

Appendix Test Data

Report No.:	1812C50673312501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-22	Finish Test Date:	2025-12-22
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.2°C	Relative Humidity:	51%
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	0.644	2401.664	2402.308	0.5	PASS
BLE_1M	Ant1	2440	0.624	2439.688	2440.312	0.5	PASS
BLE_1M	Ant1	2480	0.656	2479.656	2480.312	0.5	PASS

Test Graphs





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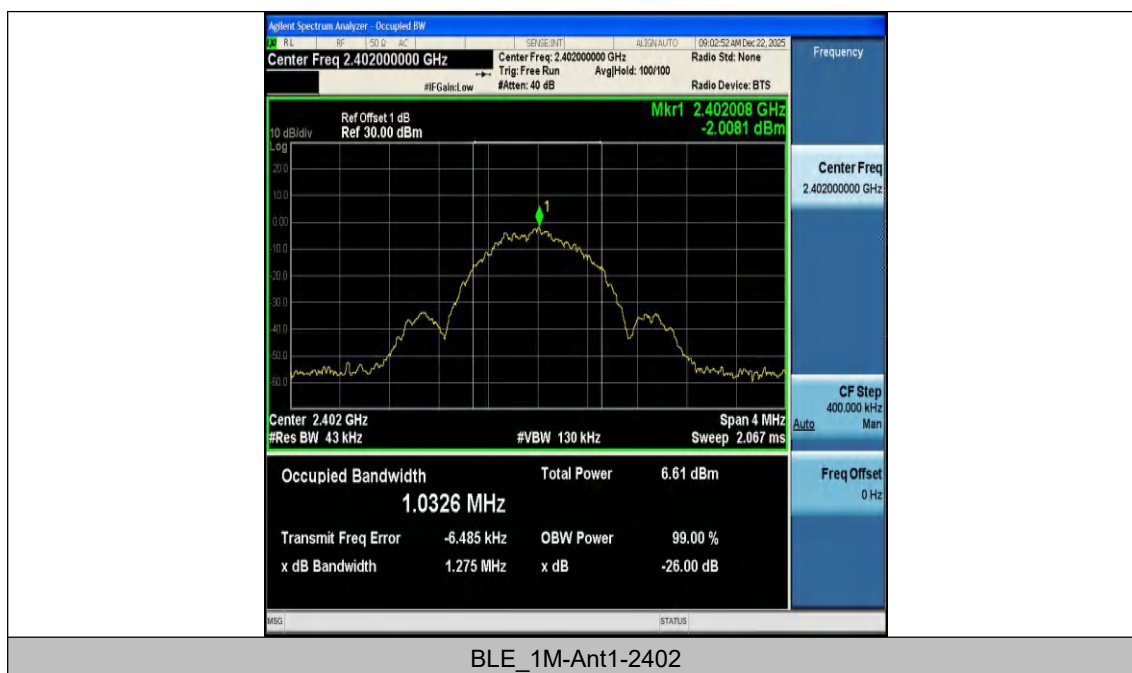
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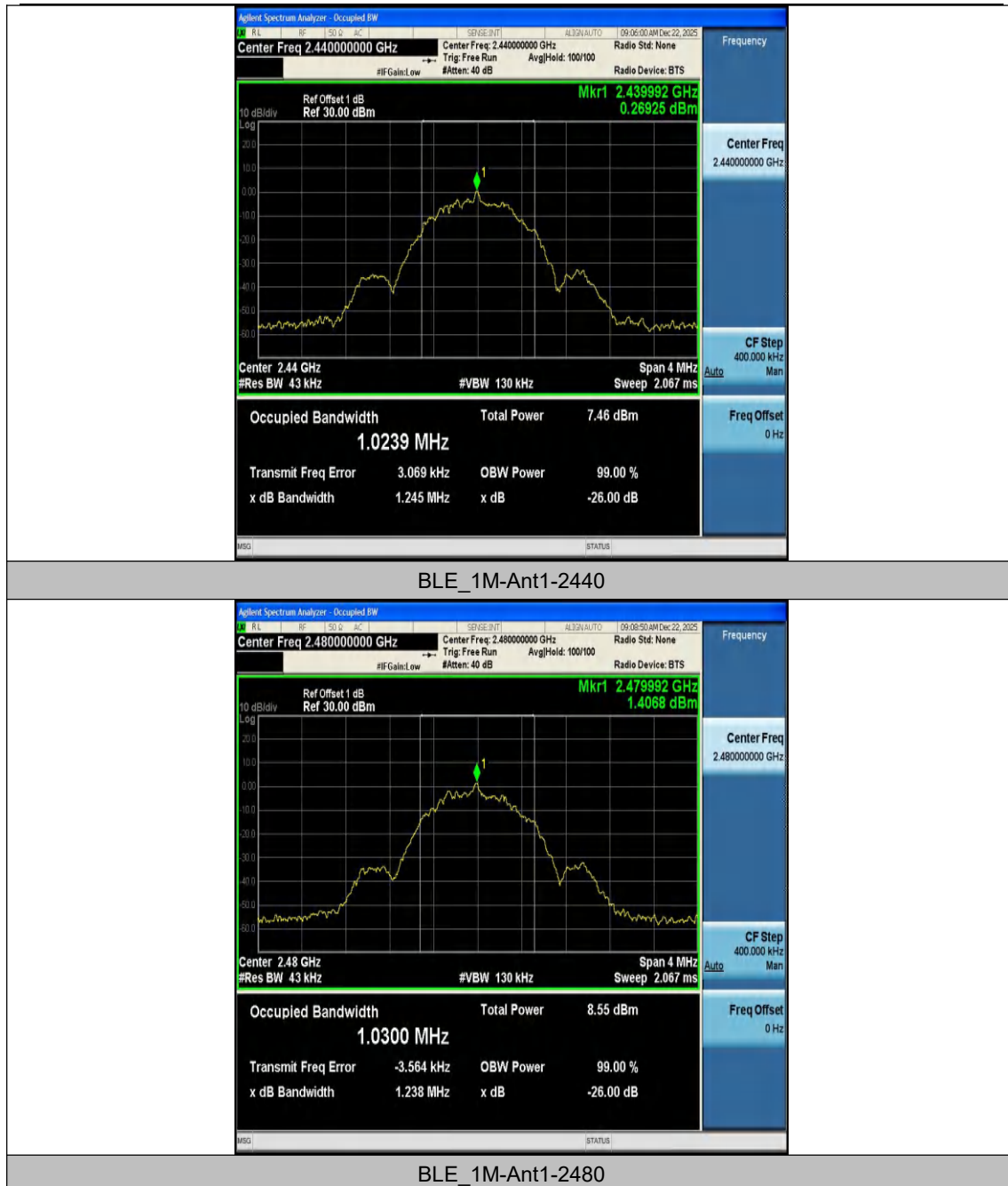
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0326	2401.4772	2402.5098	---	---
BLE_1M	Ant1	2440	1.0239	2439.4911	2440.5150	---	---
BLE_1M	Ant1	2480	1.0300	2479.4814	2480.5114	---	---

Test Graphs





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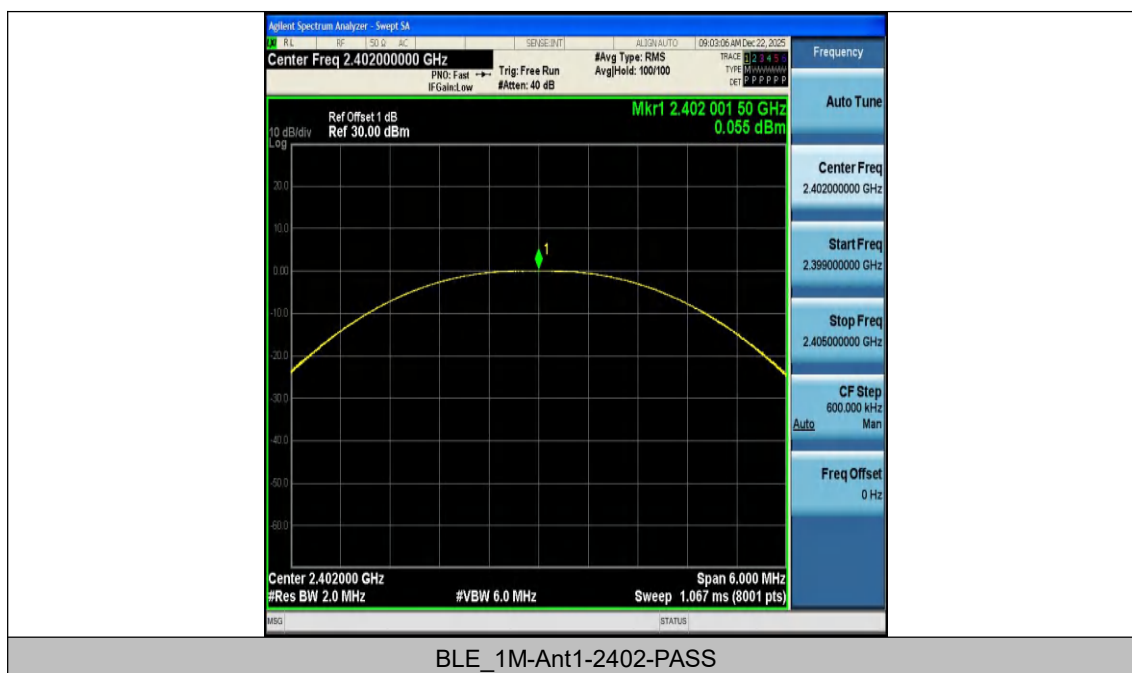
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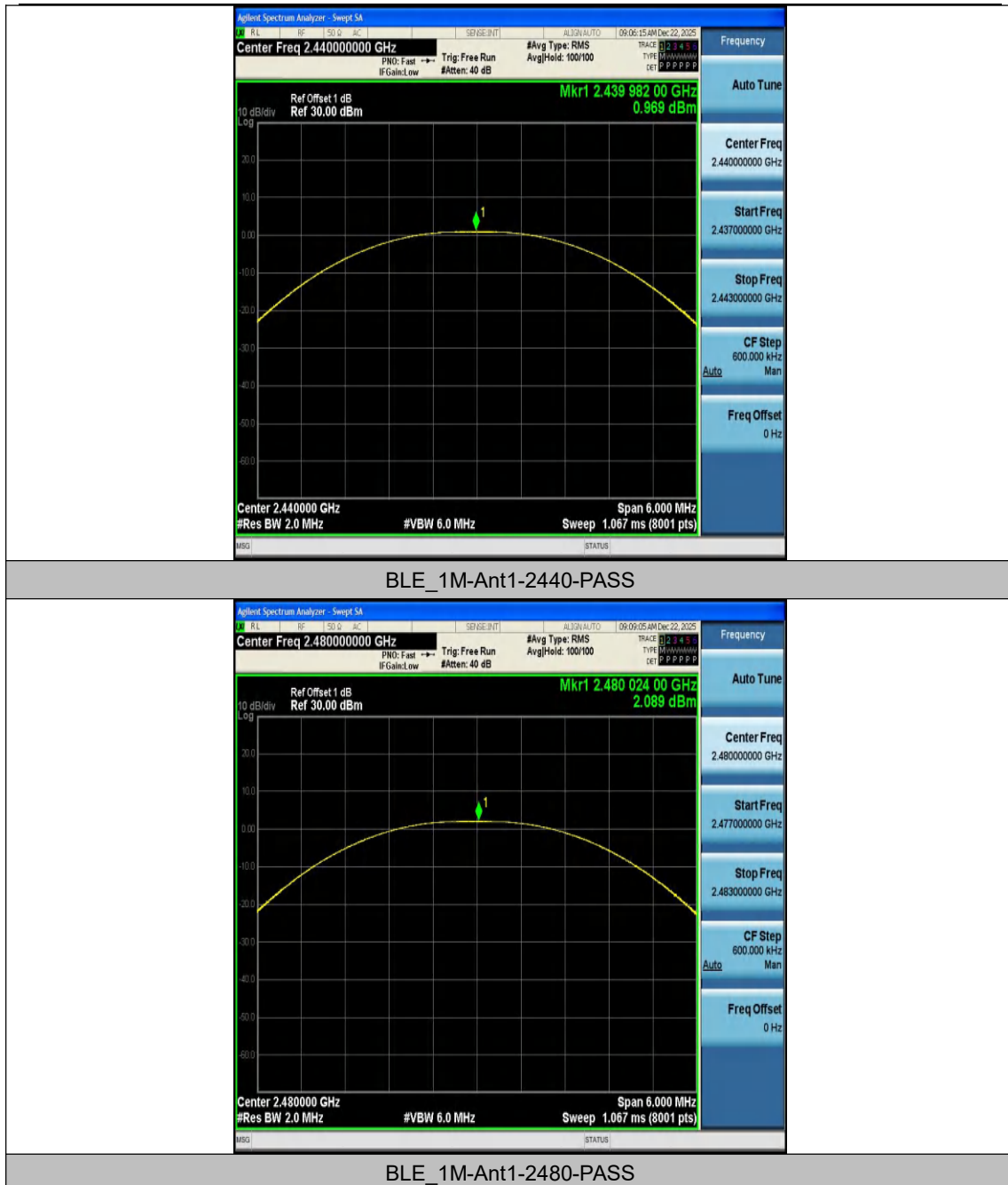
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.06	≤30	PASS
BLE_1M	Ant1	2440	0.97	≤30	PASS
BLE_1M	Ant1	2480	2.09	≤30	PASS

Test Graphs Peak





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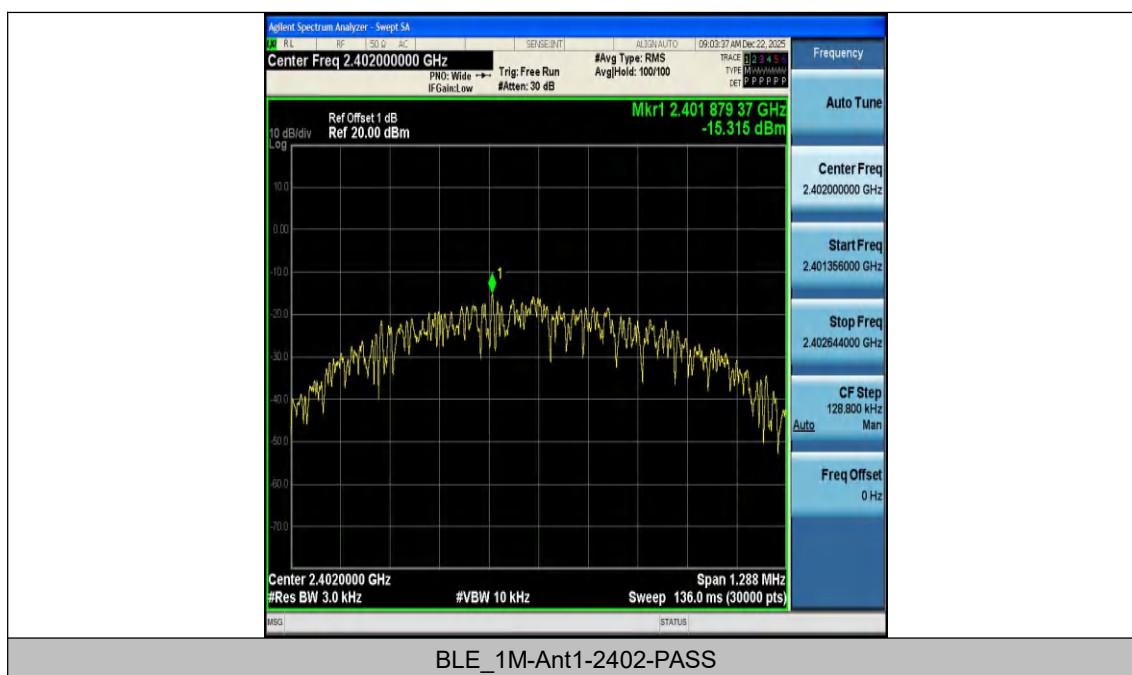
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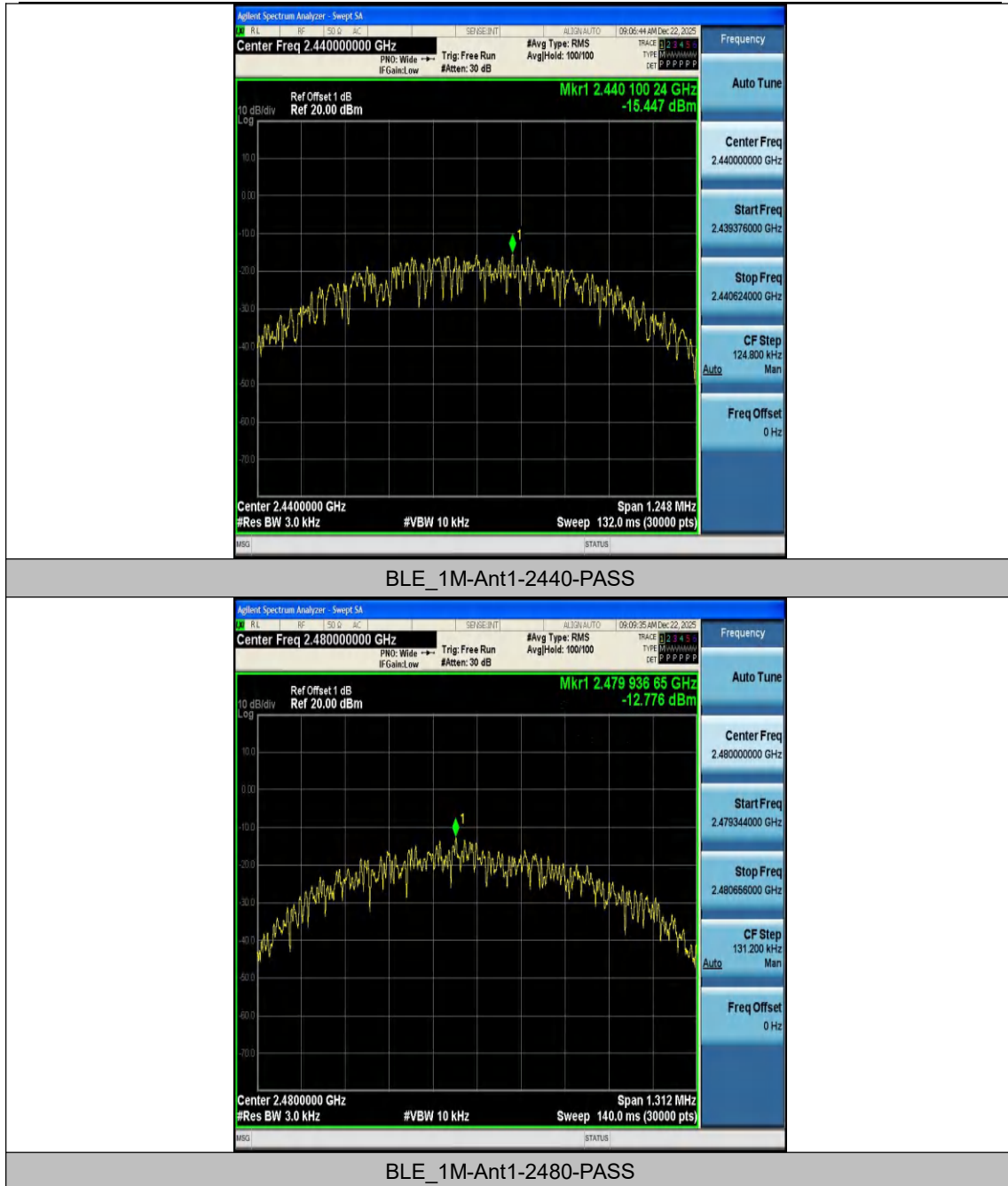
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.32	≤8.00	PASS
BLE_1M	Ant1	2440	-15.45	≤8.00	PASS
BLE_1M	Ant1	2480	-12.78	≤8.00	PASS

Test Graphs





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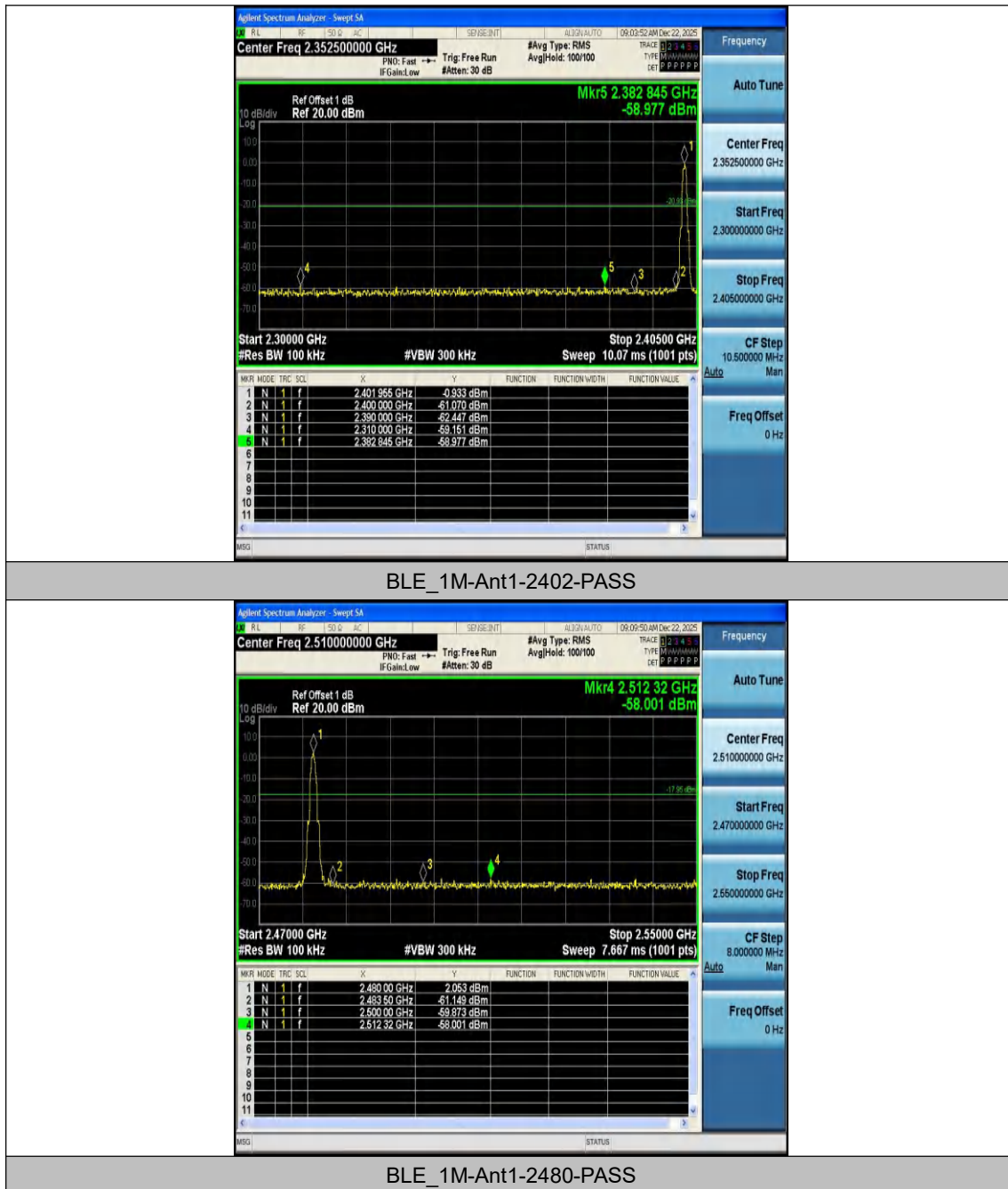
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.93	-58.98	≤-20.93	PASS
BLE_1M	Ant1	High	2480	2.05	-58	≤-17.95	PASS

Test Graphs



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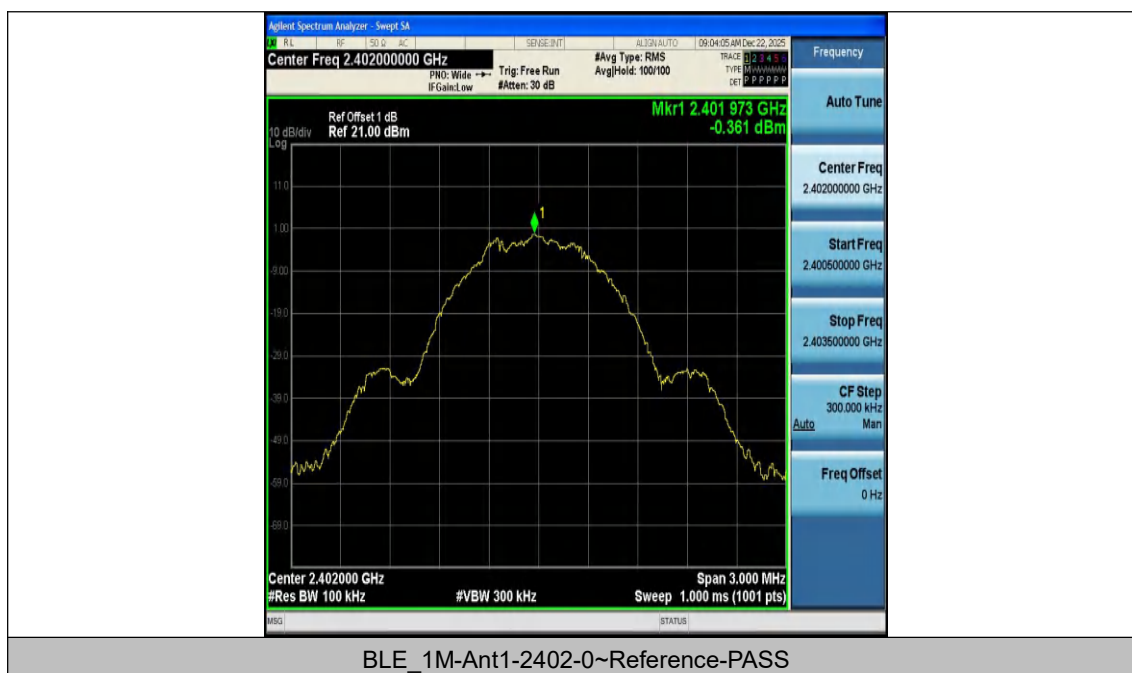
Appendix F: Conducted Spurious Emission

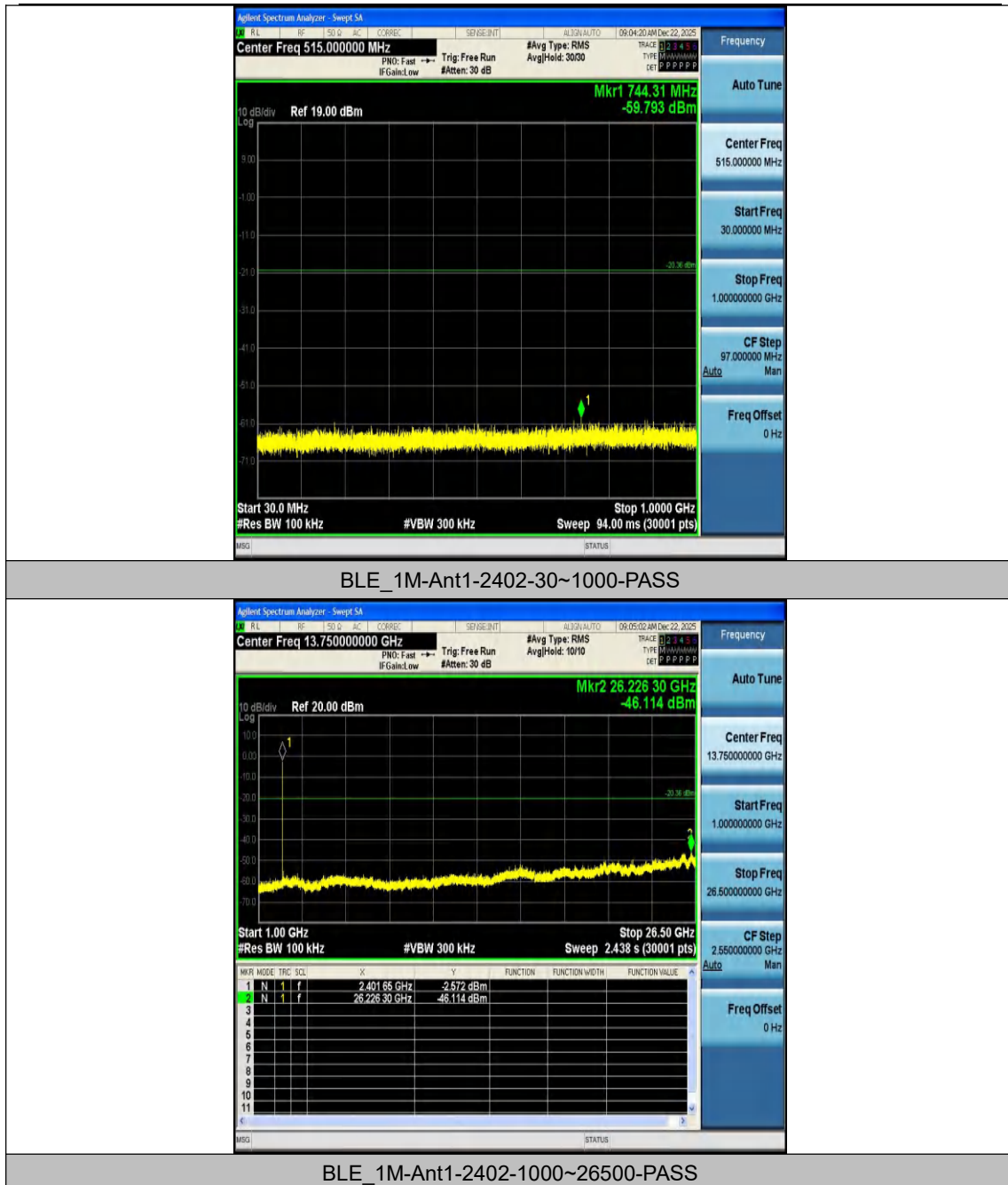
Test Result

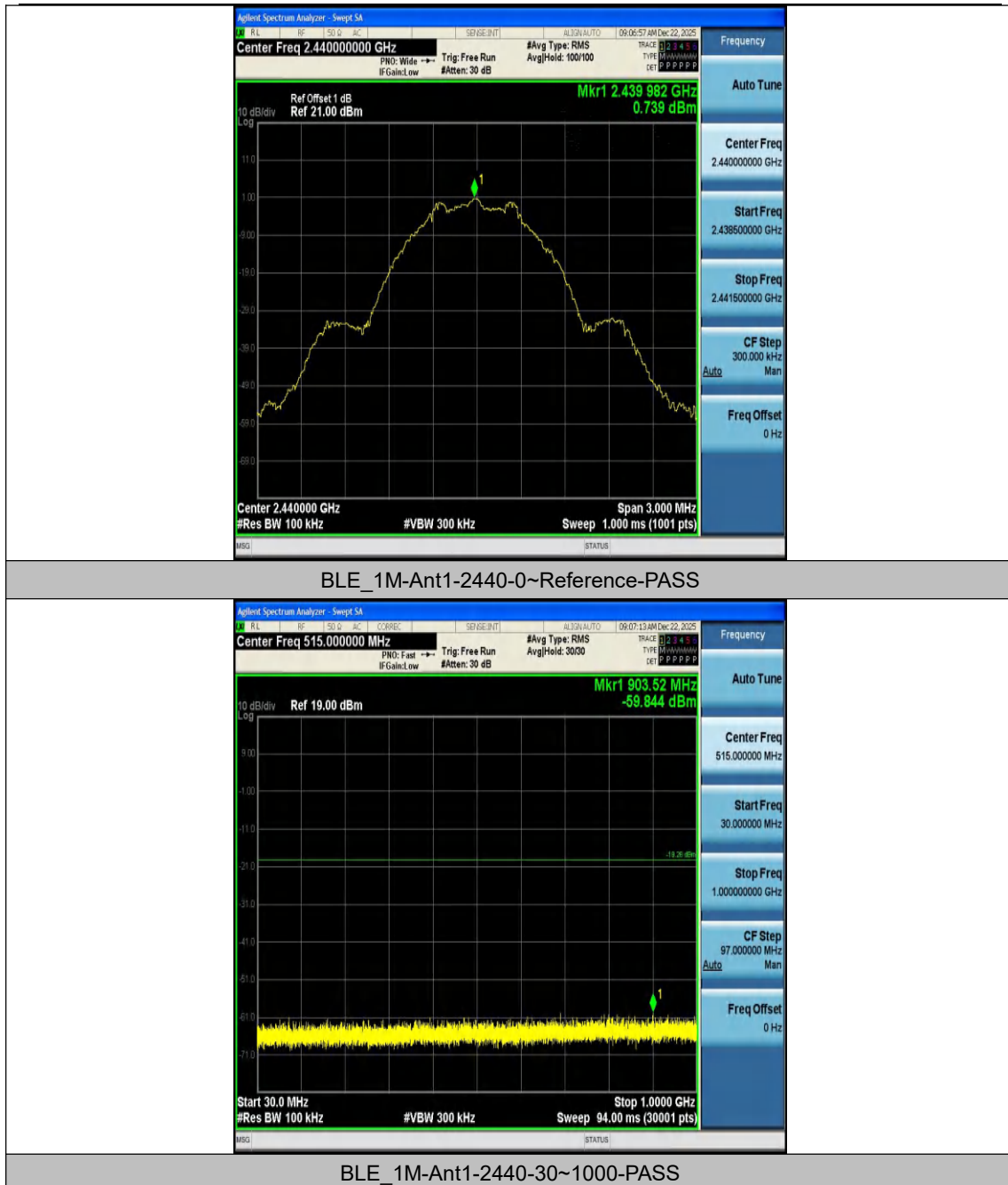
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.36	-0.36	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.36	-59.79	≤-20.36	PASS
BLE_1M	Ant1	2402	1000~26500	-0.36	-46.11	≤-20.36	PASS
BLE_1M	Ant1	2440	0~Reference	0.74	0.74	---	PASS
BLE_1M	Ant1	2440	30~1000	0.74	-59.84	≤-19.26	PASS
BLE_1M	Ant1	2440	1000~26500	0.74	-46.15	≤-19.26	PASS
BLE_1M	Ant1	2480	0~Reference	1.88	1.88	---	PASS
BLE_1M	Ant1	2480	30~1000	1.88	-56.6	≤-18.12	PASS
BLE_1M	Ant1	2480	1000~26500	1.88	-46.05	≤-18.12	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs



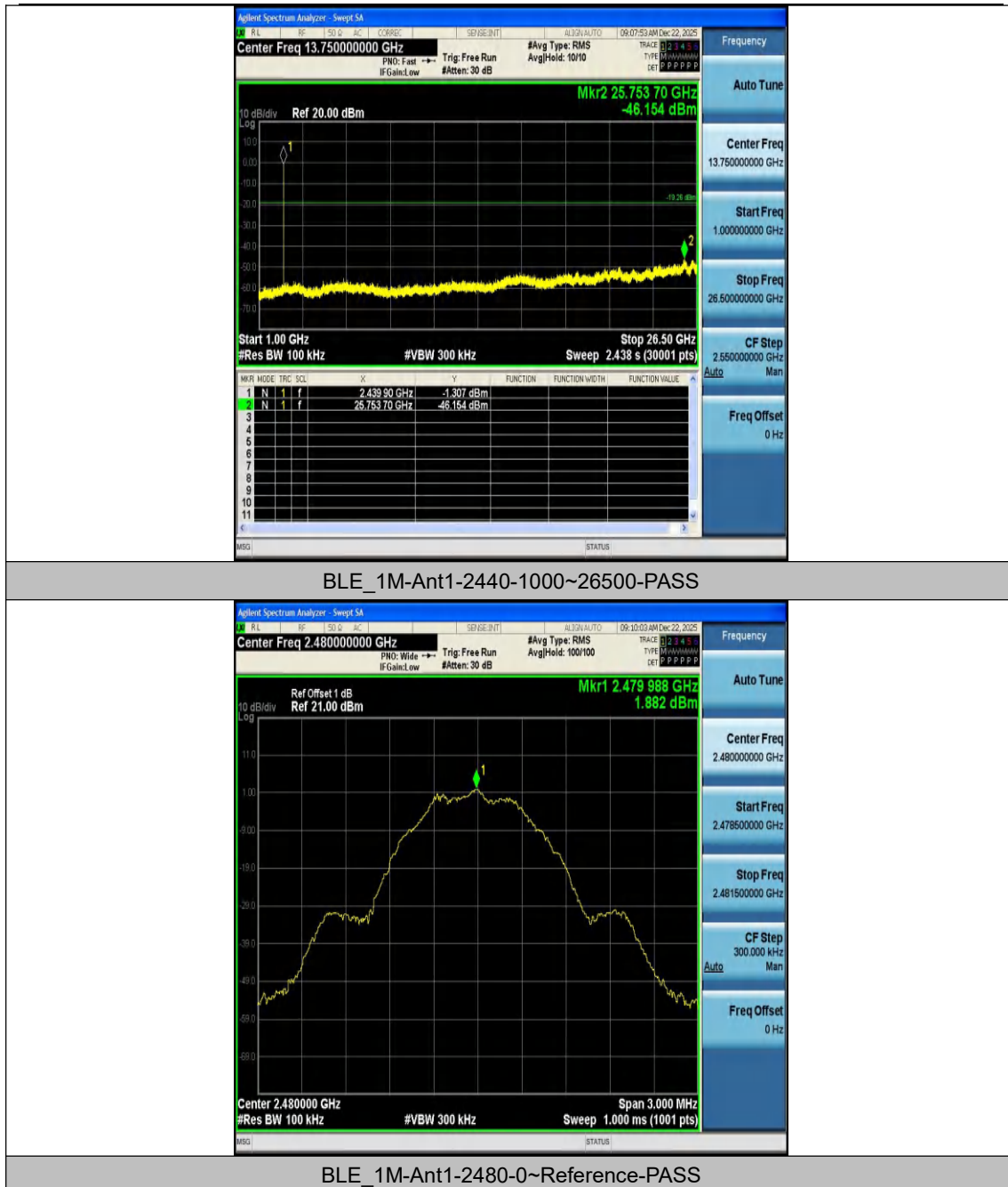




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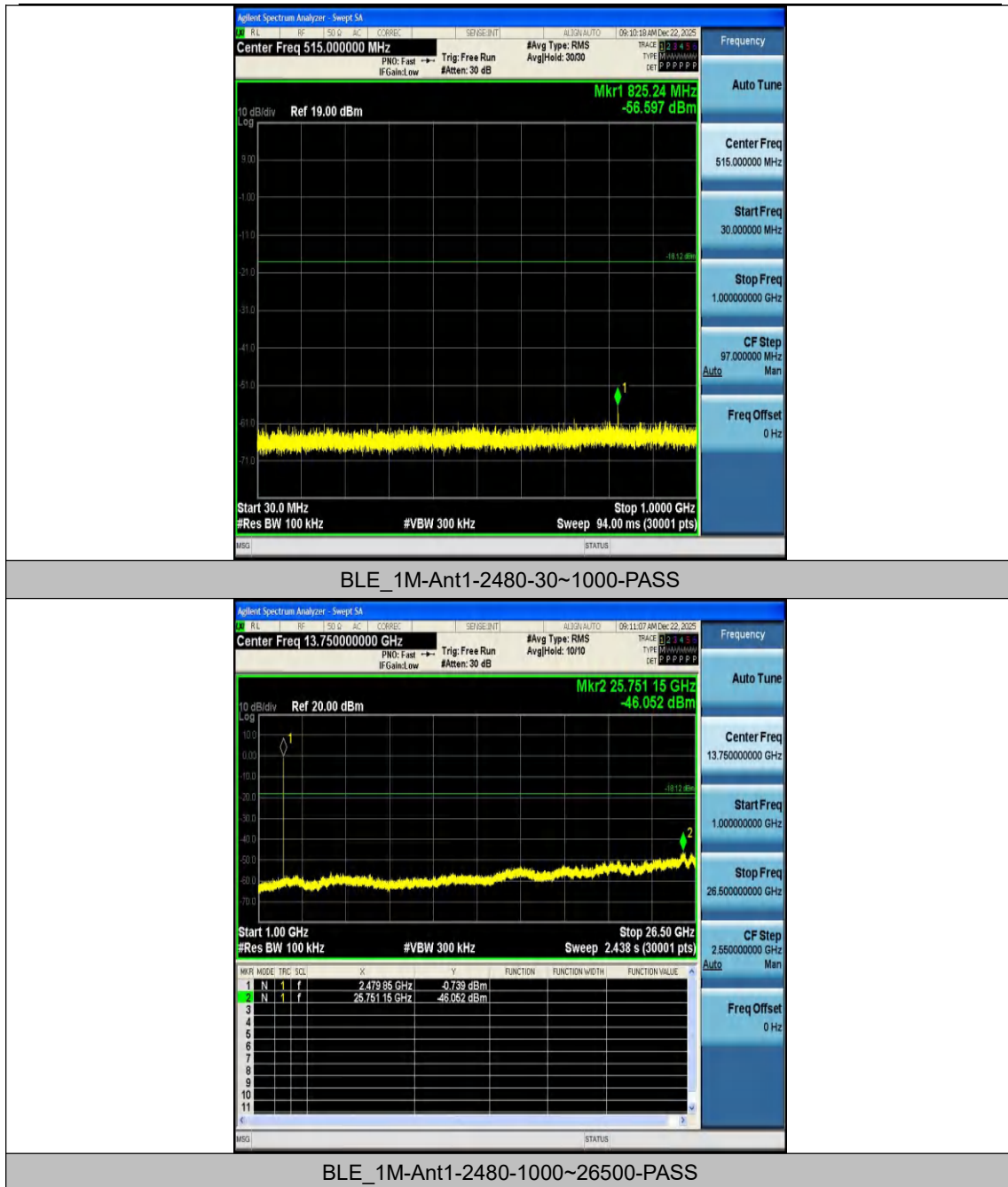
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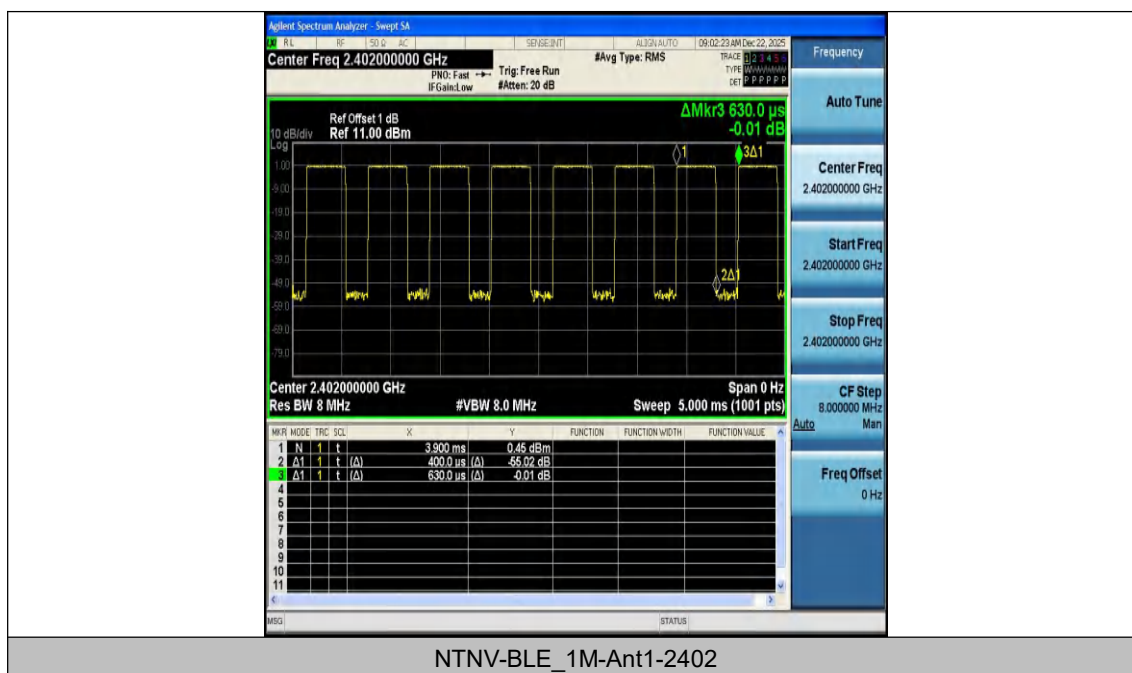
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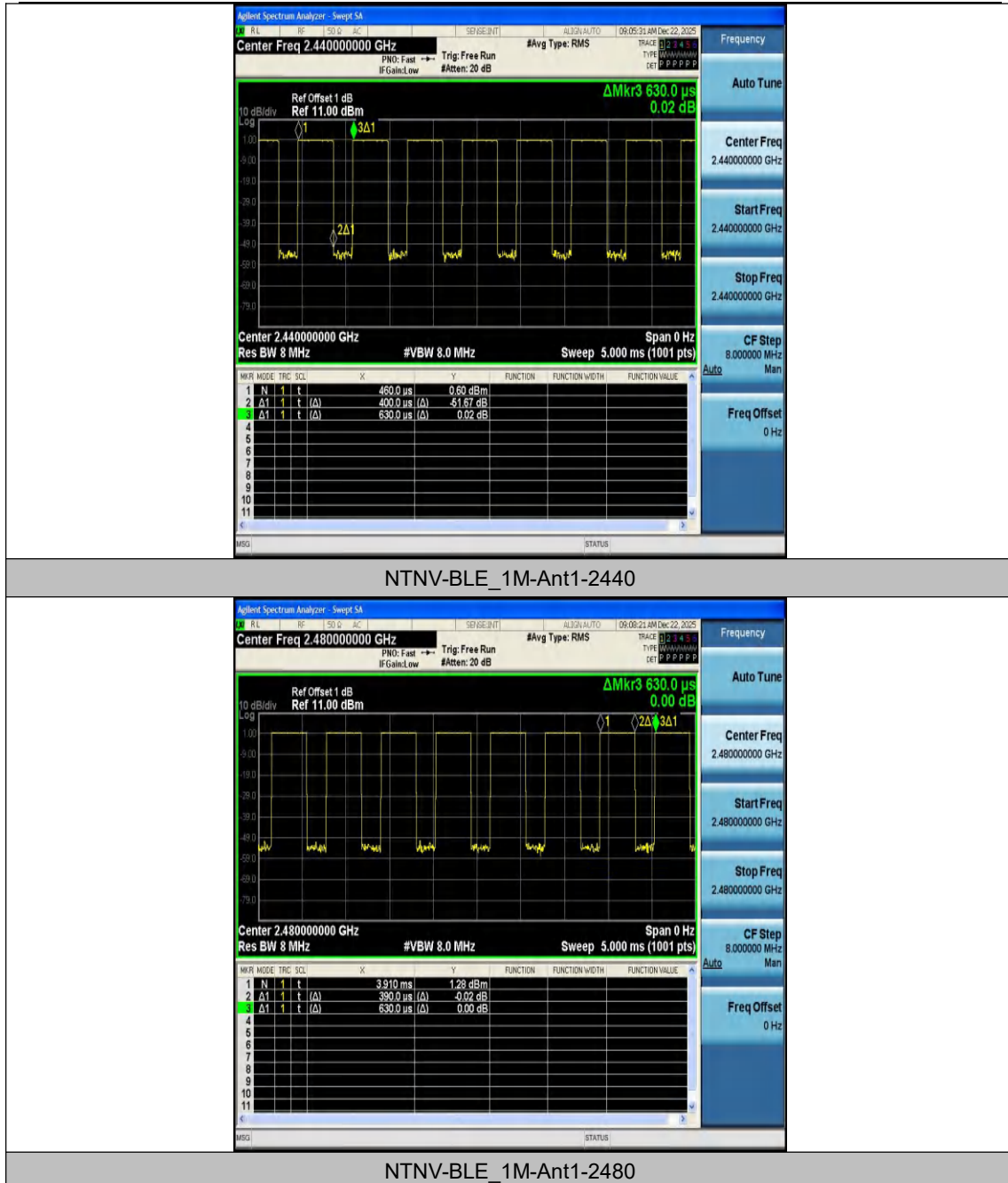
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
BLE_1M	Ant1	2440	0.40	0.63	63.49	1.97
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08

Test Graphs





---End---