

Appendix Test Data

Report No.:	1816C40007512502	Test Sample No.:	1-2-2
Start Test Date:	2024.09.23	Finish Test Date:	2024.10.10
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	22.3℃	Relative Humidity:	48%
Pressure:	101kPa		

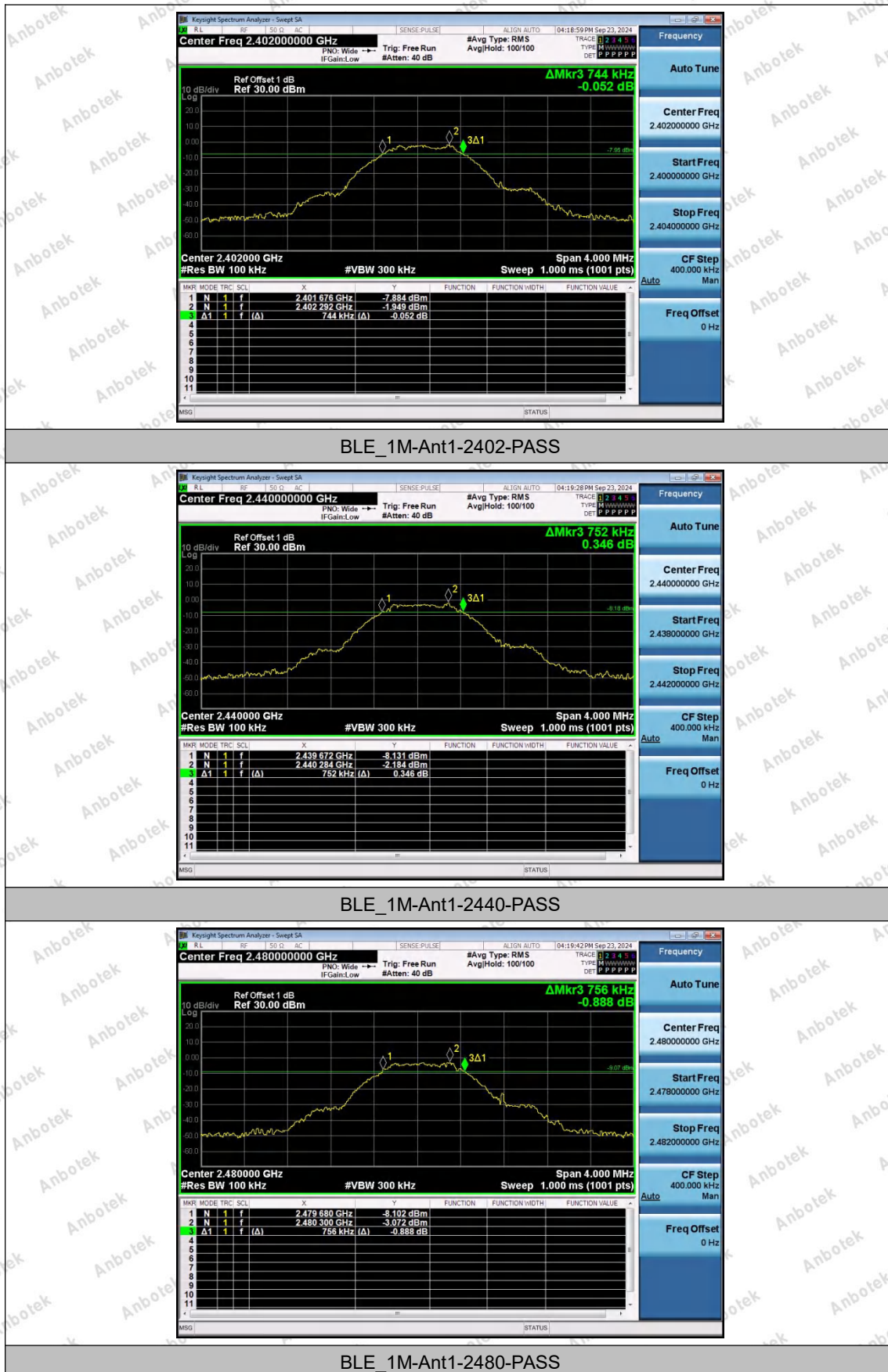
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.744	2401.676	2402.420	0.5	PASS
BLE_1M	Ant1	2440	0.752	2439.672	2440.424	0.5	PASS
BLE_1M	Ant1	2480	0.756	2479.680	2480.436	0.5	PASS
BLE_2M	Ant1	2402	1.340	2401.380	2402.720	0.5	PASS
BLE_2M	Ant1	2440	1.356	2439.384	2440.740	0.5	PASS
BLE_2M	Ant1	2480	1.380	2479.352	2480.732	0.5	PASS



Test Graphs



Shenzhen Anbotech 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@anbotech.com



Hotline
400-003-0500
www.anbotech.com

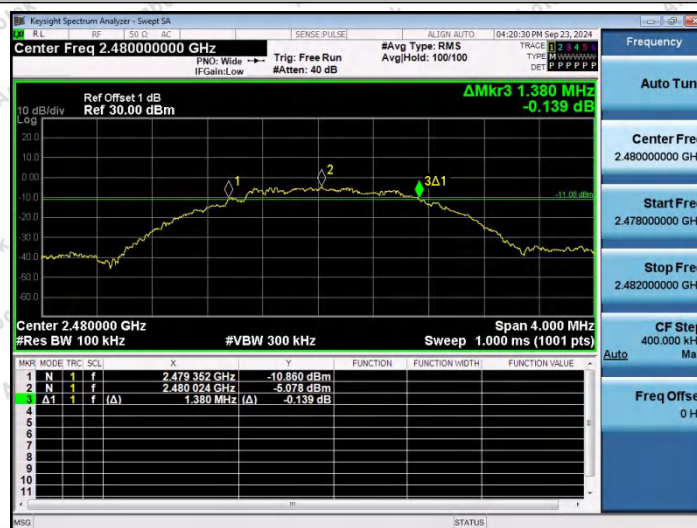




BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS



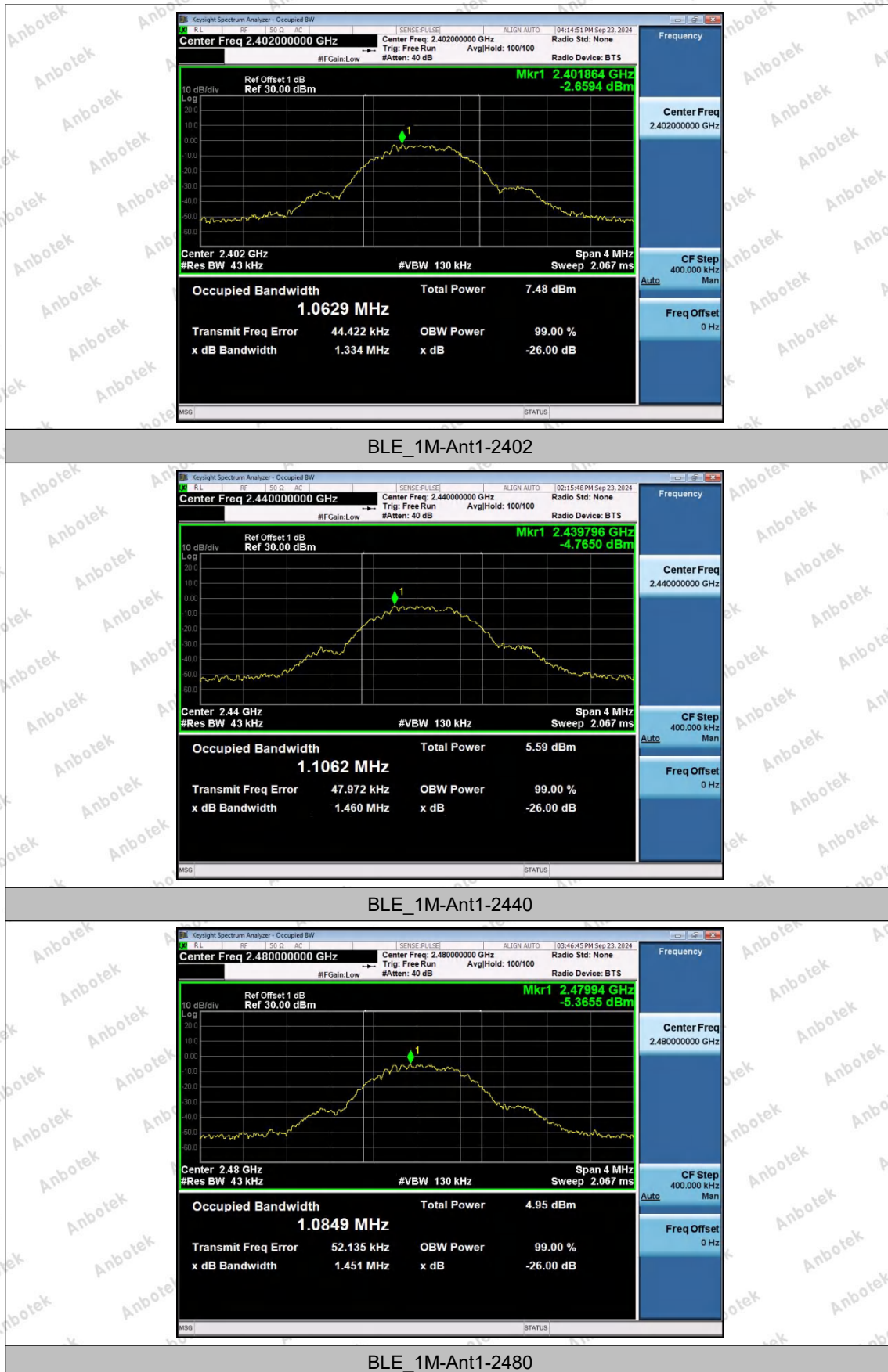
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0629	2401.5130	2402.5759	---	---
BLE_1M	Ant1	2440	1.1062	2439.4949	2440.6011	---	---
BLE_1M	Ant1	2480	1.0849	2479.5097	2480.5946	---	---
BLE_2M	Ant1	2402	2.0328	2401.0376	2403.0704	---	---
BLE_2M	Ant1	2440	2.0564	2439.0245	2441.0809	---	---
BLE_2M	Ant1	2480	2.0920	2479.0109	2481.1029	---	---



Test Graphs



Shenzhen Anbotech 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@anbotech.com



Hotline
400-003-0500
www.anbotech.com

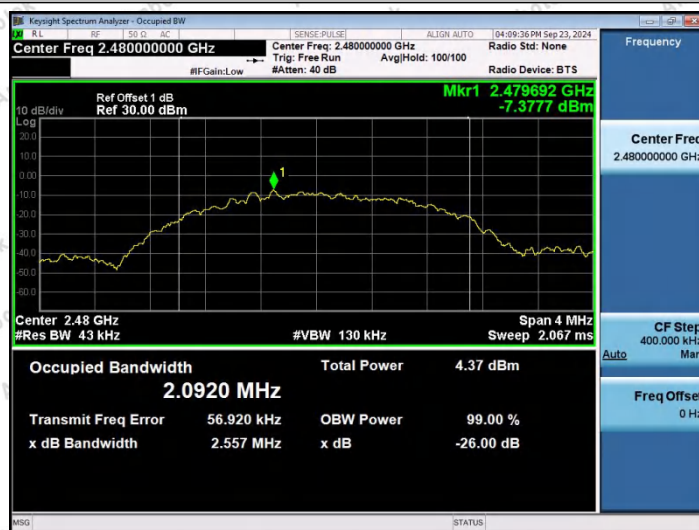




BLE_2M-Ant1-2402



BLE_2M-Ant1-2440



BLE_2M-Ant1-2480



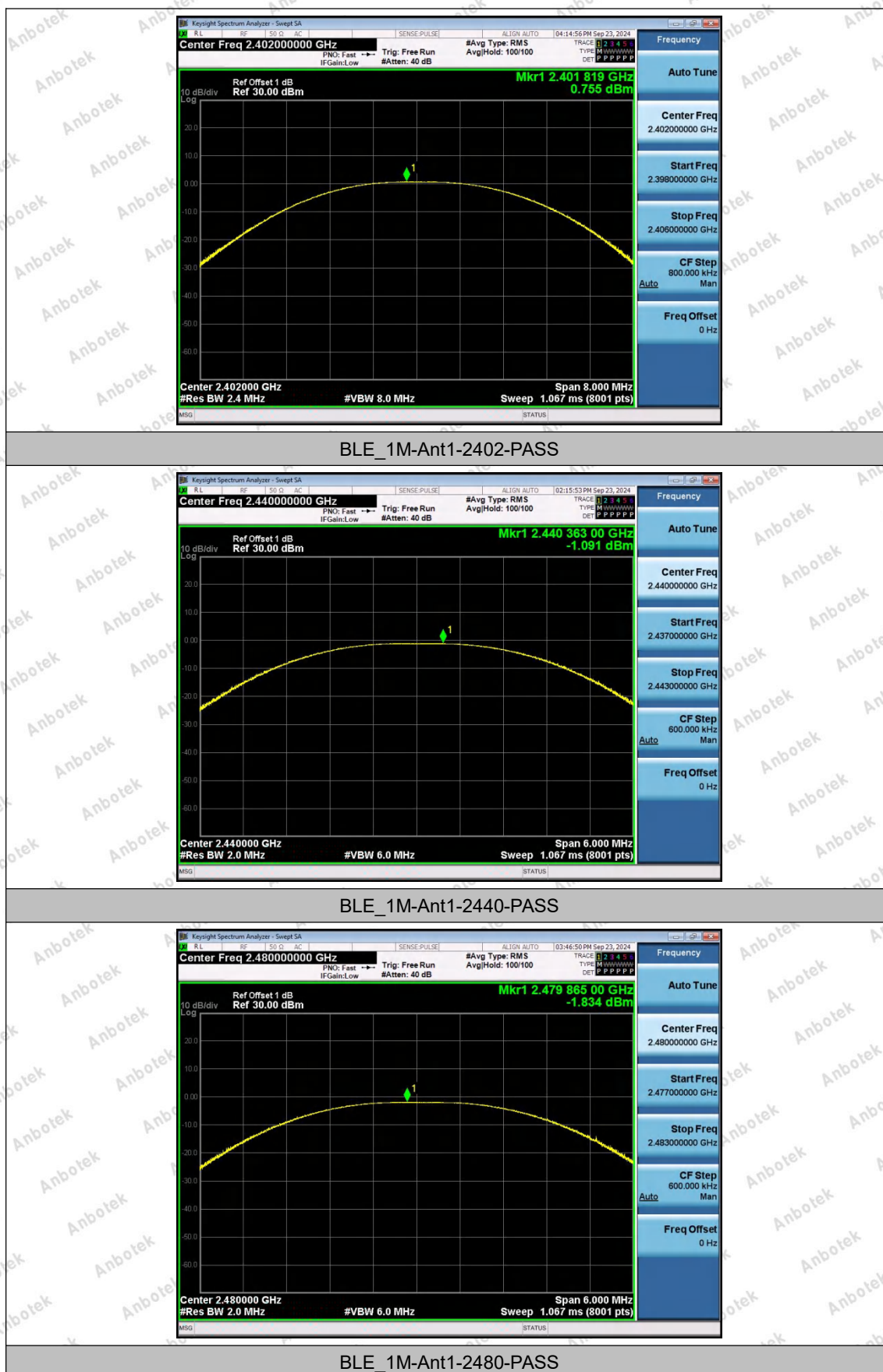
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.76	≤30	PASS
BLE_1M	Ant1	2440	-1.09	≤30	PASS
BLE_1M	Ant1	2480	-1.83	≤30	PASS
BLE_2M	Ant1	2402	-0.83	≤30	PASS
BLE_2M	Ant1	2440	-1.23	≤30	PASS
BLE_2M	Ant1	2480	-1.94	≤30	PASS



Test Graphs Peak



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

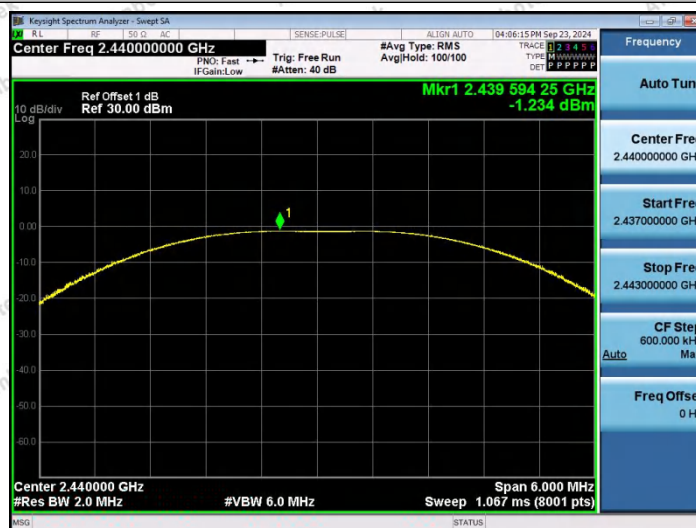


Hotline
 400-003-0500
 www.anbotek.com

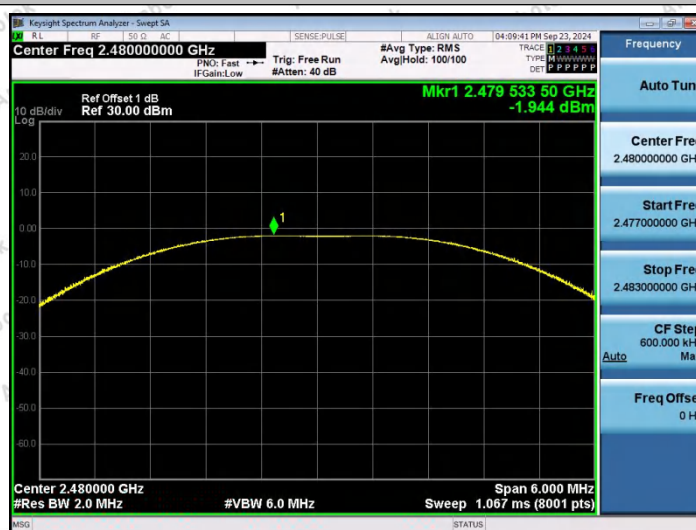




BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS



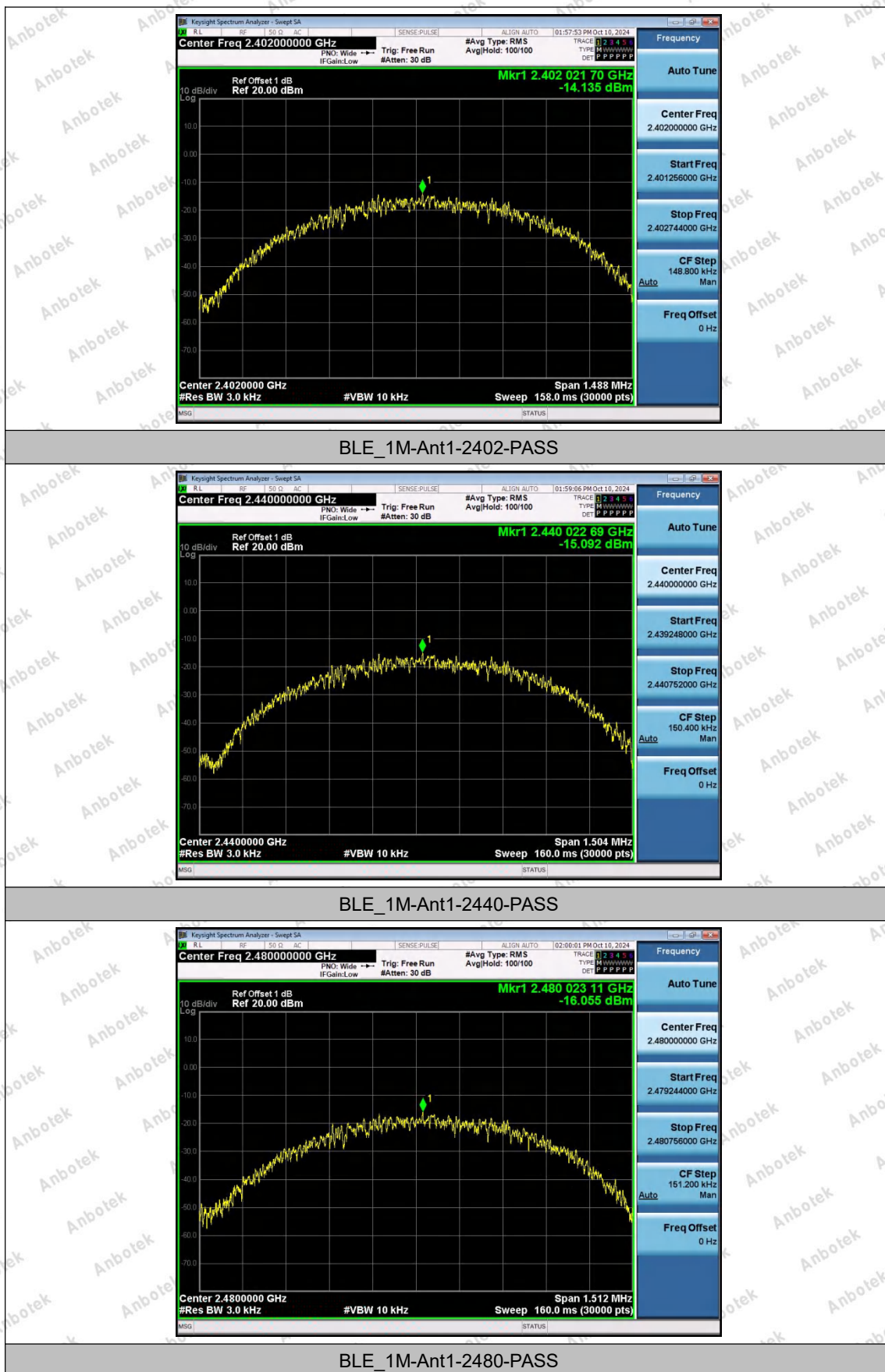
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.14	≤8.00	PASS
BLE_1M	Ant1	2440	-15.09	≤8.00	PASS
BLE_1M	Ant1	2480	-16.06	≤8.00	PASS
BLE_2M	Ant1	2402	-15.31	≤8.00	PASS
BLE_2M	Ant1	2440	-16.27	≤8.00	PASS
BLE_2M	Ant1	2480	-17.25	≤8.00	PASS



Test Graphs



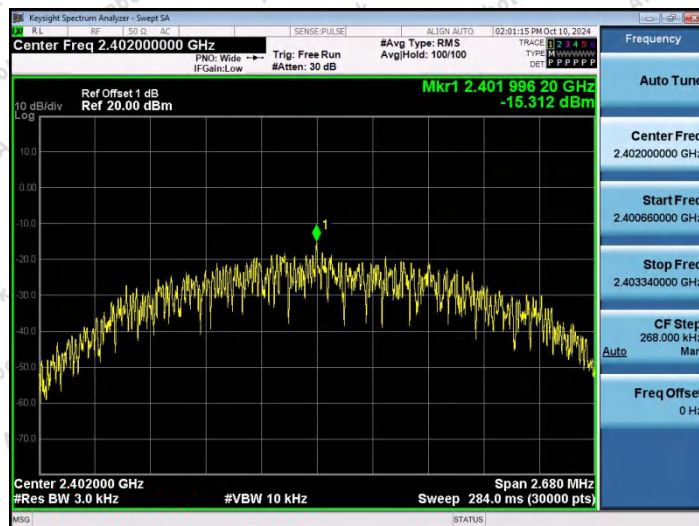
Shenzhen Anbotek Compliance Laboratory Limited

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

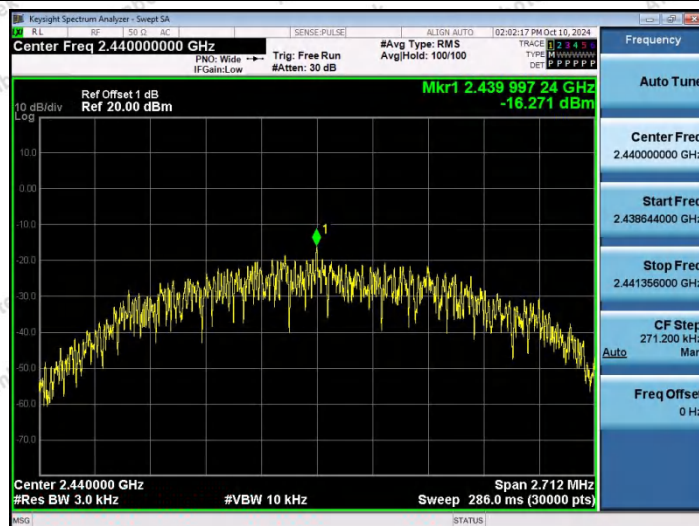


Hotline
400-003-0500
www.anbotek.com

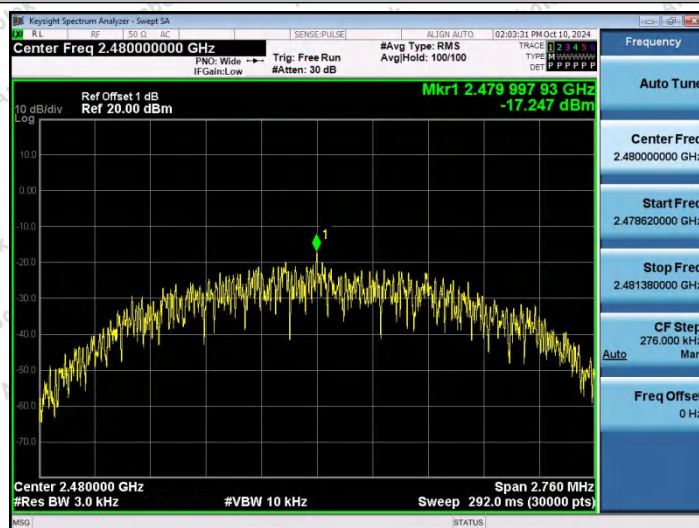




BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-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

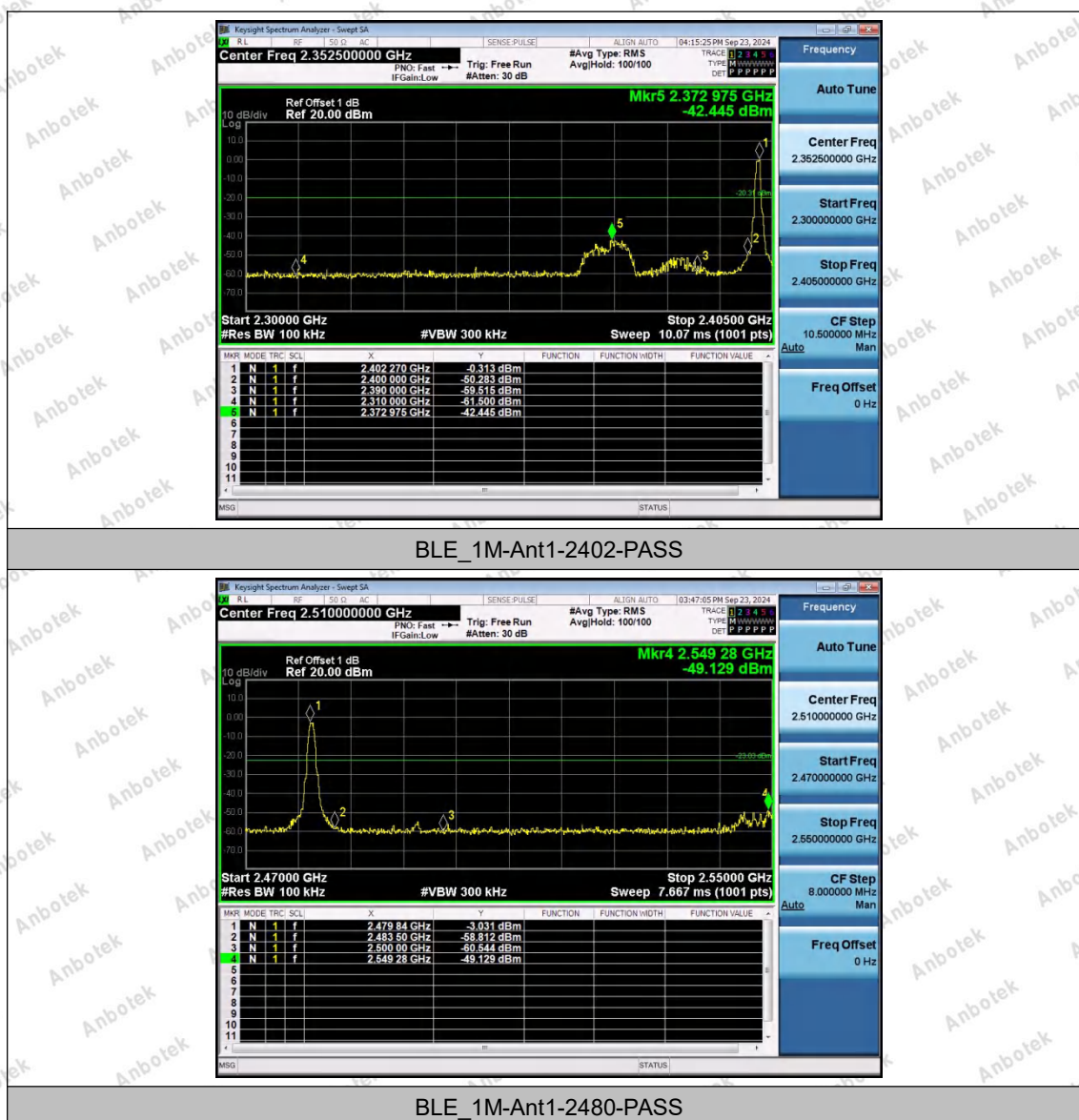


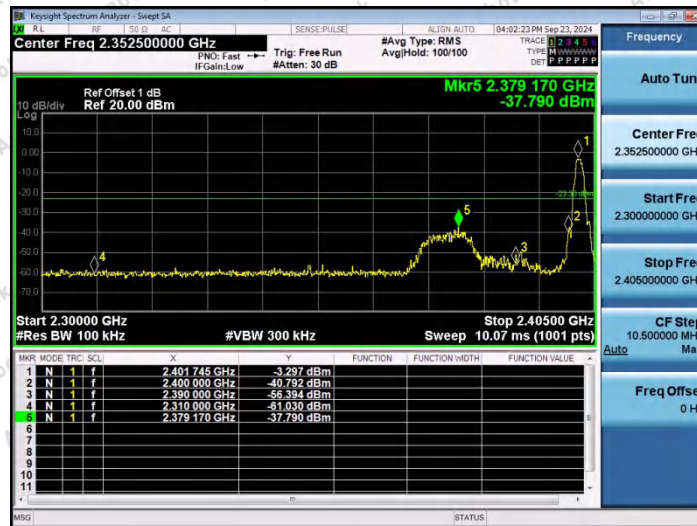
Appendix E: Band edge measurements

Test Result

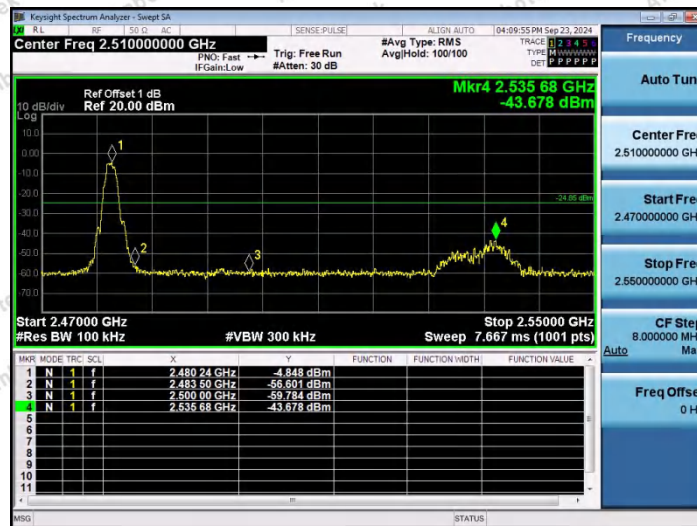
TestMode	Antenna	Channel	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.31	-42.45	≤-20.31	PASS
BLE_1M	Ant1	High	2480	-3.03	-49.13	≤-23.03	PASS
BLE_2M	Ant1	Low	2402	-3.30	-37.79	≤-23.3	PASS
BLE_2M	Ant1	High	2480	-4.85	-43.68	≤-24.85	PASS

Test Graphs





BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2480-PASS



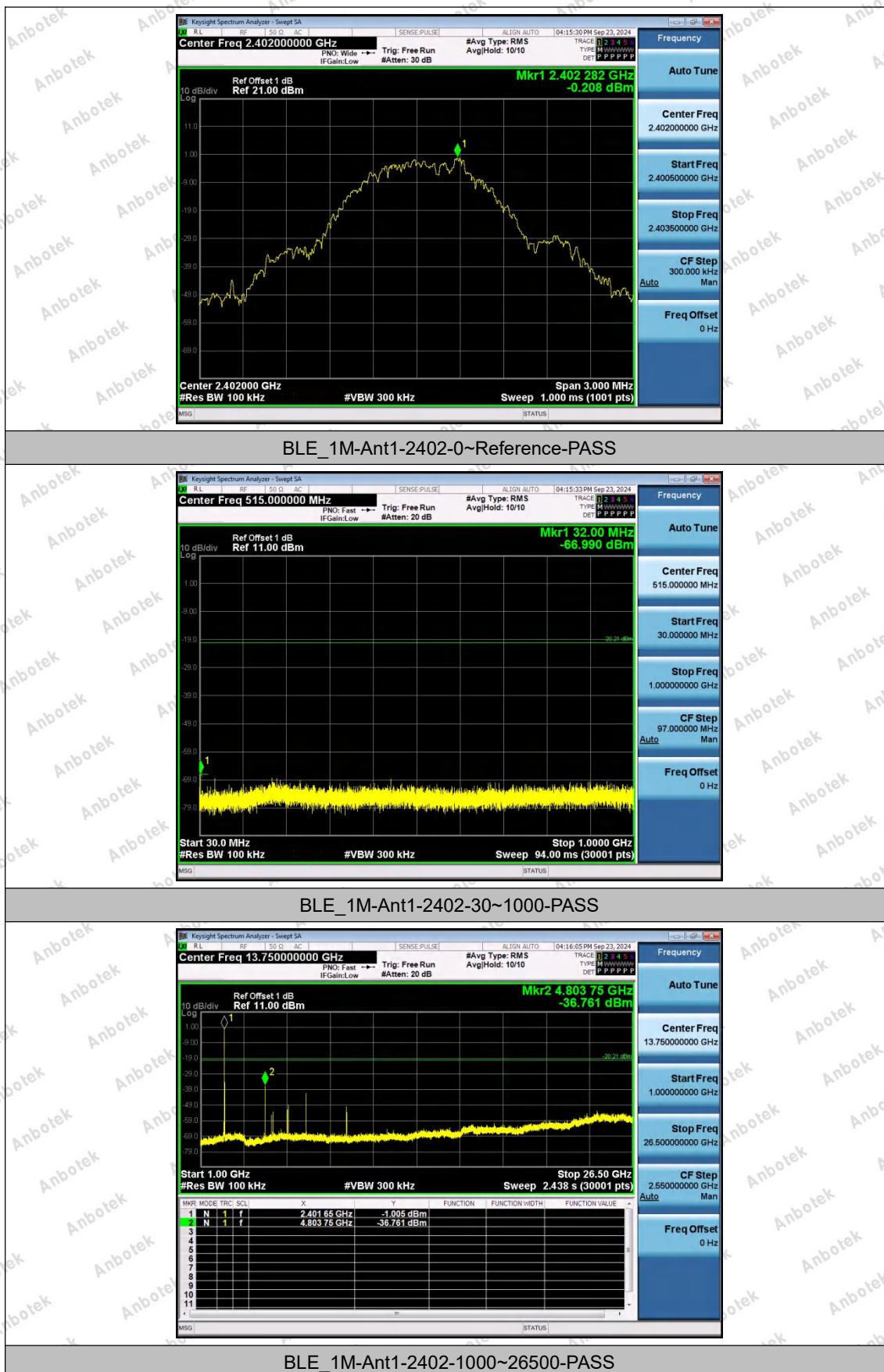
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.21	-0.21	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.21	-66.99	≤-20.21	PASS
BLE_1M	Ant1	2402	1000~26500	-0.21	-36.76	≤-20.21	PASS
BLE_1M	Ant1	2440	0~Reference	-2.72	-2.72	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.72	-68.18	≤-22.72	PASS
BLE_1M	Ant1	2440	1000~26500	-2.72	-40.65	≤-22.72	PASS
BLE_1M	Ant1	2480	0~Reference	-2.81	-2.81	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.81	-67.43	≤-22.81	PASS
BLE_1M	Ant1	2480	1000~26500	-2.81	-37.7	≤-22.81	PASS
BLE_2M	Ant1	2402	0~Reference	-4.03	-4.03	---	PASS
BLE_2M	Ant1	2402	30~1000	-4.03	-68.24	≤-24.03	PASS
BLE_2M	Ant1	2402	1000~26500	-4.03	-45.82	≤-24.03	PASS
BLE_2M	Ant1	2440	0~Reference	-3.91	-3.91	---	PASS
BLE_2M	Ant1	2440	30~1000	-3.91	-68.28	≤-23.91	PASS
BLE_2M	Ant1	2440	1000~26500	-3.91	-41.67	≤-23.91	PASS
BLE_2M	Ant1	2480	0~Reference	-5.55	-5.55	---	PASS
BLE_2M	Ant1	2480	30~1000	-5.55	-67.28	≤-25.55	PASS
BLE_2M	Ant1	2480	1000~26500	-5.55	-39.81	≤-25.55	PASS



Test Graphs



Shenzhen Anbotech 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@anbotech.com

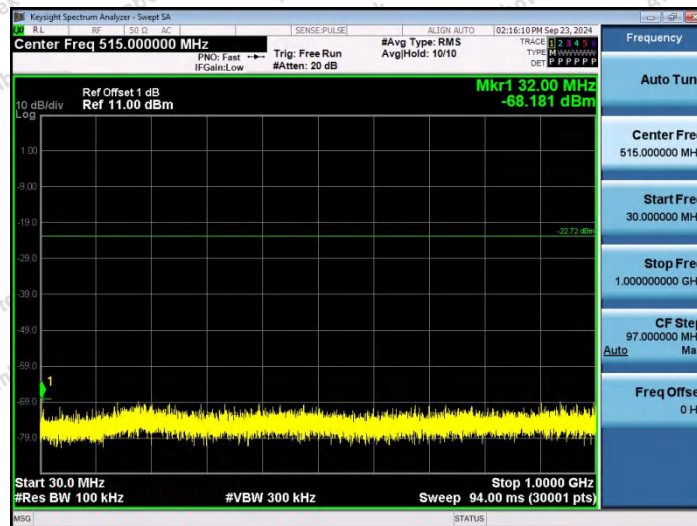


Hotline
400-003-0500
www.anbotech.com

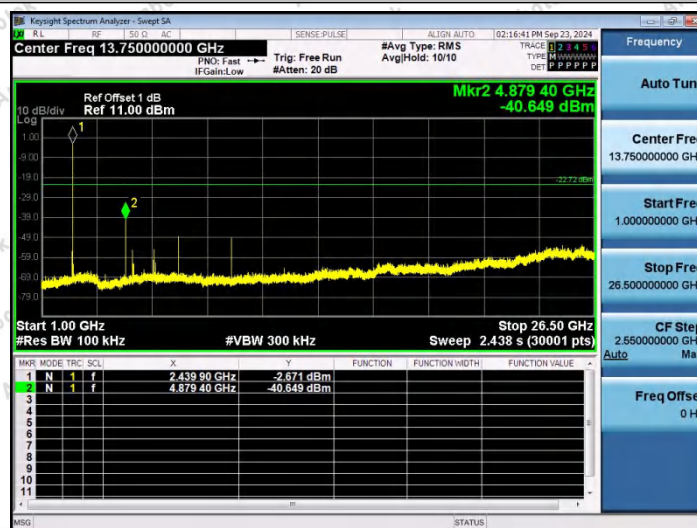




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

Shenzhen Anbotech 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@anbotech.com

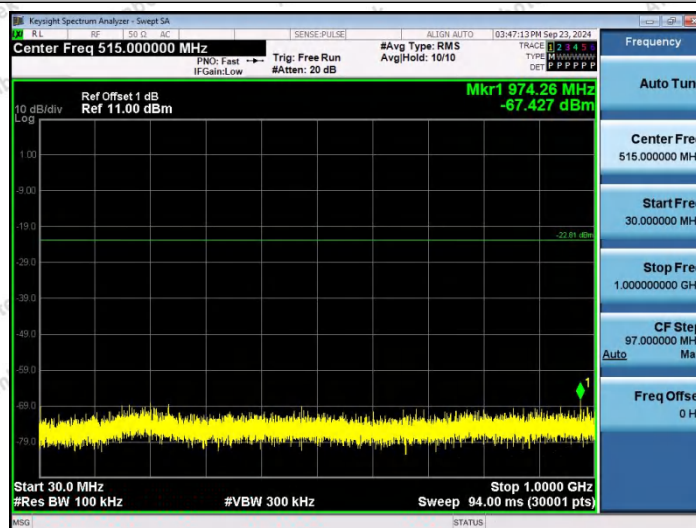


Hotline
400-003-0500
www.anbotech.com

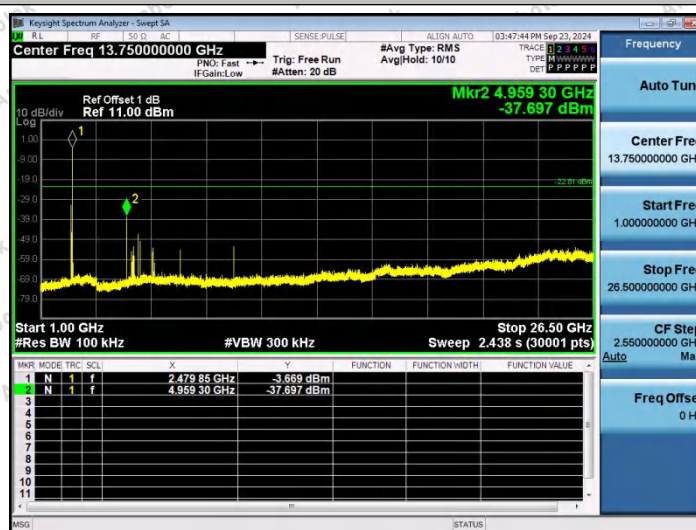




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

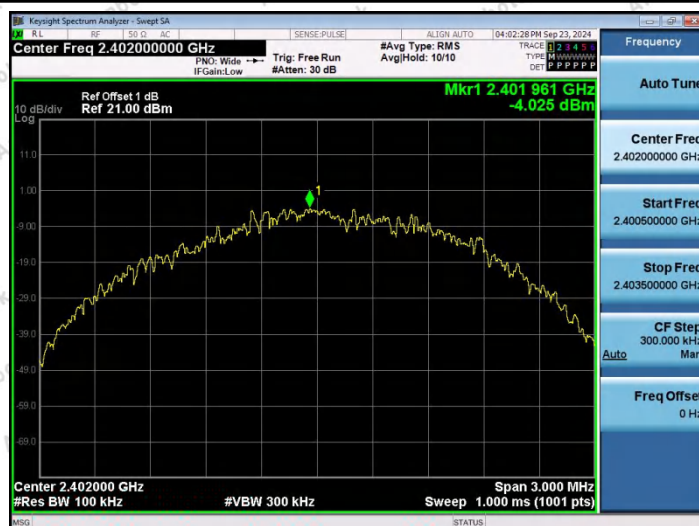
Shenzhen Anbotech Compliance Laboratory Limited

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@anbotech.com

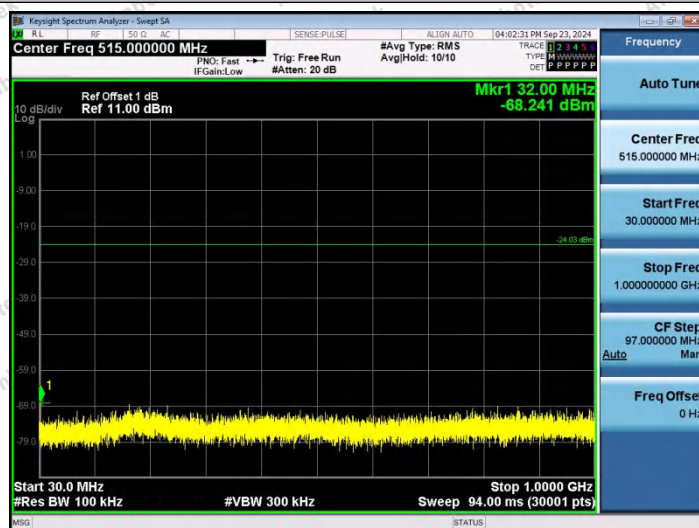


Hotline
400-003-0500
www.anbotech.com

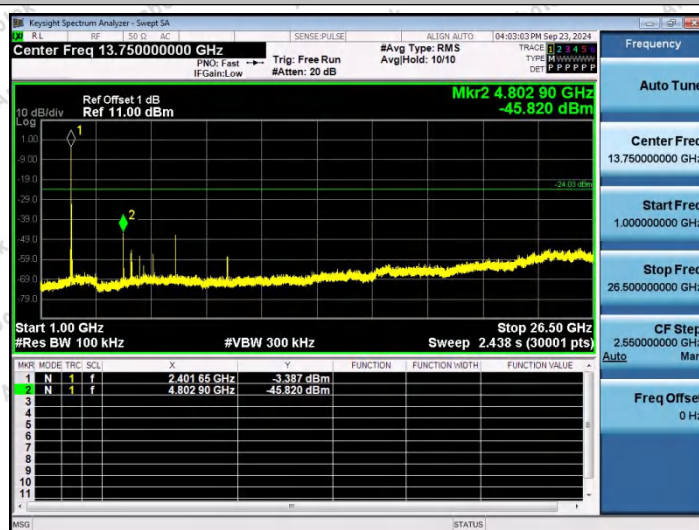




BLE_2M-Ant1-2402-0~Reference-PASS

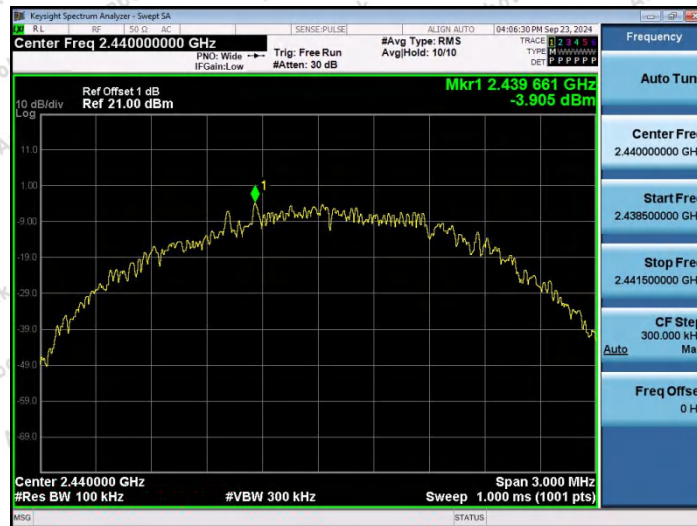


BLE_2M-Ant1-2402-30~1000-PASS

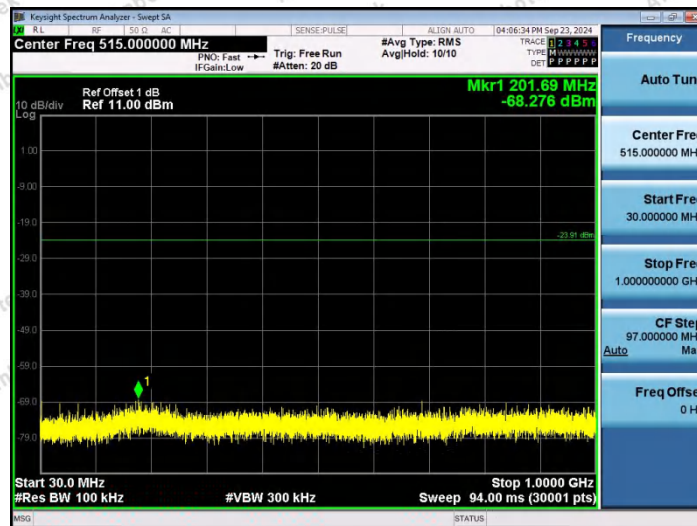


BLE_2M-Ant1-2402-1000~26500-PASS

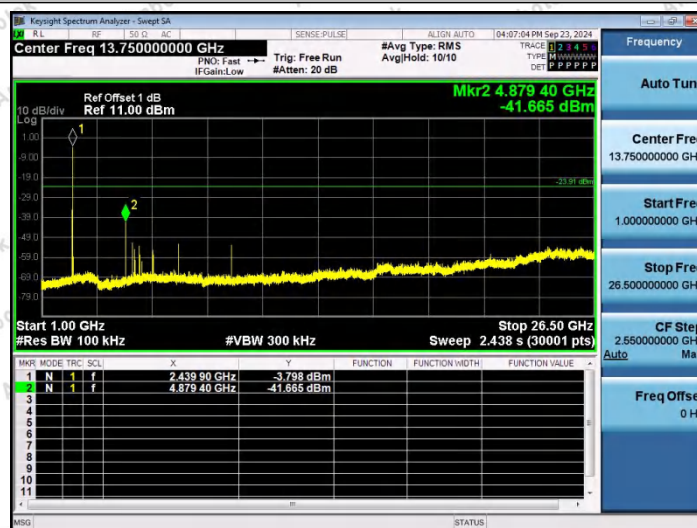




BLE_2M-Ant1-2440-0~Reference-PASS

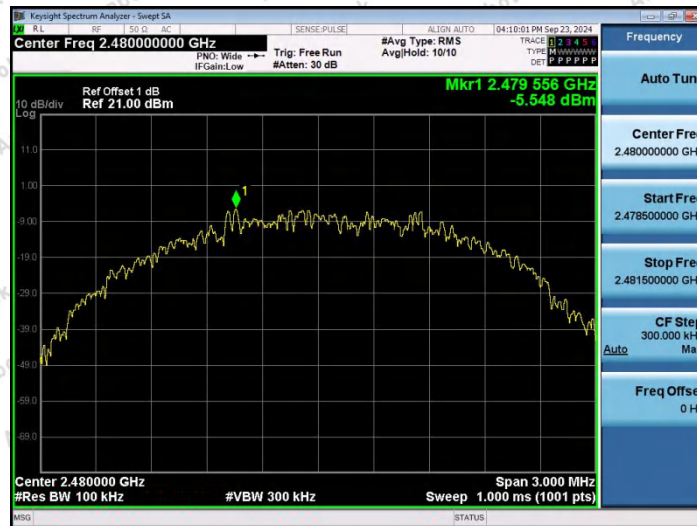


BLE_2M-Ant1-2440-30~1000-PASS

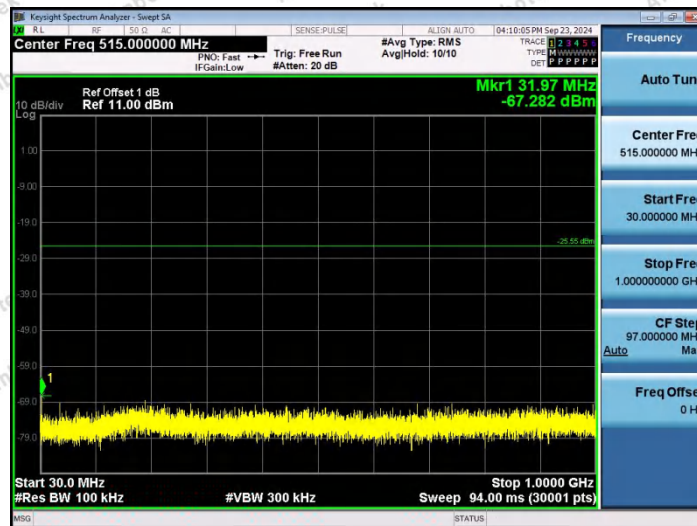


BLE_2M-Ant1-2440-1000~26500-PASS

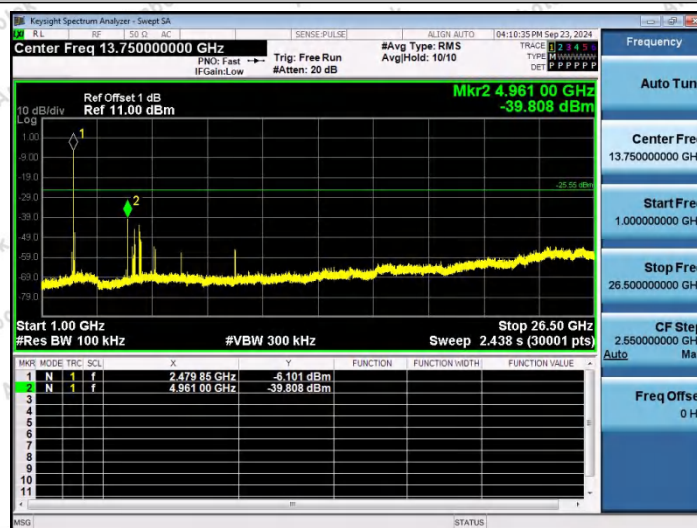




BLE_2M-Ant1-2480-0~Reference-PASS



BLE_2M-Ant1-2480-30~1000-PASS



BLE_2M-Ant1-2480-1000~26500-PASS



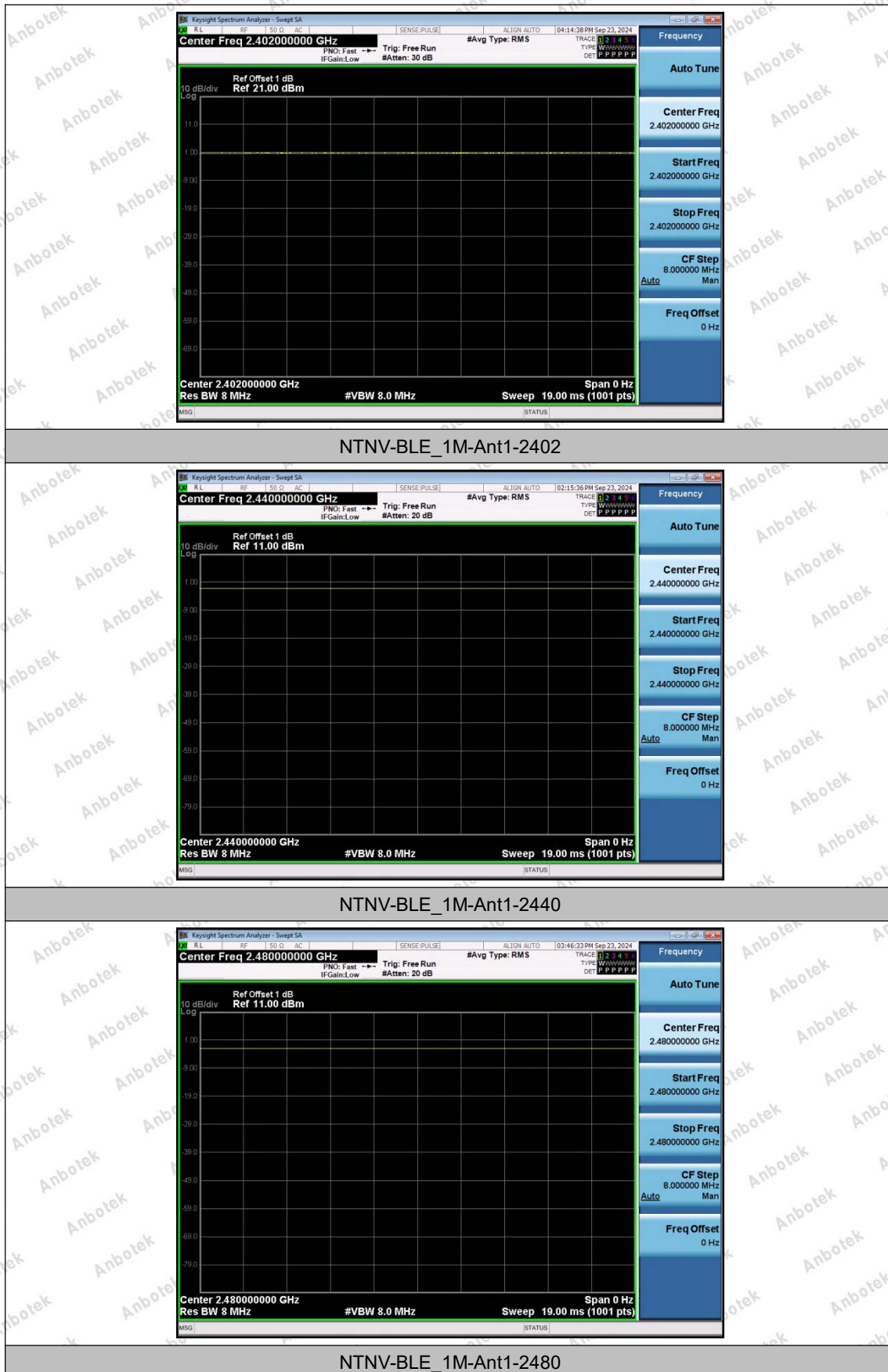
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.00	0.00	100	NaN
BLE_1M	Ant1	2440	0.00	0.00	100	NaN
BLE_1M	Ant1	2480	0.00	0.00	100	NaN
BLE_2M	Ant1	2402	0.00	0.00	100	NaN
BLE_2M	Ant1	2440	0.00	0.00	100	NaN
BLE_2M	Ant1	2480	0.00	0.00	100	NaN



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

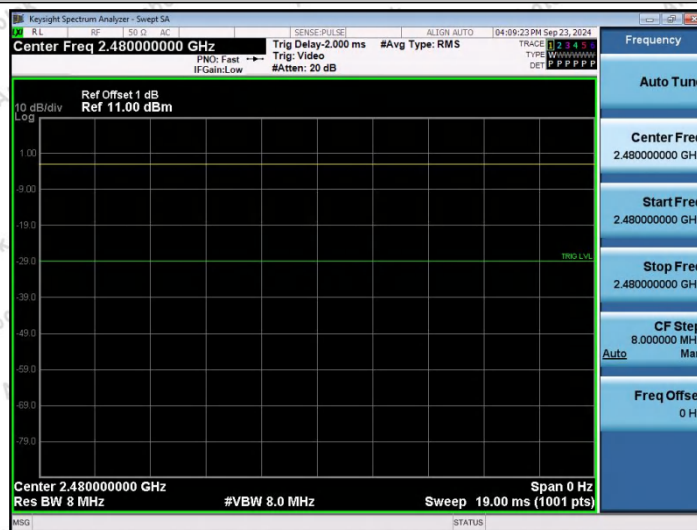




NTNV-BLE_2M-Ant1-2402



NTNV-BLE_2M-Ant1-2440



NTNV-BLE_2M-Ant1-2480

---End---

