

Appendix Test Data

Report No.:	1812C40089012501	Test Sample No.:	1-2-2
Start Test Date:	2024.11.22	Finish Test Date:	2024.11.22
Test Engineer:	<i>Foker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

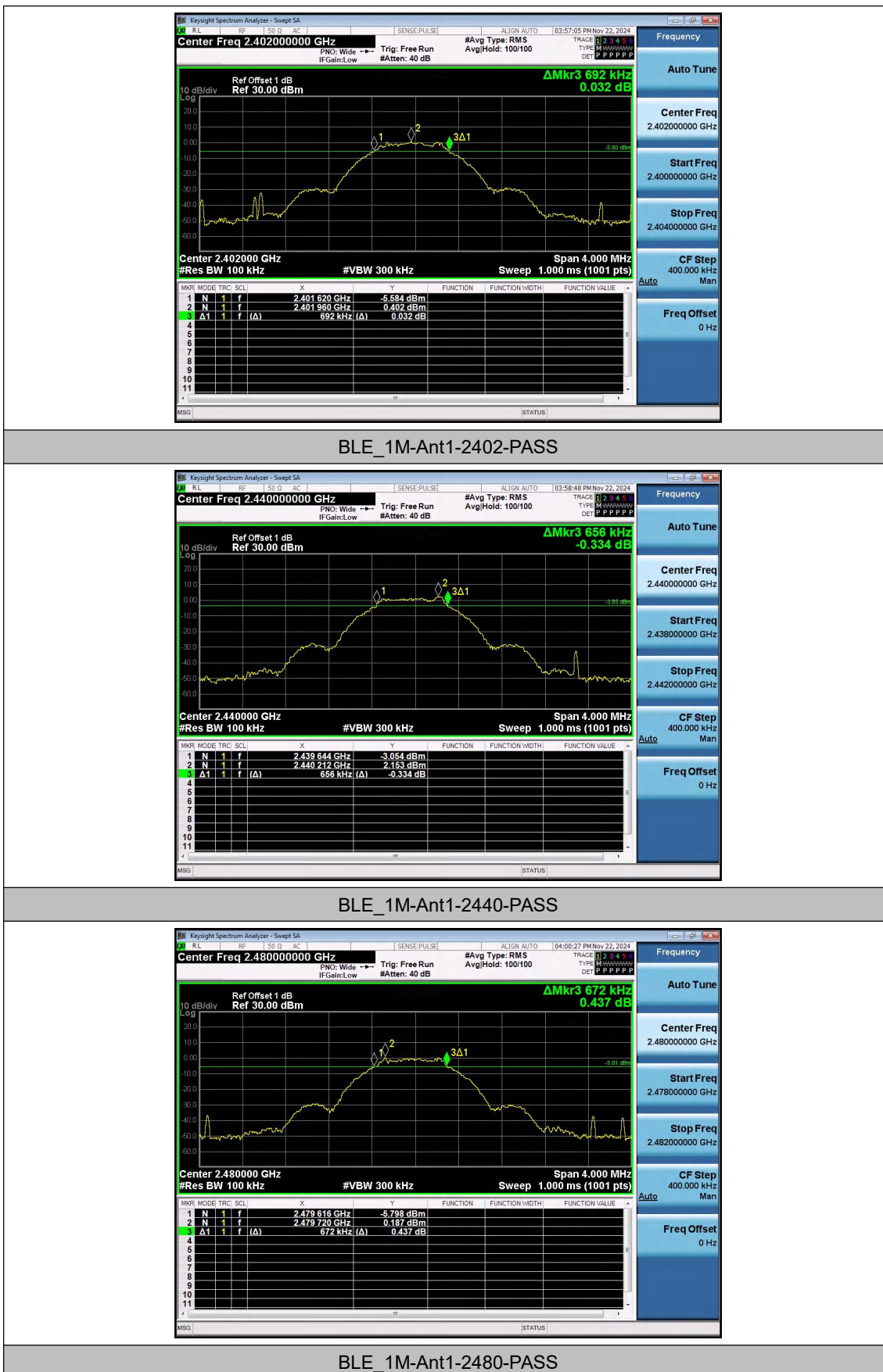
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.620	2402.312	0.5	PASS
BLE_1M	Ant1	2440	0.656	2439.644	2440.300	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.616	2480.288	0.5	PASS



Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

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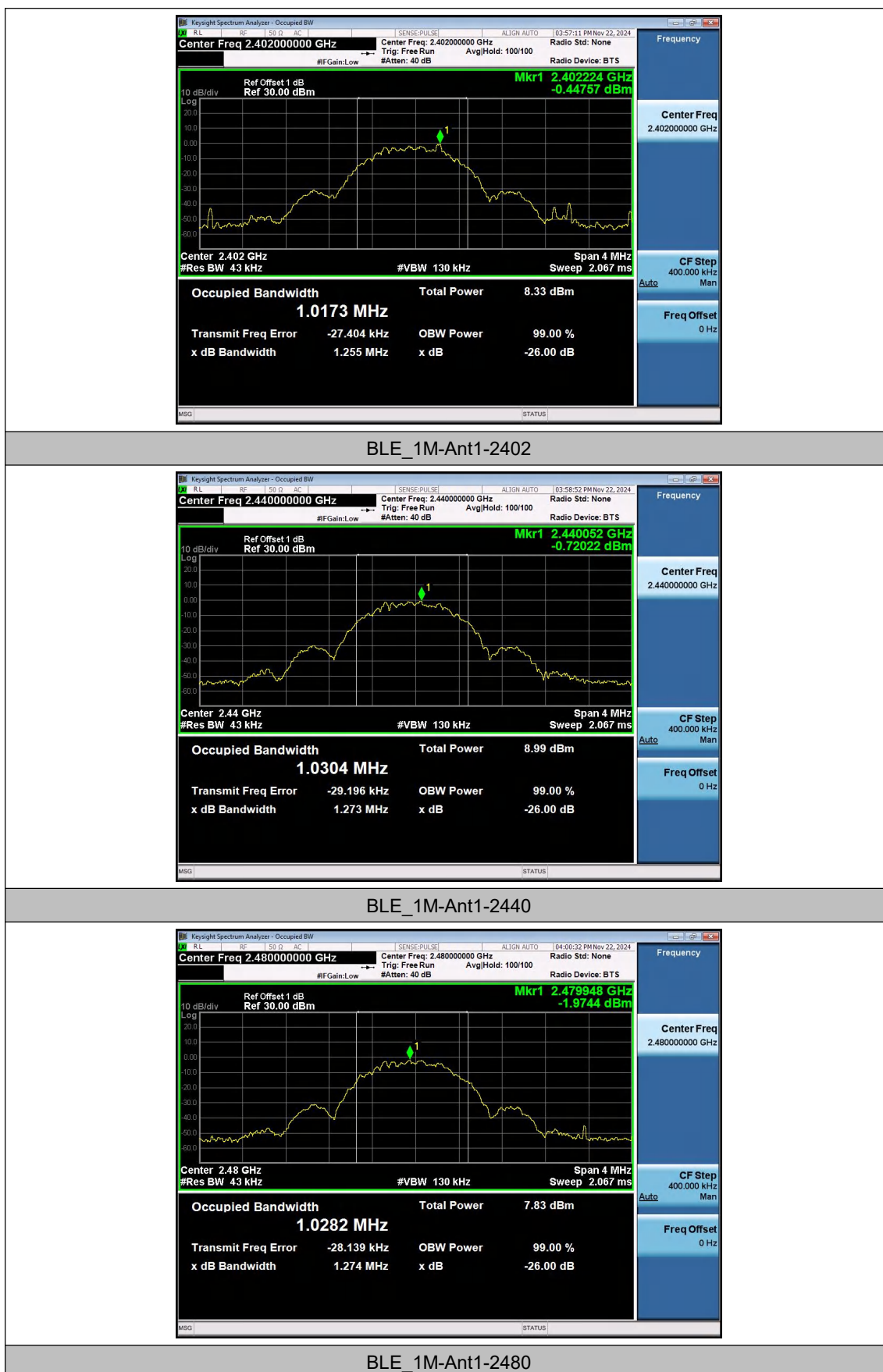
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0173	2401.4640	2402.4813	---	---
BLE_1M	Ant1	2440	1.0304	2439.4556	2440.4860	---	---
BLE_1M	Ant1	2480	1.0282	2479.4578	2480.4860	---	---



Test Graphs



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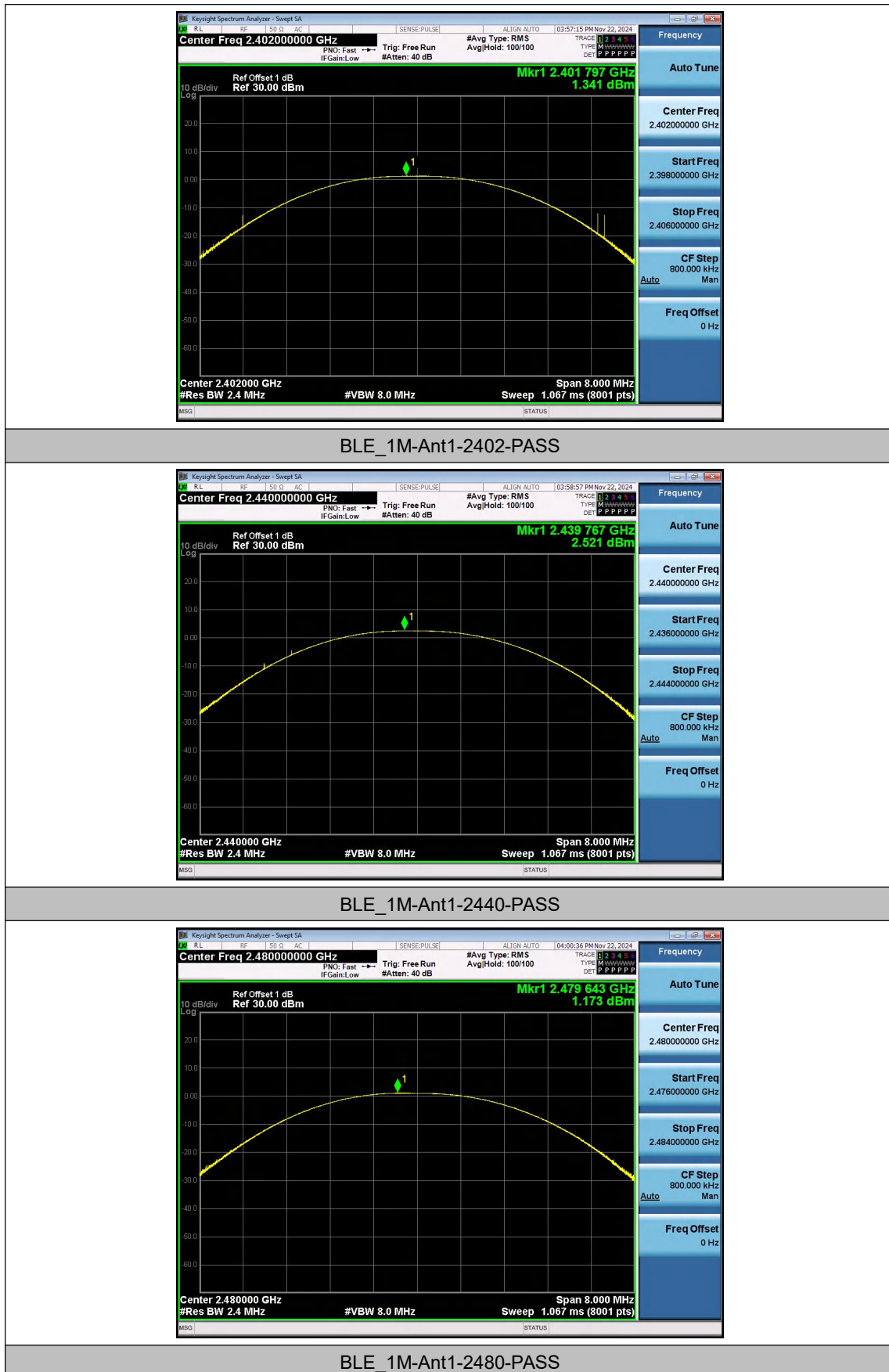
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.34	≤30	PASS
BLE_1M	Ant1	2440	2.52	≤30	PASS
BLE_1M	Ant1	2480	1.17	≤30	PASS



Test Graphs Peak



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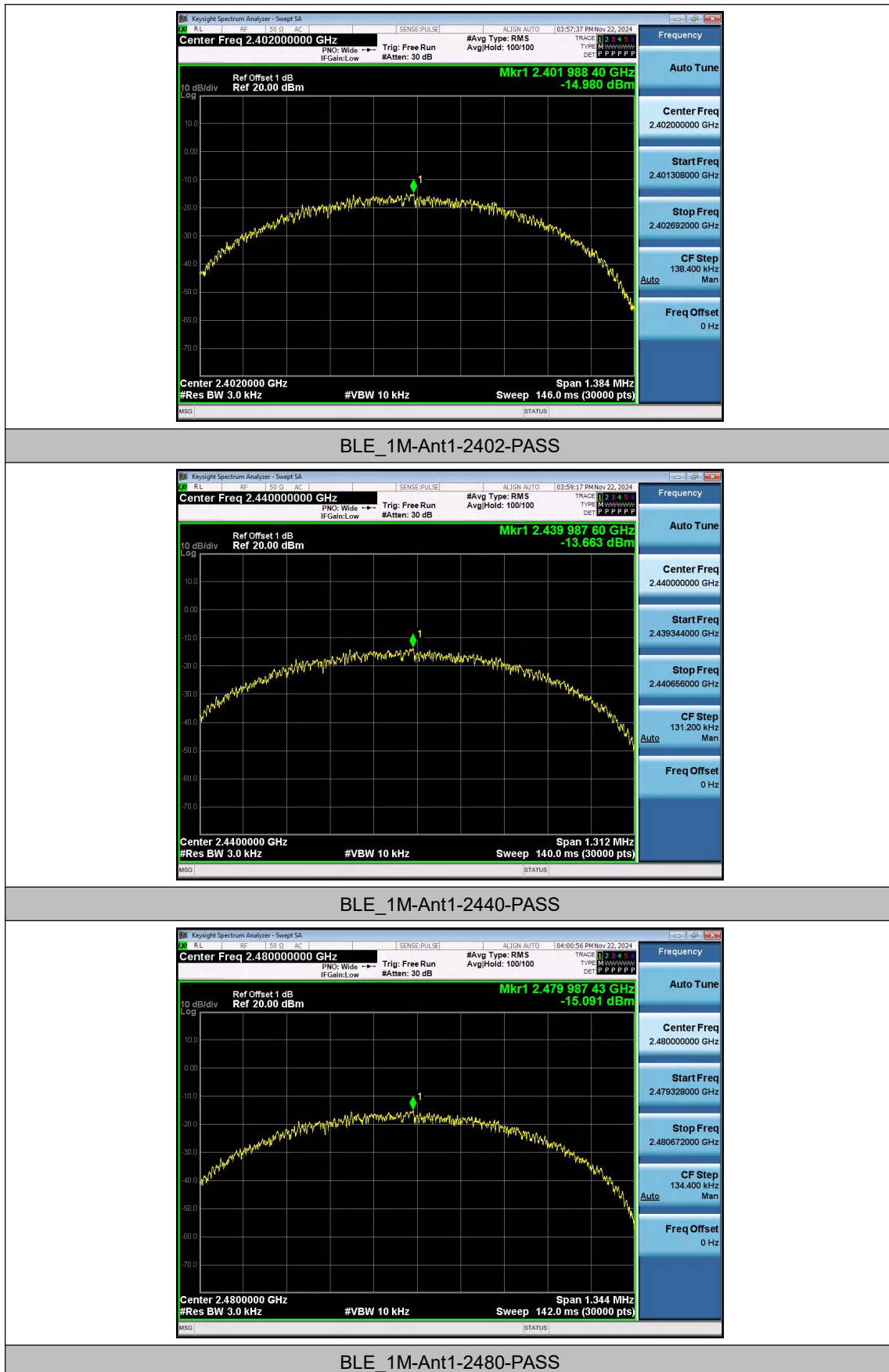
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.98	≤8.00	PASS
BLE_1M	Ant1	2440	-13.66	≤8.00	PASS
BLE_1M	Ant1	2480	-15.09	≤8.00	PASS



Test Graphs



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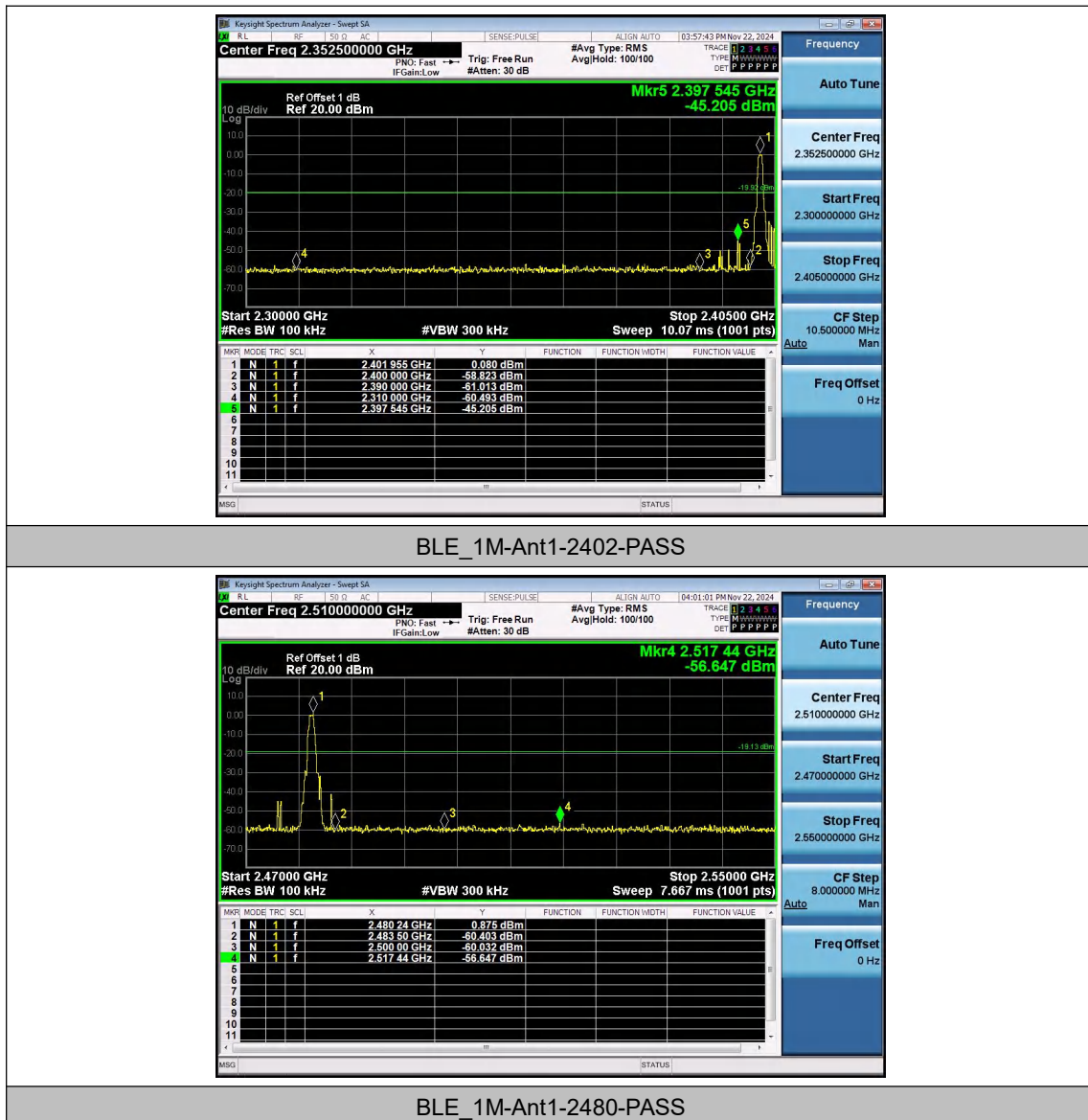


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.08	-45.21	≤-19.92	PASS
BLE_1M	Ant1	High	2480	0.88	-56.65	≤-19.13	PASS

Test Graphs



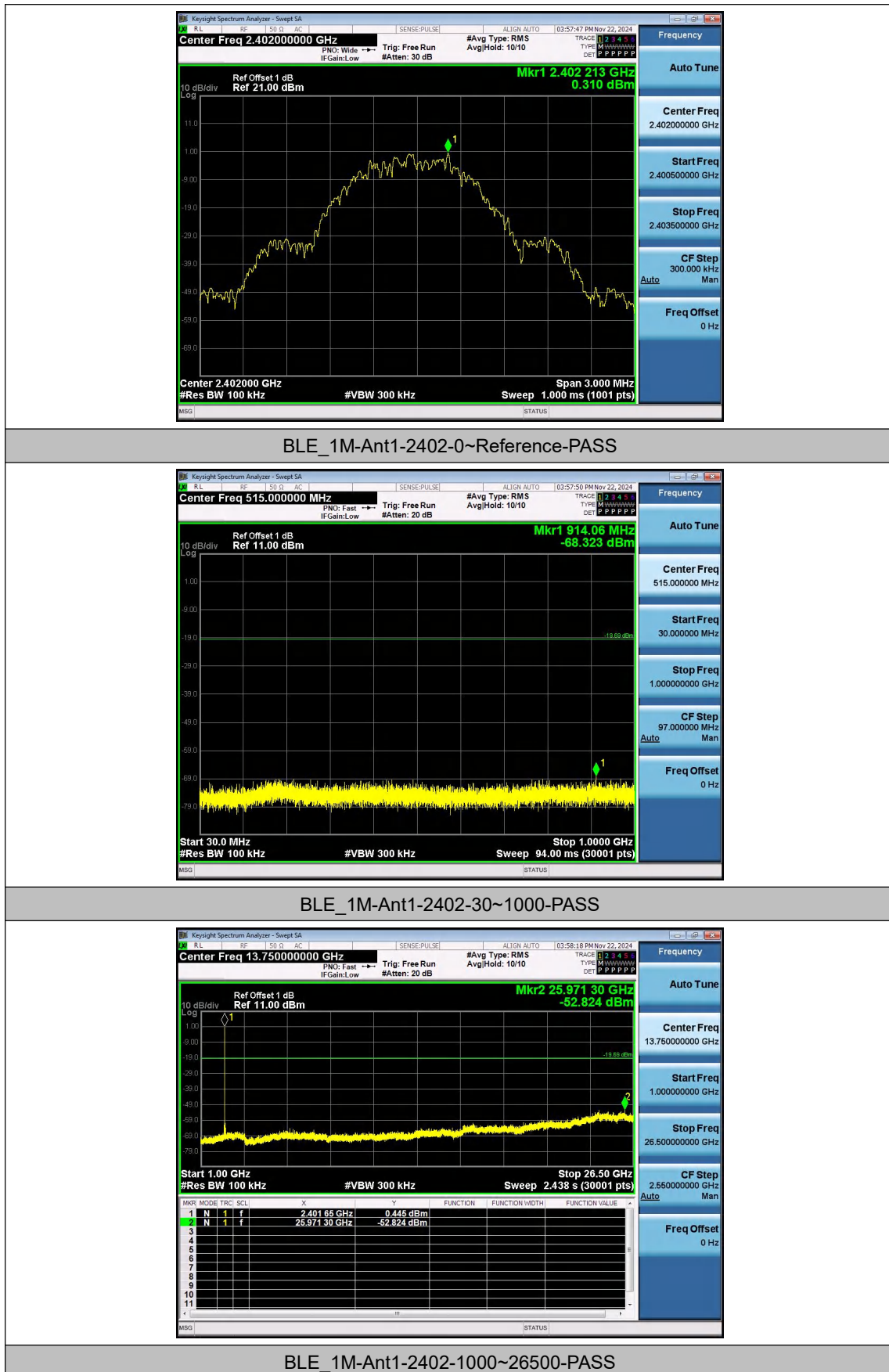
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.31	0.31	---	PASS
BLE_1M	Ant1	2402	30~1000	0.31	-68.32	≤-19.69	PASS
BLE_1M	Ant1	2402	1000~26500	0.31	-52.82	≤-19.69	PASS
BLE_1M	Ant1	2440	0~Reference	1.32	1.32	---	PASS
BLE_1M	Ant1	2440	30~1000	1.32	-68.2	≤-18.68	PASS
BLE_1M	Ant1	2440	1000~26500	1.32	-52.25	≤-18.68	PASS
BLE_1M	Ant1	2480	0~Reference	-0.46	-0.46	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.46	-69.26	≤-20.46	PASS
BLE_1M	Ant1	2480	1000~26500	-0.46	-53.33	≤-20.46	PASS



Test Graphs



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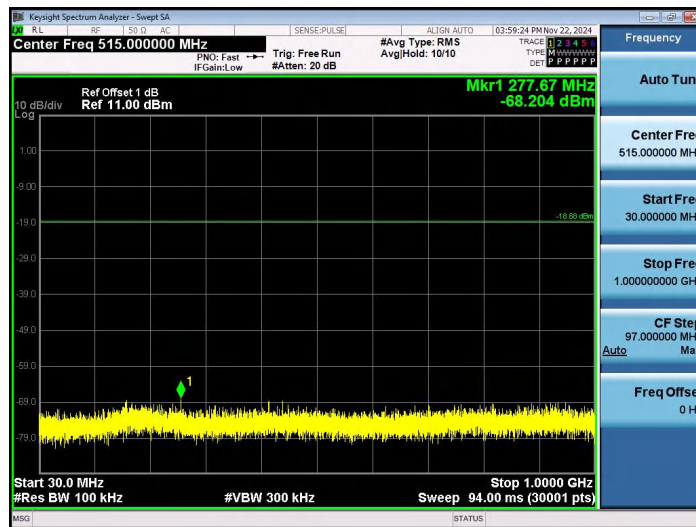
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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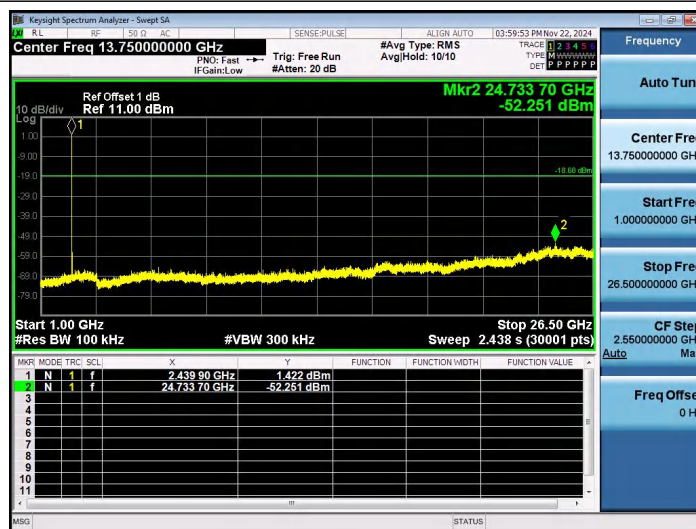




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS

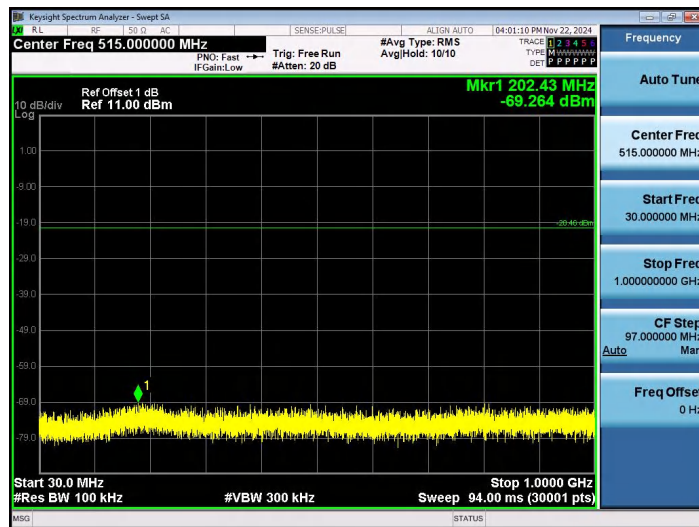


BLE_1M-Ant1-2440-1000~26500-PASS

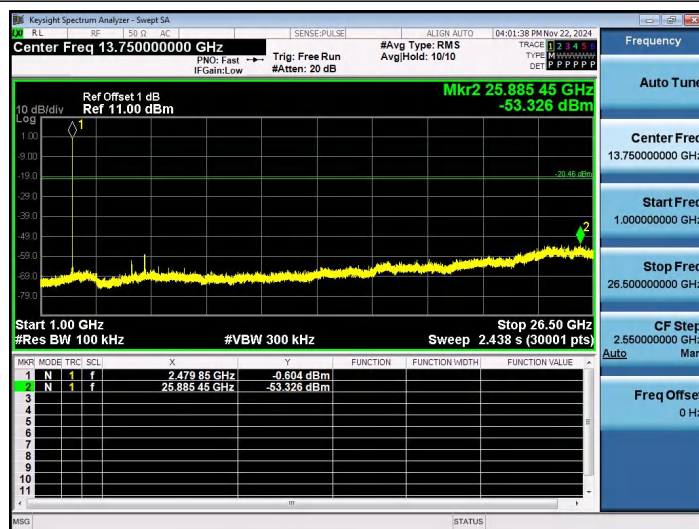




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

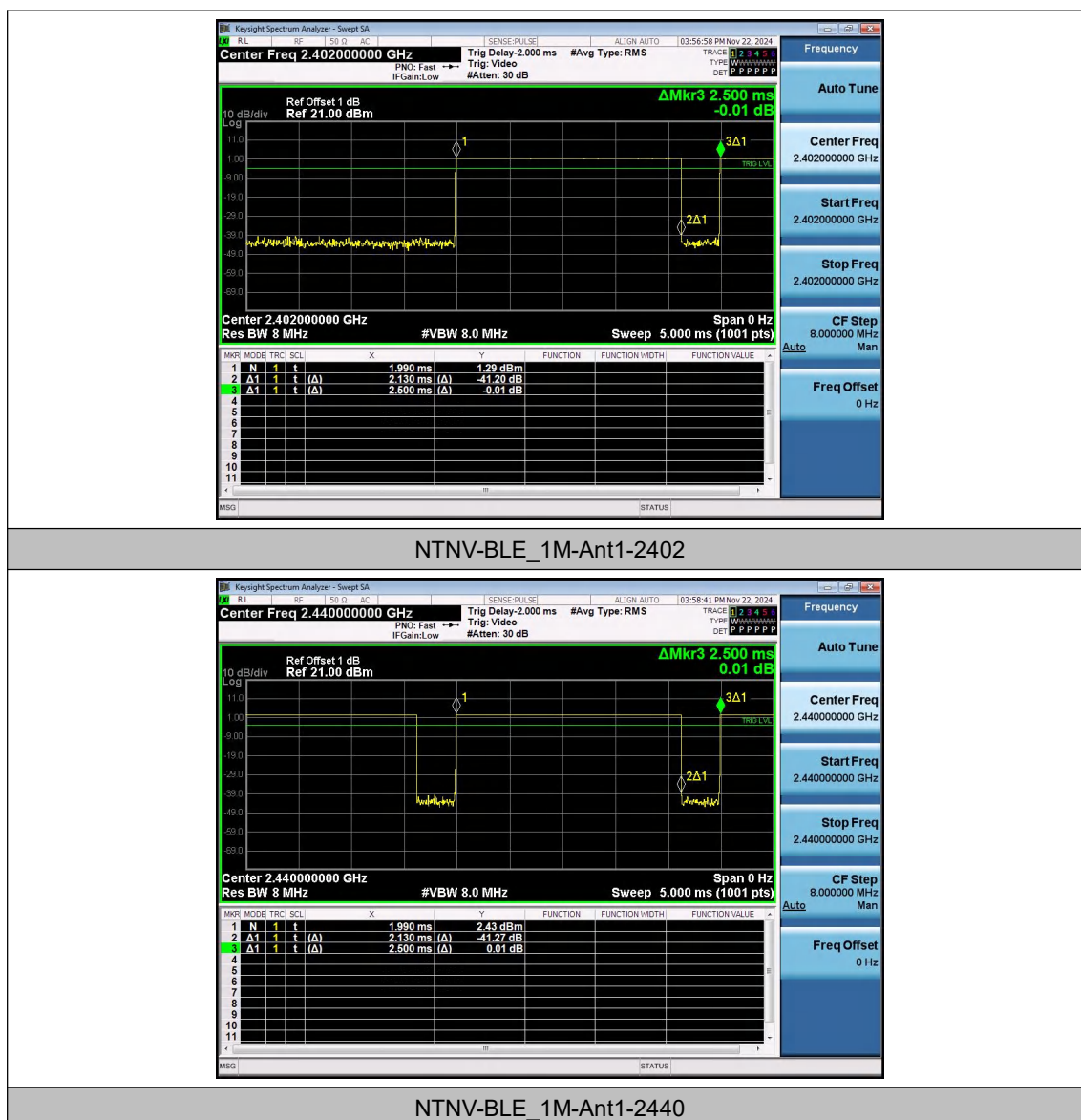


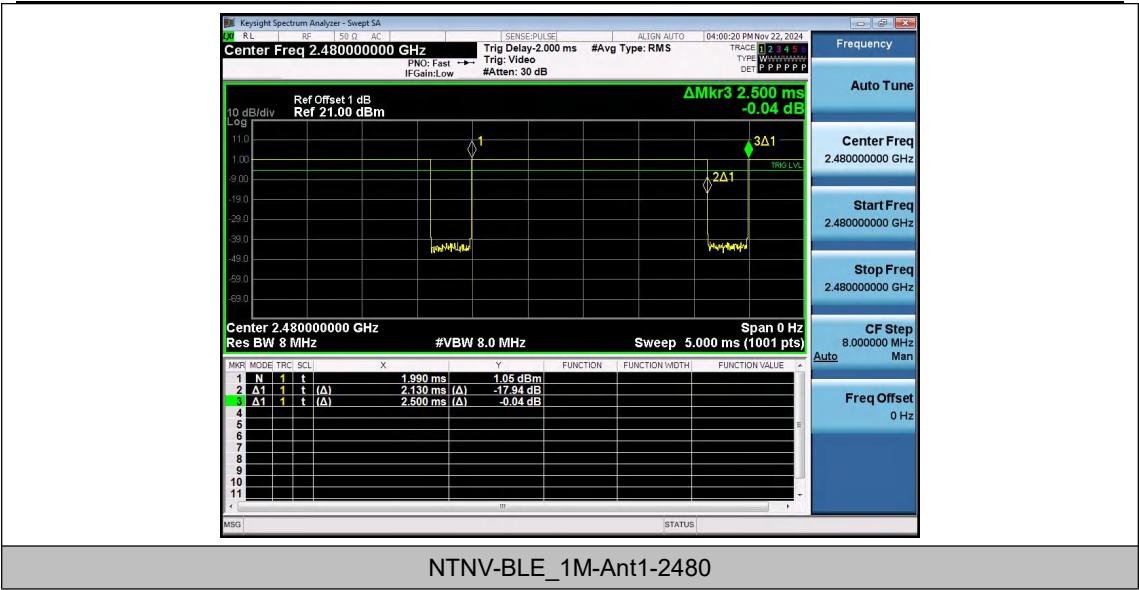
Appendix G: Duty Cycle

Test Result

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	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

Test Graphs





---End---

