

Appendix Test Data

Report No.:	1812C50519112501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-22	Finish Test Date:	2025-10-22
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	22.8°C	Relative Humidity:	48%
Pressure:	101kPa		

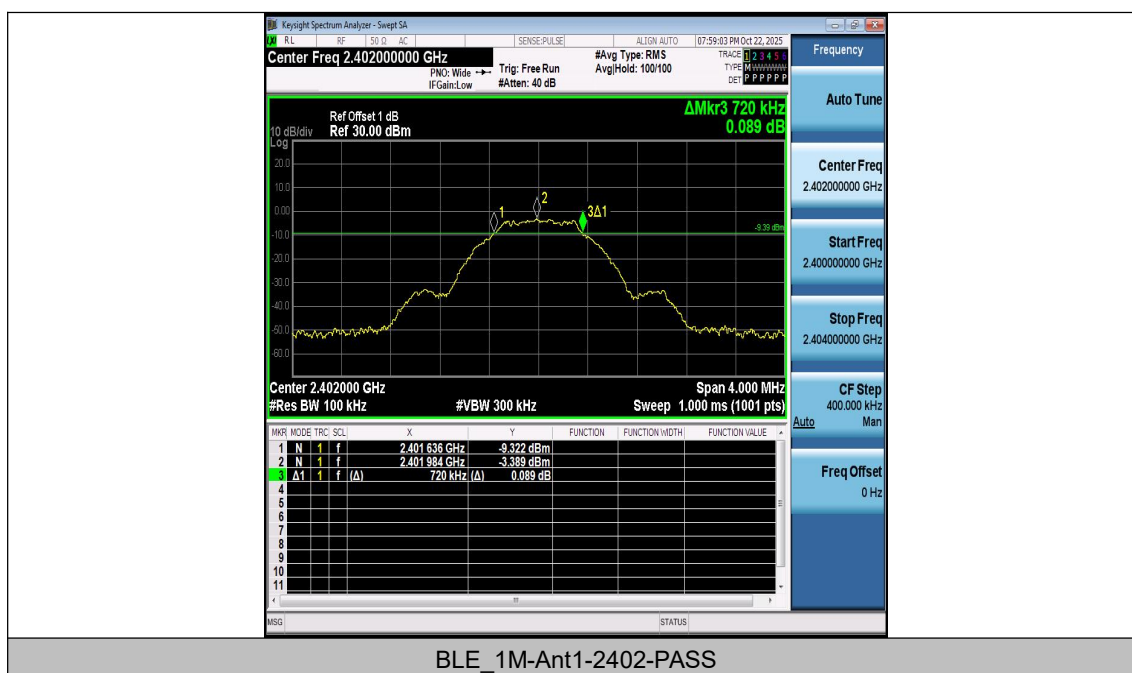


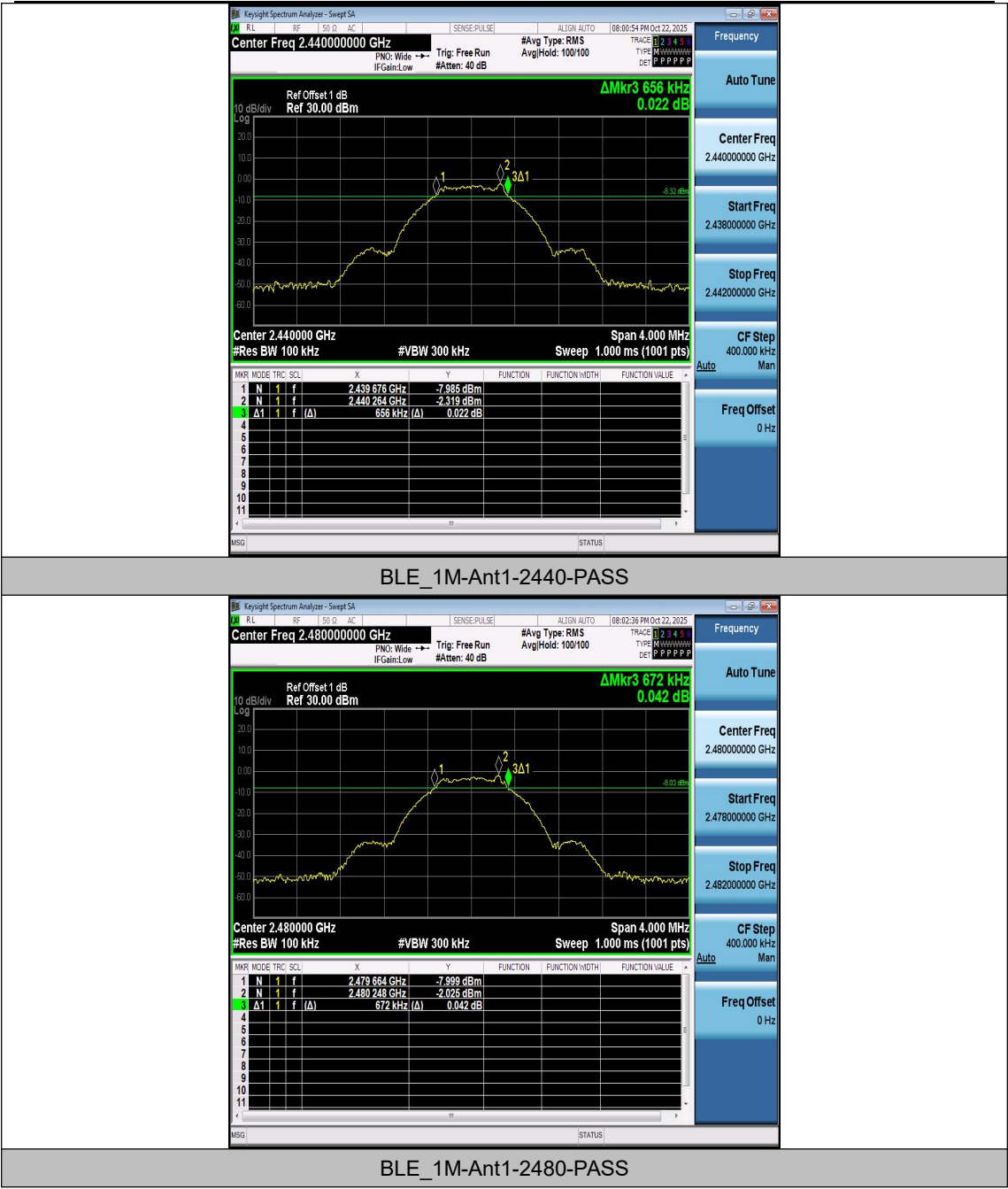
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.720	2401.636	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.656	2439.676	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.664	2480.336	0.5	PASS

Test Graphs



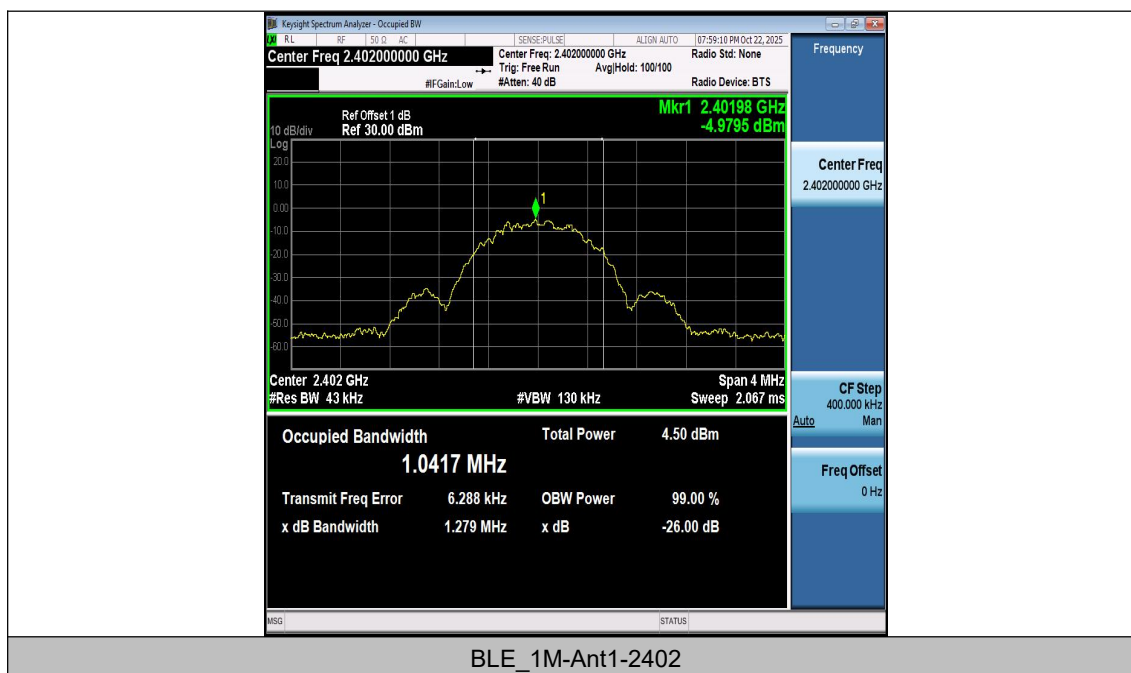


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0417	2401.4854	2402.5271	---	---
BLE_1M	Ant1	2440	1.0274	2439.4920	2440.5194	---	---
BLE_1M	Ant1	2480	1.0400	2479.4860	2480.5260	---	---

Test Graphs



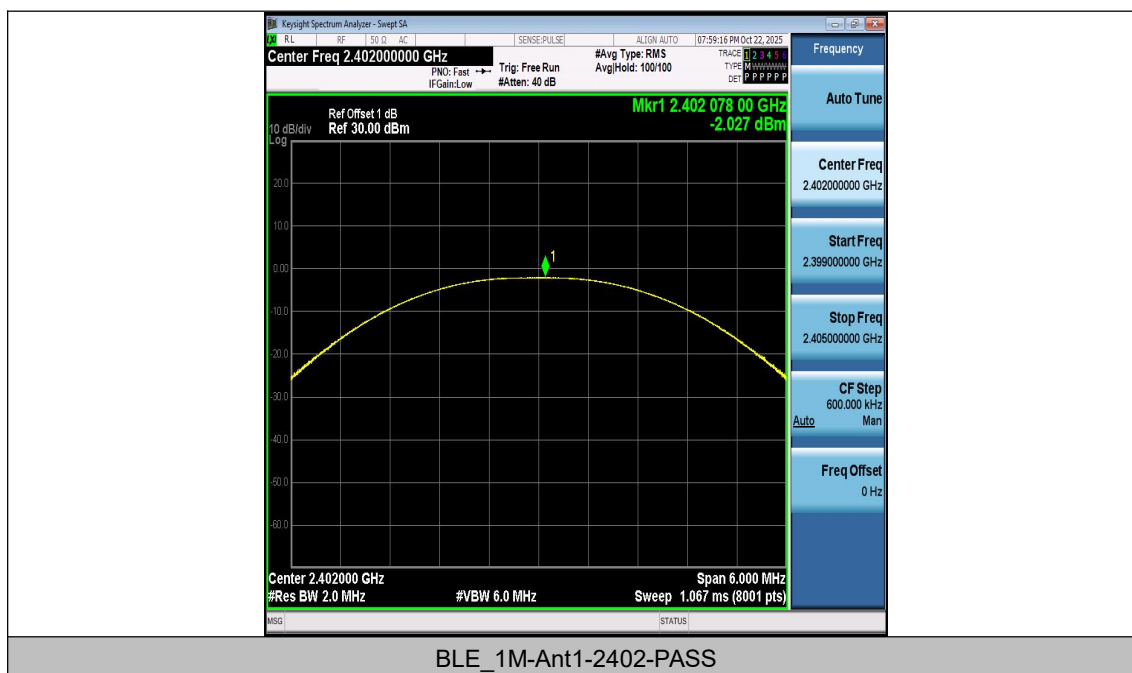


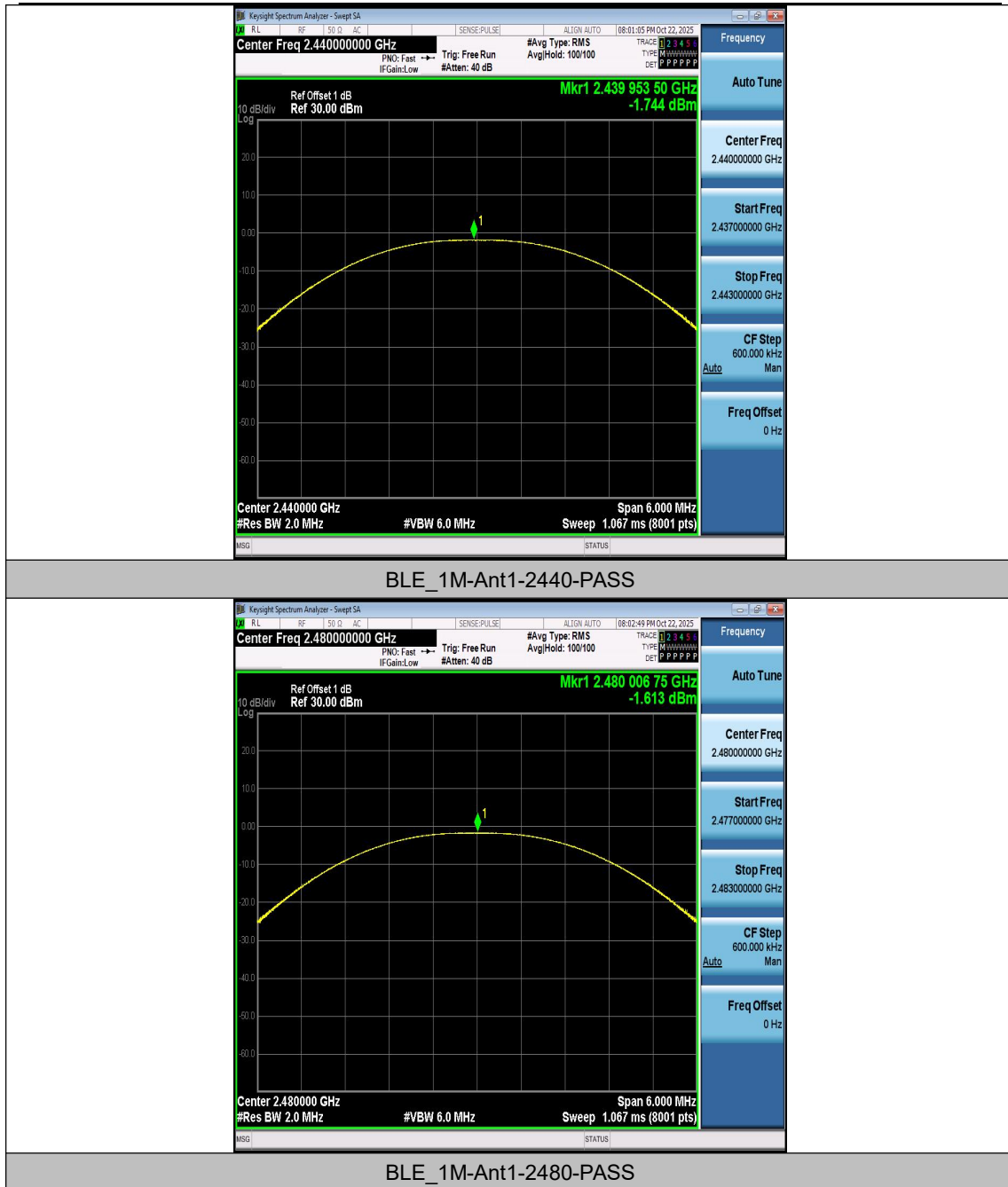
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.03	≤30	PASS
BLE_1M	Ant1	2440	-1.74	≤30	PASS
BLE_1M	Ant1	2480	-1.61	≤30	PASS

Test Graphs Peak





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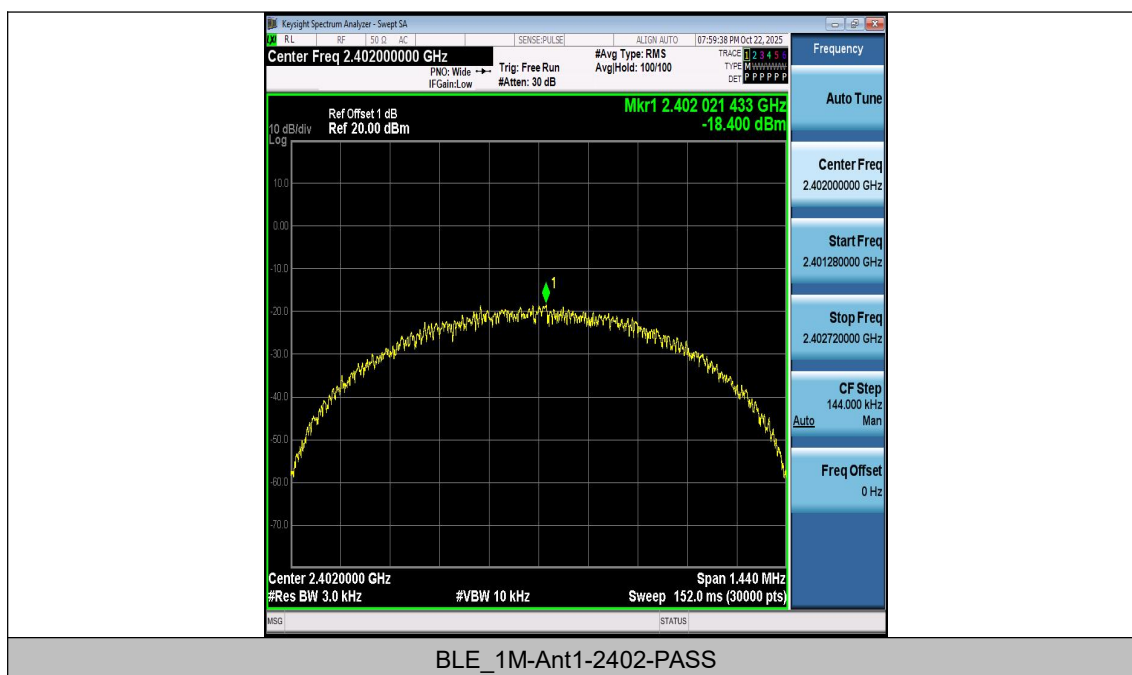
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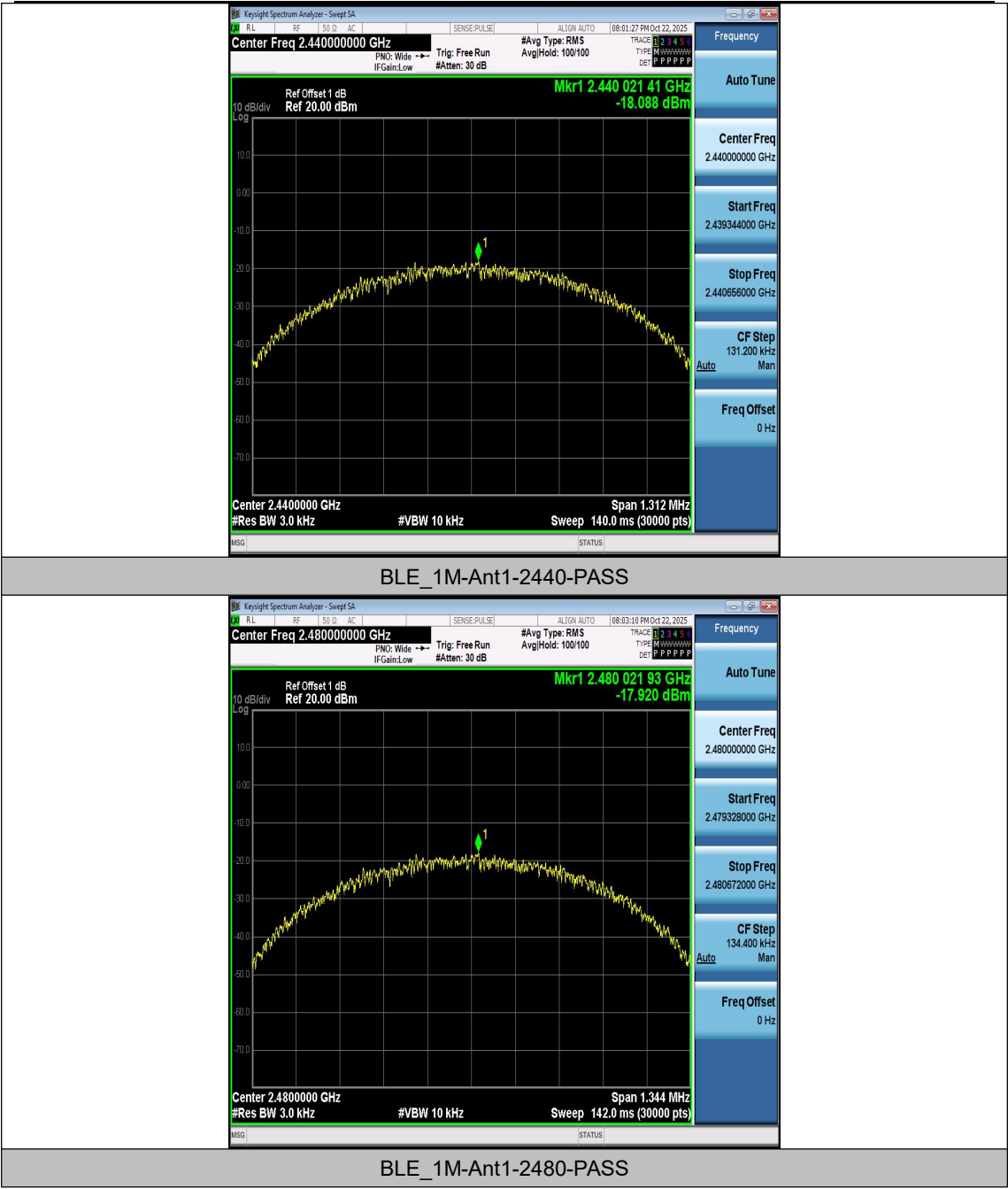
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.40	≤8.00	PASS
BLE_1M	Ant1	2440	-18.09	≤8.00	PASS
BLE_1M	Ant1	2480	-17.92	≤8.00	PASS

Test Graphs





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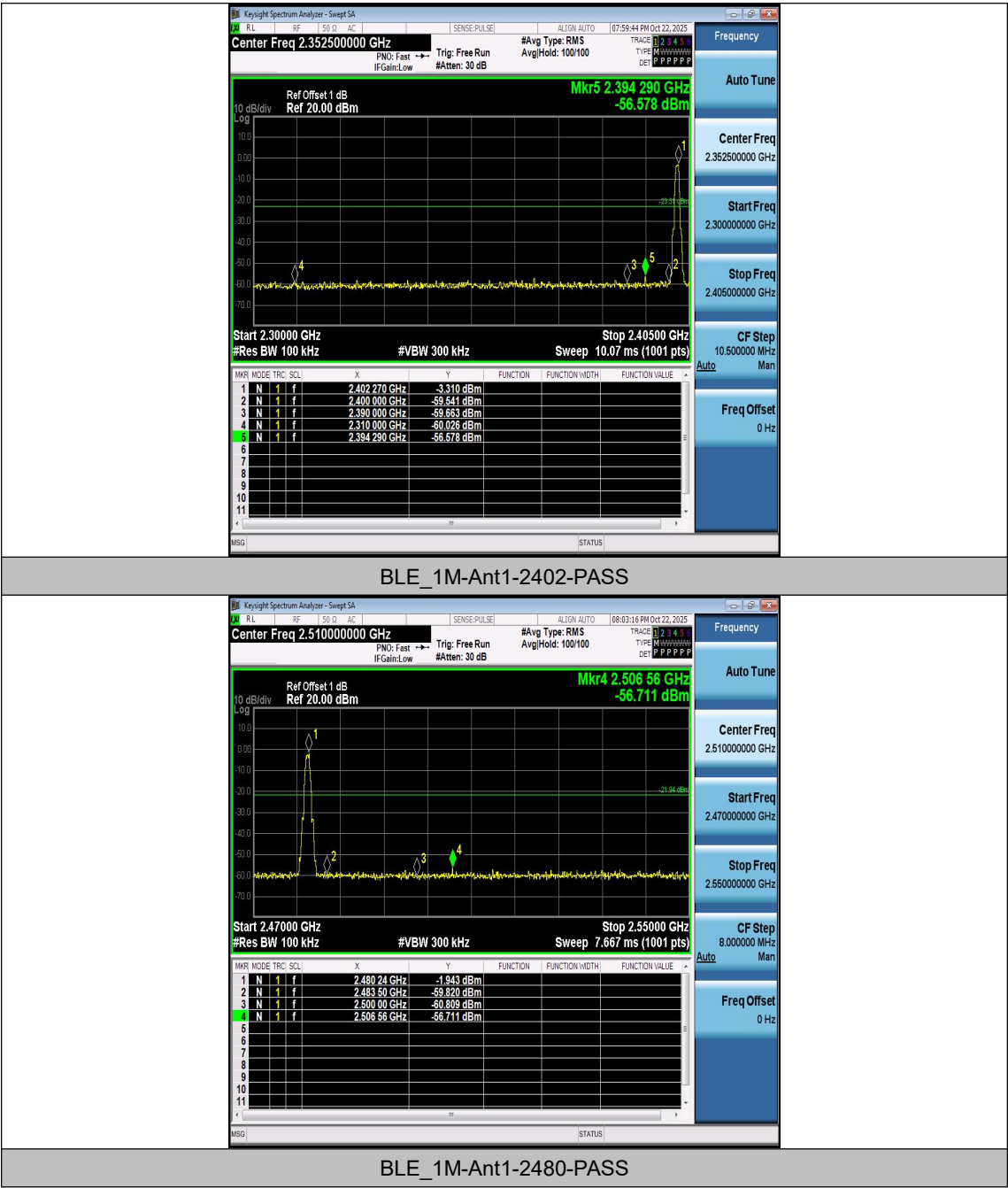
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.31	-56.58	≤-23.31	PASS
BLE_1M	Ant1	High	2480	-1.94	-56.71	≤-21.94	PASS

Test Graphs



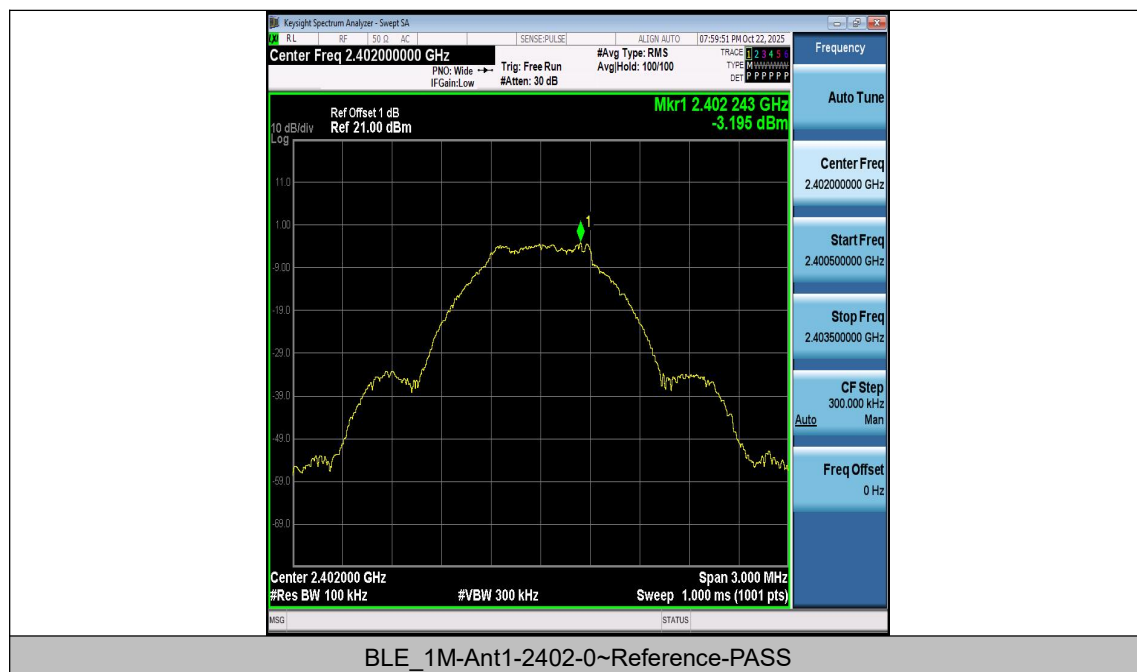
Appendix F: Conducted Spurious Emission

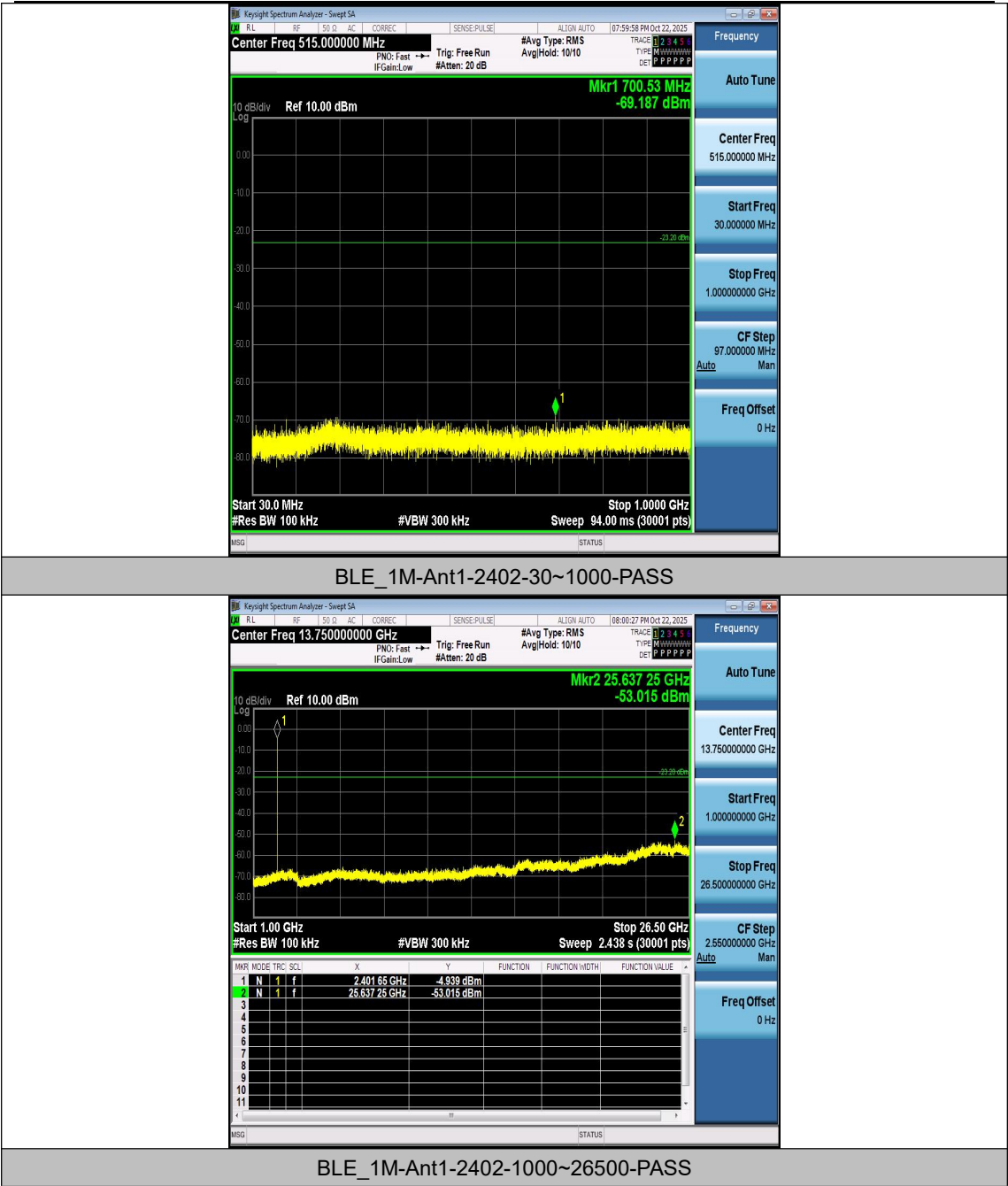
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.20	-3.20	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.20	-69.19	≤-23.2	PASS
BLE_1M	Ant1	2402	1000~26500	-3.20	-53.02	≤-23.2	PASS
BLE_1M	Ant1	2440	0~Reference	-2.10	-2.10	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.10	-68.75	≤-22.1	PASS
BLE_1M	Ant1	2440	1000~26500	-2.10	-52.89	≤-22.1	PASS
BLE_1M	Ant1	2480	0~Reference	-2.33	-2.33	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.33	-69.16	≤-22.33	PASS
BLE_1M	Ant1	2480	1000~26500	-2.33	-53.6	≤-22.33	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

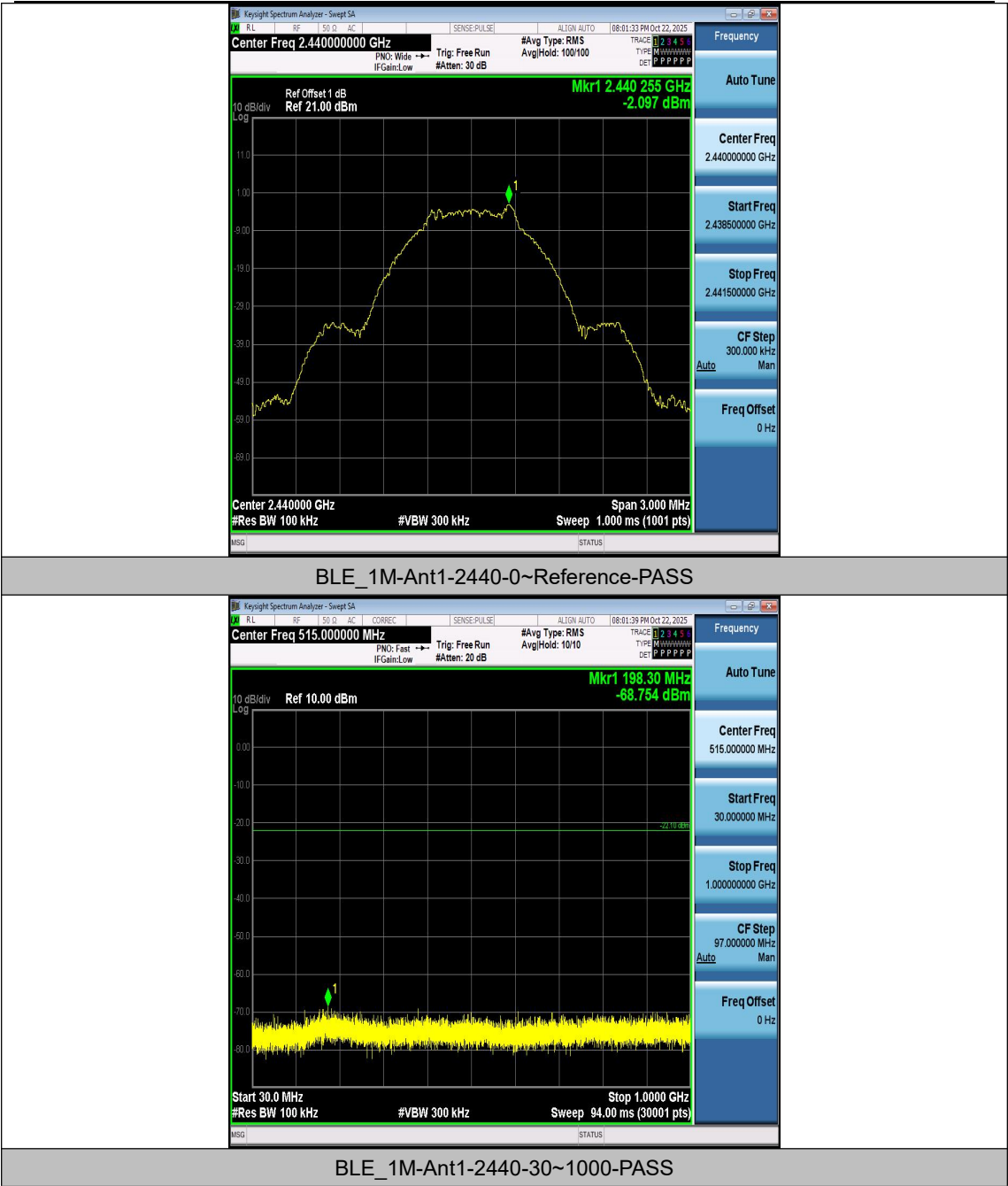




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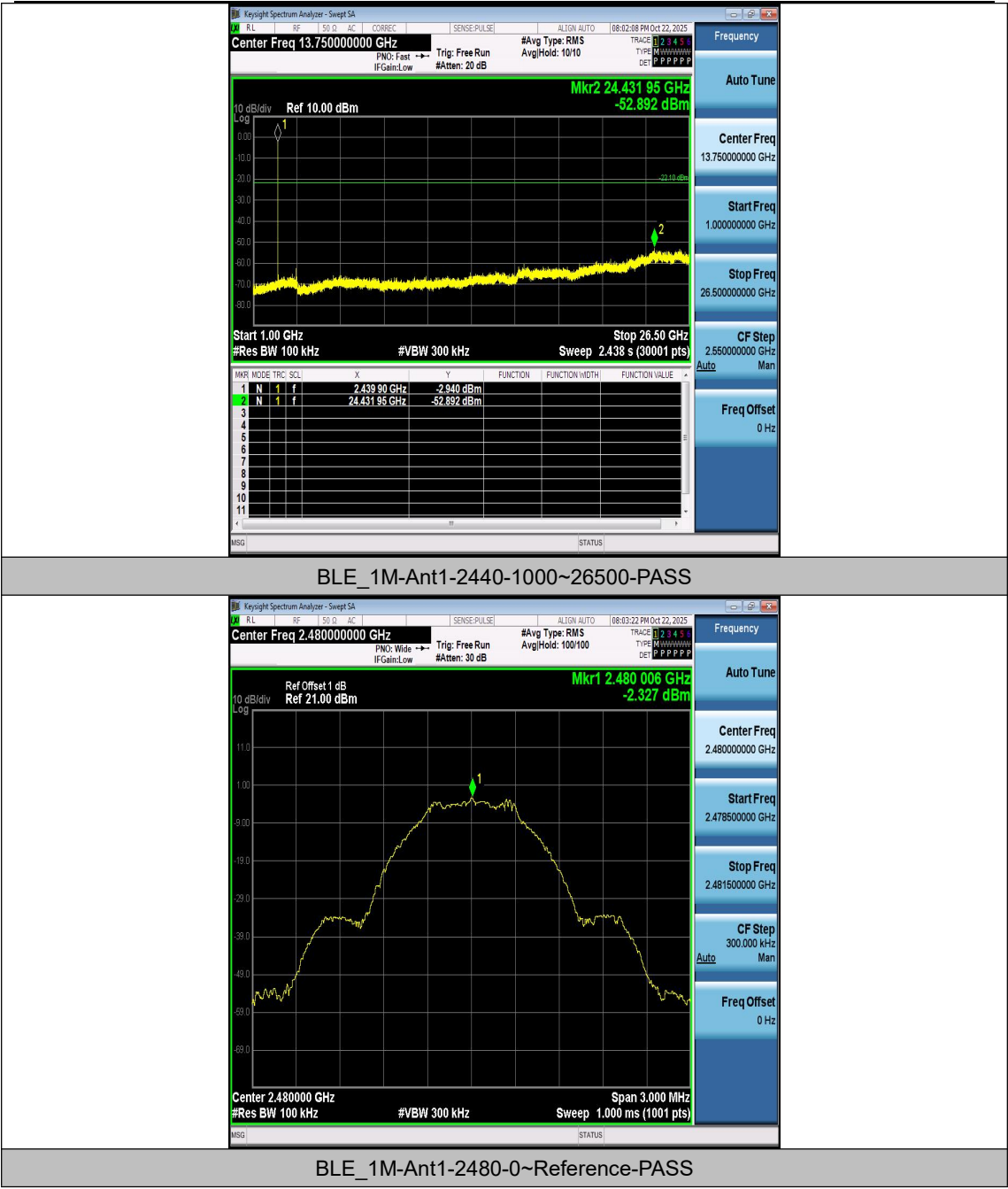
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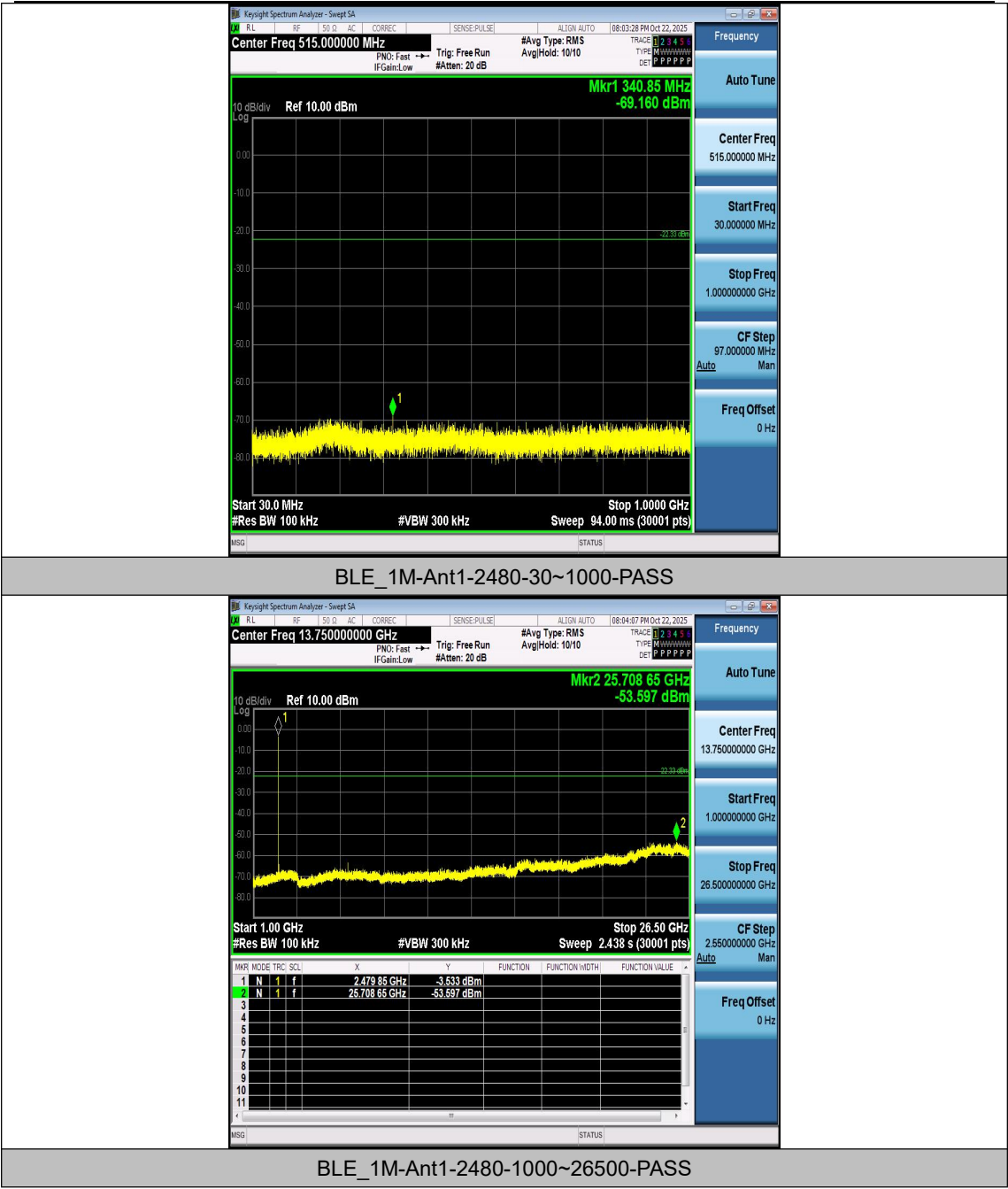
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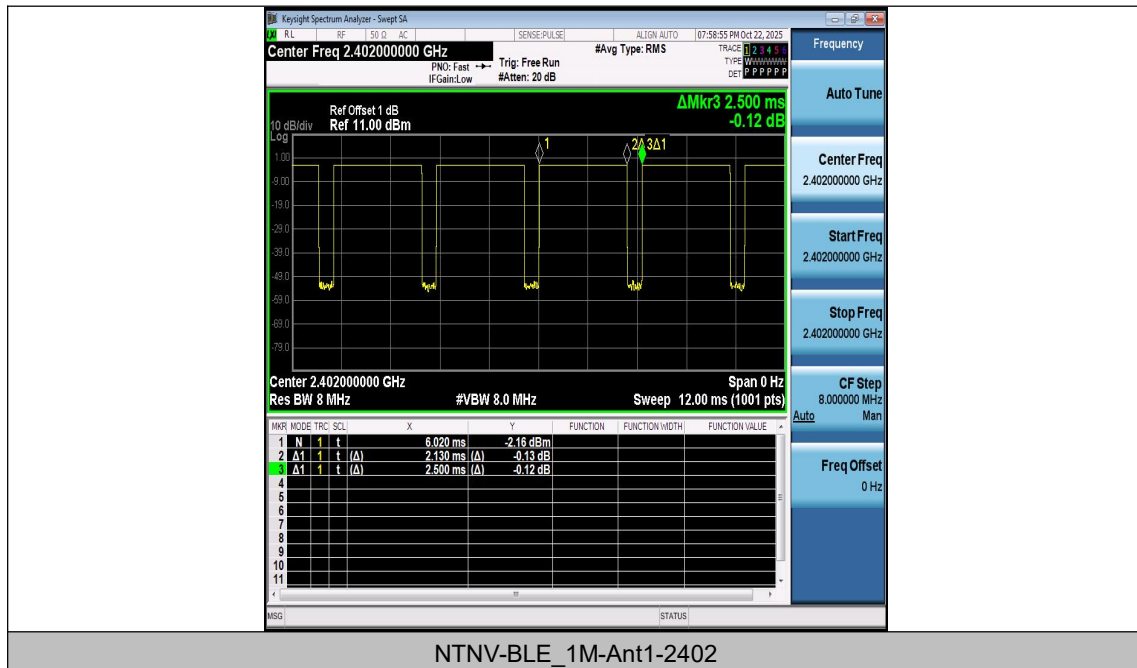
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.12	2.49	85.14	0.70
BLE_1M	Ant1	2480	2.12	2.49	85.14	0.70

Test Graphs





---End---