

Appendix Test Data

Report No.:	1812C50192012502	Test Sample No.:	1-2-2
Start Test Date:	2025-05-07	Finish Test Date:	2025-05-07
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.7°C	Relative Humidity:	51%
Pressure:	101kPa		

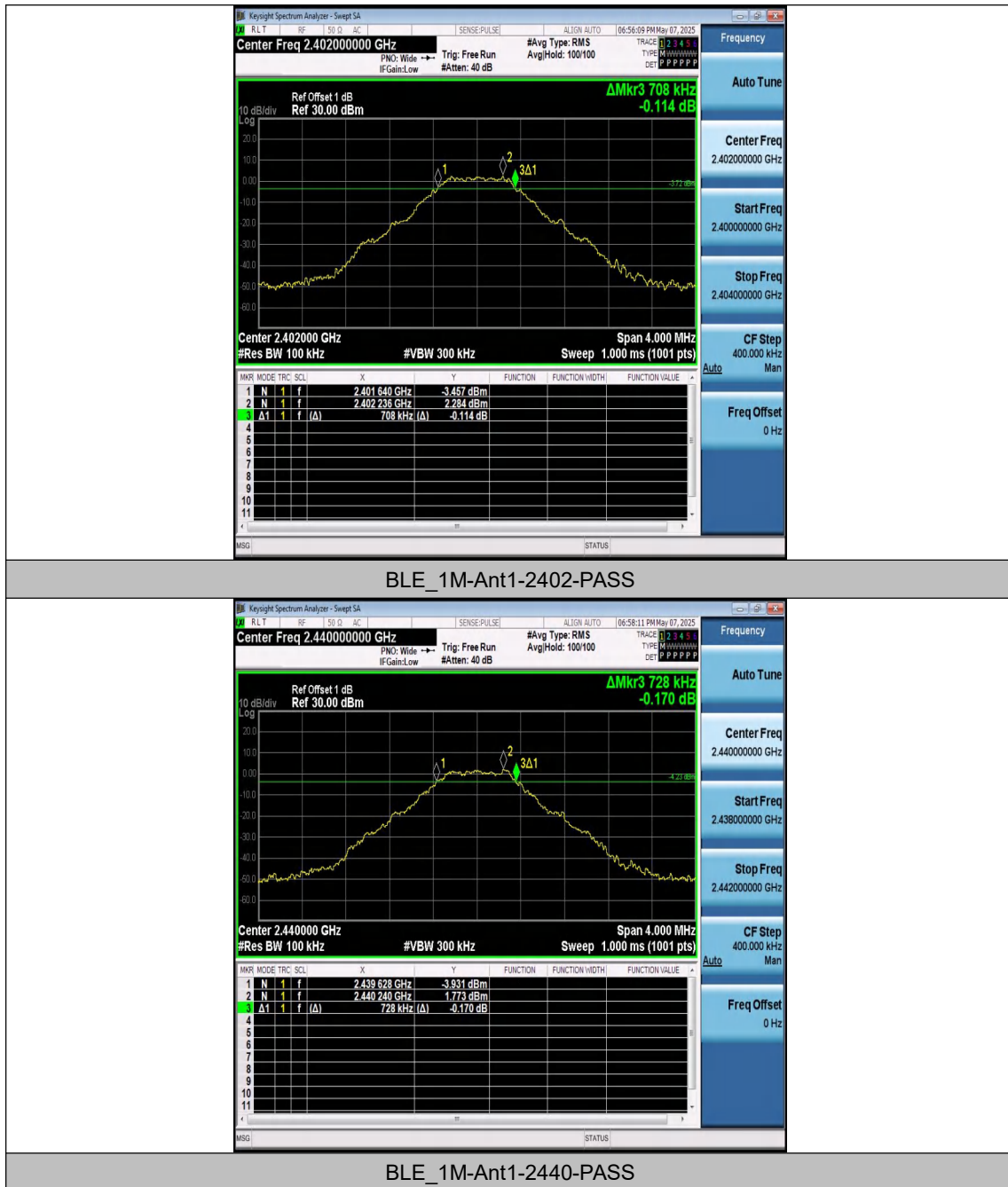
Appendix A: 6dB Bandwidth

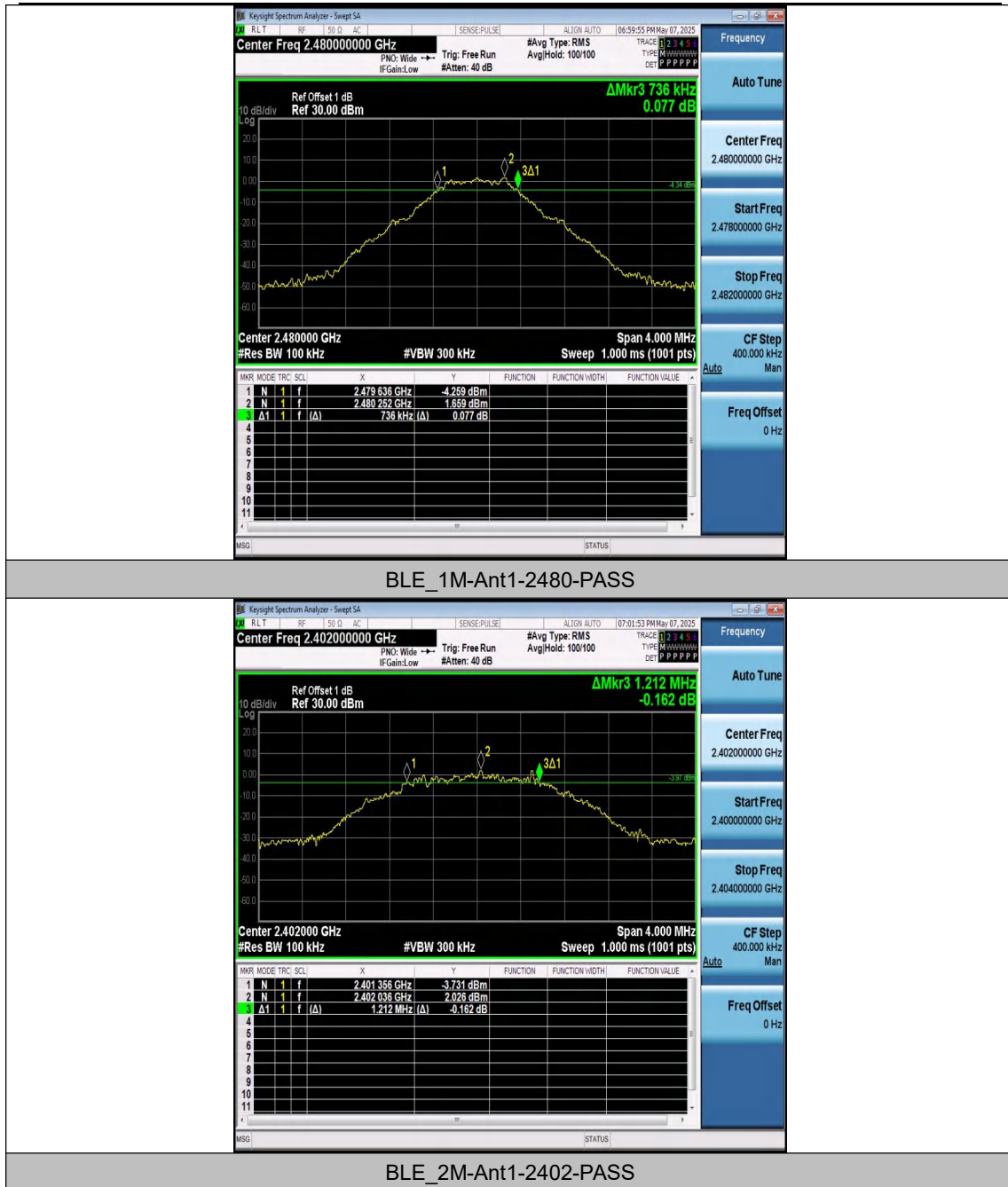
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.708	2401.640	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.728	2439.628	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.736	2479.636	2480.372	0.5	PASS
BLE_2M	Ant1	2402	1.212	2401.356	2402.568	0.5	PASS
BLE_2M	Ant1	2440	1.108	2439.464	2440.572	0.5	PASS
BLE_2M	Ant1	2480	1.092	2479.468	2480.560	0.5	PASS



Test Graphs







Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1171	2401.4477	2402.5648	---	---
BLE_1M	Ant1	2440	1.1684	2439.4176	2440.5860	---	---
BLE_1M	Ant1	2480	1.2084	2479.3975	2480.6059	---	---
BLE_2M	Ant1	2402	2.0915	2400.9741	2403.0656	---	---
BLE_2M	Ant1	2440	2.0900	2438.9738	2441.0638	---	---
BLE_2M	Ant1	2480	2.1028	2478.9582	2481.0610	---	---



Test Graphs





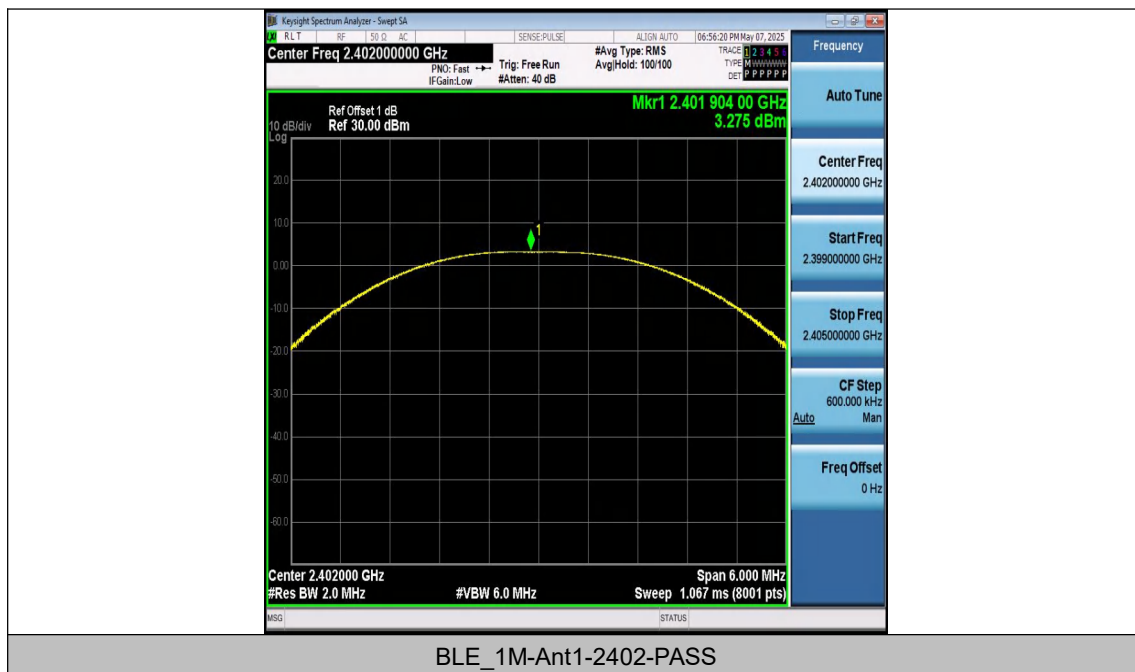


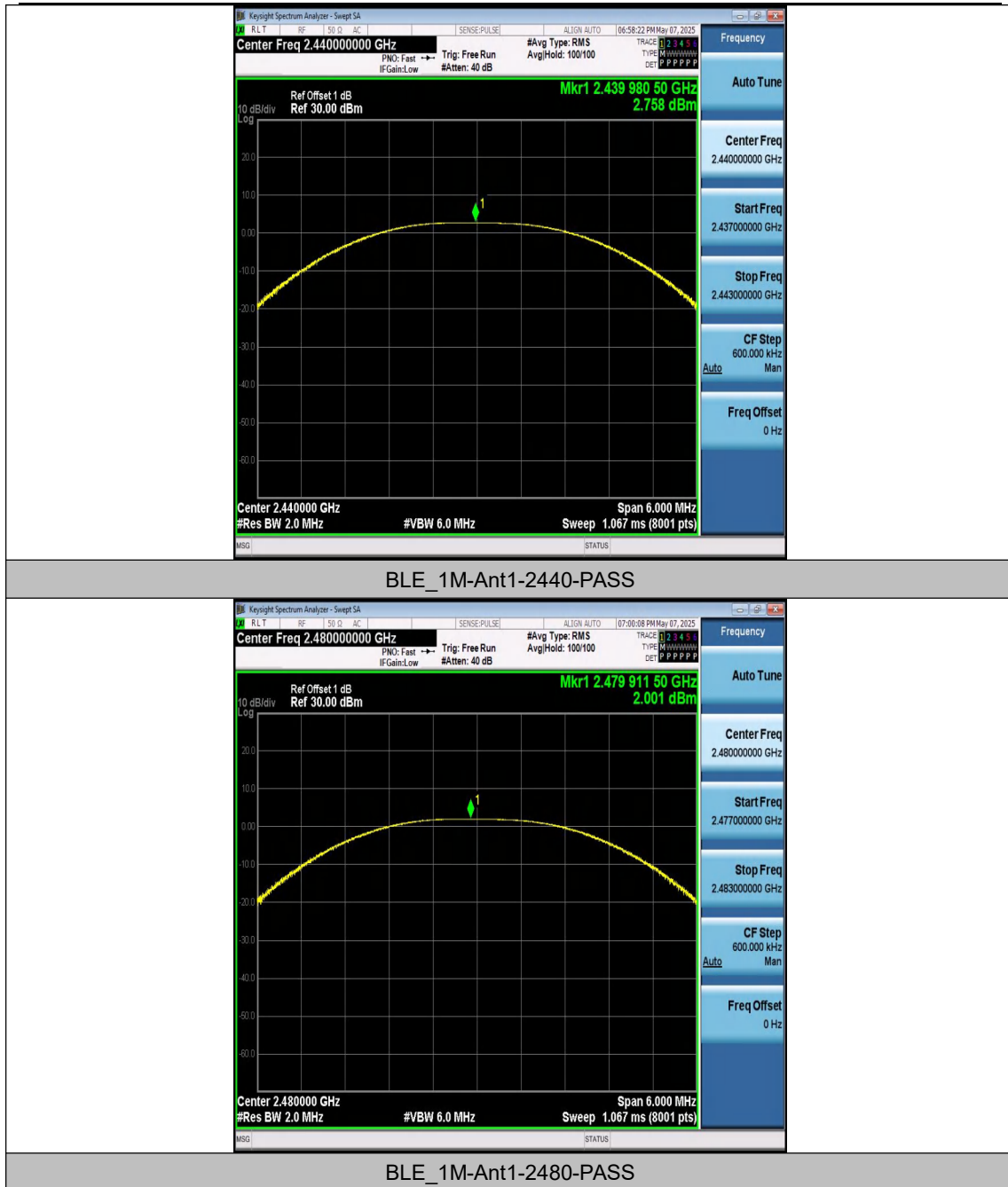
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.28	≤30	PASS
BLE_1M	Ant1	2440	2.76	≤30	PASS
BLE_1M	Ant1	2480	2.00	≤30	PASS
BLE_2M	Ant1	2402	3.29	≤30	PASS
BLE_2M	Ant1	2440	2.79	≤30	PASS
BLE_2M	Ant1	2480	2.07	≤30	PASS

Test Graphs Peak



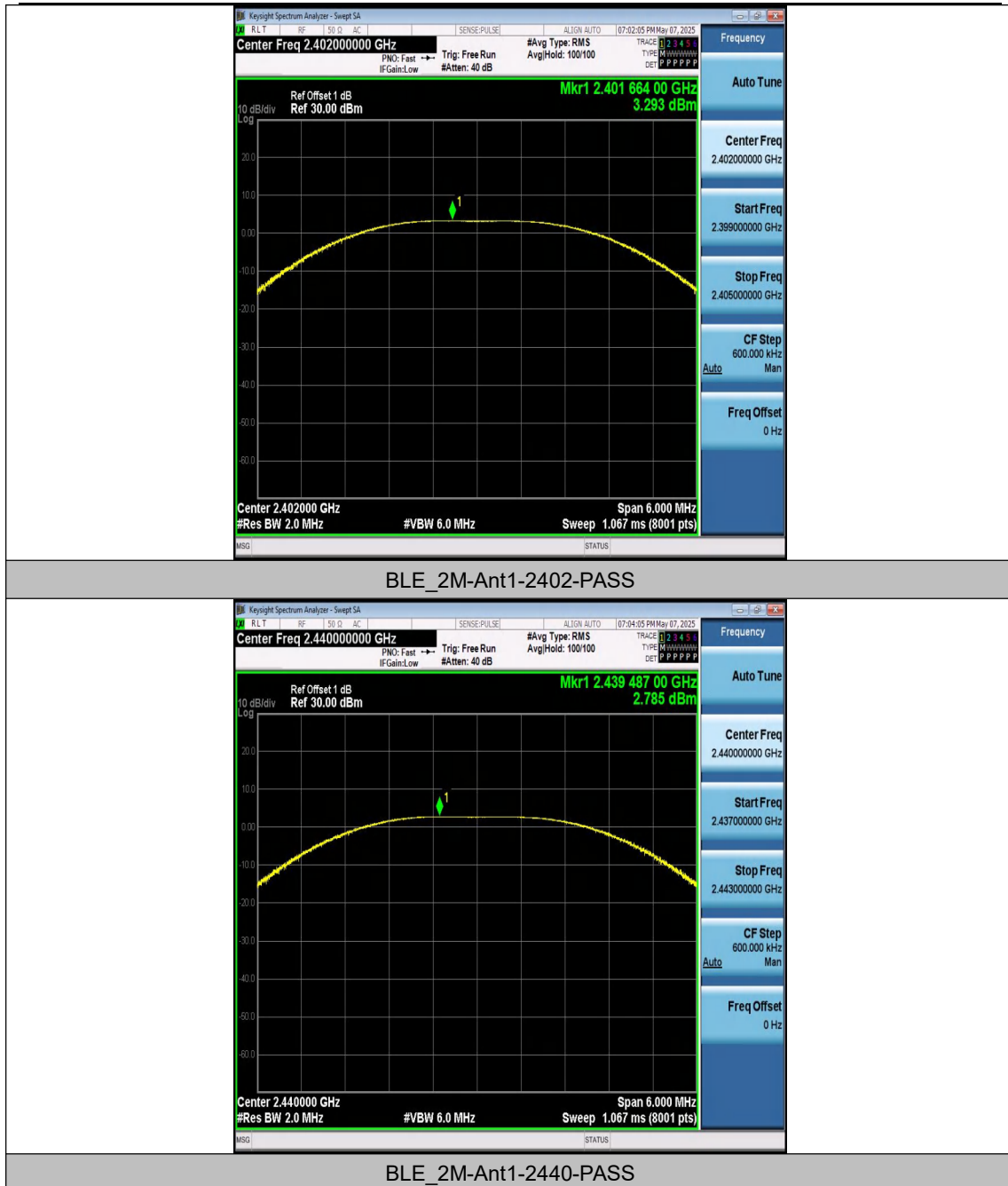


Shenzhen Anbotek Compliance Laboratory Limited

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



Hotline
400-003-0500
www.anbotek.com

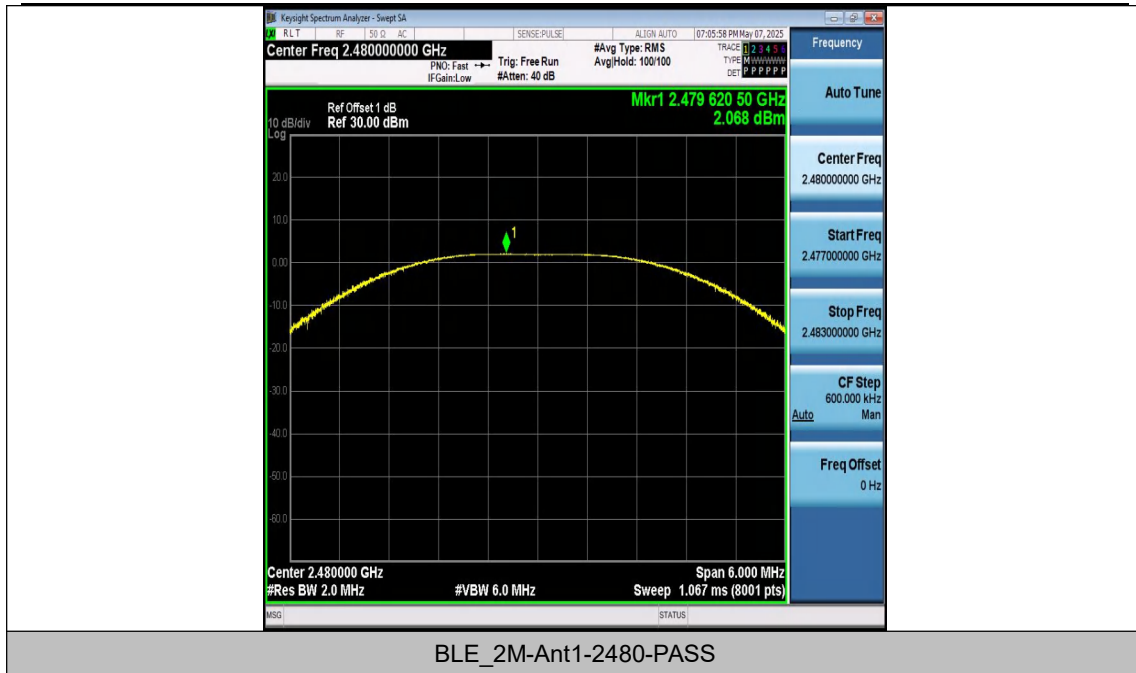


Shenzhen Anbotech Compliance Laboratory Limited

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



Hotline
400-003-0500
www.anbotech.com



Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng 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

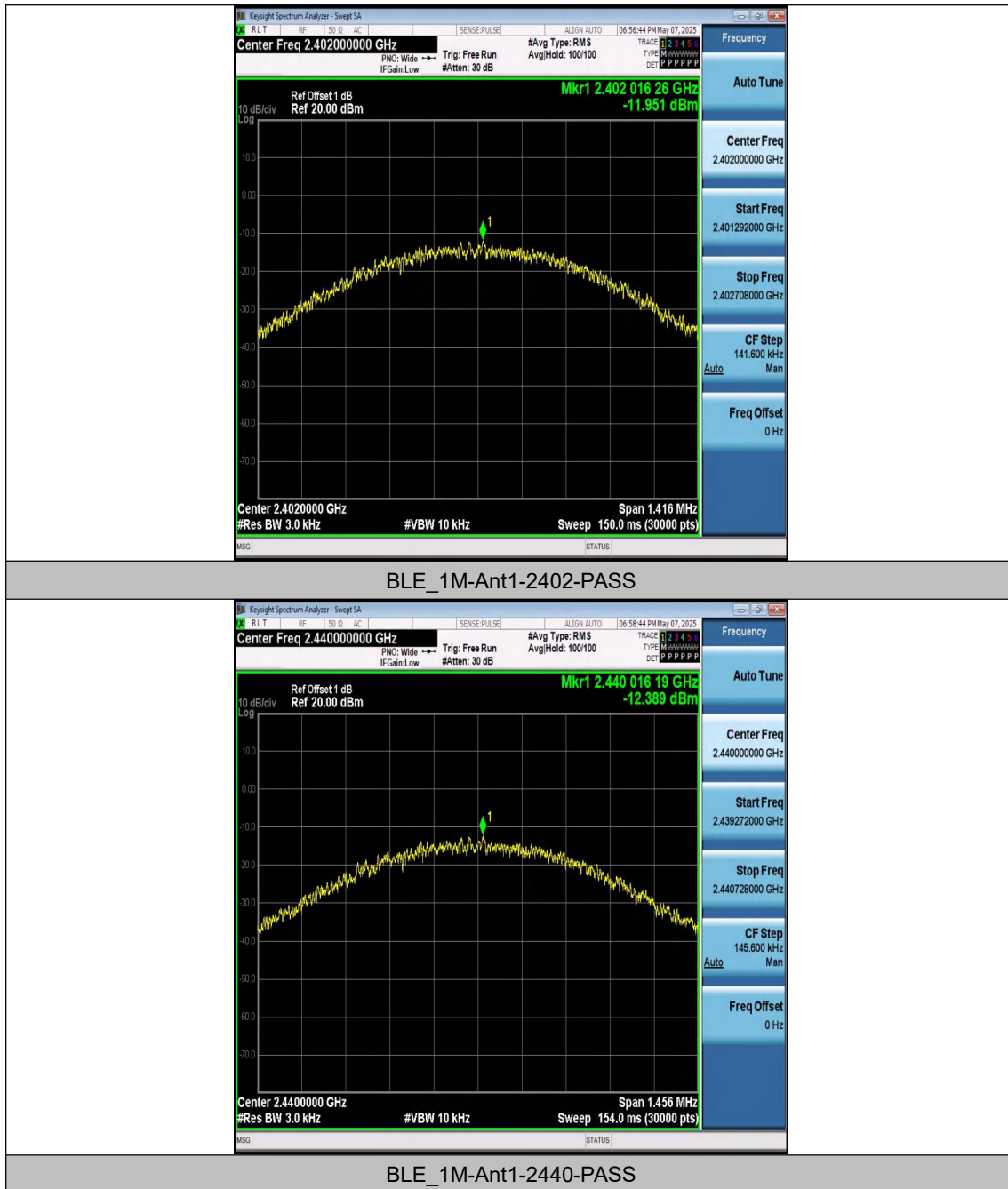
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.95	≤8.00	PASS
BLE_1M	Ant1	2440	-12.39	≤8.00	PASS
BLE_1M	Ant1	2480	-13.31	≤8.00	PASS
BLE_2M	Ant1	2402	-15.83	≤8.00	PASS
BLE_2M	Ant1	2440	-16.09	≤8.00	PASS
BLE_2M	Ant1	2480	-16.60	≤8.00	PASS

Note: $\text{PSD(dBm/3kHz)} = \text{PSD(dBm/30kHz)} - (10 \cdot \log(30/3))$.



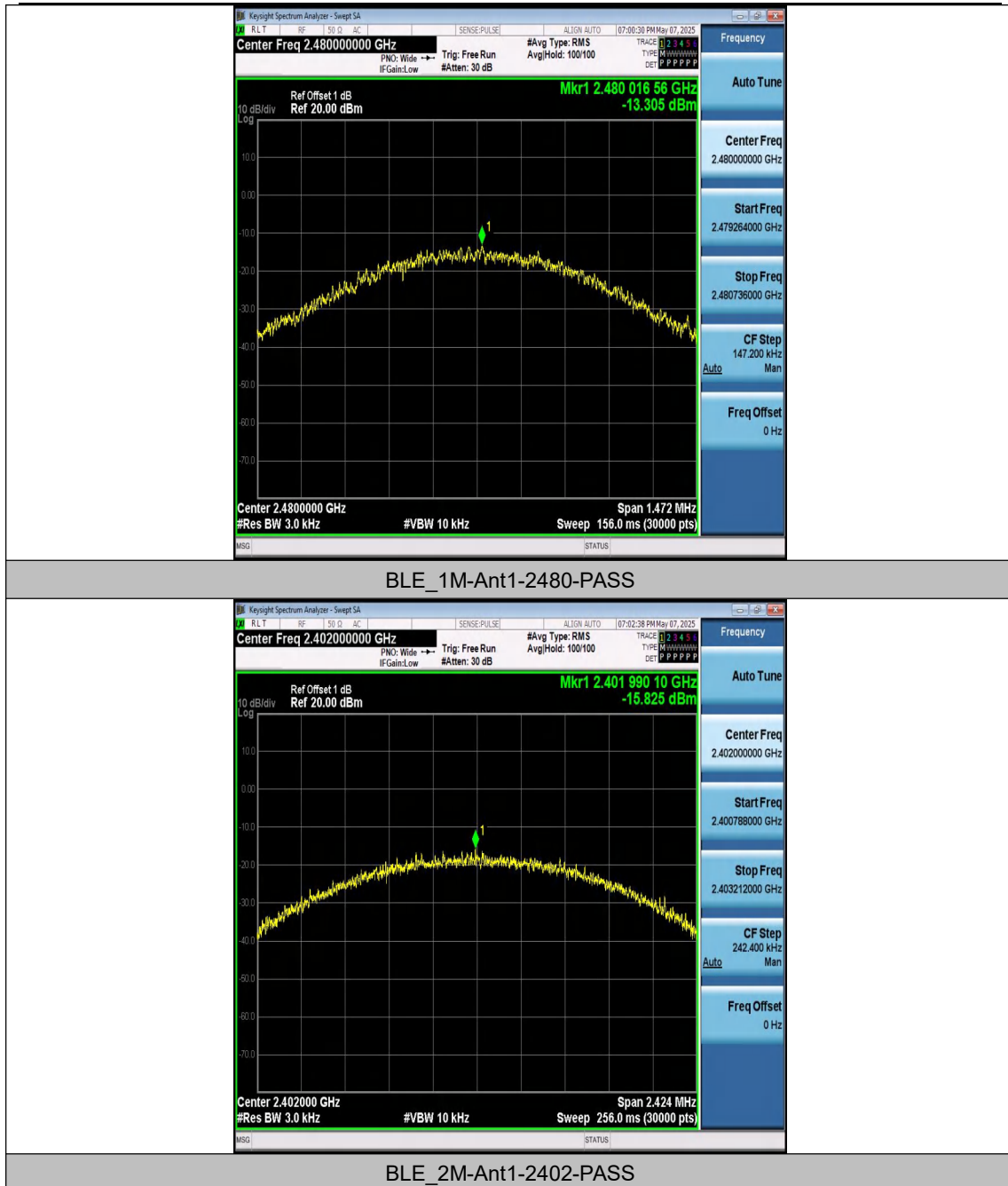
Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

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

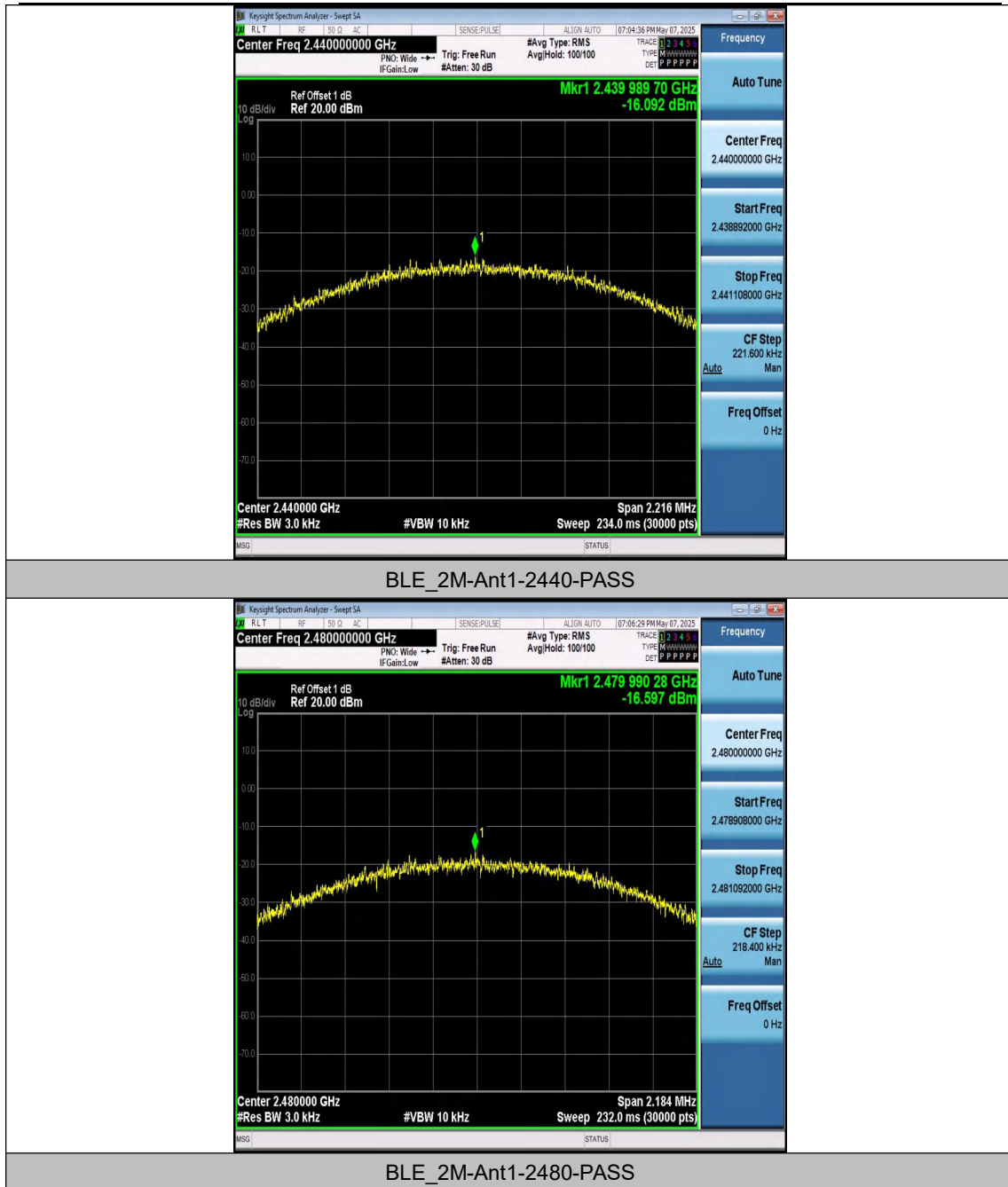
Hotline
400-003-0500
www.anbotek.com



Shenzhen Anbotech Compliance Laboratory Limited

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

Hotline
400-003-0500
www.anbotech.com



Shenzhen Anbotech Compliance Laboratory Limited

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



Hotline
400-003-0500
www.anbotech.com

Appendix E: Band edge measurements

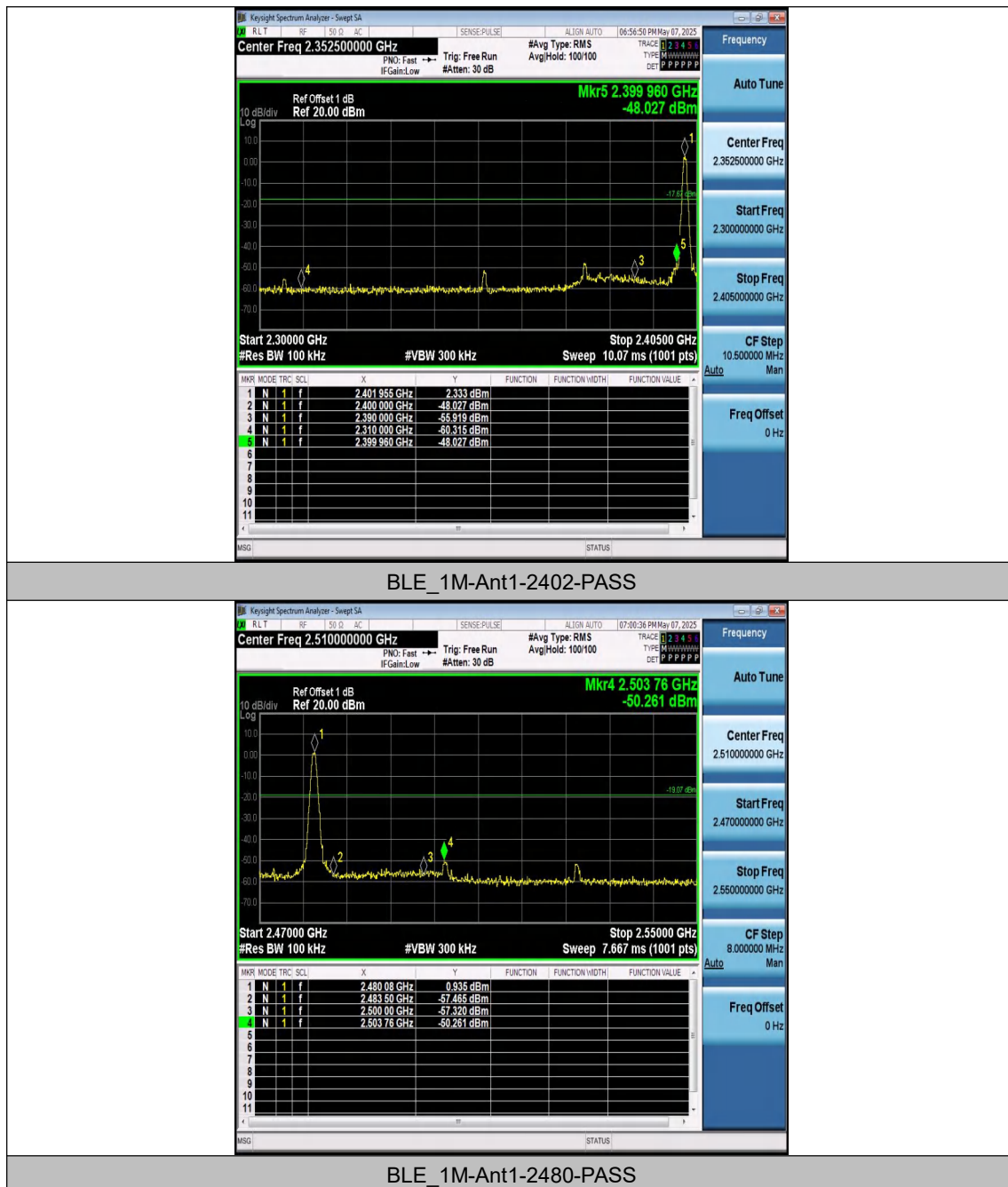
Test Result

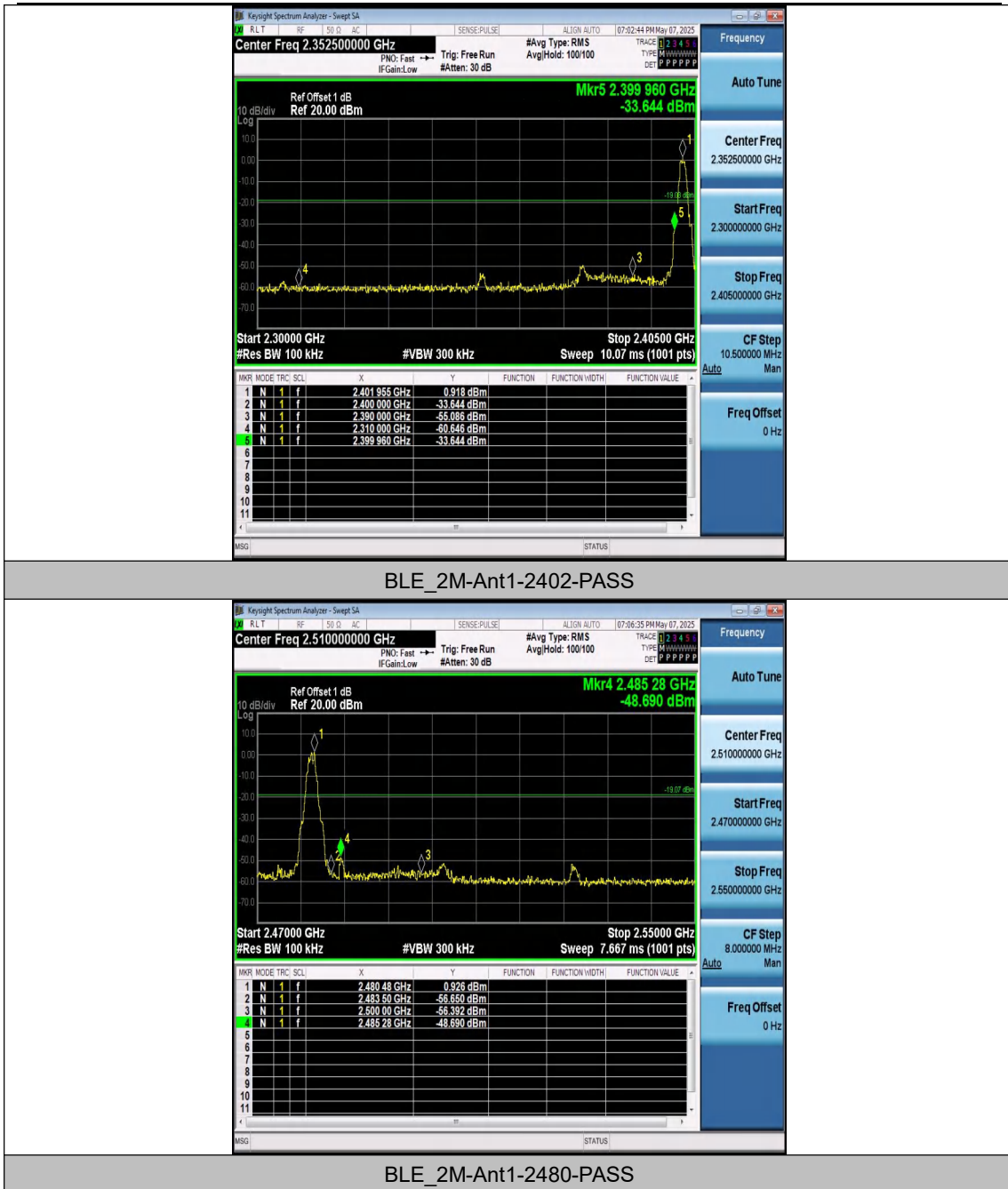
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.33	-48.03	≤-17.67	PASS
BLE_1M	Ant1	High	2480	0.94	-50.26	≤-19.07	PASS
BLE_2M	Ant1	Low	2402	0.92	-33.64	≤-19.08	PASS
BLE_2M	Ant1	High	2480	0.93	-48.69	≤-19.07	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.



Test Graphs





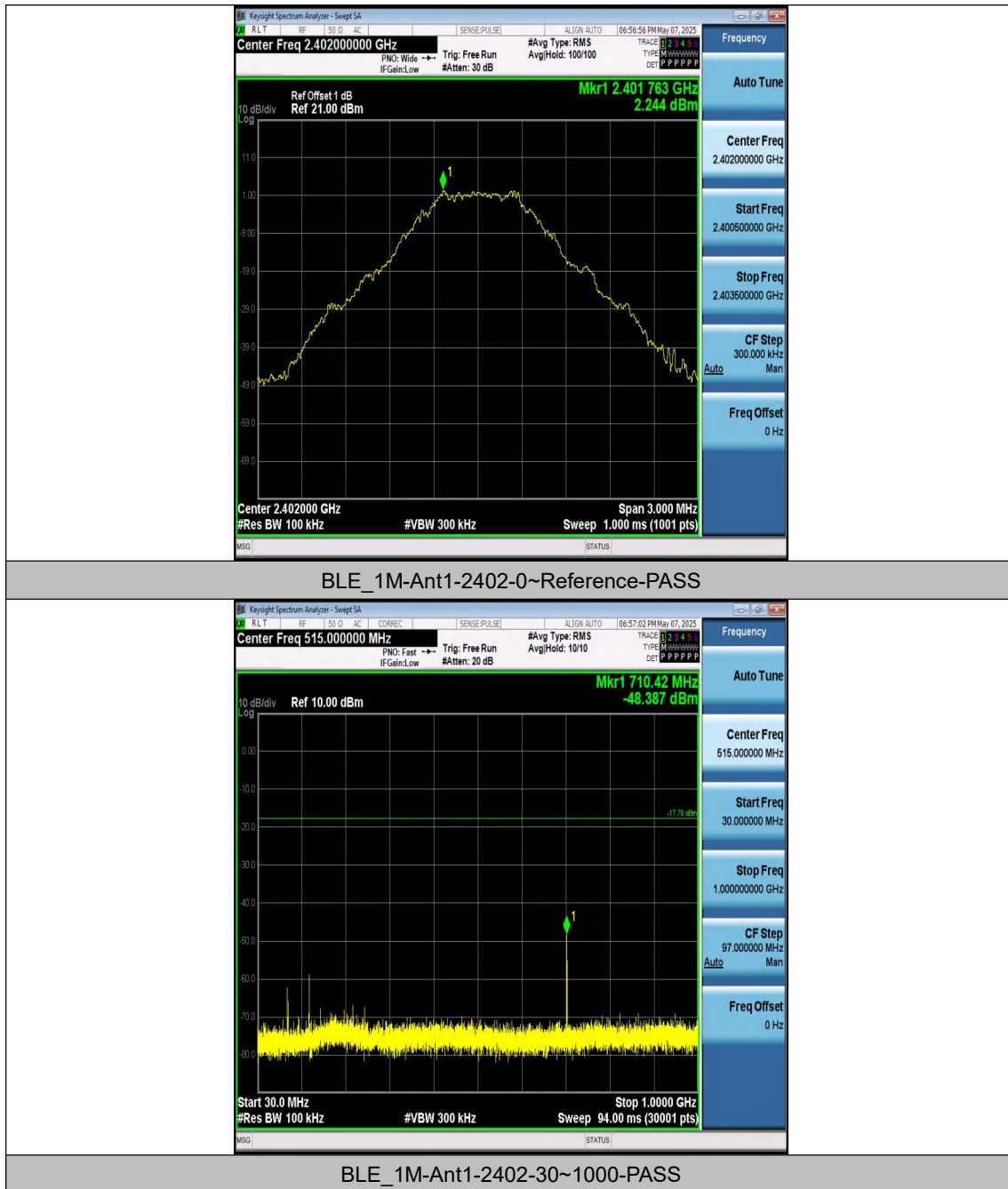
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.24	2.24	---	PASS
BLE_1M	Ant1	2402	30~1000	2.24	-48.39	≤-17.76	PASS
BLE_1M	Ant1	2402	1000~26500	2.24	-41.82	≤-17.76	PASS
BLE_1M	Ant1	2440	0~Reference	2.24	2.24	---	PASS
BLE_1M	Ant1	2440	30~1000	2.24	-62.31	≤-17.76	PASS
BLE_1M	Ant1	2440	1000~26500	2.24	-39.71	≤-17.76	PASS
BLE_1M	Ant1	2480	0~Reference	1.11	1.11	---	PASS
BLE_1M	Ant1	2480	30~1000	1.11	-62.01	≤-18.89	PASS
BLE_1M	Ant1	2480	1000~26500	1.11	-37.15	≤-18.89	PASS
BLE_2M	Ant1	2402	0~Reference	1.64	1.64	---	PASS
BLE_2M	Ant1	2402	30~1000	1.64	-61.02	≤-18.36	PASS
BLE_2M	Ant1	2402	1000~26500	1.64	-42.71	≤-18.36	PASS
BLE_2M	Ant1	2440	0~Reference	1.22	1.22	---	PASS
BLE_2M	Ant1	2440	30~1000	1.22	-63	≤-18.78	PASS
BLE_2M	Ant1	2440	1000~26500	1.22	-37.57	≤-18.78	PASS
BLE_2M	Ant1	2480	0~Reference	0.79	0.79	---	PASS
BLE_2M	Ant1	2480	30~1000	0.79	-57.64	≤-19.21	PASS
BLE_2M	Ant1	2480	1000~26500	0.79	-40.4	≤-19.21	PASS

Remark: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

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

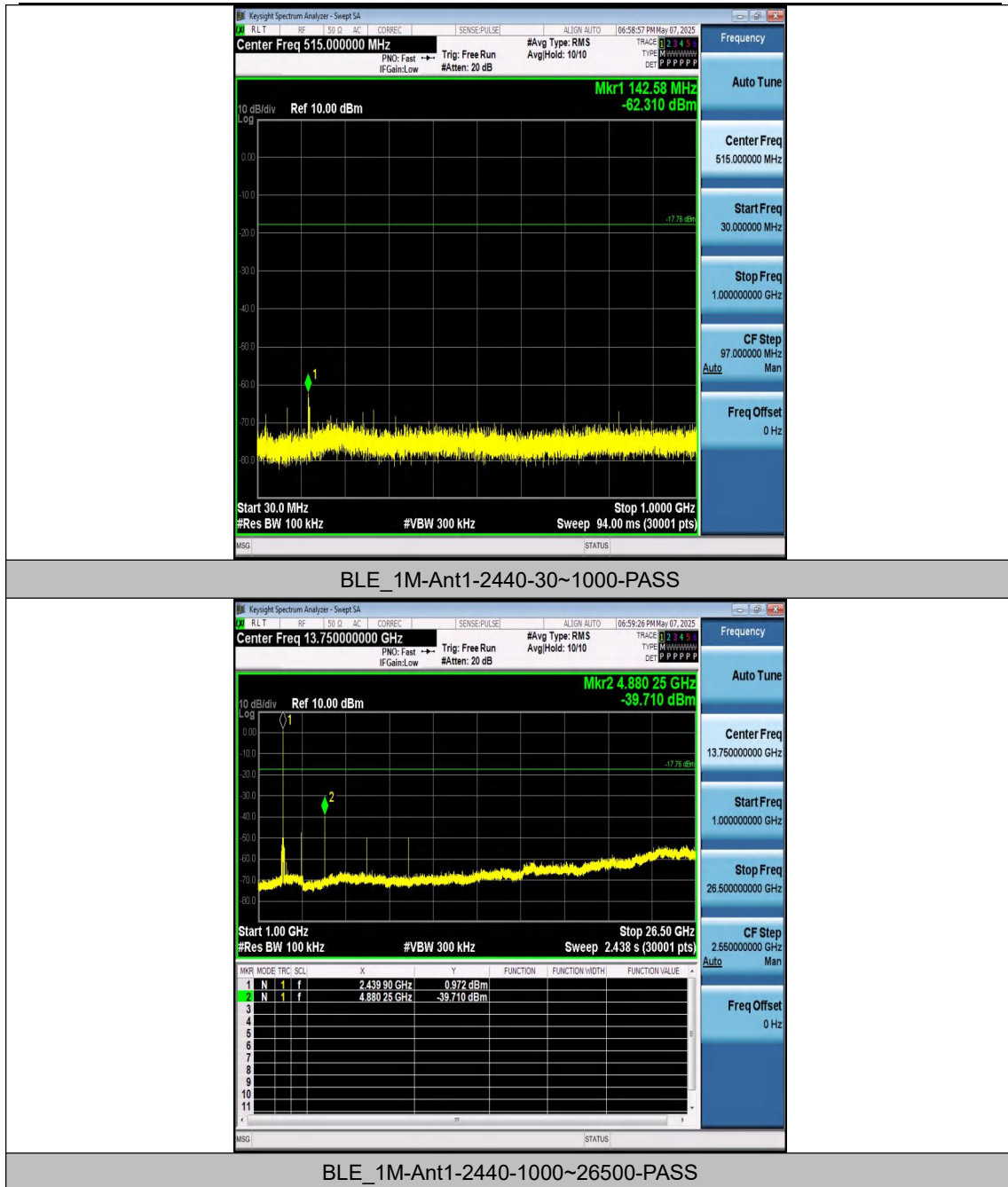
Hotline
400-003-0500
www.anbotek.com

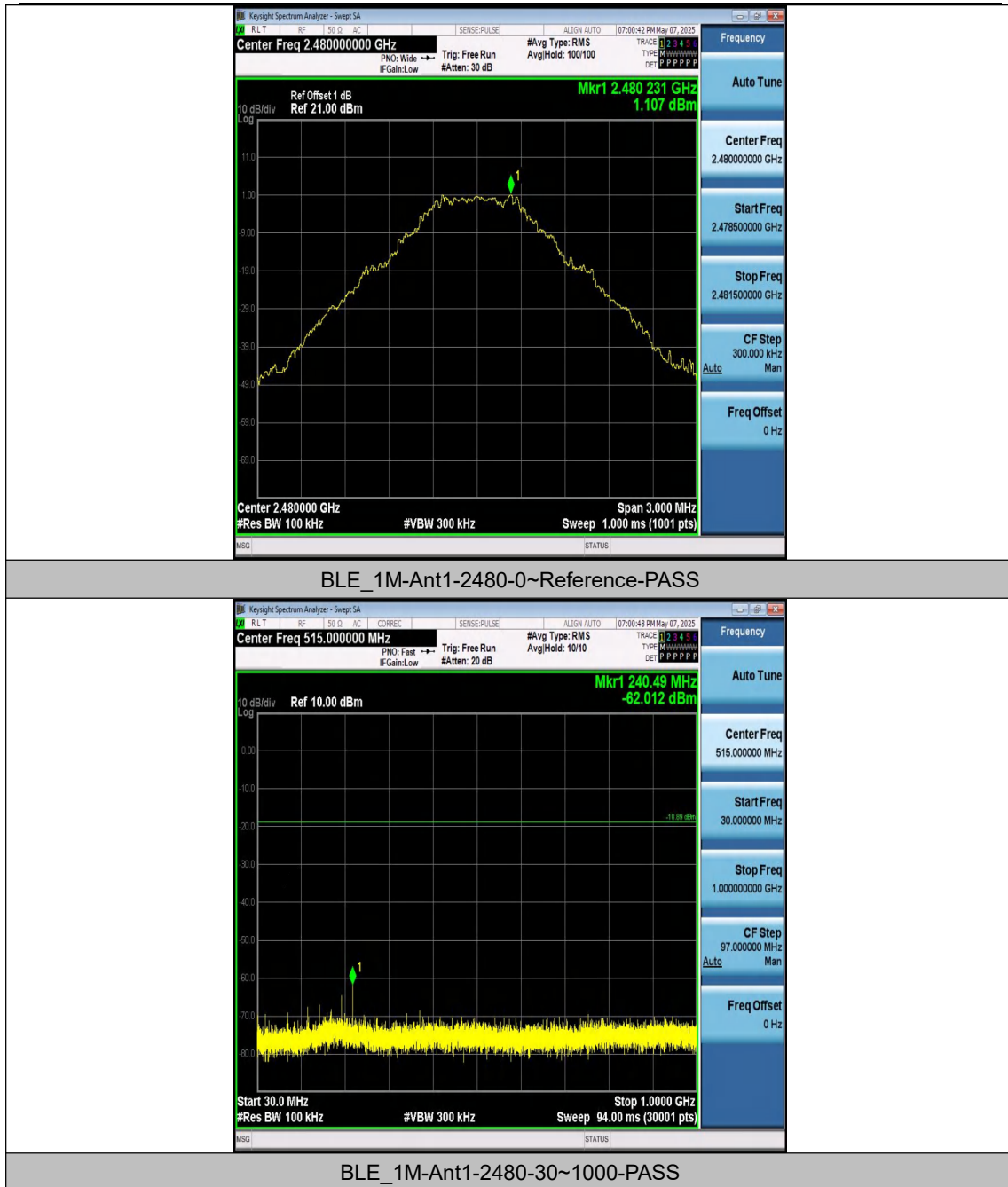


Shenzhen Anbotech Compliance Laboratory Limited

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

Hotline 400-003-0500
www.anbotech.com



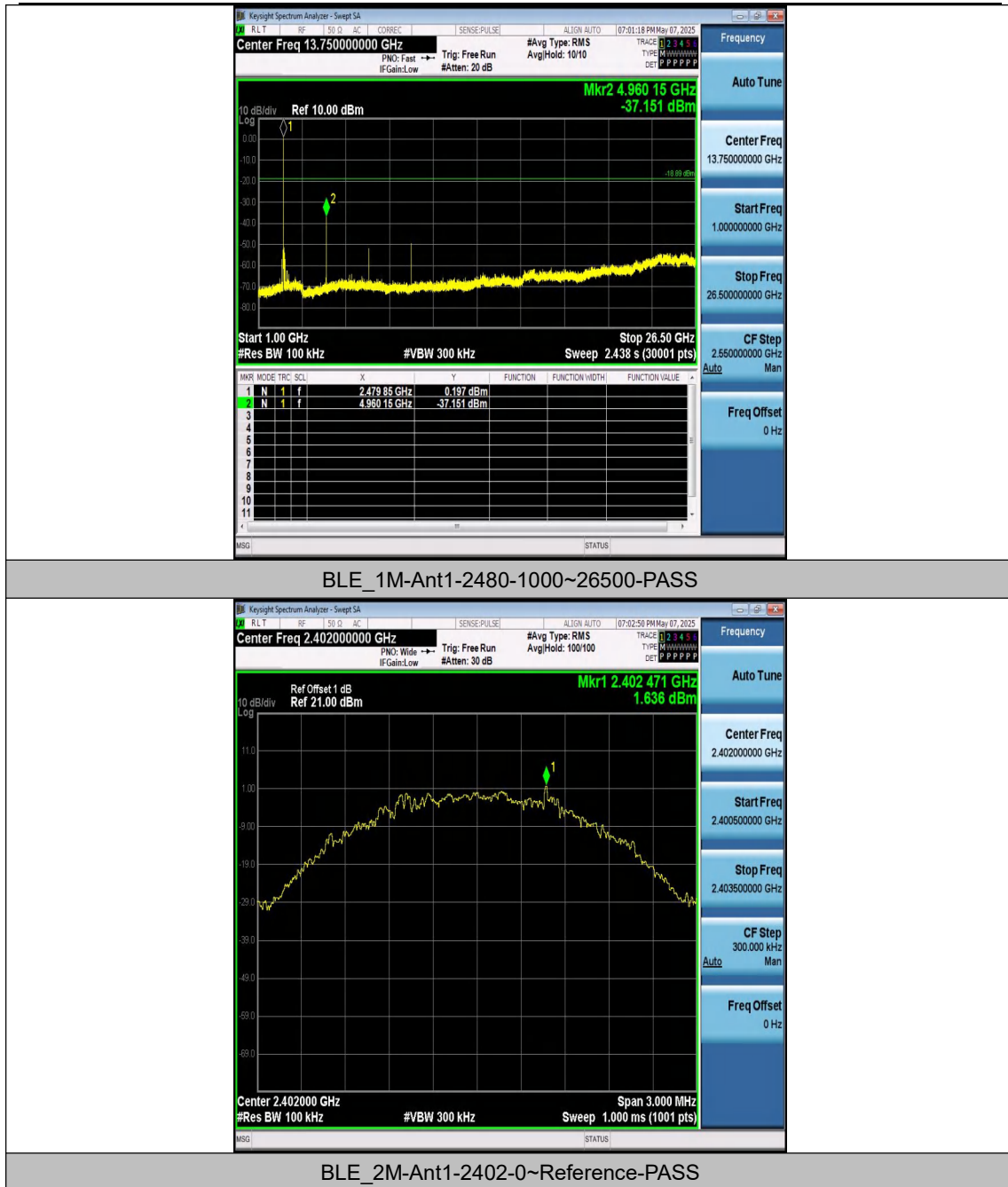


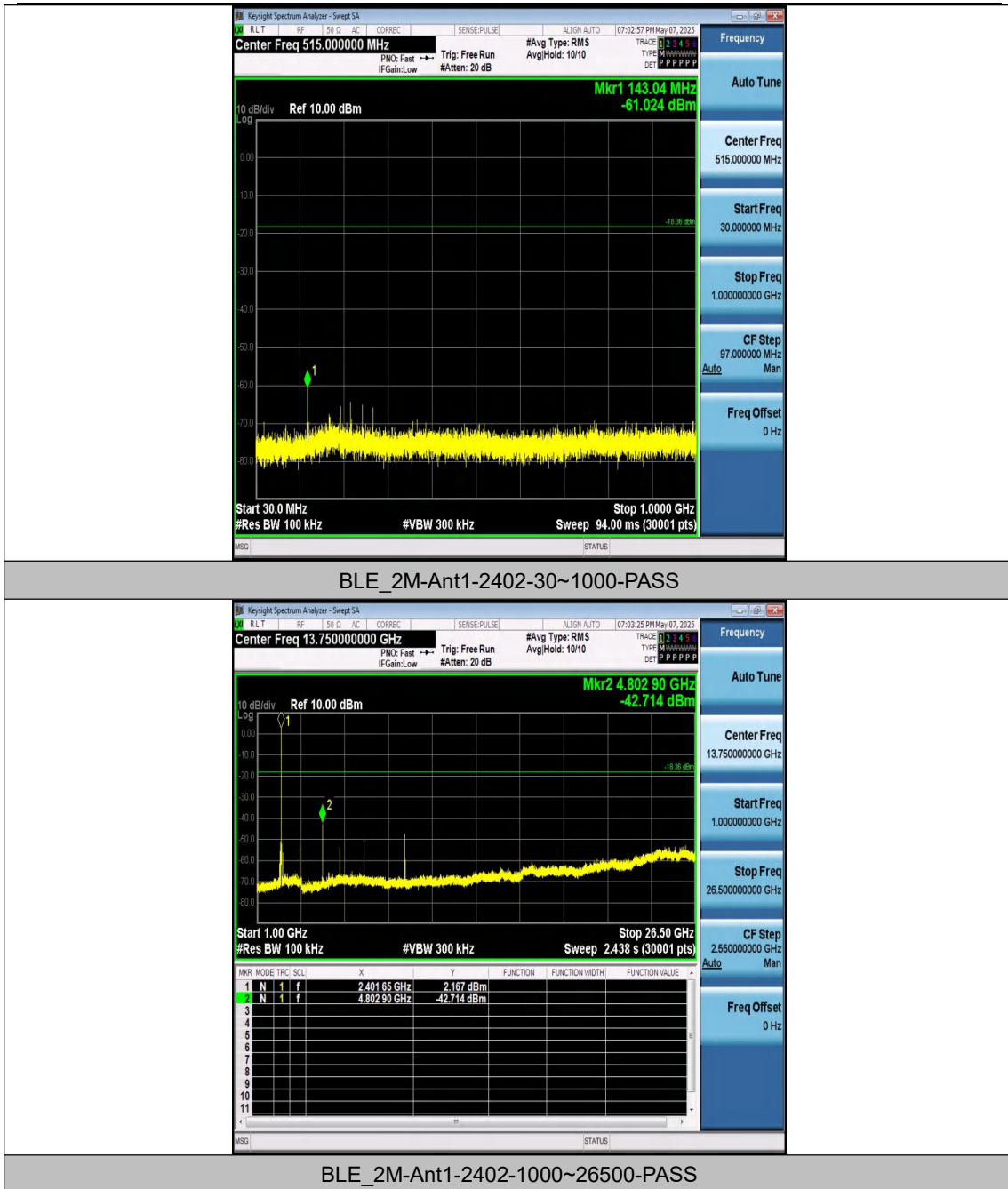
Shenzhen Anbotech Compliance Laboratory Limited

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



Hotline
400-003-0500
www.anbotech.com



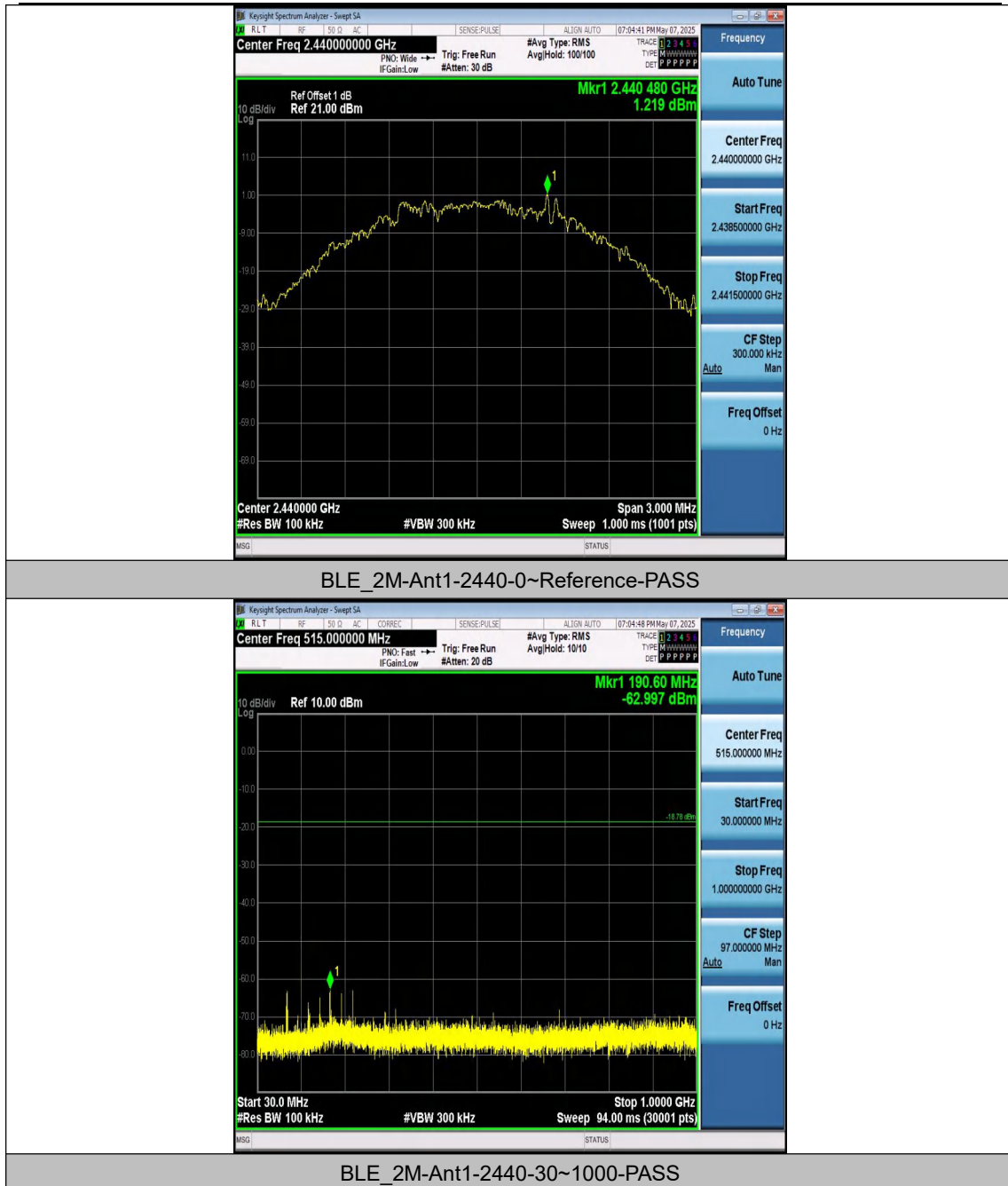


Shenzhen Anbotech Compliance Laboratory Limited

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



Hotline
400-003-0500
www.anbotech.com



Shenzhen Anbotek Compliance Laboratory Limited

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



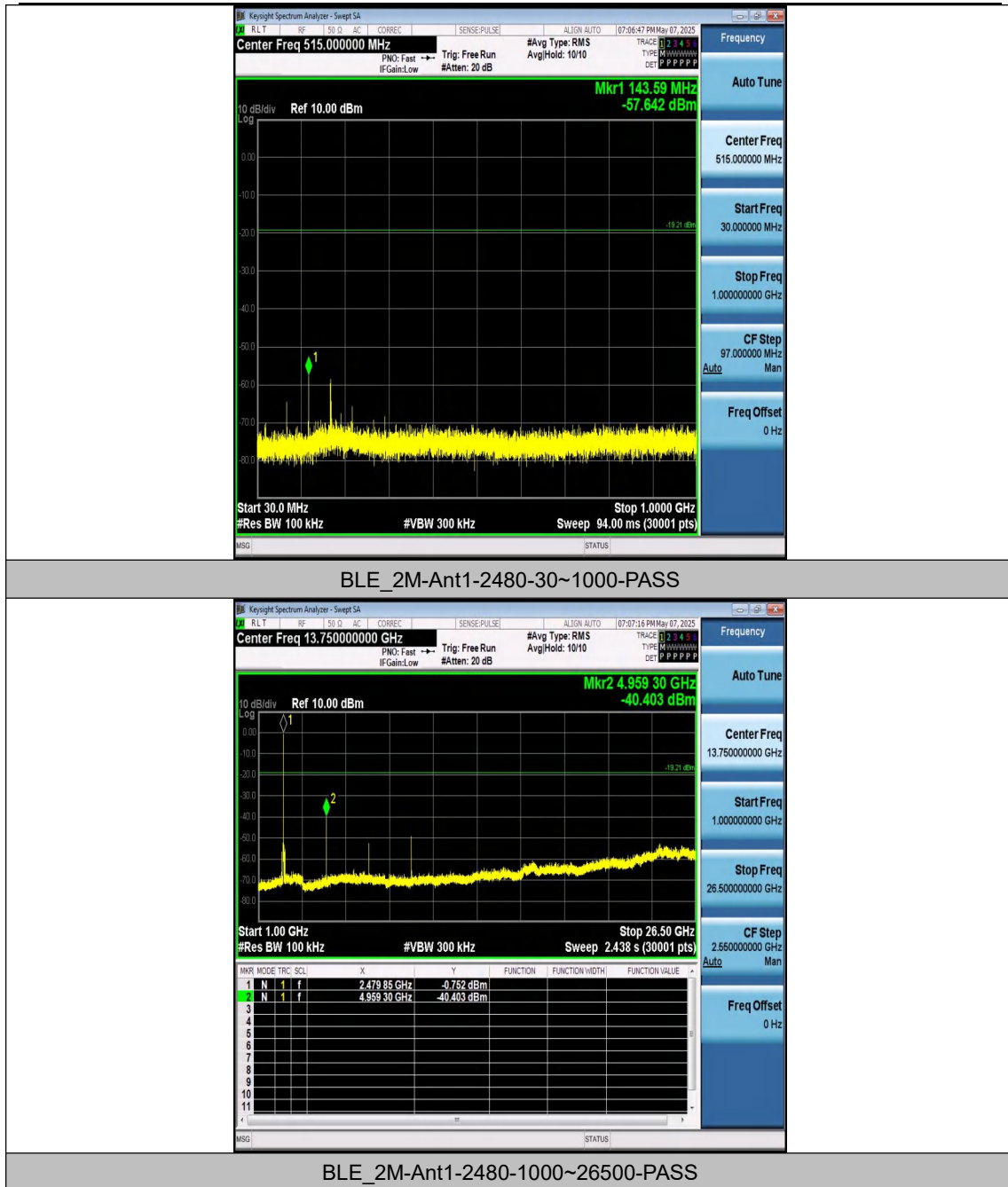
Hotline
400-003-0500
www.anbotek.com



Shenzhen Anbotech Compliance Laboratory Limited

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

Hotline
400-003-0500
www.anbotech.com



Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng 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

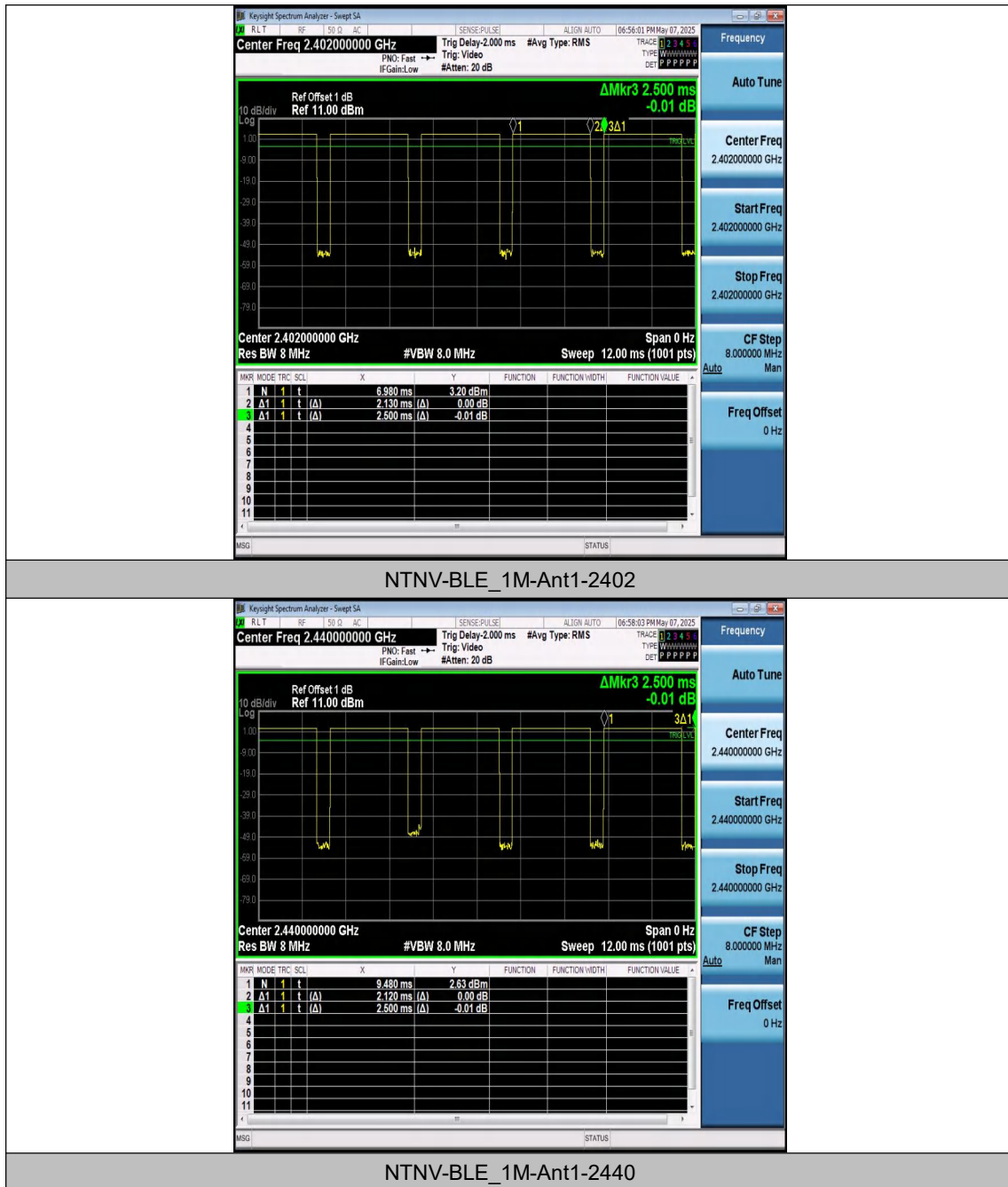
Test Result

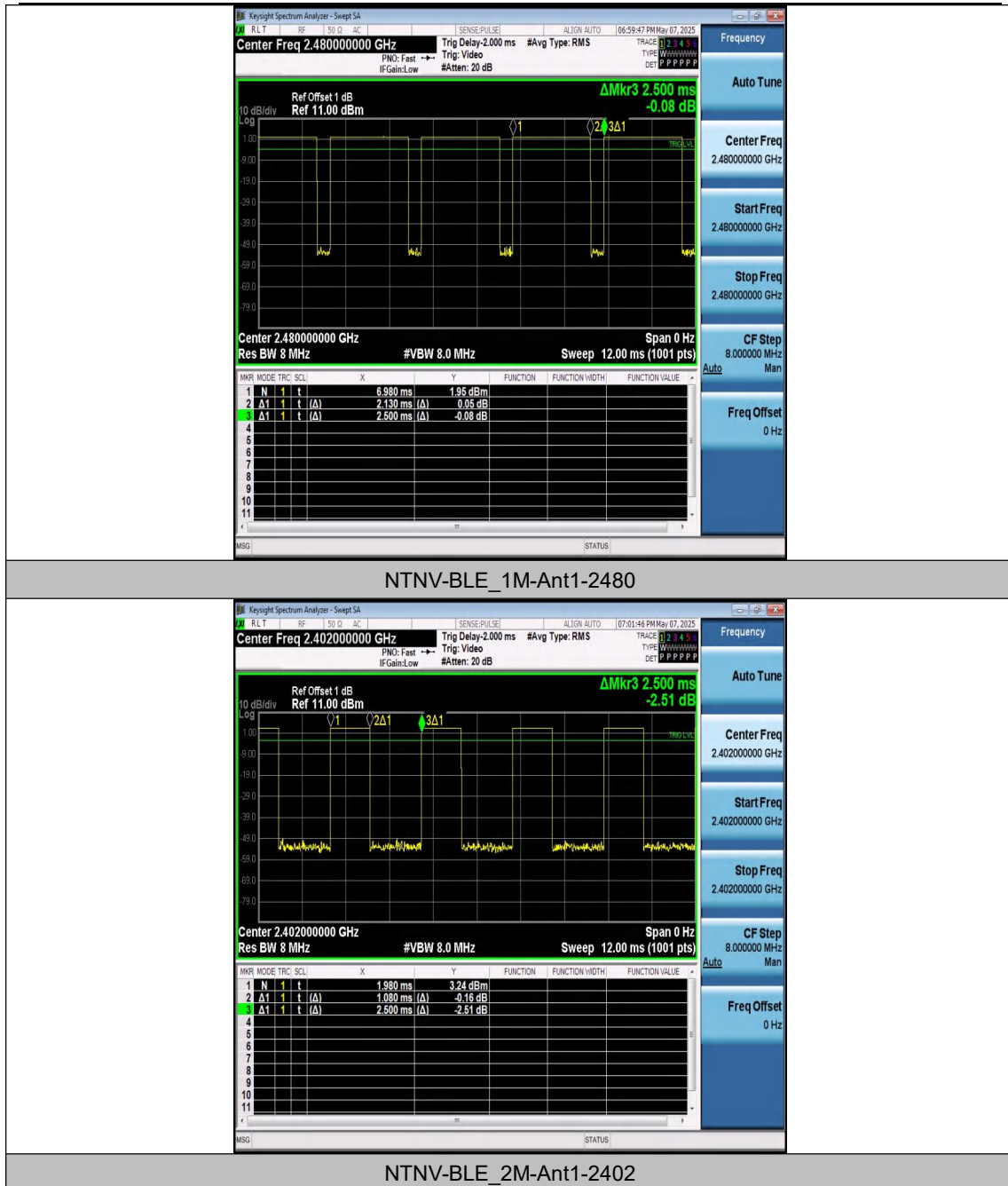
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2402	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2440	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2480	1.08	2.50	43.20	3.65

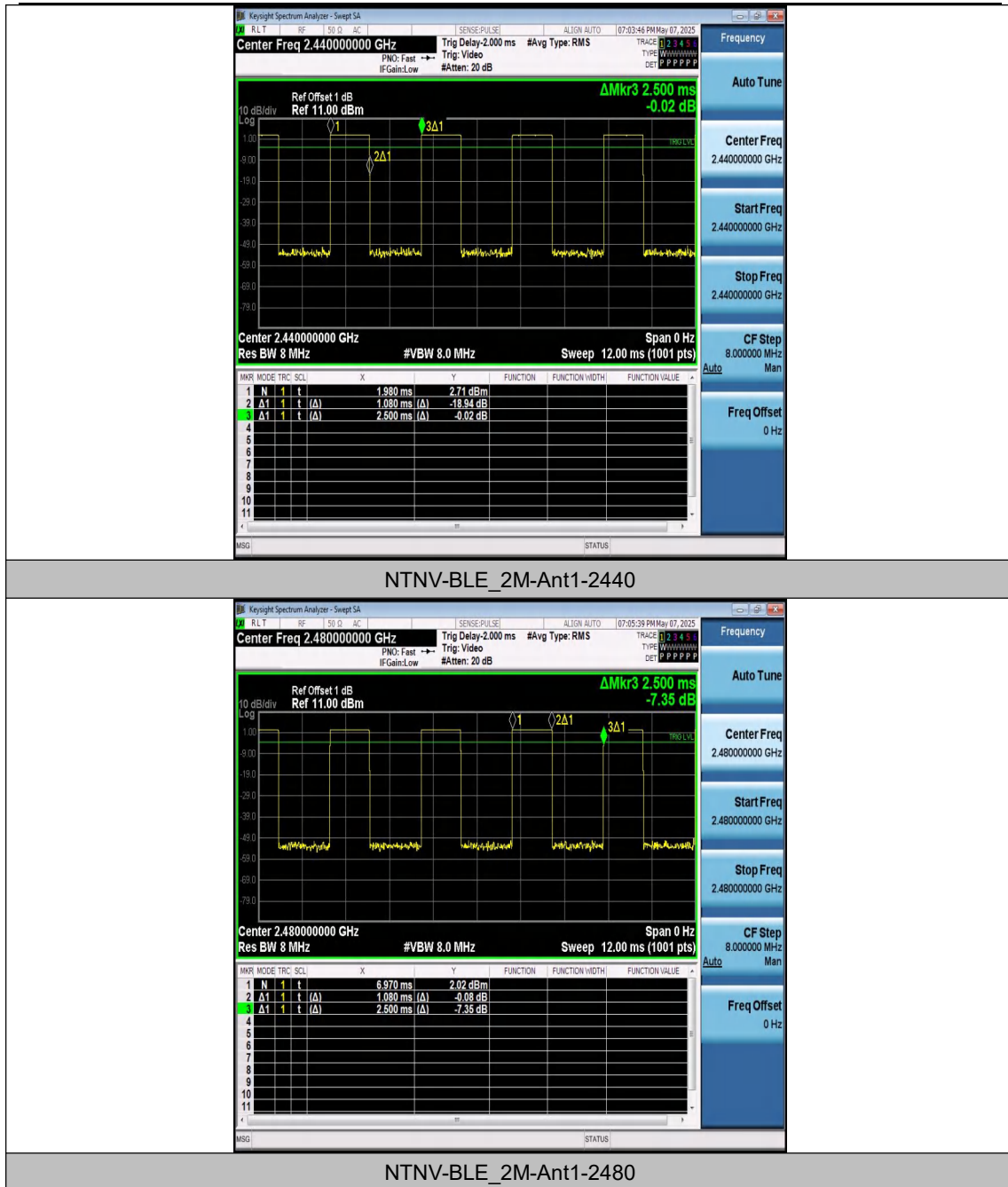
Shenzhen Anbotech Compliance Laboratory Limited



Test Graphs







---End---