

Appendix Test Data

Report No.:	18220WC10218701	Test Date:	2021.10.22
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

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.040	2406.920	2416.960	≥0.5	PASS
		2437	10.120	2431.920	2442.040	≥0.5	PASS
		2462	9.840	2457.080	2466.920	≥0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	≥0.5	PASS
		2437	16.480	2428.760	2445.240	≥0.5	PASS
		2462	16.400	2453.800	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.680	2403.160	2420.840	≥0.5	PASS
		2437	17.120	2428.400	2445.520	≥0.5	PASS
		2462	17.360	2453.440	2470.800	≥0.5	PASS
11N40	Ant1	2422	35.640	2404.180	2439.820	≥0.5	PASS
		2437	35.700	2419.120	2454.820	≥0.5	PASS
		2452	35.820	2434.360	2470.180	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



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



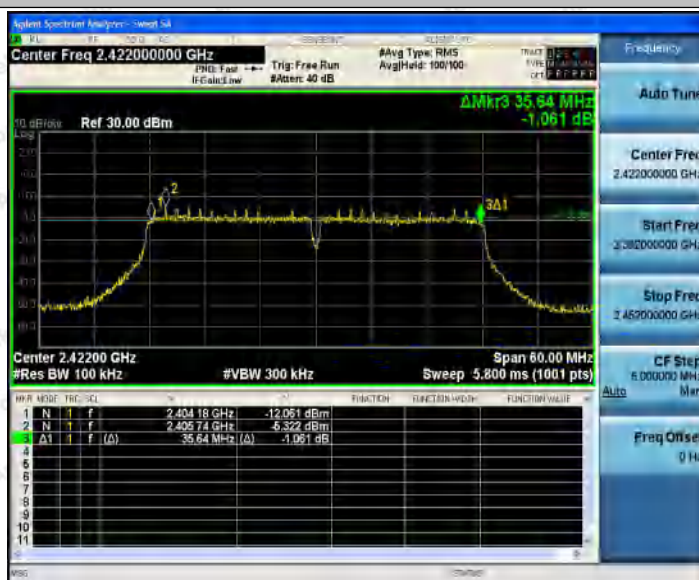
11N20_Ant1_2437



11N20_Ant1_2462



11N40_Ant1_2422



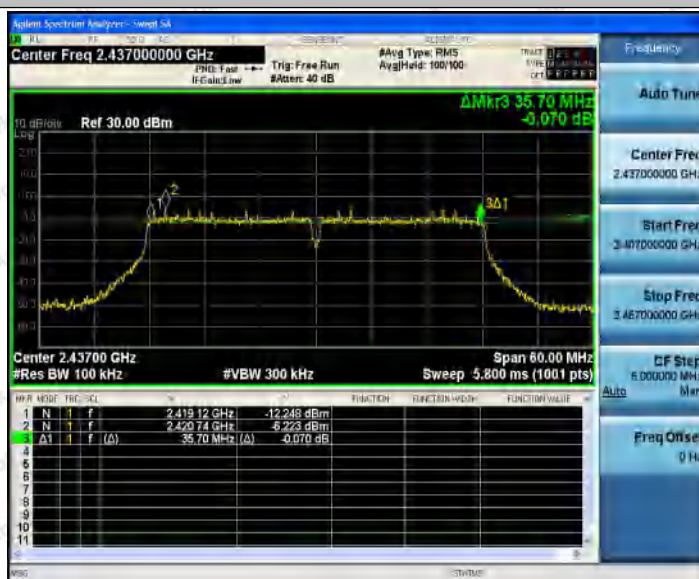
Shenzhen Anbotech Compliance Laboratory Limited

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

11N40_Ant1_2437



11N40_Ant1_2452



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

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.011	2404.431	2419.442	---	PASS
		2437	15.032	2429.472	2444.504	---	PASS
		2462	15.007	2454.555	2469.562	---	PASS
11G	Ant1	2412	17.003	2403.470	2420.473	---	PASS
		2437	17.119	2428.407	2445.526	---	PASS
		2462	17.054	2453.491	2470.545	---	PASS
11N20	Ant1	2412	18.048	2402.911	2420.959	---	PASS
		2437	18.021	2427.923	2445.944	---	PASS
		2462	17.982	2453.012	2470.994	---	PASS
11N40	Ant1	2422	36.179	2403.837	2440.016	---	PASS
		2437	36.295	2418.834	2455.129	---	PASS
		2452	36.262	2433.865	2470.127	---	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.

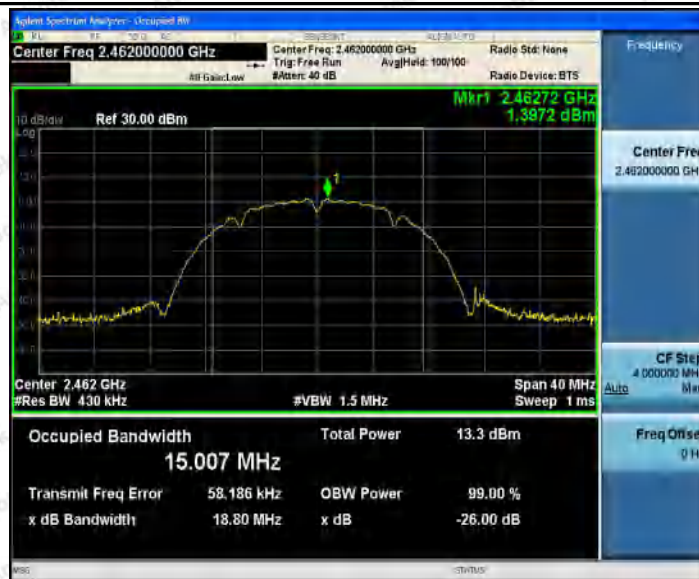
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



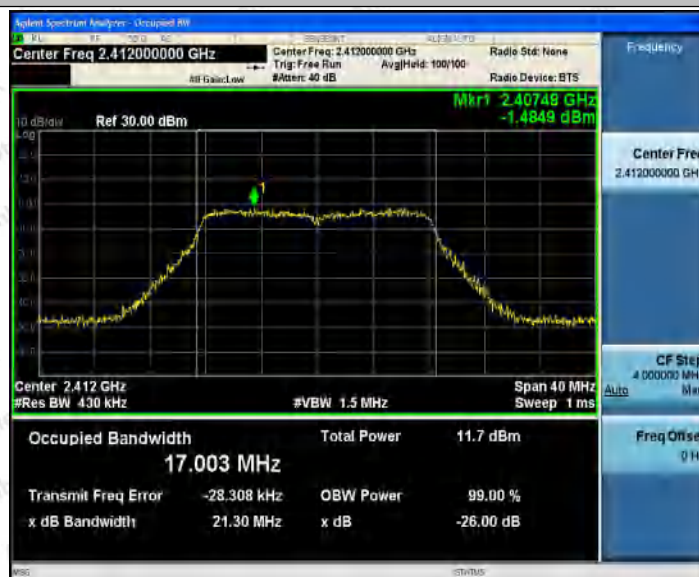
Hotline

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



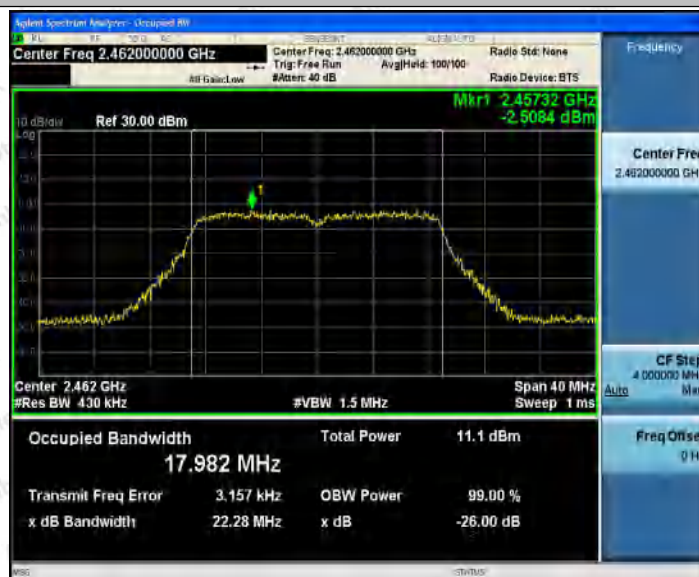
11N20_Ant1_2412



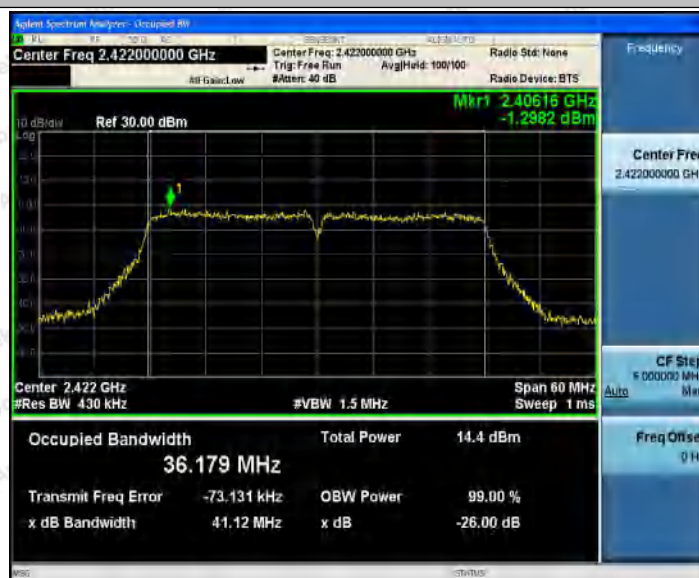
11N20_Ant1_2437



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.

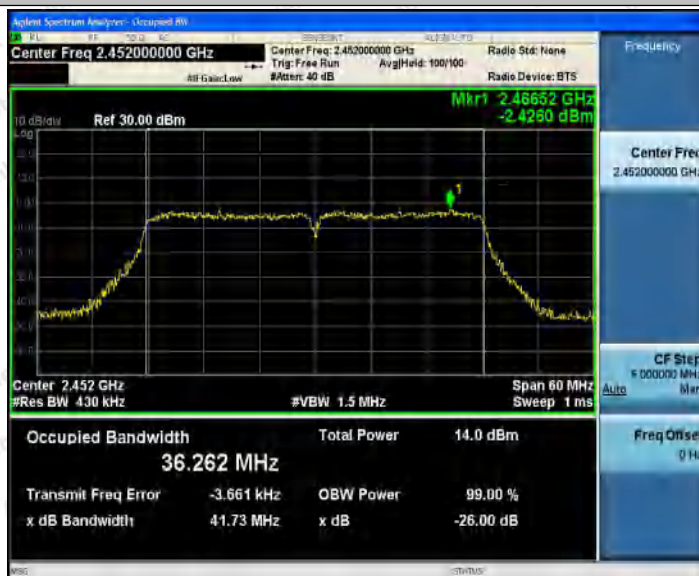
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

11N40_Ant1_2437



11N40_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

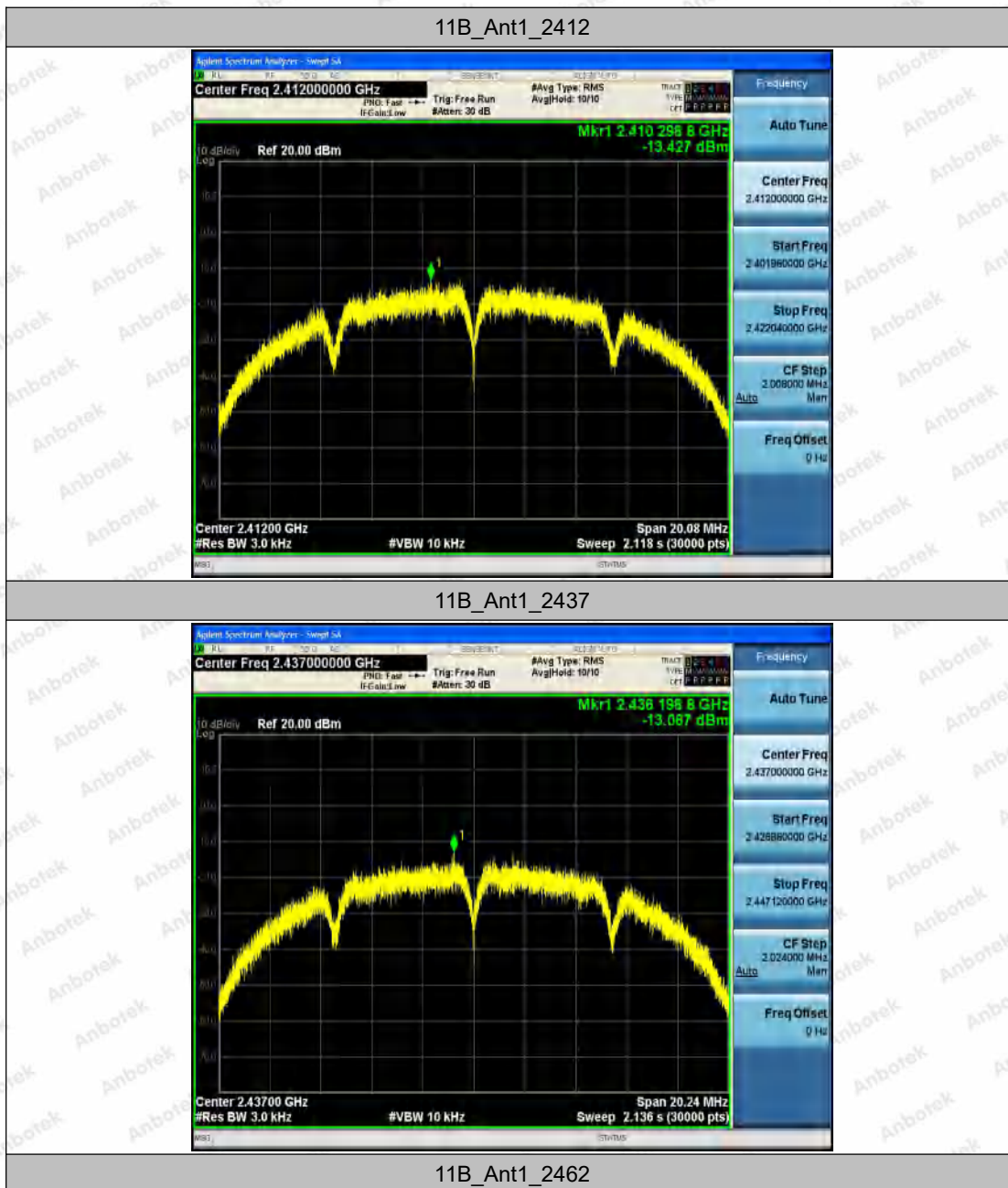
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	13.37	≤30	PASS
		2437	12.60	≤30	PASS
		2462	12.93	≤30	PASS
11G	Ant1	2412	12.79	≤30	PASS
		2437	11.63	≤30	PASS
		2462	12.20	≤30	PASS
11N20	Ant1	2412	12.71	≤30	PASS
		2437	11.72	≤30	PASS
		2462	12.23	≤30	PASS
11N40	Ant1	2422	12.75	≤30	PASS
		2437	12.24	≤30	PASS
		2452	12.35	≤30	PASS

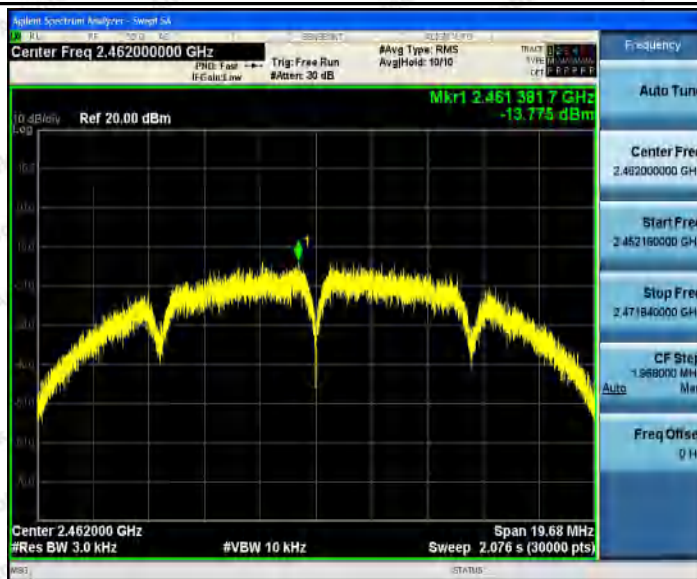
Appendix D: Maximum power spectral density

Test Result

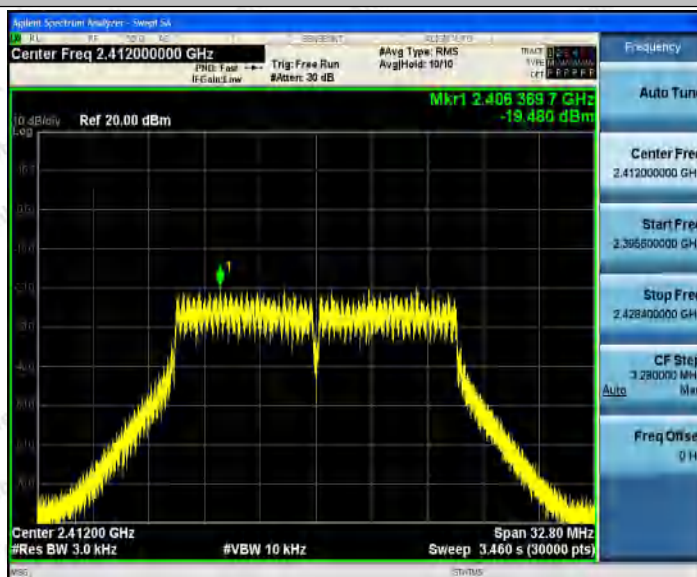
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.43	≤8	PASS
		2437	-13.07	≤8	PASS
		2462	-13.78	≤8	PASS
11G	Ant1	2412	-19.48	≤8	PASS
		2437	-21.26	≤8	PASS
		2462	-18.98	≤8	PASS
11N20	Ant1	2412	-18.69	≤8	PASS
		2437	-21.32	≤8	PASS
		2462	-20.95	≤8	PASS
11N40	Ant1	2422	-19.77	≤8	PASS
		2437	-20.57	≤8	PASS
		2452	-20.46	≤8	PASS

Test Graphs

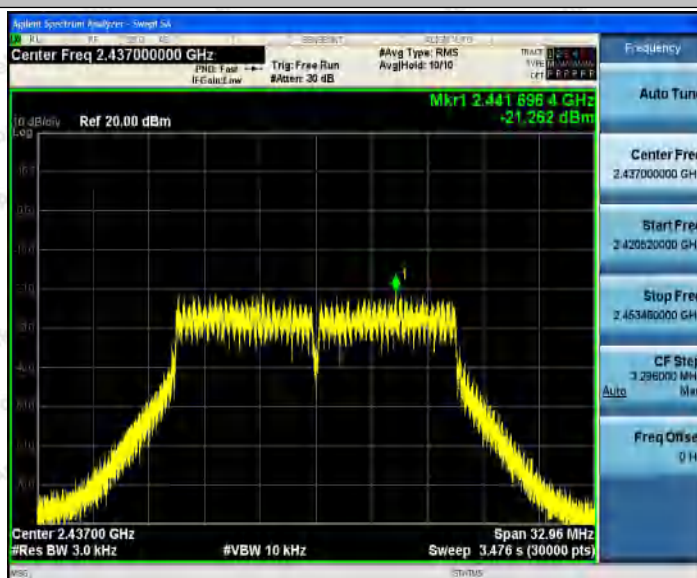




11G_Ant1_2412



11G_Ant1_2437



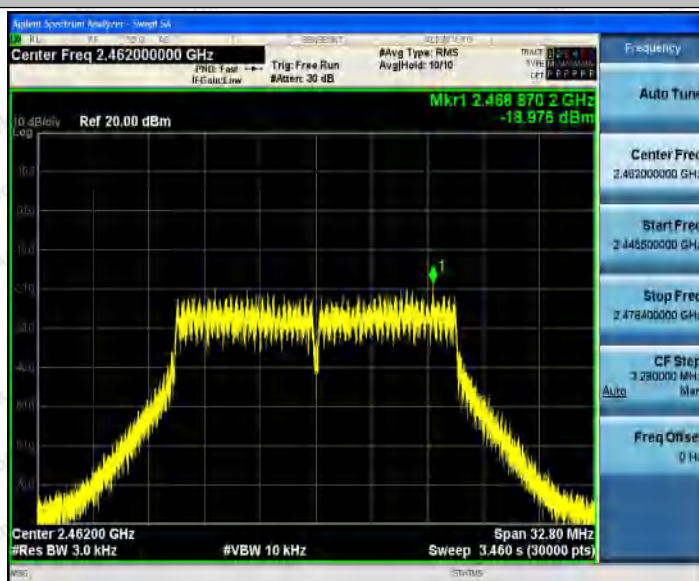
Shenzhen Anbotek Compliance Laboratory Limited

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

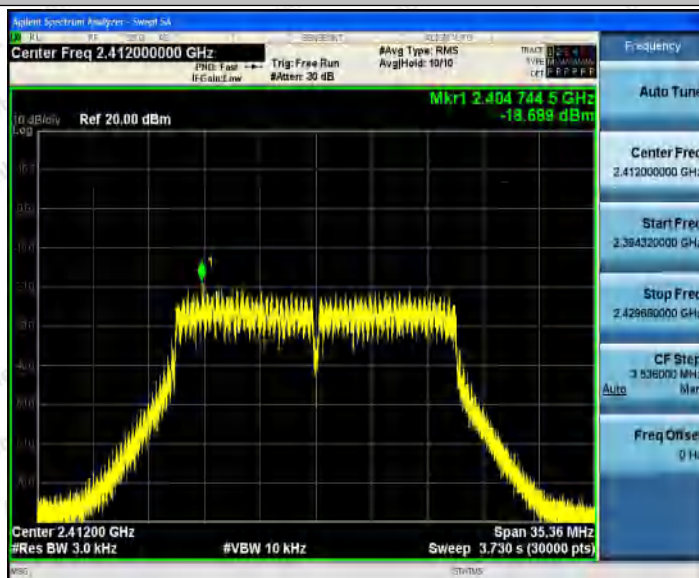
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

11G_Ant1_2462



11N20_Ant1_2412



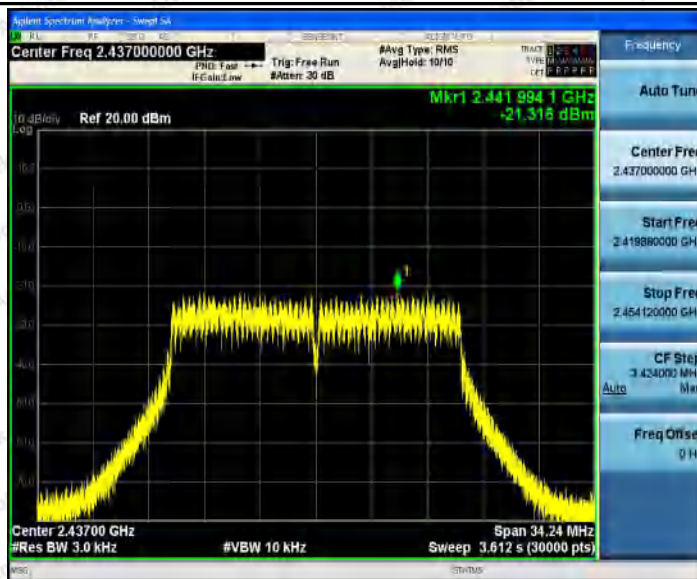
11N20_Ant1_2437

Shenzhen Anbotek Compliance Laboratory Limited

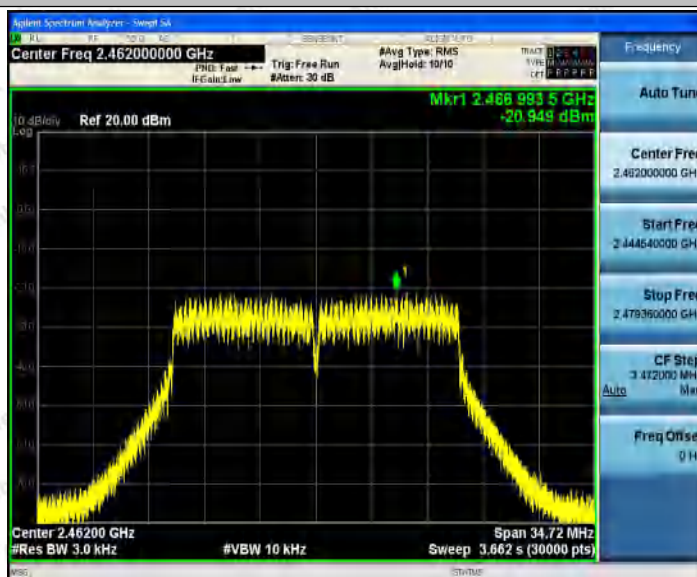
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

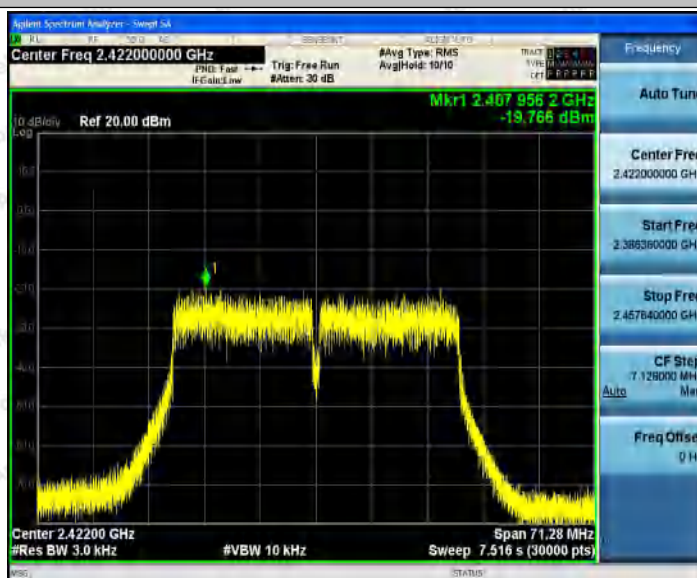
Hotline
400-003-0500
www.anbotek.com



11N20_Ant1_2462



11N40_Ant1_2422



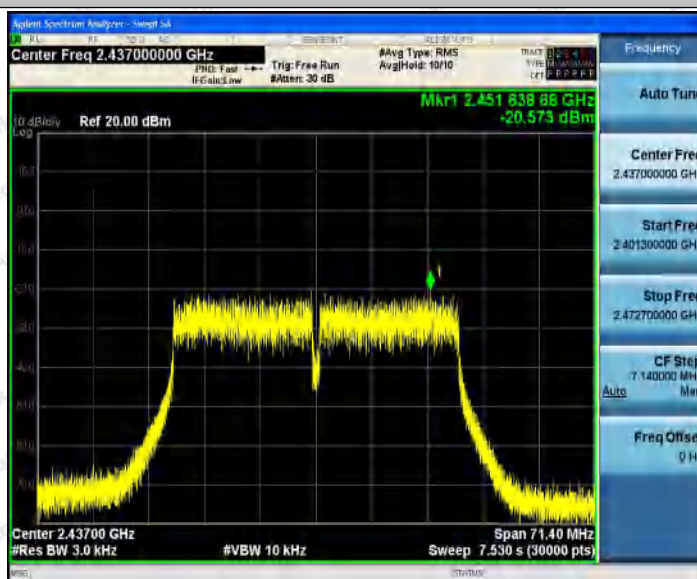
Shenzhen Anbotek Compliance Laboratory Limited

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

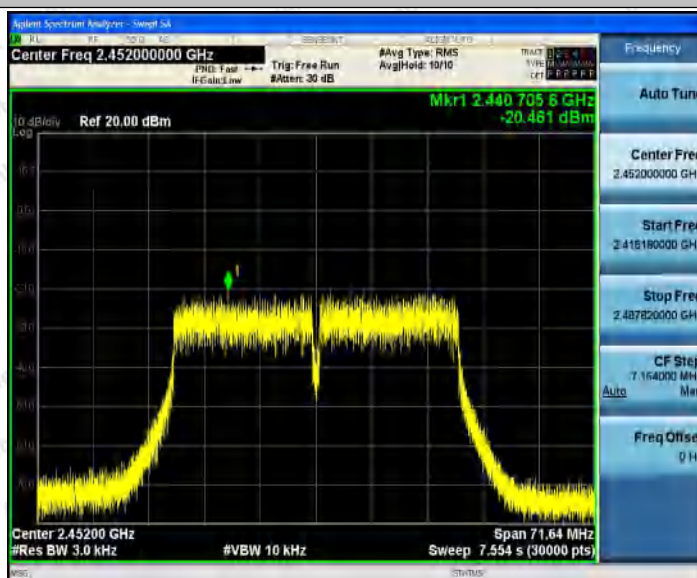
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

11N40_Ant1_2437



11N40_Ant1_2452



Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.81	-39.08	≤ -13.19	PASS
		High	2462	7.76	-52.72	≤ -12.24	PASS
11G	Ant1	Low	2412	1.95	-37.42	≤ -18.05	PASS
		High	2462	4.97	-45.88	≤ -15.03	PASS
11N20	Ant1	Low	2412	1.11	-36.78	≤ -18.89	PASS
		High	2462	4.01	-44.2	≤ -15.99	PASS
11N40	Ant1	Low	2422	0.37	-32.03	≤ -19.63	PASS
		High	2452	0.70	-34.42	≤ -19.3	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20_Ant1_Low_2412



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_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



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

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.56	0.56	---	PASS
			30~1000	0.56	-69.86	≤-19.44	PASS
			1000~26500	0.56	-56.07	≤-19.44	PASS
		2437	Reference	-0.14	-0.14	---	PASS
			30~1000	-0.14	-69.6	≤-20.14	PASS
			1000~26500	-0.14	-56.08	≤-20.14	PASS
		2462	Reference	-0.14	-0.14	---	PASS
			30~1000	-0.14	-69.7	≤-20.14	PASS
			1000~26500	-0.14	-55.63	≤-20.14	PASS
11G	Ant1	2412	Reference	-6.54	-6.54	---	PASS
			30~1000	-6.54	-69.74	≤-26.54	PASS
			1000~26500	-6.54	-55.71	≤-26.54	PASS
		2437	Reference	-6.74	-6.74	---	PASS
			30~1000	-6.74	-70.57	≤-26.74	PASS
			1000~26500	-6.74	-55.8	≤-26.74	PASS
		2462	Reference	-6.14	-6.14	---	PASS
			30~1000	-6.14	-70.42	≤-26.14	PASS
			1000~26500	-6.14	-55.1	≤-26.14	PASS
11N20	Ant1	2412	Reference	-6.03	-6.03	---	PASS
			30~1000	-6.03	-70.68	≤-26.03	PASS
			1000~26500	-6.03	-55.92	≤-26.03	PASS
		2437	Reference	-6.71	-6.71	---	PASS
			30~1000	-6.71	-69.67	≤-26.71	PASS
			1000~26500	-6.71	-55.9	≤-26.71	PASS
		2462	Reference	-6.50	-6.50	---	PASS
			30~1000	-6.50	-69.89	≤-26.5	PASS
			1000~26500	-6.50	-54.71	≤-26.5	PASS
11N40	Ant1	2422	Reference	-5.98	-5.98	---	PASS
			30~1000	-5.98	-69.79	≤-25.98	PASS
			1000~26500	-5.98	-54.85	≤-25.98	PASS
		2437	Reference	-6.20	-6.20	---	PASS
			30~1000	-6.20	-69.26	≤-26.2	PASS
			1000~26500	-6.20	-56.26	≤-26.2	PASS
		2452	Reference	-5.70	-5.70	---	PASS
			30~1000	-5.70	-69.73	≤-25.7	PASS
			1000~26500	-5.70	-56.09	≤-25.7	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

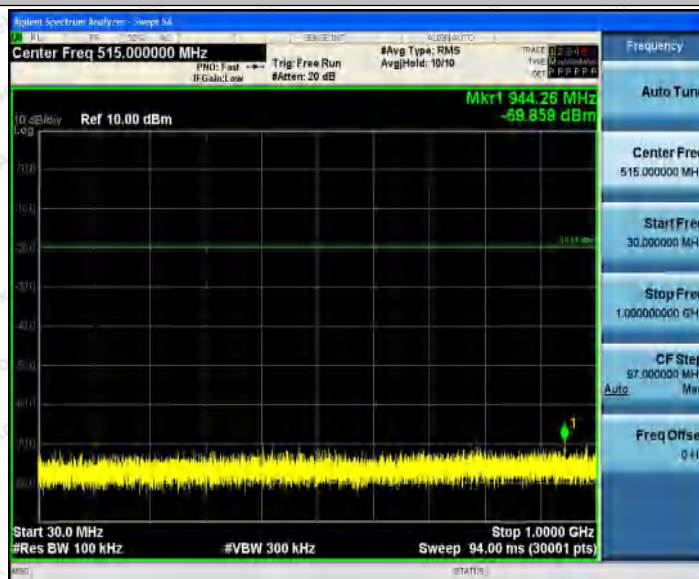
www.anbotech.com

Test Graphs

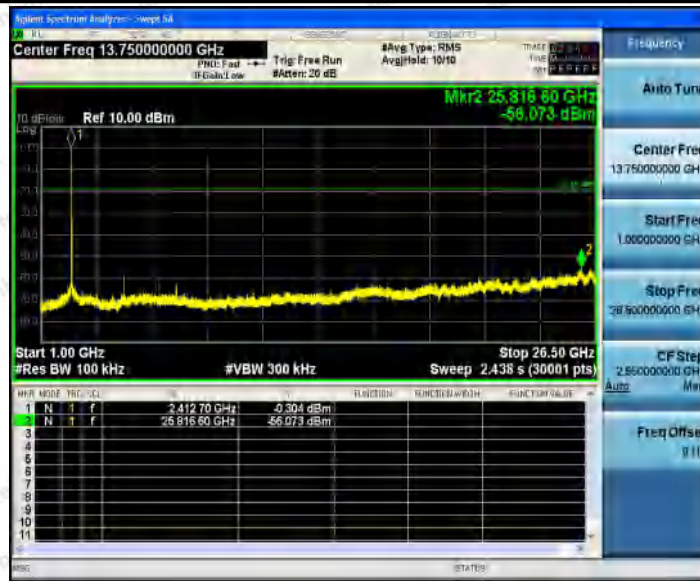
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



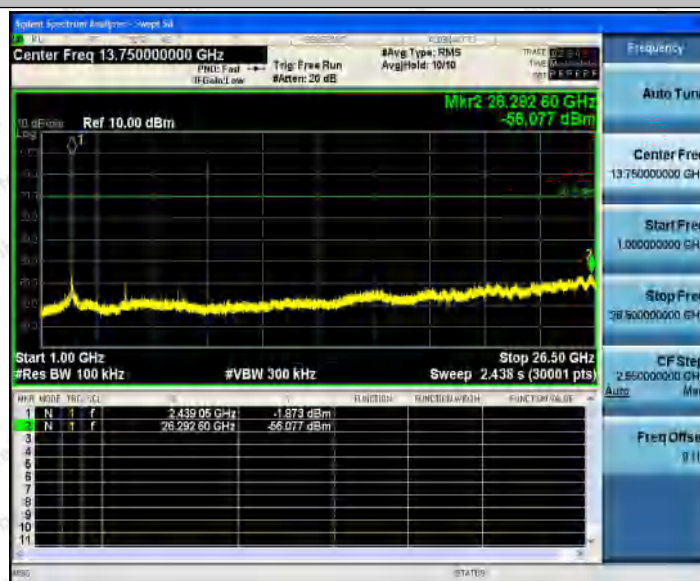
Shenzhen Anbotech Compliance Laboratory Limited

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



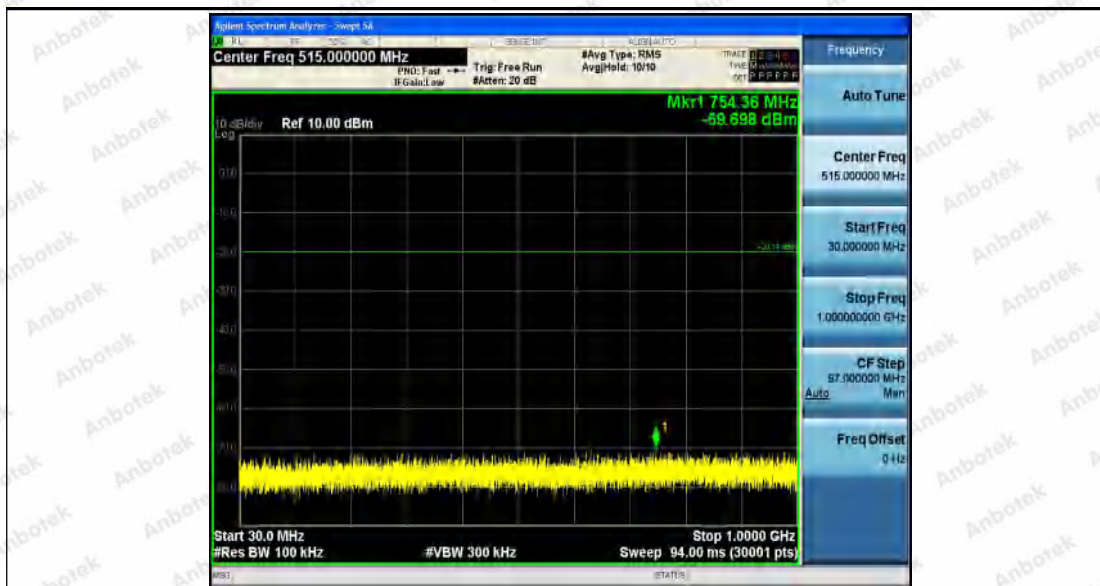
11B_Ant1_2462_30~1000

Shenzhen Anbotech Compliance Laboratory Limited

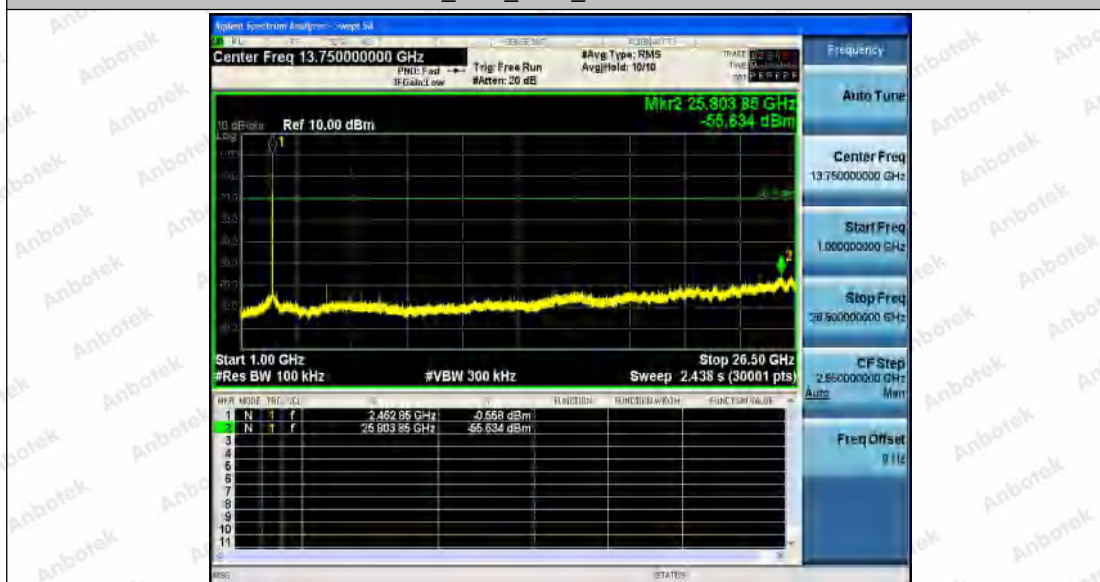
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

Hotline
400-003-0500
www.anbotech.com



11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



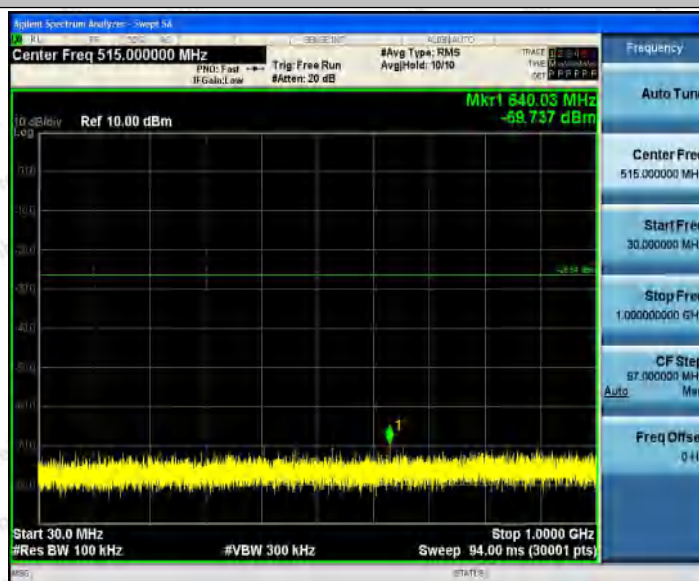
Shenzhen Anbotek Compliance Laboratory Limited

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

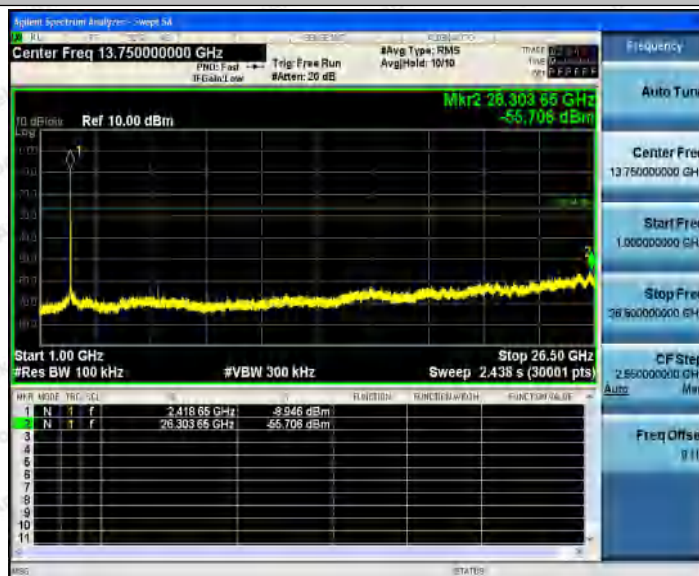
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

11G_Ant1_2412_30~1000



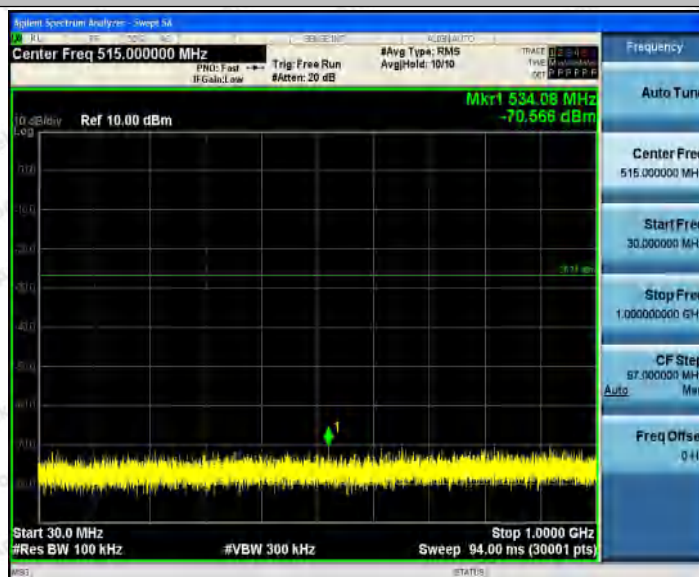
11G_Ant1_2412_1000~26500



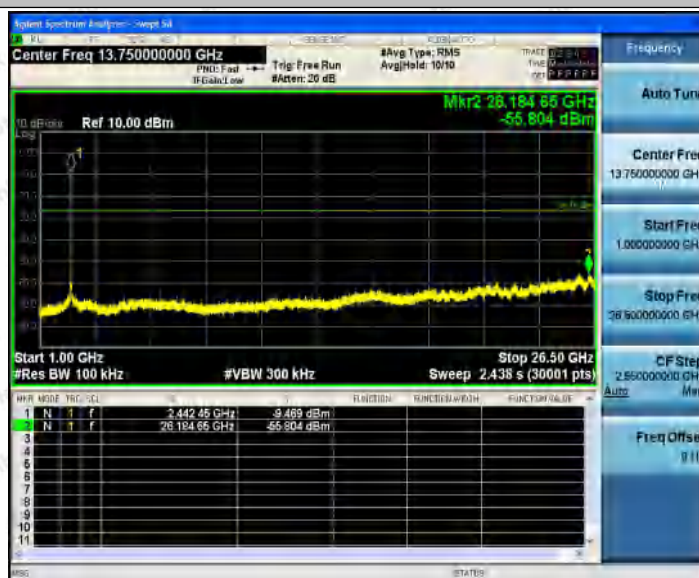
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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.

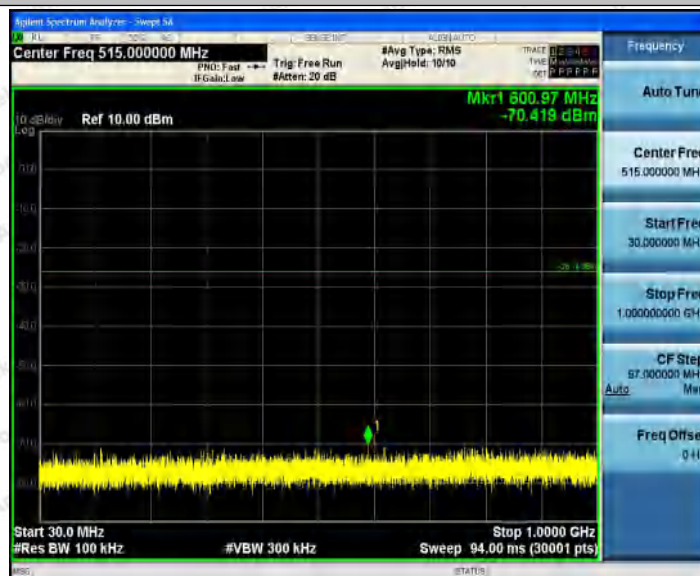
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



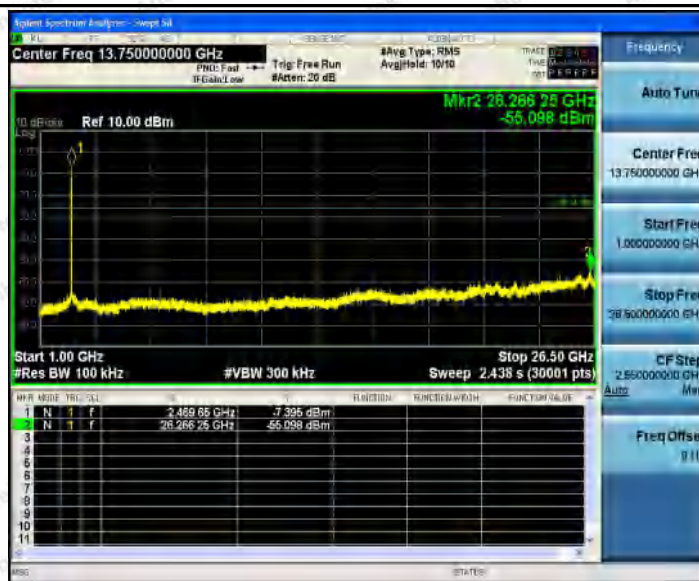
11G_Ant1_2462_1000~26500

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_2412_0~Reference



11N20_Ant1_2412_30~1000



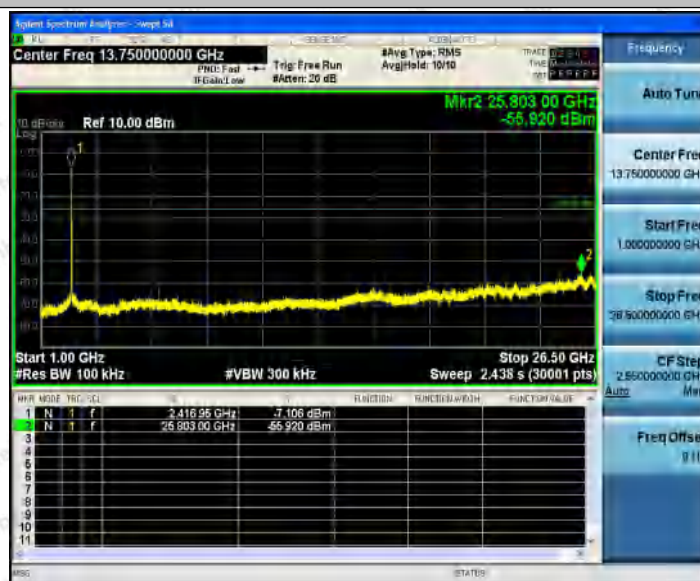
Shenzhen Anbotech Compliance Laboratory Limited

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



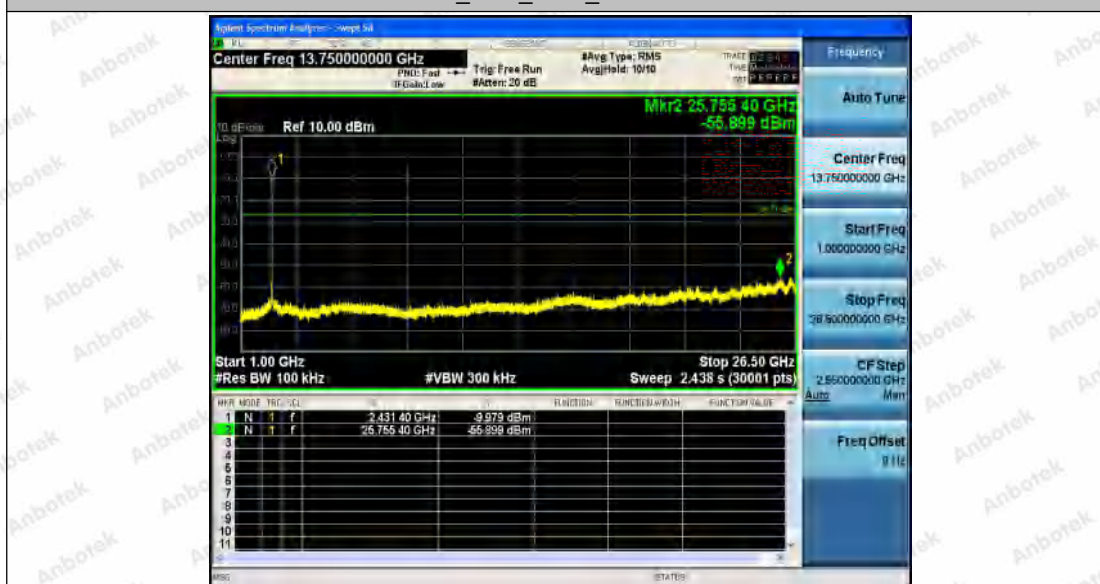
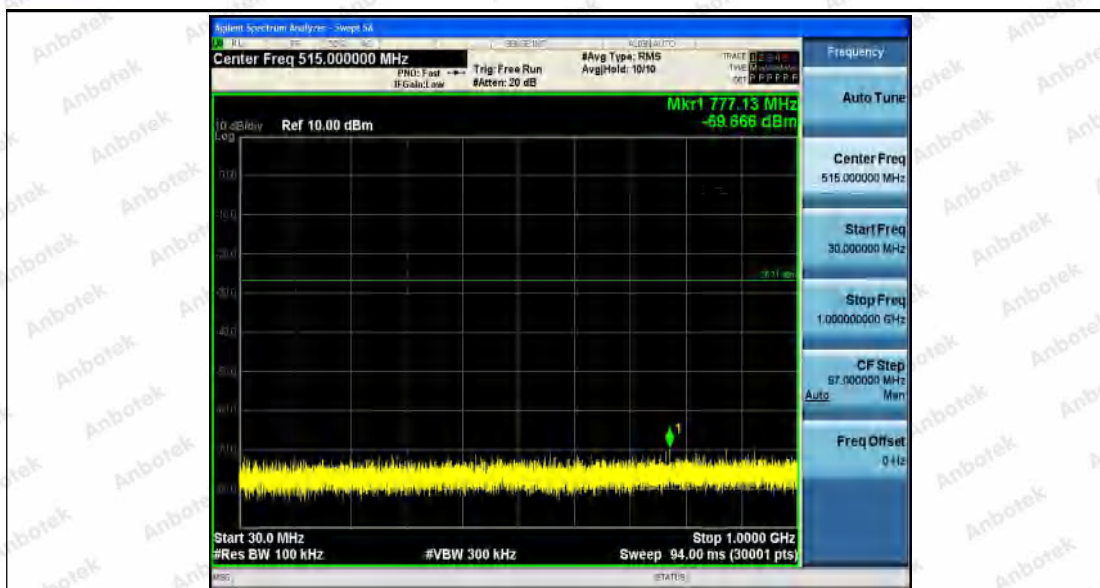
11N20_Ant1_2437_30~1000

Shenzhen 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



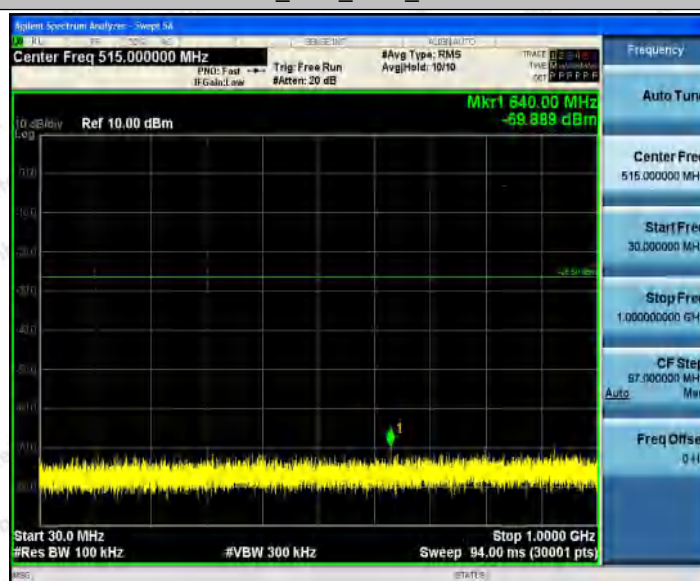
Shenzhen Anbotech Compliance Laboratory Limited

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

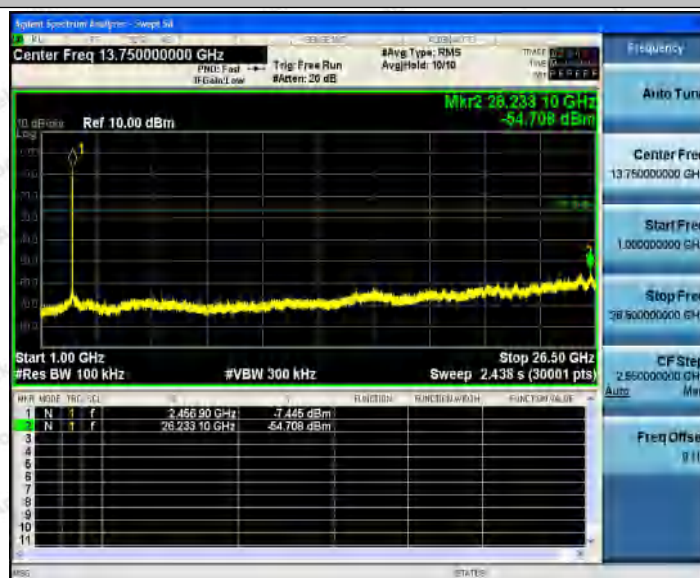
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

11N20_Ant1_2462_30~1000



11N20_Ant1_2462_1000~26500



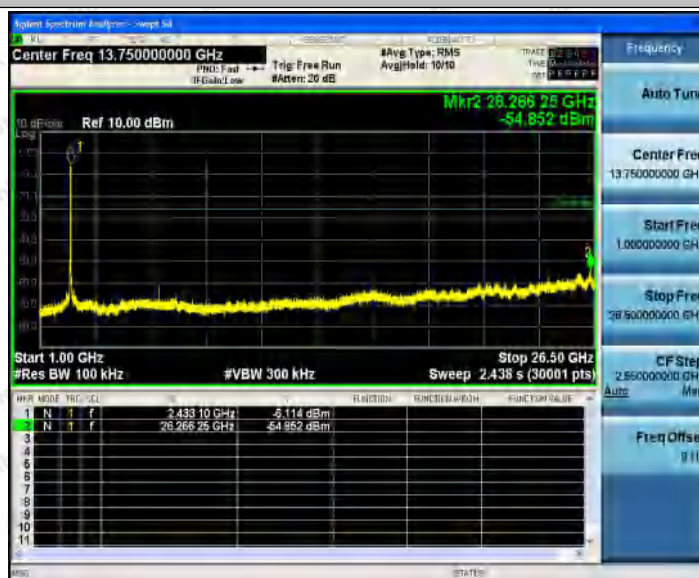
11N40_Ant1_2422_0~Reference



11N40_Ant1_2422_30~1000



11N40_Ant1_2422_1000~26500



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

11N40_Ant1_2437_0~Reference



11N40_Ant1_2437_30~1000



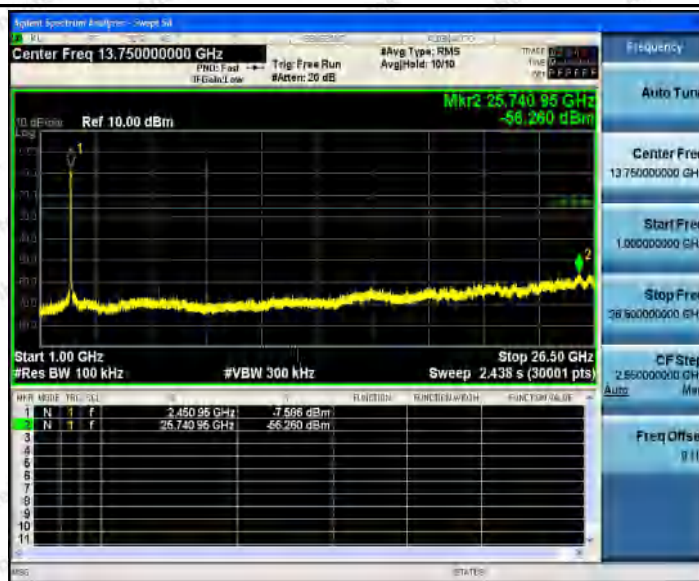
11N40_Ant1_2437_1000~26500

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

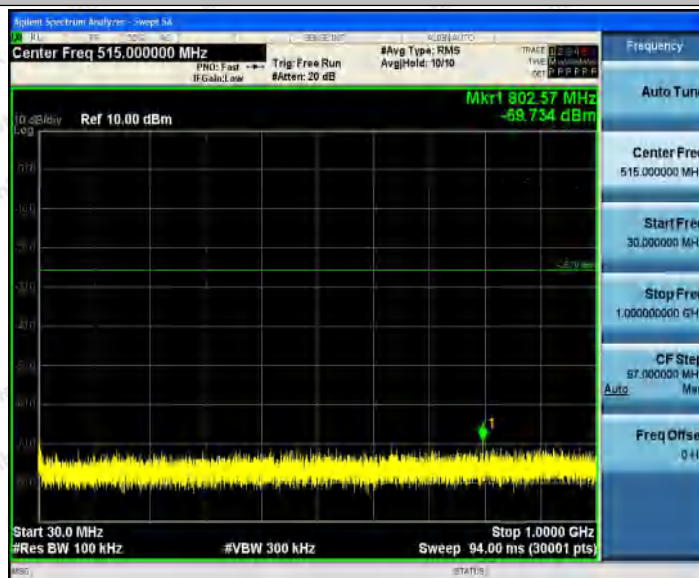
Hotline
400-003-0500
www.anbotek.com



11N40_Ant1_2452_0~Reference



11N40_Ant1_2452_30~1000

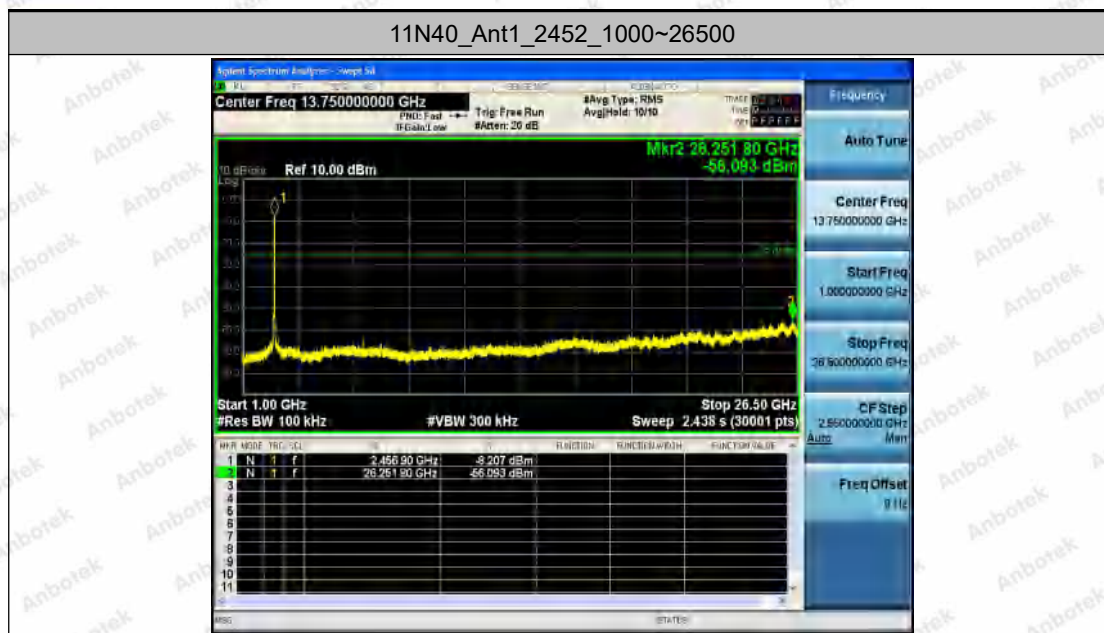


Shenzhen Anbotek Compliance Laboratory Limited

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

Tel: (86) 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

Appendix G: Duty Cycle

Test Result

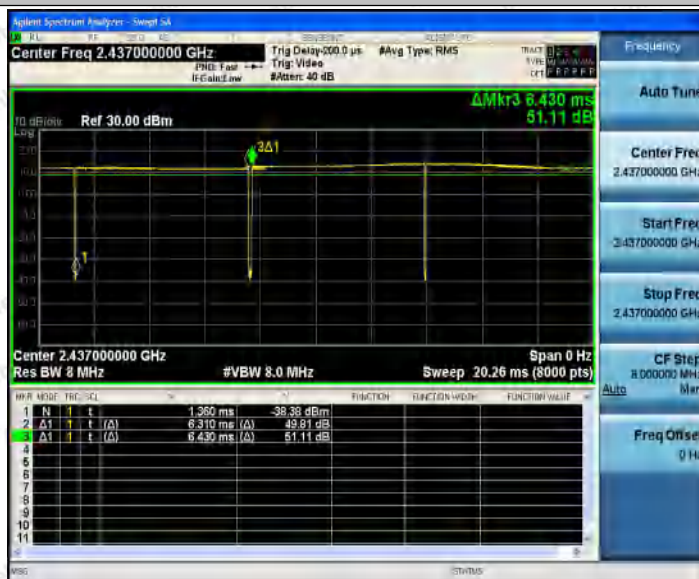
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	6.30	6.39	98.59	---	PASS
		2437	6.31	6.43	98.13	---	PASS
		2462	6.31	6.43	98.13	---	PASS
11G	Ant1	2412	2.06	2.16	95.37	---	PASS
		2437	2.07	2.23	92.83	---	PASS
		2462	2.06	2.13	96.71	---	PASS
11N20	Ant1	2412	1.92	2.09	91.87	---	PASS
		2437	1.92	2.00	96.00	---	PASS
		2462	1.92	2.48	77.42	---	PASS
11N40	Ant1	2422	0.94	1.12	83.93	---	PASS
		2437	0.94	1.12	83.93	---	PASS
		2452	0.94	1.88	50.00	---	PASS

Test Graphs

11B_Ant1_2412



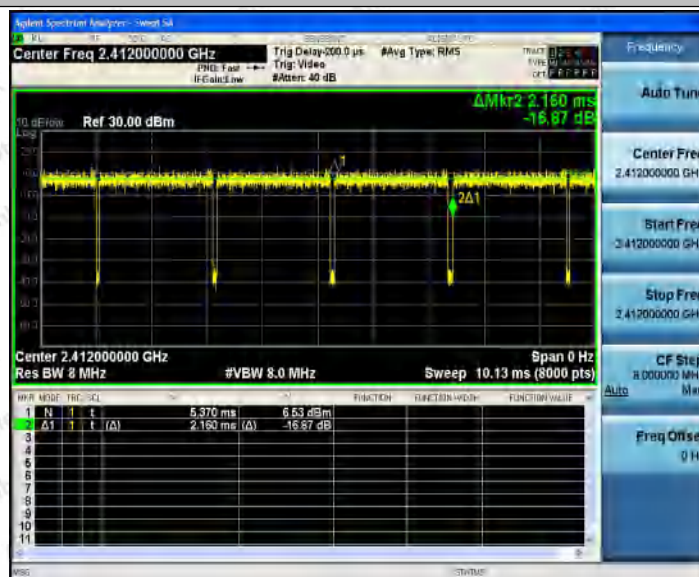
11B_Ant1_2437



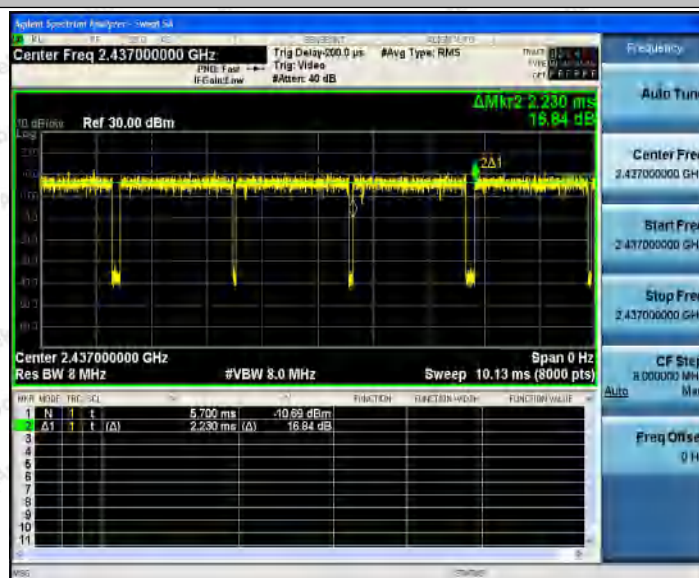
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



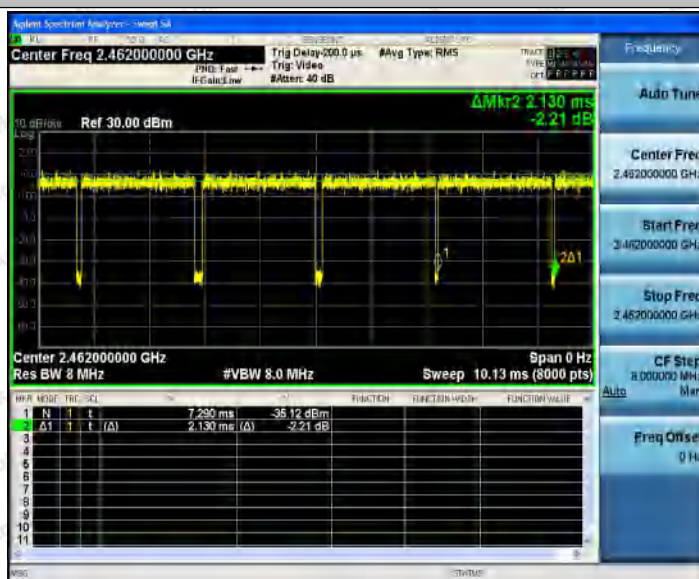
Shenzhen Anbotech Compliance Laboratory Limited

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

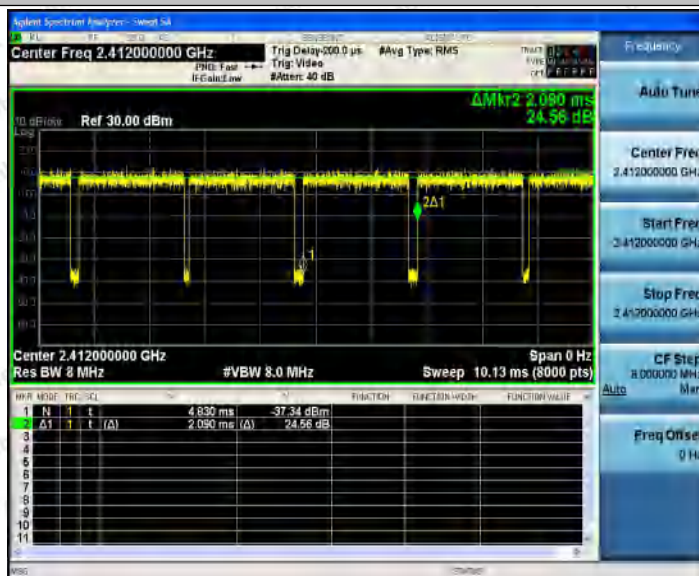
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

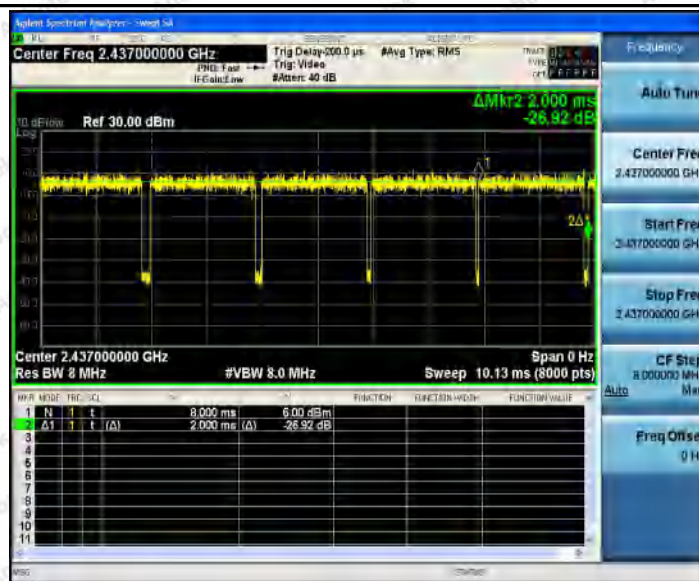
11G_Ant1_2462



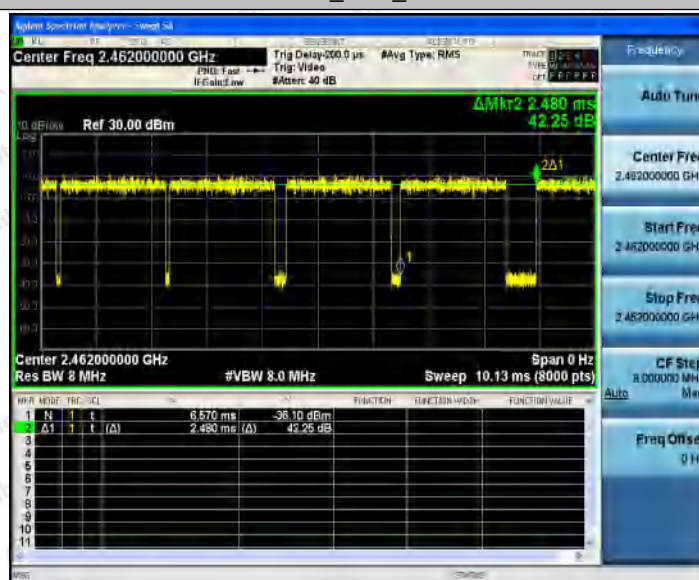
11N20_Ant1_2412



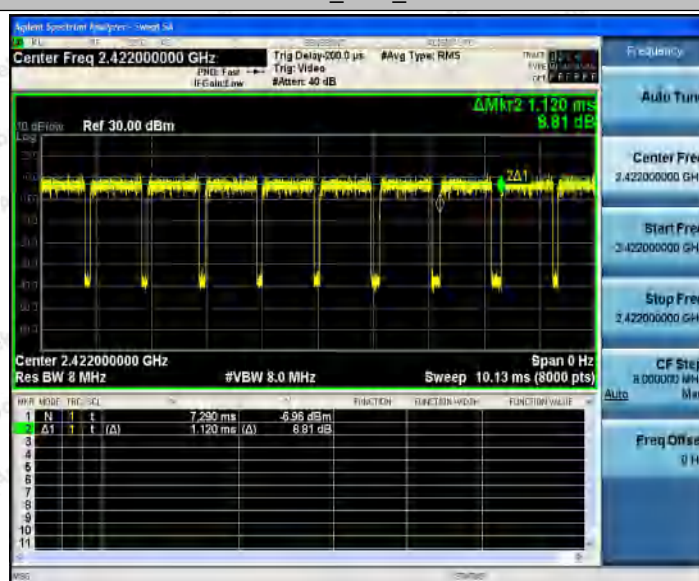
11N20_Ant1_2437



11N20_Ant1_2462



11N40_Ant1_2422



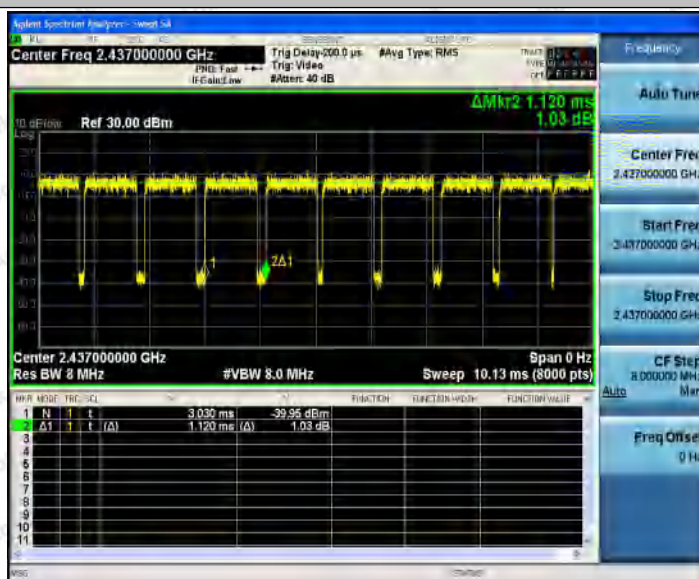
Shenzhen Anbotech Compliance Laboratory Limited

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

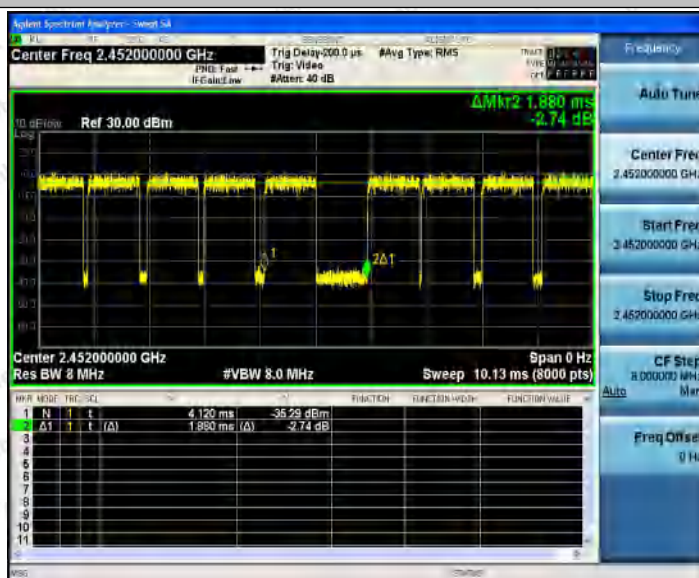
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

11N40_Ant1_2437



11N40_Ant1_2452



---End---