

Appendix Test Data

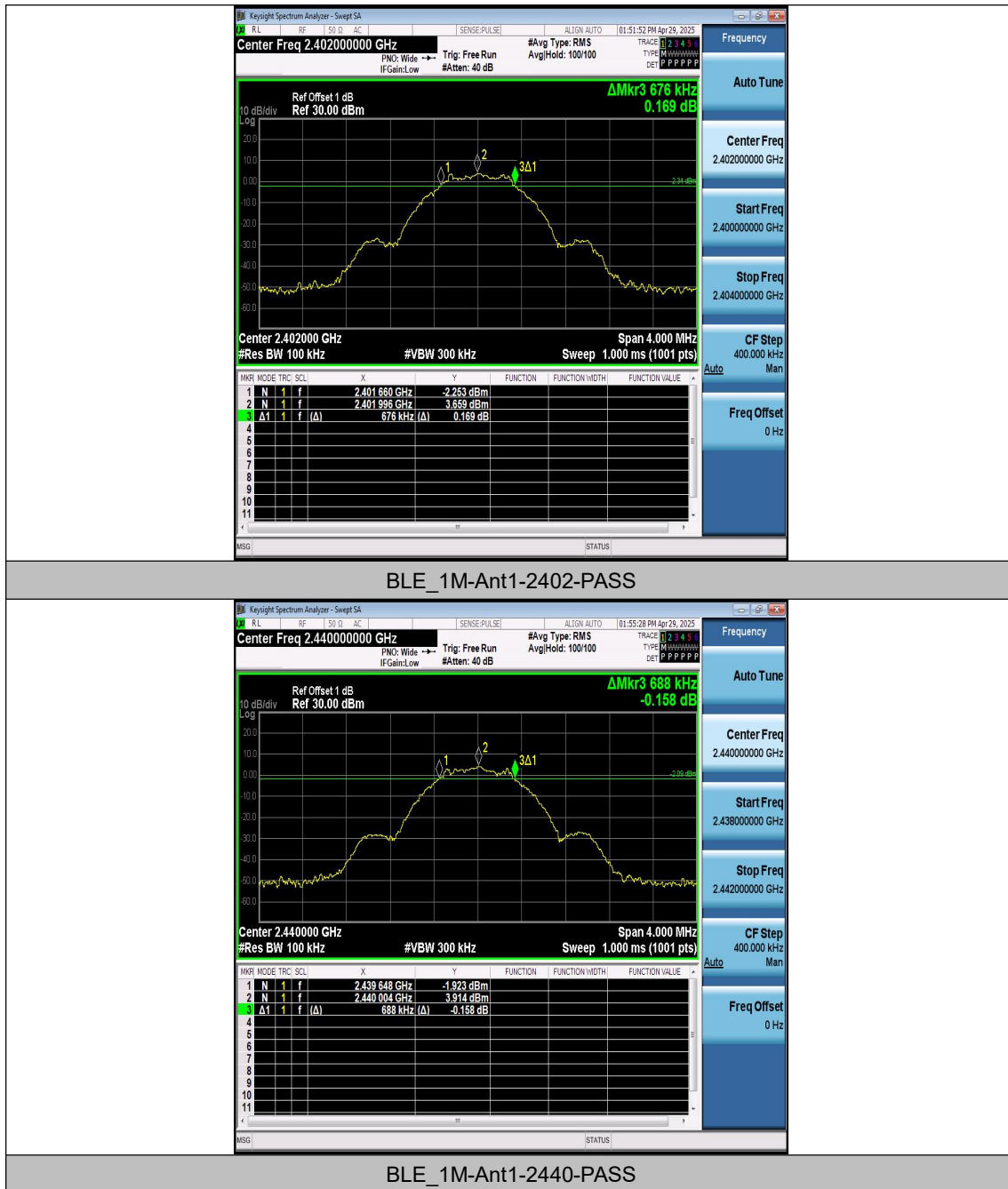
Report No.:	1812C50179312501	Test Sample No.:	1-2-2
Start Test Date:	2025-04-29	Finish Test Date:	2025-04-29
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.8°C	Relative Humidity:	43%
Pressure:	101kPa		

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	0.676	2401.660	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.688	2439.648	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.692	2479.648	2480.340	0.5	PASS

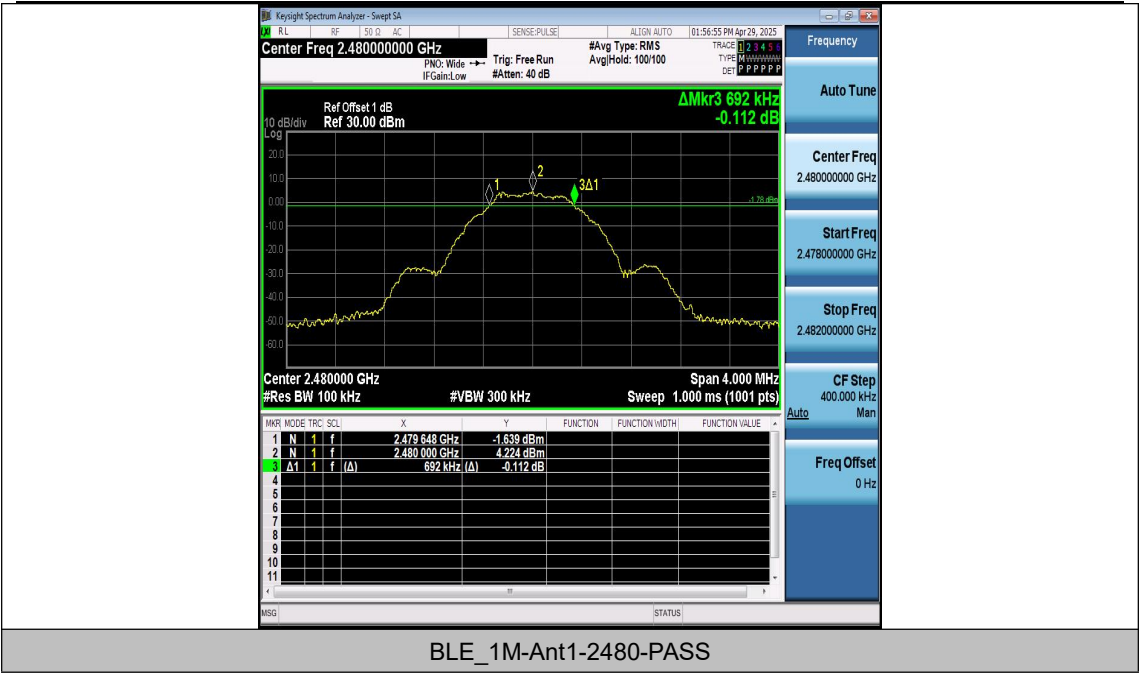
Test Graphs



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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	1.0319	2401.4870	2402.5189	---	---
BLE_1M	Ant1	2440	1.0341	2439.4911	2440.5252	---	---
BLE_1M	Ant1	2480	1.0277	2479.4886	2480.5163	---	---

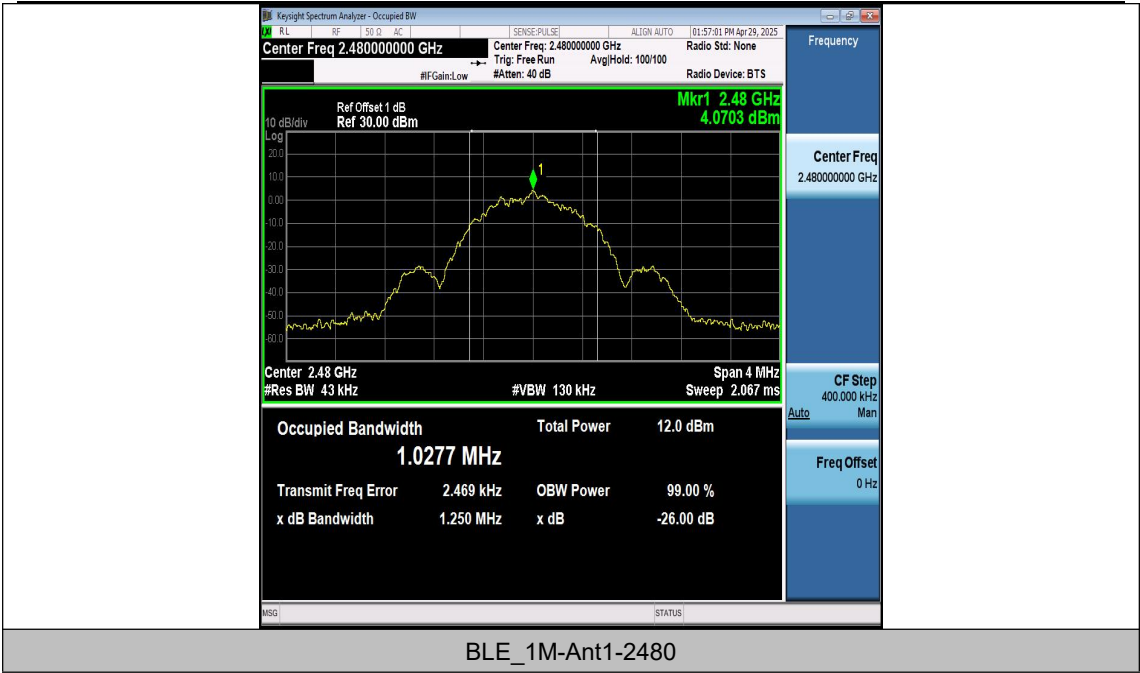
Test Graphs



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BLE_1M-Ant1-2480

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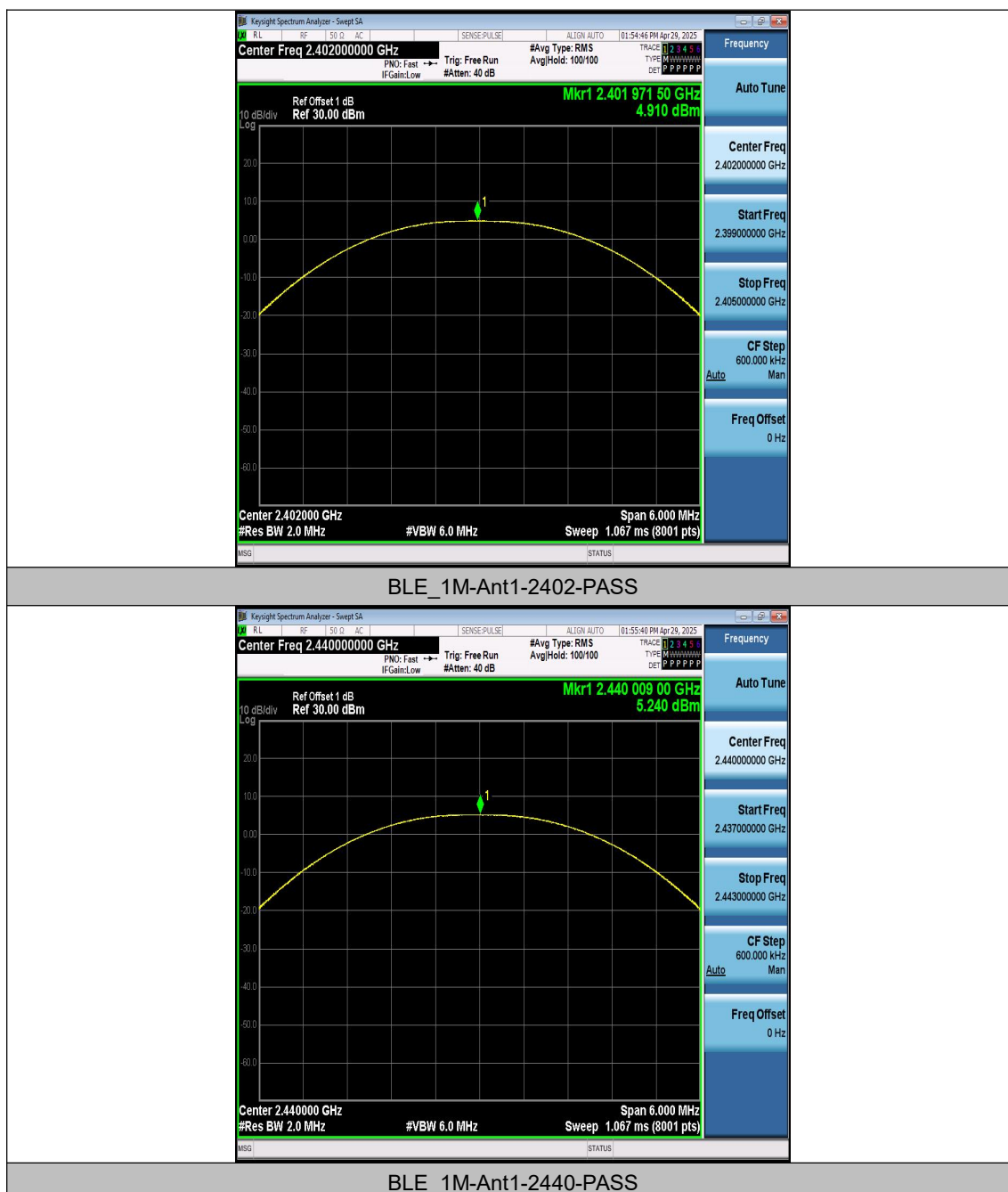
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.91	≤30	PASS
BLE_1M	Ant1	2440	5.24	≤30	PASS
BLE_1M	Ant1	2480	5.66	≤30	PASS

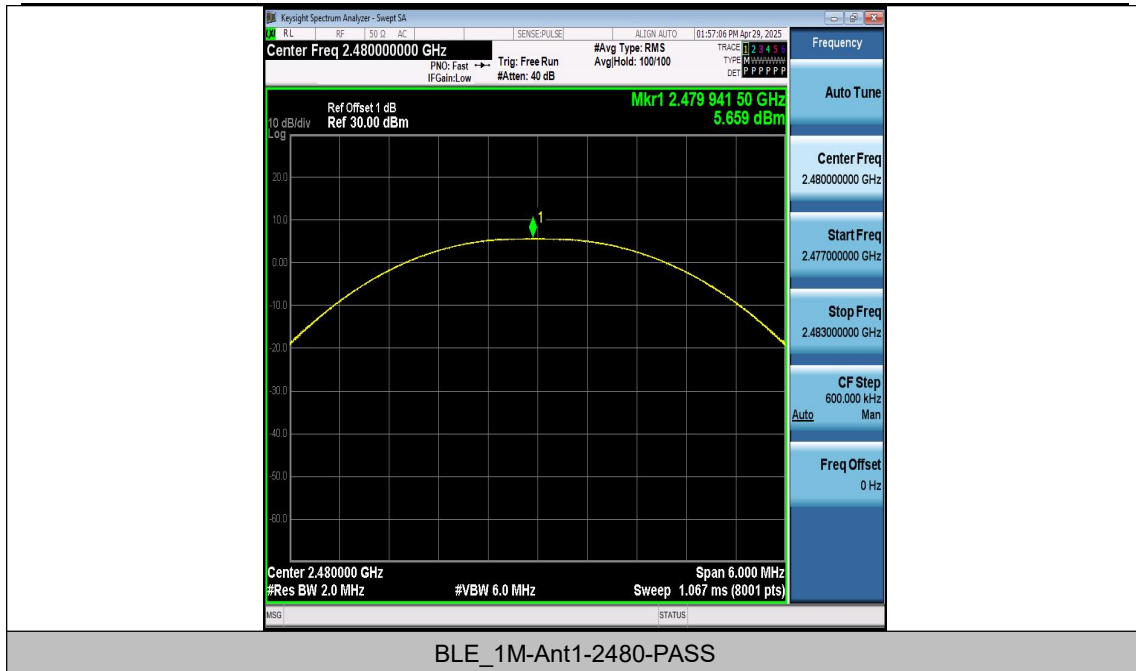
Test Graphs Peak



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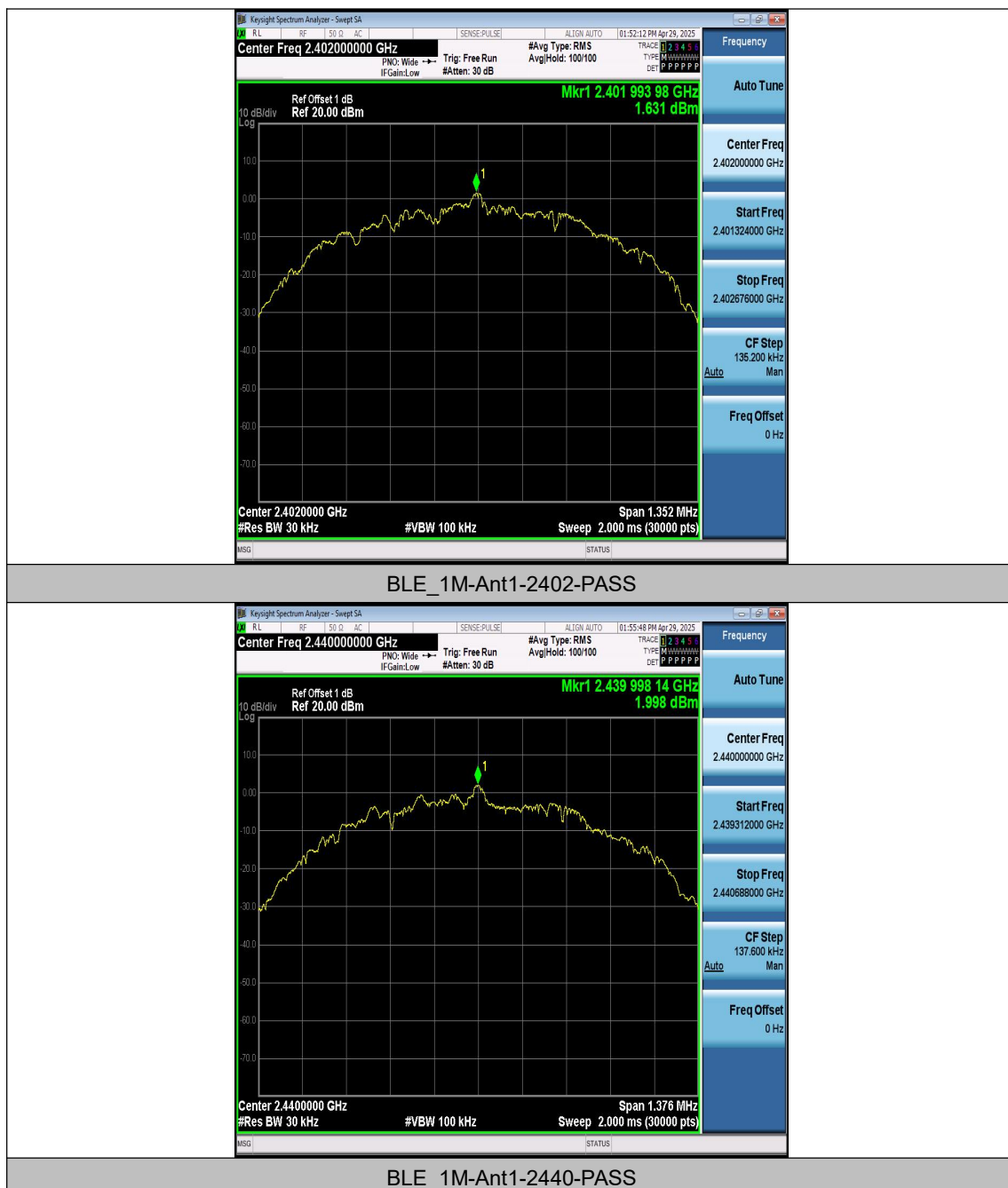
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	1.63	≤8.00	PASS
BLE_1M	Ant1	2440	2.00	≤8.00	PASS
BLE_1M	Ant1	2480	2.48	≤8.00	PASS

Test Graphs



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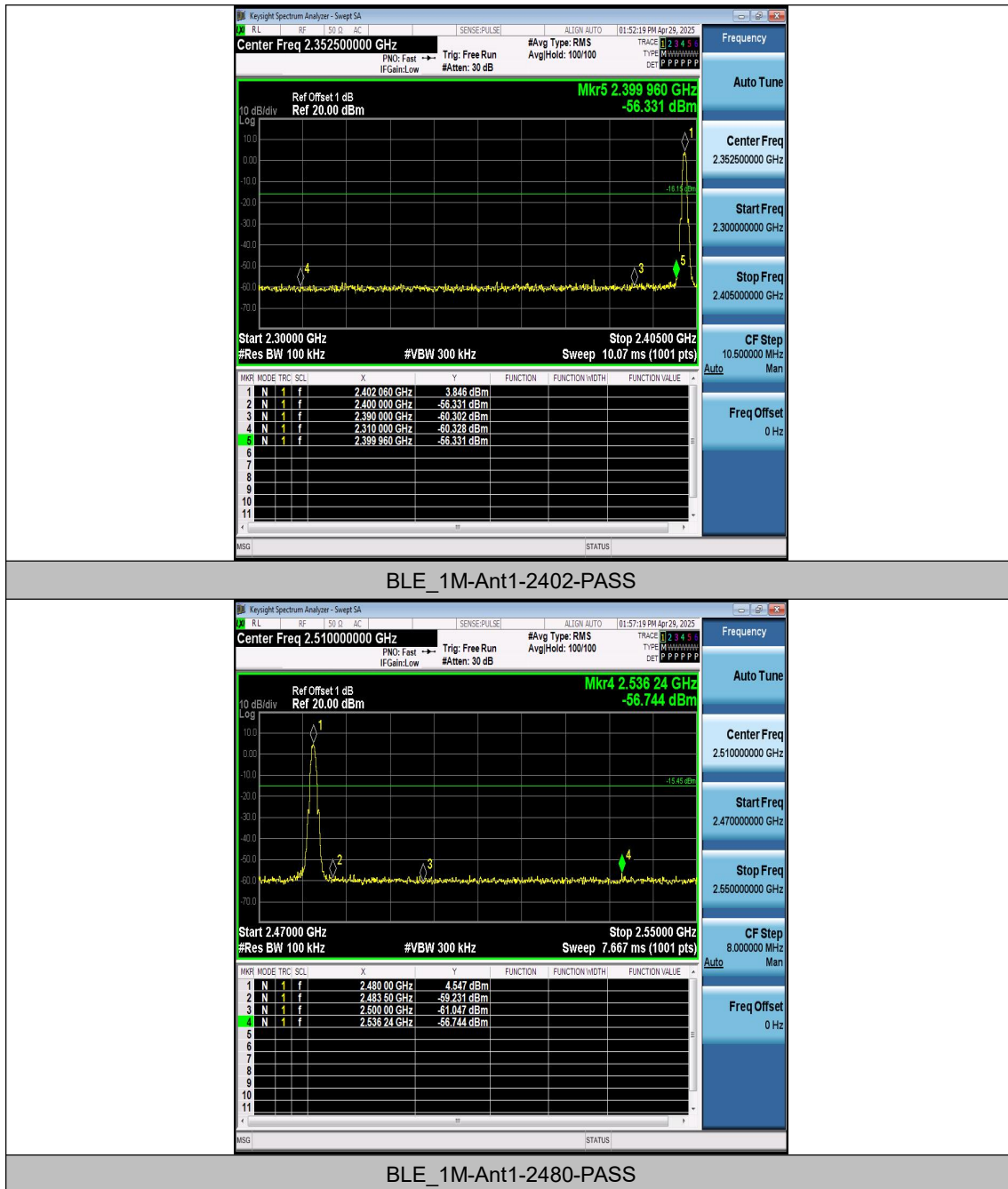
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.85	-56.33	≤-16.15	PASS
BLE_1M	Ant1	High	2480	4.55	-56.74	≤-15.45	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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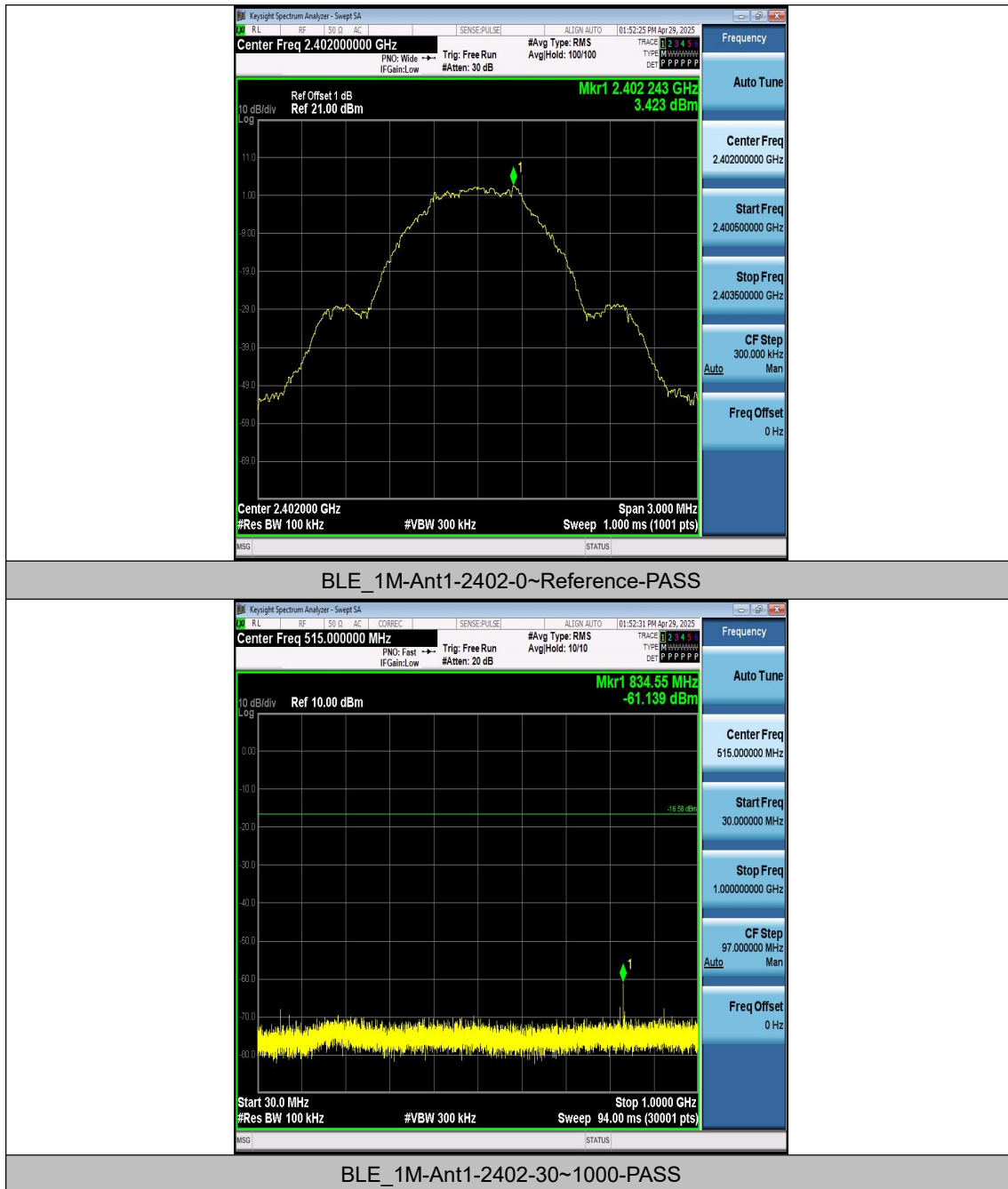
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.42	3.42	---	PASS
BLE_1M	Ant1	2402	30~1000	3.42	-61.14	≤-16.58	PASS
BLE_1M	Ant1	2402	1000~26500	3.42	-51.34	≤-16.58	PASS
BLE_1M	Ant1	2440	0~Reference	4.02	4.02	---	PASS
BLE_1M	Ant1	2440	30~1000	4.02	-59.39	≤-15.98	PASS
BLE_1M	Ant1	2440	1000~26500	4.02	-51.45	≤-15.98	PASS
BLE_1M	Ant1	2480	0~Reference	4.47	4.47	---	PASS
BLE_1M	Ant1	2480	30~1000	4.47	-66.93	≤-15.53	PASS
BLE_1M	Ant1	2480	1000~26500	4.47	-52.47	≤-15.53	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.

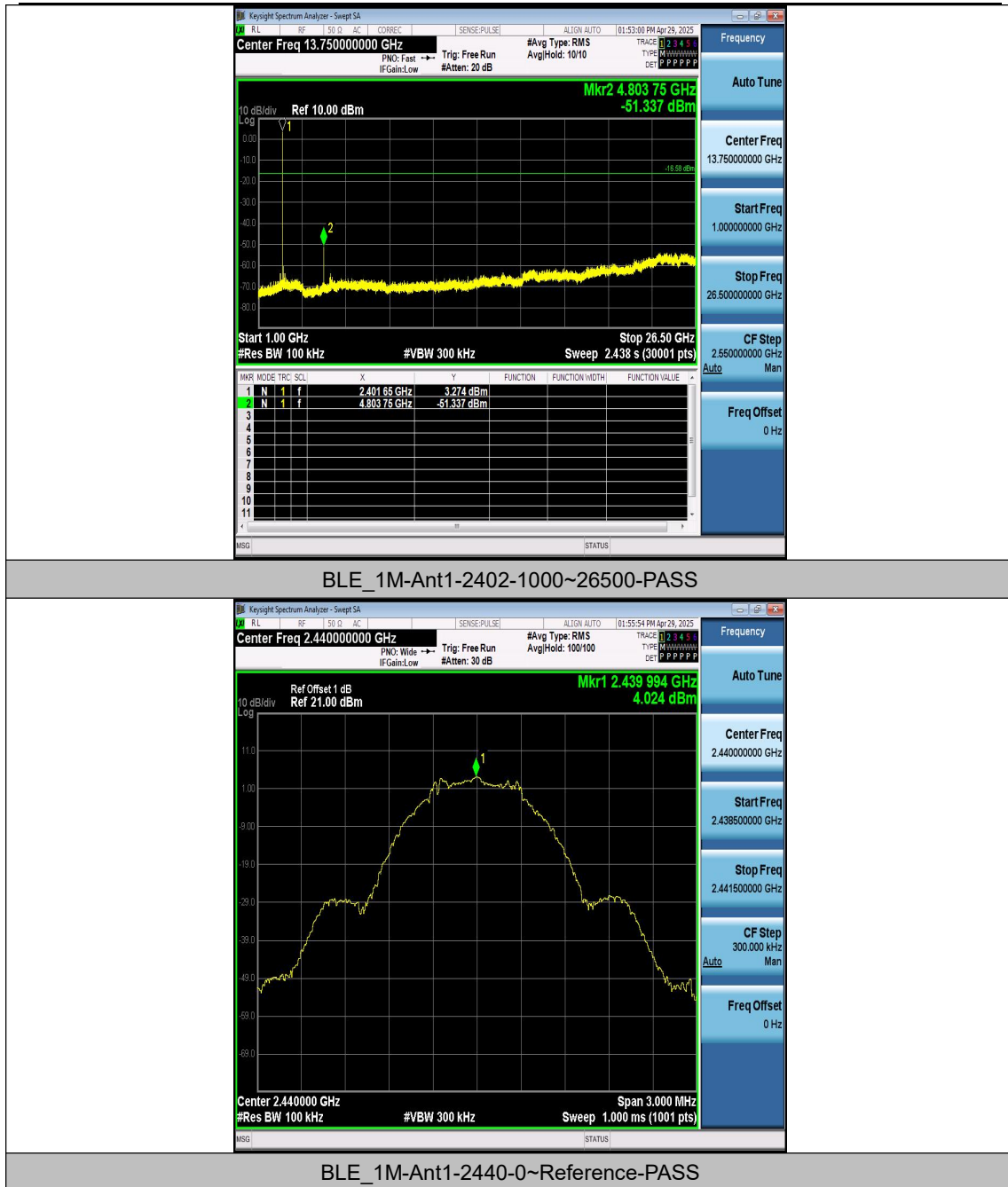
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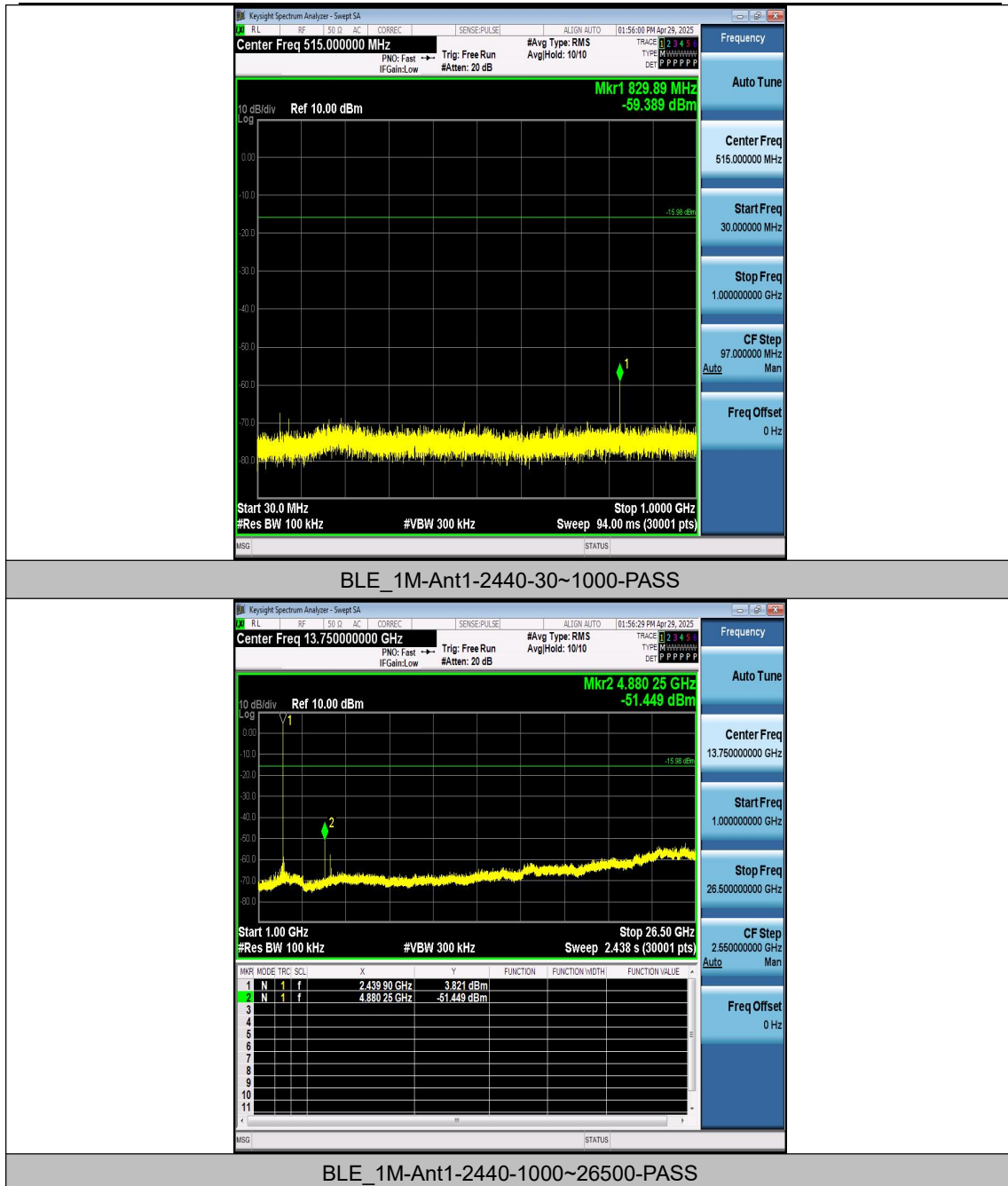
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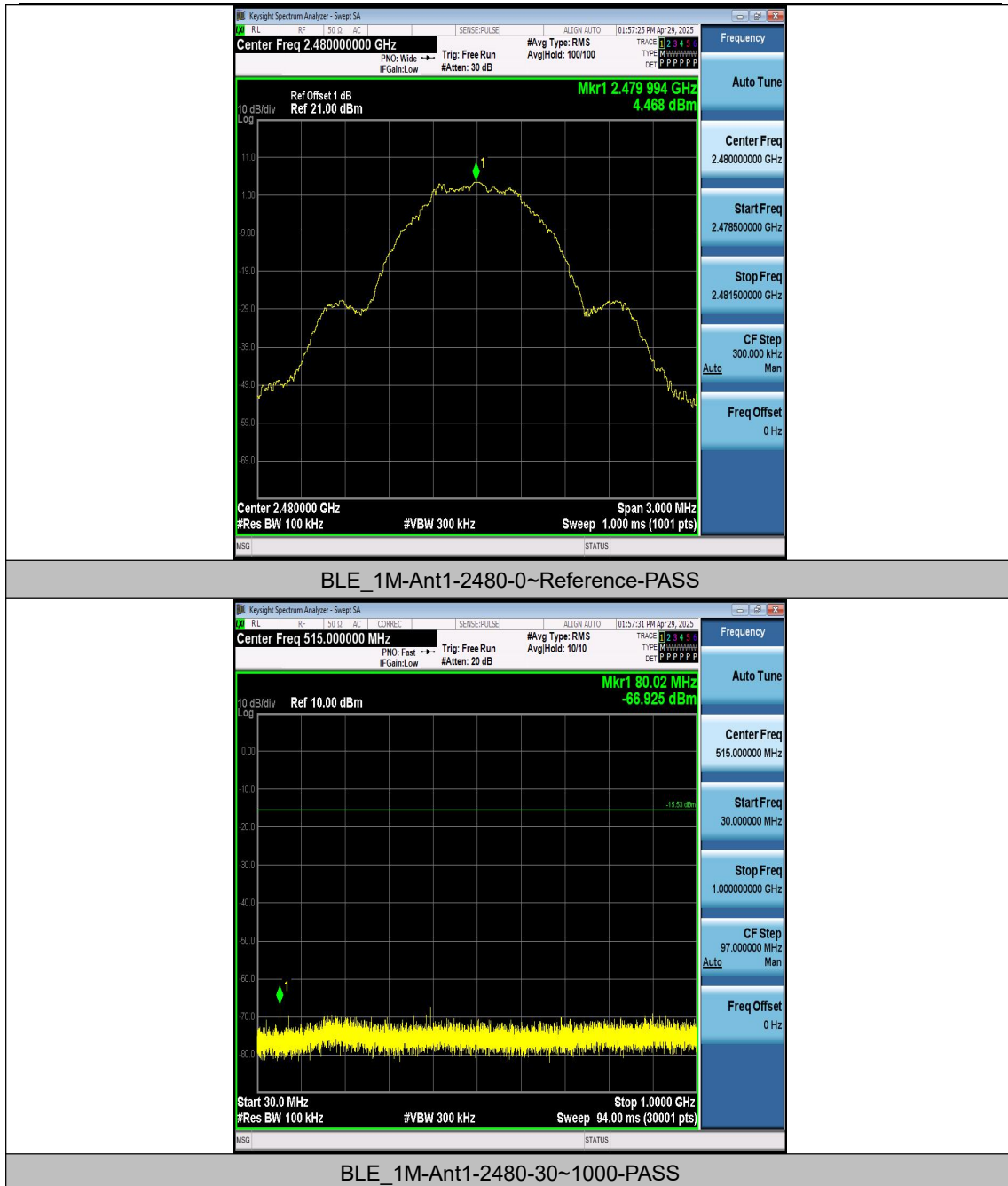
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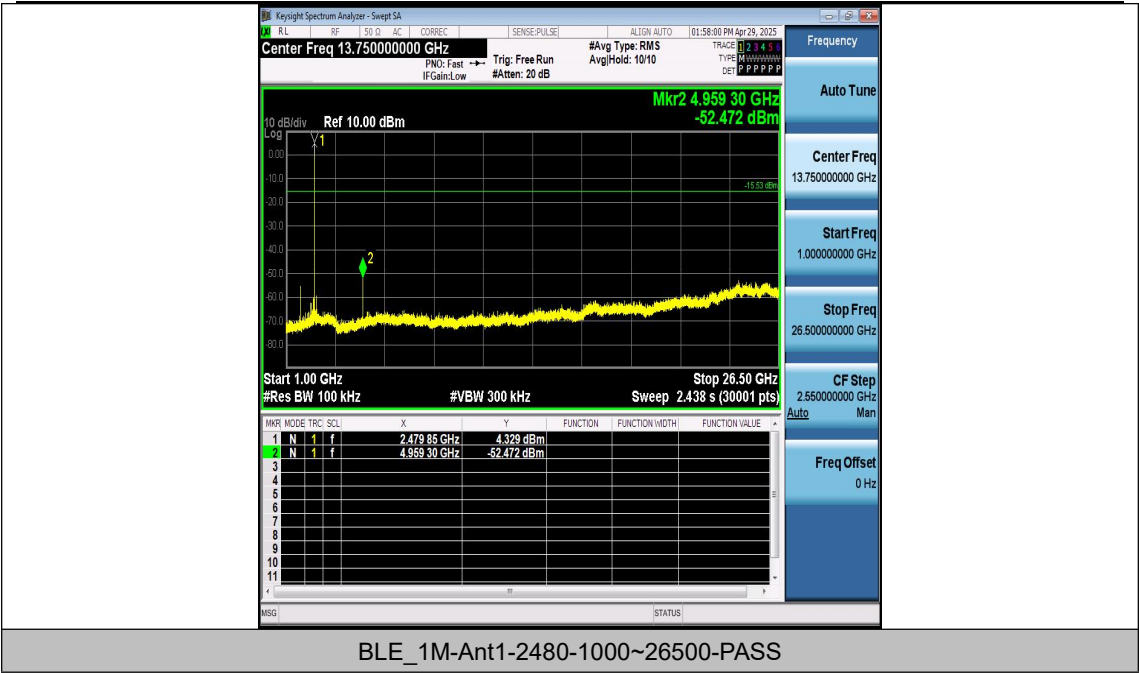
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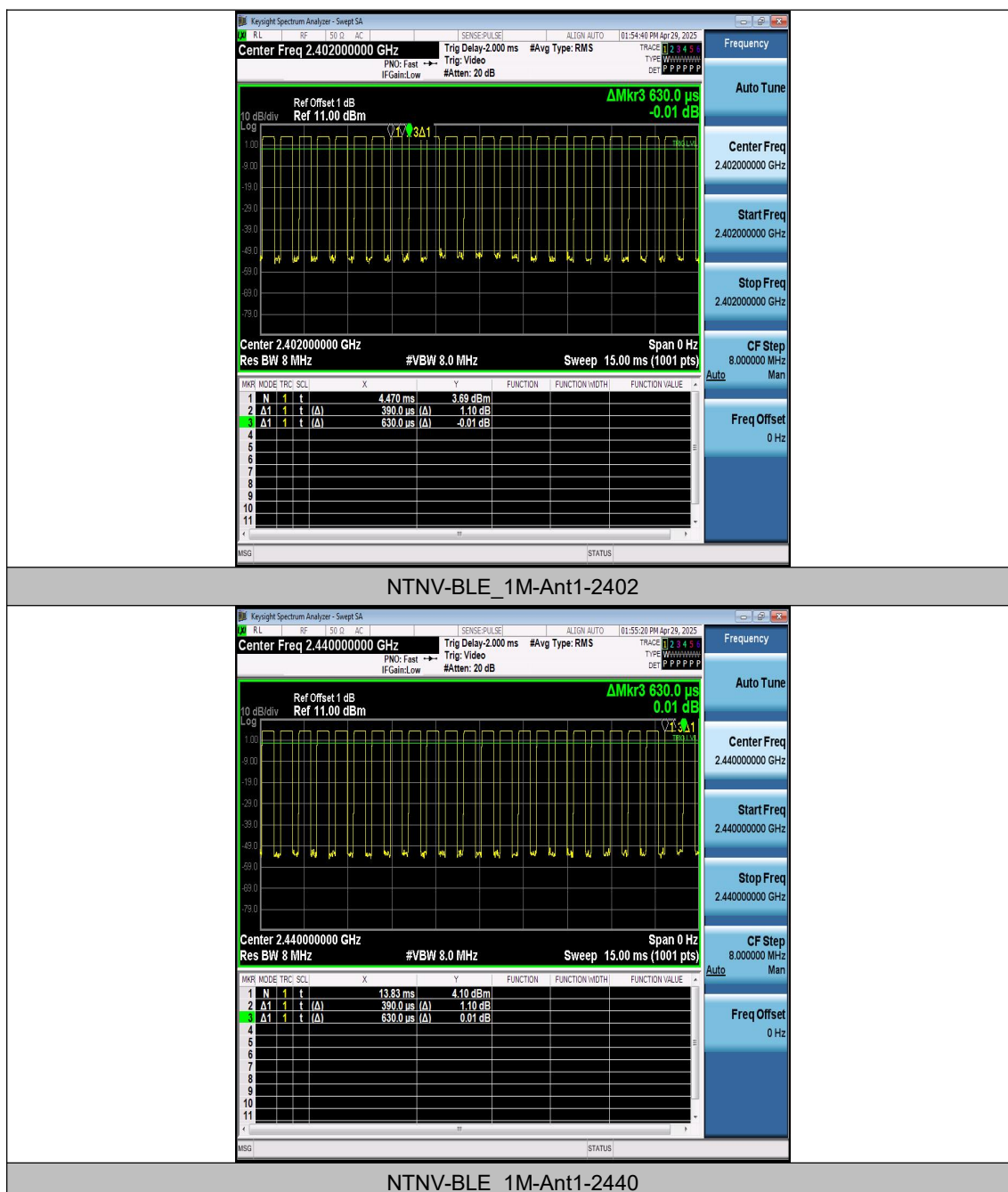
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08

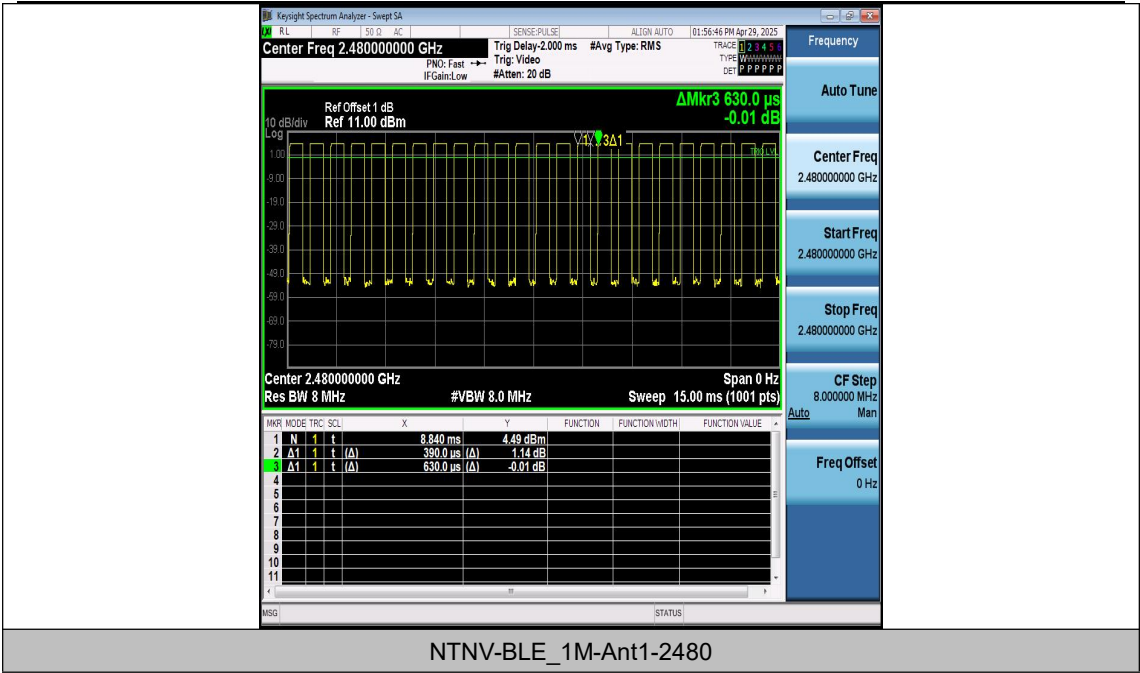
Test Graphs



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---End---