

Appendix Test Data

Report No.:	1812C60509812502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-9-3	Finish Test Date:	2026-9-10
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.2°C	Relative Humidity:	60%
Pressure:	100.6kPa		



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	0.692	2401.676	2402.368	0.5	PASS
BLE_1M	Ant1	2440	0.636	2439.708	2440.344	0.5	PASS
BLE_1M	Ant1	2480	0.696	2479.664	2480.360	0.5	PASS

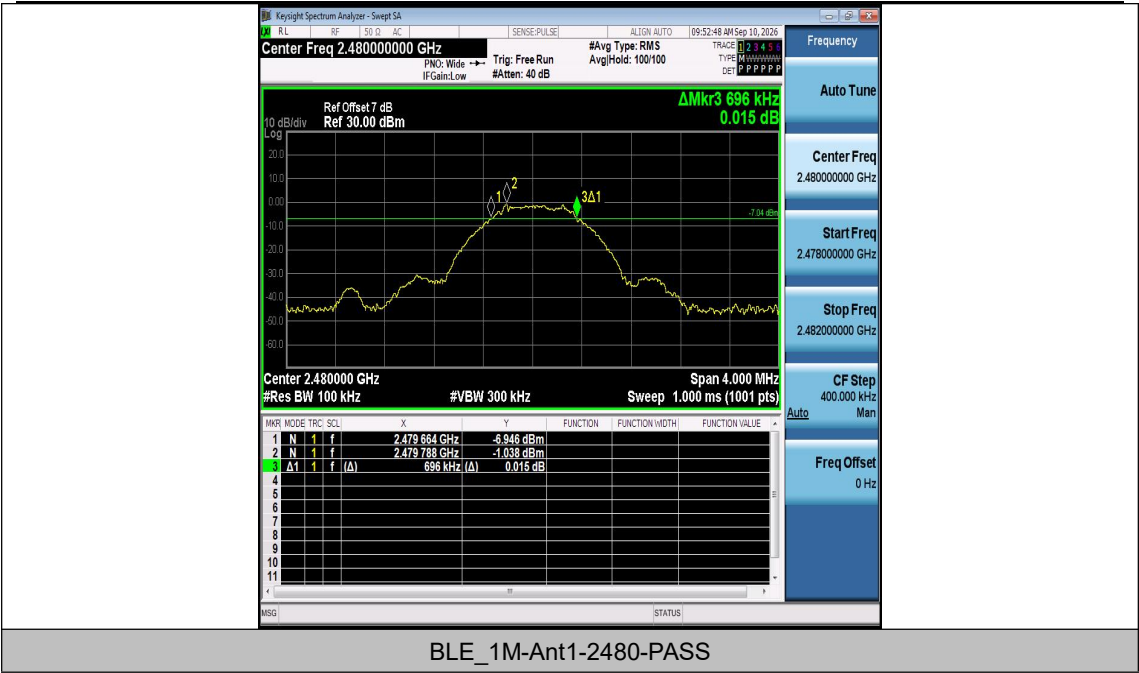
Test Graphs



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BLE_1M-Ant1-2480-PASS

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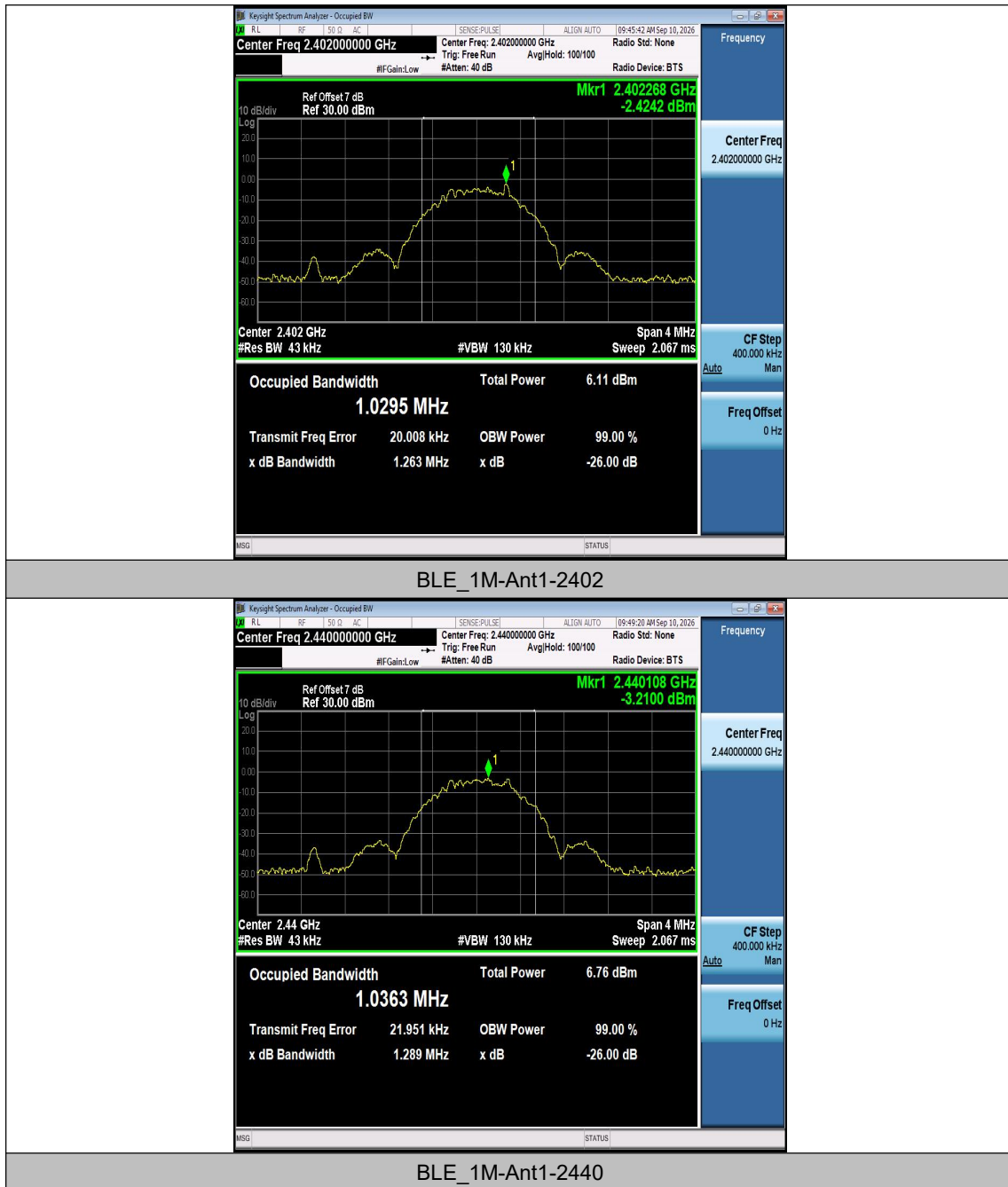
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0295	2401.5053	2402.5348	---	---
BLE_1M	Ant1	2440	1.0363	2439.5038	2440.5401	---	---
BLE_1M	Ant1	2480	1.0267	2479.5081	2480.5348	---	---

Test Graphs



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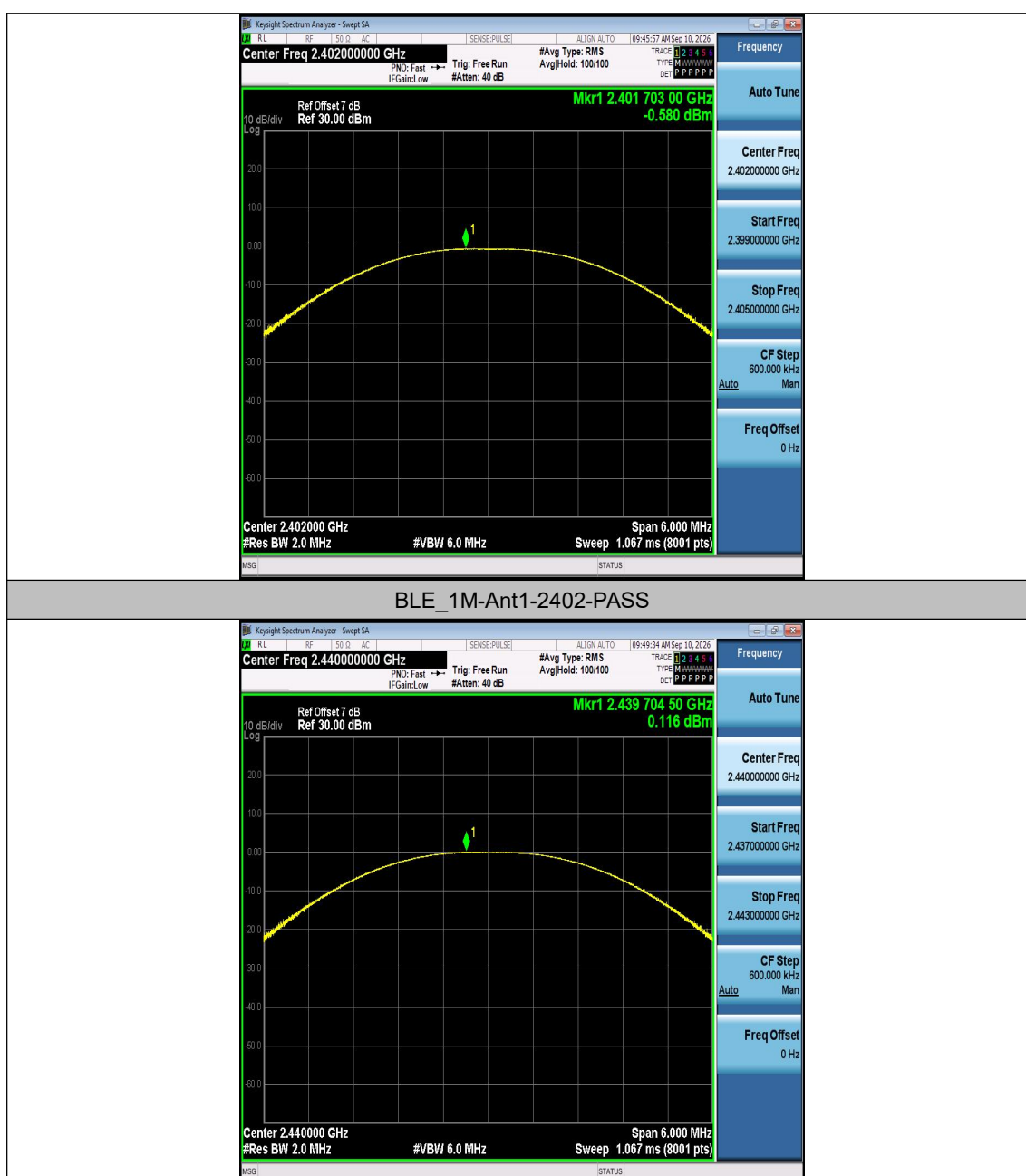
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.58	≤30	PASS
BLE_1M	Ant1	2440	0.12	≤30	PASS
BLE_1M	Ant1	2480	0.12	≤30	PASS

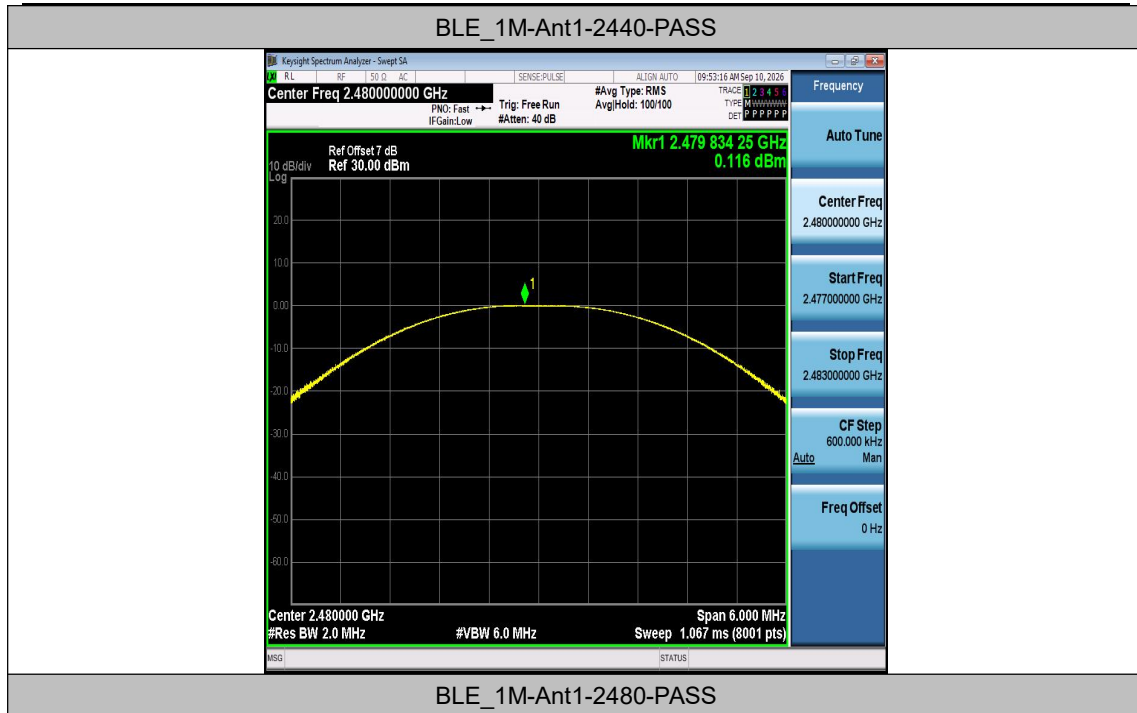
Test Graphs Peak



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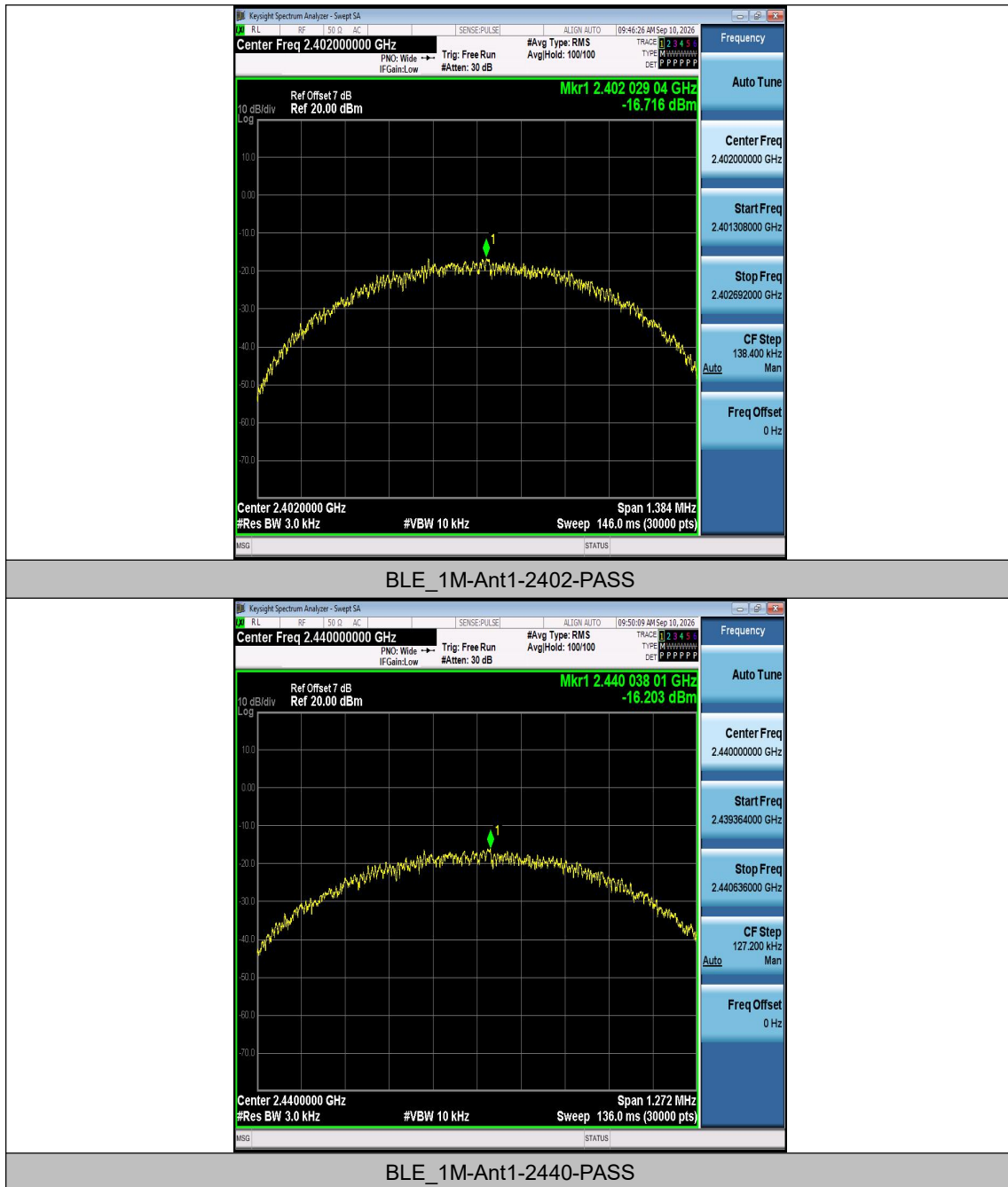
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.72	≤8.00	PASS
BLE_1M	Ant1	2440	-16.20	≤8.00	PASS
BLE_1M	Ant1	2480	-15.92	≤8.00	PASS

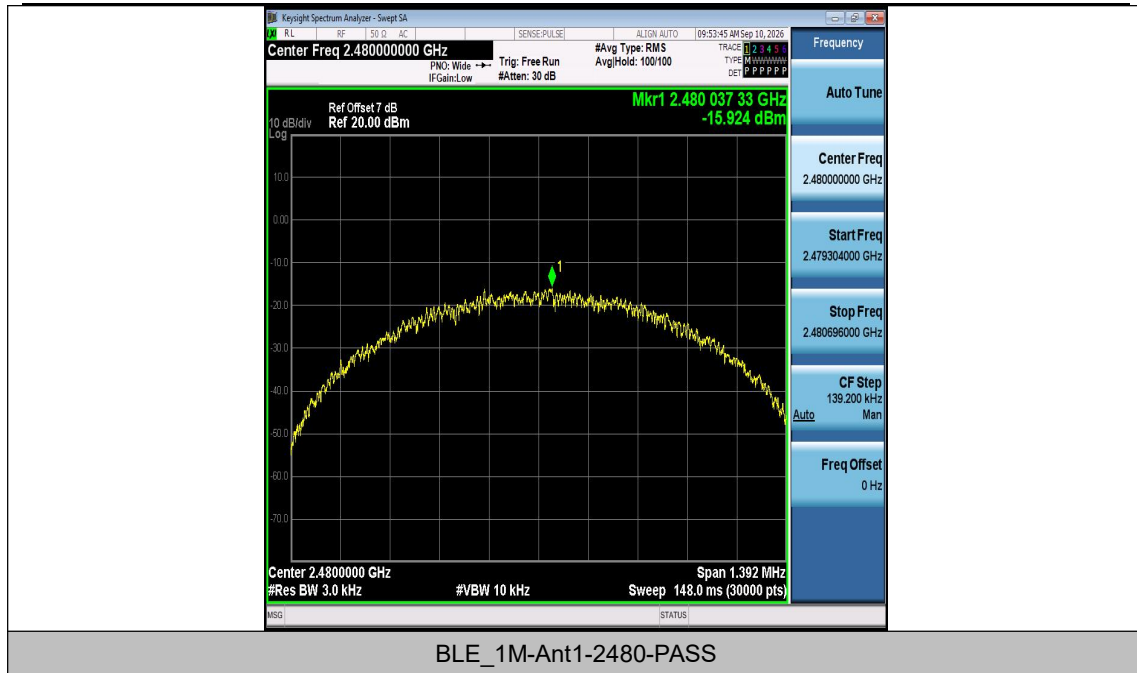
Test Graphs



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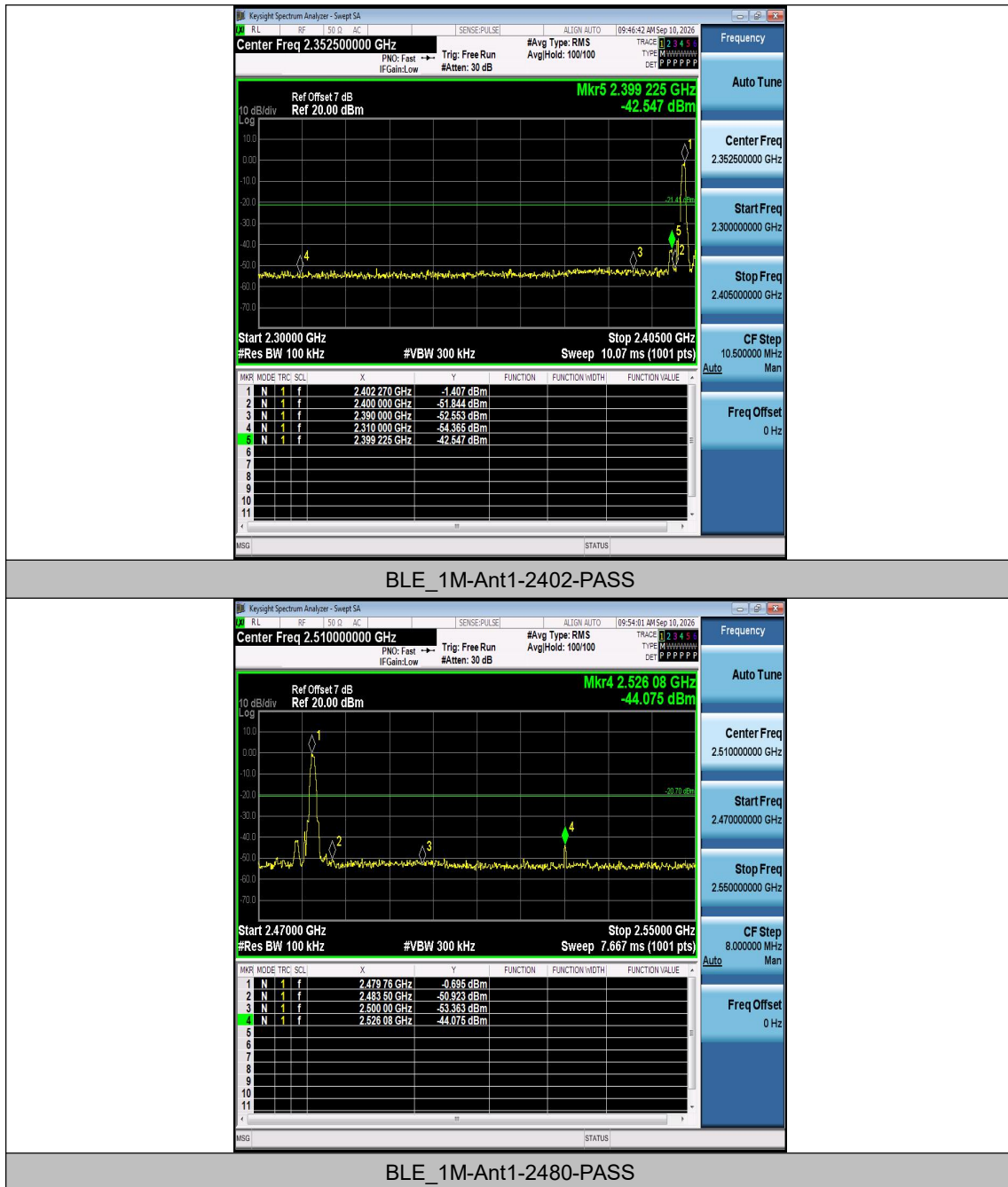
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.41	-42.55	≤ -21.41	PASS
BLE_1M	Ant1	High	2480	-0.70	-44.08	≤ -20.7	PASS

Test Graphs



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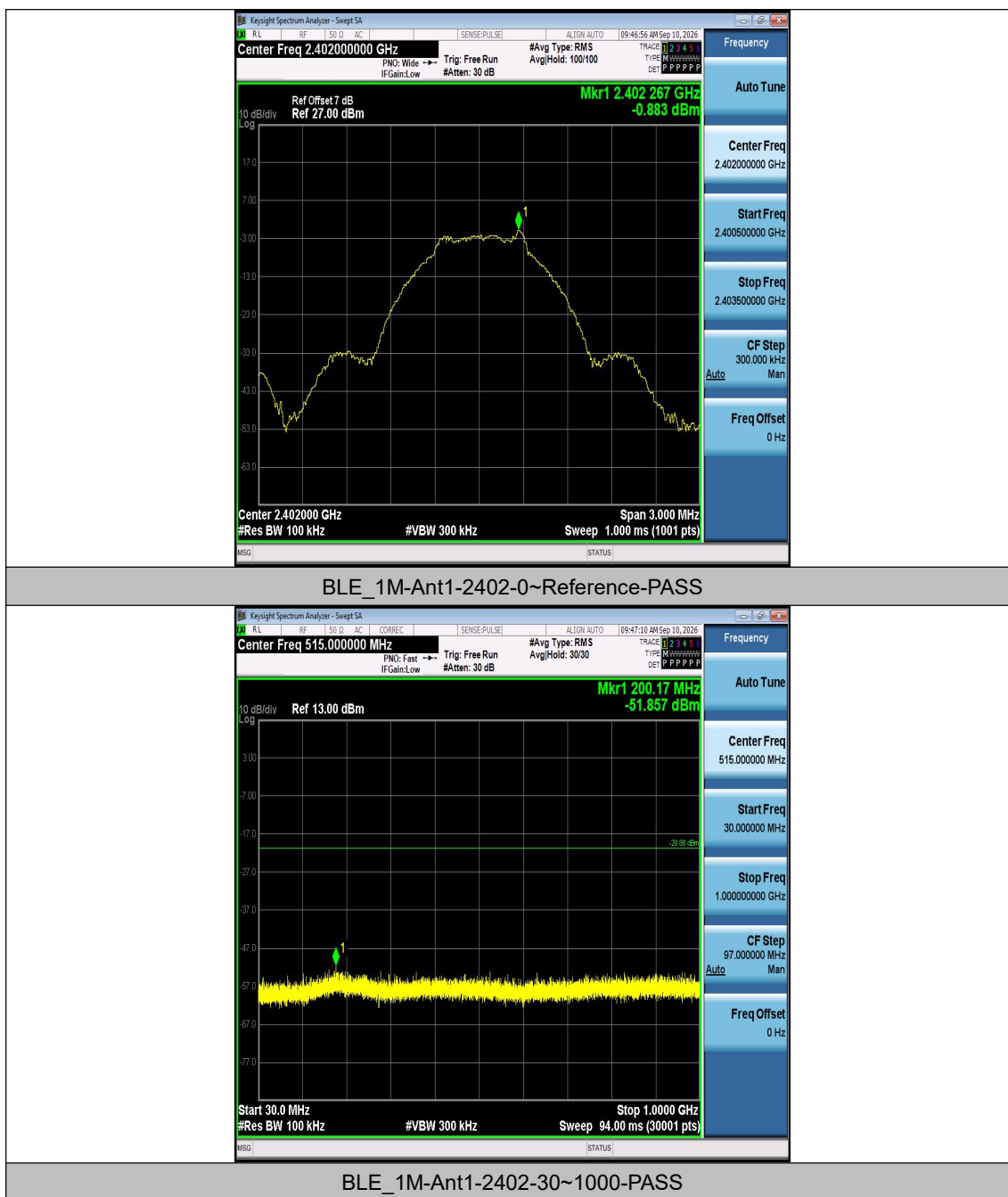
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.88	-0.88	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.88	-51.86	≤-20.88	PASS
BLE_1M	Ant1	2402	1000~26500	-0.88	-37.07	≤-20.88	PASS
BLE_1M	Ant1	2440	0~Reference	-0.24	-0.24	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.24	-52.3	≤-20.24	PASS
BLE_1M	Ant1	2440	1000~26500	-0.24	-34.98	≤-20.24	PASS
BLE_1M	Ant1	2480	0~Reference	-0.21	-0.21	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.21	-52.01	≤-20.21	PASS
BLE_1M	Ant1	2480	1000~26500	-0.21	-37.26	≤-20.21	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.

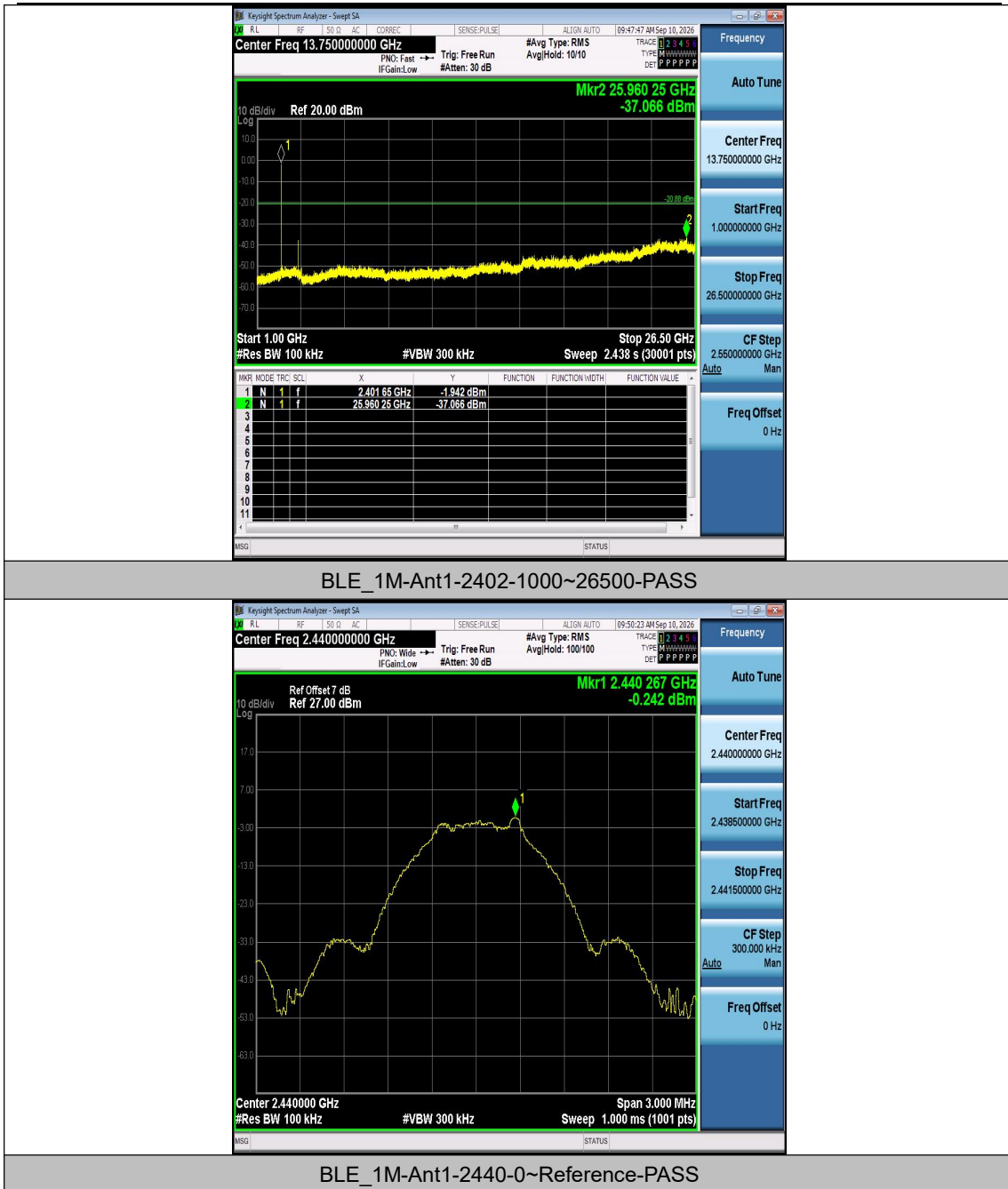
Test Graphs



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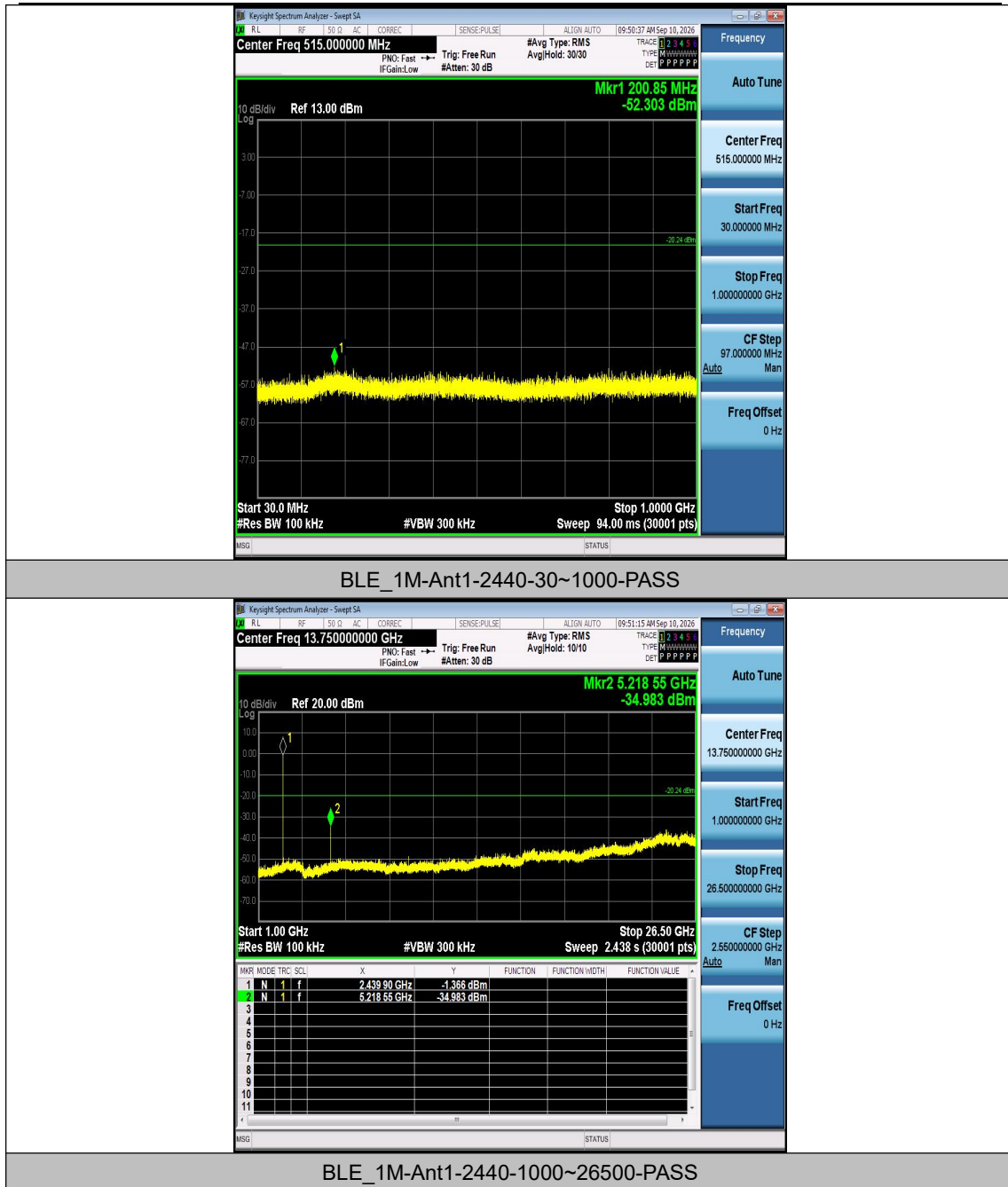
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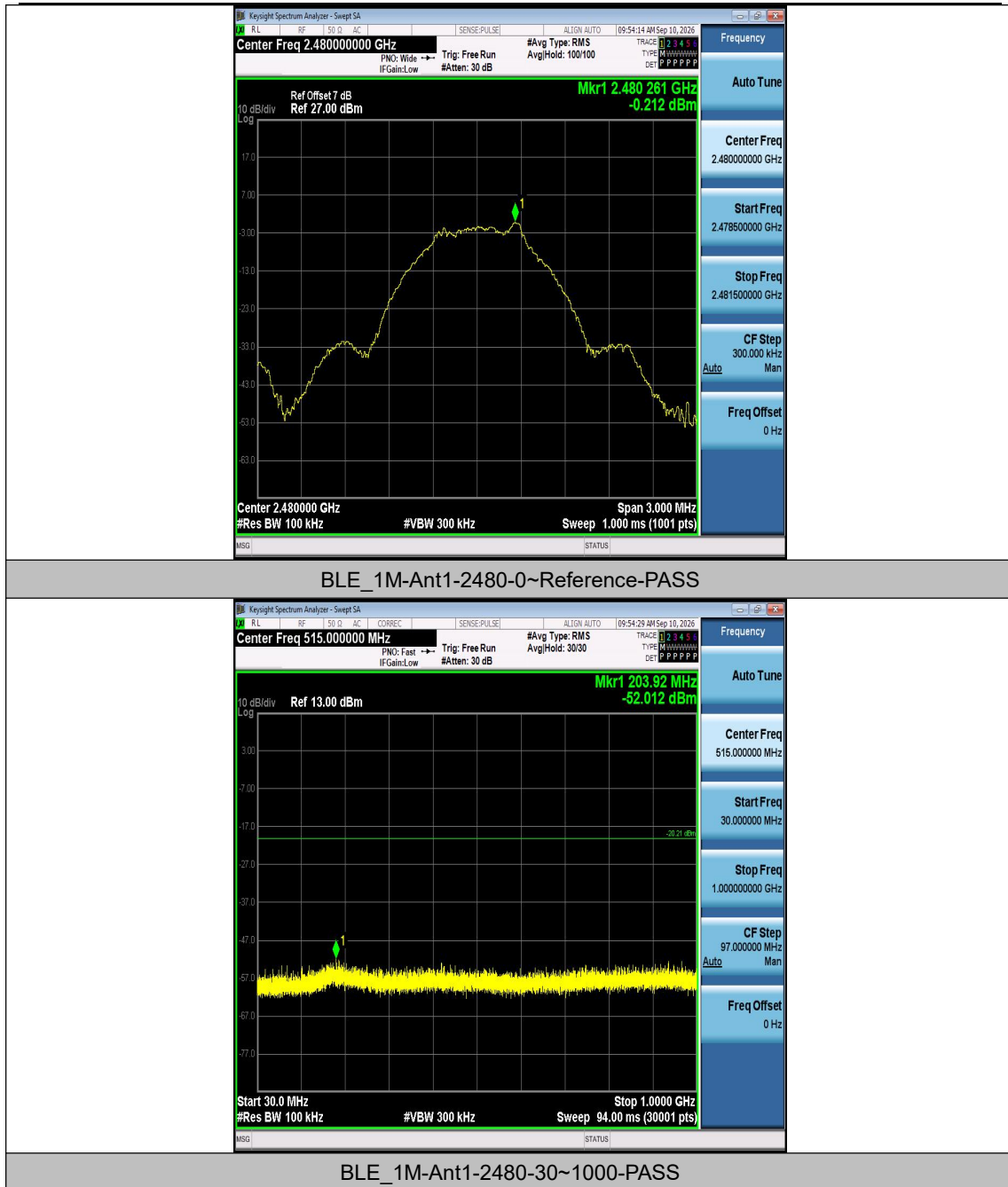
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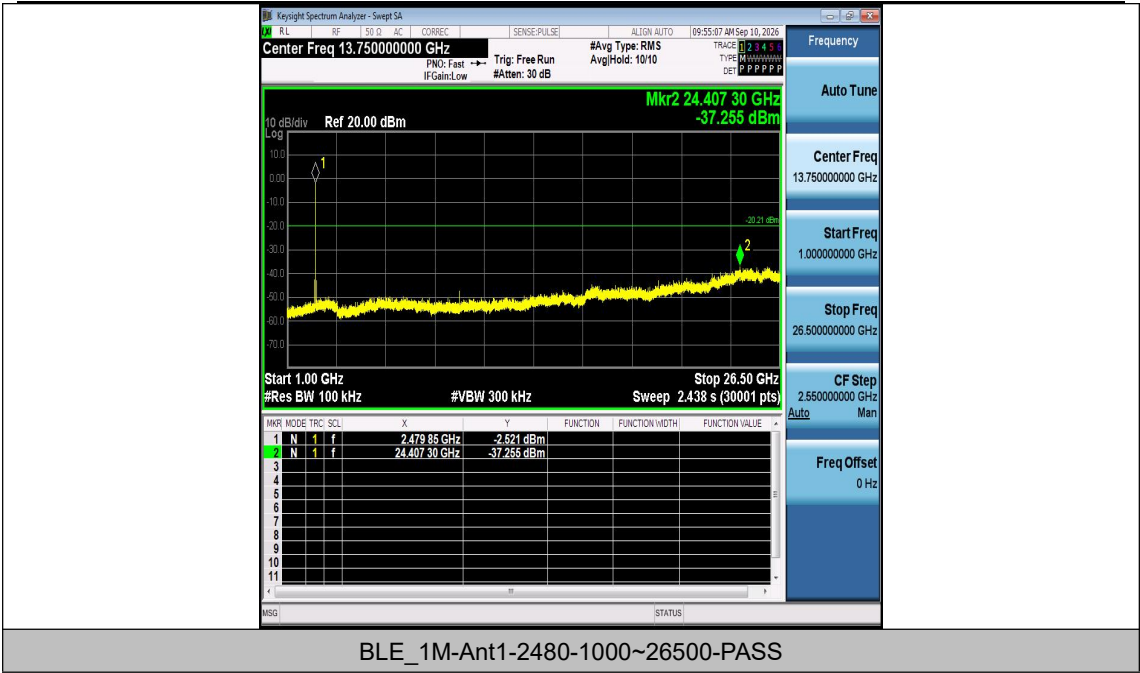
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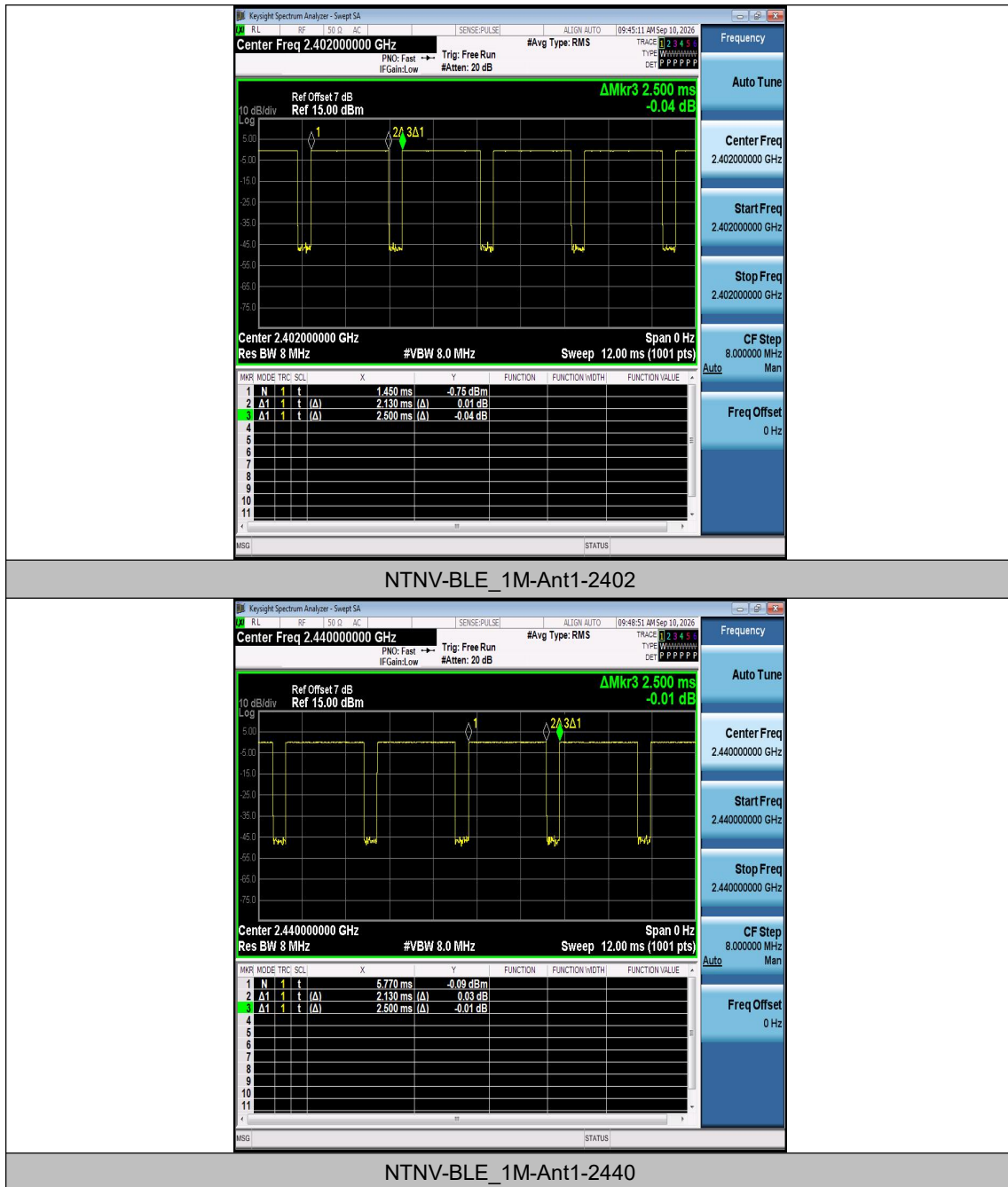
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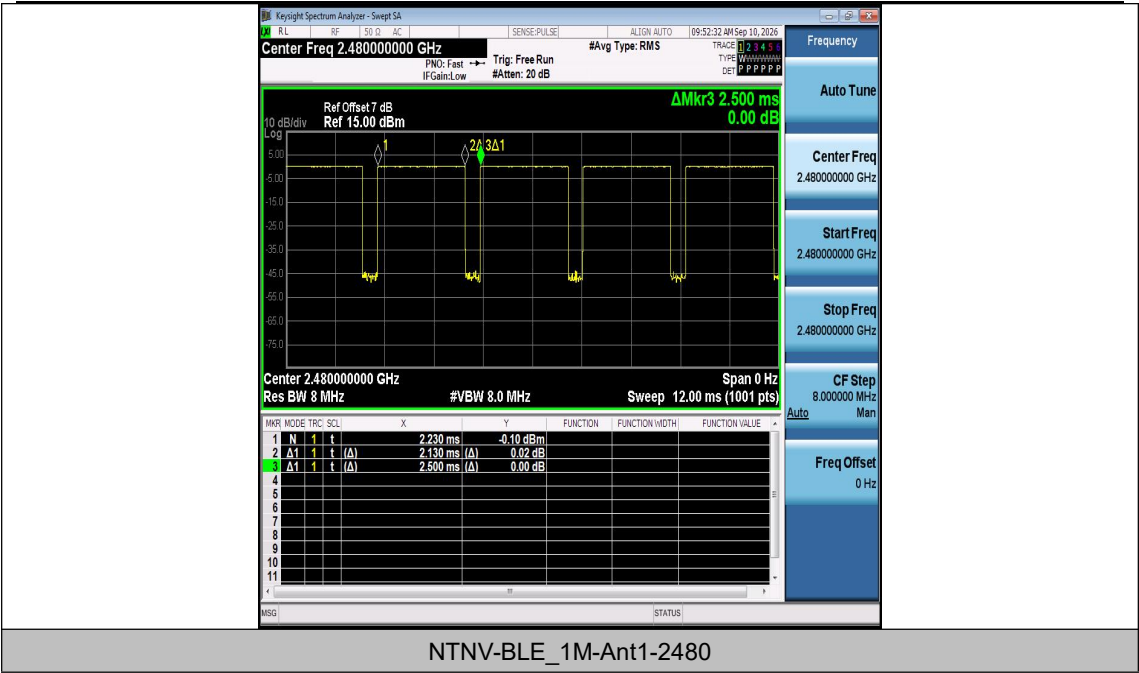
Appendix G: Duty Cycle

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	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

Test Graphs





---End---