

## Appendix Test Data

Report No.:	18220WC30017202	Test Sample No.:	1-2-2
Start Test Date:	2023.2.9	Finish Test Date:	2023.2.15
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	22.3°C	Relative Humidity:	47 %
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	9.520	2407.480	2417.000	≥0.5	PASS
		2437	9.560	2432.000	2441.560	≥0.5	PASS
		2462	8.600	2457.480	2466.080	≥0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥0.5	PASS
		2437	16.320	2428.840	2445.160	≥0.5	PASS
		2462	16.360	2453.800	2470.160	≥0.5	PASS
11N20	Ant1	2412	17.640	2403.200	2420.840	≥0.5	PASS
		2437	17.600	2428.200	2445.800	≥0.5	PASS
		2462	17.640	2453.160	2470.800	≥0.5	PASS
11N40	Ant1	2422	35.580	2404.240	2439.820	≥0.5	PASS
		2437	35.460	2419.120	2454.580	≥0.5	PASS
		2452	35.700	2433.880	2469.580	≥0.5	PASS

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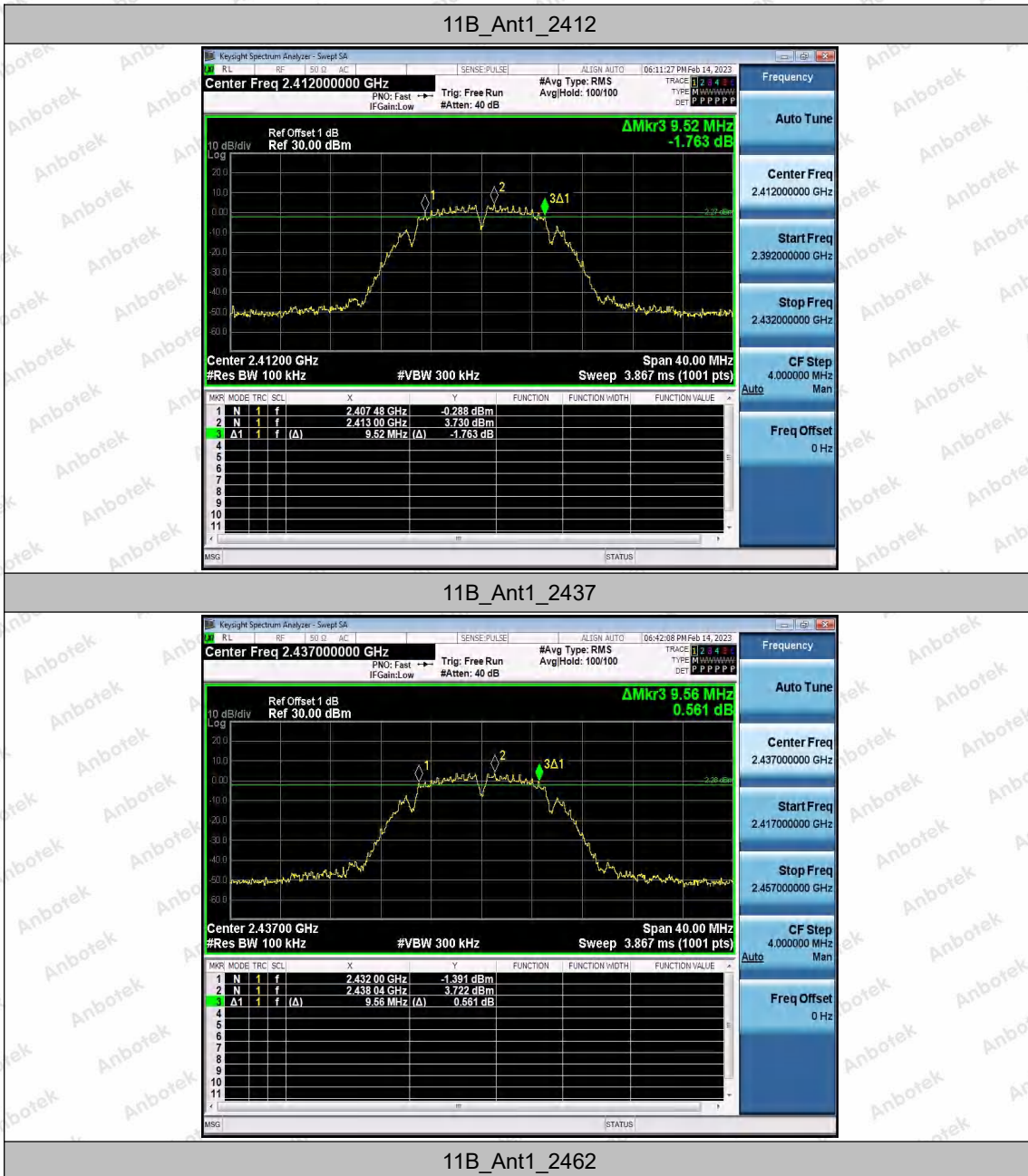
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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## Test Graphs



11B\_Ant1\_2462

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11G\_Ant1\_2412



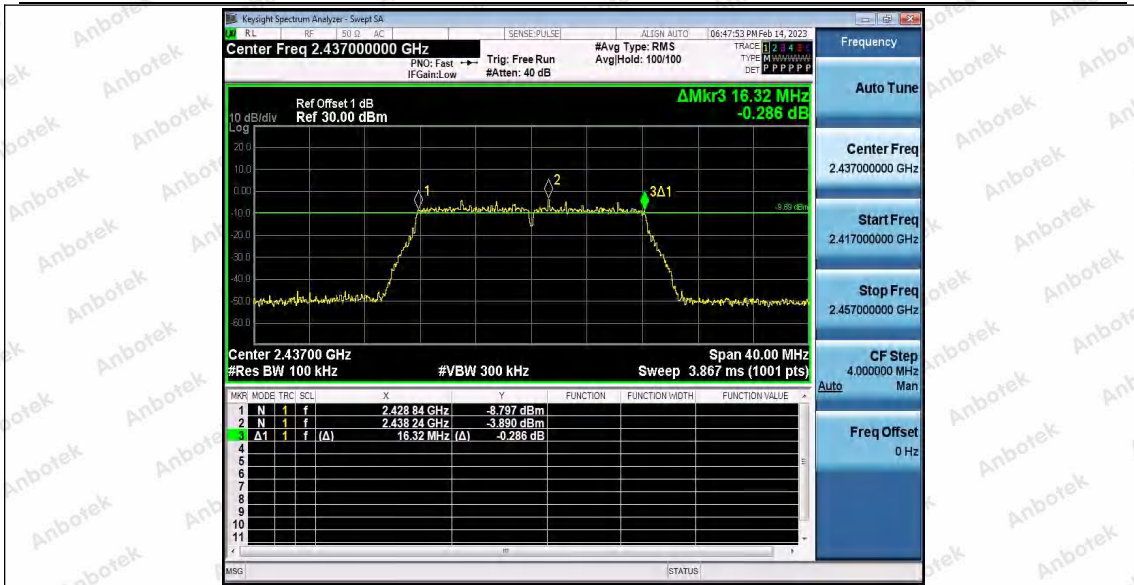
11G\_Ant1\_2437

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11G\_Ant1\_2462



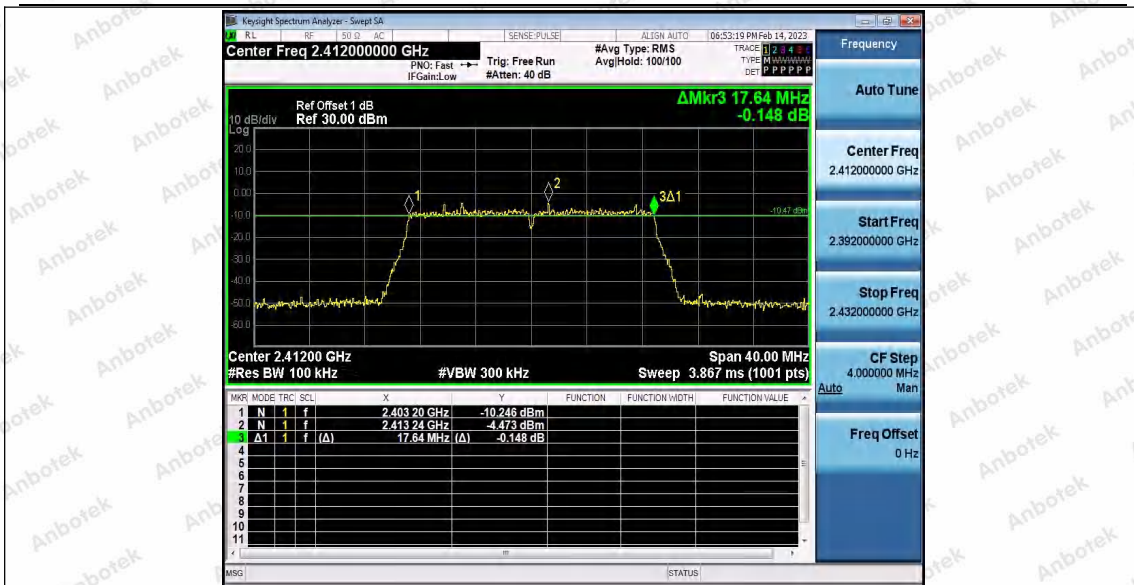
11N20\_Ant1\_2412

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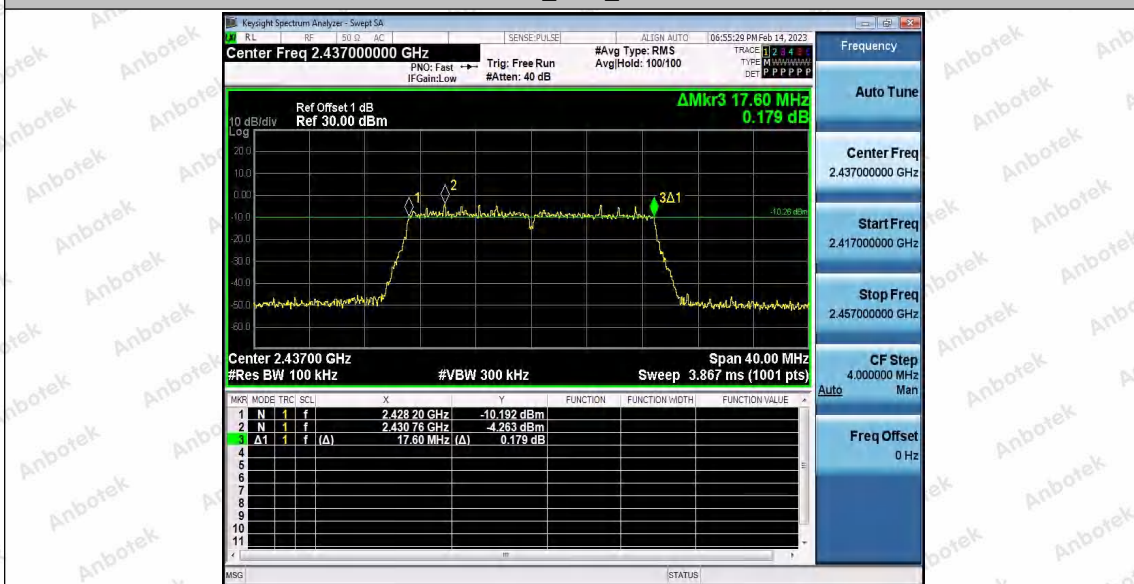
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11N20\_Ant1\_2437



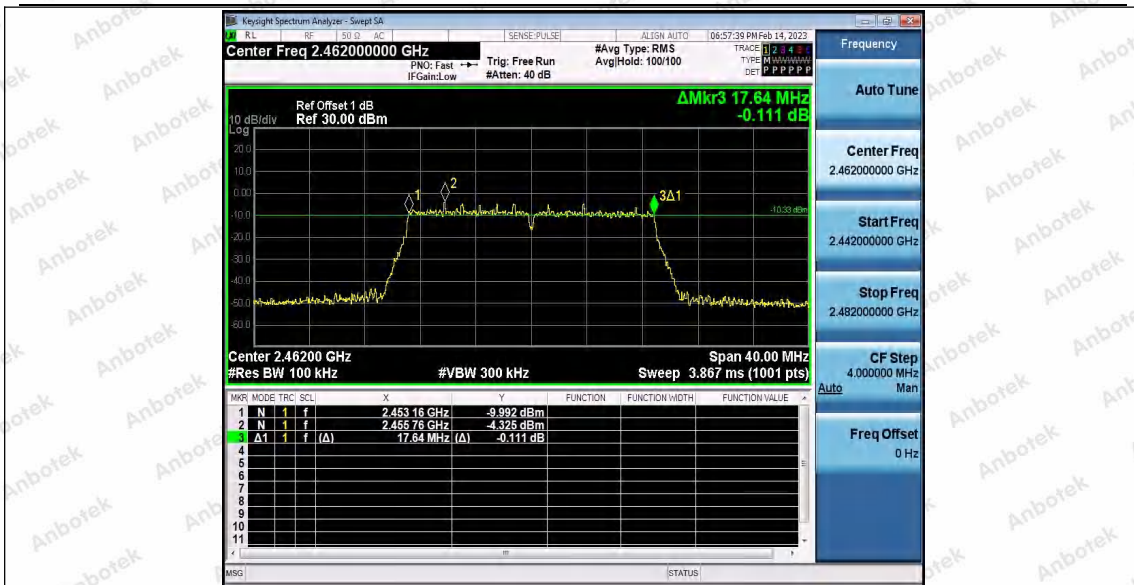
11N20\_Ant1\_2462

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11N40\_Ant1\_2422



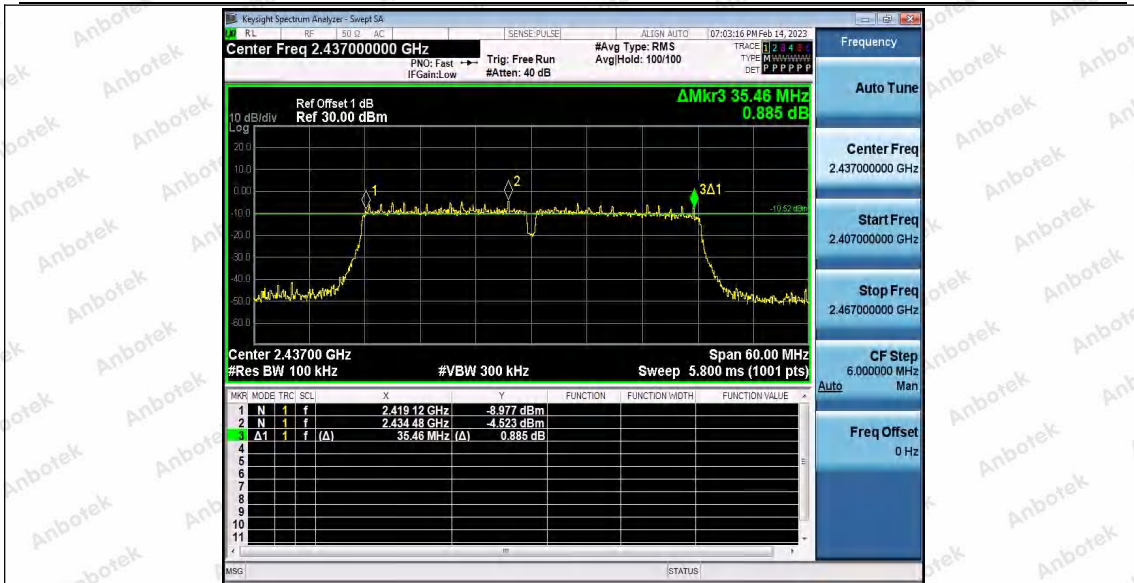
11N40\_Ant1\_2437

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11N40\_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	12.270	2405.9447	2418.2147	---	---
		2437	12.284	2430.8679	2443.1519	---	---
		2462	12.374	2455.7870	2468.1610	---	---
11G	Ant1	2412	17.129	2403.4920	2420.6210	---	---
		2437	17.119	2428.4504	2445.5694	---	---
		2462	17.154	2453.3749	2470.5289	---	---
11N20	Ant1	2412	17.940	2403.0770	2421.0170	---	---
		2437	17.915	2428.0407	2445.9557	---	---
		2462	18.021	2453.0186	2471.0396	---	---
11N40	Ant1	2422	36.081	2404.0300	2440.1110	---	---
		2437	36.111	2418.9345	2455.0455	---	---
		2452	36.142	2433.9027	2470.0447	---	---





## Test Graphs



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11G\_Ant1\_2412



11G\_Ant1\_2437

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11G\_Ant1\_2462



11N20\_Ant1\_2412

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11N20\_Ant1\_2437



11N20\_Ant1\_2462

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11N40\_Ant1\_2422



11N40\_Ant1\_2437

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11N40\_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	16.24	≤30.00
		2437	16.08	≤30.00
		2462	16.09	≤30.00
11G	Ant1	2412	14.40	≤30.00
		2437	14.48	≤30.00
		2462	14.41	≤30.00
11N20	Ant1	2412	14.34	≤30.00
		2437	14.14	≤30.00
		2462	14.29	≤30.00
11N40	Ant1	2422	14.58	≤30.00
		2437	14.09	≤30.00
		2452	13.90	≤30.00



## Appendix D: Maximum power spectral density

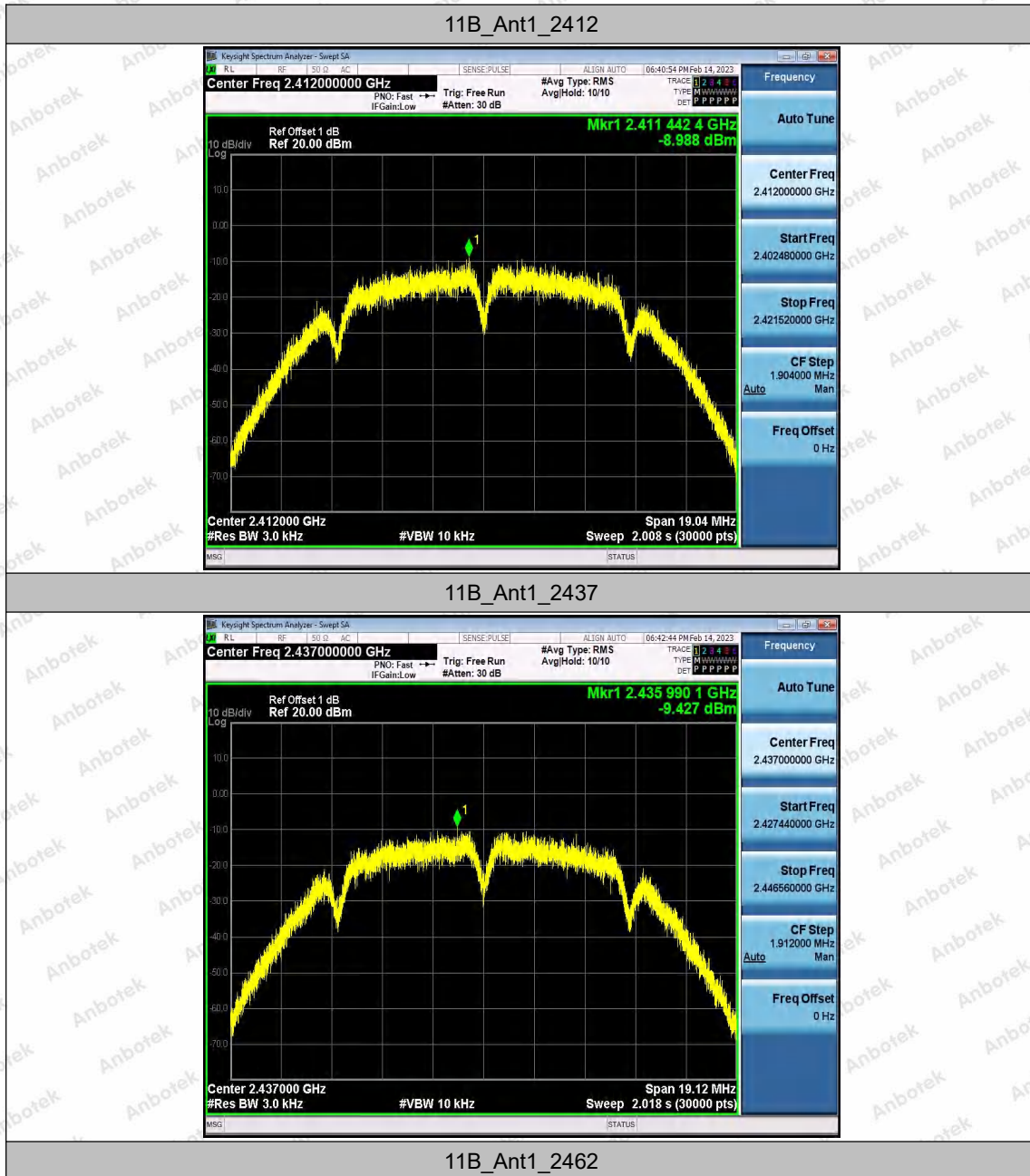
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.99	≤8.00	PASS
		2437	-9.43	≤8.00	PASS
		2462	-10.5	≤8.00	PASS
11G	Ant1	2412	-17.27	≤8.00	PASS
		2437	-17.82	≤8.00	PASS
		2462	-17.82	≤8.00	PASS
11N20	Ant1	2412	-17.51	≤8.00	PASS
		2437	-18.28	≤8.00	PASS
		2462	-18.52	≤8.00	PASS
11N40	Ant1	2422	-17.92	≤8.00	PASS
		2437	-18.25	≤8.00	PASS
		2452	-18.9	≤8.00	PASS





## Test Graphs



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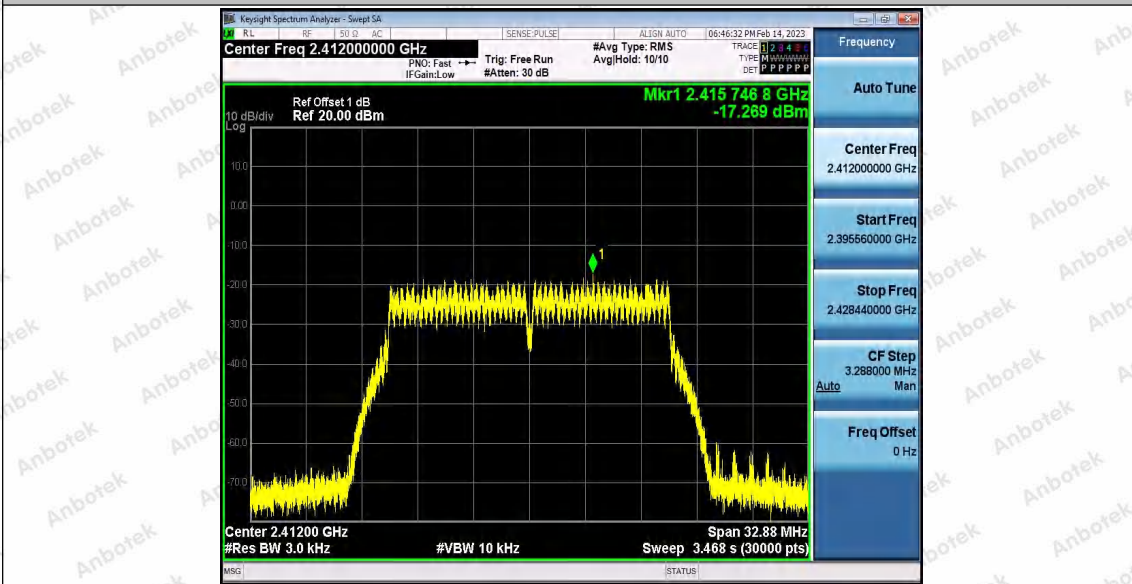
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2412



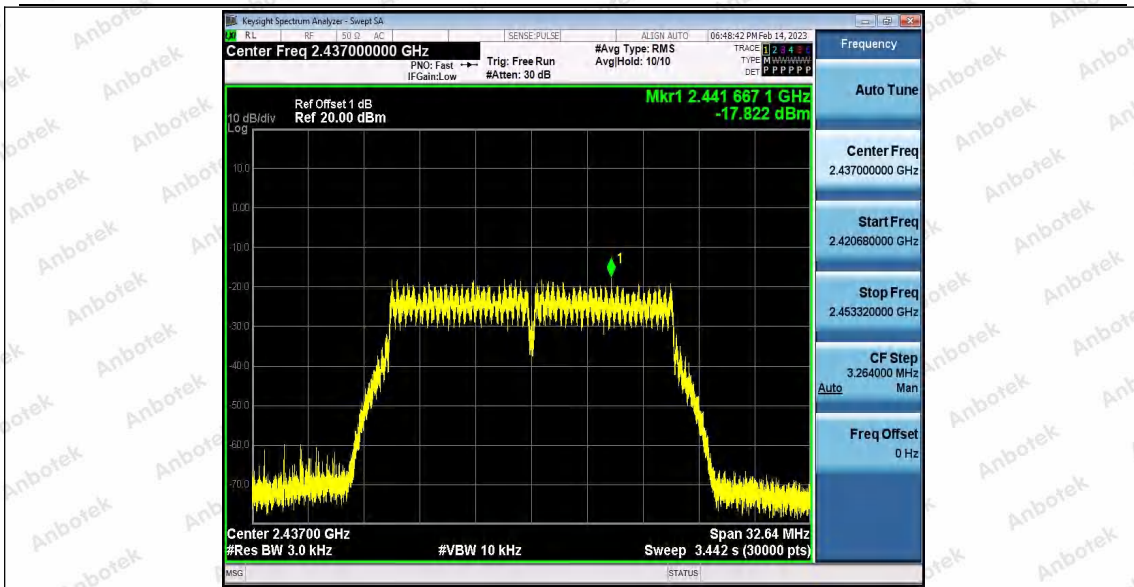
11G\_Ant1\_2437

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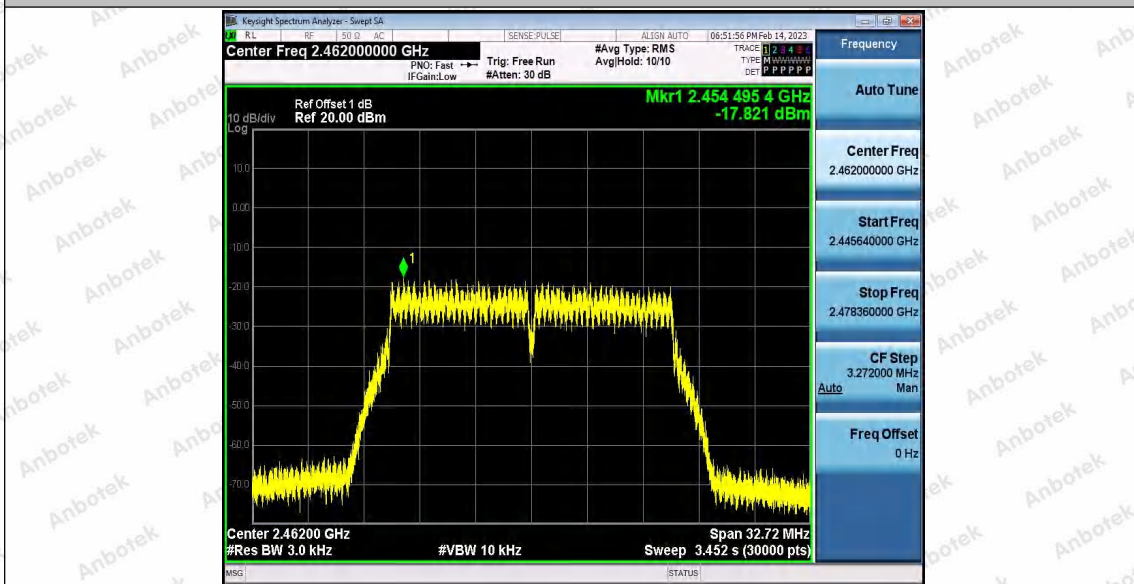
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462



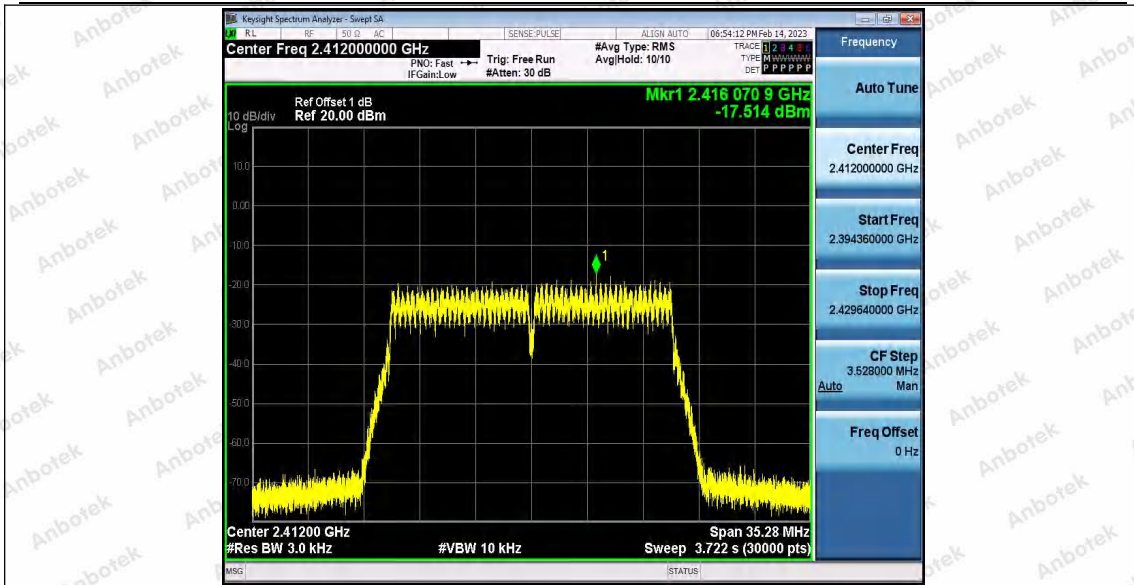
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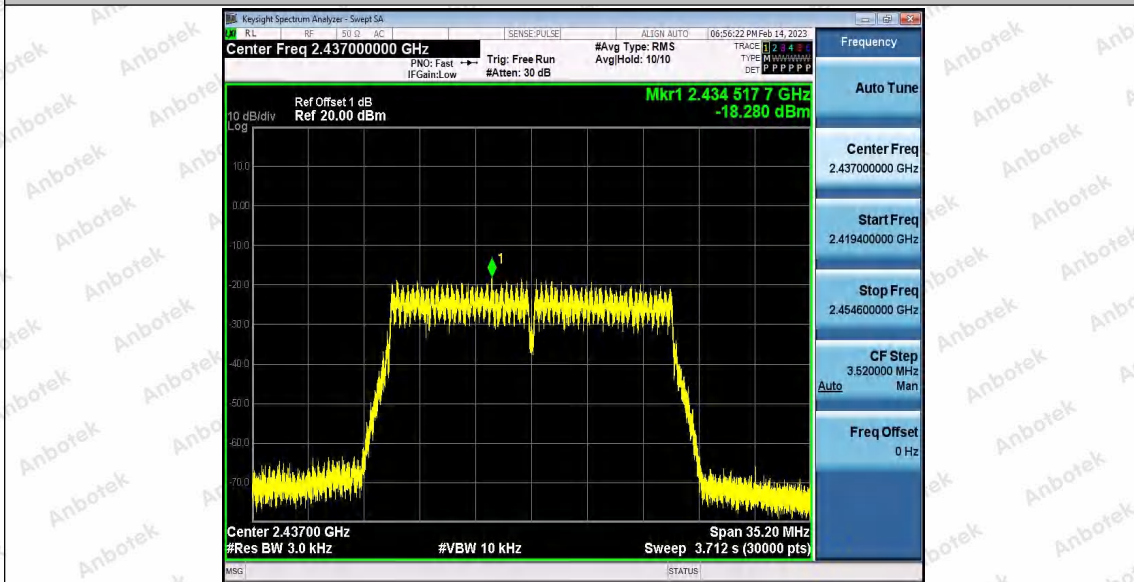
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20\_Ant1\_2437



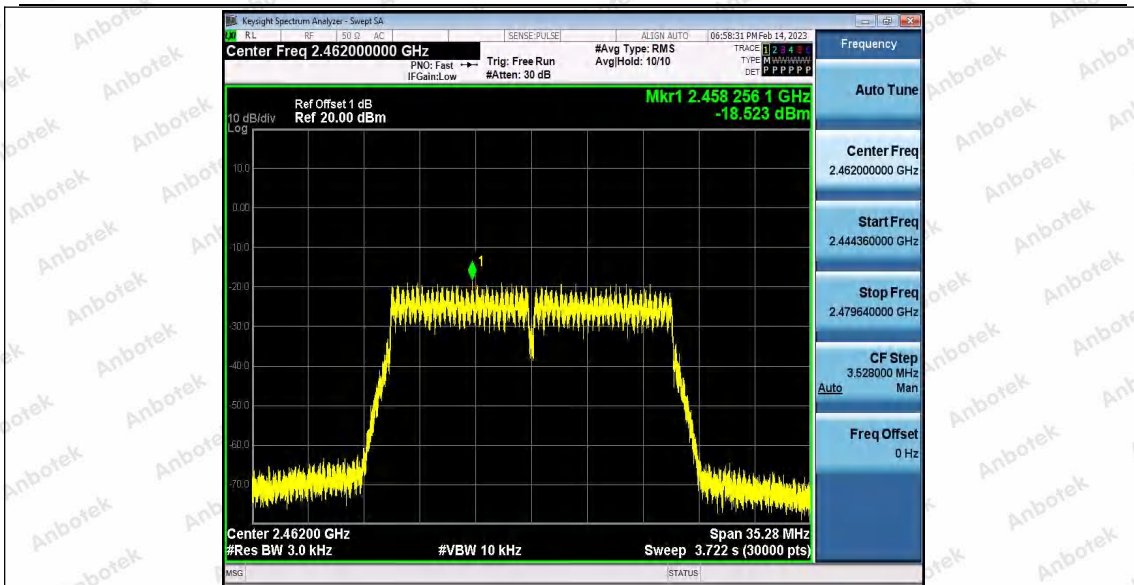
11N20\_Ant1\_2462

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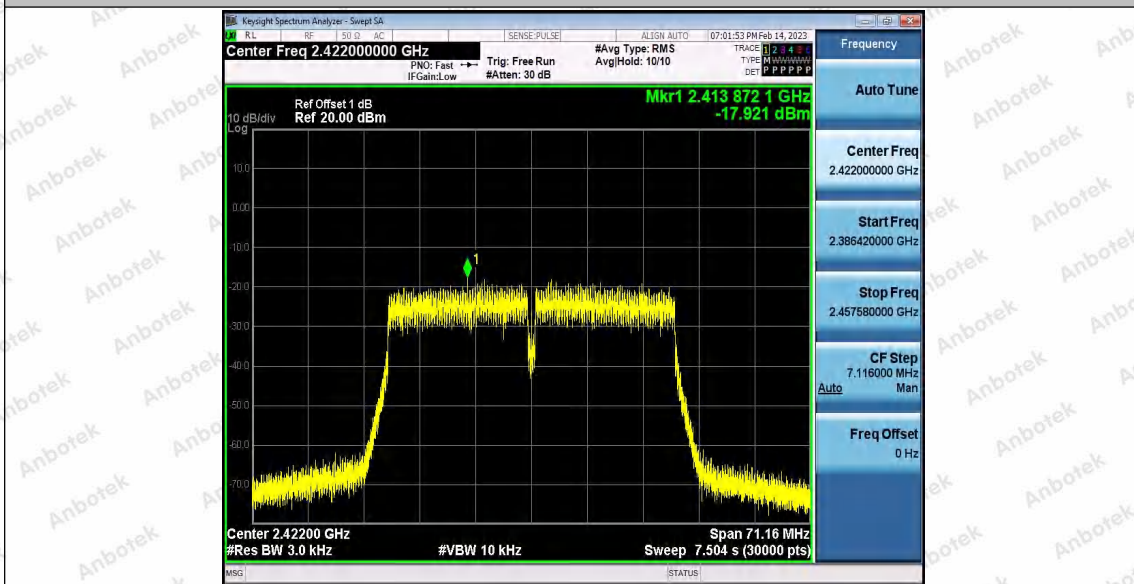
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11N40\_Ant1\_2422



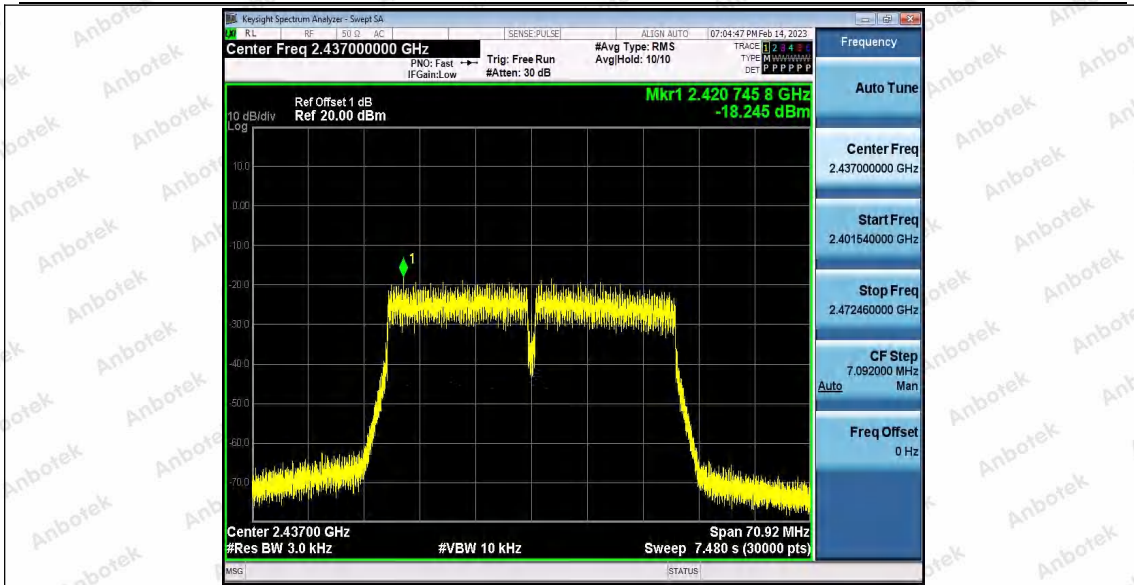
11N40\_Ant1\_2437

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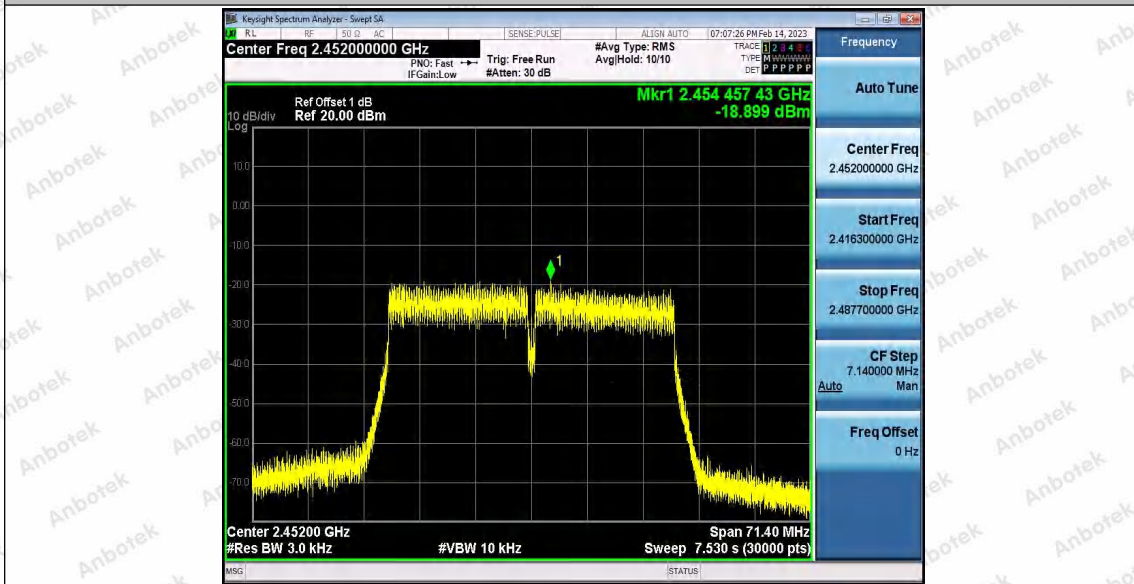
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11N40\_Ant1\_2452



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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	3.99	-49.92	≤-16.01	PASS
		High	2462	4.19	-56.34	≤-15.81	PASS
11G	Ant1	Low	2412	-4.12	-51.28	≤-24.12	PASS
		High	2462	-3.79	-54.46	≤-23.79	PASS
11N20	Ant1	Low	2412	-4.60	-49.92	≤-24.6	PASS
		High	2462	-4.41	-54.14	≤-24.41	PASS
11N40	Ant1	Low	2422	-4.44	-43.36	≤-24.44	PASS
		High	2452	-4.57	-49.19	≤-24.57	PASS



## Test Graphs



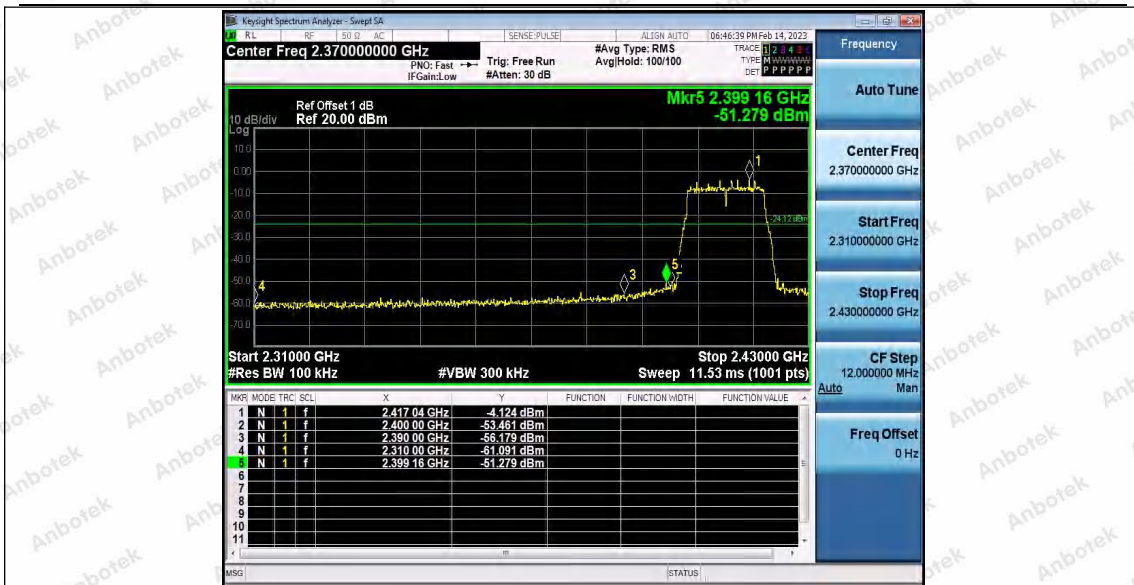
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11G\_Ant1\_High\_2462



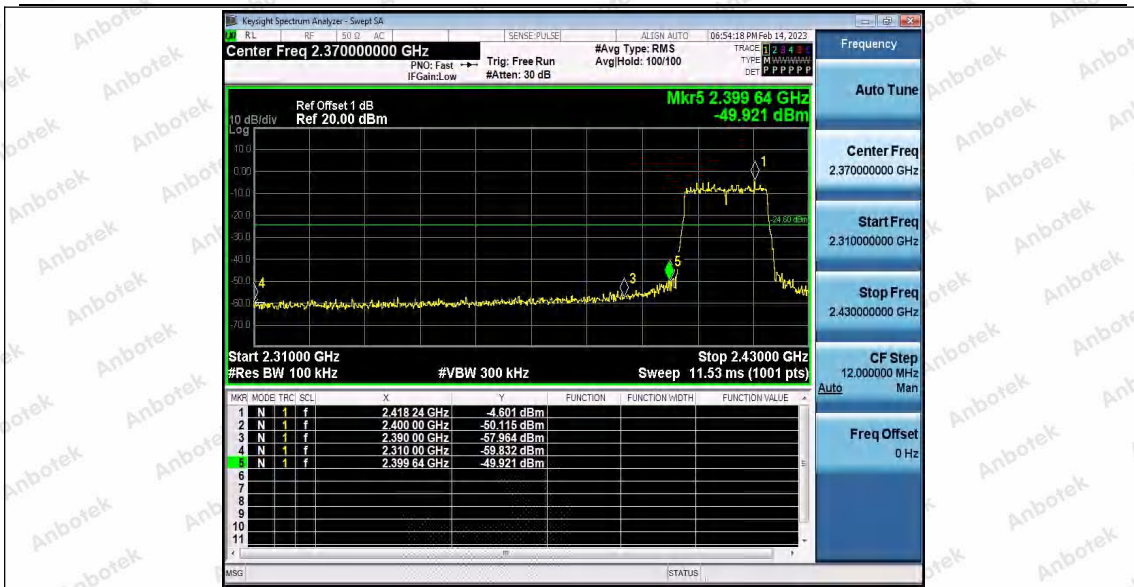
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11N20\_Ant1\_High\_2462



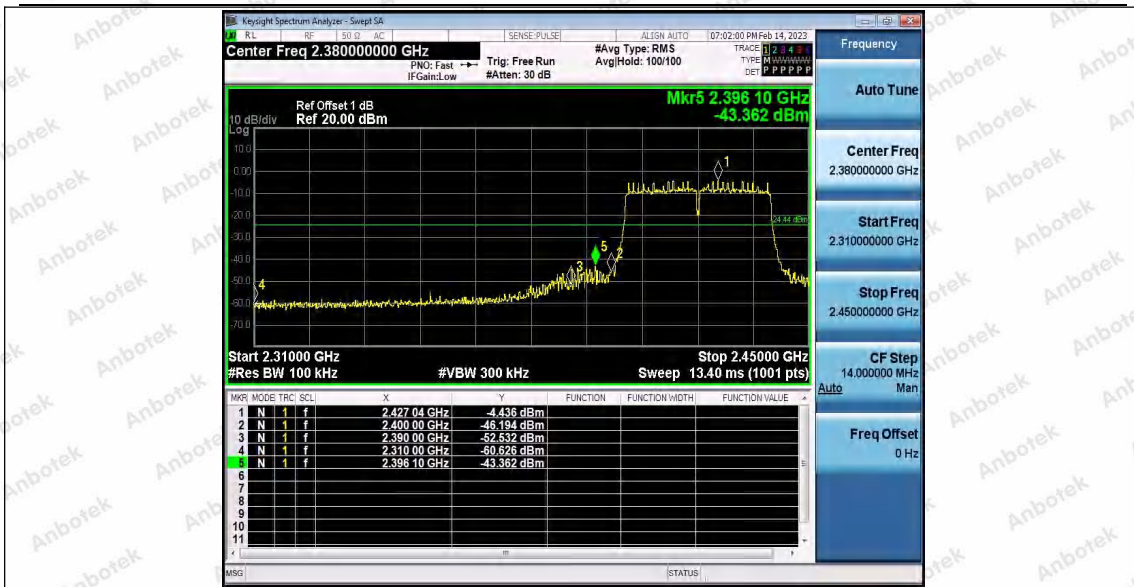
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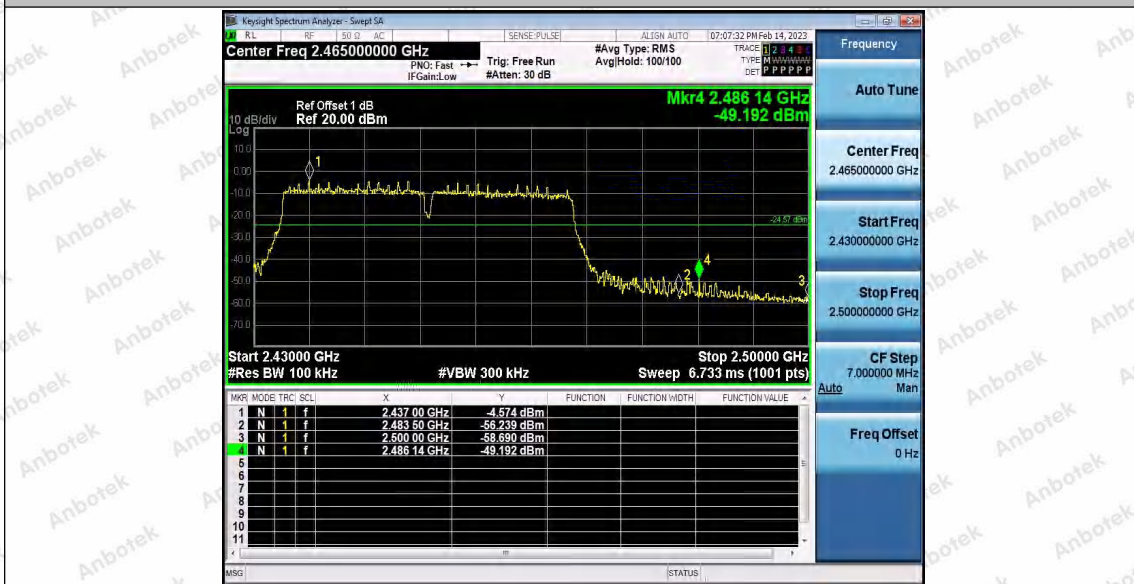
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11N40\_Ant1\_High\_2452



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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	3.24	3.24	---	PASS
			30~1000	3.24	-68.52	≤-16.76	PASS
			1000~26500	3.24	-50.34	≤-16.76	PASS
		2437	Reference	3.26	3.26	---	PASS
			30~1000	3.26	-69.09	≤-16.74	PASS
			1000~26500	3.26	-46.66	≤-16.74	PASS
		2462	Reference	1.70	1.70	---	PASS
			30~1000	1.70	-68.3	≤-18.3	PASS
			1000~26500	1.70	-53.11	≤-18.3	PASS
11G	Ant1	2412	Reference	-7.27	-7.27	---	PASS
			30~1000	-7.27	-68.88	≤-27.27	PASS
			1000~26500	-7.27	-43.9	≤-27.27	PASS
		2437	Reference	-7.50	-7.50	---	PASS
			30~1000	-7.50	-69.06	≤-27.5	PASS
			1000~26500	-7.50	-53.16	≤-27.5	PASS
		2462	Reference	-3.89	-3.89	---	PASS
			30~1000	-3.89	-69.15	≤-23.89	PASS
			1000~26500	-3.89	-53.42	≤-23.89	PASS
11N20	Ant1	2412	Reference	-4.19	-4.19	---	PASS
			30~1000	-4.19	-51.21	≤-24.19	PASS
			1000~26500	-4.19	-53.42	≤-24.19	PASS
		2437	Reference	-4.30	-4.30	---	PASS
			30~1000	-4.30	-68.95	≤-24.3	PASS
			1000~26500	-4.30	-53.81	≤-24.3	PASS
		2462	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-54.13	≤-24.38	PASS
			1000~26500	-4.38	-53.03	≤-24.38	PASS
11N40	Ant1	2422	Reference	-4.83	-4.83	---	PASS
			30~1000	-4.83	-69.1	≤-24.83	PASS
			1000~26500	-4.83	-43.59	≤-24.83	PASS
		2437	Reference	-4.75	-4.75	---	PASS
			30~1000	-4.75	-69.06	≤-24.75	PASS
			1000~26500	-4.75	-54.16	≤-24.75	PASS
		2452	Reference	-5.59	-5.59	---	PASS
			30~1000	-5.59	-68.33	≤-25.59	PASS

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		1000~26500	-5.59	-53.43	≤-25.59	PASS
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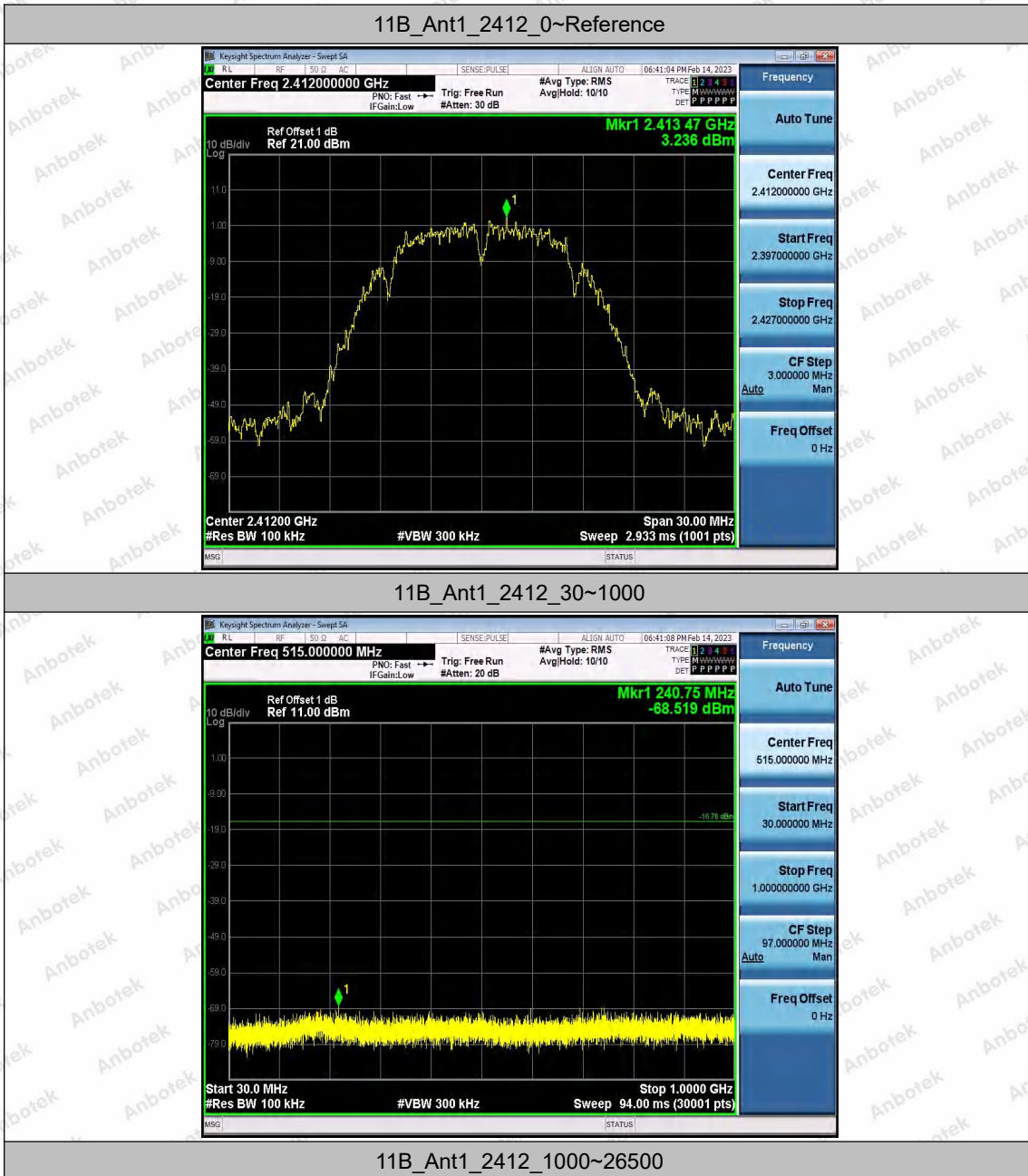
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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## Test Graphs

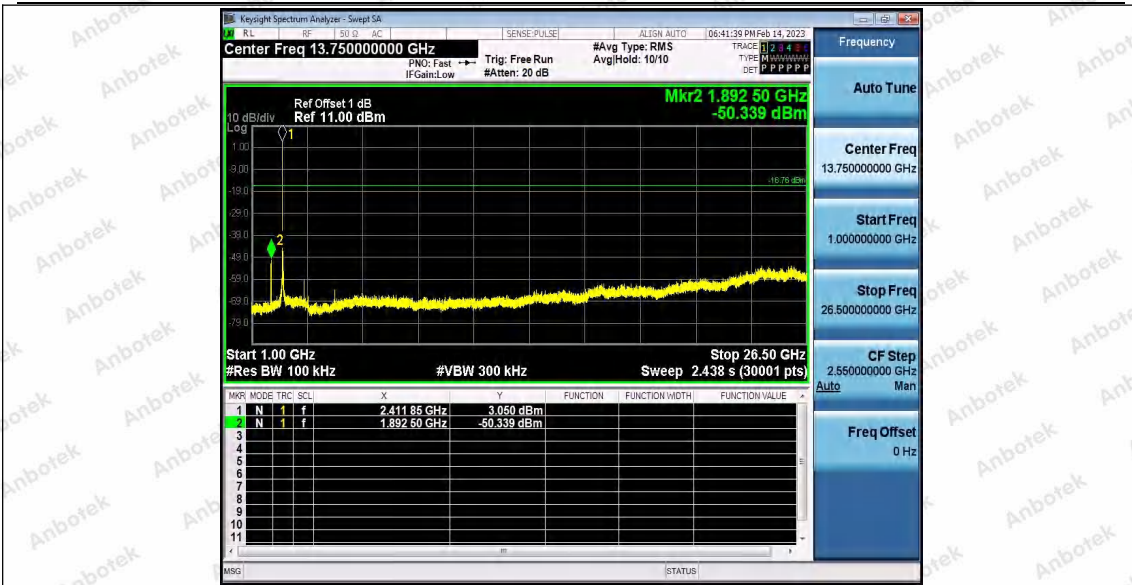


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11B\_Ant1\_2437\_0~Reference



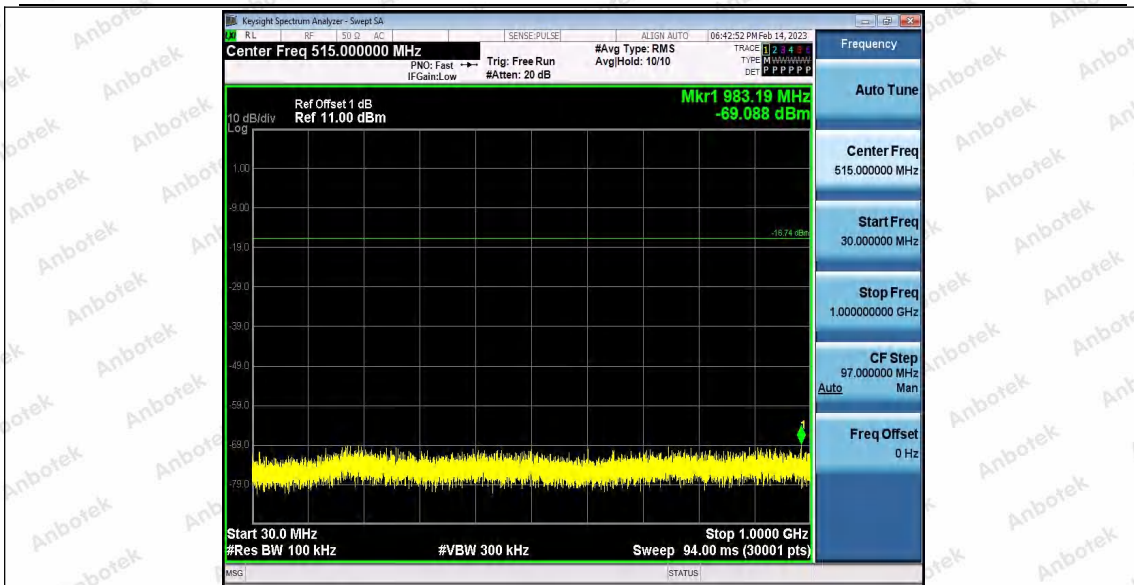
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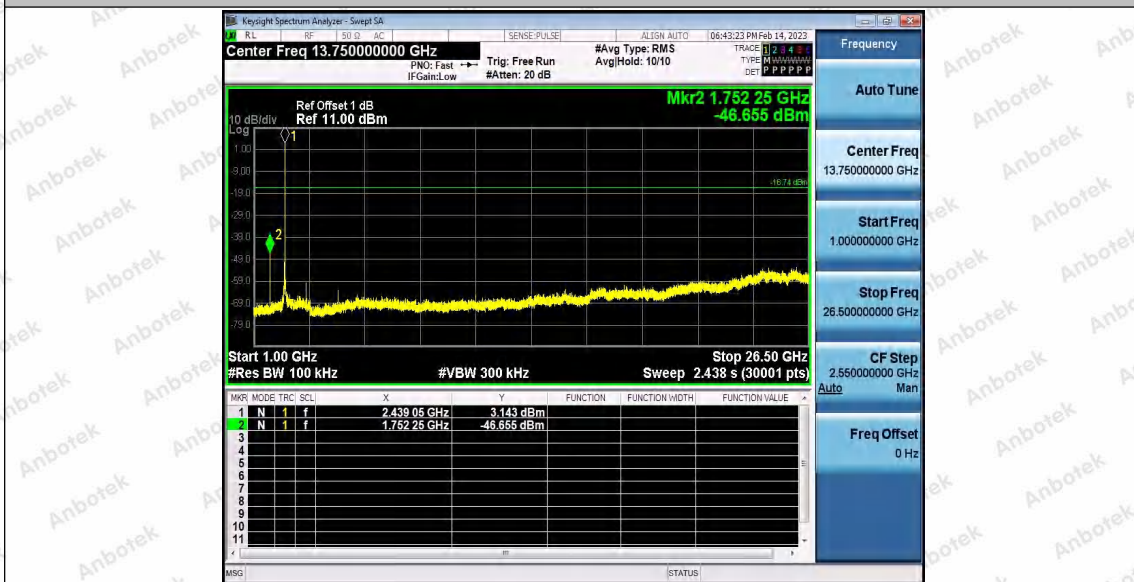
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11B\_Ant1\_2437\_1000~26500



11B\_Ant1\_2462\_0~Reference

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11B\_Ant1\_2462\_30~1000



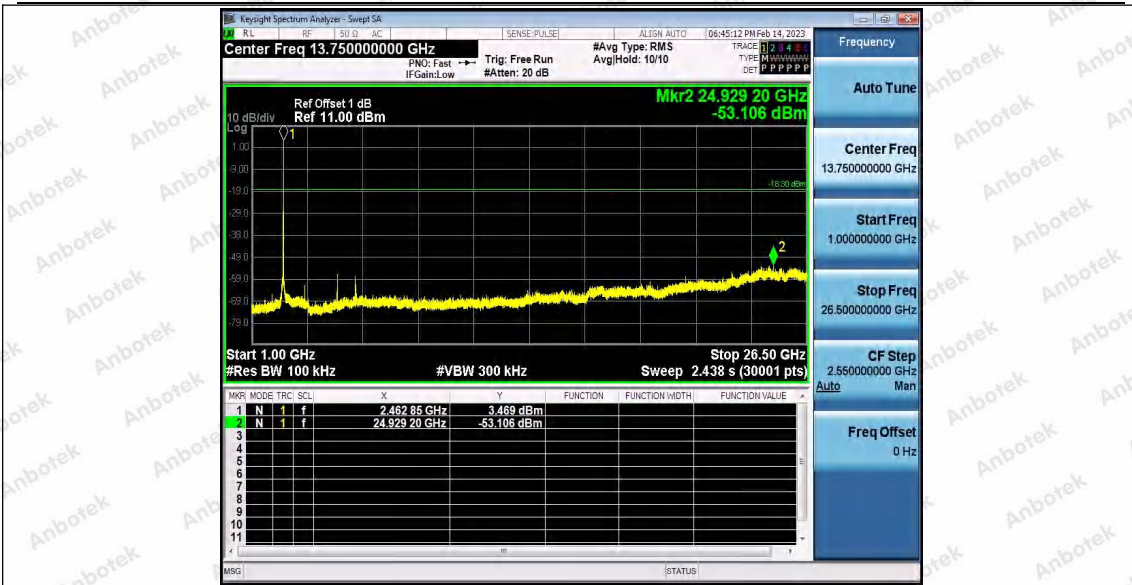
11B\_Ant1\_2462\_1000~26500

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11G\_Ant1\_2412\_0~Reference



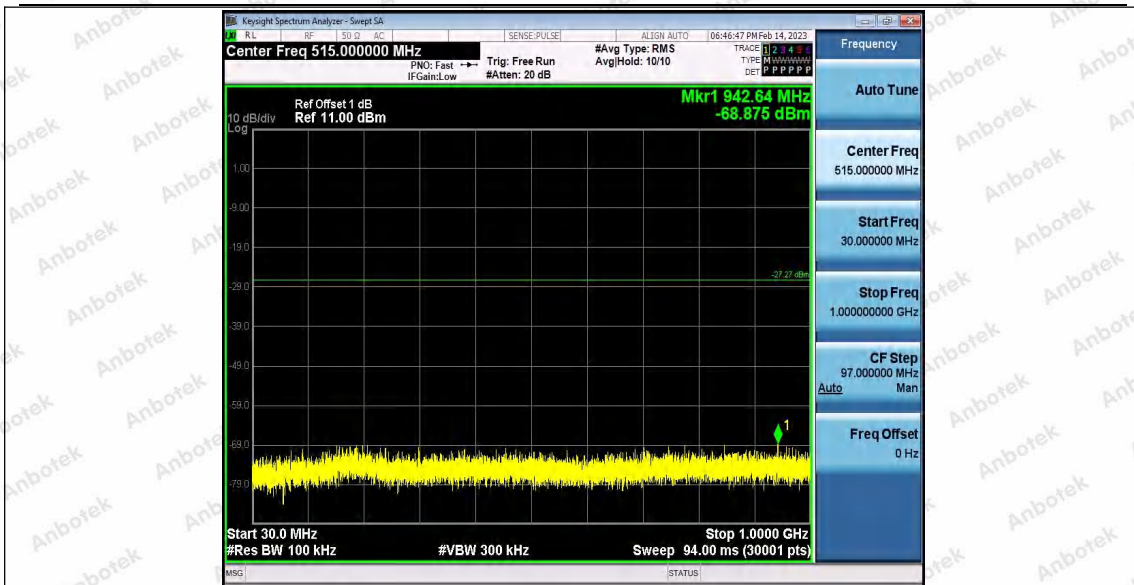
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11G\_Ant1\_2412\_1000~26500



11G\_Ant1\_2437\_0~Reference

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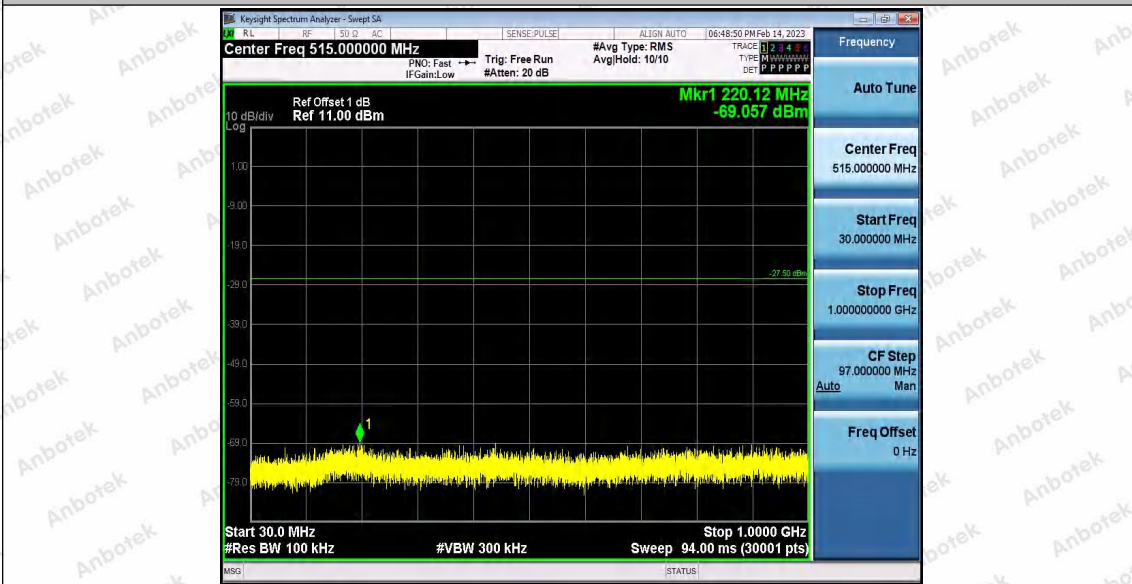
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11G\_Ant1\_2437\_30~1000



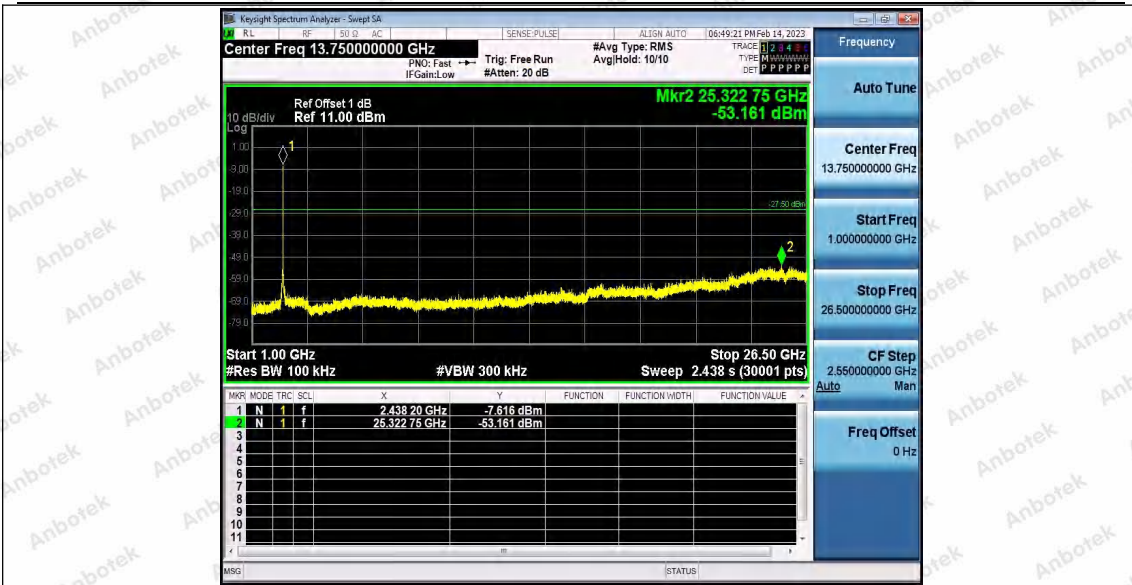
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11G\_Ant1\_2462\_0~Reference



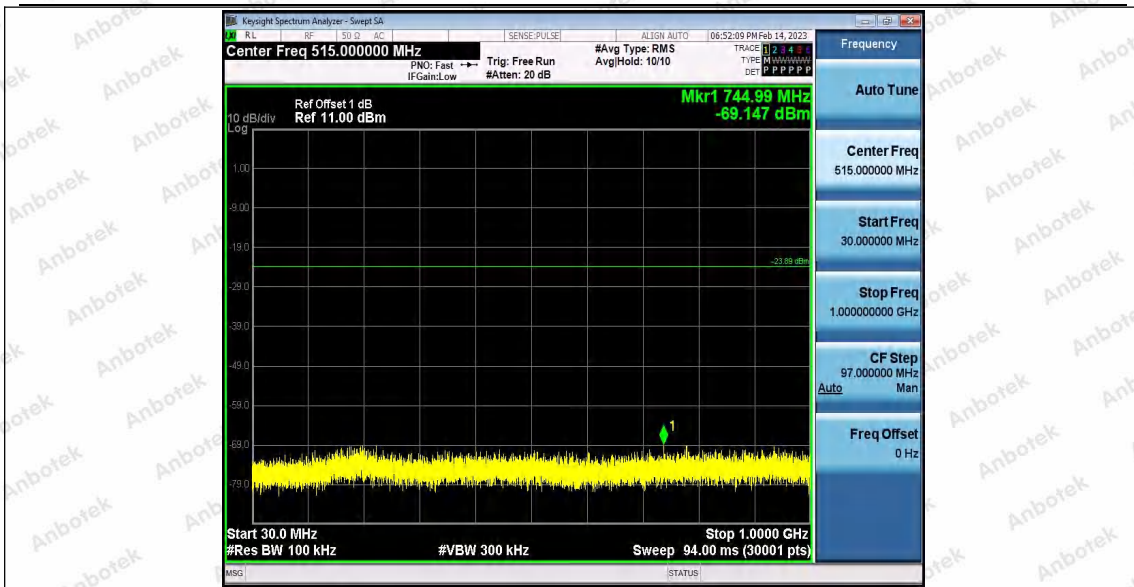
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## Shenzhen Anbotek Compliance Laboratory Limited

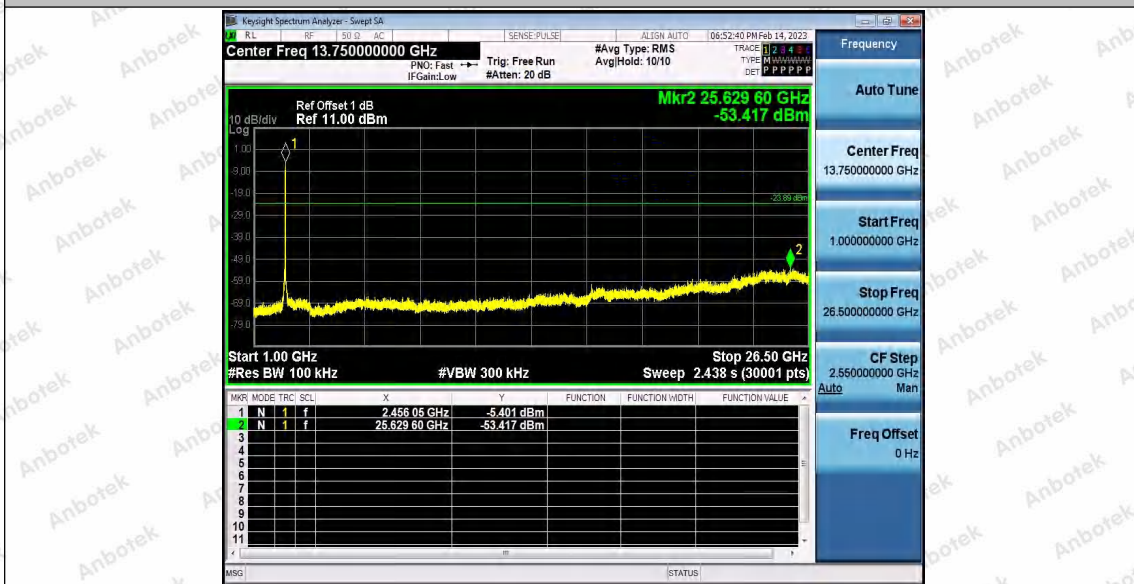
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11G\_Ant1\_2462\_1000~26500



11N20\_Ant1\_2412\_0~Reference

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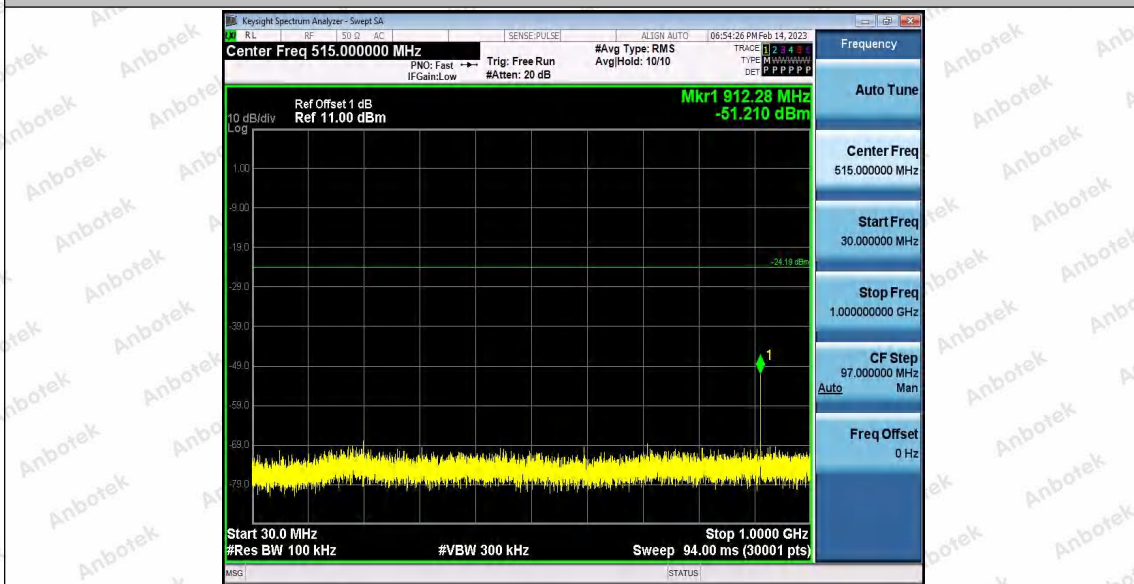
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20\_Ant1\_2412\_30~1000



11N20\_Ant1\_2412\_1000~26500

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11N20\_Ant1\_2437\_0~Reference



11N20\_Ant1\_2437\_30~1000

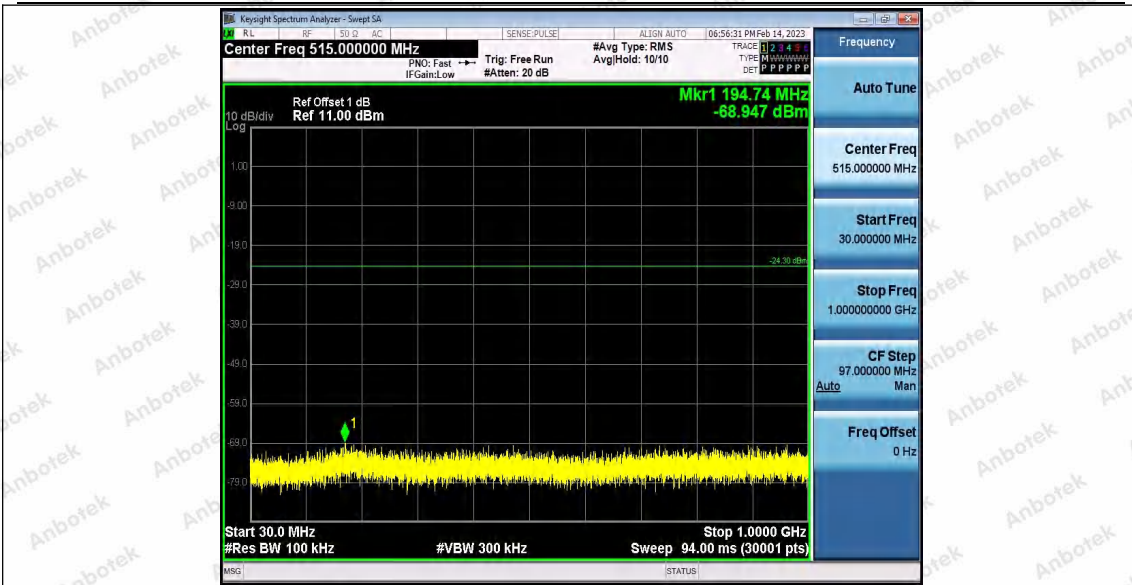
## Shenzhen Anbotek Compliance Laboratory Limited

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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11N20\_Ant1\_2437\_1000~26500



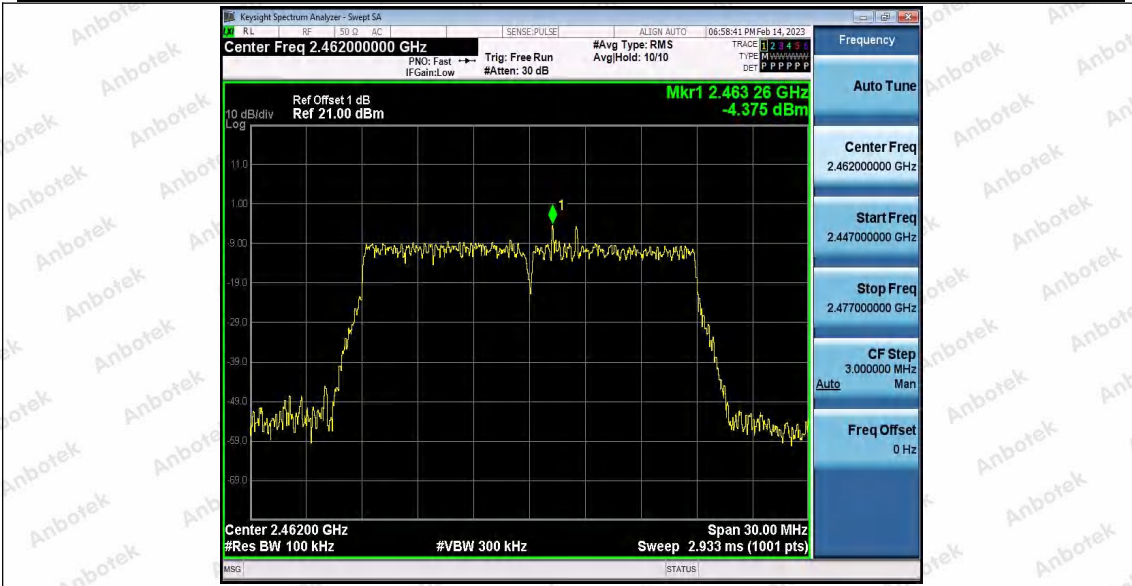
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## Shenzhen Anbotek Compliance Laboratory Limited

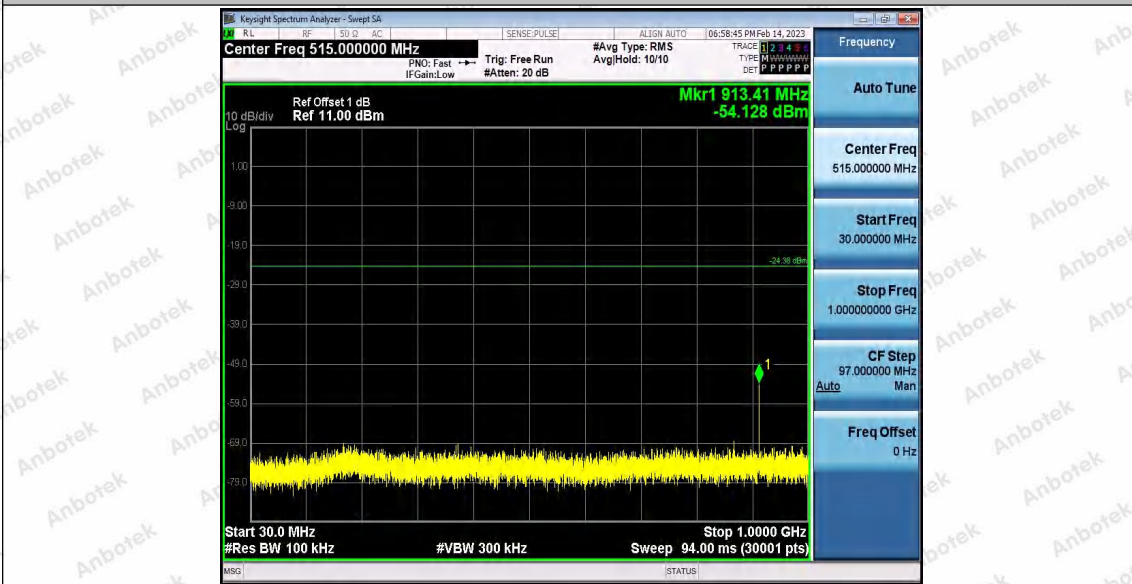
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20\_Ant1\_2462\_30~1000



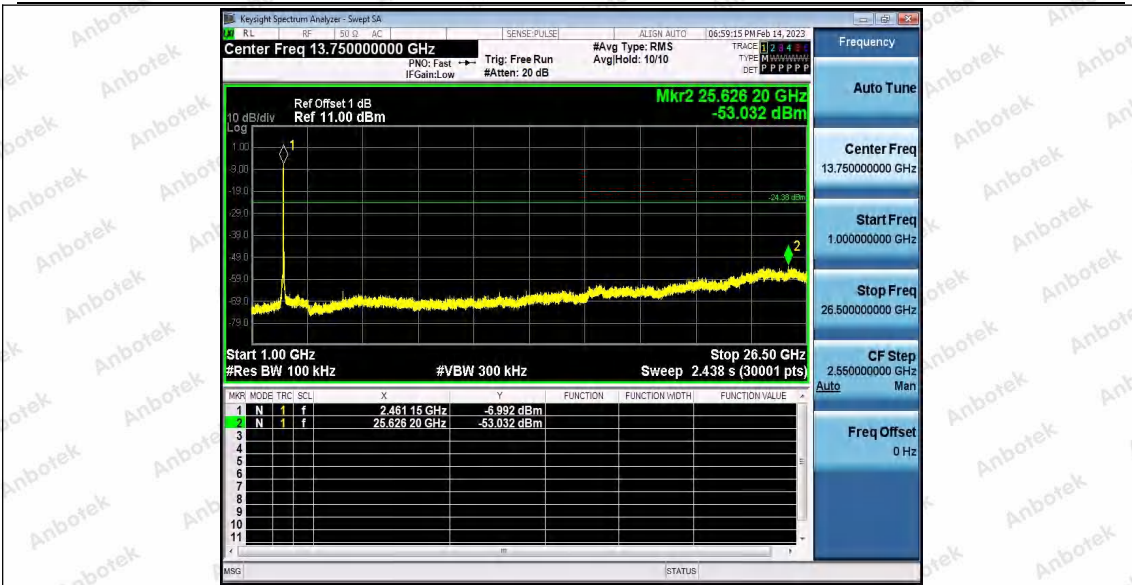
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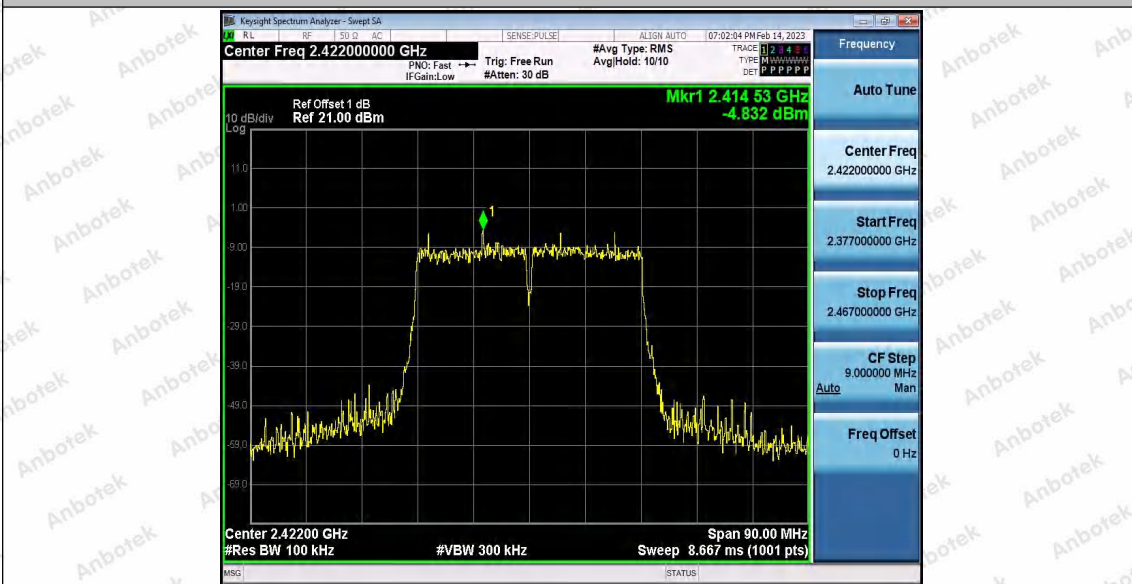
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11N40\_Ant1\_2422\_0~Reference



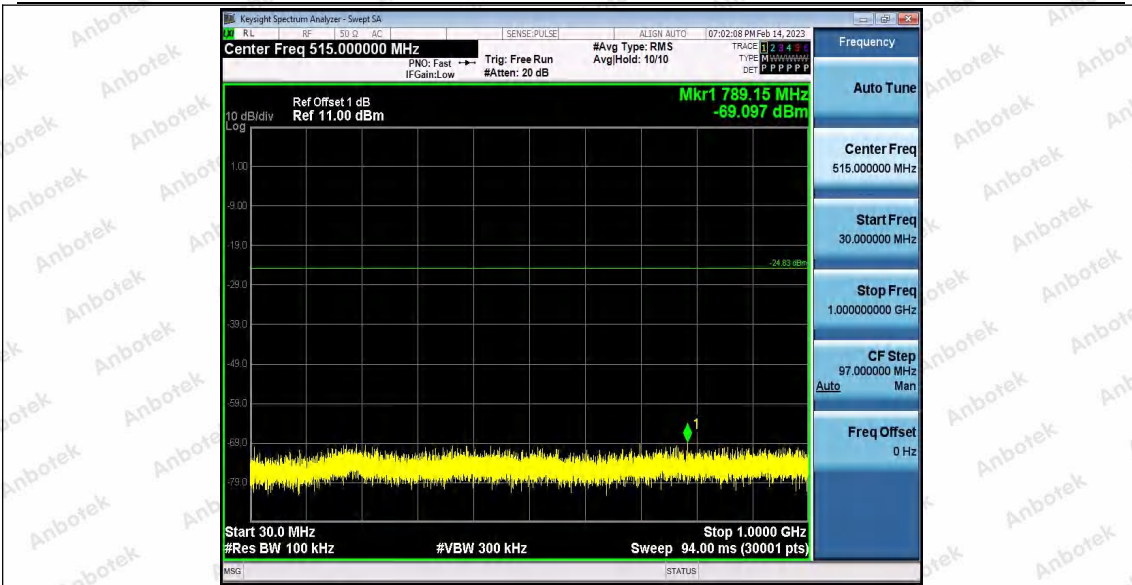
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## Shenzhen Anbotek Compliance Laboratory Limited

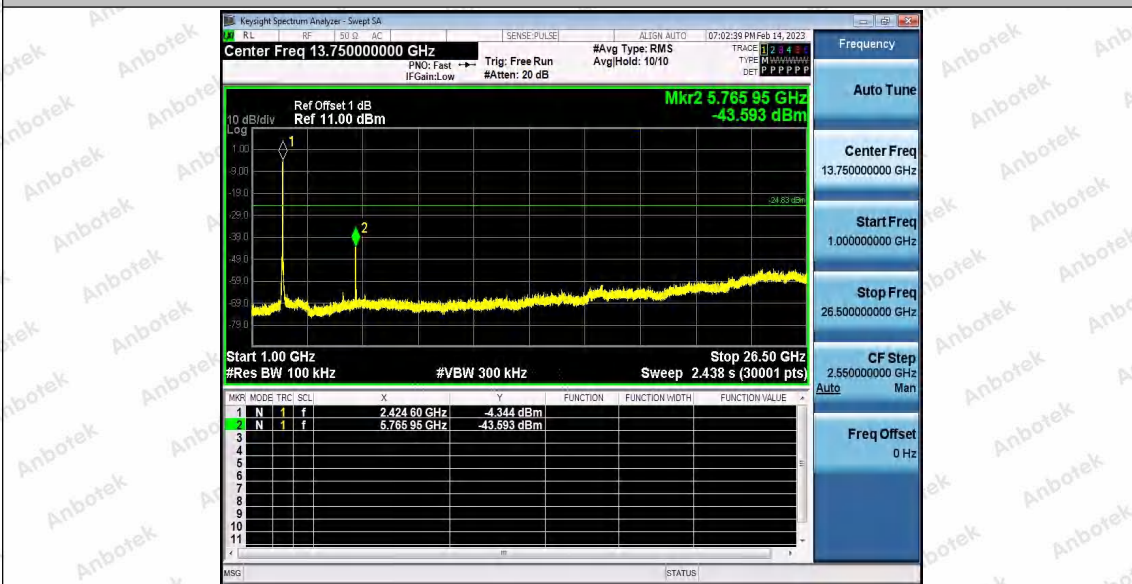
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11N40\_Ant1\_2422\_1000~26500



11N40\_Ant1\_2437\_0~Reference

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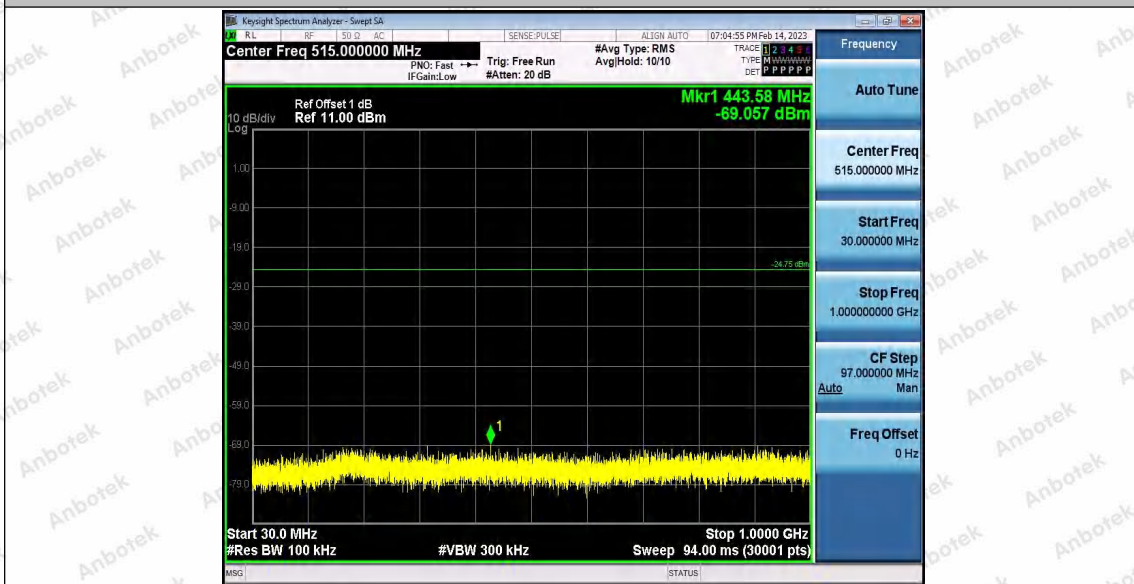
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11N40\_Ant1\_2437\_30~1000



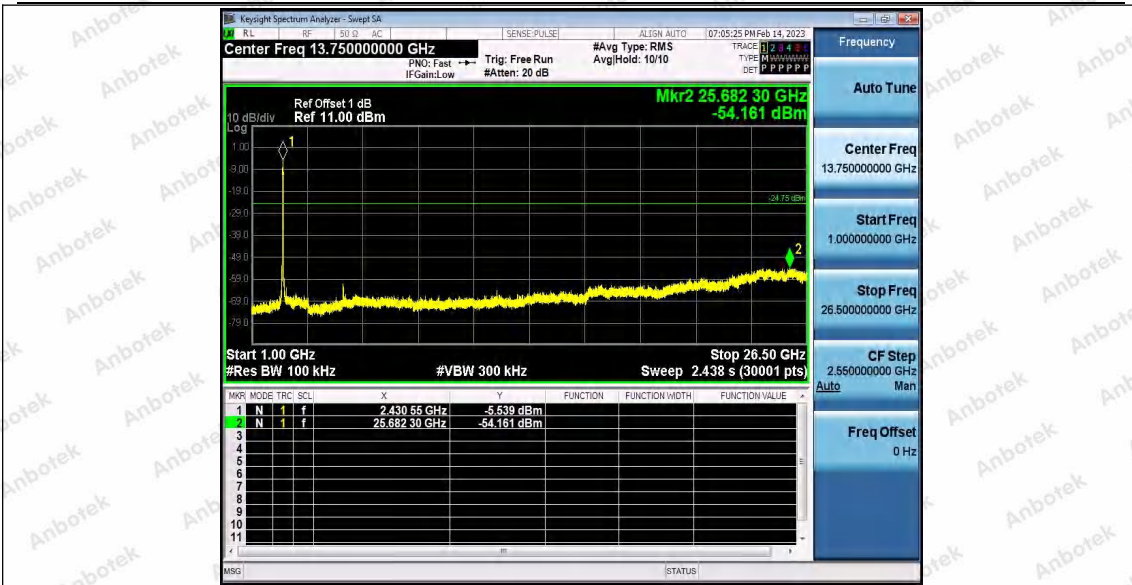
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## Shenzhen Anbotek Compliance Laboratory Limited

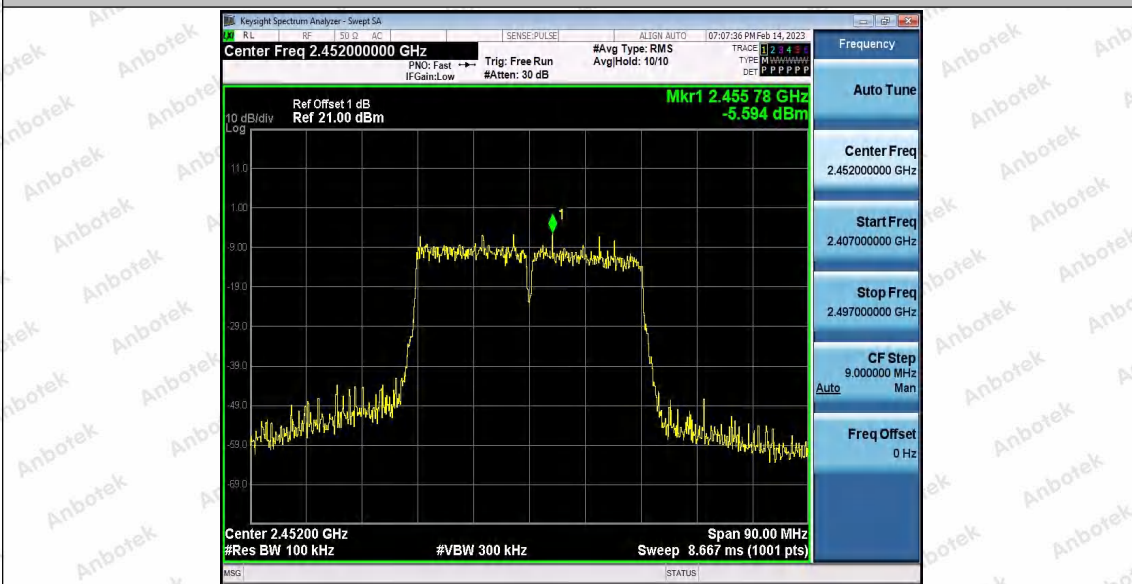
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11N40\_Ant1\_2452\_0~Reference



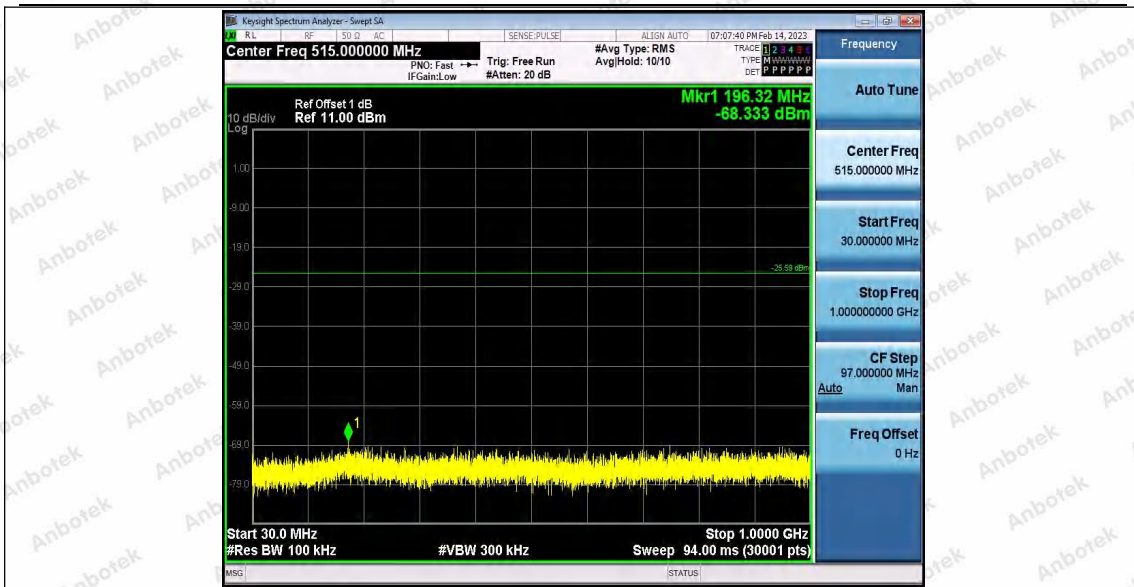
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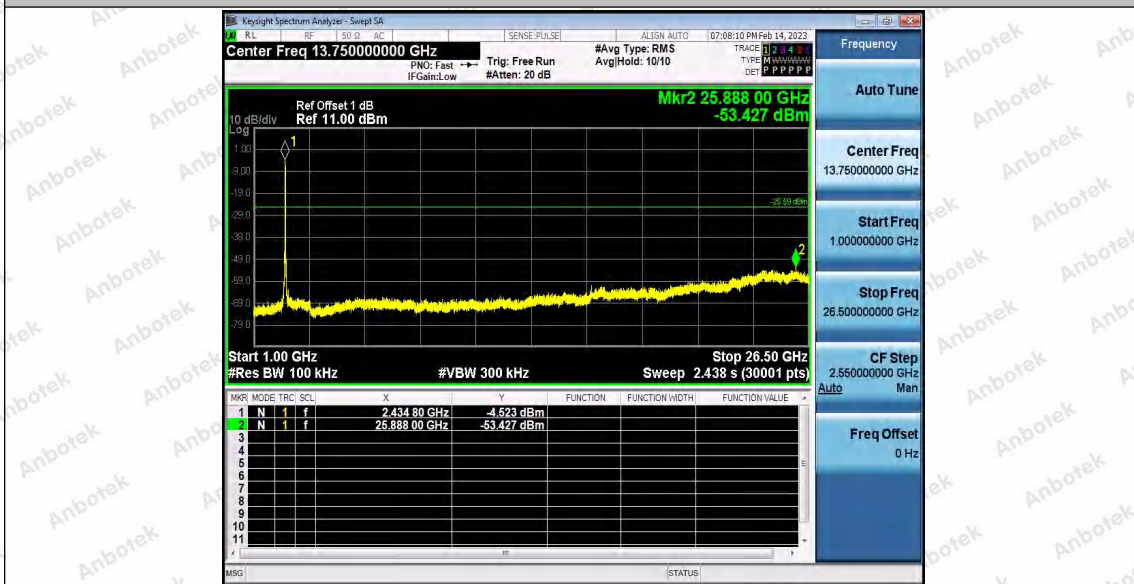
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11N40\_Ant1\_2452\_1000~26500



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## Appendix G: Duty Cycle

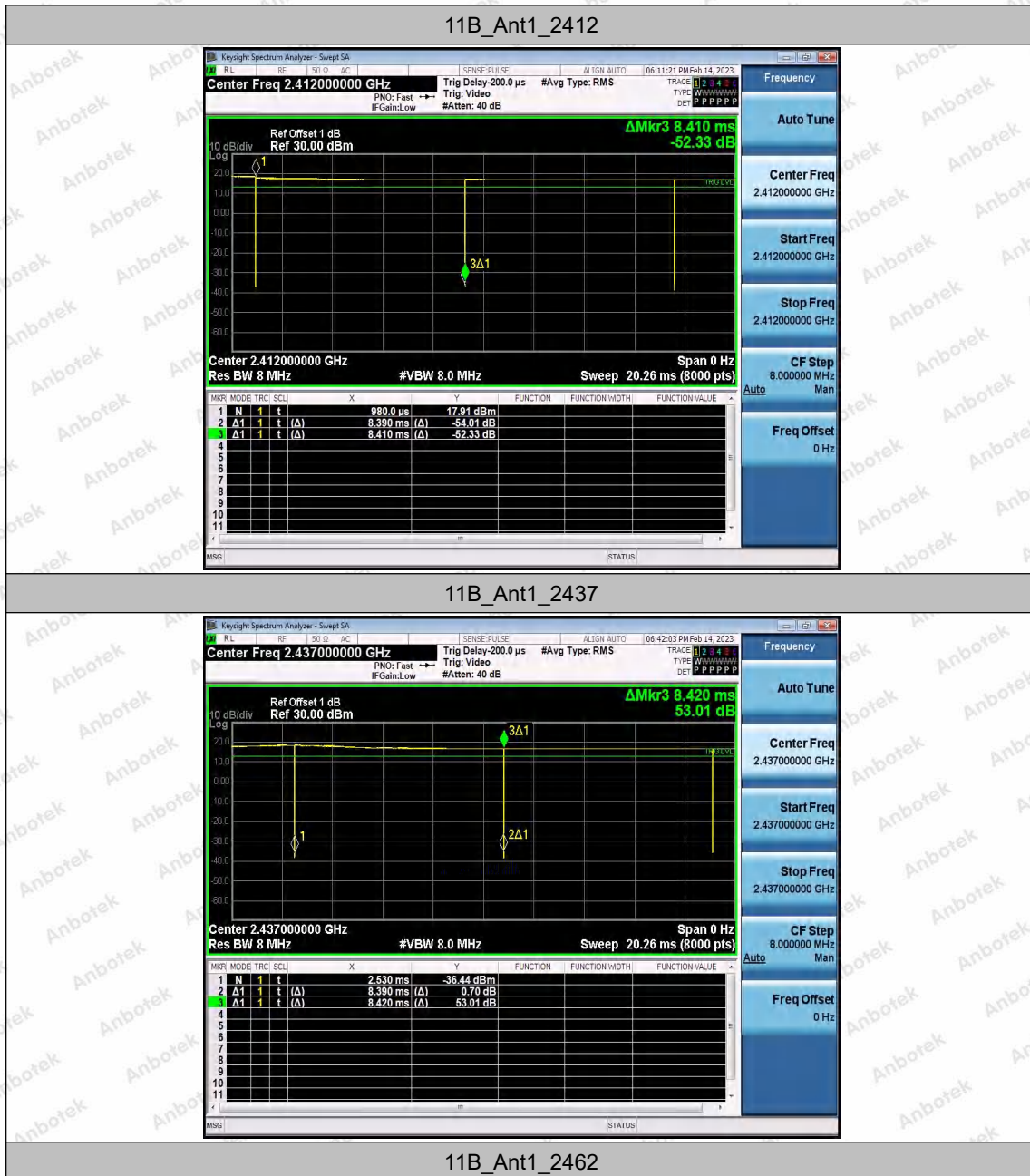
### Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.39	8.41	99.76	0.01
		2437	8.39	8.42	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	1.40	1.43	97.90	0.09
11N20	Ant1	2412	1.30	1.34	97.01	0.13
		2437	1.30	1.34	97.01	0.13
		2462	1.30	1.33	97.74	0.10
11N40	Ant1	2422	0.65	0.68	95.59	0.20
		2437	0.65	0.69	94.20	0.26
		2452	0.65	0.68	95.59	0.20





## Test Graphs

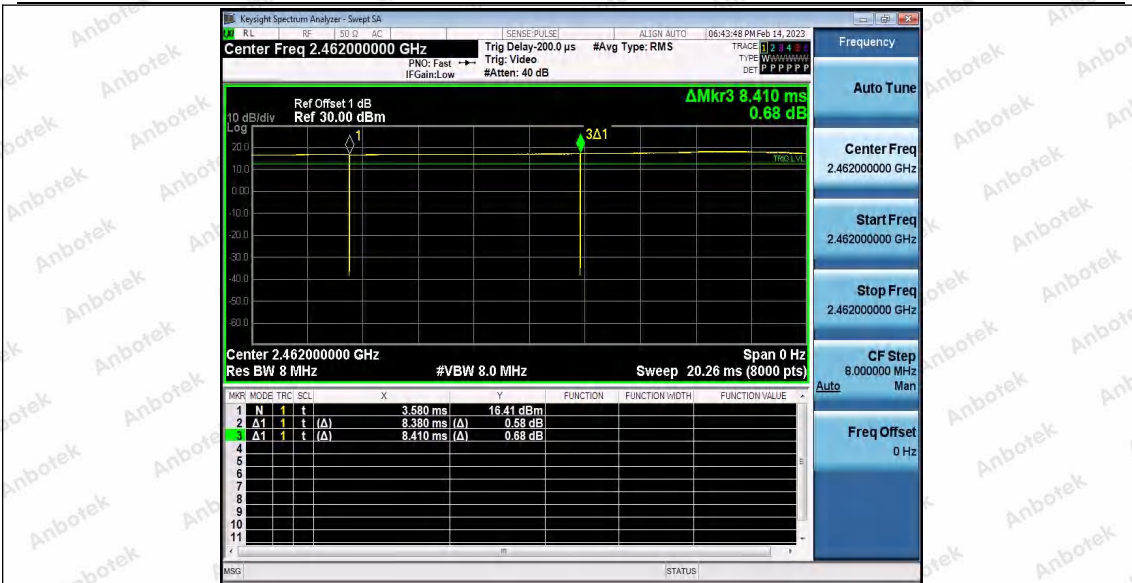


### Shenzhen Anbotek Compliance Laboratory Limited

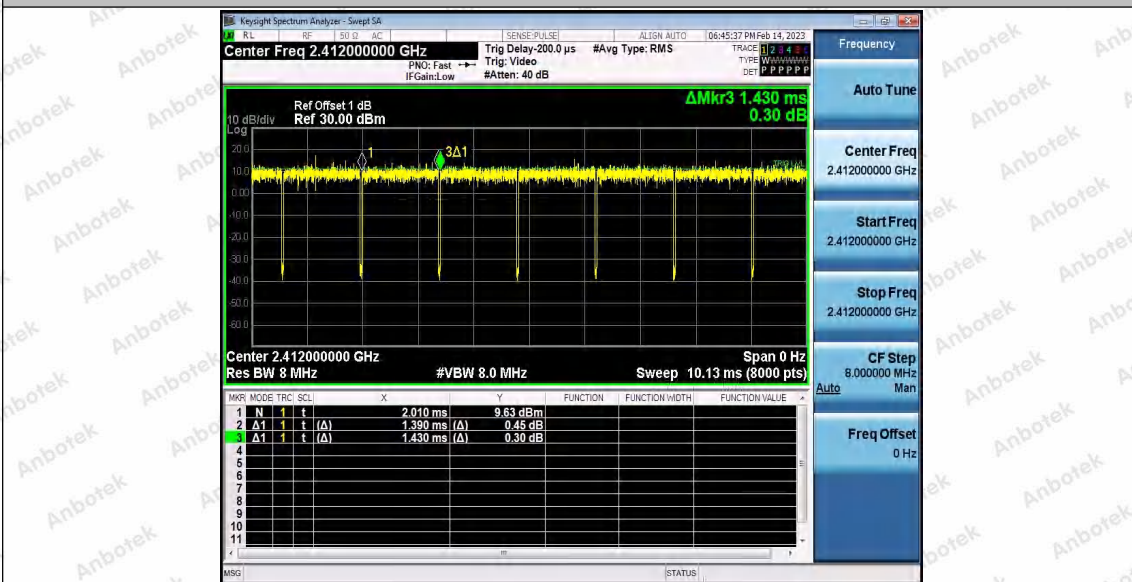
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2412



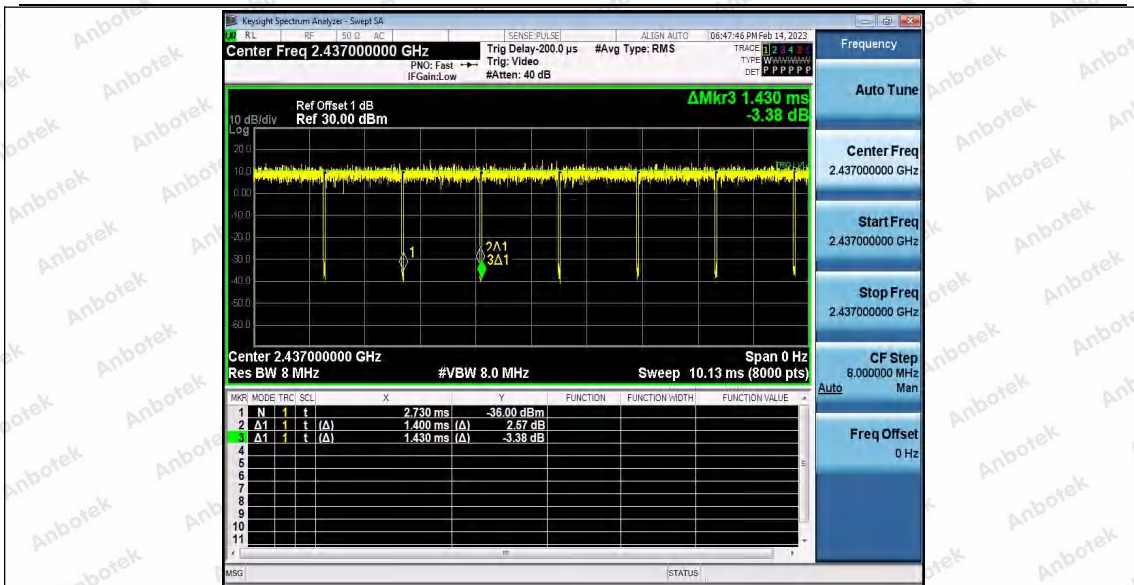
11G\_Ant1\_2437

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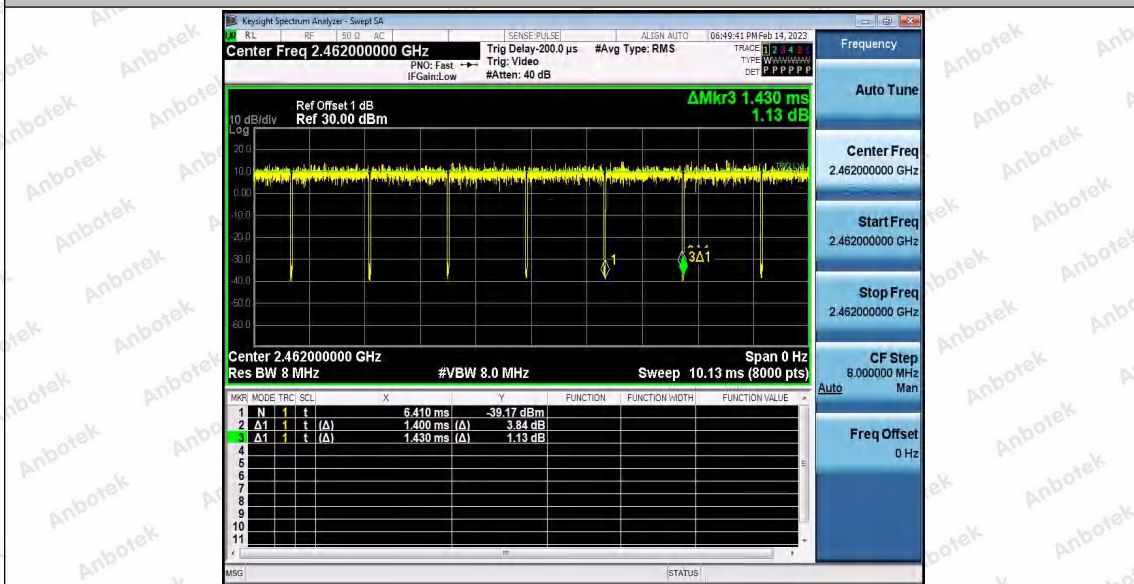
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462



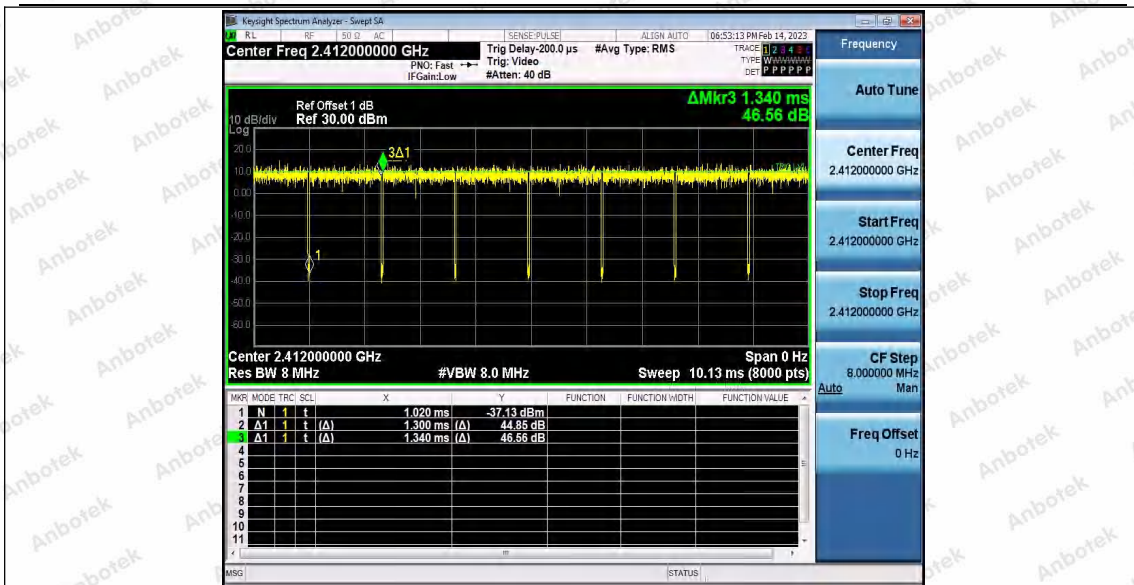
11N20\_Ant1\_2412

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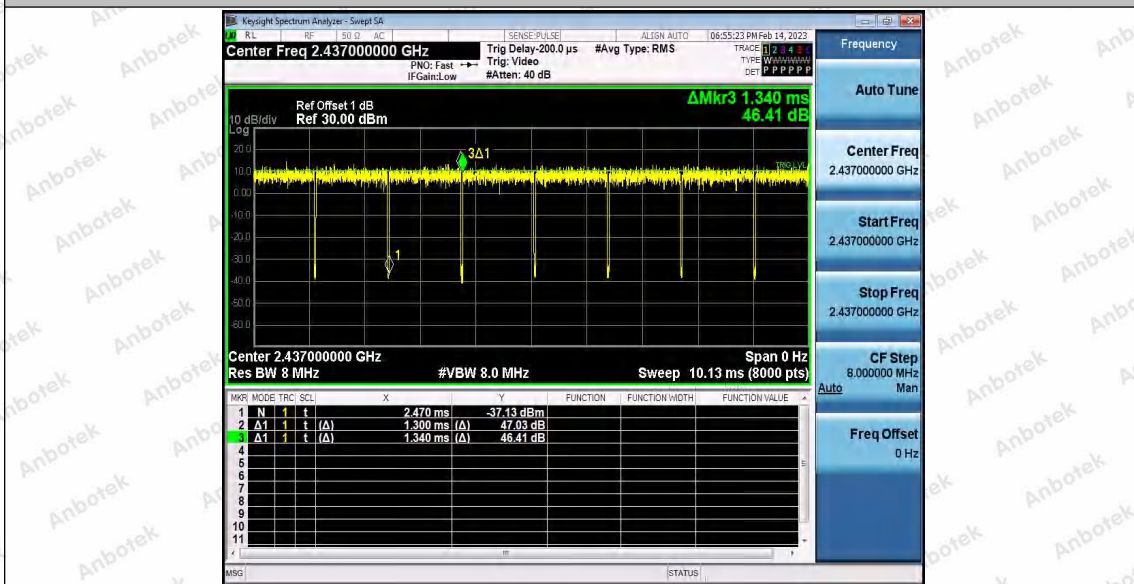
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20\_Ant1\_2437



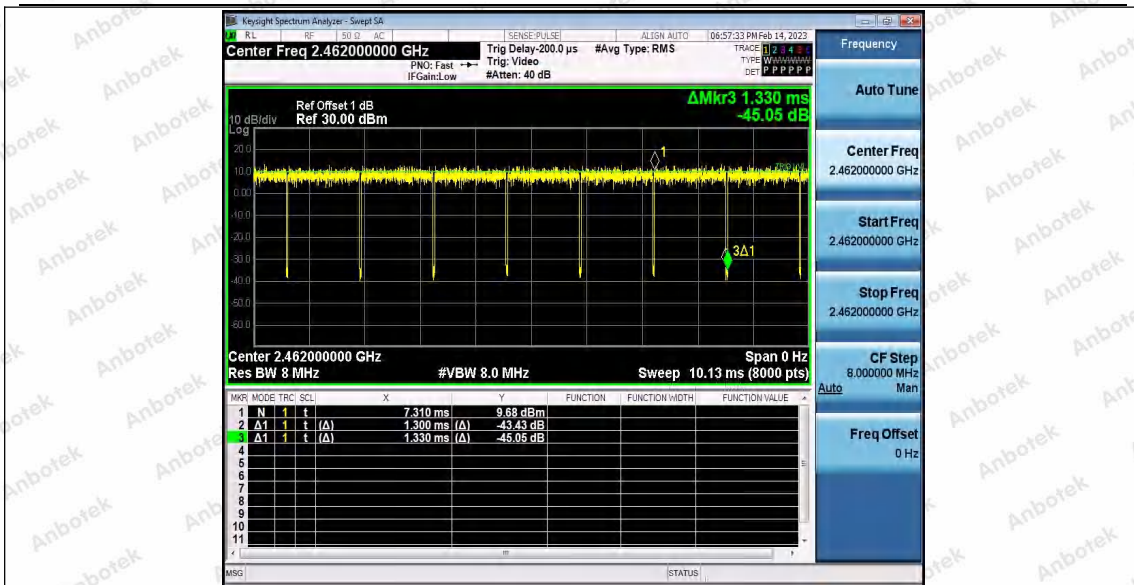
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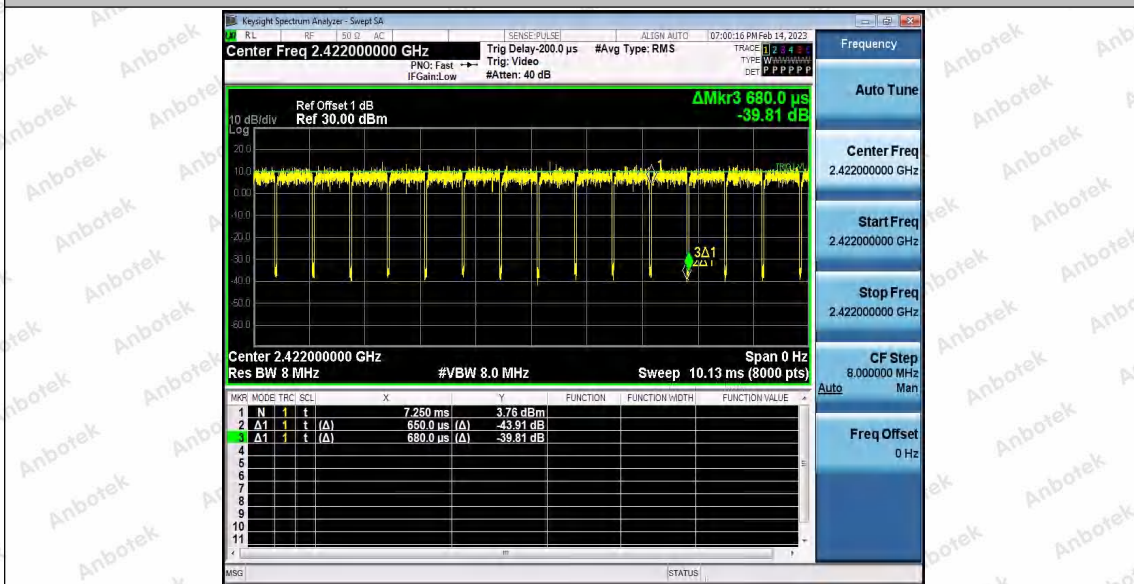
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40\_Ant1\_2422



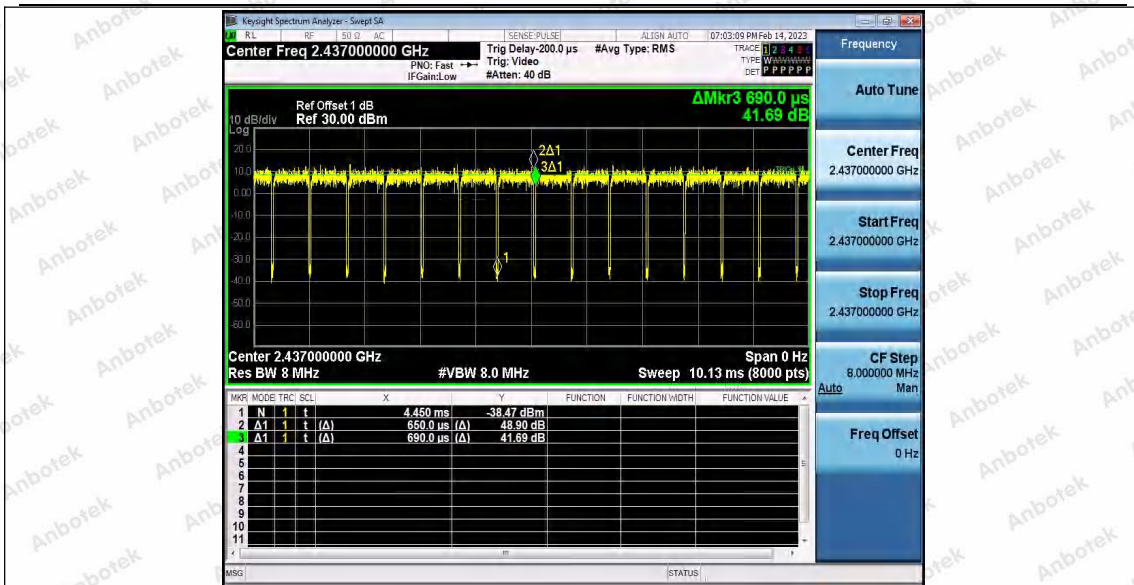
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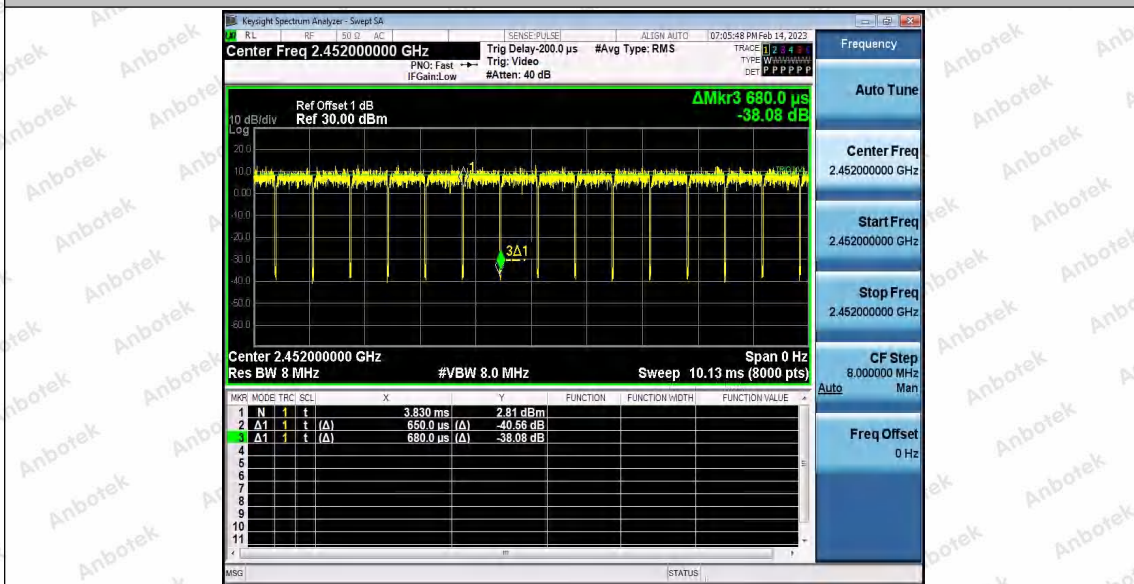
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11N40\_Ant1\_2452



---End---

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