

Appendix Test Data

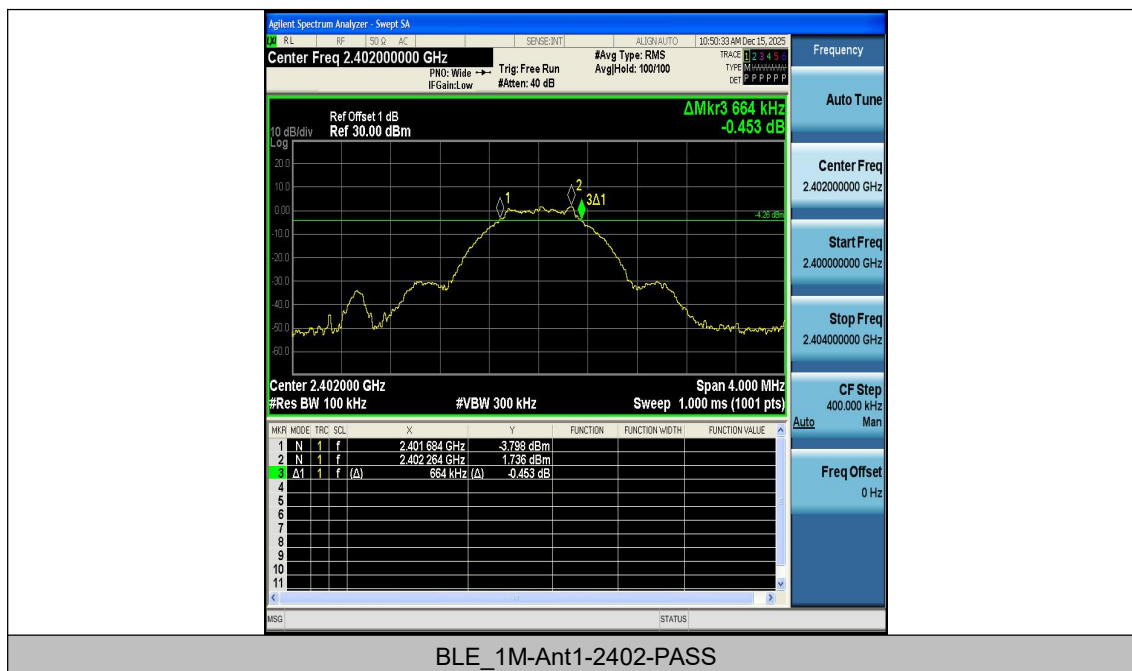
Report No.:	1812C50654512501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-15	Finish Test Date:	2025-12-15
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	22°C	Relative Humidity:	40%
Pressure:	101kPa		

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	0.664	2401.684	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.652	2439.696	2440.348	0.5	PASS
BLE_1M	Ant1	2480	0.668	2479.680	2480.348	0.5	PASS

Test Graphs





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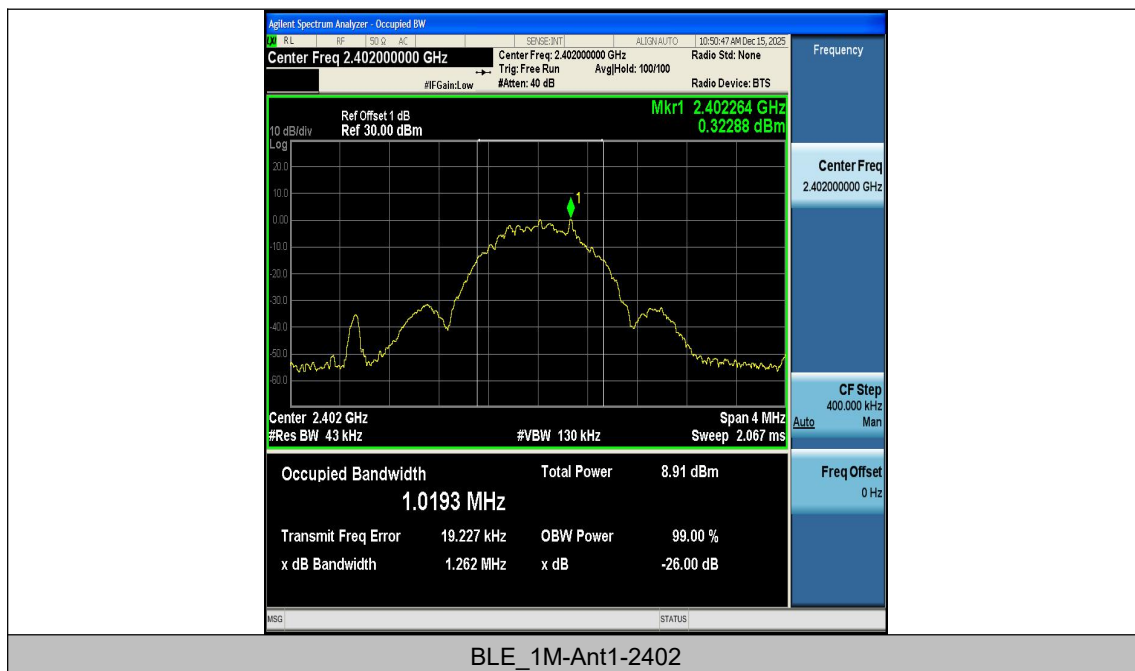
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

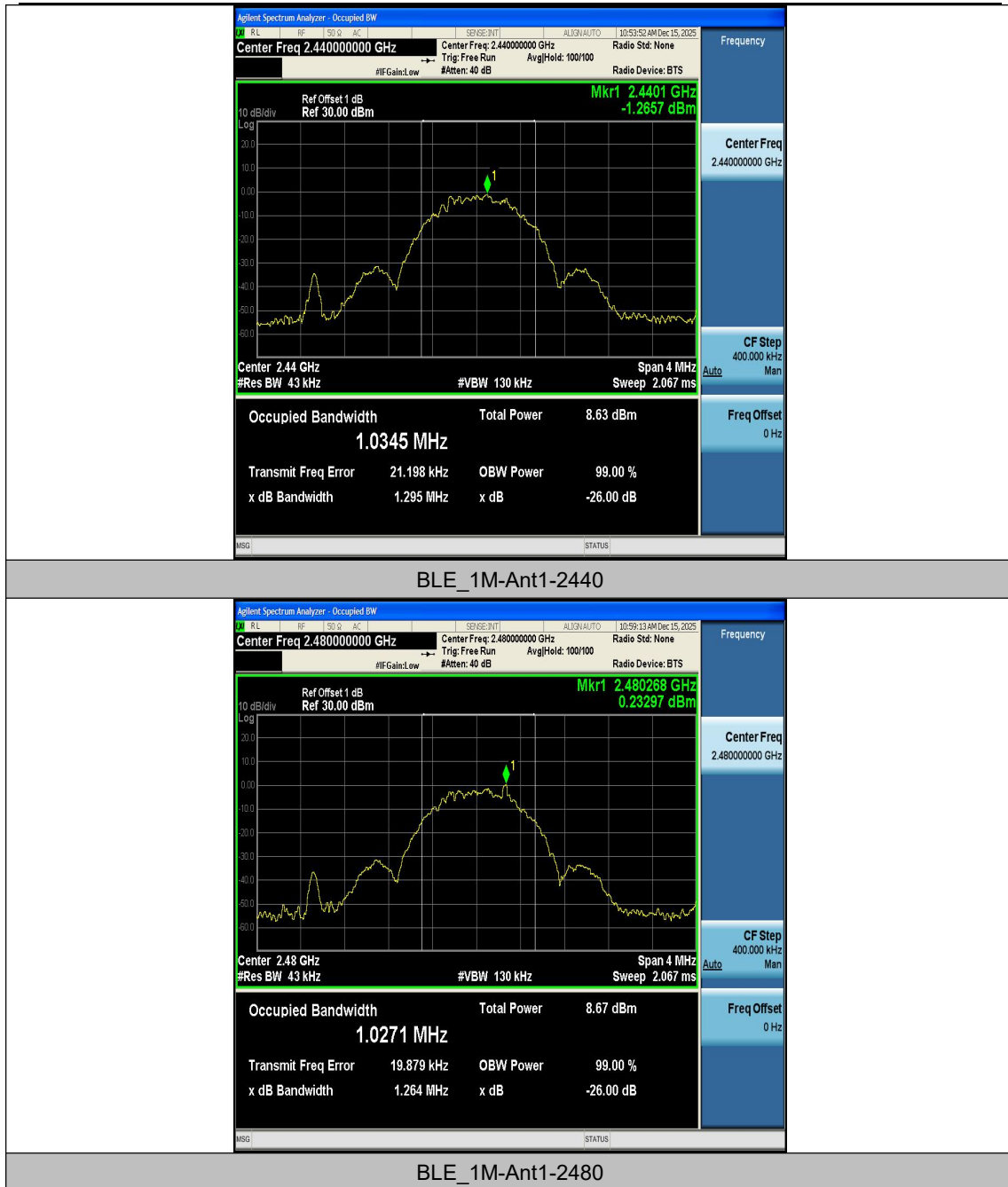
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0193	2401.5096	2402.5289	---	---
BLE_1M	Ant1	2440	1.0345	2439.5040	2440.5385	---	---
BLE_1M	Ant1	2480	1.0271	2479.5063	2480.5334	---	---

Test Graphs





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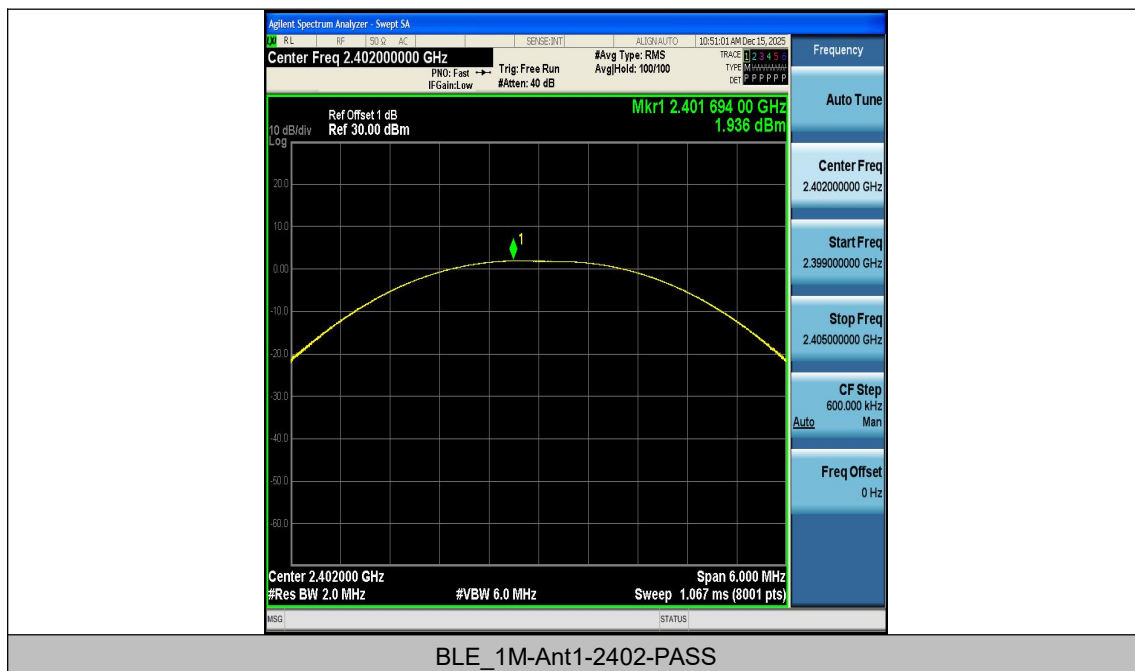
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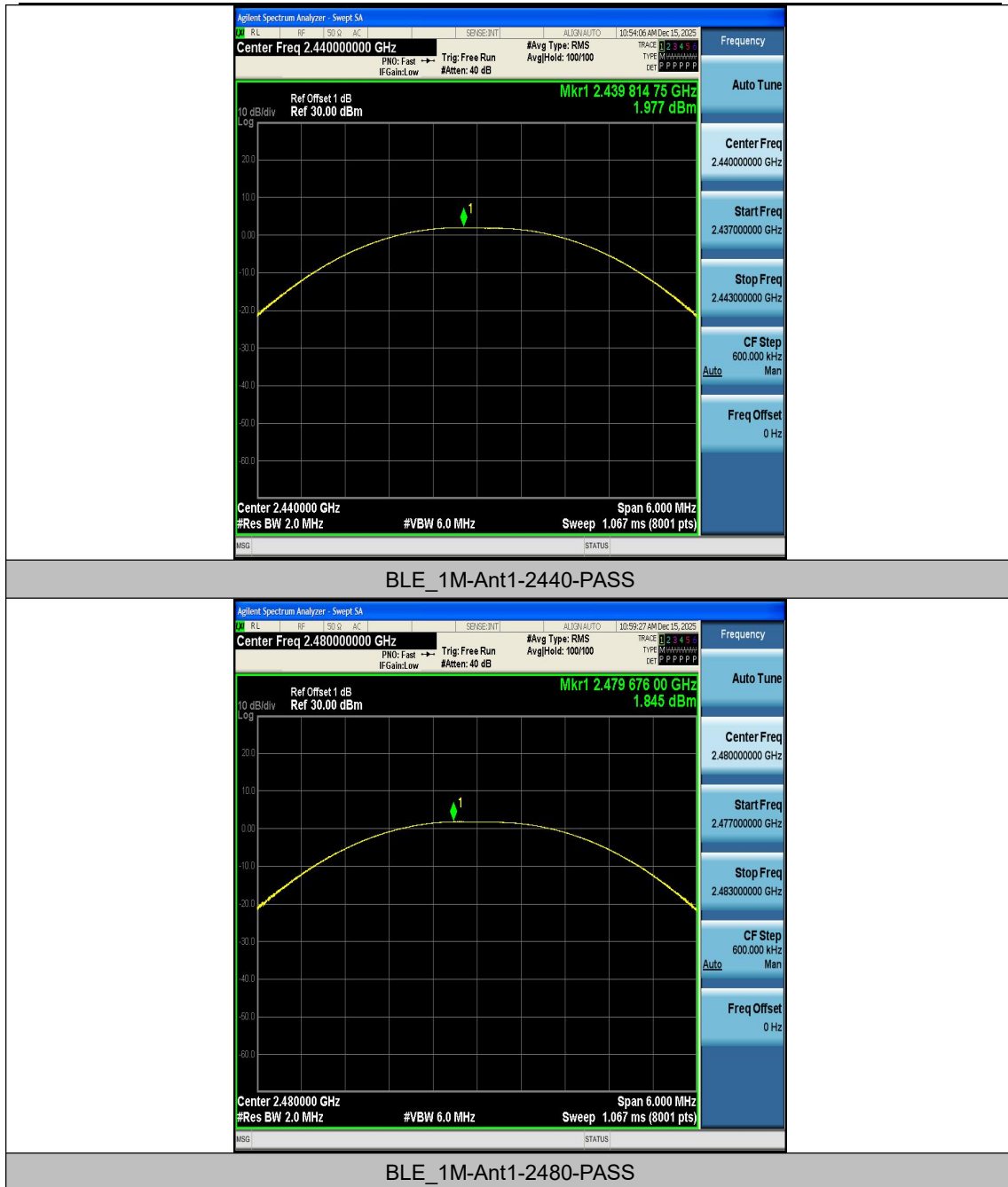
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.94	≤30	PASS
BLE_1M	Ant1	2440	1.98	≤30	PASS
BLE_1M	Ant1	2480	1.85	≤30	PASS

Test Graphs Peak





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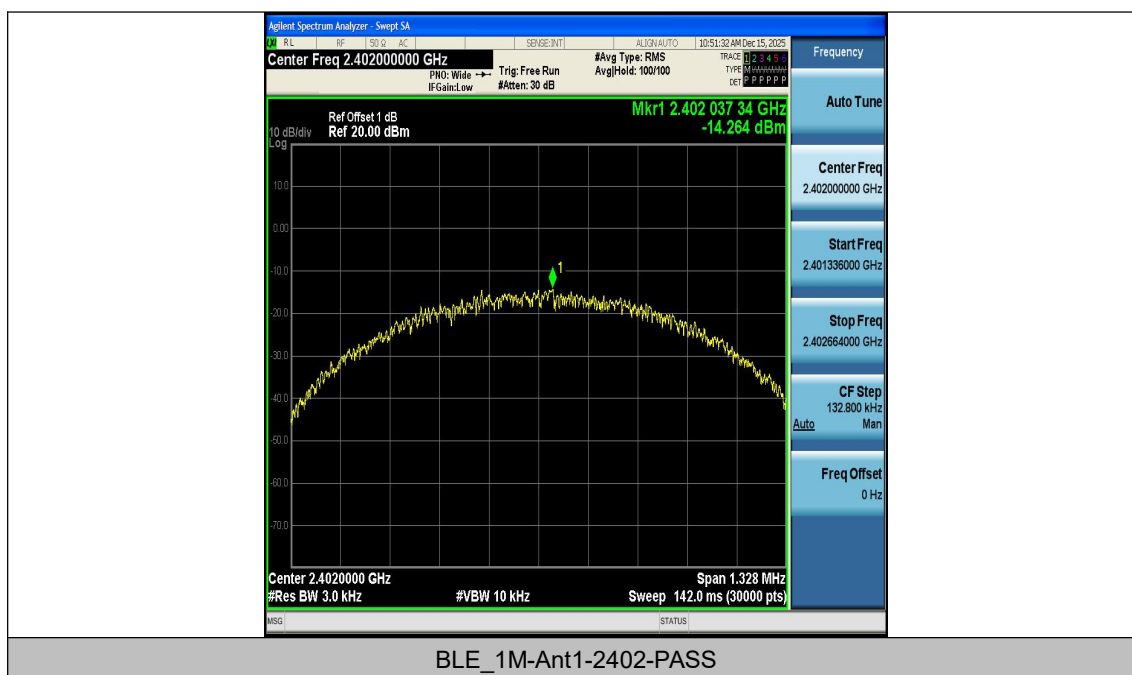
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

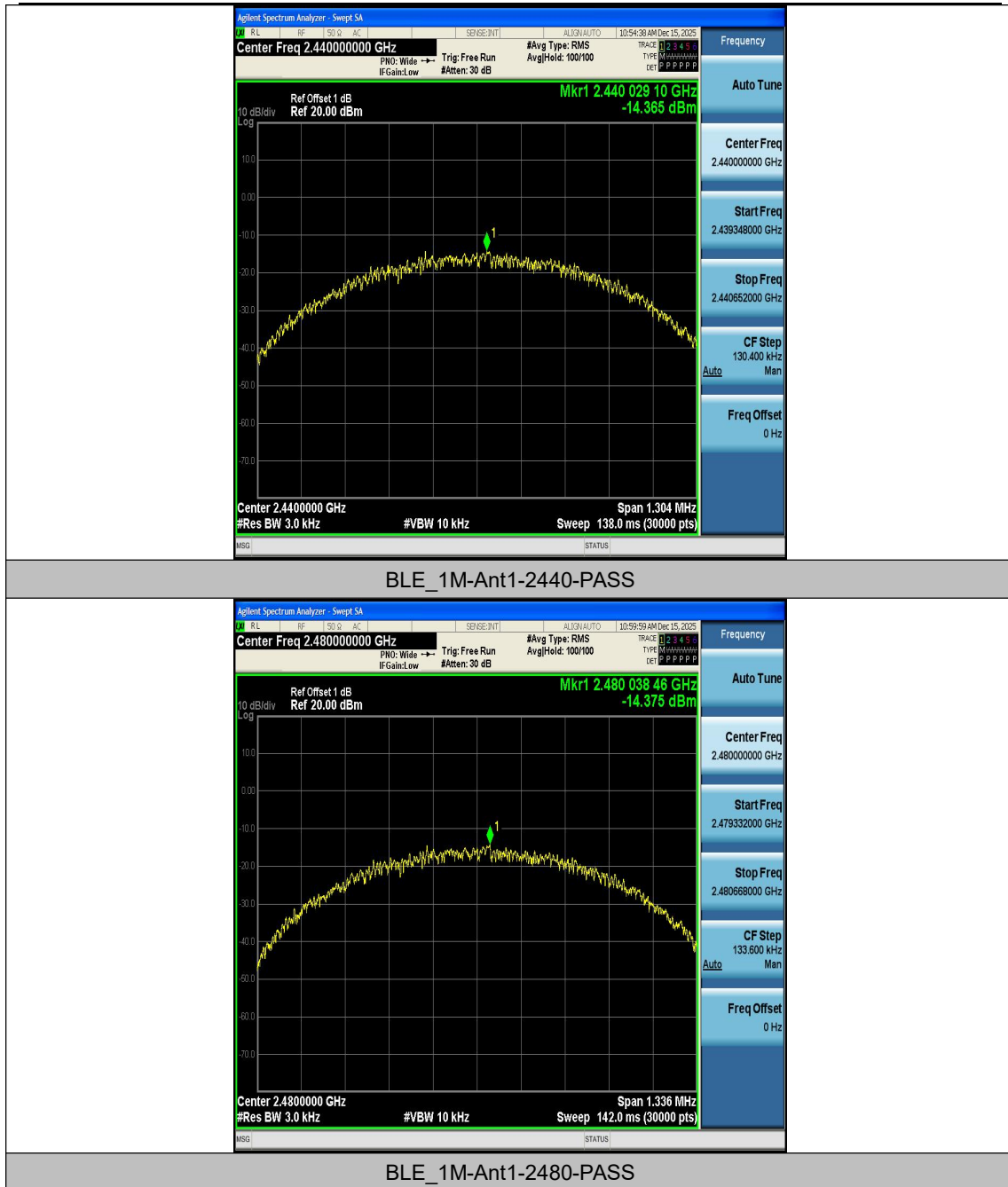
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.26	≤8.00	PASS
BLE_1M	Ant1	2440	-14.37	≤8.00	PASS
BLE_1M	Ant1	2480	-14.38	≤8.00	PASS

Test Graphs





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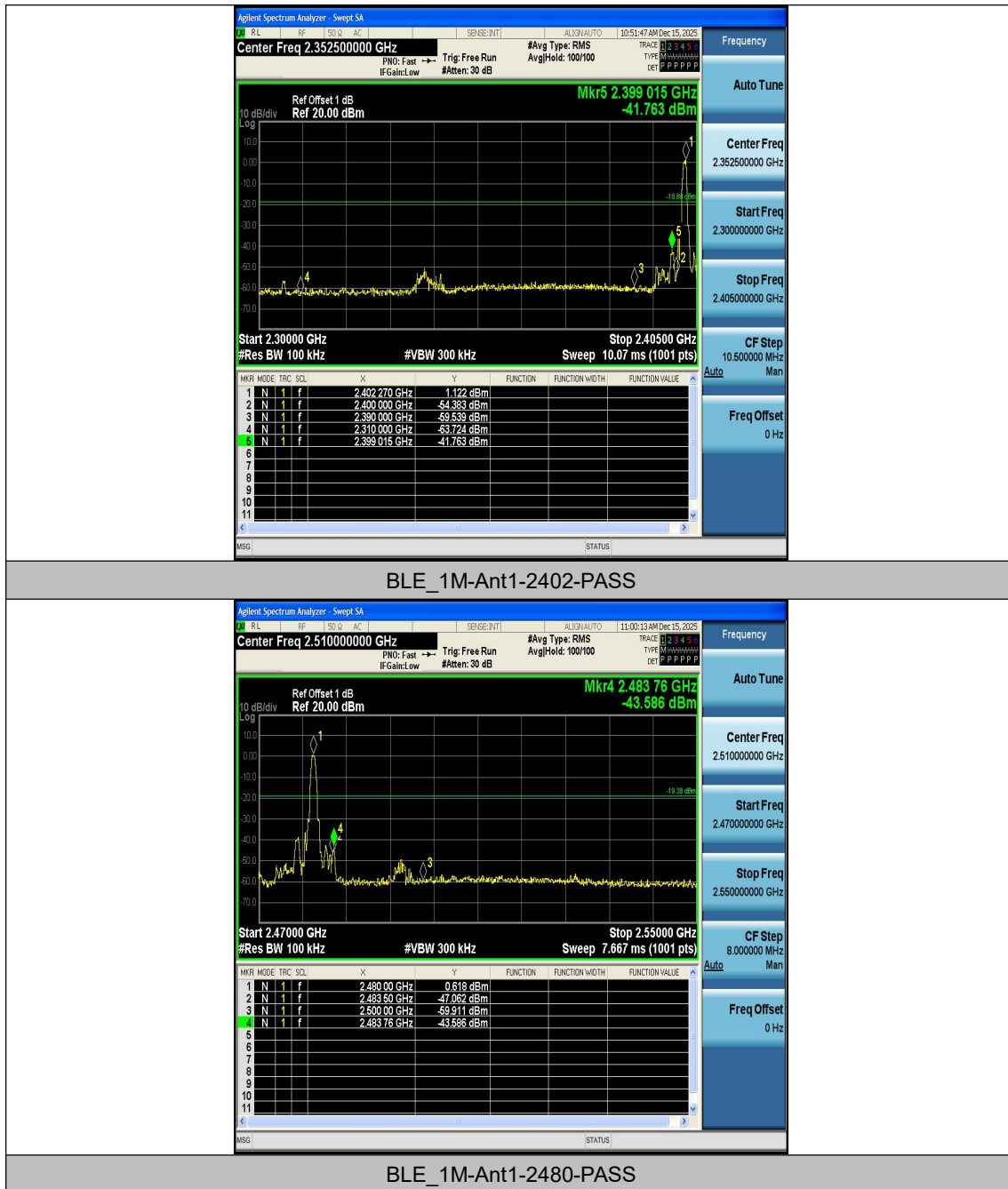
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.12	-41.76	≤-18.88	PASS
BLE_1M	Ant1	High	2480	0.62	-43.59	≤-19.38	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

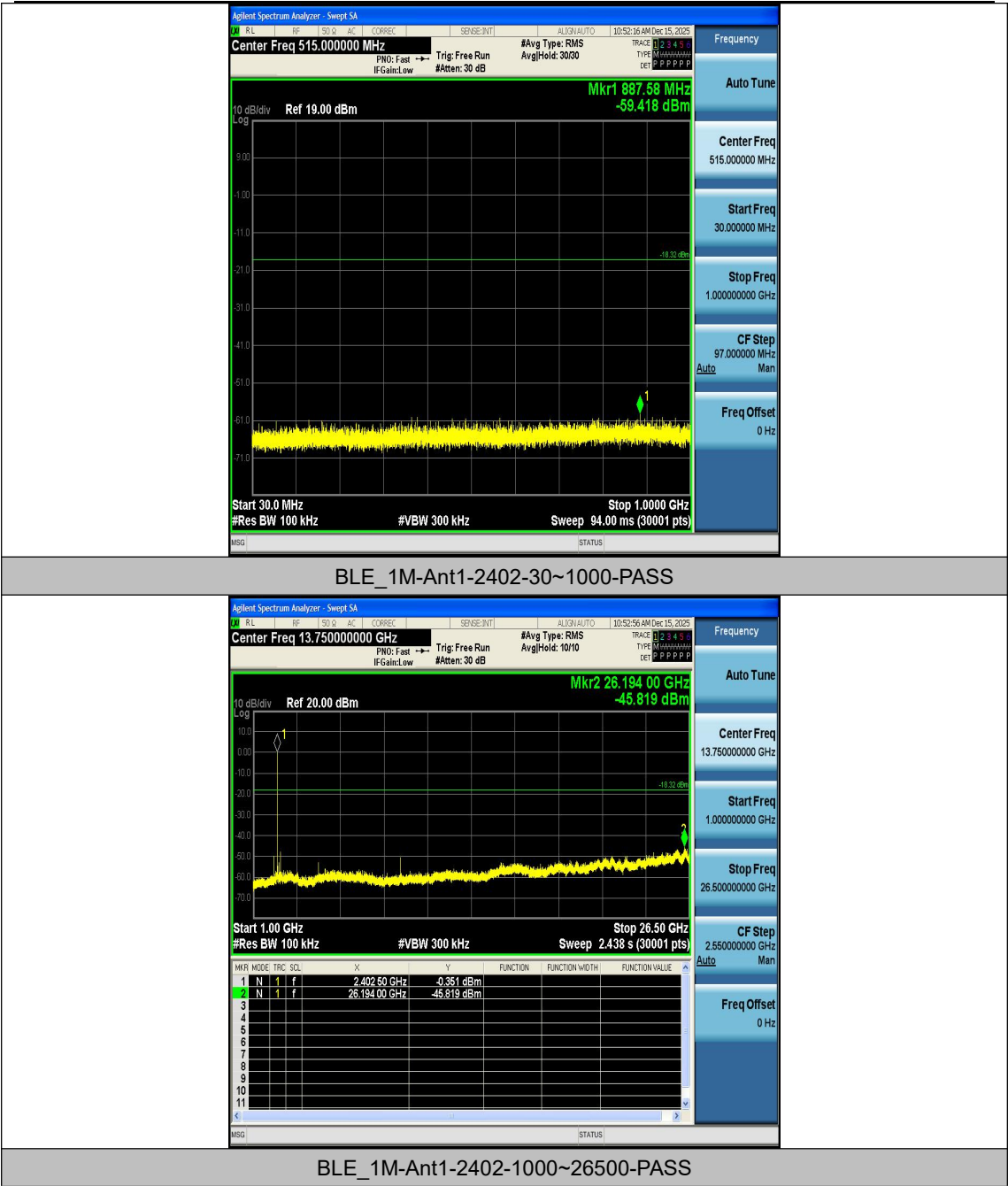
Test Result

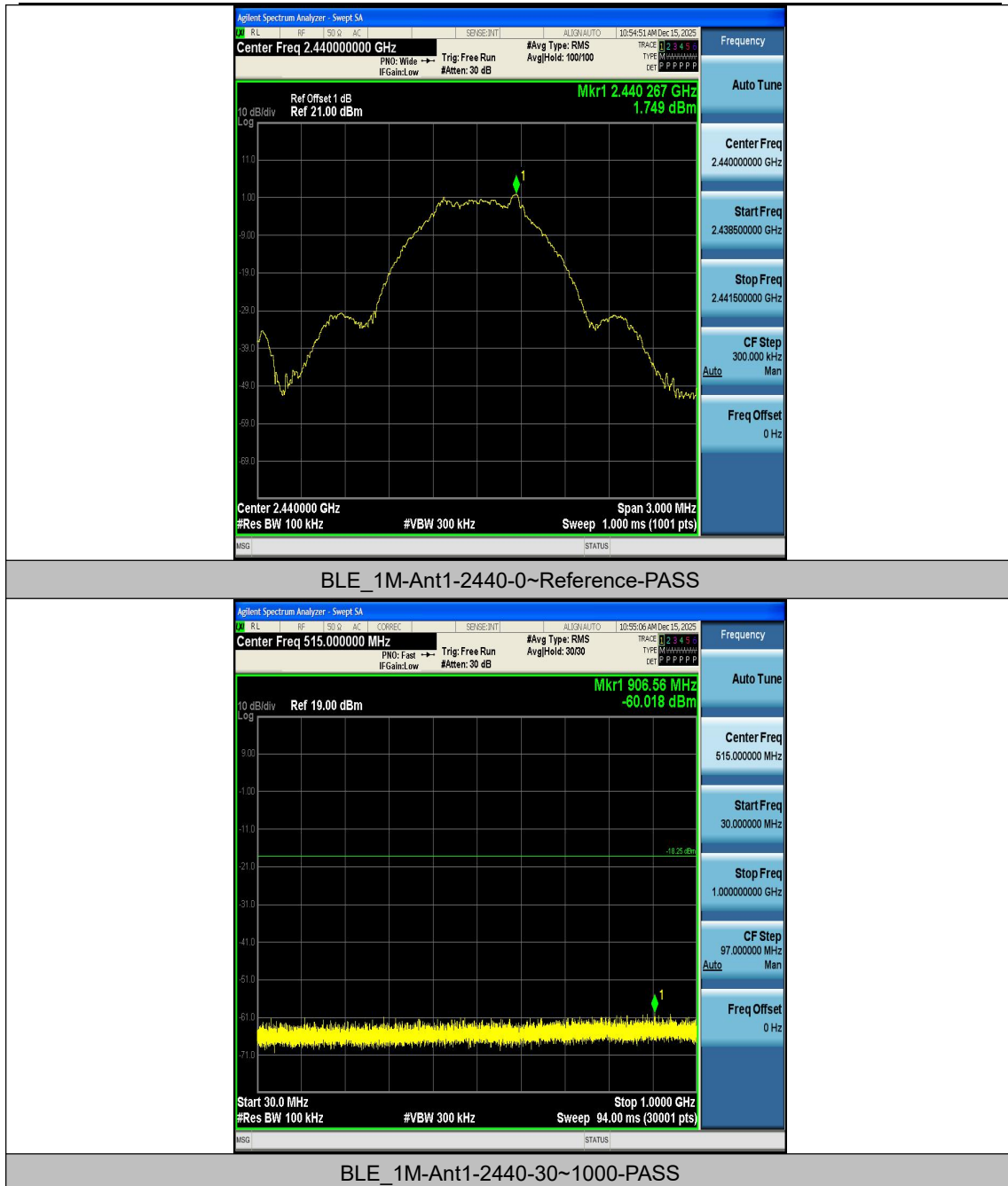
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.68	1.68	---	PASS
BLE_1M	Ant1	2402	30~1000	1.68	-59.42	≤-18.32	PASS
BLE_1M	Ant1	2402	1000~26500	1.68	-45.82	≤-18.32	PASS
BLE_1M	Ant1	2440	0~Reference	1.75	1.75	---	PASS
BLE_1M	Ant1	2440	30~1000	1.75	-60.02	≤-18.25	PASS
BLE_1M	Ant1	2440	1000~26500	1.75	-44.87	≤-18.25	PASS
BLE_1M	Ant1	2480	0~Reference	0.48	0.48	---	PASS
BLE_1M	Ant1	2480	30~1000	0.48	-60	≤-19.52	PASS
BLE_1M	Ant1	2480	1000~26500	0.48	-46.18	≤-19.52	PASS

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

Test Graphs



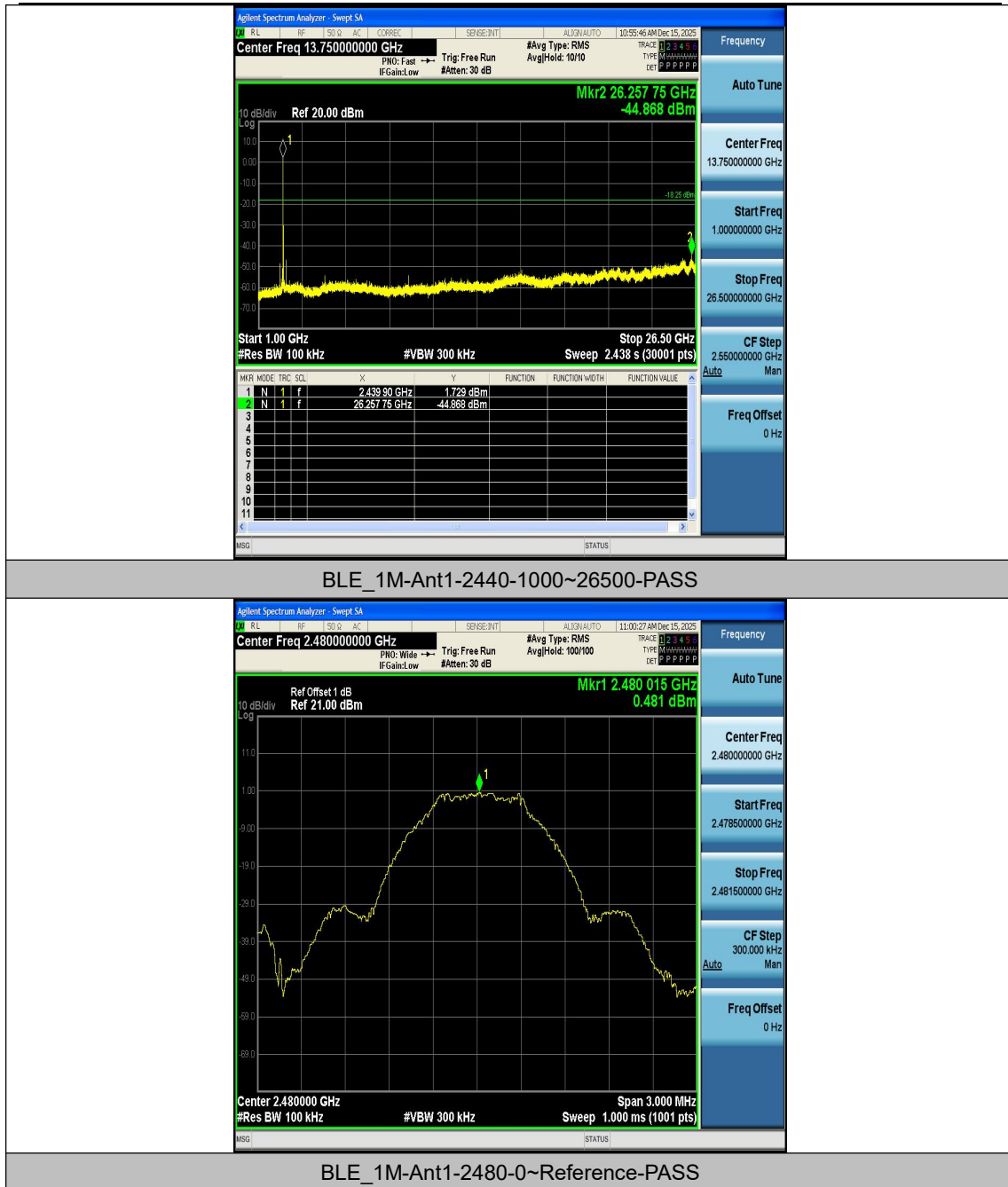




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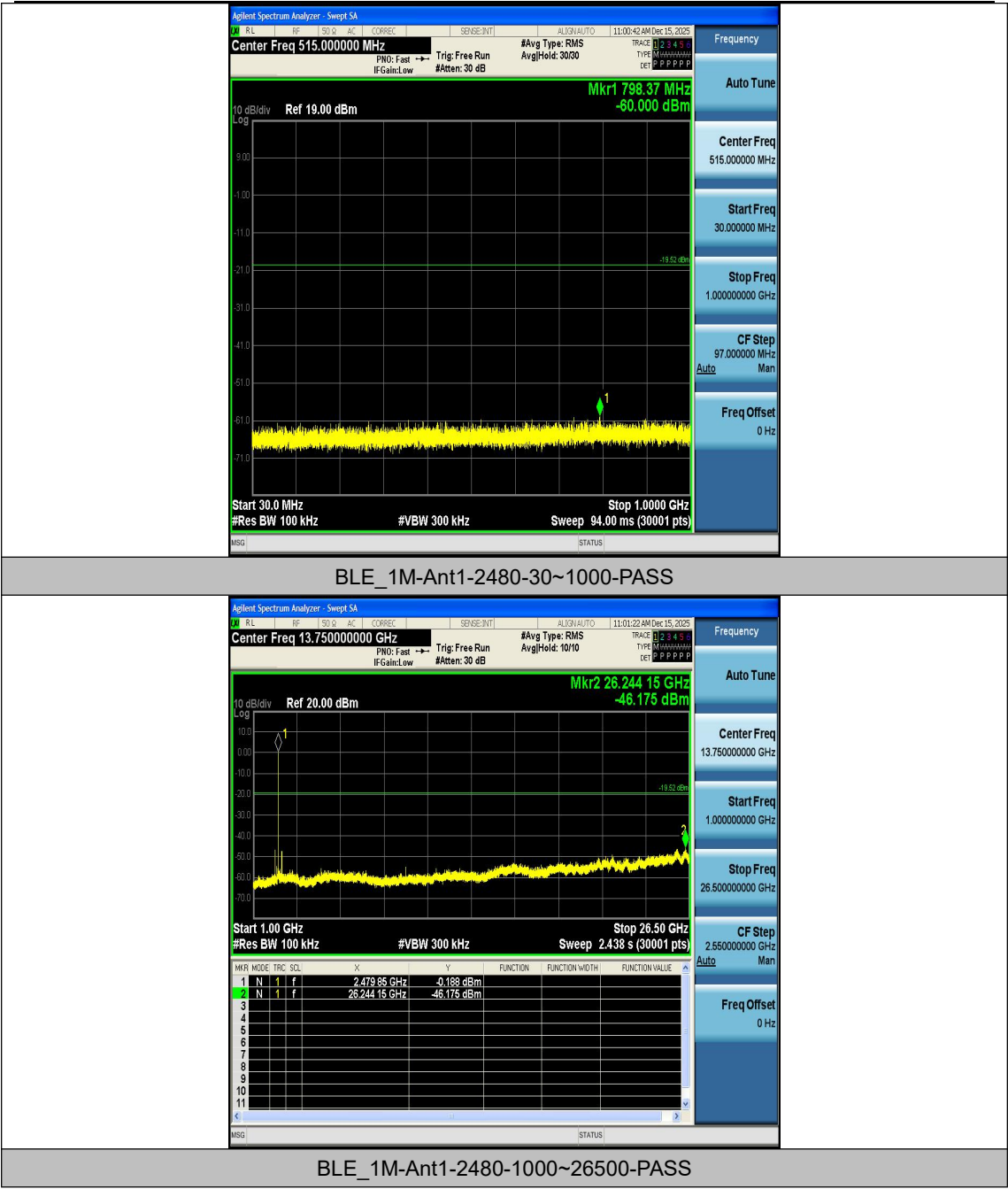
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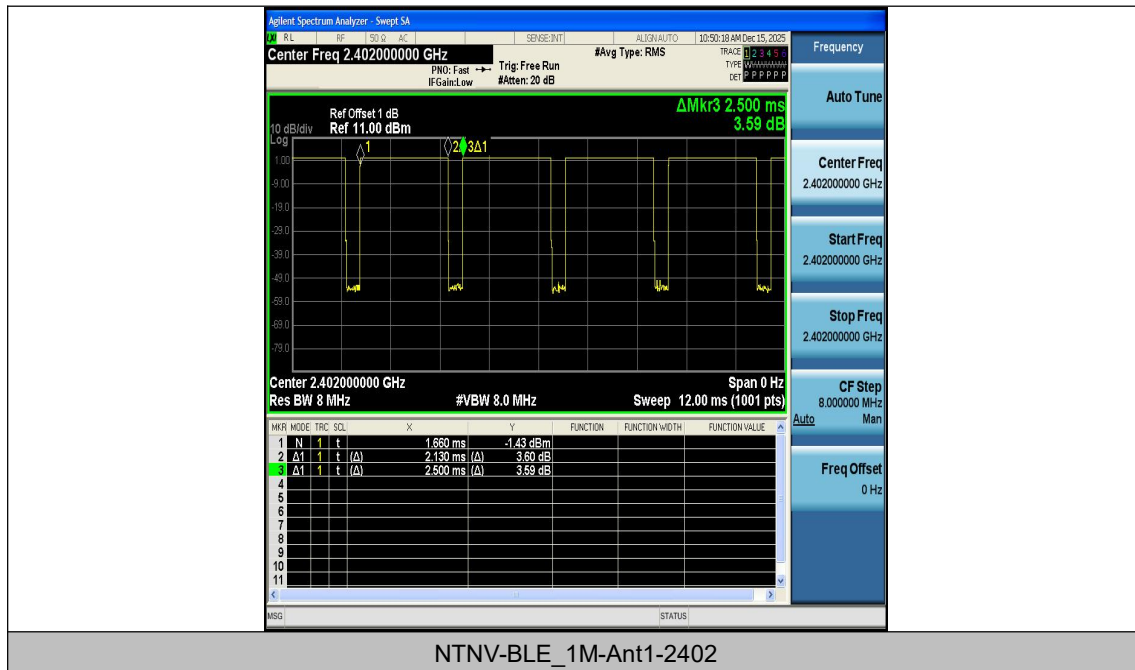


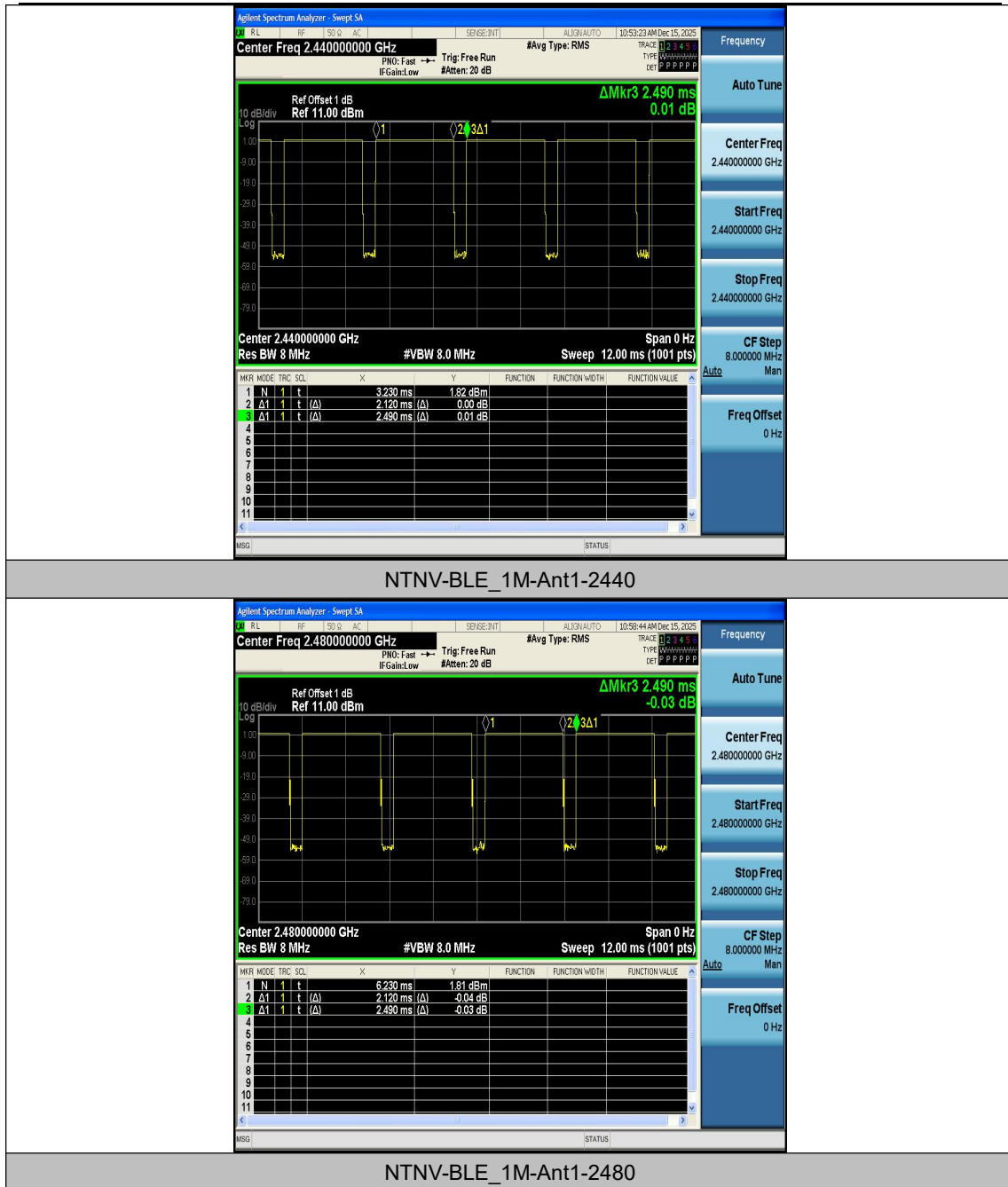
Appendix G: Duty Cycle

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	2.49	85.14	0.70
BLE_1M	Ant1	2480	2.12	2.49	85.14	0.70

Test Graphs





---End---