

Appendix Test Data

Report No.:	1812C50580312501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-5	Finish Test Date:	2025-11-17
Test Engineer:	Alexs Peng	Auditor:	Justin Feng
Temperature:	24.7°C	Relative Humidity:	50%
Pressure:	101kPa		

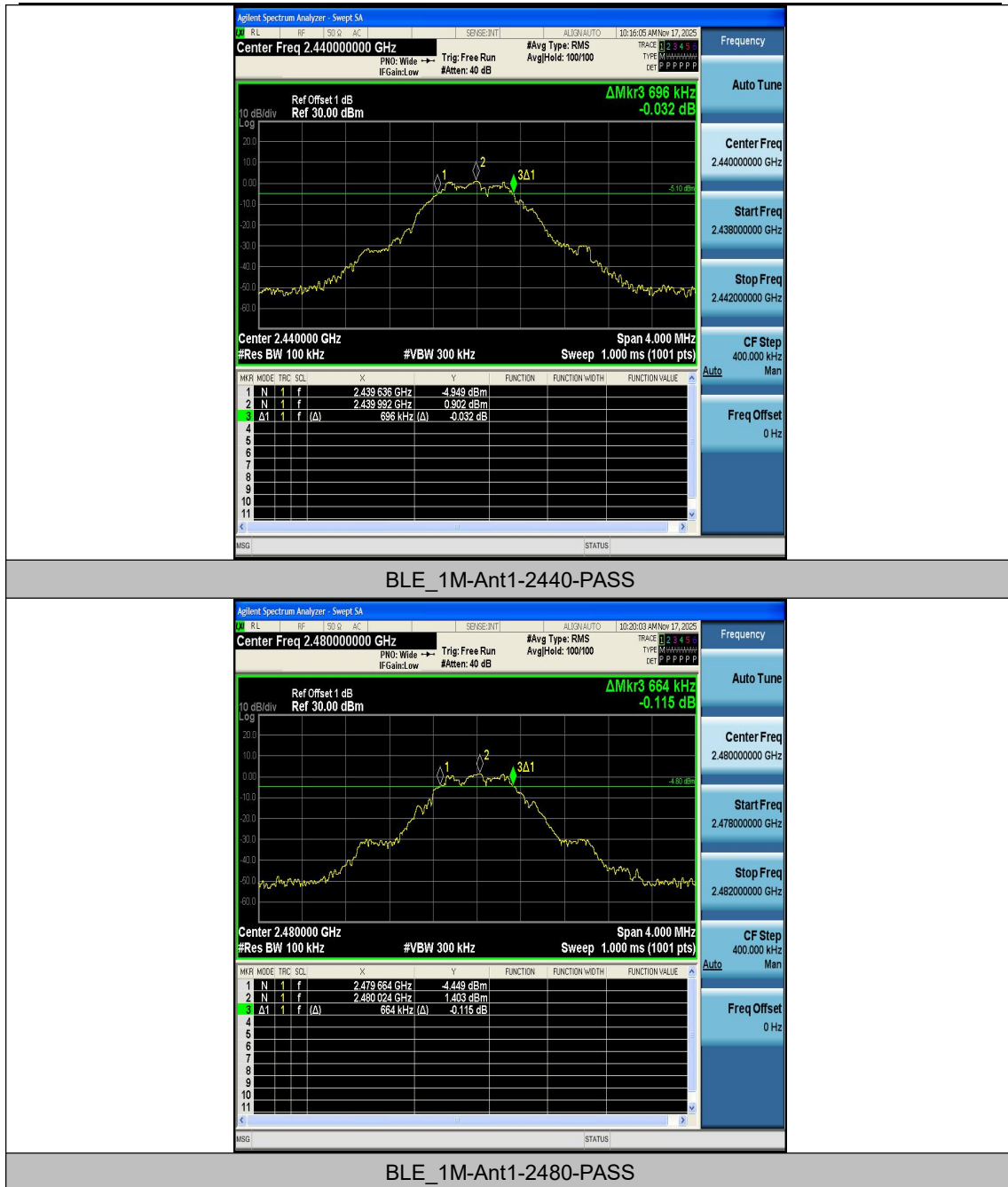
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.648	2401.676	2402.324	0.5	PASS
BLE_1M	Ant1	2440	0.696	2439.636	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.664	2479.664	2480.328	0.5	PASS

Test Graphs





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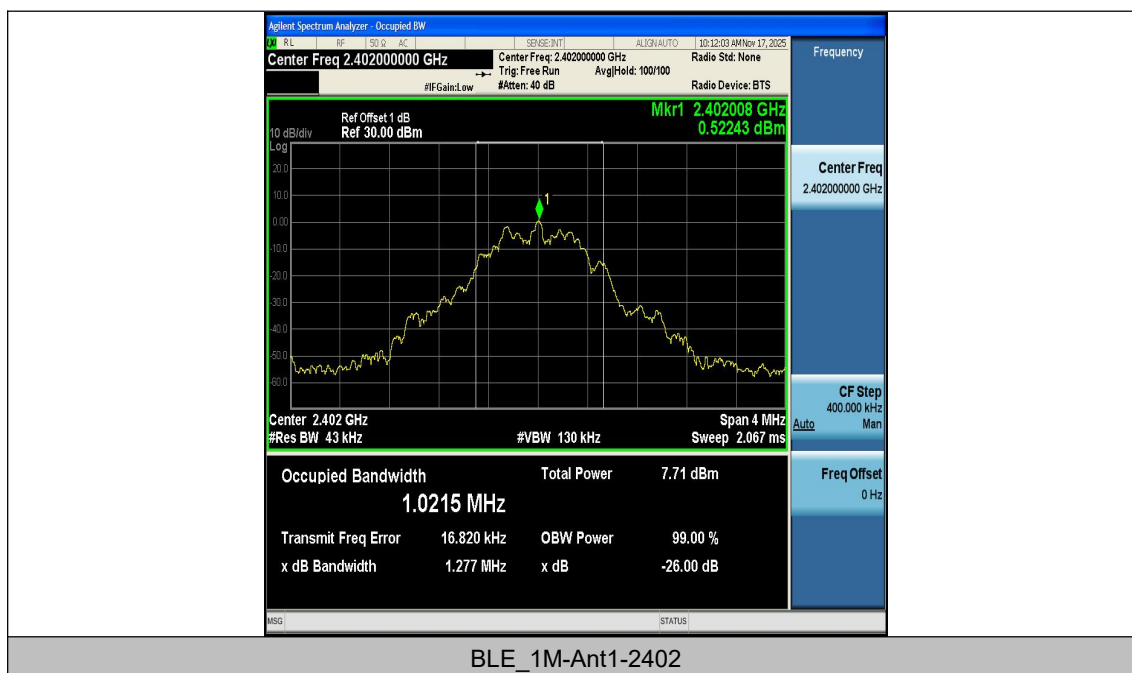
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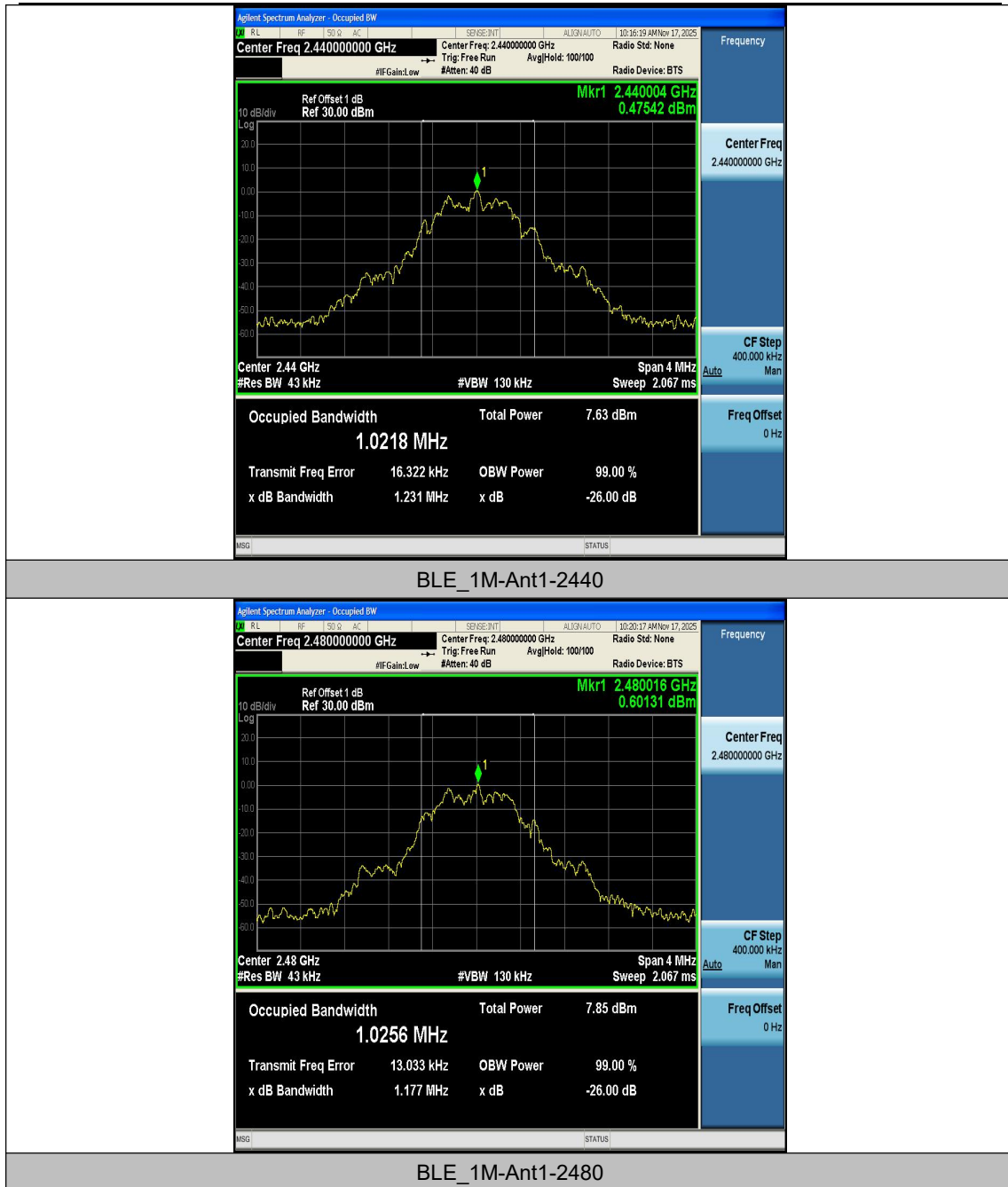
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0215	2401.5061	2402.5276	---	---
BLE_1M	Ant1	2440	1.0218	2439.5054	2440.5272	---	---
BLE_1M	Ant1	2480	1.0256	2479.5002	2480.5258	---	---

Test Graphs





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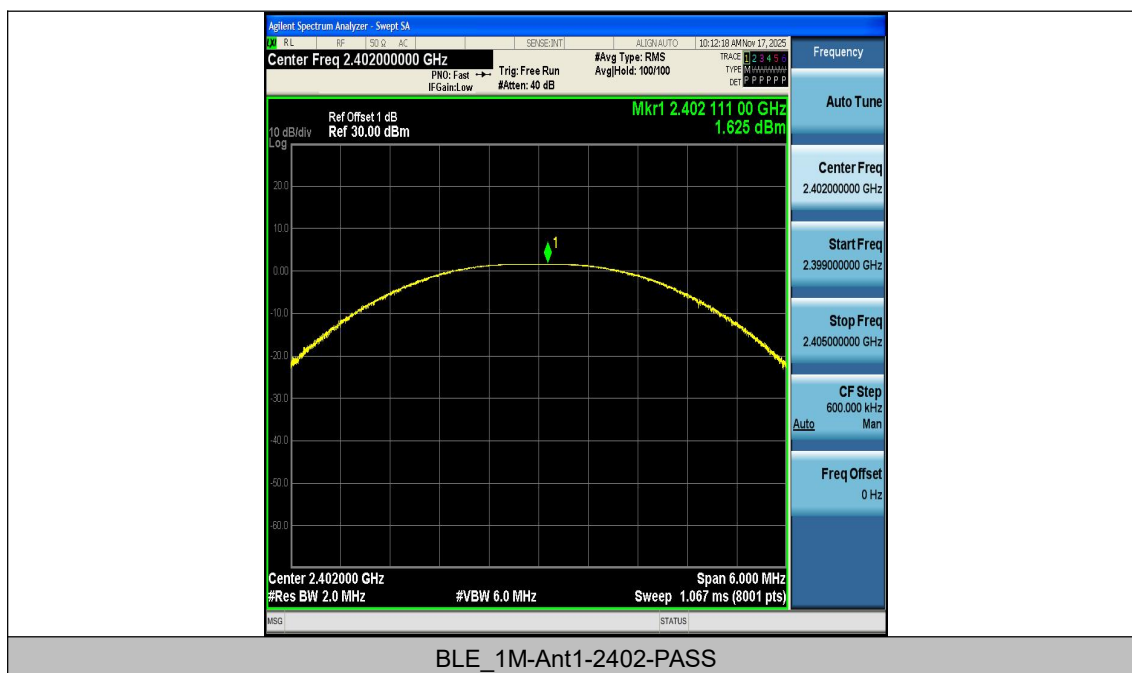
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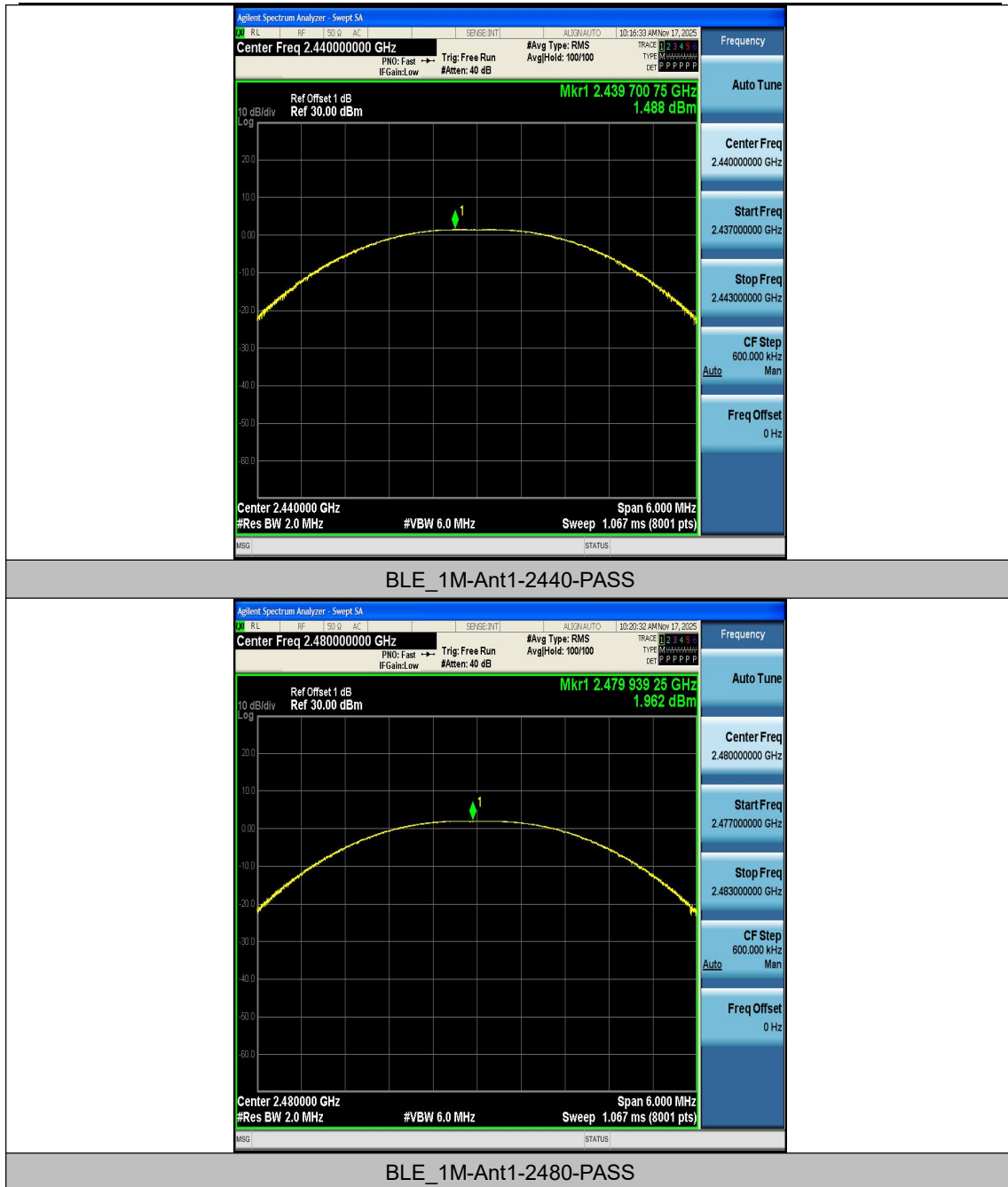
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.63	≤30	PASS
BLE_1M	Ant1	2440	1.49	≤30	PASS
BLE_1M	Ant1	2480	1.96	≤30	PASS

Test Graphs Peak





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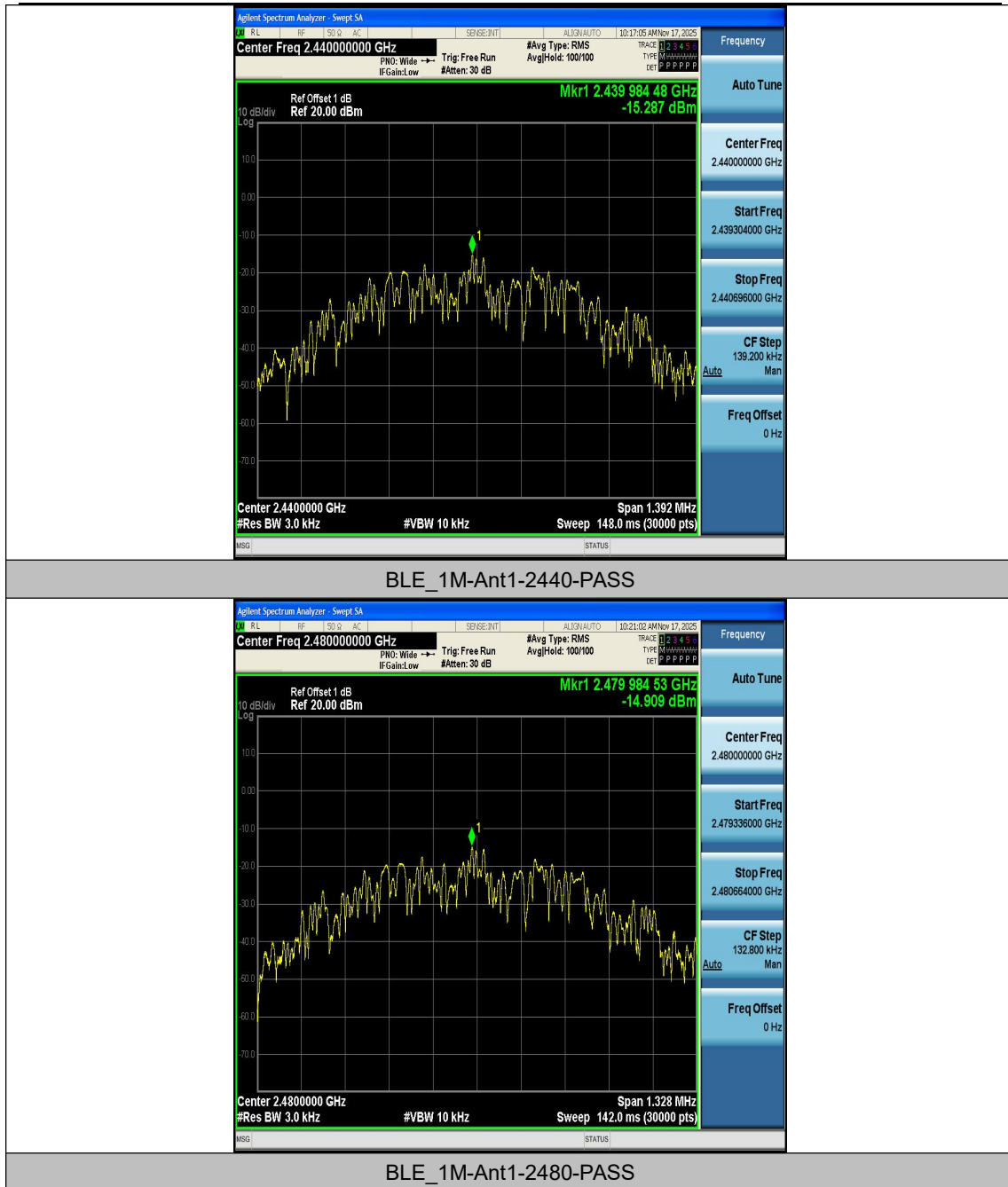
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.34	≤8.00	PASS
BLE_1M	Ant1	2440	-15.29	≤8.00	PASS
BLE_1M	Ant1	2480	-14.91	≤8.00	PASS

Test Graphs





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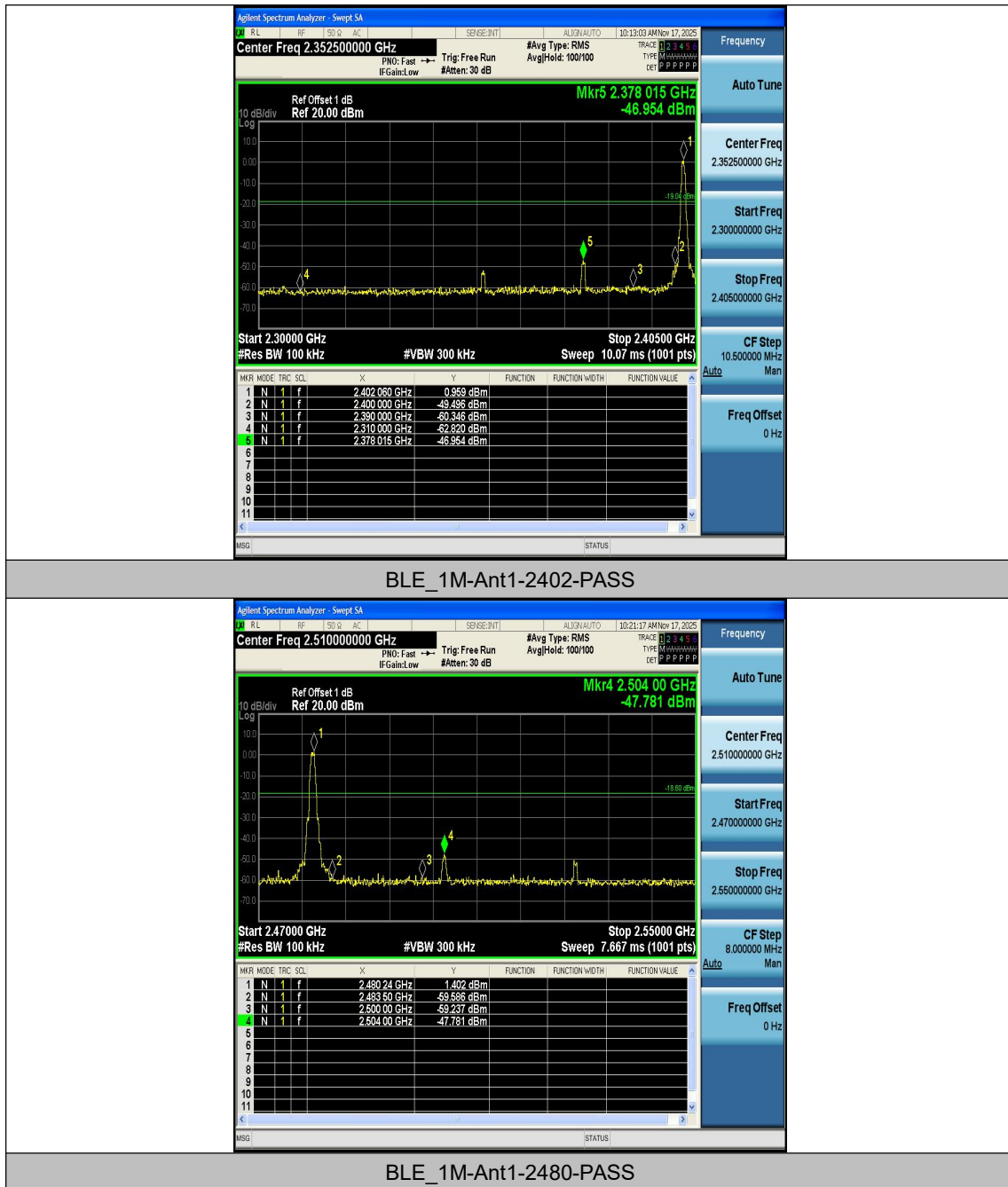
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.96	-46.95	≤-19.04	PASS
BLE_1M	Ant1	High	2480	1.40	-47.78	≤-18.6	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

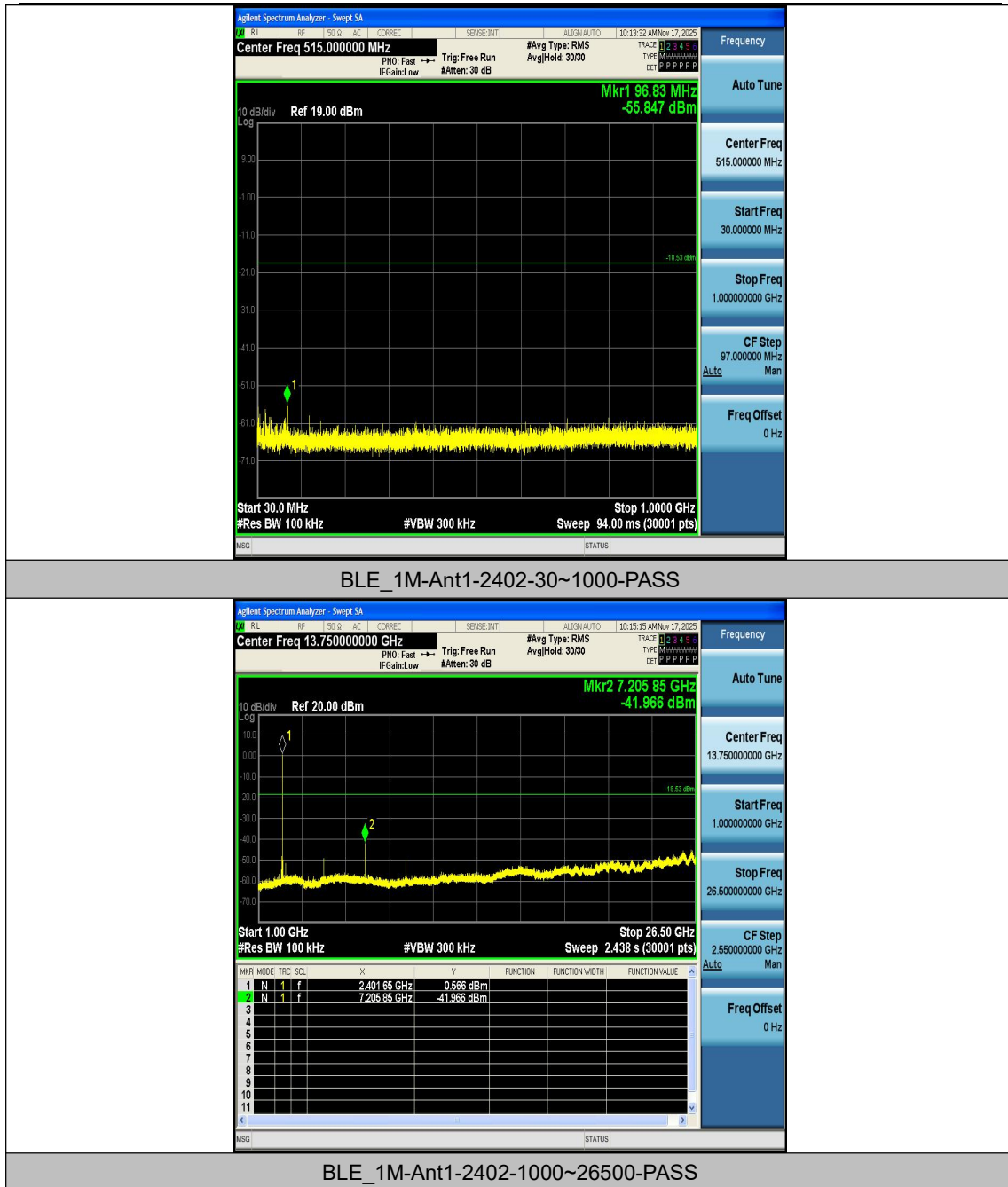
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.47	1.47	---	PASS
BLE_1M	Ant1	2402	30~1000	1.47	-55.85	≤-18.53	PASS
BLE_1M	Ant1	2402	1000~26500	1.47	-41.97	≤-18.53	PASS
BLE_1M	Ant1	2440	0~Reference	1.36	1.36	---	PASS
BLE_1M	Ant1	2440	30~1000	1.36	-56.47	≤-18.64	PASS
BLE_1M	Ant1	2440	1000~26500	1.36	-45.89	≤-18.64	PASS
BLE_1M	Ant1	2480	0~Reference	1.46	1.46	---	PASS
BLE_1M	Ant1	2480	30~1000	1.46	-56.1	≤-18.54	PASS
BLE_1M	Ant1	2480	1000~26500	1.46	-45.1	≤-18.54	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

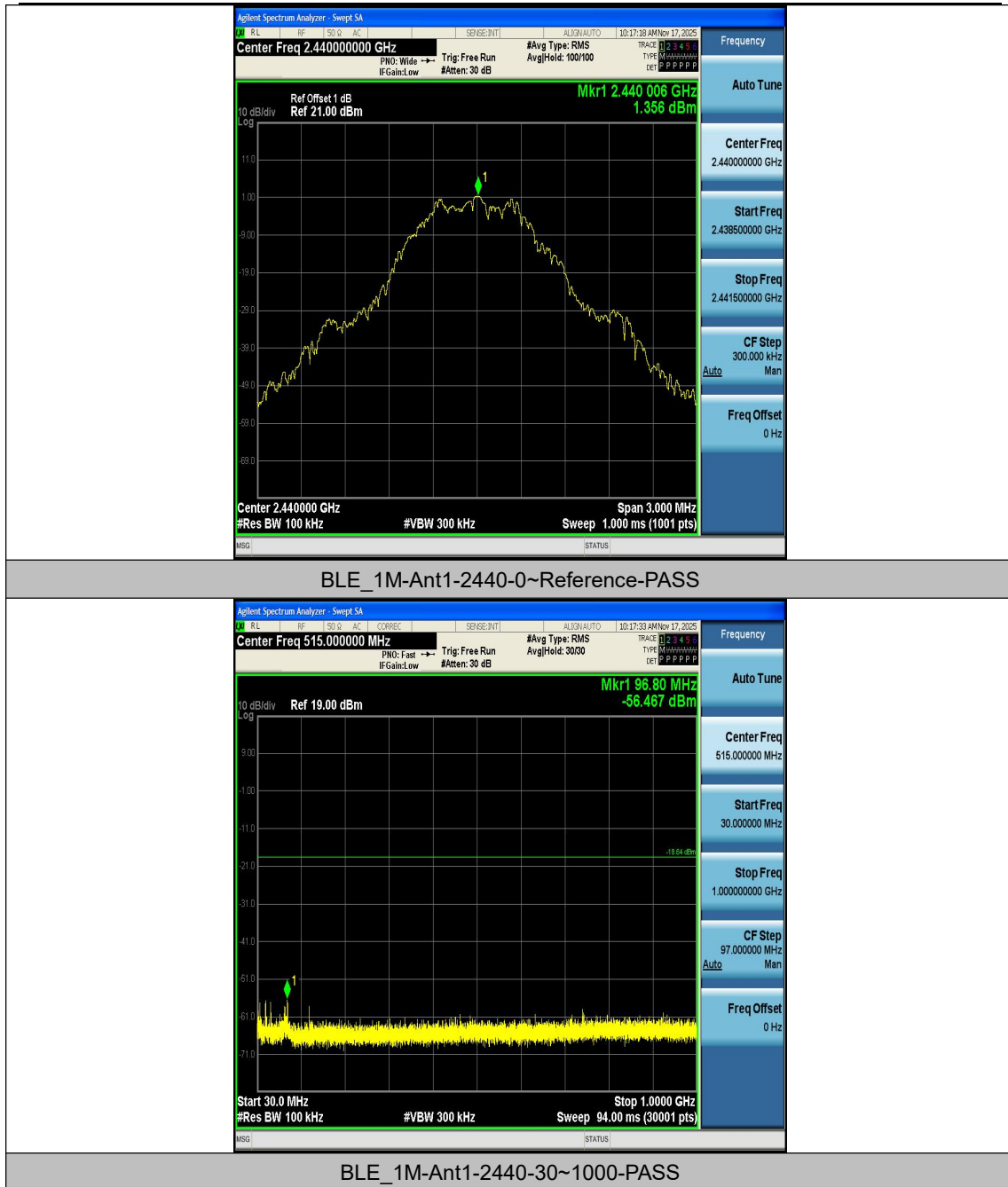




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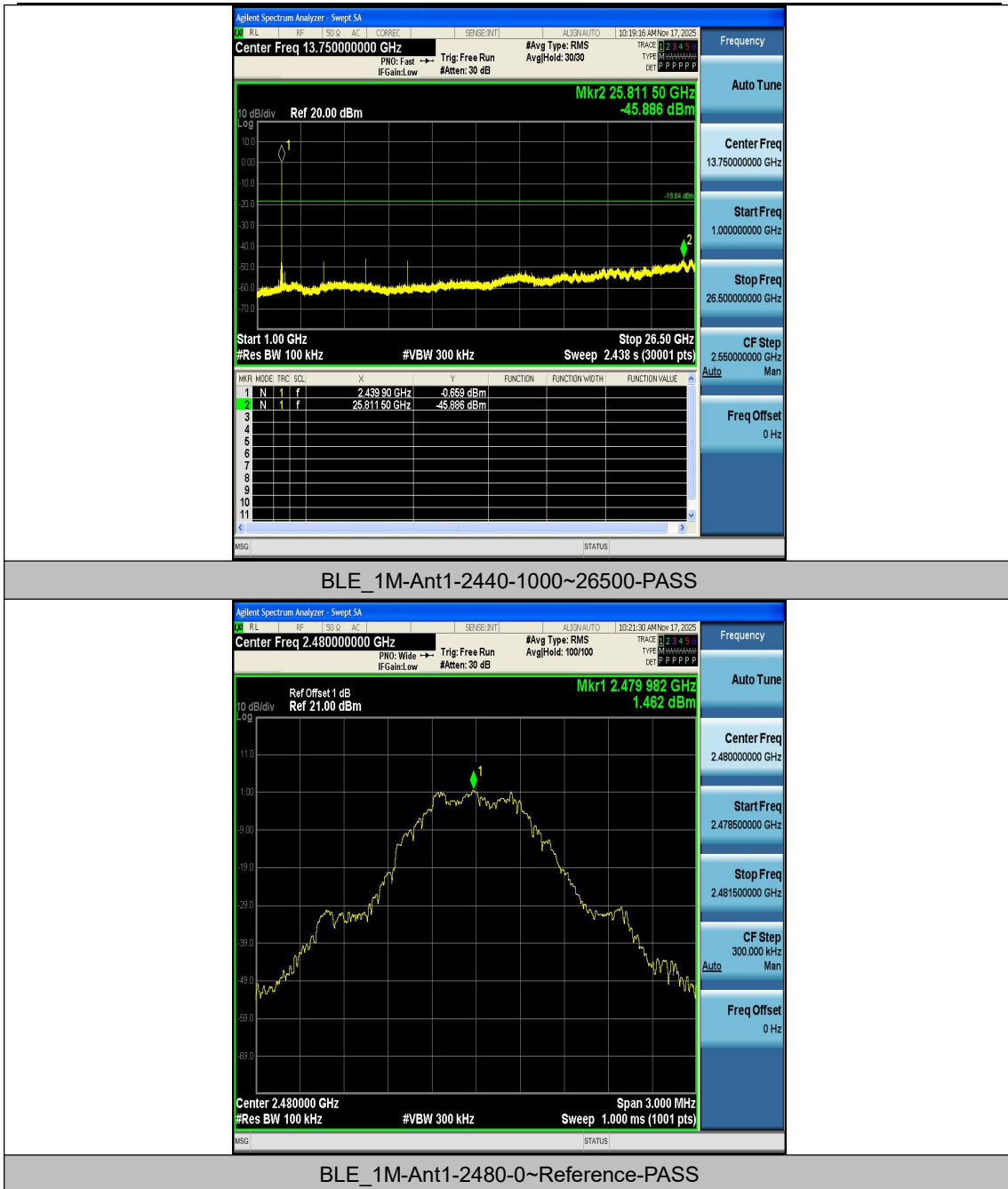
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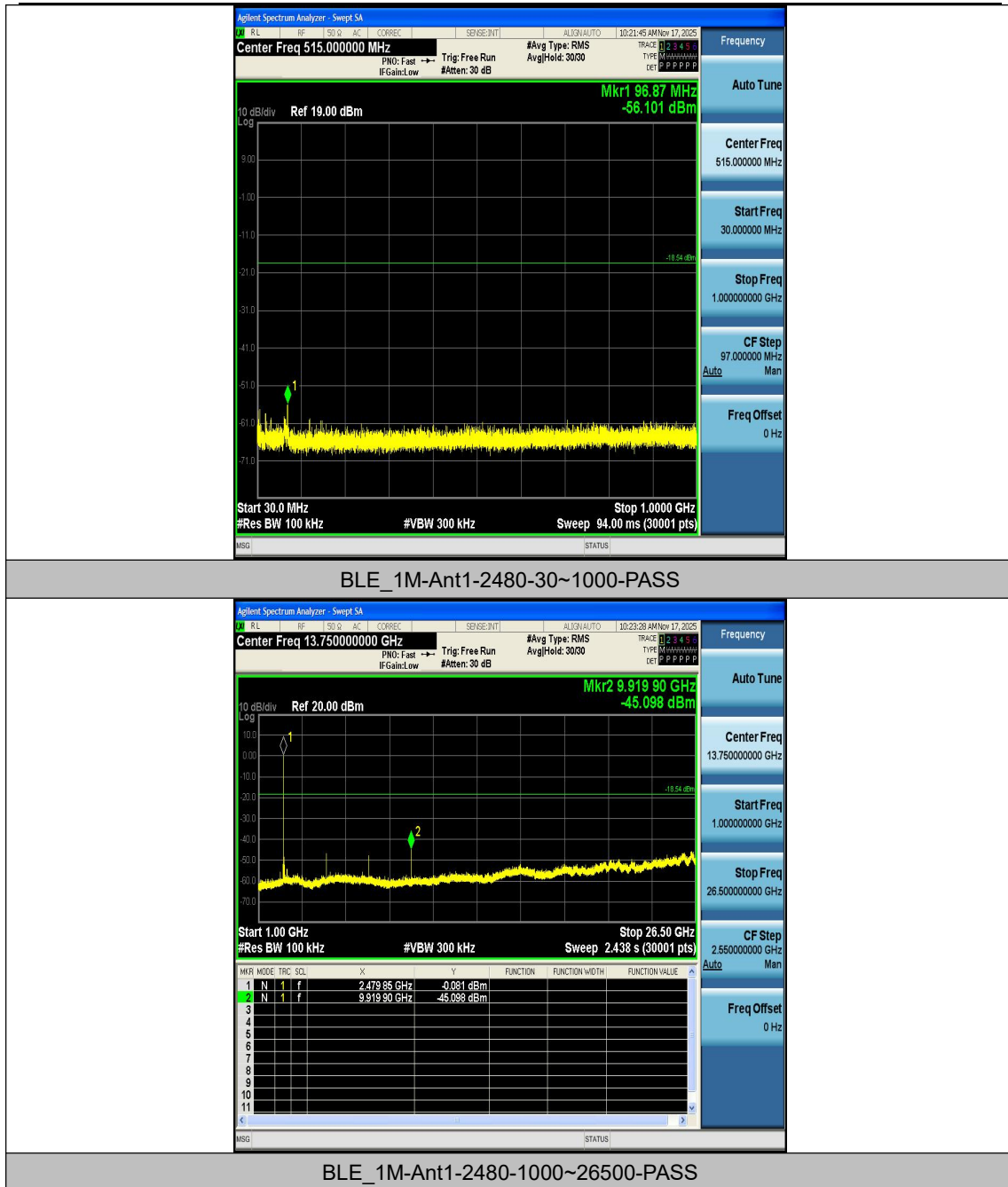
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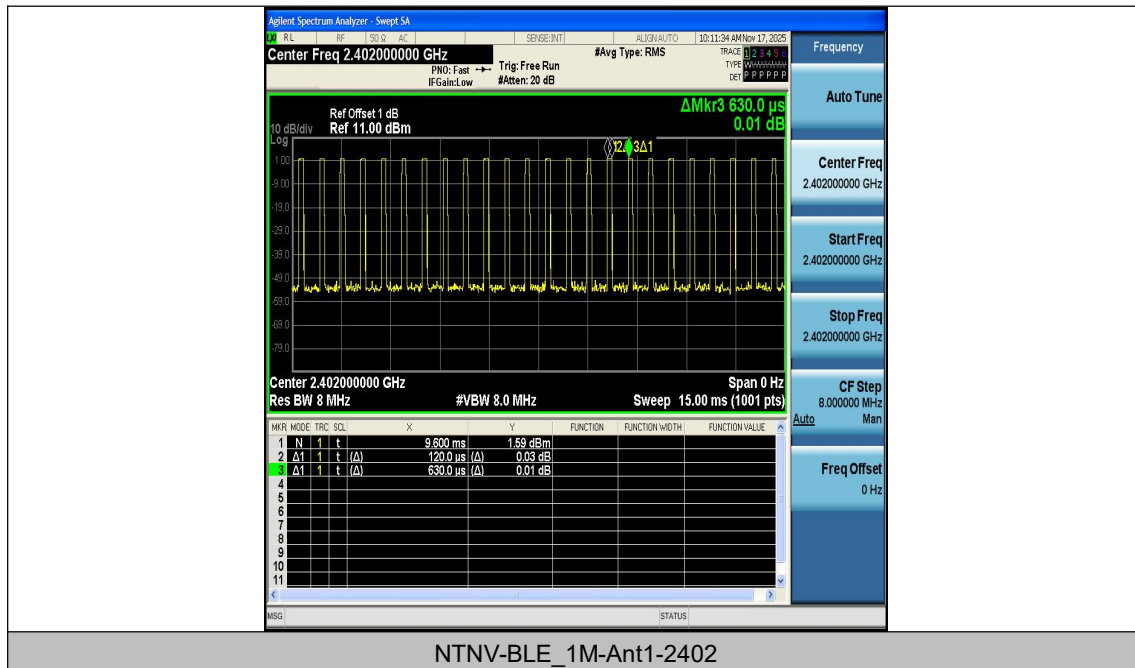
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Appendix G: Duty Cycle

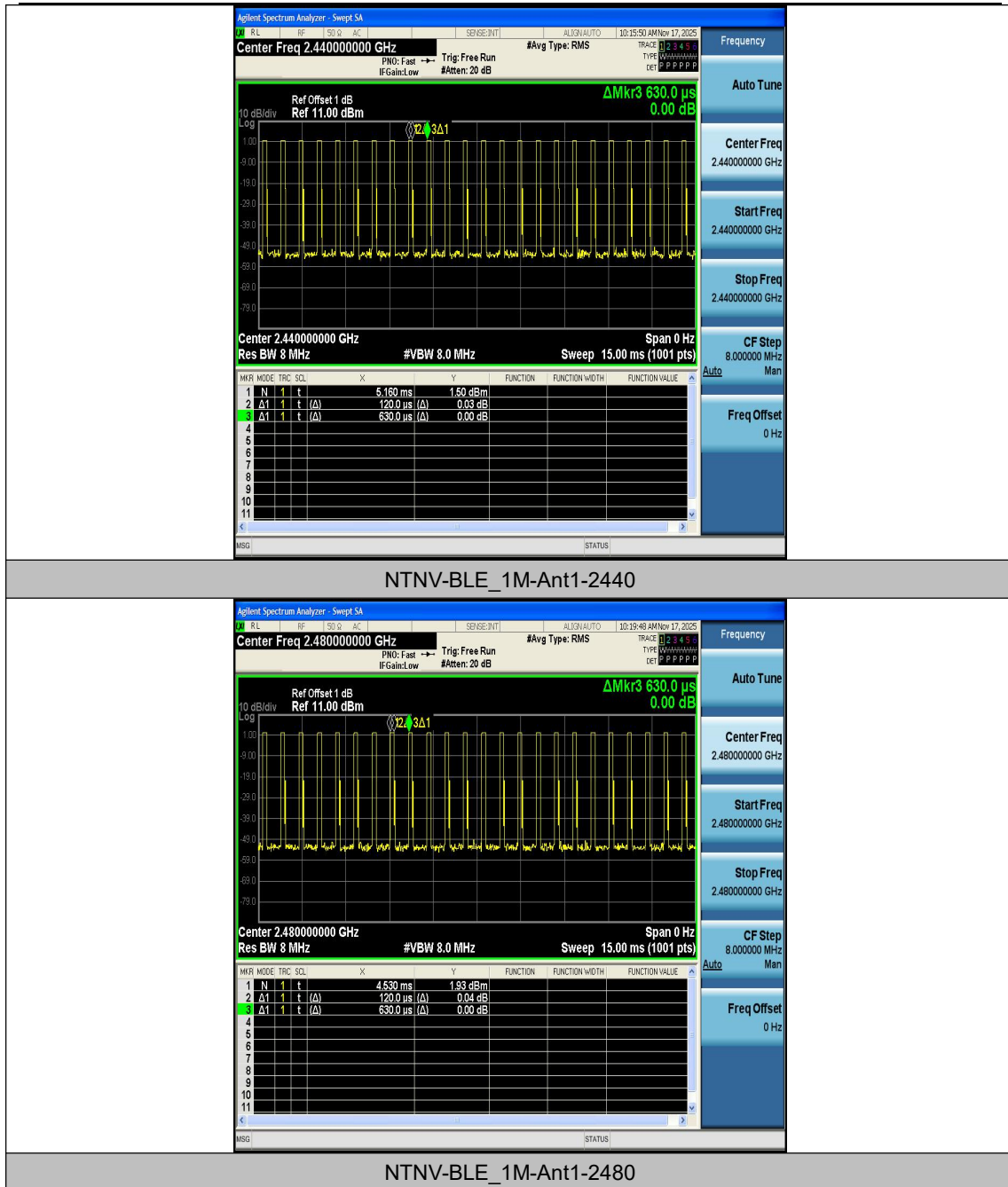
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.12	0.63	19.05	7.20
BLE_1M	Ant1	2440	0.12	0.63	19.05	7.20
BLE_1M	Ant1	2480	0.12	0.63	19.05	7.20

Test Graphs



NTNV-BLE_1M-Ant1-2402



---End---