

Appendix Test Data

Report No.:	18220WC10268601	Test Sample No.:	1-2-2
Start Test Date:	2021.12.8	Finish Test Date:	2021.12.10
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.400	2416.480	≥0.5	PASS
		2437	9.600	2431.920	2441.520	≥0.5	PASS
		2462	10.120	2456.920	2467.040	≥0.5	PASS
11G	Ant1	2412	16.520	2403.720	2420.240	≥0.5	PASS
		2437	16.480	2428.760	2445.240	≥0.5	PASS
		2462	16.160	2454.080	2470.240	≥0.5	PASS
11N20	Ant1	2412	17.640	2403.240	2420.880	≥0.5	PASS
		2437	17.760	2428.120	2445.880	≥0.5	PASS
		2462	17.600	2453.240	2470.840	≥0.5	PASS
11N40	Ant1	2422	36.000	2403.880	2439.880	≥0.5	PASS
		2437	36.480	2418.700	2455.180	≥0.5	PASS
		2452	36.180	2434.060	2470.240	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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.

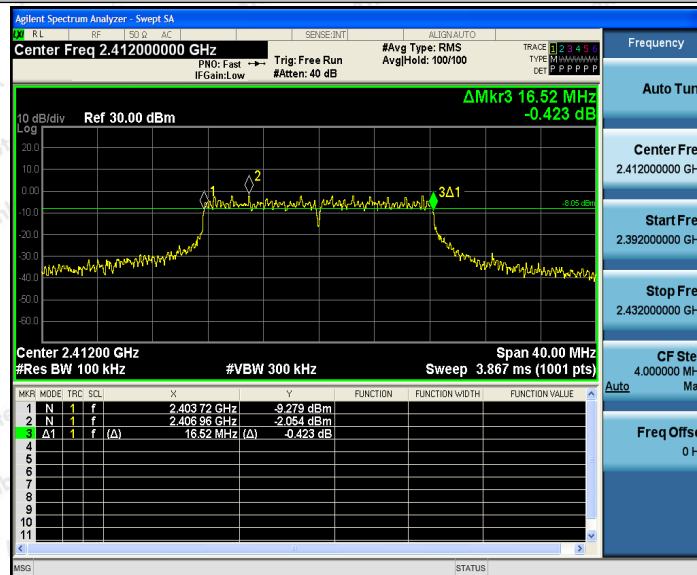
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



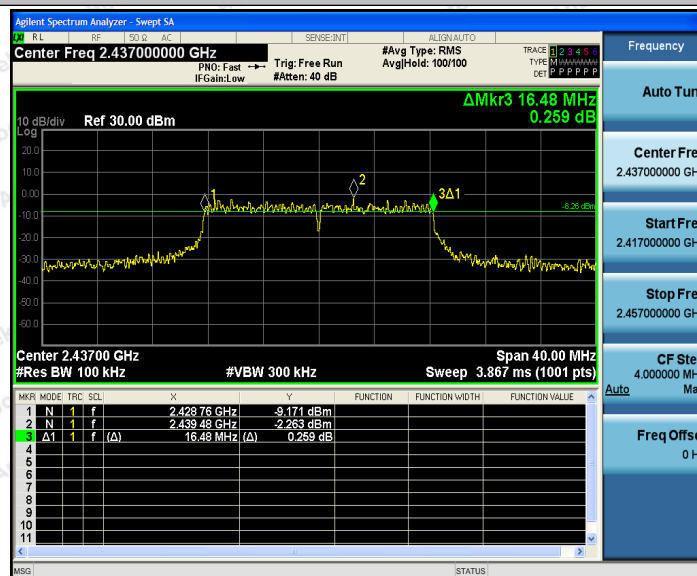
Hotline
400-003-0500
www.anbotek.com



11G_Ant1_2412



11G_Ant1_2437



Shenzhen Anbotech Compliance Laboratory Limited

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

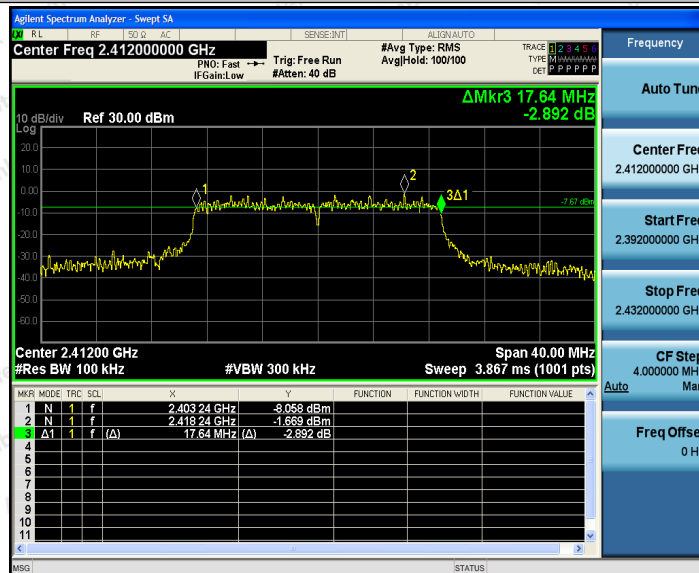
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

11G_Ant1_2462



11N20_Ant1_2412



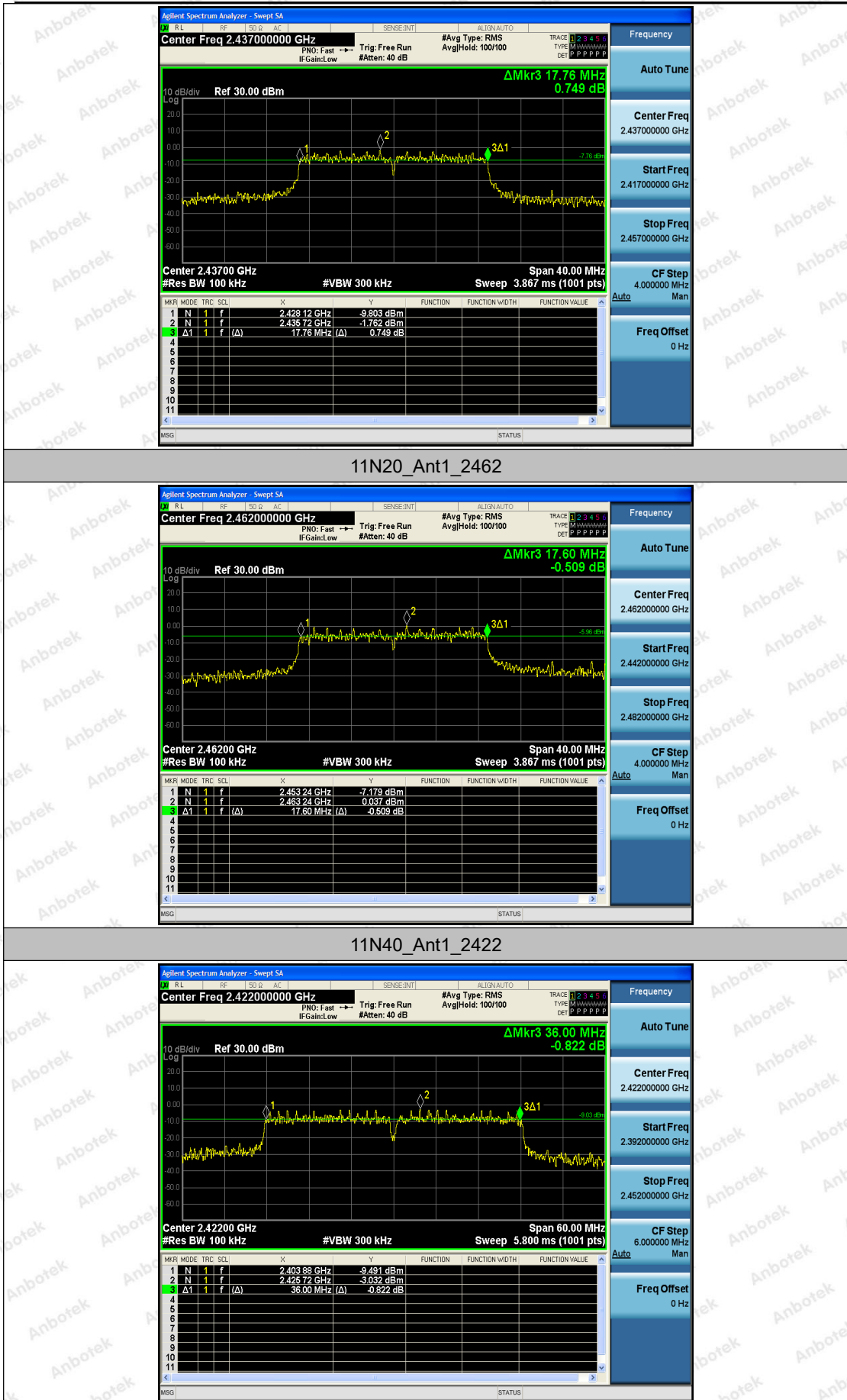
11N20_Ant1_2437

Shenzhen Anbotech 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) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

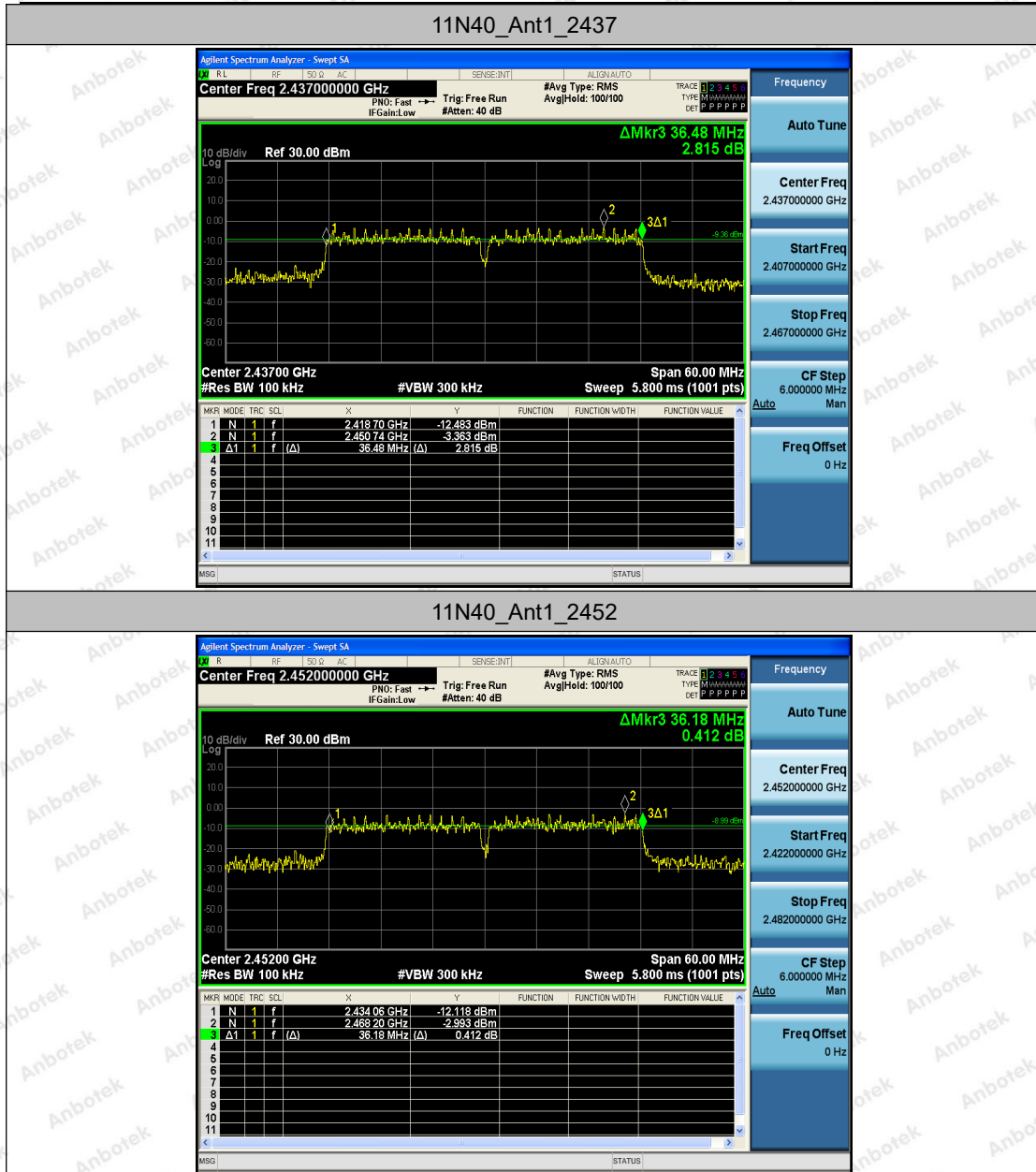


Shenzhen Anbotech Compliance Laboratory Limited

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com



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) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

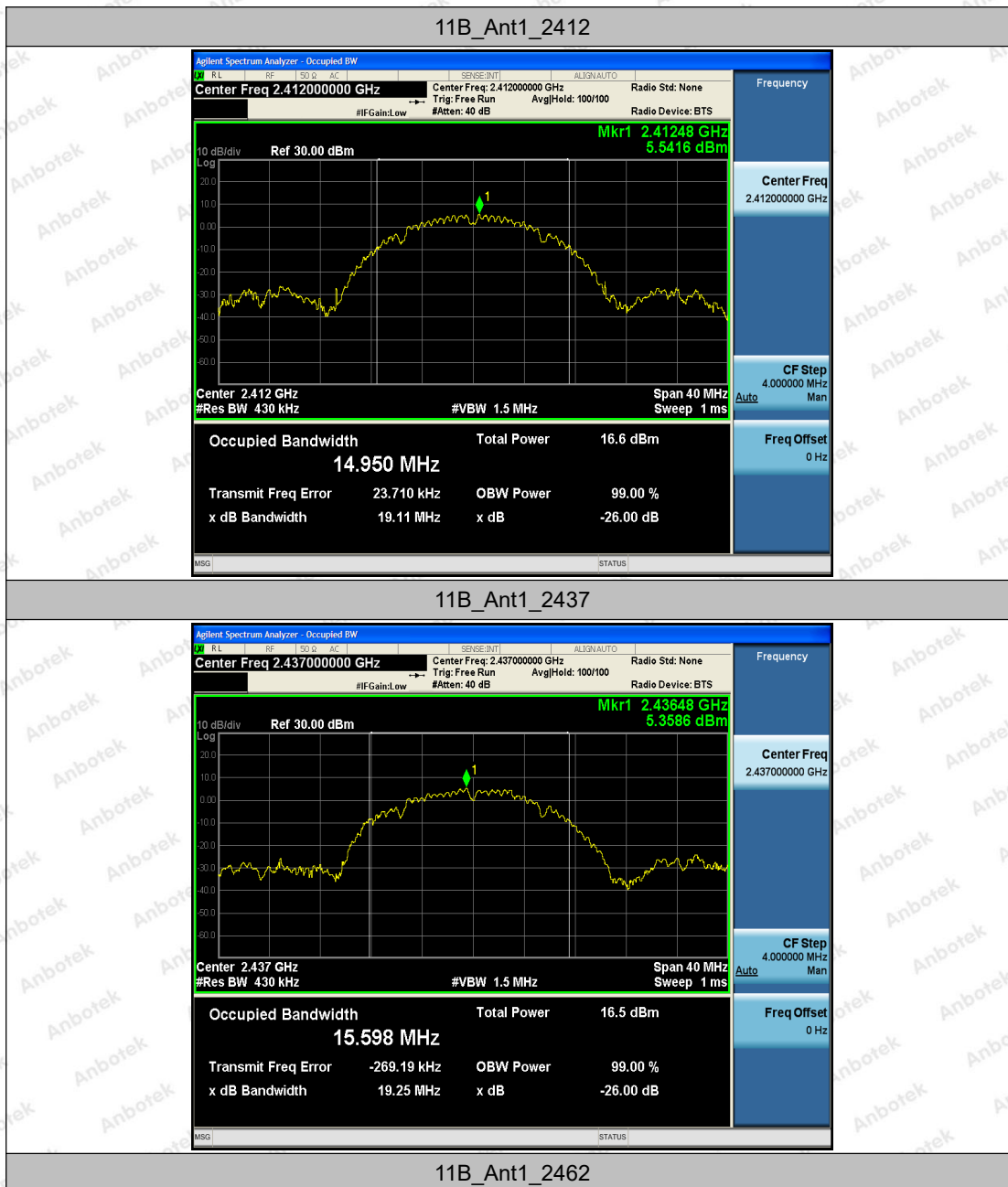
Hotline
400-003-0500
www.anbotek.com

Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.950	2404.549	2419.499	---	PASS
		2437	15.598	2428.932	2444.530	---	PASS
		2462	16.651	2453.933	2470.584	---	PASS
11G	Ant1	2412	16.917	2403.574	2420.491	---	PASS
		2437	17.204	2428.367	2445.571	---	PASS
		2462	18.833	2453.388	2472.221	---	PASS
11N20	Ant1	2412	18.105	2402.954	2421.059	---	PASS
		2437	18.373	2427.832	2446.205	---	PASS
		2462	19.160	2452.829	2471.989	---	PASS
11N40	Ant1	2422	36.659	2403.524	2440.183	---	PASS
		2437	37.073	2418.197	2455.270	---	PASS
		2452	37.825	2433.269	2471.094	---	PASS

Test Graphs



Shenzhen Anbotech Compliance Laboratory Limited

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

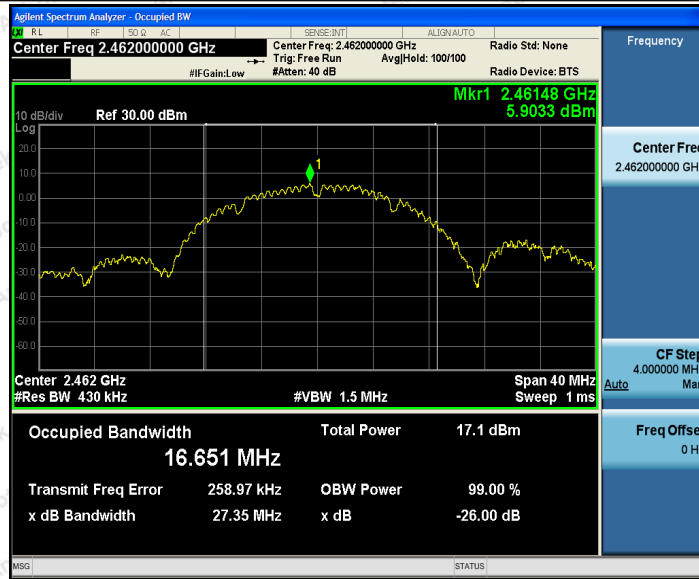
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com



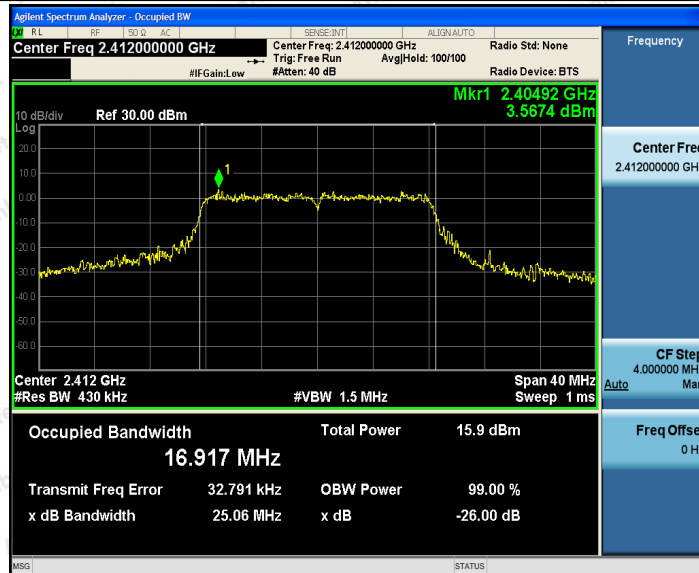
Hotline

400-003-0500

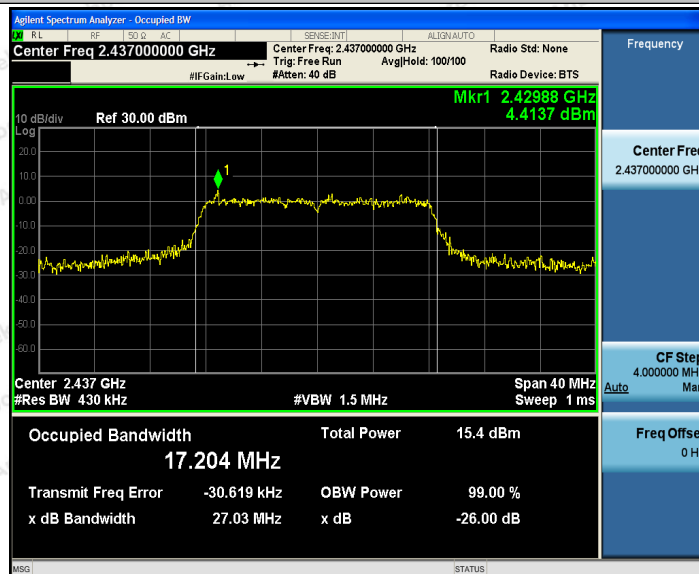
www.anbotech.com



11G_Ant1_2412



11G_Ant1_2437



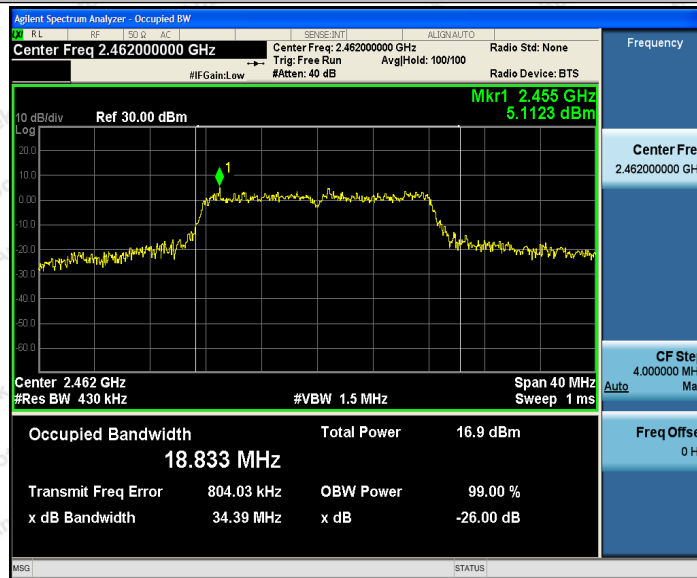
Shenzhen Anbotek Compliance Laboratory Limited

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

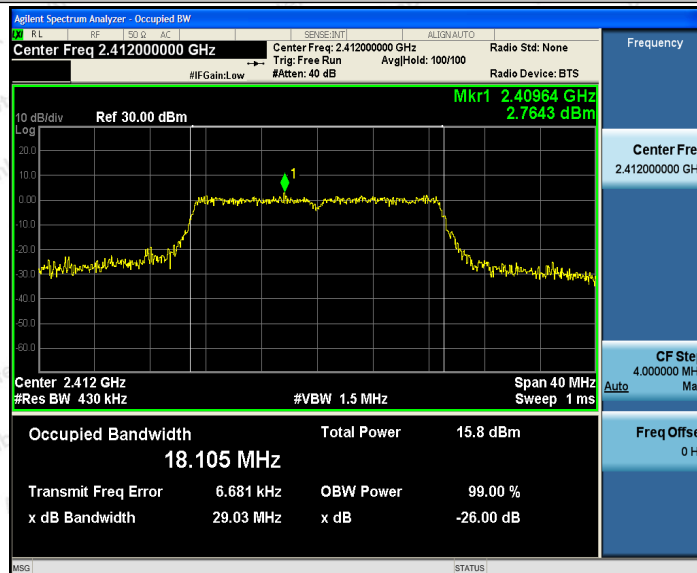
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

11G_Ant1_2462



11N20_Ant1_2412



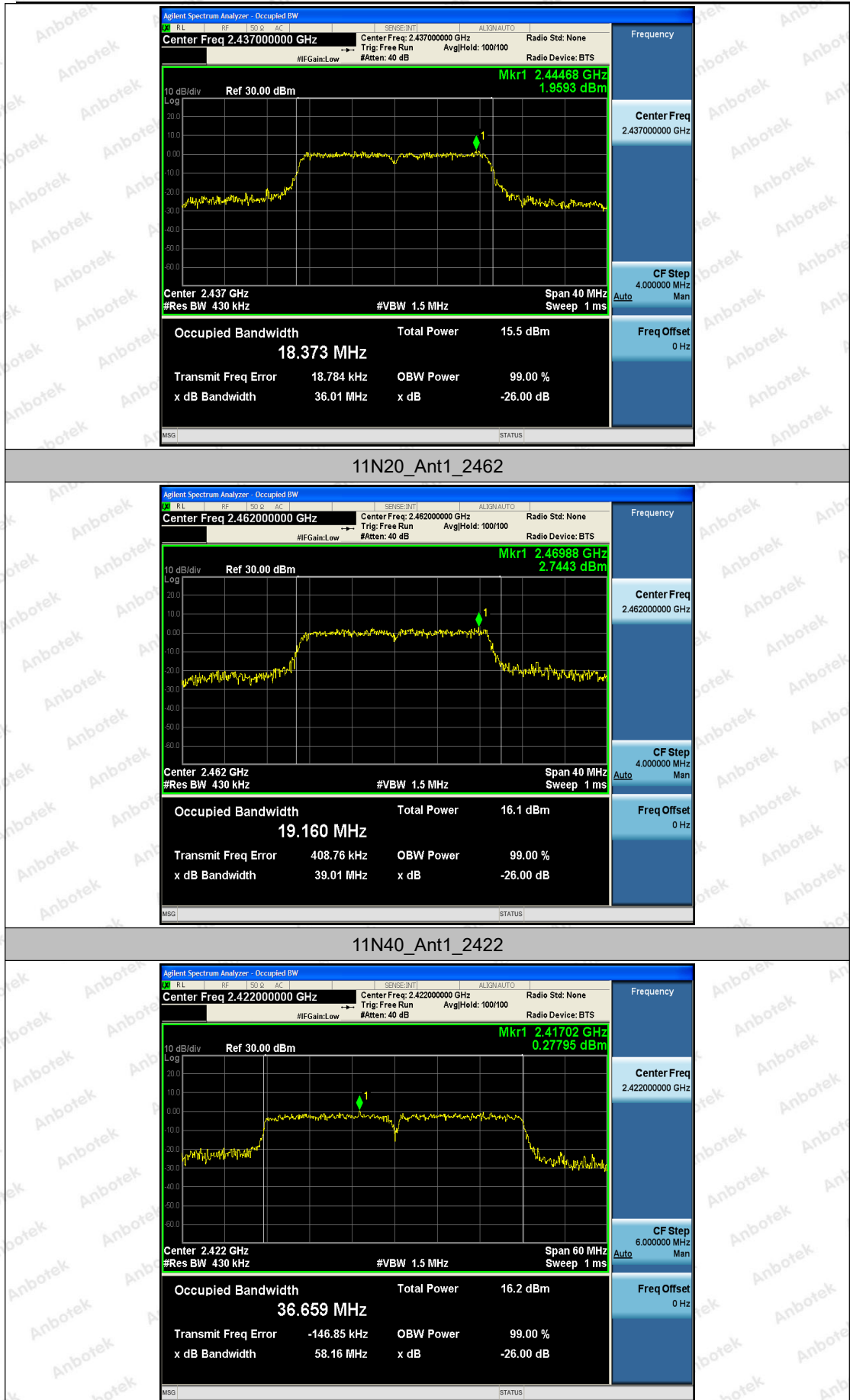
11N20_Ant1_2437

Shenzhen Anbotech 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) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com



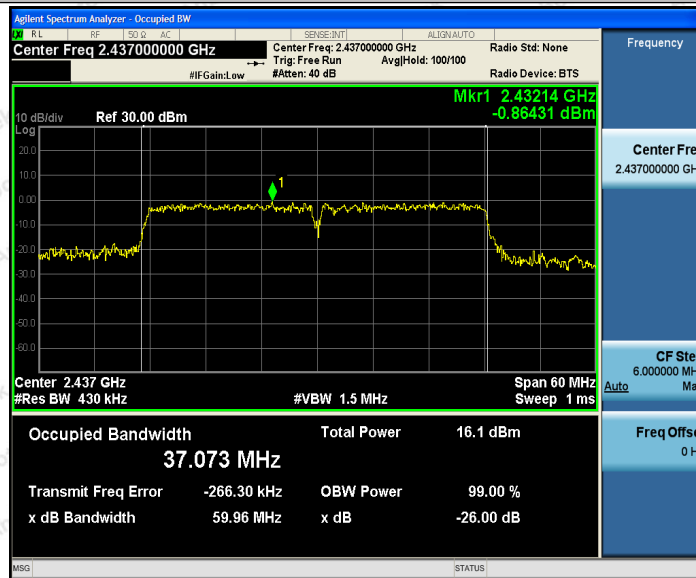
Shenzhen Anbotech Compliance Laboratory Limited

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

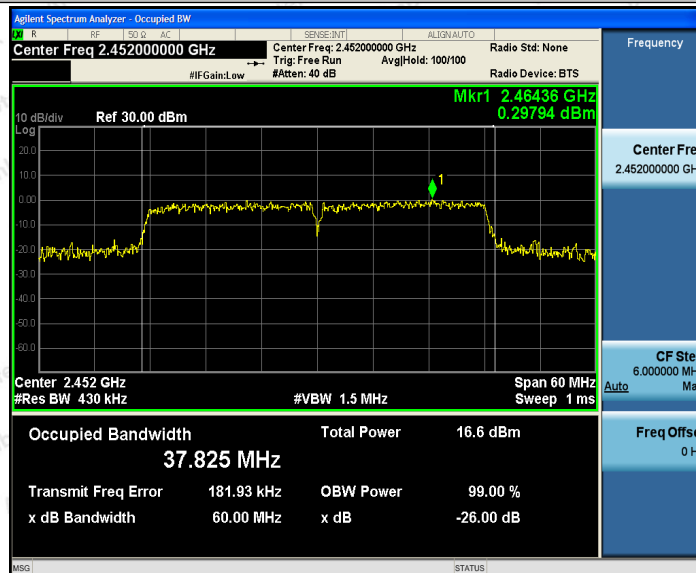
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

11N40_Ant1_2437



11N40_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

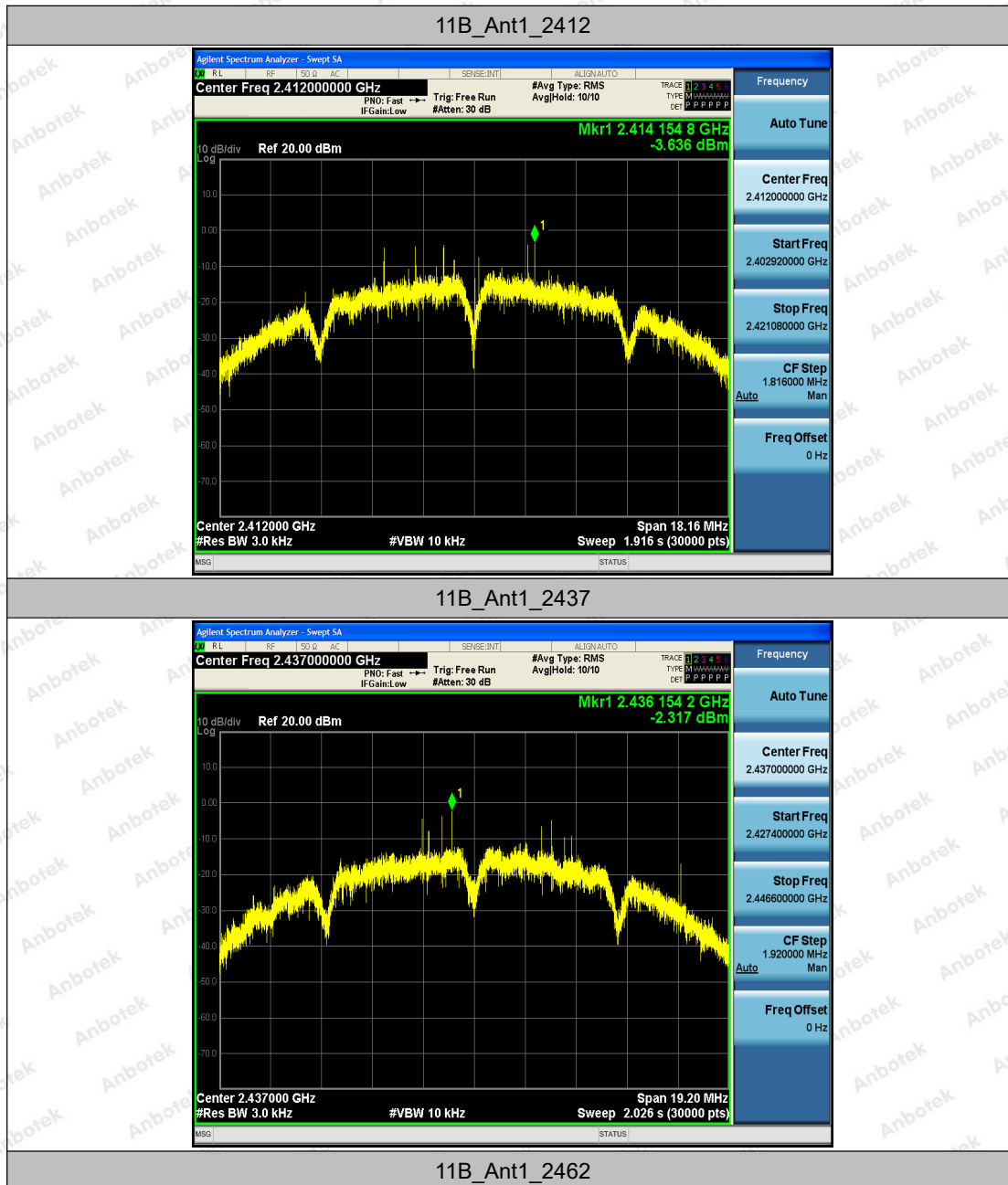
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.58	≤30	PASS
		2437	16.27	≤30	PASS
		2462	17.23	≤30	PASS
11G	Ant1	2412	16.68	≤30	PASS
		2437	16.43	≤30	PASS
		2462	17.62	≤30	PASS
11N20	Ant1	2412	16.61	≤30	PASS
		2437	16.31	≤30	PASS
		2462	17.25	≤30	PASS
11N40	Ant1	2422	15.58	≤30	PASS
		2437	15.04	≤30	PASS
		2452	15.34	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-3.64	≤8	PASS
		2437	-2.32	≤8	PASS
		2462	-6.05	≤8	PASS
11G	Ant1	2412	-17.42	≤8	PASS
		2437	-18.08	≤8	PASS
		2462	-16.16	≤8	PASS
11N20	Ant1	2412	-16.89	≤8	PASS
		2437	-17.35	≤8	PASS
		2462	-15.4	≤8	PASS
11N40	Ant1	2422	-18.98	≤8	PASS
		2437	-18.7	≤8	PASS
		2452	-18.65	≤8	PASS

Test Graphs

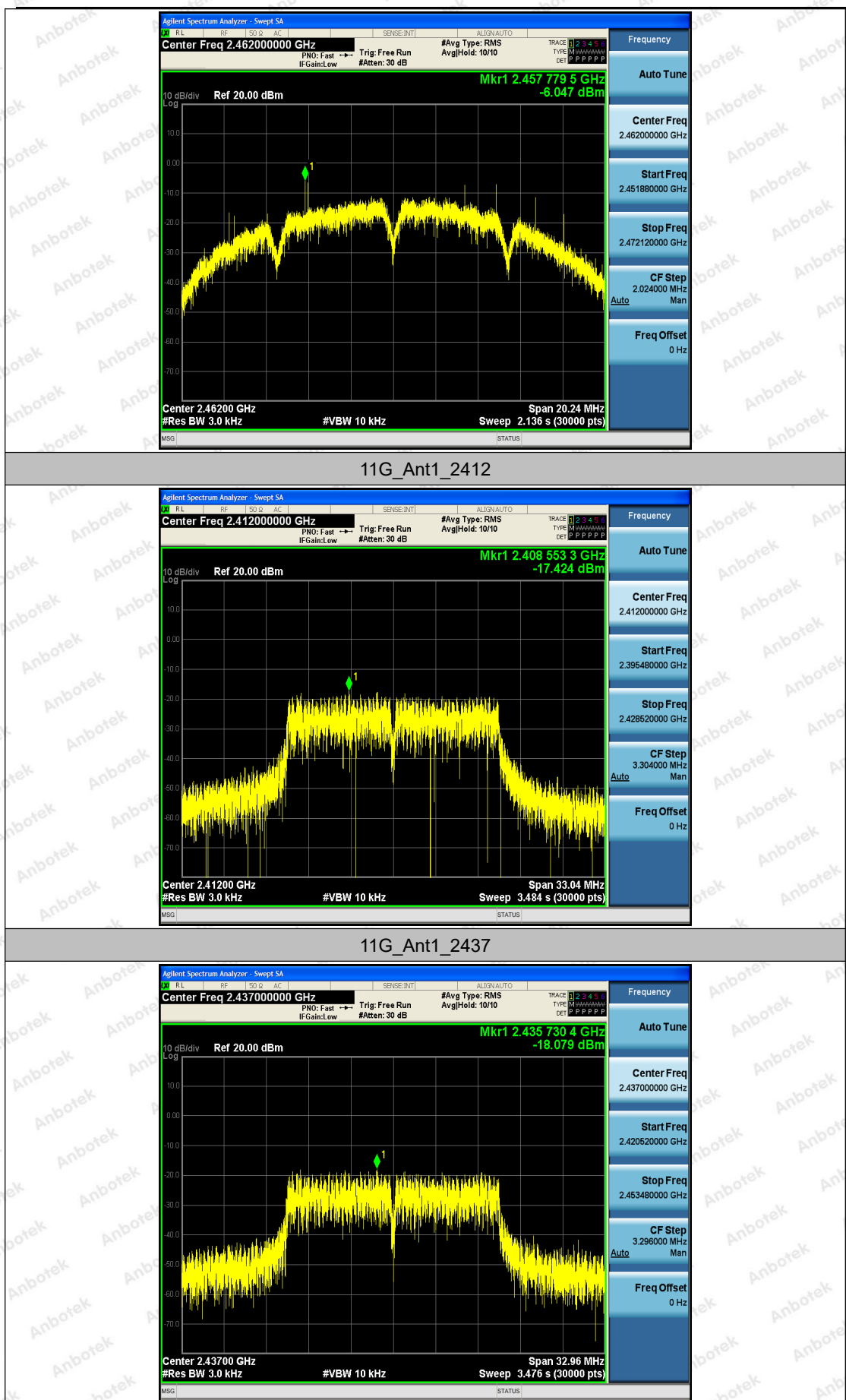


Shenzhen Anbotech Compliance Laboratory Limited

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com



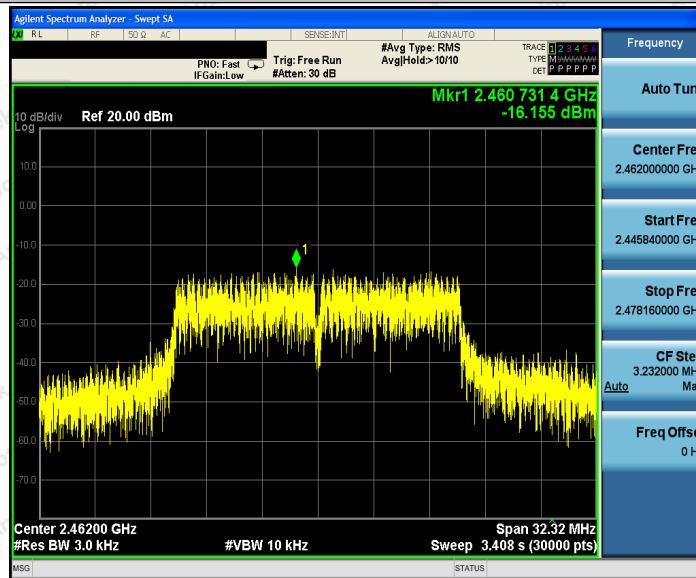
Shenzhen Anbotech Compliance Laboratory Limited

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

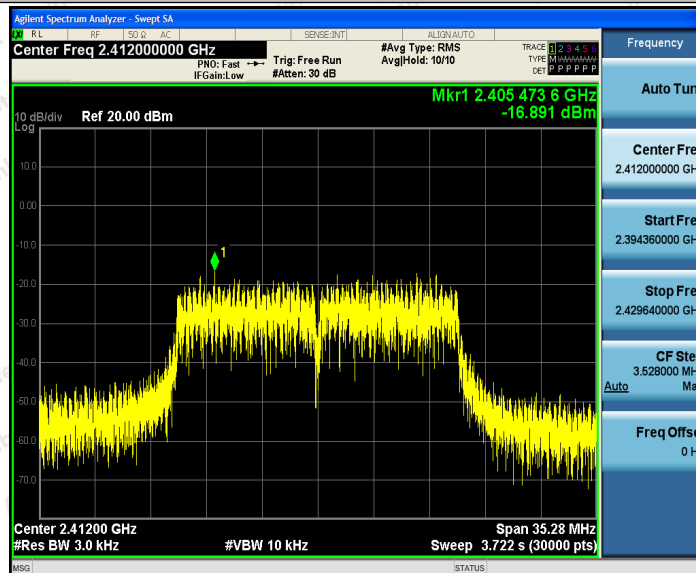
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

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.

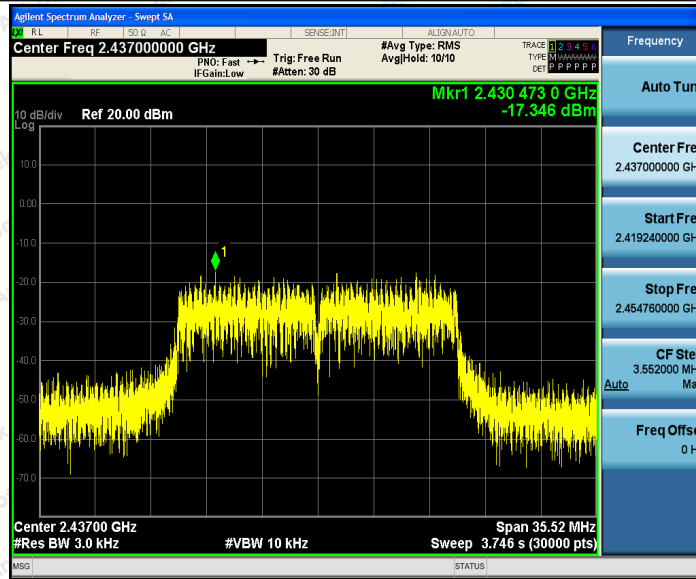
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



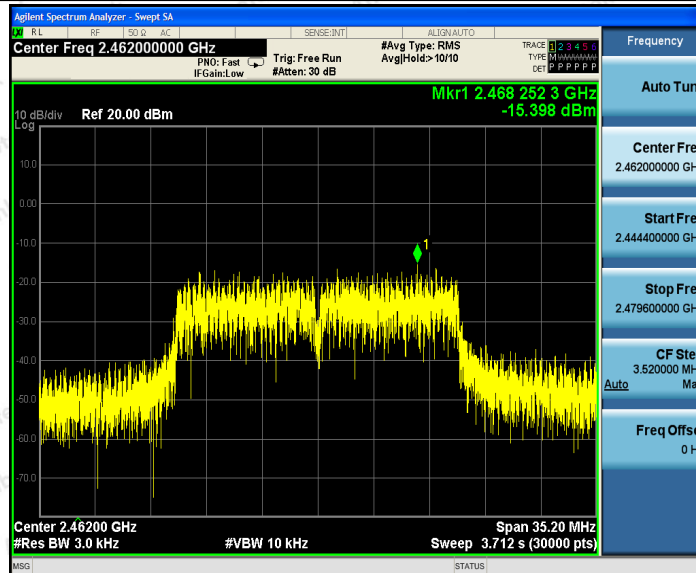
Hotline

400-003-0500

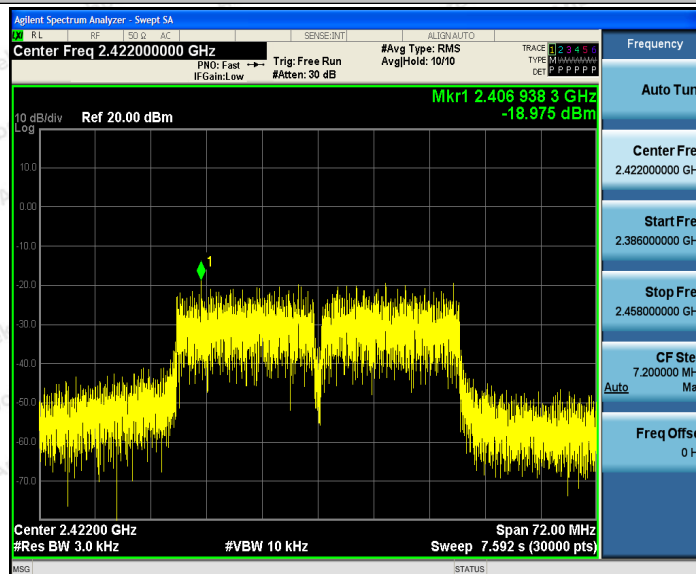
www.anbotek.com



11N20_Ant1_2462



11N40_Ant1_2422

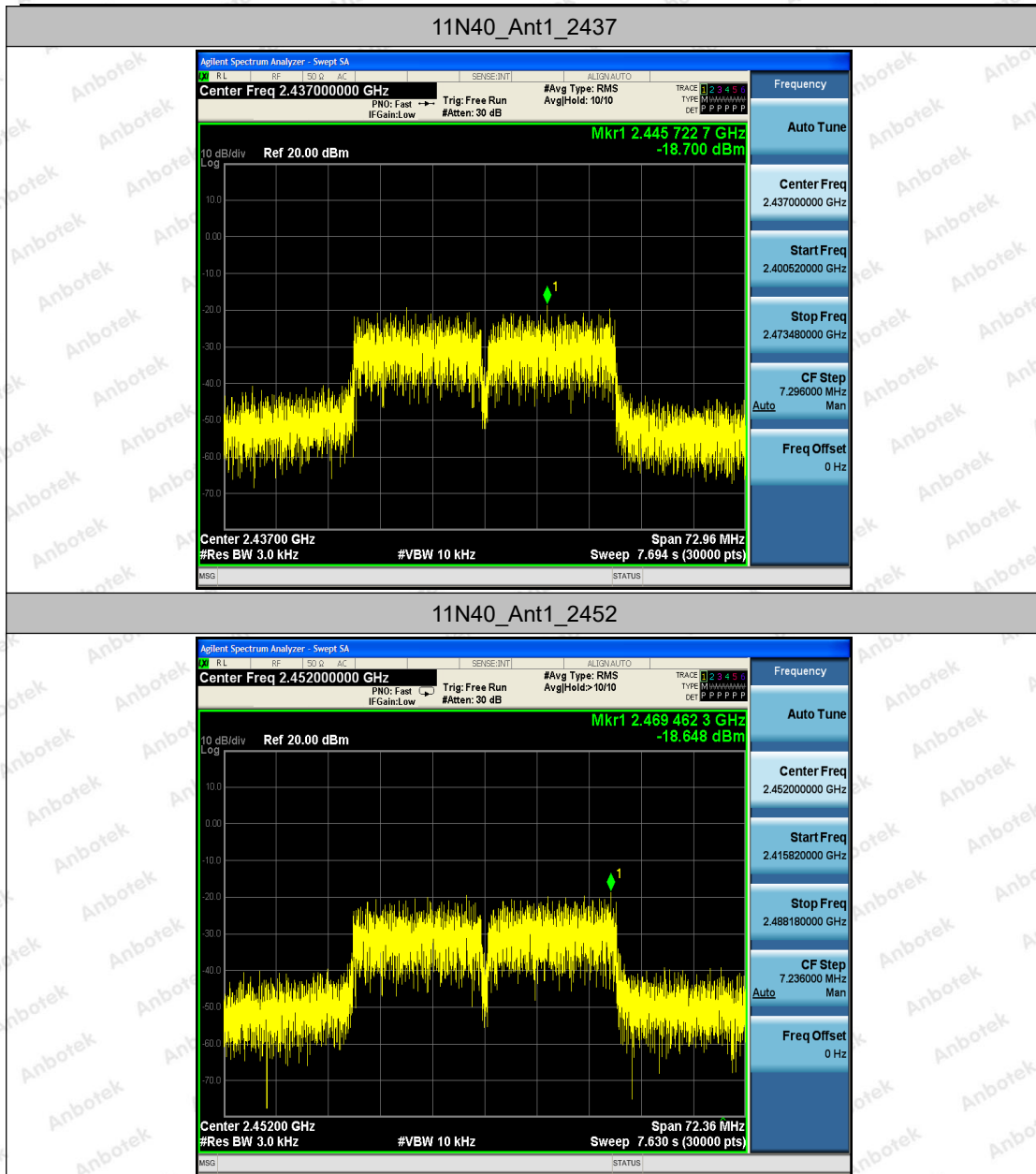


Shenzhen Anbotech Compliance Laboratory Limited

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com



Shenzhen Anbotech 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) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

 Hotline
400-003-0500
www.anbotech.com

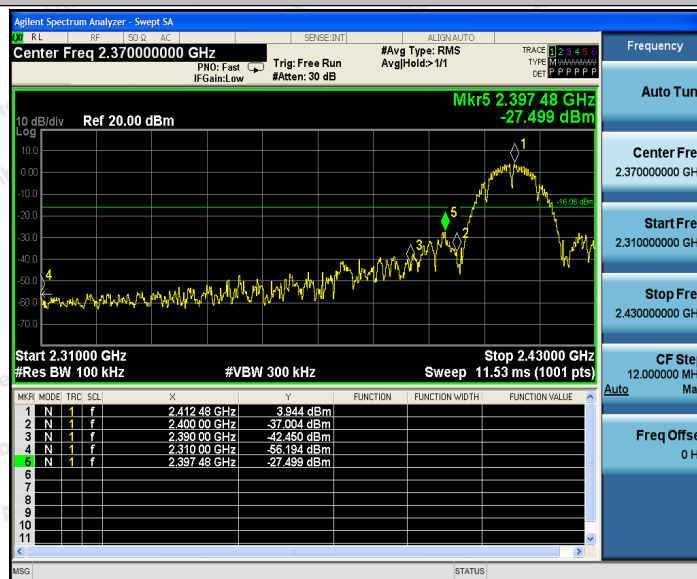
Appendix E: Band edge measurements

Test Result

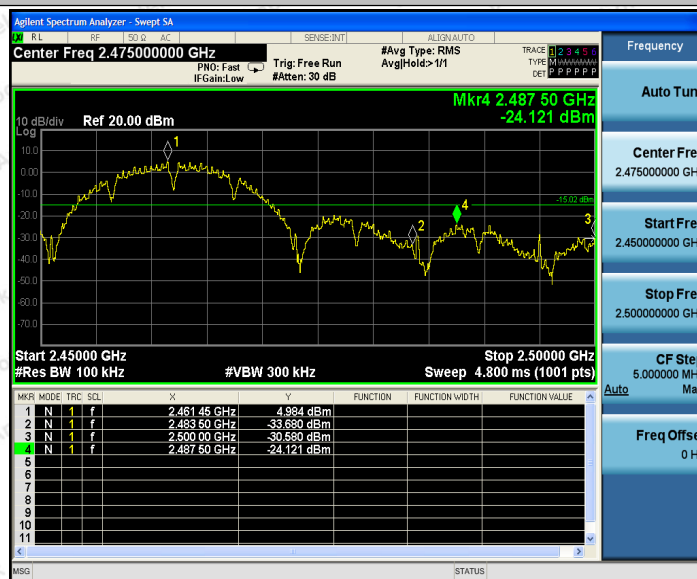
Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.94	-27.5	≤-16.06	PASS
		High	2462	4.98	-24.51	≤-15.02	PASS
11G	Ant1	Low	2412	-2.73	-40.13	≤-26.77	PASS
		High	2462	1.76	-25.97	≤-18.25	PASS
11N20	Ant1	Low	2412	-1.36	-27.2	≤-21.36	PASS
		High	2462	0.14	-26.15	≤-19.86	PASS
11N40	Ant1	Low	2422	-5.58	-54.21	≤-28.23	PASS
		High	2452	-8.80	-35.87	≤-28.8	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

Shenzhen Anbotech Compliance Laboratory Limited

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

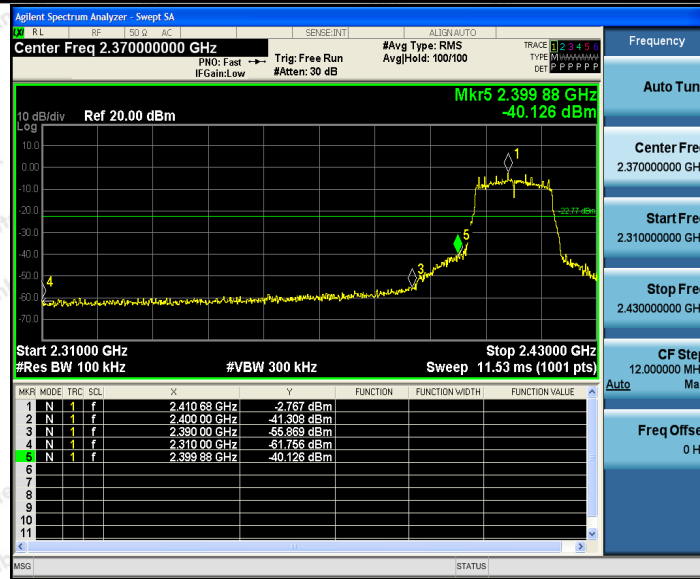
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com



Hotline

400-003-0500

www.anbotech.com



11G_Ant1_High_2462



11N20_Ant1_Low_2412



Shenzhen Anbotech Compliance Laboratory Limited

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

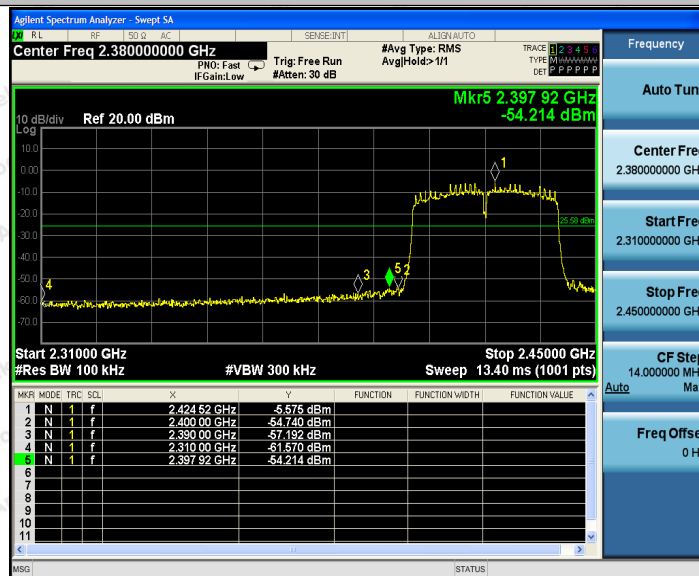
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

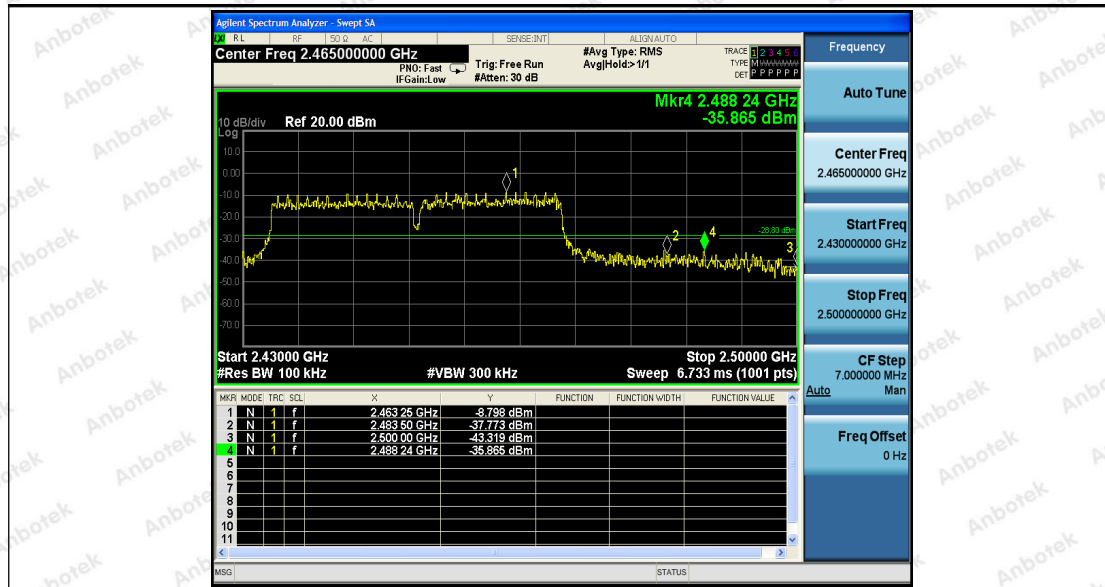
11N20_Ant1_High_2462



11N40_Ant1_Low_2422



11N40_Ant1_High_2452



Shenzhen Anbotech 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) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.53	3.53	---	PASS
			30~1000	3.53	-70.35	≤-16.47	PASS
			1000~26500	3.53	-52.15	≤-16.47	PASS
		2437	Reference	3.53	3.53	---	PASS
			30~1000	3.53	-70.46	≤-16.48	PASS
			1000~26500	3.53	-41.5	≤-16.48	PASS
		2462	Reference	4.44	4.44	---	PASS
			30~1000	4.44	-66.69	≤-15.56	PASS
			1000~26500	4.44	-35.75	≤-15.56	PASS
11G	Ant1	2412	Reference	-1.93	-1.93	---	PASS
			30~1000	-1.93	-70.09	≤-21.93	PASS
			1000~26500	-1.93	-51.91	≤-21.93	PASS
		2437	Reference	-2.47	-2.47	---	PASS
			30~1000	-2.47	-69.18	≤-22.47	PASS
			1000~26500	-2.47	-50.73	≤-22.47	PASS
		2462	Reference	-0.34	-0.34	---	PASS
			30~1000	-0.34	-65.18	≤-20.34	PASS
			1000~26500	-0.34	-47.73	≤-20.34	PASS
11N20	Ant1	2412	Reference	-1.80	-1.80	---	PASS
			30~1000	-1.80	-70.54	≤-21.8	PASS
			1000~26500	-1.80	-52.29	≤-21.8	PASS
		2437	Reference	-1.72	-1.72	---	PASS
			30~1000	-1.72	-70.33	≤-21.72	PASS
			1000~26500	-1.72	-50.25	≤-21.72	PASS
		2462	Reference	-0.35	-0.35	---	PASS
			30~1000	-0.35	-67.7	≤-20.35	PASS
			1000~26500	-0.35	-46.22	≤-20.35	PASS
11N40	Ant1	2422	Reference	-3.09	-3.09	---	PASS
			30~1000	-3.09	-70.36	≤-23.09	PASS
			1000~26500	-3.09	-53.8	≤-23.09	PASS
		2437	Reference	-3.46	-3.46	---	PASS
			30~1000	-3.46	-69.77	≤-23.46	PASS
			1000~26500	-3.46	-50.18	≤-23.46	PASS
		2452	Reference	-2.65	-2.65	---	PASS
			30~1000	-2.65	-61.56	≤-22.65	PASS
			1000~26500	-2.65	-50.06	≤-22.65	PASS

Shenzhen Anbotech 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) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

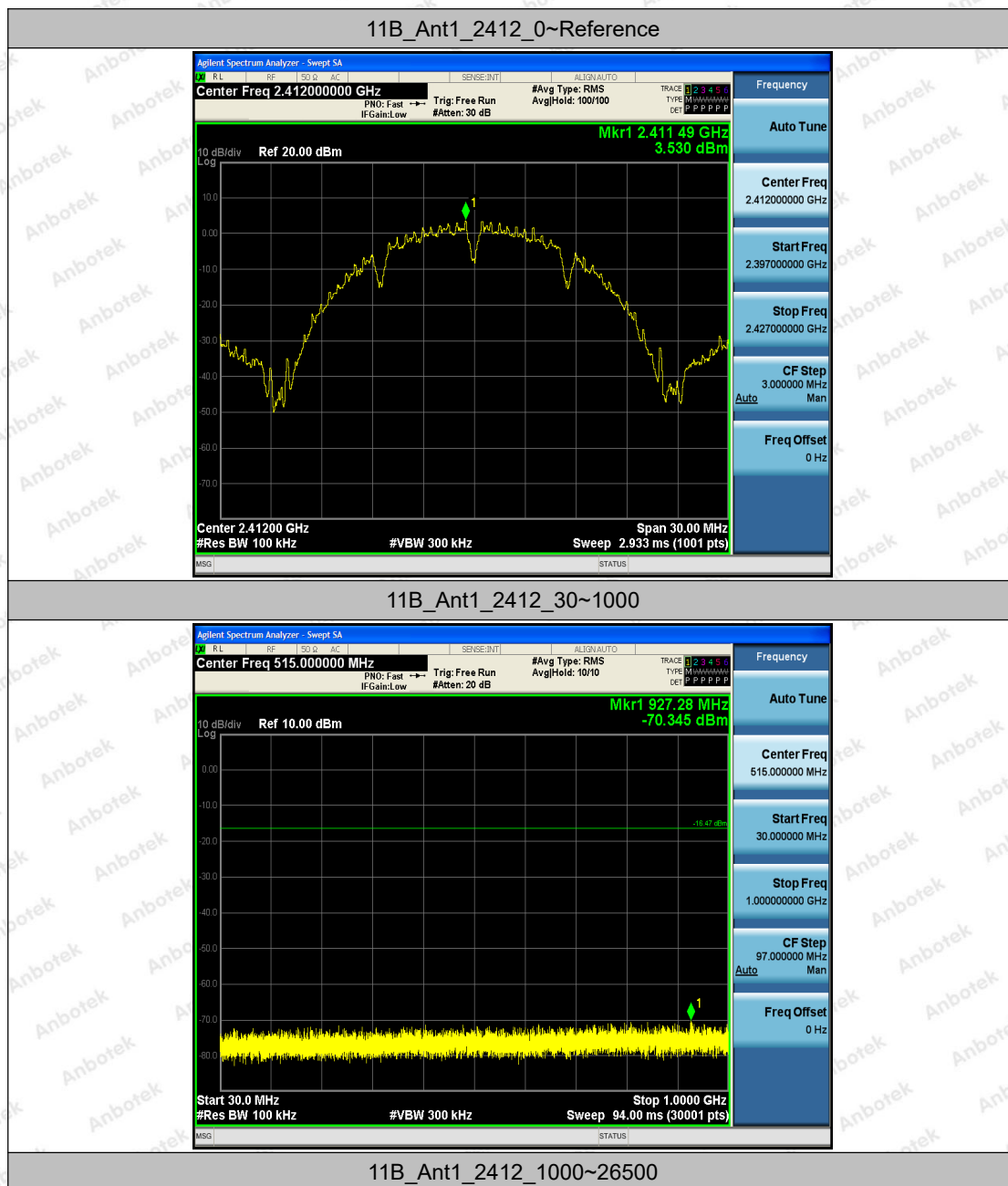


Hotline

400-003-0500

www.anbotech.com

Test Graphs



Shenzhen Anbotech Compliance Laboratory Limited

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

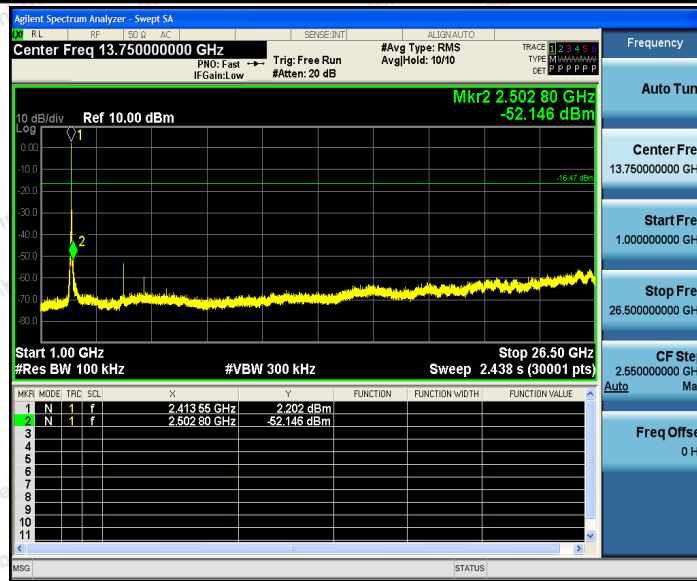
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com



Hotline

400-003-0500

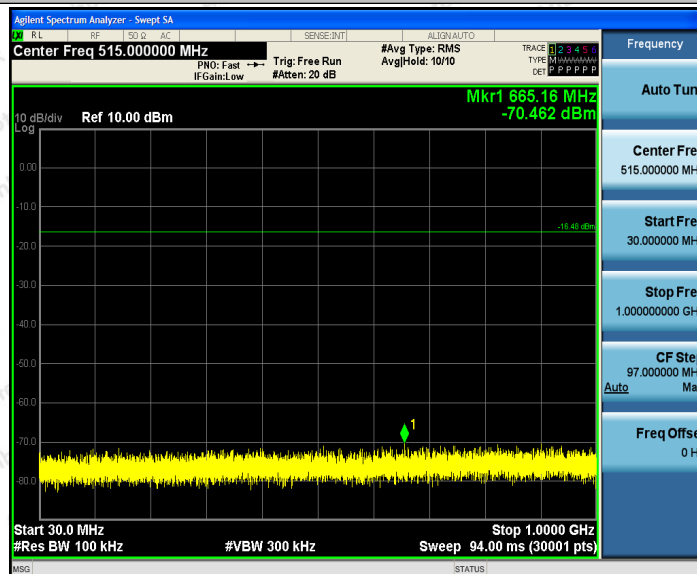
www.anbotech.com



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



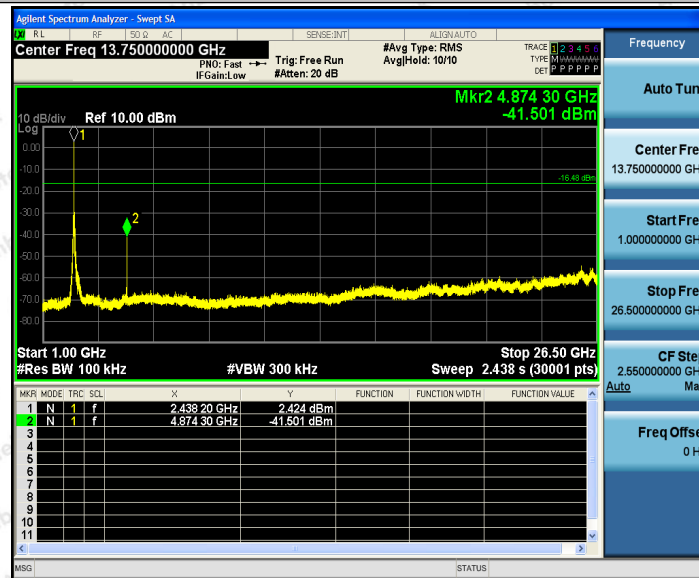
Shenzhen Anbotech Compliance Laboratory Limited

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

Shenzhen Anbotech Compliance Laboratory Limited

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

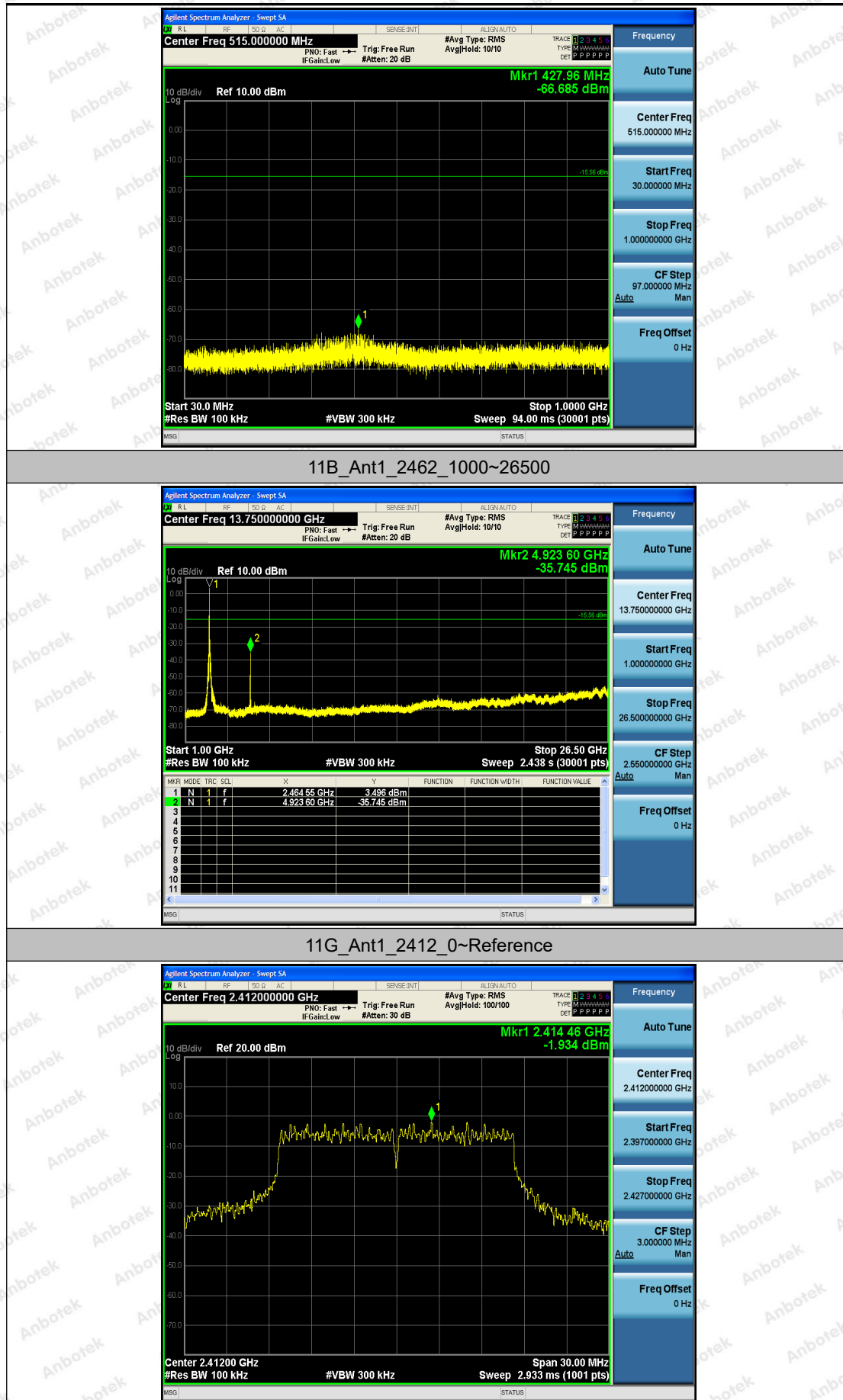
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com



Hotline

400-003-0500

www.anbotech.com



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.

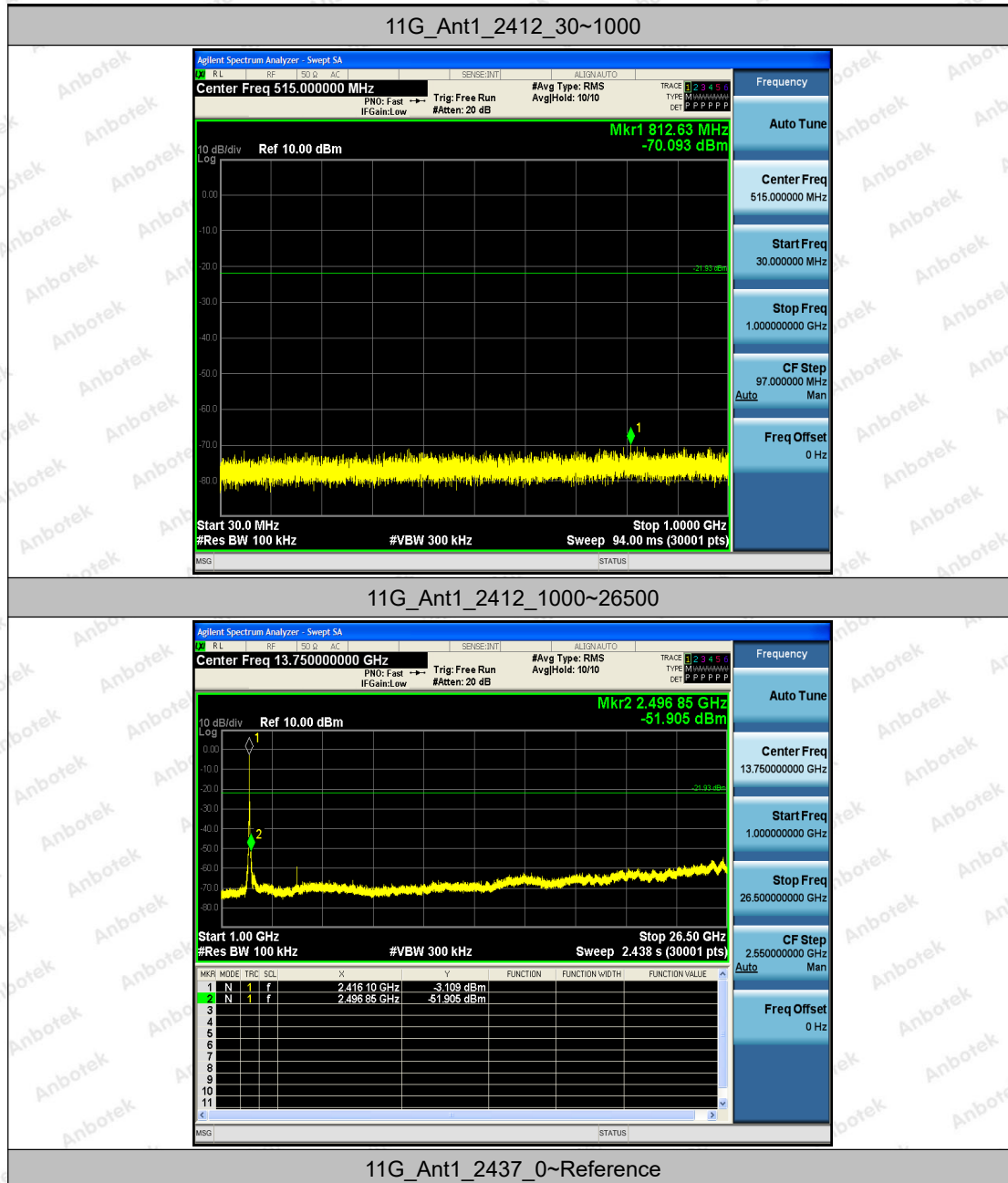
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Hotline

400-003-0500

www.anbotek.com

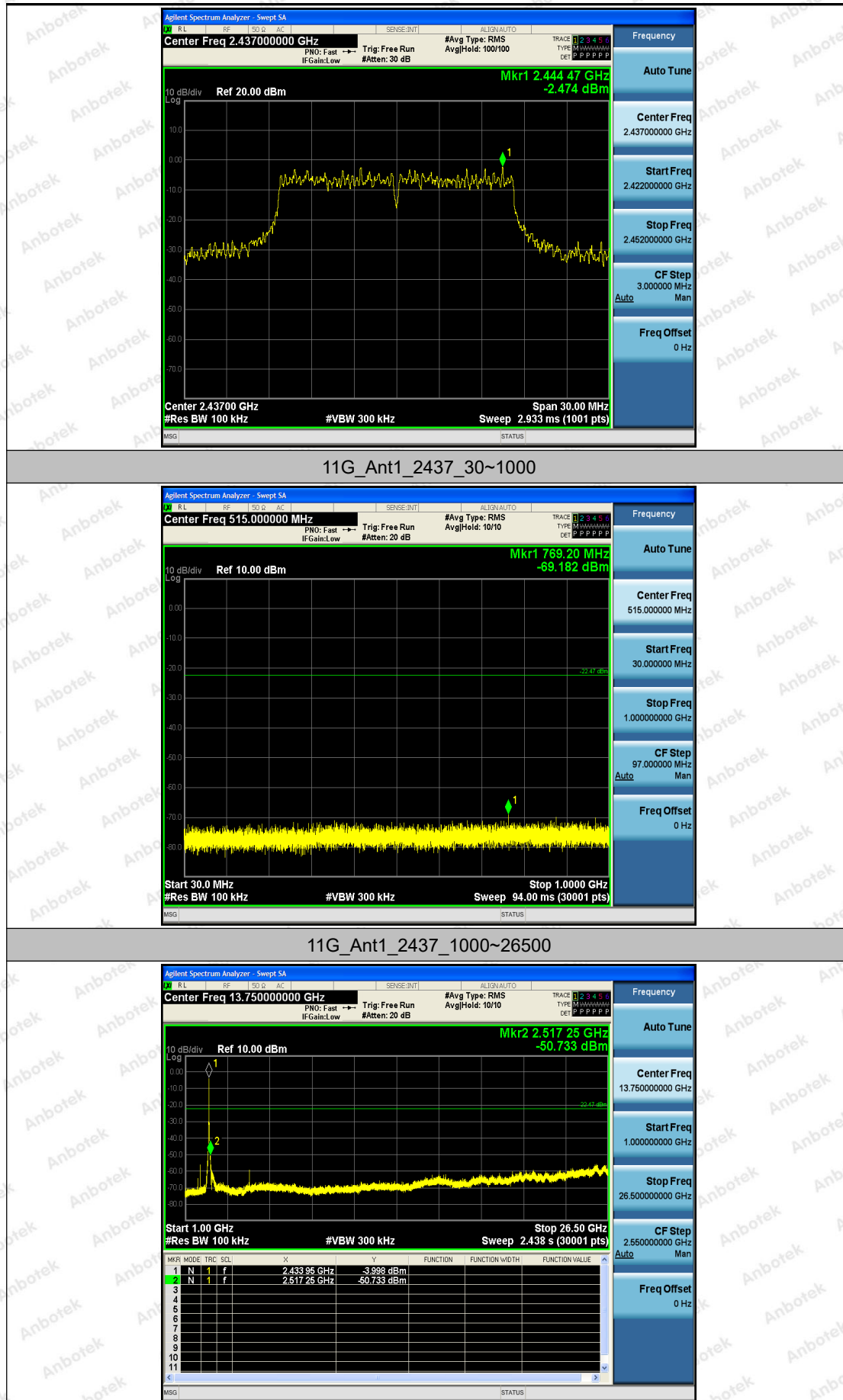


Shenzhen Anbotech Compliance Laboratory Limited

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

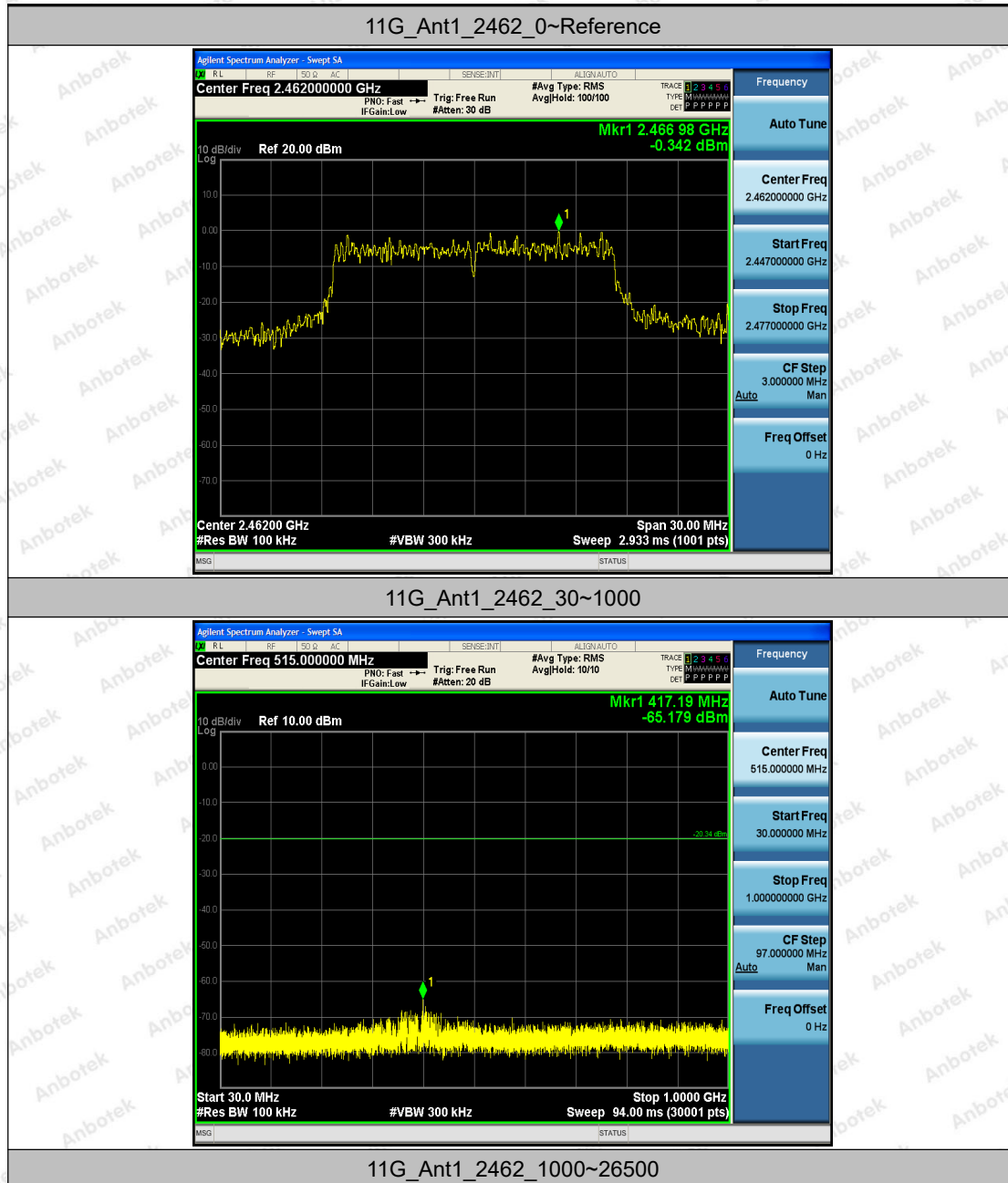


Shenzhen Anbotech Compliance Laboratory Limited

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

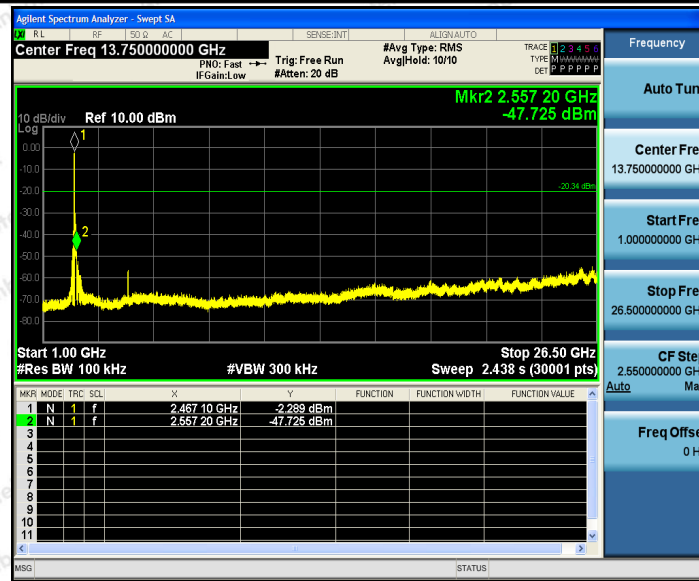
**Shenzhen Anbotech Compliance Laboratory Limited**

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com



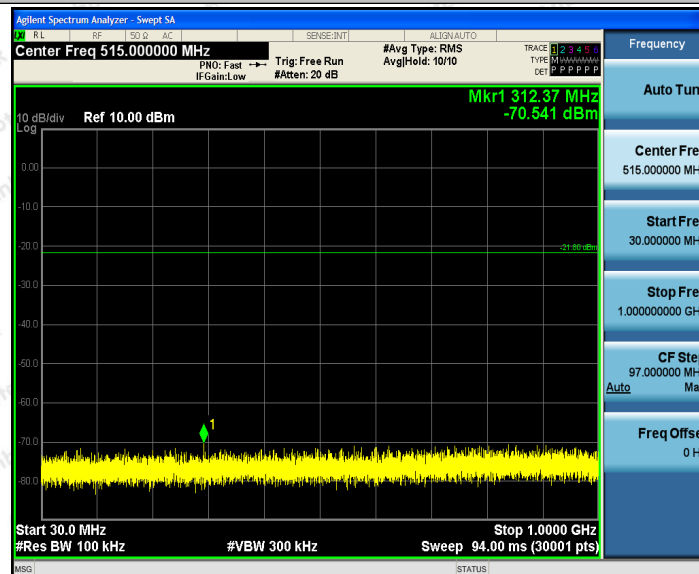
Hotline
400-003-0500
www.anbotech.com



11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



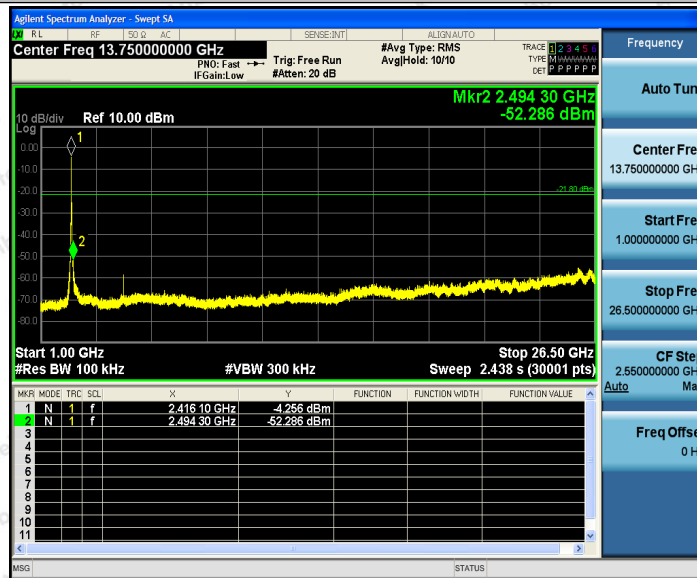
Shenzhen Anbotech Compliance Laboratory Limited

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



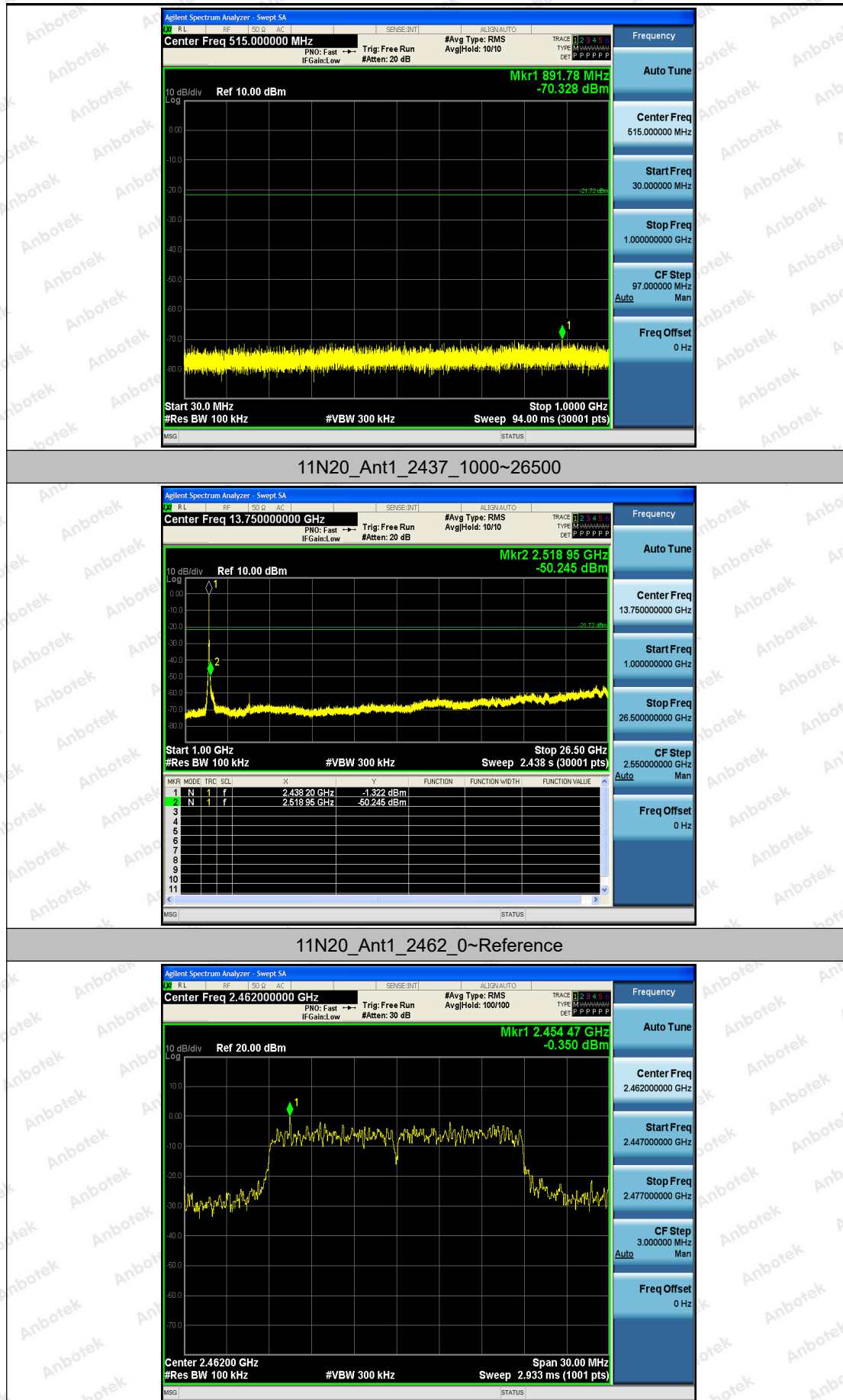
11N20_Ant1_2437_30~1000

Shenzhen Anbotech 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) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

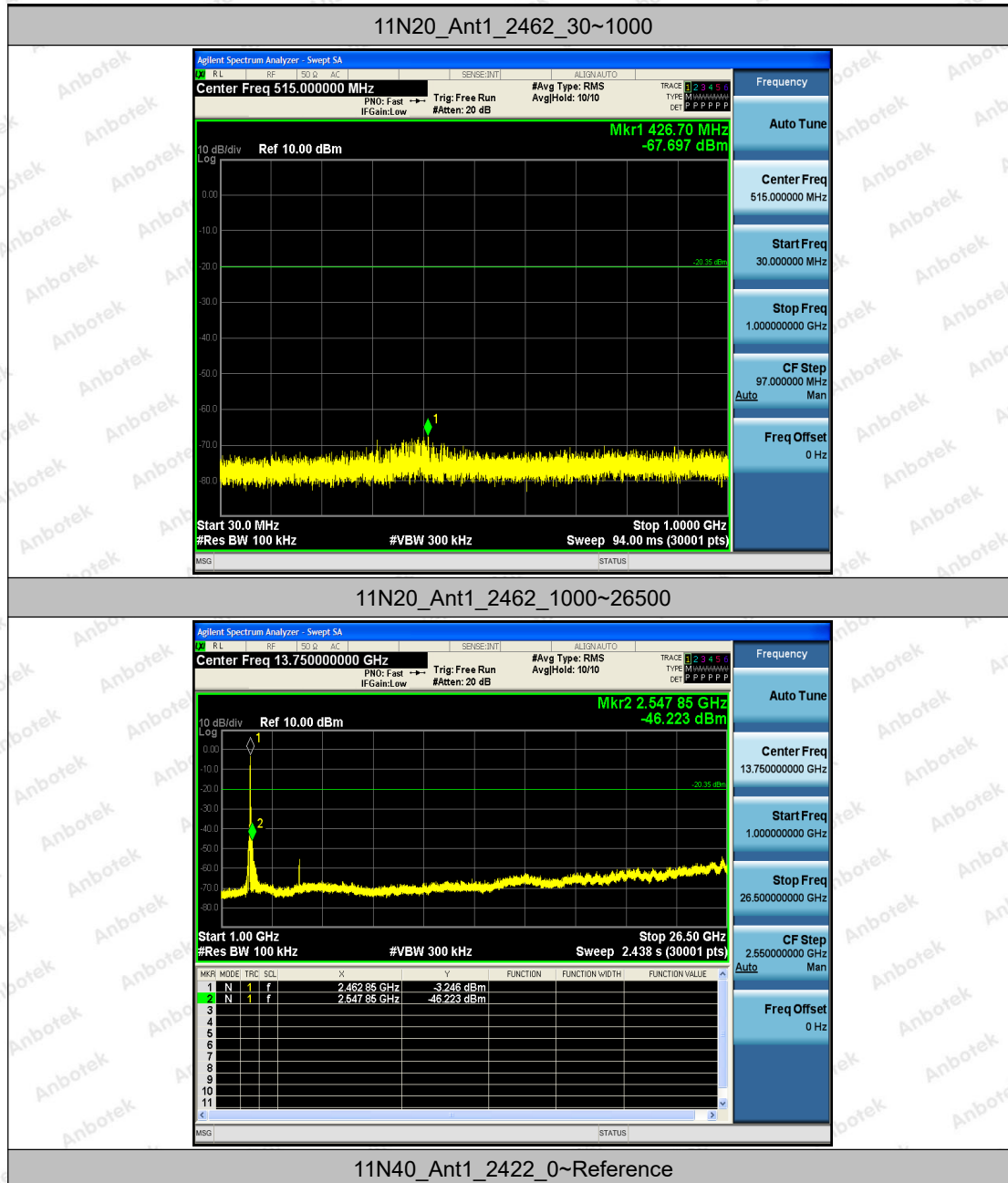


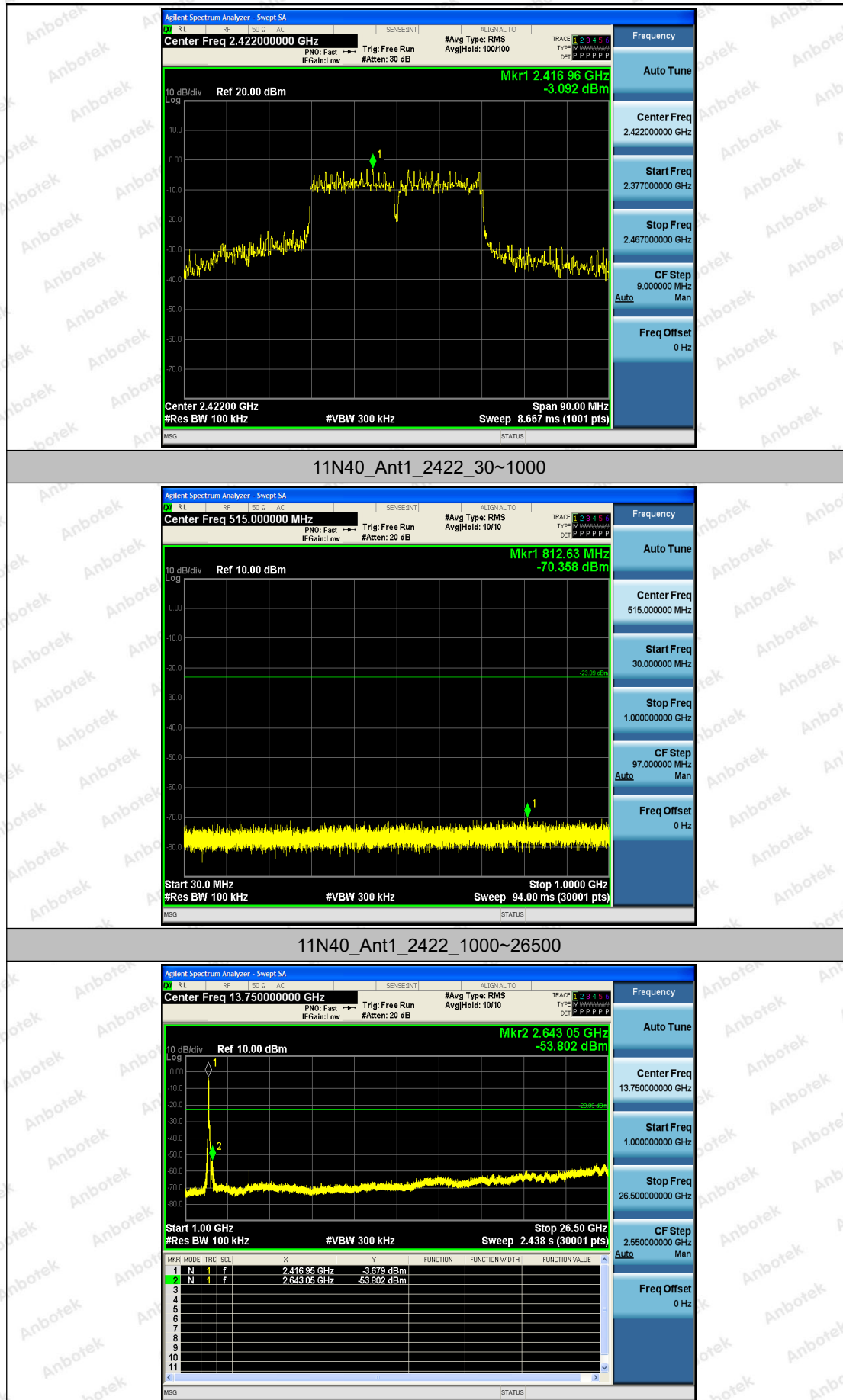
Shenzhen Anbotech Compliance Laboratory Limited

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com



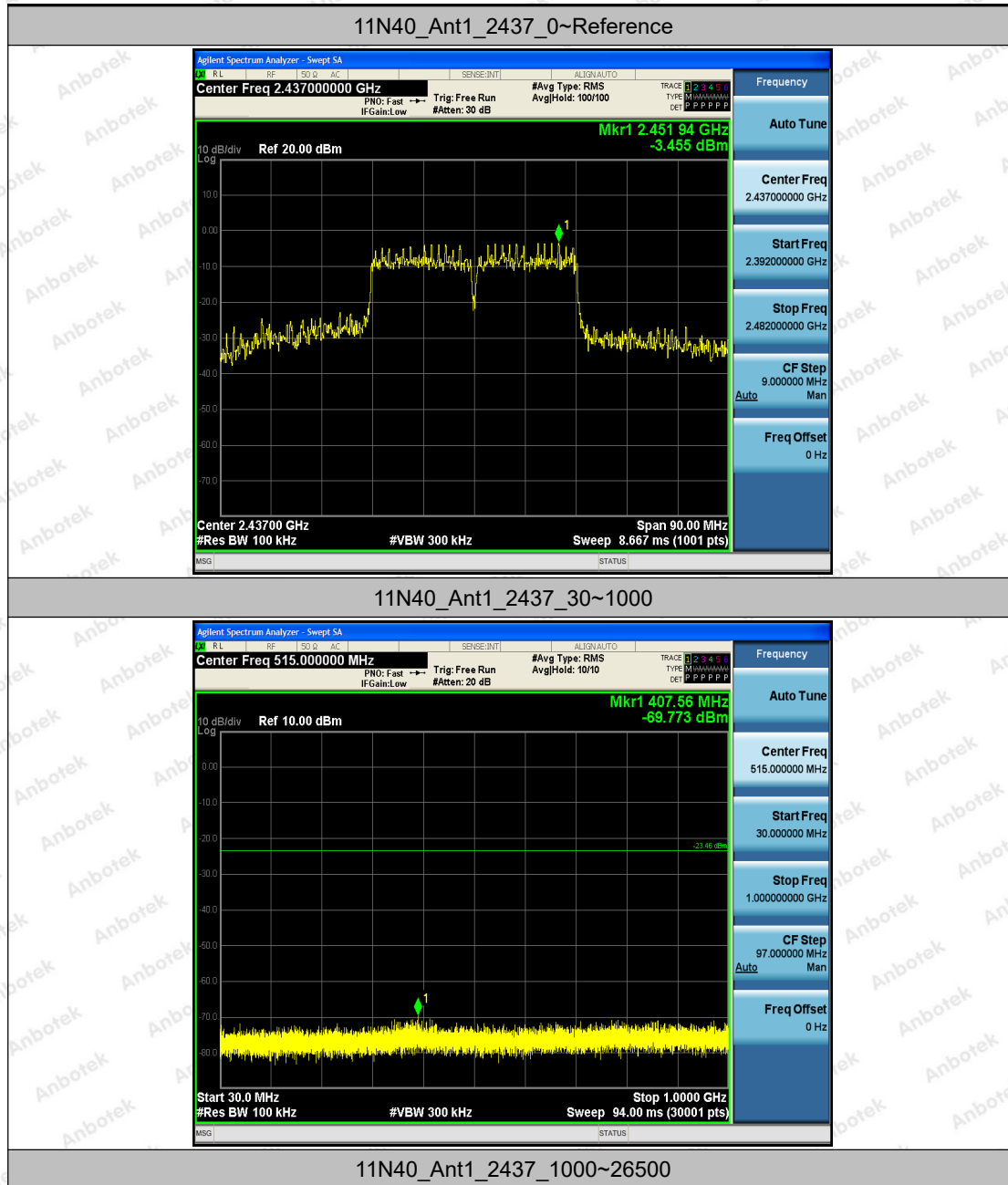


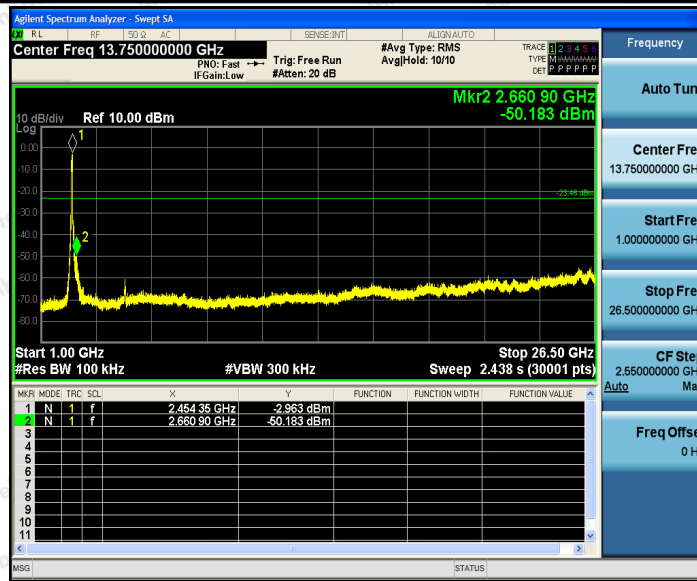
Shenzhen Anbotech Compliance Laboratory Limited

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

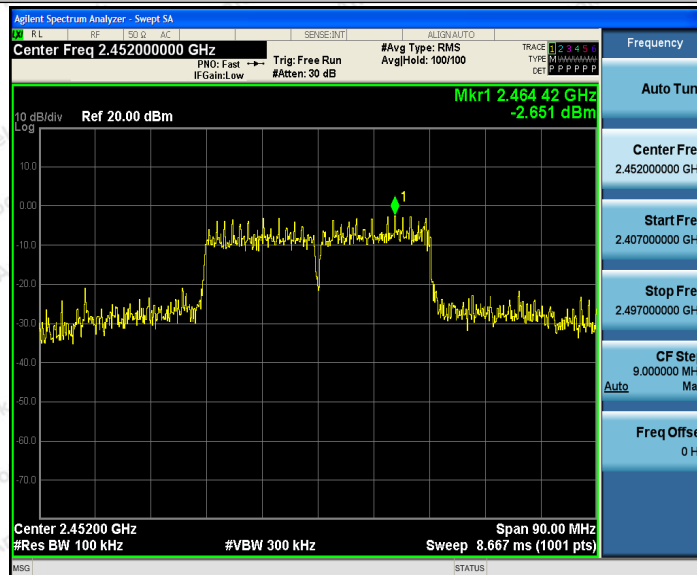
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

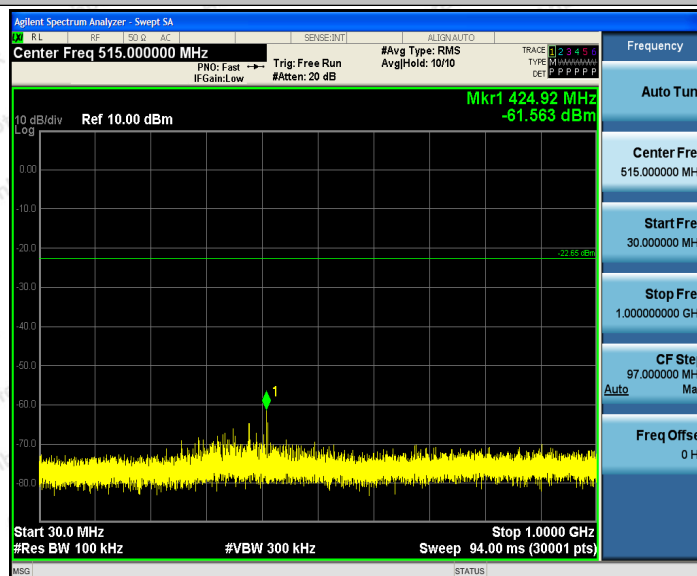




11N40_Ant1_2452_0~Reference



11N40_Ant1_2452_30~1000

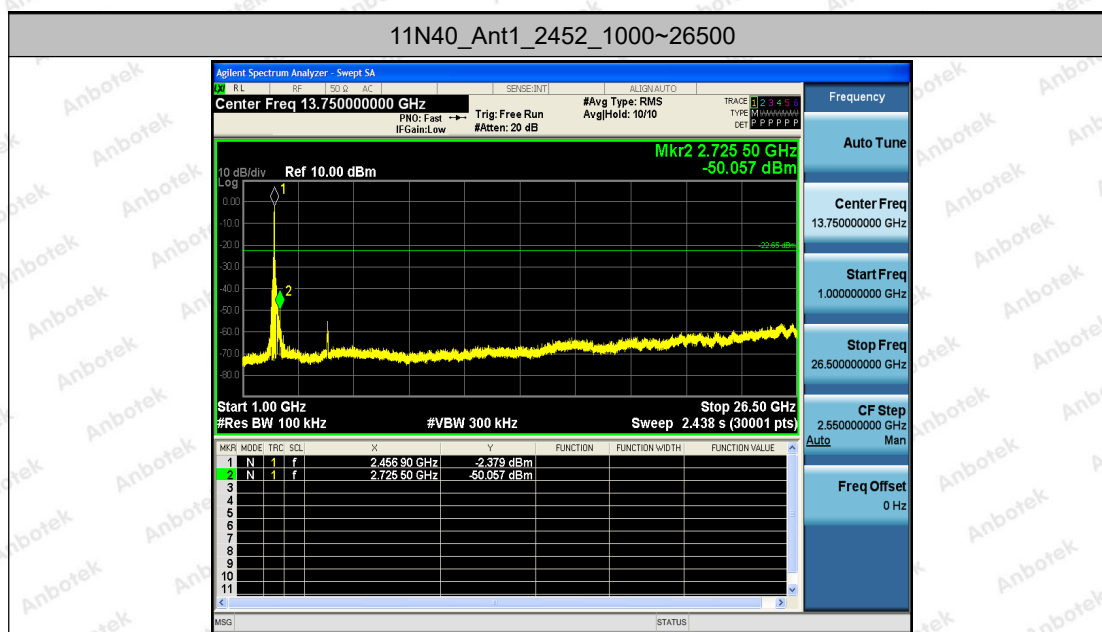


Shenzhen Anbotech Compliance Laboratory Limited

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com



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) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Hotline

400-003-0500

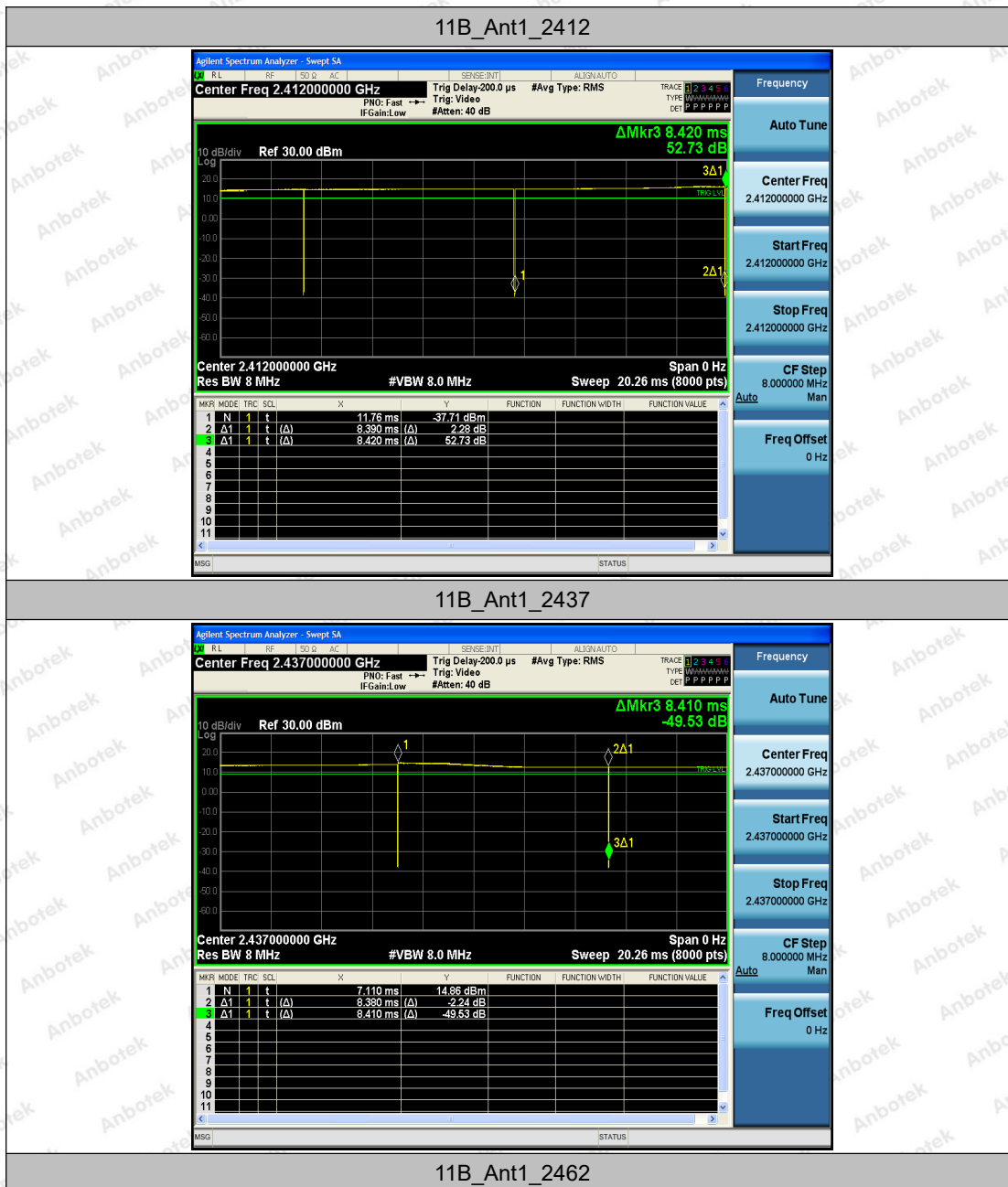
www.anbotek.com

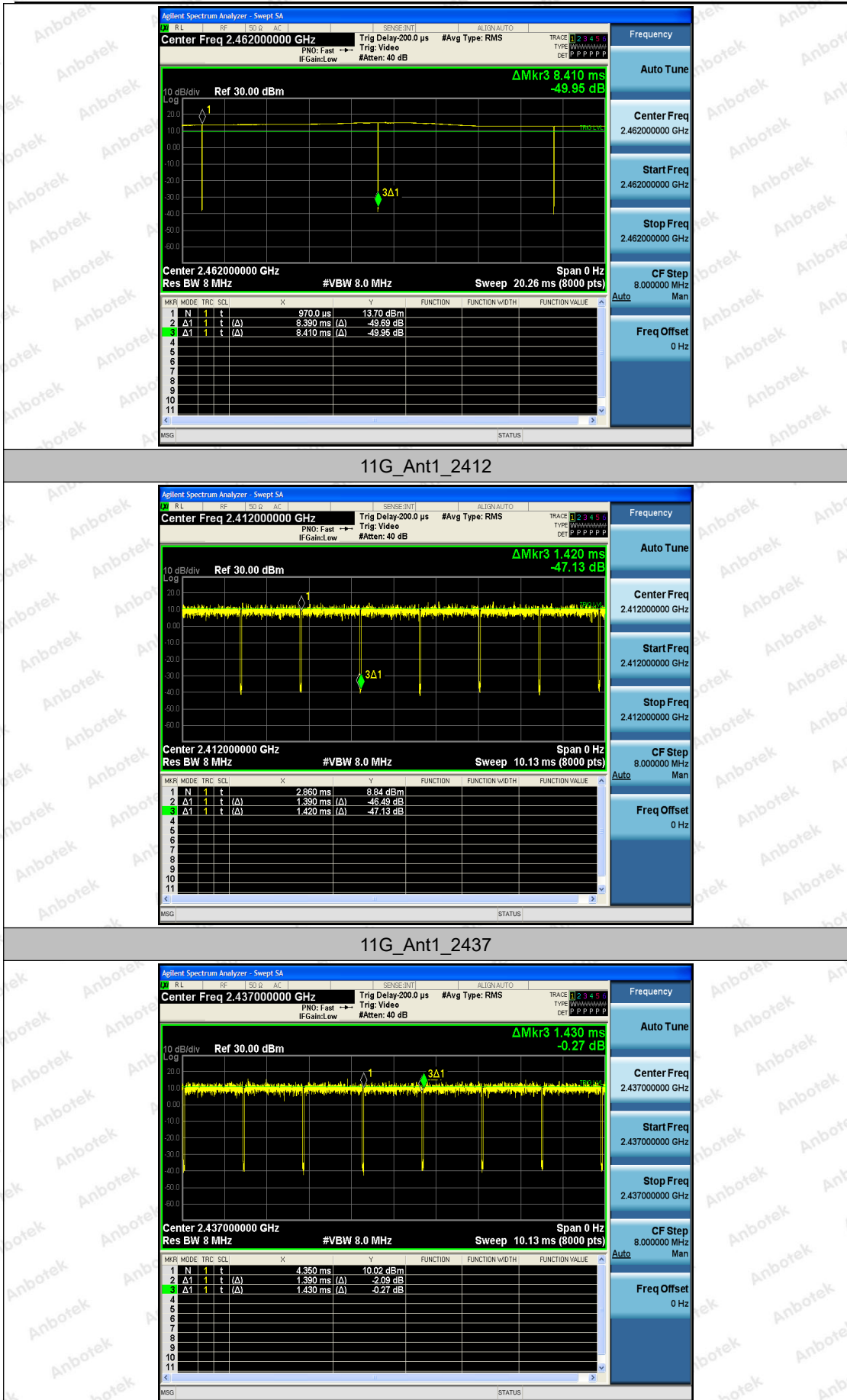
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.42	99.64	---	PASS
		2437	8.38	8.41	99.64	---	PASS
		2462	8.39	8.41	99.76	---	PASS
11G	Ant1	2412	1.39	1.42	97.89	---	PASS
		2437	1.39	1.43	97.20	---	PASS
		2462	1.39	1.43	97.20	---	PASS
11N20	Ant1	2412	1.30	1.33	97.74	---	PASS
		2437	1.30	1.34	97.01	---	PASS
		2462	1.30	1.33	97.74	---	PASS
11N40	Ant1	2422	0.65	0.68	95.59	---	PASS
		2437	0.65	0.68	95.59	---	PASS
		2452	0.64	0.68	94.12	---	PASS

Test Graphs





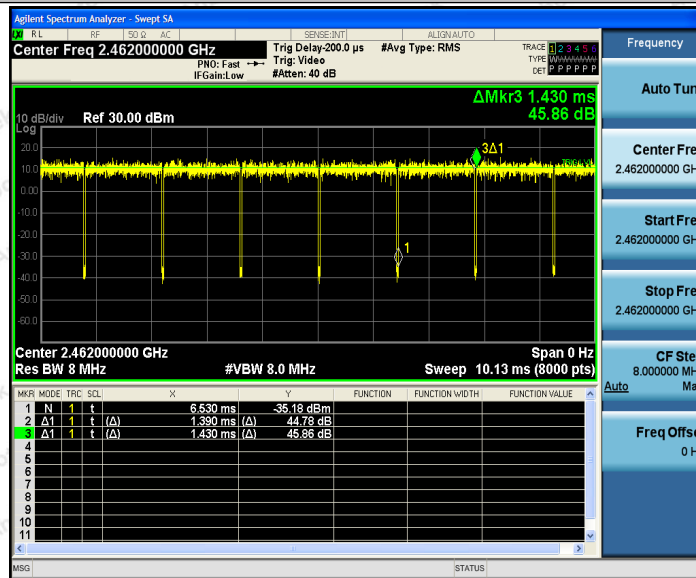
Shenzhen Anbotech Compliance Laboratory Limited

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

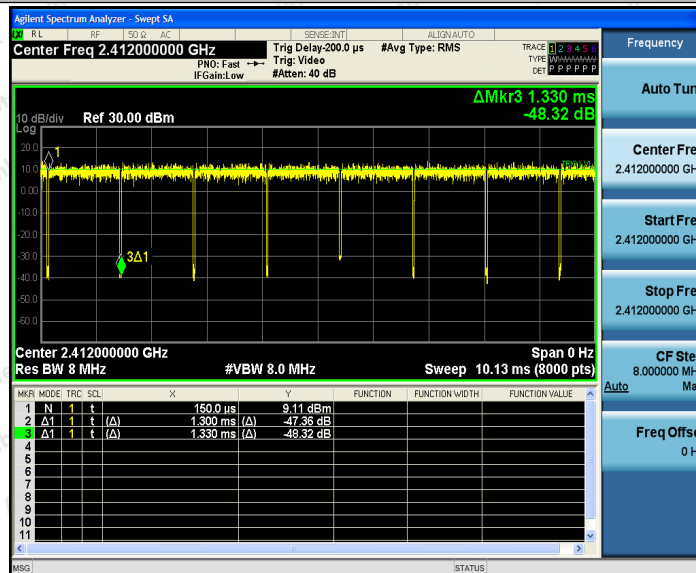
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

11G_Ant1_2462



11N20_Ant1_2412



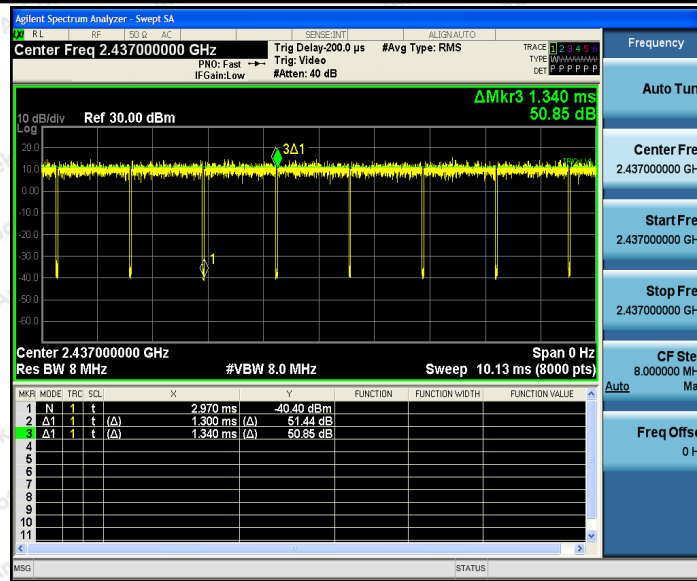
11N20_Ant1_2437

Shenzhen Anbotek Compliance Laboratory Limited

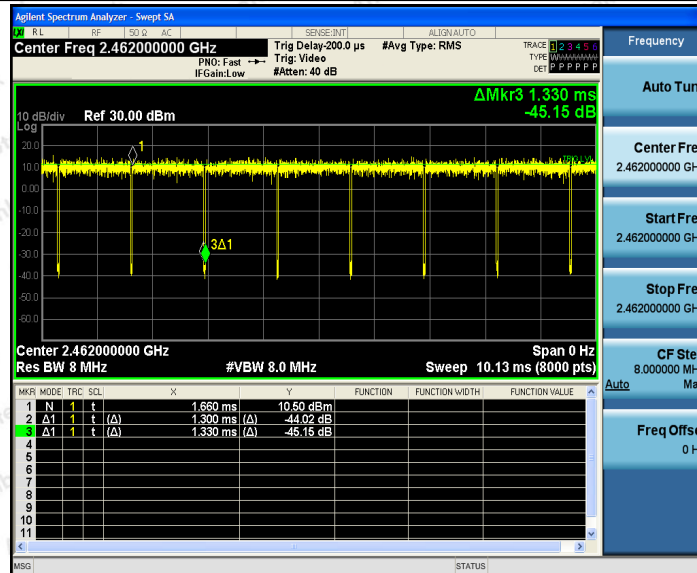
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

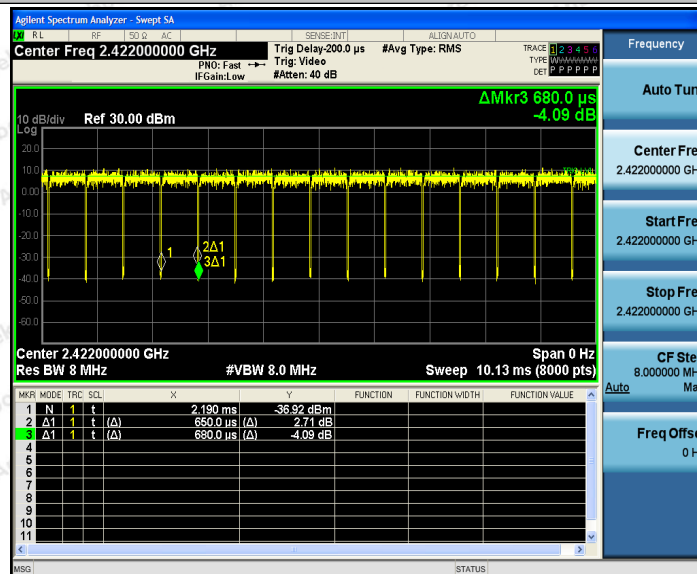
Hotline
400-003-0500
www.anbotek.com



11N20_Ant1_2462



11N40_Ant1_2422

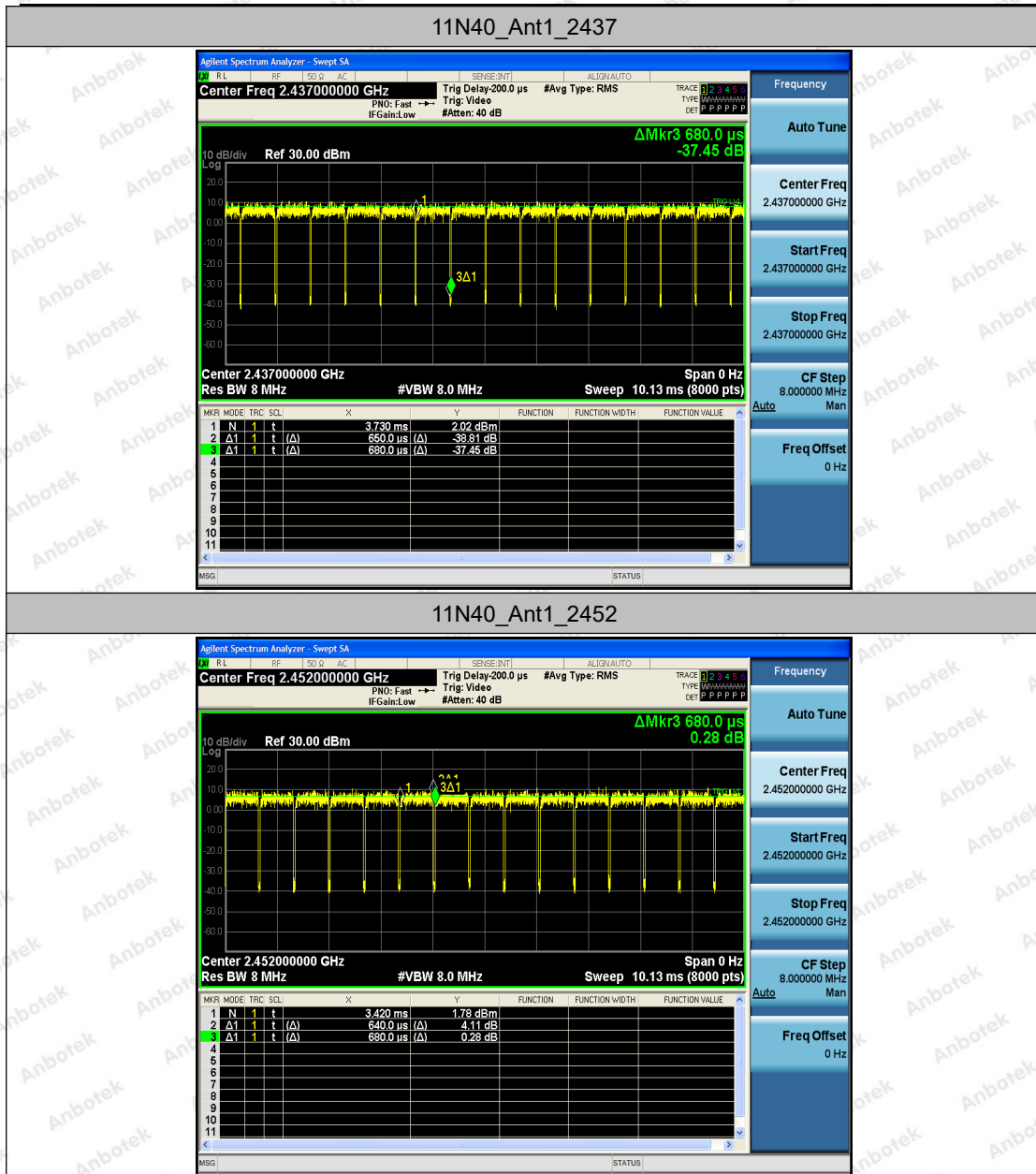


Shenzhen Anbotech Compliance Laboratory Limited

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com



---End---