

Appendix Test Data

Report No.:	1819C40030812502	Test Sample No.:	1-2-2
Start Test Date:	2024.9.6	Finish Test Date:	2024.9.6
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

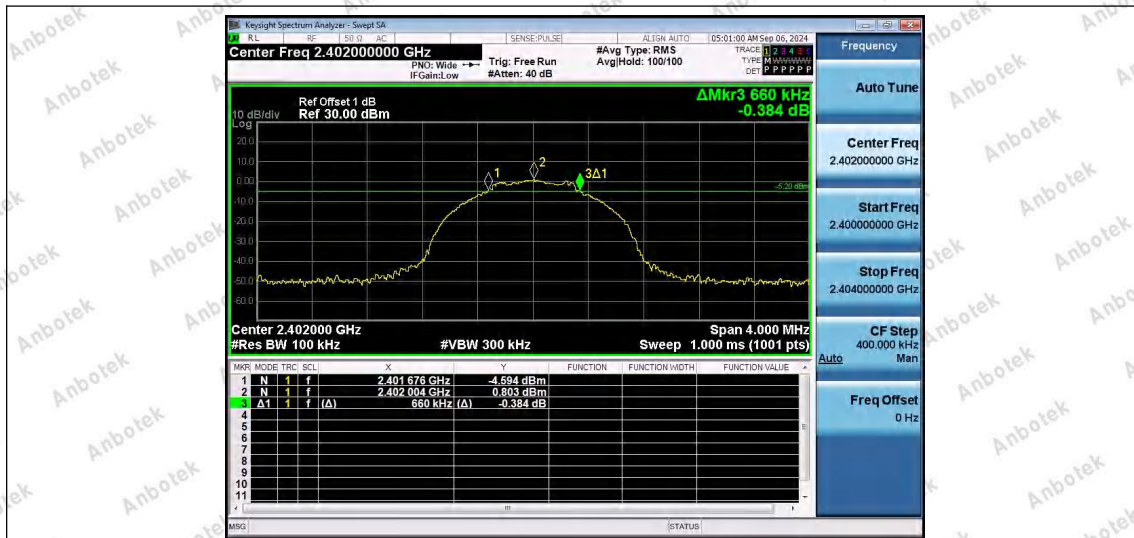
Appendix A: 6dB Bandwidth

Test Result

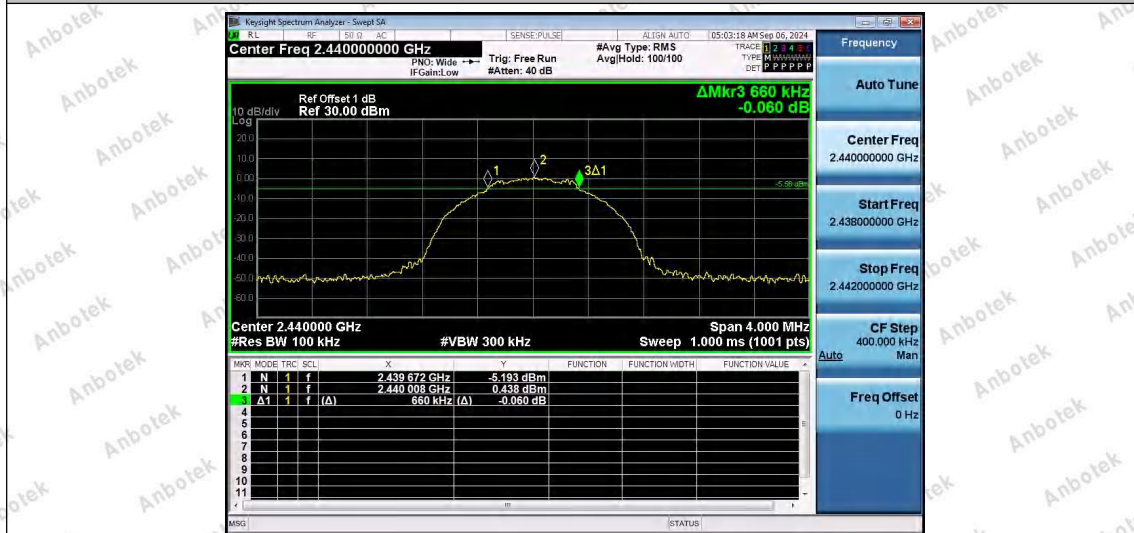
TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.676	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.660	2439.672	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.652	2479.684	2480.336	0.5	PASS
BLE_2M	Ant1	2402	1.328	2401.332	2402.660	0.5	PASS
BLE_2M	Ant1	2440	1.312	2439.356	2440.668	0.5	PASS
BLE_2M	Ant1	2480	1.340	2479.332	2480.672	0.5	PASS



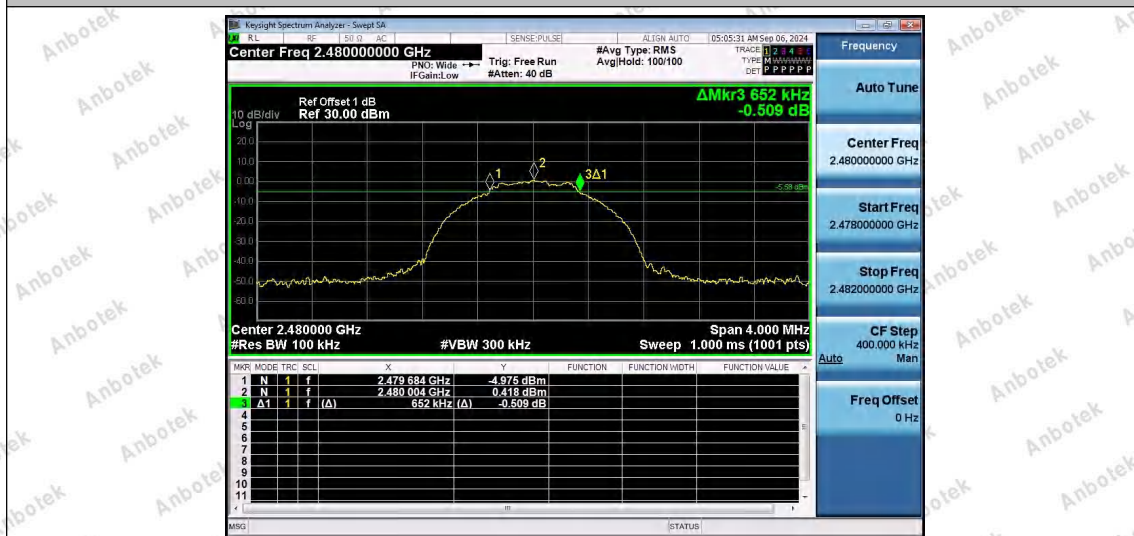
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

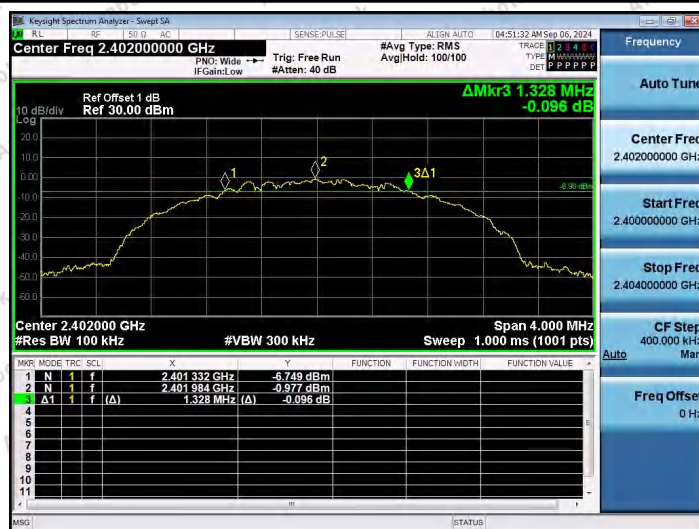
Shenzhen Anbotech Compliance Laboratory Limited

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

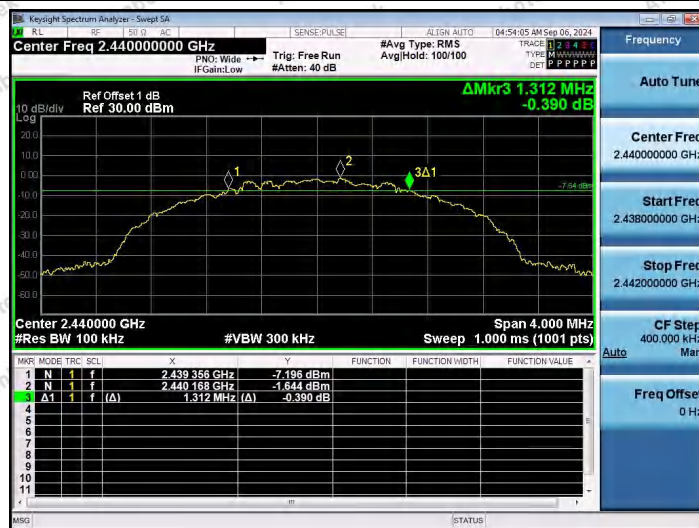


Hotline
400-003-0500
www.anbotech.com





BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-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



Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0738	2401.4677	2402.5415	---	---
BLE_1M	Ant1	2440	1.0759	2439.4662	2440.5421	---	---
BLE_1M	Ant1	2480	1.0808	2479.4647	2480.5455	---	---
BLE_2M	Ant1	2402	2.1389	2400.9470	2403.0859	---	---
BLE_2M	Ant1	2440	2.1389	2438.9456	2441.0845	---	---
BLE_2M	Ant1	2480	2.1416	2478.9437	2481.0853	---	---



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-Left Earphone

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.90	≤30	PASS
BLE_1M	Ant1	2440	2.26	≤30	PASS
BLE_1M	Ant1	2480	2.38	≤30	PASS
BLE_2M	Ant1	2402	2.62	≤30	PASS
BLE_2M	Ant1	2440	2.00	≤30	PASS
BLE_2M	Ant1	2480	2.03	≤30	PASS



Test Graphs Peak-Left Earphone



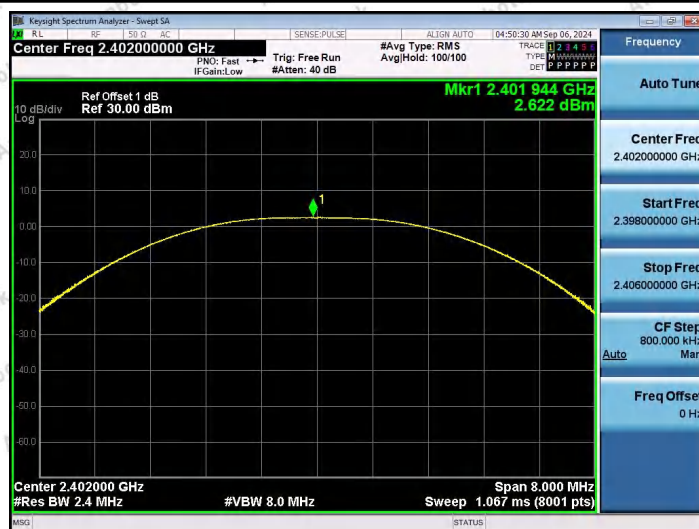
Shenzhen Anbotek Compliance Laboratory Limited

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

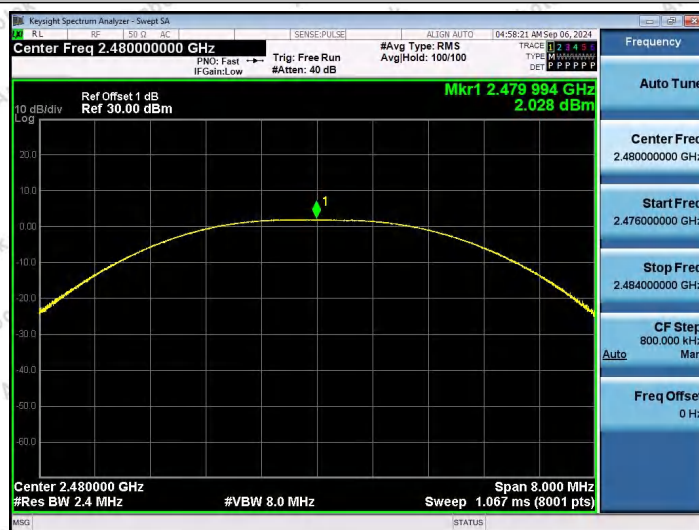




BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

Shenzhen 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



Test Result-Right Earphone

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.60	≤30	PASS
BLE_1M	Ant1	2440	-3.12	≤30	PASS
BLE_1M	Ant1	2480	-6.32	≤30	PASS
BLE_2M	Ant1	2402	-1.56	≤30	PASS
BLE_2M	Ant1	2440	-3.10	≤30	PASS
BLE_2M	Ant1	2480	-6.31	≤30	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



Test Graphs-Right Earphone

Peak_Output_Power_NVNT_ANT1_1Mbps_2402



Peak_Output_Power_NVNT_ANT1_1Mbps_2440



Peak_Output_Power_NVNT_ANT1_1Mbps_2480



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



Peak_Output_Power_NVNT_ANT1_2Mbps_2402



Peak_Output_Power_NVNT_ANT1_2Mbps_2440



Peak_Output_Power_NVNT_ANT1_2Mbps_2480



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.94	≤8.00	PASS
BLE_1M	Ant1	2440	-14.53	≤8.00	PASS
BLE_1M	Ant1	2480	-14.17	≤8.00	PASS
BLE_2M	Ant1	2402	-18.77	≤8.00	PASS
BLE_2M	Ant1	2440	-19.08	≤8.00	PASS
BLE_2M	Ant1	2480	-19.11	≤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

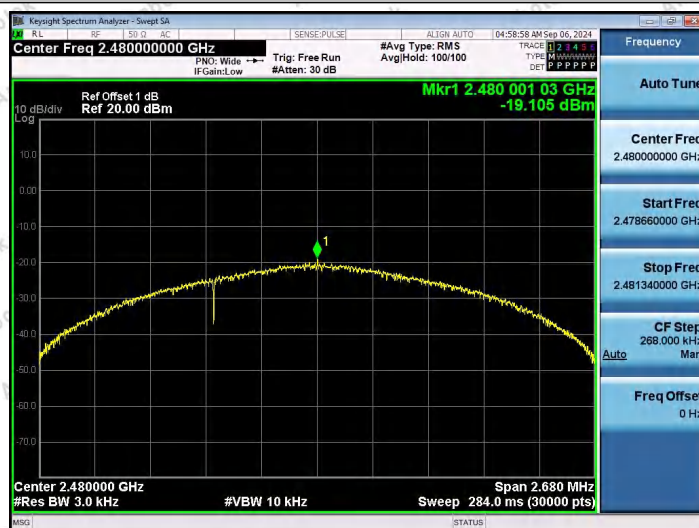




BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS



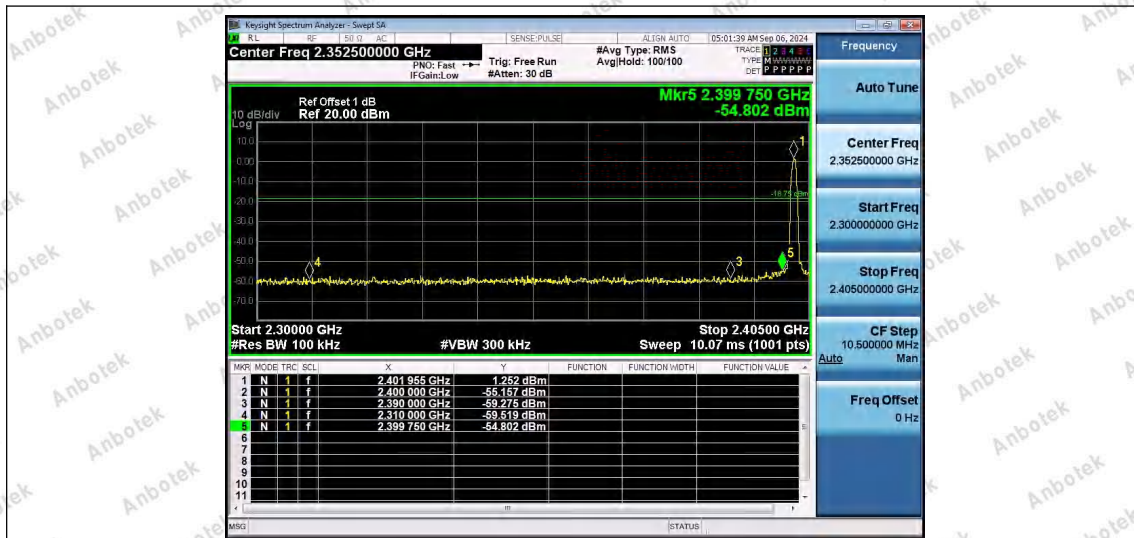
Appendix E: Band edge measurements

Test Result

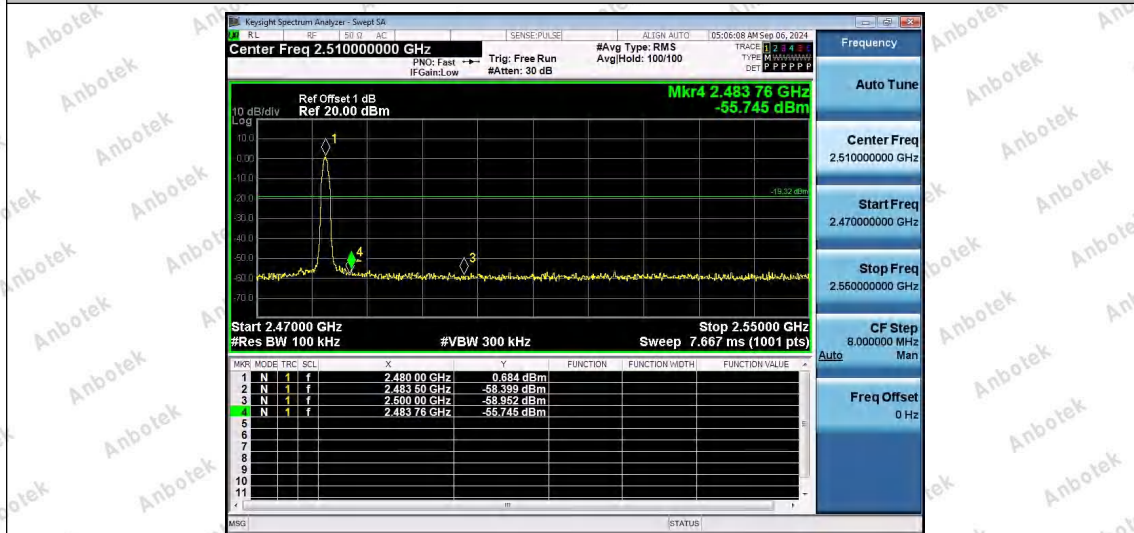
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.25	-54.8	≤-18.75	PASS
BLE_1M	Ant1	High	2480	0.68	-55.75	≤-19.32	PASS
BLE_2M	Ant1	Low	2402	-0.35	-50.73	≤-20.35	PASS
BLE_2M	Ant1	High	2480	-0.97	-55.96	≤-20.97	PASS



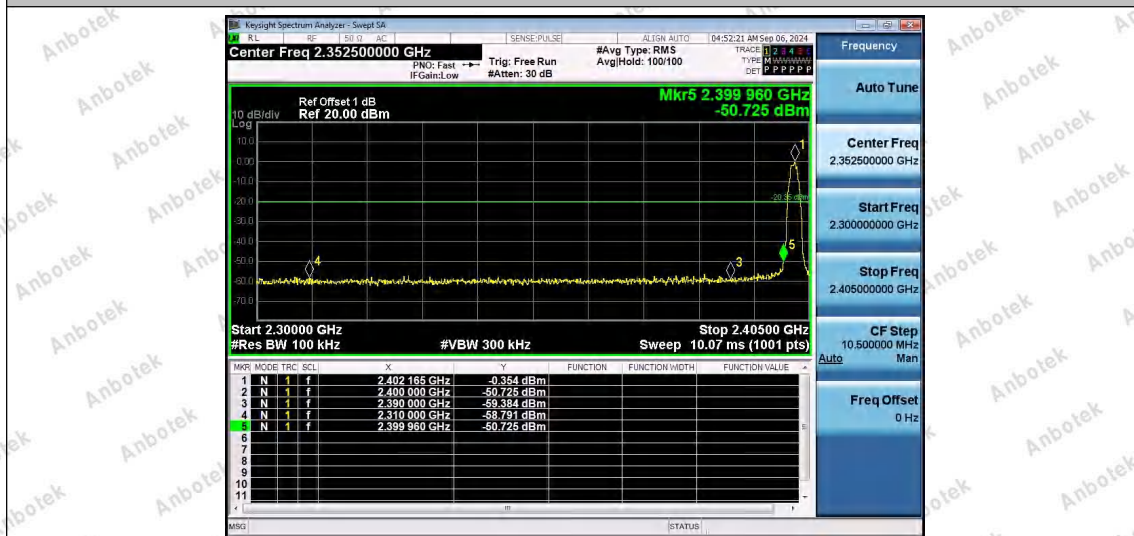
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS

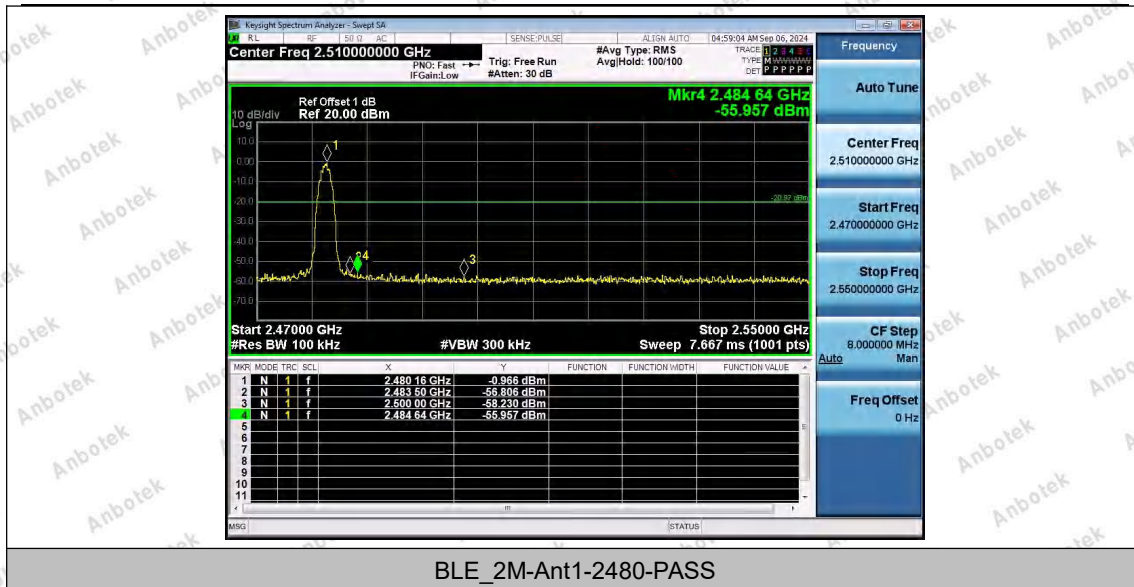
Shenzhen Anbotech Compliance Laboratory Limited

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-Ant1-2480-PASS



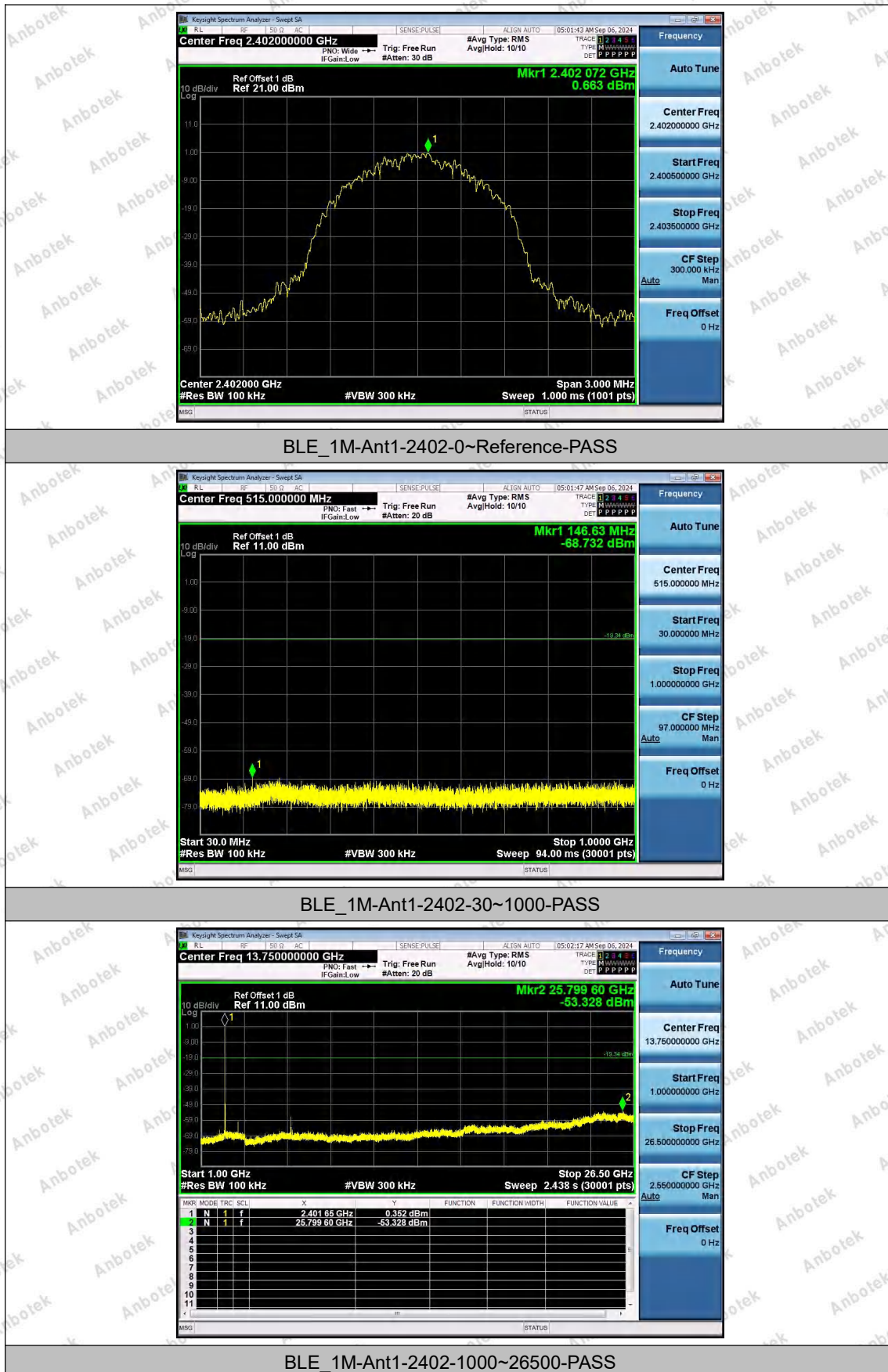
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.66	0.66	---	PASS
BLE_1M	Ant1	2402	30~1000	0.66	-68.73	≤-19.34	PASS
BLE_1M	Ant1	2402	1000~26500	0.66	-53.33	≤-19.34	PASS
BLE_1M	Ant1	2440	0~Reference	-0.17	-0.17	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.17	-68.2	≤-20.17	PASS
BLE_1M	Ant1	2440	1000~26500	-0.17	-54.1	≤-20.17	PASS
BLE_1M	Ant1	2480	0~Reference	-0.19	-0.19	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.19	-68.23	≤-20.19	PASS
BLE_1M	Ant1	2480	1000~26500	-0.19	-53.12	≤-20.19	PASS
BLE_2M	Ant1	2402	0~Reference	-1.05	-1.05	---	PASS
BLE_2M	Ant1	2402	30~1000	-1.05	-68.47	≤-21.05	PASS
BLE_2M	Ant1	2402	1000~26500	-1.05	-53.21	≤-21.05	PASS
BLE_2M	Ant1	2440	0~Reference	-1.76	-1.76	---	PASS
BLE_2M	Ant1	2440	30~1000	-1.76	-68.2	≤-21.76	PASS
BLE_2M	Ant1	2440	1000~26500	-1.76	-53.66	≤-21.76	PASS
BLE_2M	Ant1	2480	0~Reference	-2.62	-2.62	---	PASS
BLE_2M	Ant1	2480	30~1000	-2.62	-68.79	≤-22.62	PASS
BLE_2M	Ant1	2480	1000~26500	-2.62	-50.34	≤-22.62	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

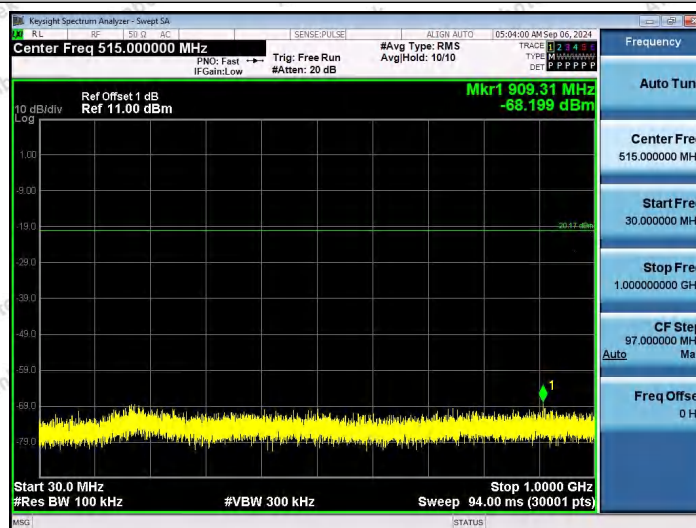


Hotline
400-003-0500
www.anbotech.com

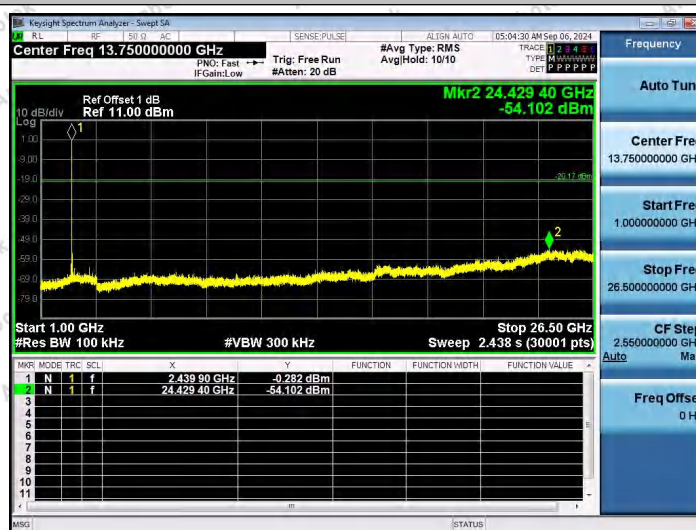




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS

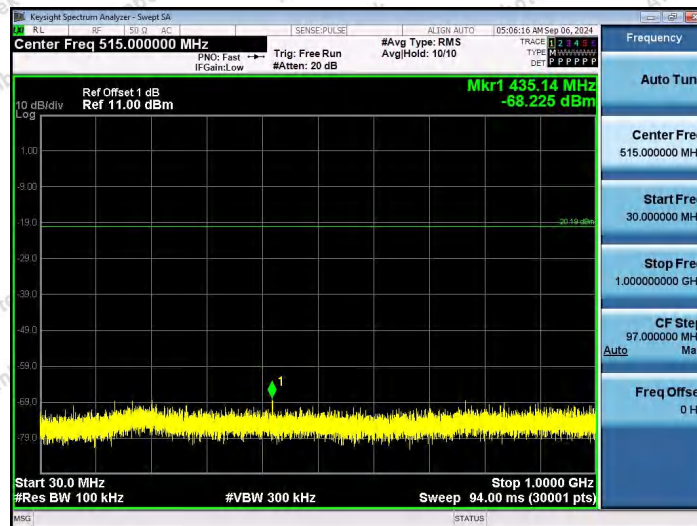


BLE_1M-Ant1-2440-1000~26500-PASS

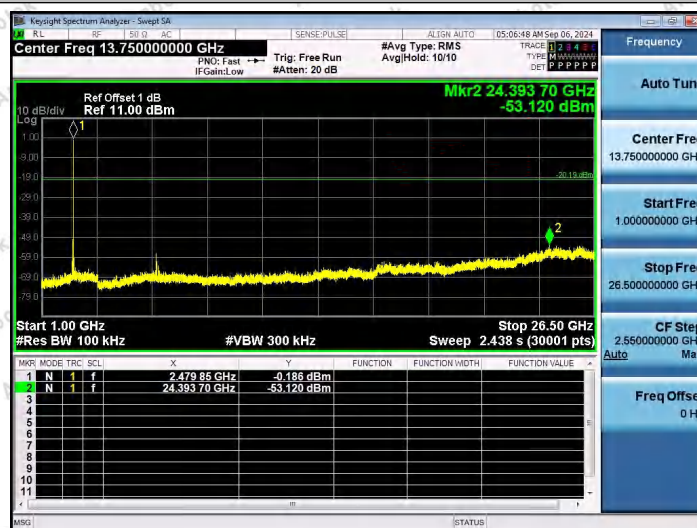




BLE_1M-Ant1-2480-0~Reference-PASS



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

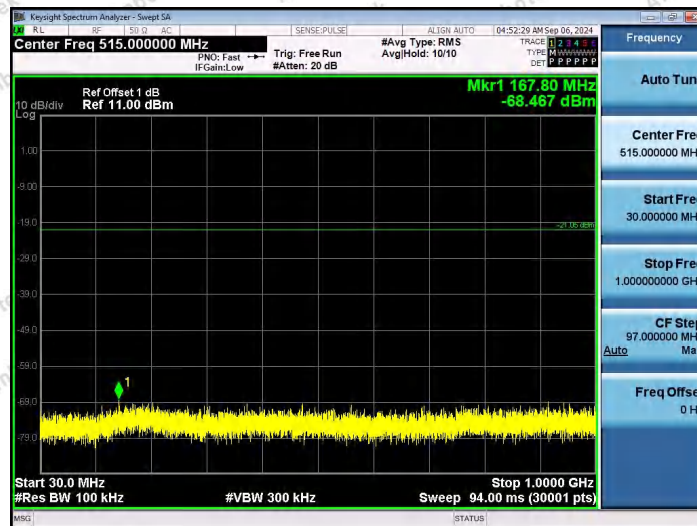


Hotline
400-003-0500
www.anbotech.com

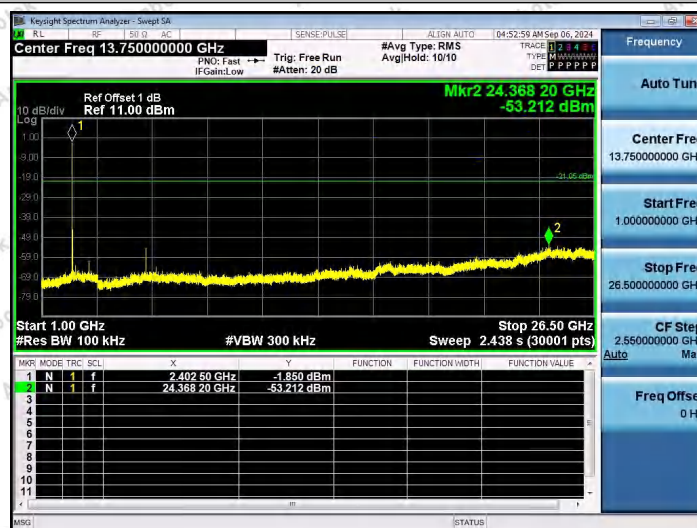




BLE_2M-Ant1-2402-0~Reference-PASS



BLE_2M-Ant1-2402-30~1000-PASS

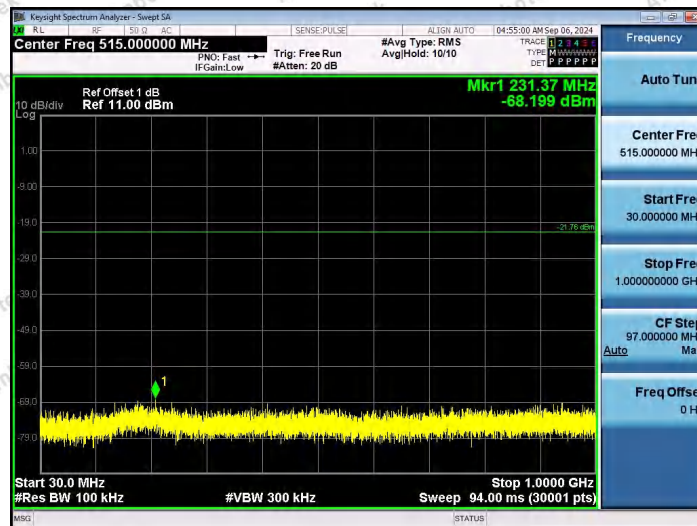


BLE_2M-Ant1-2402-1000~26500-PASS

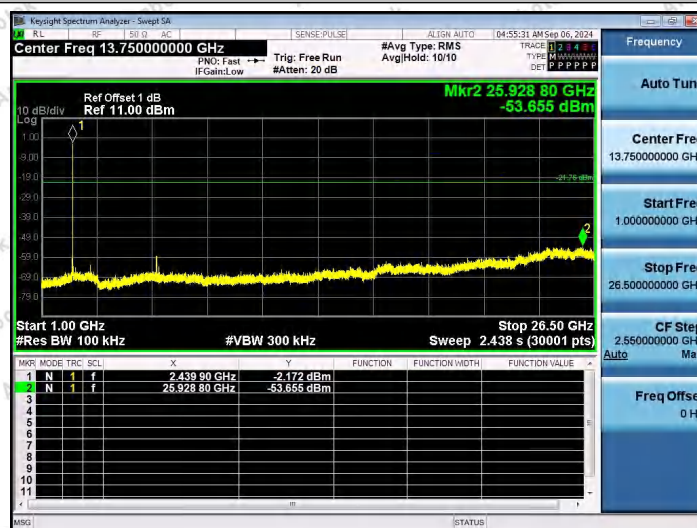




BLE_2M-Ant1-2440-0~Reference-PASS



BLE_2M-Ant1-2440-30~1000-PASS

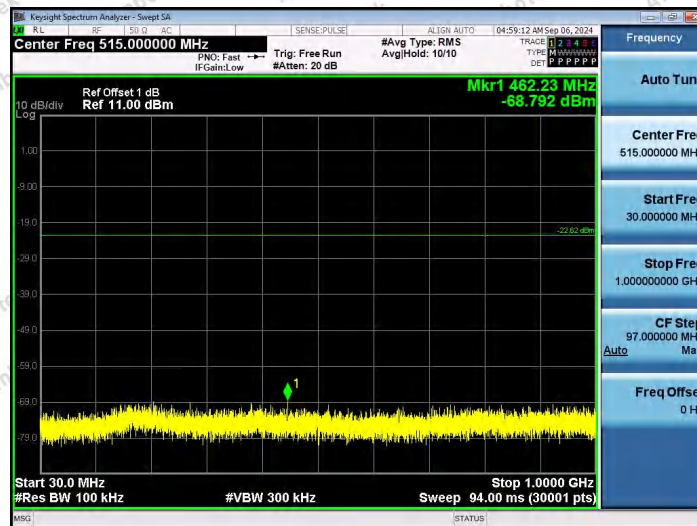


BLE_2M-Ant1-2440-1000~26500-PASS

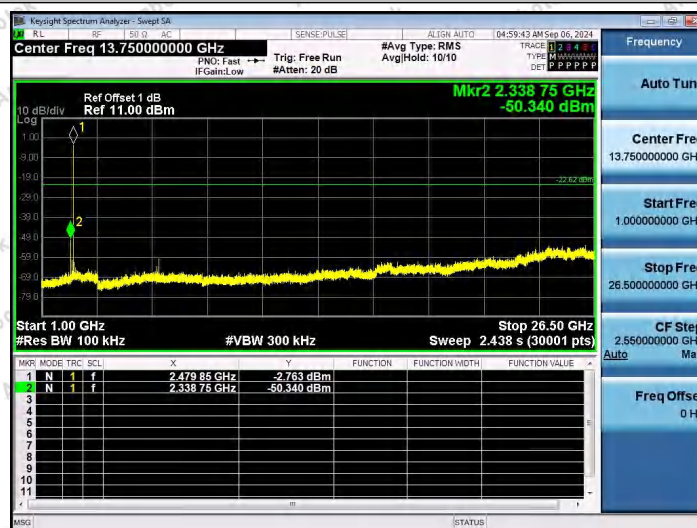




BLE_2M-Ant1-2480-0~Reference-PASS



BLE_2M-Ant1-2480-30~1000-PASS



BLE_2M-Ant1-2480-1000~26500-PASS

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



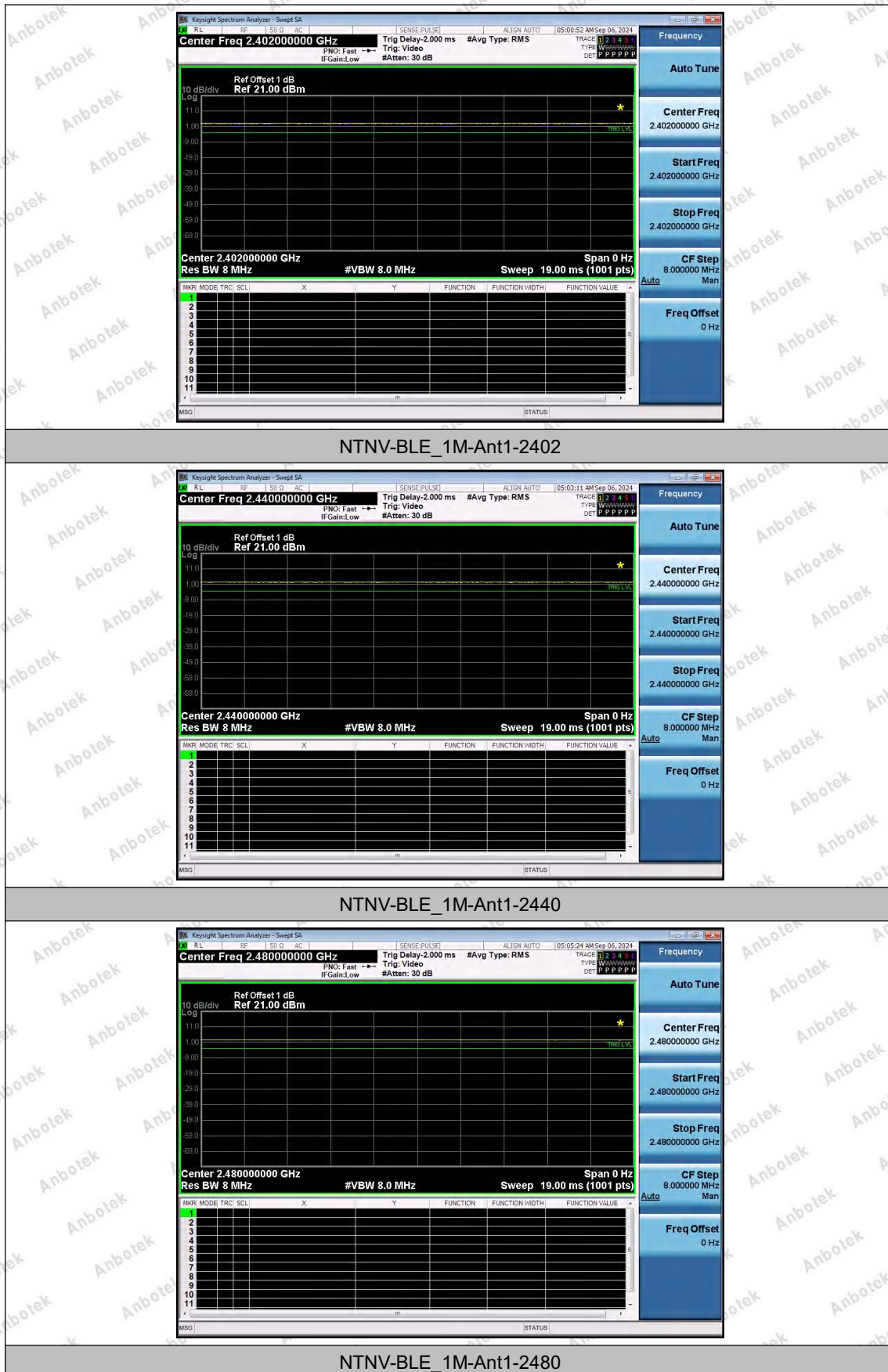
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100.00	0.00
BLE_1M	Ant1	2440	19.00	19.00	100.00	0.00
BLE_1M	Ant1	2480	19.00	19.00	100.00	0.00
BLE_2M	Ant1	2402	19.00	19.00	100.00	0.00
BLE_2M	Ant1	2440	19.00	19.00	100.00	0.00
BLE_2M	Ant1	2480	19.00	19.00	100.00	0.00



Test Graphs



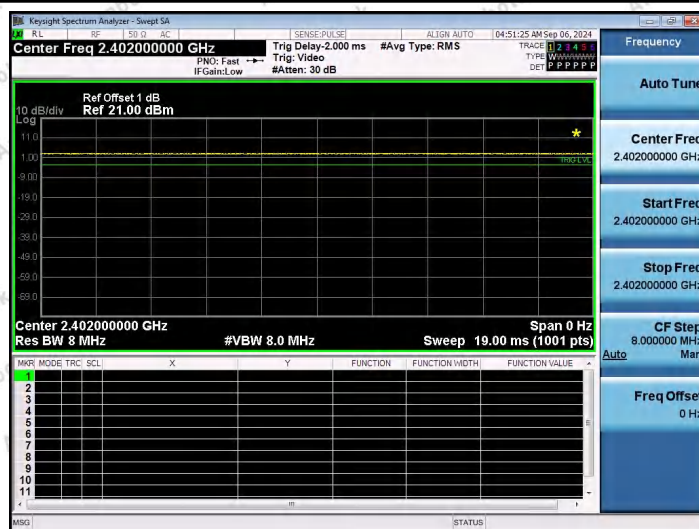
Shenzhen Anbotech Compliance Laboratory Limited

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

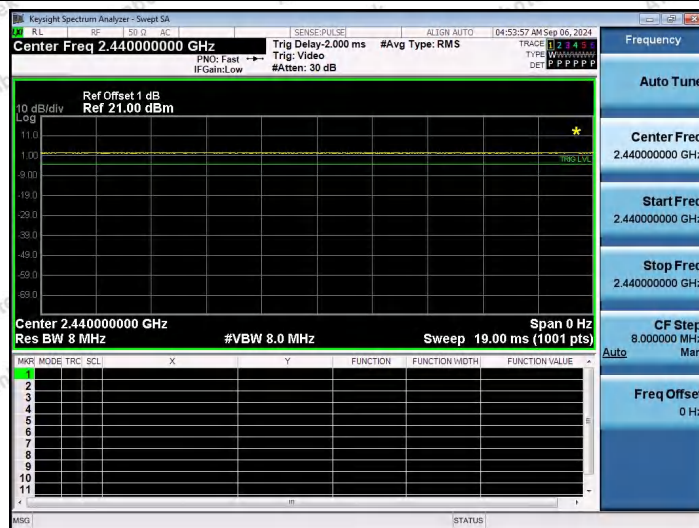


Hotline
400-003-0500
www.anbotech.com

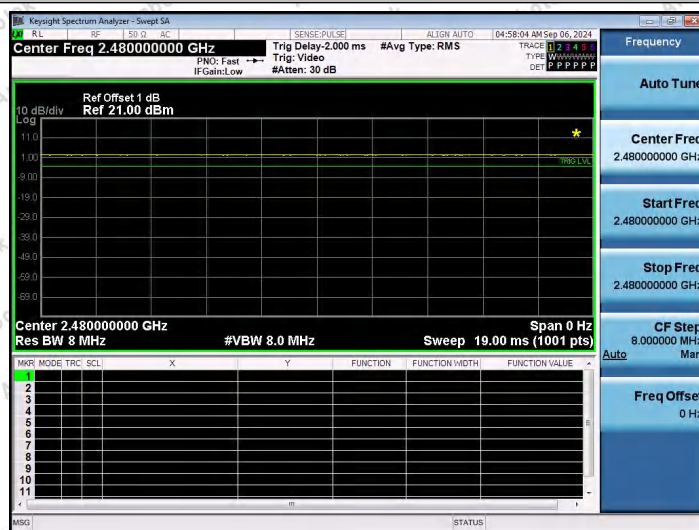




NTNV-BLE_2M-Ant1-2402



NTNV-BLE_2M-Ant1-2440



NTNV-BLE_2M-Ant1-2480

---END---

