

## Appendix Test Data

Report No.:	18220WC30080402	Test Sample No.:	1-2-2
Start Test Date:	2023.06.14	Finish Test Date:	2023.06.15
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	25.6°C	Relative Humidity:	49%
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	10.040	2407.000	2417.040	≥0.5	PASS
		2437	9.120	2432.440	2441.560	≥0.5	PASS
		2462	9.520	2457.480	2467.000	≥0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	≥0.5	PASS
		2437	16.320	2428.840	2445.160	≥0.5	PASS
		2462	16.320	2453.840	2470.160	≥0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	≥0.5	PASS
		2437	17.600	2428.200	2445.800	≥0.5	PASS
		2462	17.560	2453.240	2470.800	≥0.5	PASS
11N40SISO	Ant1	2422	35.640	2404.120	2439.760	≥0.5	PASS
		2437	36.060	2418.880	2454.940	≥0.5	PASS
		2452	35.820	2434.060	2469.880	≥0.5	PASS

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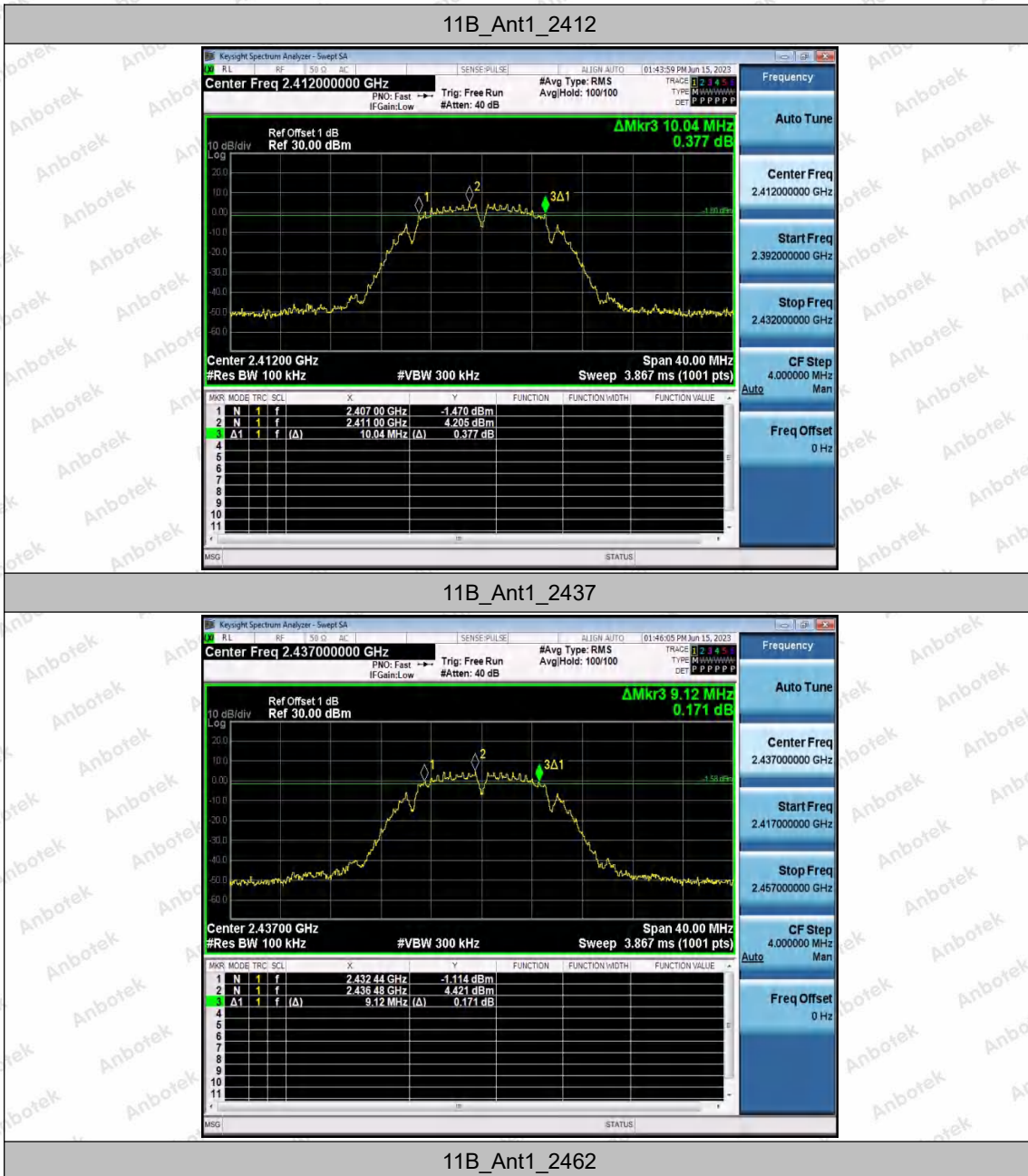
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## Test Graphs



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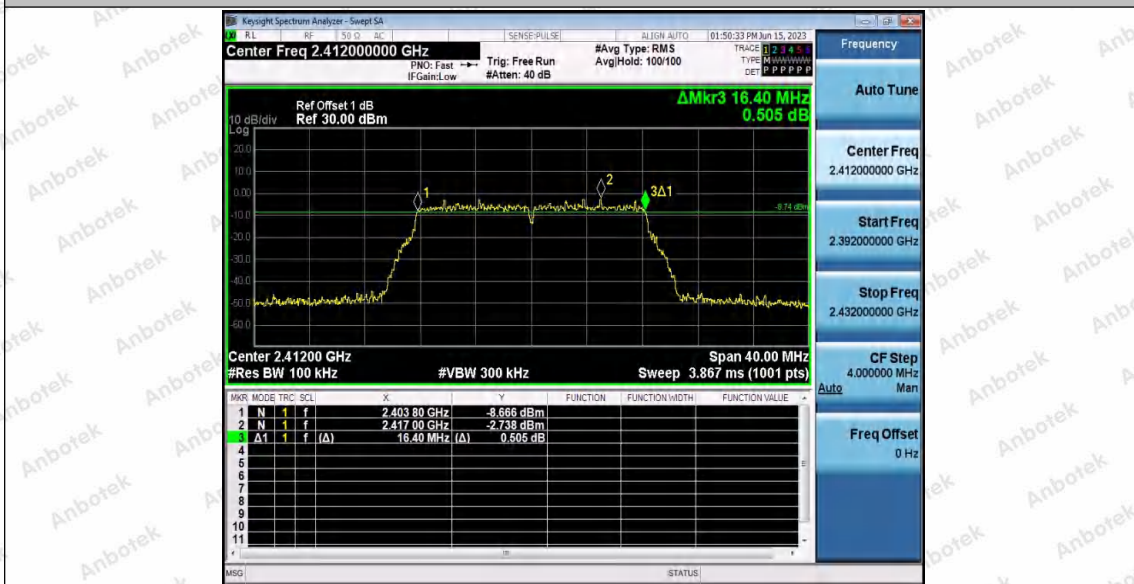
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2412



11G\_Ant1\_2437

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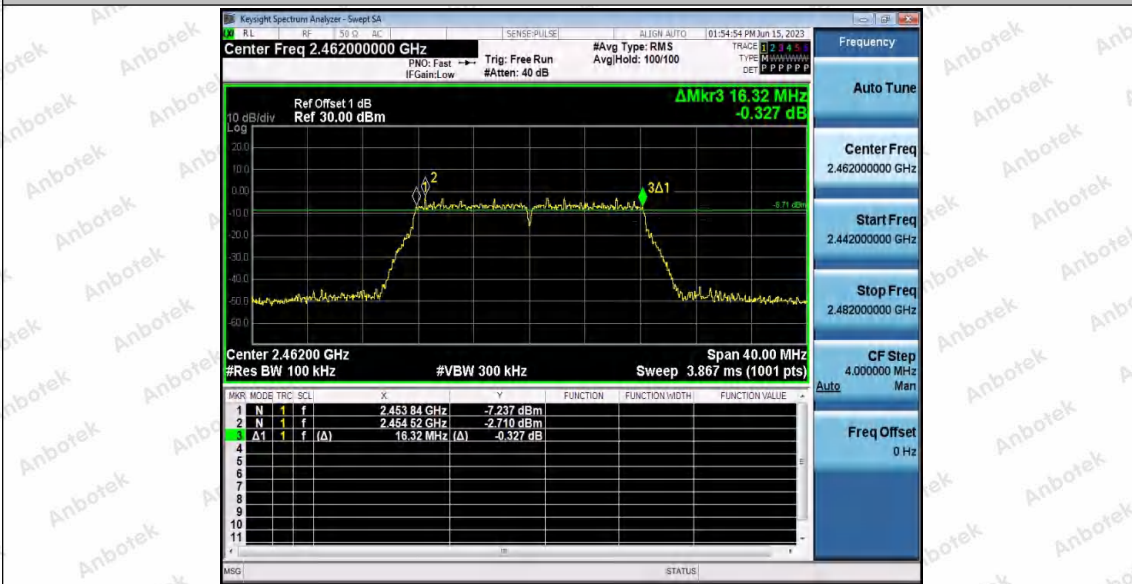
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11G\_Ant1\_2462



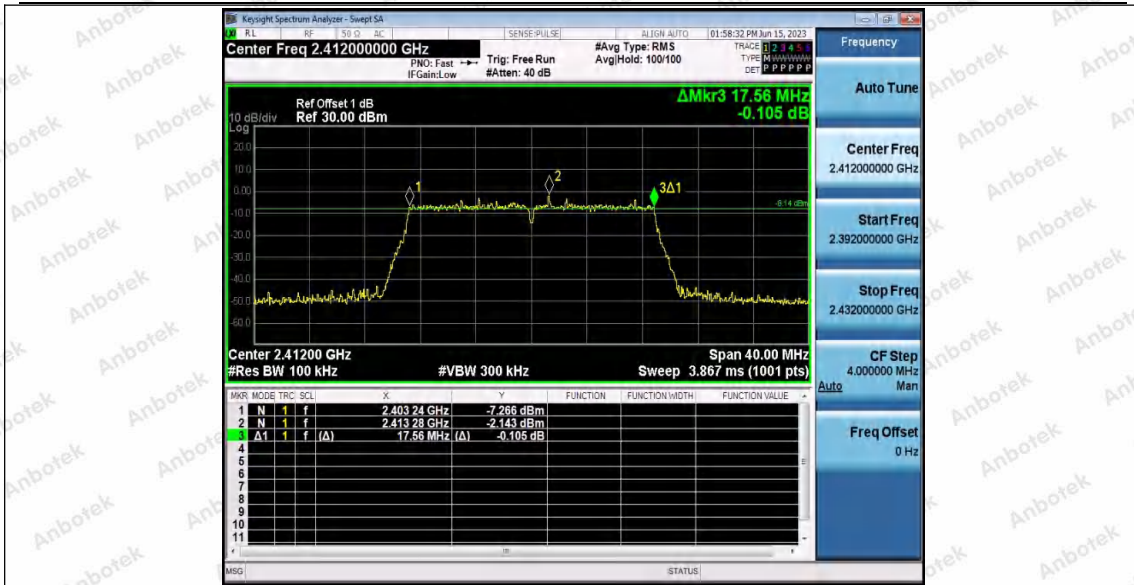
11N20SISO\_Ant1\_2412

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11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

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11N40SISO\_Ant1\_2422



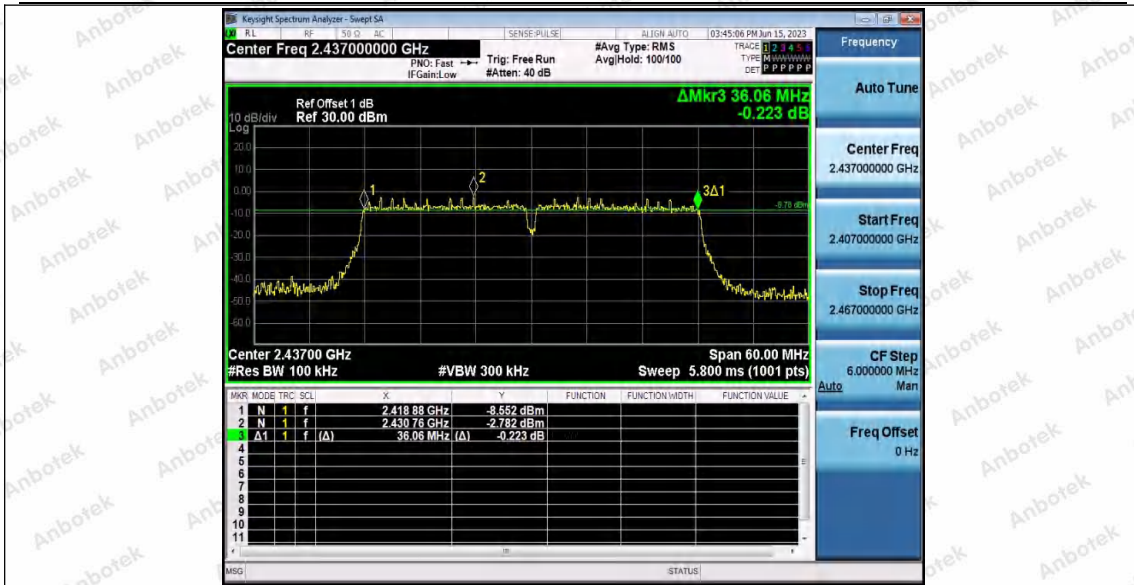
11N40SISO\_Ant1\_2437

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11N40SISO\_Ant1\_2452



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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.279	2405.9164	2418.1954	---	---
		2437	12.314	2430.8761	2443.1901	---	---
		2462	12.325	2455.8700	2468.1950	---	---
11G	Ant1	2412	17.038	2403.5138	2420.5518	---	---
		2437	17.121	2428.4590	2445.5800	---	---
		2462	17.037	2453.5225	2470.5595	---	---
11N20SISO	Ant1	2412	17.943	2403.0941	2421.0371	---	---
		2437	17.958	2428.0216	2445.9796	---	---
		2462	17.962	2453.0541	2471.0161	---	---
11N40SISO	Ant1	2422	36.133	2403.9746	2440.1076	---	---
		2437	36.172	2418.9786	2455.1506	---	---
		2452	36.219	2433.9162	2470.1352	---	---

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## Test Graphs



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11G\_Ant1\_2412



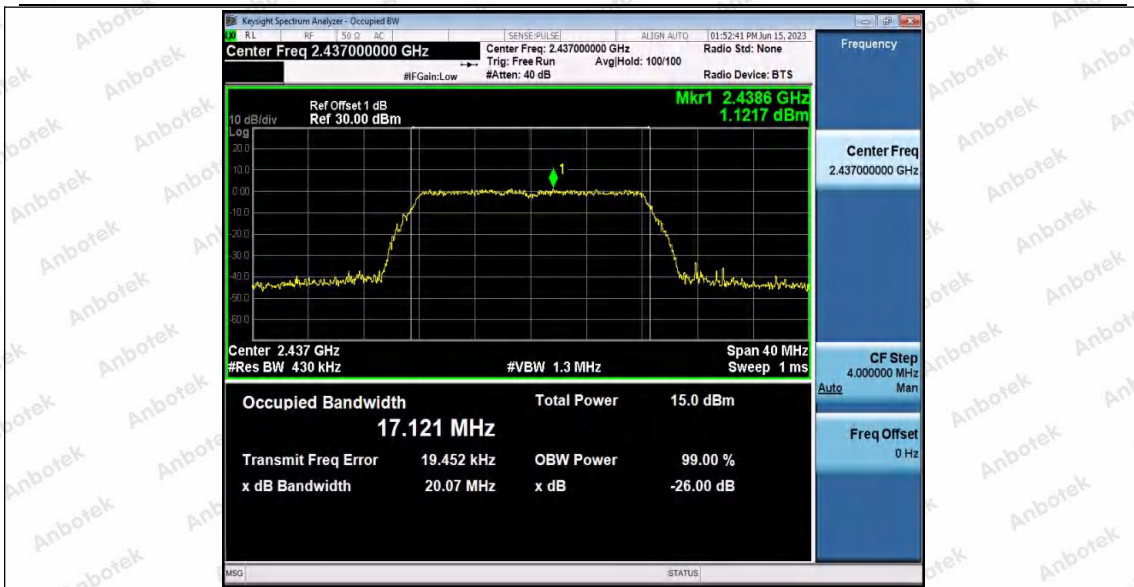
11G\_Ant1\_2437

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11G\_Ant1\_2462



11N20SISO\_Ant1\_2412

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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 Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	16.82	≤30.00
		2437	16.92	≤30.00
		2462	17.07	≤30.00
11G	Ant1	2412	16.28	≤30.00
		2437	16.25	≤30.00
		2462	15.92	≤30.00
11N20SISO	Ant1	2412	16.37	≤30.00
		2437	16.46	≤30.00
		2462	15.79	≤30.00
11N40SISO	Ant1	2422	16.29	≤30.00
		2437	16.16	≤30.00
		2452	16.16	≤30.00



## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.28	≤8.00	PASS
		2437	-8.14	≤8.00	PASS
		2462	-8.52	≤8.00	PASS
11G	Ant1	2412	-14.72	≤8.00	PASS
		2437	-16.14	≤8.00	PASS
		2462	-16.42	≤8.00	PASS
11N20SISO	Ant1	2412	-16.44	≤8.00	PASS
		2437	-16.00	≤8.00	PASS
		2462	-16.30	≤8.00	PASS
11N40SISO	Ant1	2422	-16.11	≤8.00	PASS
		2437	-16.79	≤8.00	PASS
		2452	-16.72	≤8.00	PASS

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## Test Graphs



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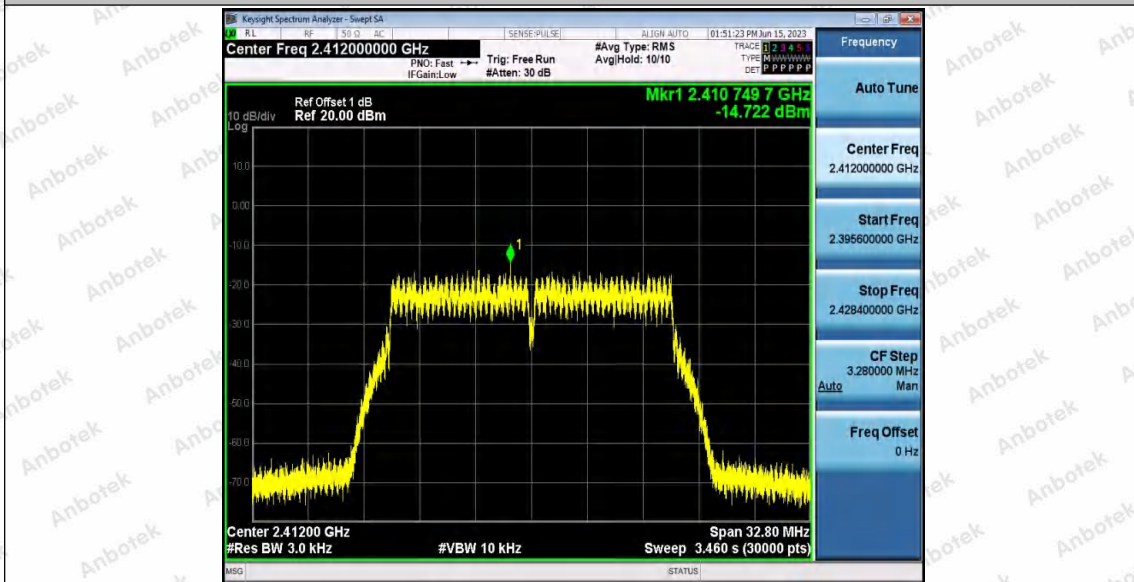
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2412



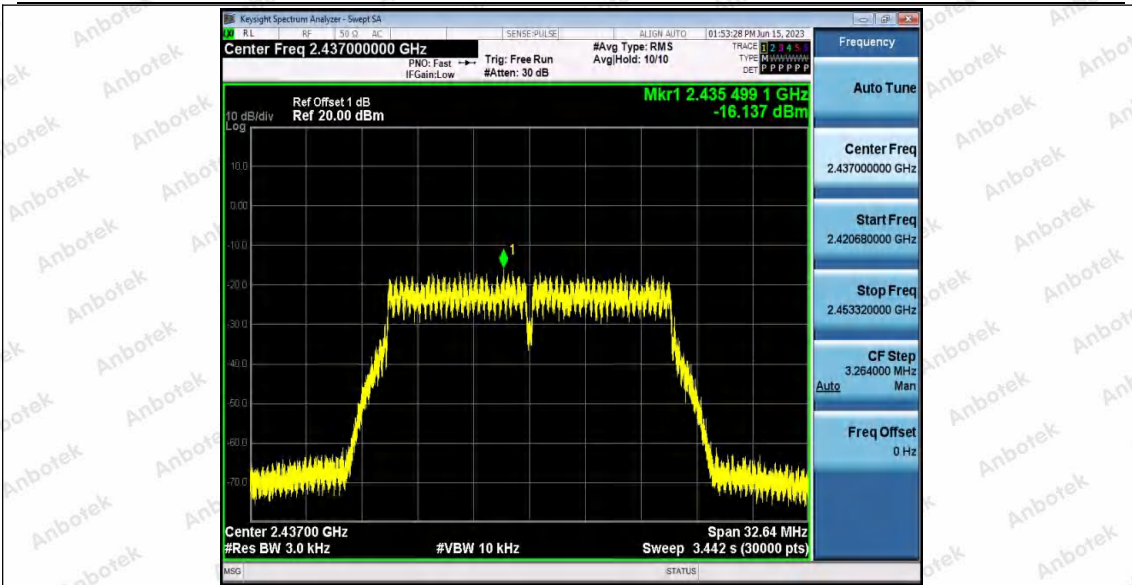
11G\_Ant1\_2437

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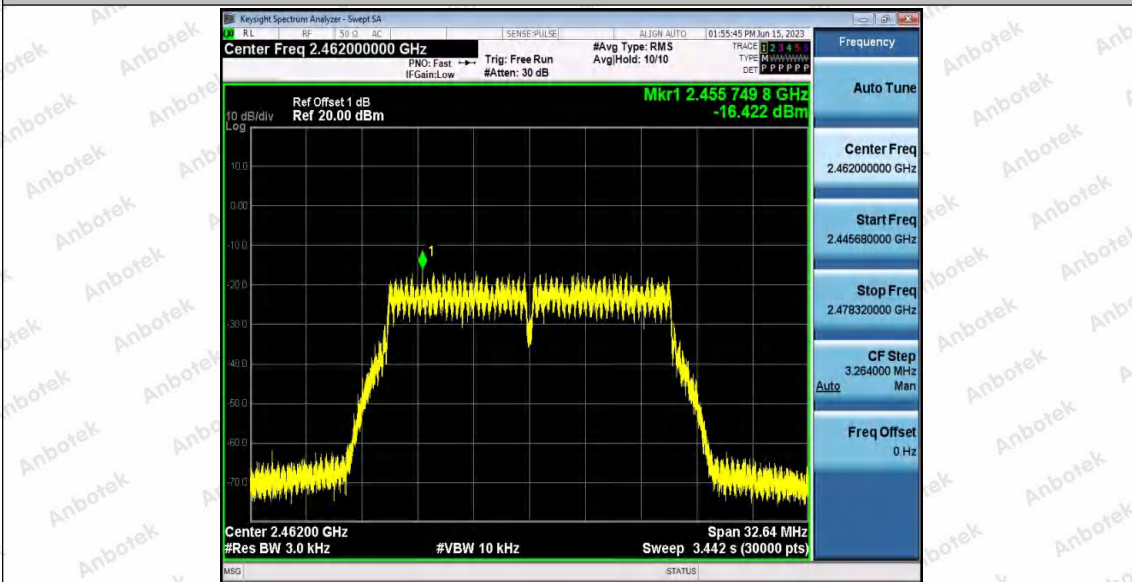
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462



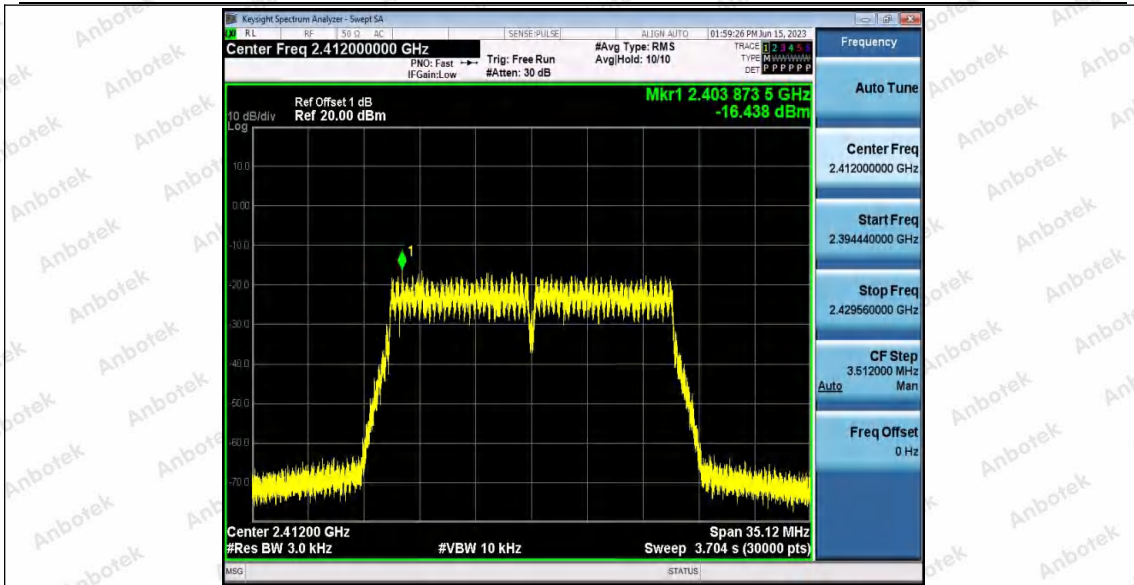
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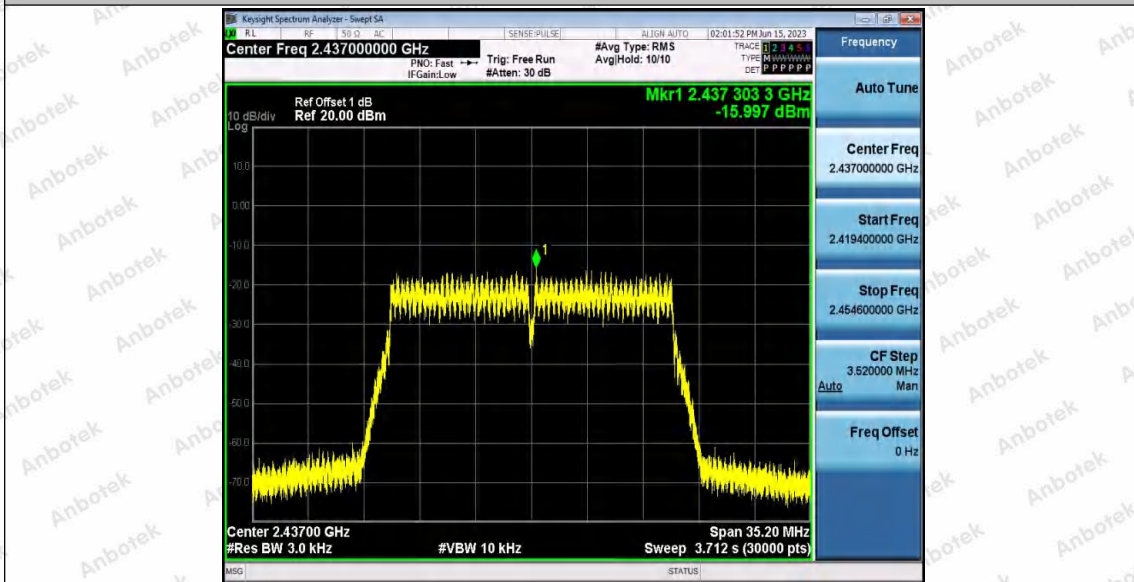
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2437



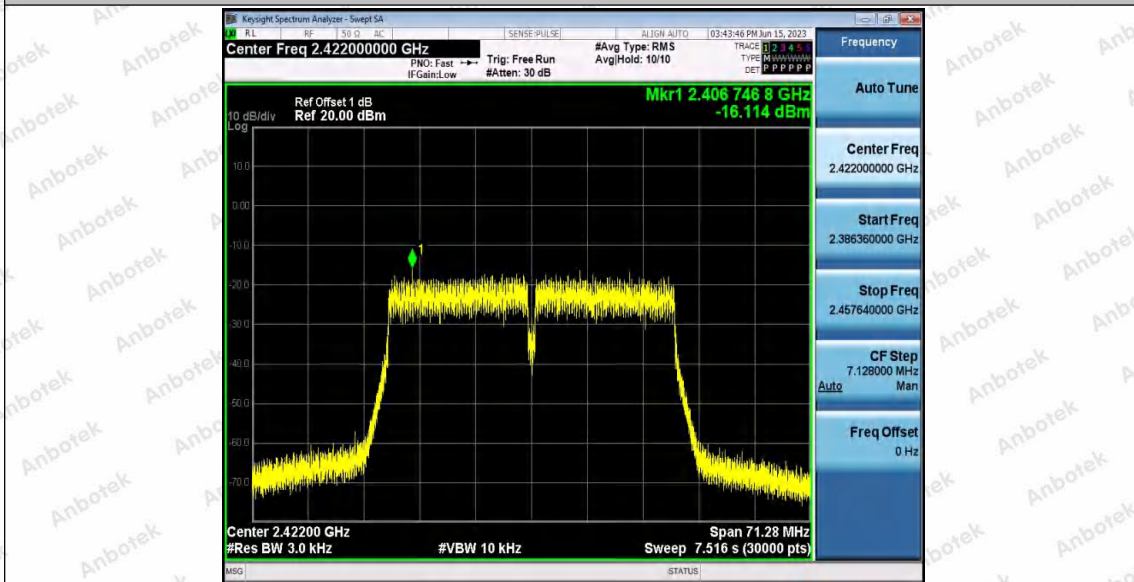
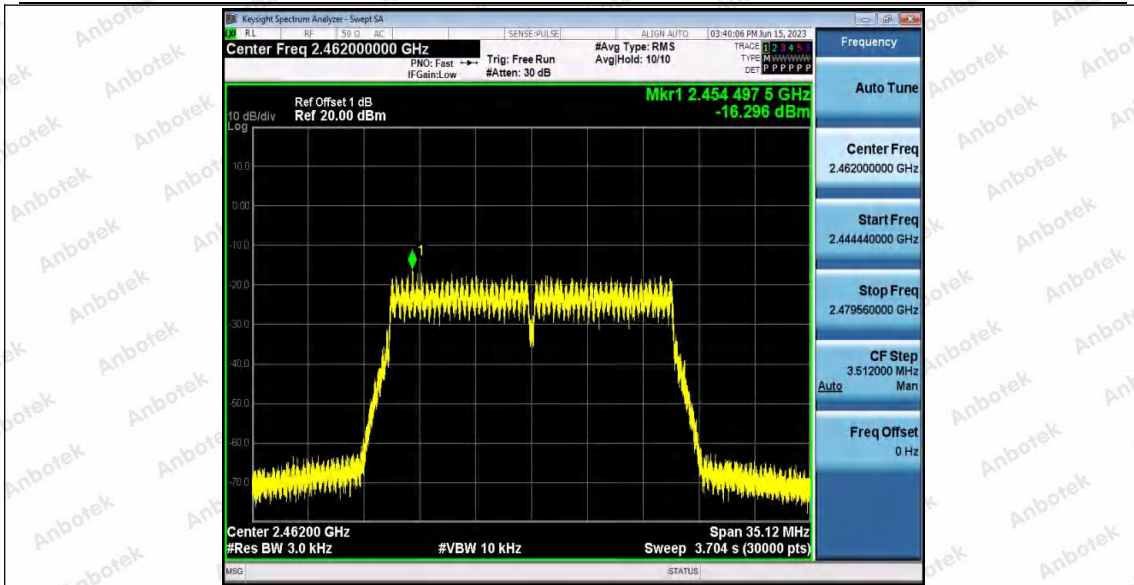
11N20SISO\_Ant1\_2462

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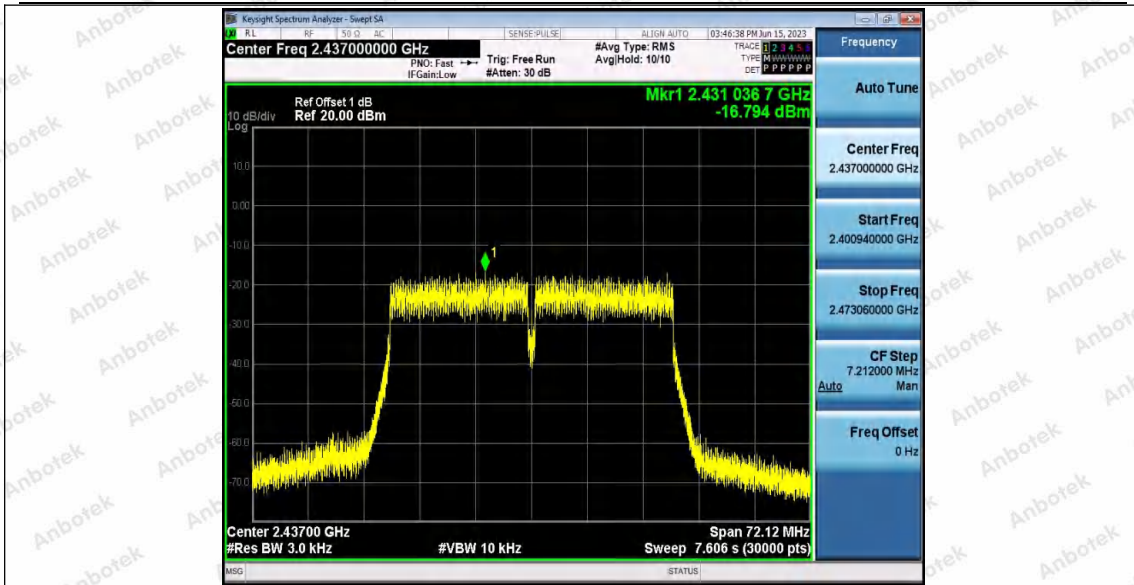


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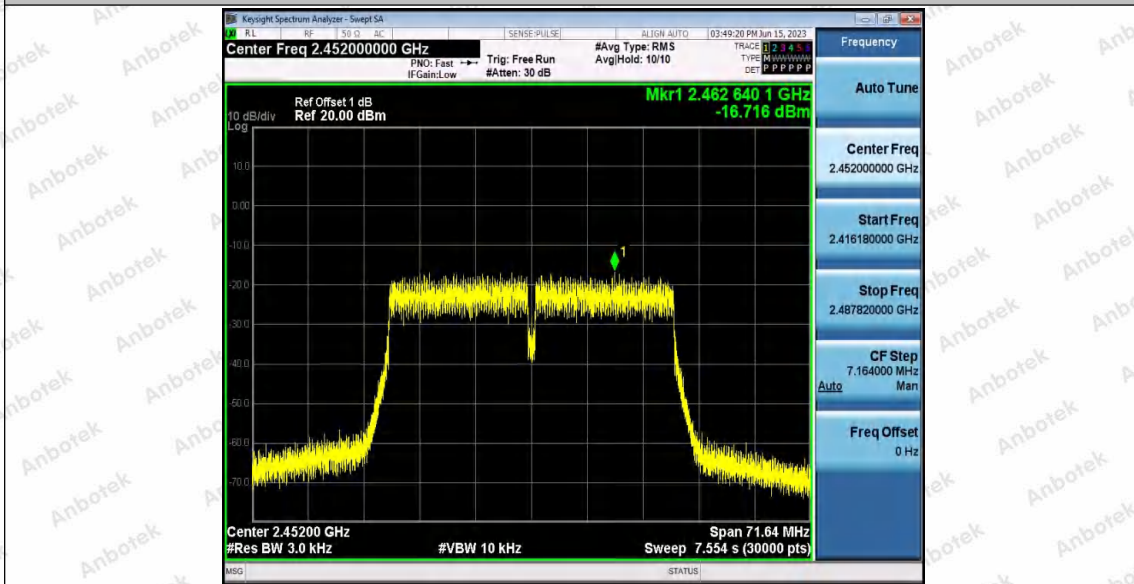
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11N40SISO\_Ant1\_2452



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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	5.35	-48.68	≤-14.65	PASS
		High	2462	4.77	-56.11	≤-15.24	PASS
11G	Ant1	Low	2412	-2.35	-47.99	≤-22.35	PASS
		High	2462	-2.82	-53.46	≤-22.82	PASS
11N20SISO	Ant1	Low	2412	-2.47	-44.61	≤-22.47	PASS
		High	2462	-2.36	-53.74	≤-22.36	PASS
11N40SISO	Ant1	Low	2422	-2.44	-40.91	≤-22.44	PASS
		High	2452	-2.38	-44.59	≤-22.38	PASS

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## Test Graphs



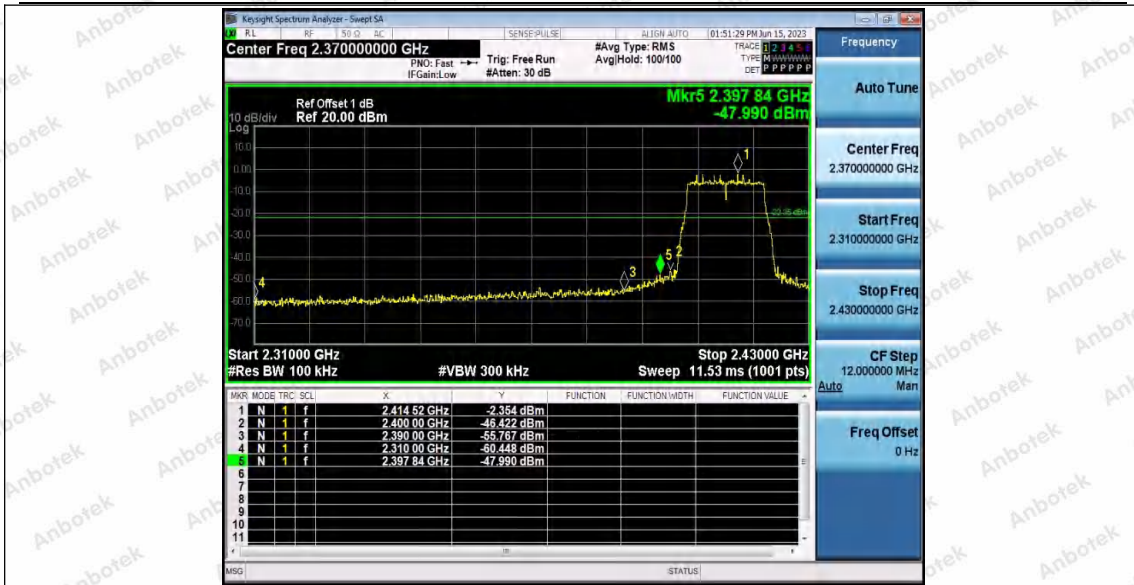
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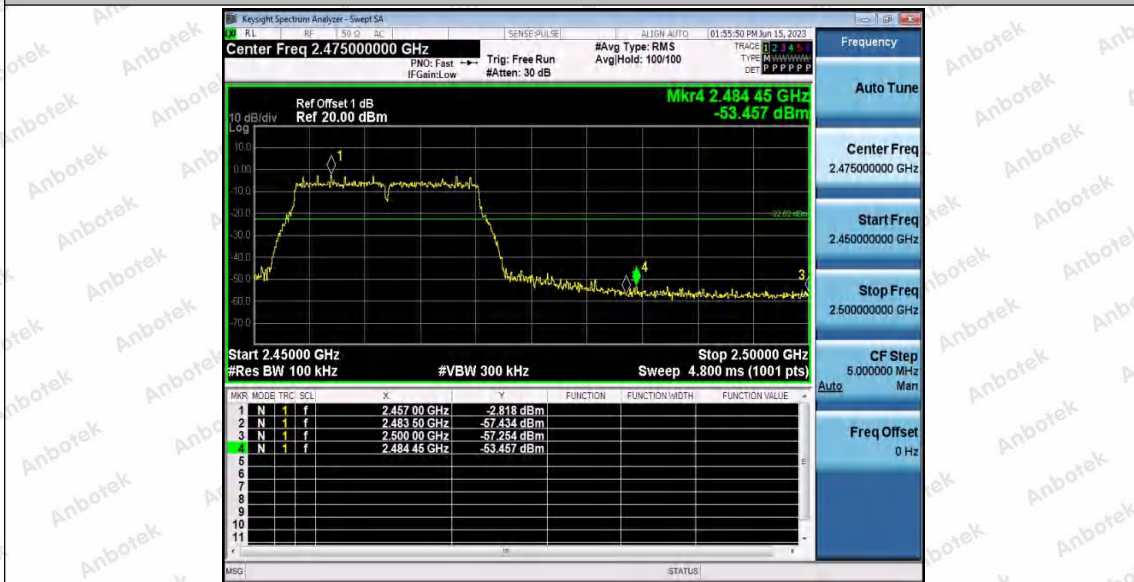
Hotline: 400-003-0500  
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11G\_Ant1\_High\_2462



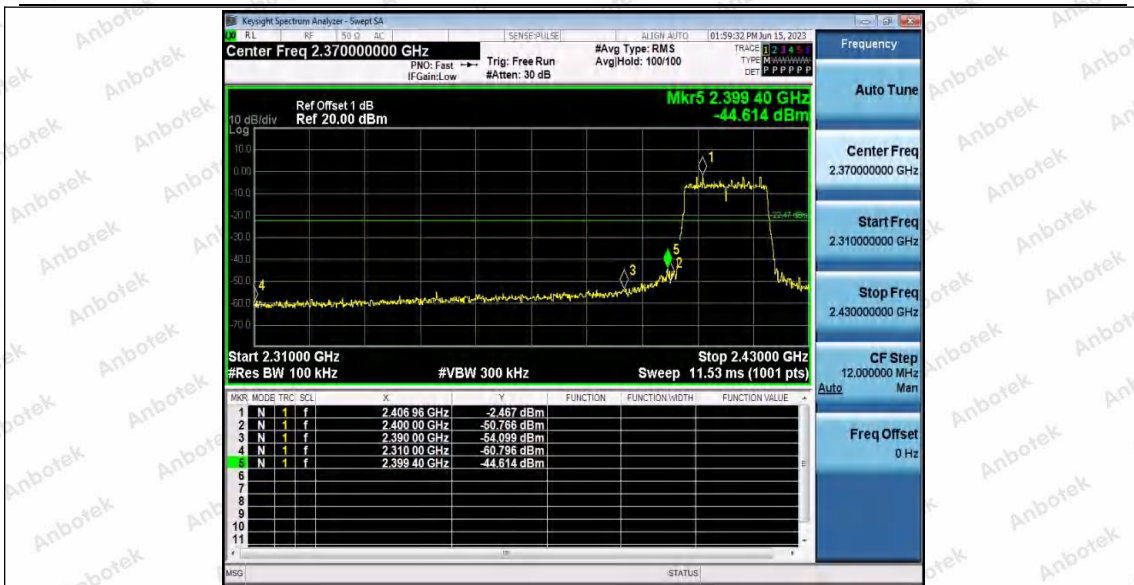
11N20SISO\_Ant1\_Low\_2412

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11N20SISO\_Ant1\_High\_2462



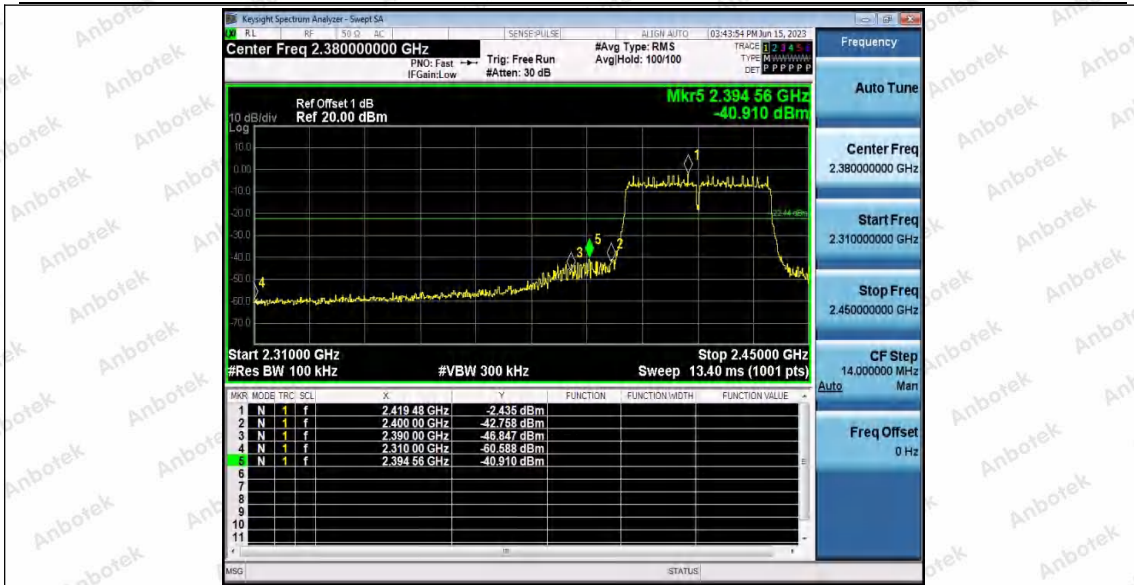
11N40SISO\_Ant1\_Low\_2422

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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	5.03	5.03	---	PASS
			30~1000	5.03	-67.95	≤-14.97	PASS
			1000~26500	5.03	-53.36	≤-14.97	PASS
		2437	Reference	3.22	3.22	---	PASS
			30~1000	3.22	-68.9	≤-16.78	PASS
			1000~26500	3.22	-53.33	≤-16.78	PASS
		2462	Reference	4.36	4.36	---	PASS
			30~1000	4.36	-69.2	≤-15.64	PASS
			1000~26500	4.36	-52.91	≤-15.64	PASS
11G	Ant1	2412	Reference	-4.79	-4.79	---	PASS
			30~1000	-4.79	-68.2	≤-24.79	PASS
			1000~26500	-4.79	-53.35	≤-24.79	PASS
		2437	Reference	-2.88	-2.88	---	PASS
			30~1000	-2.88	-69.27	≤-22.88	PASS
			1000~26500	-2.88	-53.41	≤-22.88	PASS
		2462	Reference	-3.47	-3.47	---	PASS
			30~1000	-3.47	-69.76	≤-23.47	PASS
			1000~26500	-3.47	-53.07	≤-23.47	PASS
11N20SISO	Ant1	2412	Reference	-2.04	-2.04	---	PASS
			30~1000	-2.04	-69.15	≤-22.04	PASS
			1000~26500	-2.04	-52.58	≤-22.04	PASS
		2437	Reference	-4.15	-4.15	---	PASS
			30~1000	-4.15	-69.37	≤-24.15	PASS
			1000~26500	-4.15	-53.1	≤-24.15	PASS
		2462	Reference	-2.70	-2.70	---	PASS
			30~1000	-2.70	-68.6	≤-22.7	PASS
			1000~26500	-2.70	-53.48	≤-22.7	PASS
11N40SISO	Ant1	2422	Reference	-2.66	-2.66	---	PASS
			30~1000	-2.66	-68.88	≤-22.66	PASS
			1000~26500	-2.66	-53.55	≤-22.66	PASS
		2437	Reference	-3.21	-3.21	---	PASS
			30~1000	-3.21	-69.09	≤-23.21	PASS
			1000~26500	-3.21	-53.69	≤-23.21	PASS
		2452	Reference	-2.42	-2.42	---	PASS
			30~1000	-2.42	-68.12	≤-22.42	PASS



			1000~26500	-2.42	-53.72	≤-22.42	PASS
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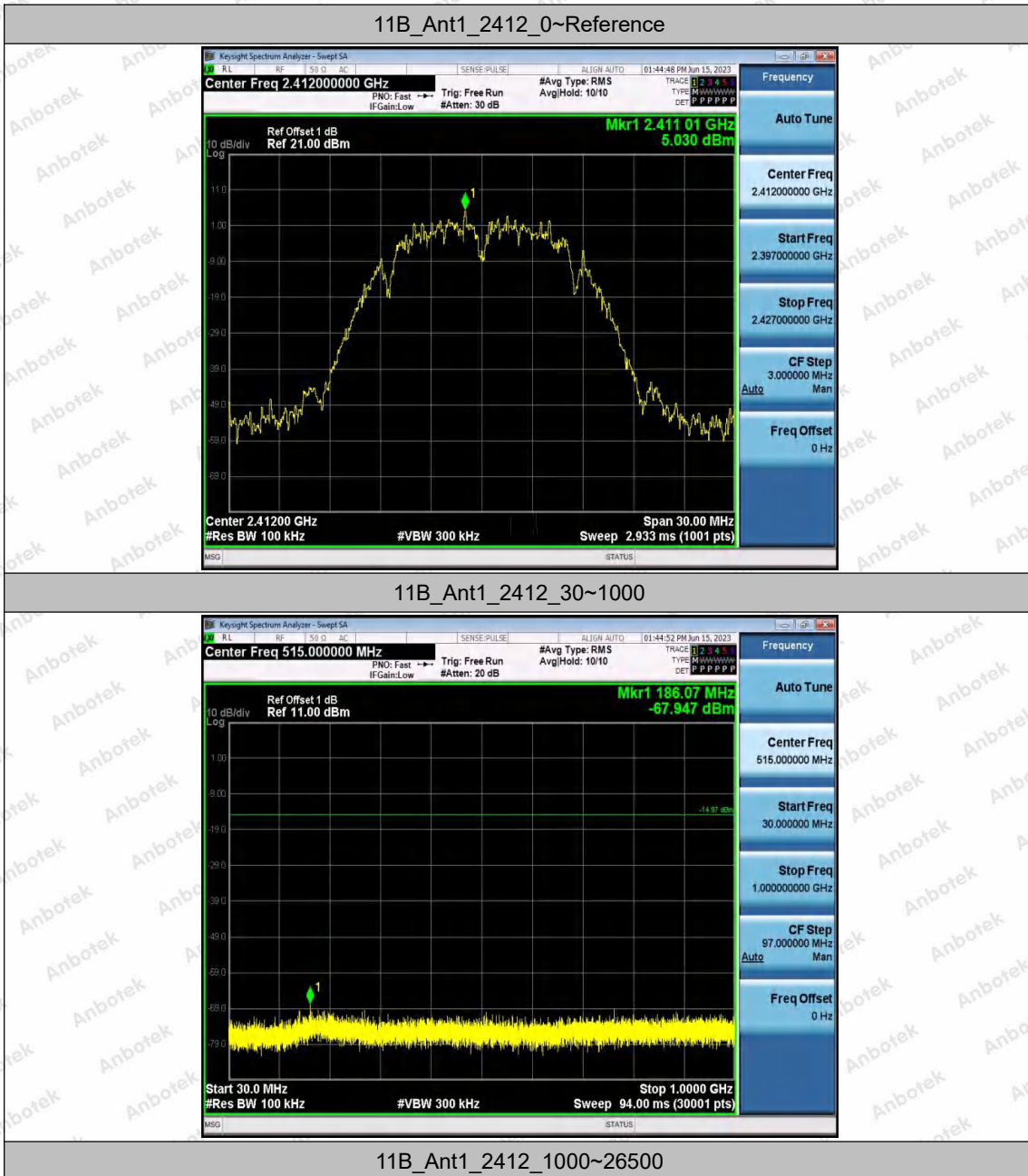
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## Test Graphs

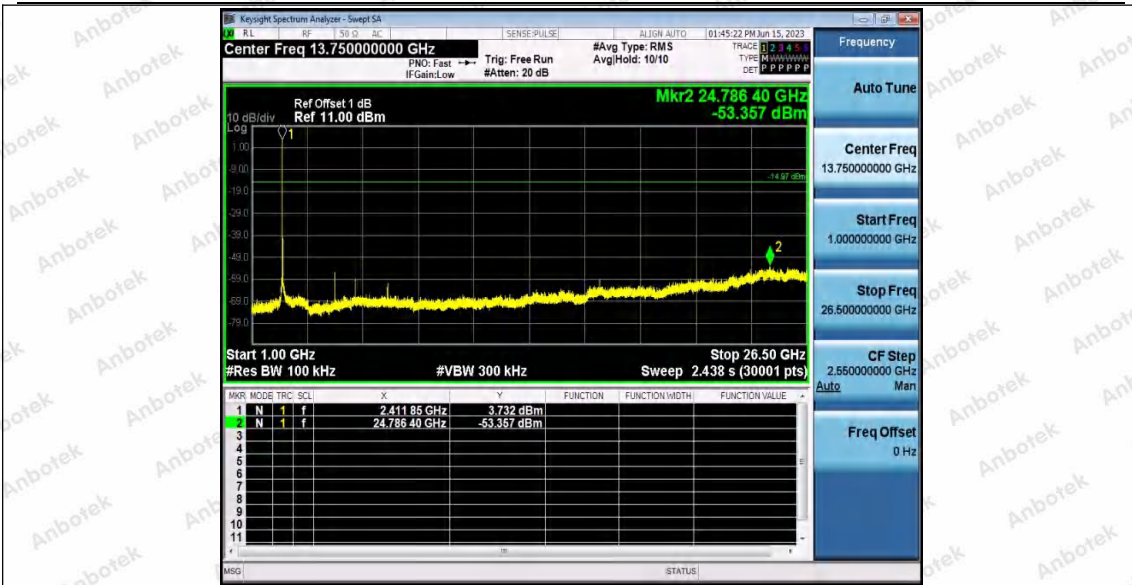


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11B\_Ant1\_2437\_0~Reference



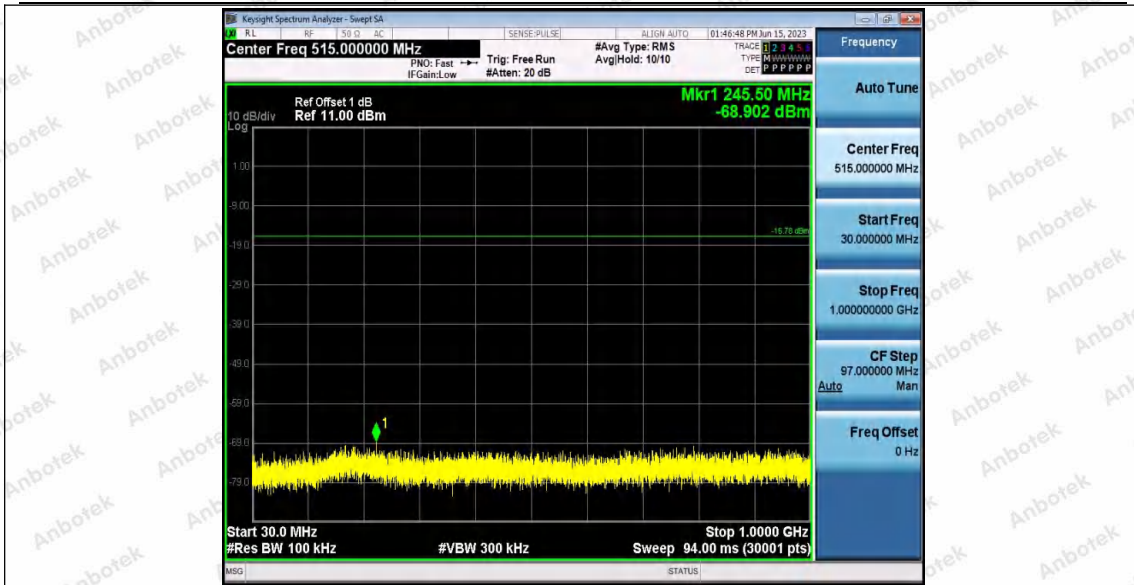
11B\_Ant1\_2437\_30~1000

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11B\_Ant1\_2437\_1000~26500



11B\_Ant1\_2462\_0~Reference

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

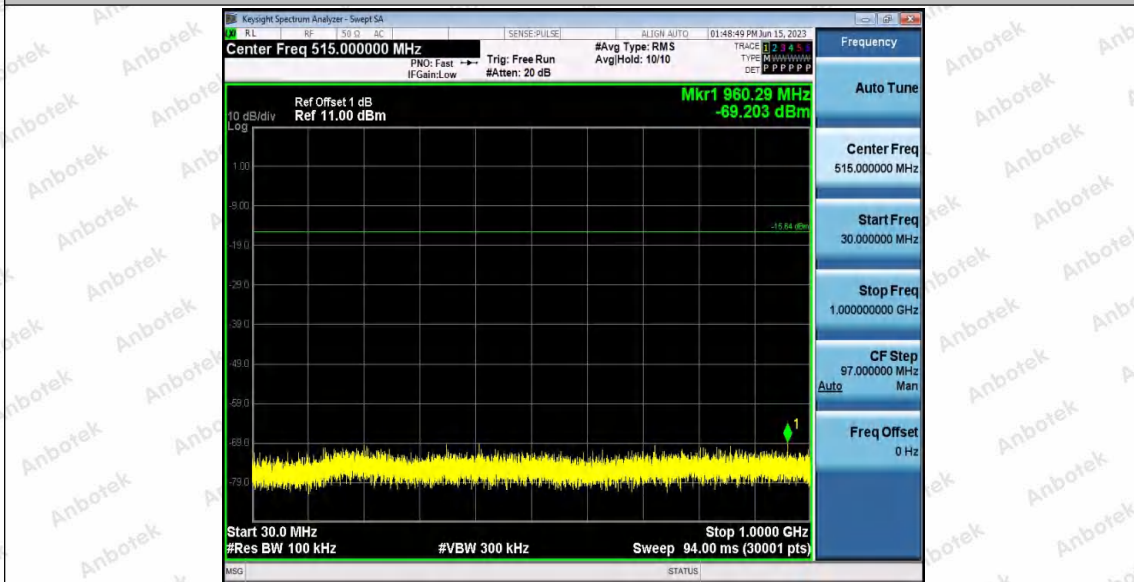
Hotline 400-003-0500  
www.anbotek.com.cn







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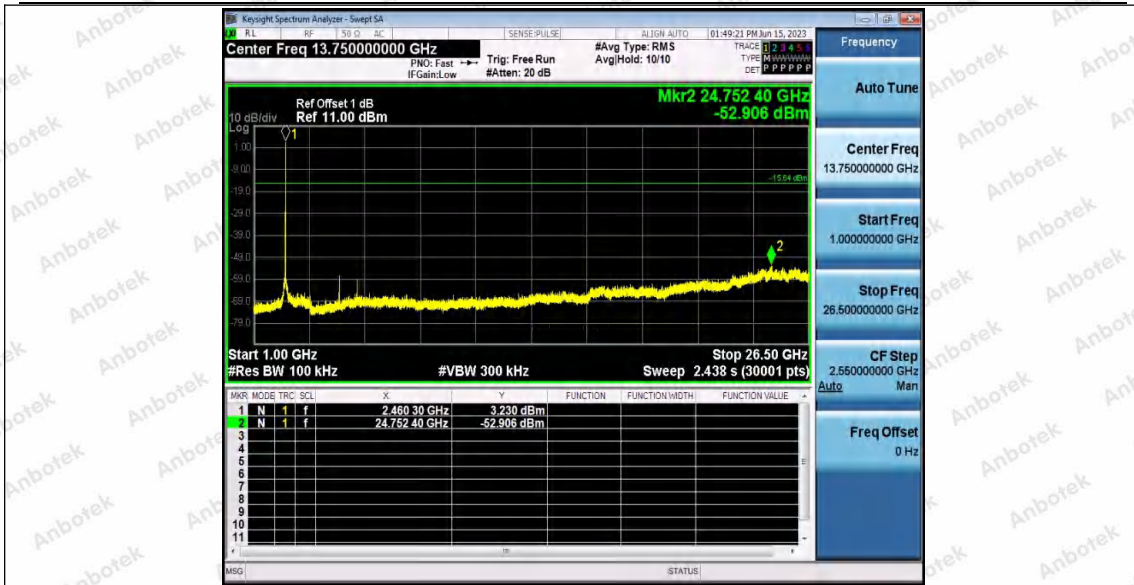
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11G\_Ant1\_2412\_0~Reference



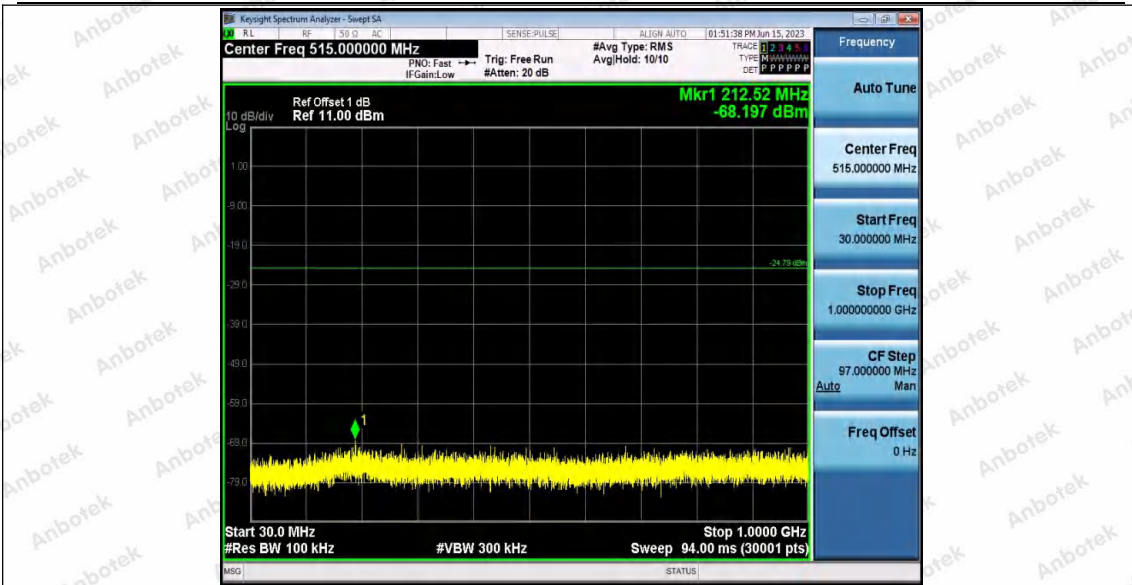
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11G\_Ant1\_2412\_1000~26500



11G\_Ant1\_2437\_0~Reference

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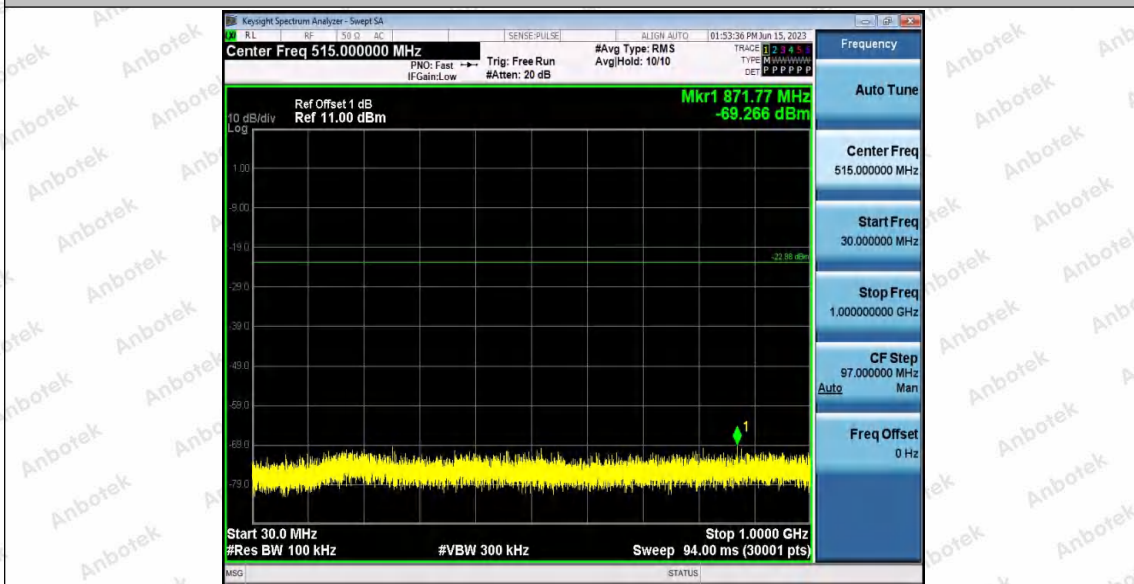
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11G\_Ant1\_2437\_30~1000



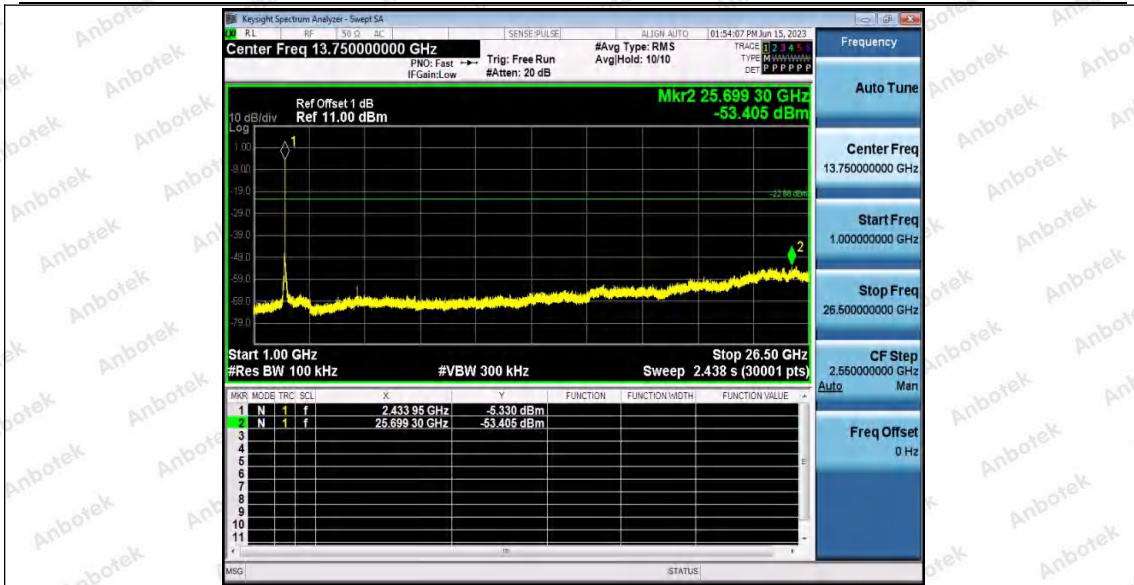
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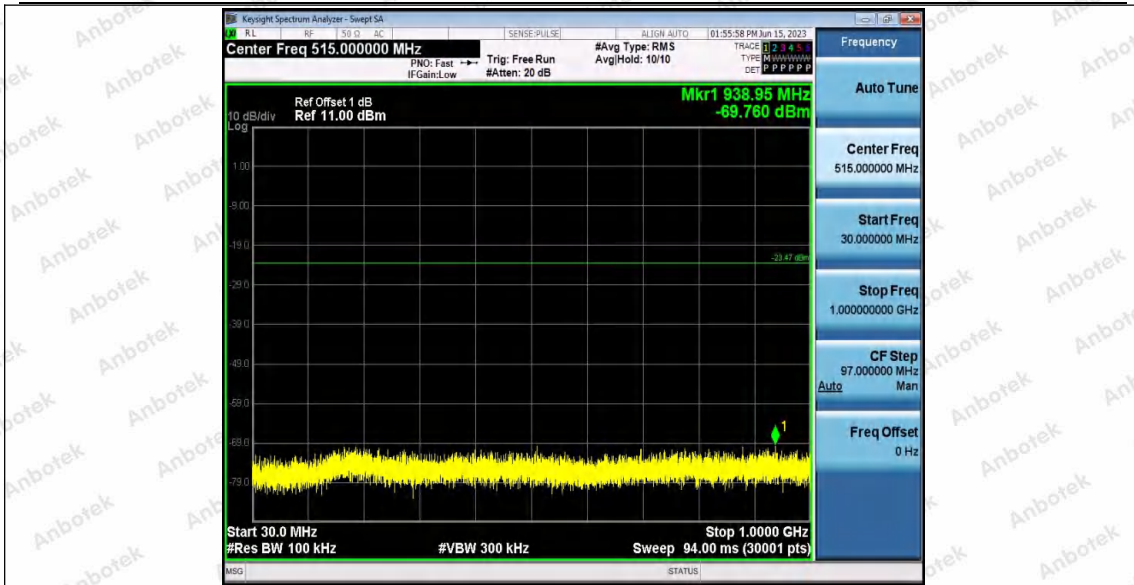
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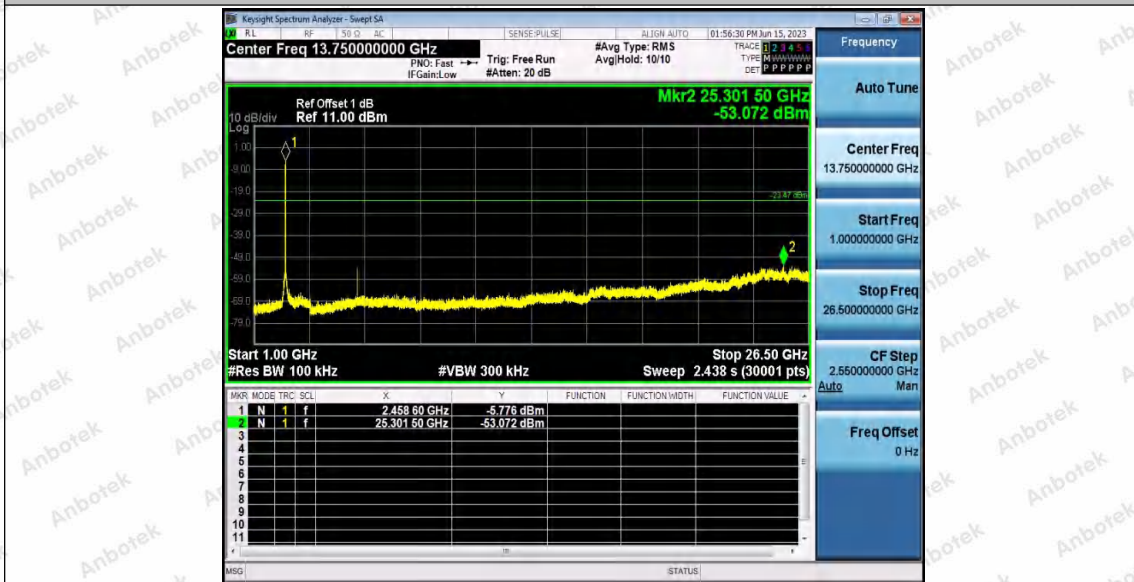
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference

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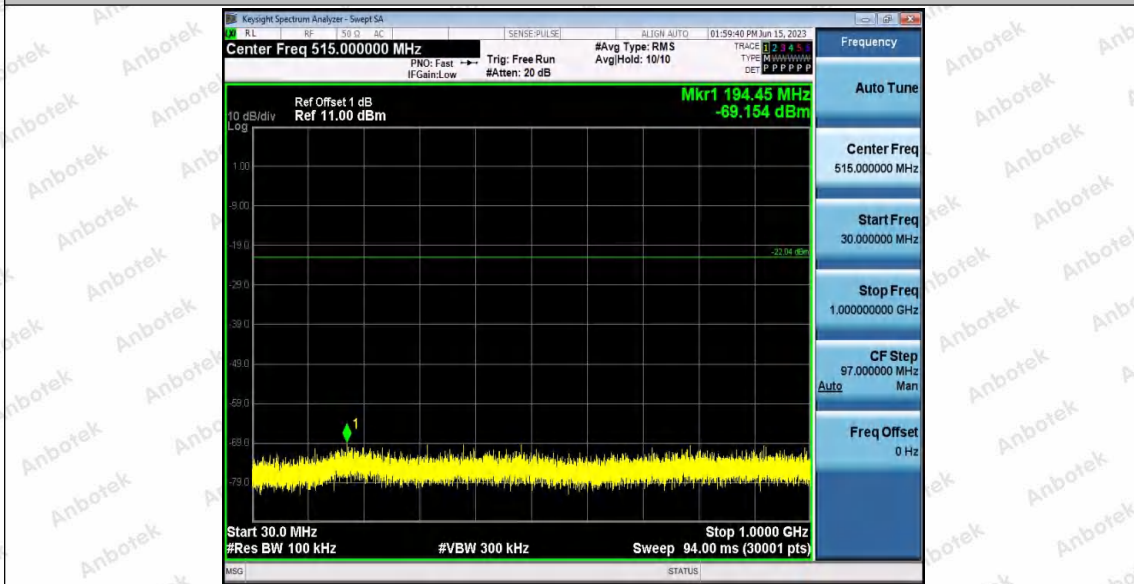
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2412\_30~1000



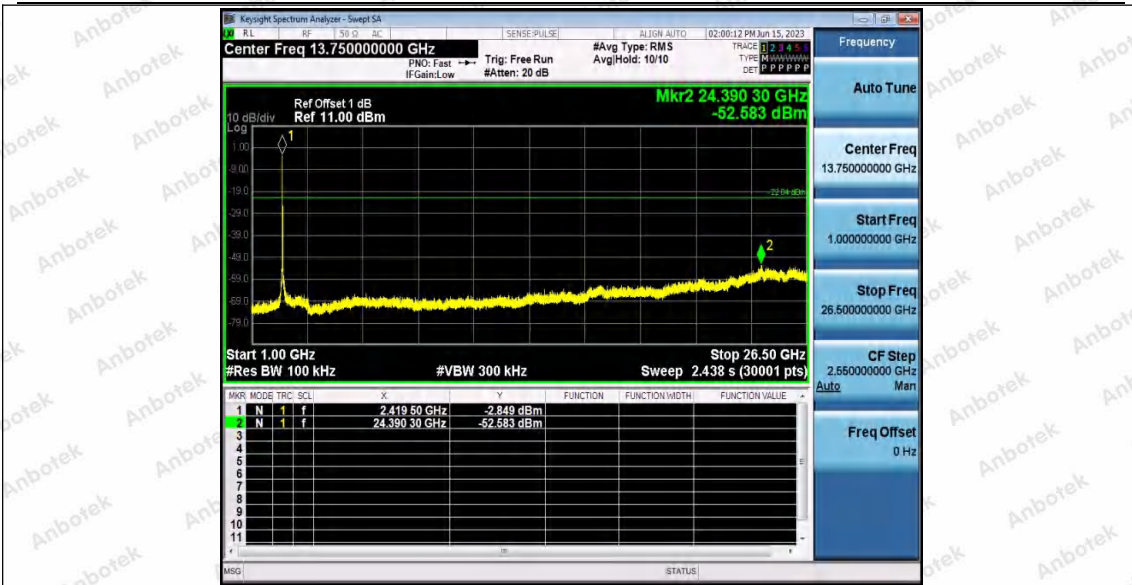
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11N20SISO\_Ant1\_2437\_0~Reference



11N20SISO\_Ant1\_2437\_30~1000

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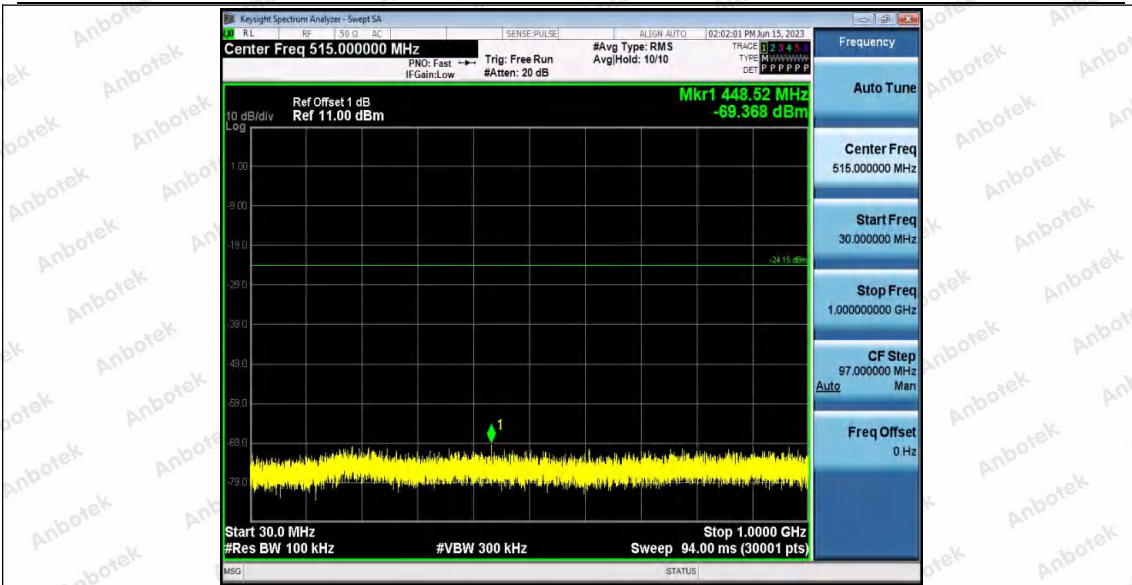
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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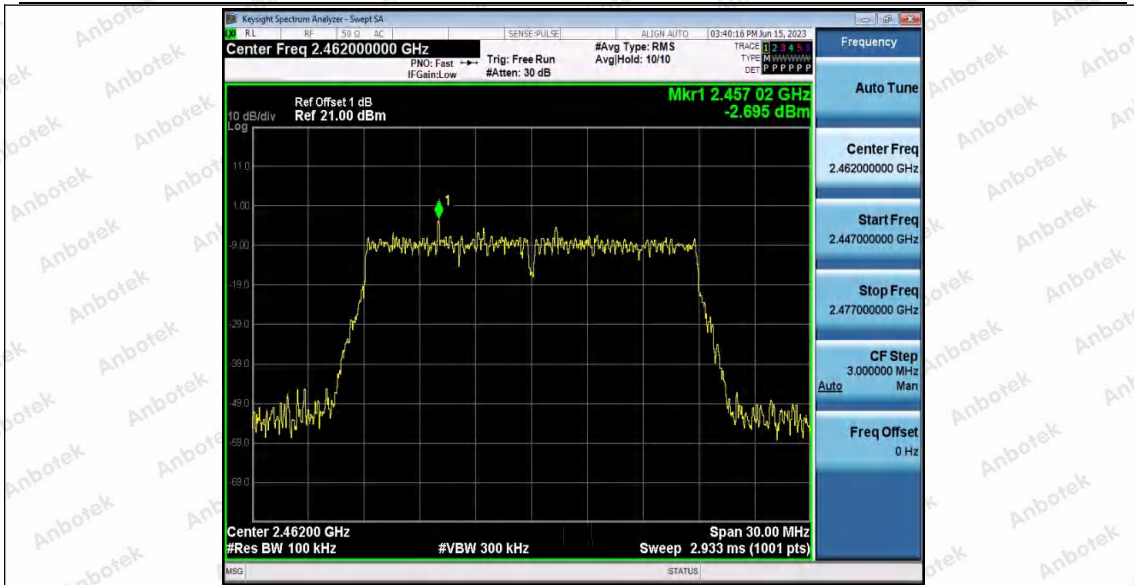
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## Shenzhen Anbotek Compliance Laboratory Limited

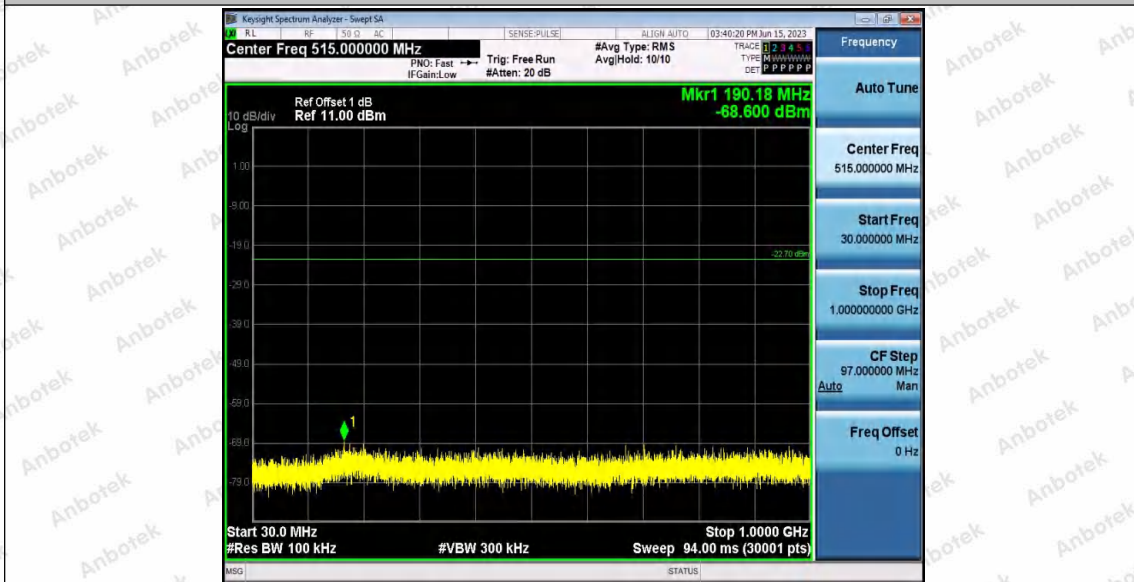
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2462\_30~1000



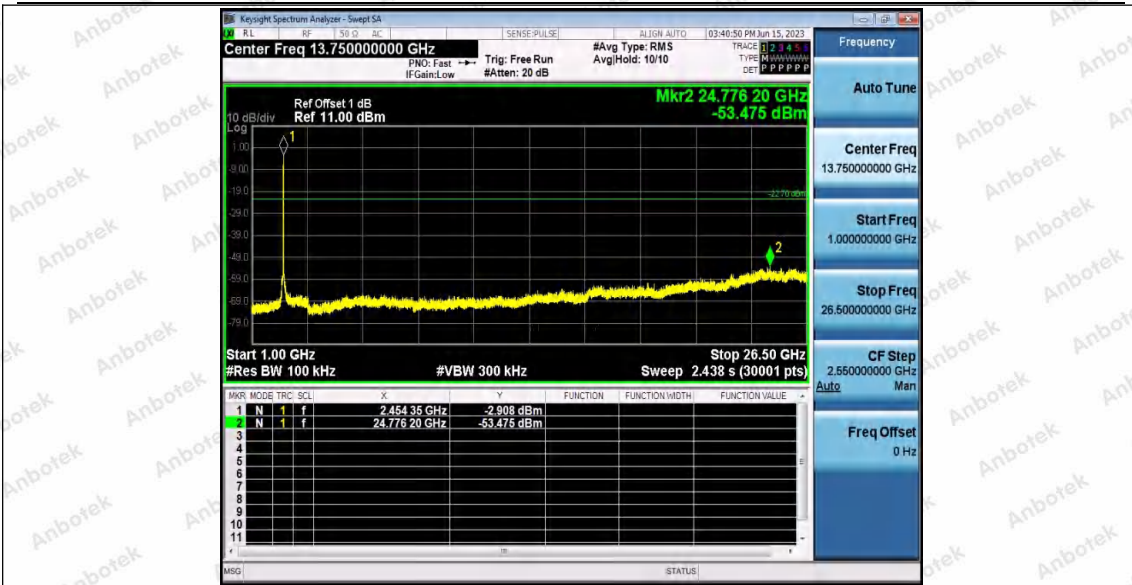
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## Shenzhen Anbotek Compliance Laboratory Limited

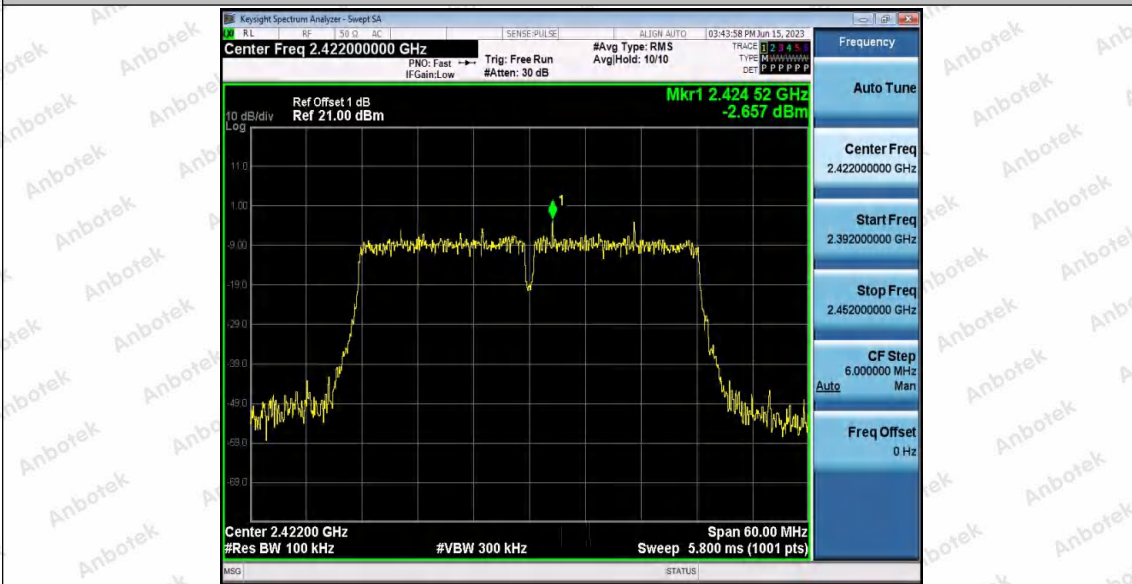
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2422\_0~Reference



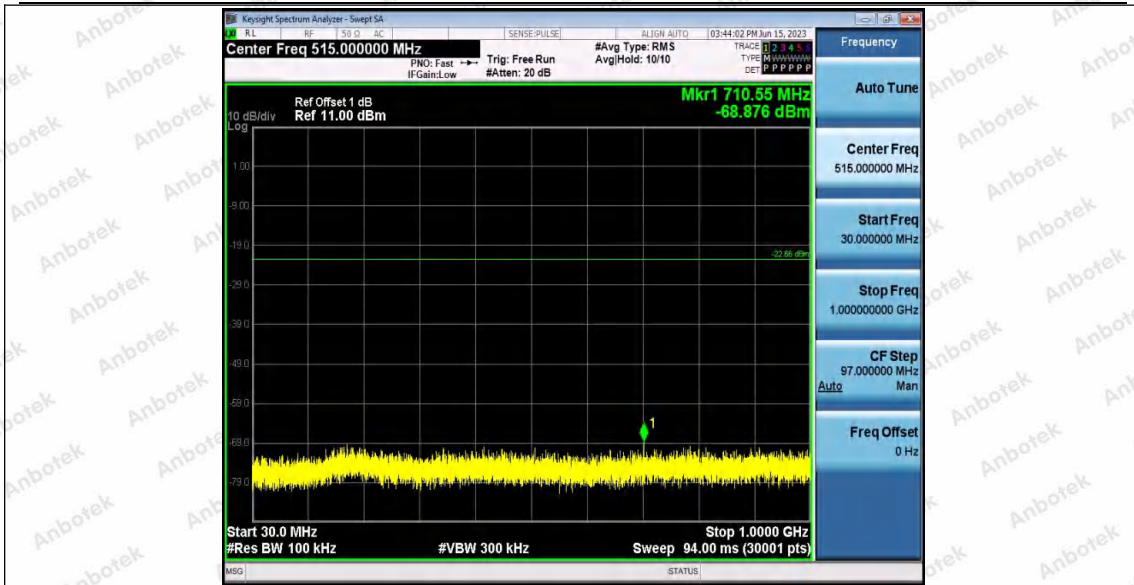
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11N40SISO\_Ant1\_2422\_1000~26500



11N40SISO\_Ant1\_2437\_0~Reference

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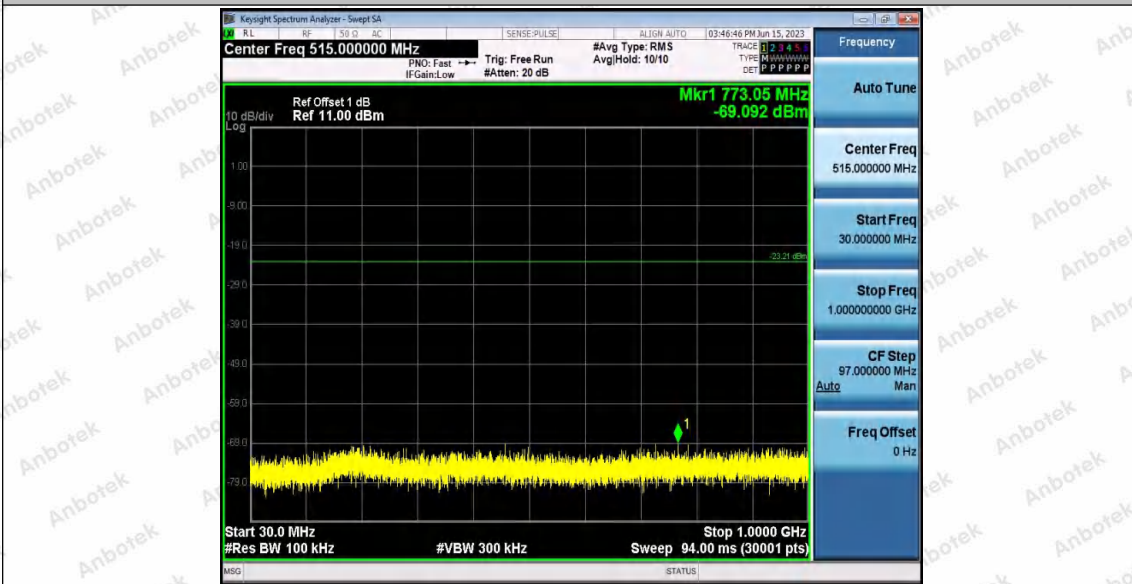
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2437\_30~1000



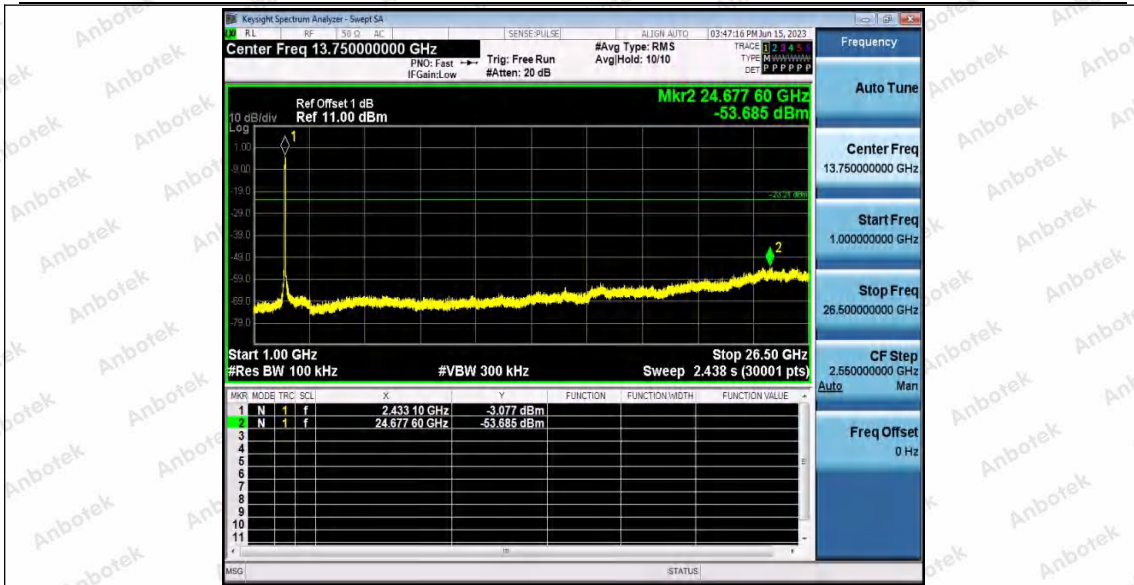
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11N40SISO\_Ant1\_2452\_0~Reference



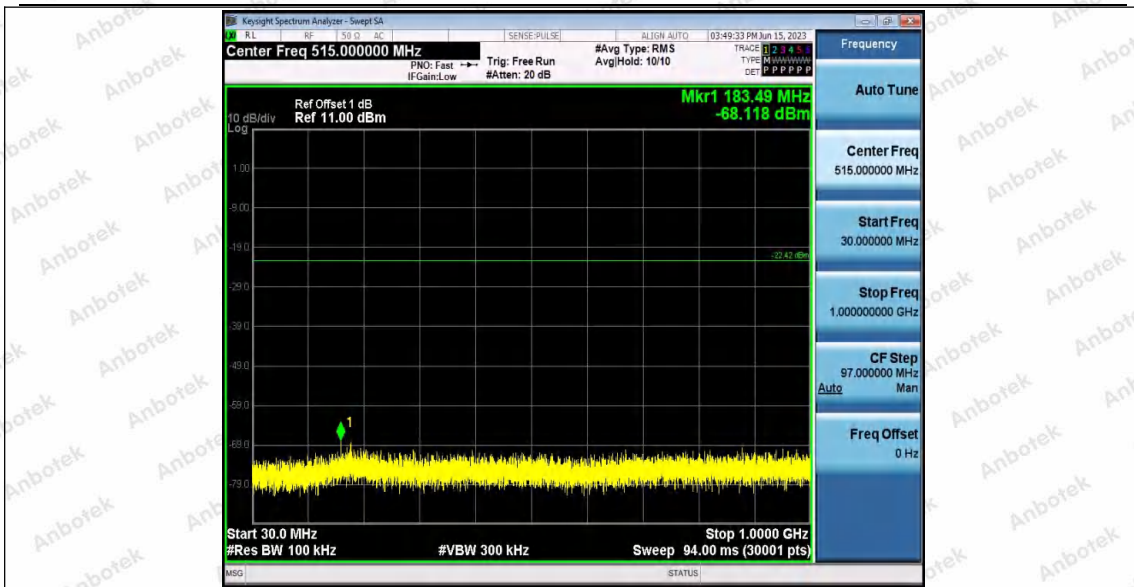
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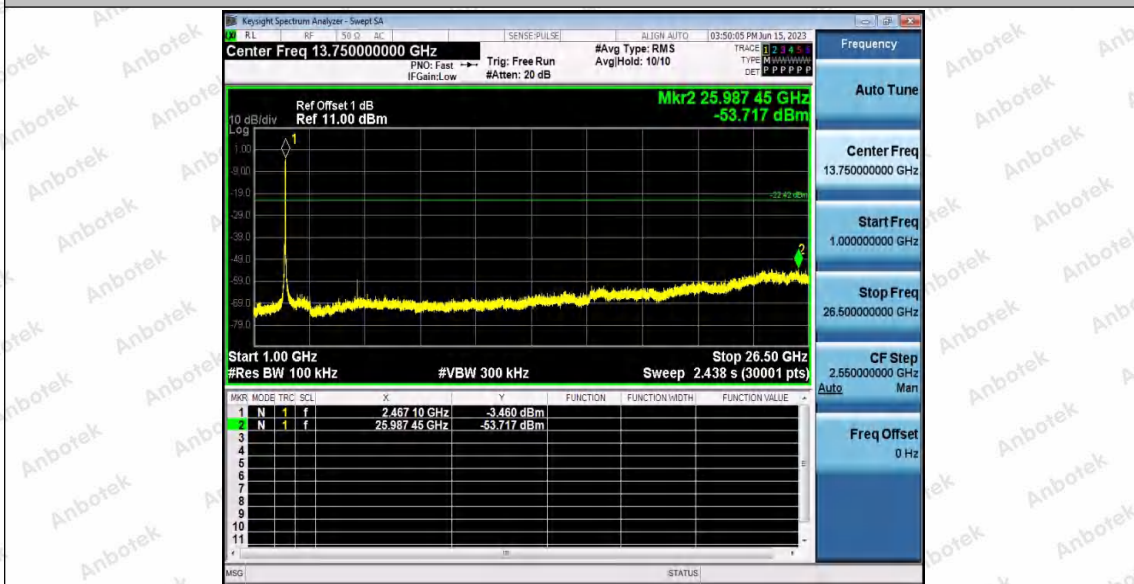
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2452\_1000~26500



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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	8.39	8.42	99.64	0.02
		2437	8.38	8.41	99.64	0.02
		2462	8.38	8.41	99.64	0.02
11G	Ant1	2412	1.39	1.43	97.20	0.12
		2437	1.40	1.43	97.90	0.09
		2462	1.39	1.43	97.20	0.12
11N20SISO	Ant1	2412	1.30	1.33	97.74	0.10
		2437	1.30	1.33	97.74	0.10
		2462	1.30	1.34	97.01	0.13
11N40SISO	Ant1	2422	0.65	0.68	95.59	0.20
		2437	0.64	0.68	94.12	0.26
		2452	0.65	0.68	95.59	0.20

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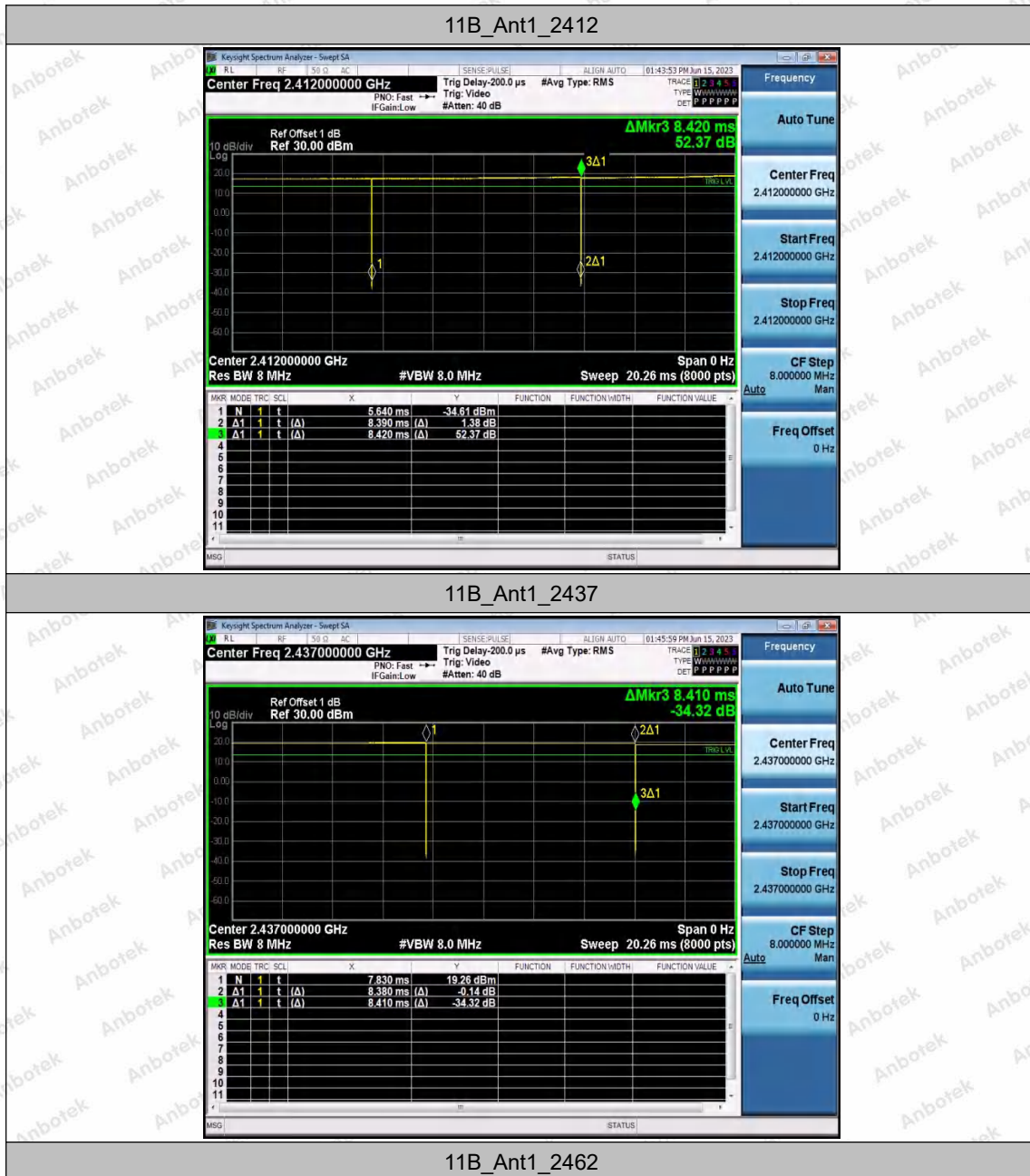
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

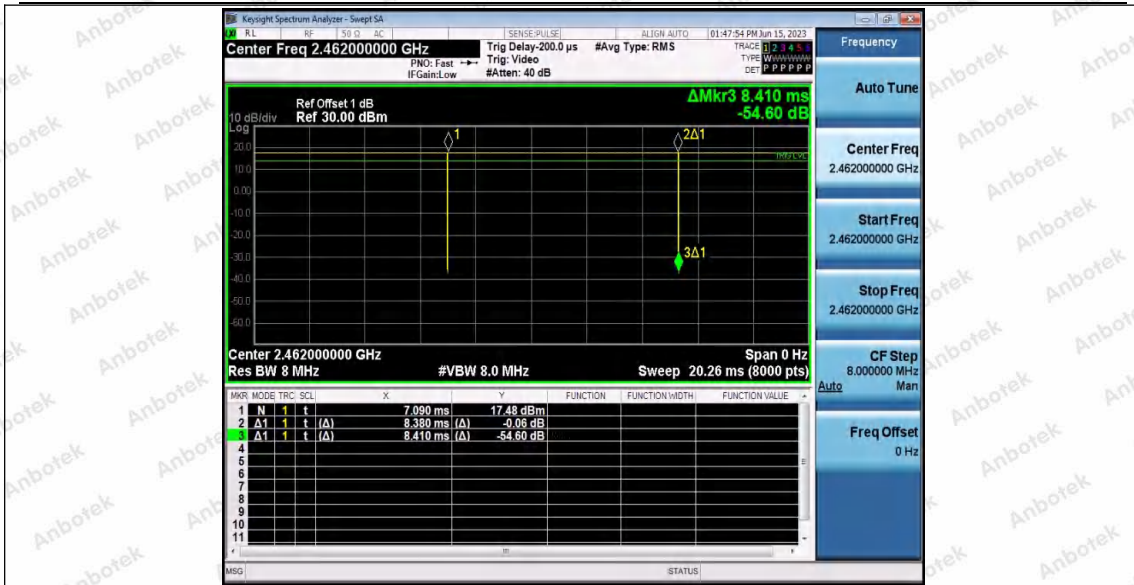
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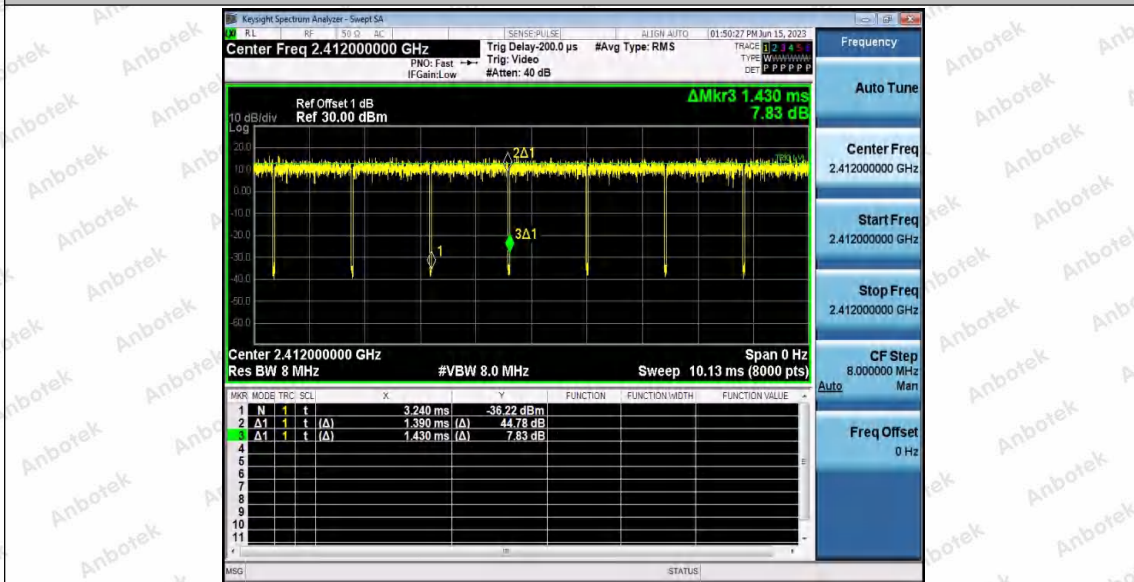


## Test Graphs





11G\_Ant1\_2412



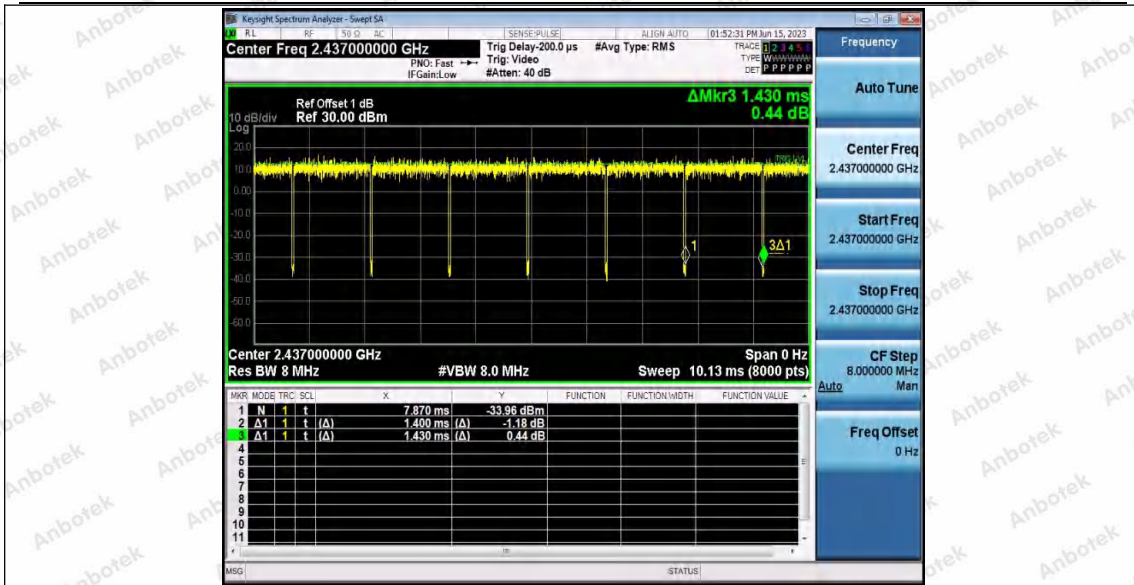
11G\_Ant1\_2437

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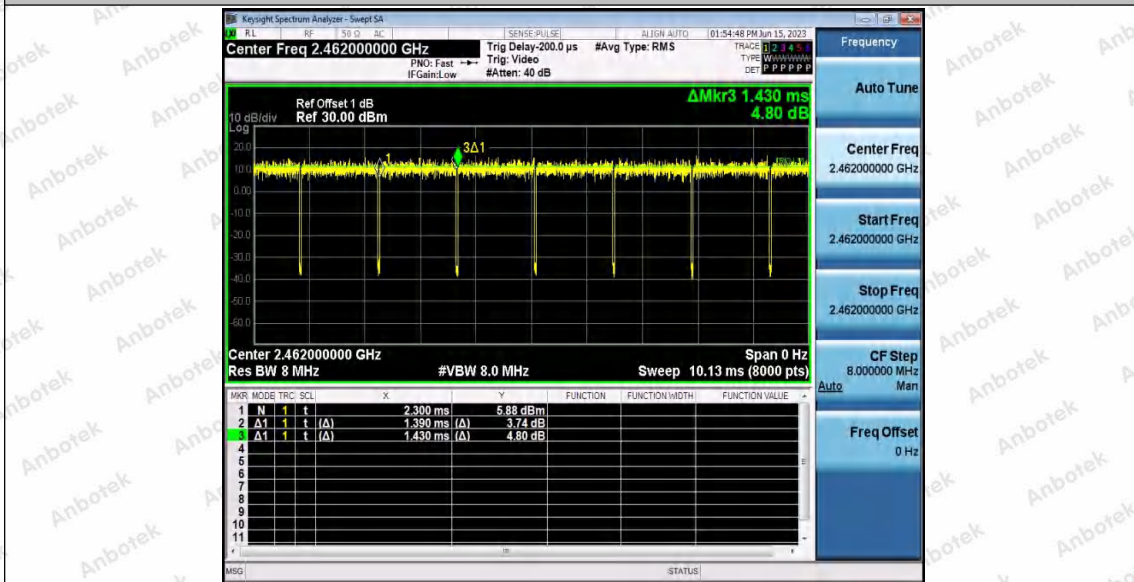
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462



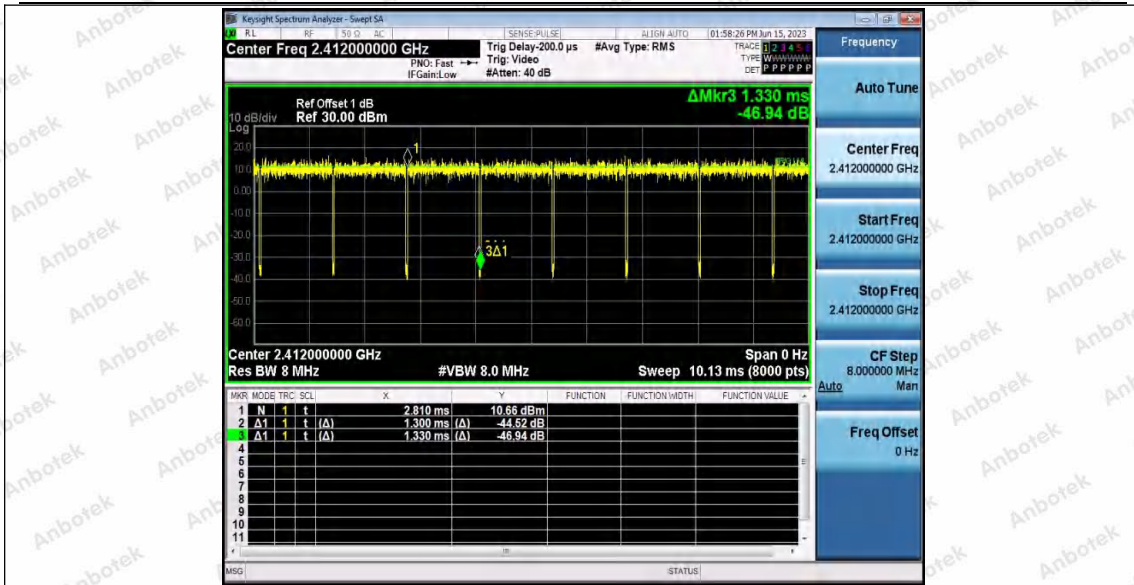
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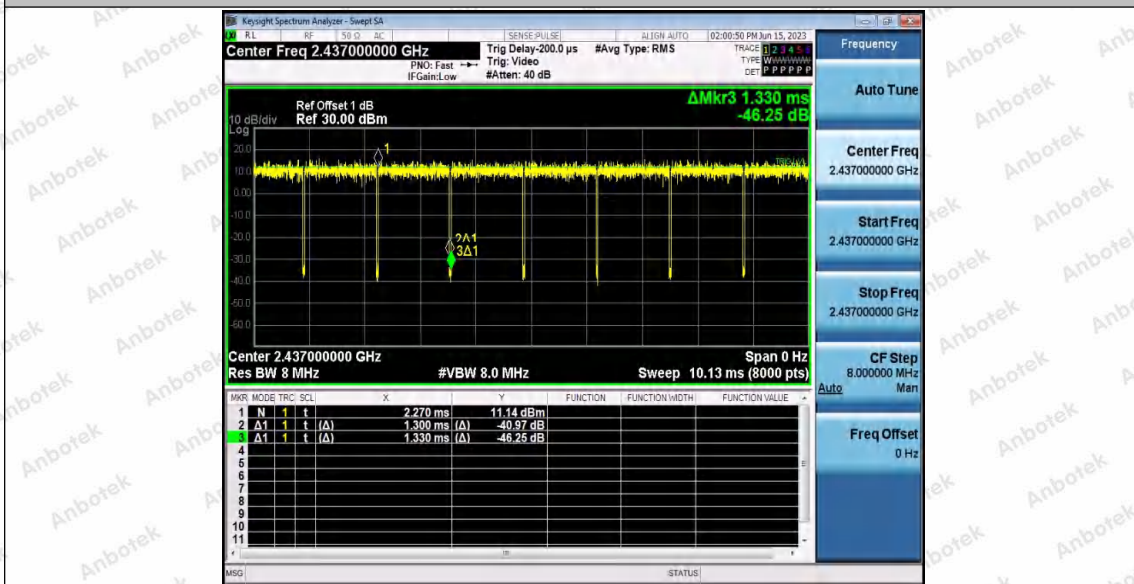
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2437



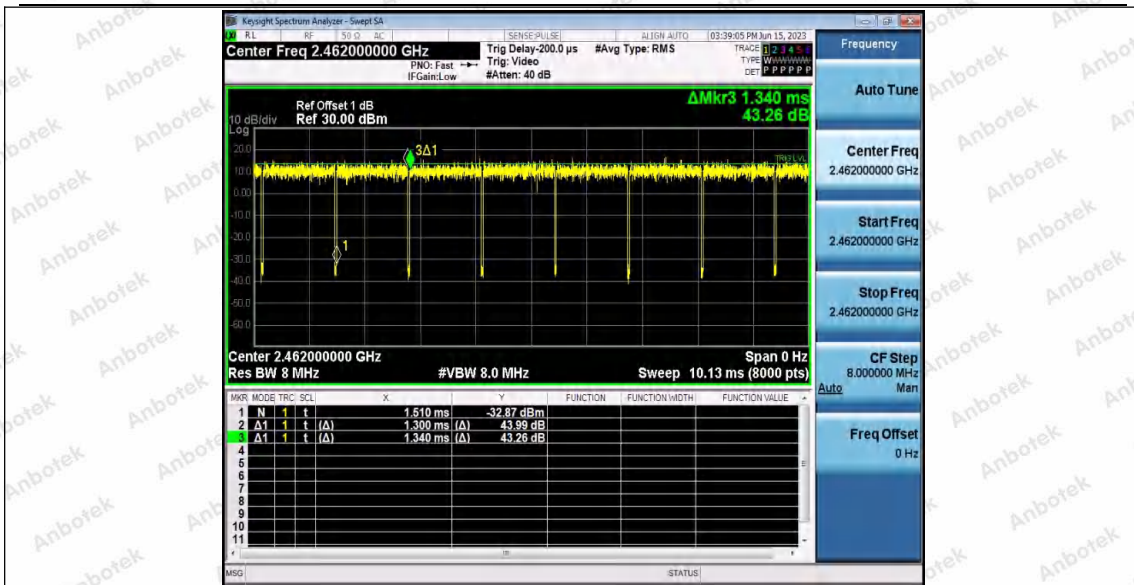
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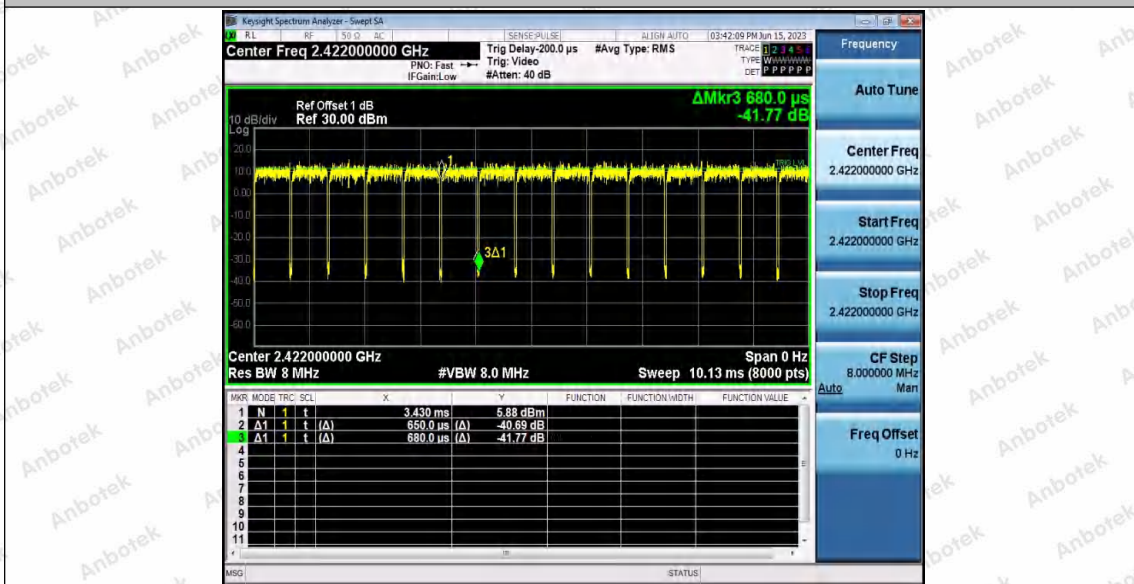
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11N40SISO\_Ant1\_2437

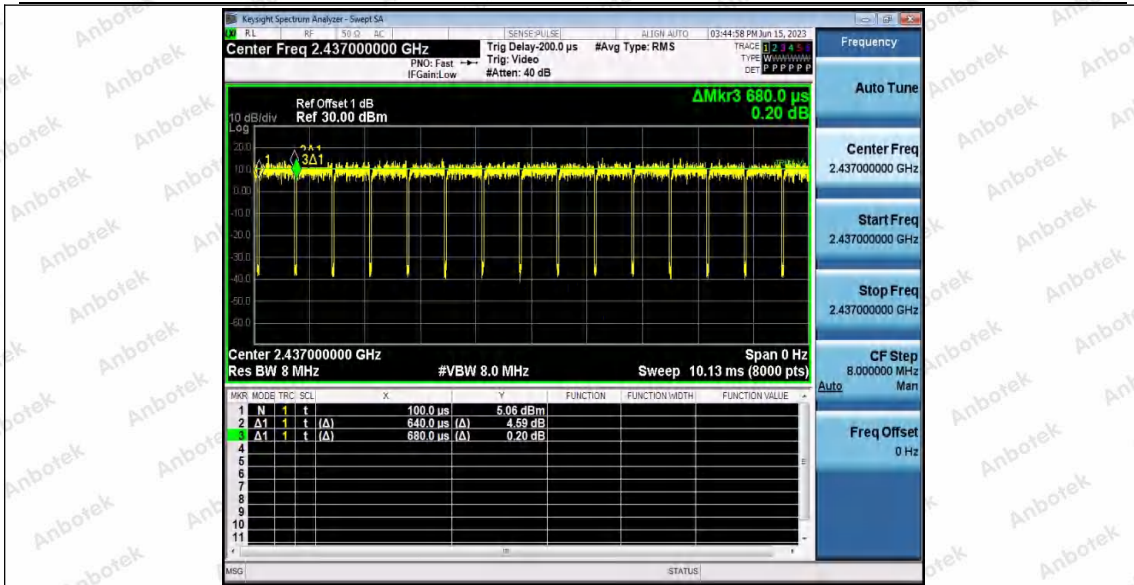
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

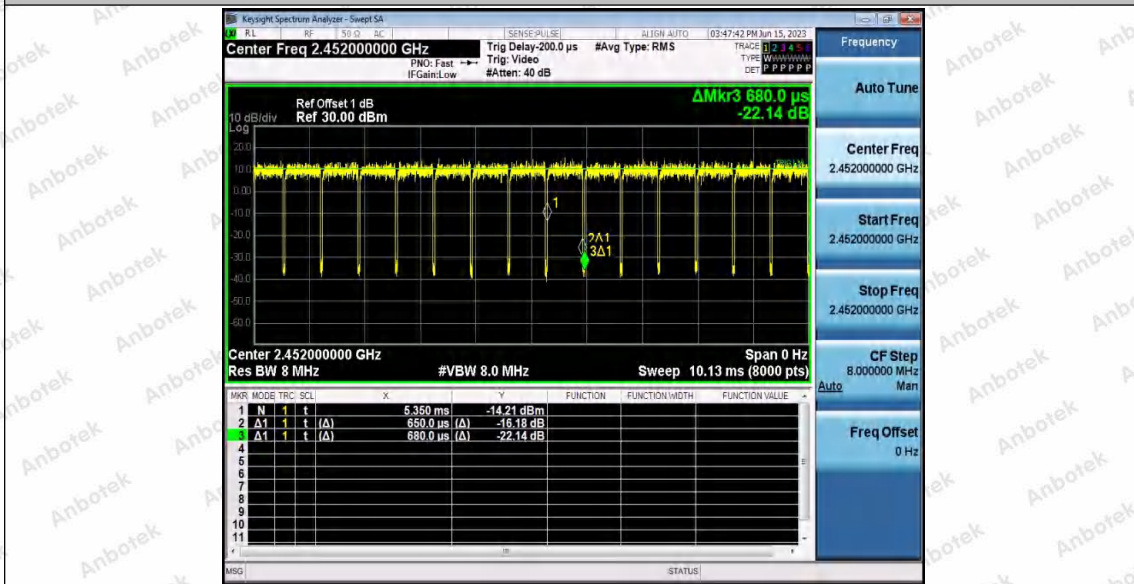


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11N40SISO\_Ant1\_2452



---End---

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