

Appendix Test Data

Report No.:	1815C50281412501	Test Sample No.:	1-2-2
Start Test Date:	2025-09-01	Finish Test Date:	2025-09-01
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.9℃	Relative Humidity:	50%
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	0.664	2401.676	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.640	2439.688	2440.328	0.5	PASS
BLE_1M	Ant1	2480	0.660	2479.684	2480.344	0.5	PASS

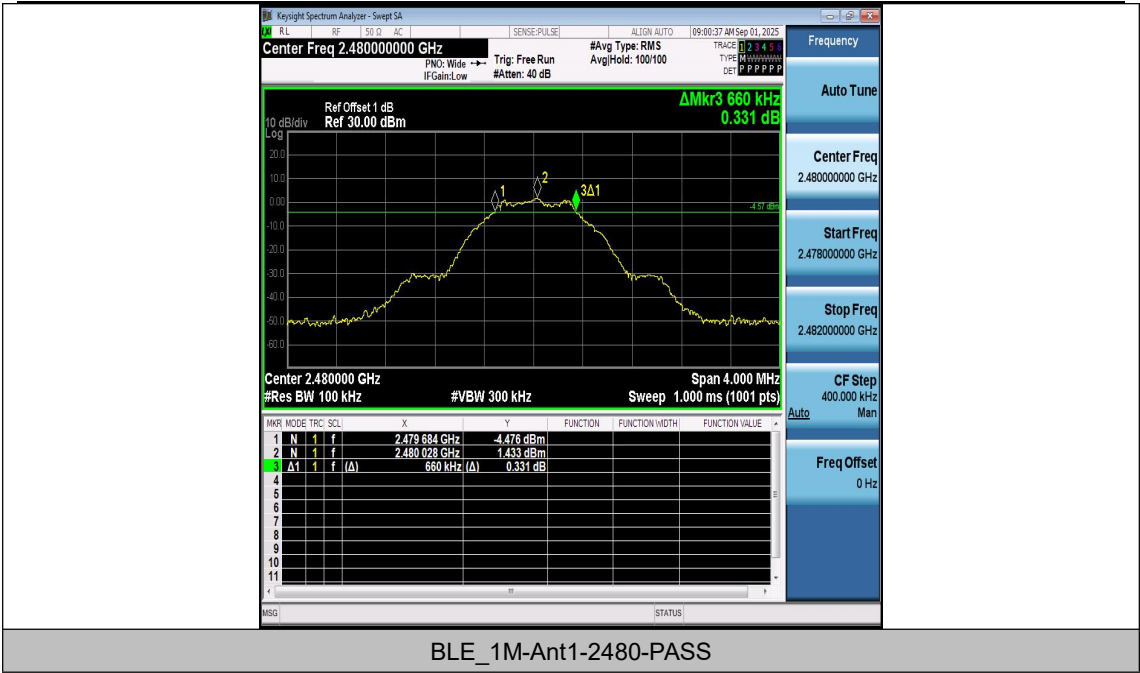
Test Graphs



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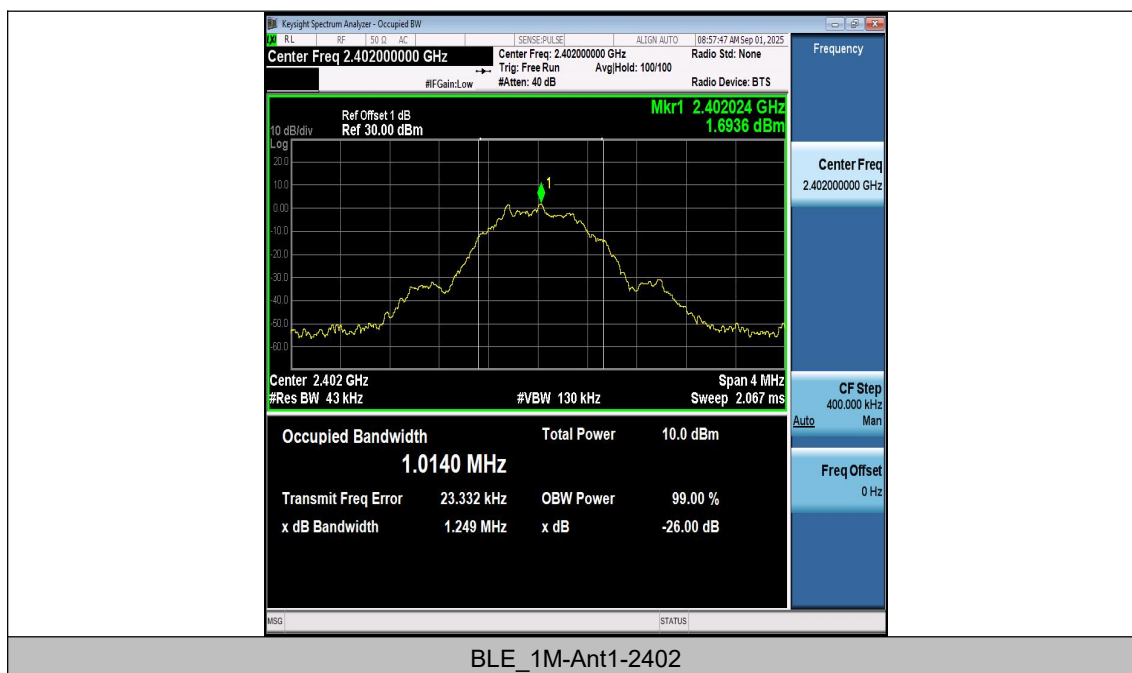
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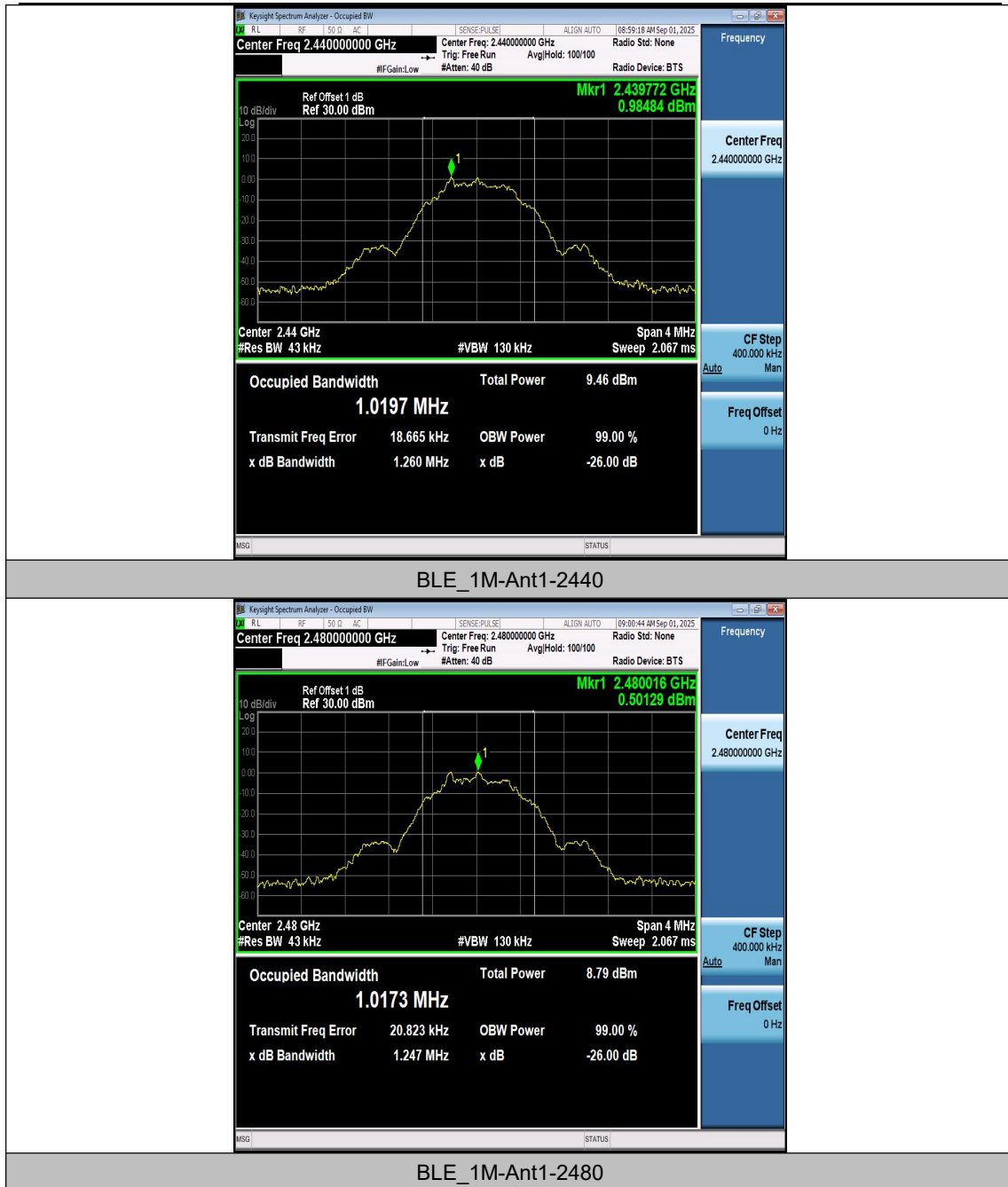
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0140	2401.5163	2402.5303	---	---
BLE_1M	Ant1	2440	1.0197	2439.5088	2440.5285	---	---
BLE_1M	Ant1	2480	1.0173	2479.5122	2480.5295	---	---

Test Graphs





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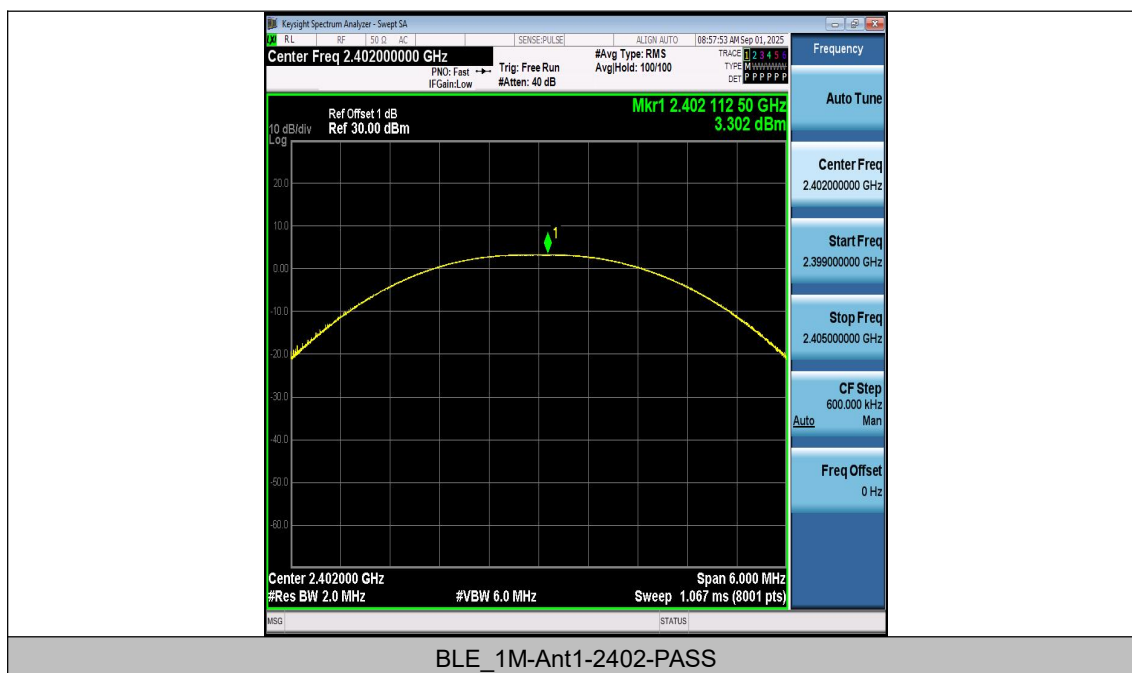
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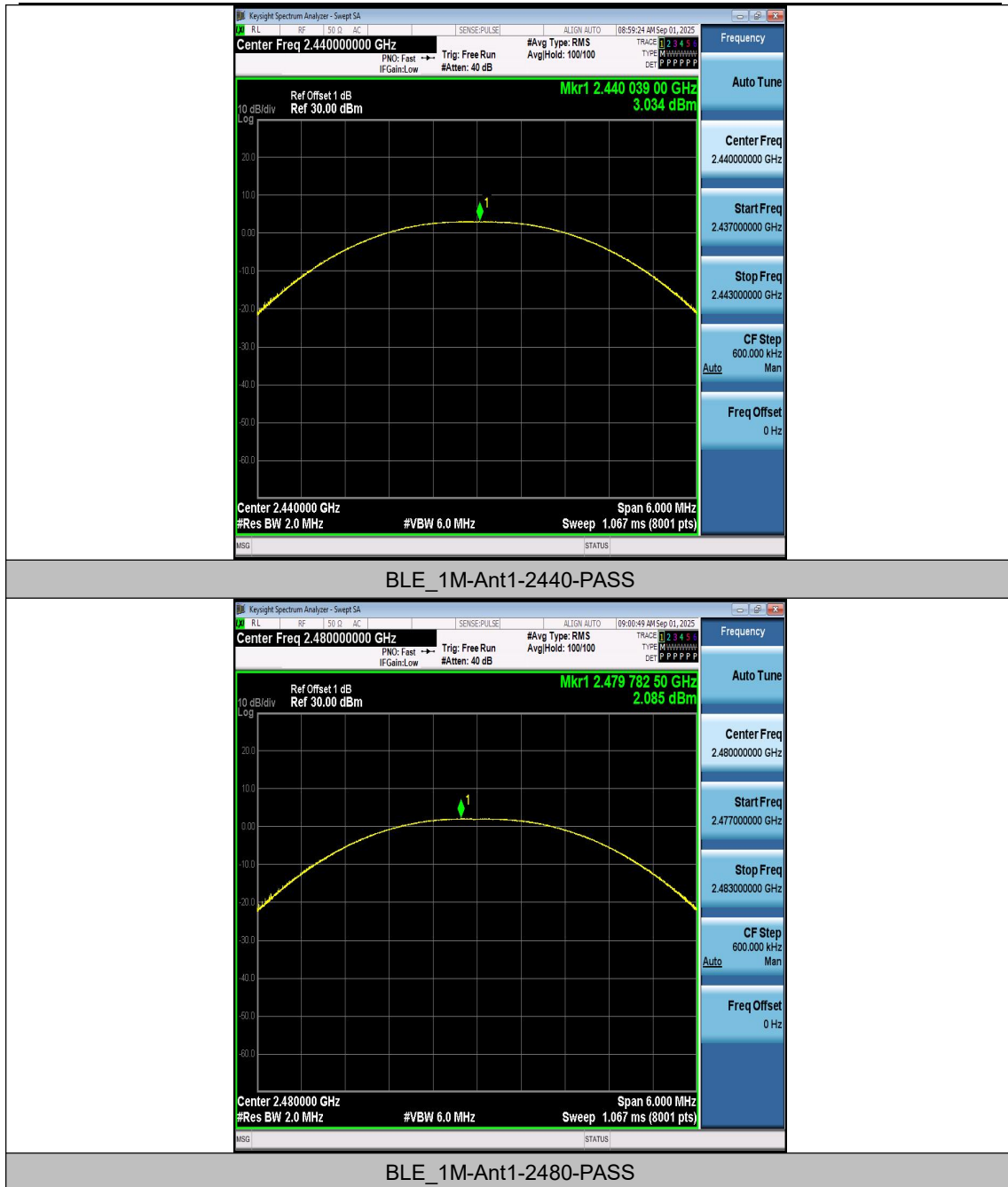
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.30	≤30	PASS
BLE_1M	Ant1	2440	3.03	≤30	PASS
BLE_1M	Ant1	2480	2.09	≤30	PASS

Test Graphs Peak





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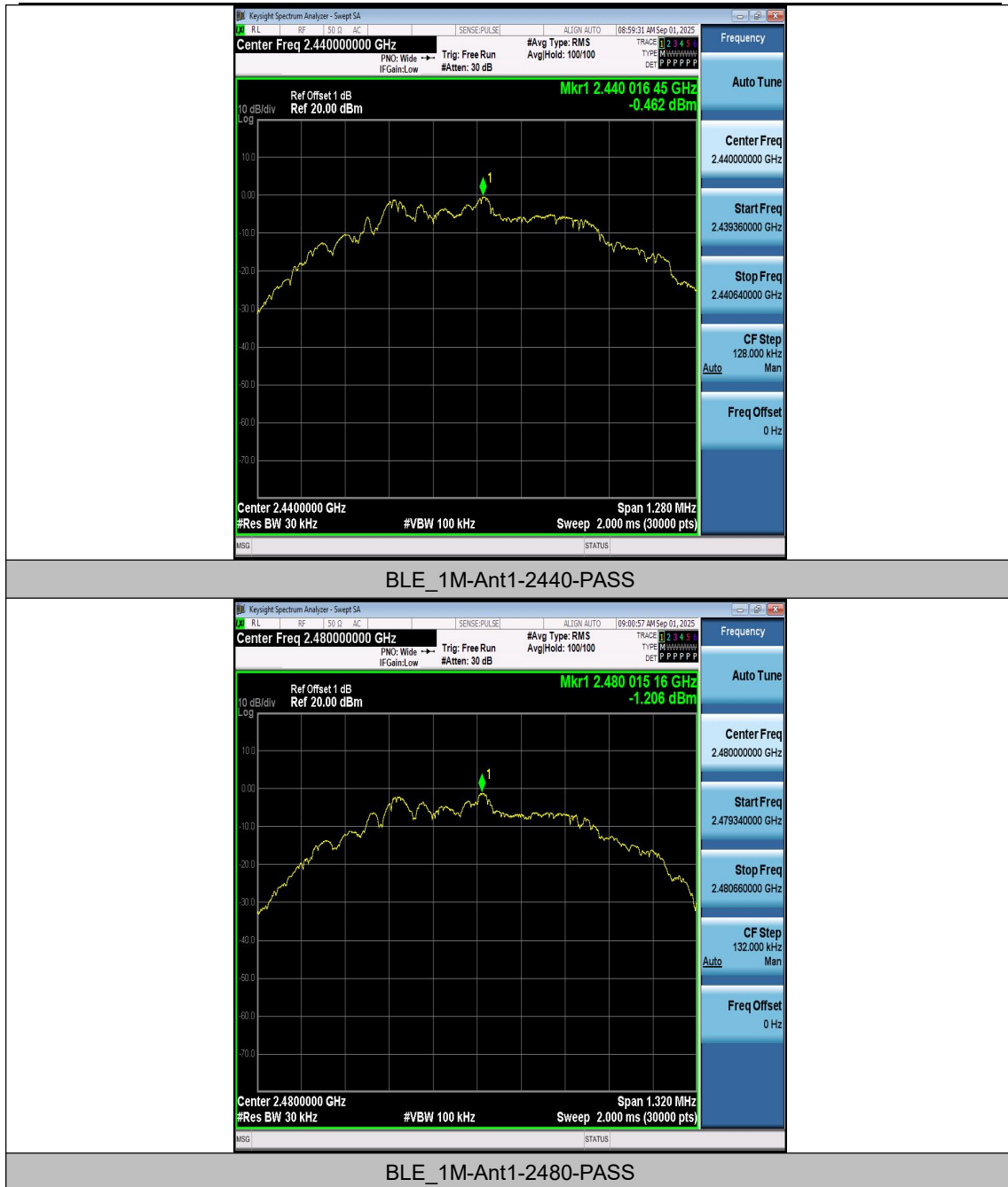
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-0.10	≤8.00	PASS
BLE_1M	Ant1	2440	-0.46	≤8.00	PASS
BLE_1M	Ant1	2480	-1.21	≤8.00	PASS

Test Graphs





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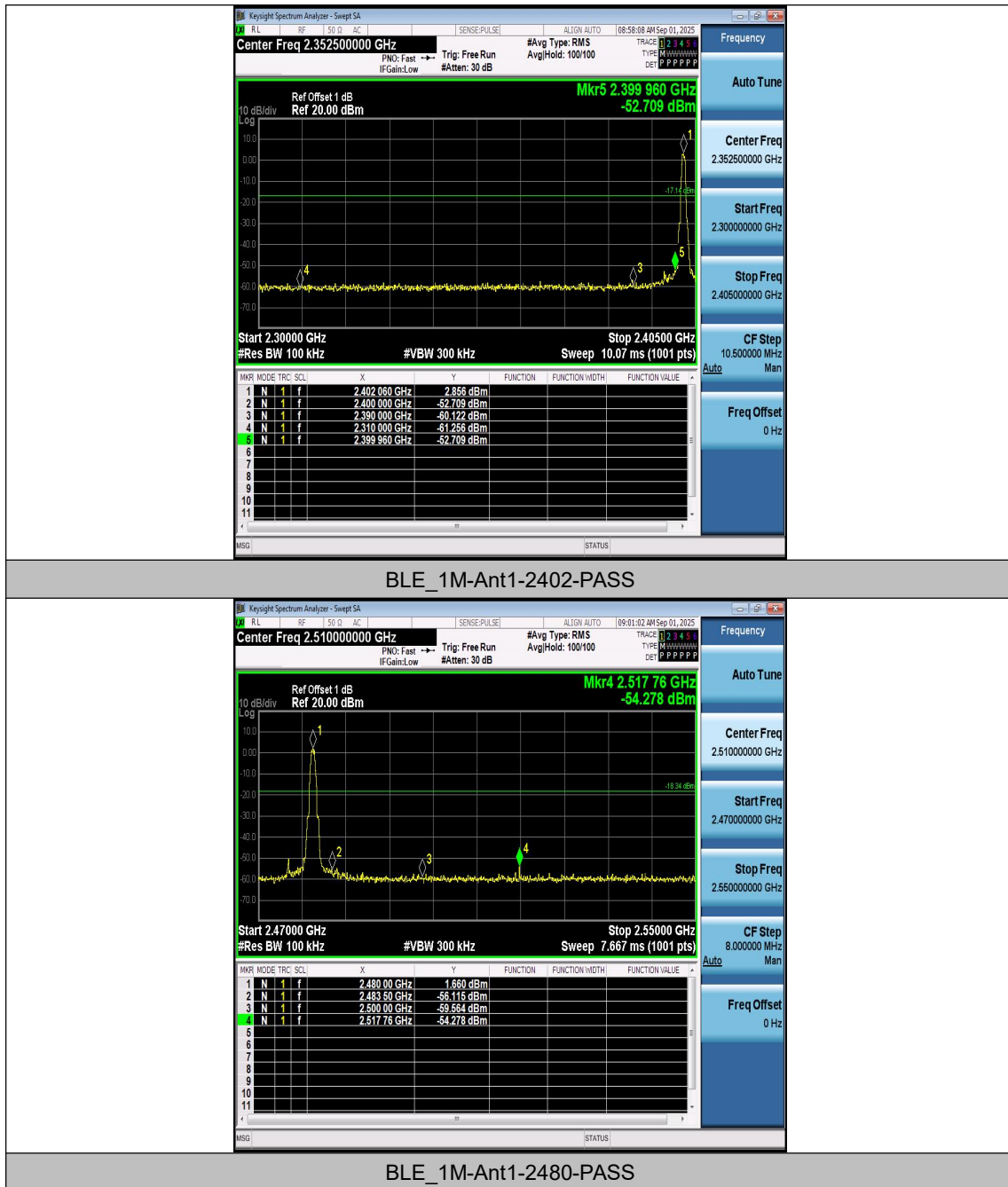
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.86	-52.71	≤-17.14	PASS
BLE_1M	Ant1	High	2480	1.66	-54.28	≤-18.34	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

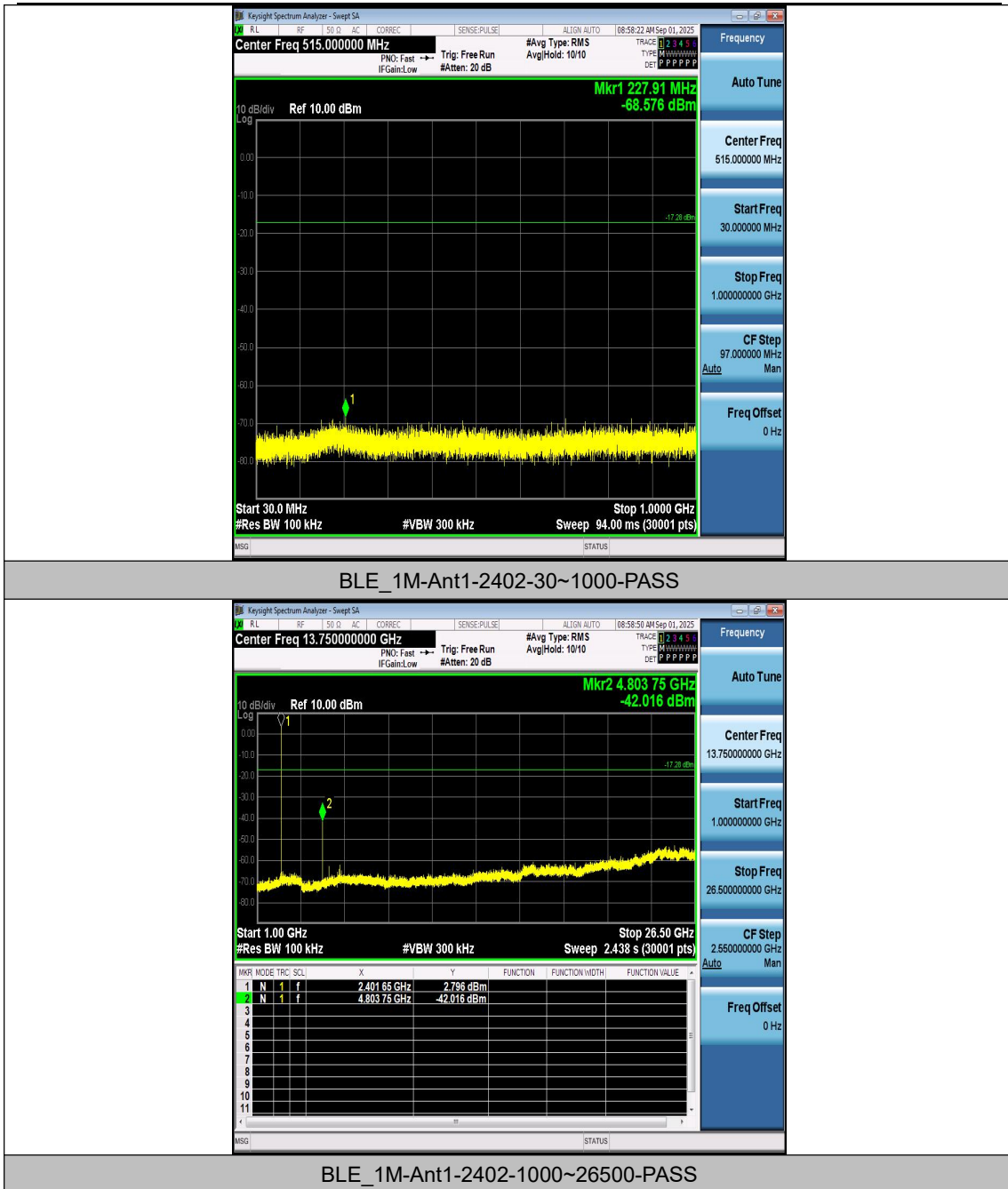
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.72	2.72	---	PASS
BLE_1M	Ant1	2402	30~1000	2.72	-68.58	≤-17.28	PASS
BLE_1M	Ant1	2402	1000~26500	2.72	-42.02	≤-17.28	PASS
BLE_1M	Ant1	2440	0~Reference	2.53	2.53	---	PASS
BLE_1M	Ant1	2440	30~1000	2.53	-67.79	≤-17.47	PASS
BLE_1M	Ant1	2440	1000~26500	2.53	-45.99	≤-17.47	PASS
BLE_1M	Ant1	2480	0~Reference	1.62	1.62	---	PASS
BLE_1M	Ant1	2480	30~1000	1.62	-68.75	≤-18.38	PASS
BLE_1M	Ant1	2480	1000~26500	1.62	-49.88	≤-18.38	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

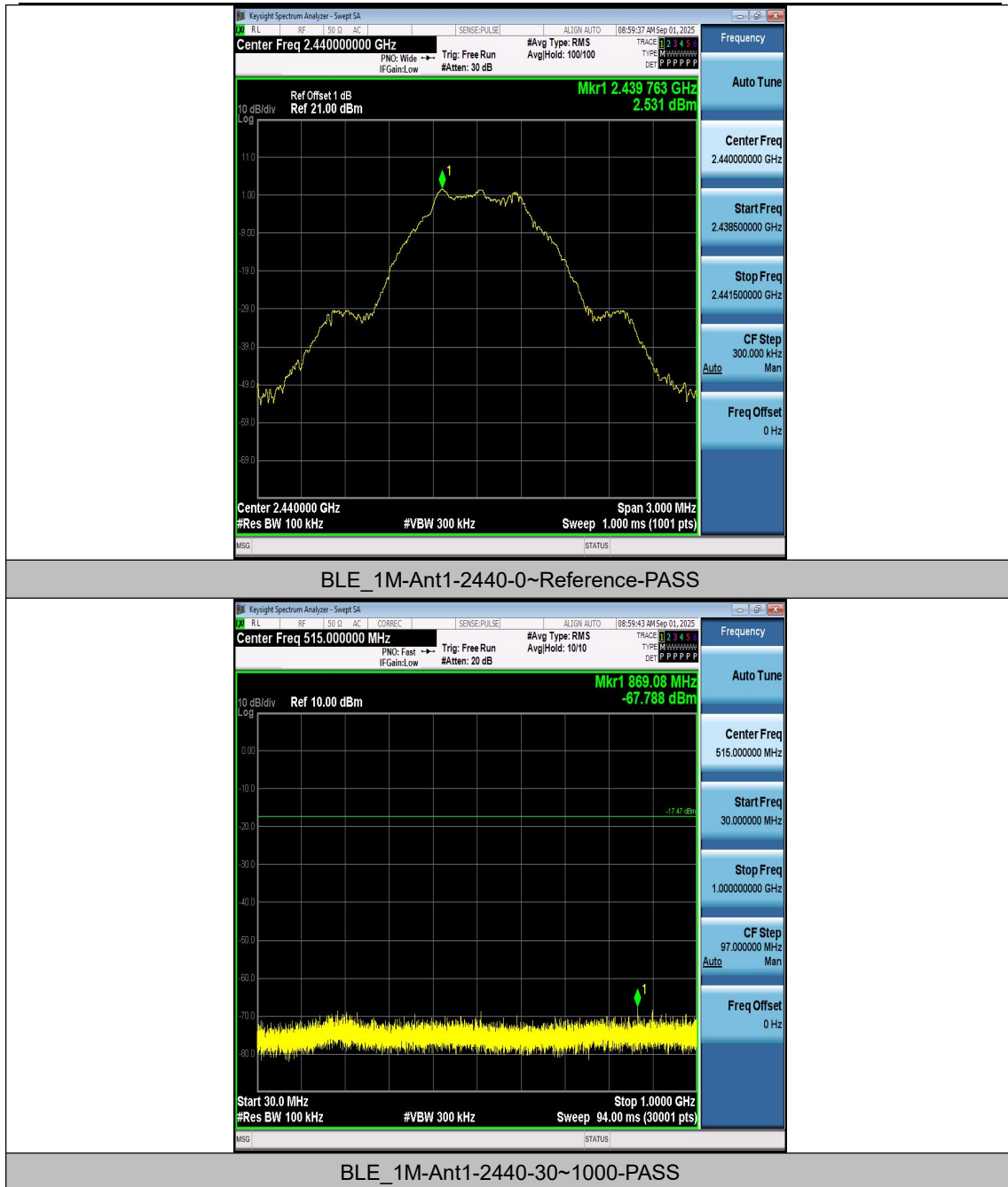




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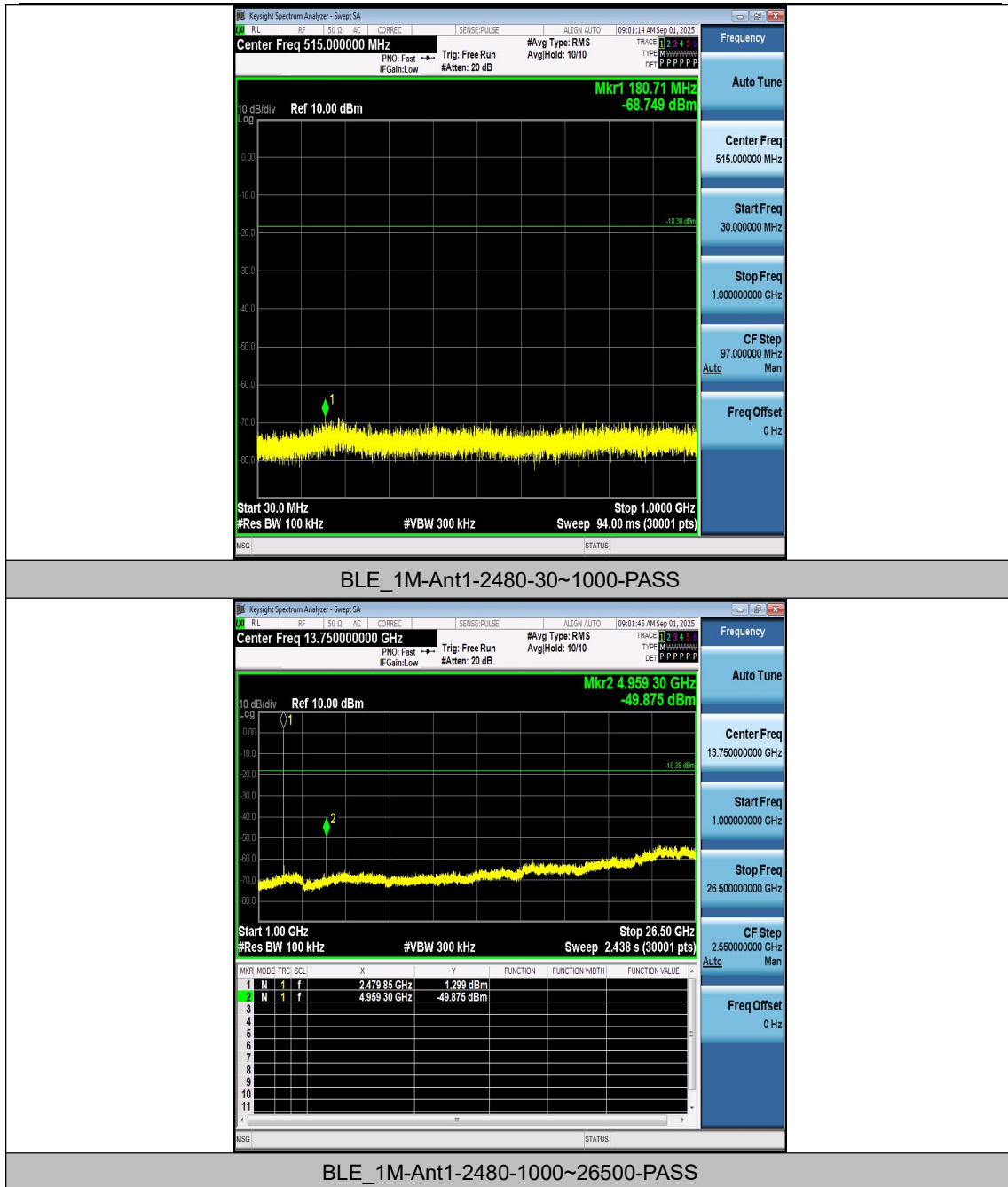
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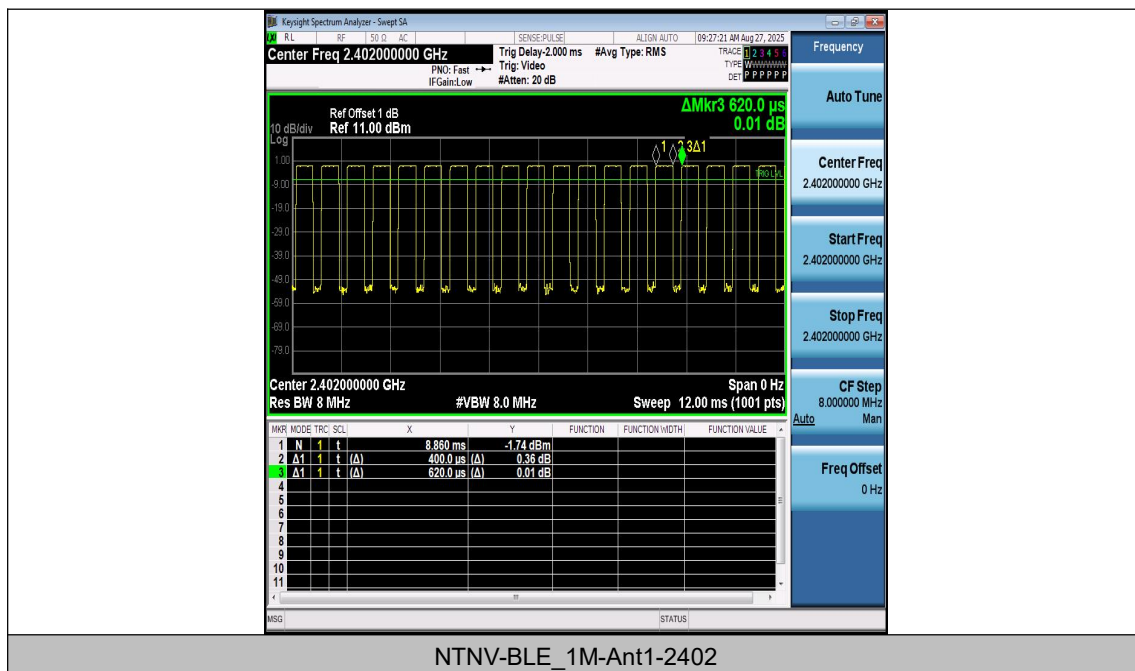
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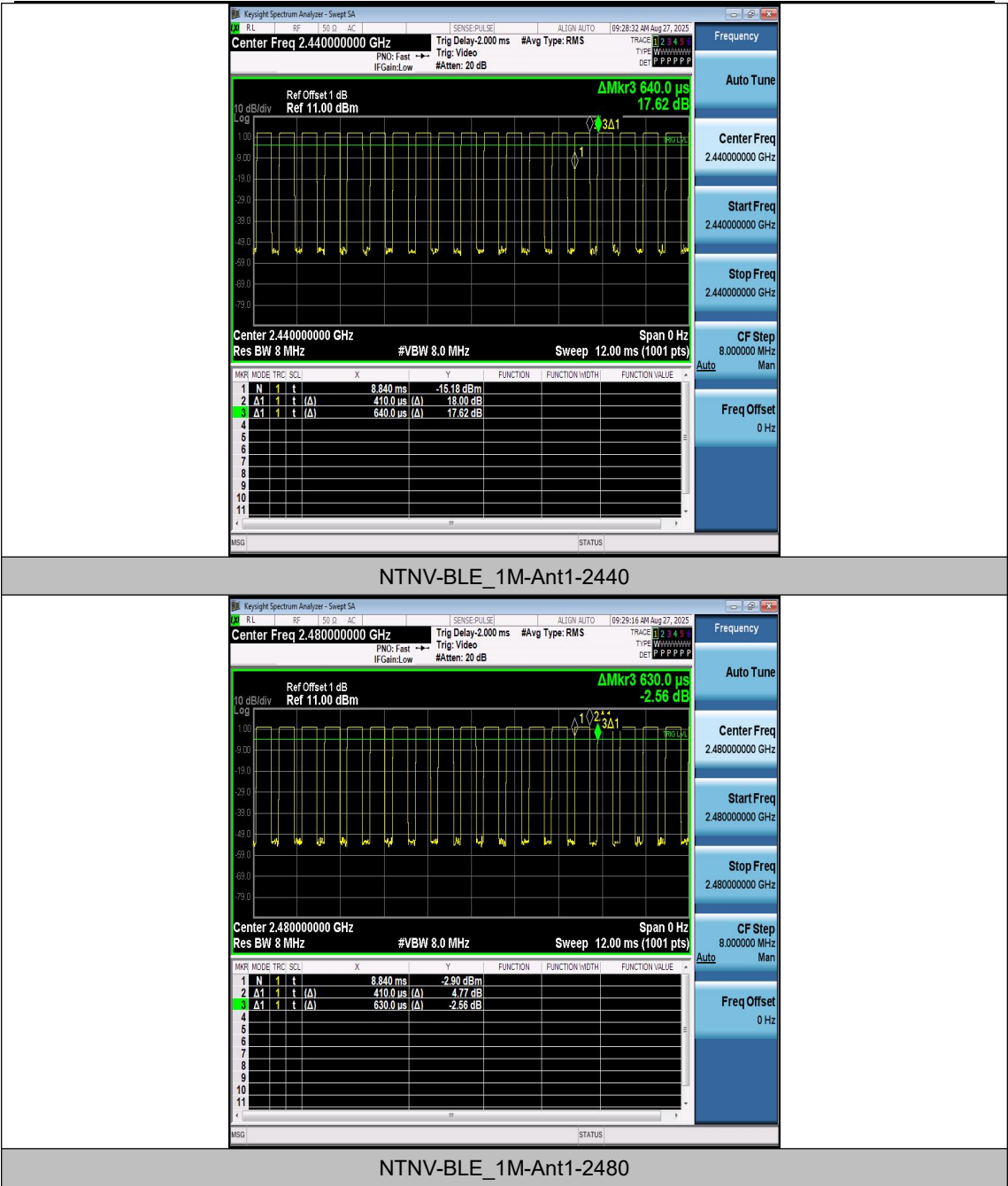
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.62	64.52	1.90
BLE_1M	Ant1	2440	0.41	0.64	64.06	1.93
BLE_1M	Ant1	2480	0.41	0.63	65.08	1.87

Test Graphs





---End---