

Appendix Test Data

Report No.:	1813C50438012501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-22	Finish Test Date:	2025-10-22
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	22.8°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	0.668	2401.680	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.676	2439.676	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.628	2479.684	2480.312	0.5	PASS

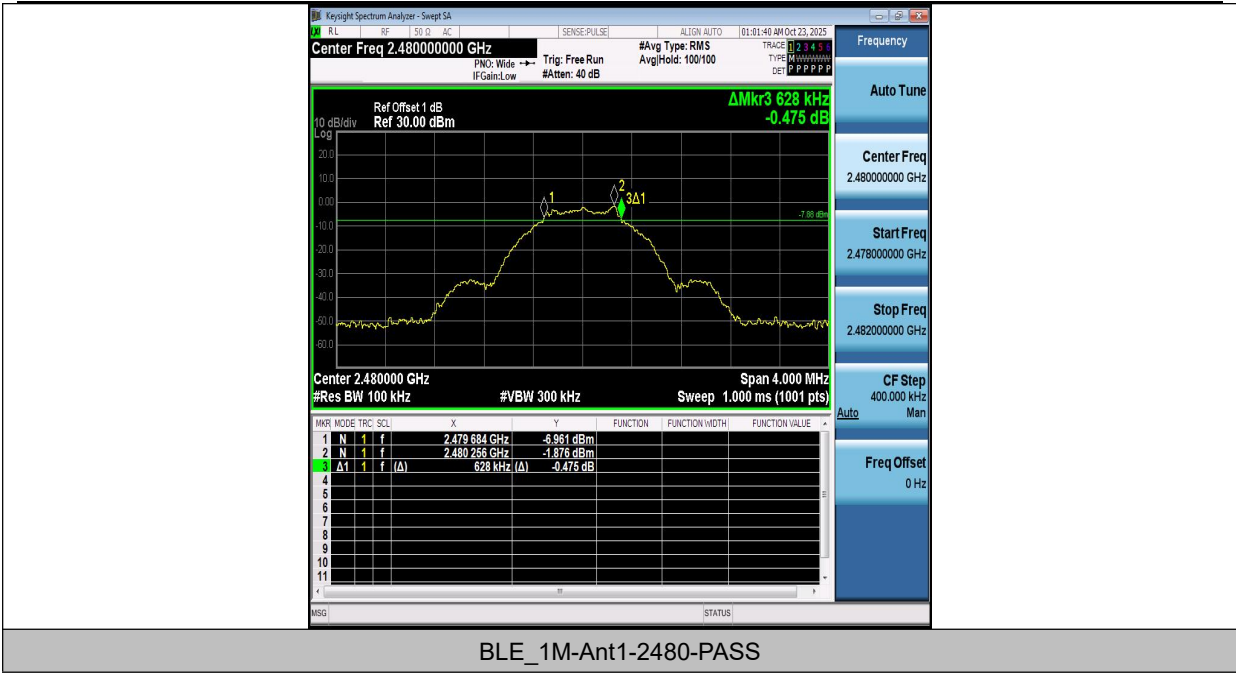
Test Graphs



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BLE_1M-Ant1-2480-PASS

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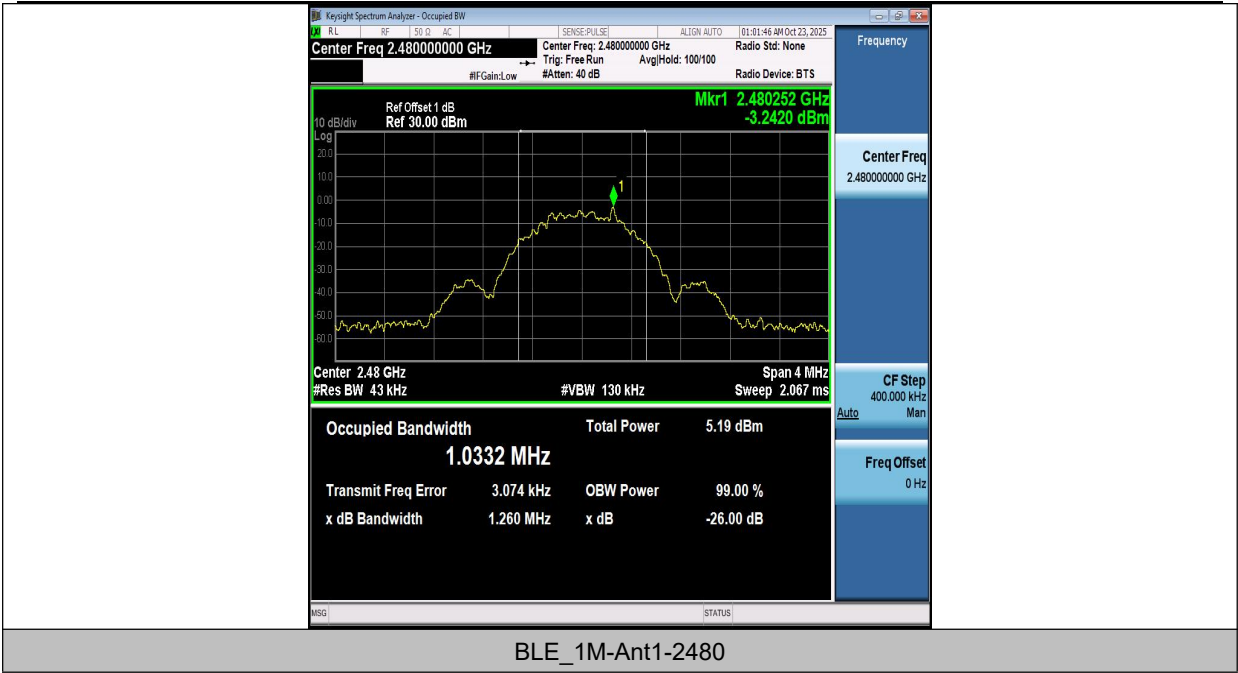
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0495	2401.4841	2402.5336	---	---
BLE_1M	Ant1	2440	1.0356	2439.4898	2440.5254	---	---
BLE_1M	Ant1	2480	1.0332	2479.4865	2480.5197	---	---

Test Graphs





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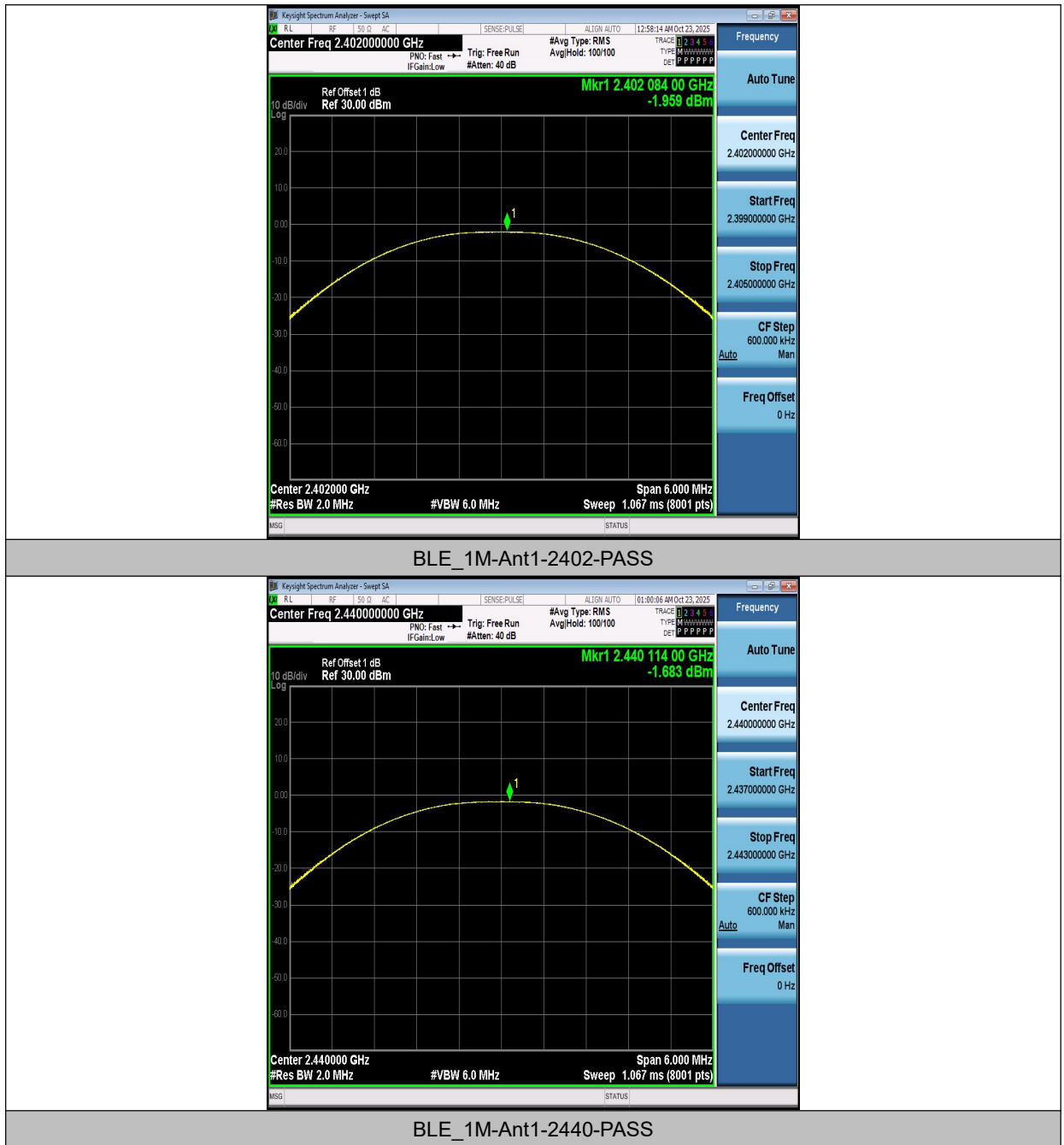
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.96	≤30	PASS
BLE_1M	Ant1	2440	-1.68	≤30	PASS
BLE_1M	Ant1	2480	-1.52	≤30	PASS

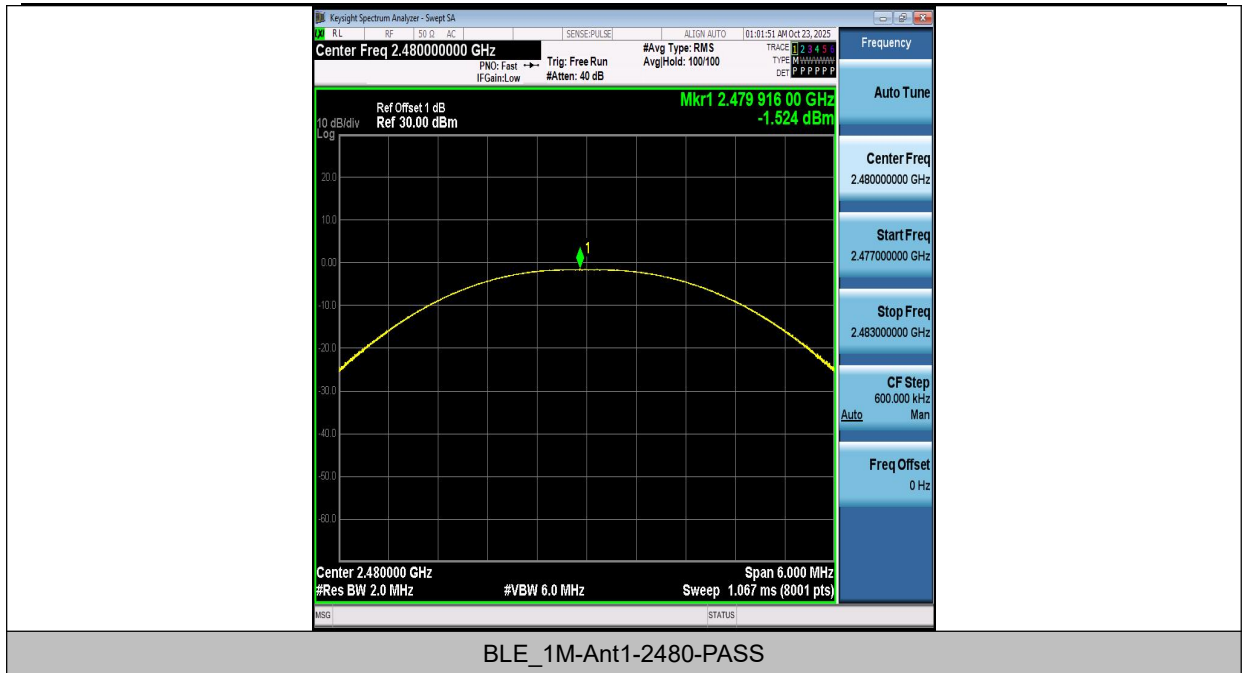
Test Graphs Peak



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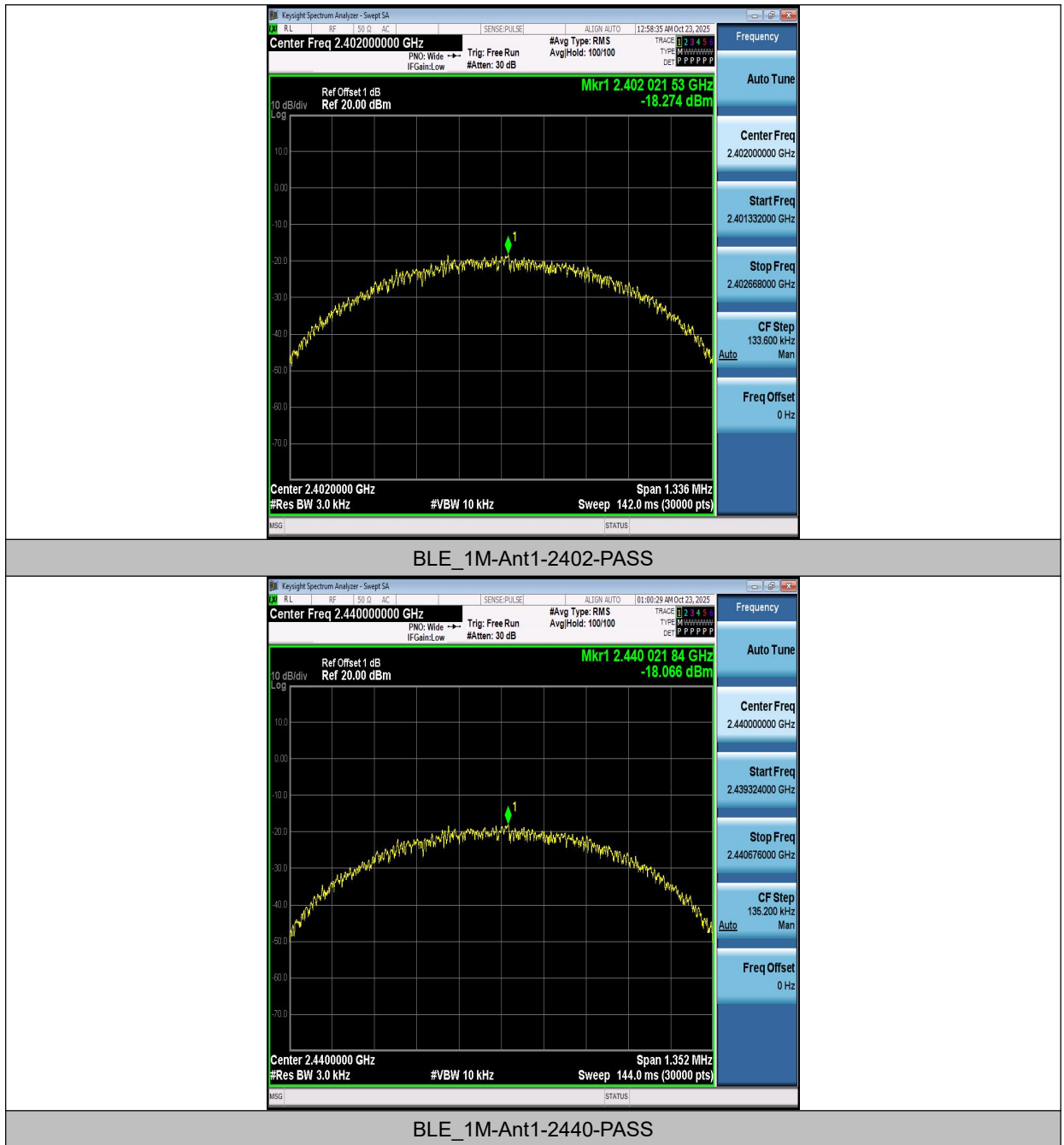
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.27	≤8.00	PASS
BLE_1M	Ant1	2440	-18.07	≤8.00	PASS
BLE_1M	Ant1	2480	-17.86	≤8.00	PASS

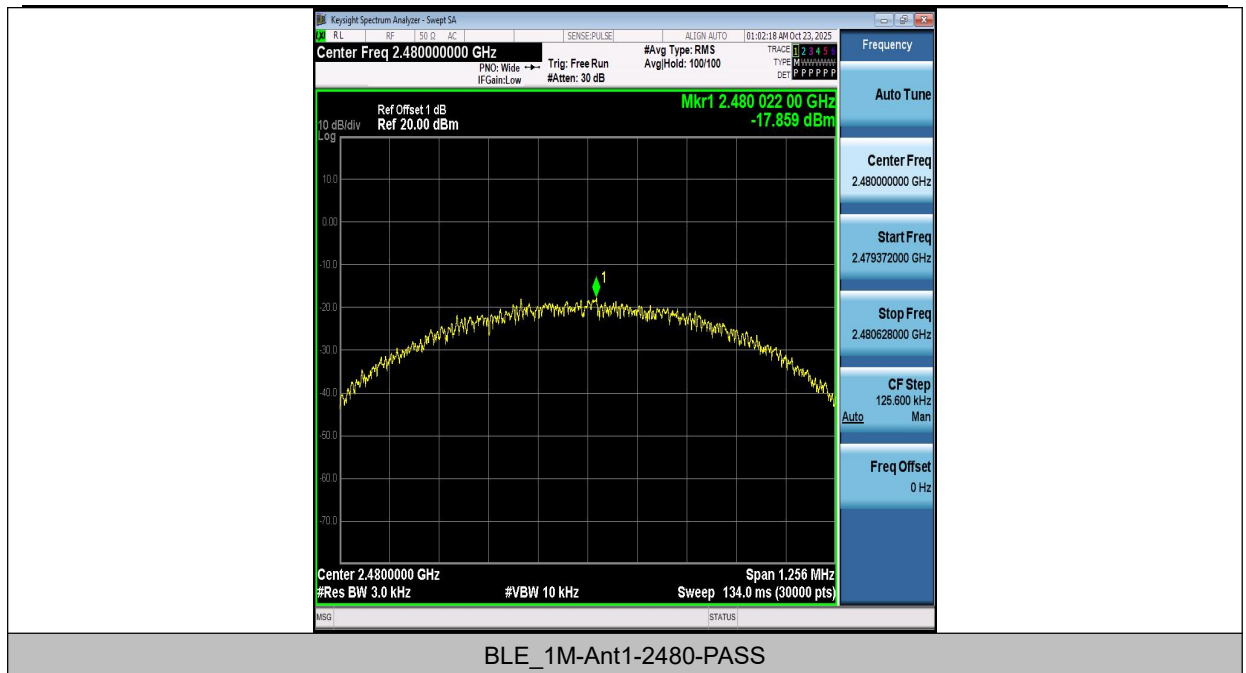
Test Graphs



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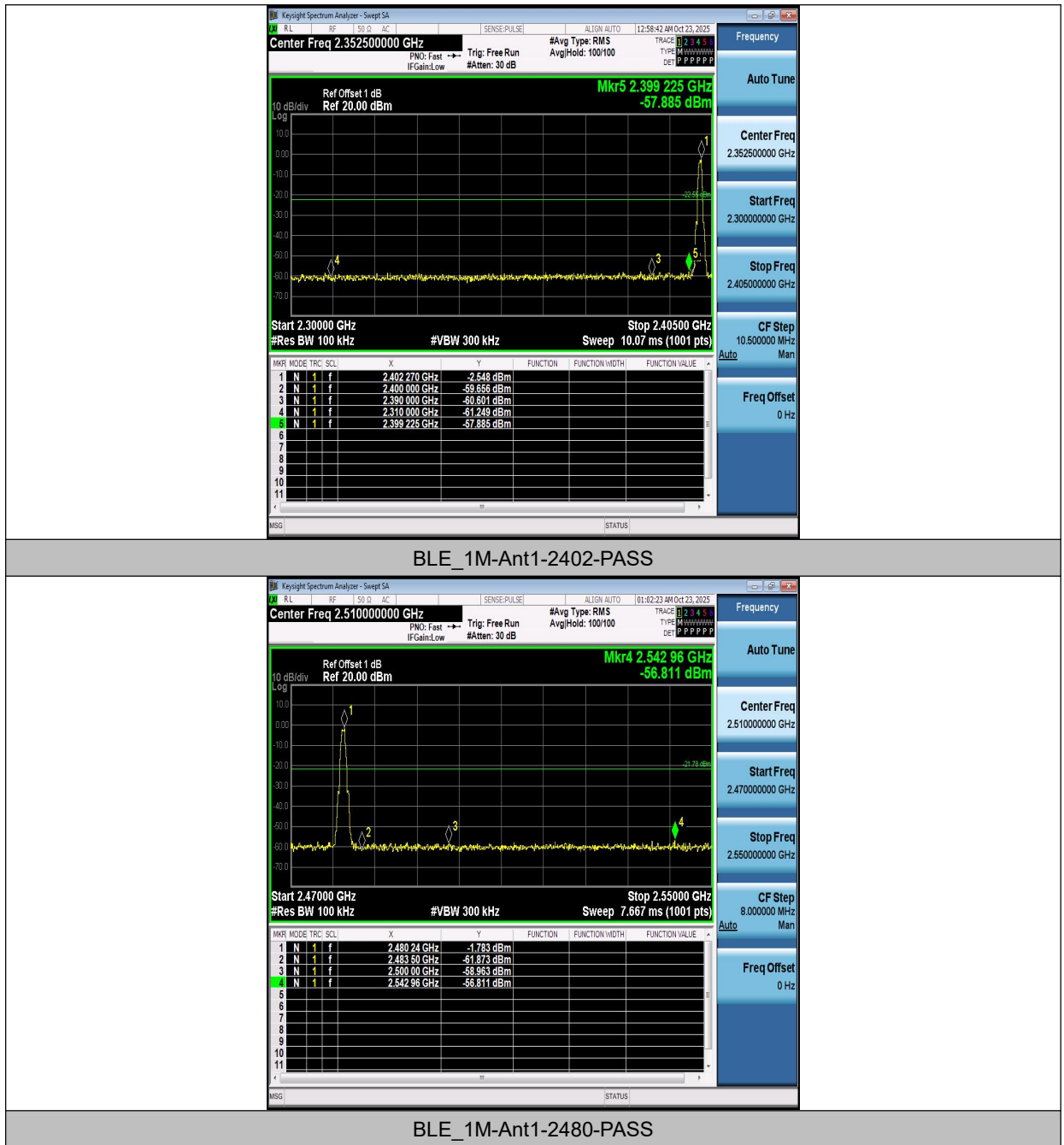
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.55	-57.89	≤-22.55	PASS
BLE_1M	Ant1	High	2480	-1.78	-56.81	≤-21.78	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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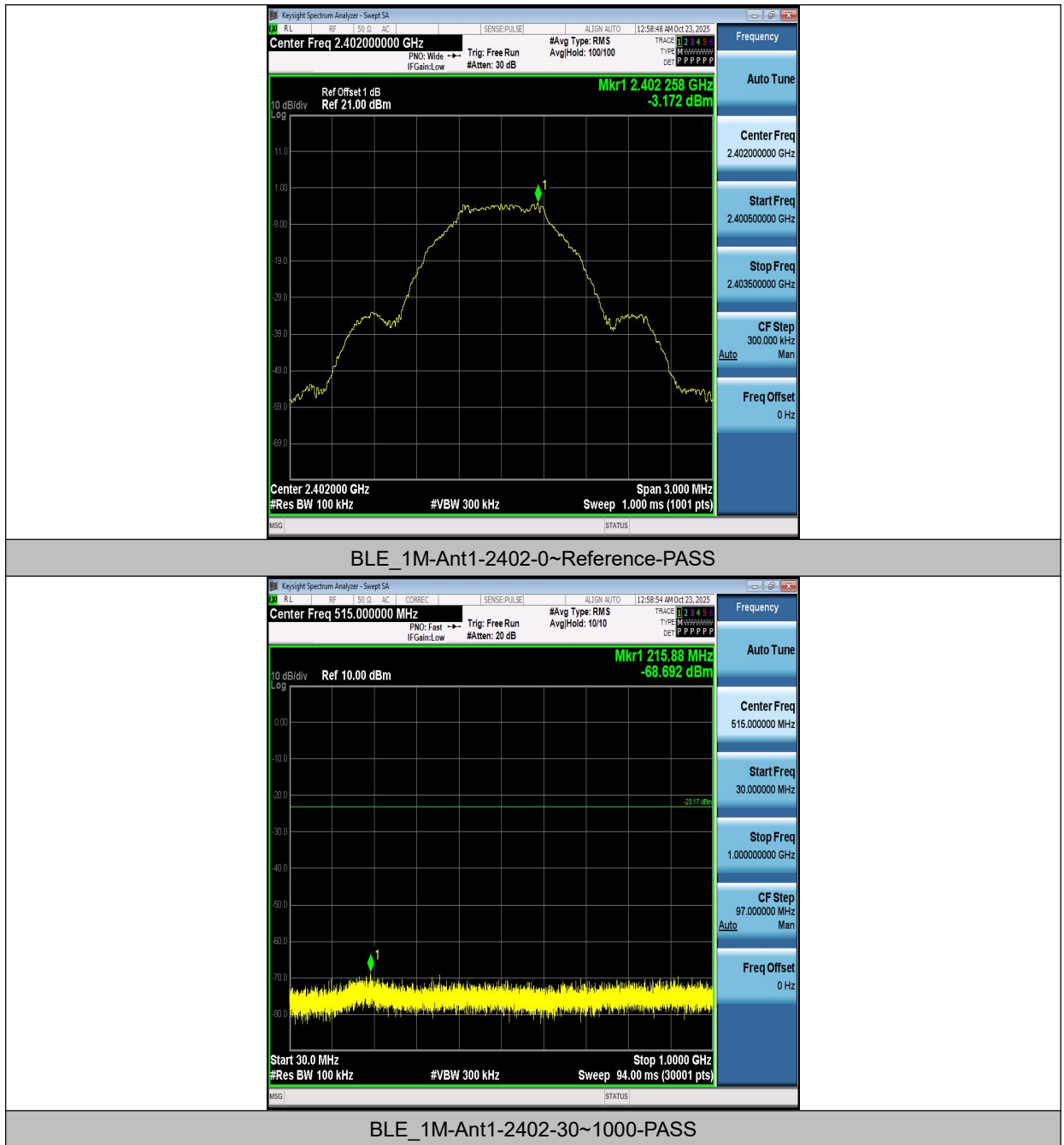
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.17	-3.17	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.17	-68.69	≤-23.17	PASS
BLE_1M	Ant1	2402	1000~26500	-3.17	-54.13	≤-23.17	PASS
BLE_1M	Ant1	2440	0~Reference	-2.92	-2.92	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.92	-68.23	≤-22.92	PASS
BLE_1M	Ant1	2440	1000~26500	-2.92	-52.77	≤-22.92	PASS
BLE_1M	Ant1	2480	0~Reference	-2.76	-2.76	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.76	-68.59	≤-22.76	PASS
BLE_1M	Ant1	2480	1000~26500	-2.76	-53.85	≤-22.76	PASS

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

Test Graphs



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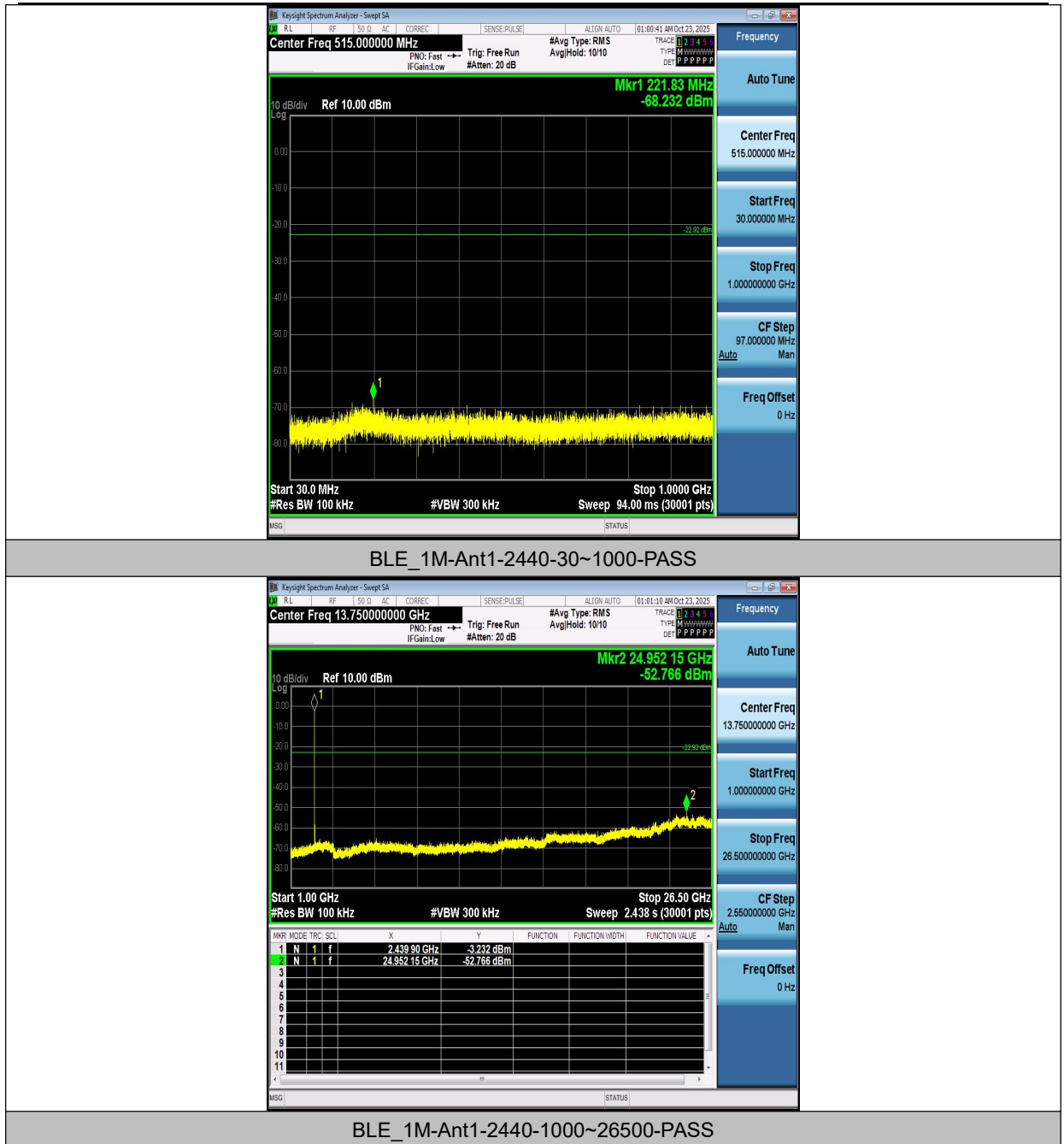
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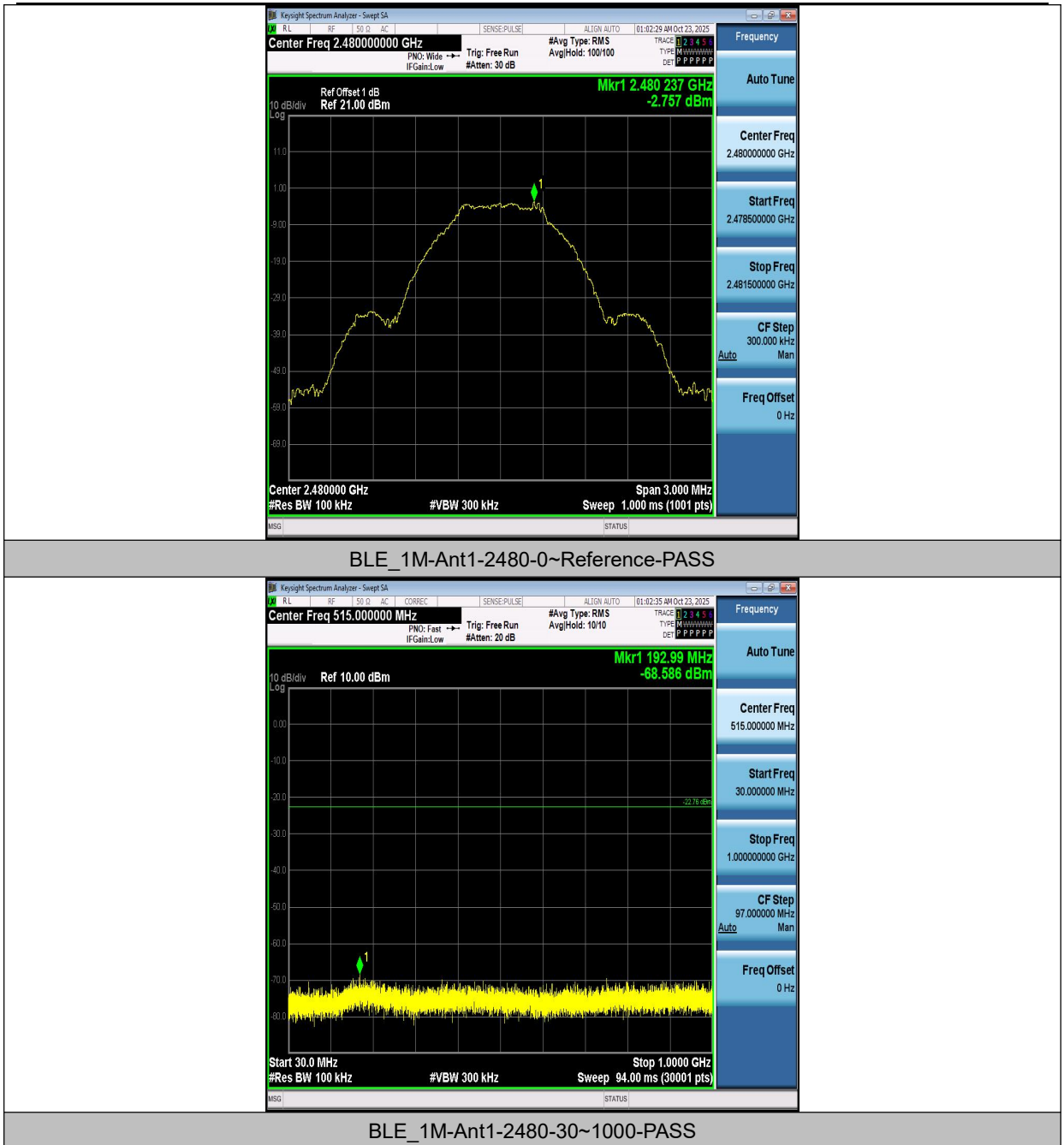
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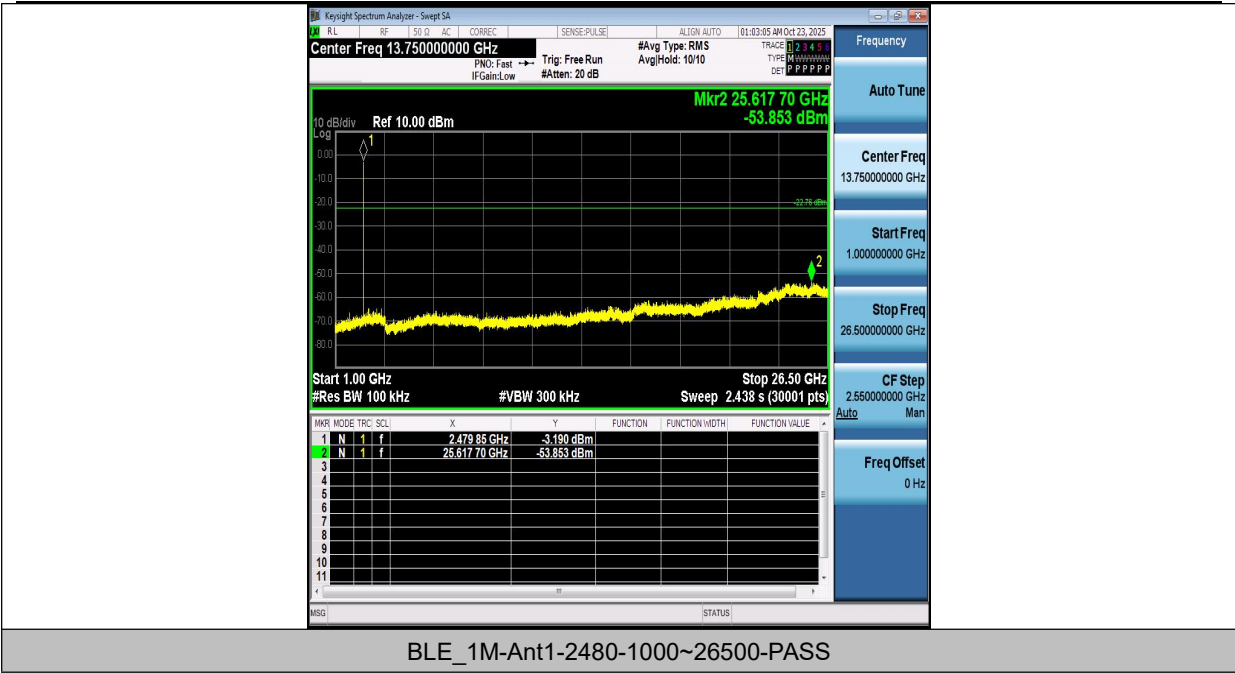
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Appendix G: Duty Cycle

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	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71

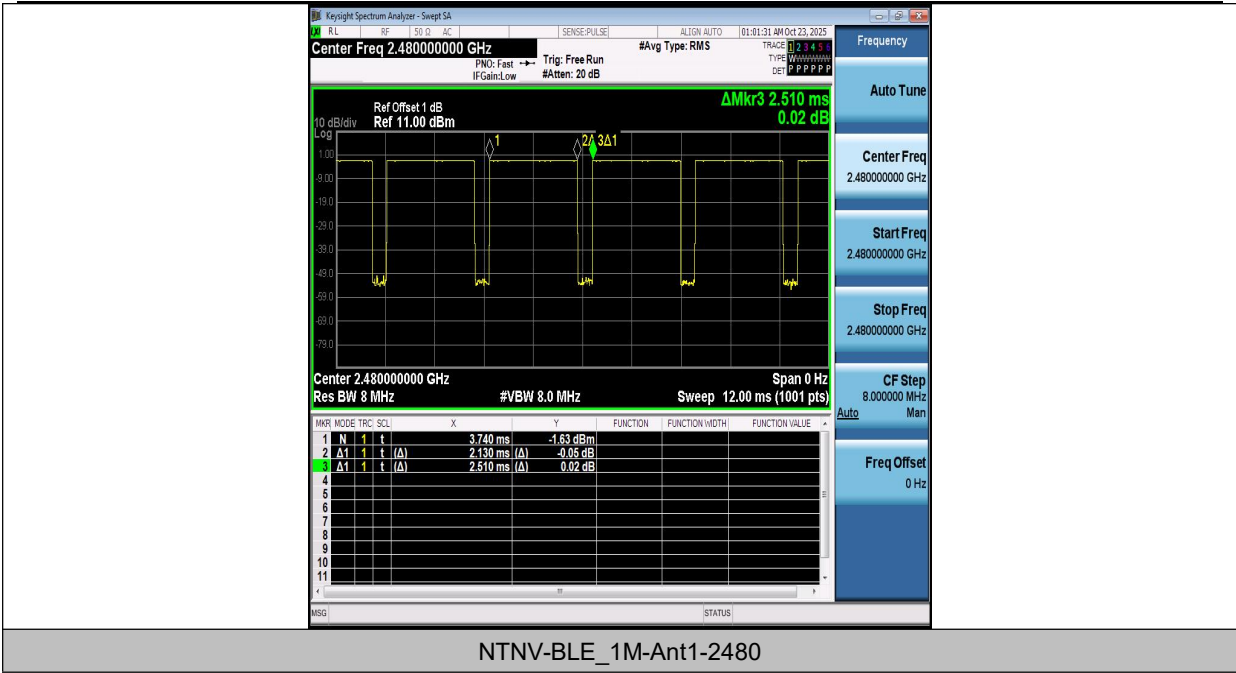
Test Graphs



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