

Appendix Test Data

Report No.:	1812C40040312501	Test Sample No.:	1-2-2
Start Test Date:	2024.09.03	Finish Test Date:	2024.09.03
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.6°C	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.475	2404.190	2405.665	---	---
2.4G	Ant1	2441	1.585	2440.185	2441.770	---	---
2.4G	Ant1	2475	1.580	2474.185	2475.765	---	---



Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2441



2.4G-Ant1-2475

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com



Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.8432	2404.0774	2405.9206	---	---
2.4G	Ant1	2441	1.8175	2440.0969	2441.9144	---	---
2.4G	Ant1	2475	1.8418	2474.0817	2475.9235	---	---



Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2441



2.4G-Ant1-2475

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com



Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	3.44	≤20.97	PASS
2.4G	Ant1	2441	3.56	≤20.97	PASS
2.4G	Ant1	2475	3.47	≤20.97	PASS



Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2441-PASS



2.4G-Ant1-2475-PASS

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com

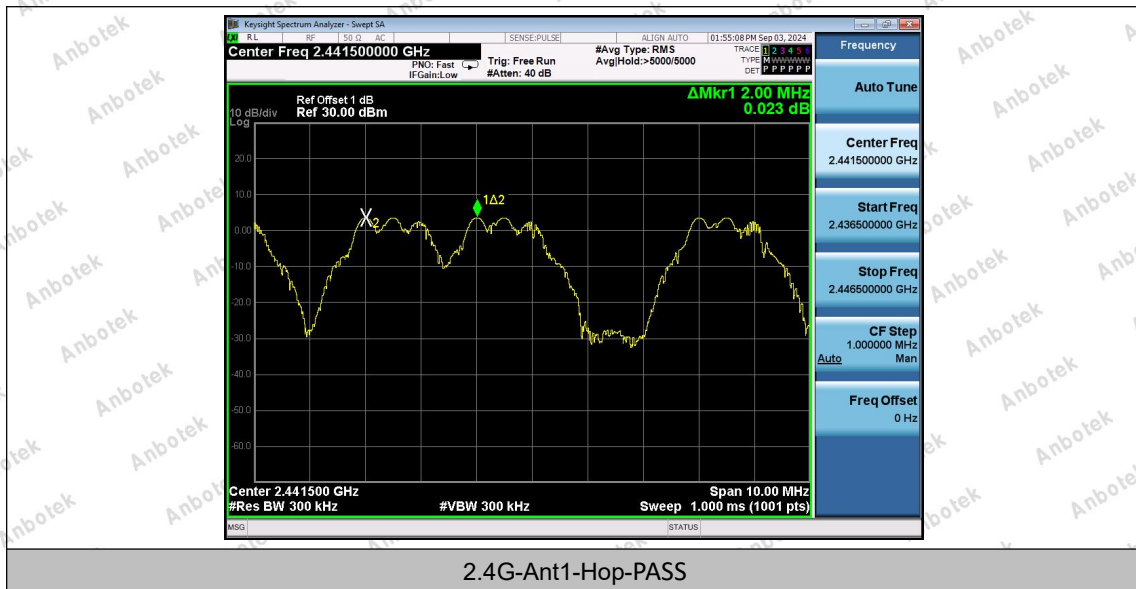


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2	≥1.057	PASS

Test Graphs

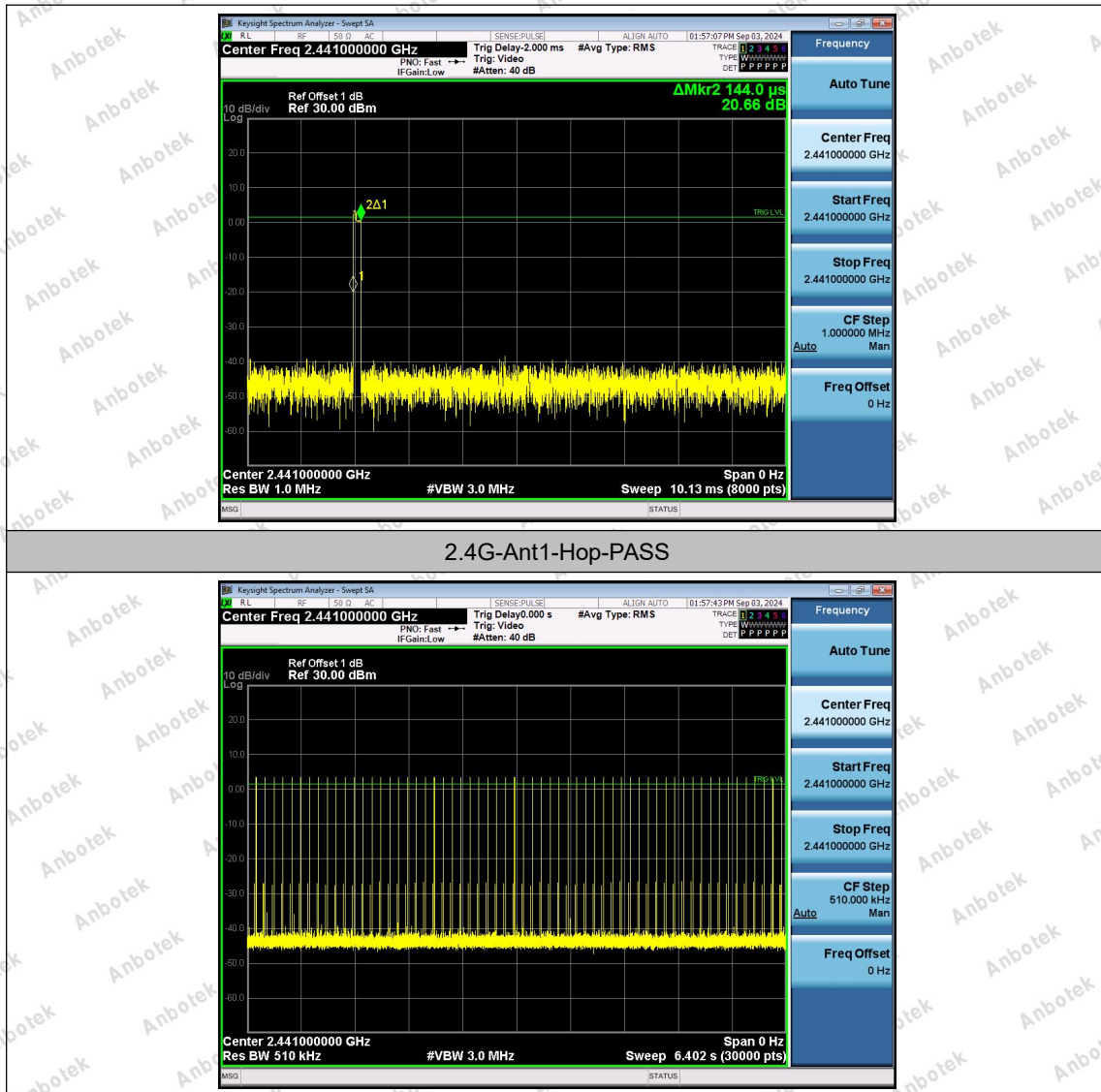


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.144	60	0.009	≤0.4	PASS

Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com

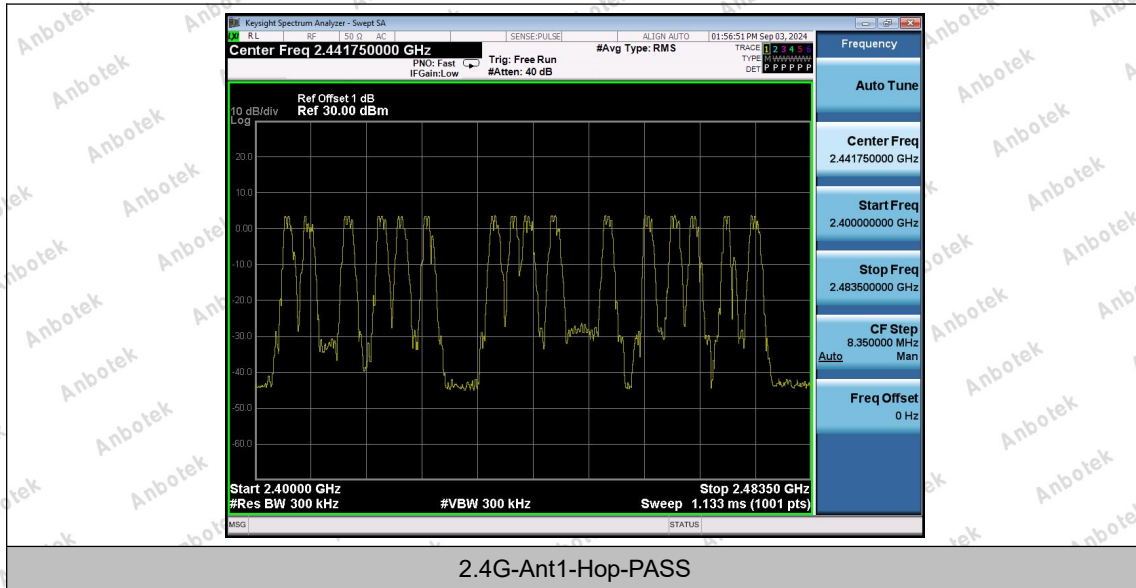


Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	16	≥15	PASS

Test Graphs



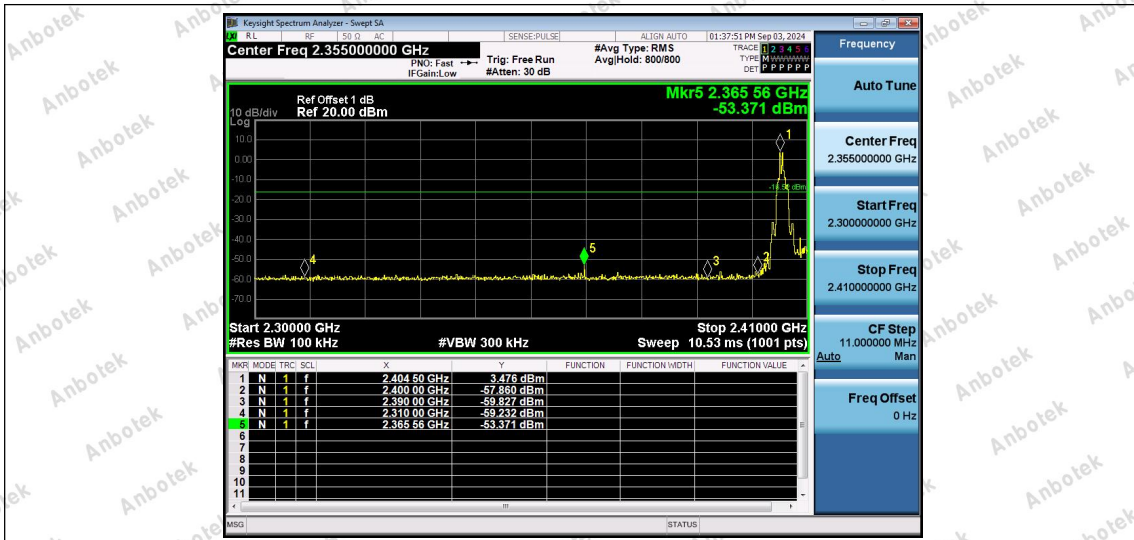
Appendix G: Conducted Band edge

Test Result

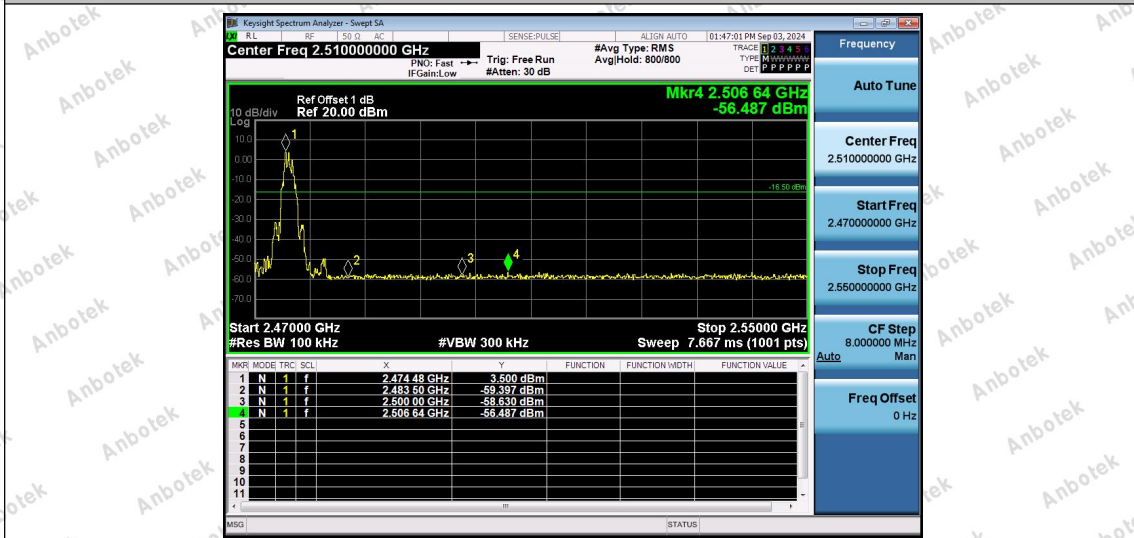
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	3.48	-53.37	≤-16.52	PASS
2.4G	Ant1	High	2475	3.50	-56.49	≤-16.5	PASS
2.4G	Ant1	Low	Hop	3.31	-53.44	≤-16.7	PASS
2.4G	Ant1	High	Hop	3.49	-53.71	≤-16.51	PASS



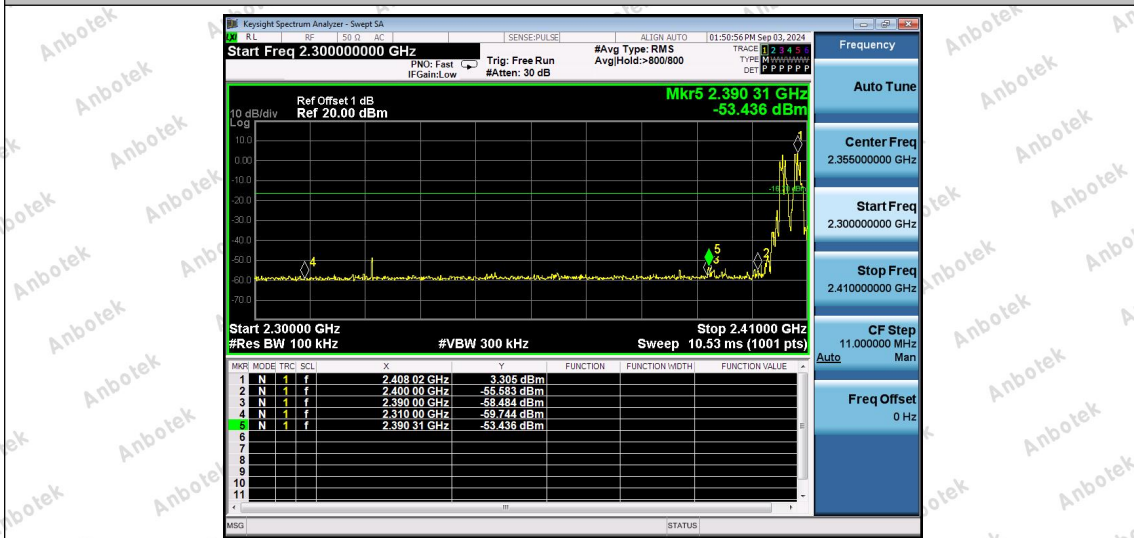
Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2475-PASS



2.4G-Ant1-Hop-PASS

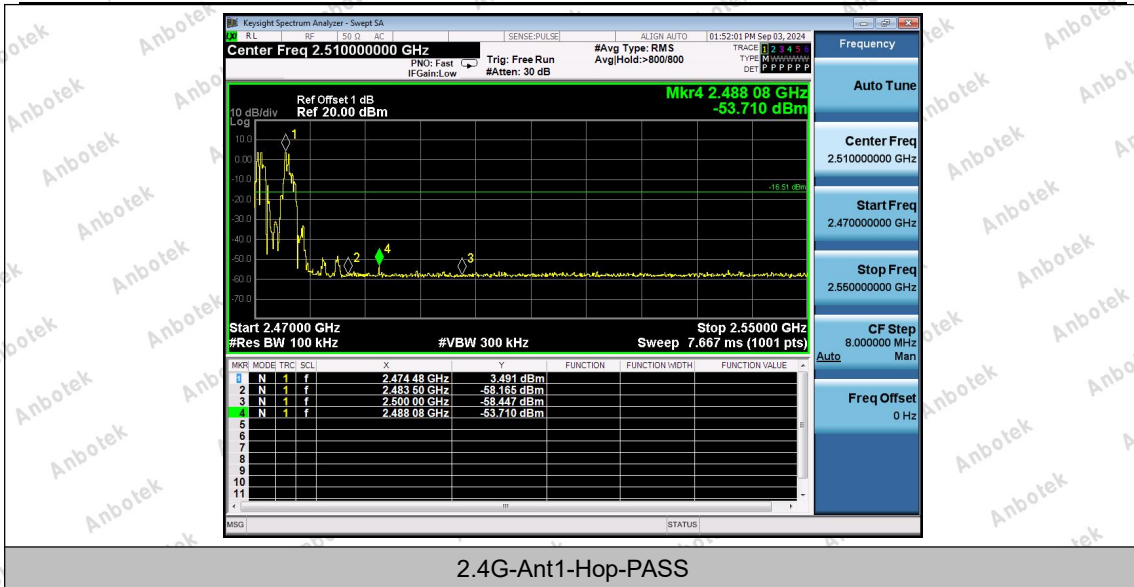
Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahongcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com





2.4G-Ant1-Hop-PASS

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com



Appendix H: Conducted Spurious Emission

Test Result

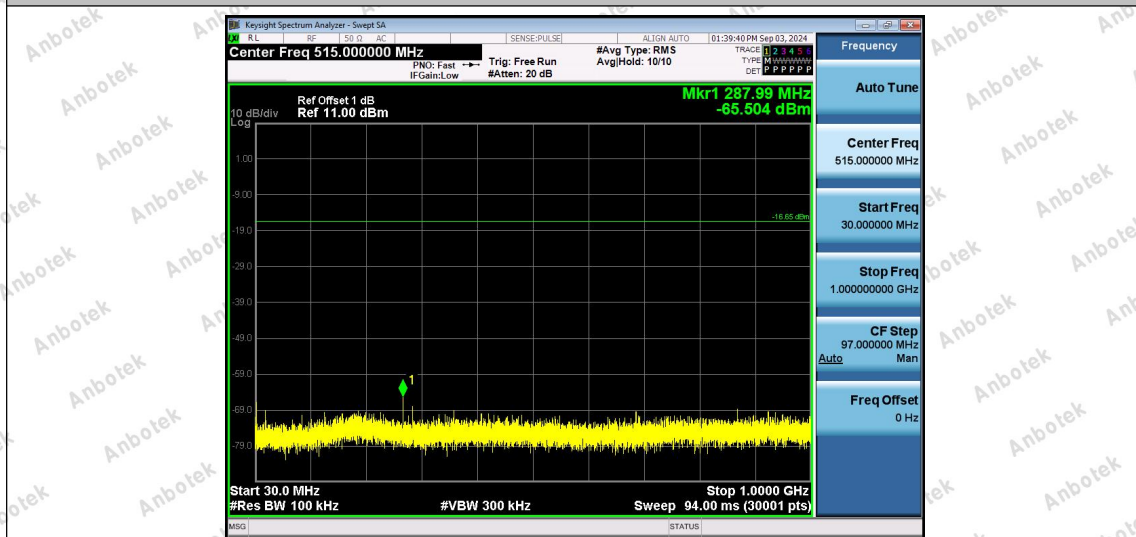
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	0~Reference	3.35	3.35	---	PASS
2.4G	Ant1	2405	30~1000	3.35	-65.5	≤-16.65	PASS
2.4G	Ant1	2405	1000~26500	3.35	-45.17	≤-16.65	PASS
2.4G	Ant1	2441	0~Reference	3.40	3.40	---	PASS
2.4G	Ant1	2441	30~1000	3.40	-66.19	≤-16.6	PASS
2.4G	Ant1	2441	1000~26500	3.40	-33.62	≤-16.6	PASS
2.4G	Ant1	2475	0~Reference	3.36	3.36	---	PASS
2.4G	Ant1	2475	30~1000	3.36	-65.98	≤-16.64	PASS
2.4G	Ant1	2475	1000~26500	3.36	-47.4	≤-16.64	PASS



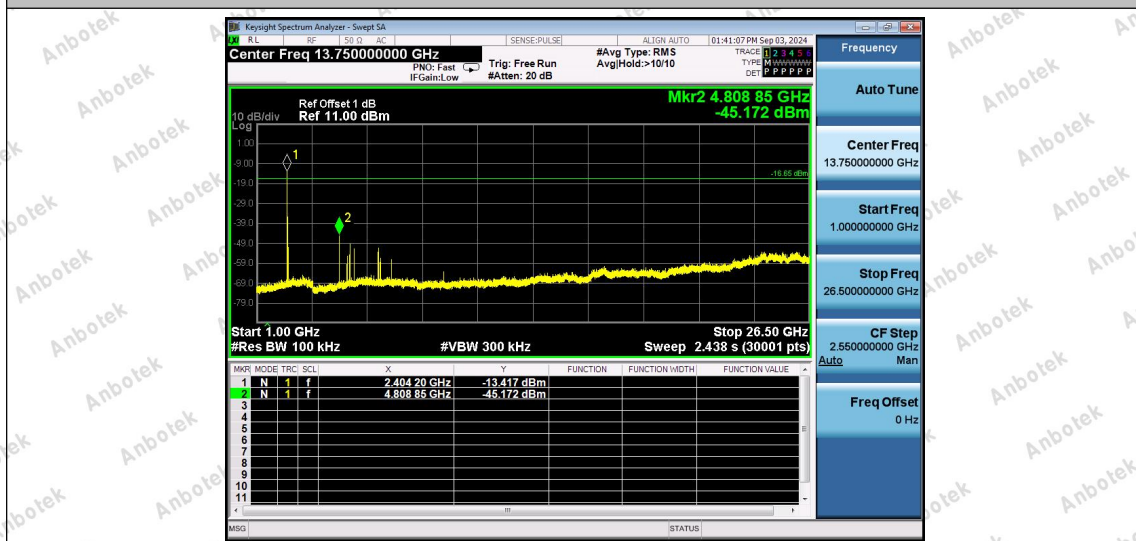
Test Graphs



2.4G-Ant1-2405-0~Reference-PASS



2.4G-Ant1-2405-30~1000-PASS



2.4G-Ant1-2405-1000~26500-PASS

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotek.com

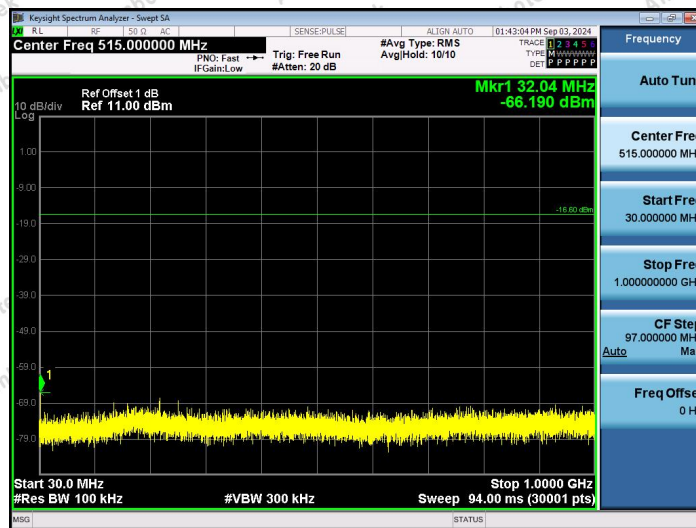


Hotline
400-003-0500
www.anbotek.com

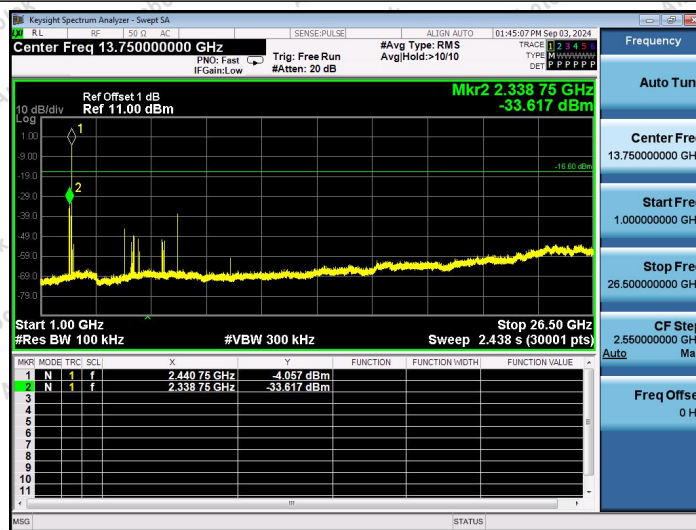




2.4G-Ant1-2441-0~Reference-PASS



2.4G-Ant1-2441-30~1000-PASS



2.4G-Ant1-2441-1000~26500-PASS

Shenzhen Anbotek Compliance Laboratory Limited

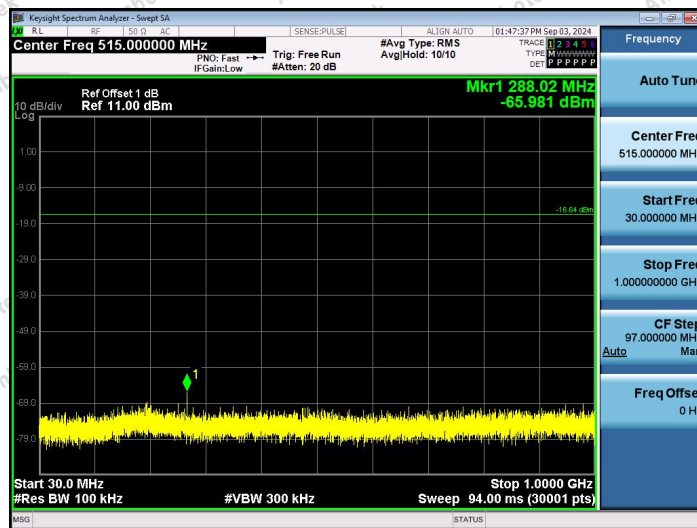
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
 Tel: (86)0755-26066440 Email: service@anbotek.com

Hotline 400-003-0500
 www.anbotek.com

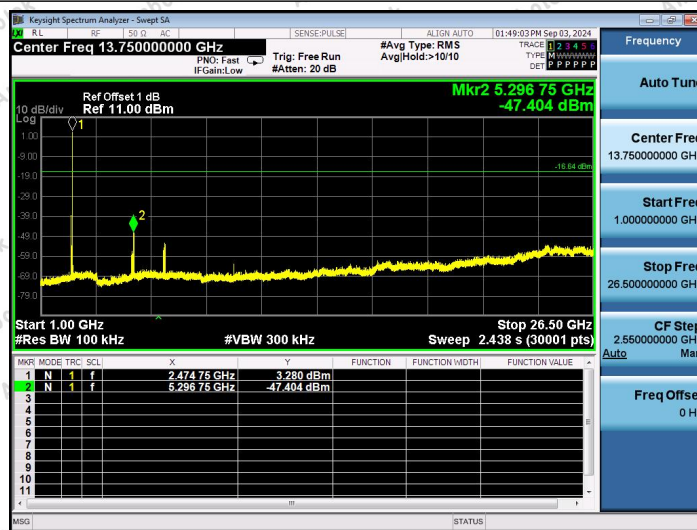




2.4G-Ant1-2475-0~Reference-PASS



2.4G-Ant1-2475-30~1000-PASS



2.4G-Ant1-2475-1000~26500-PASS

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com



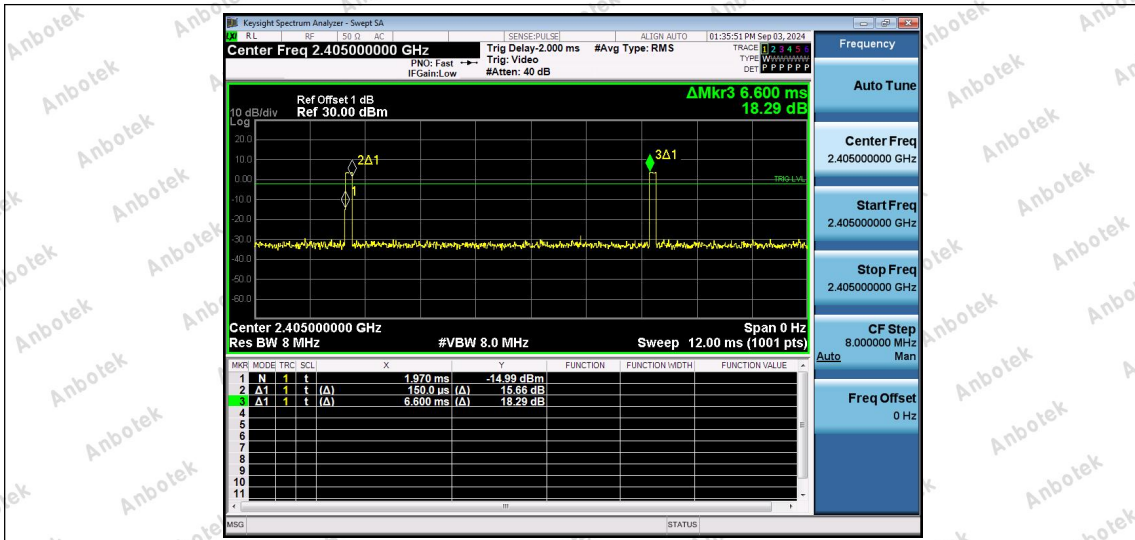
Appendix I: Duty Cycle

Test Result

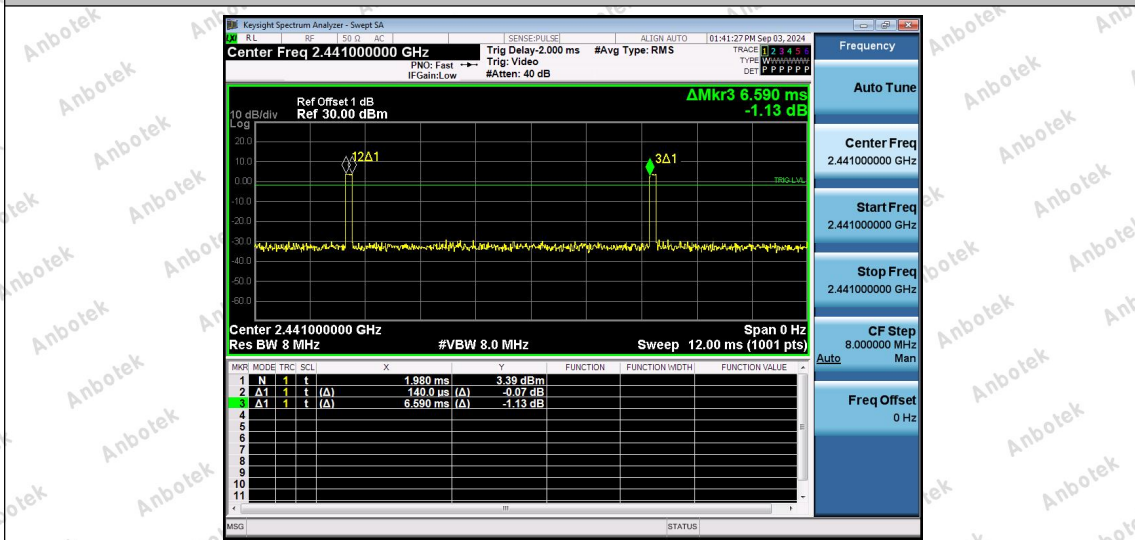
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.15	6.60	2.27	16.44
2.4G	Ant1	2441	0.14	6.59	2.12	16.74
2.4G	Ant1	2475	0.15	6.65	2.26	16.46



Test Graphs

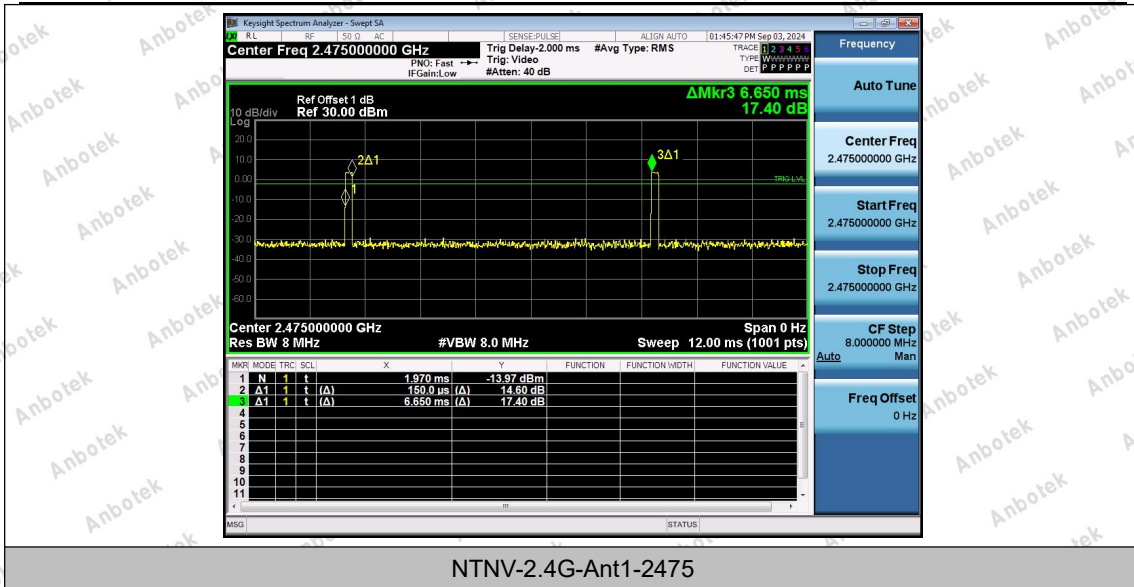


NTNV-2.4G-Ant1-2405



NTNV-2.4G-Ant1-2441





---End---

