

Appendix Test Data

Report No.:	1812C50587012501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-6	Finish Test Date:	2025-12-2
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.7°C	Relative Humidity:	48%
Pressure:	101kPa		



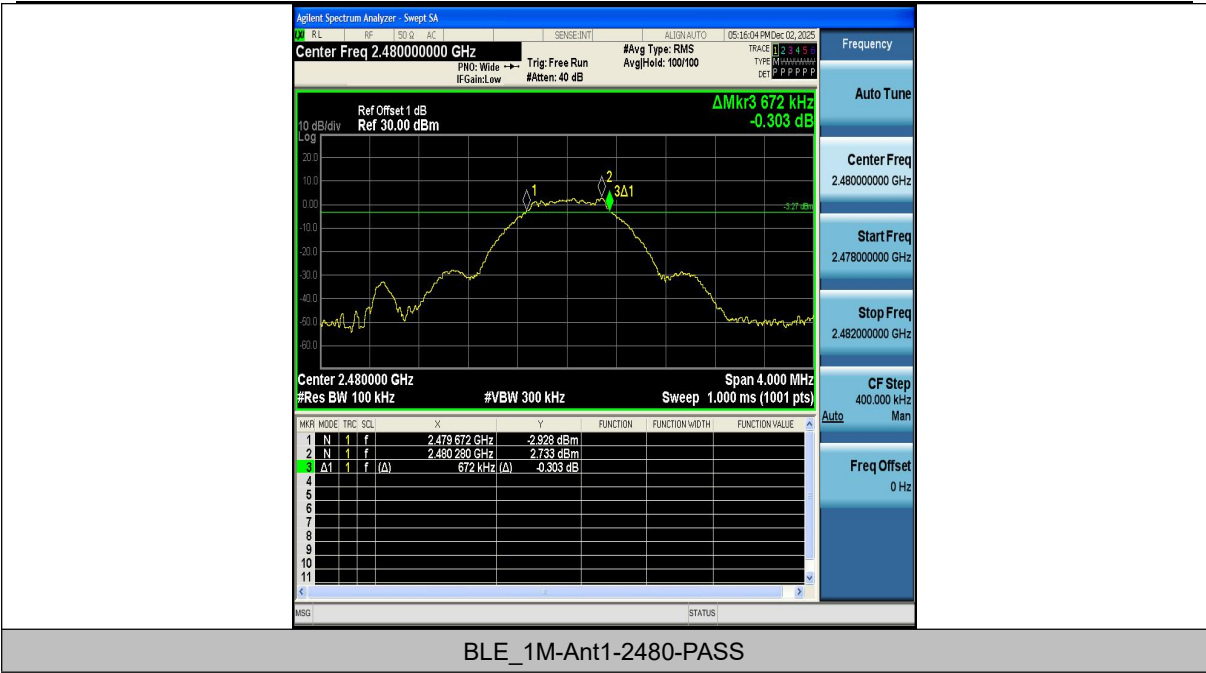
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.672	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.704	2439.656	2440.360	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.672	2480.344	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	1.0234	2401.5063	2402.5297	---	---
BLE_1M	Ant1	2440	1.0251	2439.5056	2440.5307	---	---
BLE_1M	Ant1	2480	1.0277	2479.5028	2480.5305	---	---

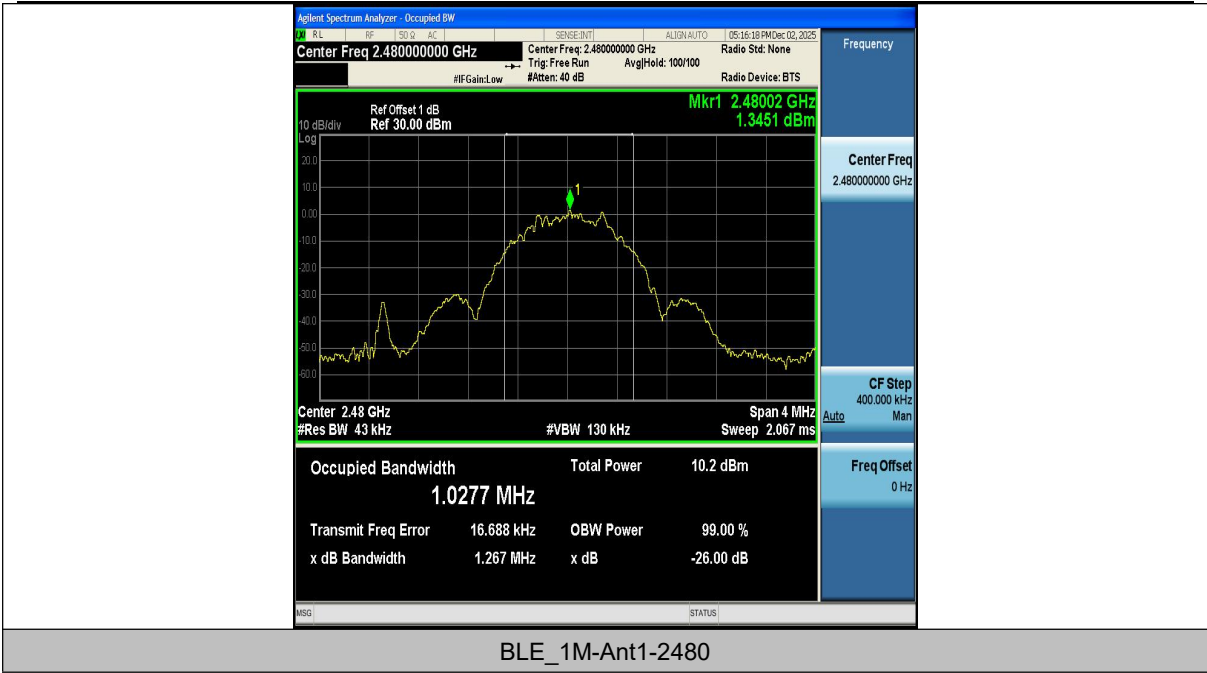
Test Graphs



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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	3.50	≤30	PASS
BLE_1M	Ant1	2440	3.86	≤30	PASS
BLE_1M	Ant1	2480	3.45	≤30	PASS

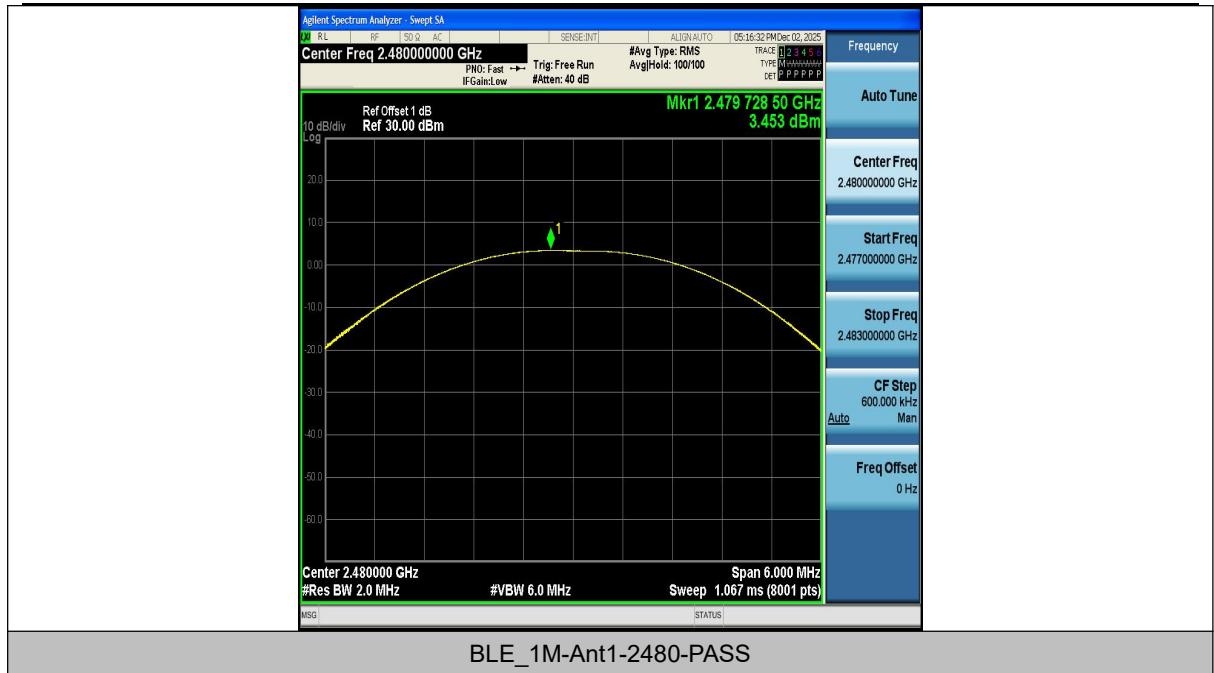
Test Graphs Peak



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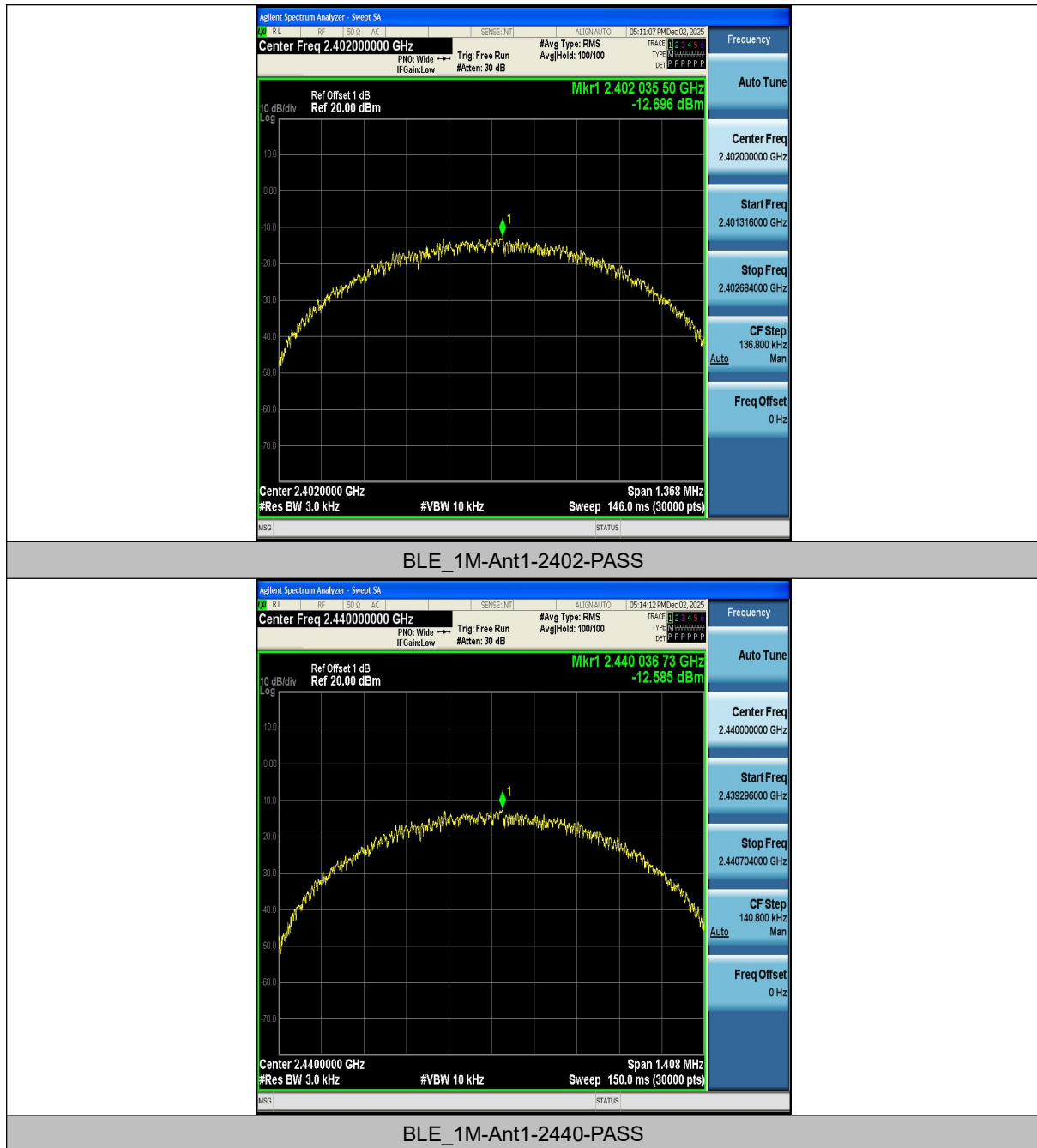
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.70	≤8.00	PASS
BLE_1M	Ant1	2440	-12.59	≤8.00	PASS
BLE_1M	Ant1	2480	-12.76	≤8.00	PASS

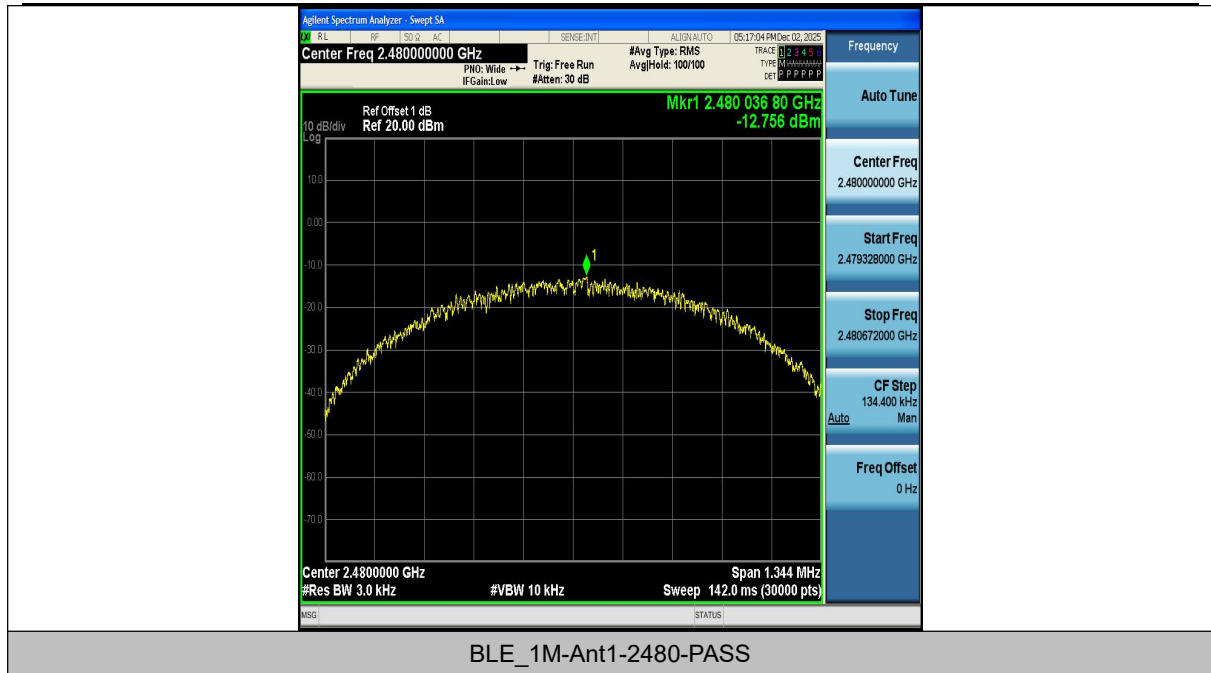
Test Graphs



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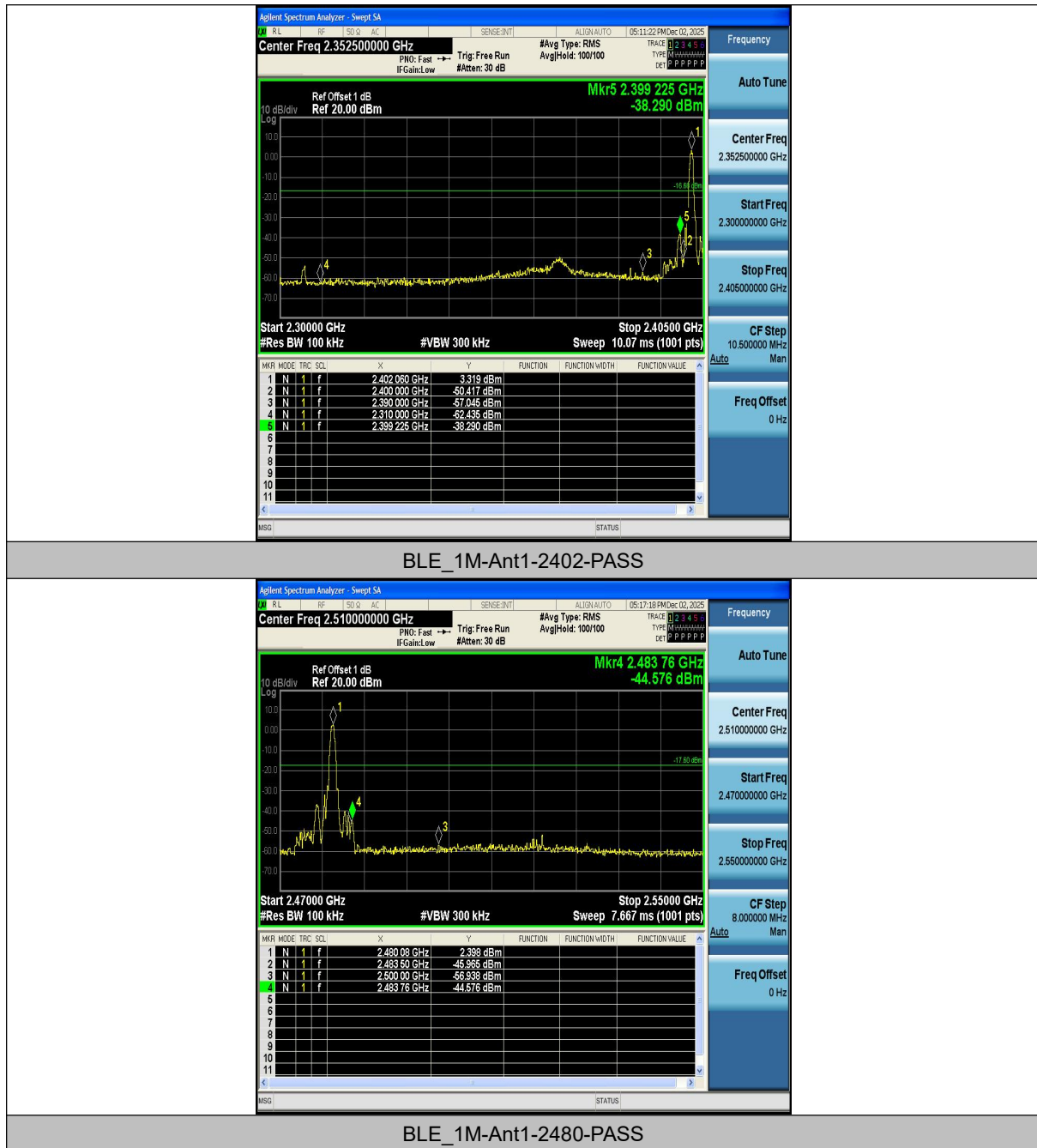
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.32	-38.29	≤-16.68	PASS
BLE_1M	Ant1	High	2480	2.40	-44.58	≤-17.6	PASS

Test Graphs



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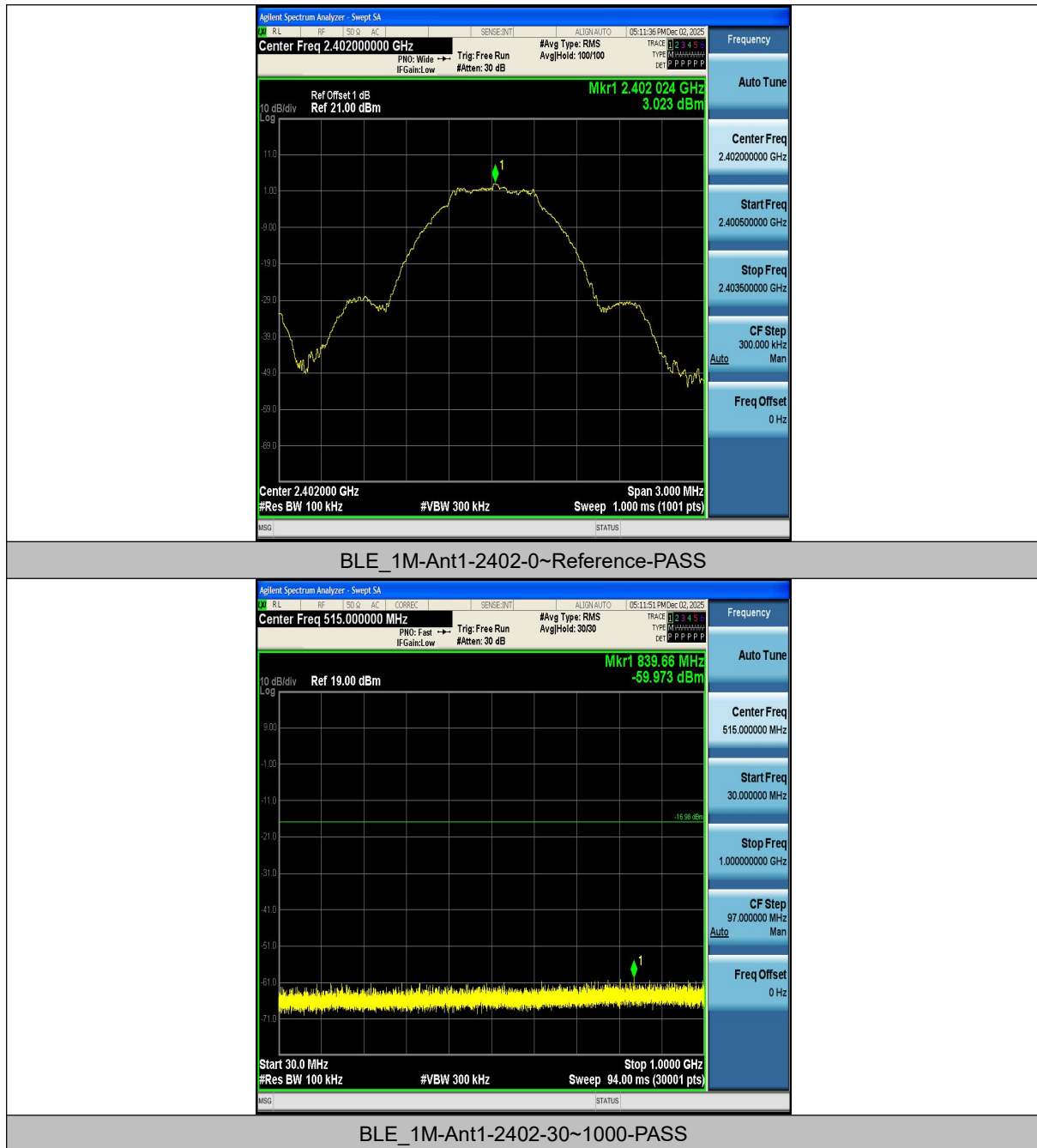
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.02	3.02	---	PASS
BLE_1M	Ant1	2402	30~1000	3.02	-59.97	≤-16.98	PASS
BLE_1M	Ant1	2402	1000~26500	3.02	-44.27	≤-16.98	PASS
BLE_1M	Ant1	2440	0~Reference	2.80	2.80	---	PASS
BLE_1M	Ant1	2440	30~1000	2.80	-59.39	≤-17.2	PASS
BLE_1M	Ant1	2440	1000~26500	2.80	-45.02	≤-17.2	PASS
BLE_1M	Ant1	2480	0~Reference	3.21	3.21	---	PASS
BLE_1M	Ant1	2480	30~1000	3.21	-59.26	≤-16.79	PASS
BLE_1M	Ant1	2480	1000~26500	3.21	-44.11	≤-16.79	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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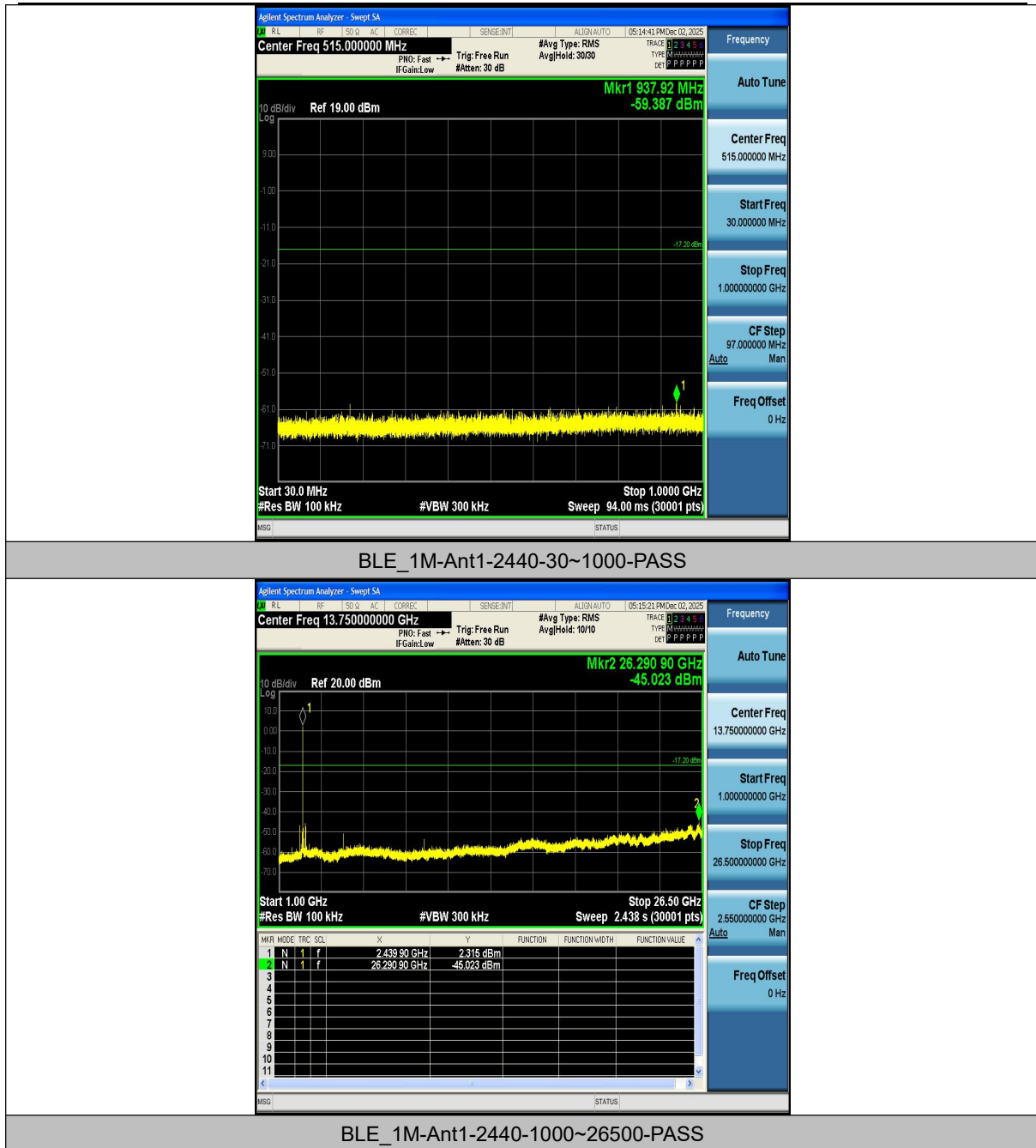
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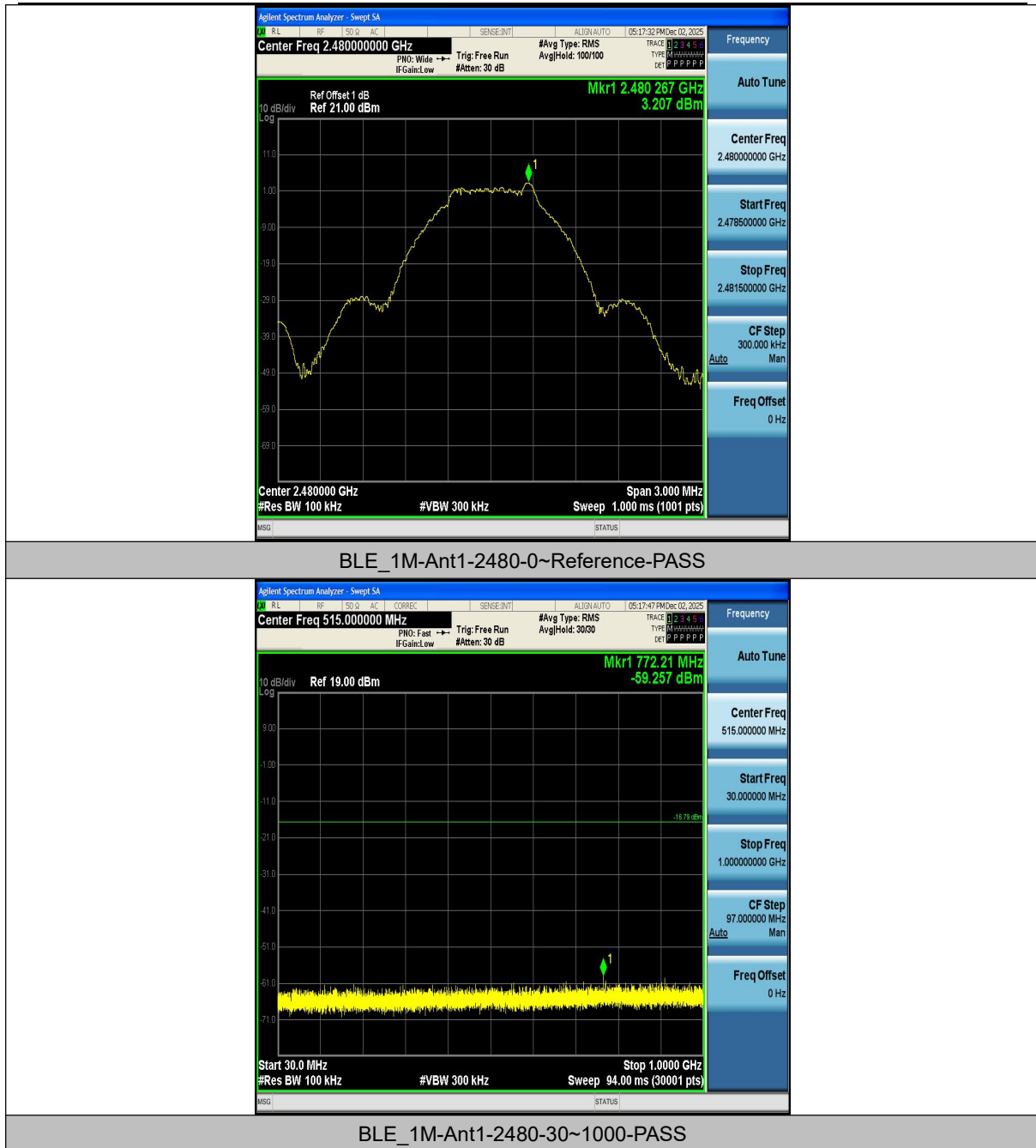
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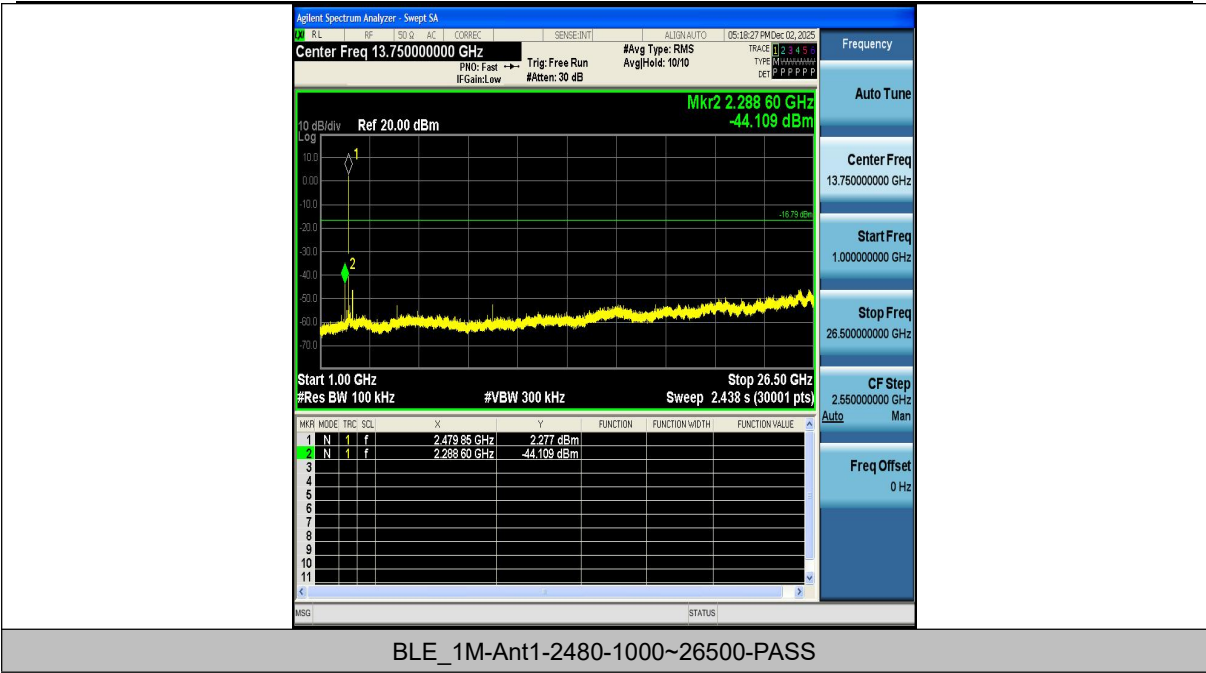
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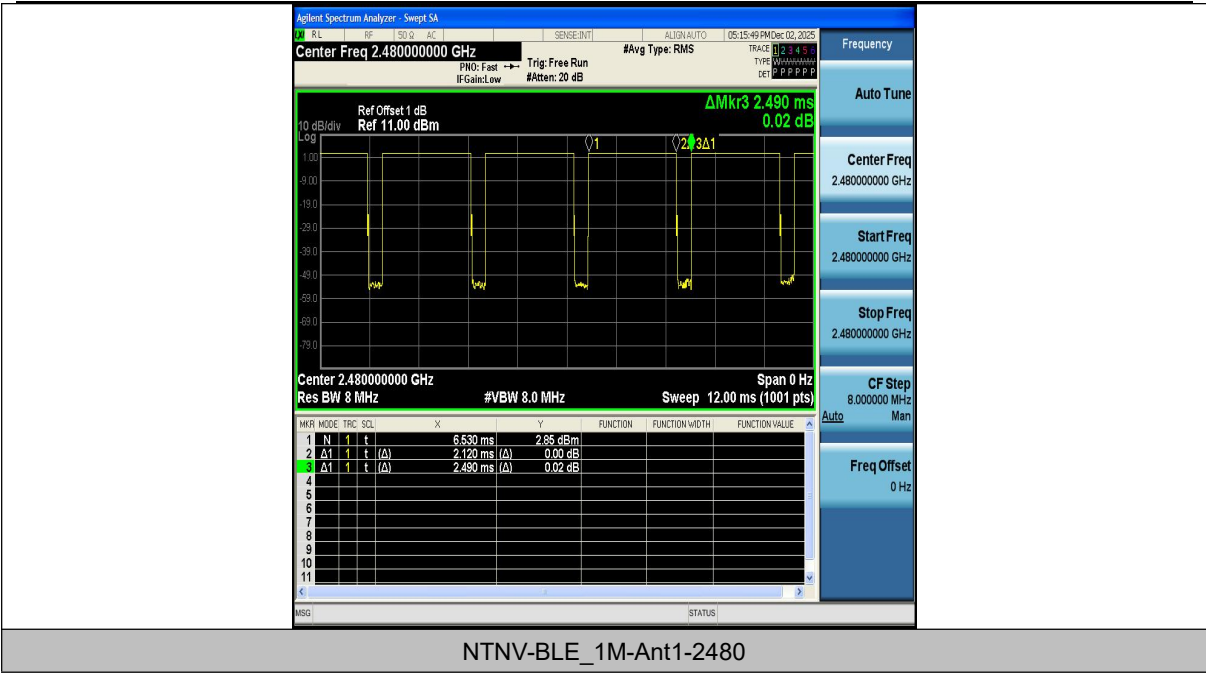
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2440	2.14	2.51	85.26	0.69
BLE_1M	Ant1	2480	2.12	2.49	85.14	0.70

Test Graphs





---End---