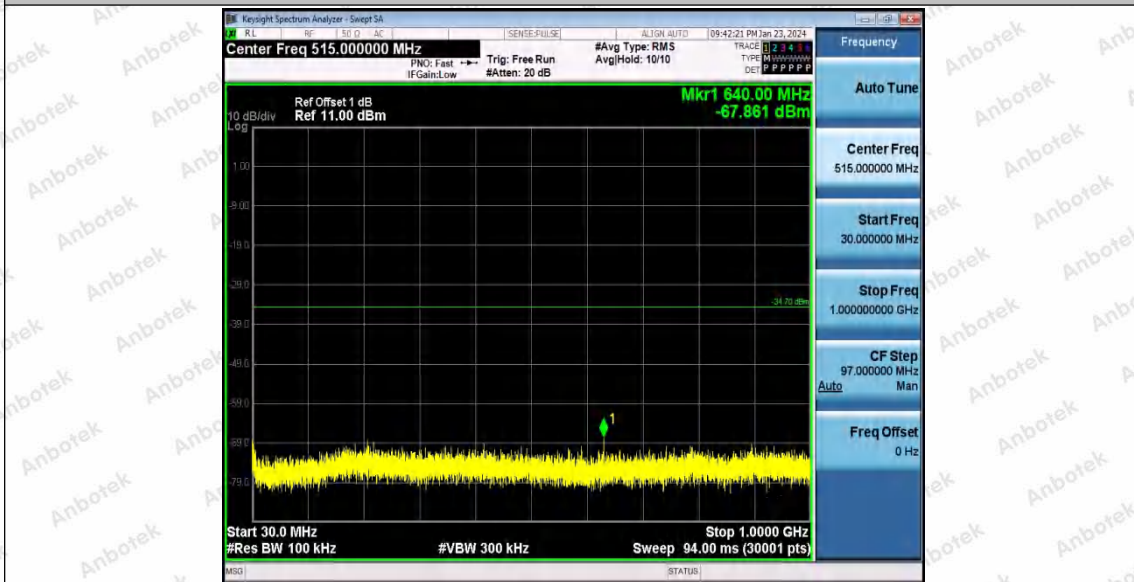
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2437\_30~1000



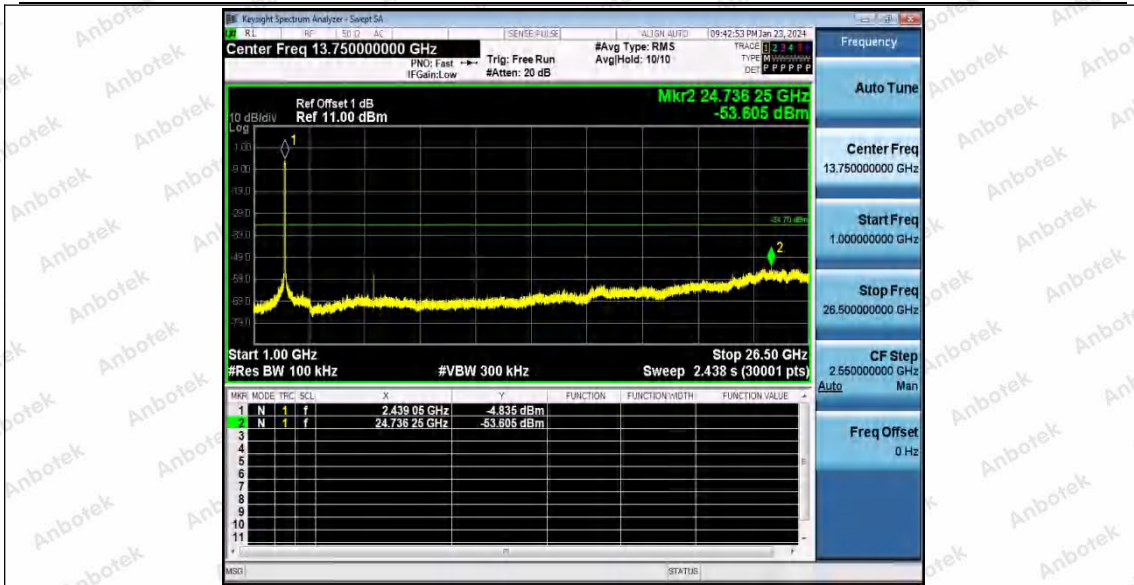
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11N40SISO\_Ant1\_2452\_0~Reference



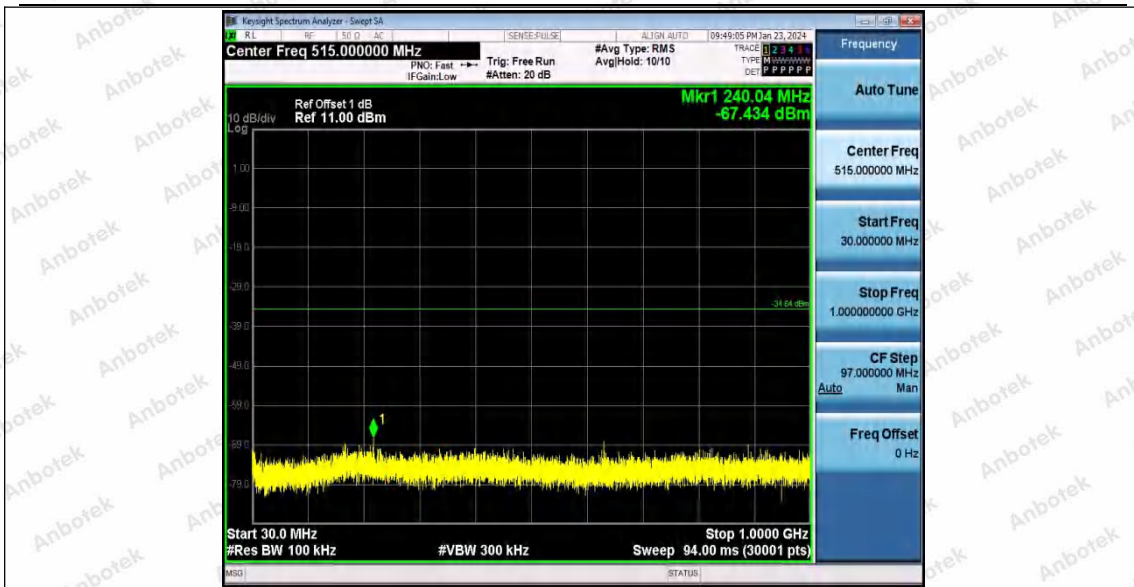
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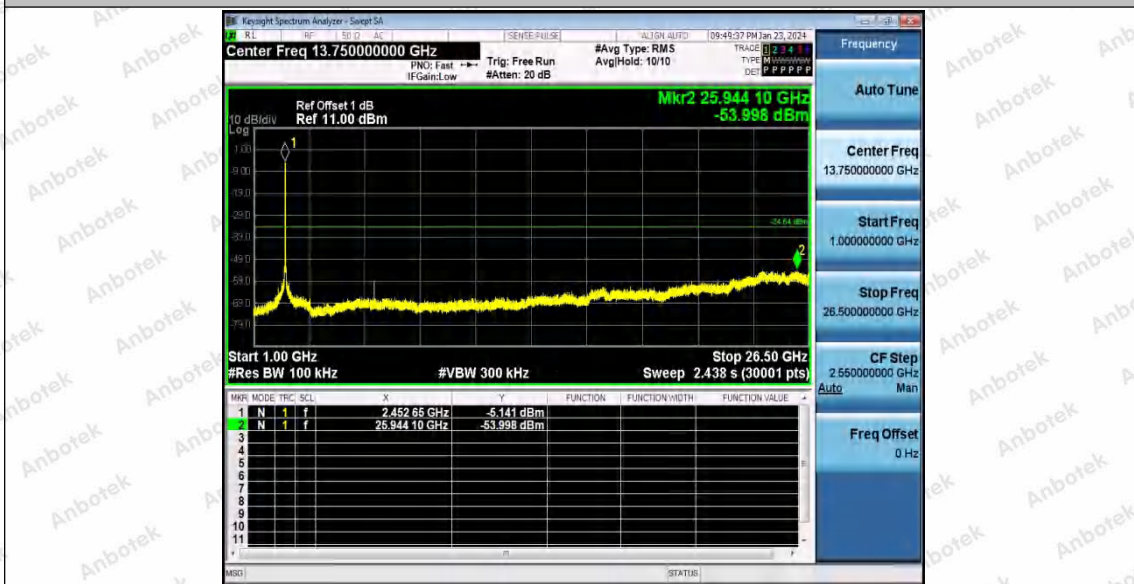
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2452\_1000~26500



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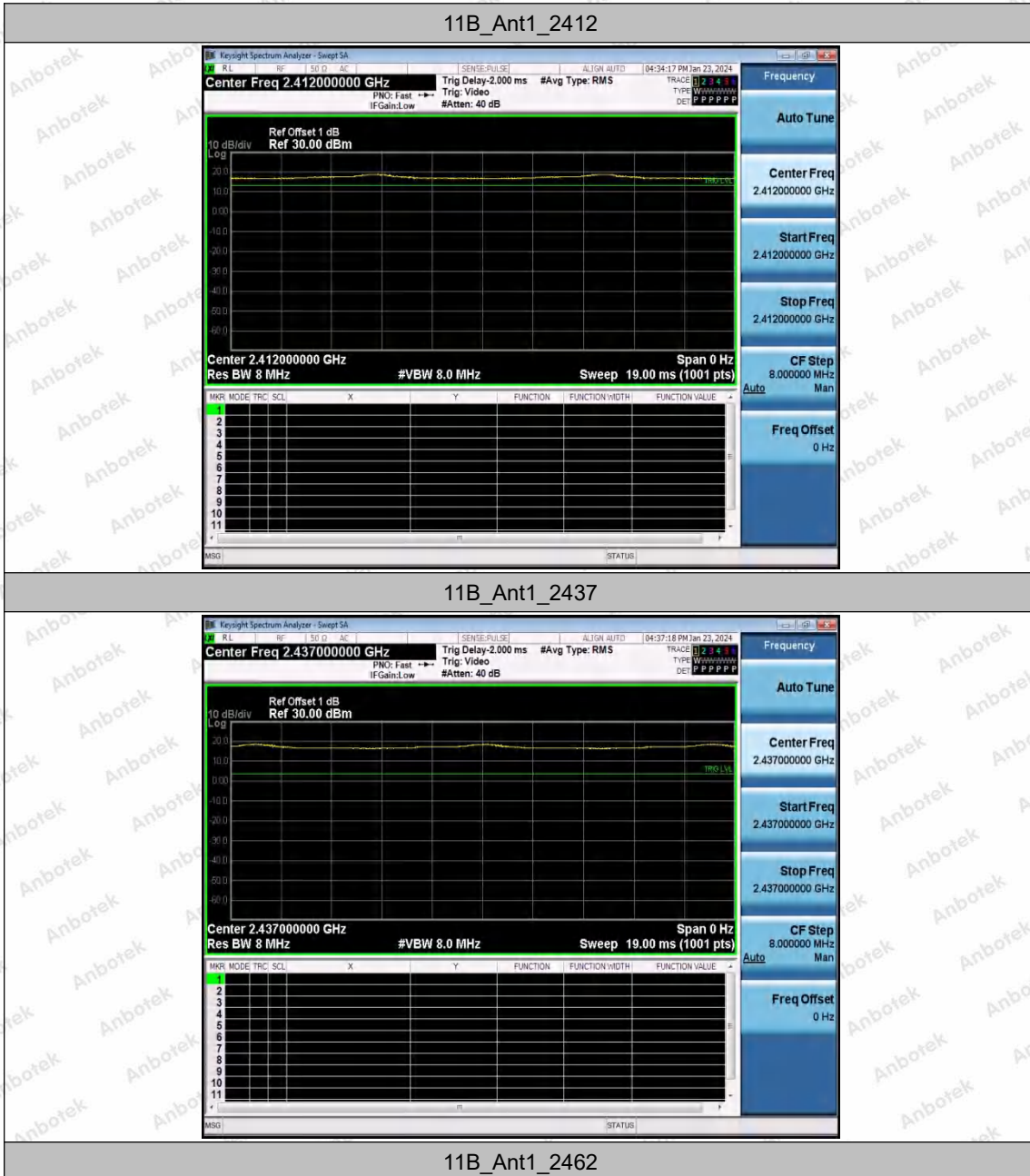
## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	19.00	19.00	100.00	0.00
		2437	19.00	19.00	100.00	0.00
		2462	19.00	19.00	100.00	0.00
11G	Ant1	2412	19.00	19.00	100.00	0.00
		2437	19.00	19.00	100.00	0.00
		2462	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2412	19.00	19.00	100.00	0.00
		2437	19.00	19.00	100.00	0.00
		2462	19.00	19.00	100.00	0.00
11N40SISO	Ant1	2422	19.00	19.00	100.00	0.00
		2437	19.00	19.00	100.00	0.00
		2452	19.00	19.00	100.00	0.00



## Test Graphs

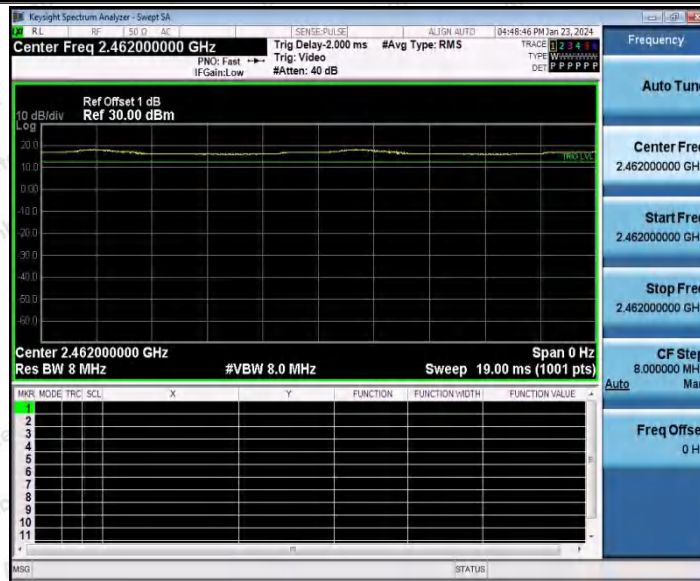


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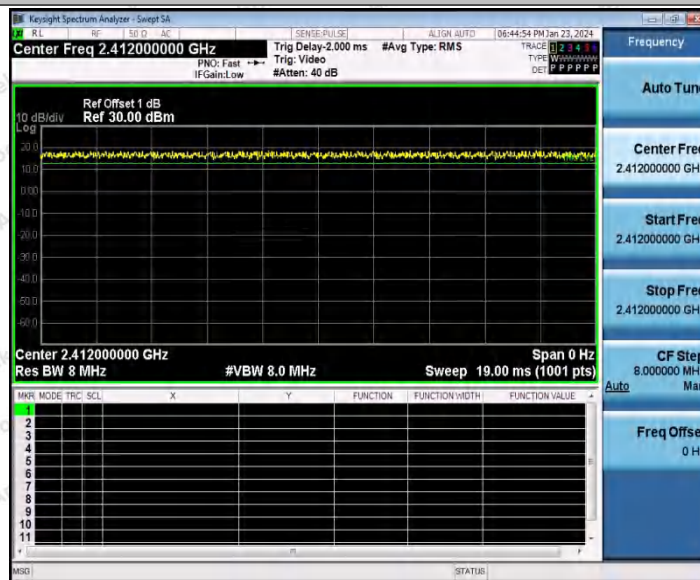
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11G\_Ant1\_2412



11G\_Ant1\_2437

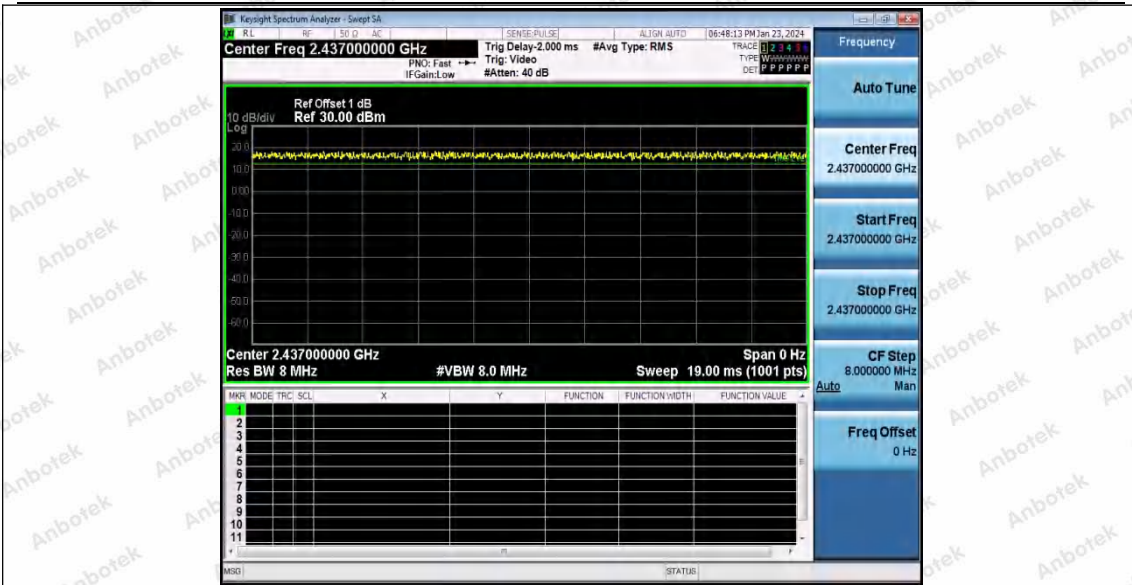
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

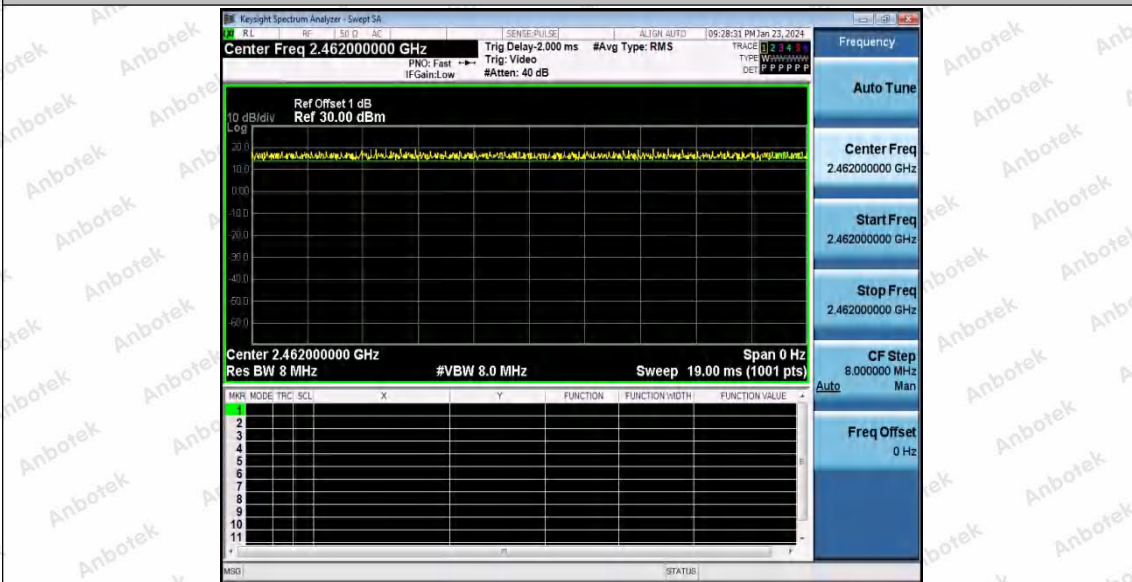
Hotline 400-003-0500  
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11G\_Ant1\_2462



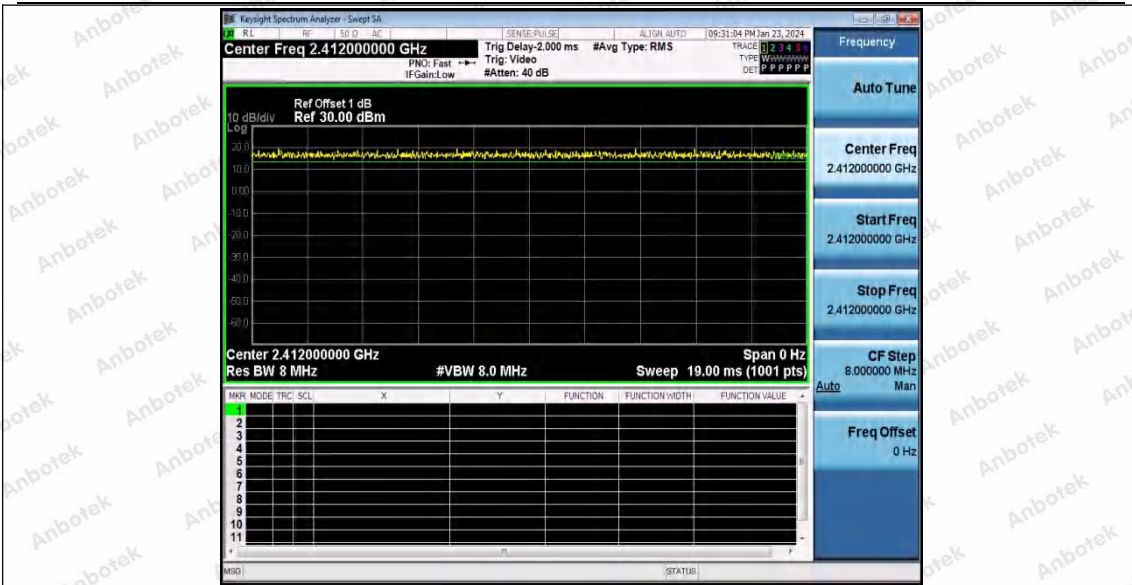
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## Shenzhen Anbotek Compliance Laboratory Limited

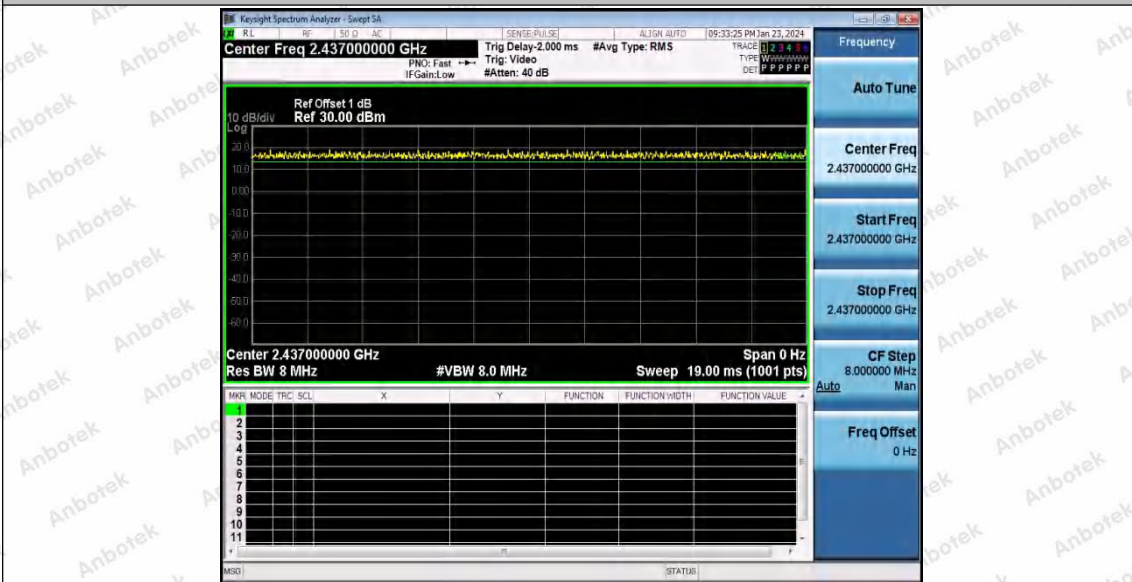
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2437



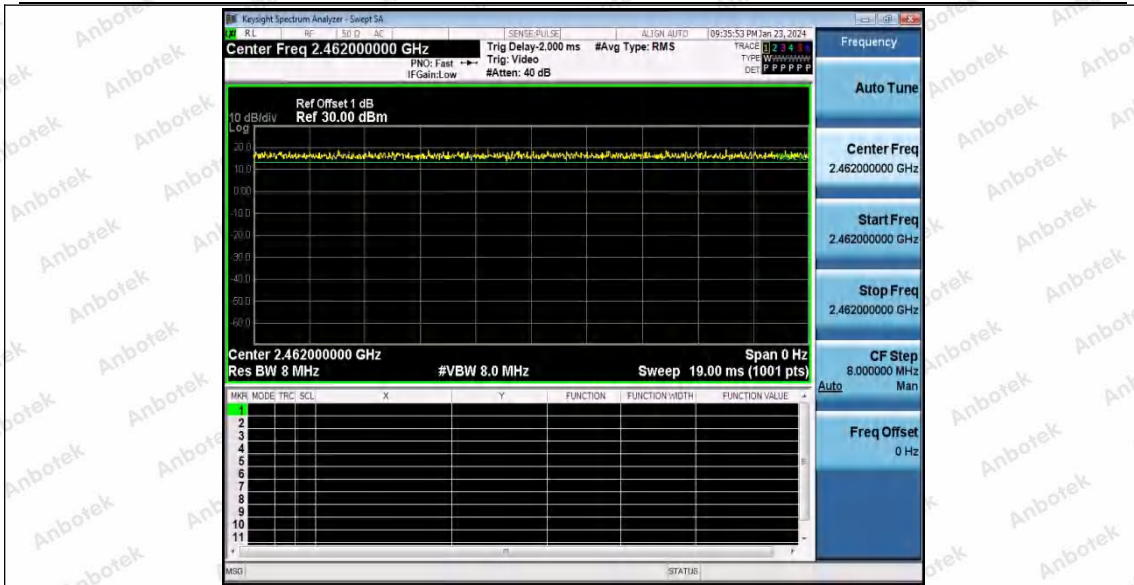
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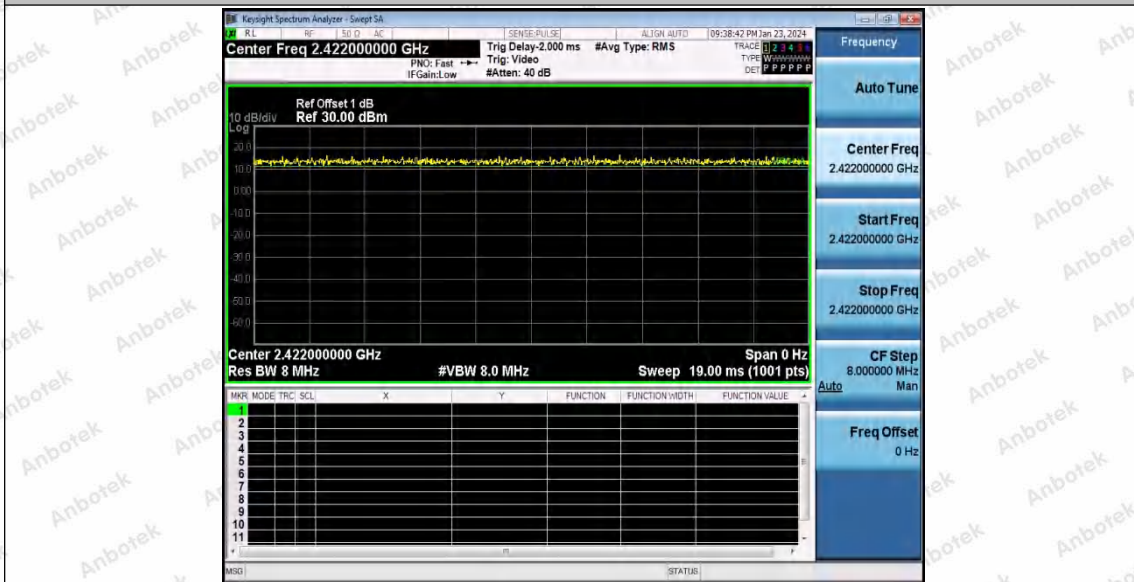
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11N40SISO\_Ant1\_2422



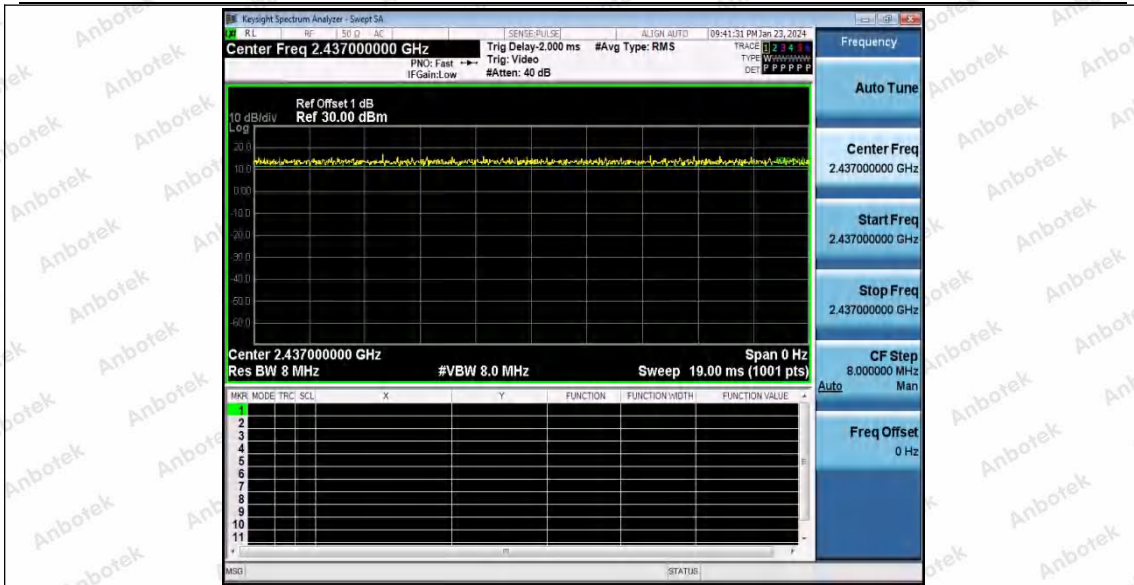
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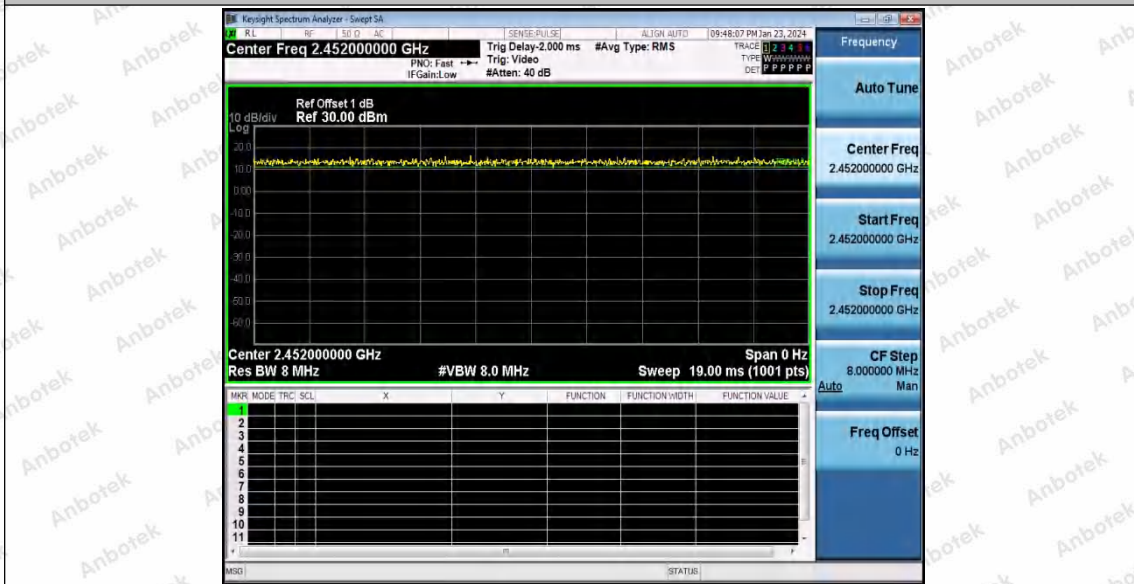
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11N40SISO\_Ant1\_2452



---end---

