

Appendix Test Data

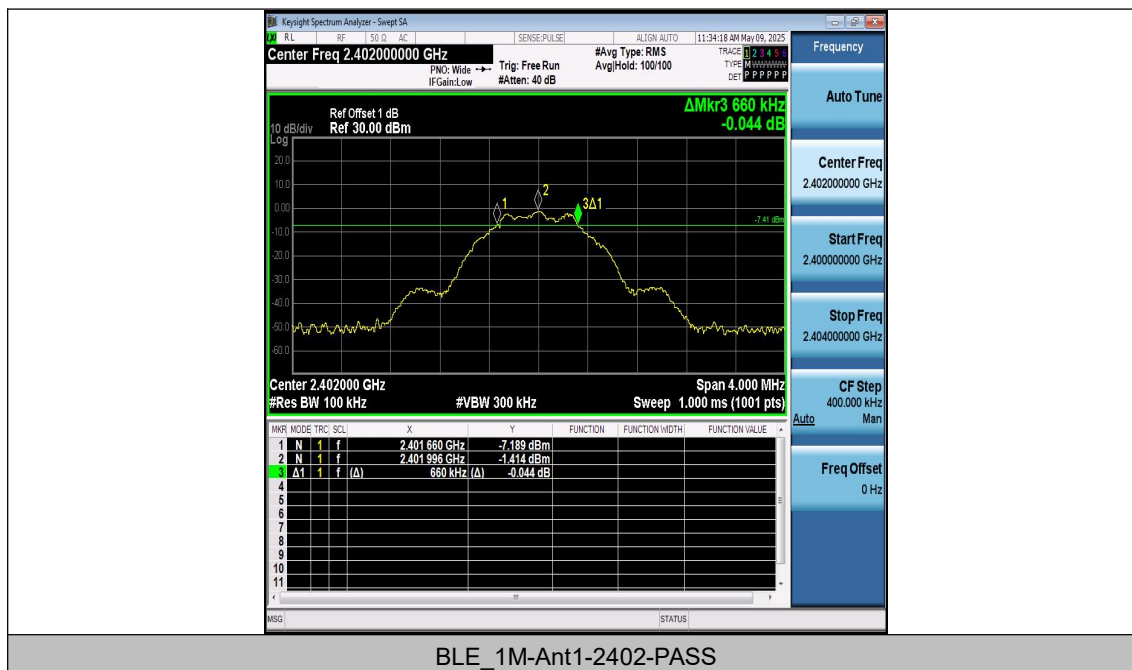
Report No.:	1812C50128312501	Test Sample No.:	1-2-2
Start Test Date:	2025-05-09	Finish Test Date:	2025-05-09
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.5°C	Relative Humidity:	52%
Pressure:	101kPa		

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	0.660	2401.660	2402.320	0.5	PASS
BLE_1M	Ant1	2440	0.640	2439.672	2440.312	0.5	PASS
BLE_1M	Ant1	2480	0.644	2479.676	2480.320	0.5	PASS

Test Graphs



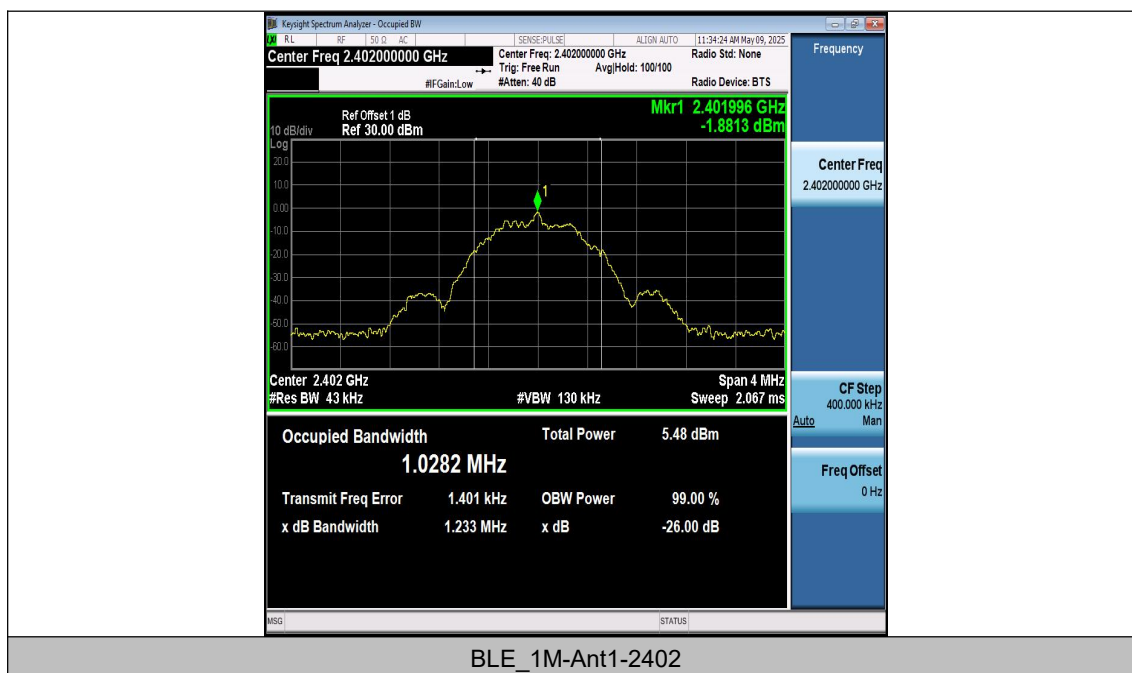


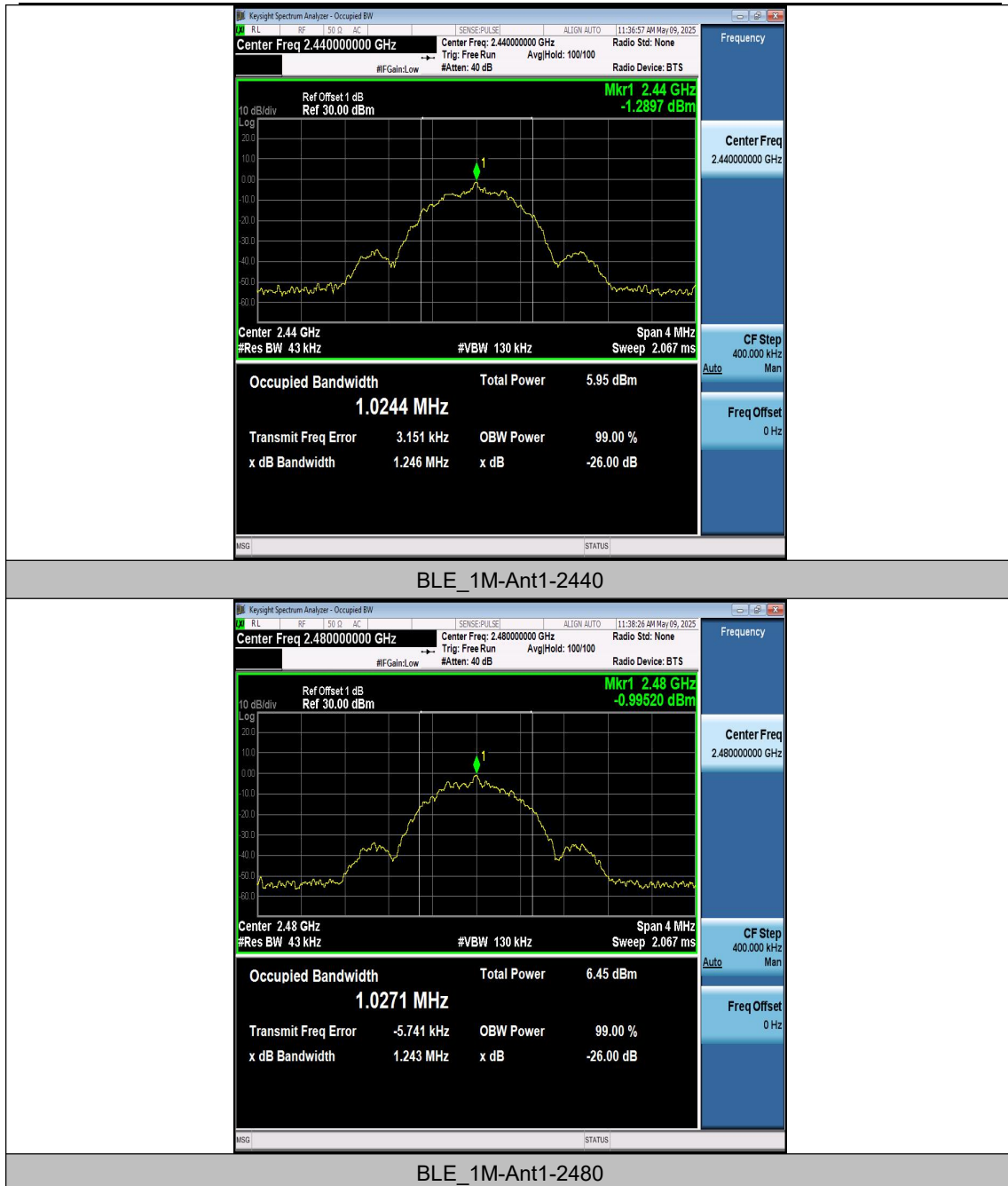
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0282	2401.4873	2402.5155	---	---
BLE_1M	Ant1	2440	1.0244	2439.4910	2440.5154	---	---
BLE_1M	Ant1	2480	1.0271	2479.4807	2480.5078	---	---

Test Graphs





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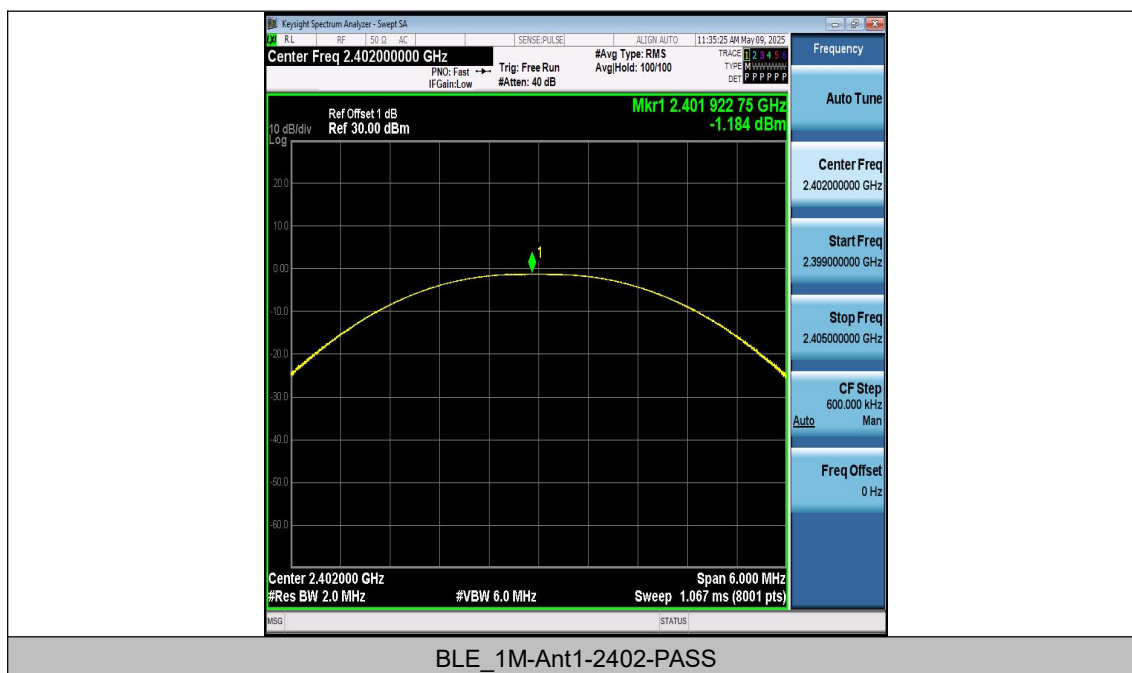
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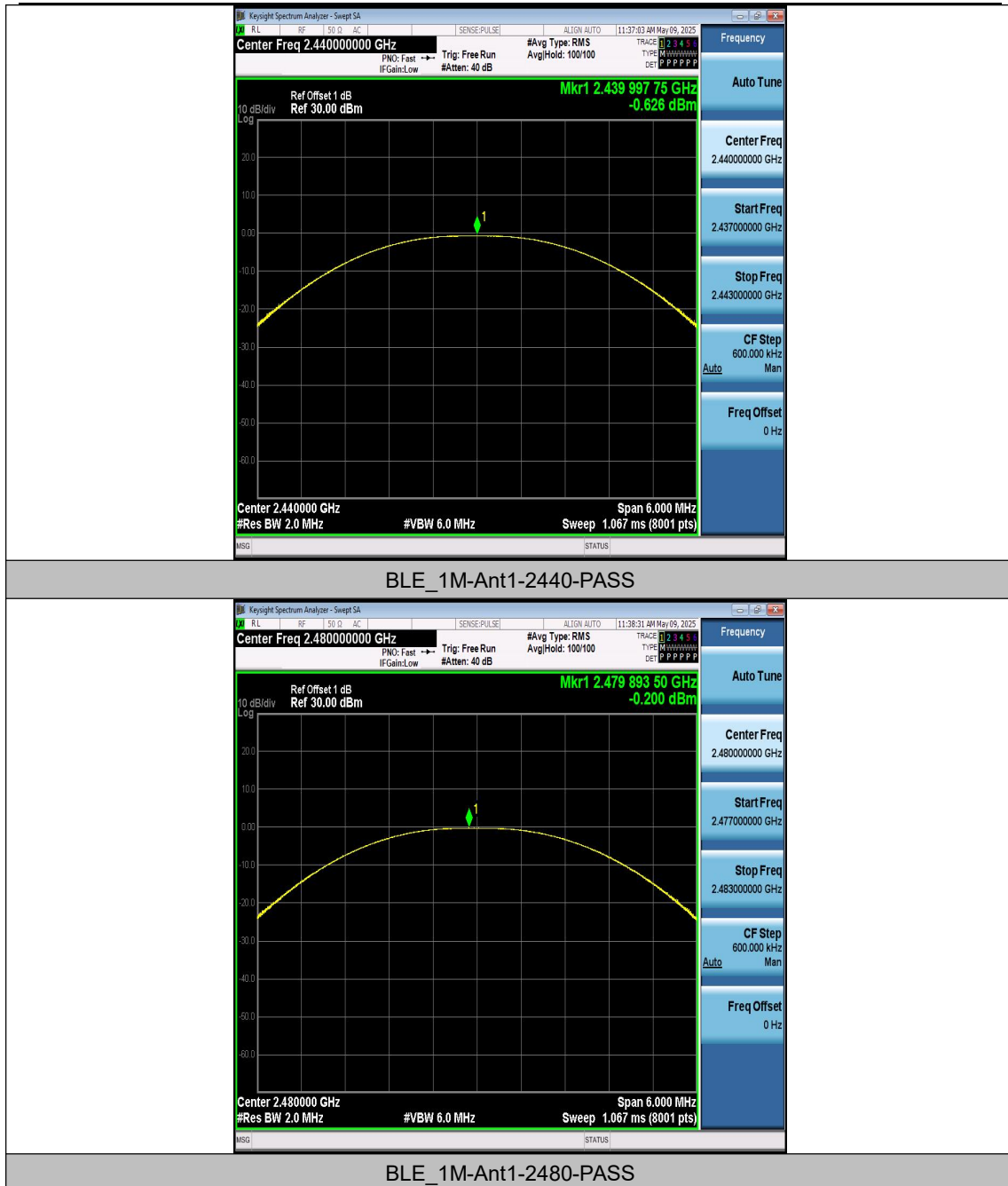
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.18	≤30	PASS
BLE_1M	Ant1	2440	-0.63	≤30	PASS
BLE_1M	Ant1	2480	-0.20	≤30	PASS

Test Graphs Peak





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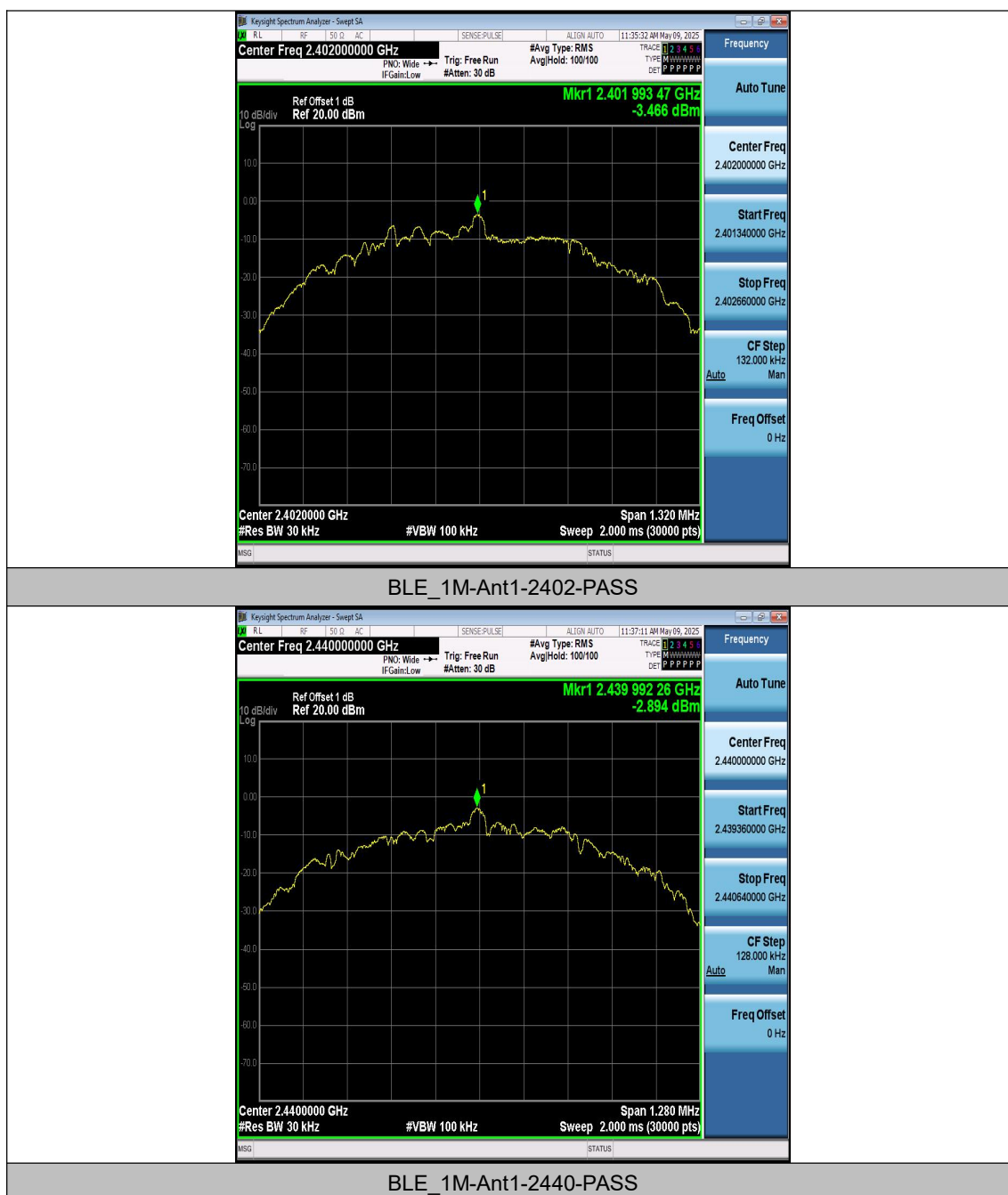
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-3.47	≤8.00	PASS
BLE_1M	Ant1	2440	-2.89	≤8.00	PASS
BLE_1M	Ant1	2480	-2.62	≤8.00	PASS

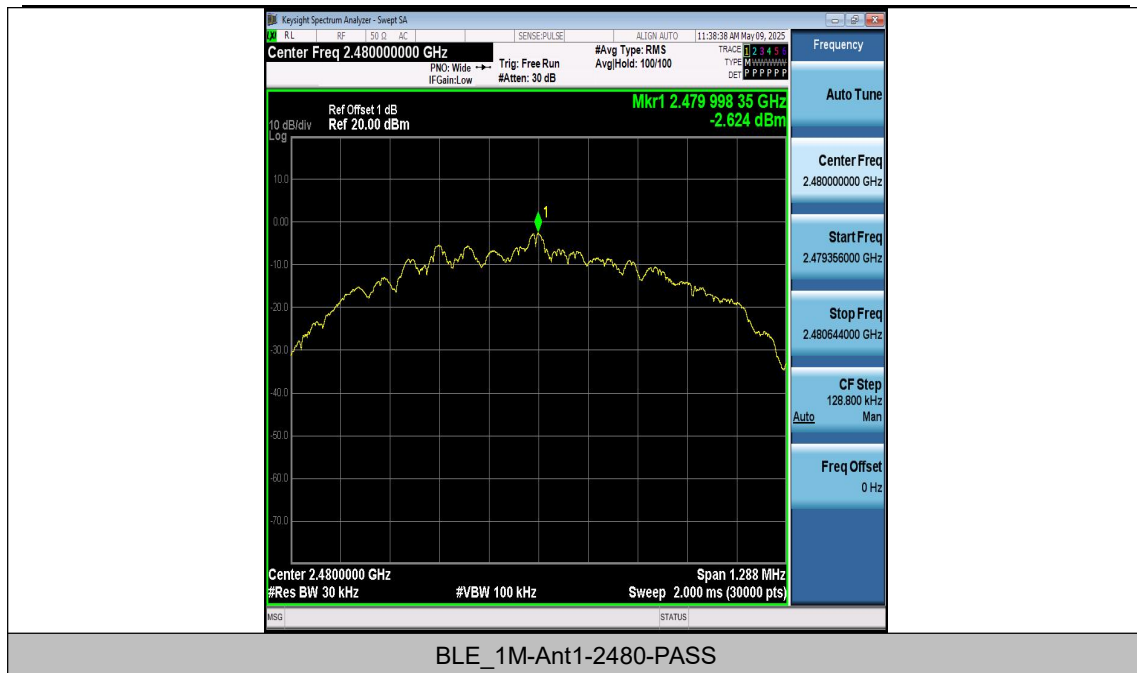
Test Graphs



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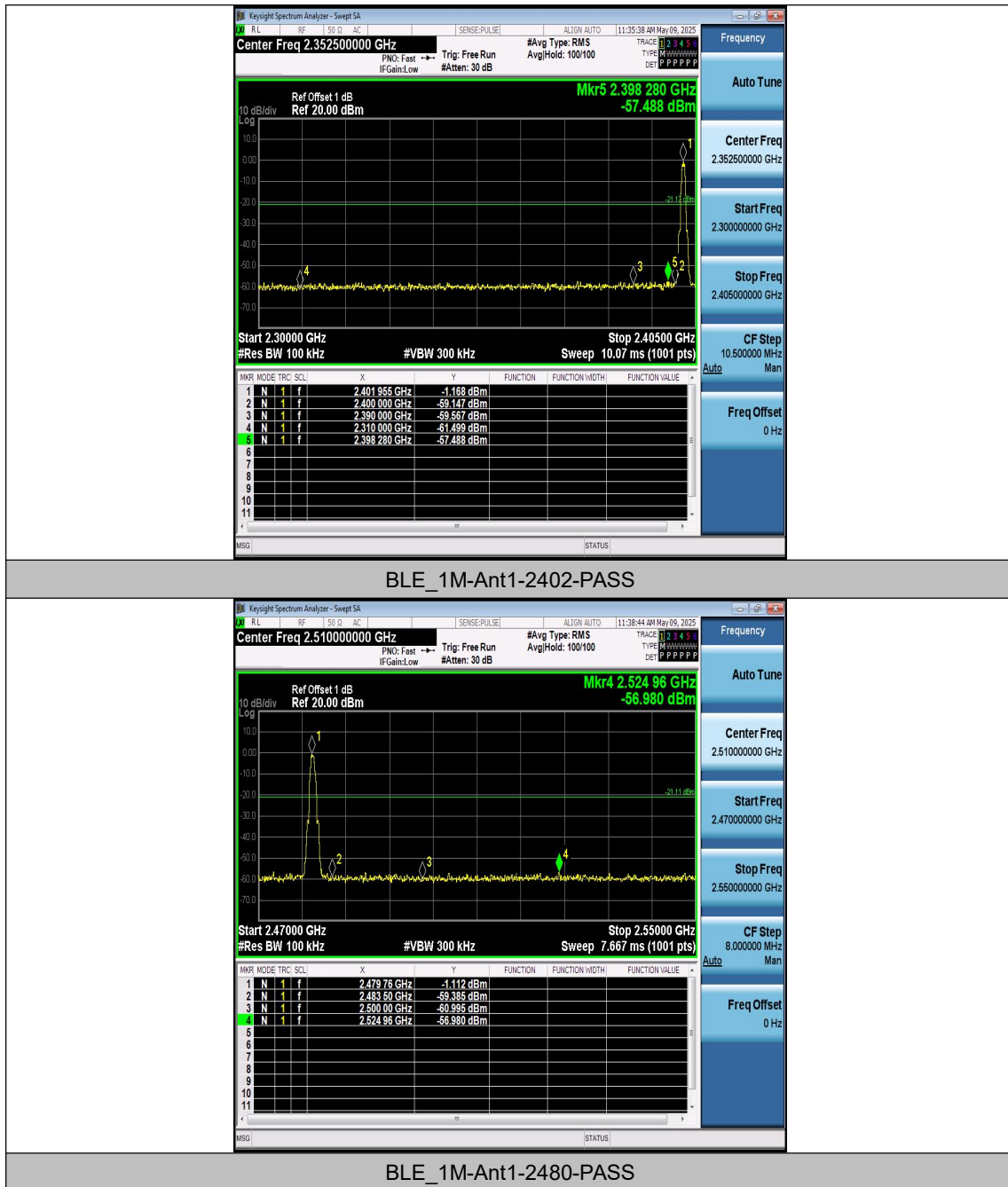
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.17	-57.49	≤-21.17	PASS
BLE_1M	Ant1	High	2480	-1.11	-56.98	≤-21.11	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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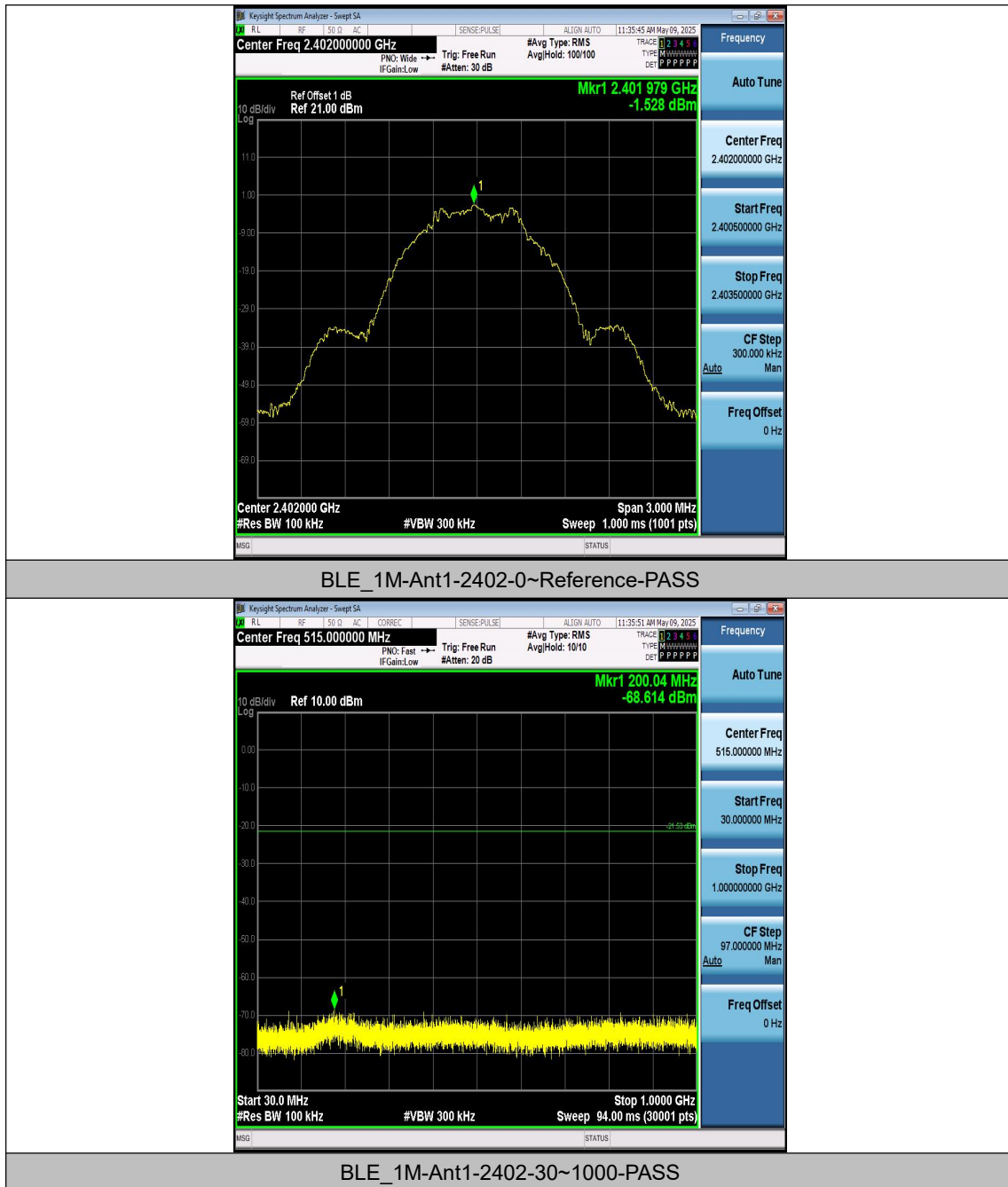
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.53	-1.53	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.53	-68.61	≤-21.53	PASS
BLE_1M	Ant1	2402	1000~26500	-1.53	-53.61	≤-21.53	PASS
BLE_1M	Ant1	2440	0~Reference	-1.21	-1.21	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.21	-67.94	≤-21.21	PASS
BLE_1M	Ant1	2440	1000~26500	-1.21	-53.49	≤-21.21	PASS
BLE_1M	Ant1	2480	0~Reference	-0.45	-0.45	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.45	-68.38	≤-20.45	PASS
BLE_1M	Ant1	2480	1000~26500	-0.45	-53.44	≤-20.45	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.

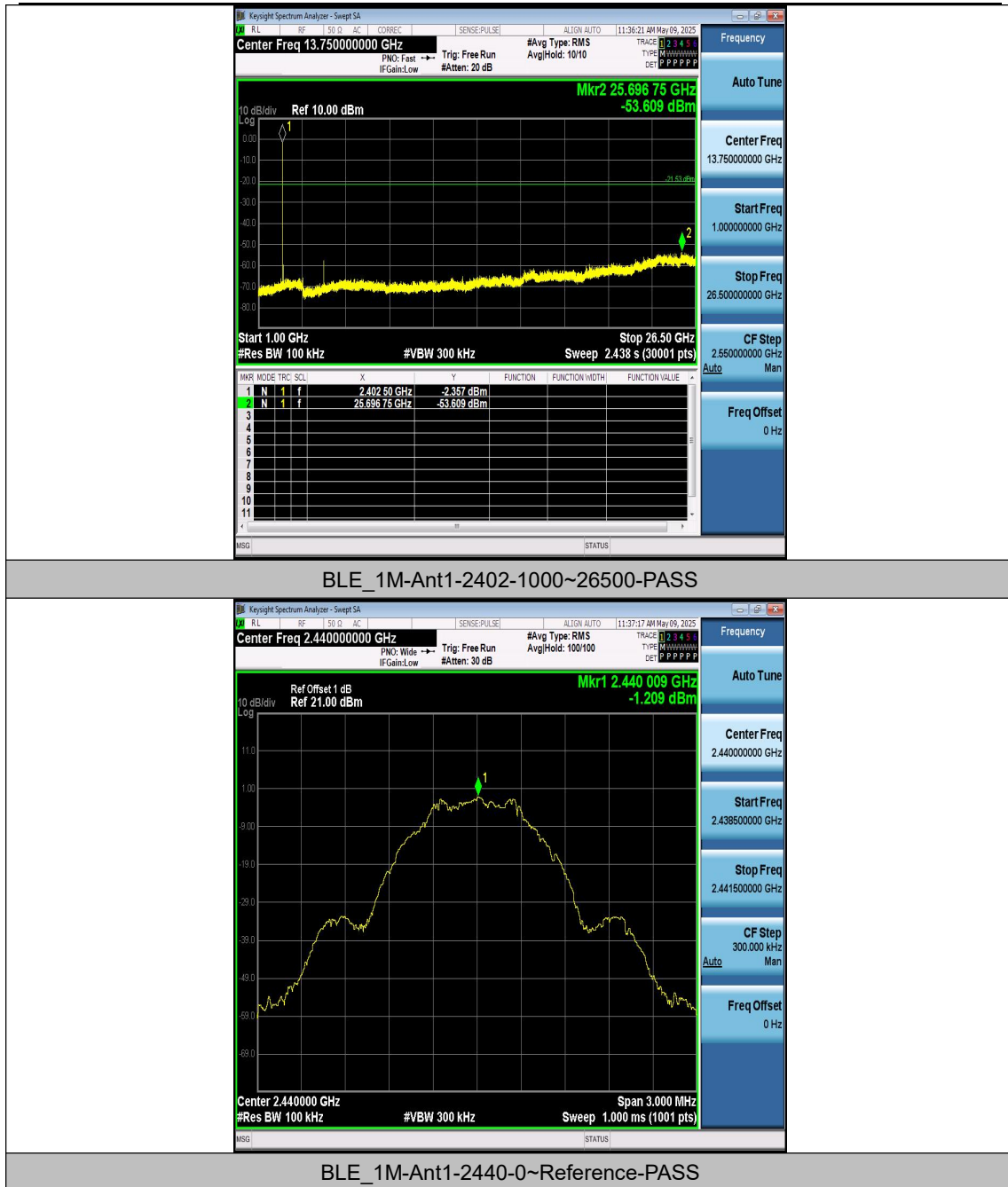
Test Graphs



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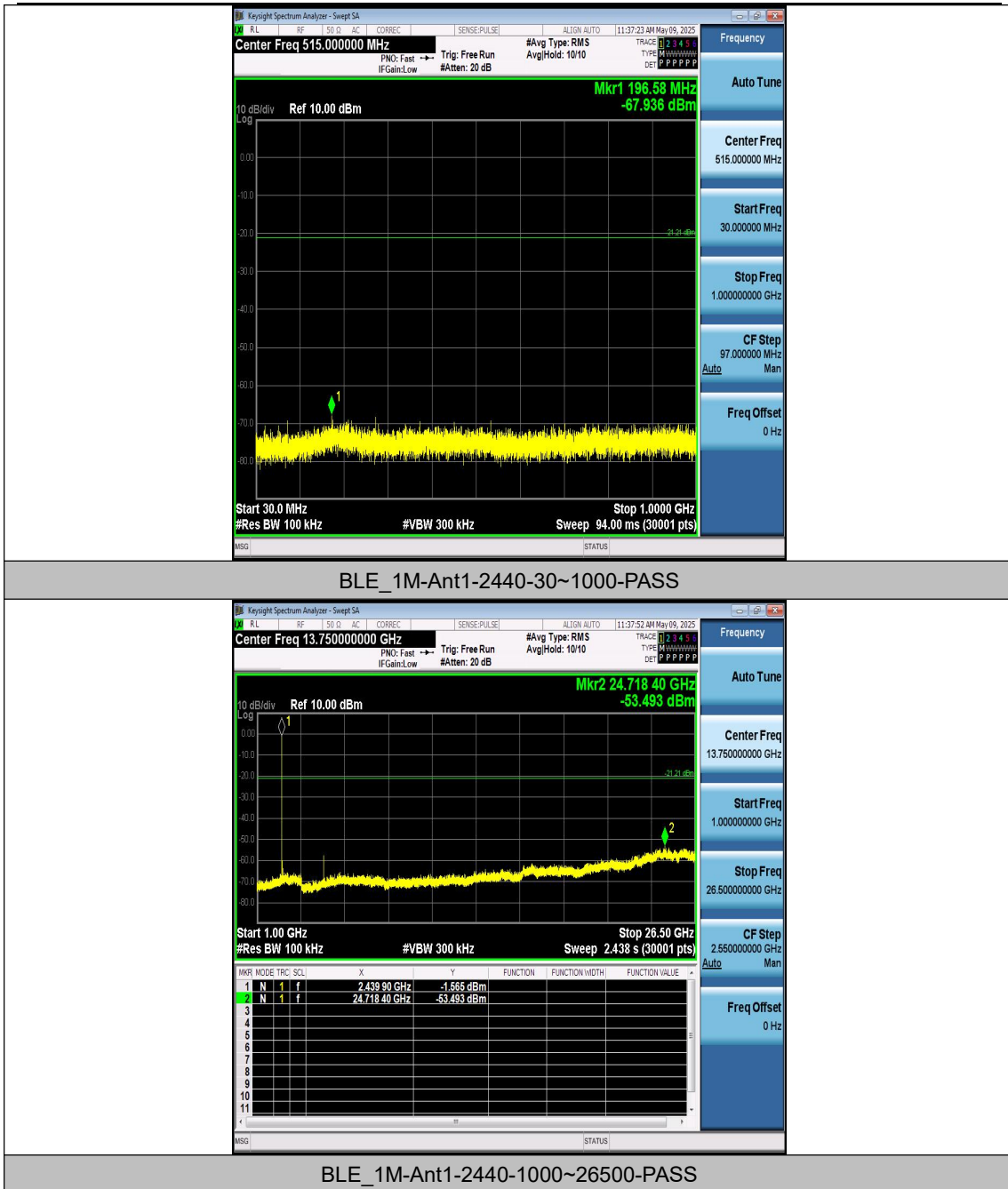
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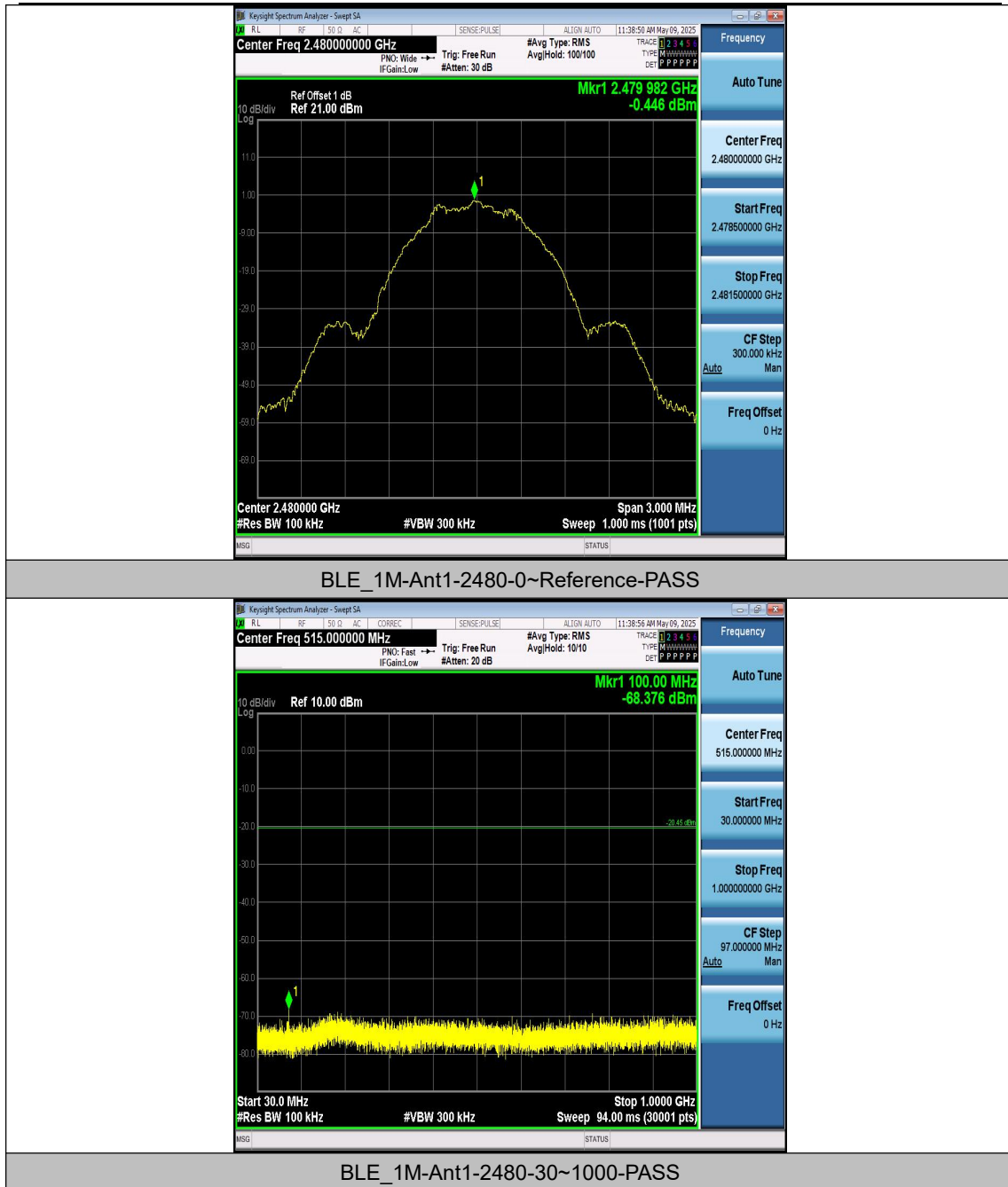
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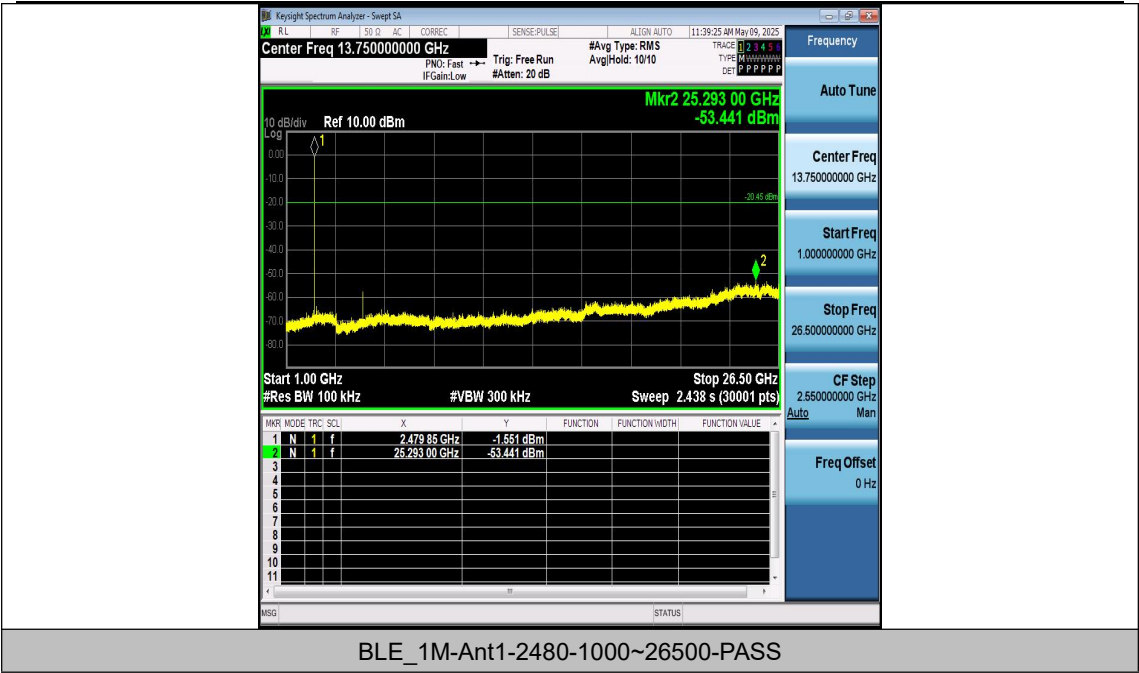
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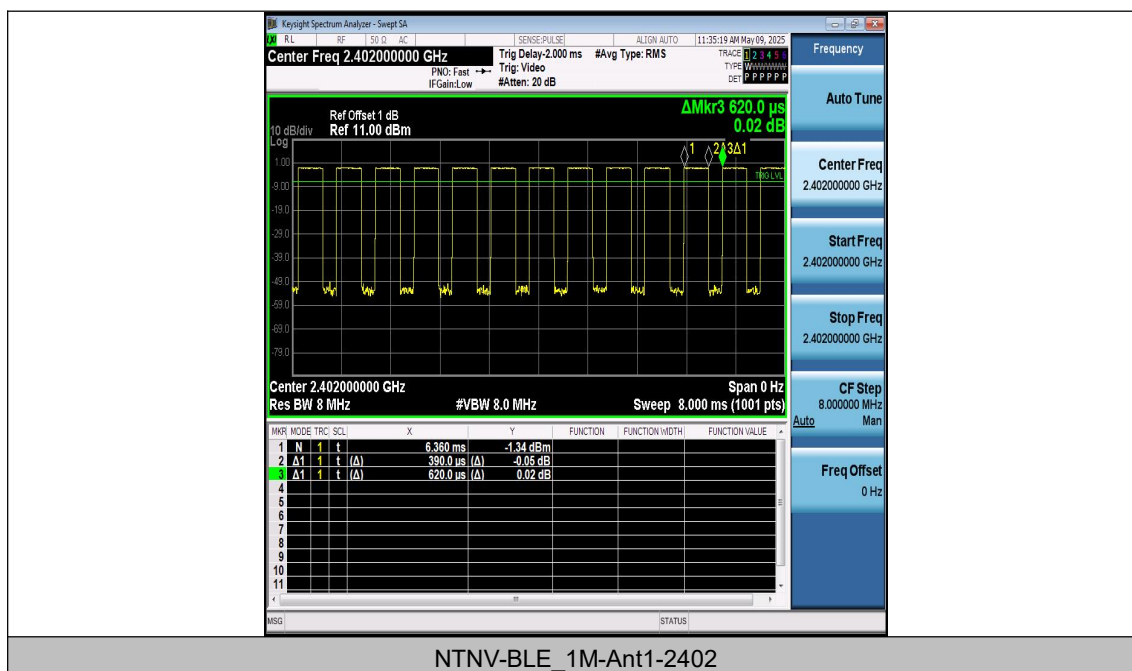
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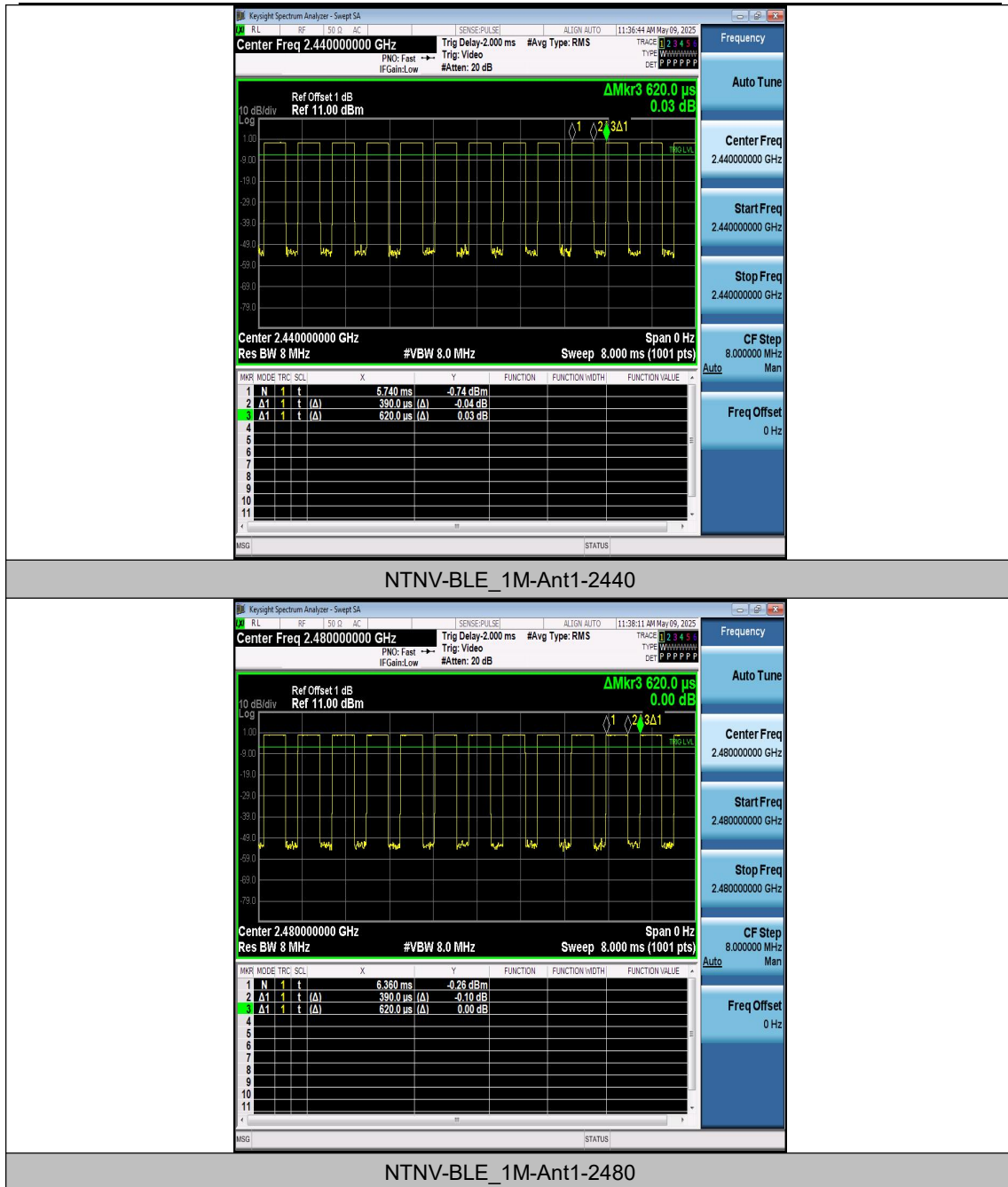
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2440	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2480	0.39	0.62	62.90	2.01

Test Graphs





---End---