

Appendix Test Data

Report No.:	1812C50598812501-01	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		

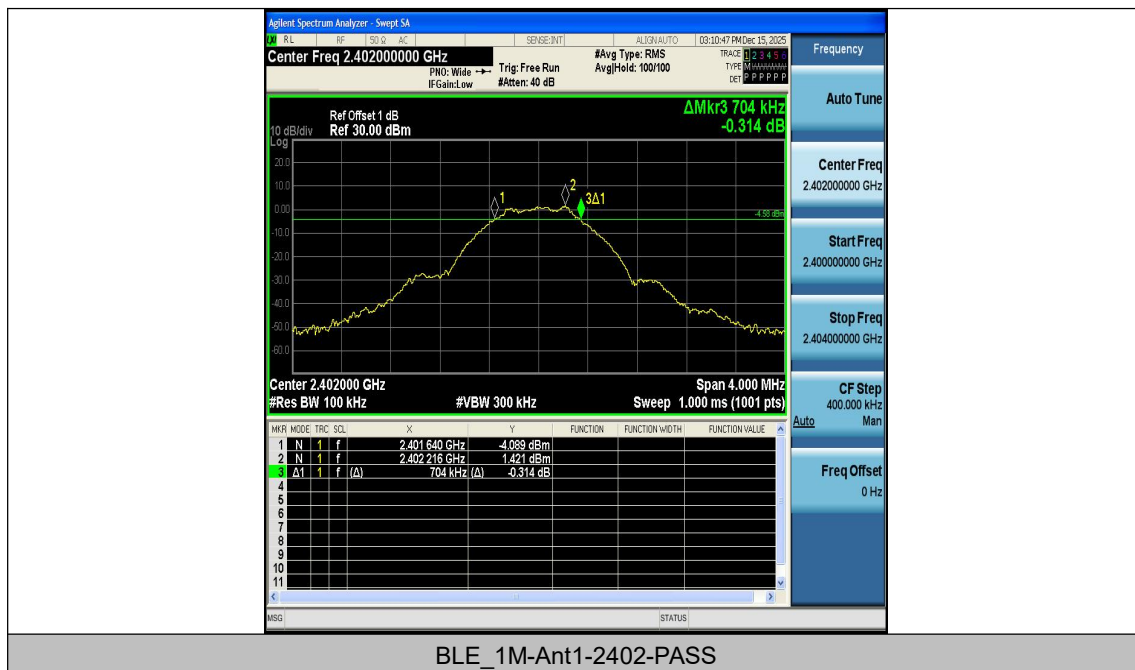


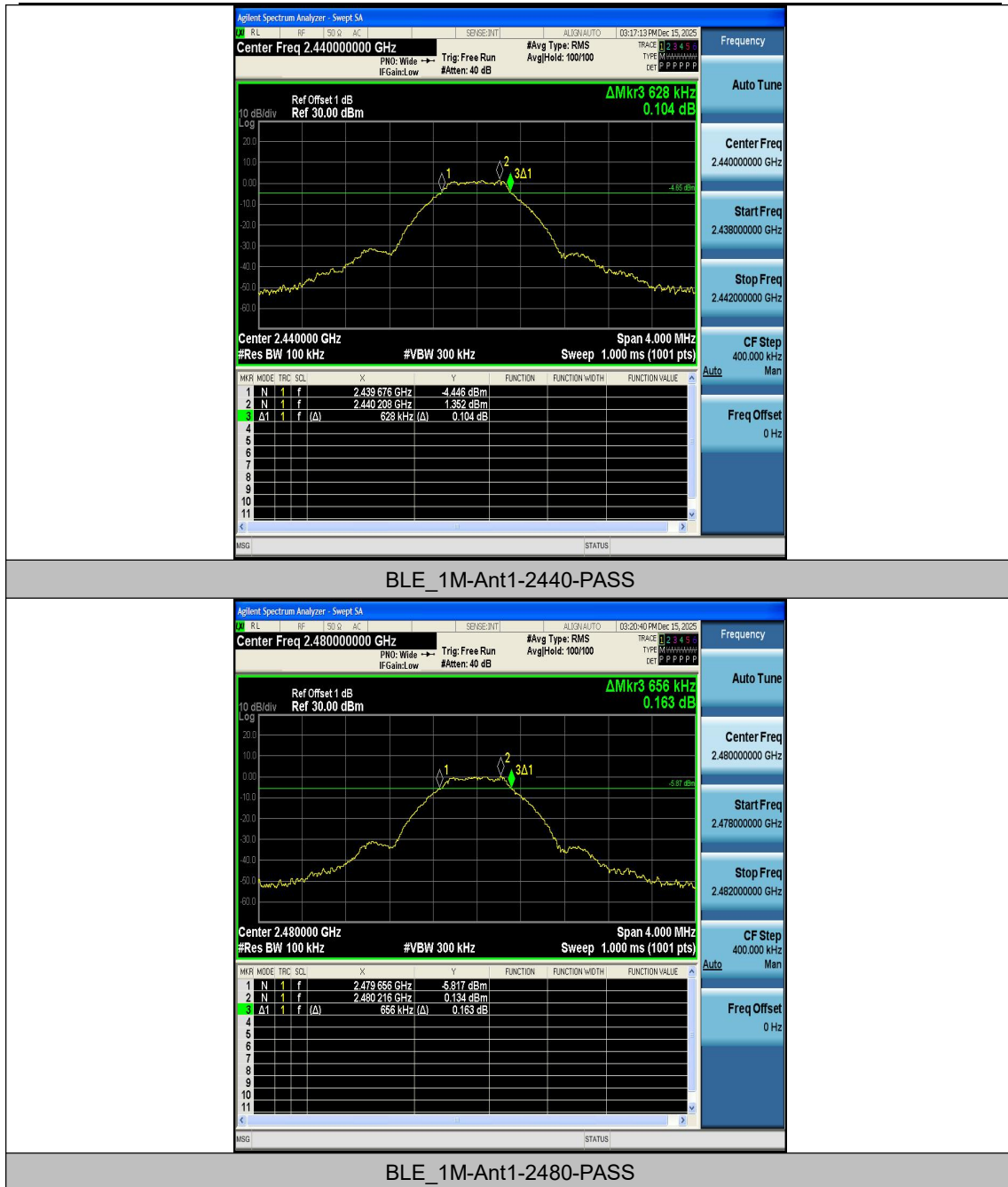
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.640	2402.344	0.5	PASS
BLE_1M	Ant1	2440	0.628	2439.676	2440.304	0.5	PASS
BLE_1M	Ant1	2480	0.656	2479.656	2480.312	0.5	PASS

Test Graphs





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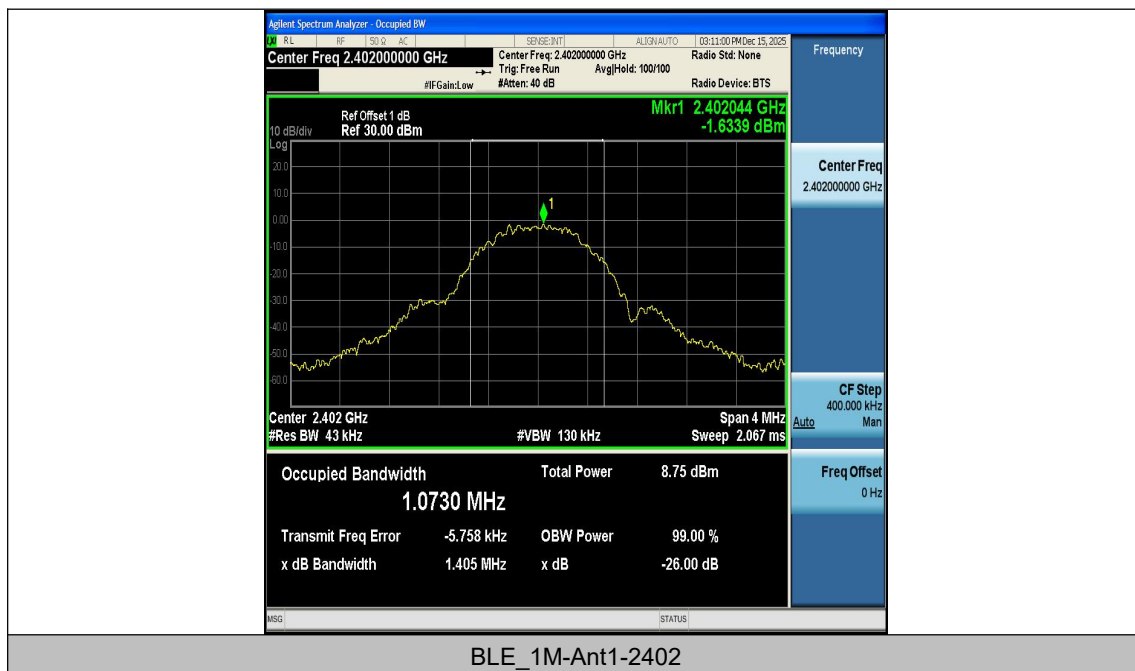
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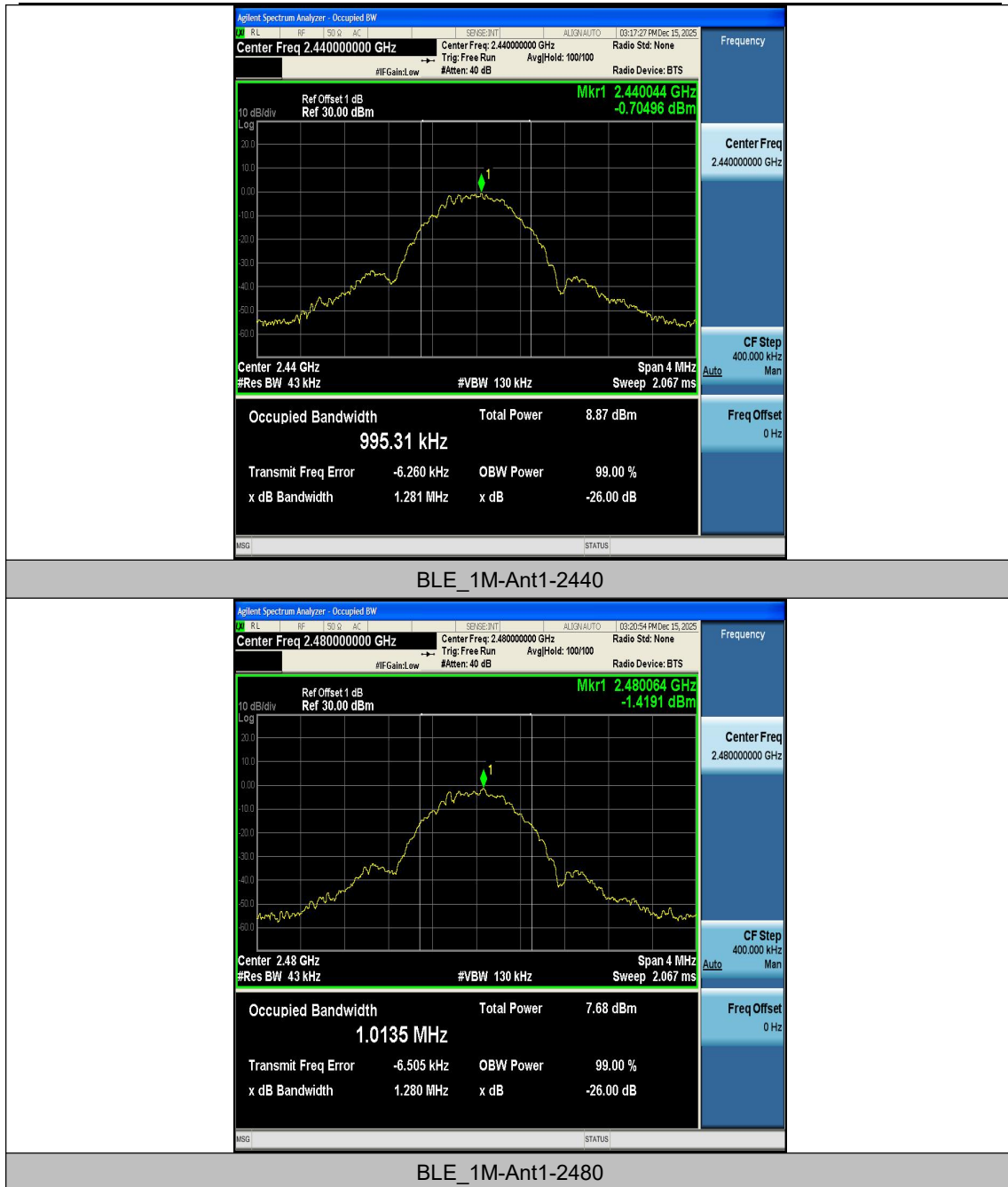
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0730	2401.4577	2402.5307	---	---
BLE_1M	Ant1	2440	0.99531	2439.4961	2440.4914	---	---
BLE_1M	Ant1	2480	1.0135	2479.4867	2480.5002	---	---

Test Graphs





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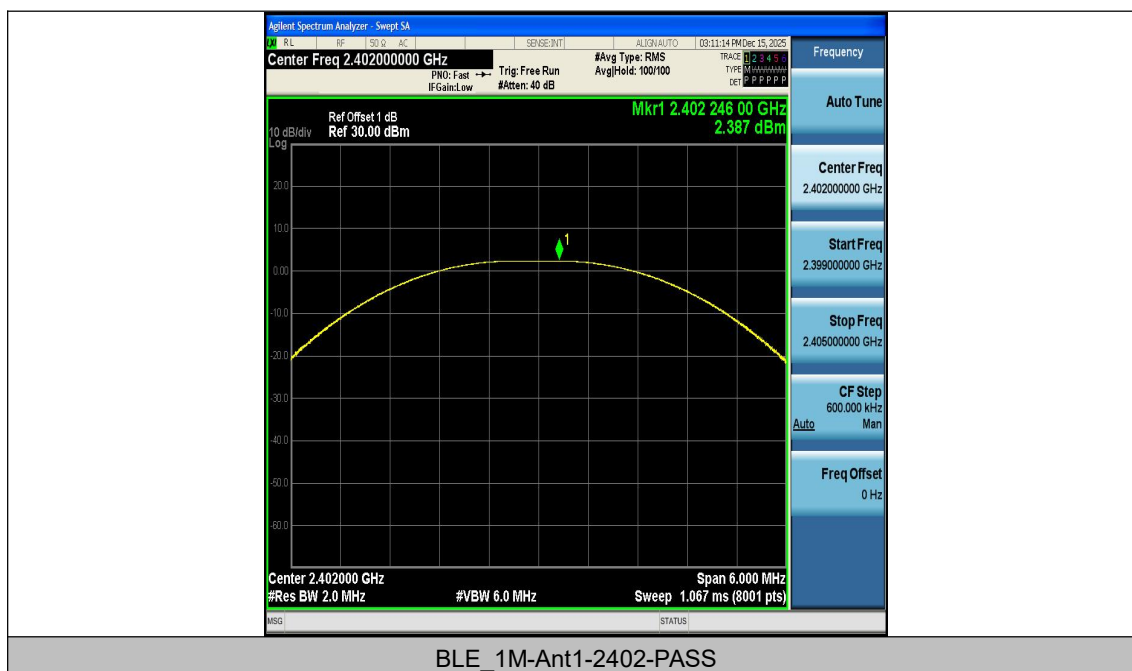
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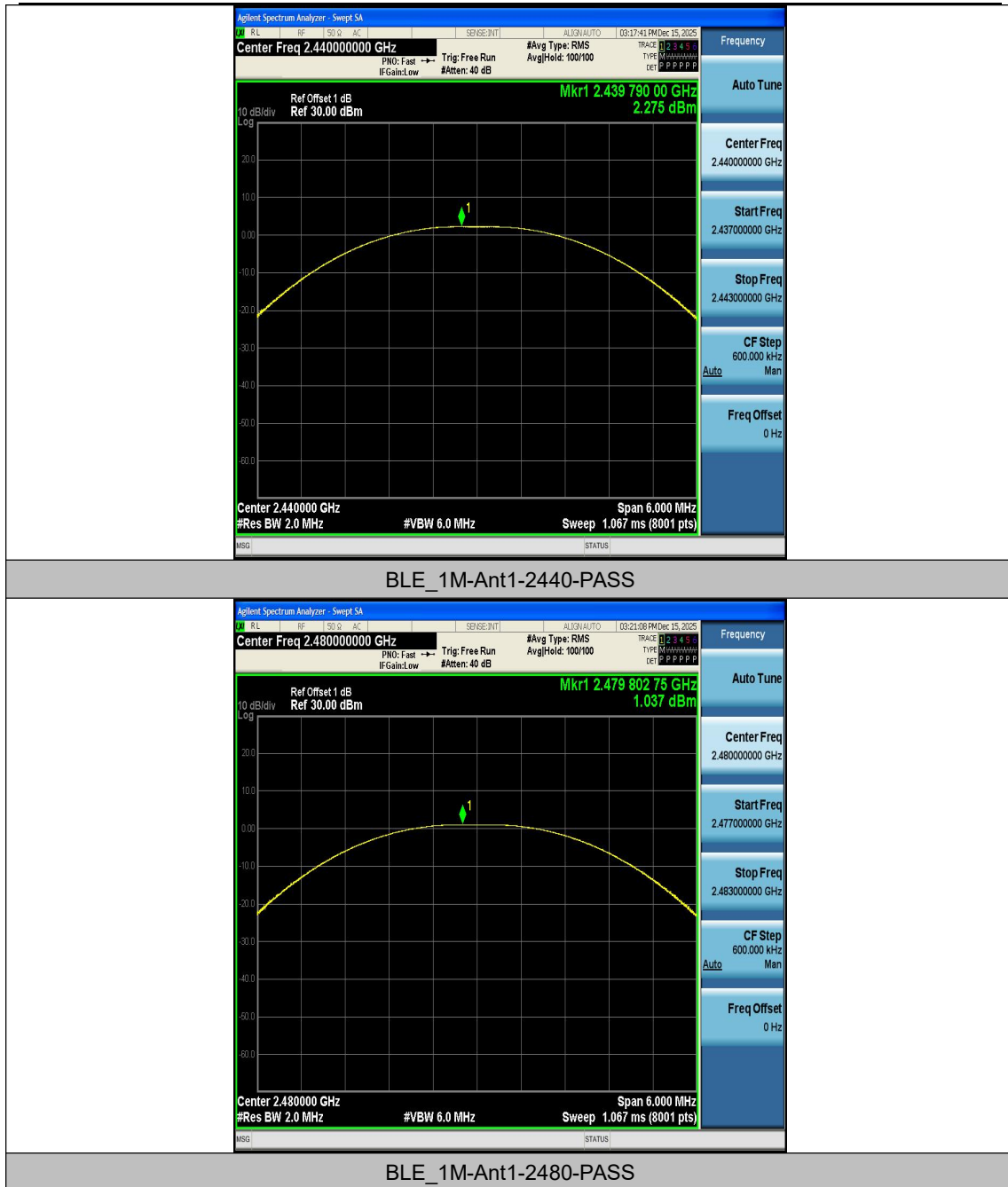
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.39	≤30	PASS
BLE_1M	Ant1	2440	2.28	≤30	PASS
BLE_1M	Ant1	2480	1.04	≤30	PASS

Test Graphs Peak





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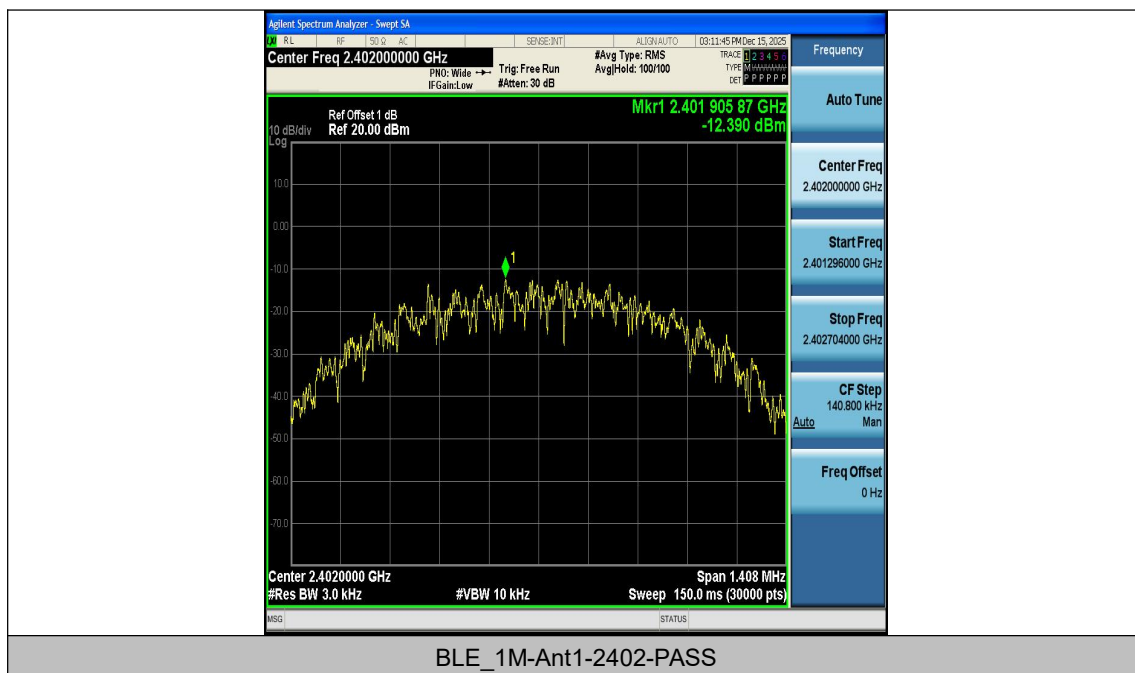
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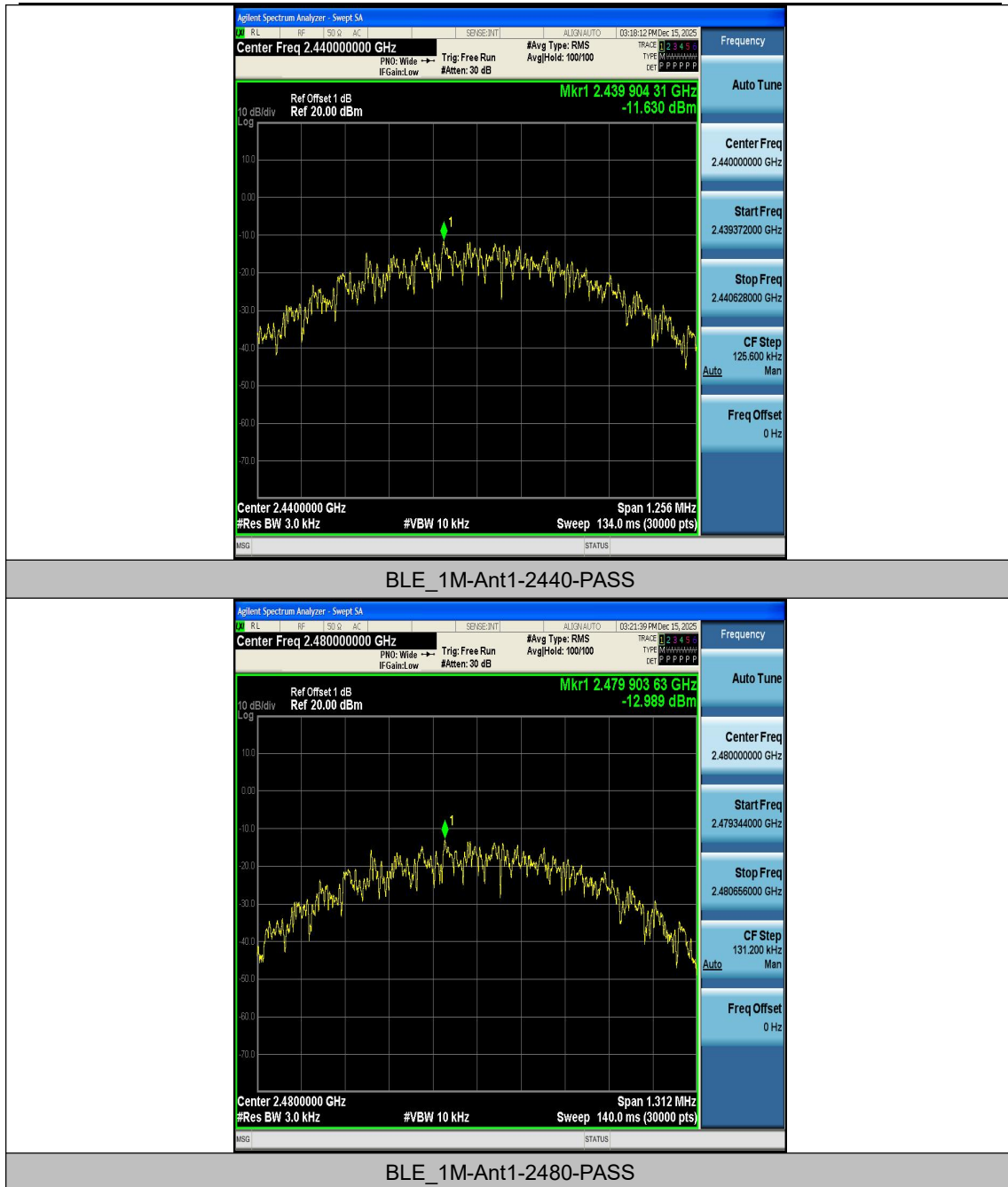
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.39	≤8.00	PASS
BLE_1M	Ant1	2440	-11.63	≤8.00	PASS
BLE_1M	Ant1	2480	-12.99	≤8.00	PASS

Test Graphs





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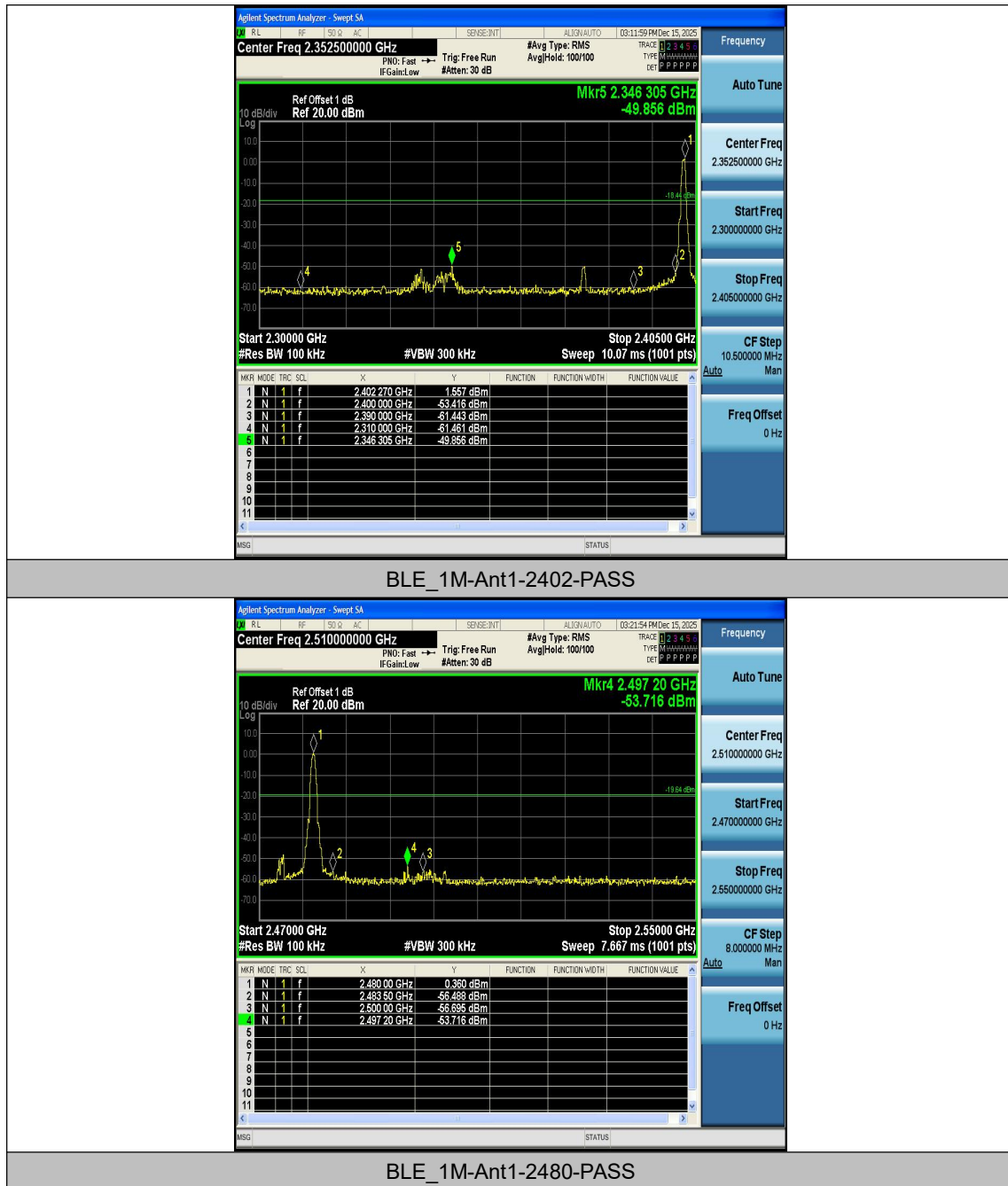
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.56	-49.86	≤-18.44	PASS
BLE_1M	Ant1	High	2480	0.36	-53.72	≤-19.64	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

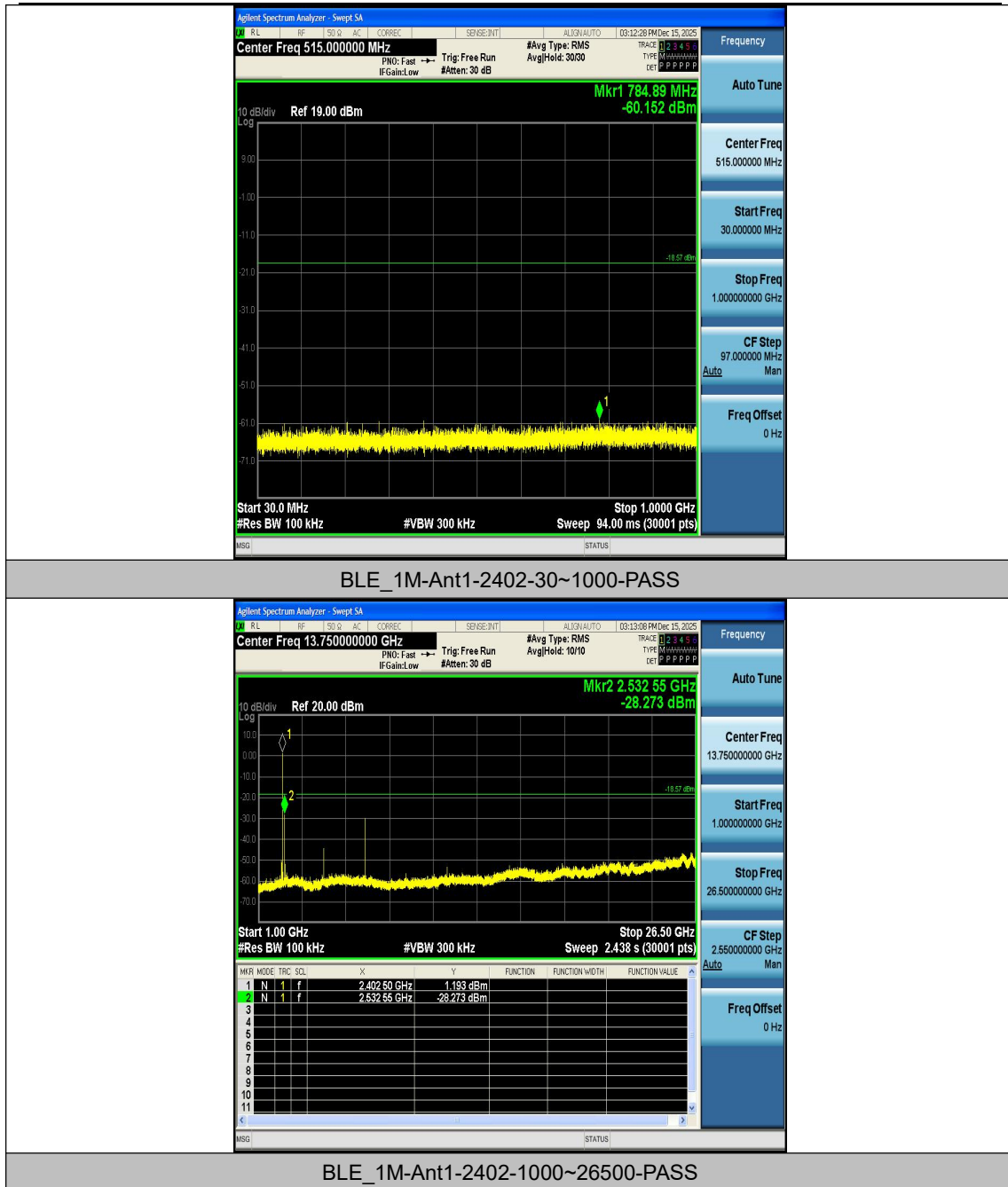
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.43	1.43	---	PASS
BLE_1M	Ant1	2402	30~1000	1.43	-60.15	≤-18.57	PASS
BLE_1M	Ant1	2402	1000~26500	1.43	-28.27	≤-18.57	PASS
BLE_1M	Ant1	2440	0~Reference	1.36	1.36	---	PASS
BLE_1M	Ant1	2440	30~1000	1.36	-60.14	≤-18.64	PASS
BLE_1M	Ant1	2440	1000~26500	1.36	-28.68	≤-18.64	PASS
BLE_1M	Ant1	2480	0~Reference	0.15	0.15	---	PASS
BLE_1M	Ant1	2480	30~1000	0.15	-59.97	≤-19.85	PASS
BLE_1M	Ant1	2480	1000~26500	0.15	-32.64	≤-19.85	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

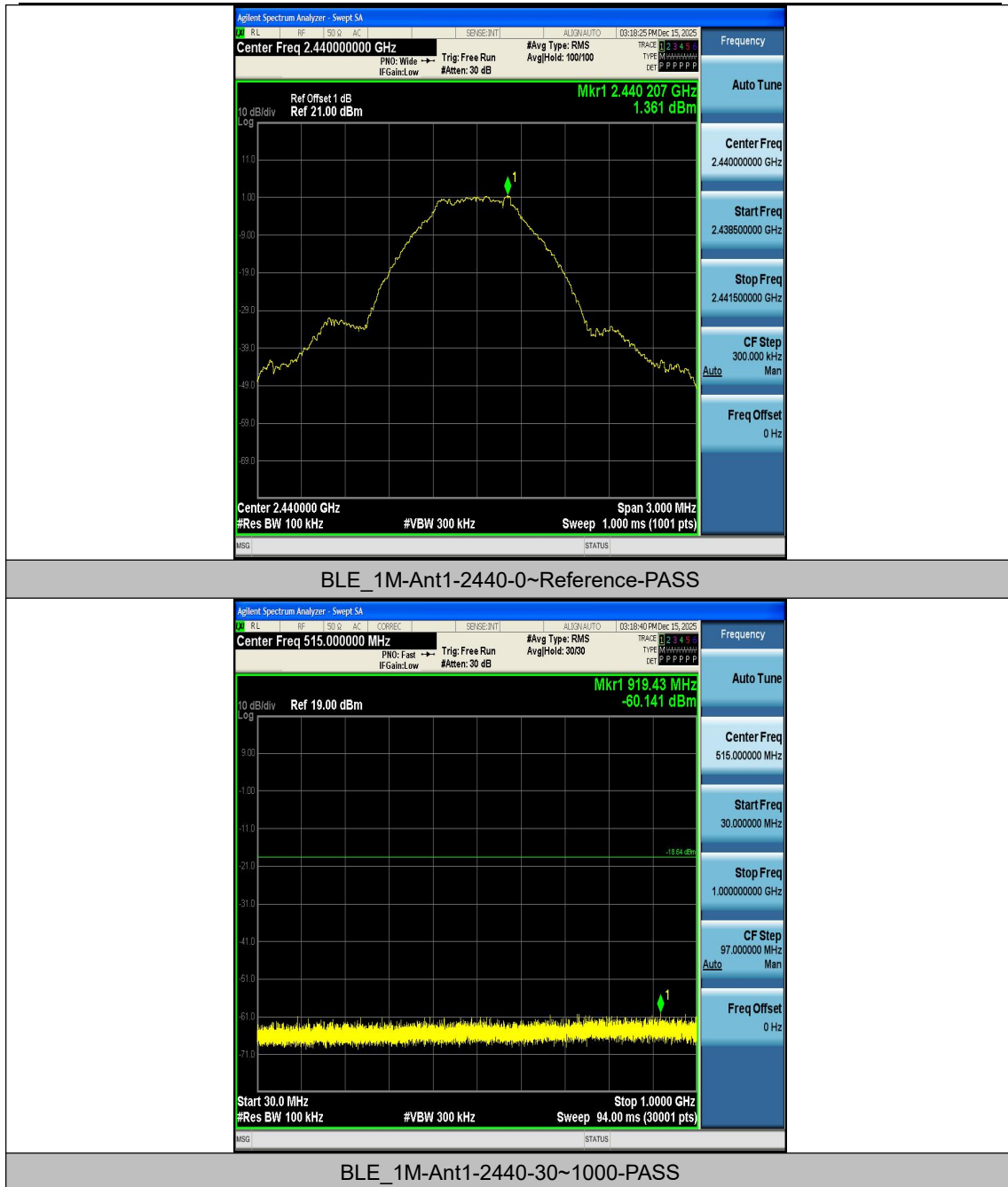




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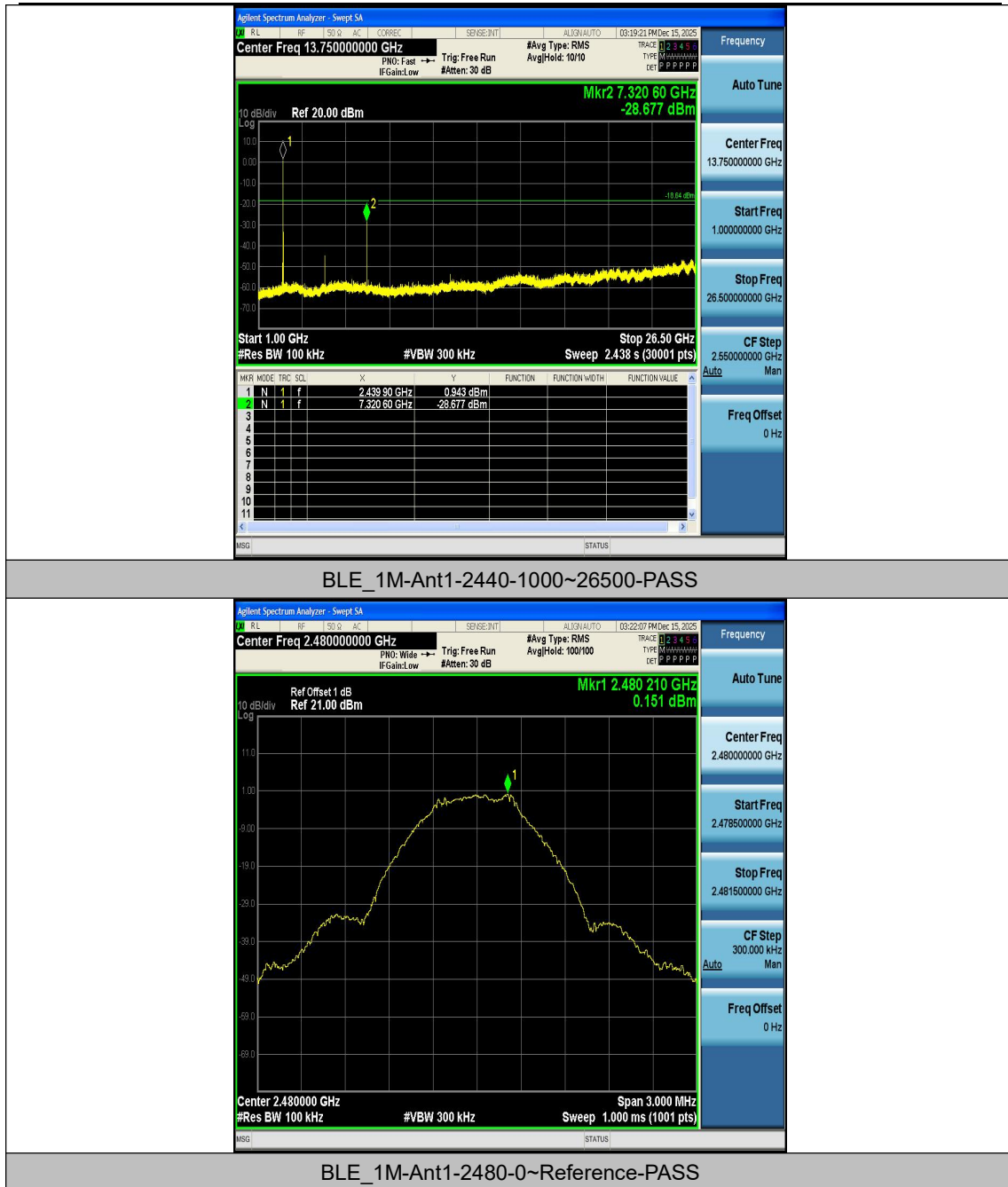
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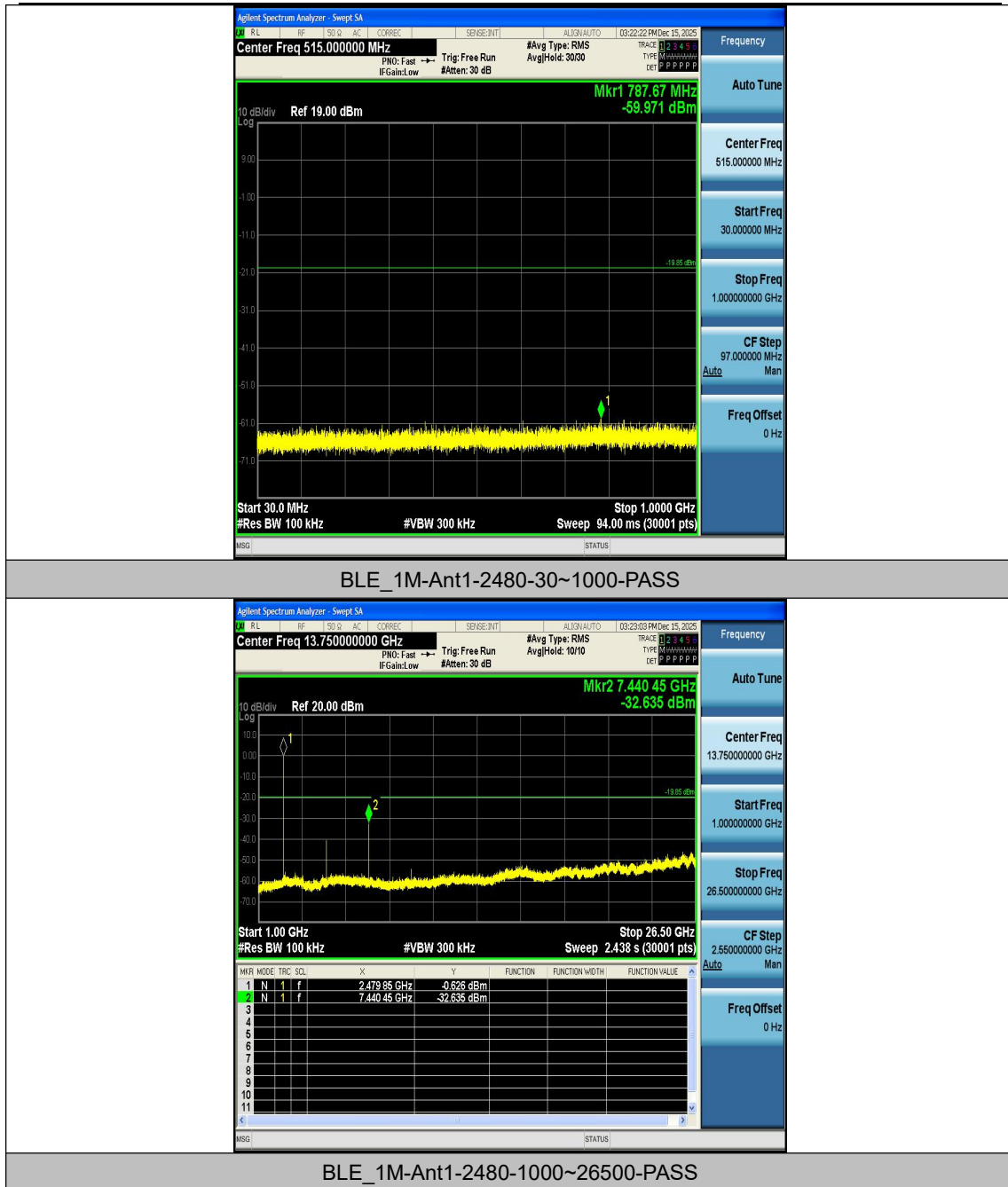
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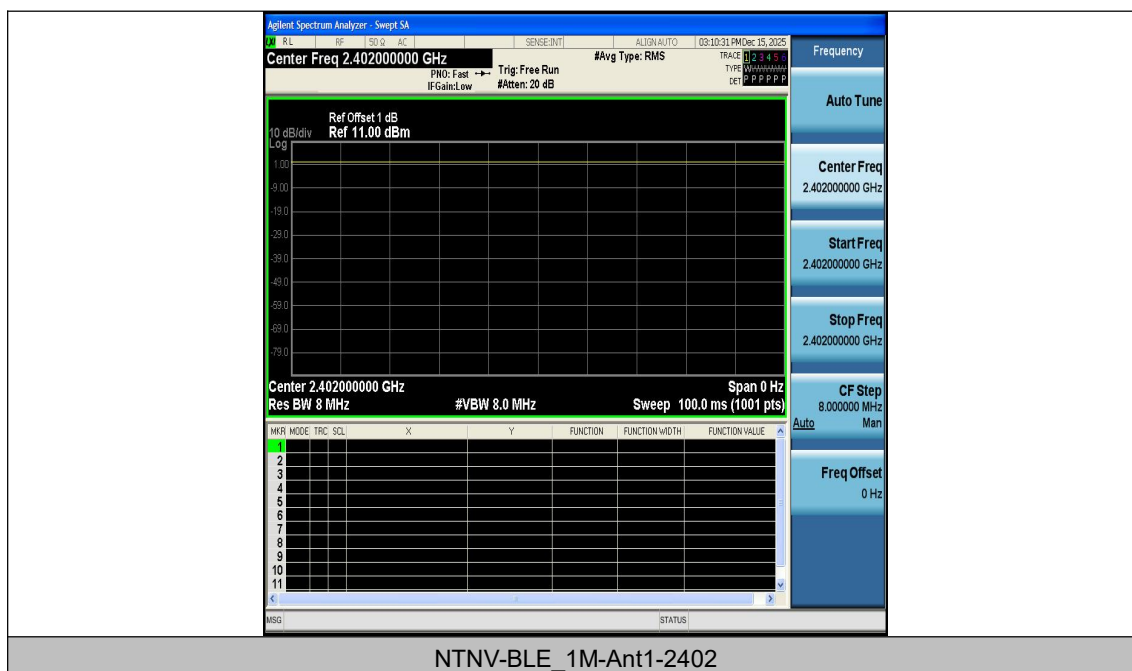
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Appendix G: Duty Cycle

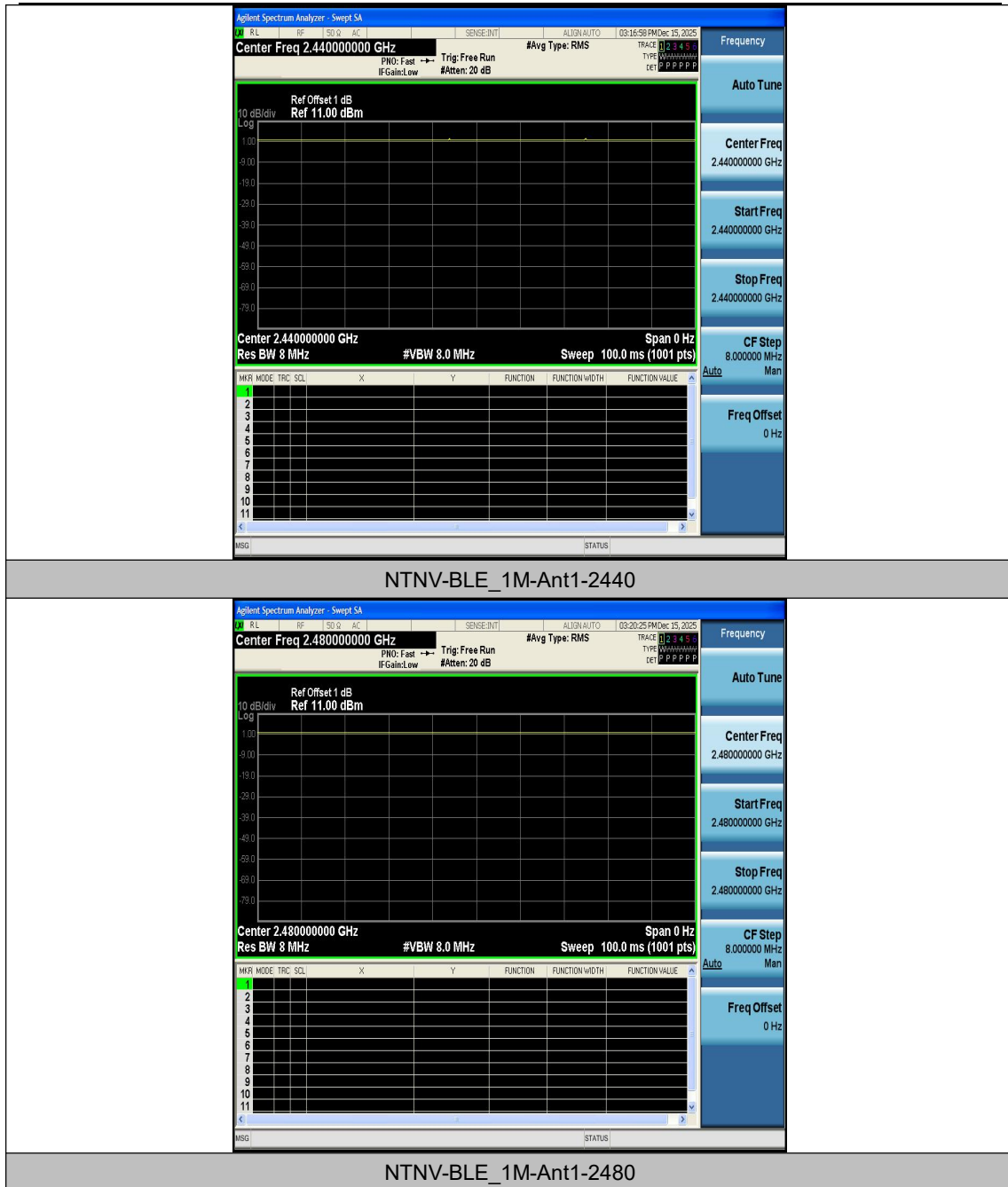
Test Result

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

Test Graphs



NTNV-BLE_1M-Ant1-2402



---End---