

## Appendix Test Data

Report No.:	18220WC20254703	Test Sample No.:	1-2-2
Start Test Date:	2022.11.1	Finish Test Date:	2022.11.3
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°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	9.880	2407.160	2417.040	≥0.5	PASS
		2437	10.080	2431.960	2442.040	≥0.5	PASS
		2462	10.080	2456.960	2467.040	≥0.5	PASS
11G	Ant1	2412	12.640	2405.680	2418.320	≥0.5	PASS
		2437	13.120	2429.520	2442.640	≥0.5	PASS
		2462	15.120	2454.440	2469.560	≥0.5	PASS
11N20	Ant1	2412	13.400	2405.720	2419.120	≥0.5	PASS
		2437	12.920	2431.640	2444.560	≥0.5	PASS
		2462	16.160	2453.640	2469.800	≥0.5	PASS
11N40	Ant1	2422	33.780	2405.800	2439.580	≥0.5	PASS
		2437	35.100	2419.480	2454.580	≥0.5	PASS
		2452	33.840	2434.480	2468.320	≥0.5	PASS

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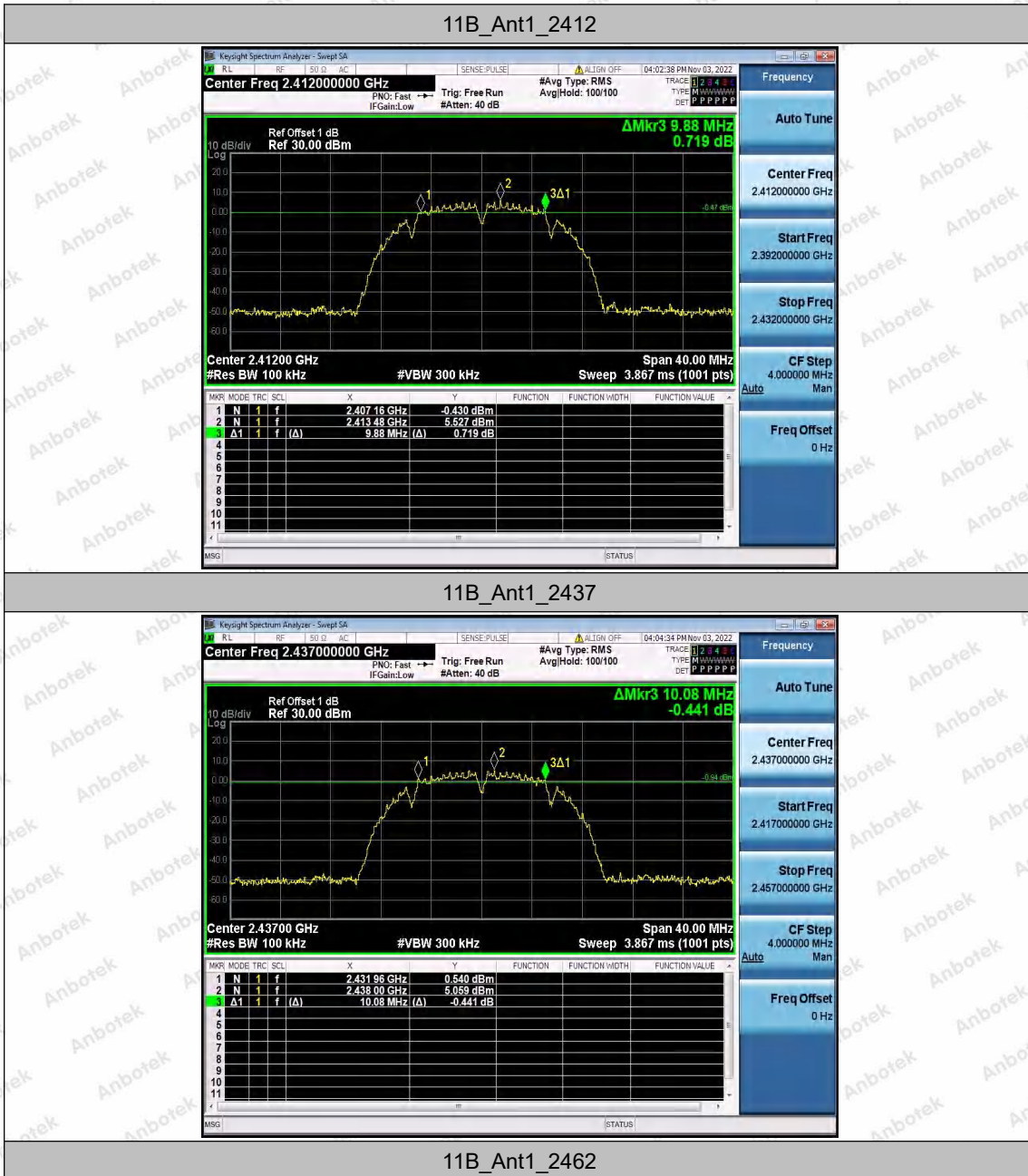
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## Test Graphs





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 B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	13.397	2405.3353	2418.7323
		2437	13.405	2430.3436	2443.7486
		2462	13.399	2455.3421	2468.7411
11G	Ant1	2412	16.909	2403.6128	2420.5218
		2437	16.802	2428.6476	2445.4496
		2462	16.886	2453.5535	2470.4395
11N20	Ant1	2412	17.933	2403.0639	2420.9969
		2437	17.872	2428.1033	2445.9753
		2462	17.941	2453.0551	2470.9961
11N40	Ant1	2422	36.021	2404.0415	2440.0625
		2437	36.011	2419.0545	2455.0655
		2452	35.997	2434.0682	2470.0652





## Test Graphs

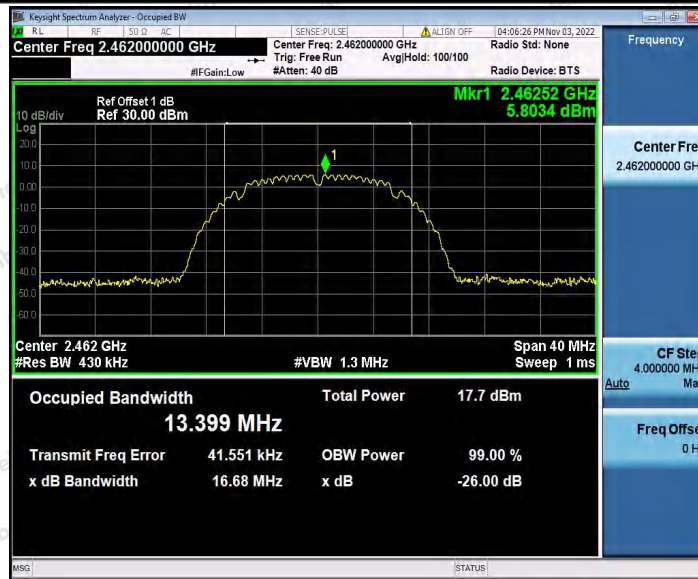


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11G\_Ant1\_2412



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	17.75	≤30.00
		2437	17.67	≤30.00
		2462	17.77	≤30.00
11G	Ant1	2412	18.04	≤30.00
		2437	17.95	≤30.00
		2462	18.09	≤30.00
11N20	Ant1	2412	17.99	≤30.00
		2437	17.84	≤30.00
		2462	17.92	≤30.00
11N40	Ant1	2422	16.20	≤30.00
		2437	16.10	≤30.00
		2452	16.20	≤30.00

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## Appendix D: Maximum power spectral density

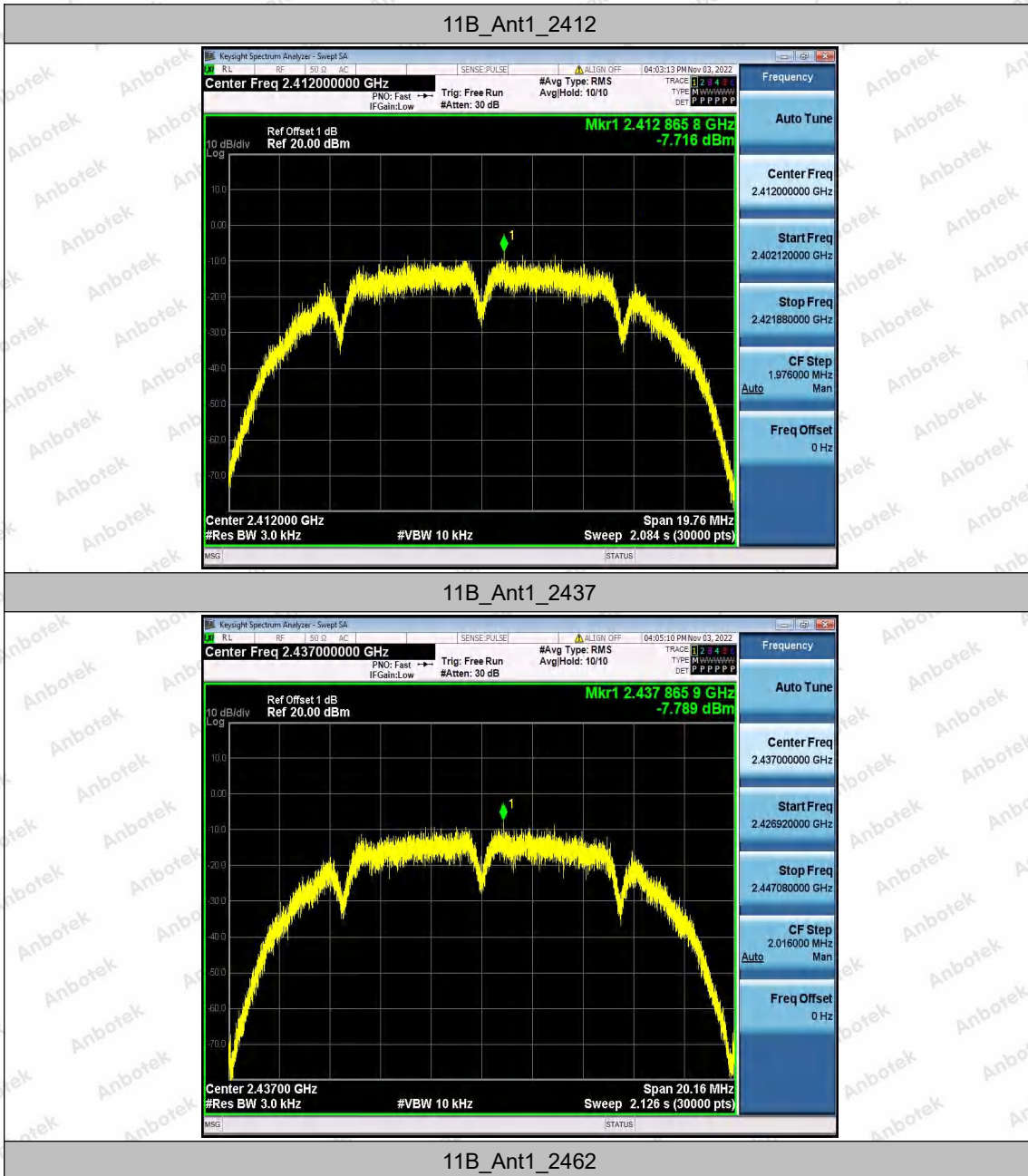
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.72	≤8.00	PASS
		2437	-7.79	≤8.00	PASS
		2462	-7.61	≤8.00	PASS
11G	Ant1	2412	-13.48	≤8.00	PASS
		2437	-13.13	≤8.00	PASS
		2462	-13.56	≤8.00	PASS
11N20	Ant1	2412	-14.27	≤8.00	PASS
		2437	-14.21	≤8.00	PASS
		2462	-13.72	≤8.00	PASS
11N40	Ant1	2422	-15.93	≤8.00	PASS
		2437	-16.68	≤8.00	PASS
		2452	-17.07	≤8.00	PASS





## Test Graphs



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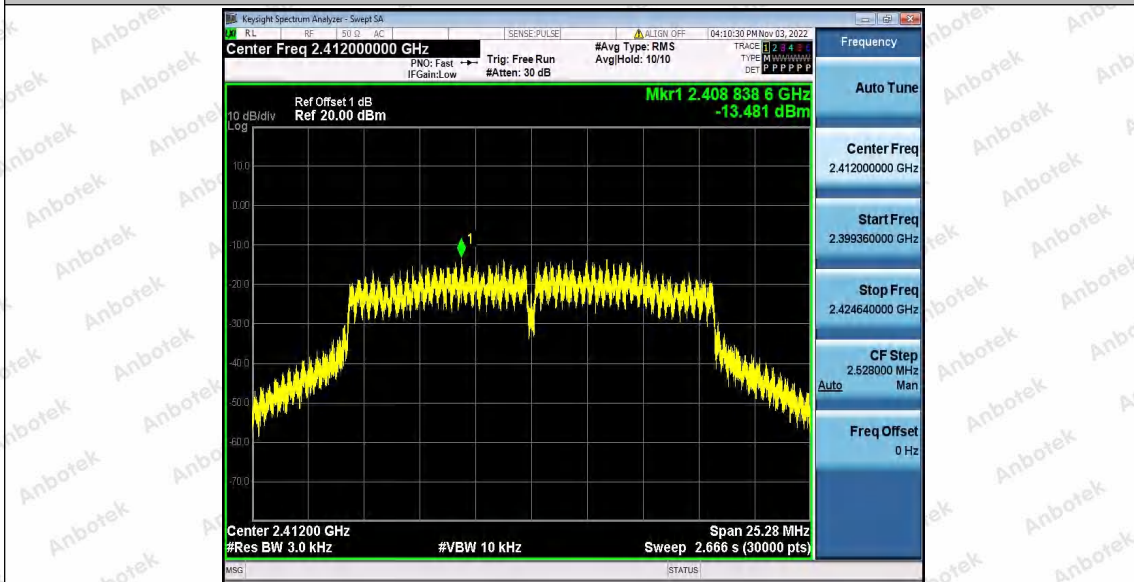
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11G\_Ant1\_2412



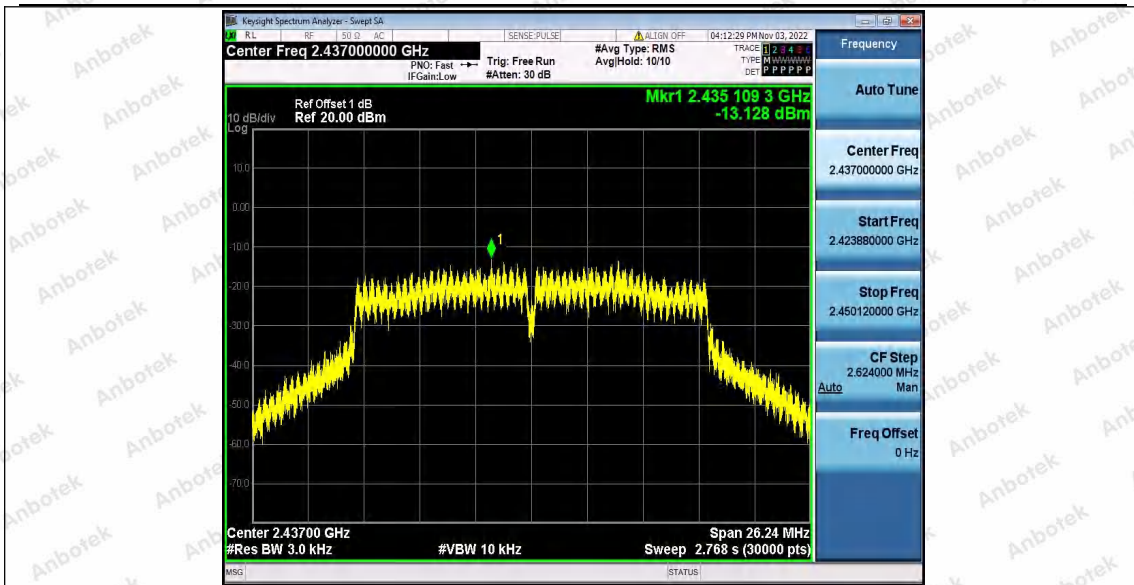
11G\_Ant1\_2437

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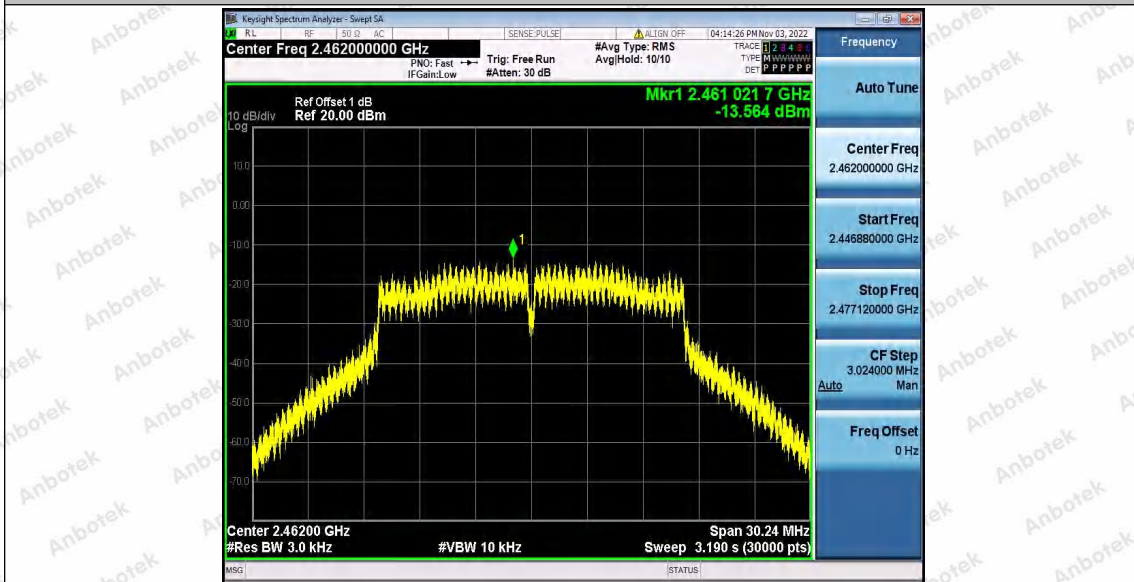
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462



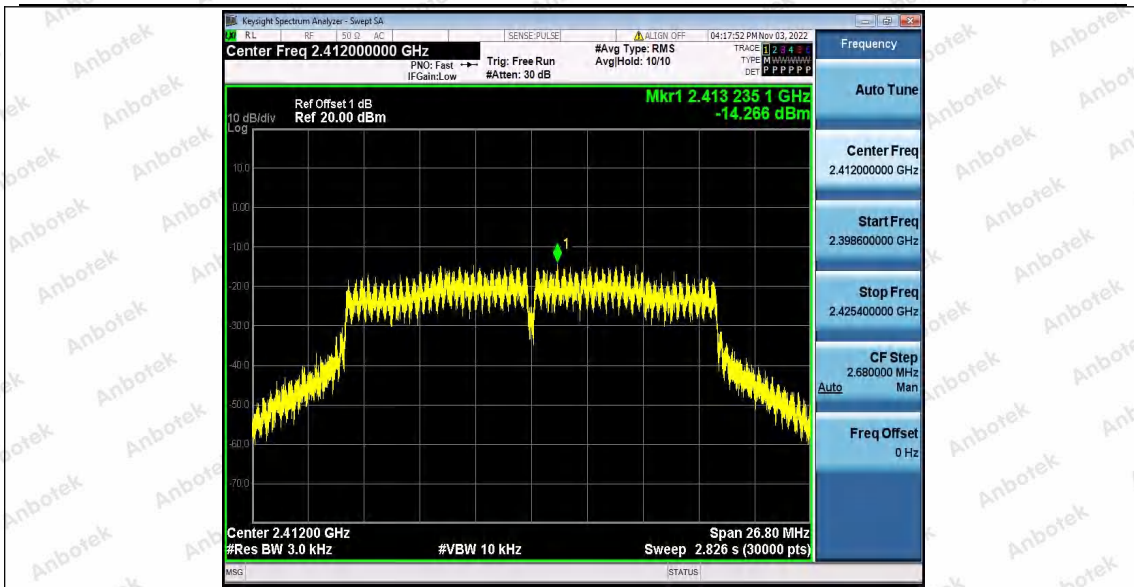
11N20\_Ant1\_2412

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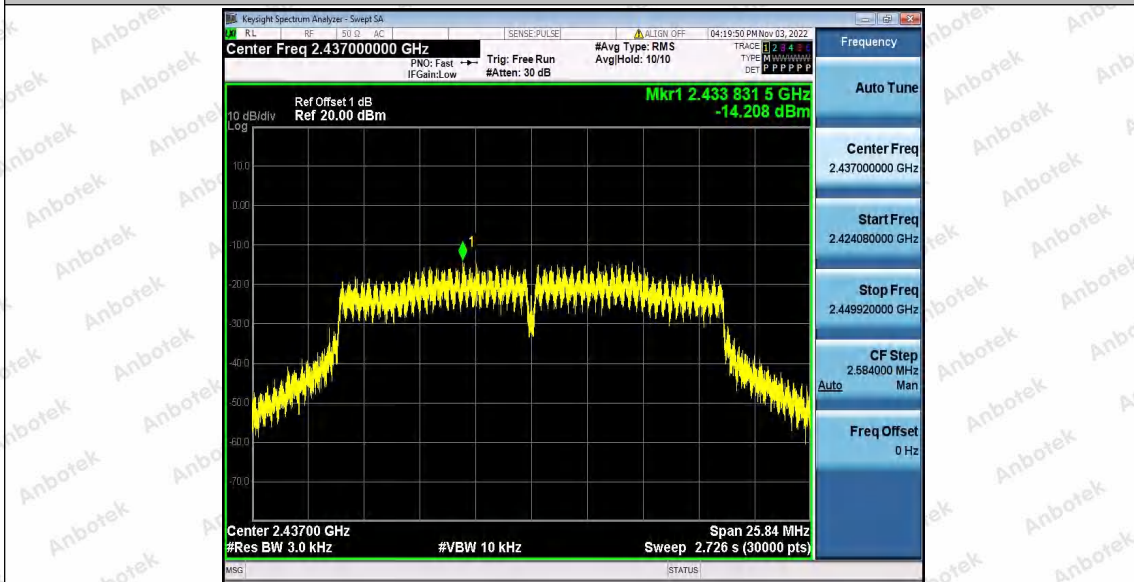
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20\_Ant1\_2437



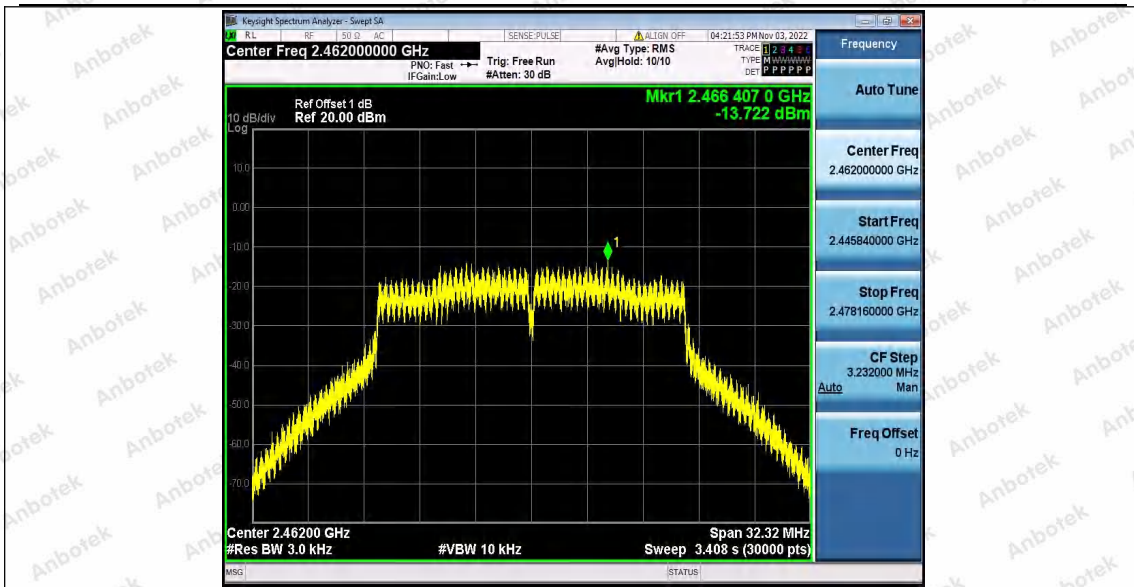
11N20\_Ant1\_2462

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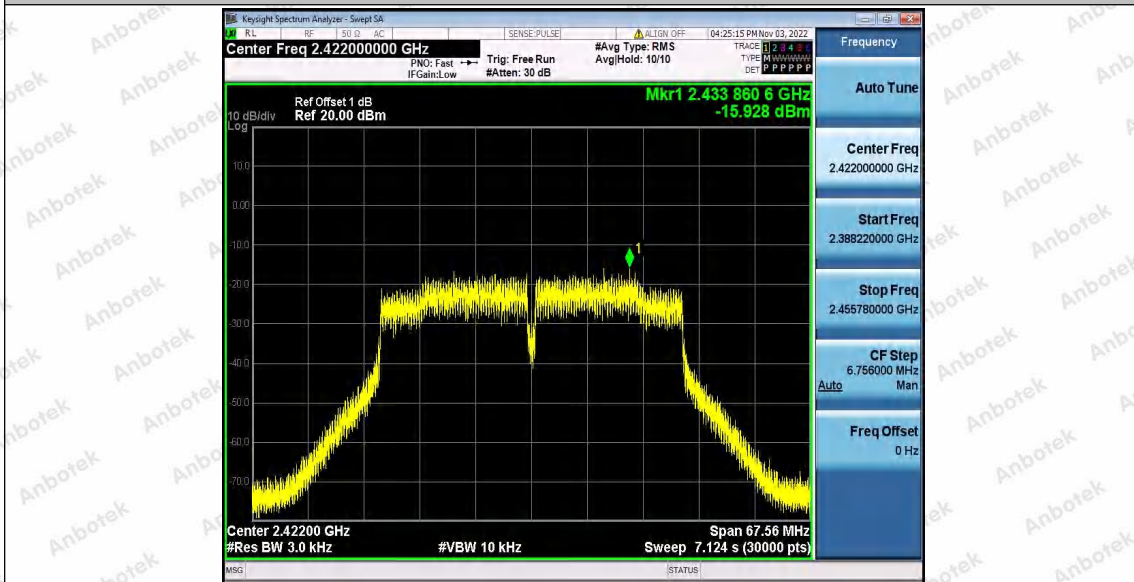
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11N40\_Ant1\_2422



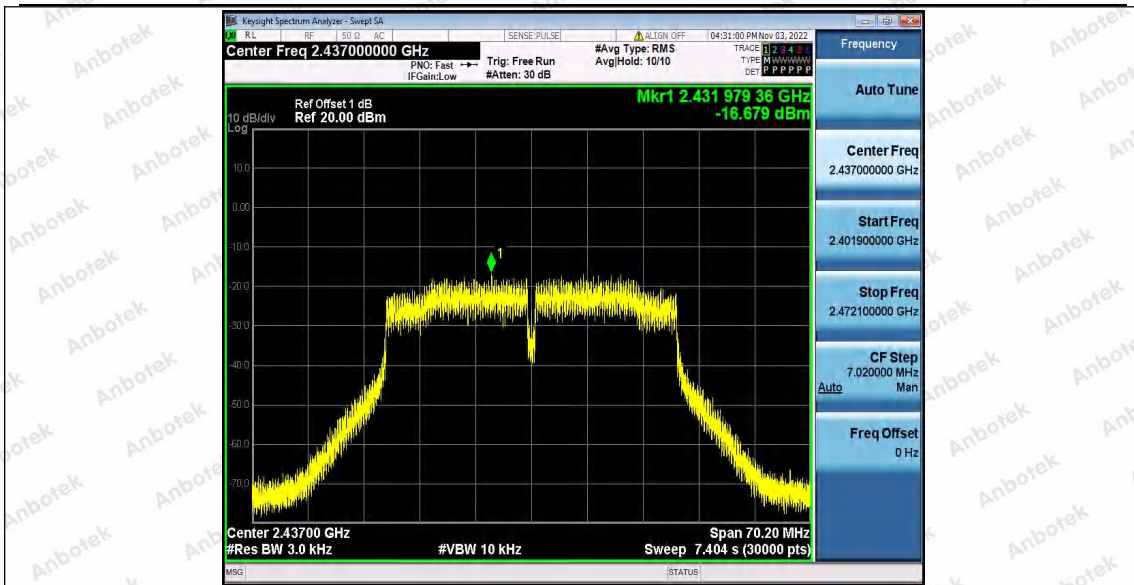
11N40\_Ant1\_2437

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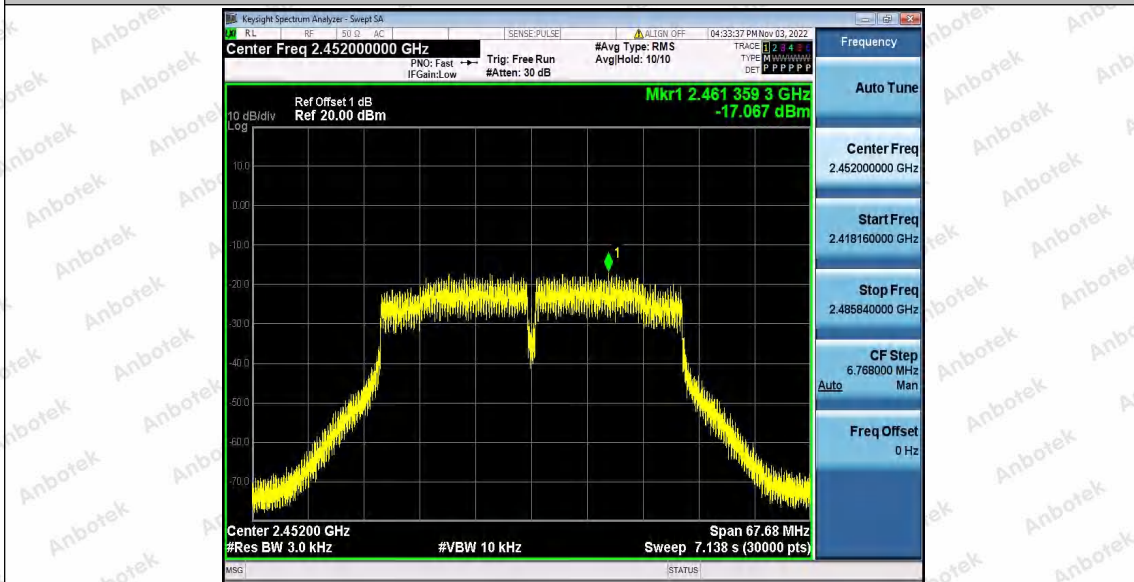
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11N40\_Ant1\_2452



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## Appendix E: Band edge measurements

### Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.26	-49.73	≤-14.75	PASS
		High	2462	5.24	-53.56	≤-14.76	PASS
11G	Ant1	Low	2412	1.24	-32.46	≤-18.76	PASS
		High	2462	0.55	-56.18	≤-19.45	PASS
11N20	Ant1	Low	2412	0.89	-30.33	≤-19.11	PASS
		High	2462	0.54	-54.78	≤-19.46	PASS
11N40	Ant1	Low	2422	-2.47	-33.31	≤-22.47	PASS
		High	2452	-2.12	-50.74	≤-22.12	PASS

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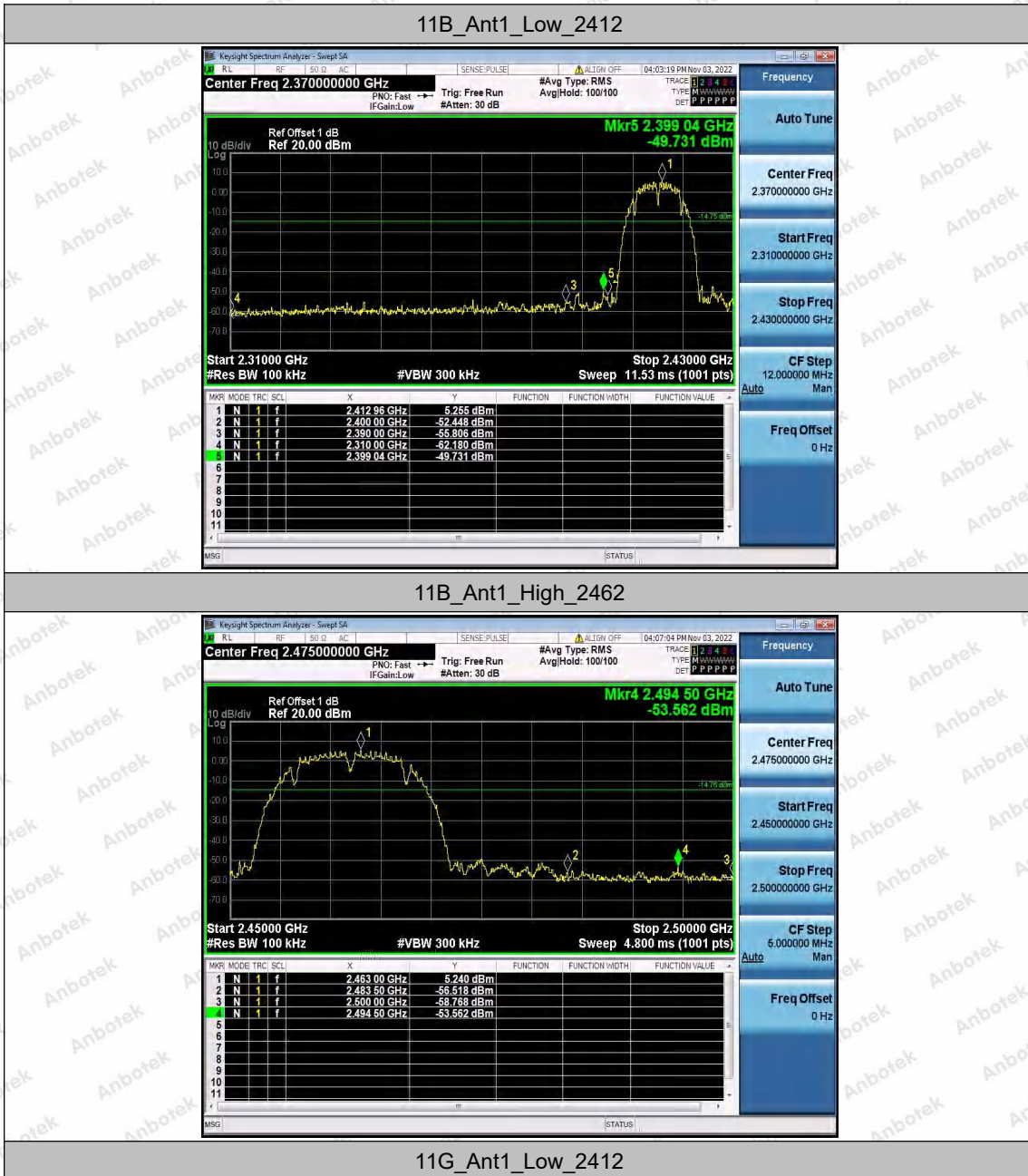
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## Test Graphs



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11G\_Ant1\_High\_2462



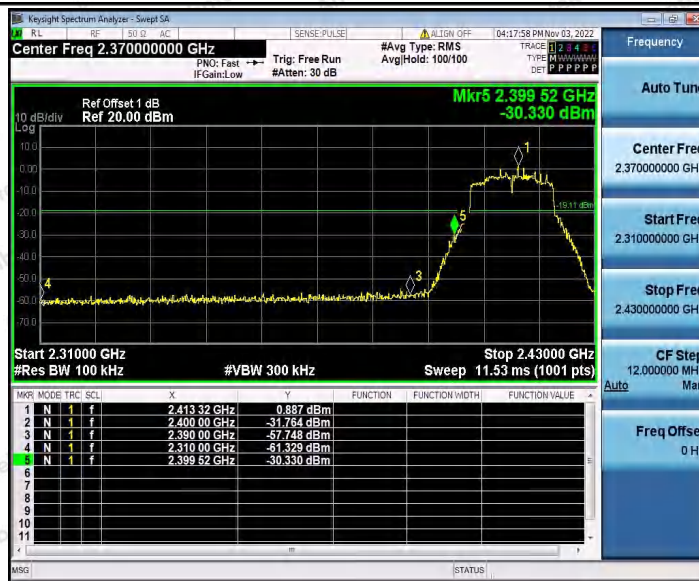
11N20\_Ant1\_Low\_2412

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11N20\_Ant1\_High\_2462



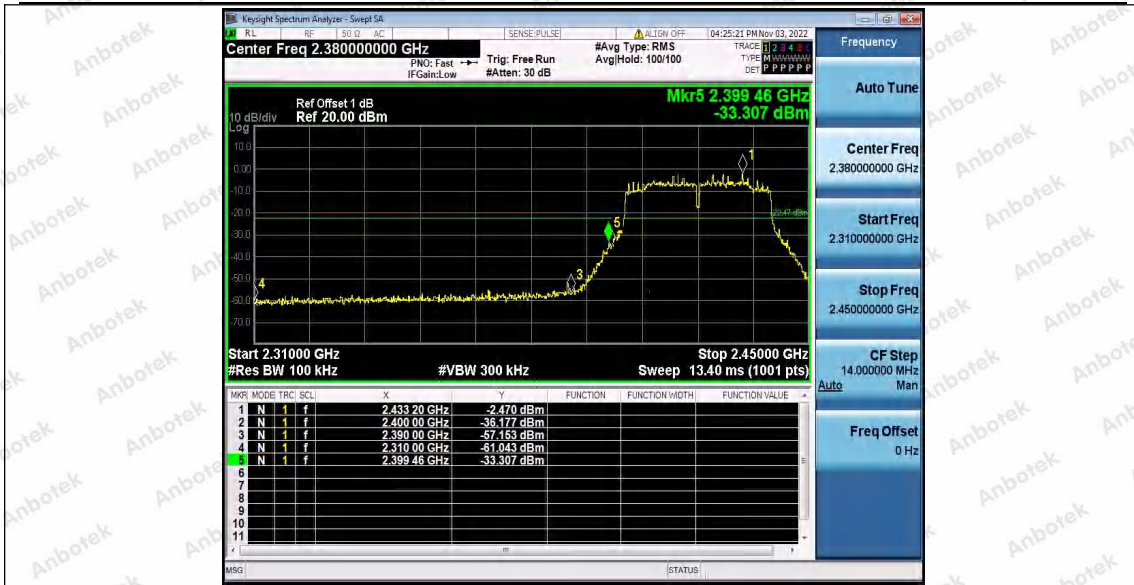
11N40\_Ant1\_Low\_2422

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## Appendix F: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.88	4.88	---	PASS
			30~1000	4.88	-68.76	≤-15.12	PASS
			1000~26500	4.88	-52.02	≤-15.12	PASS
		2437	Reference	4.35	4.35	---	PASS
			30~1000	4.35	-68.79	≤-15.65	PASS
			1000~26500	4.35	-52.41	≤-15.65	PASS
		2462	Reference	3.54	3.54	---	PASS
			30~1000	3.54	-69.58	≤-16.46	PASS
			1000~26500	3.54	-51.37	≤-16.46	PASS
11G	Ant1	2412	Reference	-0.60	-0.60	---	PASS
			30~1000	-0.60	-68.73	≤-20.6	PASS
			1000~26500	-0.60	-51.91	≤-20.6	PASS
		2437	Reference	-2.04	-2.04	---	PASS
			30~1000	-2.04	-69.48	≤-22.04	PASS
			1000~26500	-2.04	-51.23	≤-22.04	PASS
		2462	Reference	-2.77	-2.77	---	PASS
			30~1000	-2.77	-69.54	≤-22.77	PASS
			1000~26500	-2.77	-51.46	≤-22.77	PASS
11N20	Ant1	2412	Reference	-2.20	-2.20	---	PASS
			30~1000	-2.20	-69.39	≤-22.2	PASS
			1000~26500	-2.20	-51.74	≤-22.2	PASS
		2437	Reference	-3.51	-3.51	---	PASS
			30~1000	-3.51	-68.84	≤-23.51	PASS
			1000~26500	-3.51	-51.38	≤-23.51	PASS
		2462	Reference	0.46	0.46	---	PASS
			30~1000	0.46	-68.92	≤-19.54	PASS
			1000~26500	0.46	-51.38	≤-19.54	PASS
11N40	Ant1	2422	Reference	-6.16	-6.16	---	PASS
			30~1000	-6.16	-69.39	≤-26.16	PASS
			1000~26500	-6.16	-53.64	≤-26.16	PASS
		2437	Reference	-2.25	-2.25	---	PASS
			30~1000	-2.25	-68.95	≤-22.25	PASS
			1000~26500	-2.25	-54.14	≤-22.25	PASS
		2452	Reference	-5.58	-5.58	---	PASS
			30~1000	-5.58	-68.75	≤-25.58	PASS
			1000~26500	-5.58	-53.52	≤-25.58	PASS

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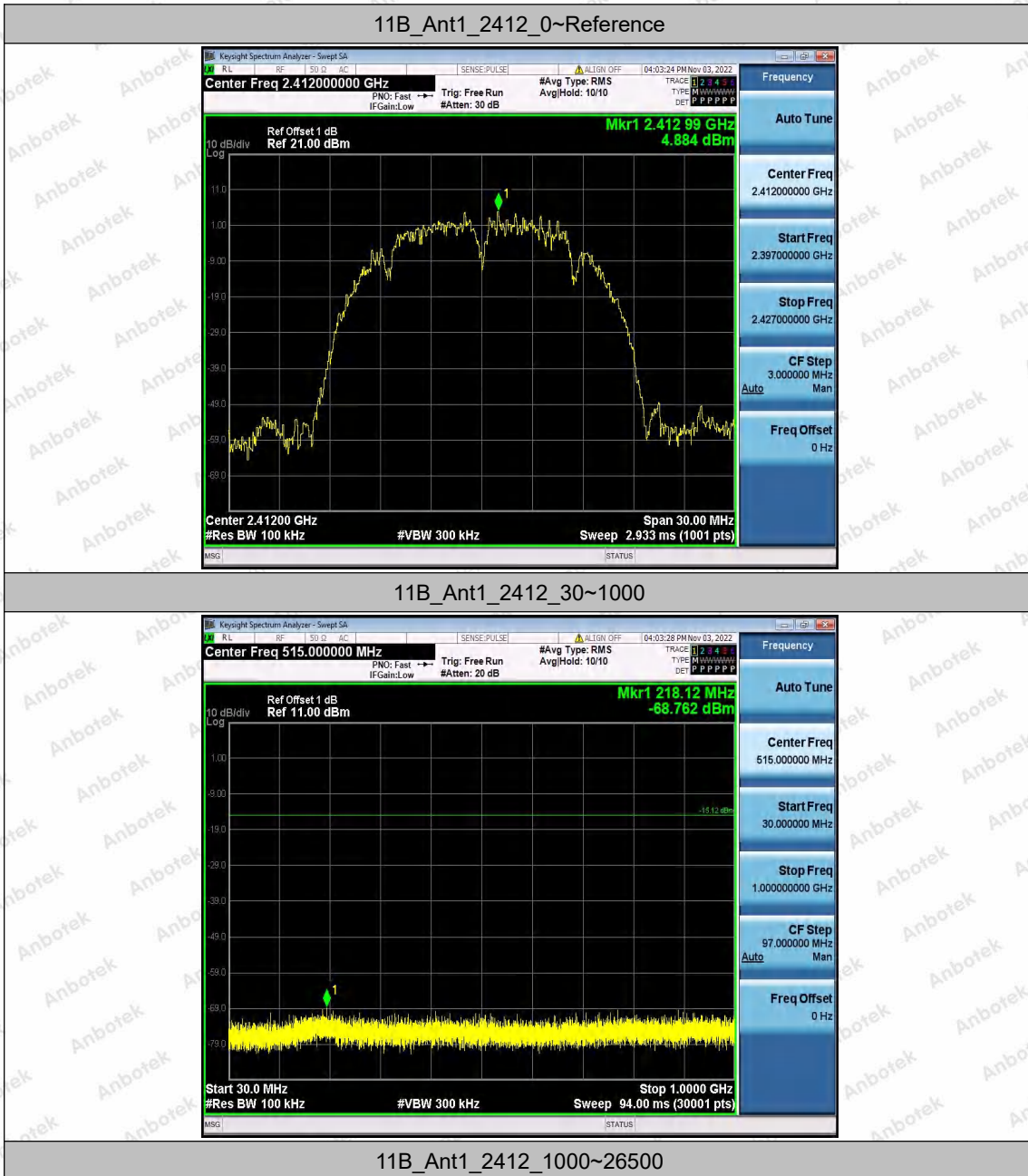
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## Test Graphs



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11B\_Ant1\_2437\_0~Reference



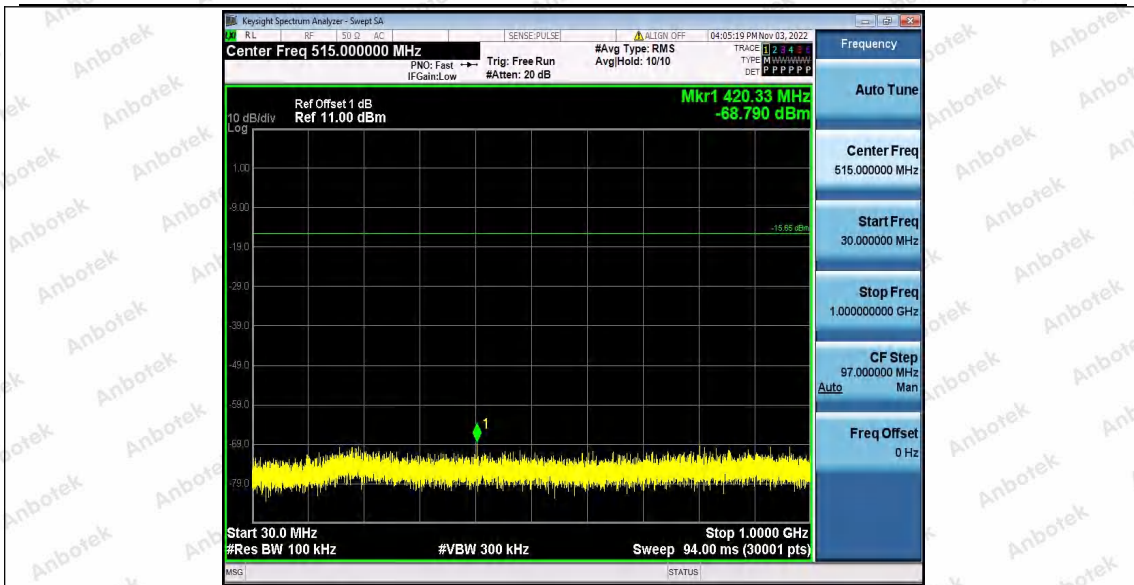
11B\_Ant1\_2437\_30~1000

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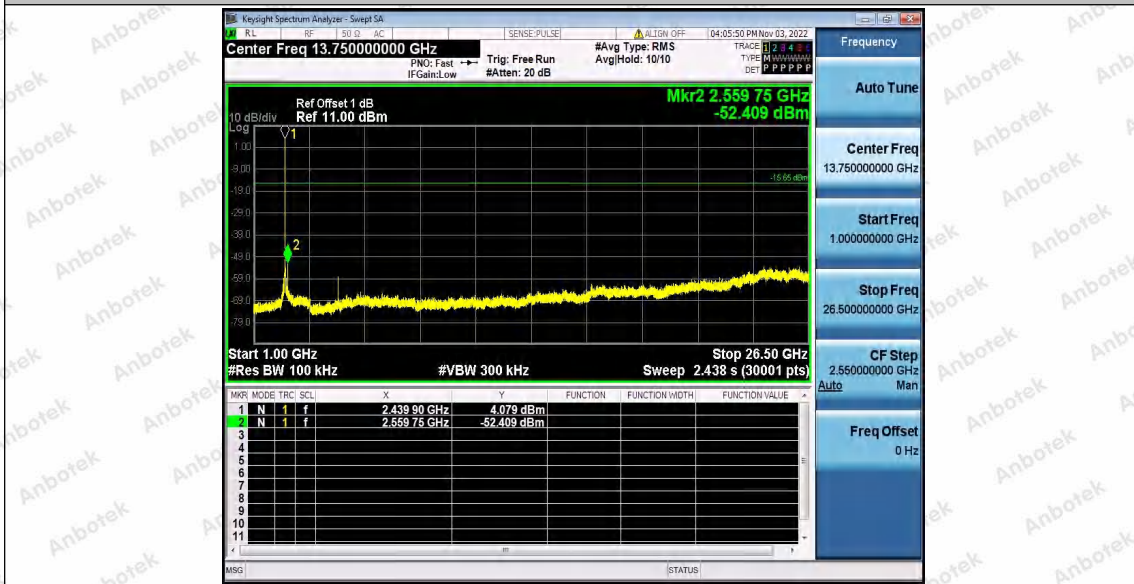
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11B\_Ant1\_2437\_1000~26500



11B\_Ant1\_2462\_0~Reference

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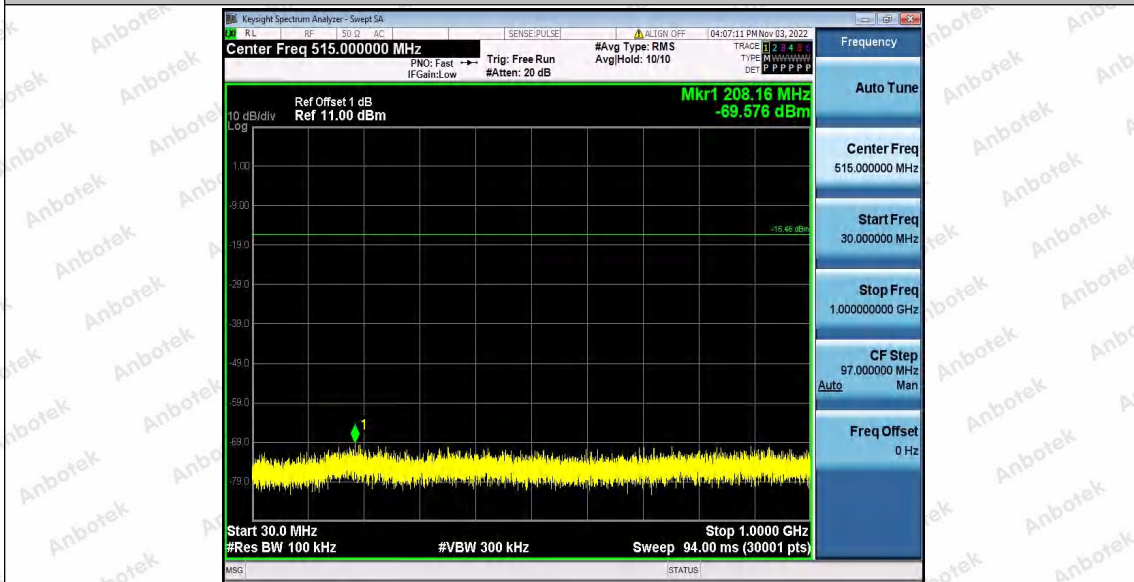
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500

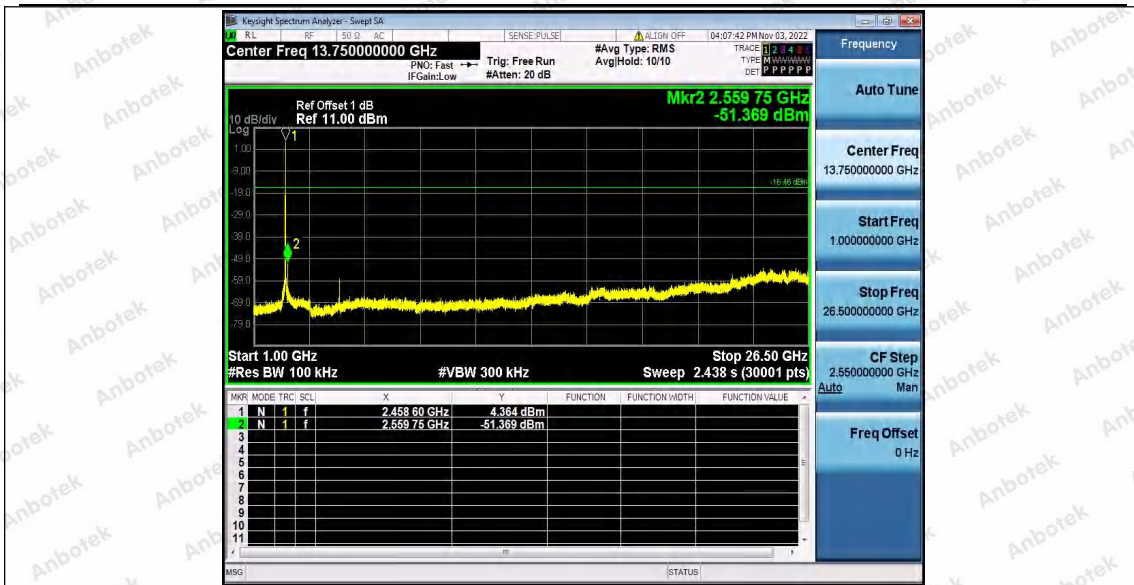
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11G\_Ant1\_2412\_0~Reference



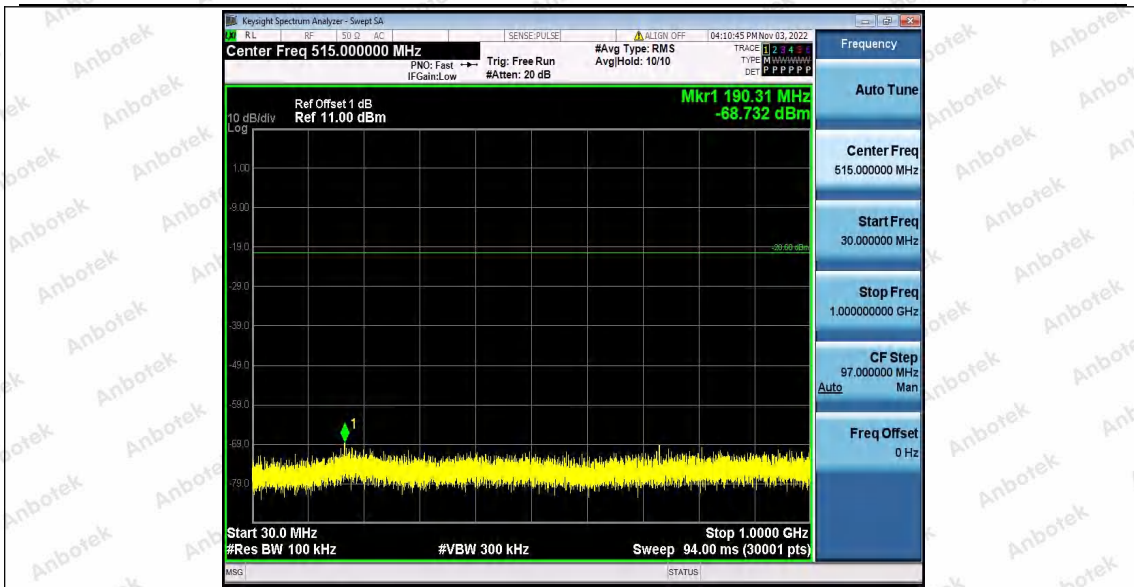
11G\_Ant1\_2412\_30~1000

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11G\_Ant1\_2412\_1000~26500



11G\_Ant1\_2437\_0~Reference

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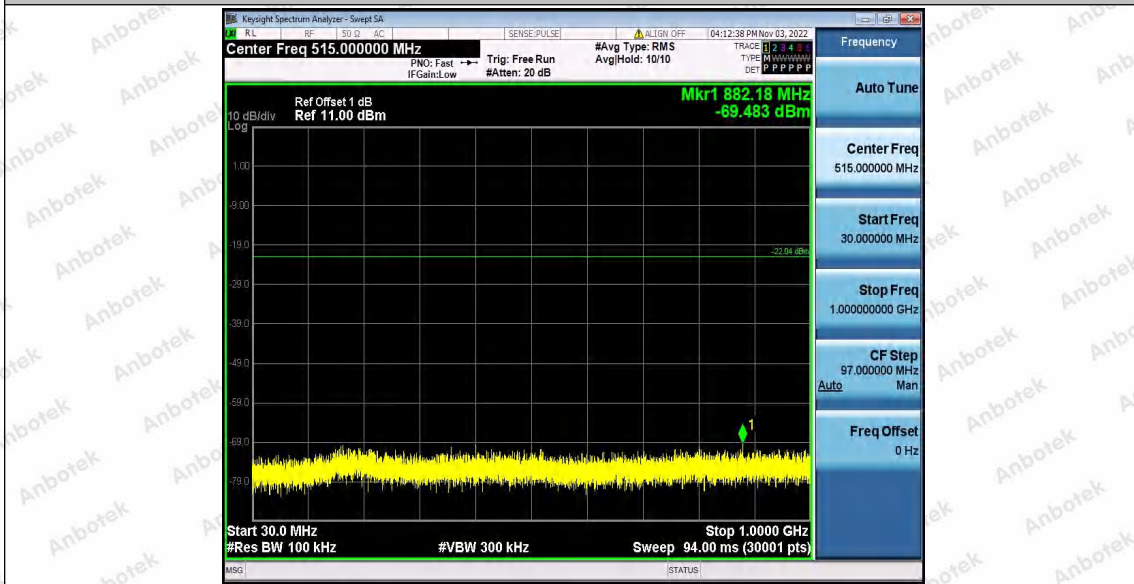
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2437\_30~1000



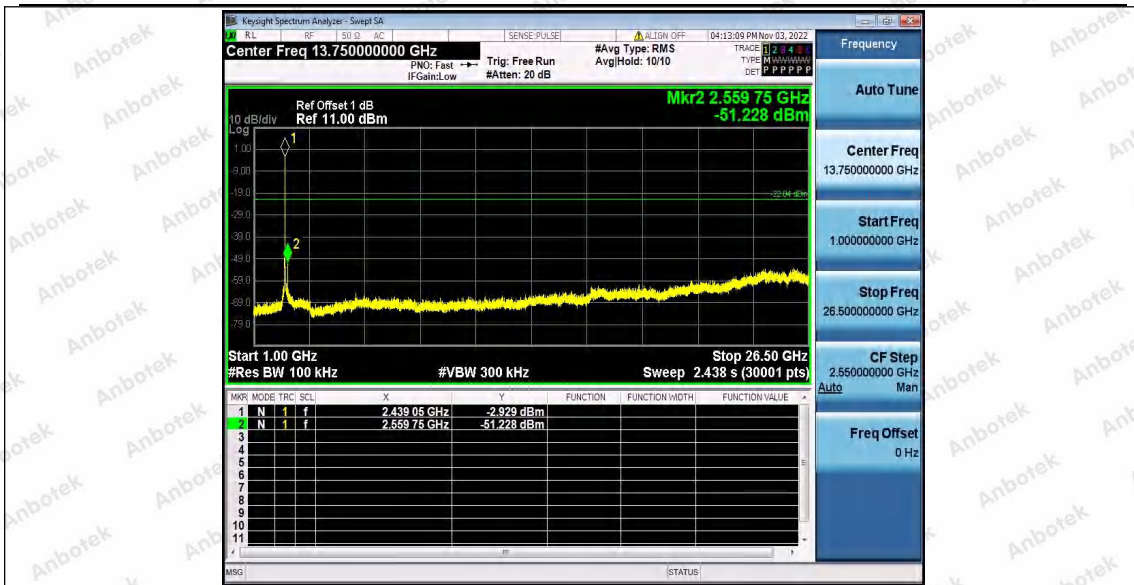
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11G\_Ant1\_2462\_0~Reference



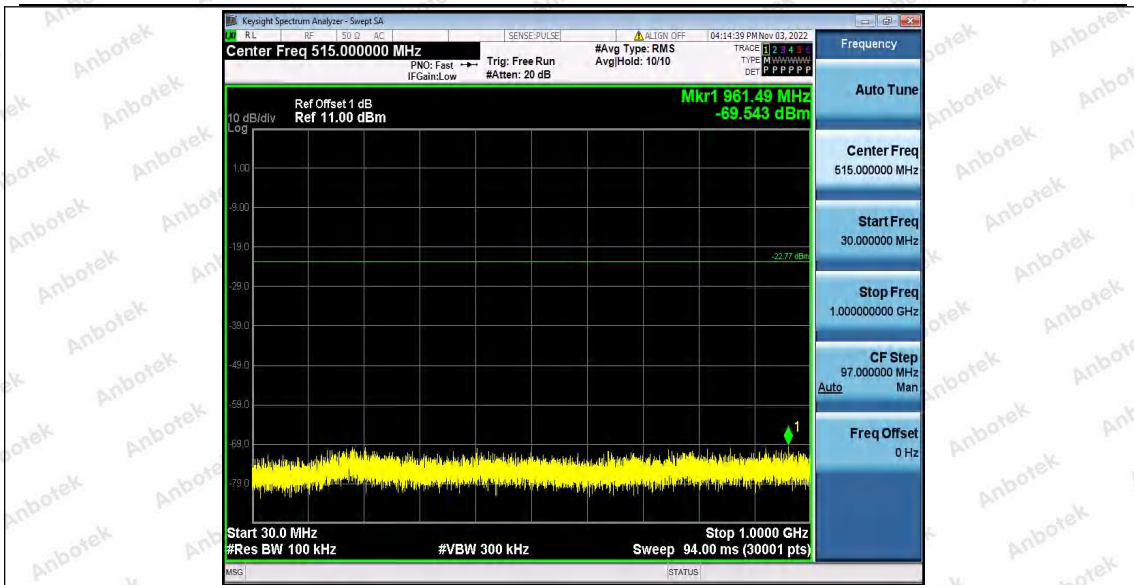
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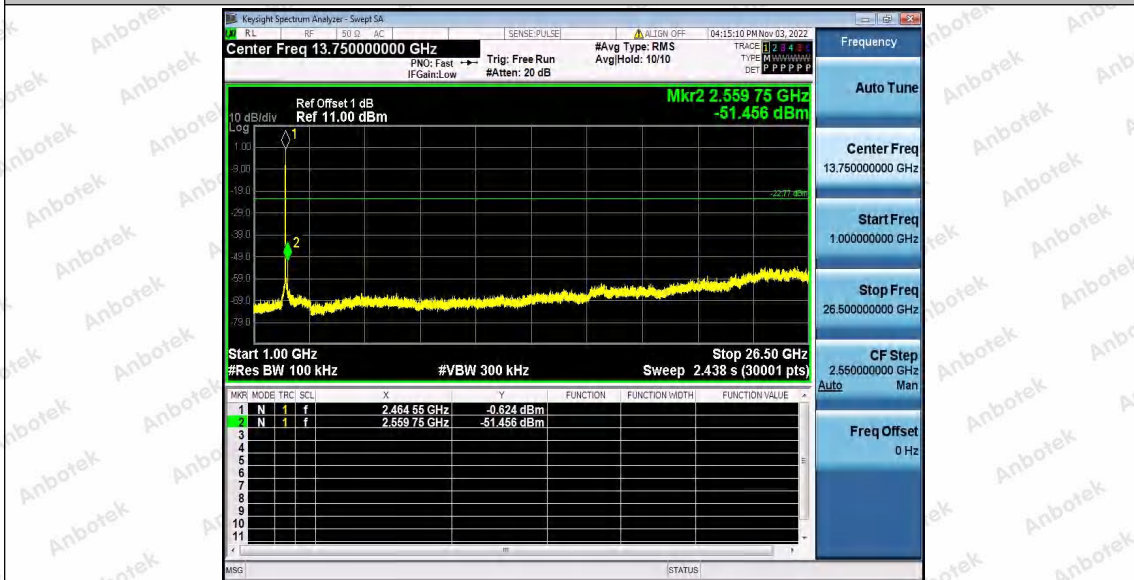
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11G\_Ant1\_2462\_1000~26500



11N20\_Ant1\_2412\_0~Reference

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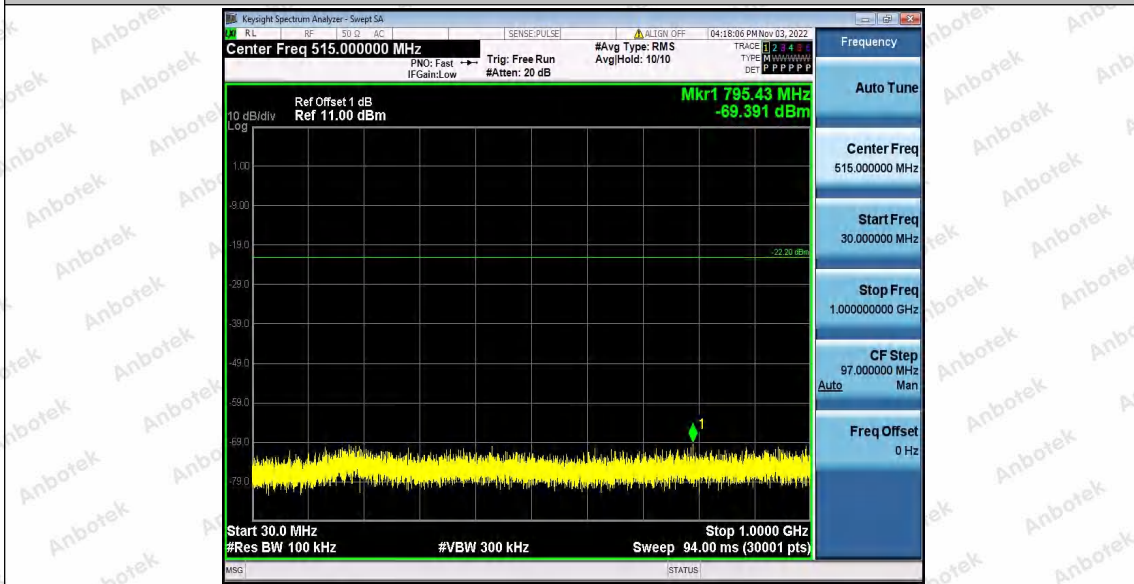
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20\_Ant1\_2412\_30~1000



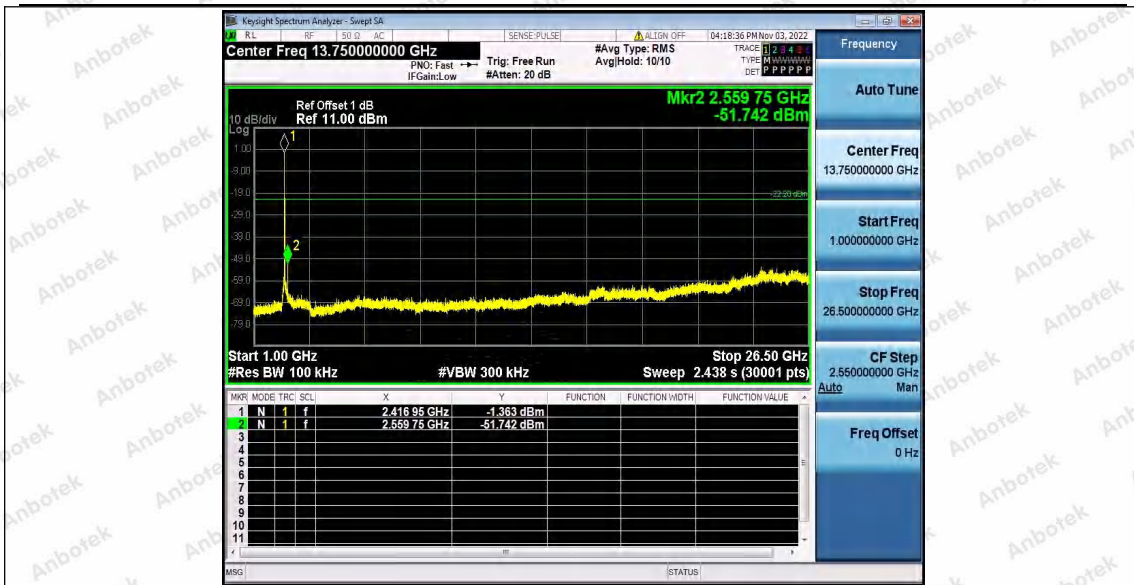
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11N20\_Ant1\_2437\_0~Reference



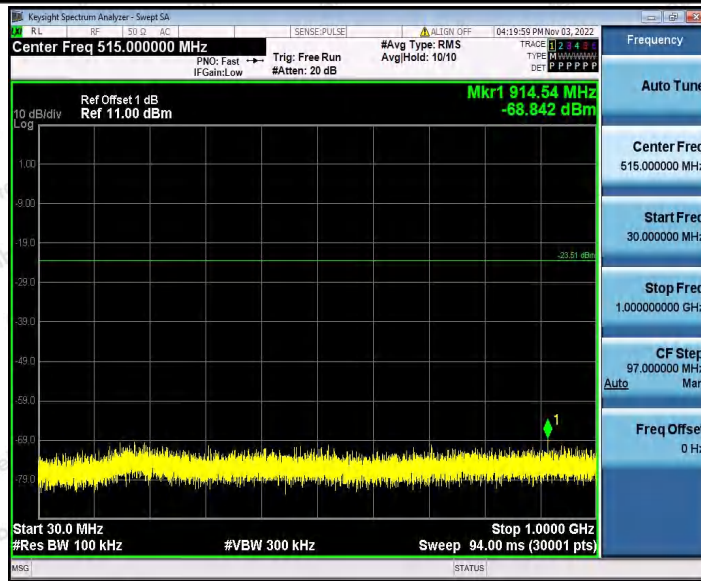
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11N20\_Ant1\_2437\_1000~26500



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

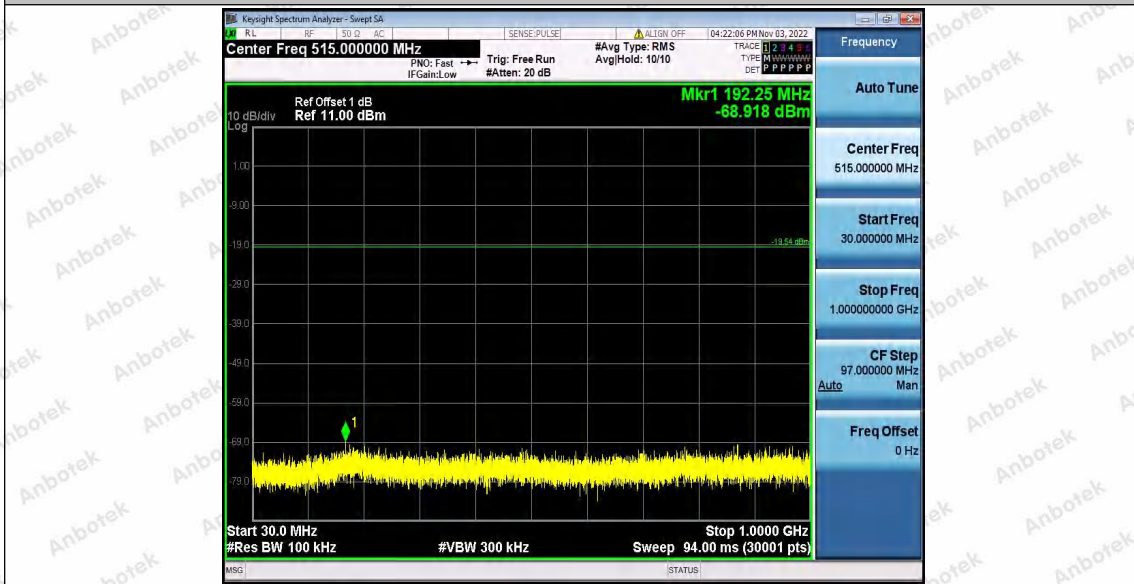
Hotline: 400-003-0500  
 www.anbotek.com.cn







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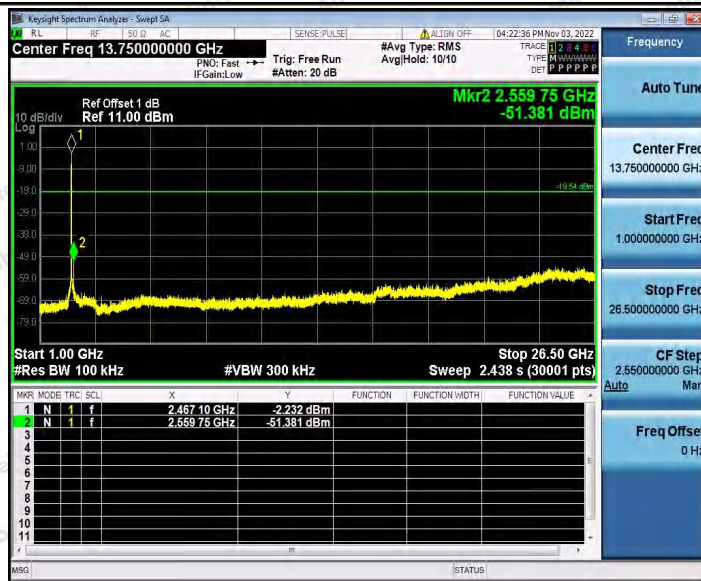
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11N40\_Ant1\_2422\_0~Reference



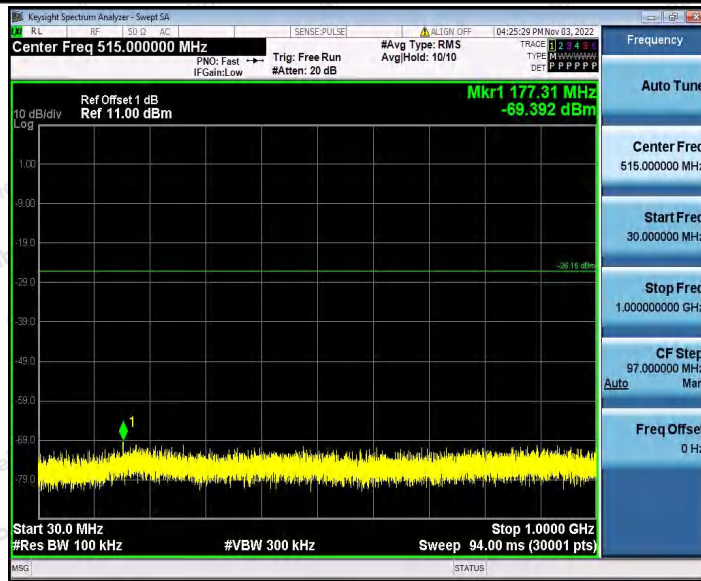
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11N40\_Ant1\_2422\_1000~26500



11N40\_Ant1\_2437\_0~Reference

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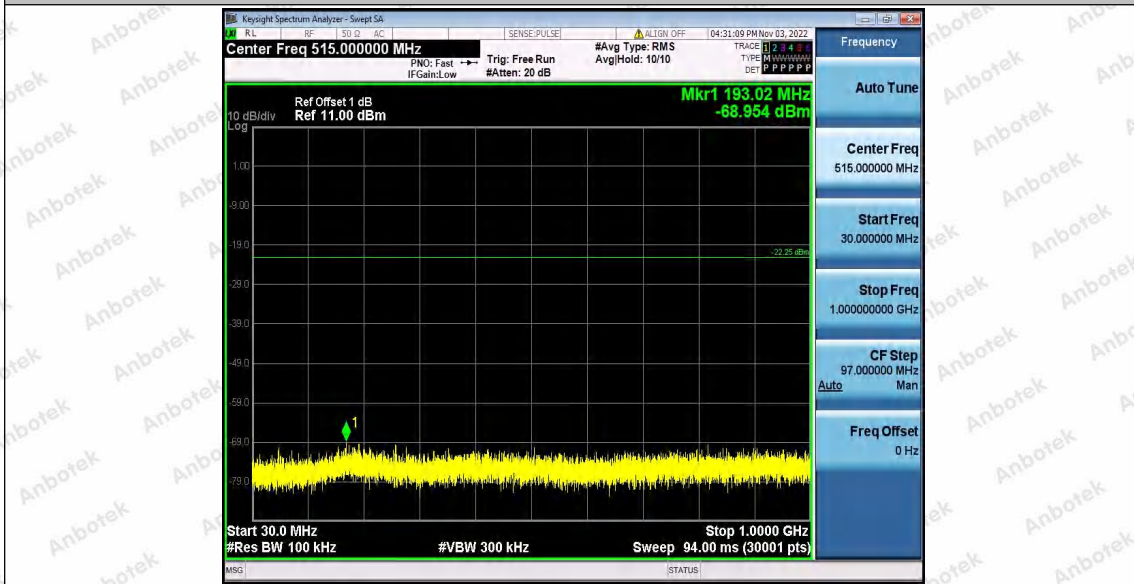
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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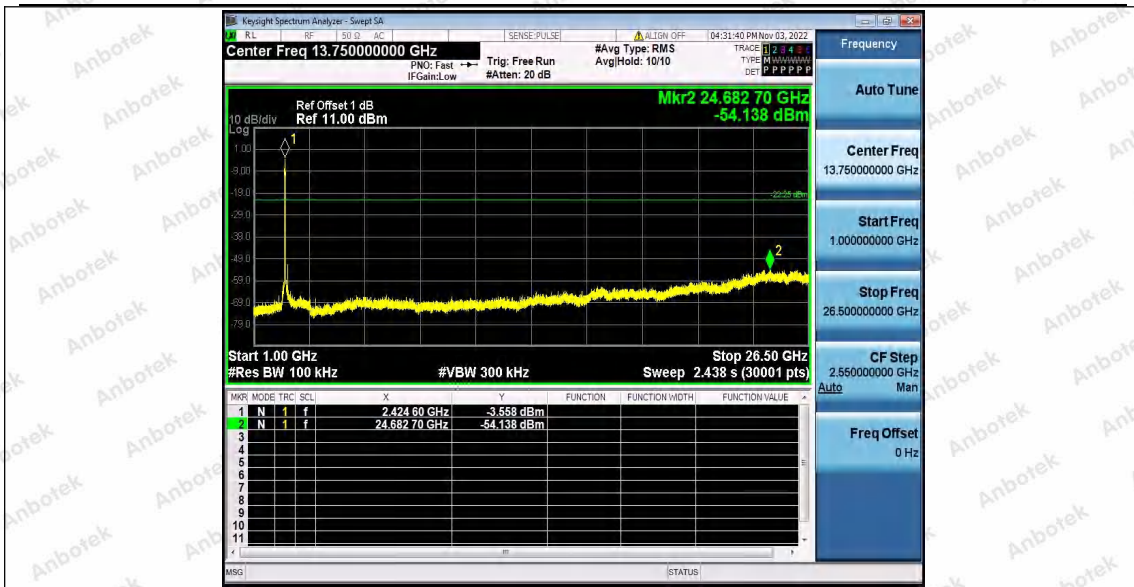
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11N40\_Ant1\_2452\_0~Reference



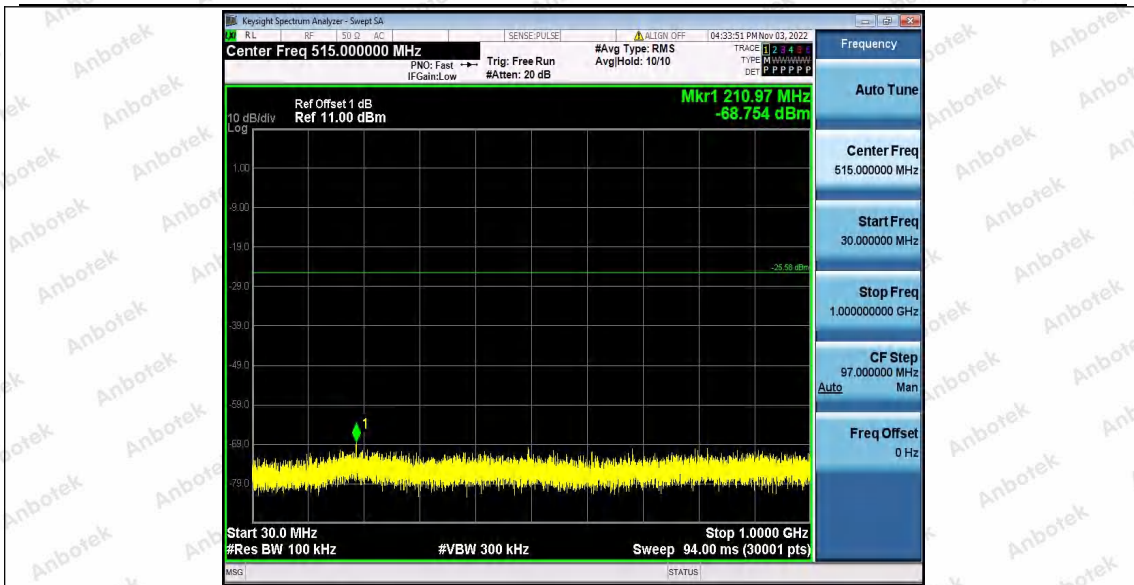
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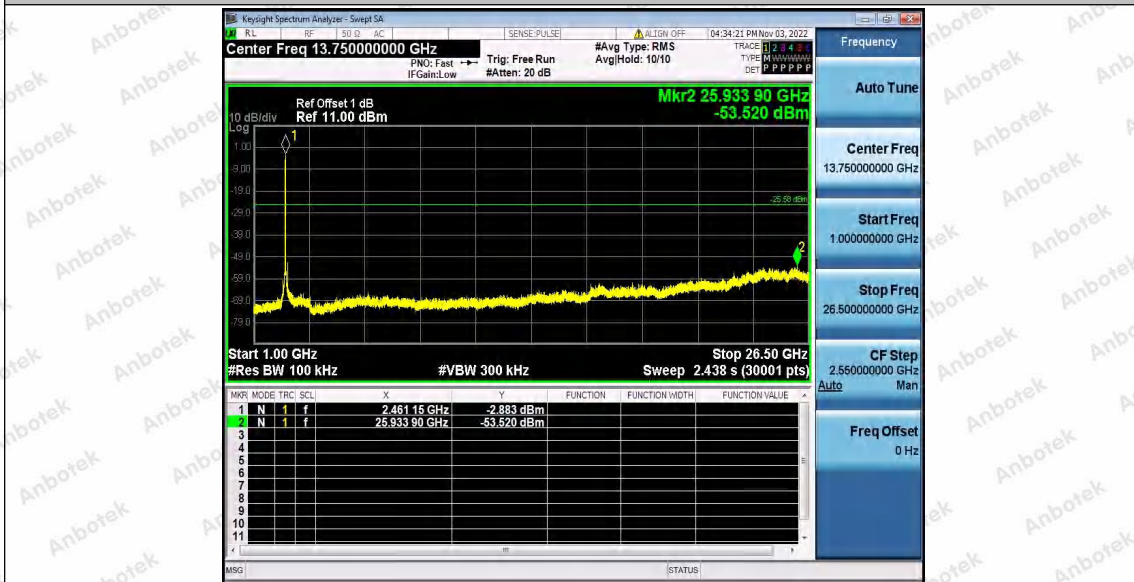
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40\_Ant1\_2452\_1000~26500



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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	12.32	12.70	97.01	0.13
		2437	12.31	12.70	96.93	0.14
		2462	12.32	12.70	97.01	0.13
11G	Ant1	2412	2.05	2.12	96.70	0.15
		2437	2.05	2.12	96.70	0.15
		2462	2.05	2.12	96.70	0.15
11N20	Ant1	2412	1.91	1.97	96.95	0.13
		2437	1.91	1.98	96.46	0.16
		2462	1.91	1.97	96.95	0.13
11N40	Ant1	2422	0.94	0.97	96.91	0.14
		2437	0.94	0.98	95.92	0.18
		2452	0.93	0.97	95.88	0.18

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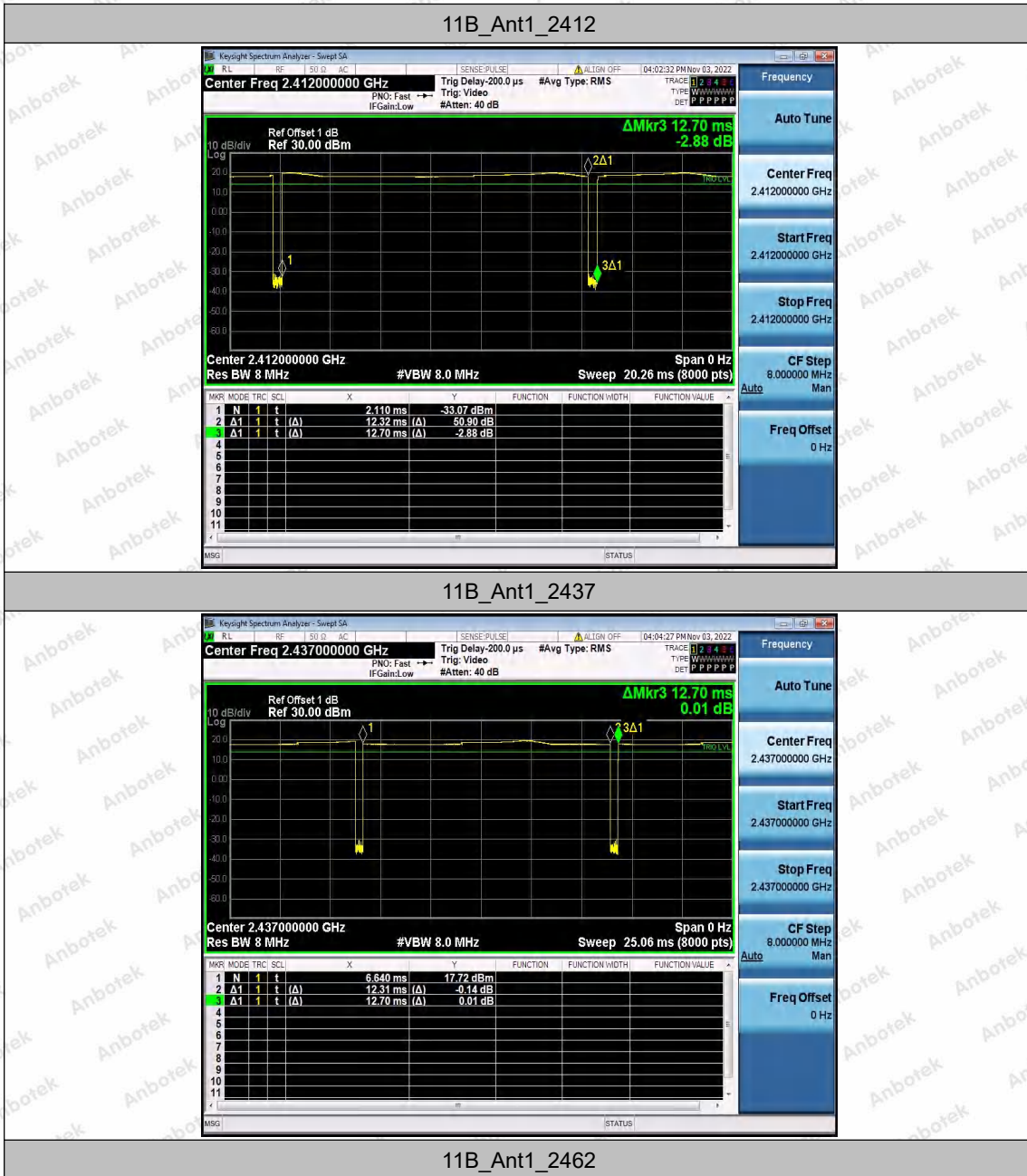
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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## Test Graphs



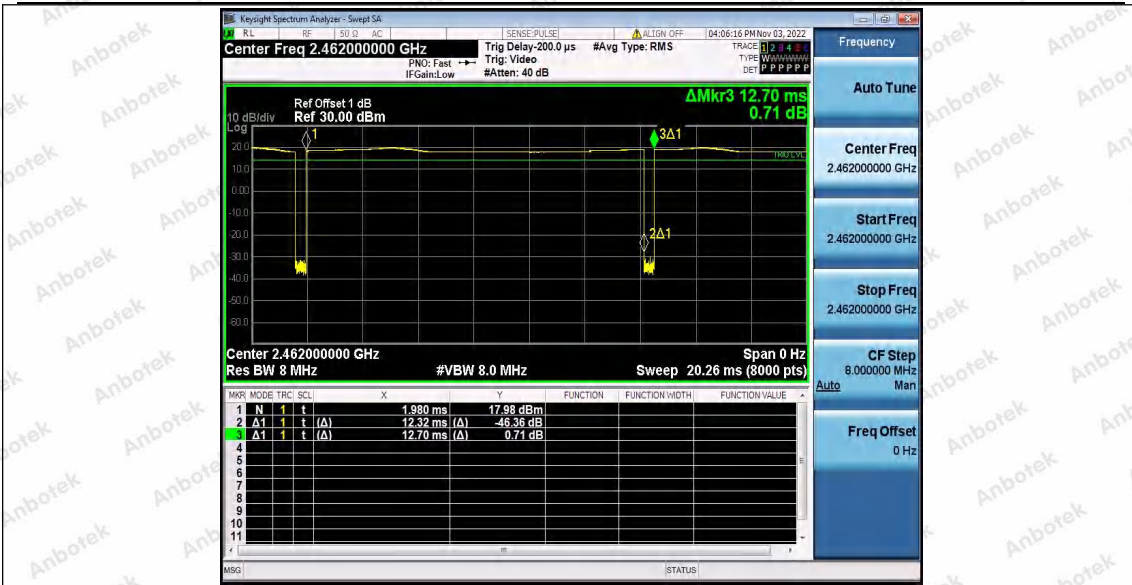
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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

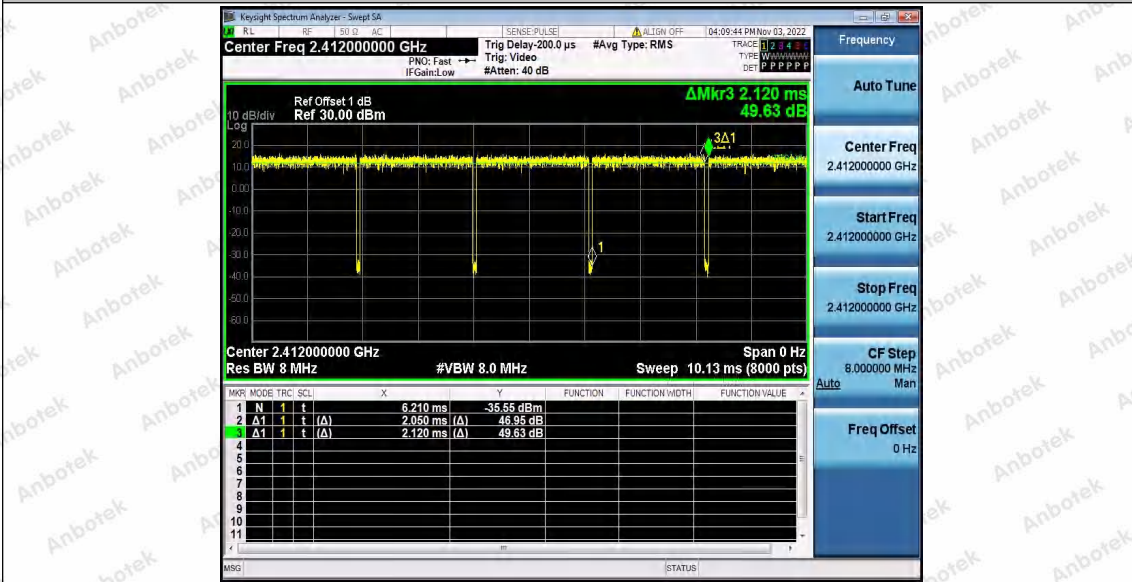
Hotline 400-003-0500  
www.anbotek.com.cn





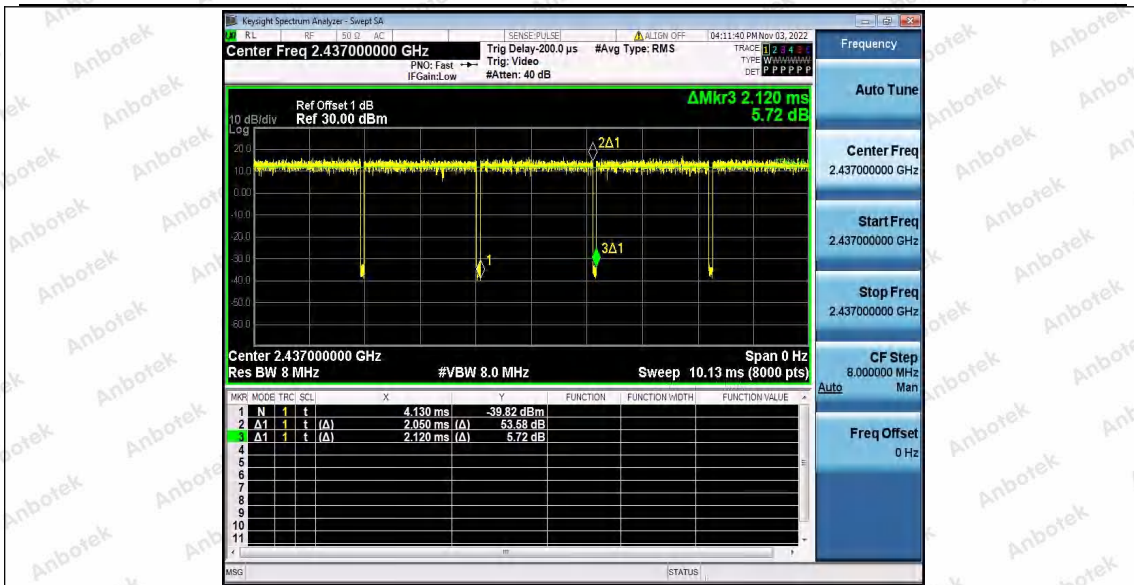


11G\_Ant1\_2412

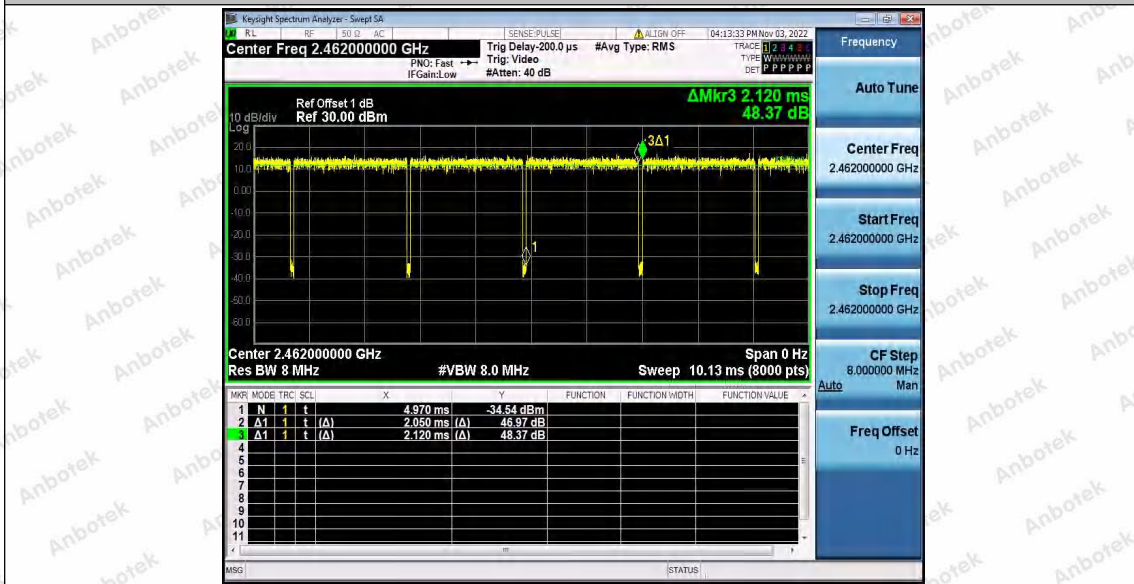


11G\_Ant1\_2437





11G\_Ant1\_2462



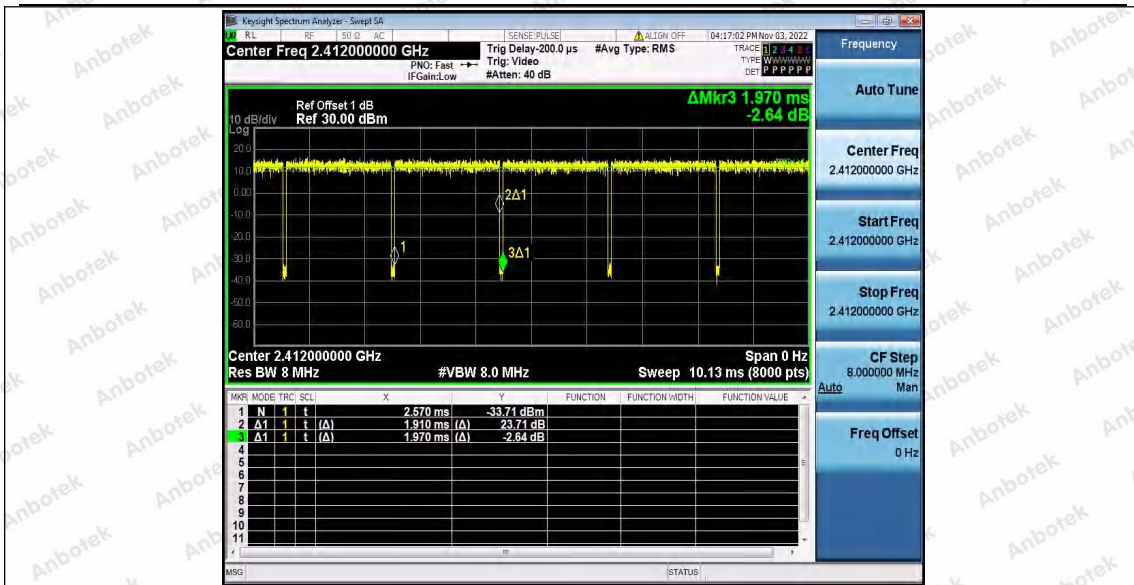
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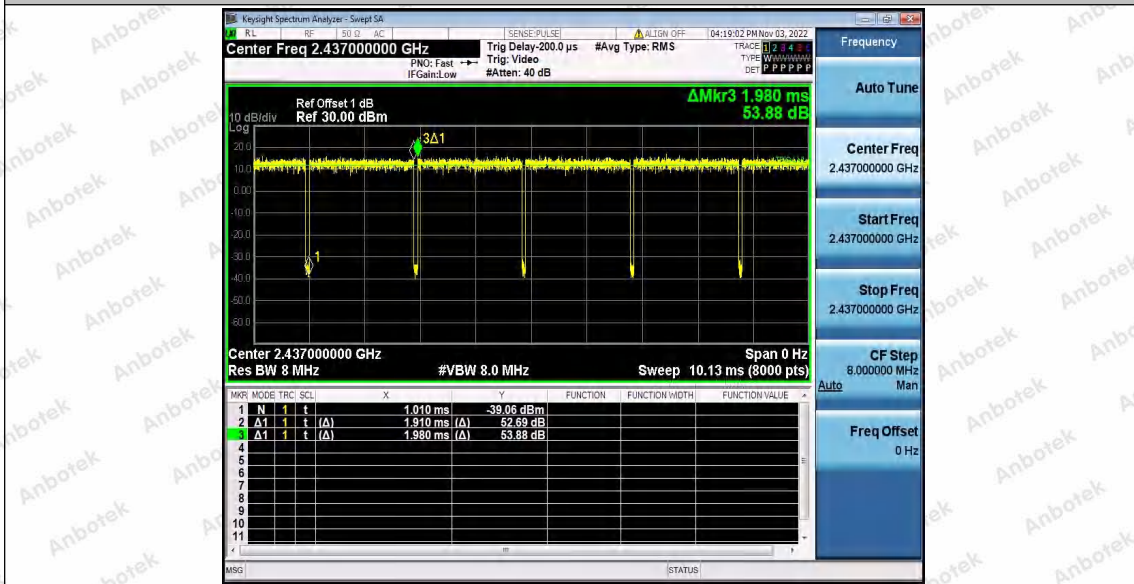
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20\_Ant1\_2437



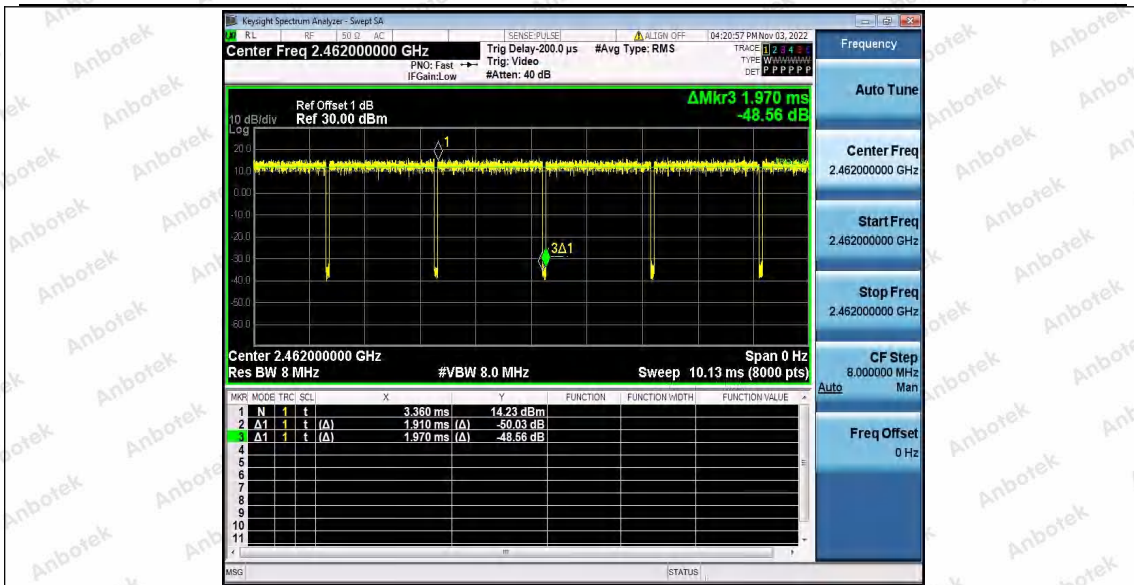
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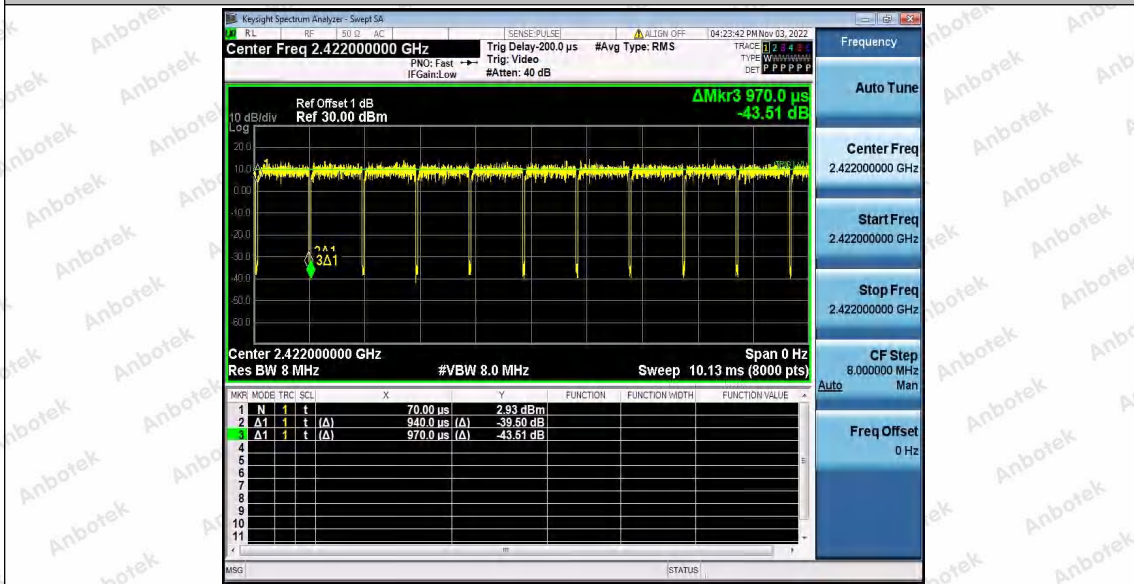
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11N40\_Ant1\_2422



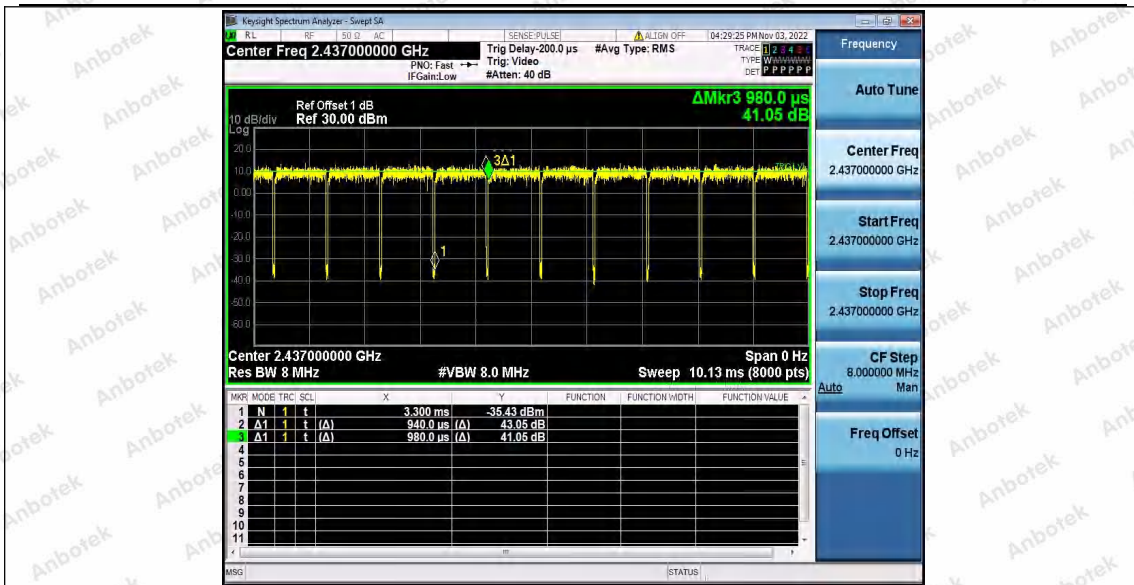
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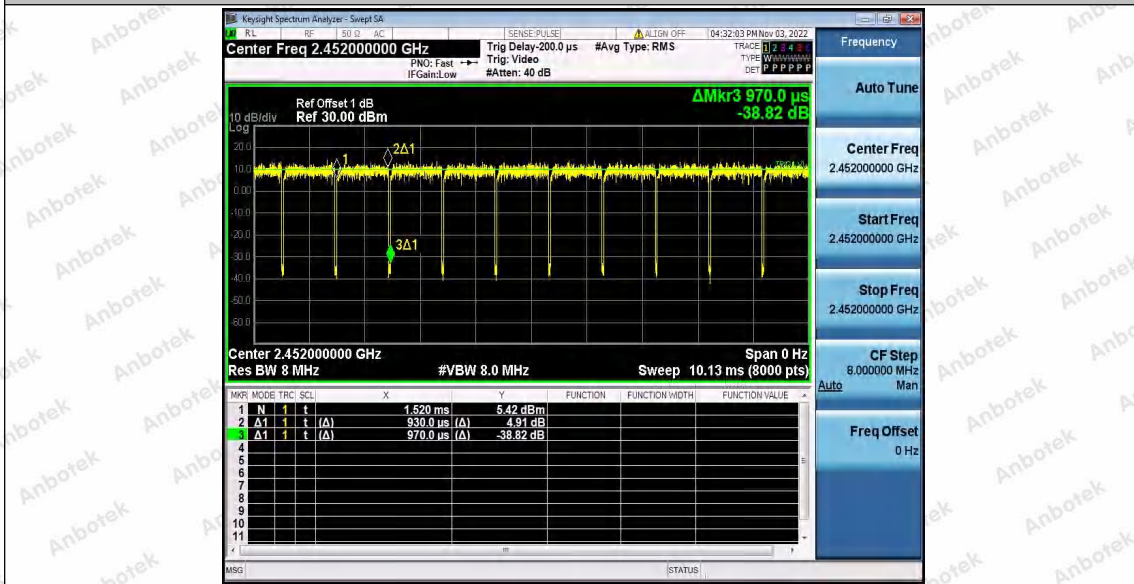
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40\_Ant1\_2452



---End---

