

Appendix Test Data

Report No.:	1812C50511112501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-15	Finish Test Date:	2025-10-16
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.6°C	Relative Humidity:	45%
Pressure:	101kPa		



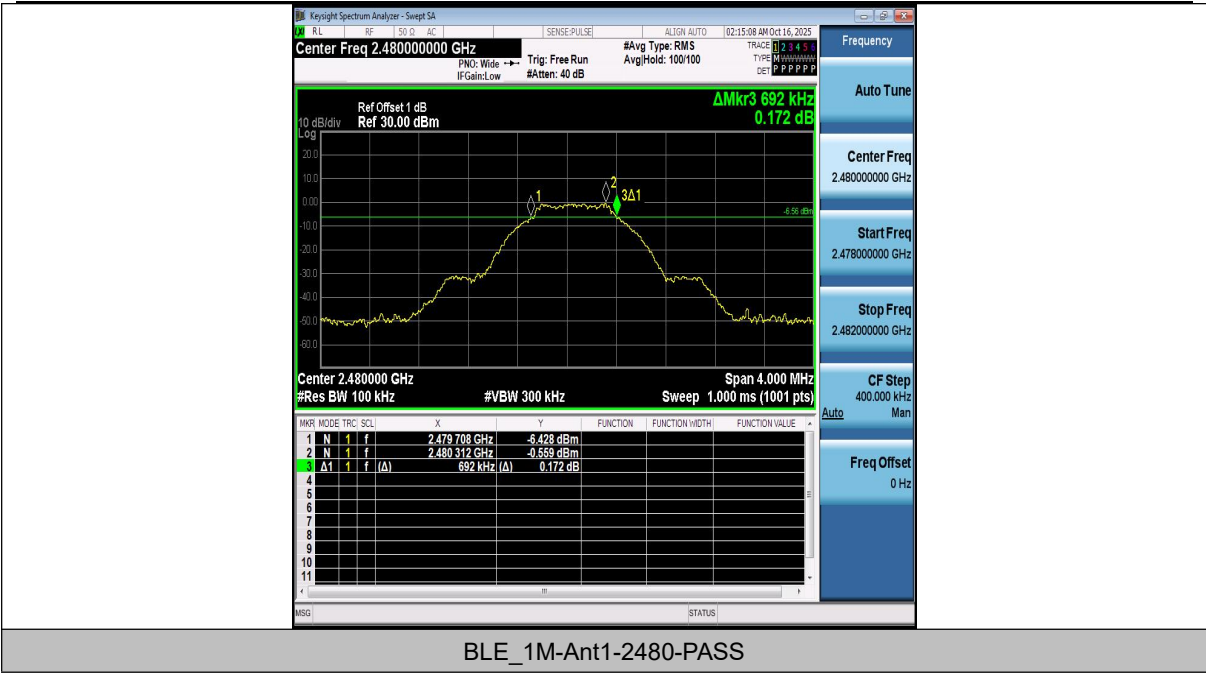
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.712	2402.388	0.5	PASS
BLE_1M	Ant1	2440	0.660	2439.728	2440.388	0.5	PASS
BLE_1M	Ant1	2480	0.692	2479.708	2480.400	0.5	PASS

Test Graphs





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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	1.0305	2401.5396	2402.5701	---	---
BLE_1M	Ant1	2440	1.0369	2439.5414	2440.5783	---	---
BLE_1M	Ant1	2480	1.0271	2479.5458	2480.5729	---	---

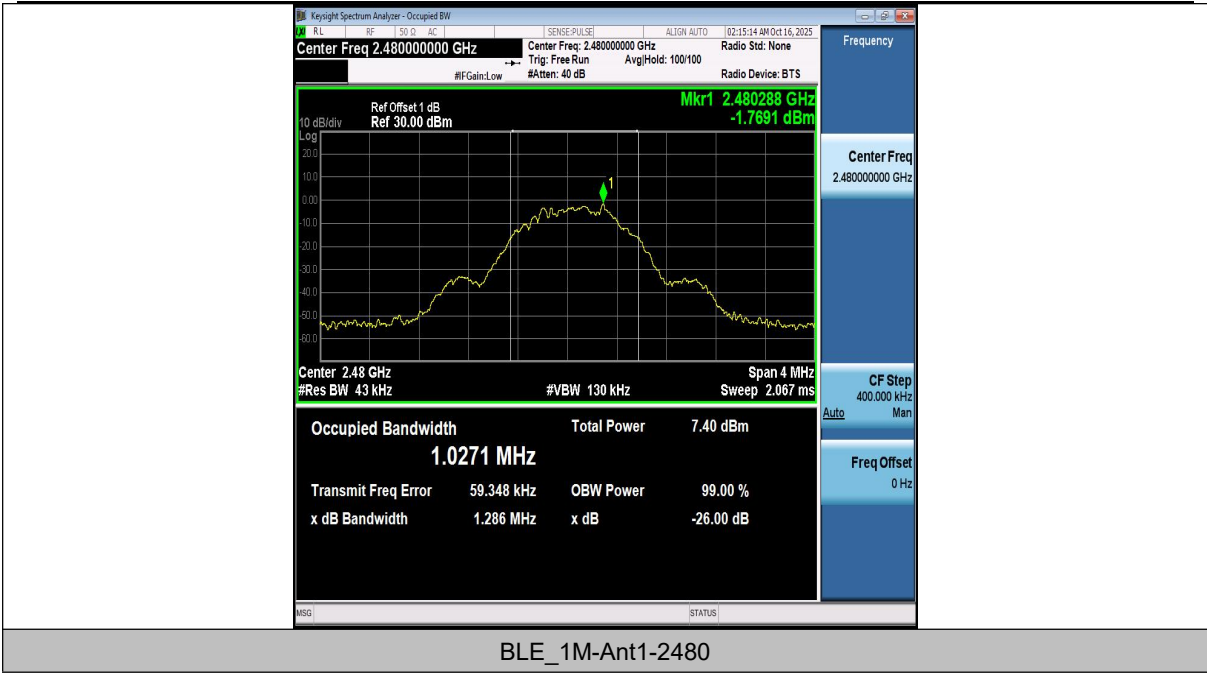
Test Graphs



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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	1.40	≤30	PASS
BLE_1M	Ant1	2440	1.11	≤30	PASS
BLE_1M	Ant1	2480	0.52	≤30	PASS

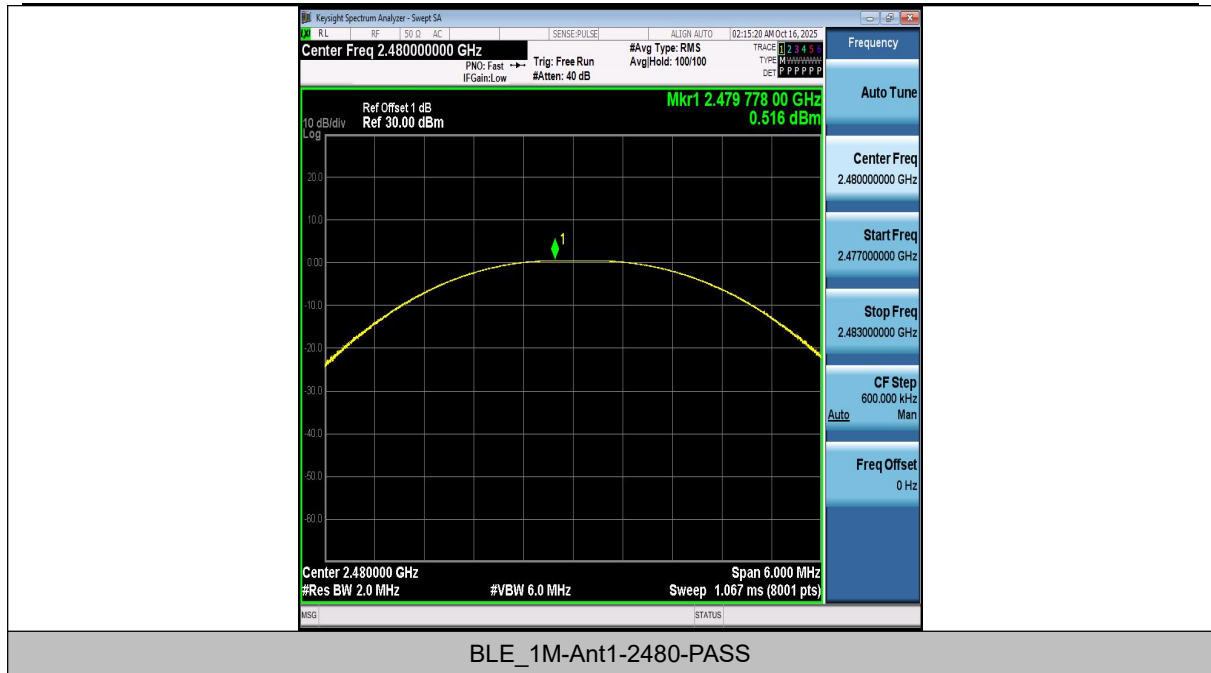
Test Graphs Peak



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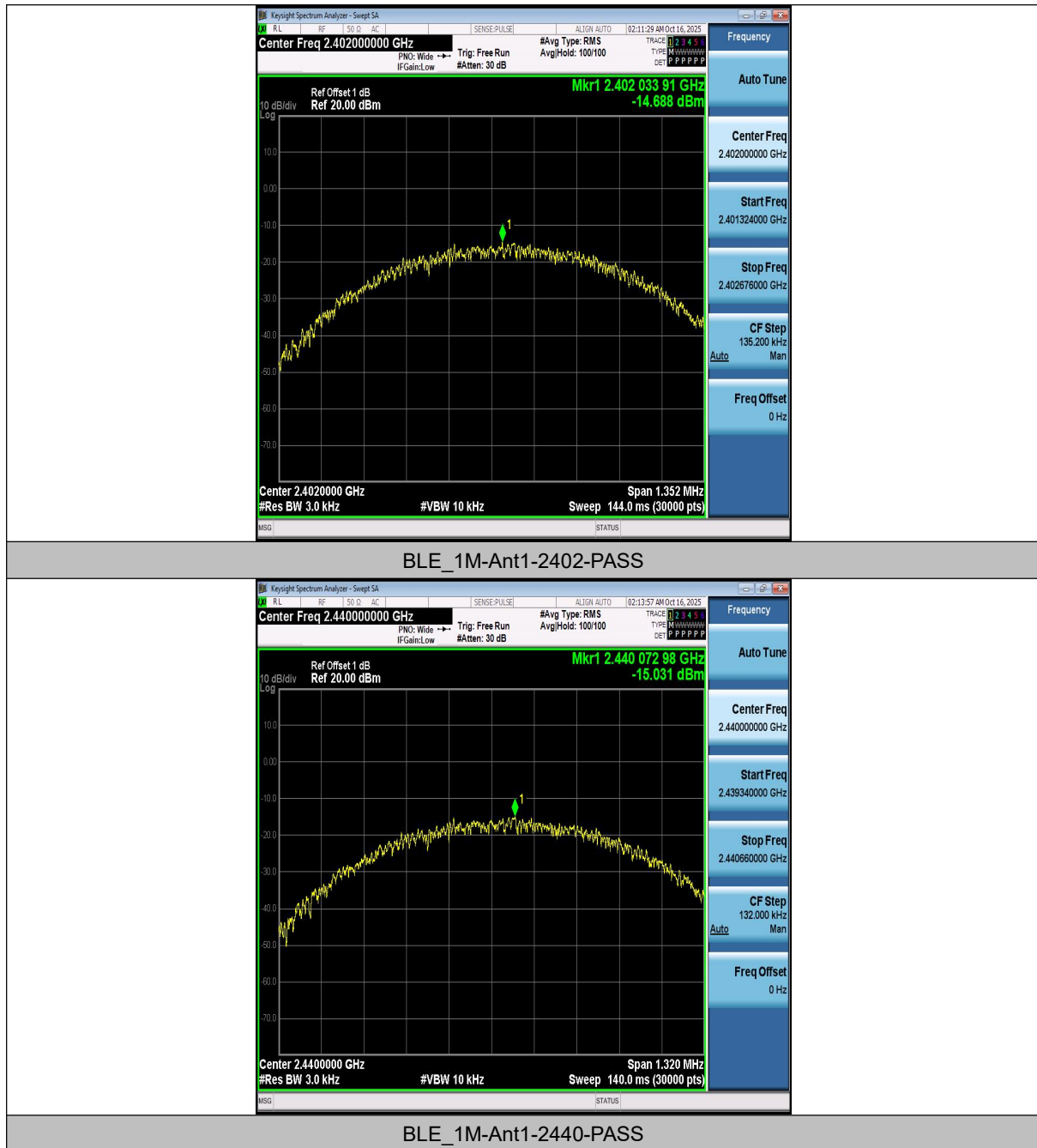
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.69	≤8.00	PASS
BLE_1M	Ant1	2440	-15.03	≤8.00	PASS
BLE_1M	Ant1	2480	-15.58	≤8.00	PASS

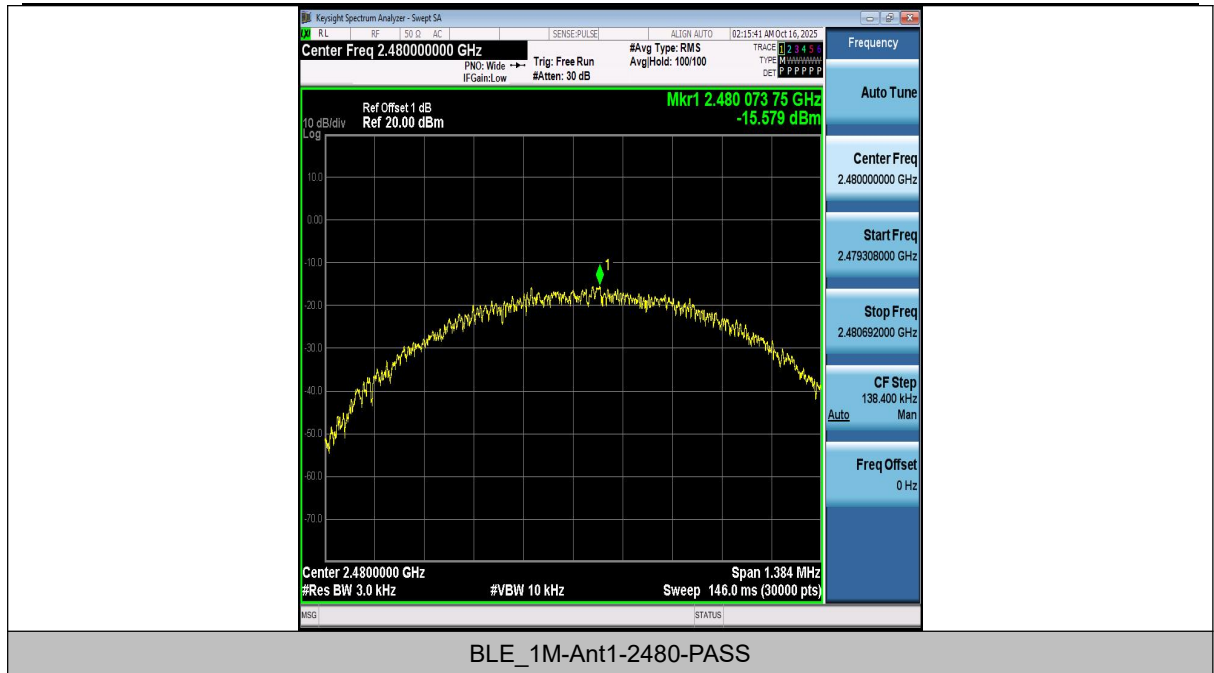
Test Graphs



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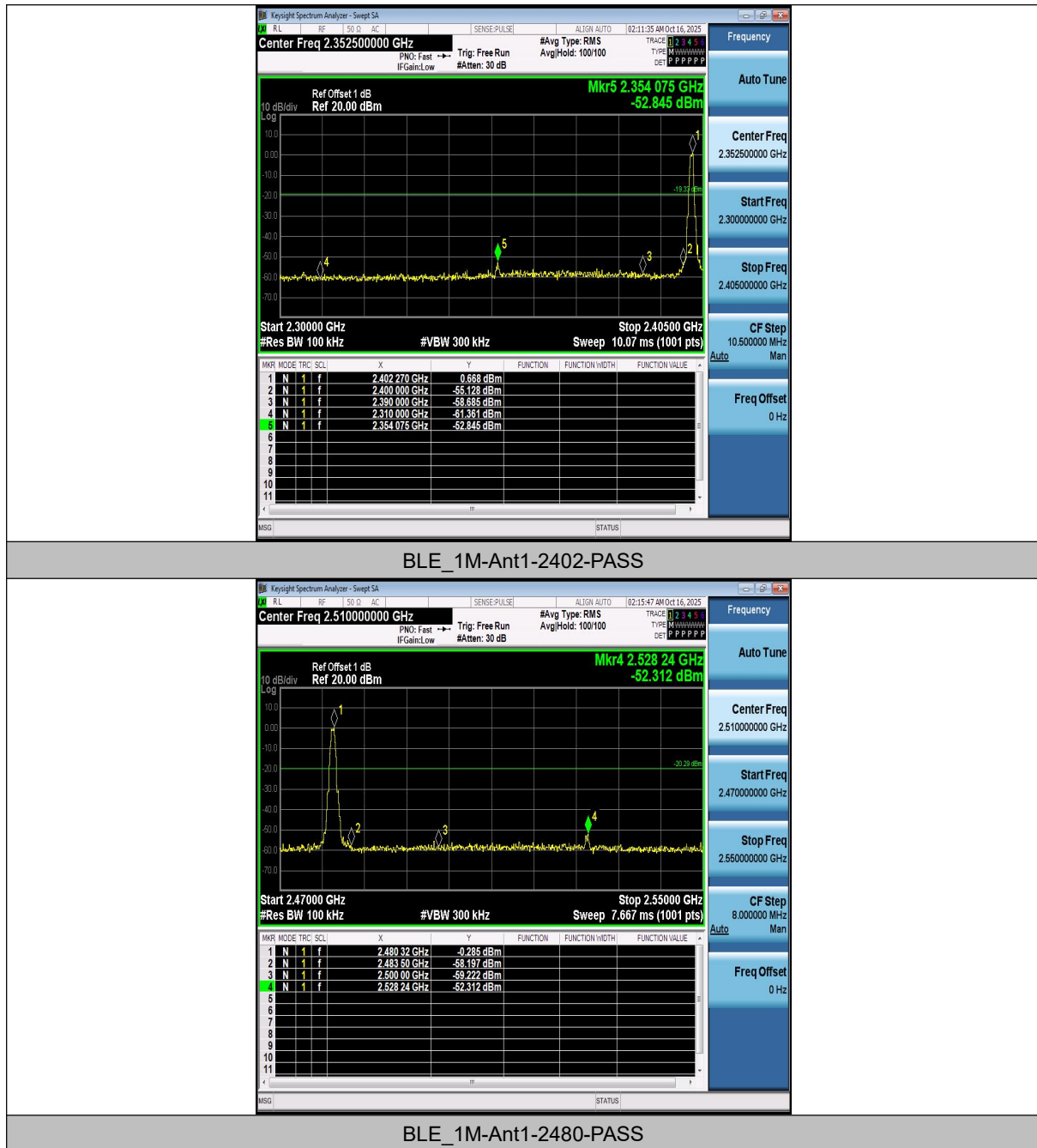
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.67	-52.85	≤-19.33	PASS
BLE_1M	Ant1	High	2480	-0.29	-52.31	≤-20.29	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



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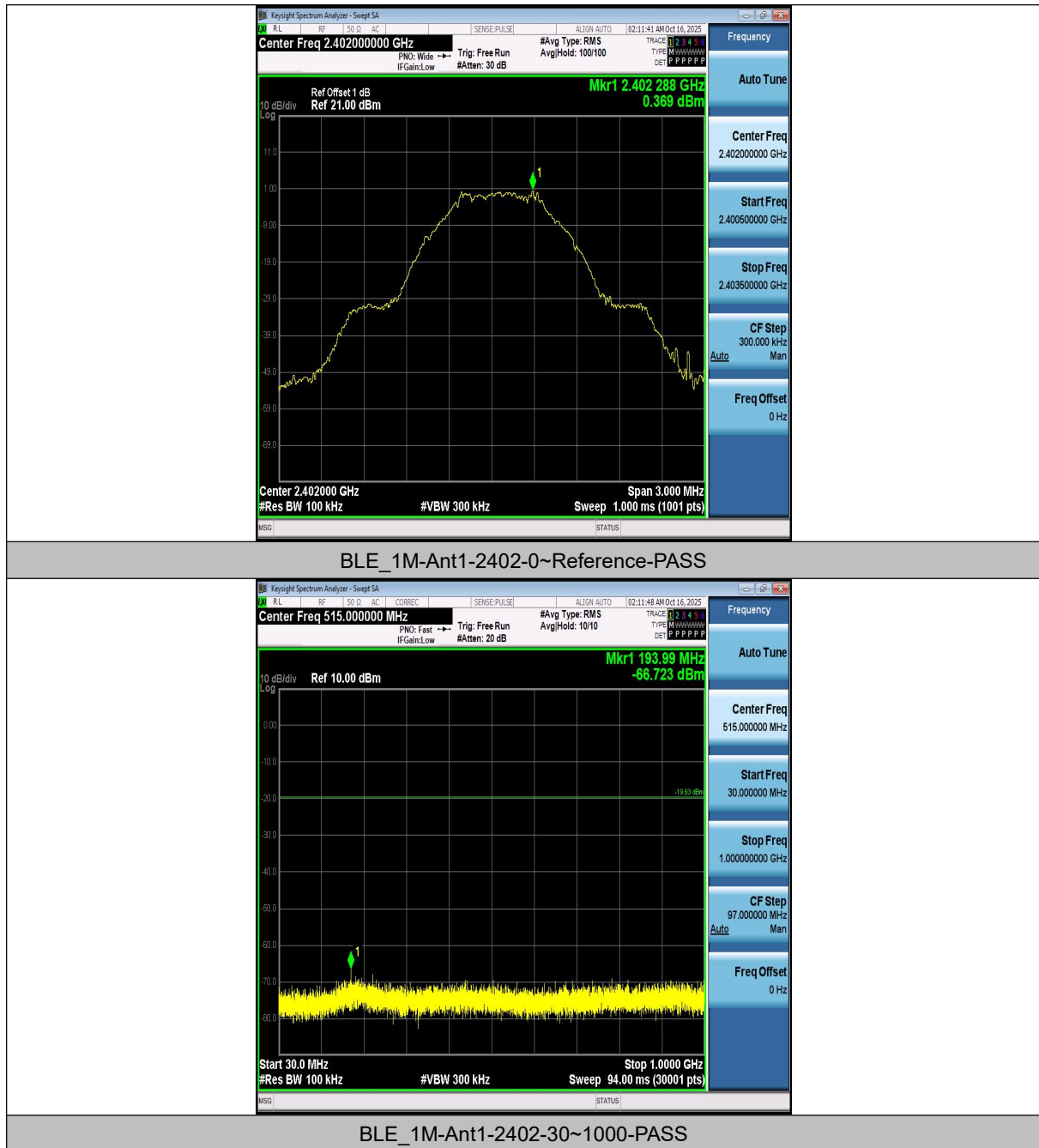
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.37	0.37	---	PASS
BLE_1M	Ant1	2402	30~1000	0.37	-66.72	≤-19.63	PASS
BLE_1M	Ant1	2402	1000~26500	0.37	-43.8	≤-19.63	PASS
BLE_1M	Ant1	2440	0~Reference	0.01	0.01	---	PASS
BLE_1M	Ant1	2440	30~1000	0.01	-68.74	≤-19.99	PASS
BLE_1M	Ant1	2440	1000~26500	0.01	-43.91	≤-19.99	PASS
BLE_1M	Ant1	2480	0~Reference	0.13	0.13	---	PASS
BLE_1M	Ant1	2480	30~1000	0.13	-68.18	≤-19.87	PASS
BLE_1M	Ant1	2480	1000~26500	0.13	-44.24	≤-19.87	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



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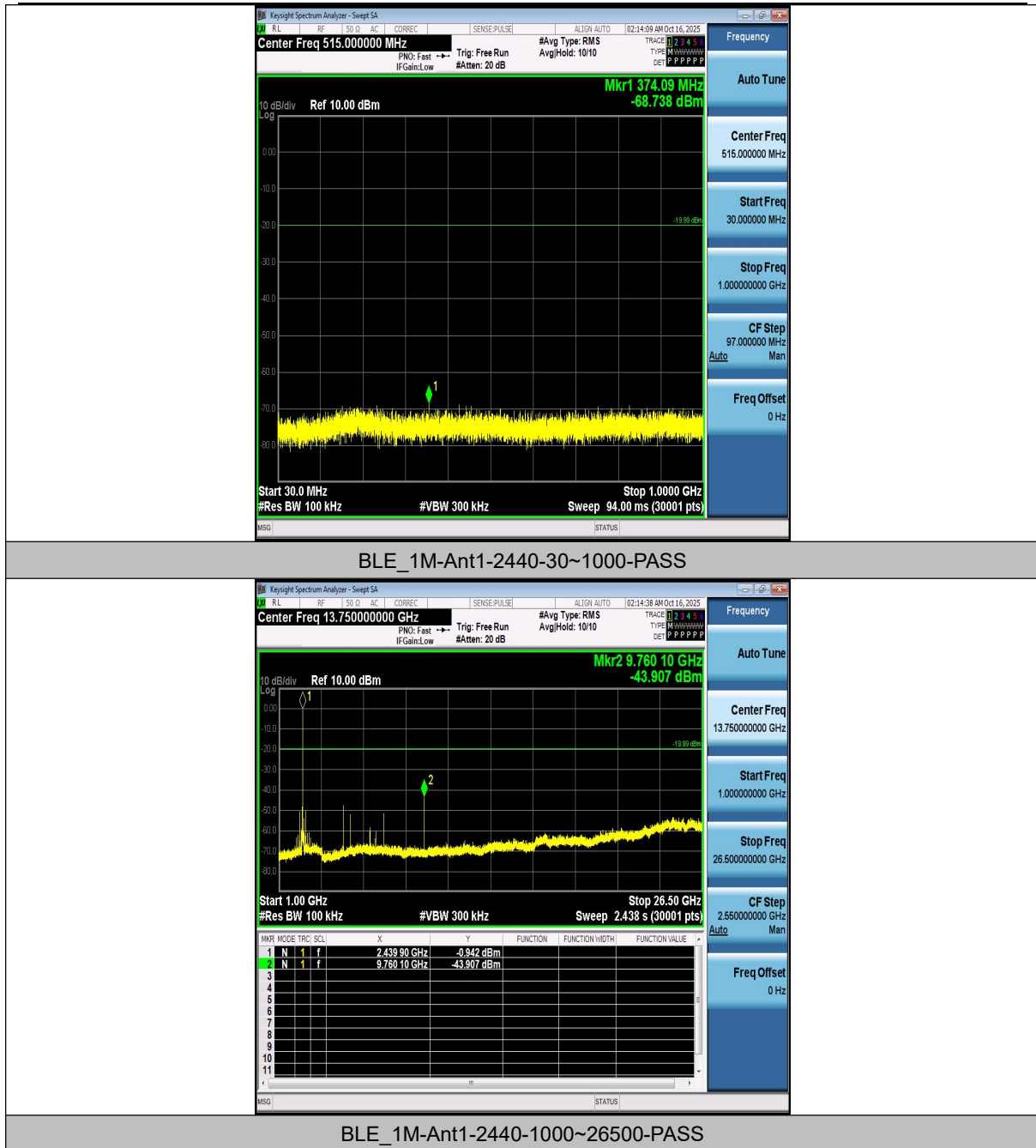
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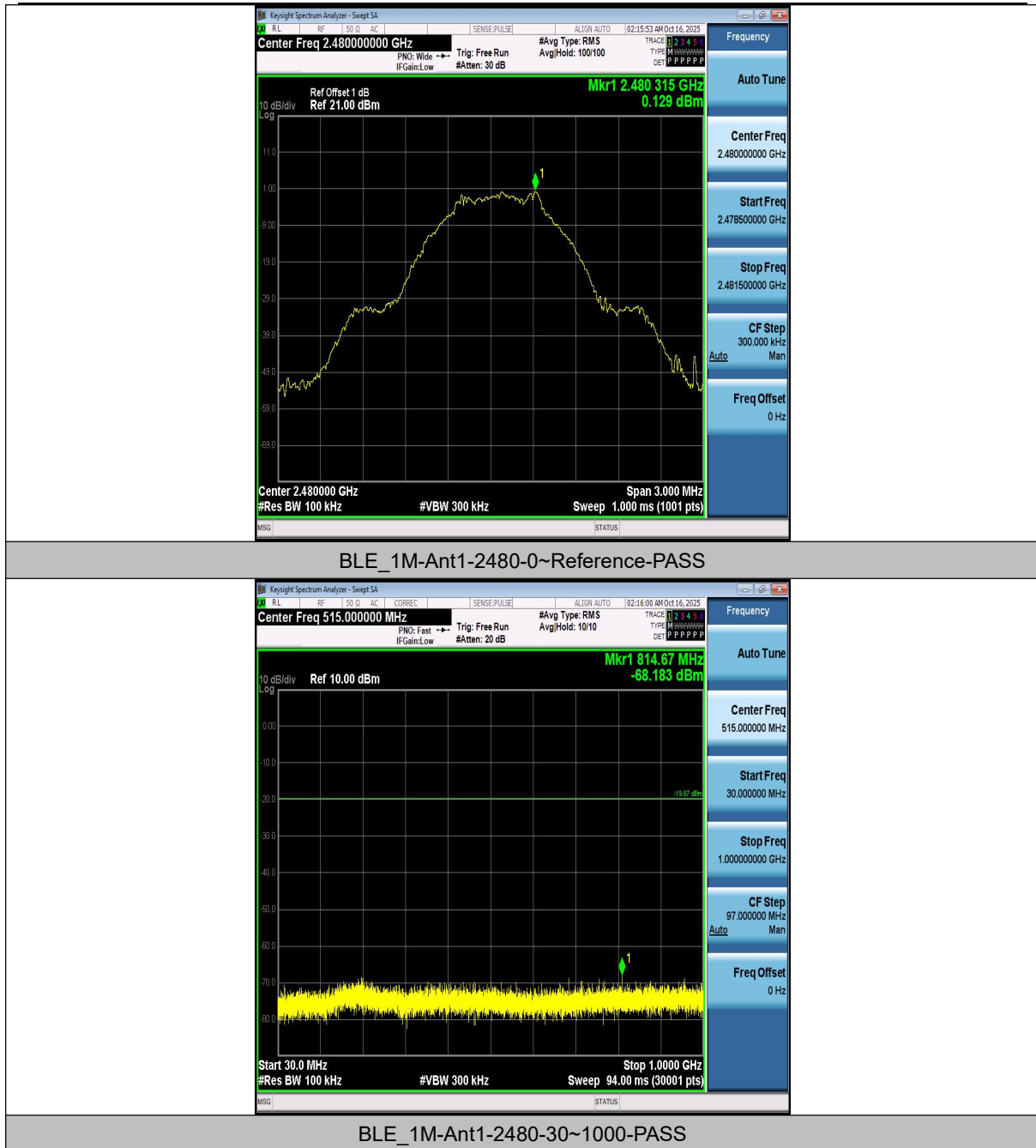
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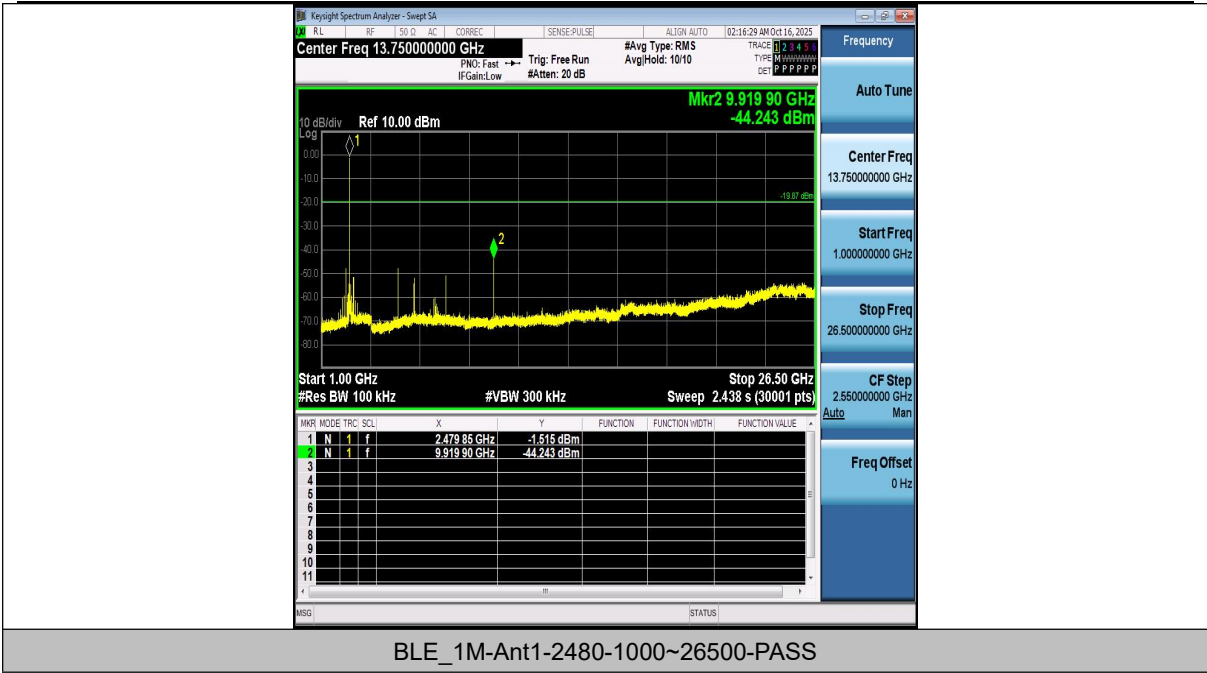
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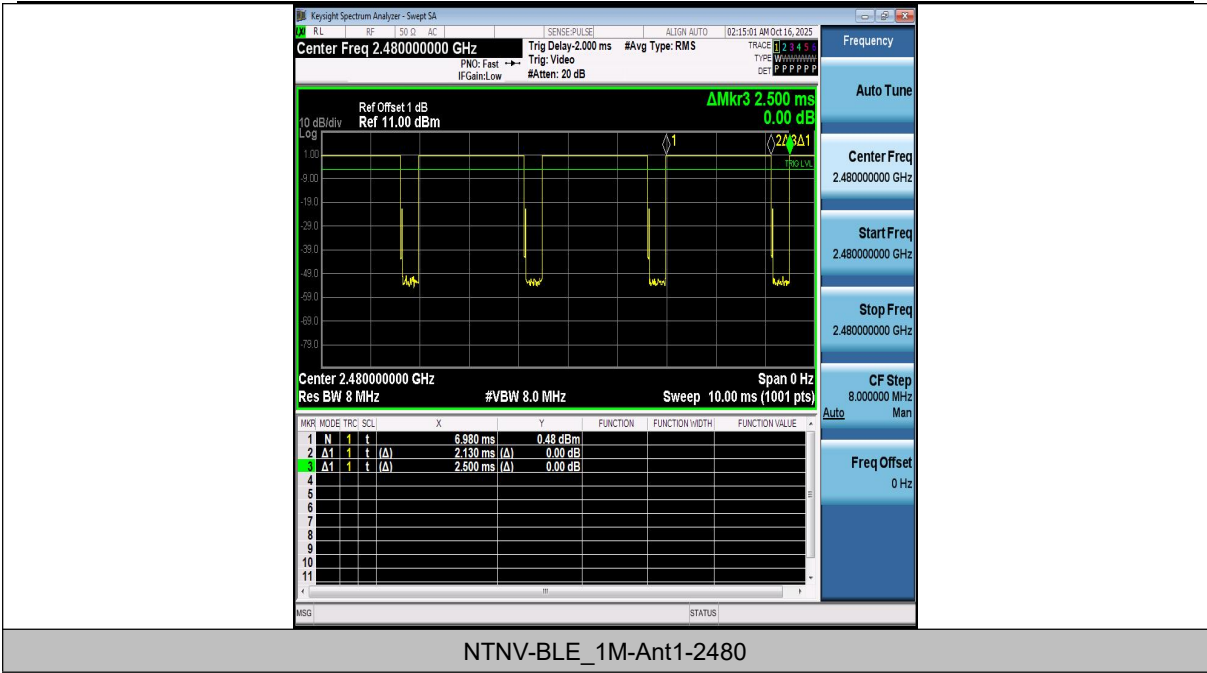
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.14	2.50	85.60	0.68
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

Test Graphs





NTNV-BLE_1M-Ant1-2480

---End---