

Appendix Test Data

Report No.:	18220WC20135901	Test Sample No.:	1-2-2
Start Test Date:	2022.6.24	Finish Test Date:	2022.7.13
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	22.9℃	Relative Humidity:	53.7 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.888	2401.547	2402.435	---	PASS
		2441	0.888	2440.544	2441.432	---	PASS
		2480	0.891	2479.544	2480.435	---	PASS
2DH5	Ant1	2402	1.290	2401.367	2402.657	---	PASS
		2441	1.290	2440.352	2441.642	---	PASS
		2480	1.314	2479.346	2480.660	---	PASS
3DH5	Ant1	2402	1.293	2401.358	2402.651	---	PASS
		2441	1.275	2440.361	2441.636	---	PASS
		2480	1.272	2479.370	2480.642	---	PASS

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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



2DH5_Ant1_2402



2DH5_Ant1_2441



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

2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



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
DH5	Ant1	2402	0.83376	2401.58 5	2402.419	---	PASS
		2441	0.83572	2440.58 3	2441.418	---	PASS
		2480	0.83912	2479.58 0	2480.419	---	PASS
2DH5	Ant1	2402	1.1621	2401.41 9	2402.581	---	PASS
		2441	1.1703	2440.41 8	2441.589	---	PASS
		2480	1.1665	2479.41 8	2480.584	---	PASS
3DH5	Ant1	2402	1.1663	2401.42 5	2402.591	---	PASS
		2441	1.1660	2440.42 0	2441.586	---	PASS
		2480	1.1623	2479.42 5	2480.588	---	PASS

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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 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

2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

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 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

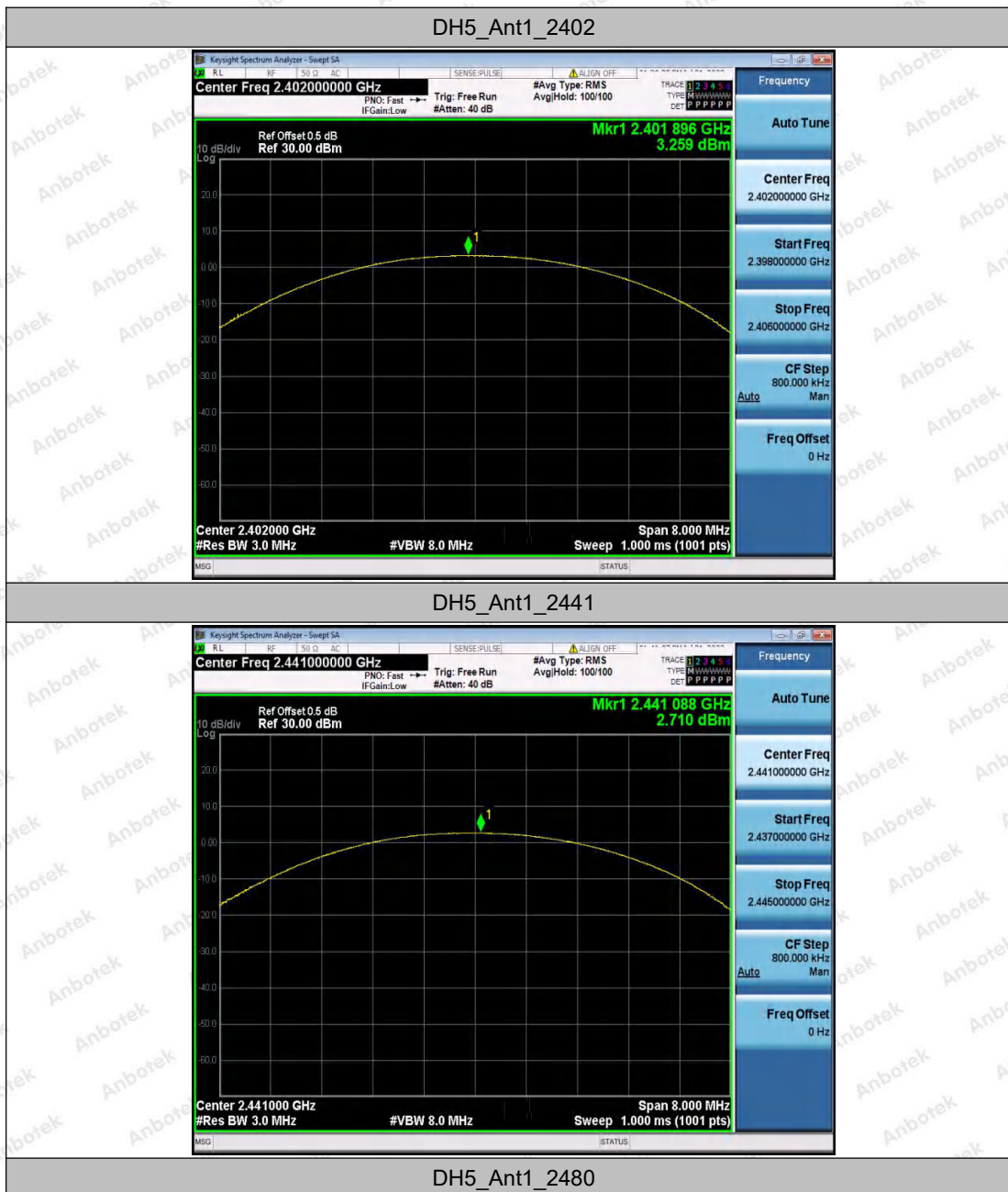
Hotline
400-003-0500
www.anbotek.com

Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.26	≤20.97	PASS
		2441	2.71	≤20.97	PASS
		2480	3.32	≤20.97	PASS
2DH5	Ant1	2402	3.91	≤20.97	PASS
		2441	3.36	≤20.97	PASS
		2480	4.05	≤20.97	PASS
3DH5	Ant1	2402	4.5	≤20.97	PASS
		2441	4	≤20.97	PASS
		2480	4.52	≤20.97	PASS

Test Graphs

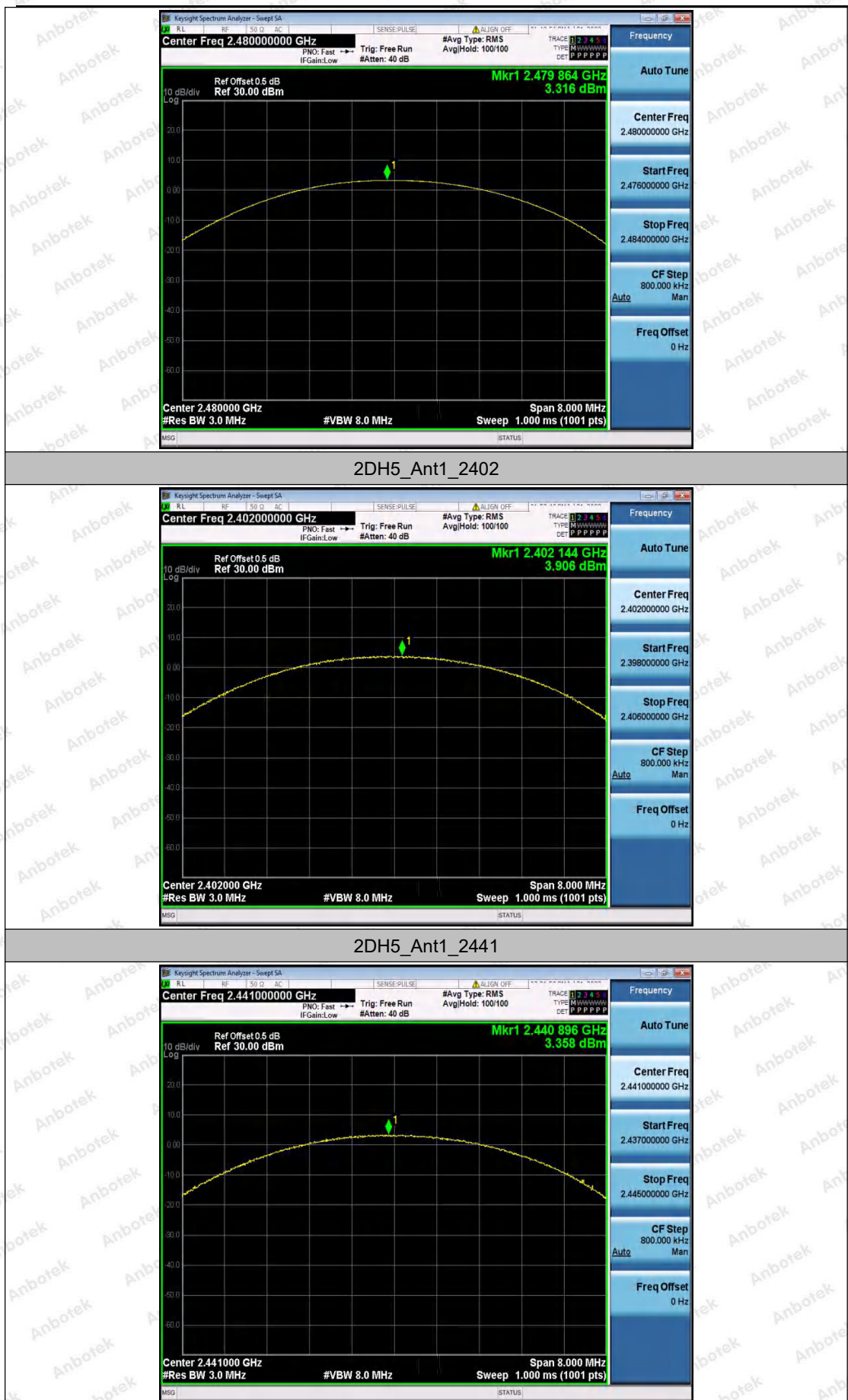


Shenzhen Anbotek Compliance Laboratory Limited

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

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

Hotline
 400-003-0500
www.anbotek.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 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 D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.966	≥ 0.891	PASS
2DH5	Ant1	Hop	1.012	≥ 0.876	PASS
3DH5	Ant1	Hop	0.904	≥ 0.862	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.

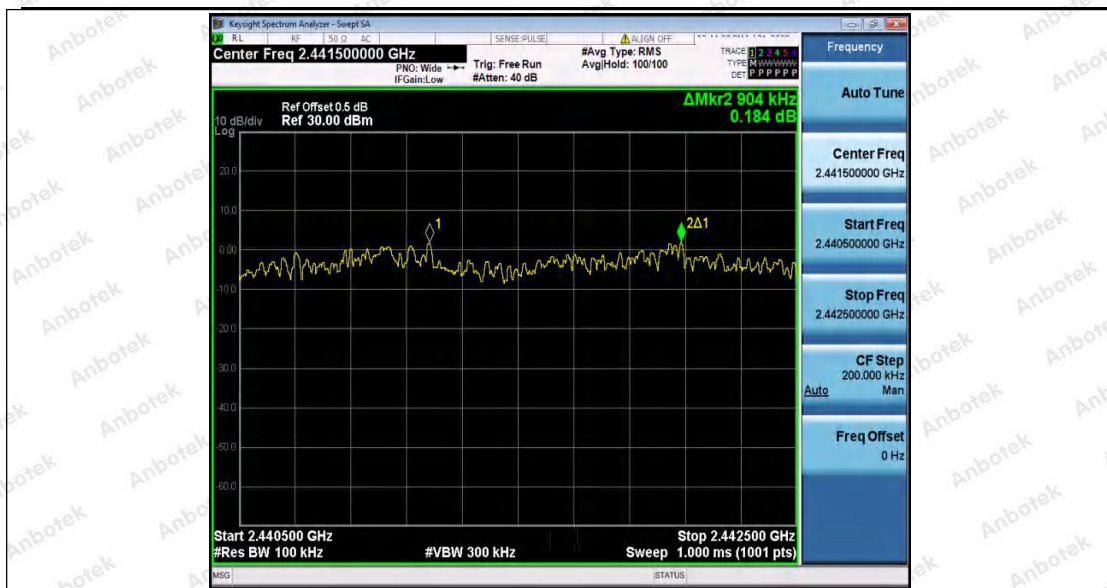
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com



Hotline

400-003-0500

www.anbotech.com



Shenzhen 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

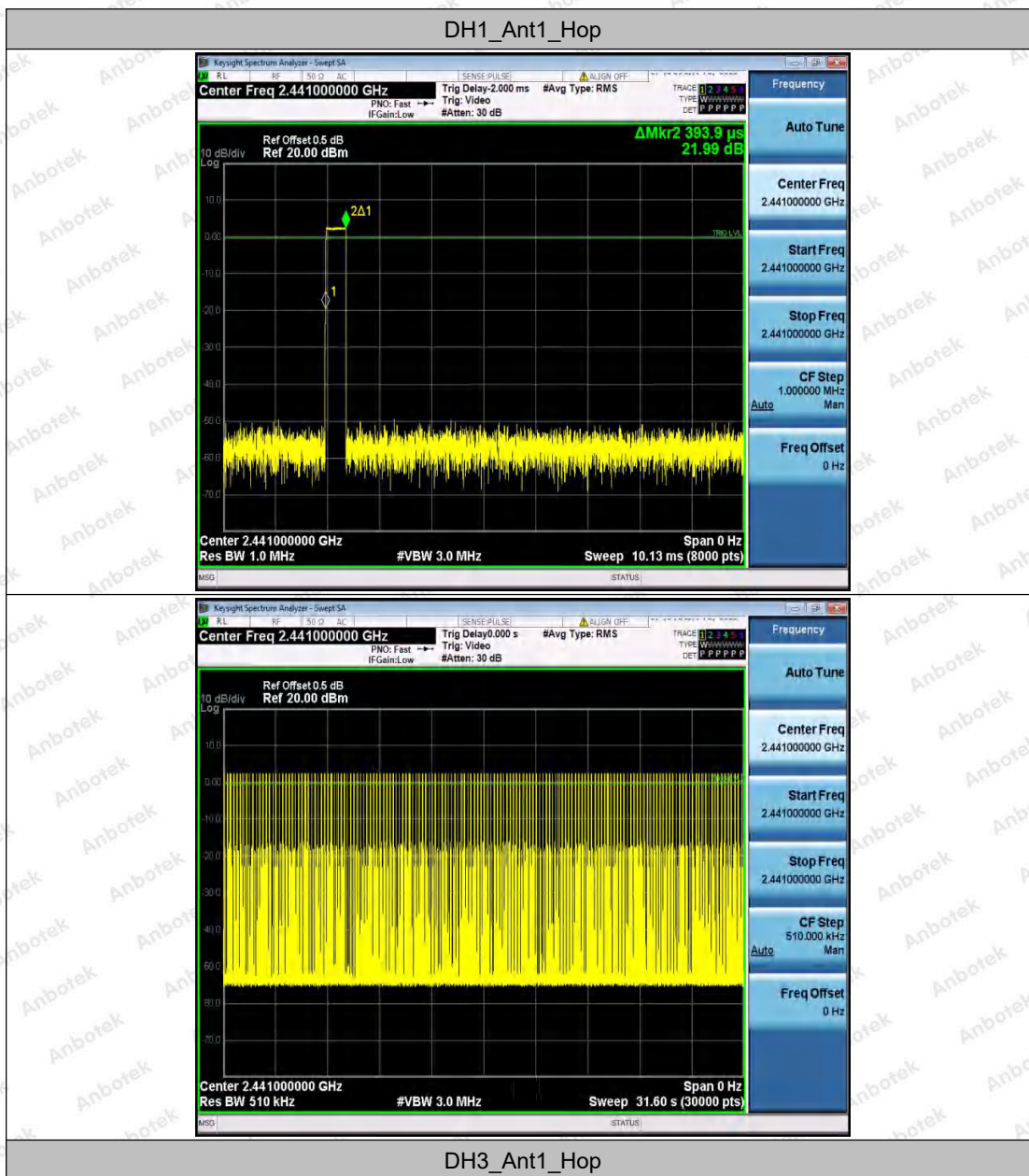
www.anbotek.com

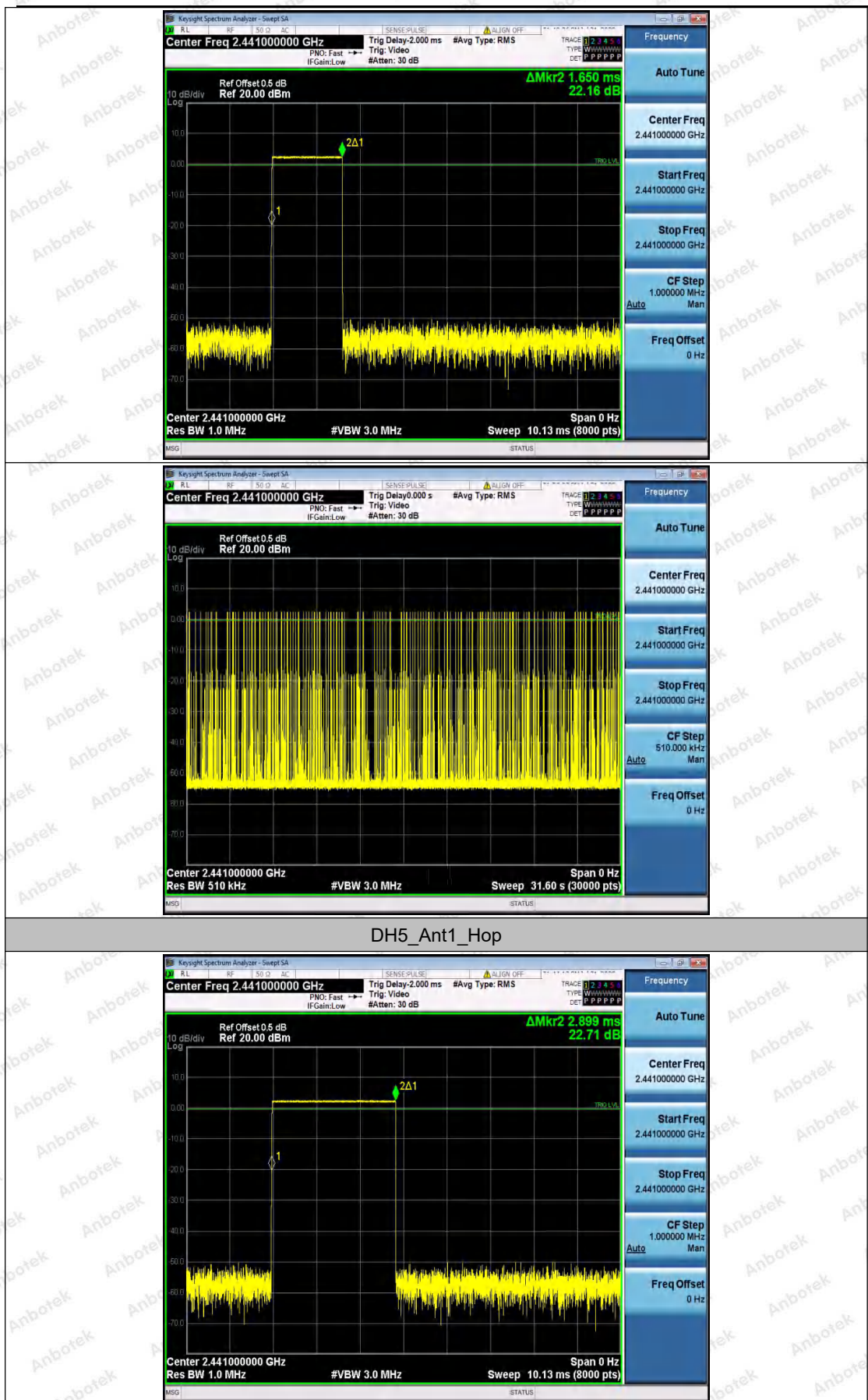
Appendix E: Time of occupancy

Test Result

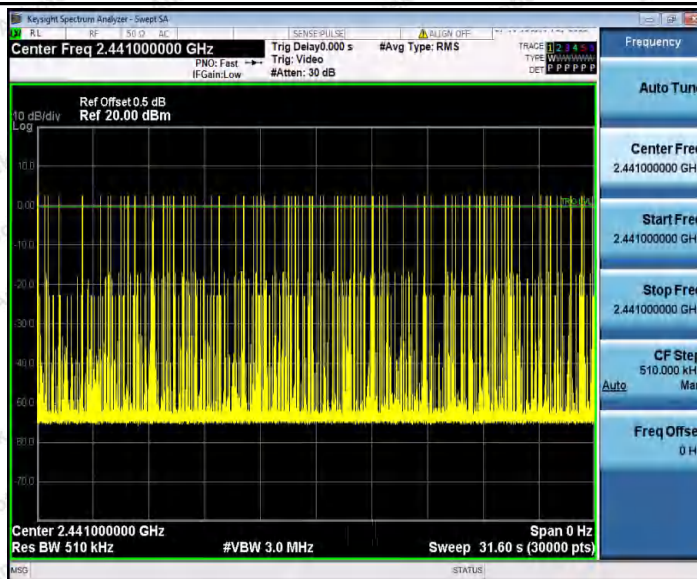
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.39	312	0.123	≤0.4	PASS
DH3	Ant1	Hop	1.65	160	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.90	110	0.319	≤0.4	PASS
2DH1	Ant1	Hop	0.40	313	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.66	159	0.263	≤0.4	PASS
2DH5	Ant1	Hop	2.91	105	0.305	≤0.4	PASS
3DH1	Ant1	Hop	0.41	313	0.127	≤0.4	PASS
3DH3	Ant1	Hop	1.66	159	0.263	≤0.4	PASS
3DH5	Ant1	Hop	2.91	113	0.328	≤0.4	PASS

Test Graphs

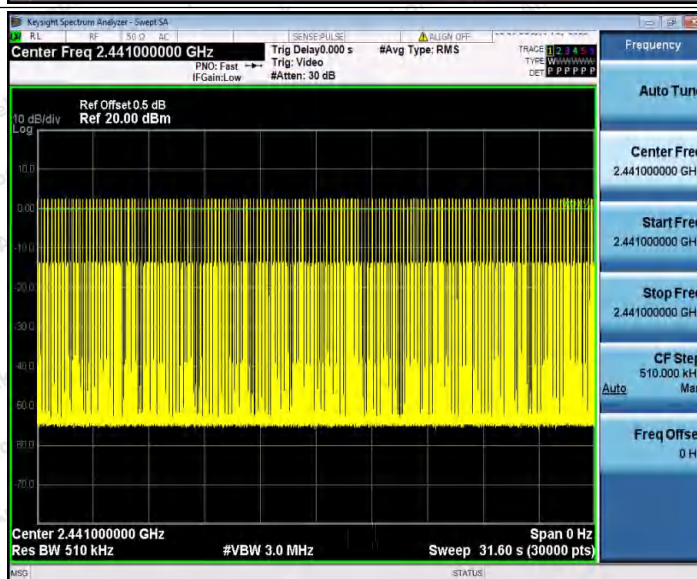
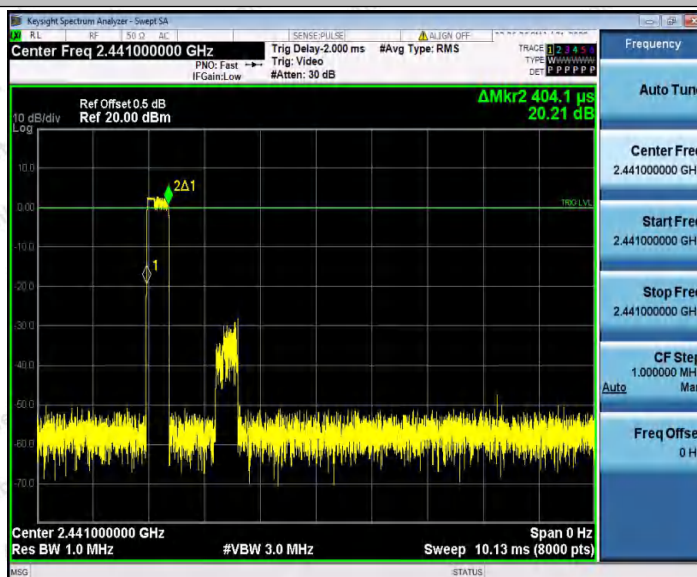




DH5_Ant1_Hop



2DH1_Ant1_Hop



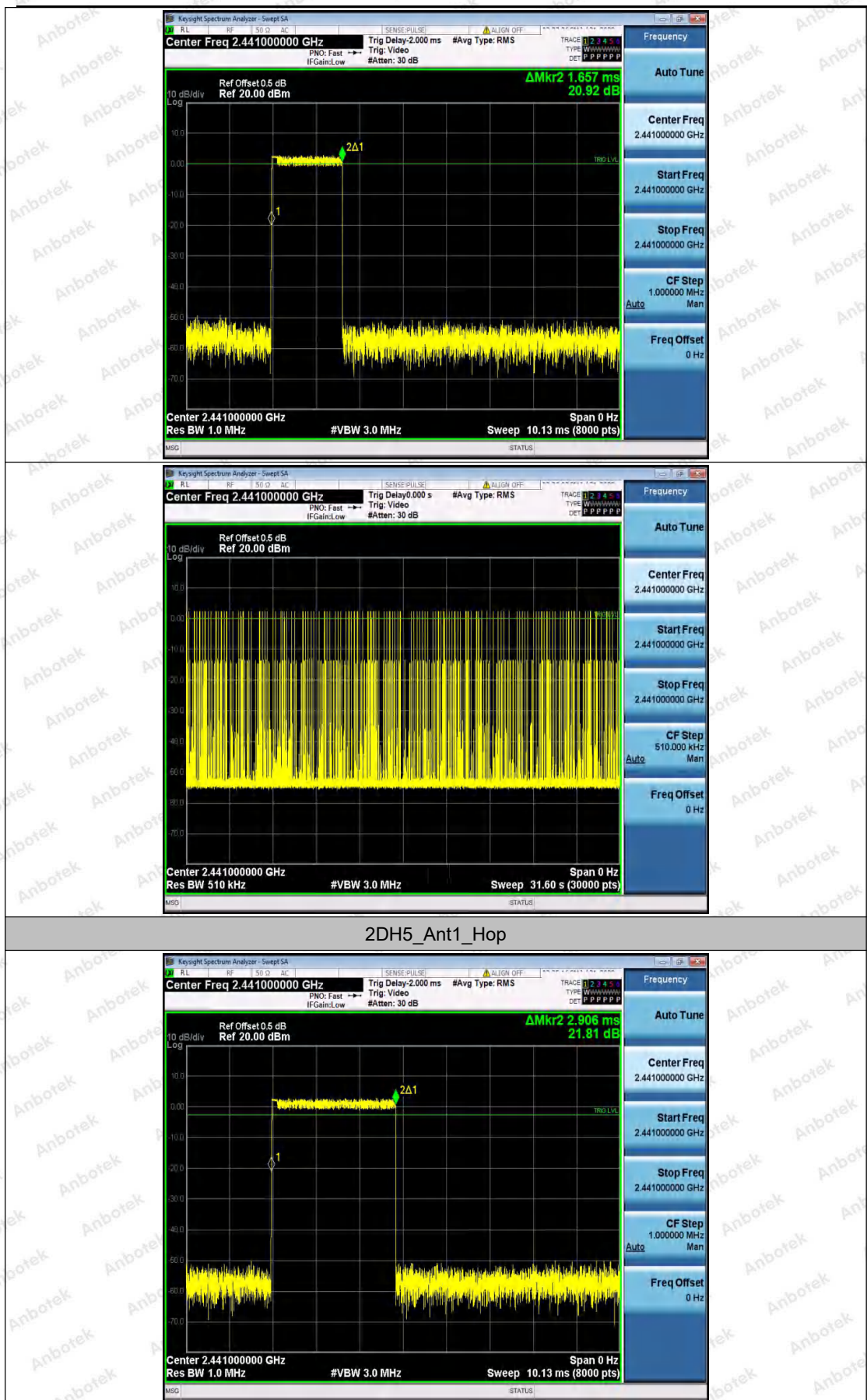
2DH3_Ant1_Hop

Shenzhen Anbotech Compliance Laboratory Limited

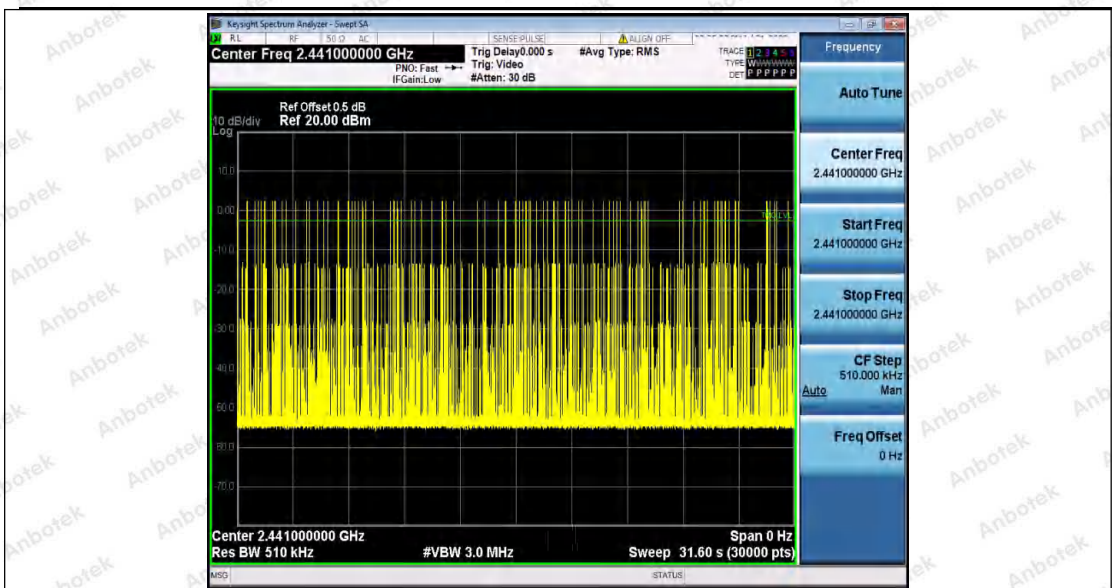
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

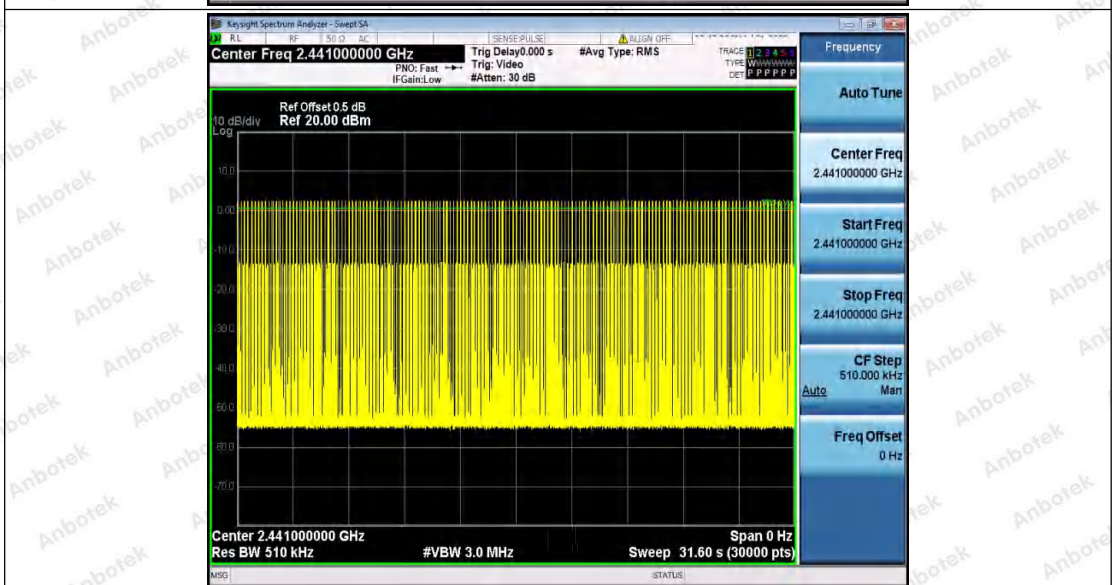
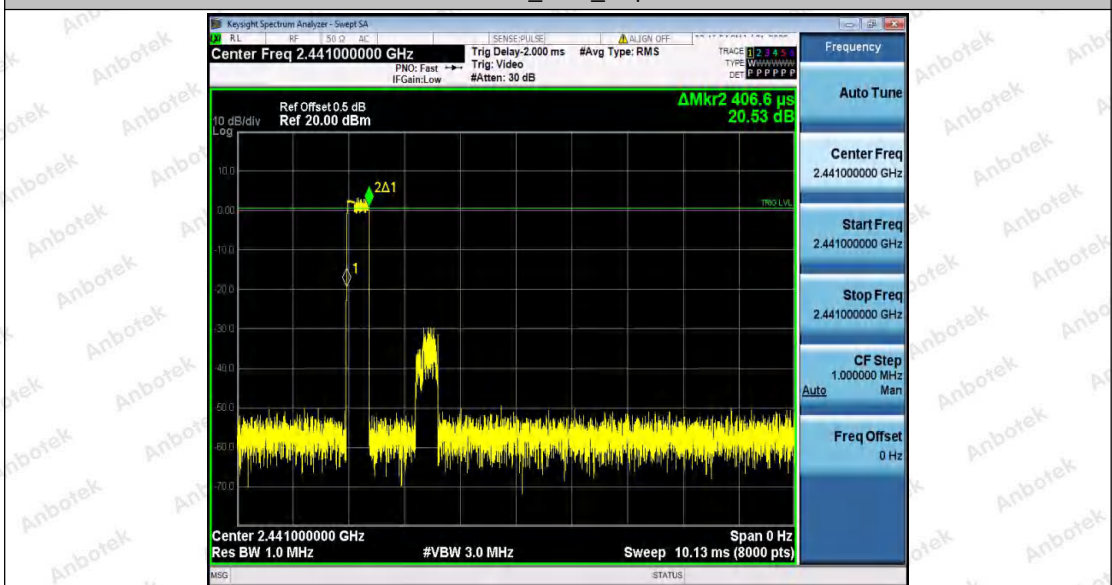
Hotline
 400-003-0500
 www.anbotech.com



2DH5_Ant1_Hop



3DH1_Ant1_Hop



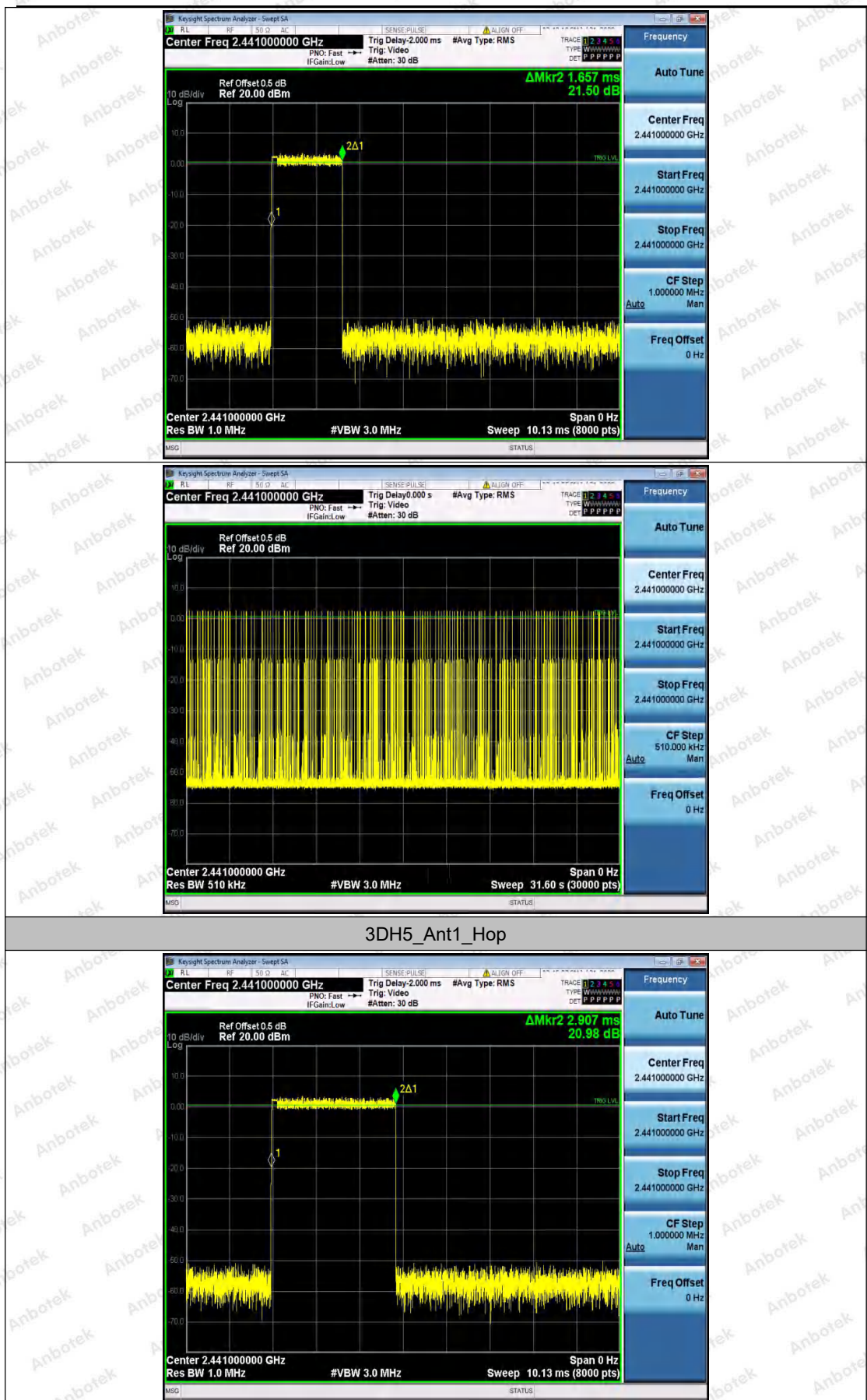
3DH3_Ant1_Hop

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

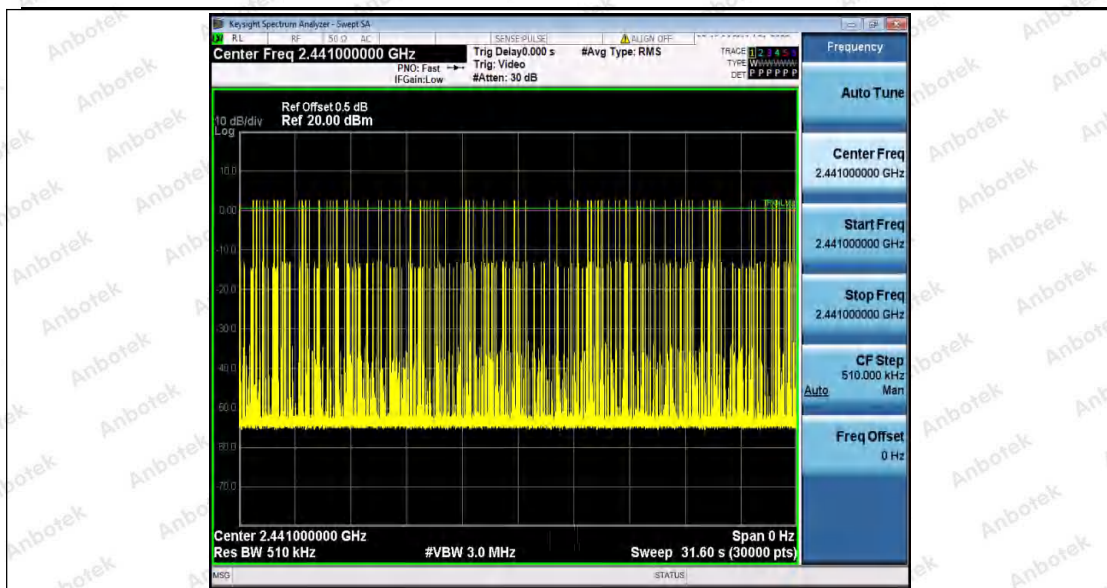


Shenzhen Anbotek Compliance Laboratory Limited

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 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

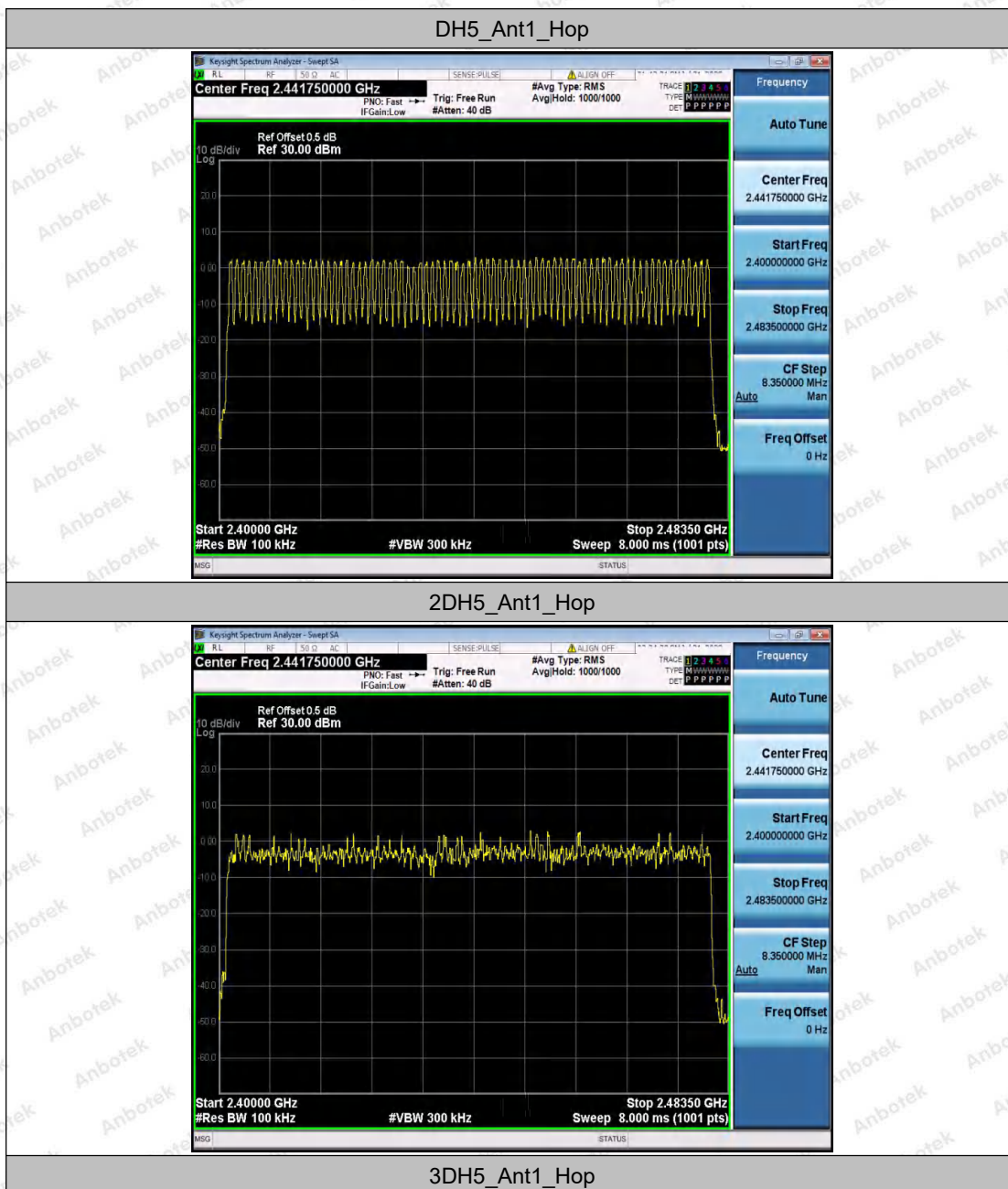
www.anbotek.com

Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

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

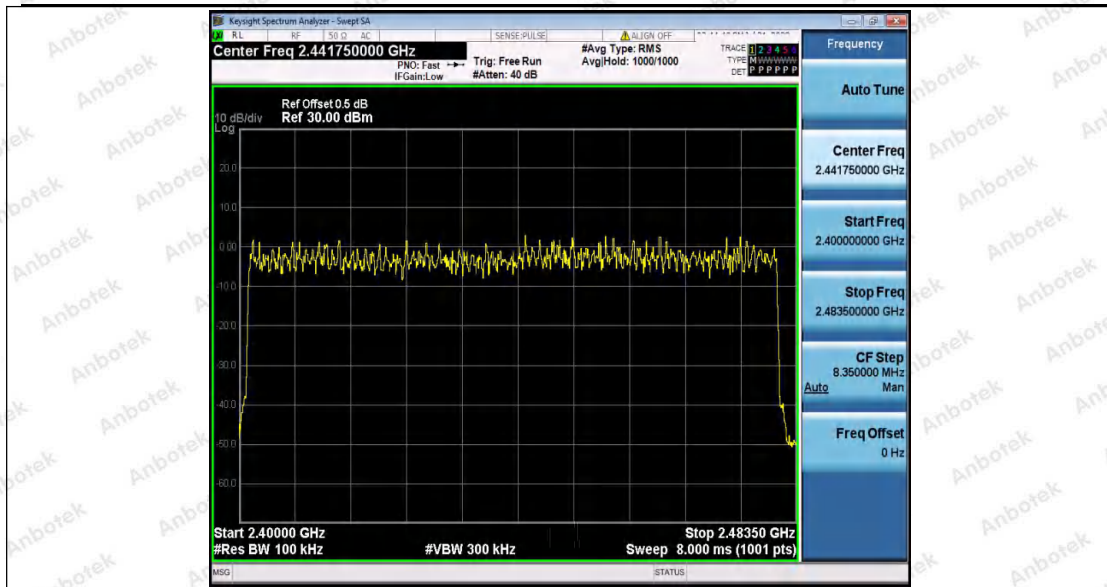
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Hotline

400-003-0500

www.anbotek.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

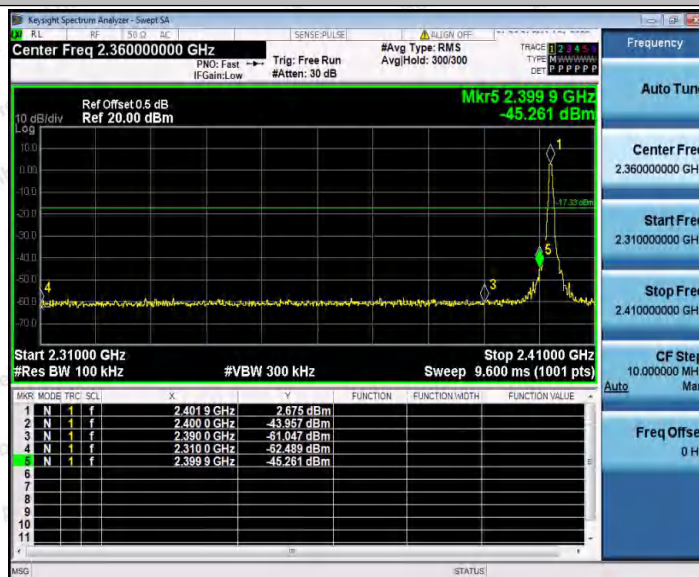
Appendix G: Band edge measurements

Test Result

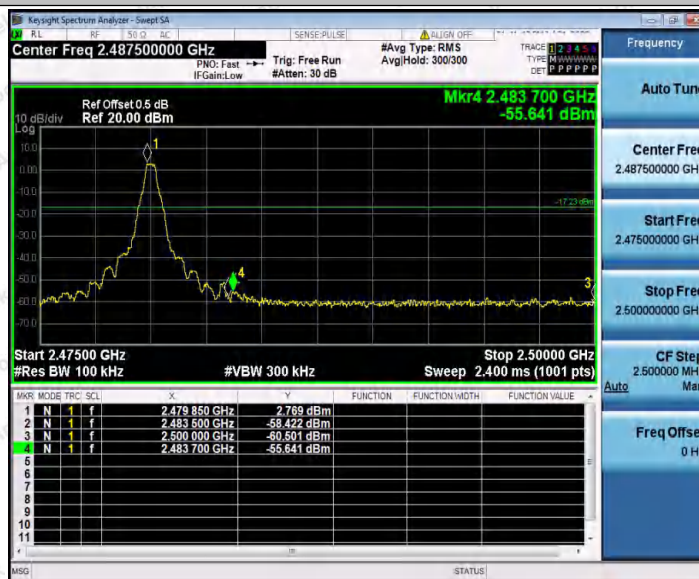
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.68	-45.26	≤-17.33	PASS
		High	2480	2.77	-55.64	≤-17.23	PASS
		Low	Hop	1.98	-58.51	≤-18.02	PASS
		High	Hop	2.63	-60.41	≤-17.37	PASS
2DH5	Ant1	Low	2402	2.34	-43.2	≤-17.66	PASS
		High	2480	2.25	-51.8	≤-17.75	PASS
		Low	Hop	2.77	-57.34	≤-17.23	PASS
		High	Hop	-0.57	-60.72	≤-20.57	PASS
3DH5	Ant1	Low	2402	2.83	-48.01	≤-17.18	PASS
		High	2480	2.31	-55.58	≤-17.69	PASS
		Low	Hop	2.13	-57.14	≤-17.87	PASS
		High	Hop	1.71	-58.75	≤-18.29	PASS

Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



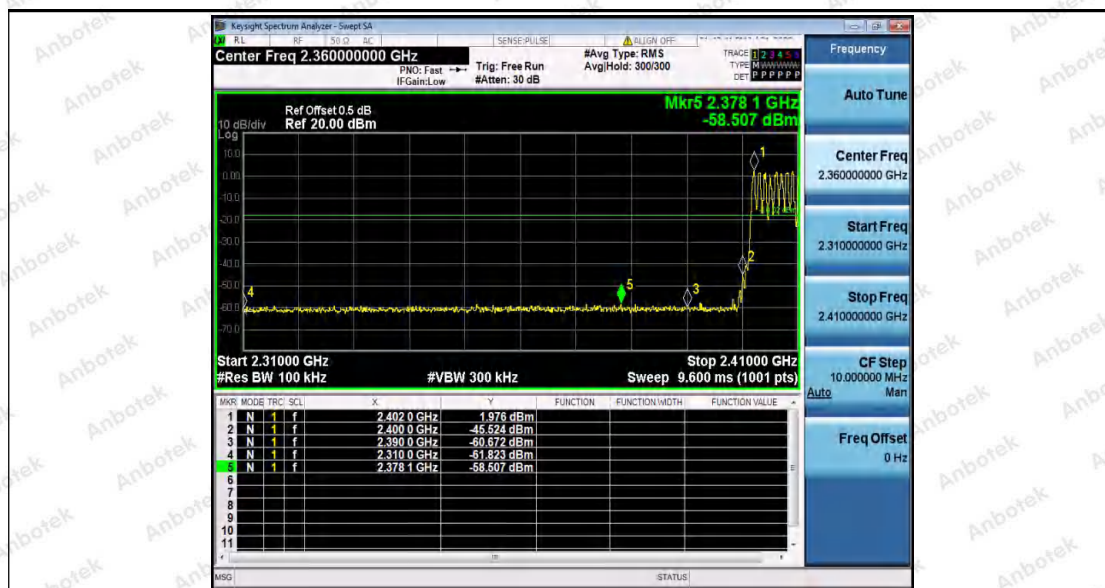
DH5_Ant1_Low_Hop

Shenzhen Anbotek Compliance Laboratory Limited

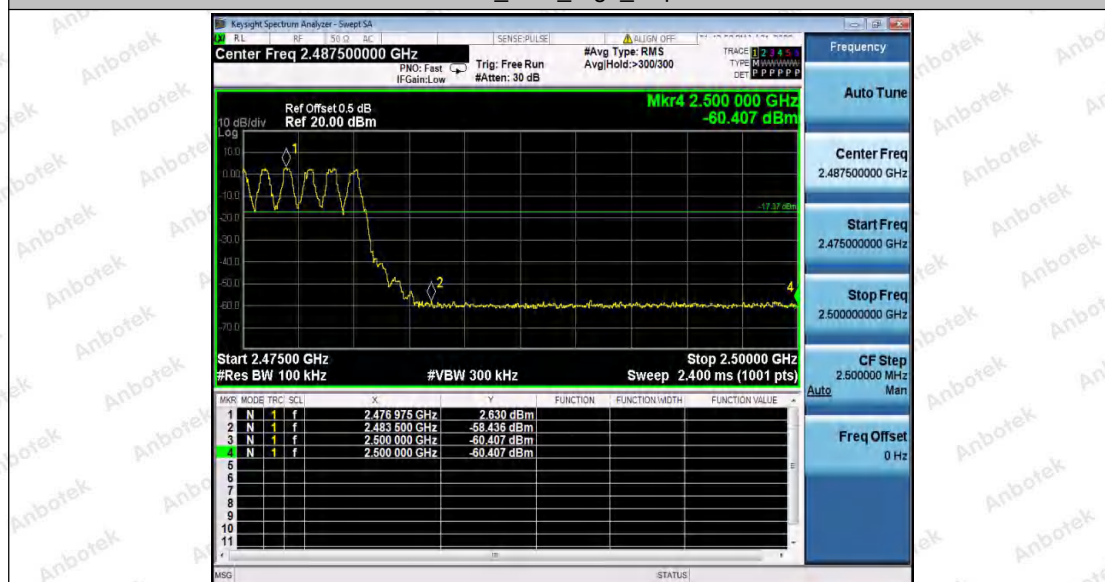
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

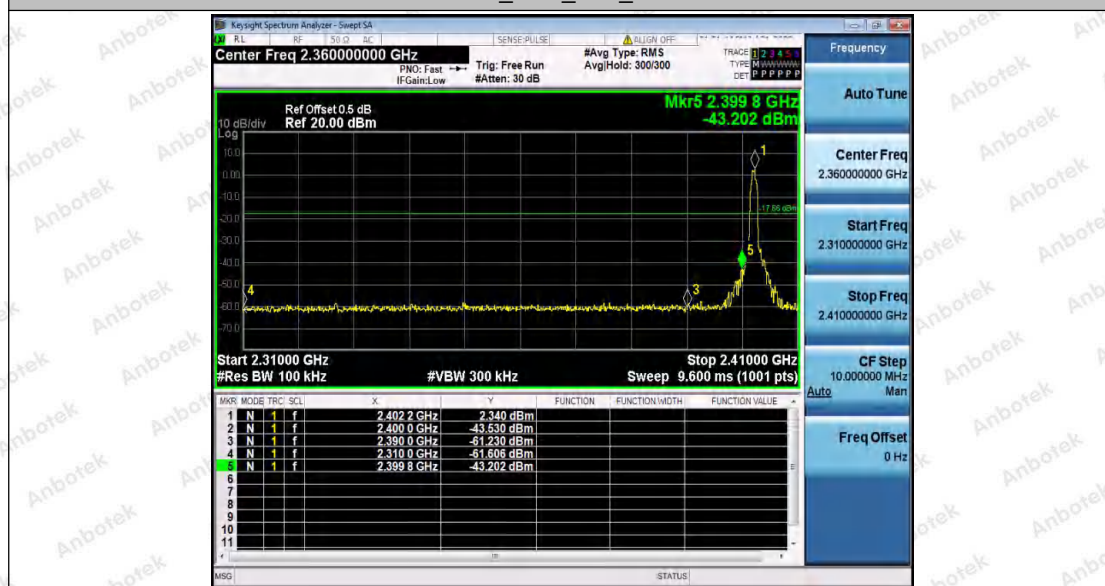
Hotline
400-003-0500
www.anbotek.com



DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



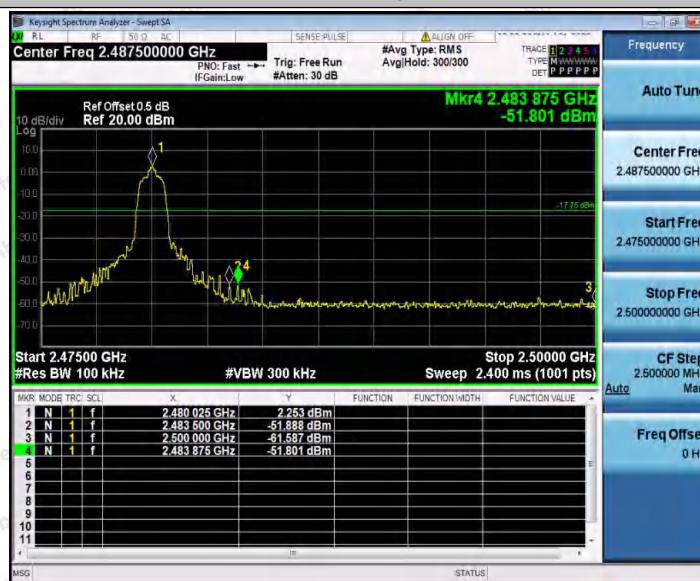
Shenzhen Anbotek Compliance Laboratory Limited

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

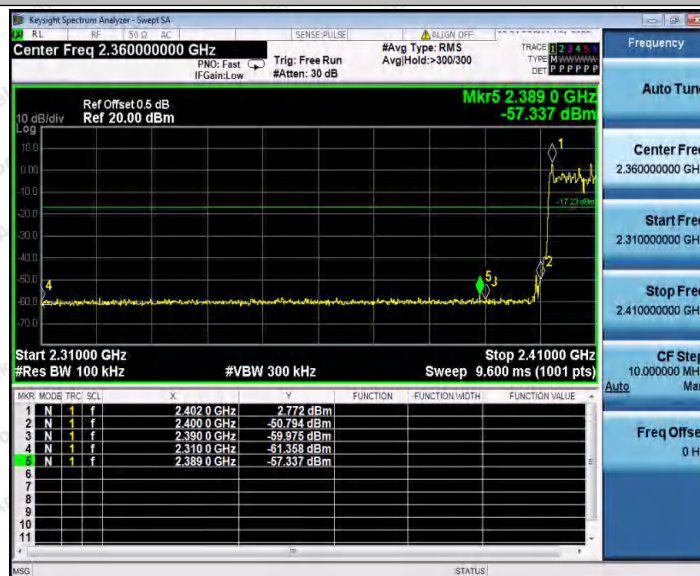
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



2DH5_Ant1_High_Hop

Shenzhen Anbotech Compliance Laboratory Limited

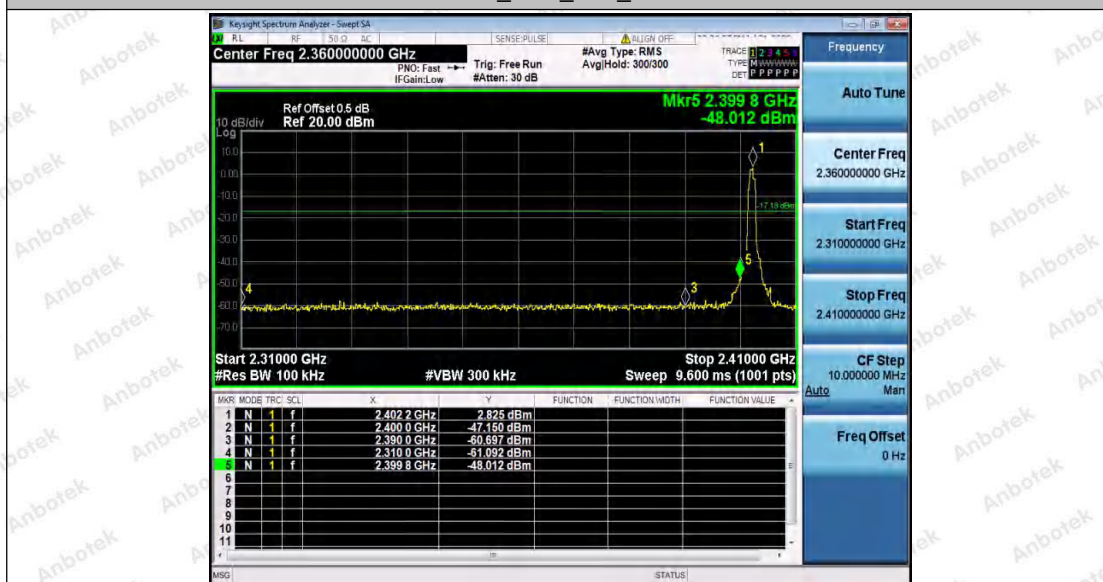
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

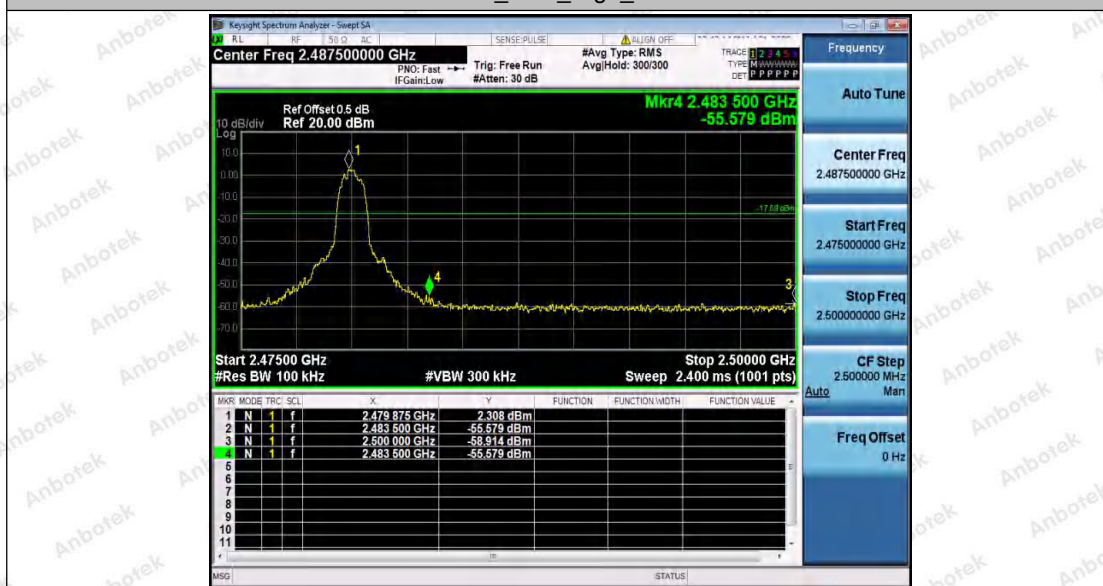
Hotline
400-003-0500
www.anbotech.com



3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



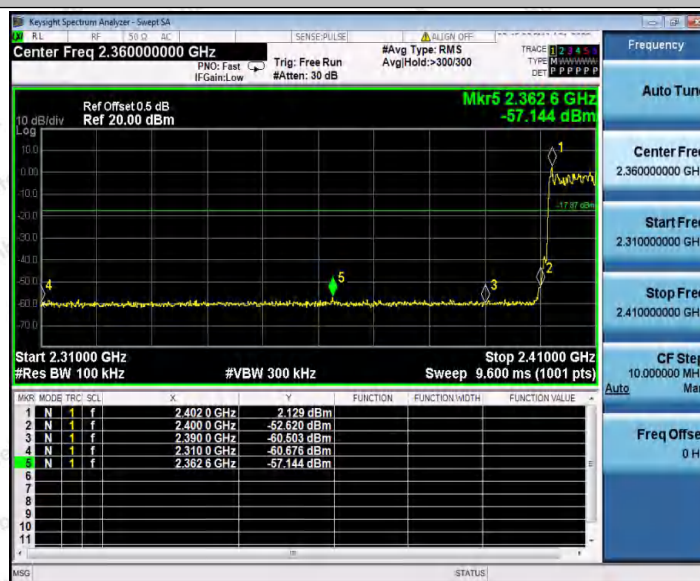
Shenzhen Anbotek Compliance Laboratory Limited

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

3DH5_Ant1_Low_Hop



3DH5_Ant1_High_Hop



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 H: Conducted Spurious Emission

Test Result

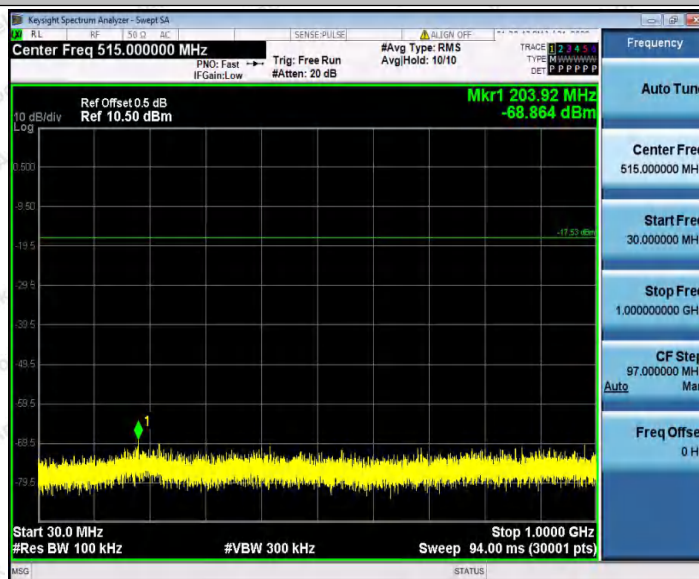
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.47	2.47	---	PASS
			30~1000	2.47	-68.86	≤-17.53	PASS
			1000~26500	2.47	-42	≤-17.53	PASS
		2441	Reference	1.78	1.78	---	PASS
			30~1000	1.78	-69.87	≤-18.22	PASS
			1000~26500	1.78	-41.72	≤-18.22	PASS
		2480	Reference	2.27	2.27	---	PASS
			30~1000	2.27	-68.68	≤-17.73	PASS
			1000~26500	2.27	-40.37	≤-17.73	PASS
2DH5	Ant1	2402	Reference	2.17	2.17	---	PASS
			30~1000	2.17	-68.74	≤-17.83	PASS
			1000~26500	2.17	-47.79	≤-17.83	PASS
		2441	Reference	2.07	2.07	---	PASS
			30~1000	2.07	-69.33	≤-17.93	PASS
			1000~26500	2.07	-48.8	≤-17.93	PASS
		2480	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-70.08	≤-17.21	PASS
			1000~26500	2.80	-44.74	≤-17.21	PASS
3DH5	Ant1	2402	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-69.51	≤-17.92	PASS
			1000~26500	2.08	-45.89	≤-17.92	PASS
		2441	Reference	0.94	0.94	---	PASS
			30~1000	0.94	-68.96	≤-19.06	PASS
			1000~26500	0.94	-46.77	≤-19.06	PASS
		2480	Reference	2.16	2.16	---	PASS
			30~1000	2.16	-70.21	≤-17.84	PASS
			1000~26500	2.16	-42.92	≤-17.84	PASS

Test Graphs

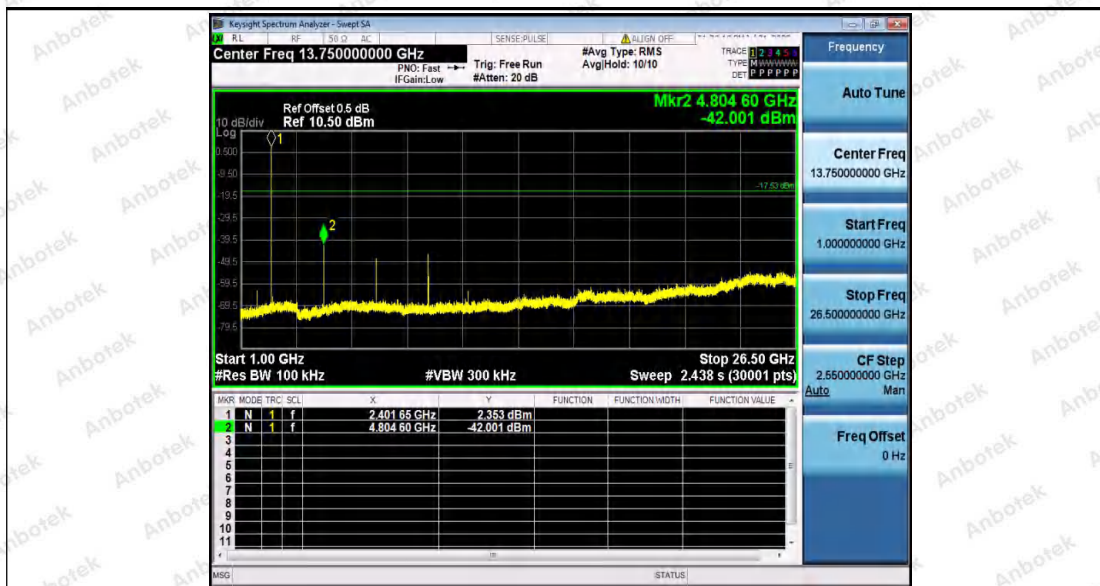
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



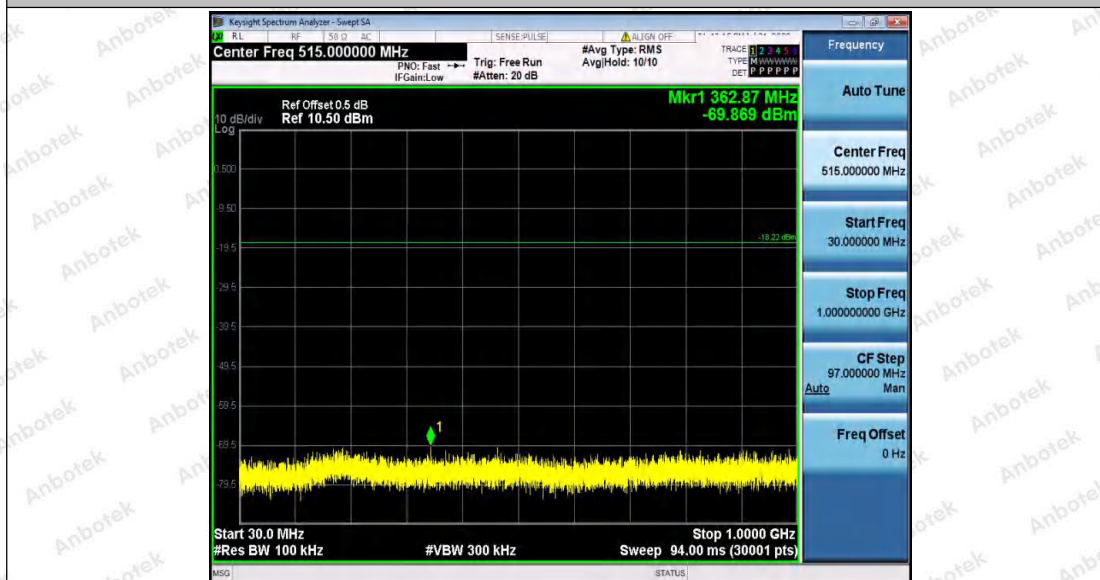
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



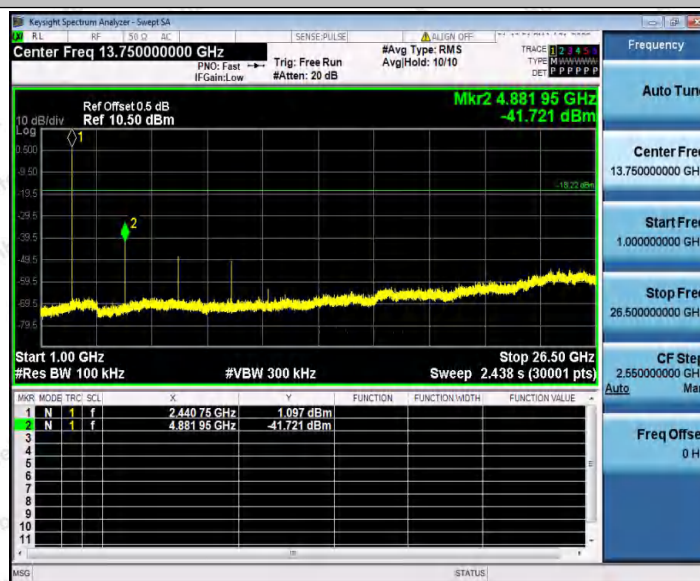
Shenzhen Anbotek Compliance Laboratory Limited

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

DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



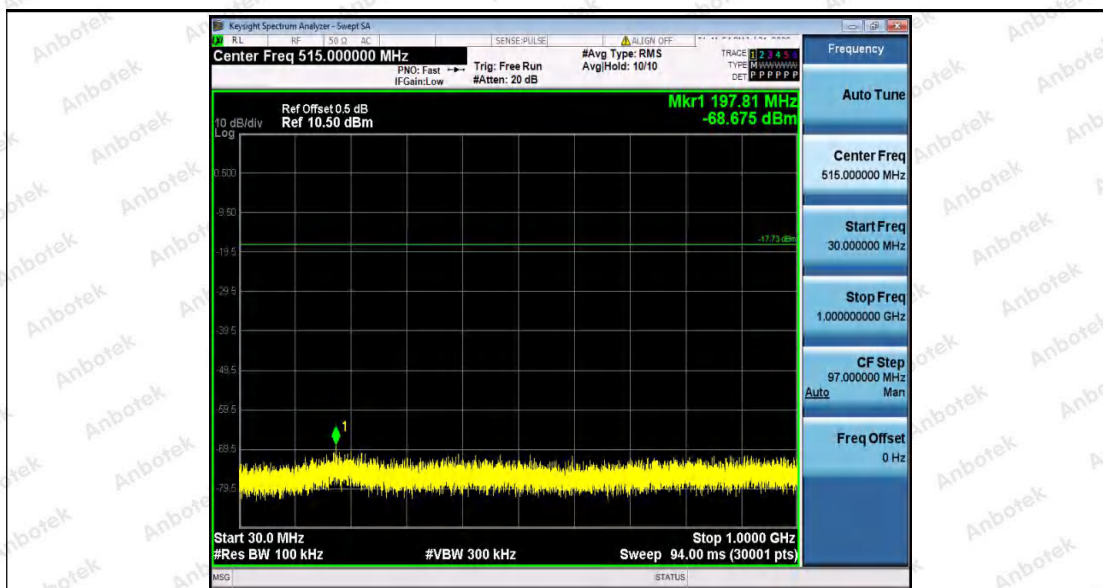
DH5_Ant1_2480_30~1000

Shenzhen Anbotech Compliance Laboratory Limited

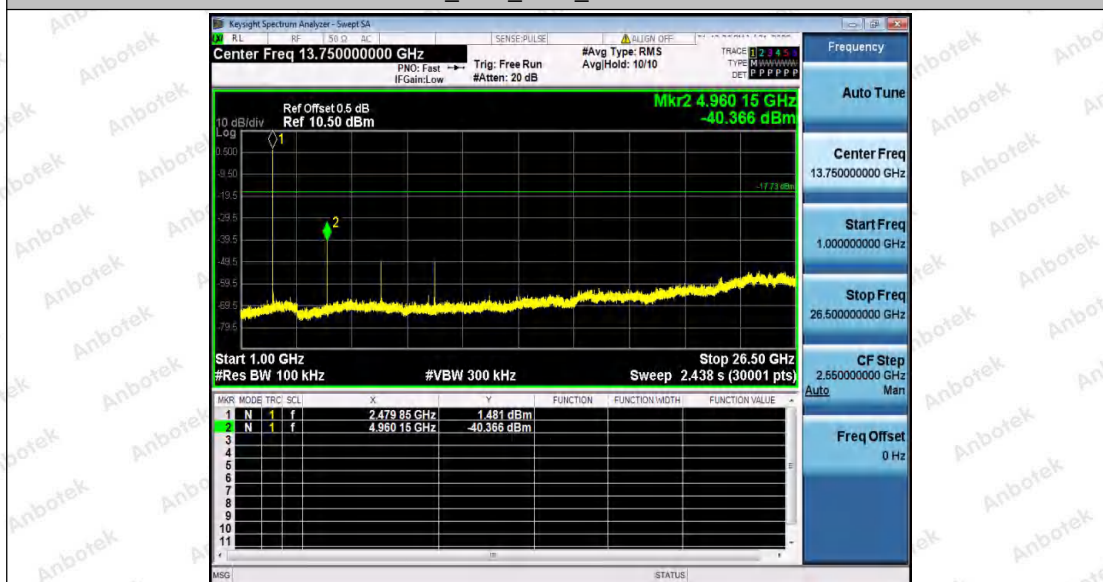
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

Hotline
400-003-0500
www.anbotech.com



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

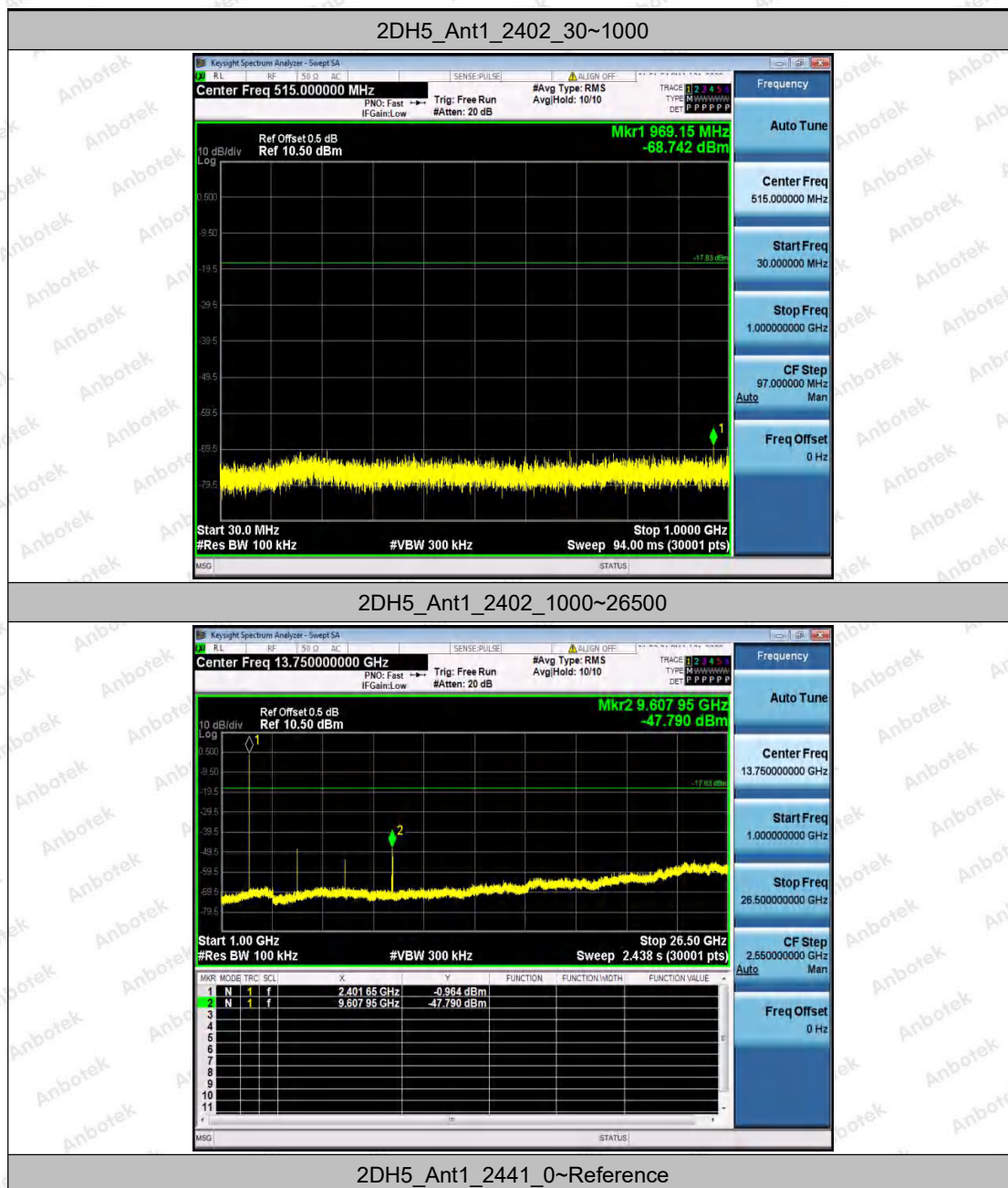


Shenzhen Anbotek Compliance Laboratory Limited

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



Shenzhen Anbotek Compliance Laboratory Limited

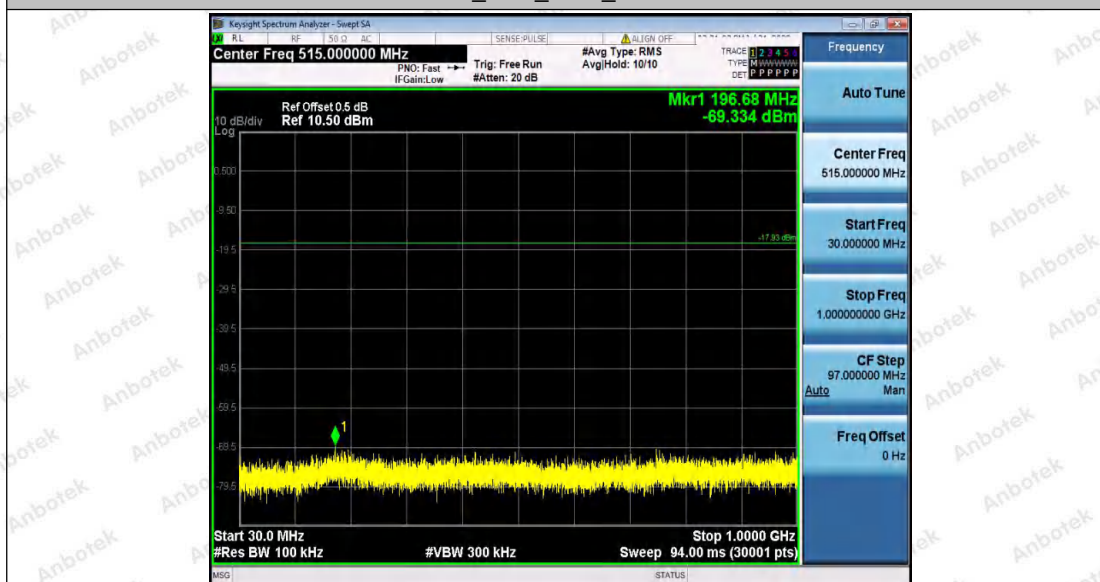
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

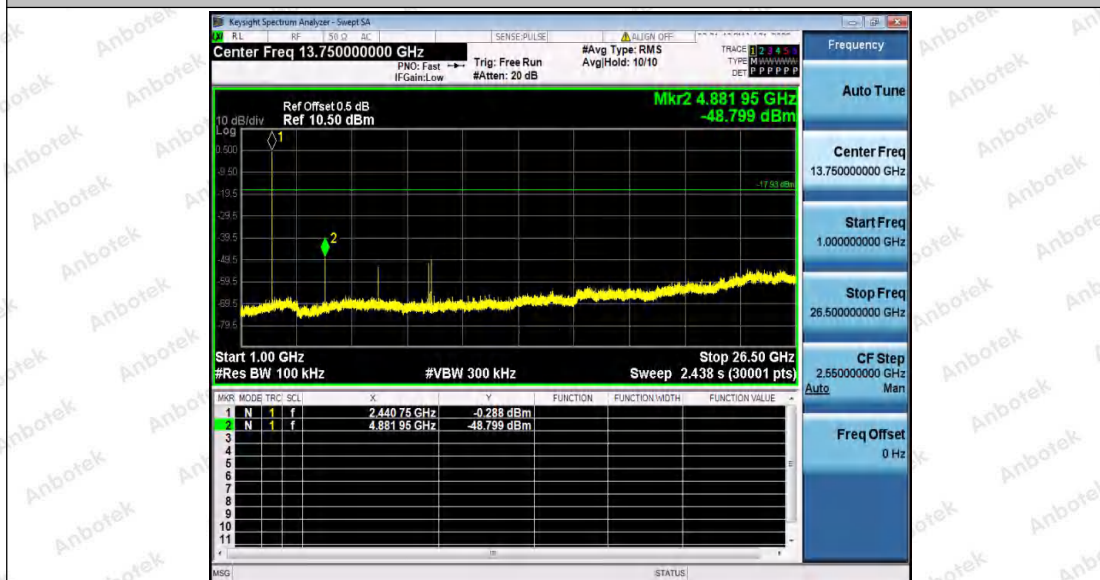
Hotline
 400-003-0500
www.anbotek.com



2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_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.

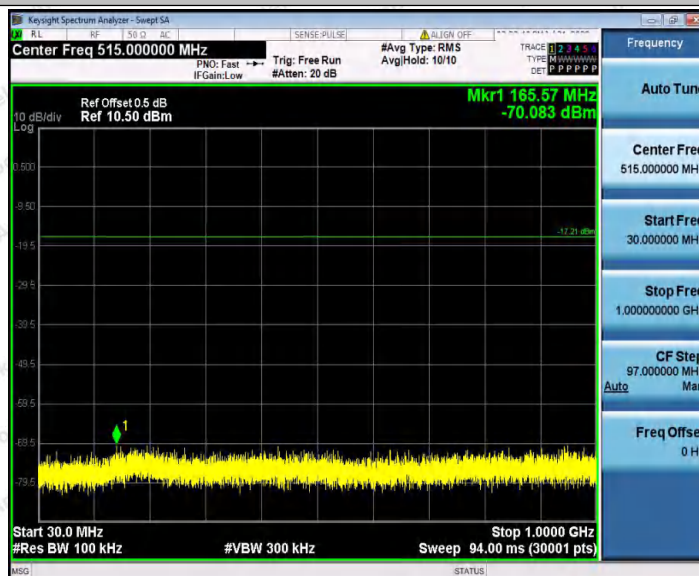
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



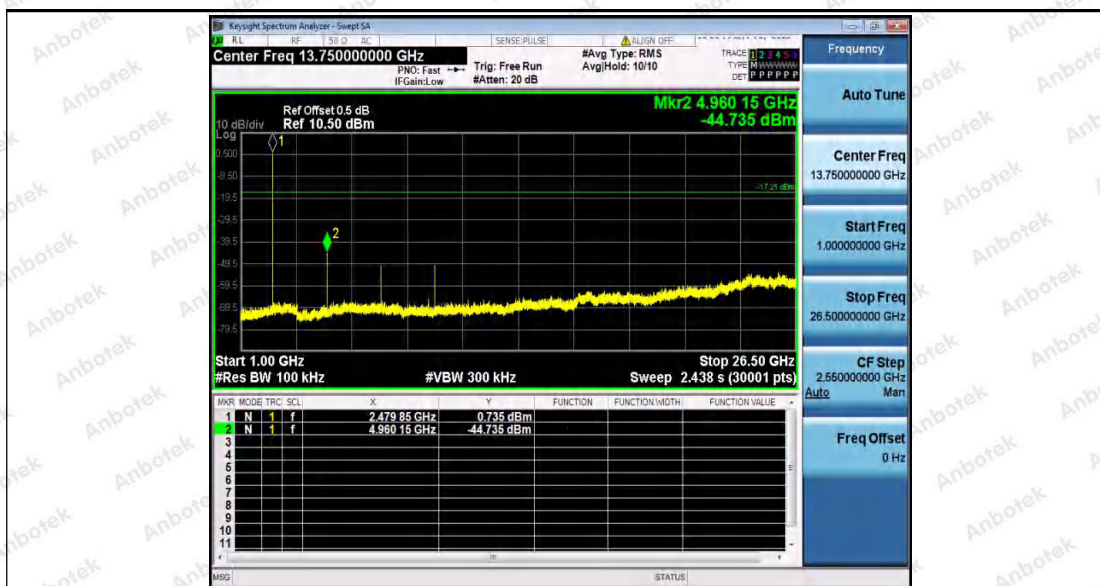
2DH5_Ant1_2480_1000~26500

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

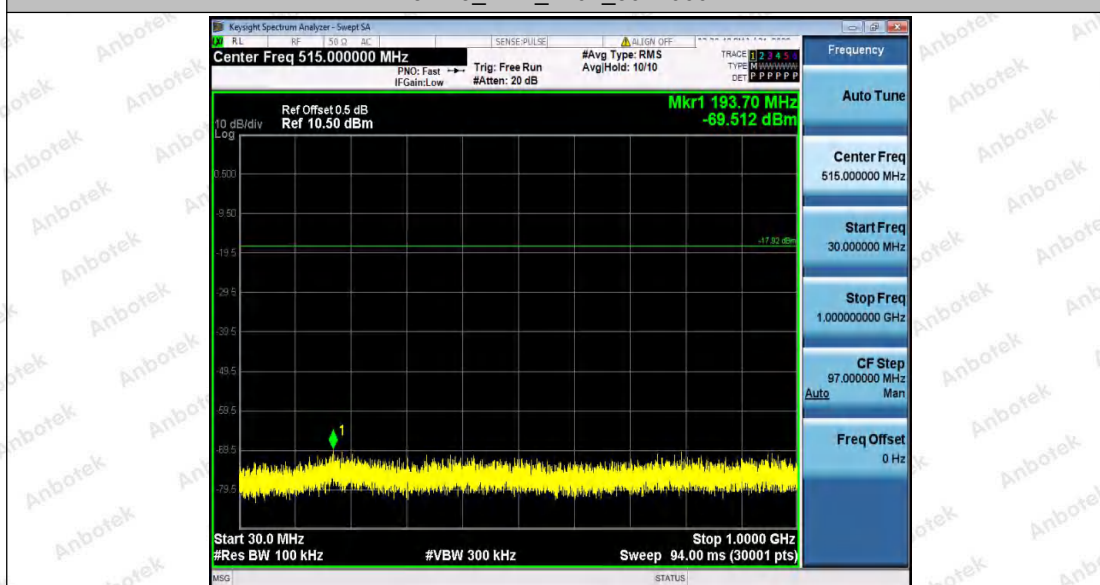
Hotline
400-003-0500
www.anbotek.com



3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



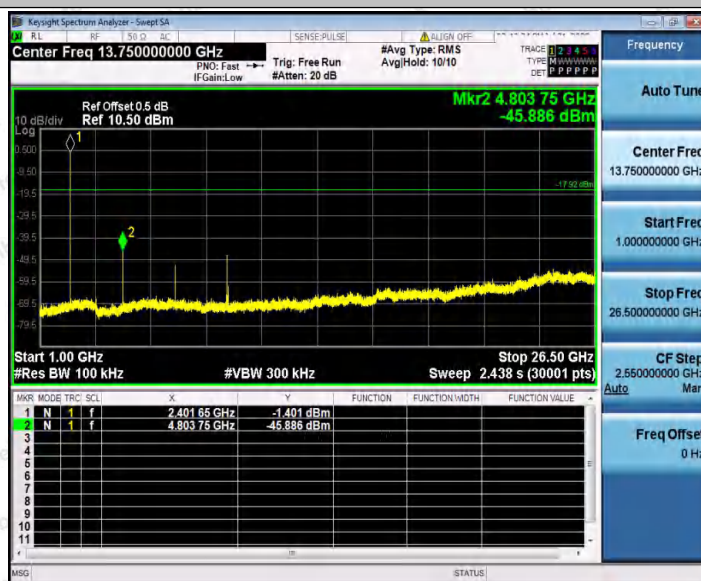
Shenzhen Anbotech Compliance Laboratory Limited

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

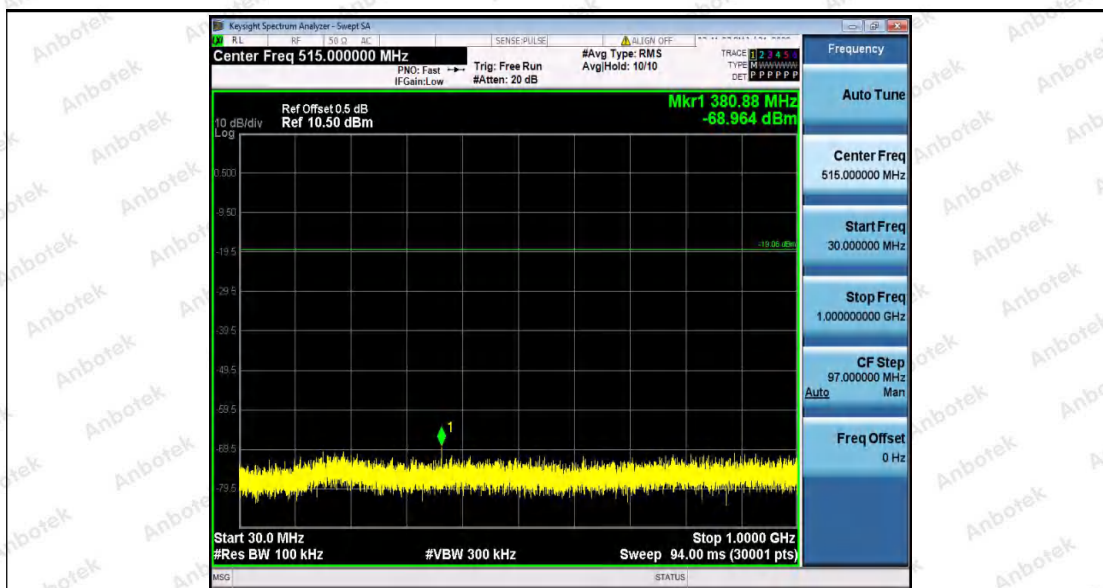
3DH5_Ant1_2402_1000~26500



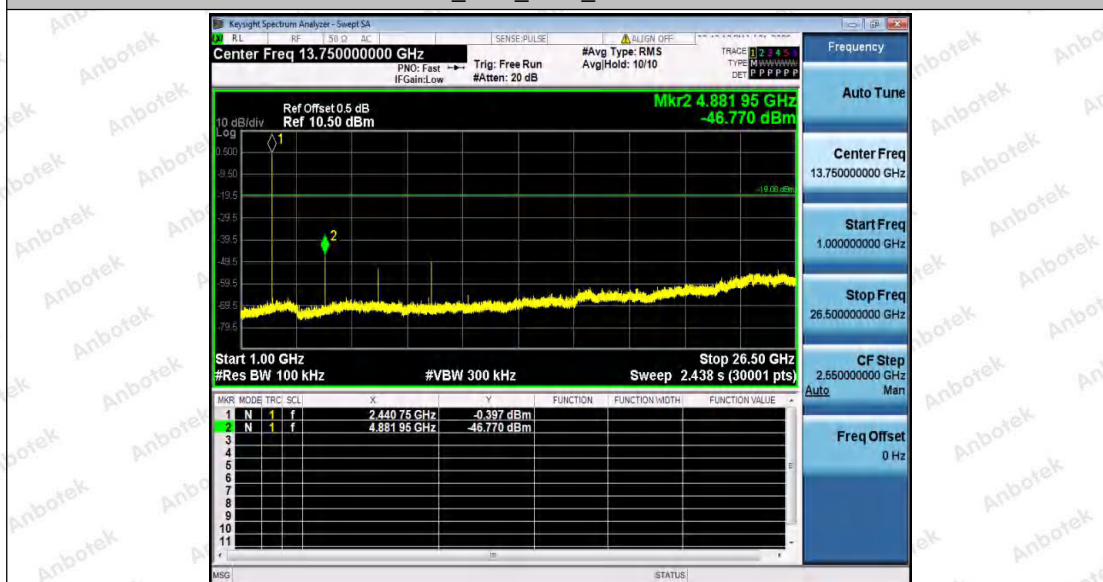
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference

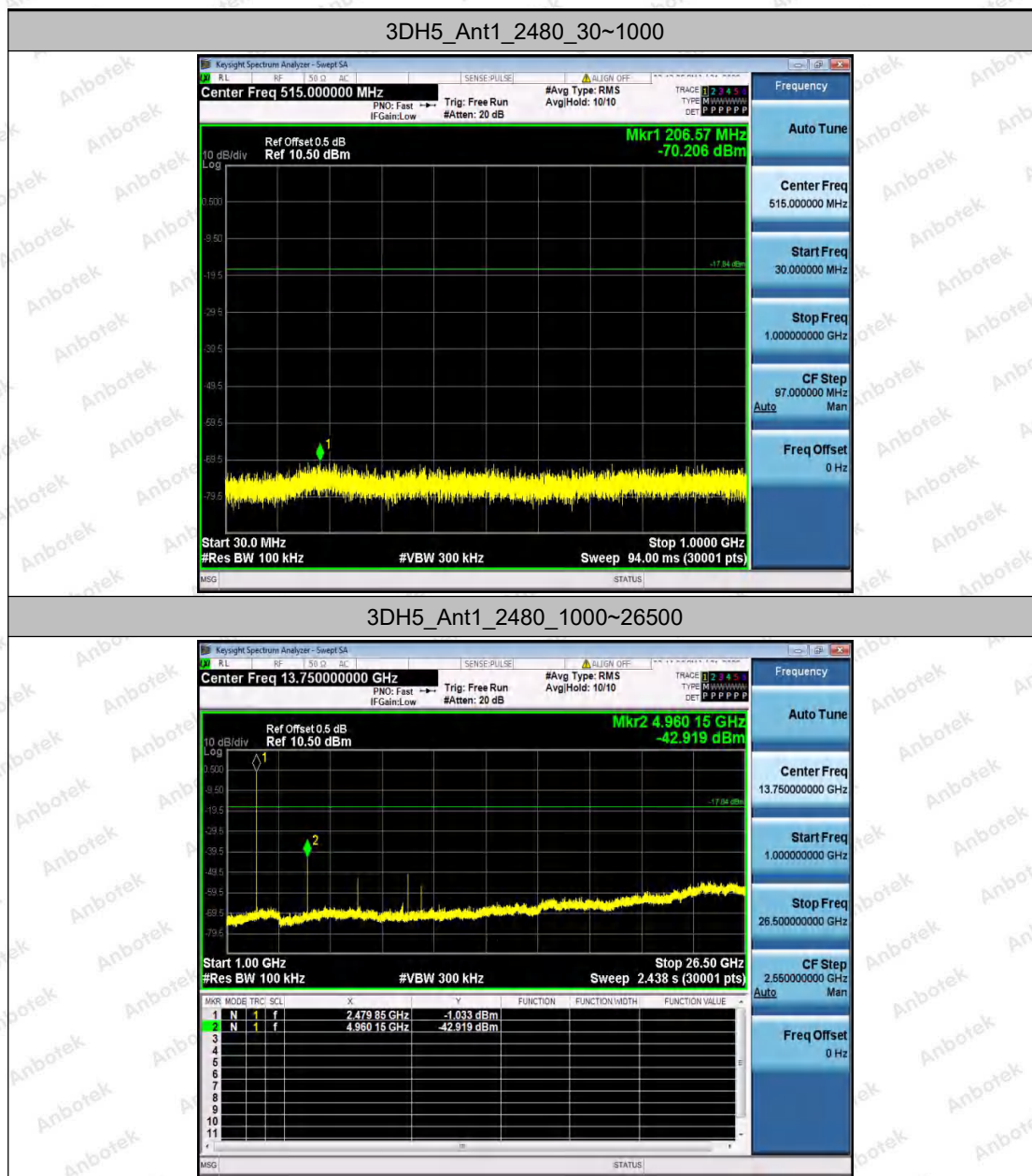


Shenzhen Anbotek Compliance Laboratory Limited

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



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

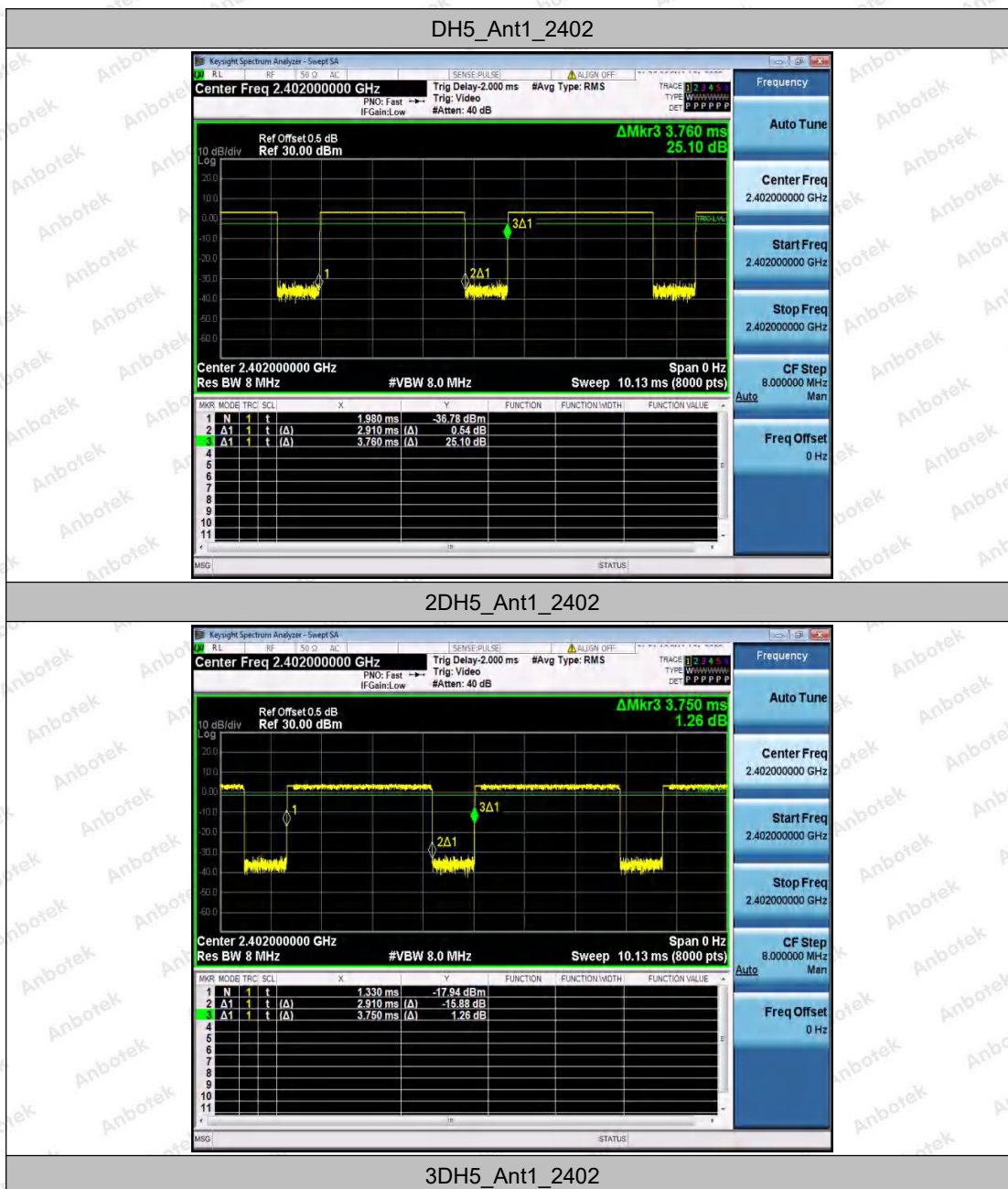
Hotline
 400-003-0500
www.anbotek.com

Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.91	3.76	0.773 9	77.39	1.11	---	PASS
2DH5	Ant1	2402	2.91	3.75	0.776 0	77.60	1.10	---	PASS
3DH5	Ant1	2402	2.91	3.75	0.776 0	77.60	1.10	---	PASS

Test Graphs

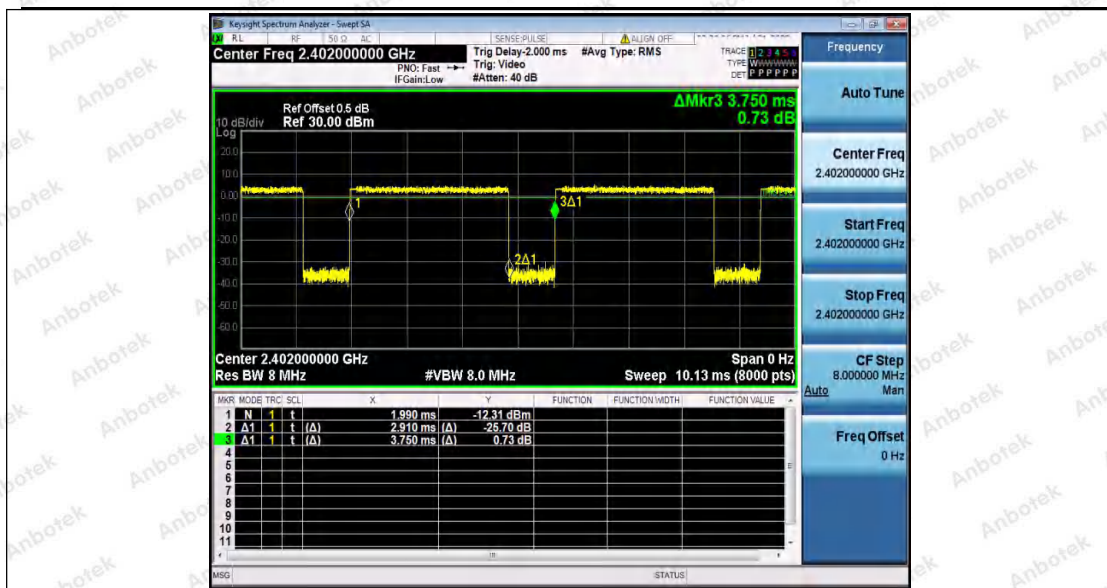


Shenzhen Anbotek Compliance Laboratory Limited

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

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

Hotline
400-003-0500
www.anbotek.com



---End---