

Appendix Test Data

Report No.:	1812C50510612501	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	0.656	2401.732	2402.388	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.720	2440.384	0.5	PASS
BLE_1M	Ant1	2480	0.656	2479.728	2480.384	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	1.0330	2401.5425	2402.5755	---	---
BLE_1M	Ant1	2440	1.0333	2439.5411	2440.5744	---	---
BLE_1M	Ant1	2480	1.0338	2479.5404	2480.5742	---	---

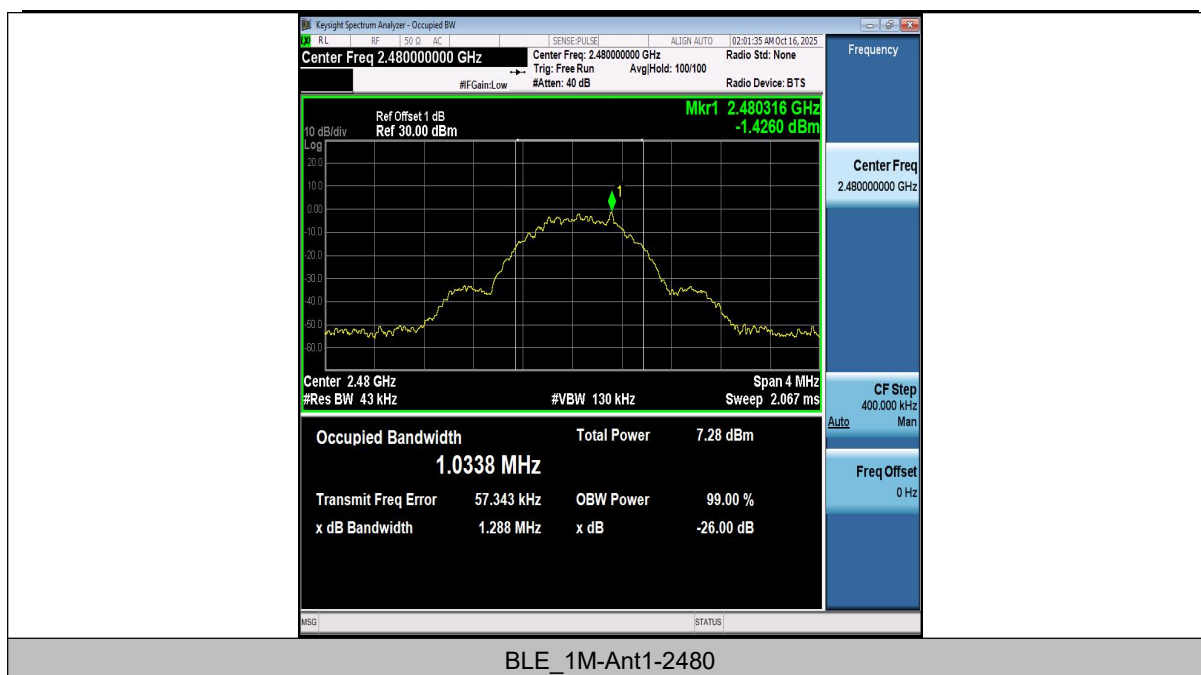
Test Graphs



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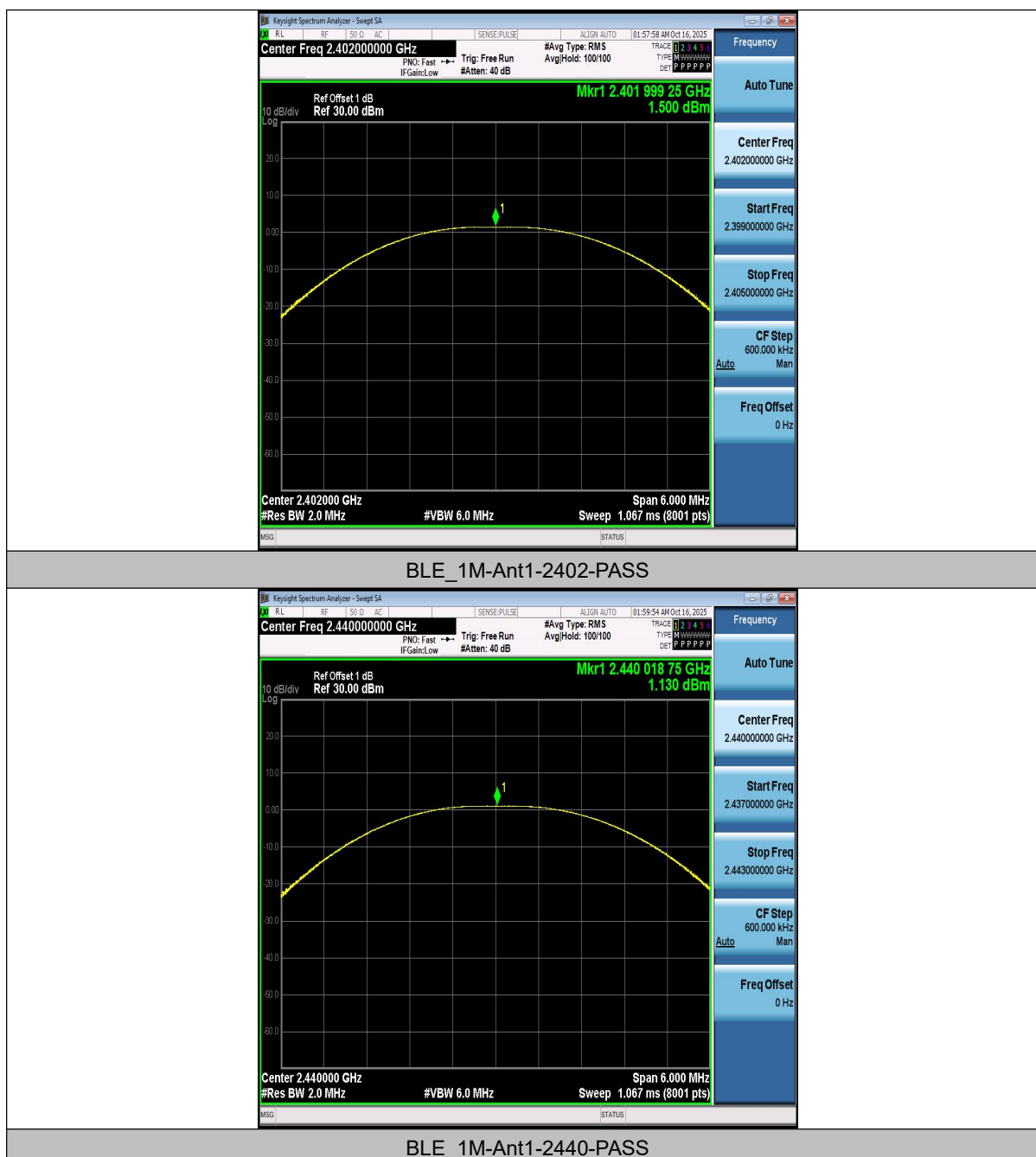
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.50	≤30	PASS
BLE_1M	Ant1	2440	1.13	≤30	PASS
BLE_1M	Ant1	2480	0.55	≤30	PASS

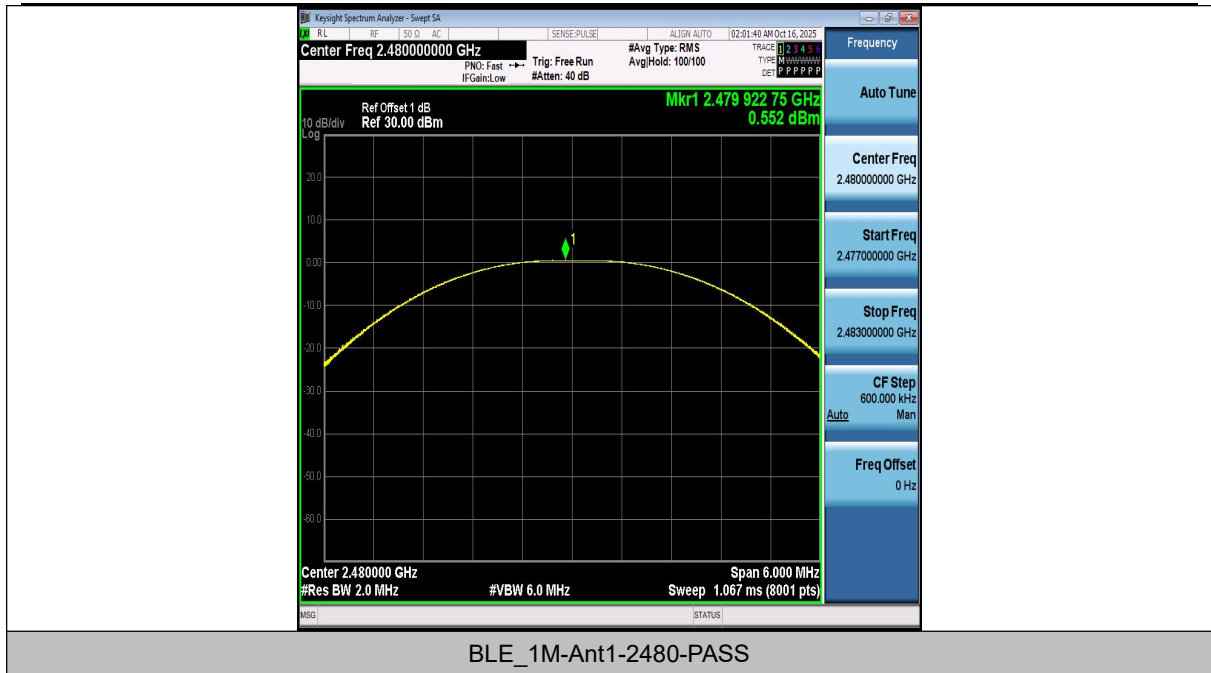
Test Graphs Peak



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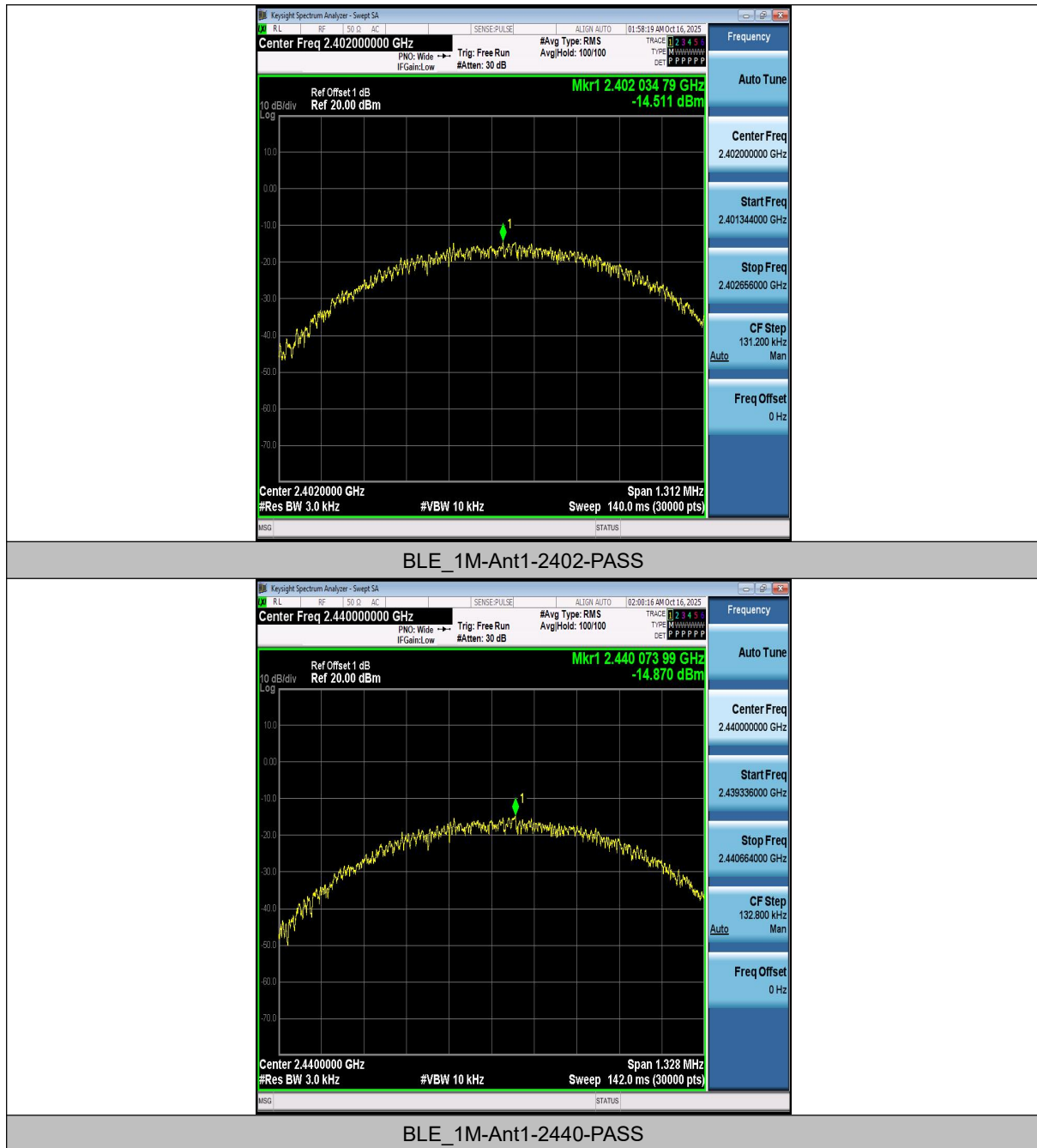
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.51	≤8.00	PASS
BLE_1M	Ant1	2440	-14.87	≤8.00	PASS
BLE_1M	Ant1	2480	-15.49	≤8.00	PASS

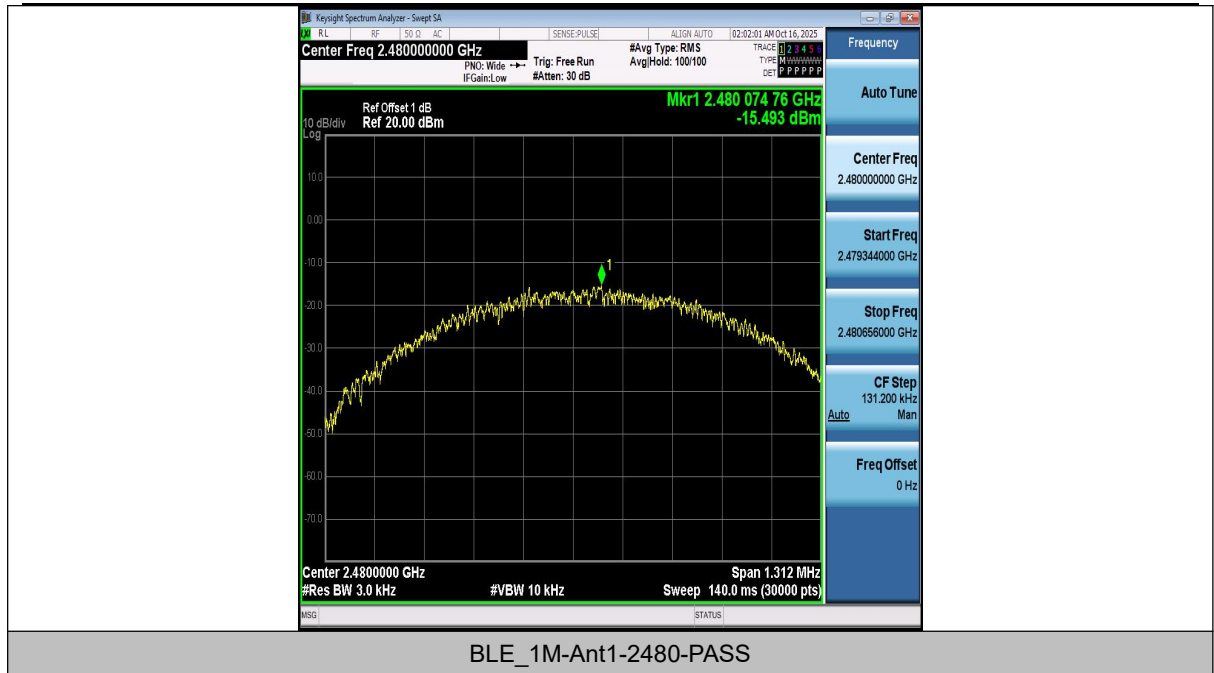
Test Graphs



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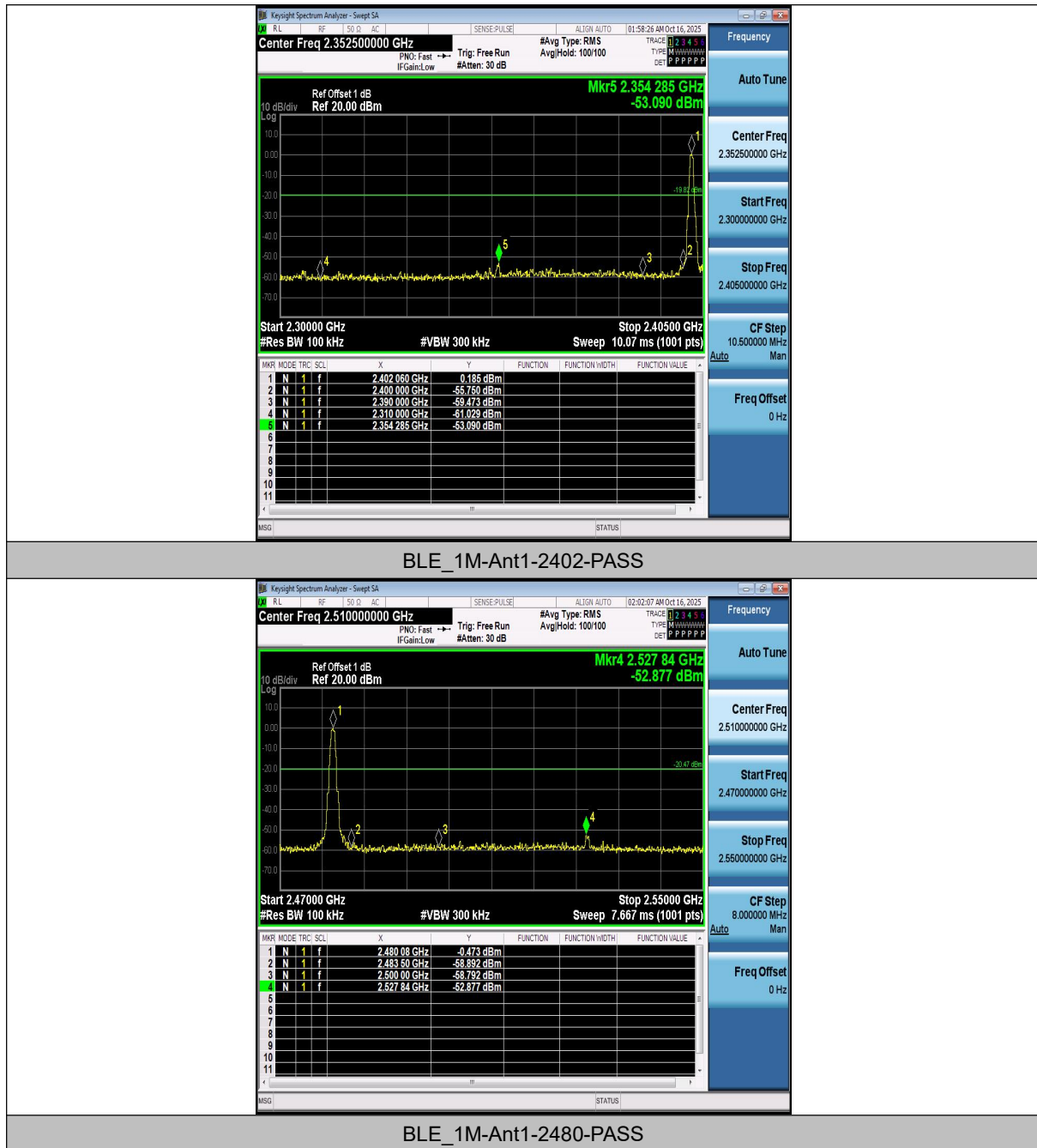
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.19	-53.09	≤-19.82	PASS
BLE_1M	Ant1	High	2480	-0.47	-52.88	≤-20.47	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	1.25	1.25	---	PASS
BLE_1M	Ant1	2402	30~1000	1.25	-67.12	≤-18.75	PASS
BLE_1M	Ant1	2402	1000~26500	1.25	-43.64	≤-18.75	PASS
BLE_1M	Ant1	2440	0~Reference	0.95	0.95	---	PASS
BLE_1M	Ant1	2440	30~1000	0.95	-67.88	≤-19.05	PASS
BLE_1M	Ant1	2440	1000~26500	0.95	-43.56	≤-19.05	PASS
BLE_1M	Ant1	2480	0~Reference	0.00	0.00	---	PASS
BLE_1M	Ant1	2480	30~1000	0.00	-68.49	≤-20	PASS
BLE_1M	Ant1	2480	1000~26500	0.00	-44.49	≤-20	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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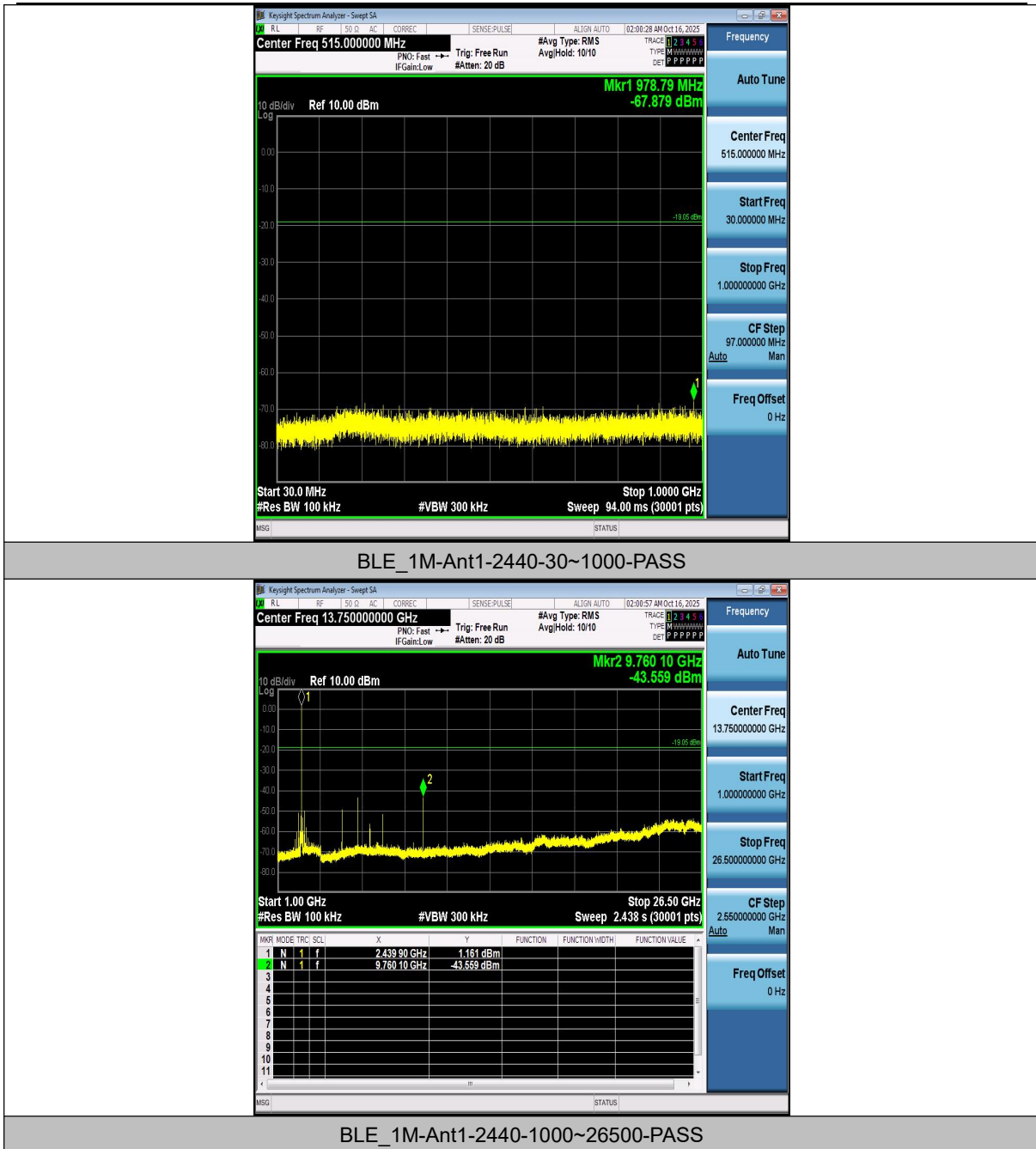
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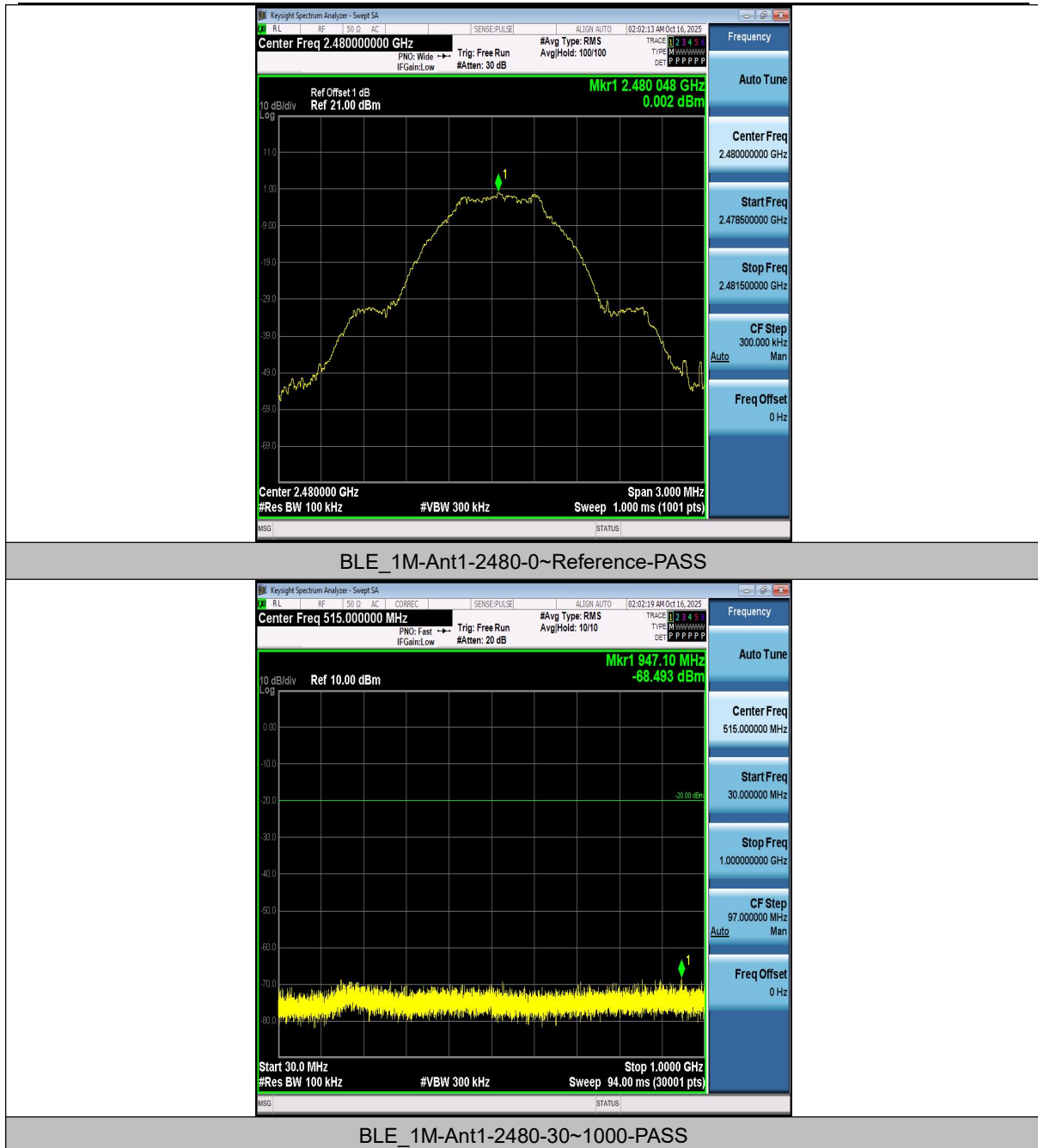
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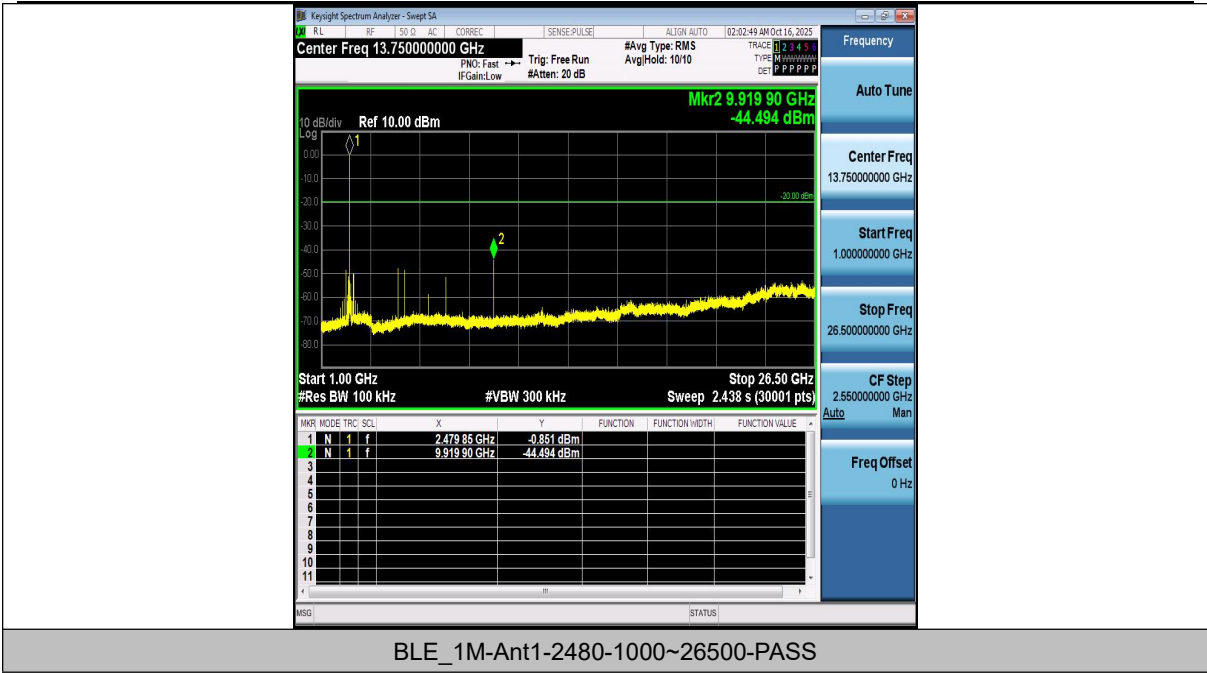
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Appendix G: Duty Cycle

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

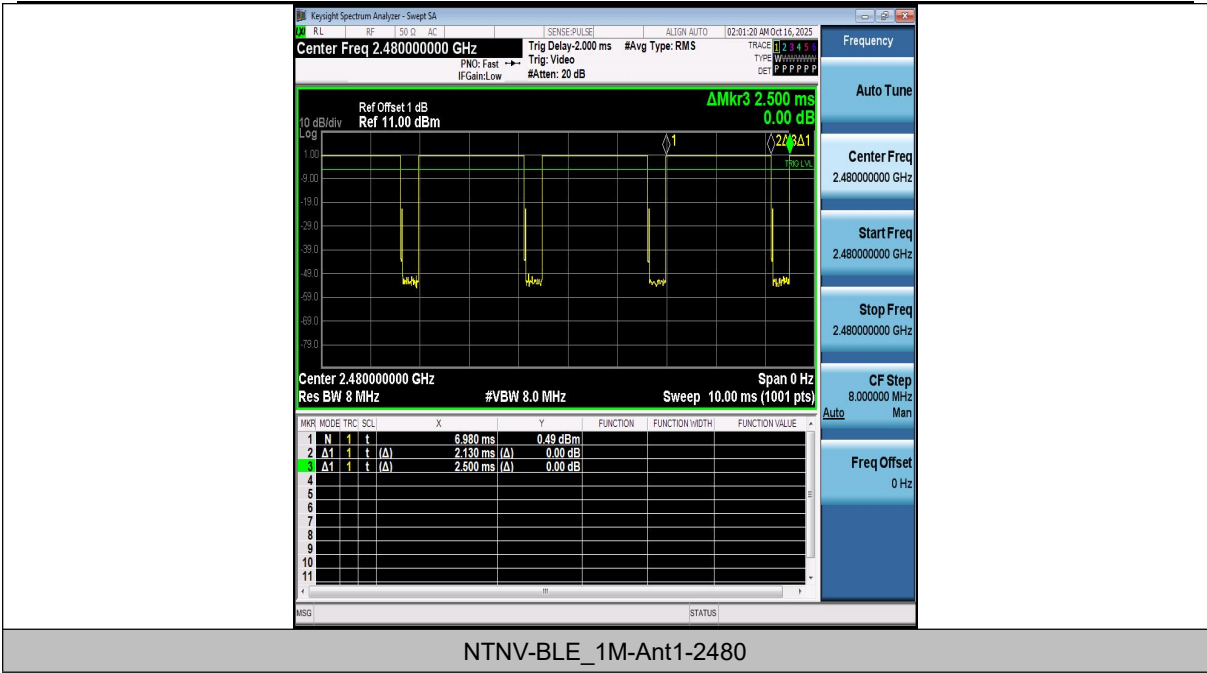
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