

Appendix Test Data

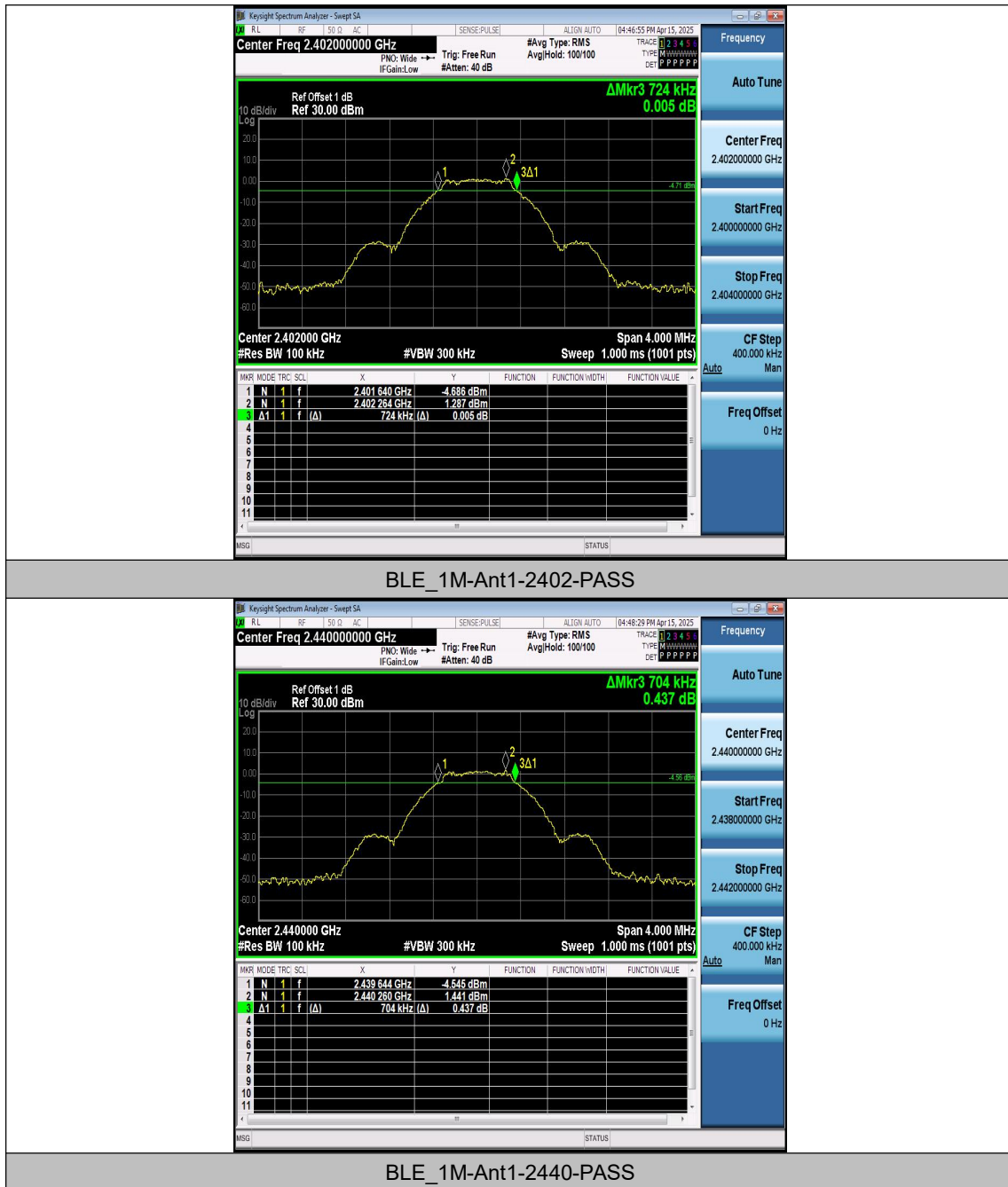
Report No.:	1812C50136912501	Test Sample No.:	1-2-2
Start Test Date:	2025.04.15	Finish Test Date:	2025.04.16
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.5°C	Relative Humidity:	40%
Pressure:	101kPa		

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	0.724	2401.640	2402.364	0.5	PASS
BLE_1M	Ant1	2440	0.704	2439.644	2440.348	0.5	PASS
BLE_1M	Ant1	2480	0.660	2479.672	2480.332	0.5	PASS

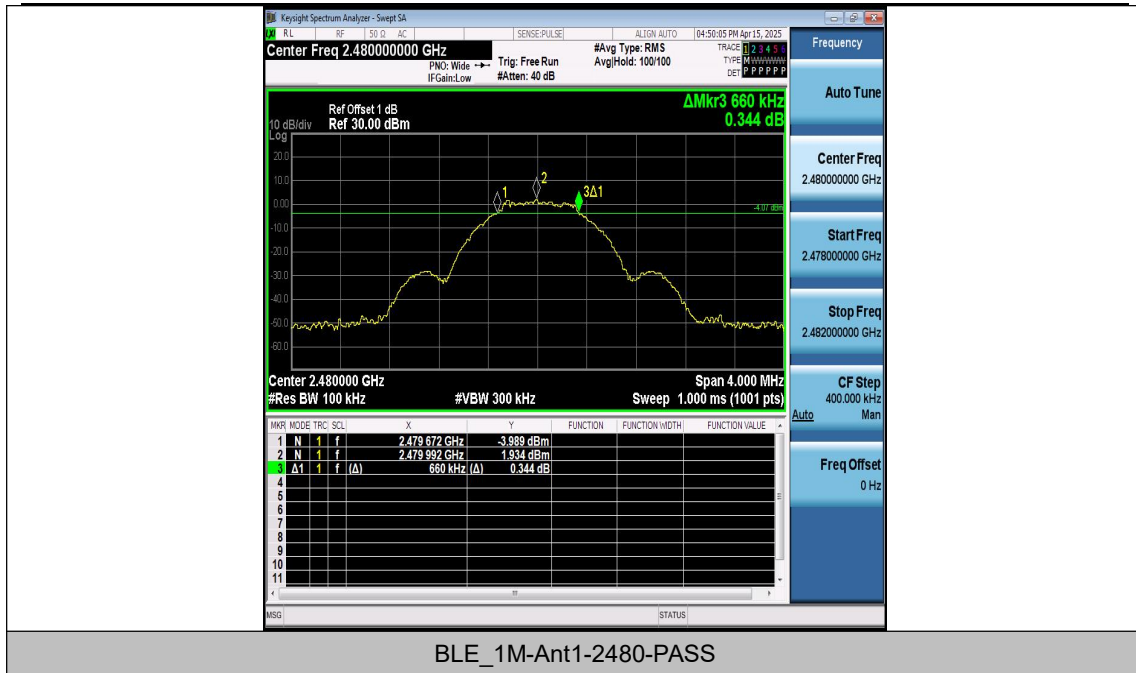
Test Graphs



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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	1.0286	2401.4898	2402.5184	---	---
BLE_1M	Ant1	2440	1.0405	2439.4887	2440.5292	---	---
BLE_1M	Ant1	2480	1.0371	2479.4903	2480.5274	---	---

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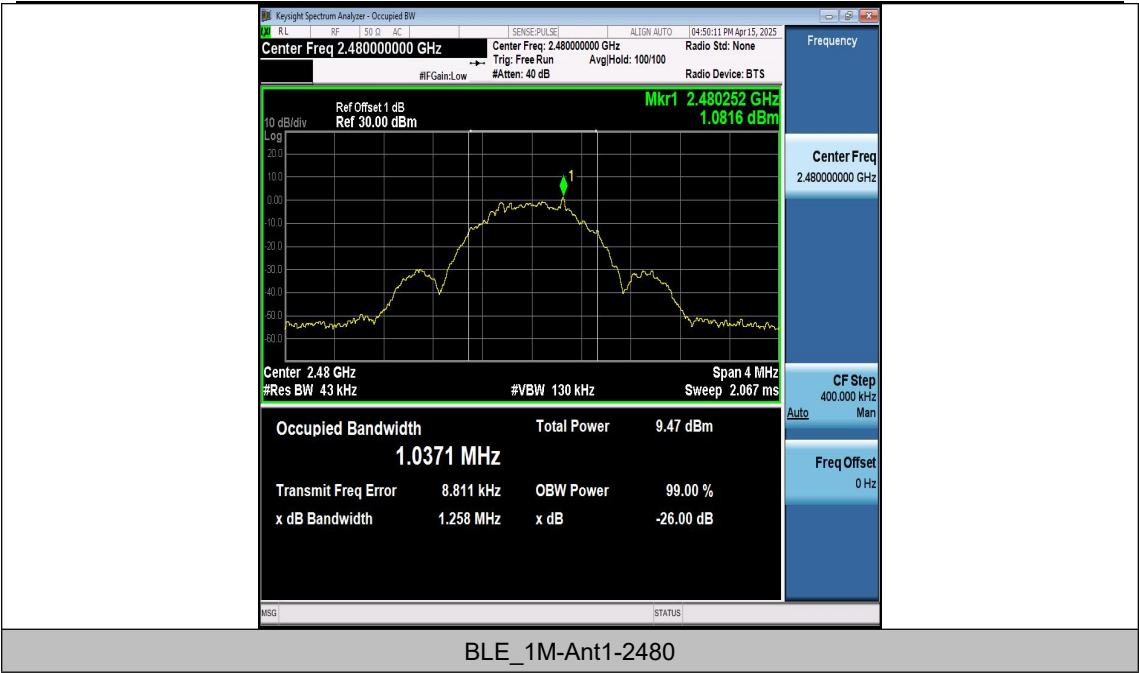
Test Graphs



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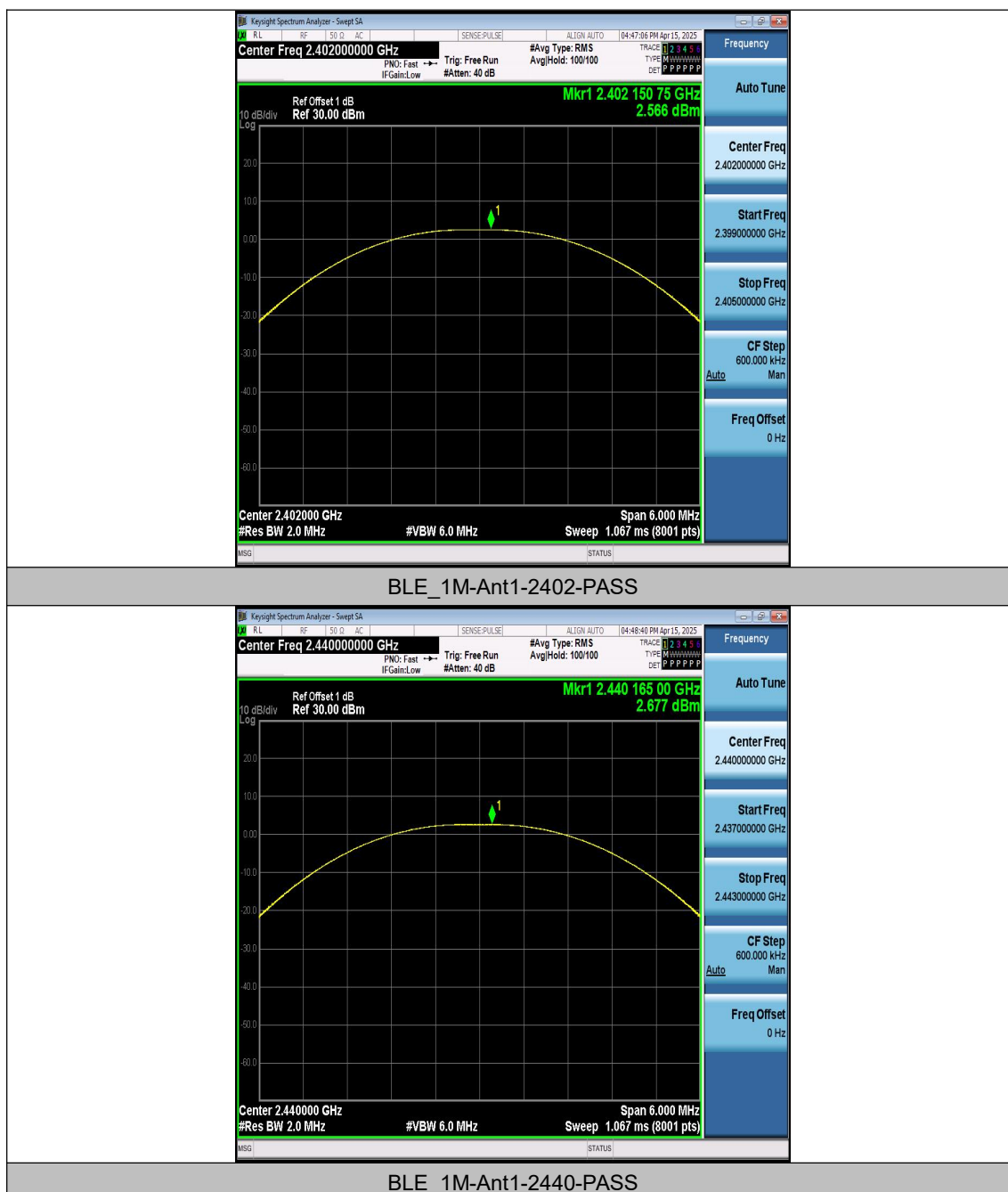
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Appendix C: Maximum conducted output power

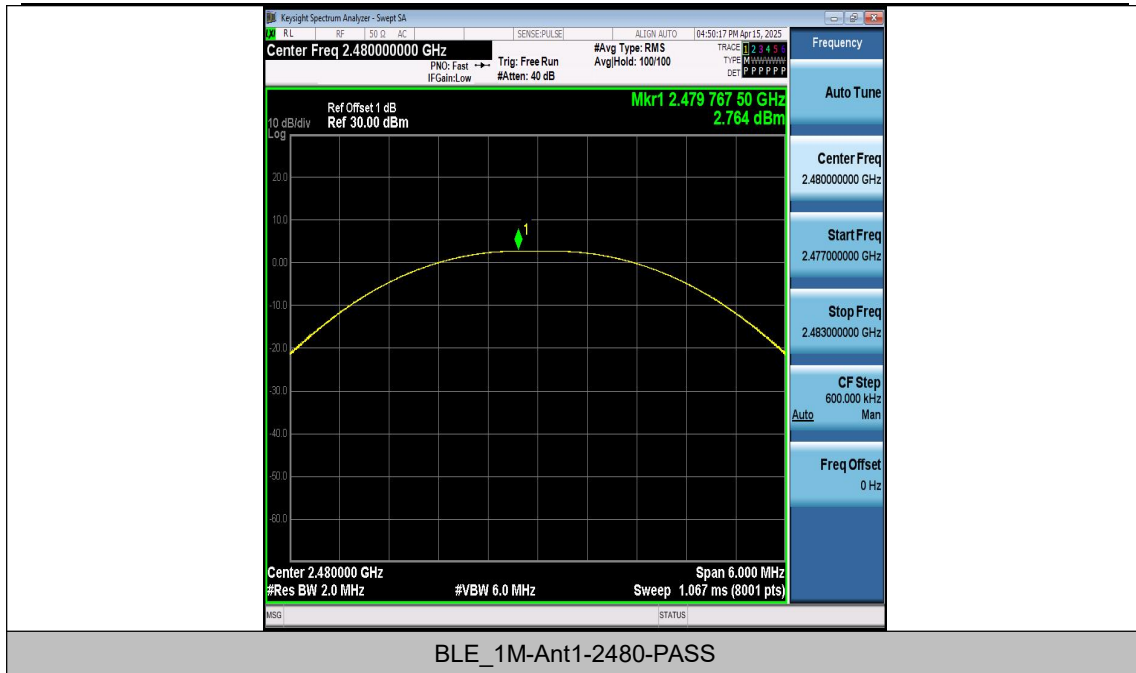
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.57	≤30	PASS
BLE_1M	Ant1	2440	2.68	≤30	PASS
BLE_1M	Ant1	2480	2.76	≤30	PASS

Test Graphs Peak



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Appendix D: Maximum power spectral density

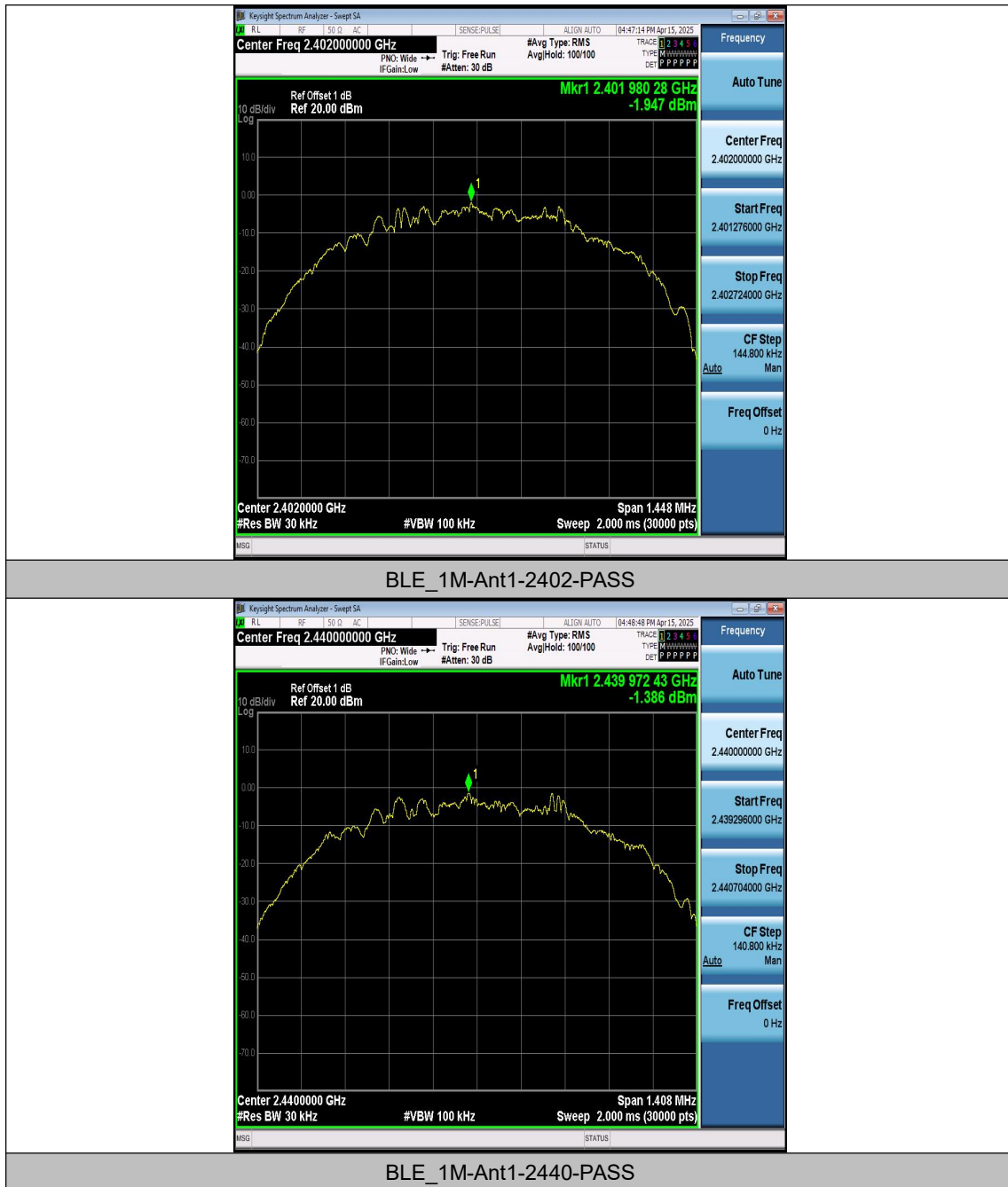
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-1.95	≤8.00	PASS
BLE_1M	Ant1	2440	-1.39	≤8.00	PASS
BLE_1M	Ant1	2480	-1.27	≤8.00	PASS

Note:PSD(dBm/3kHz)= PSD(dBm/30kHz)- (10*log(30/3)).



Test Graphs



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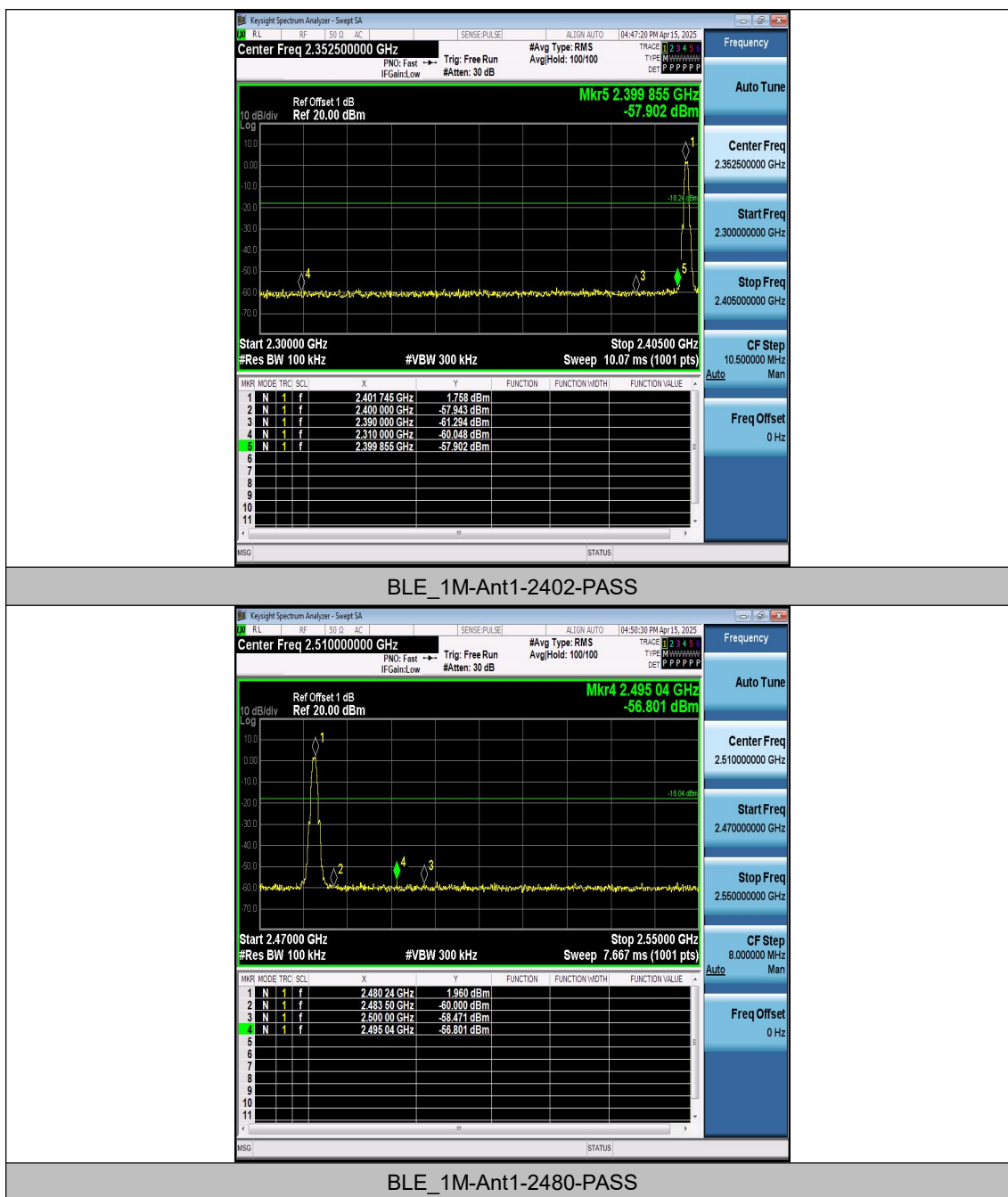
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.76	-57.9	≤-18.24	PASS
BLE_1M	Ant1	High	2480	1.96	-56.8	≤-18.04	PASS



Test Graphs



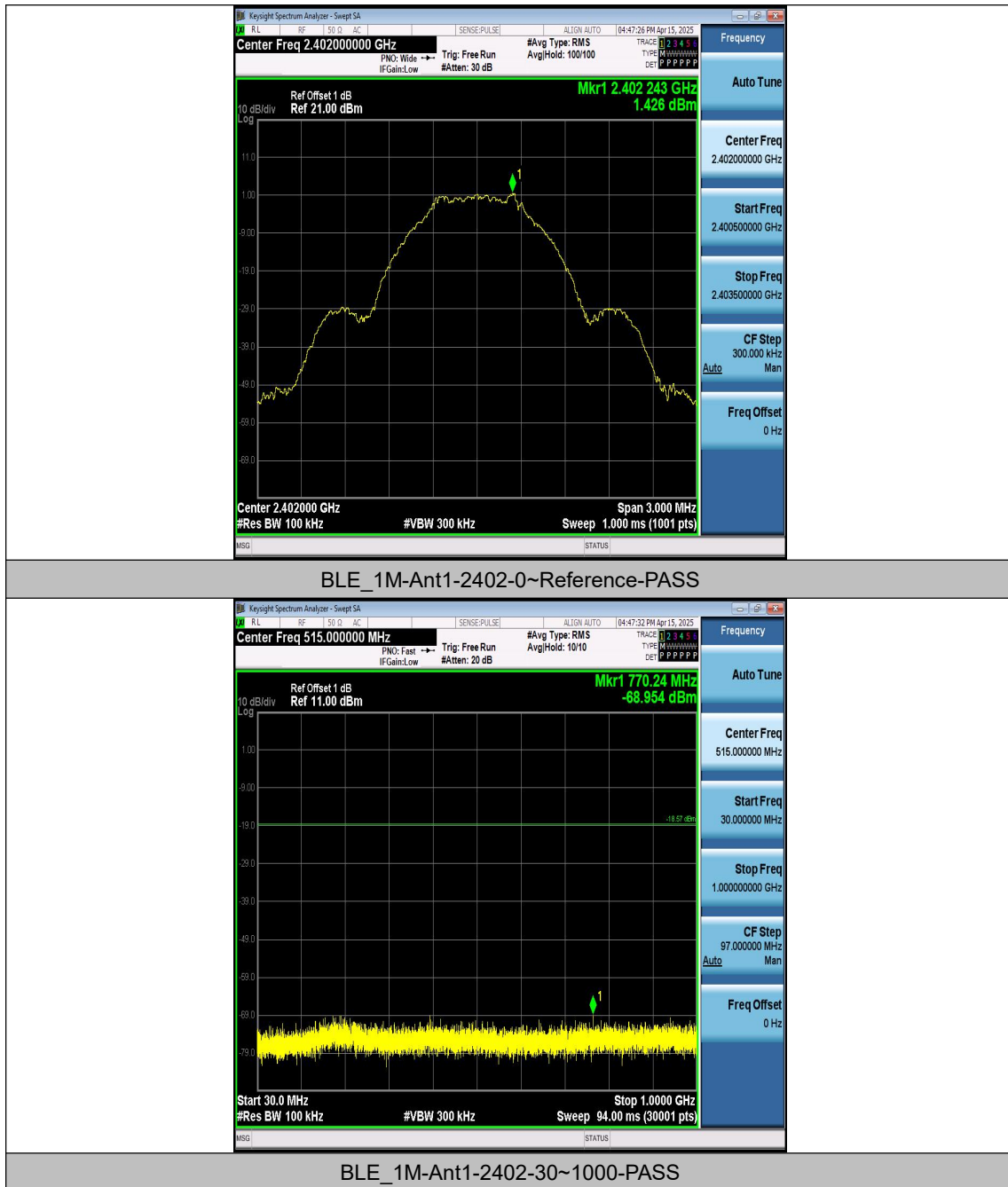
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.43	1.43	---	PASS
BLE_1M	Ant1	2402	30~1000	1.43	-68.95	≤-18.57	PASS
BLE_1M	Ant1	2402	1000~26500	1.43	-53.38	≤-18.57	PASS
BLE_1M	Ant1	2440	0~Reference	1.89	1.89	---	PASS
BLE_1M	Ant1	2440	30~1000	1.89	-68.81	≤-18.11	PASS
BLE_1M	Ant1	2440	1000~26500	1.89	-53.43	≤-18.11	PASS
BLE_1M	Ant1	2480	0~Reference	1.56	1.56	---	PASS
BLE_1M	Ant1	2480	30~1000	1.56	-68.02	≤-18.44	PASS
BLE_1M	Ant1	2480	1000~26500	1.56	-53.88	≤-18.44	PASS



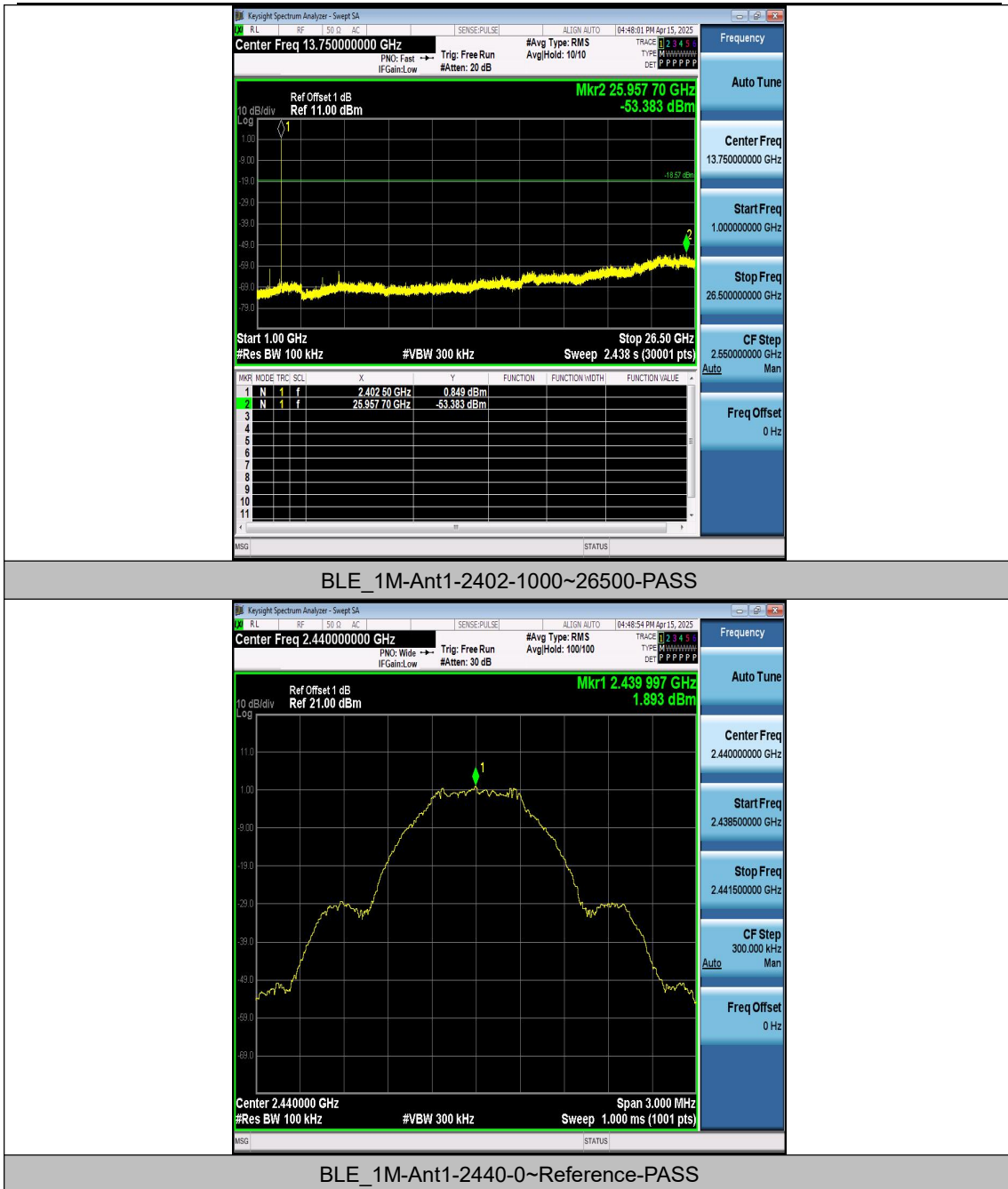
Test Graphs



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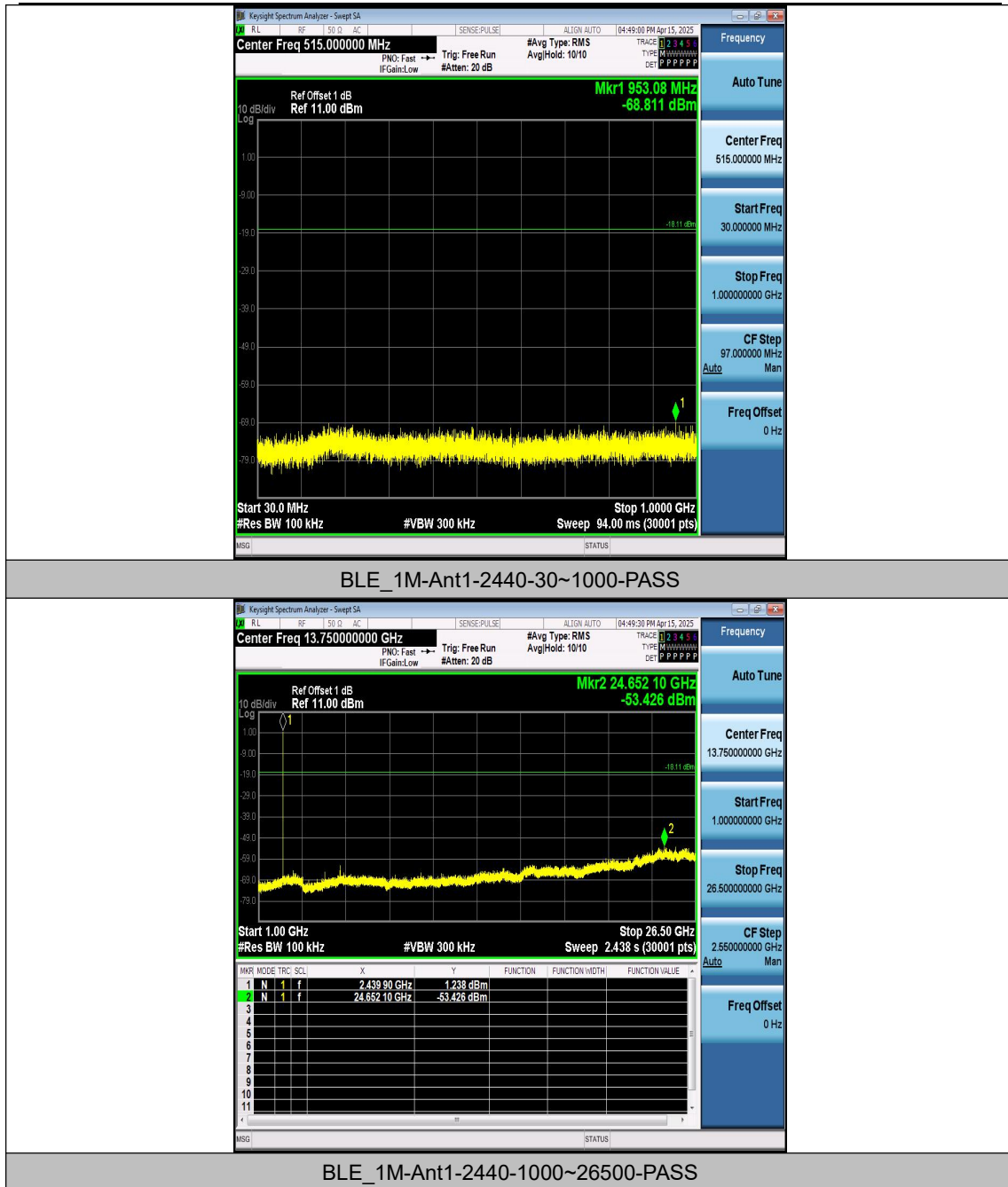


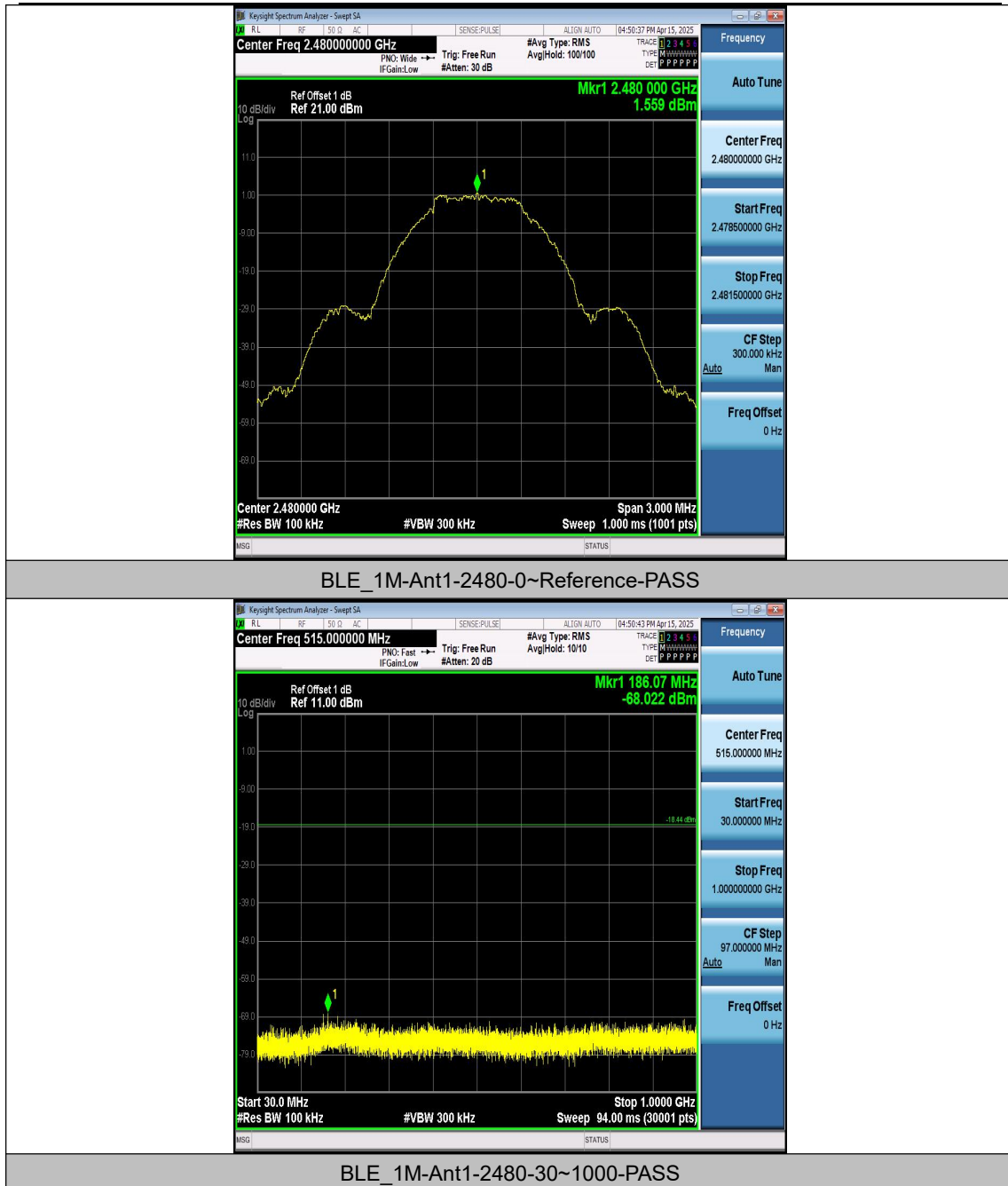
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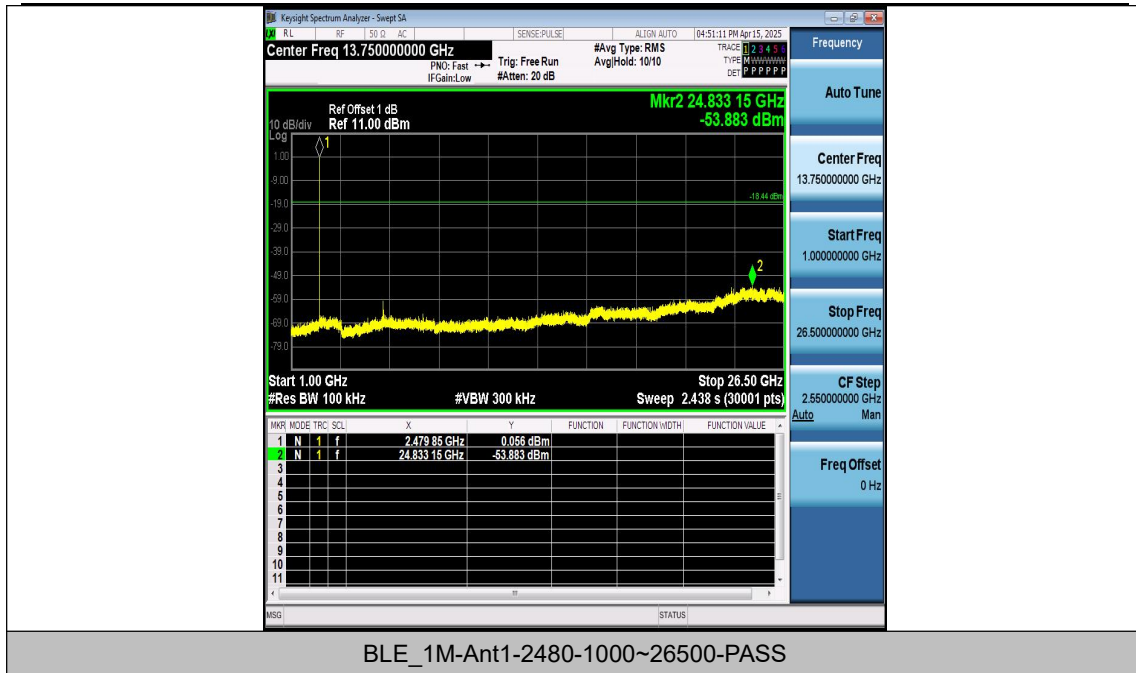




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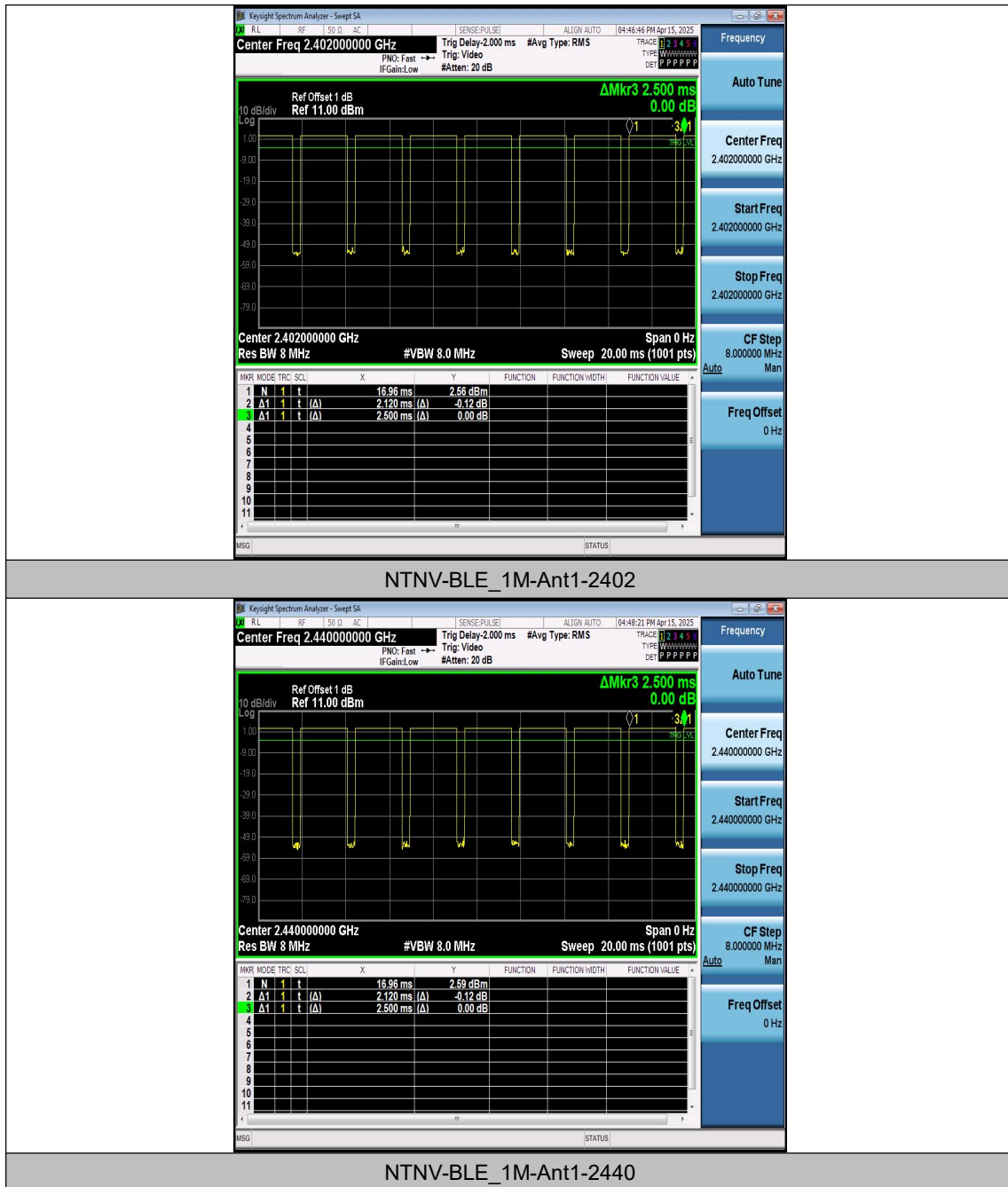
Appendix G: Duty Cycle

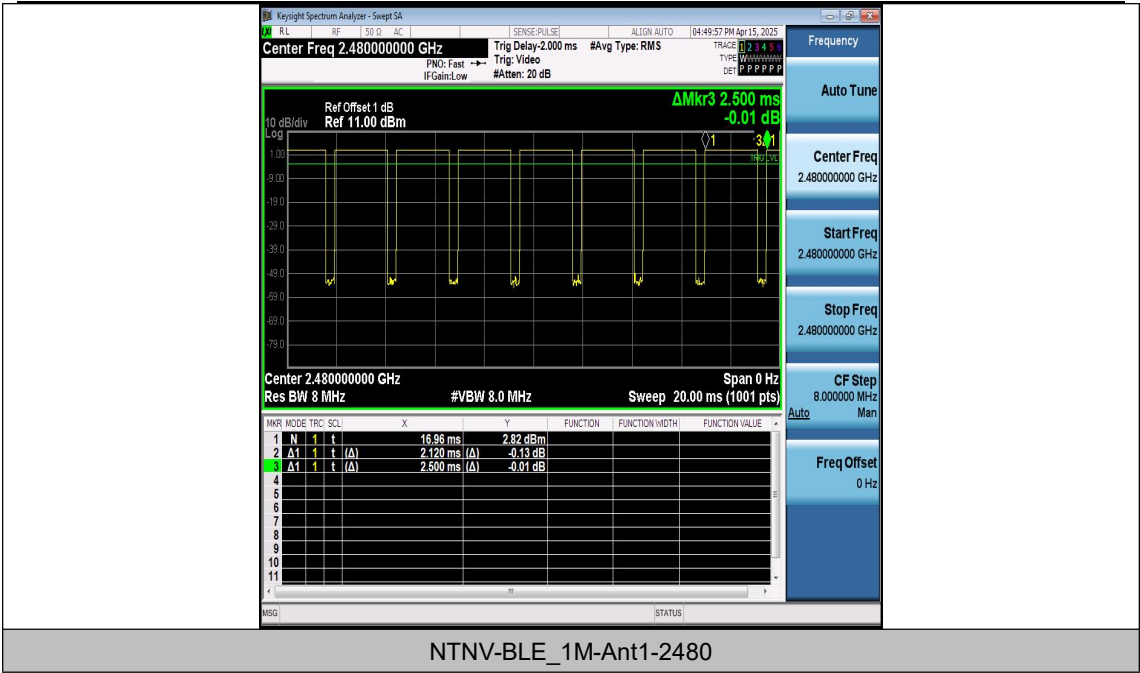
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2440	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2480	2.12	2.50	84.80	0.72



Test Graphs





---End---