

Appendix Test Data

Report No.:	1812C50506412501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-14	Finish Test Date:	2025-10-15
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.4°C	Relative Humidity:	64%
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	0.648	2401.732	2402.380	0.5	PASS
BLE_1M	Ant1	2440	0.648	2439.732	2440.380	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.736	2480.408	0.5	PASS

Test Graphs





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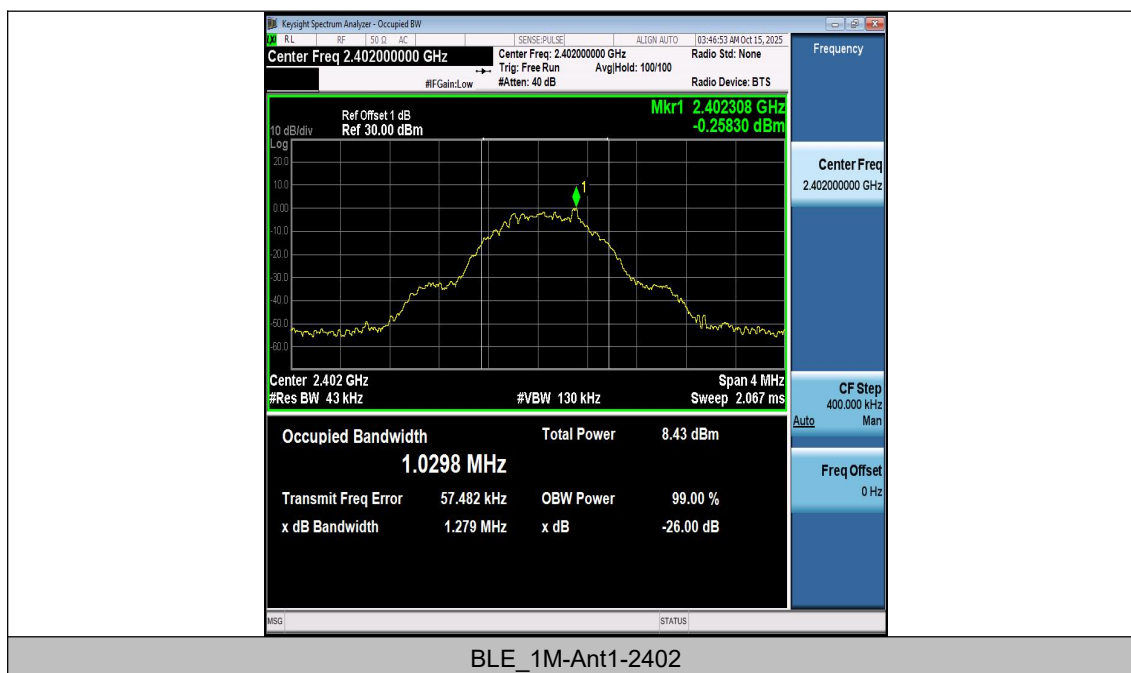
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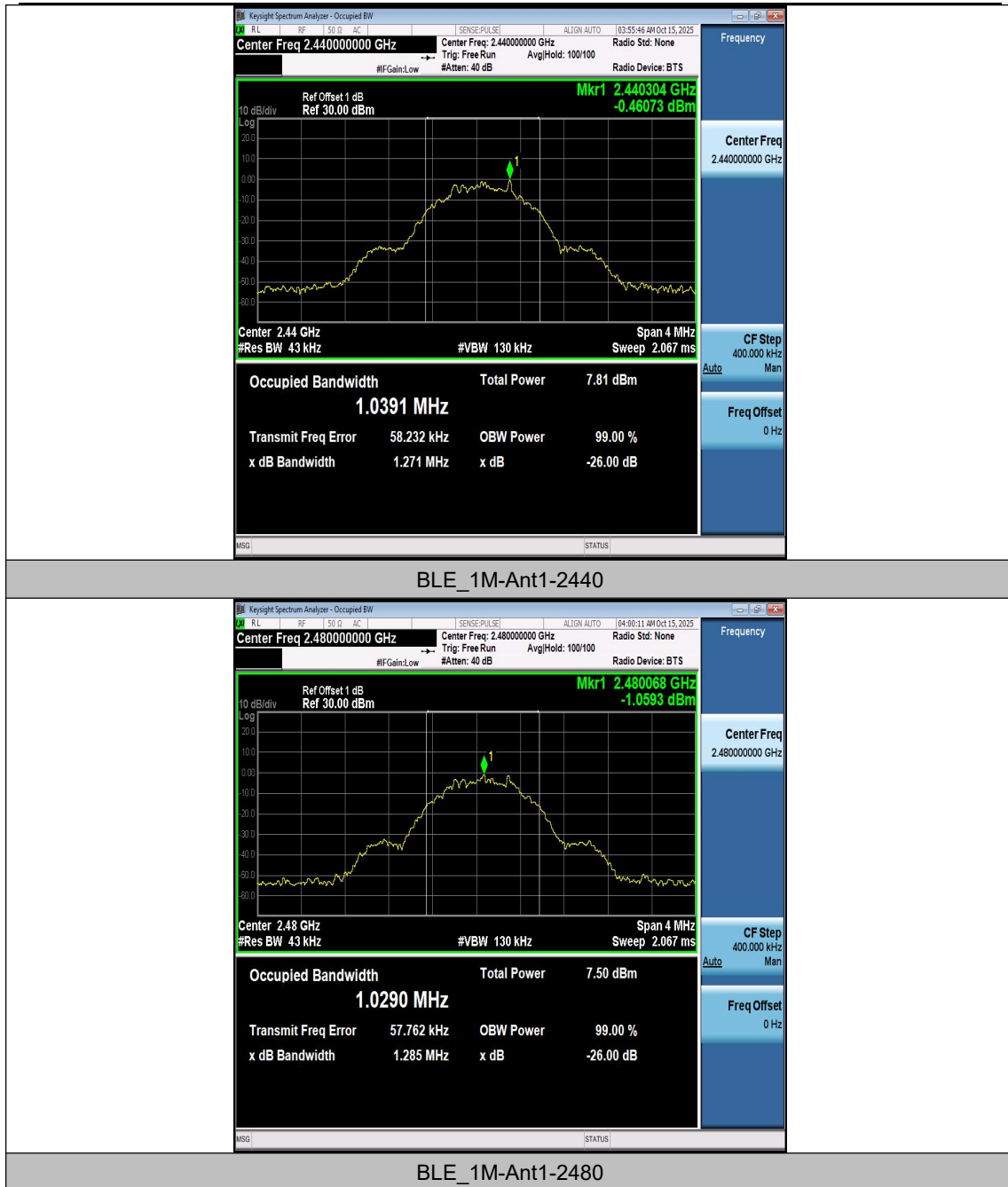
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0298	2401.5426	2402.5724	---	---
BLE_1M	Ant1	2440	1.0391	2439.5387	2440.5778	---	---
BLE_1M	Ant1	2480	1.0290	2479.5433	2480.5723	---	---

Test Graphs





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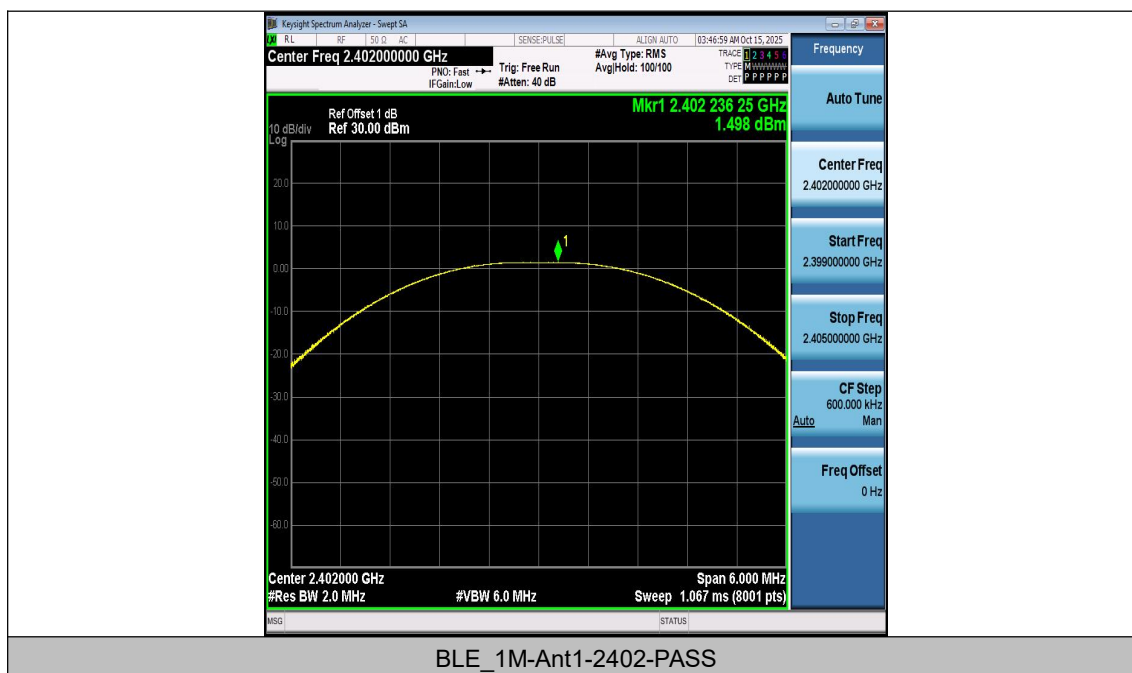
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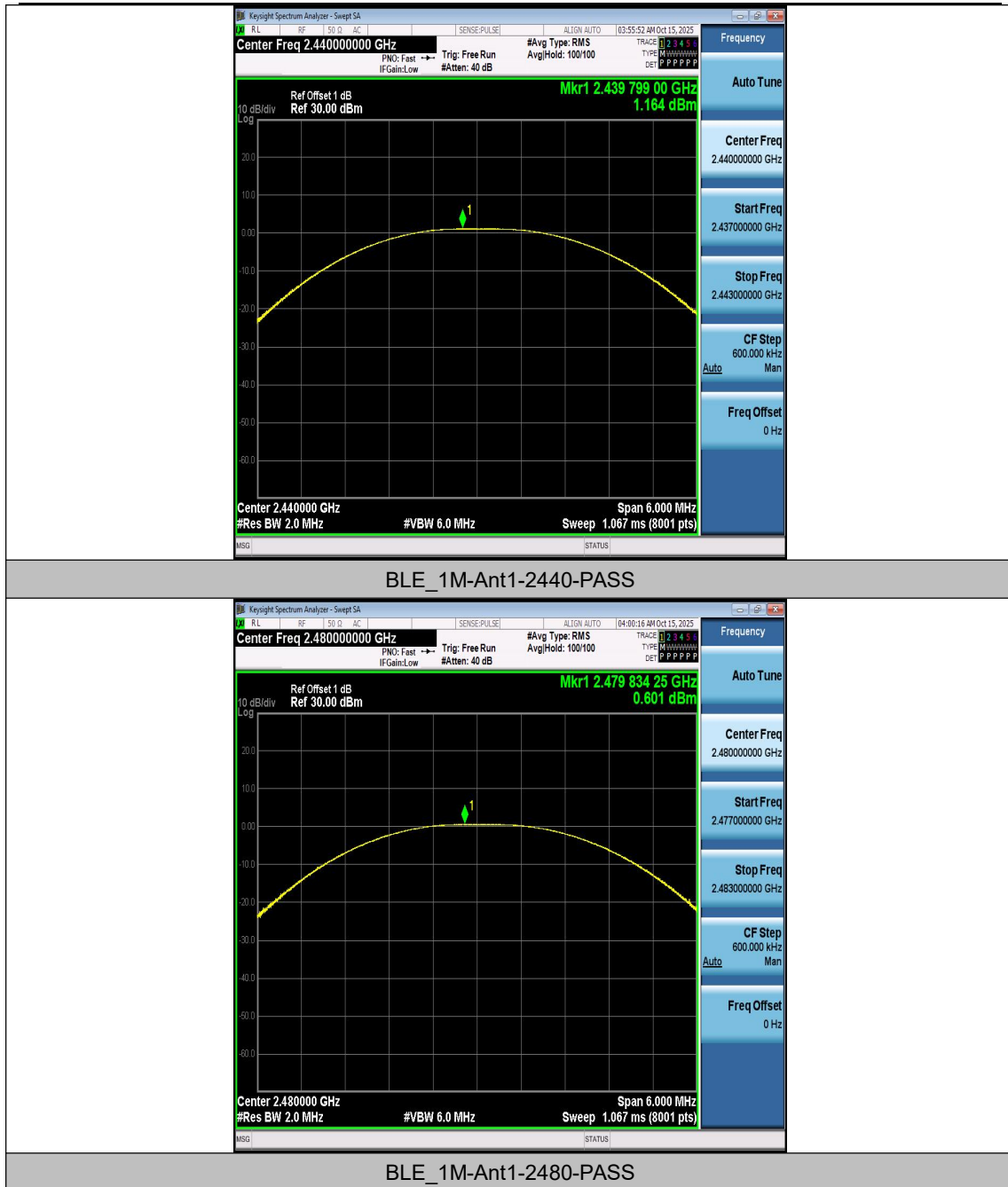
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.50	≤30	PASS
BLE_1M	Ant1	2440	1.16	≤30	PASS
BLE_1M	Ant1	2480	0.60	≤30	PASS

Test Graphs Peak





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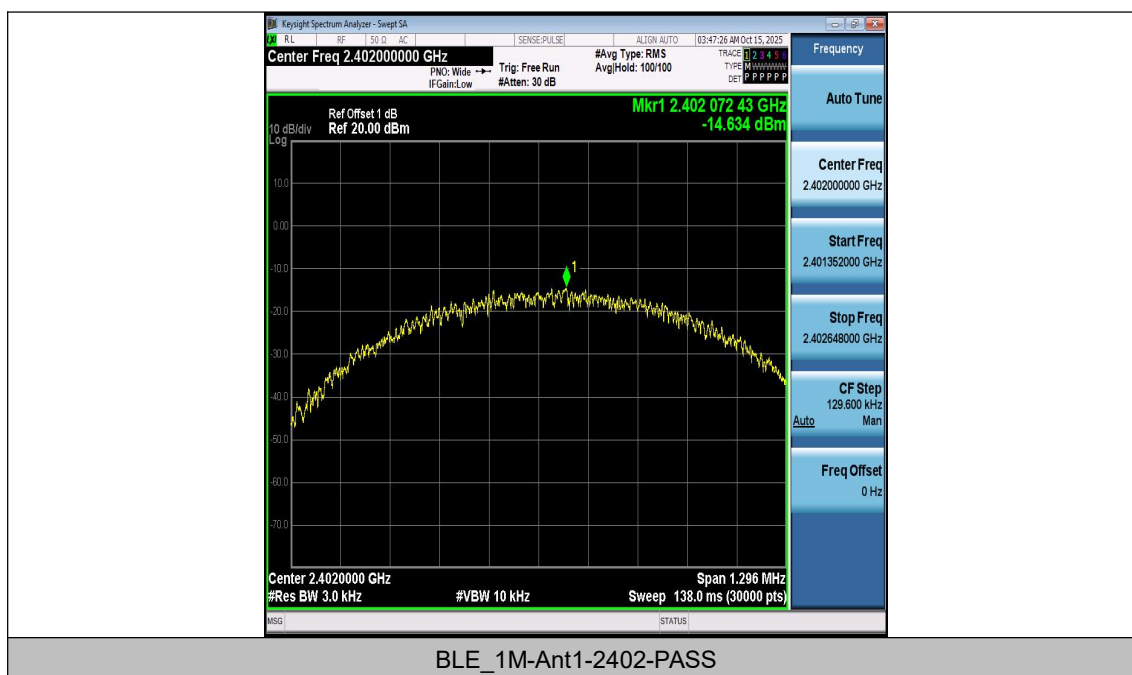
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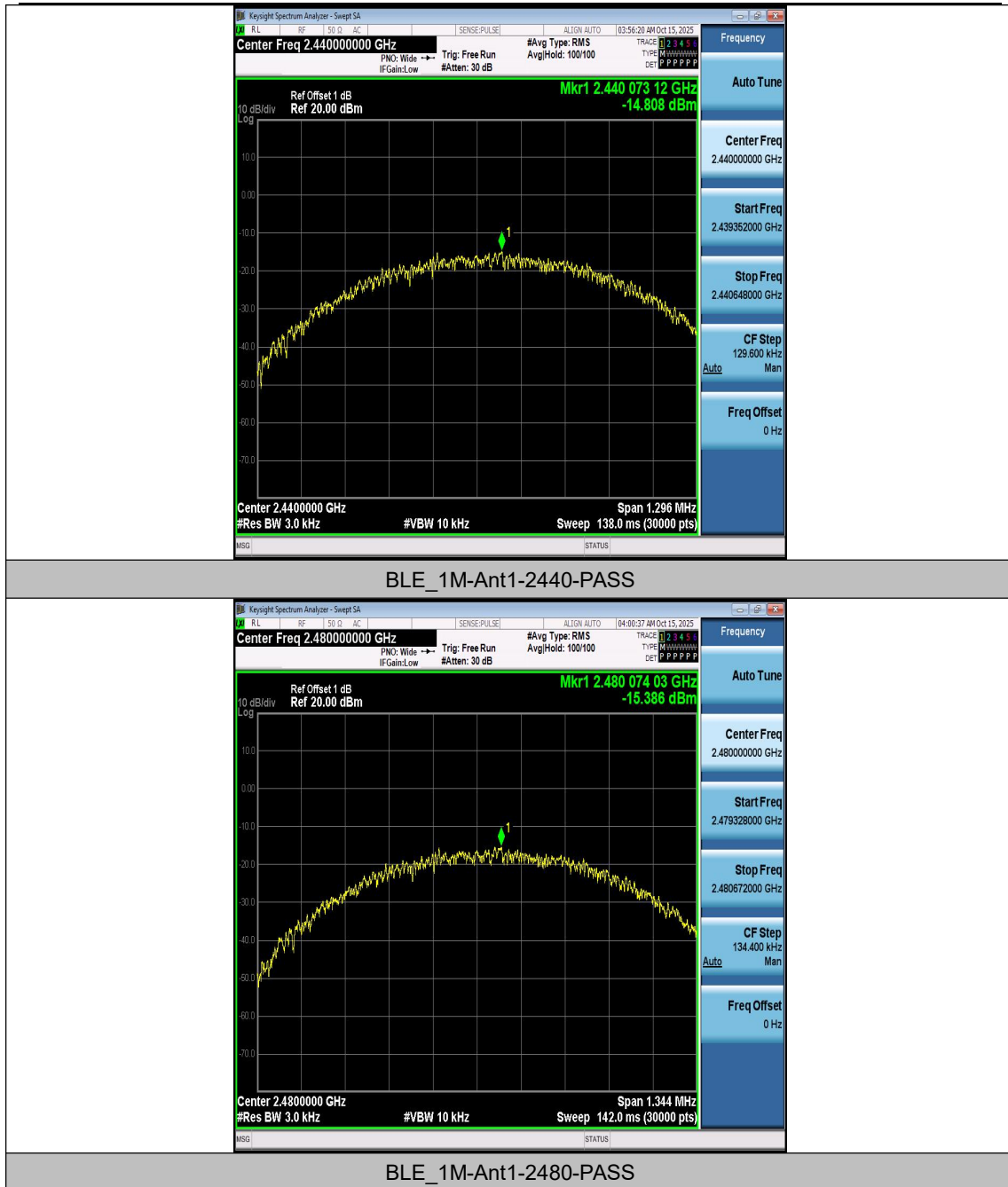
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.63	≤8.00	PASS
BLE_1M	Ant1	2440	-14.81	≤8.00	PASS
BLE_1M	Ant1	2480	-15.39	≤8.00	PASS

Test Graphs





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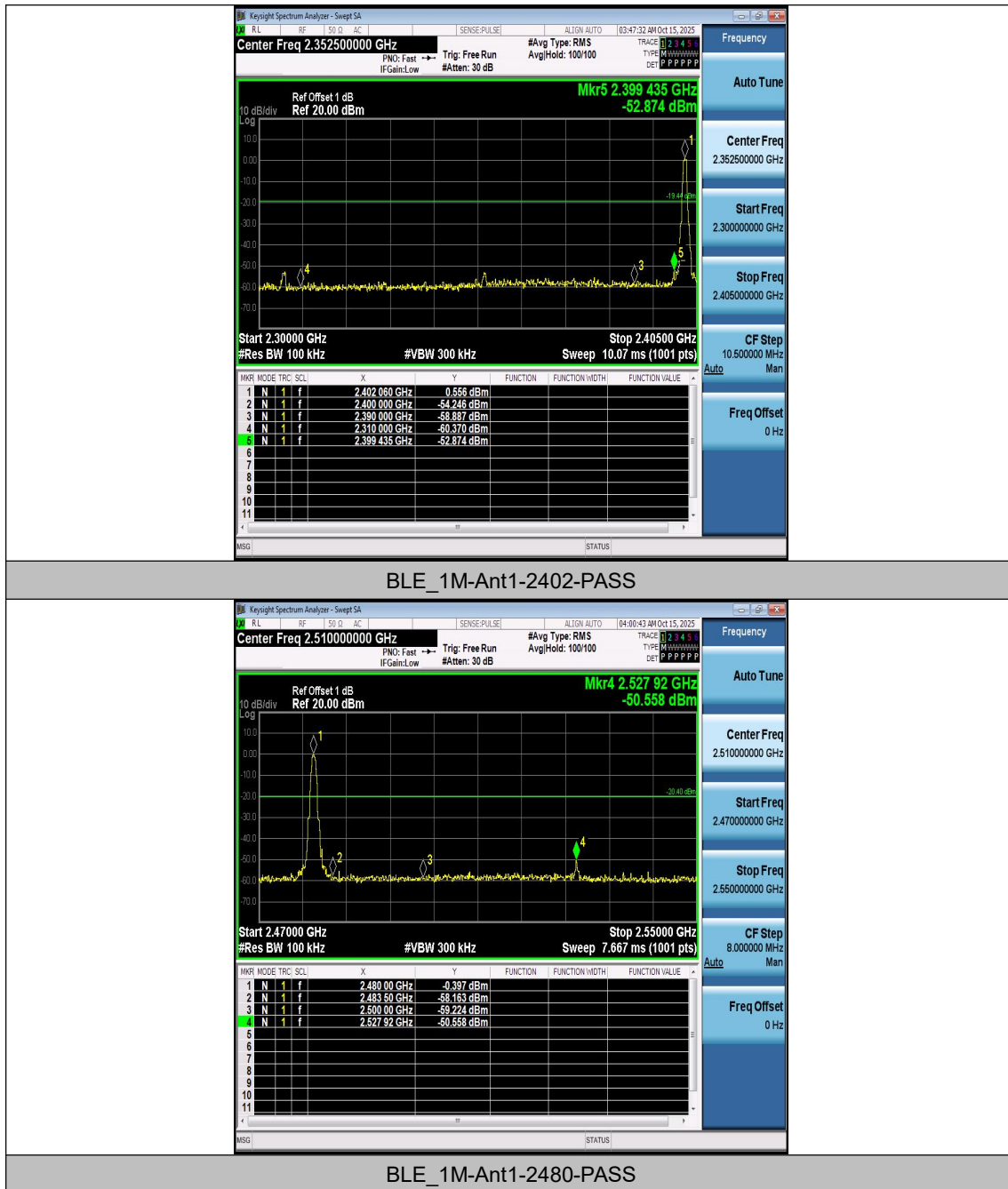
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.56	-52.87	≤-19.44	PASS
BLE_1M	Ant1	High	2480	-0.40	-50.56	≤-20.4	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



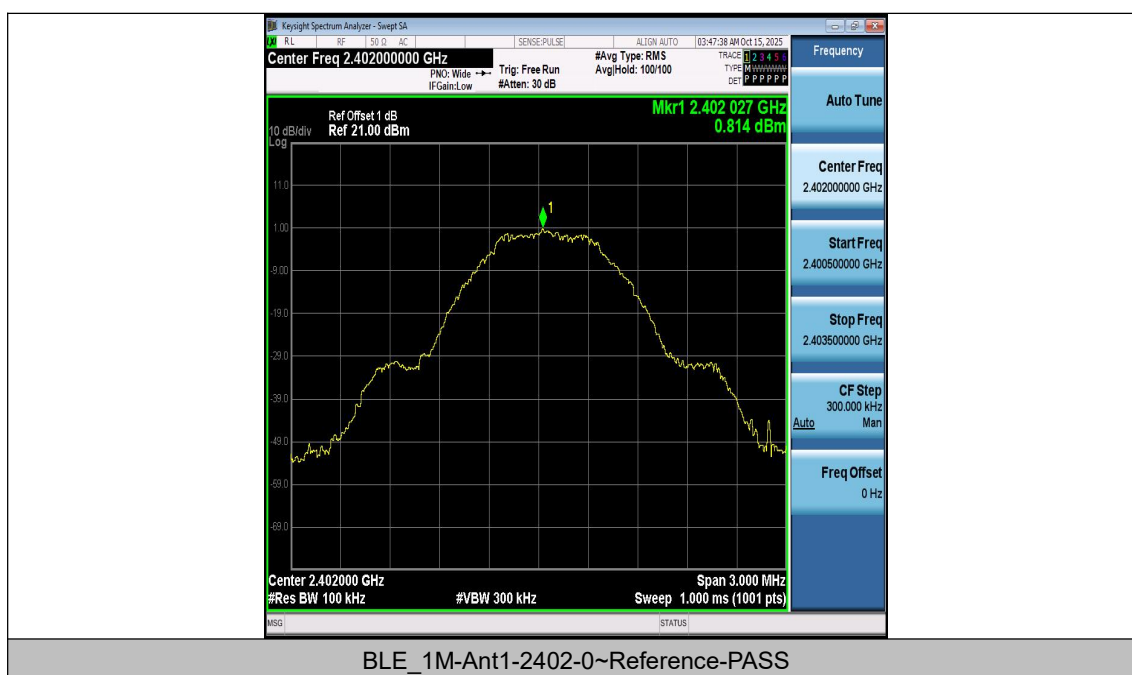
Appendix F: Conducted Spurious Emission

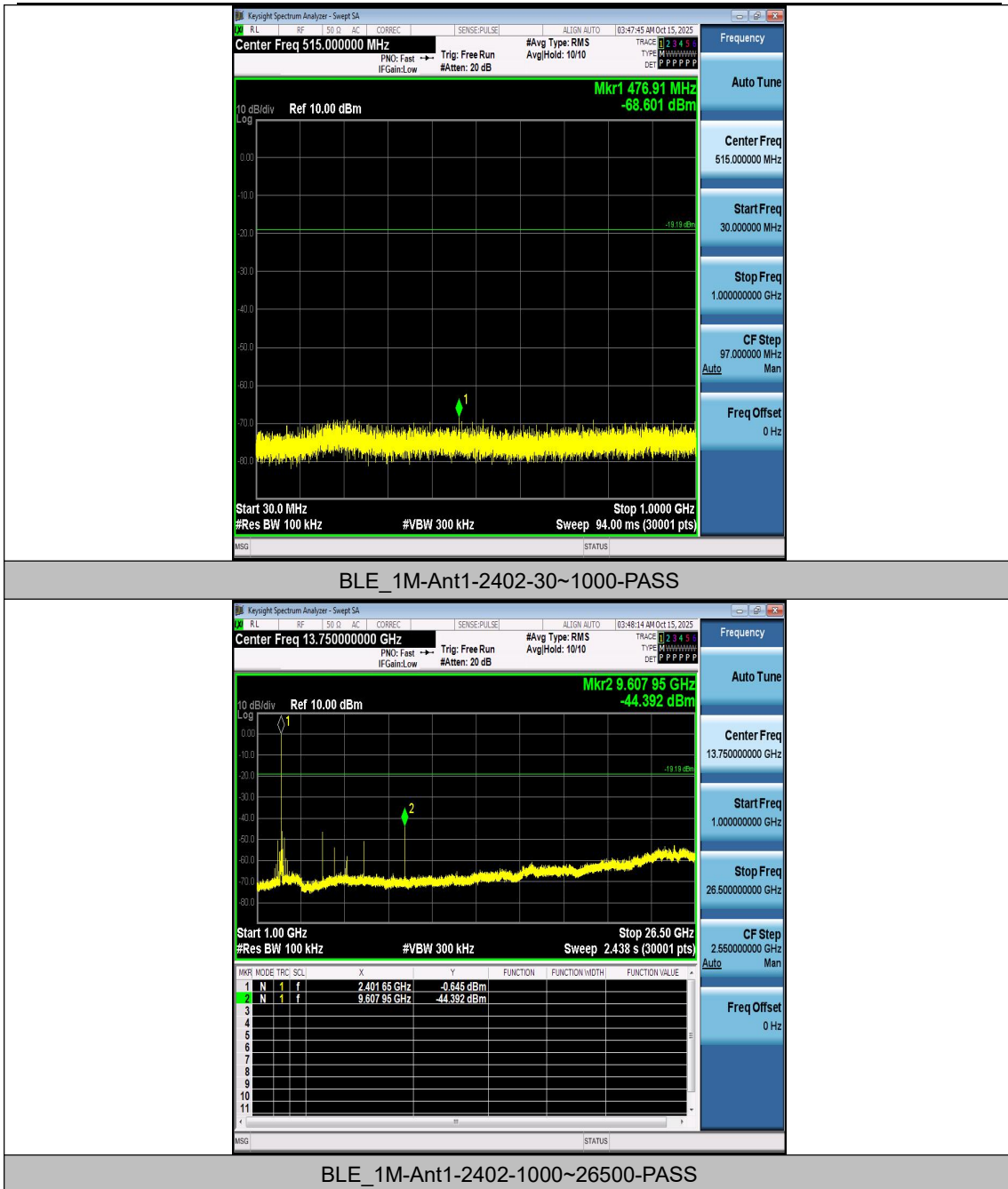
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.81	0.81	---	PASS
BLE_1M	Ant1	2402	30~1000	0.81	-68.6	≤-19.19	PASS
BLE_1M	Ant1	2402	1000~26500	0.81	-44.39	≤-19.19	PASS
BLE_1M	Ant1	2440	0~Reference	1.01	1.01	---	PASS
BLE_1M	Ant1	2440	30~1000	1.01	-68.77	≤-18.99	PASS
BLE_1M	Ant1	2440	1000~26500	1.01	-44.72	≤-18.99	PASS
BLE_1M	Ant1	2480	0~Reference	0.34	0.34	---	PASS
BLE_1M	Ant1	2480	30~1000	0.34	-68.15	≤-19.66	PASS
BLE_1M	Ant1	2480	1000~26500	0.34	-45.3	≤-19.66	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

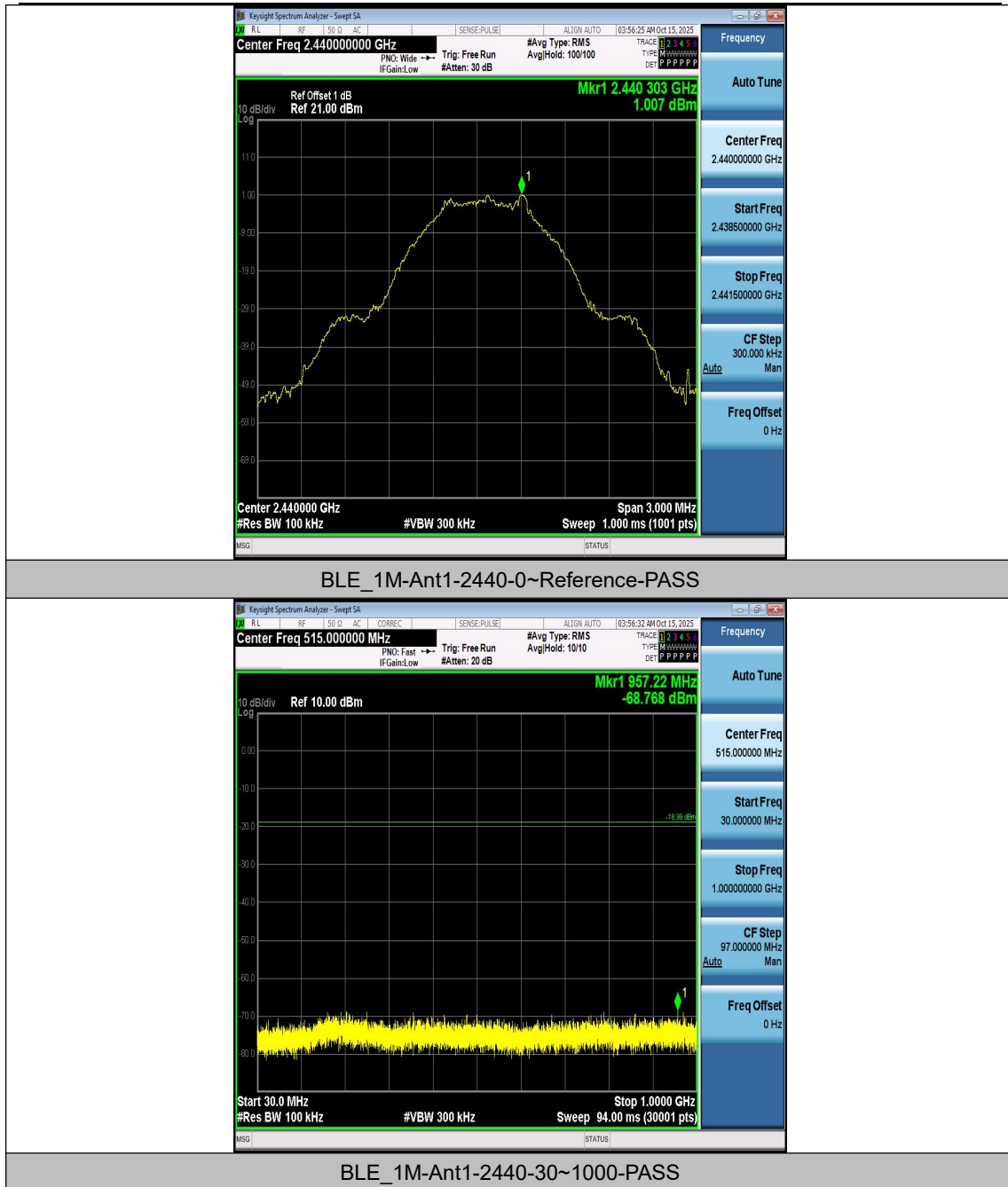




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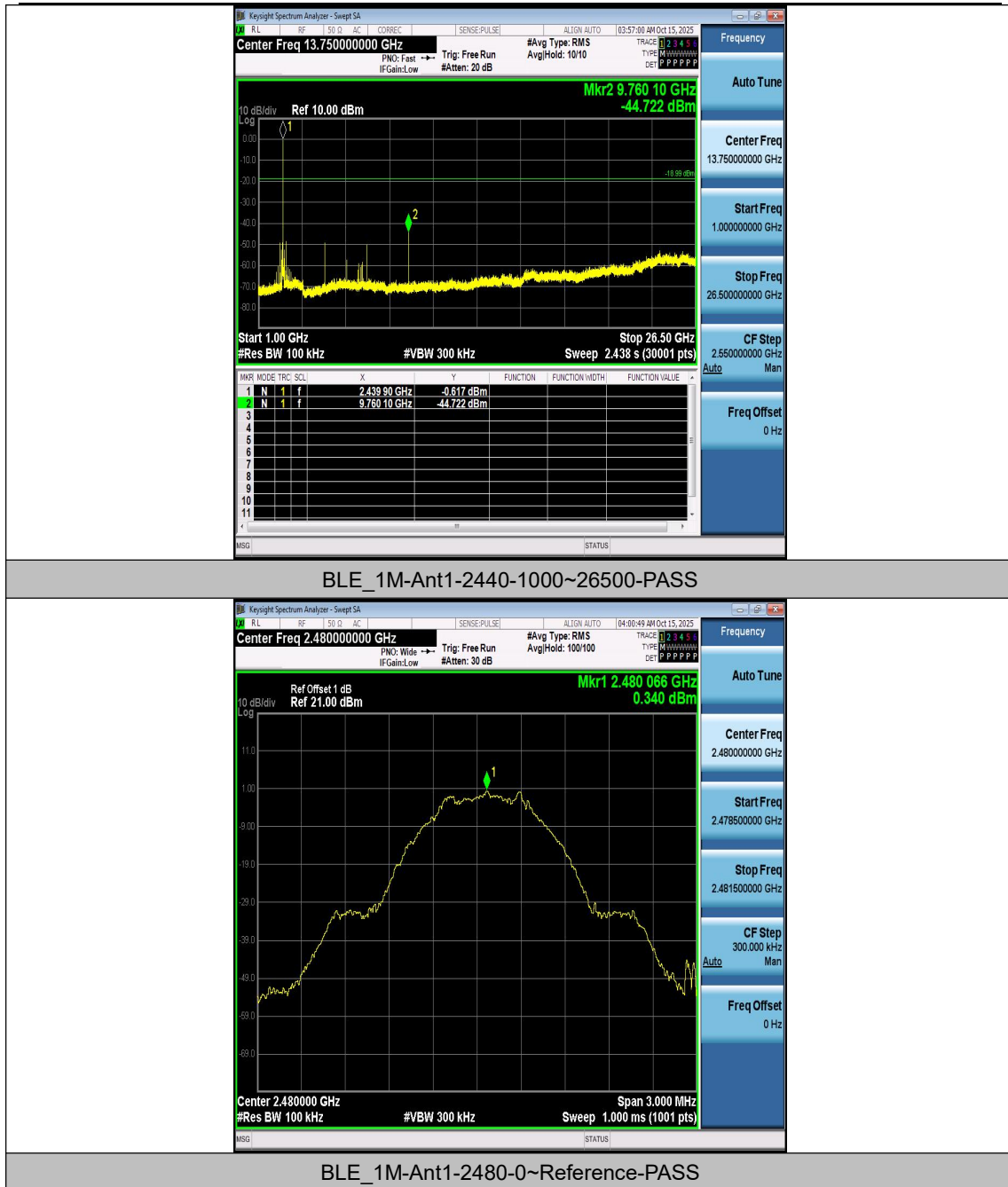
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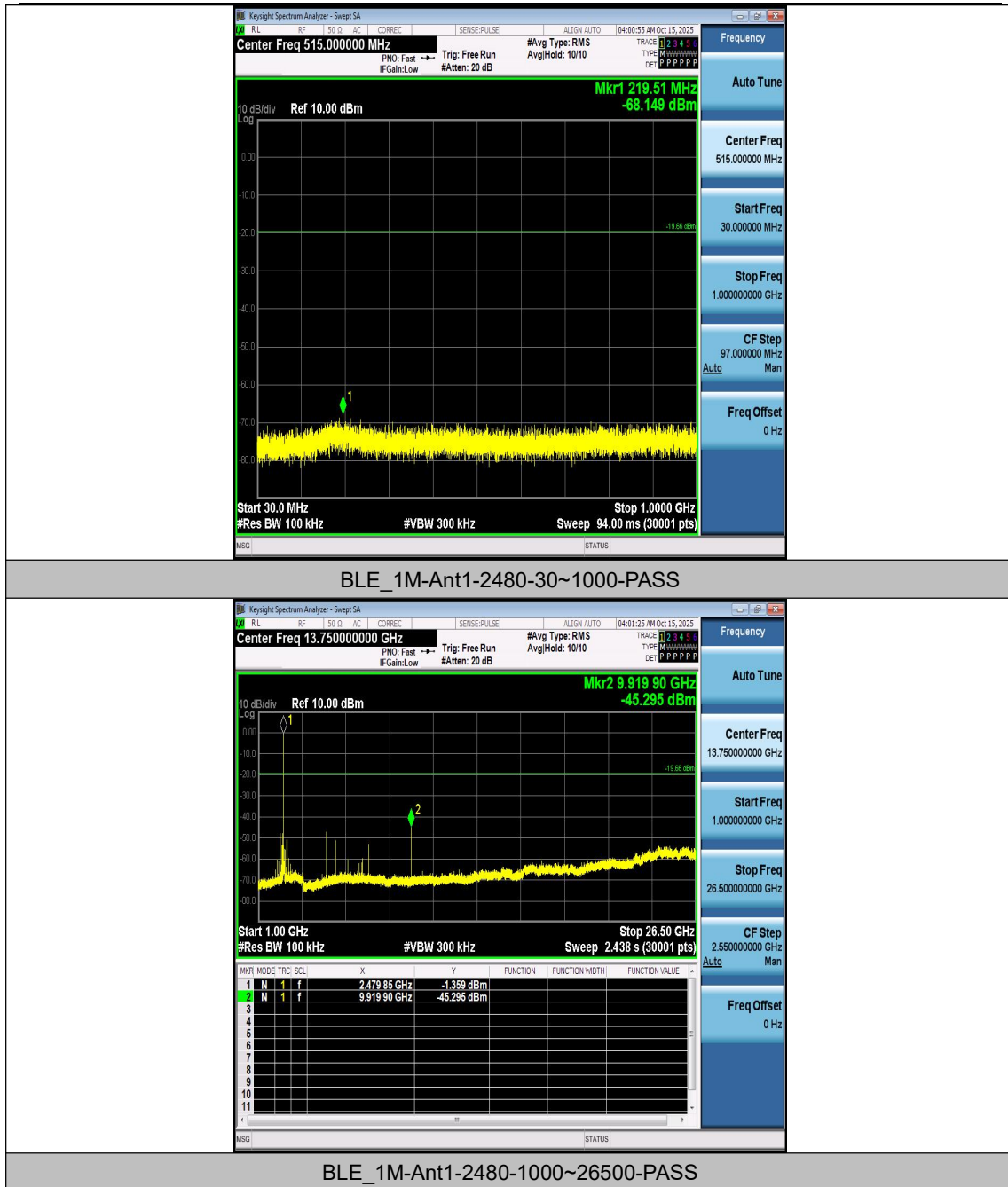
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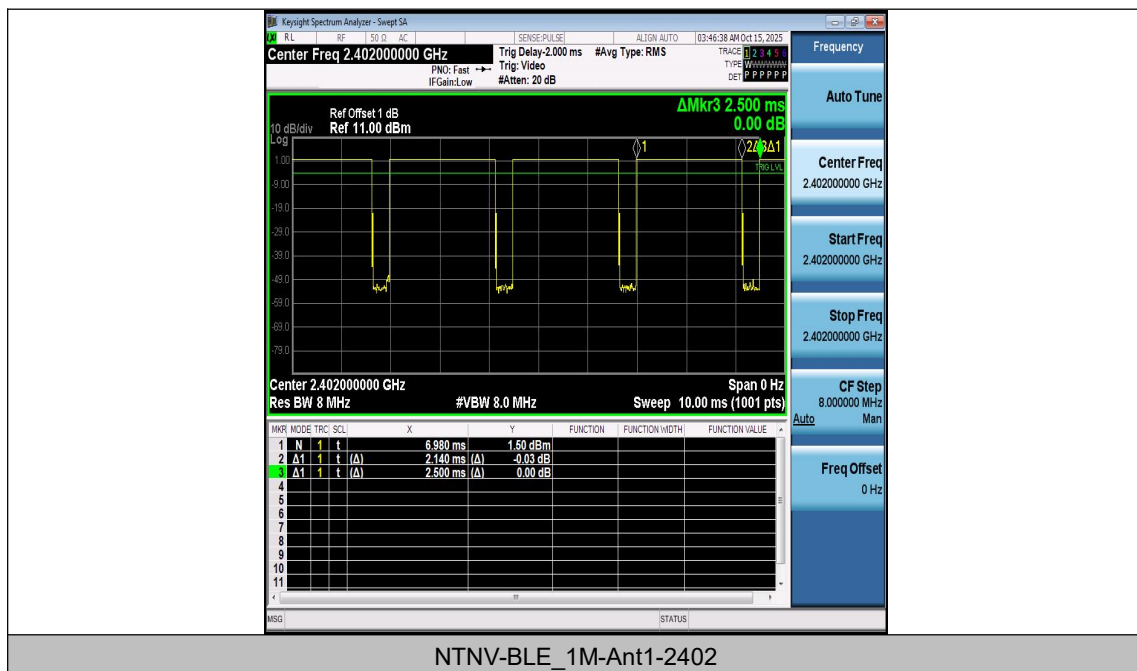
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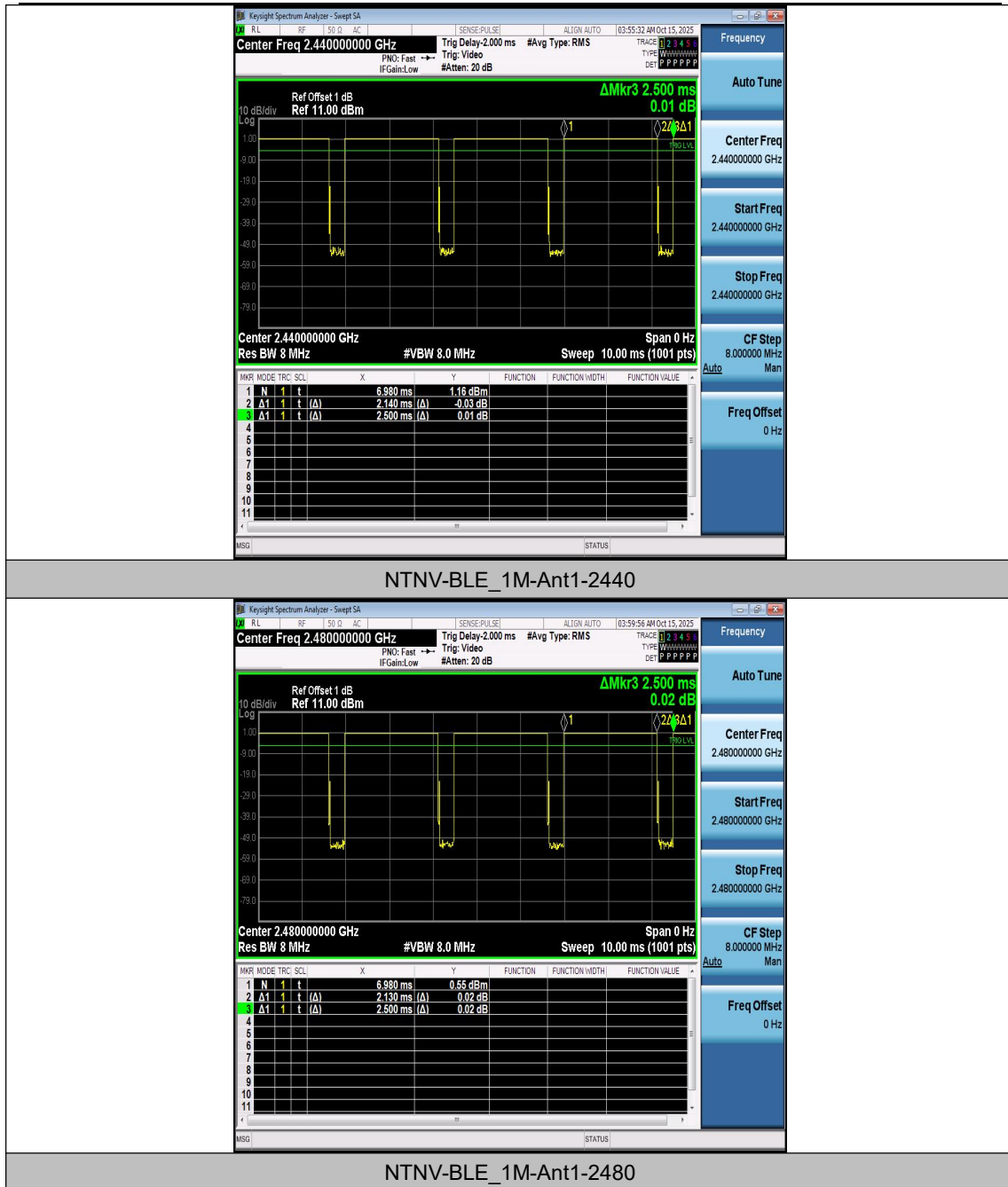
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.14	2.50	85.60	0.68
BLE_1M	Ant1	2440	2.14	2.50	85.60	0.68
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

Test Graphs





---End---