

## Appendix Test Data

Report No.:	18220WC30245802	Test Sample No.:	1-2-2
Start Test Date:	2023.11.27	Finish Test Date:	2023.12.02
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.4°C	Relative Humidity:	45%
Pressure:	101kPa		

## Appendix A: DTS Bandwidth

## Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.040	2408.480	2415.520	0.5	PASS
		2437	8.040	2432.920	2440.960	0.5	PASS
		2462	7.520	2457.960	2465.480	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.560	2428.200	2445.760	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	36.080	2404.080	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

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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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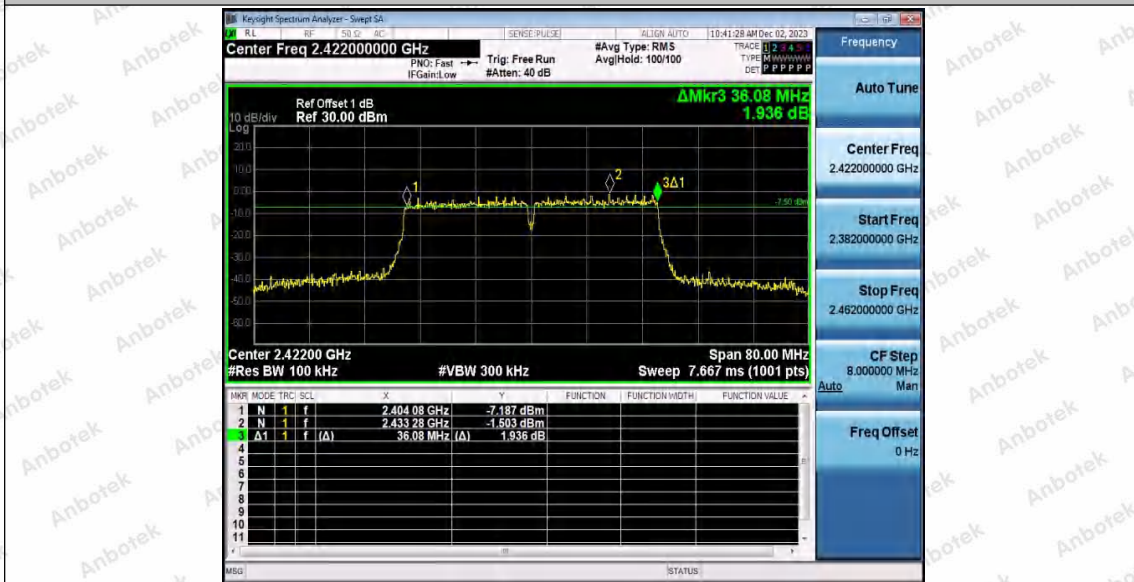
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11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437

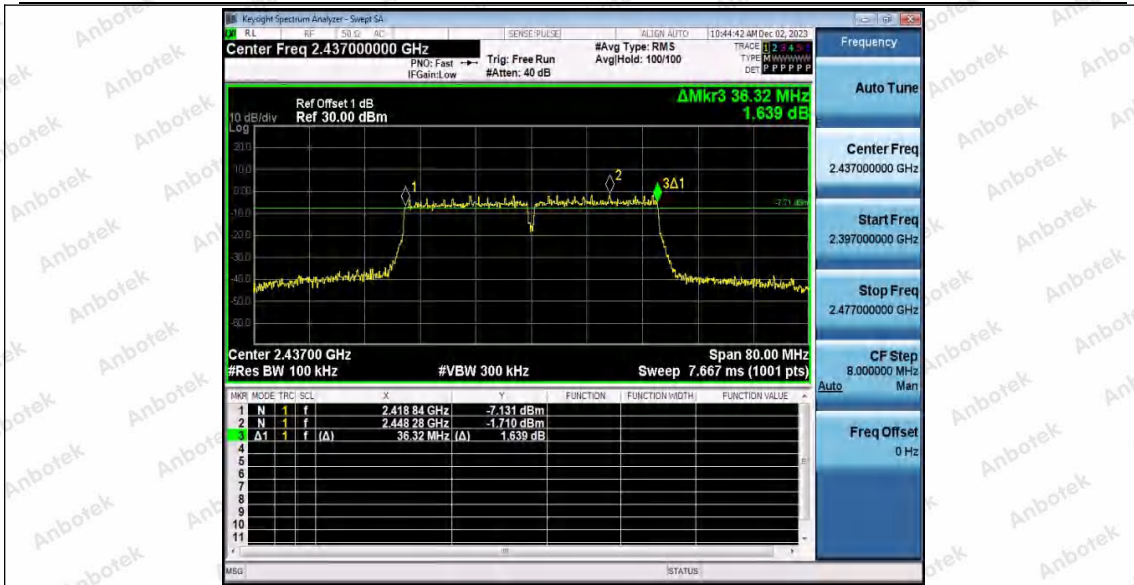
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11N40SISO\_Ant1\_2452



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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.513	2406.3397	2417.8527	---	---
		2437	11.459	2431.3954	2442.8544	---	---
		2462	11.533	2456.3695	2467.9025	---	---
11G	Ant1	2412	17.151	2403.4707	2420.6217	---	---
		2437	17.103	2428.4996	2445.6026	---	---
		2462	17.155	2453.5006	2470.6556	---	---
11N20SISO	Ant1	2412	18.247	2402.9413	2421.1883	---	---
		2437	18.156	2427.9951	2446.1511	---	---
		2462	18.150	2452.9611	2471.1111	---	---
11N40SISO	Ant1	2422	36.520	2403.8770	2440.3970	---	---
		2437	36.600	2418.8793	2455.4793	---	---
		2452	36.547	2433.9322	2470.4792	---	---

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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

TestMode	Antenna	Frequency[MHz]	Average Output Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	13.03	≤30.00
		2437	12.92	≤30.00
		2462	12.86	≤30.00
11G	Ant1	2412	12.77	≤30.00
		2437	12.90	≤30.00
		2462	12.95	≤30.00
11N20SISO	Ant1	2412	<b>13.57</b>	≤30.00
		2437	12.87	≤30.00
		2462	12.95	≤30.00
11N40SISO	Ant1	2422	13.21	≤30.00
		2437	13.21	≤30.00
		2452	13.45	≤30.00

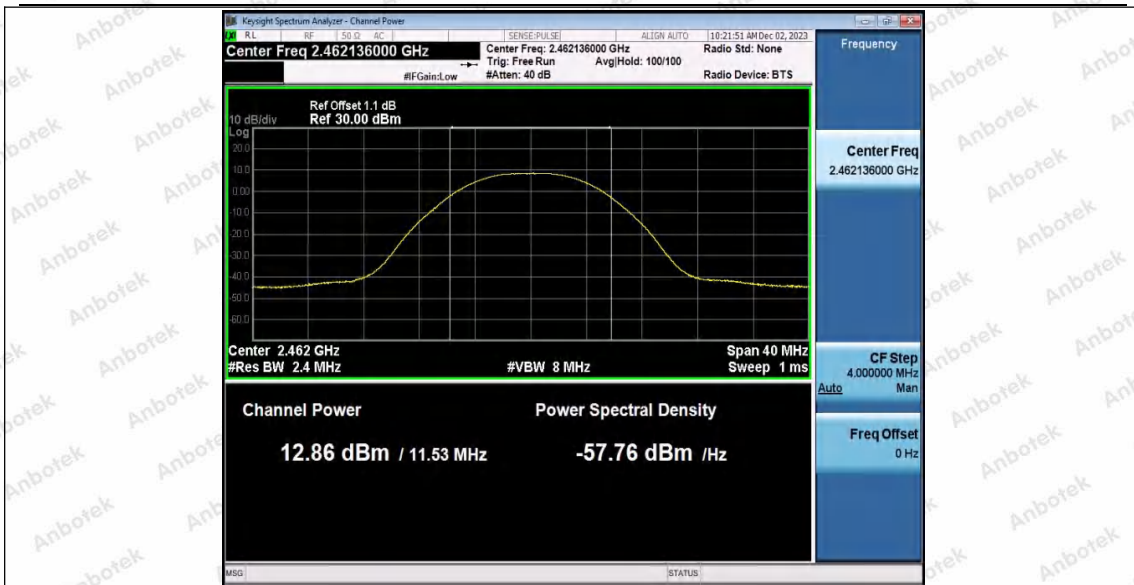
Note: The Duty Cycle Factor( $10 \cdot \log(1/D)$ ) and cable loss are compensated in the graph.



## Test Graphs







11G\_Ant1\_2412



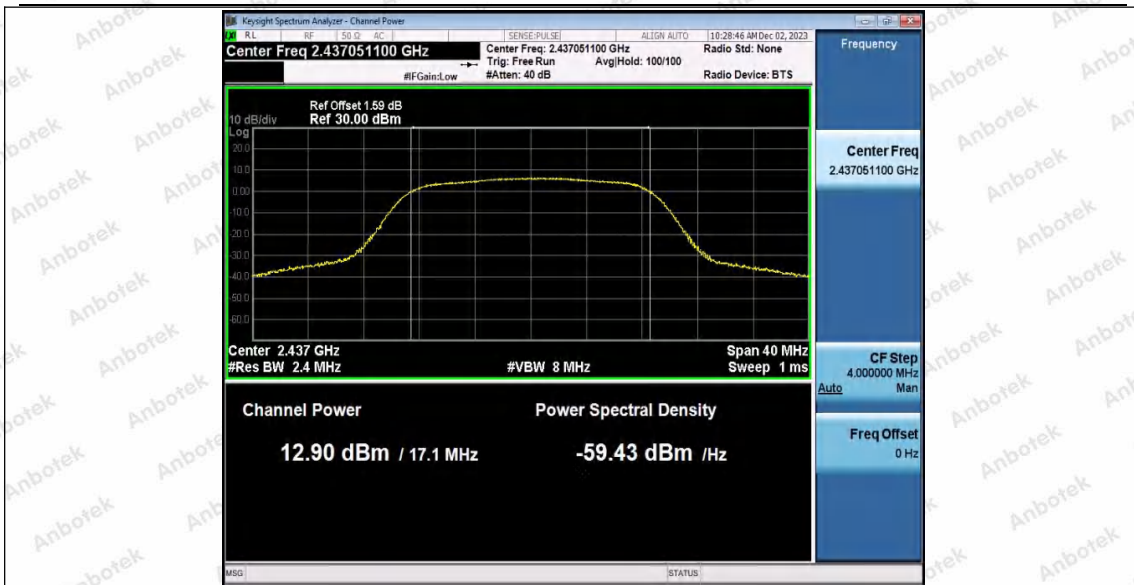
11G\_Ant1\_2437

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11G\_Ant1\_2462



11N20SISO\_Ant1\_2412

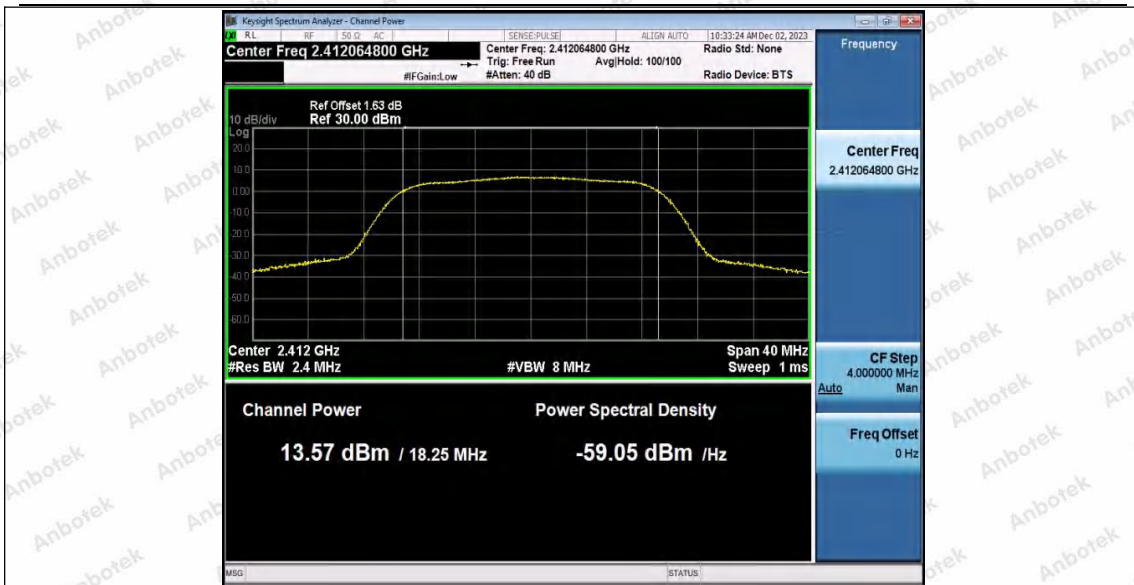
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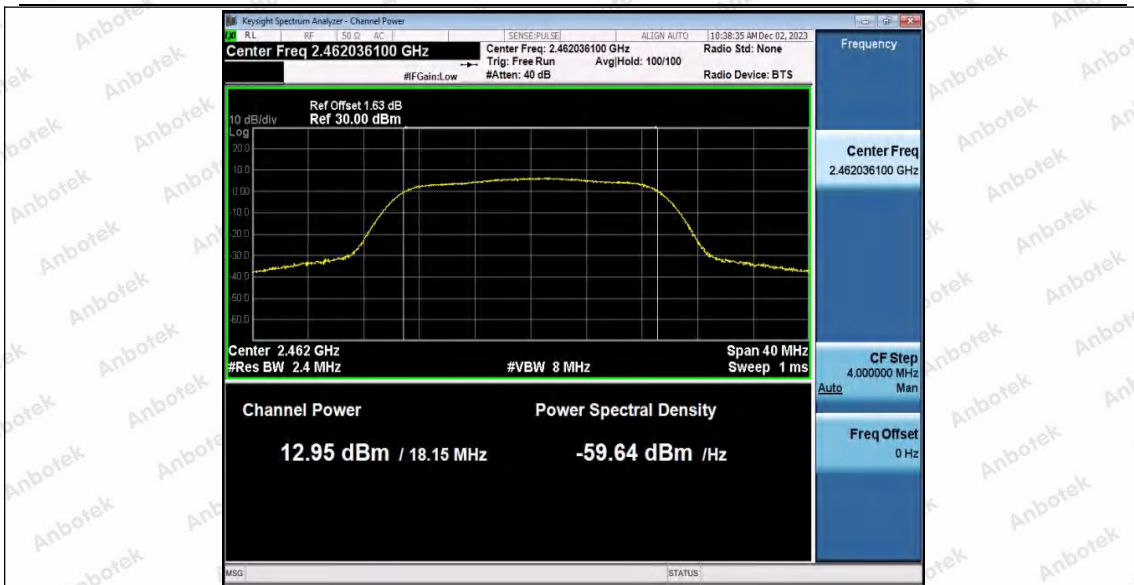


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11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437

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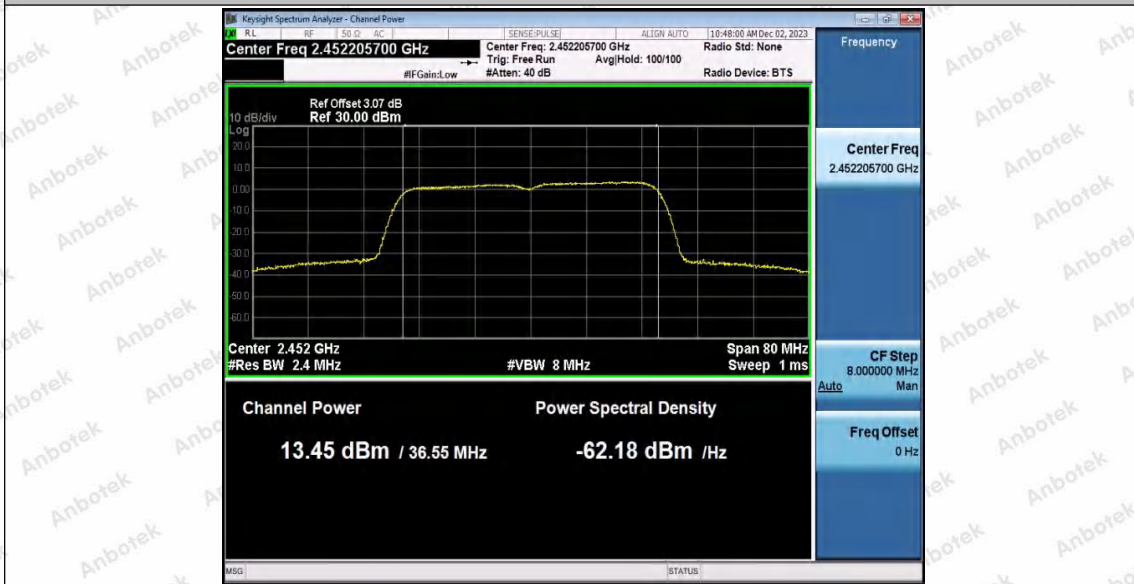
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11N40SISO\_Ant1\_2452



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Maximum conducted output power





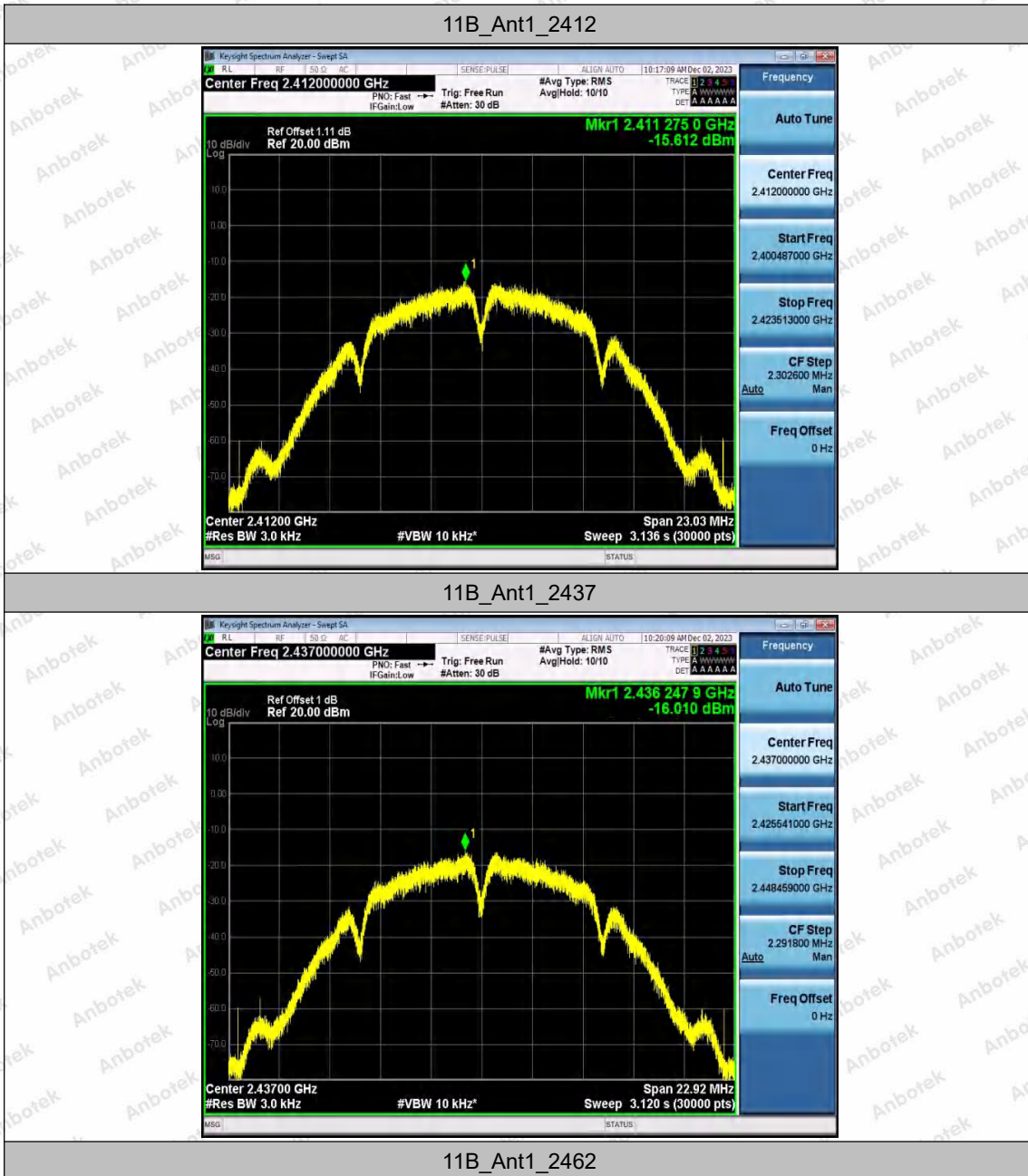
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.61	≤8.00	PASS
		2437	-16.01	≤8.00	PASS
		2462	-14.84	≤8.00	PASS
11G	Ant1	2412	-17.16	≤8.00	PASS
		2437	-17.71	≤8.00	PASS
		2462	-17.56	≤8.00	PASS
11N20SISO	Ant1	2412	-17.56	≤8.00	PASS
		2437	-17.88	≤8.00	PASS
		2462	-17.28	≤8.00	PASS
11N40SISO	Ant1	2422	-19.96	≤8.00	PASS
		2437	-20.27	≤8.00	PASS
		2452	-19.92	≤8.00	PASS



## Test Graphs



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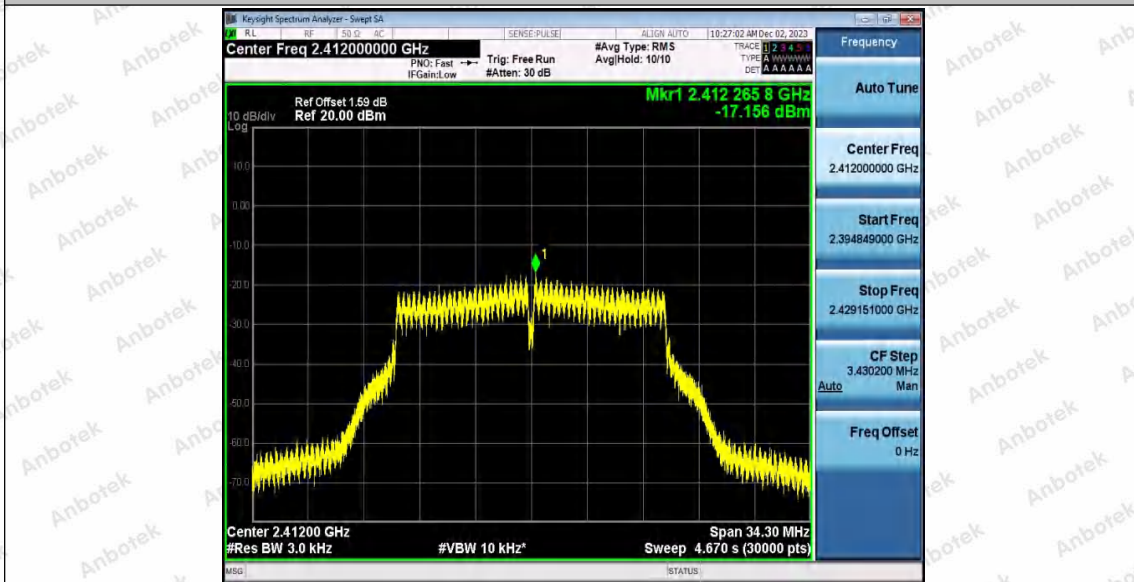
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11G\_Ant1\_2412



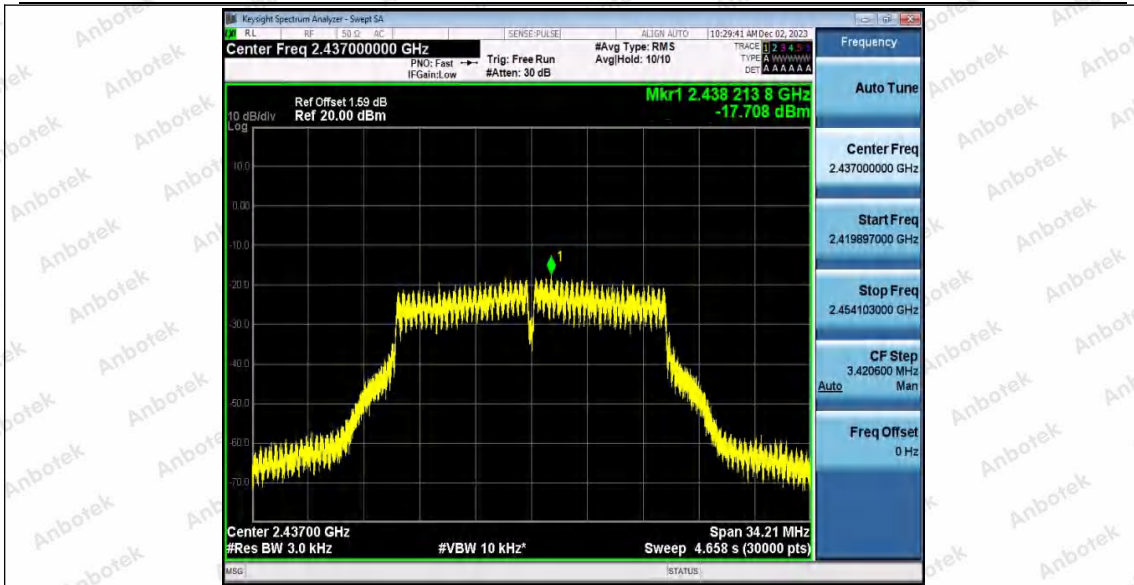
11G\_Ant1\_2437

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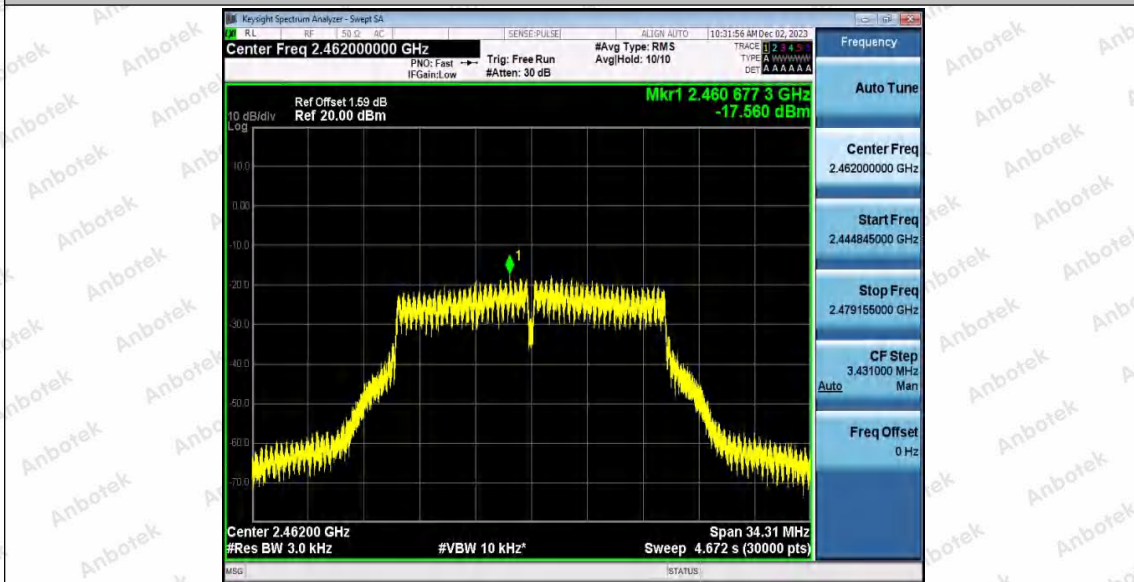
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11G\_Ant1\_2462



11N20SISO\_Ant1\_2412

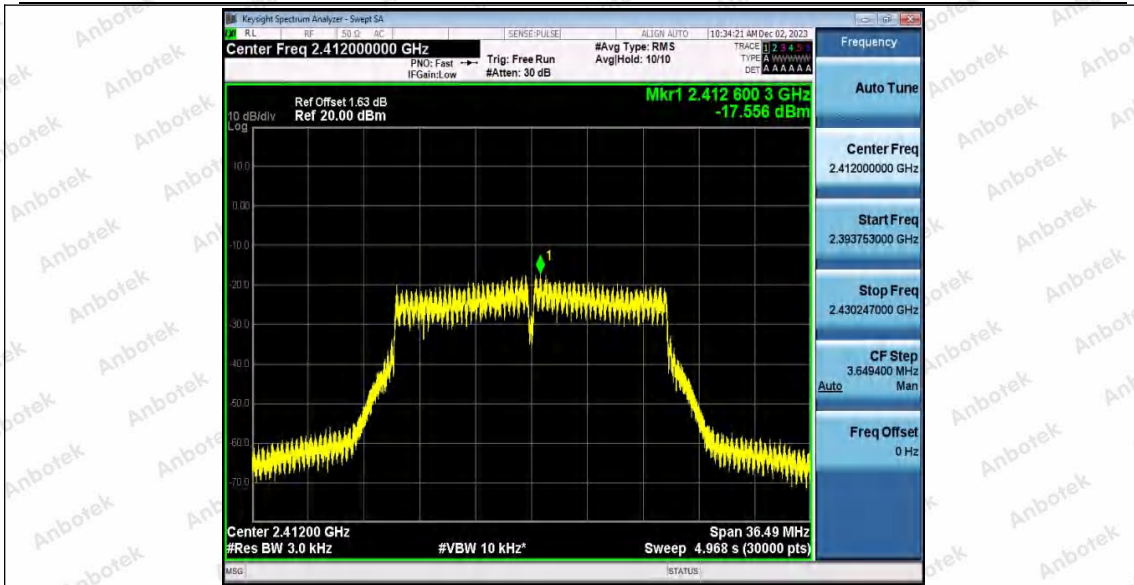
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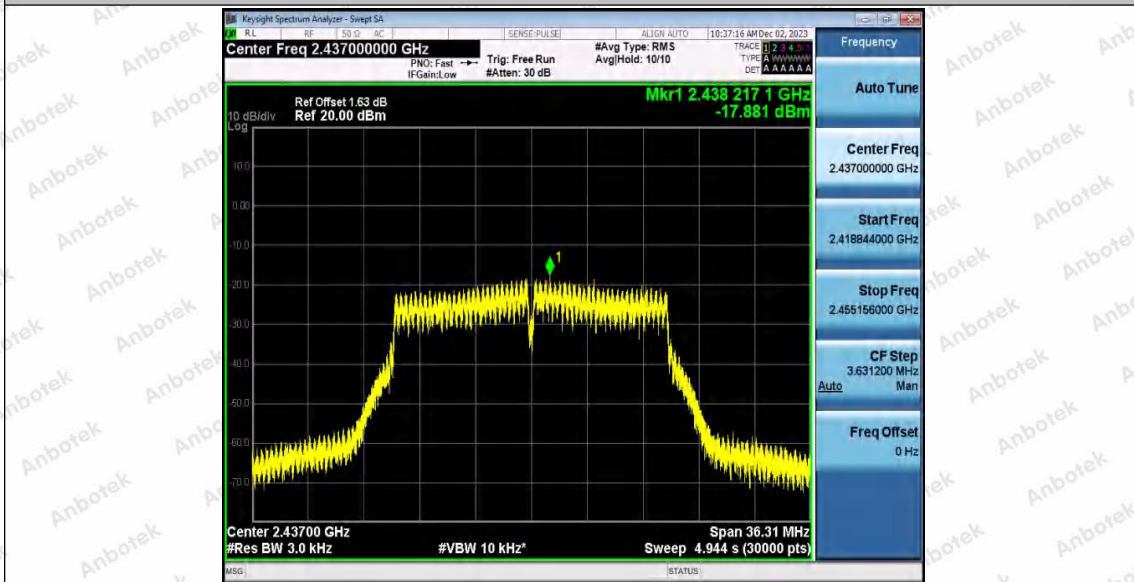
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11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

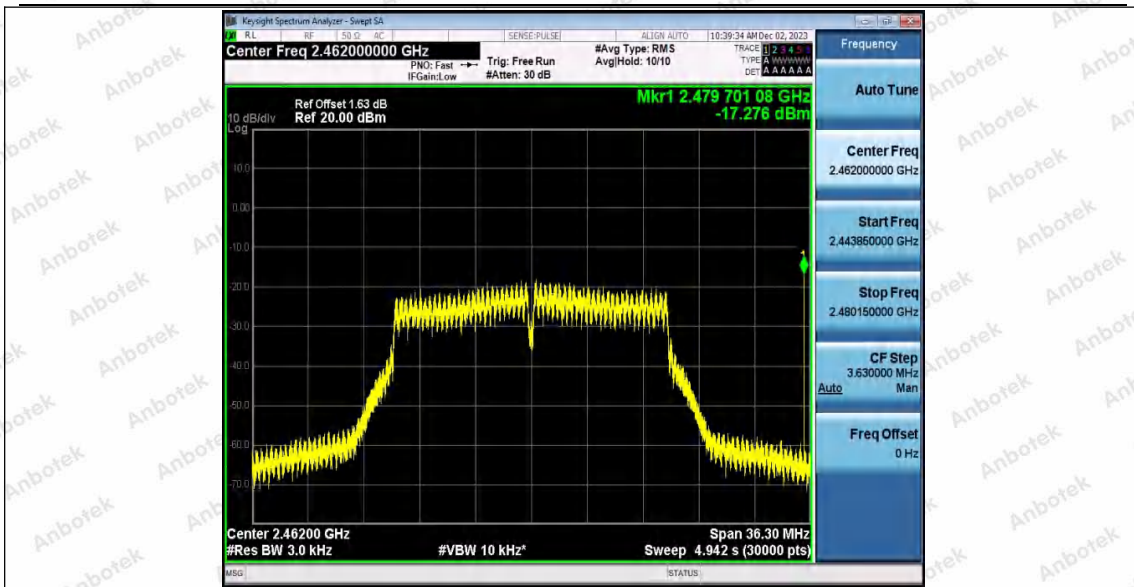
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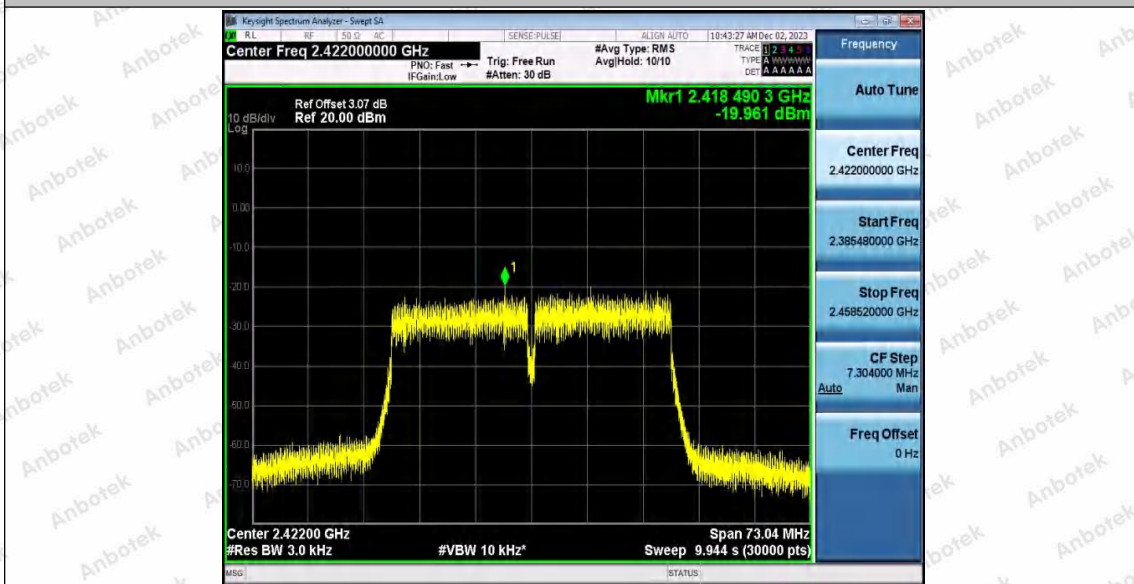


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11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437

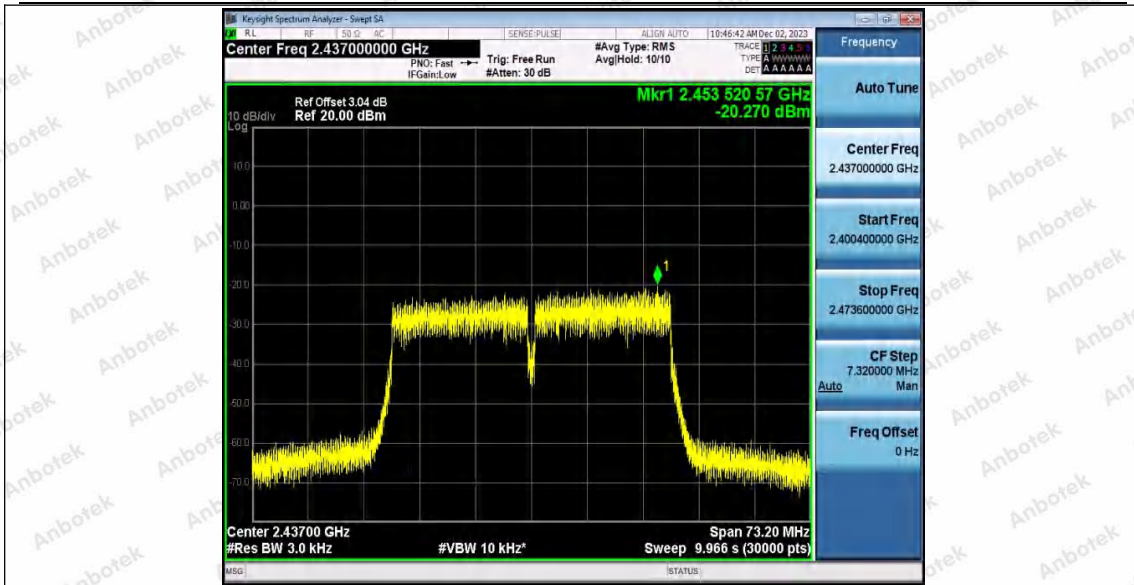
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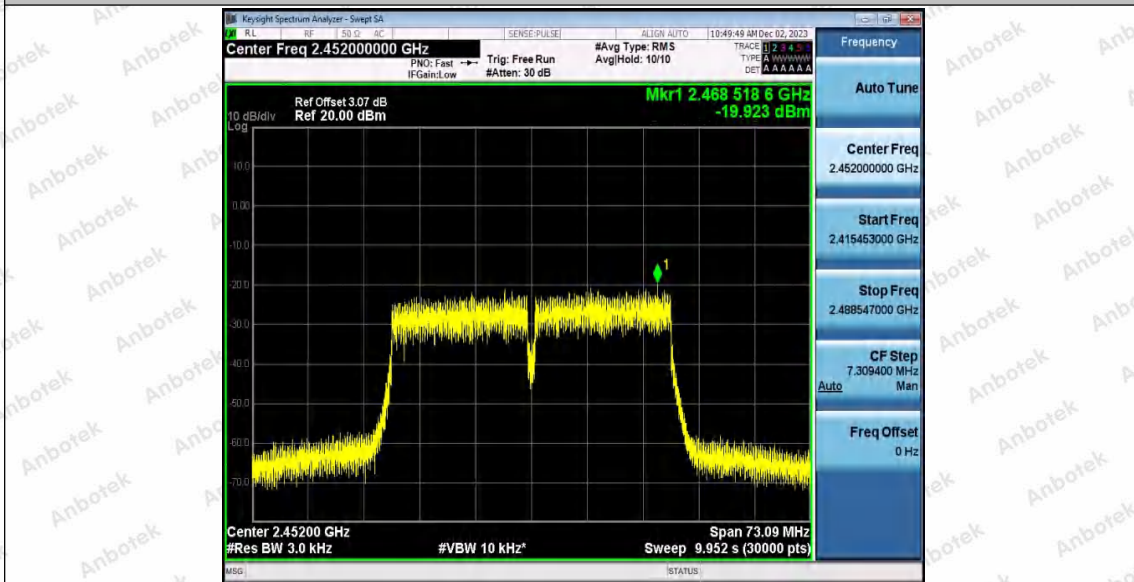
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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	5.43	-47.15	≤-24.57	PASS
		High	2462	4.96	-49.99	≤-25.04	PASS
11G	Ant1	Low	2412	0.52	-33.99	≤-29.48	PASS
		High	2462	0.71	-45.91	≤-29.3	PASS
11N20SISO	Ant1	Low	2412	0.67	-33.74	≤-29.33	PASS
		High	2462	1.23	-44.37	≤-28.77	PASS
11N40SISO	Ant1	Low	2422	-2.44	-36.67	≤-32.44	PASS
		High	2452	-1.21	-38.18	≤-31.21	PASS

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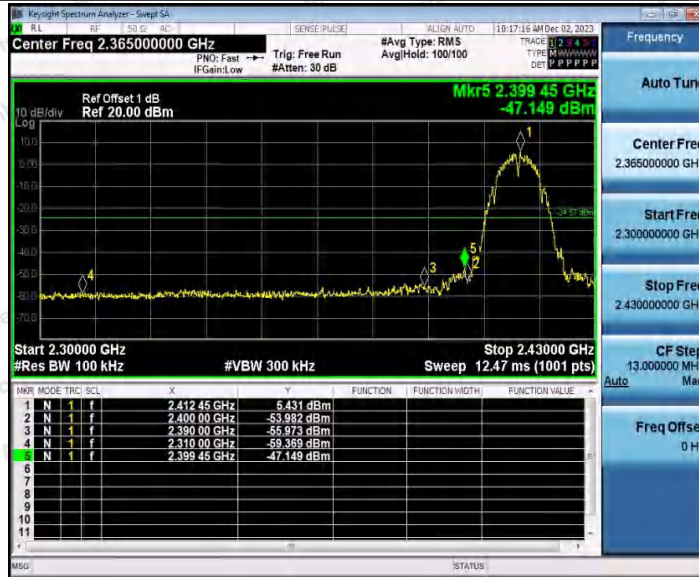
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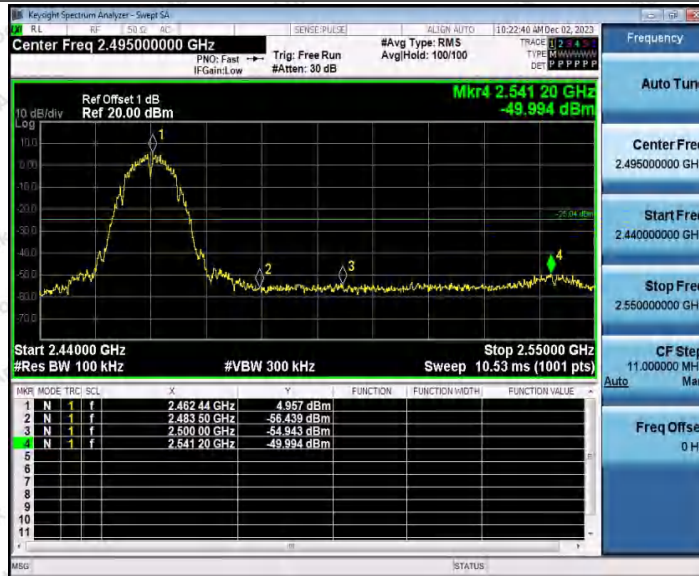


## Test Graphs

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412

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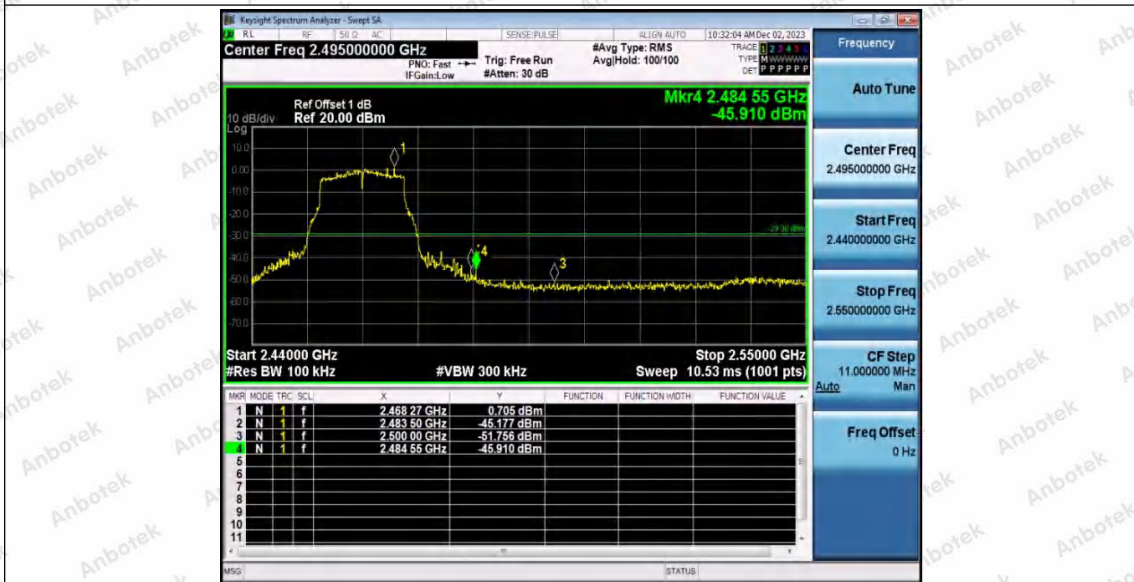
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11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412

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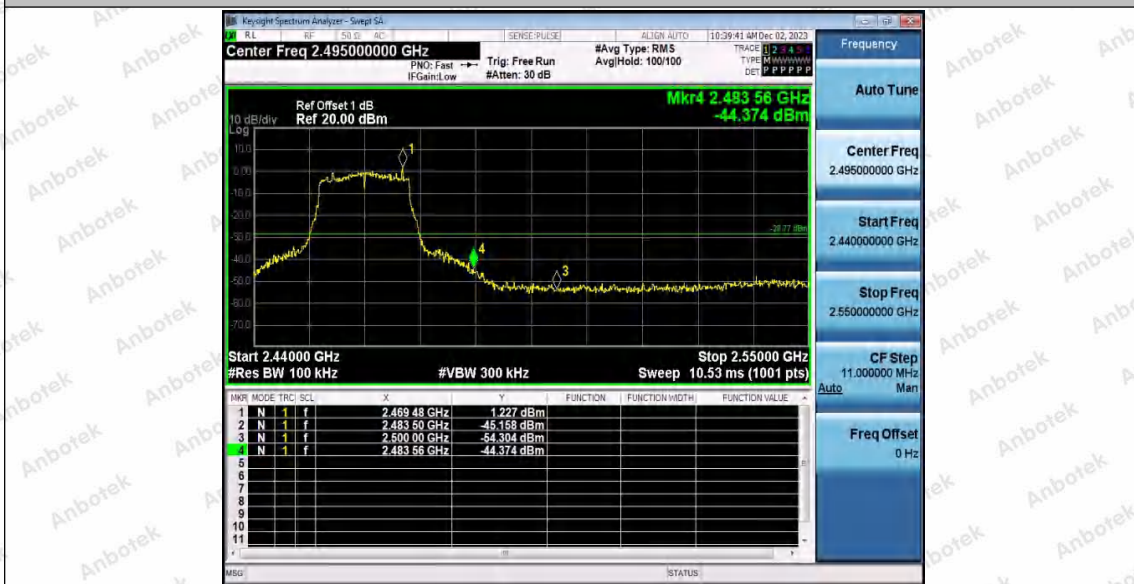
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11N20SISO\_Ant1\_High\_2462



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	3.92	3.92	---	PASS
			30~1000	3.92	-70.02	≤-26.08	PASS
			1000~26500	3.92	-52.65	≤-26.08	PASS
		2437	Reference	4.96	4.96	---	PASS
			30~1000	4.96	-68.89	≤-25.04	PASS
			1000~26500	4.96	-51.6	≤-25.04	PASS
		2462	Reference	4.82	4.82	---	PASS
			30~1000	4.82	-69.38	≤-25.18	PASS
			1000~26500	4.82	-51.92	≤-25.18	PASS
11G	Ant1	2412	Reference	-0.92	-0.92	---	PASS
			30~1000	-0.92	-69.37	≤-30.92	PASS
			1000~26500	-0.92	-51.39	≤-30.92	PASS
		2437	Reference	0.53	0.53	---	PASS
			30~1000	0.53	-69.17	≤-29.47	PASS
			1000~26500	0.53	-50.17	≤-29.47	PASS
		2462	Reference	-0.02	-0.02	---	PASS
			30~1000	-0.02	-69.17	≤-30.02	PASS
			1000~26500	-0.02	-51.31	≤-30.02	PASS
11N20SISO	Ant1	2412	Reference	1.04	1.04	---	PASS
			30~1000	1.04	-69.48	≤-28.96	PASS
			1000~26500	1.04	-50.26	≤-28.96	PASS
		2437	Reference	0.70	0.70	---	PASS
			30~1000	0.70	-69.61	≤-29.3	PASS
			1000~26500	0.70	-50.73	≤-29.3	PASS
		2462	Reference	-0.18	-0.18	---	PASS
			30~1000	-0.18	-69.22	≤-30.18	PASS
			1000~26500	-0.18	-49.46	≤-30.18	PASS
11N40SISO	Ant1	2422	Reference	-1.61	-1.61	---	PASS
			30~1000	-1.61	-68.64	≤-31.61	PASS
			1000~26500	-1.61	-53.55	≤-31.61	PASS
		2437	Reference	-1.65	-1.65	---	PASS
			30~1000	-1.65	-69.28	≤-31.65	PASS
			1000~26500	-1.65	-53.29	≤-31.65	PASS
		2452	Reference	-2.56	-2.56	---	PASS
			30~1000	-2.56	-69.52	≤-32.56	PASS

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			1000~26500	-2.56	-54.05	≤-32.56	PASS
--	--	--	------------	-------	--------	---------	------

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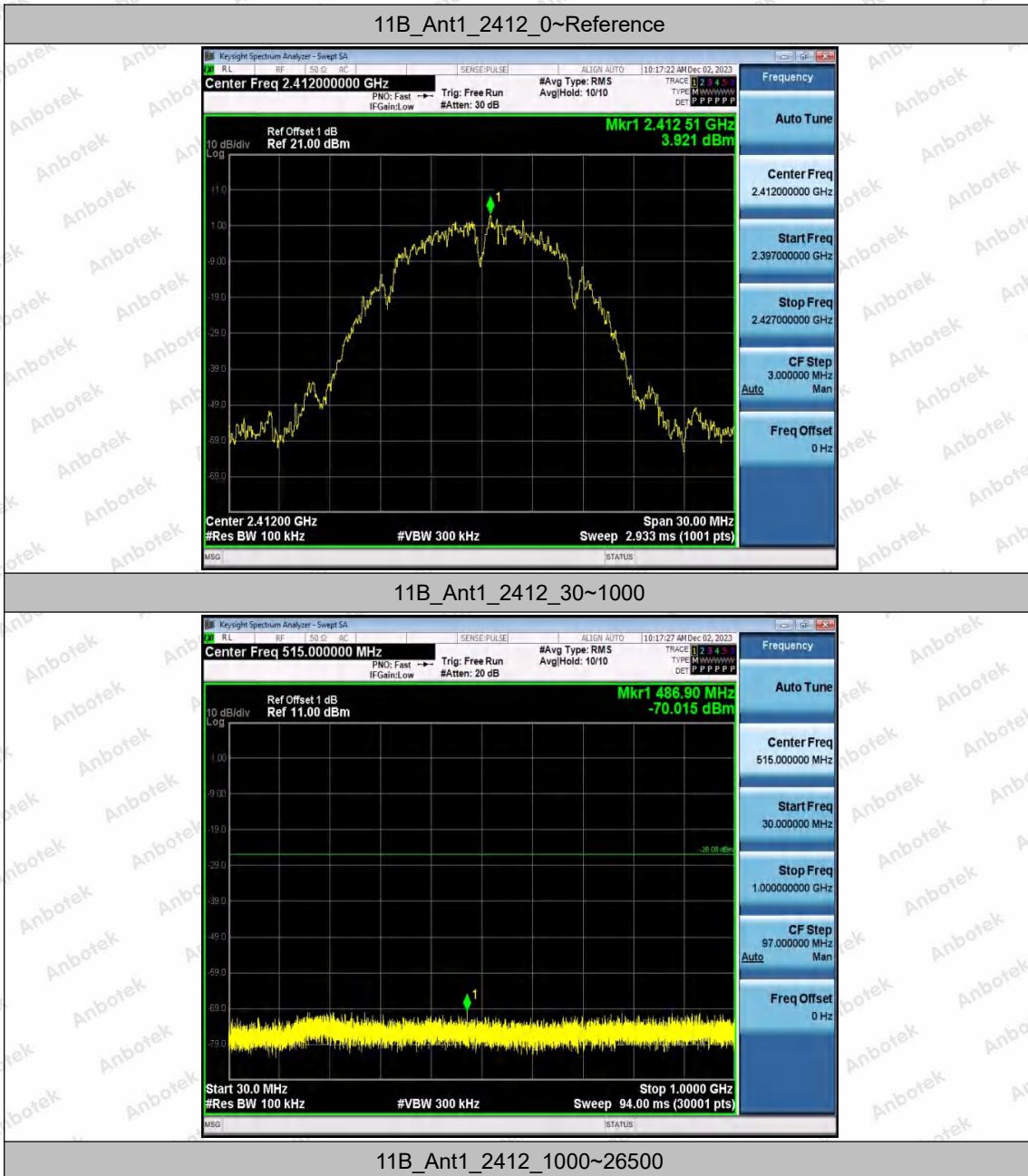


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## Test Graphs

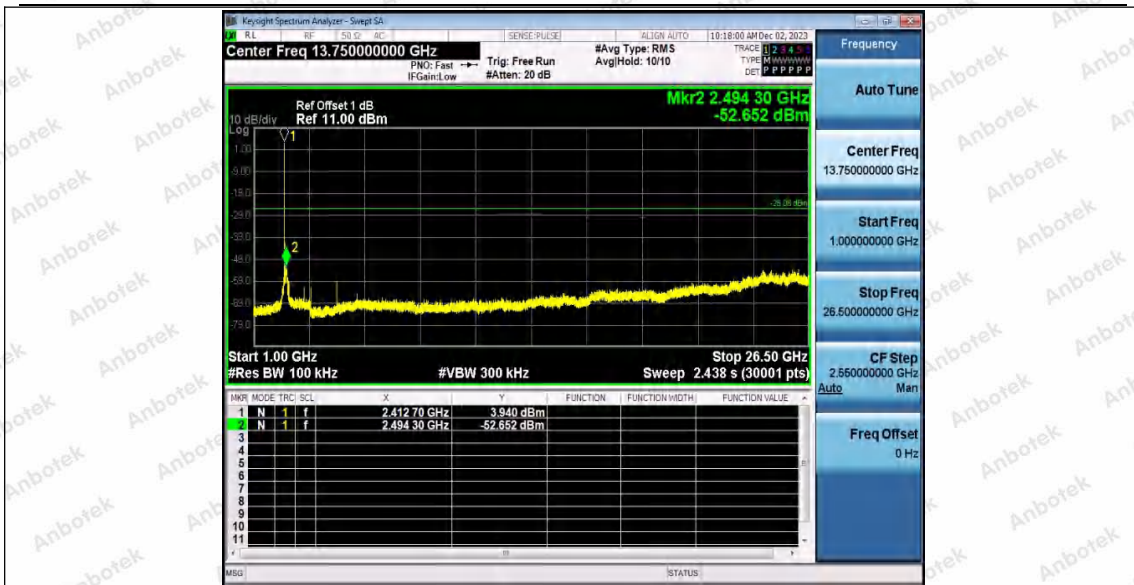


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11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

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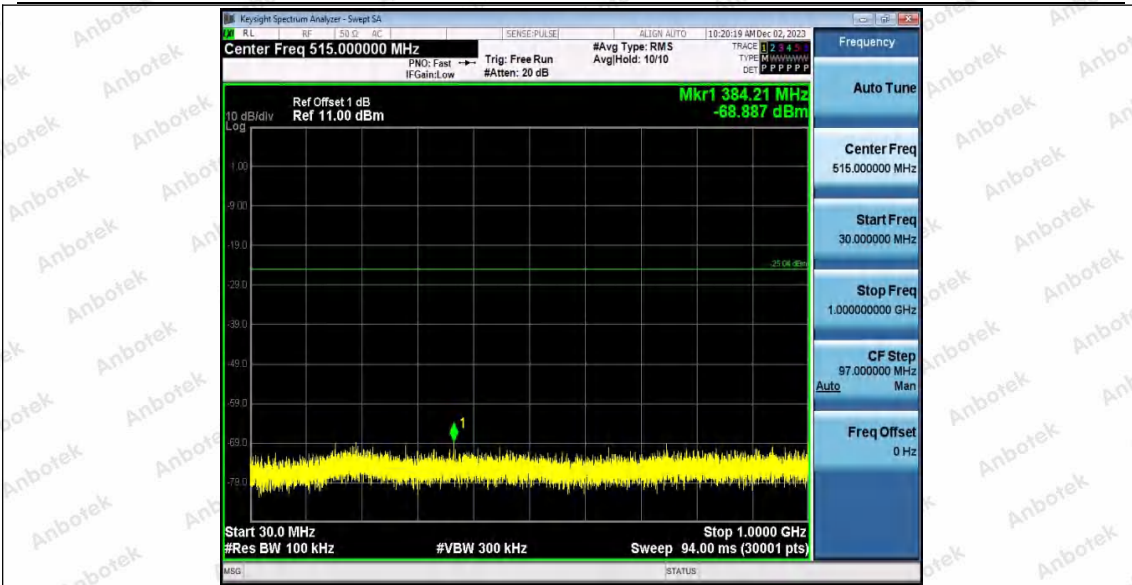
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



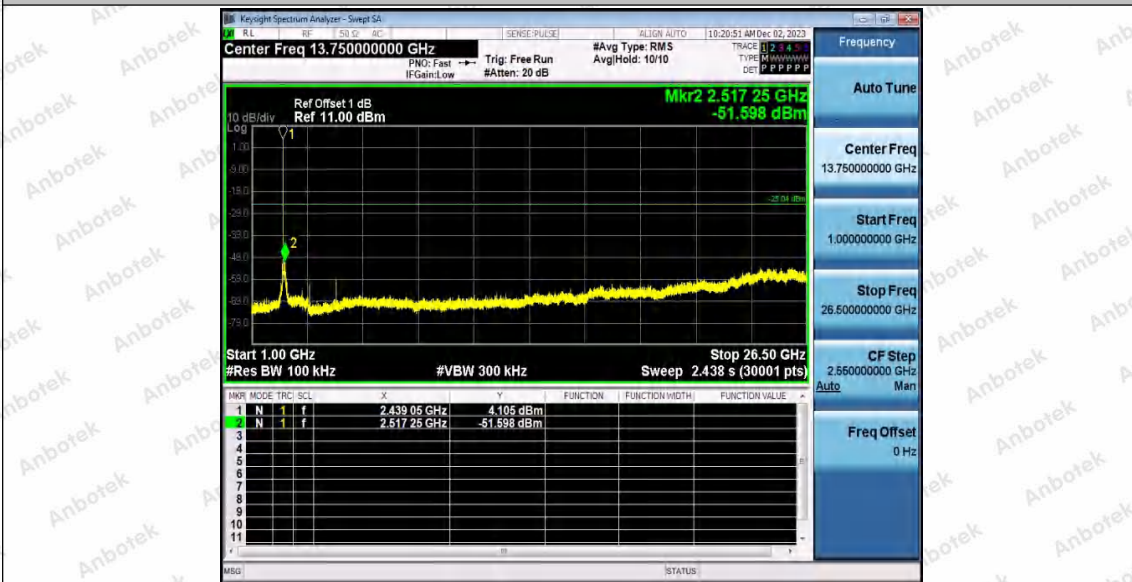
Hotline  
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11B\_Ant1\_2437\_1000~26500



11B\_Ant1\_2462\_0~Reference

## Shenzhen Anbotek Compliance Laboratory Limited

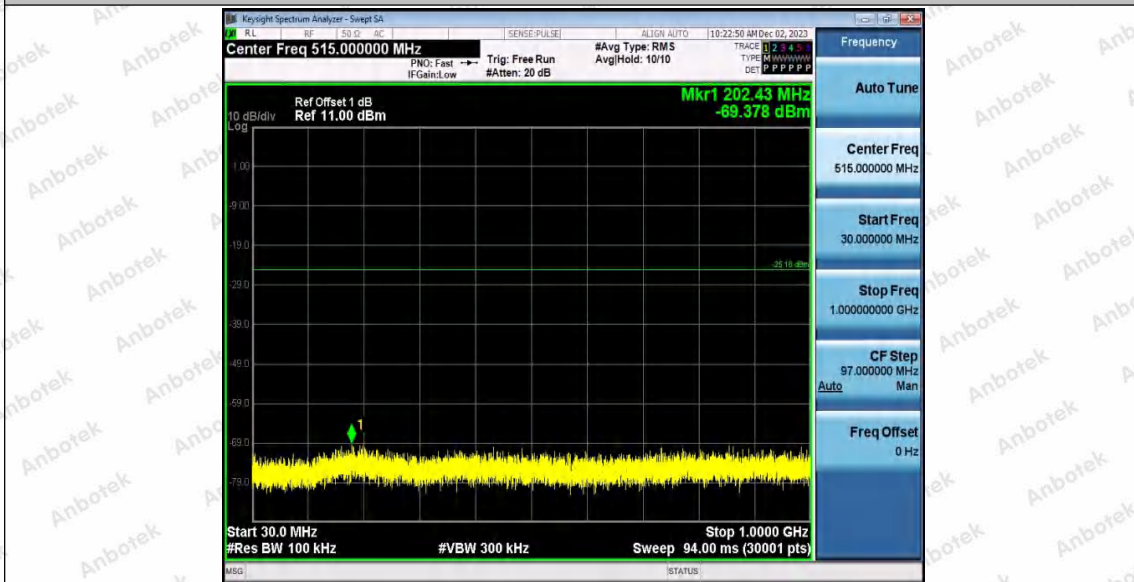
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500

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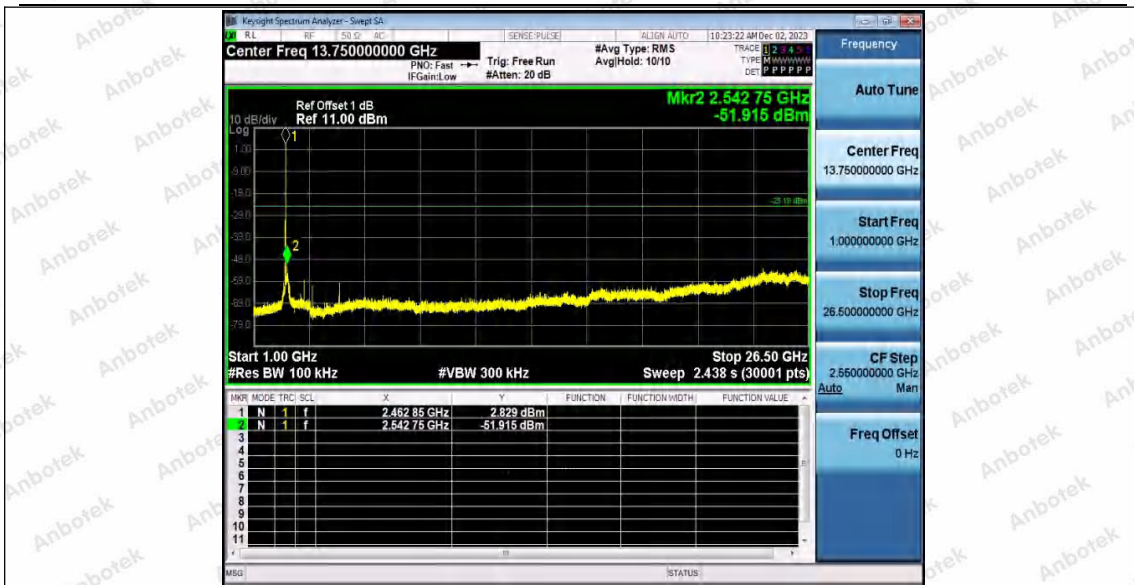
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



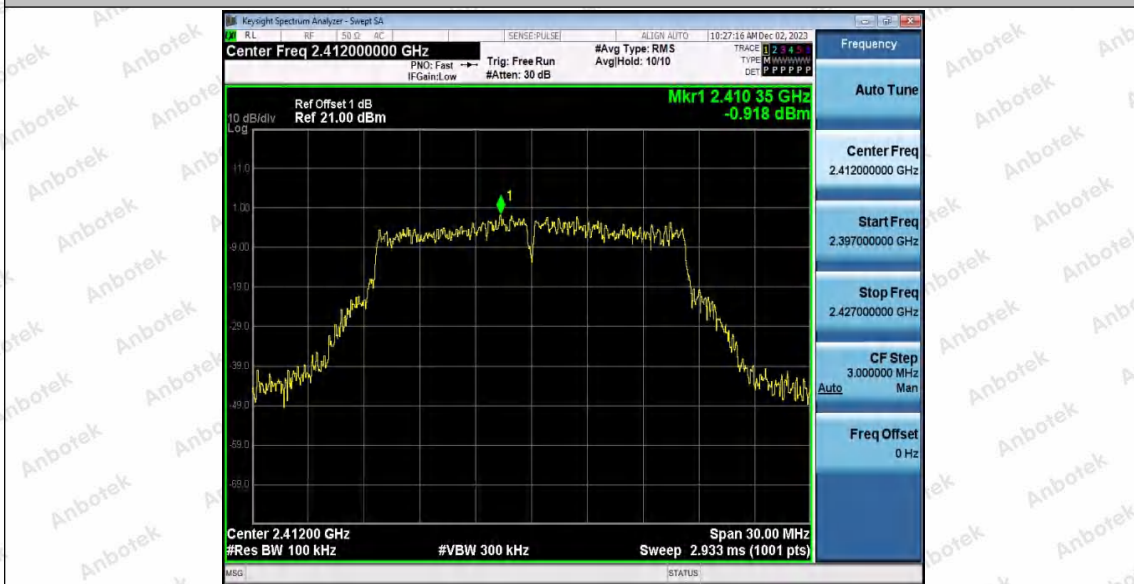
Hotline  
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11G\_Ant1\_2412\_0~Reference



11G\_Ant1\_2412\_30~1000

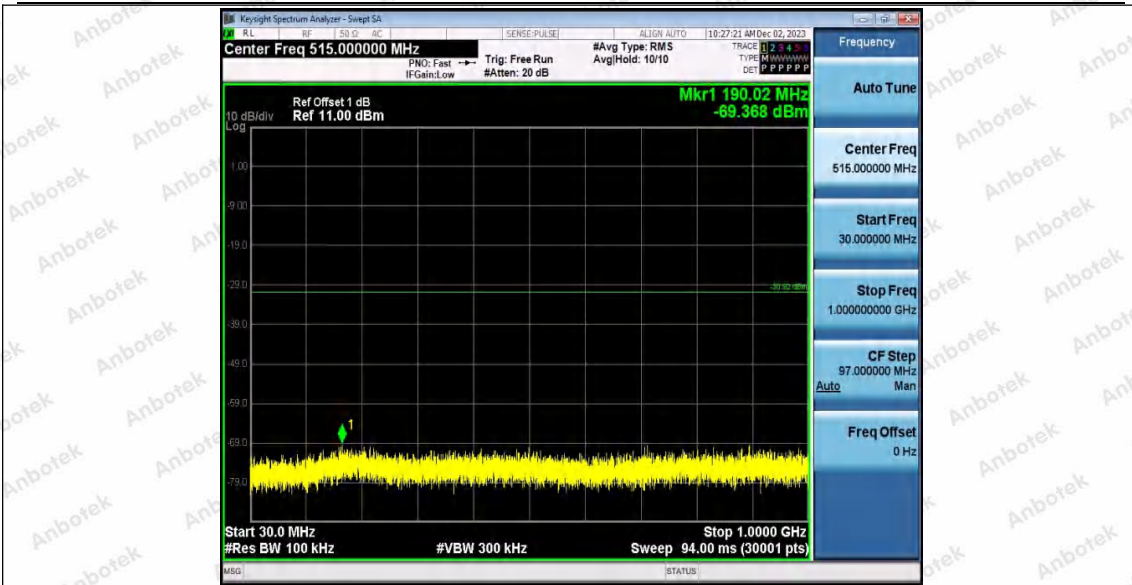
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

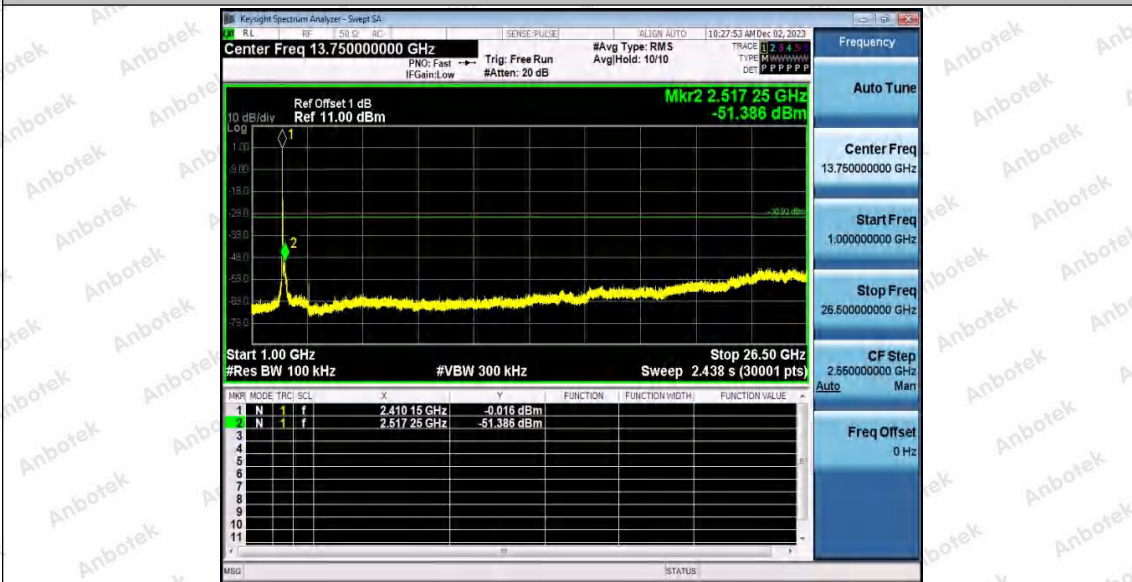


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11G\_Ant1\_2412\_1000~26500



11G\_Ant1\_2437\_0~Reference

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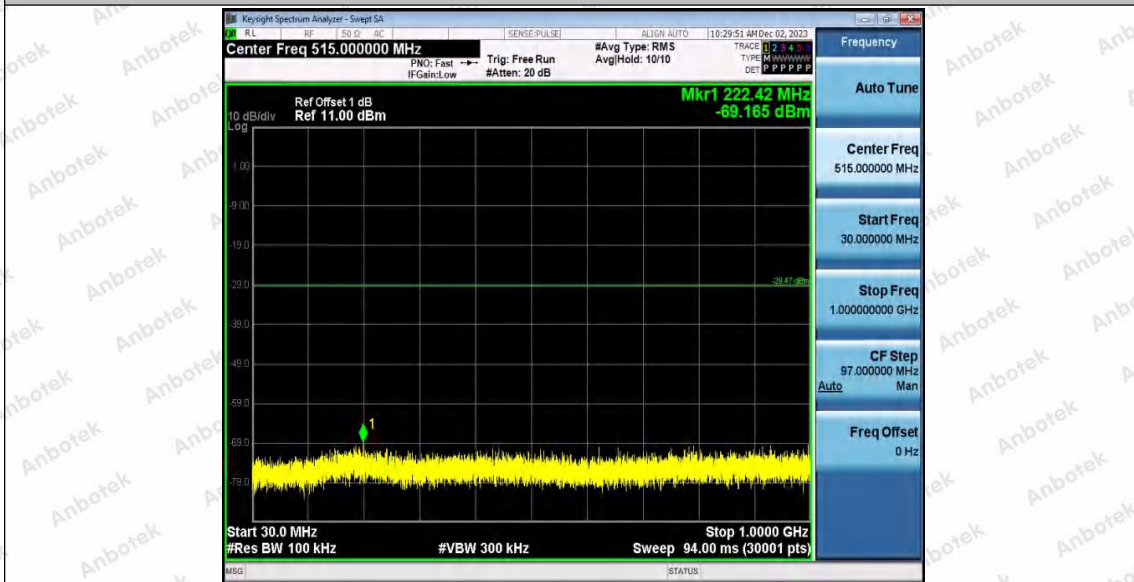
Hotline 400-003-0500  
 www.anbotek.com.cn







11G\_Ant1\_2437\_30~1000



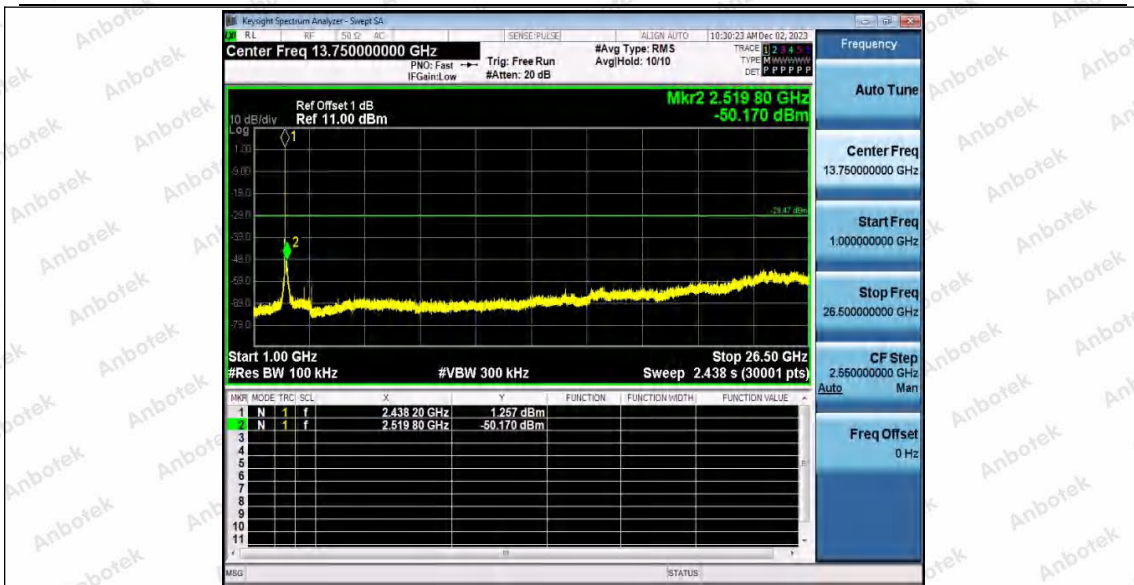
11G\_Ant1\_2437\_1000~26500

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11G\_Ant1\_2462\_0~Reference



11G\_Ant1\_2462\_30~1000

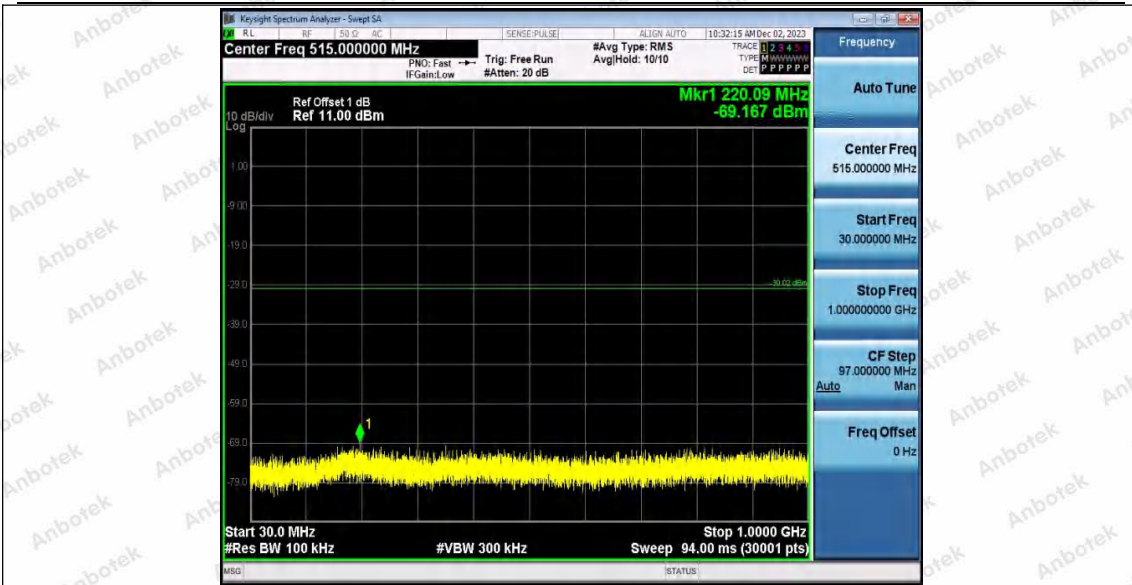
## Shenzhen Anbotek Compliance Laboratory Limited

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

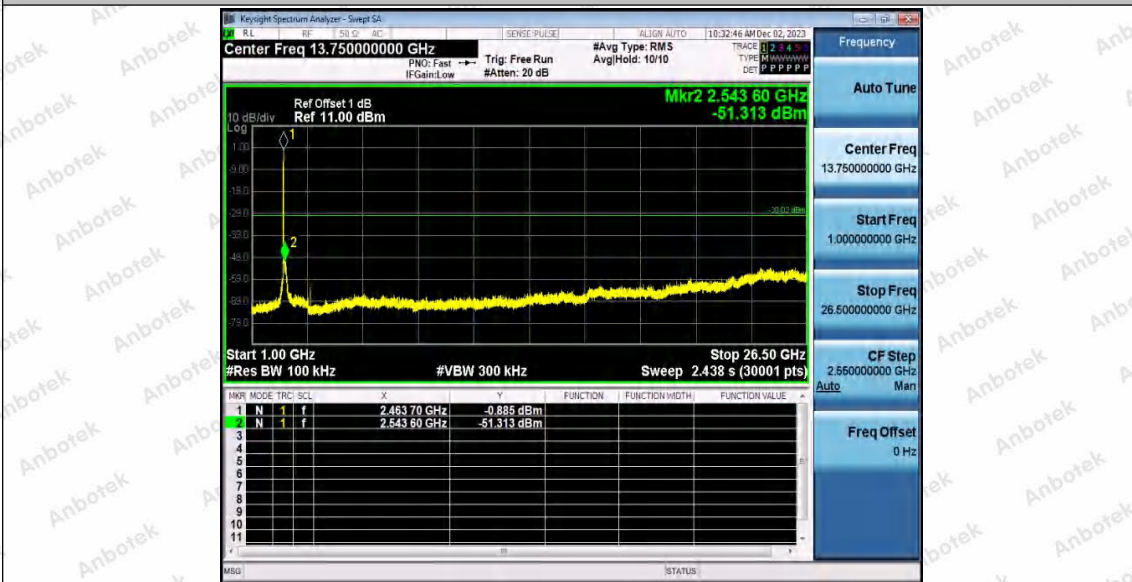
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11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference

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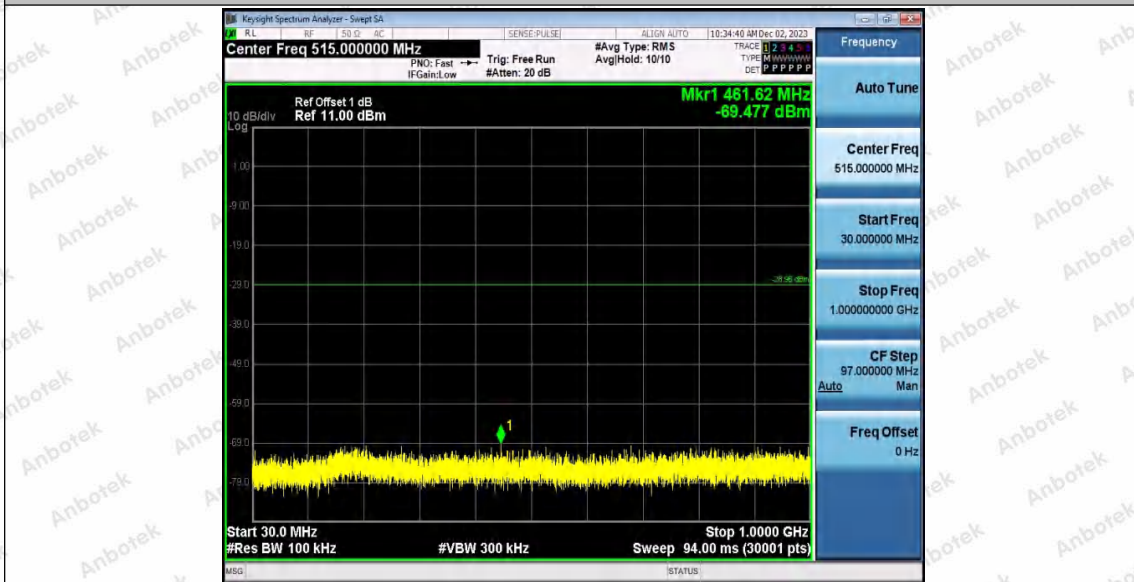
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N20SISO\_Ant1\_2412\_30~1000



11N20SISO\_Ant1\_2412\_1000~26500

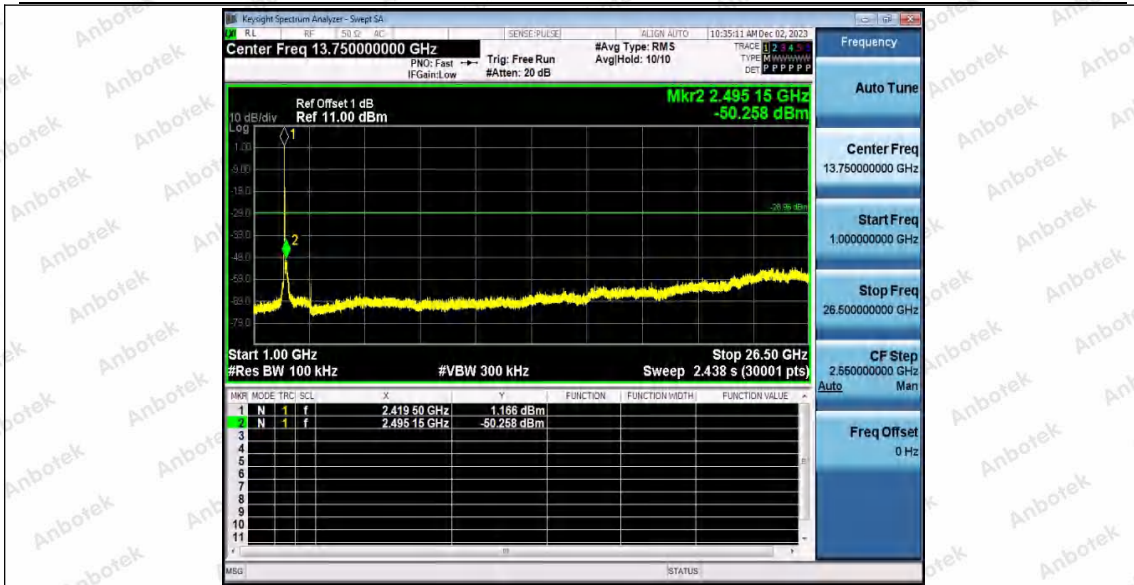
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11N20SISO\_Ant1\_2437\_0~Reference



11N20SISO\_Ant1\_2437\_30~1000

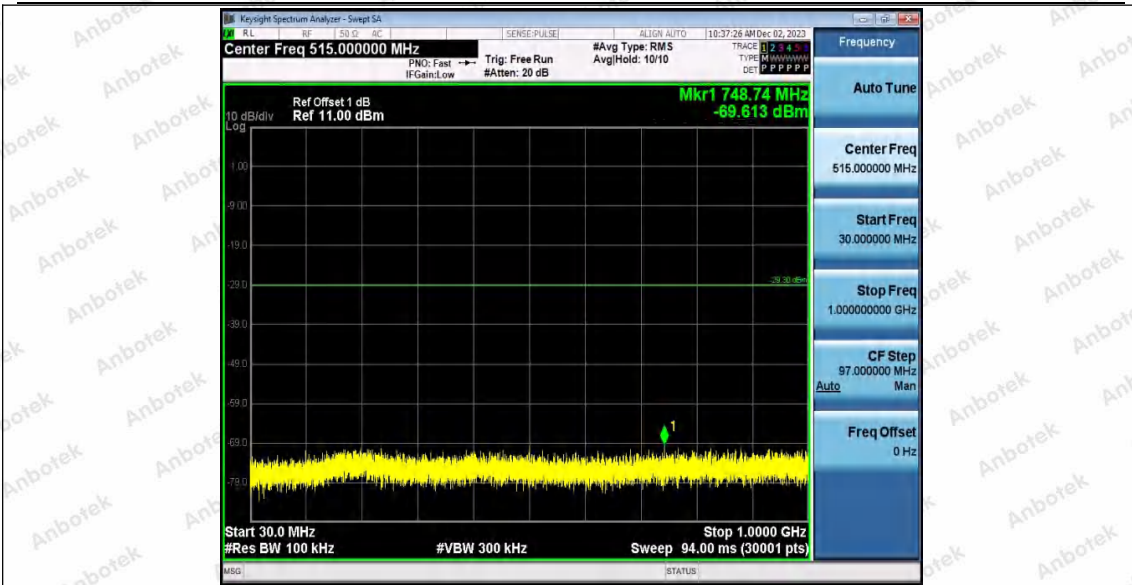
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

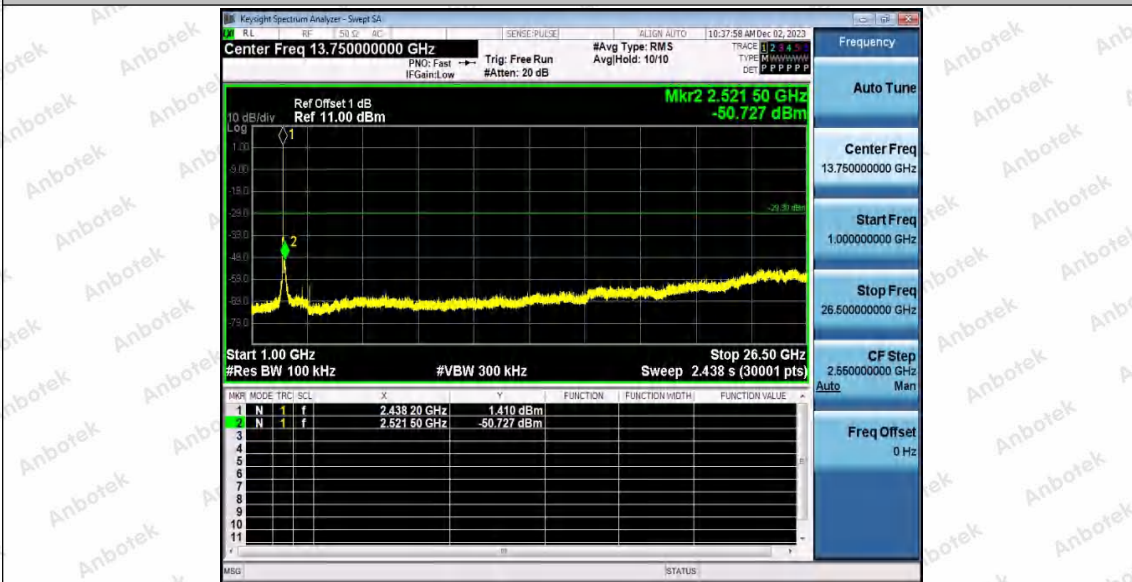


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11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference

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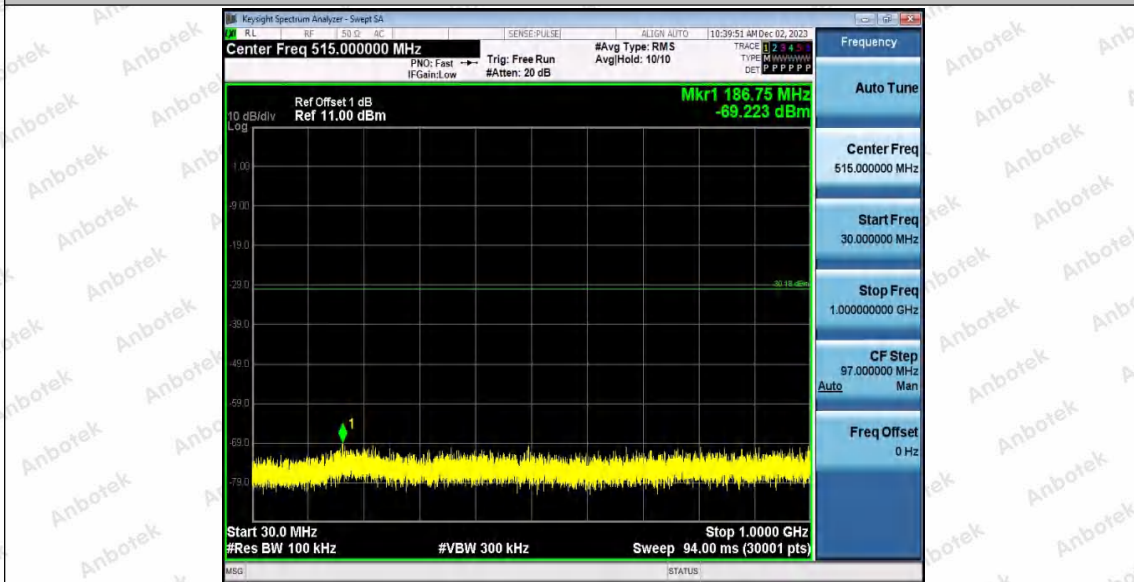
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11N20SISO\_Ant1\_2462\_30~1000



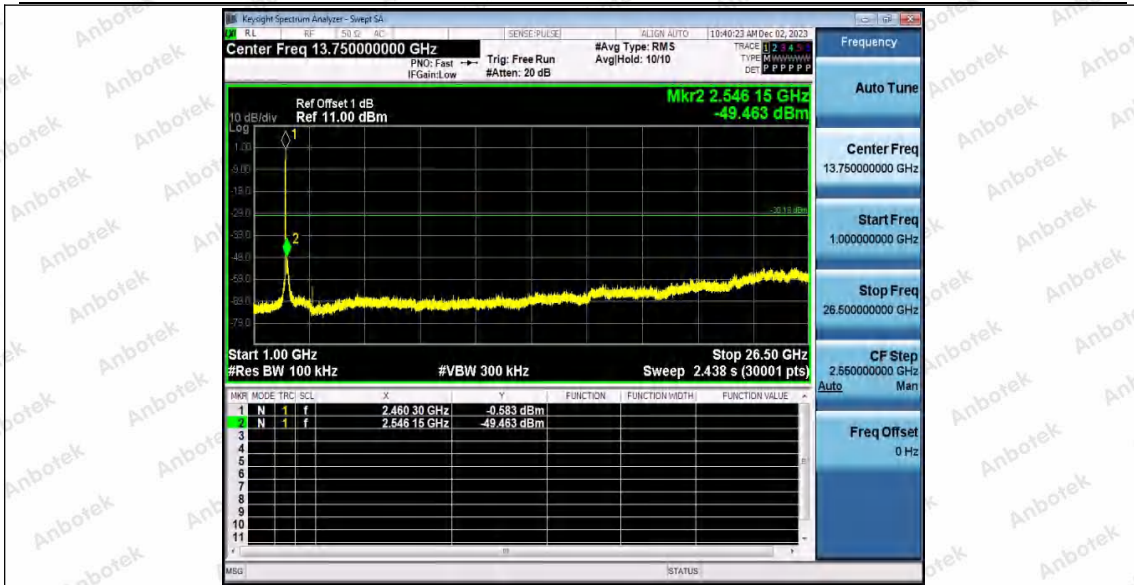
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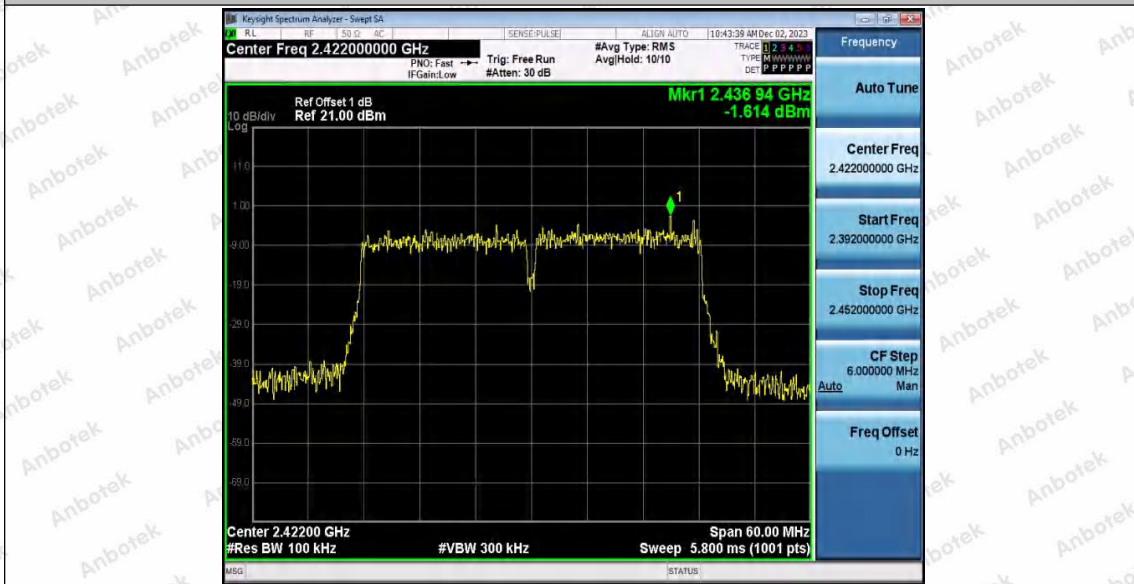
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2422\_0~Reference



11N40SISO\_Ant1\_2422\_30~1000

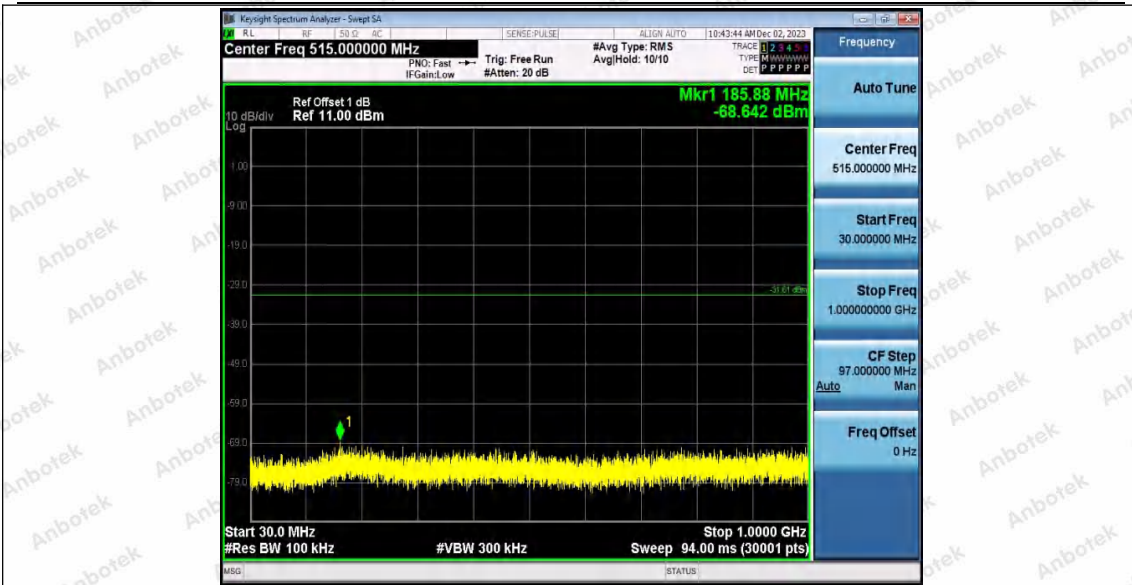
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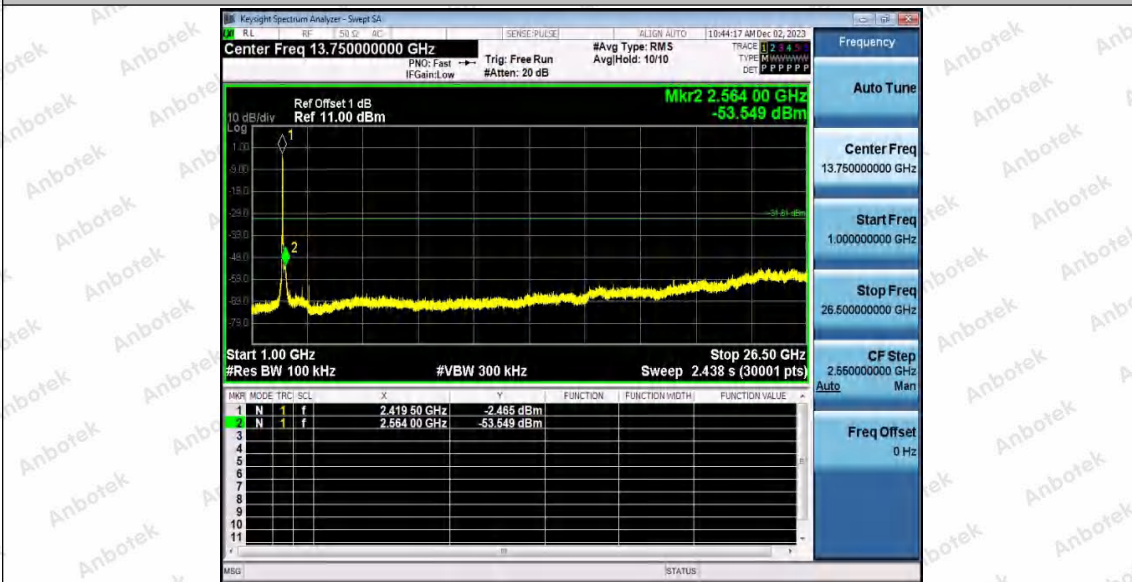
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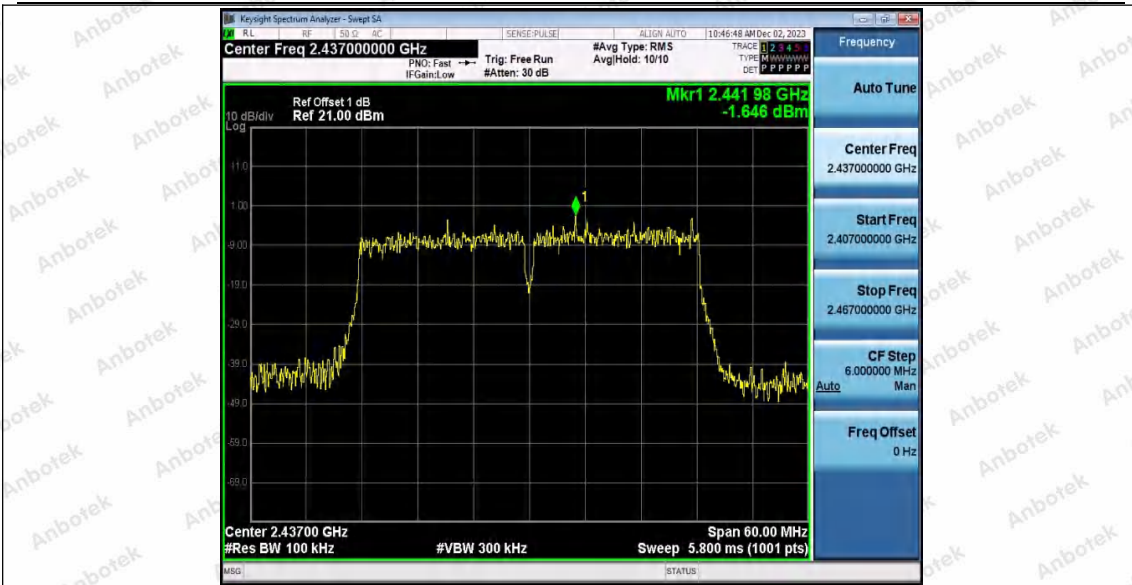
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## Shenzhen Anbotek Compliance Laboratory Limited

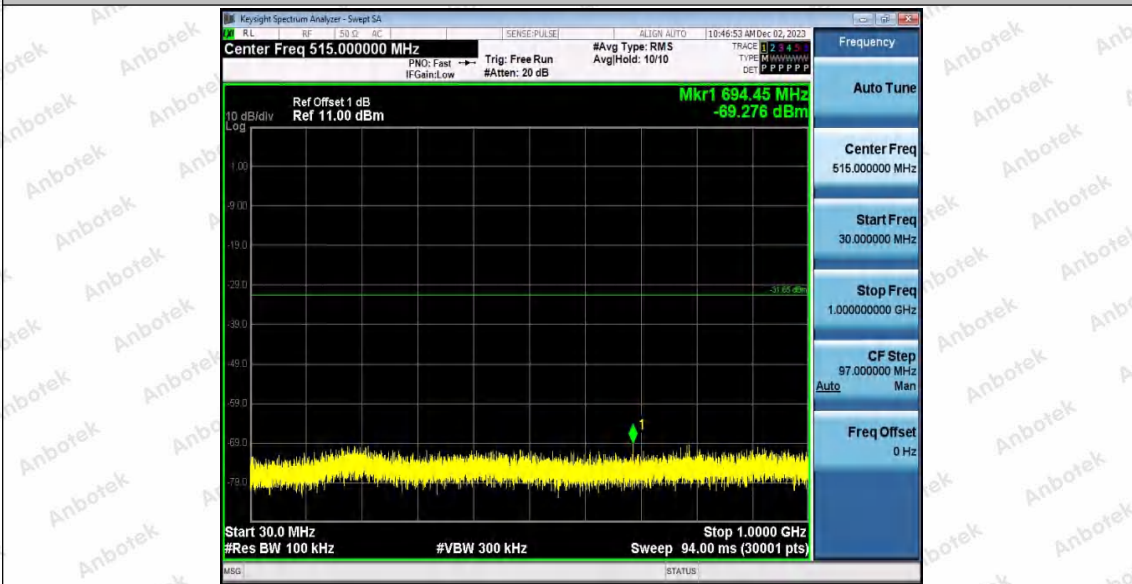
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2437\_30~1000



11N40SISO\_Ant1\_2437\_1000~26500

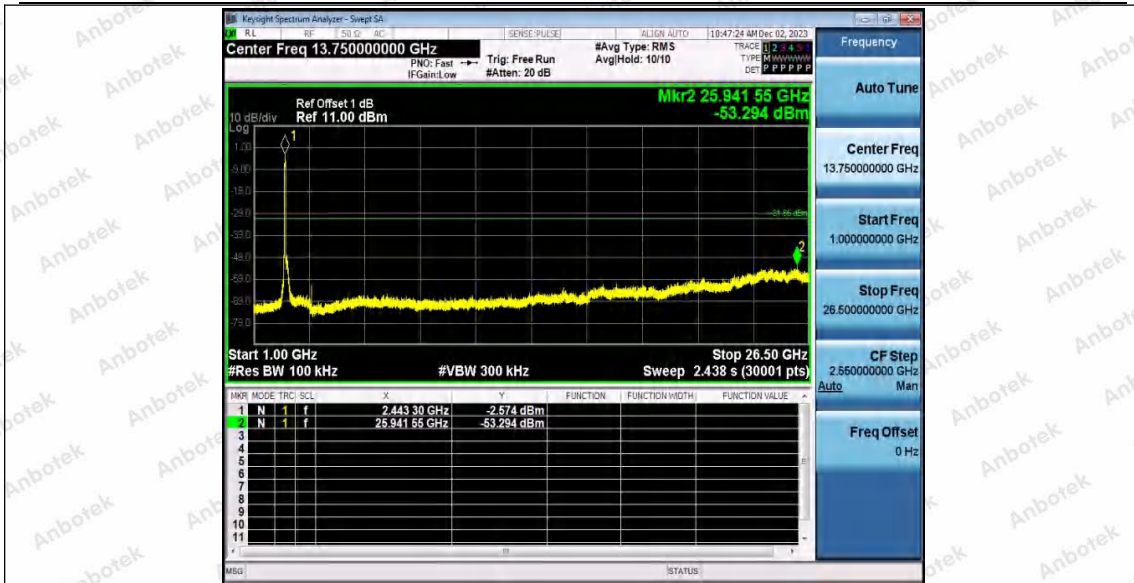
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11N40SISO\_Ant1\_2452\_0~Reference



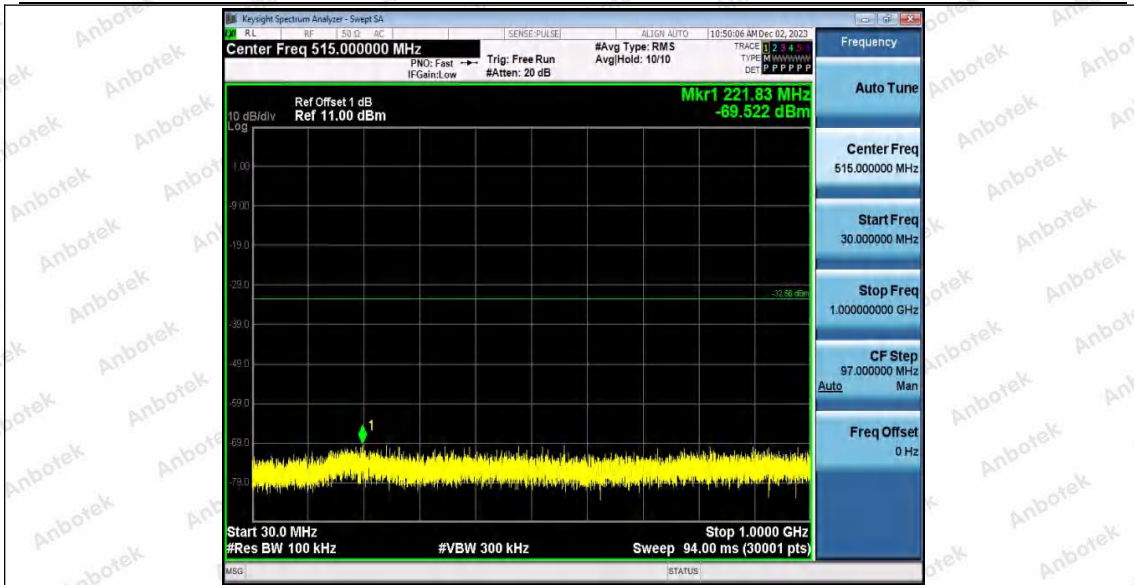
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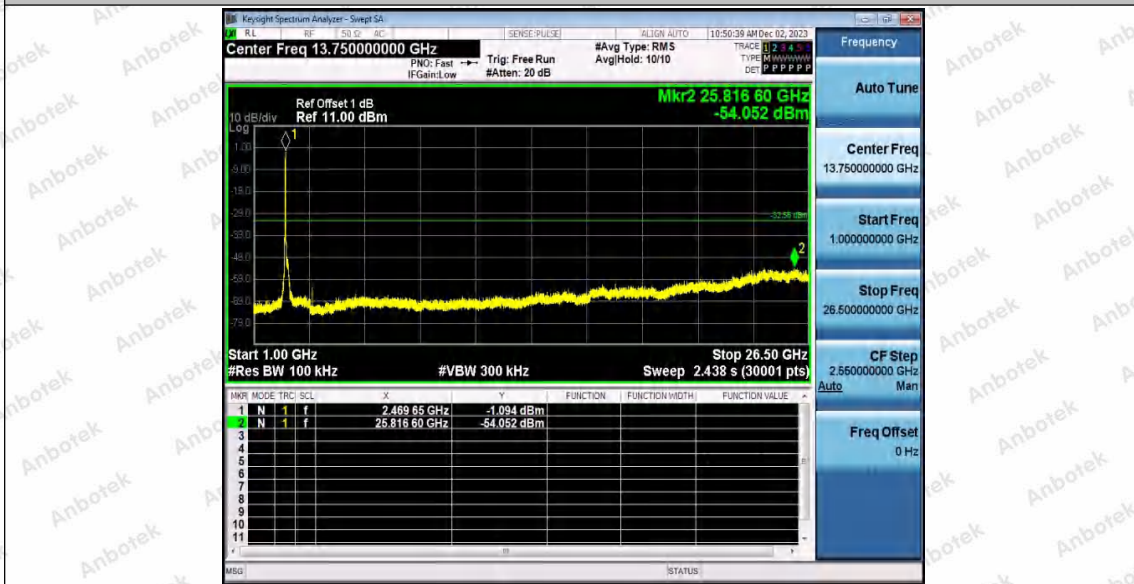
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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11N40SISO\_Ant1\_2452\_1000~26500



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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	12.41	12.72	97.56	0.11
		2437	12.41	12.70	97.72	0.10
		2462	12.41	12.71	97.64	0.10
11G	Ant1	2412	2.06	2.36	87.29	0.59
		2437	2.06	2.36	87.29	0.59
		2462	2.07	2.37	87.34	0.59
11N20SISO	Ant1	2412	1.92	2.22	86.49	0.63
		2437	1.92	2.22	86.49	0.63
		2462	1.92	2.22	86.49	0.63
11N40SISO	Ant1	2422	0.49	0.79	62.03	2.07
		2437	0.50	0.80	62.50	2.04
		2452	0.49	0.79	62.03	2.07

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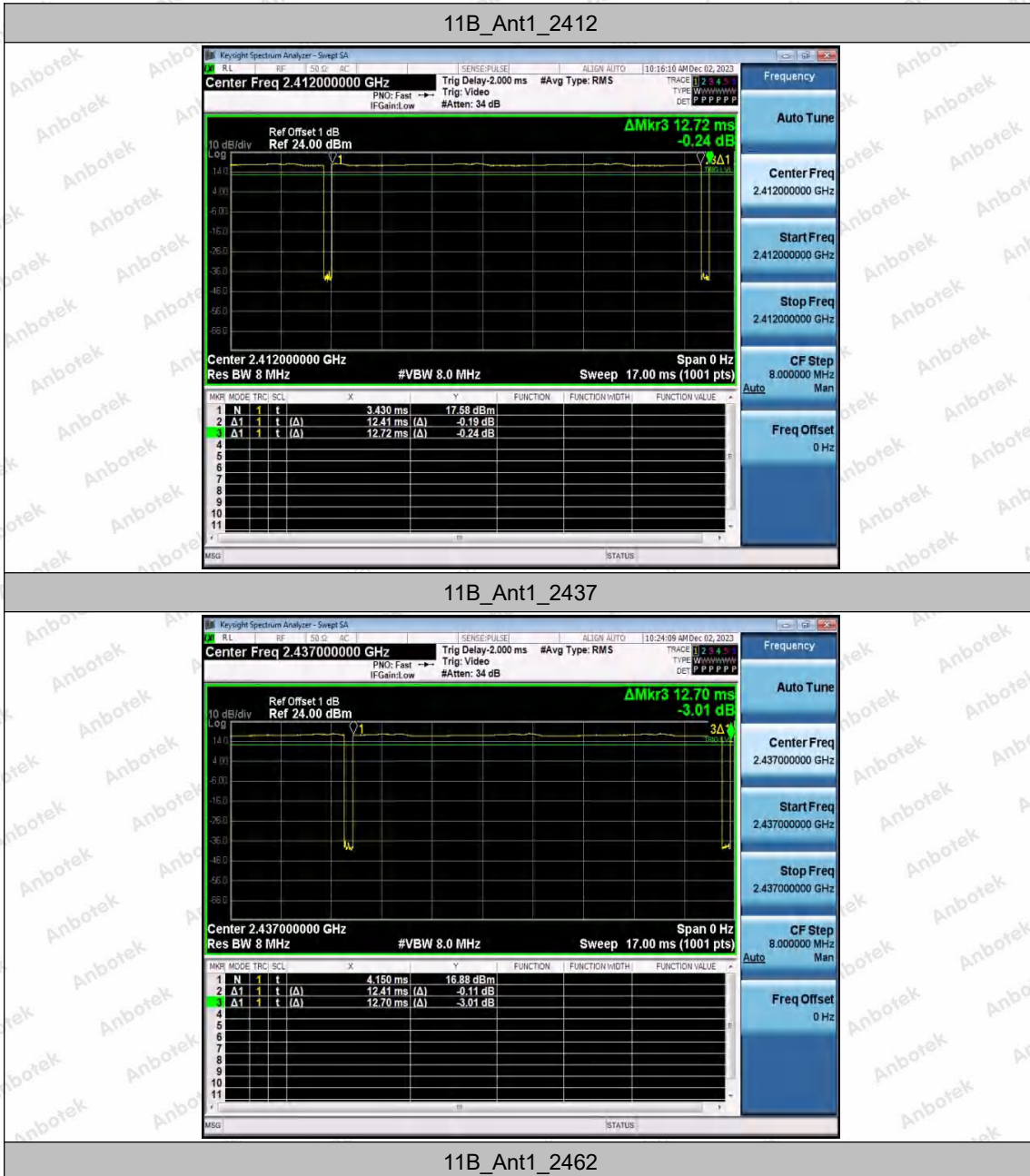
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



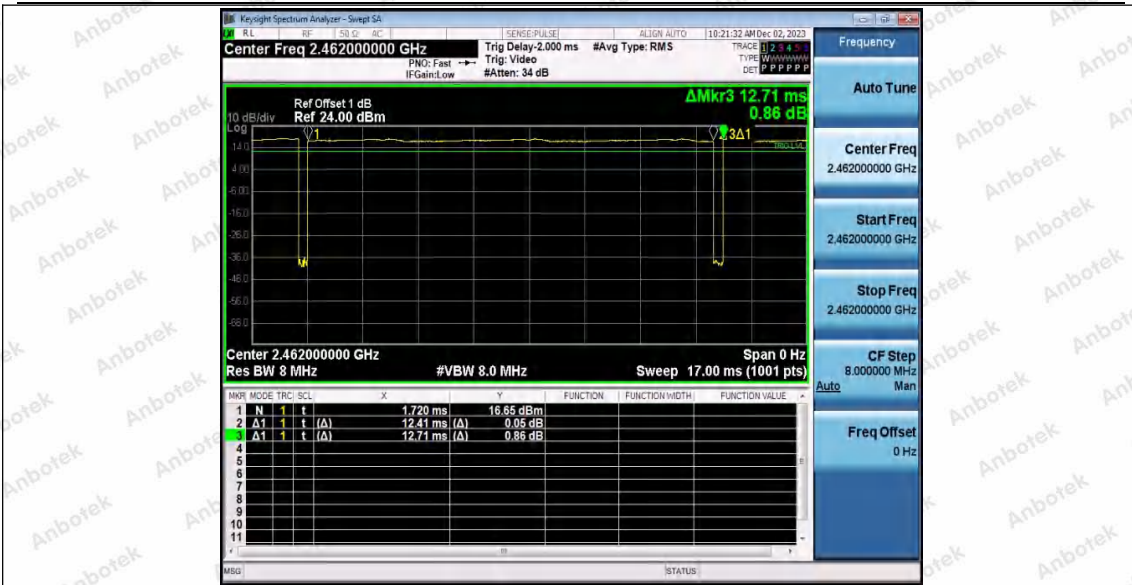
Hotline  
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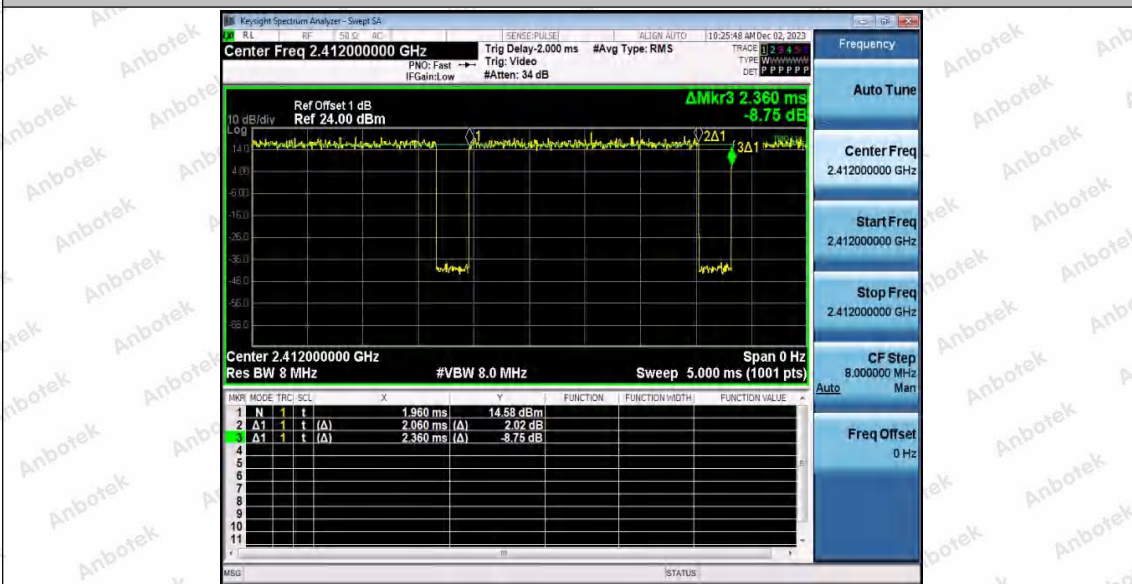
## Test Graphs







11G\_Ant1\_2412



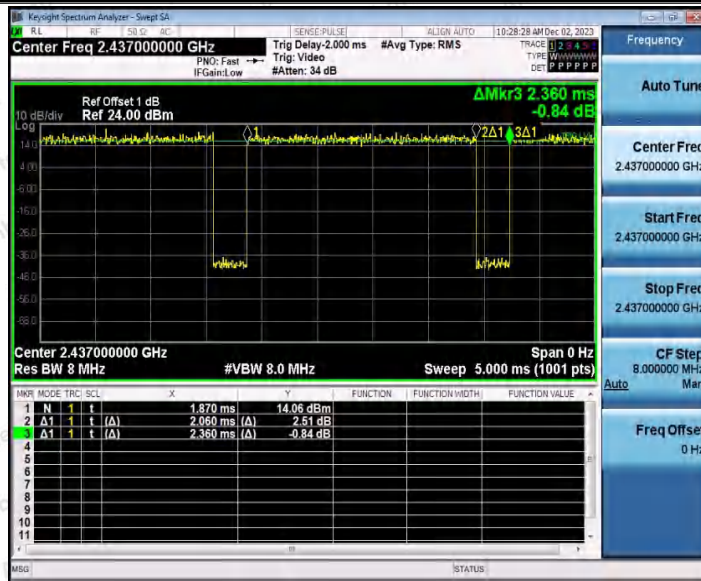
11G\_Ant1\_2437

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11G\_Ant1\_2462



11N20SISO\_Ant1\_2412

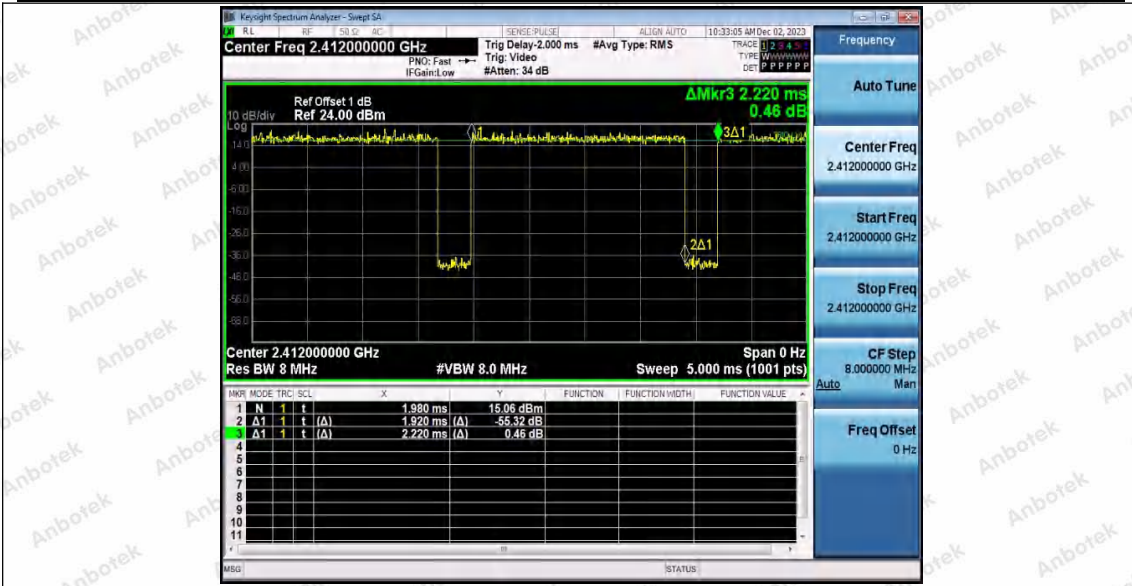
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

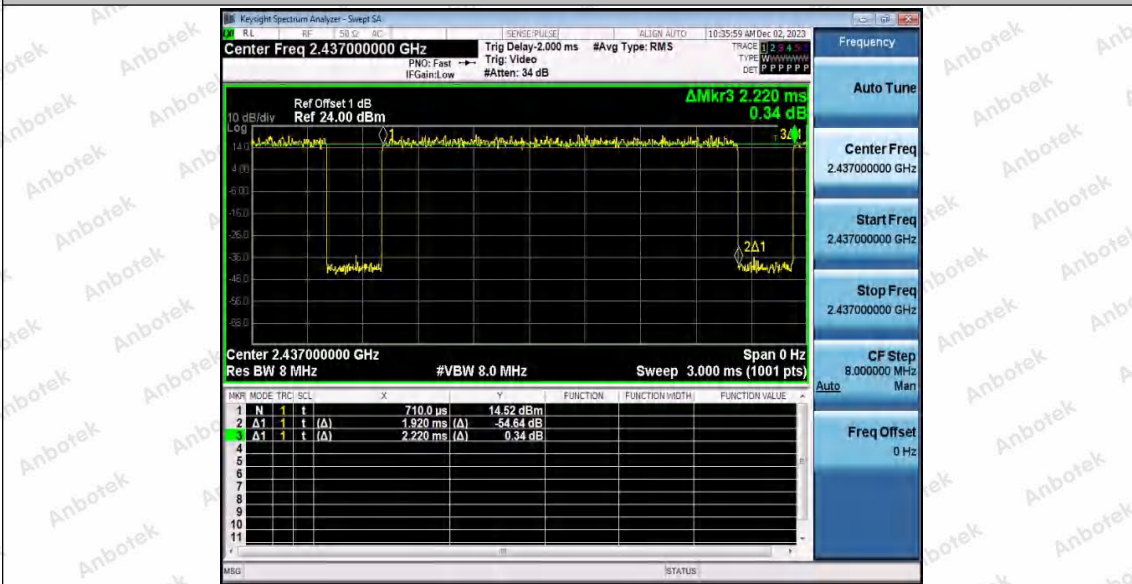
Hotline 400-003-0500  
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11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

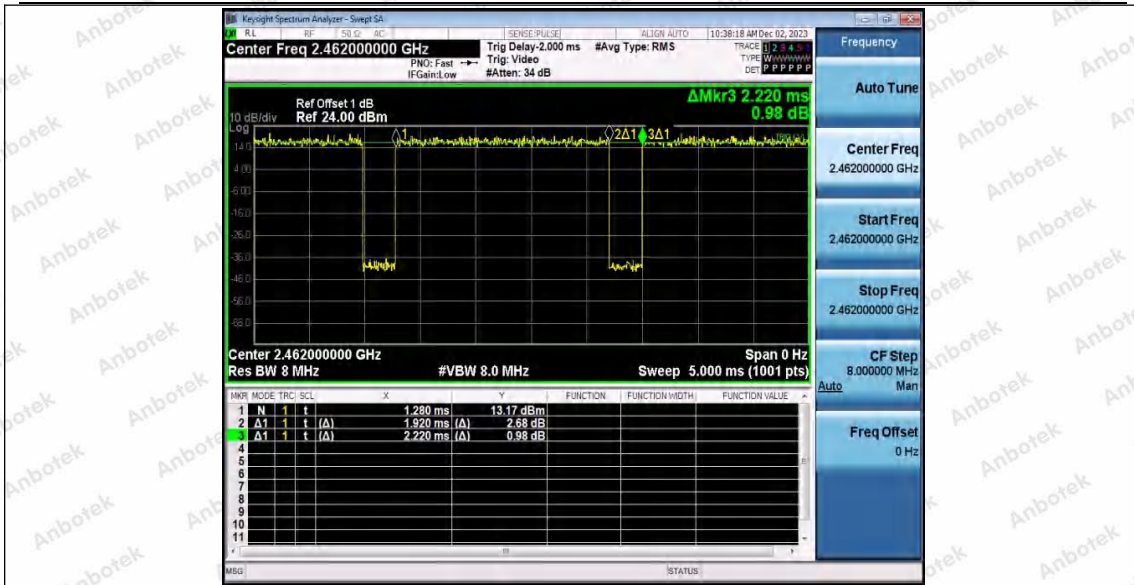
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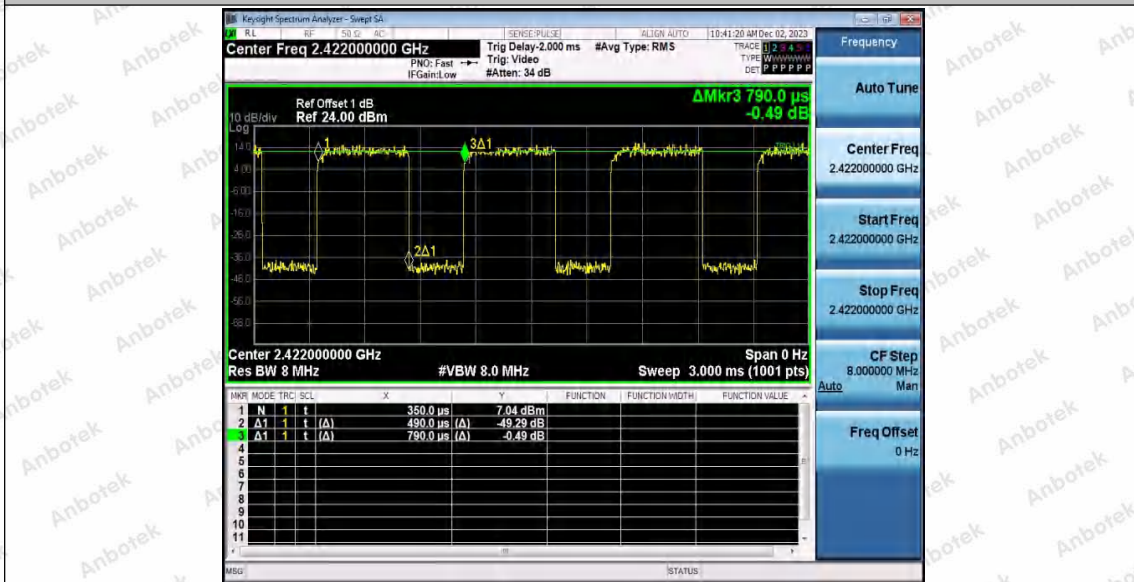


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11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437

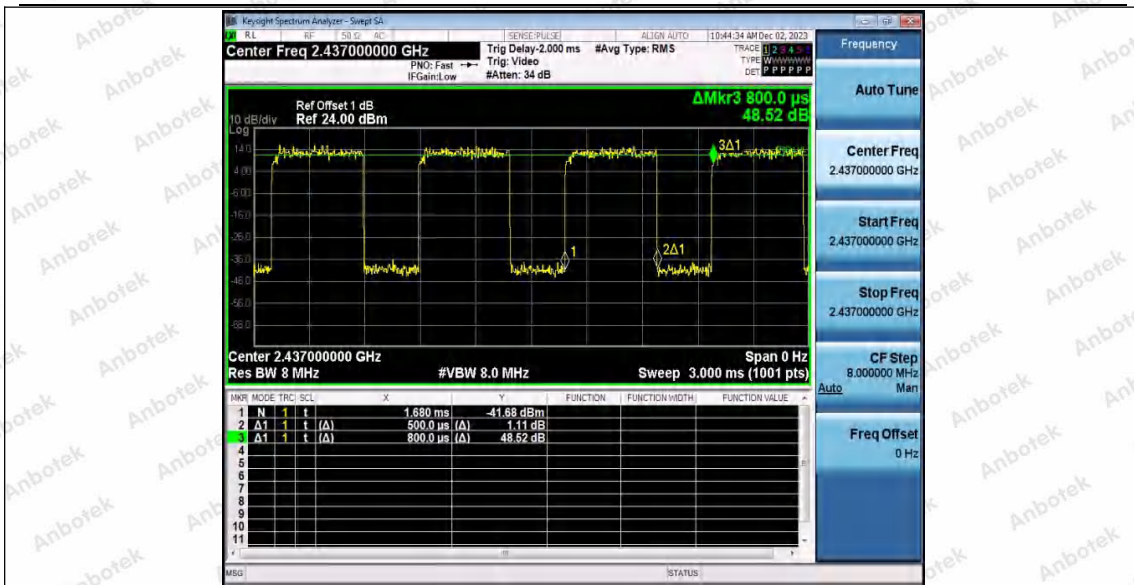
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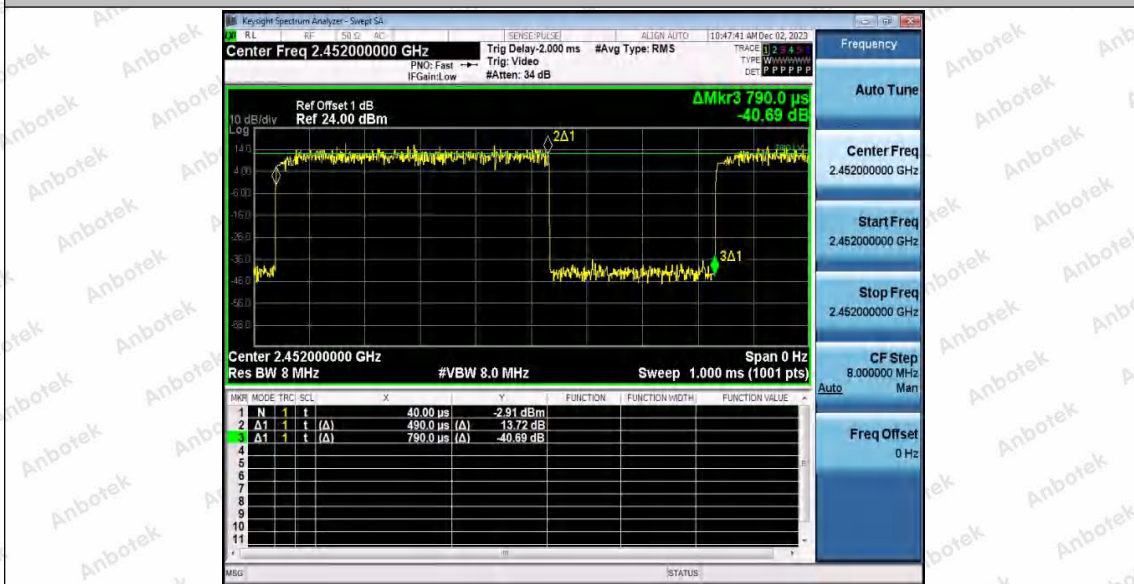
Hotline 400-003-0500  
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11N40SISO\_Ant1\_2452



---End---

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