

Appendix Test Data

Report No.:	1813C40041812501	Test Sample No.:	1-2-2
Start Test Date:	2024.09.03	Finish Test Date:	2024.09.03
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.3℃	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	0.620	2401.656	2402.276	0.5	PASS
BLE_1M	Ant1	2440	0.668	2439.652	2440.320	0.5	PASS
BLE_1M	Ant1	2480	0.716	2479.620	2480.336	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



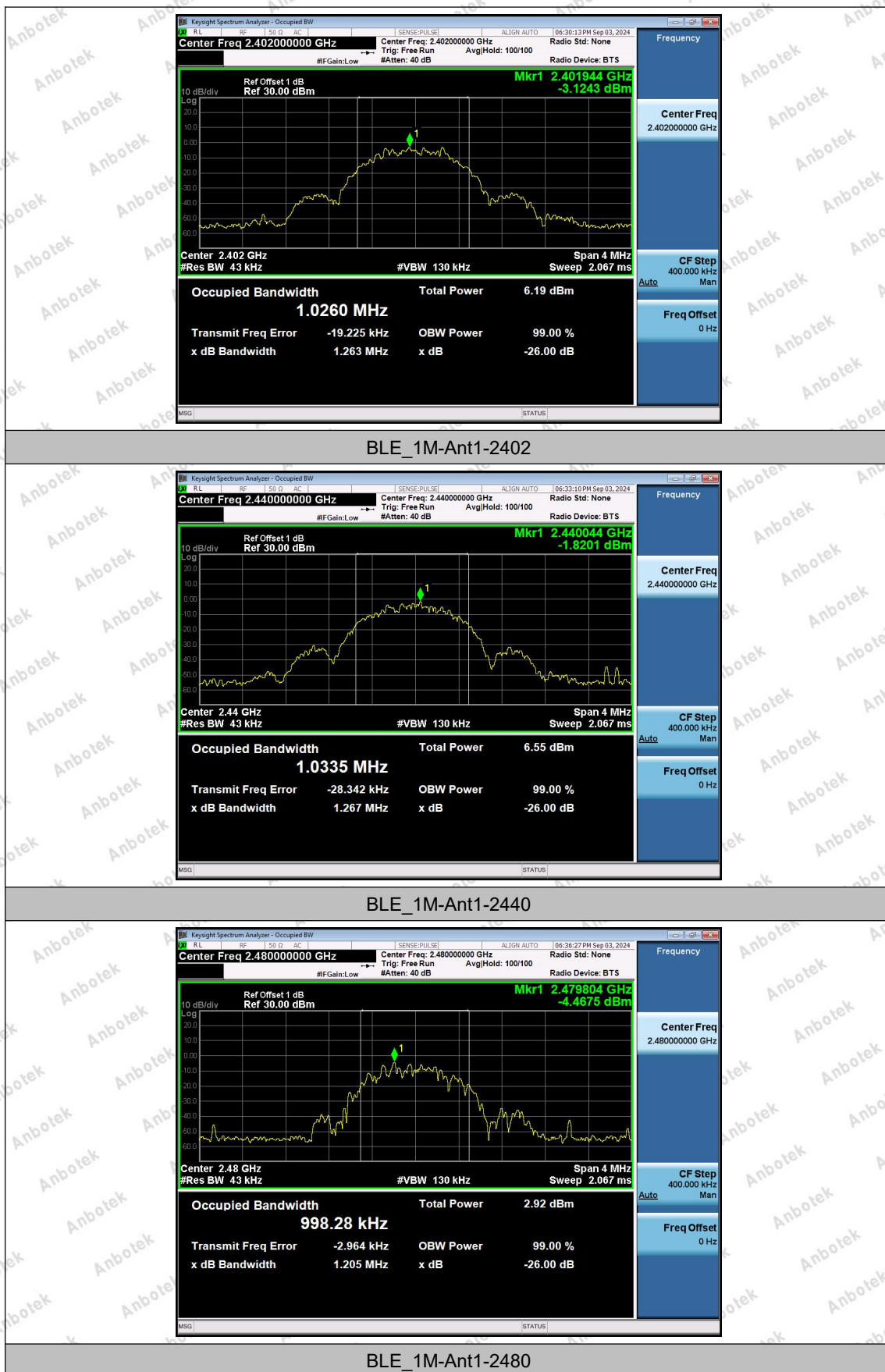
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0260	2401.4678	2402.4938	---	---
BLE_1M	Ant1	2440	1.0335	2439.4549	2440.4884	---	---
BLE_1M	Ant1	2480	0.99828	2479.4979	2480.4962	---	---



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

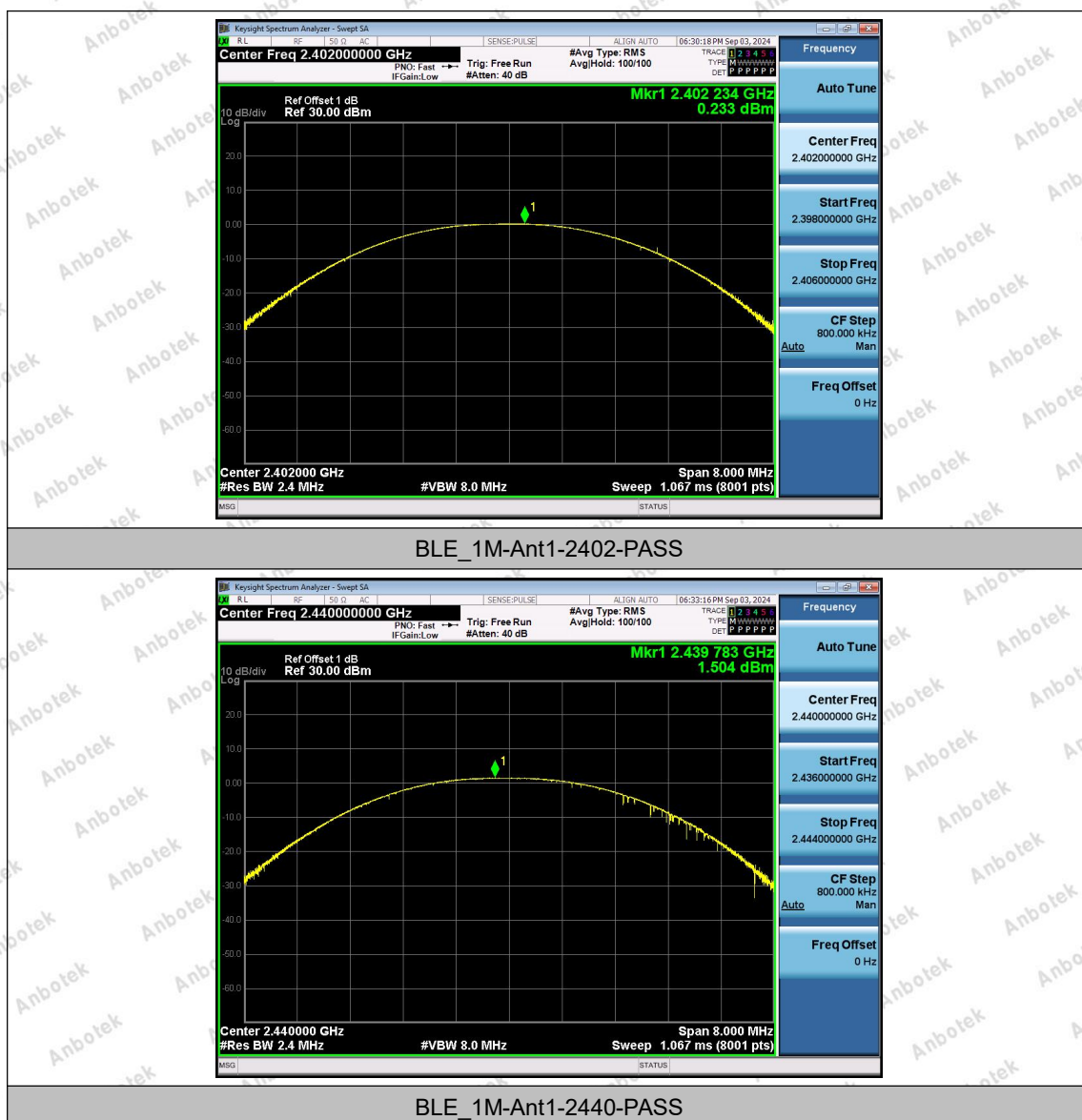


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.23	≤30	PASS
BLE_1M	Ant1	2440	1.50	≤30	PASS
BLE_1M	Ant1	2480	-0.27	≤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, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com



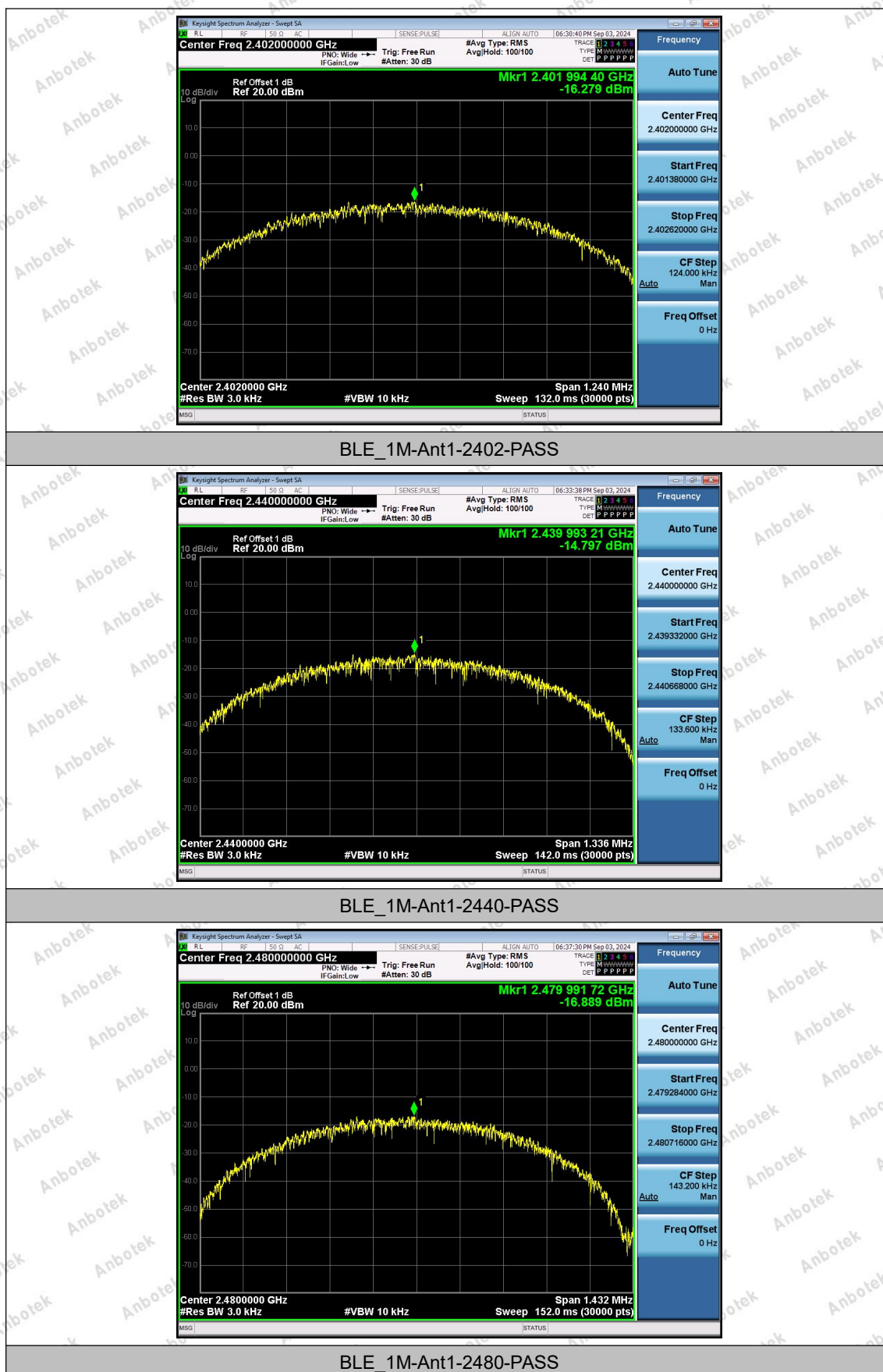
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.28	≤8.00	PASS
BLE_1M	Ant1	2440	-14.80	≤8.00	PASS
BLE_1M	Ant1	2480	-16.89	≤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



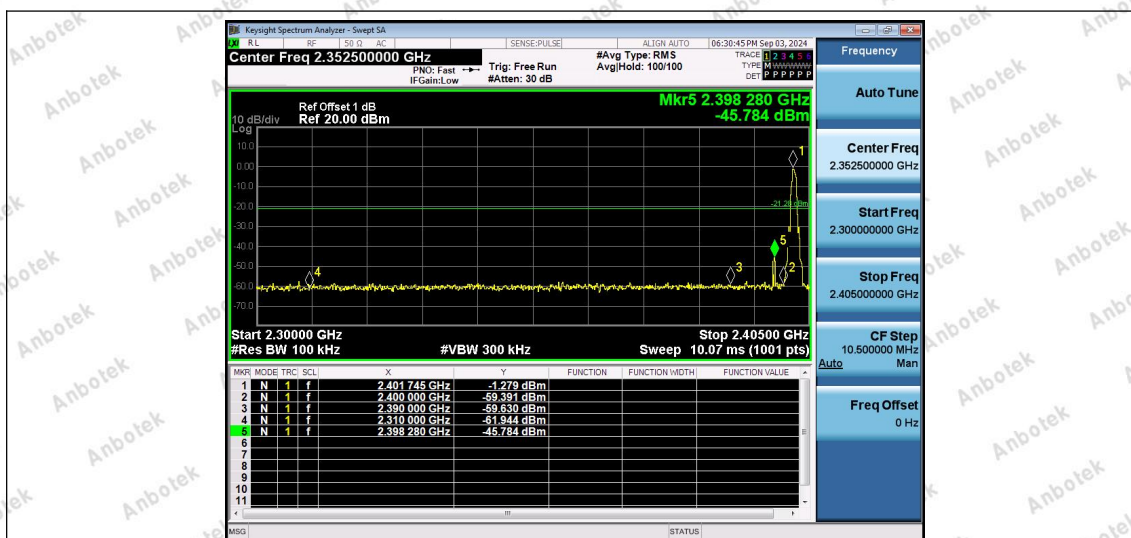
Appendix E: Band edge measurements

Test Result

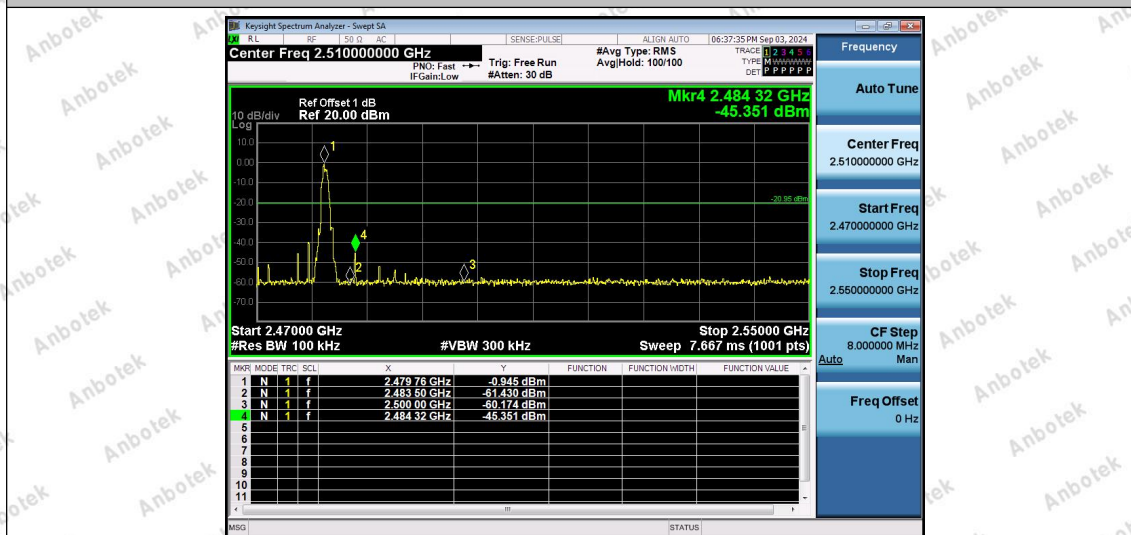
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.28	-45.78	≤-21.28	PASS
BLE_1M	Ant1	High	2480	-0.95	-45.35	≤-20.95	PASS



Test Graphs



BLE 1M-Ant1-2402-PASS



BLE 1M-Ant1-2480-PASS



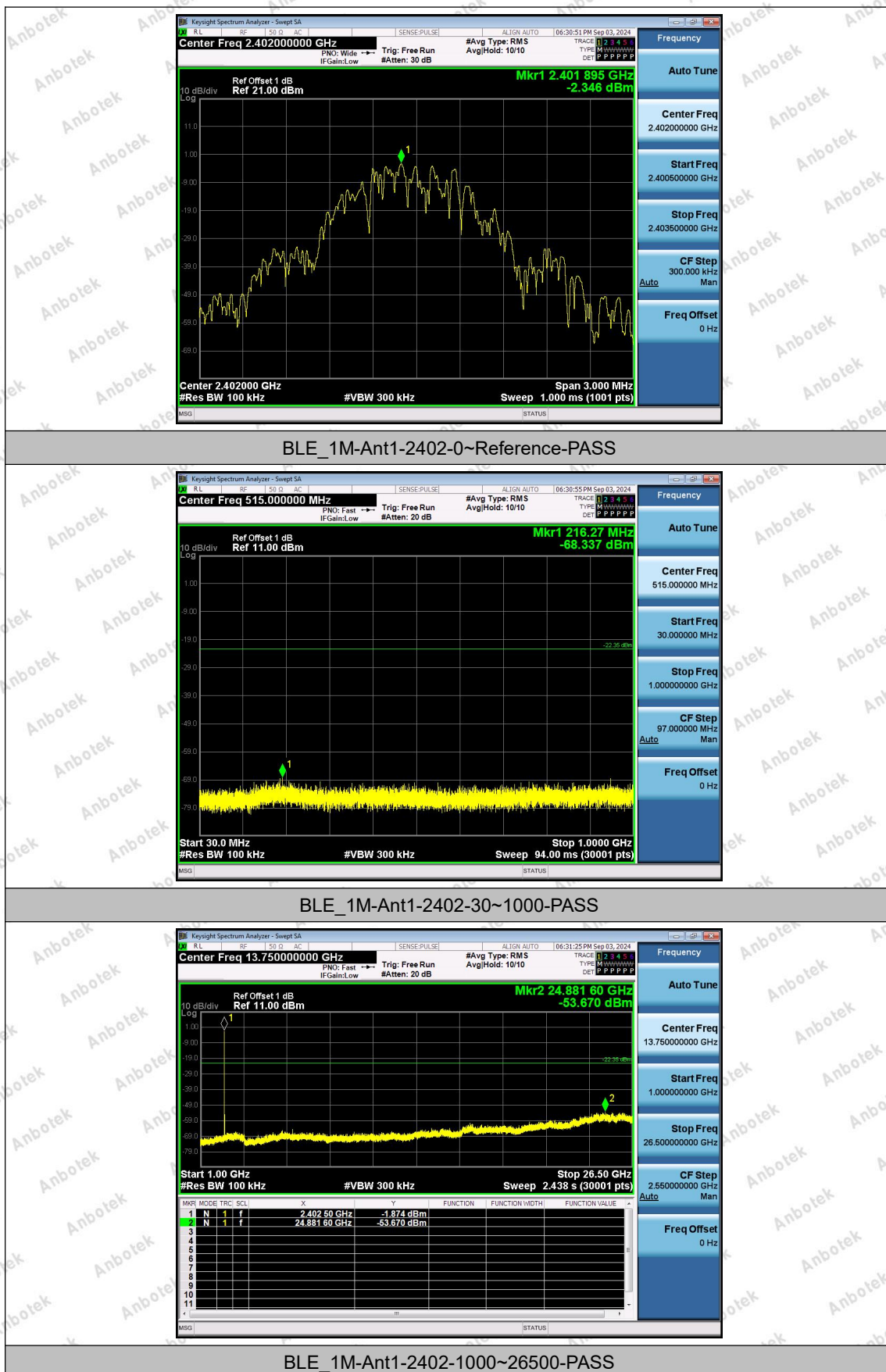
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.35	-2.35	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.35	-68.34	≤-22.35	PASS
BLE_1M	Ant1	2402	1000~26500	-2.35	-53.67	≤-22.35	PASS
BLE_1M	Ant1	2440	0~Reference	0.30	0.30	---	PASS
BLE_1M	Ant1	2440	30~1000	0.30	-67.97	≤-19.7	PASS
BLE_1M	Ant1	2440	1000~26500	0.30	-53.26	≤-19.7	PASS
BLE_1M	Ant1	2480	0~Reference	-1.16	-1.16	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.16	-68.89	≤-21.16	PASS
BLE_1M	Ant1	2480	1000~26500	-1.16	-52.85	≤-21.16	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

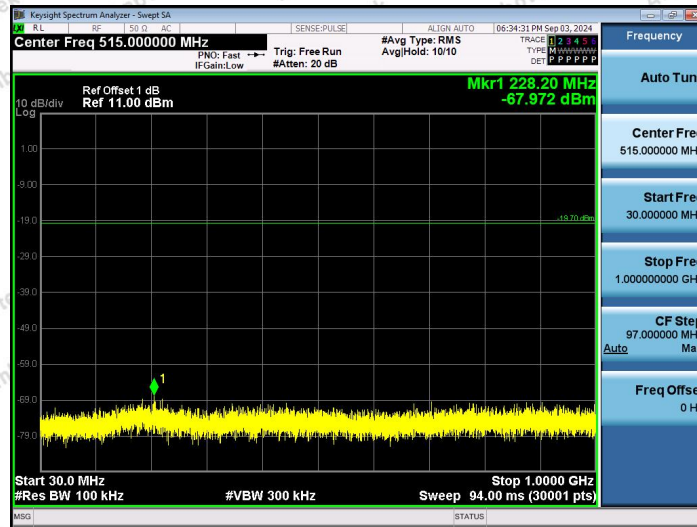


Hotline
 400-003-0500
 www.anbotek.com

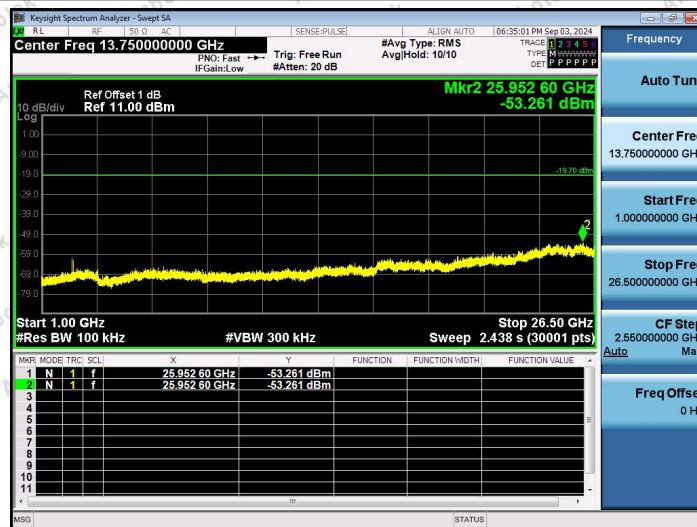




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS

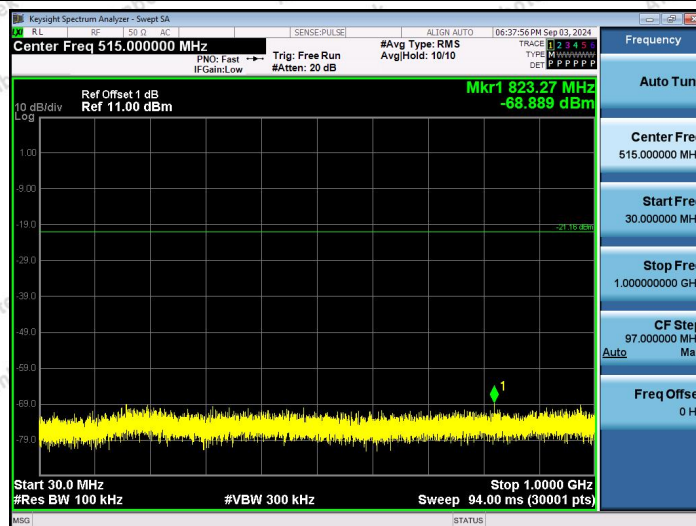


BLE_1M-Ant1-2440-1000~26500-PASS

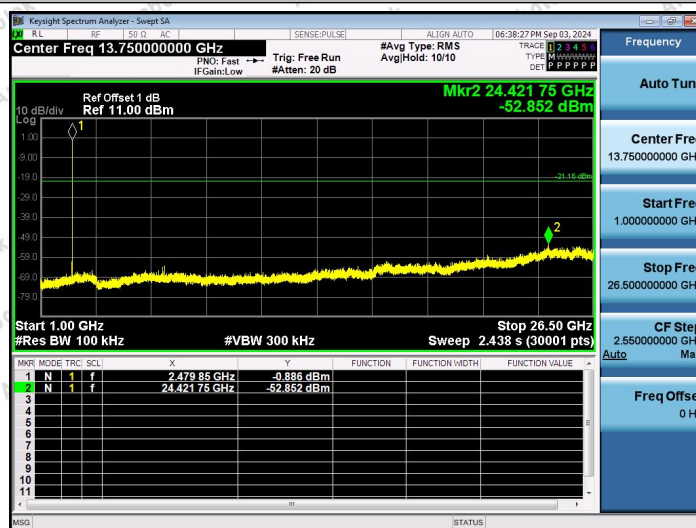




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

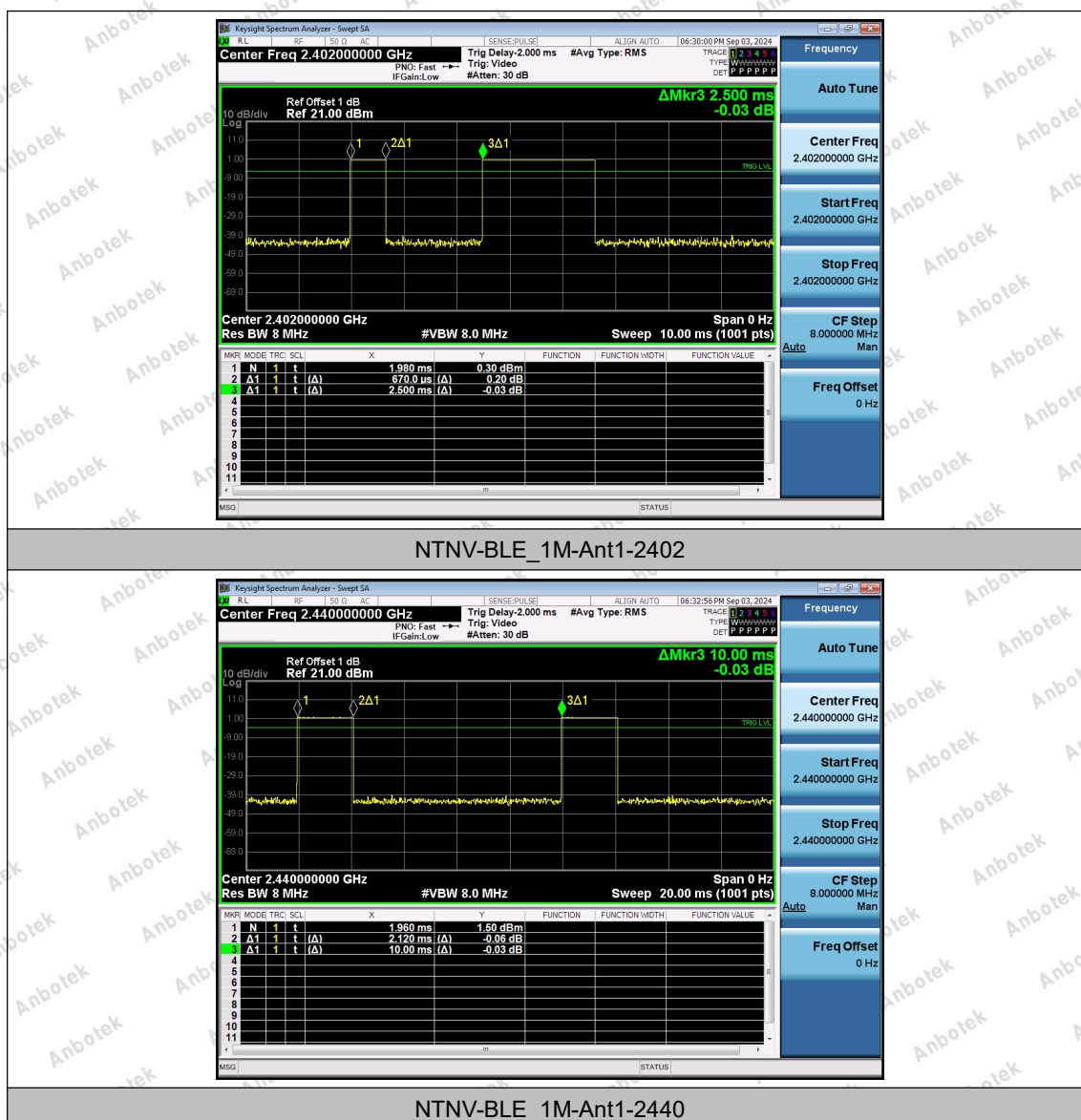


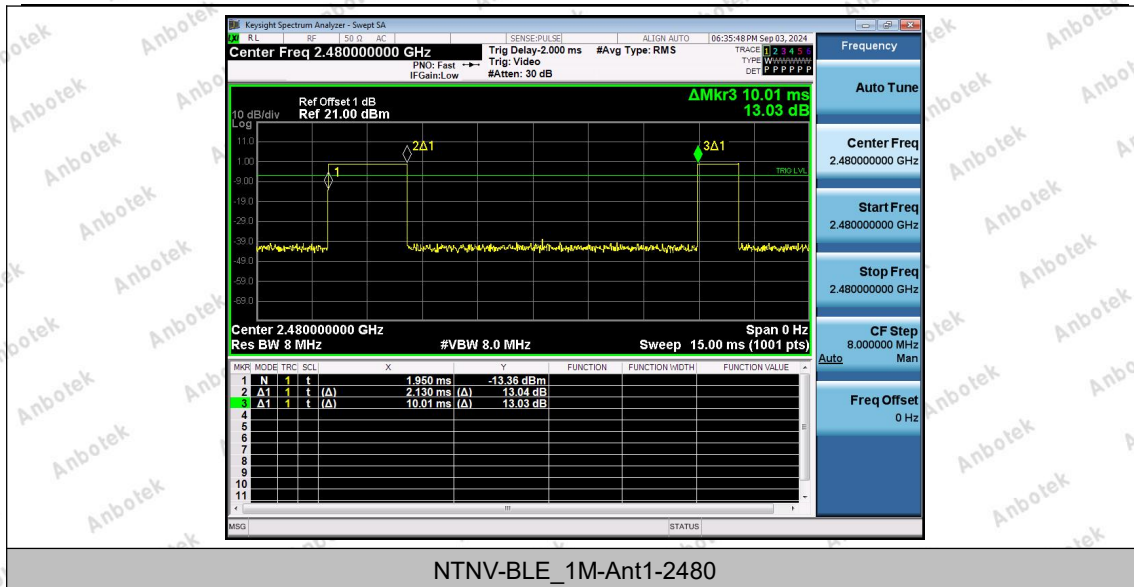
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.67	2.50	26.80	5.72
BLE_1M	Ant1	2440	2.12	10.00	21.20	6.74
BLE_1M	Ant1	2480	2.13	10.01	21.28	6.72

Test Graphs





---End---

