

Appendix Test Data

Report No.:	1812C50357812502	Test Sample No.:	1-2-2
Start Test Date:	2025-08-13	Finish Test Date:	2025-08-14
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.7°C	Relative Humidity:	58%
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	0.632	2401.696	2402.328	0.5	PASS
BLE_1M	Ant1	2440	0.716	2439.644	2440.360	0.5	PASS
BLE_1M	Ant1	2480	0.760	2479.628	2480.388	0.5	PASS

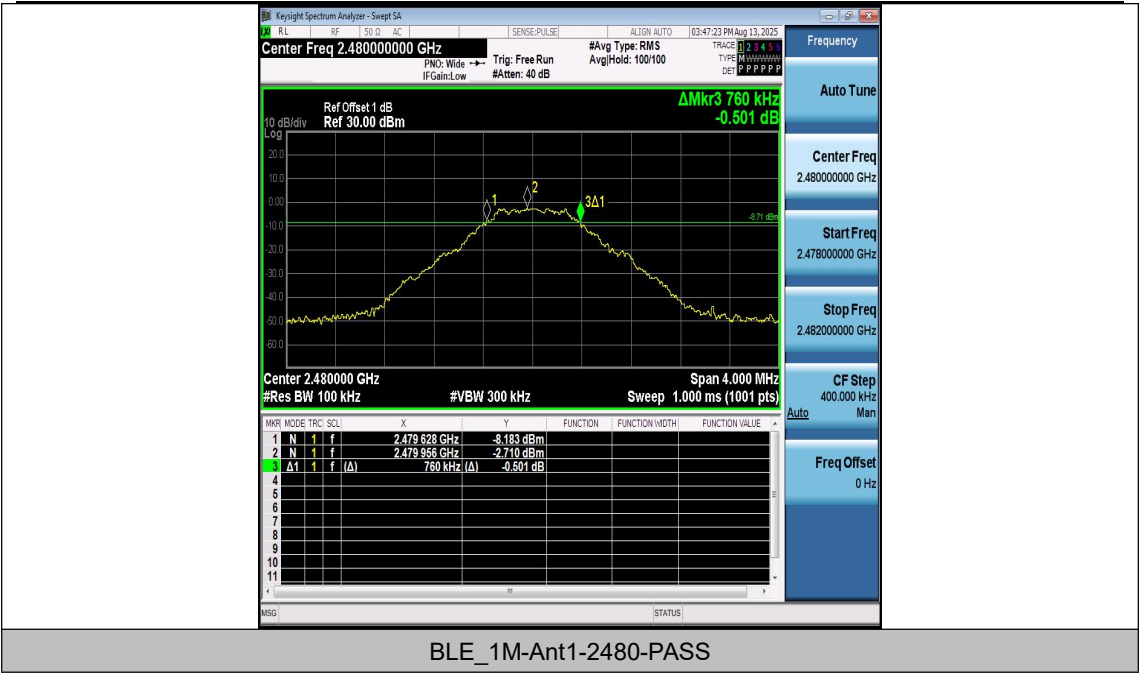
Test Graphs



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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	1.1279	2401.4427	2402.5706	---	---
BLE_1M	Ant1	2440	1.1917	2439.4163	2440.6080	---	---
BLE_1M	Ant1	2480	1.1860	2479.4141	2480.6001	---	---

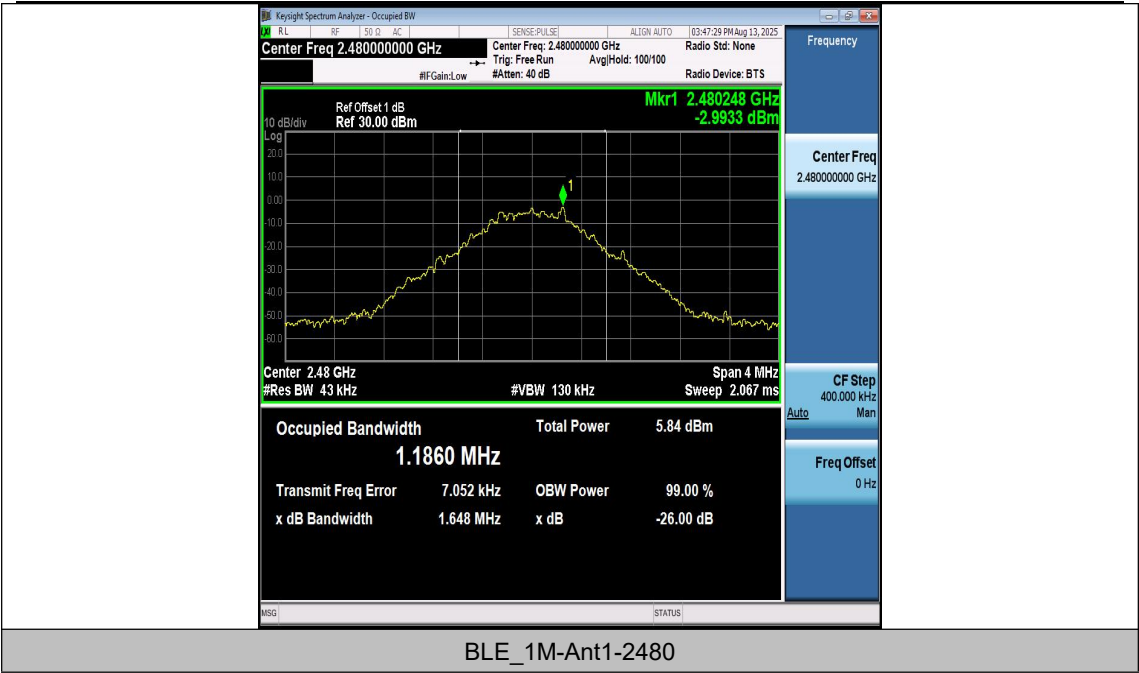
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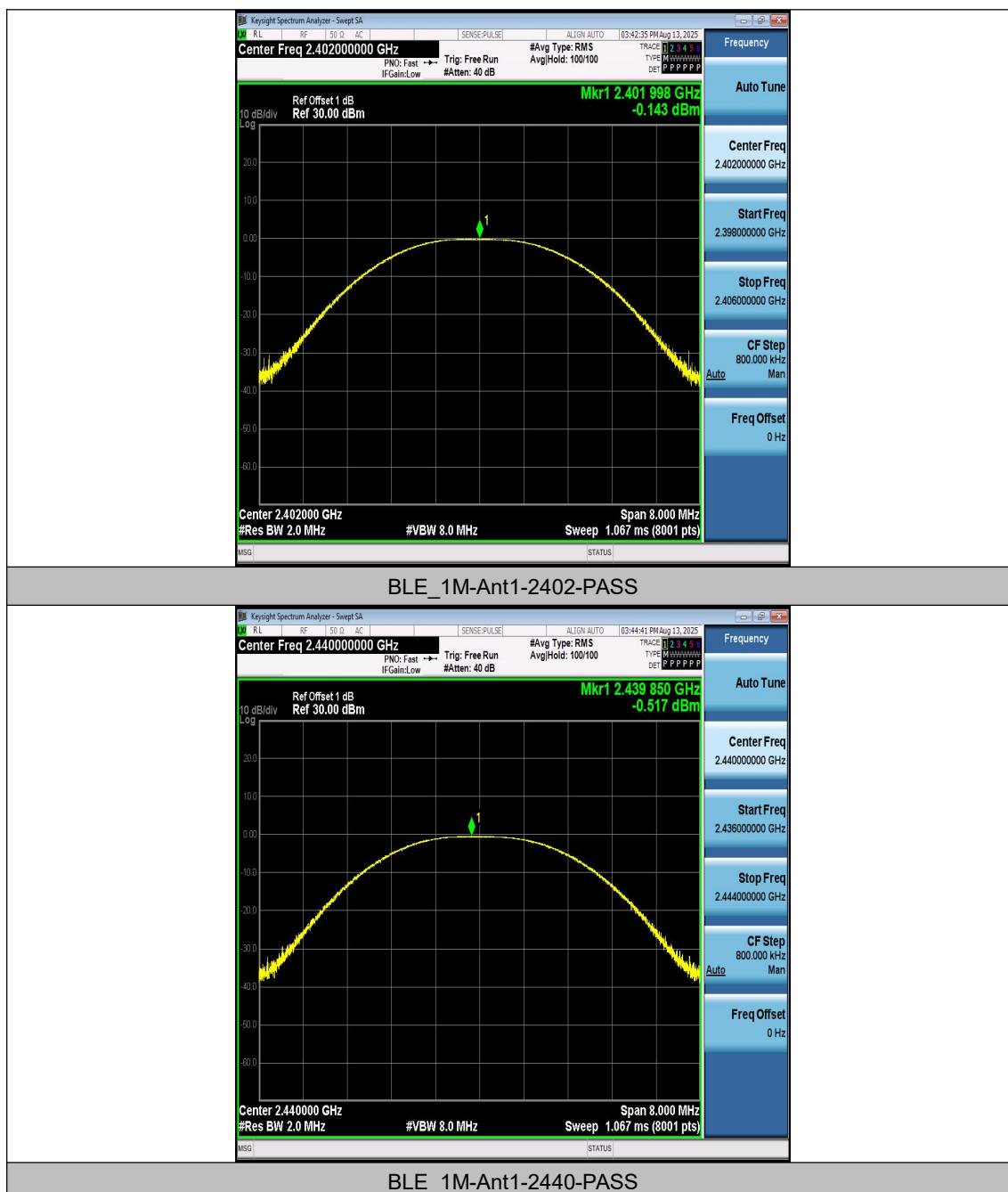
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.14	≤30	PASS
BLE_1M	Ant1	2440	-0.52	≤30	PASS
BLE_1M	Ant1	2480	-1.13	≤30	PASS

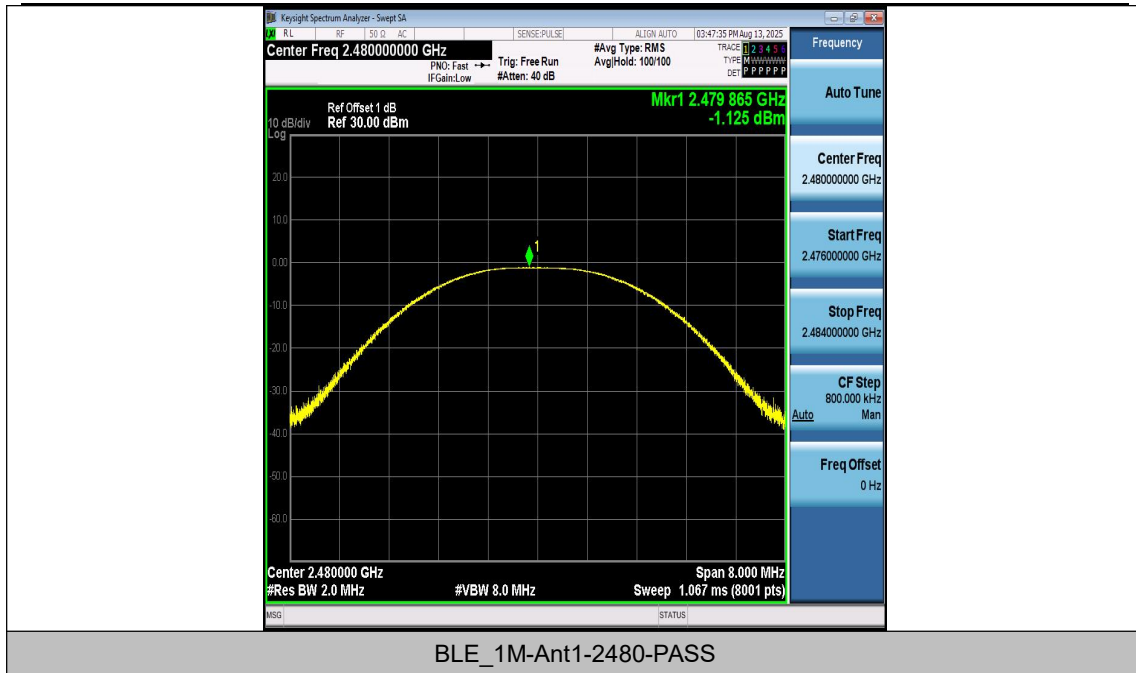
Test Graphs Peak



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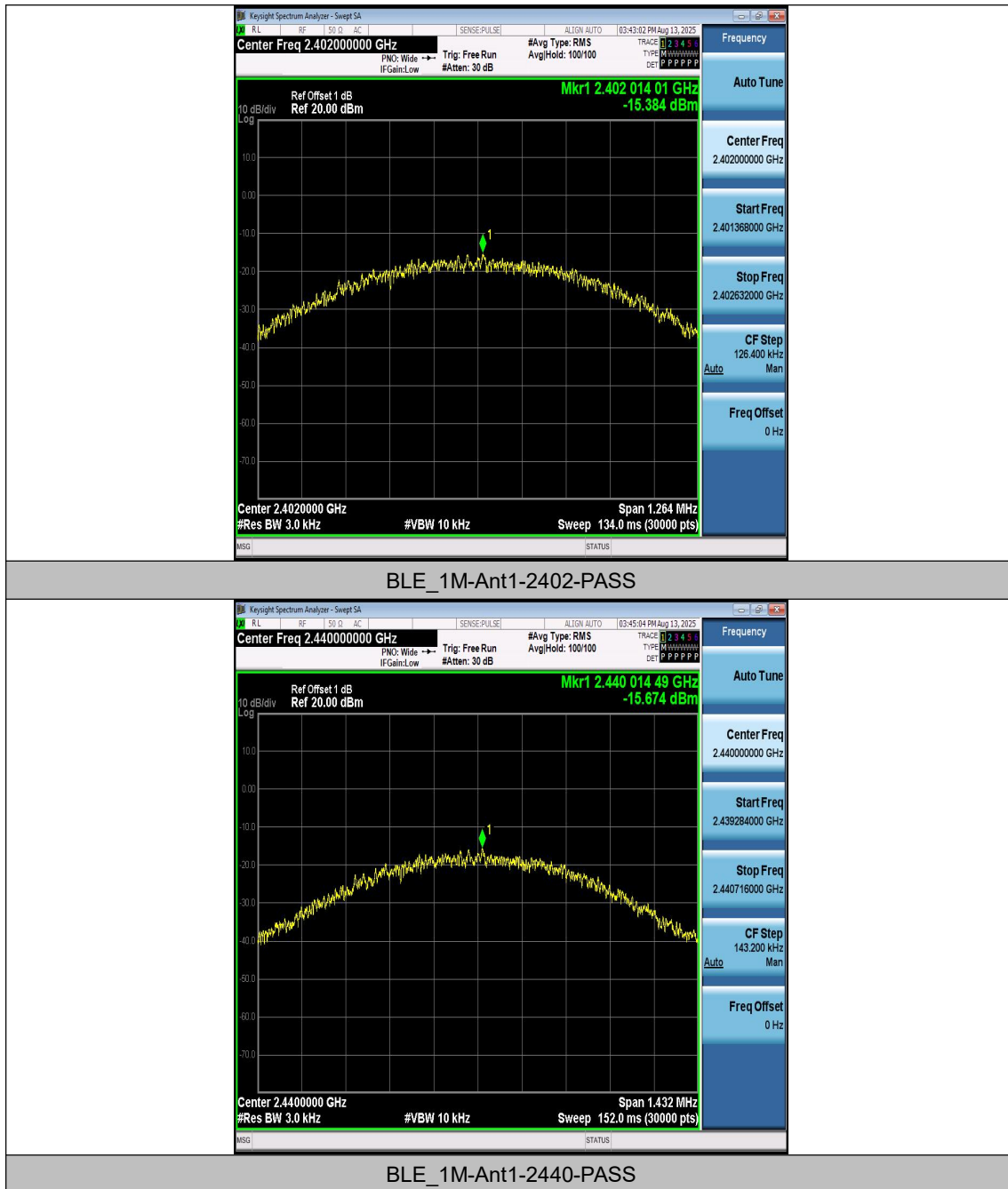
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.38	≤8.00	PASS
BLE_1M	Ant1	2440	-15.67	≤8.00	PASS
BLE_1M	Ant1	2480	-16.45	≤8.00	PASS

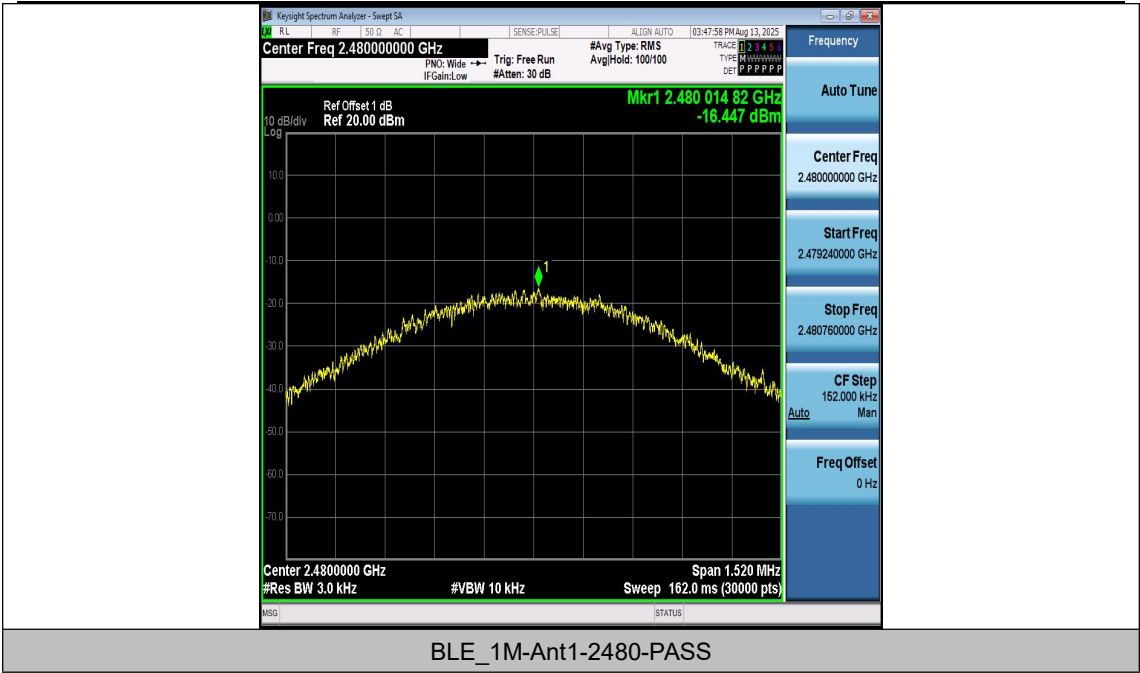
Test Graphs



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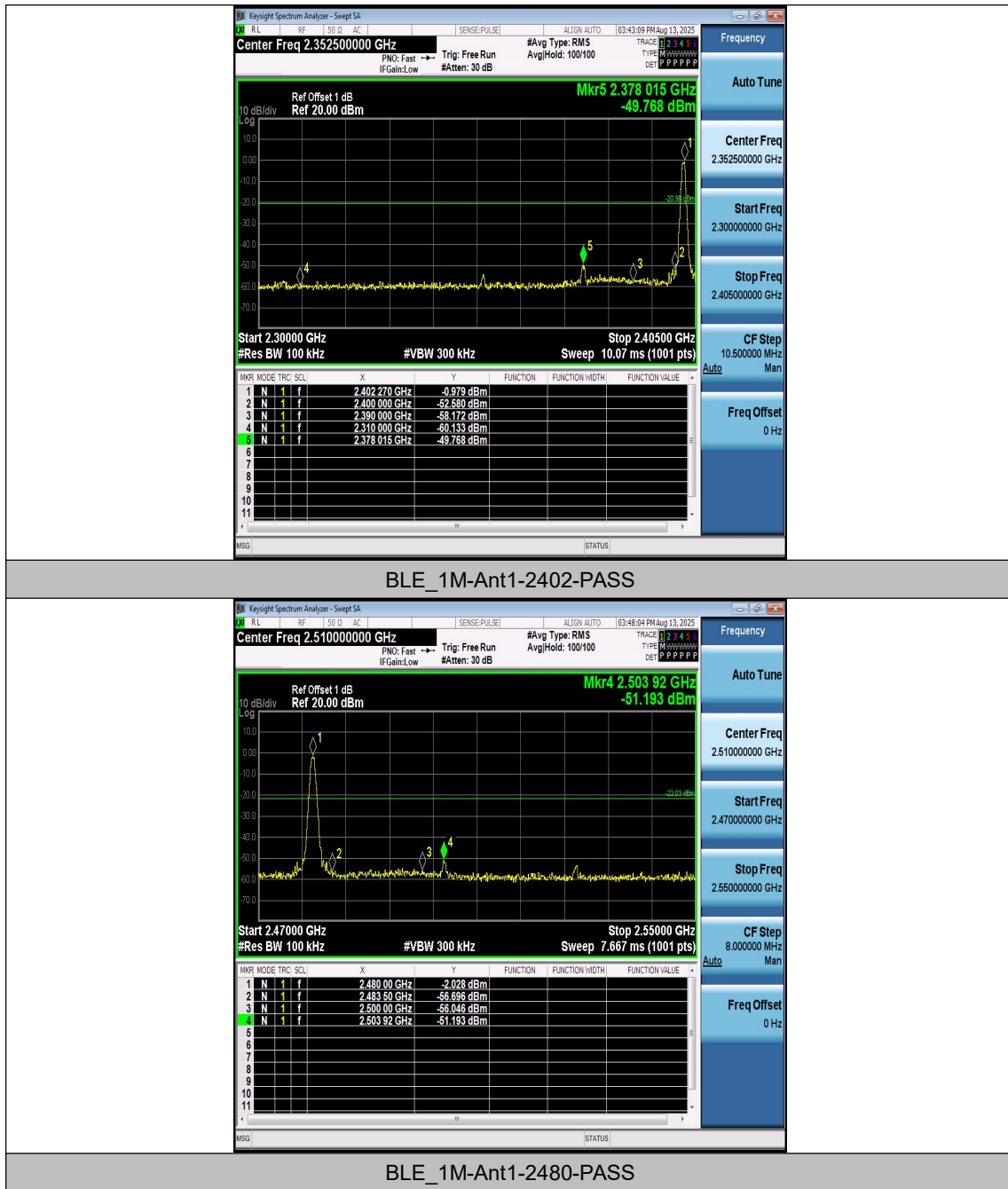
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.98	-49.77	≤-20.98	PASS
BLE_1M	Ant1	High	2480	-2.03	-51.19	≤-22.03	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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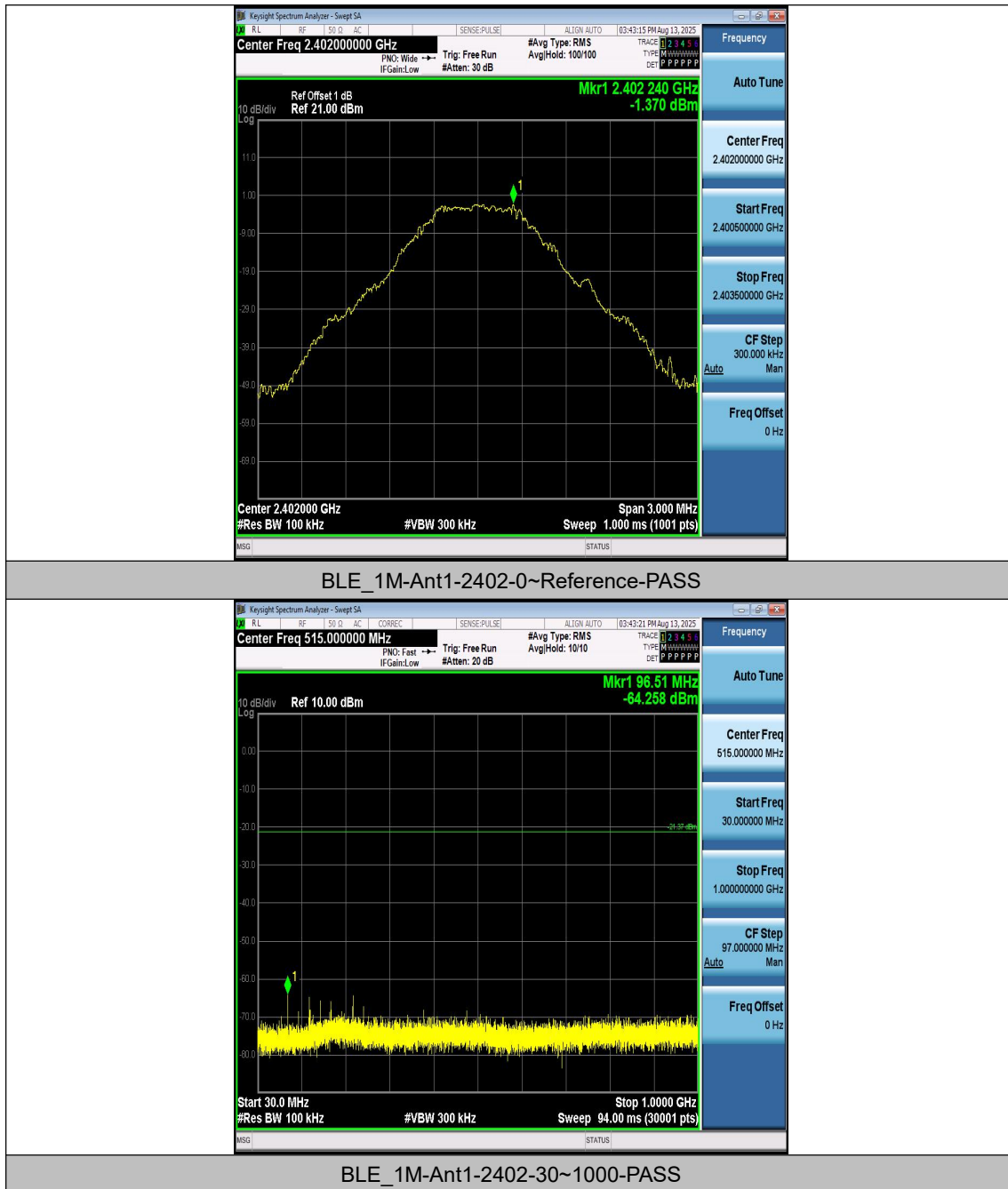
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.37	-1.37	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.37	-64.26	≤-21.37	PASS
BLE_1M	Ant1	2402	1000~26500	-1.37	-43.5	≤-21.37	PASS
BLE_1M	Ant1	2440	0~Reference	-1.22	-1.22	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.22	-59.46	≤-21.22	PASS
BLE_1M	Ant1	2440	1000~26500	-1.22	-42.16	≤-21.22	PASS
BLE_1M	Ant1	2480	0~Reference	-1.79	-1.79	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.79	-58.99	≤-21.79	PASS
BLE_1M	Ant1	2480	1000~26500	-1.79	-42.55	≤-21.79	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.

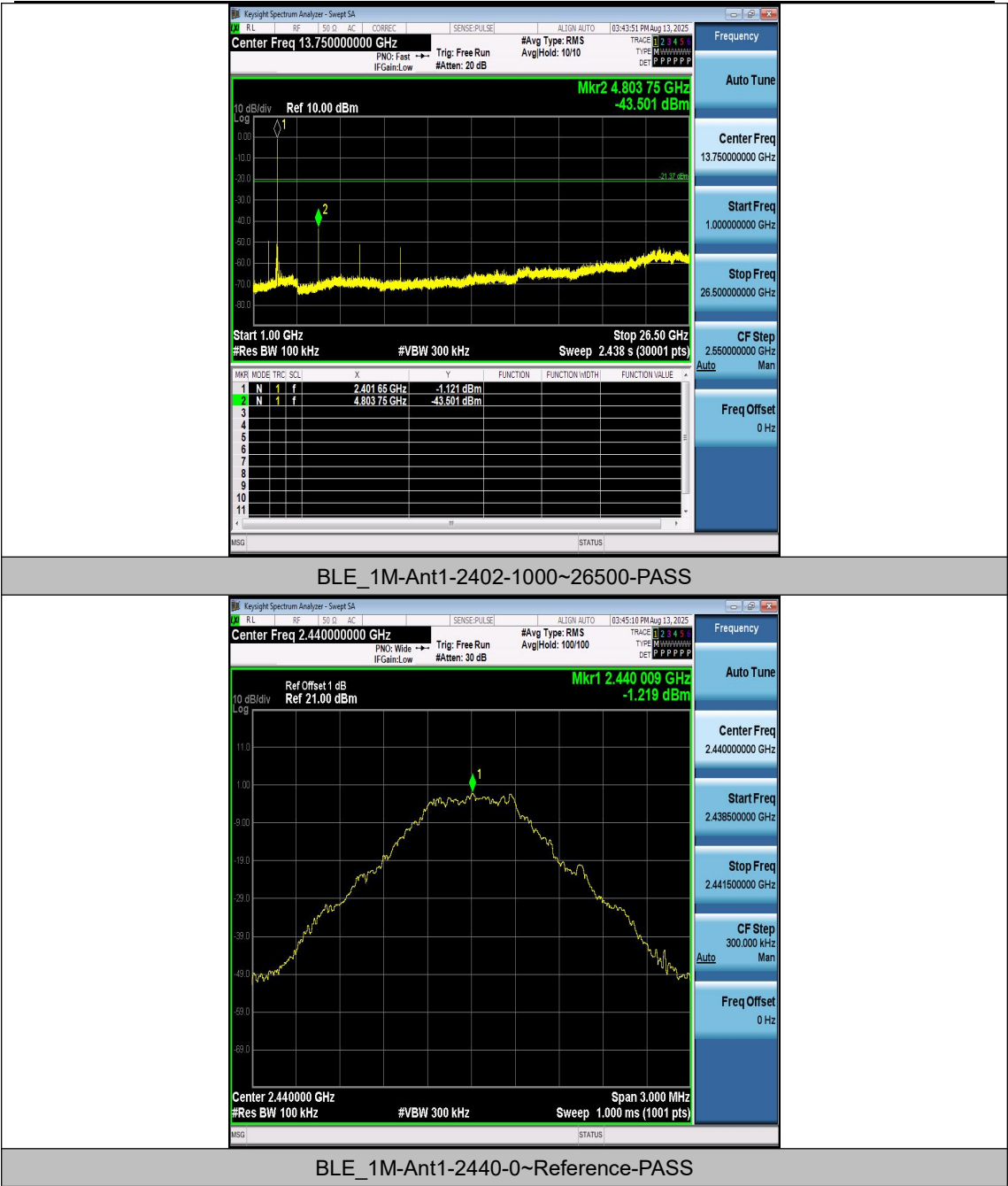
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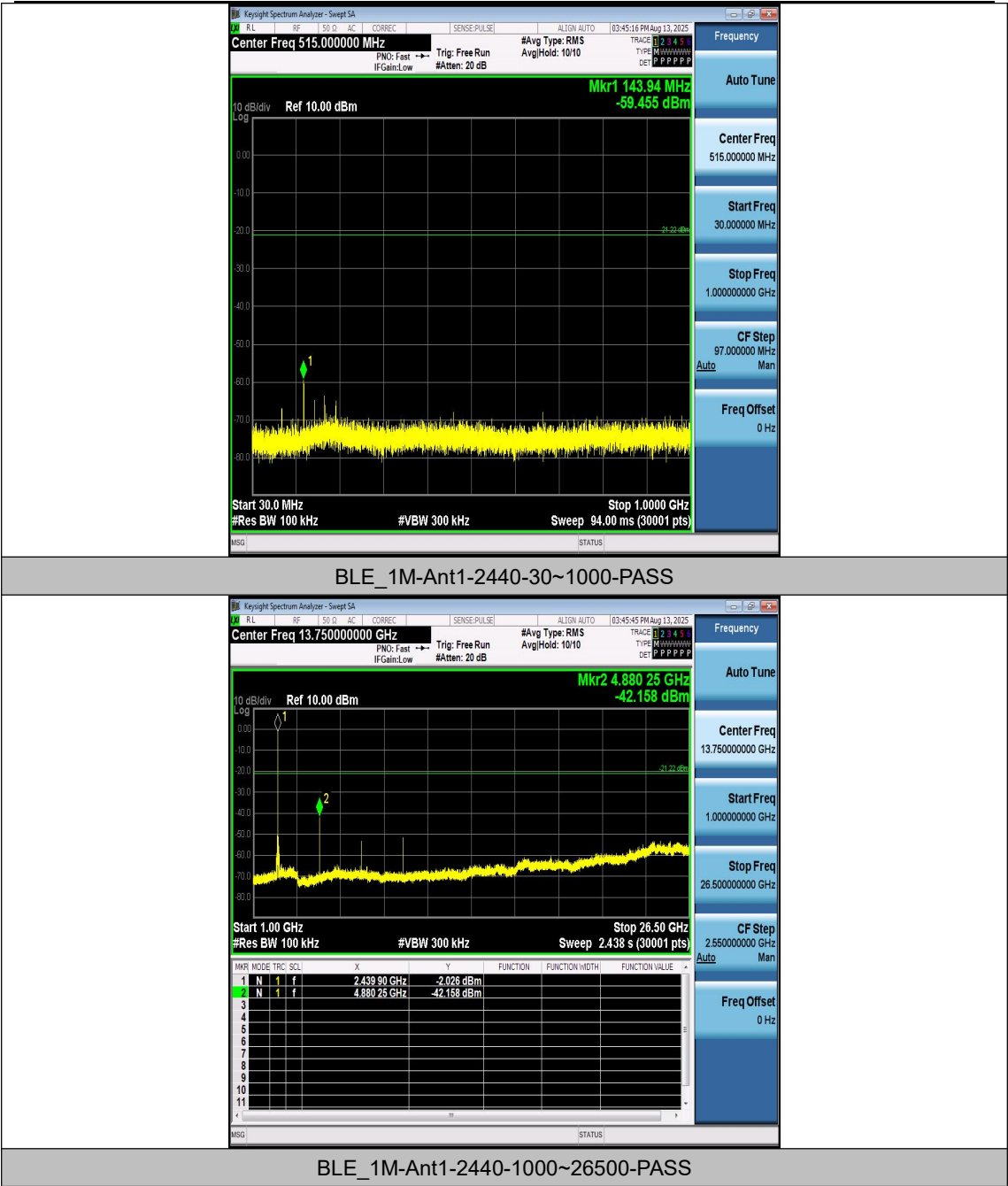
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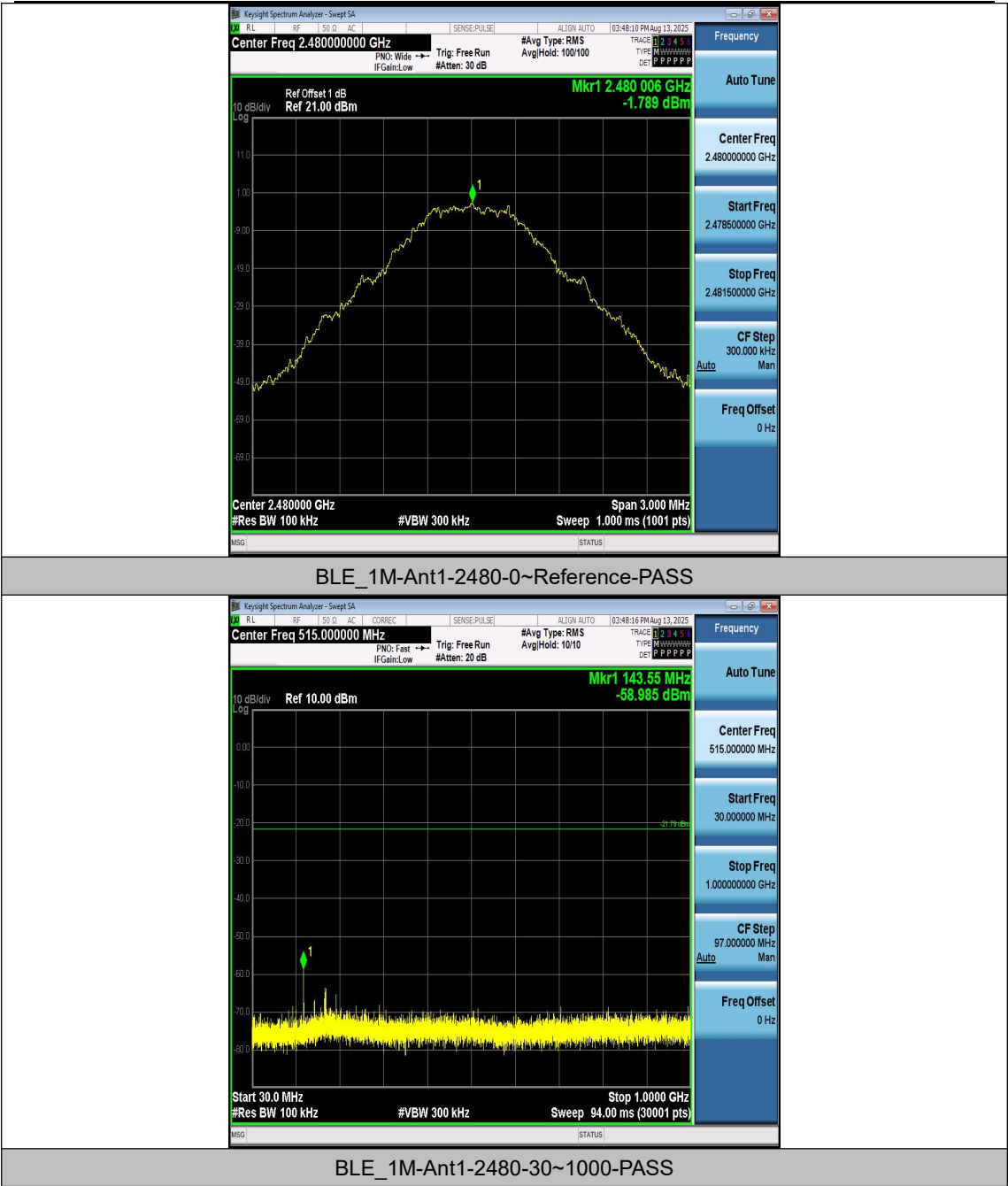
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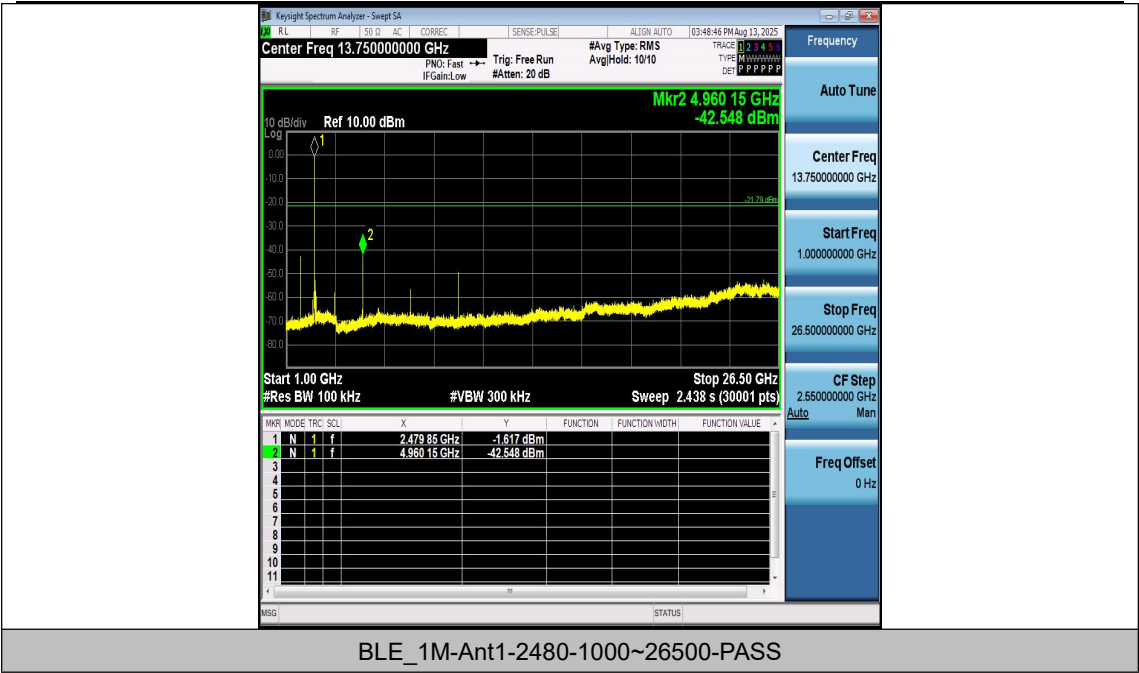
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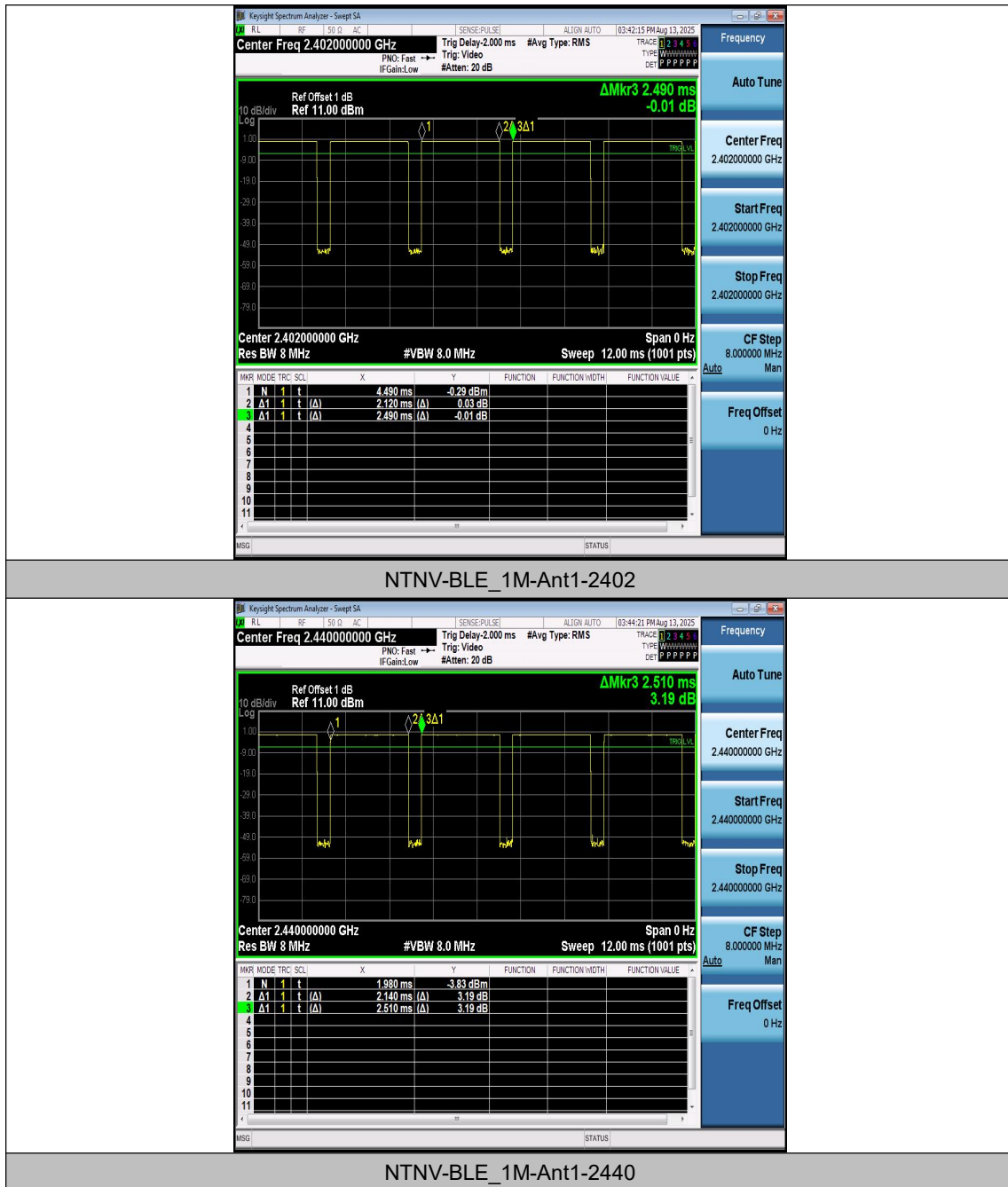
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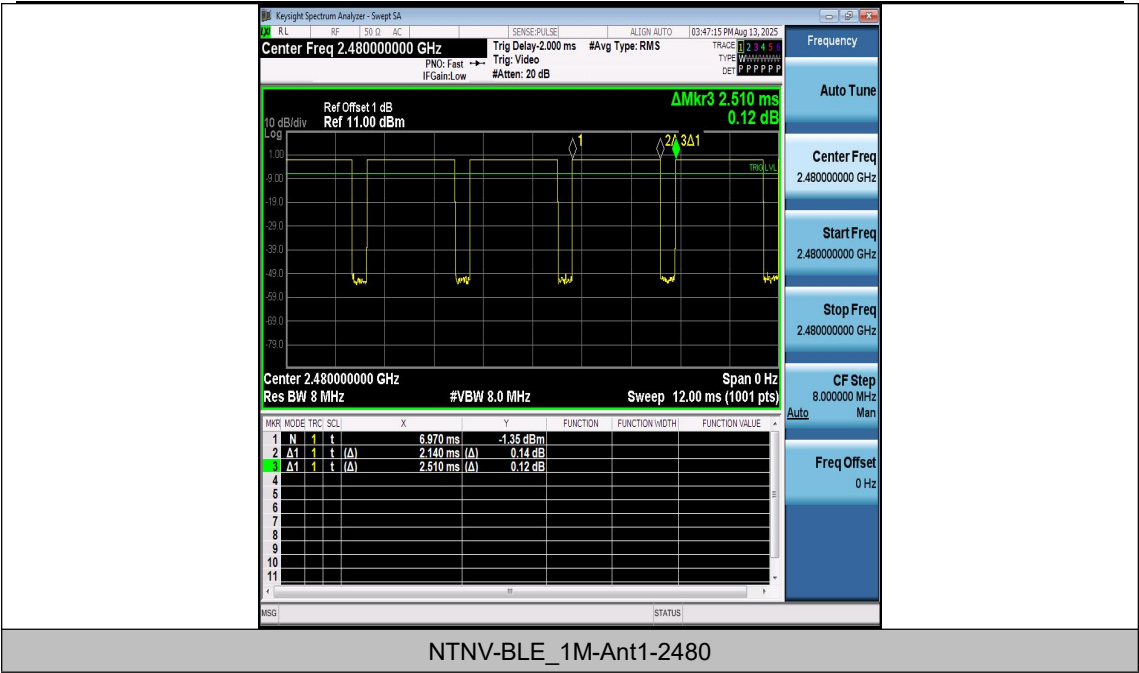
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.49	85.14	0.70
BLE_1M	Ant1	2440	2.14	2.51	85.26	0.69
BLE_1M	Ant1	2480	2.14	2.51	85.26	0.69

Test Graphs





---End---