

Appendix Test Data

Report No.:	1818C60103912501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-14	Finish Test Date:	2026-7-17
Test Engineer:	Huysen Guan	Auditor:	Justin Feng
Temperature:	25.6°C	Relative Humidity:	61%
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	0.744	2401.616	2402.360	0.5	PASS
BLE_1M	Ant1	2440	0.728	2439.628	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.728	2479.628	2480.356	0.5	PASS
BLE_2M	Ant1	2402	1.268	2401.376	2402.644	0.5	PASS
BLE_2M	Ant1	2440	1.320	2439.336	2440.656	0.5	PASS
BLE_2M	Ant1	2480	1.328	2479.344	2480.672	0.5	PASS

Test Graphs





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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	1.0725	2401.4654	2402.5379	---	---
BLE_1M	Ant1	2440	1.0790	2439.4608	2440.5398	---	---
BLE_1M	Ant1	2480	1.0915	2479.4550	2480.5465	---	---
BLE_2M	Ant1	2402	2.2256	2400.8924	2403.1180	---	---
BLE_2M	Ant1	2440	2.2443	2438.8725	2441.1168	---	---
BLE_2M	Ant1	2480	2.2762	2478.8527	2481.1289	---	---

Test Graphs



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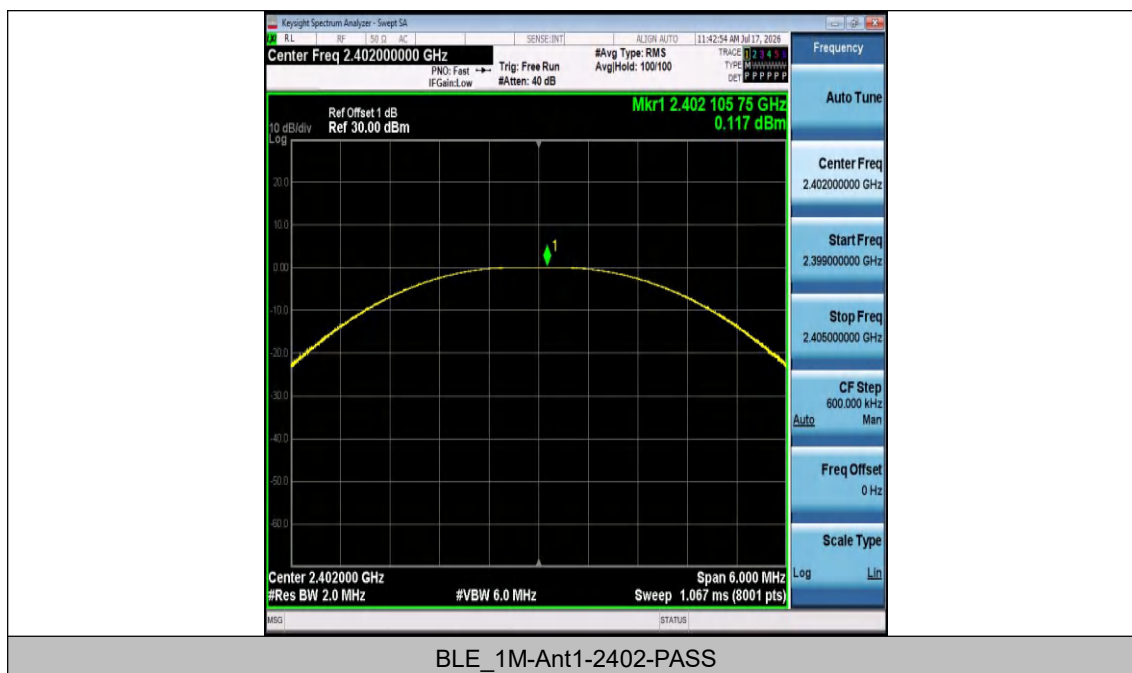
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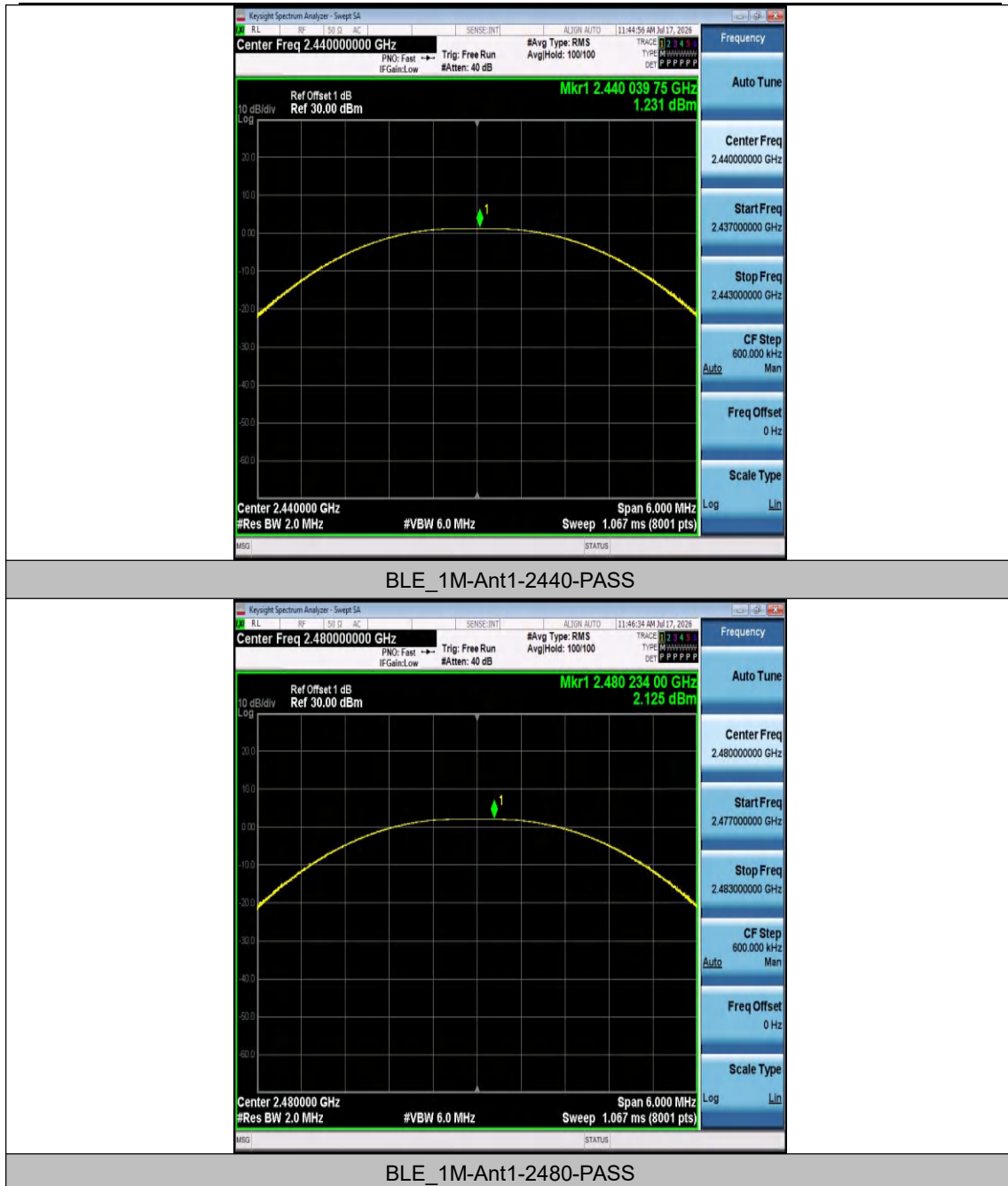
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.12	≤30	PASS
BLE_1M	Ant1	2440	1.23	≤30	PASS
BLE_1M	Ant1	2480	2.13	≤30	PASS
BLE_2M	Ant1	2402	0.09	≤30	PASS
BLE_2M	Ant1	2440	1.19	≤30	PASS
BLE_2M	Ant1	2480	2.10	≤30	PASS

Test Graphs Peak

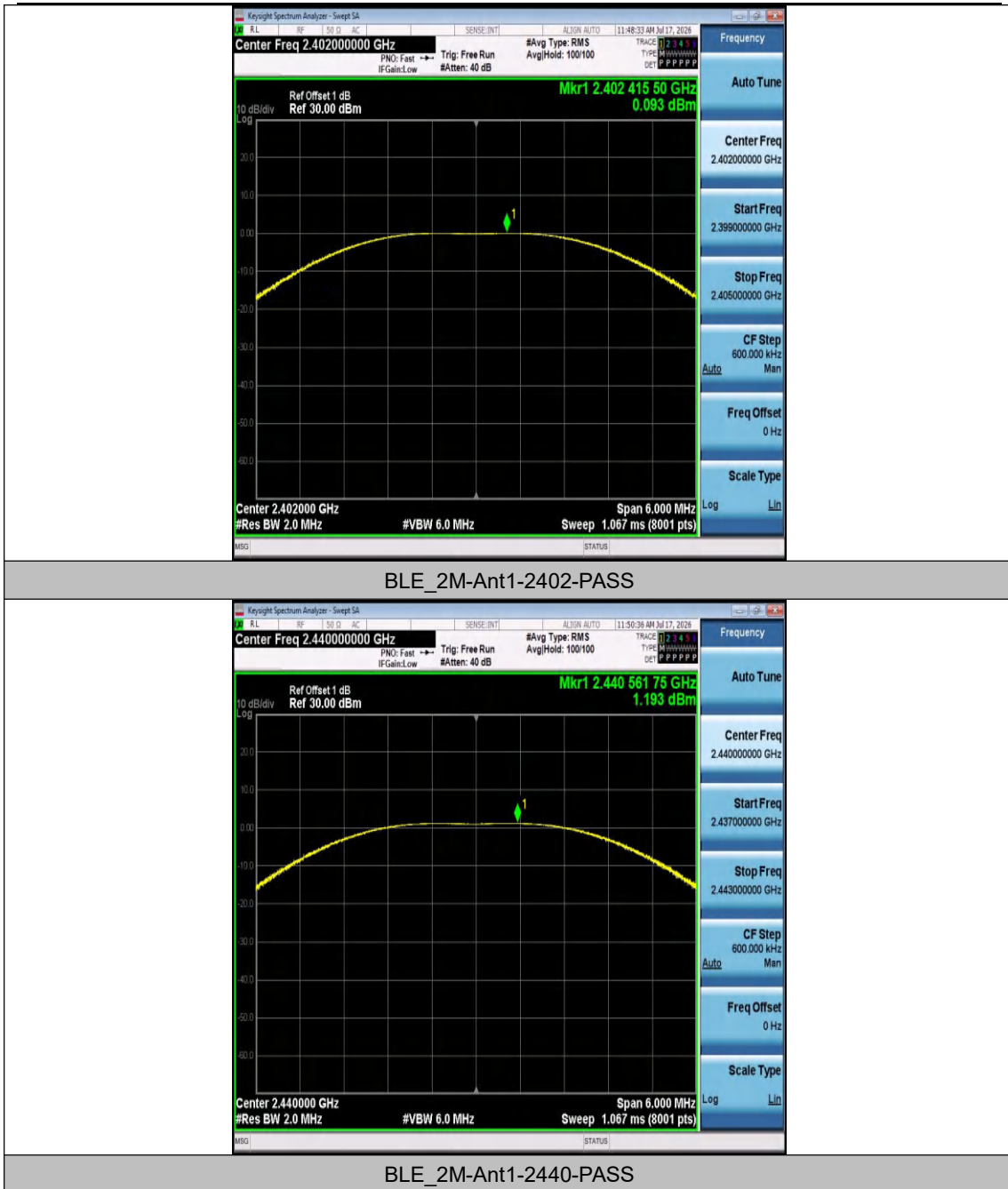




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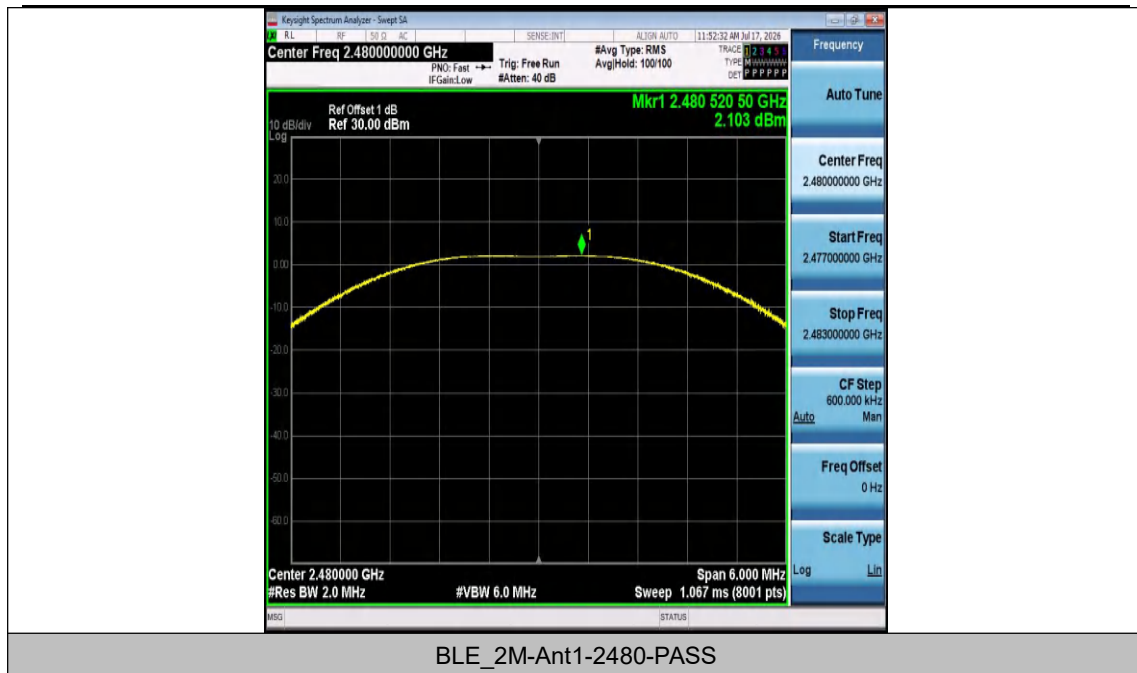
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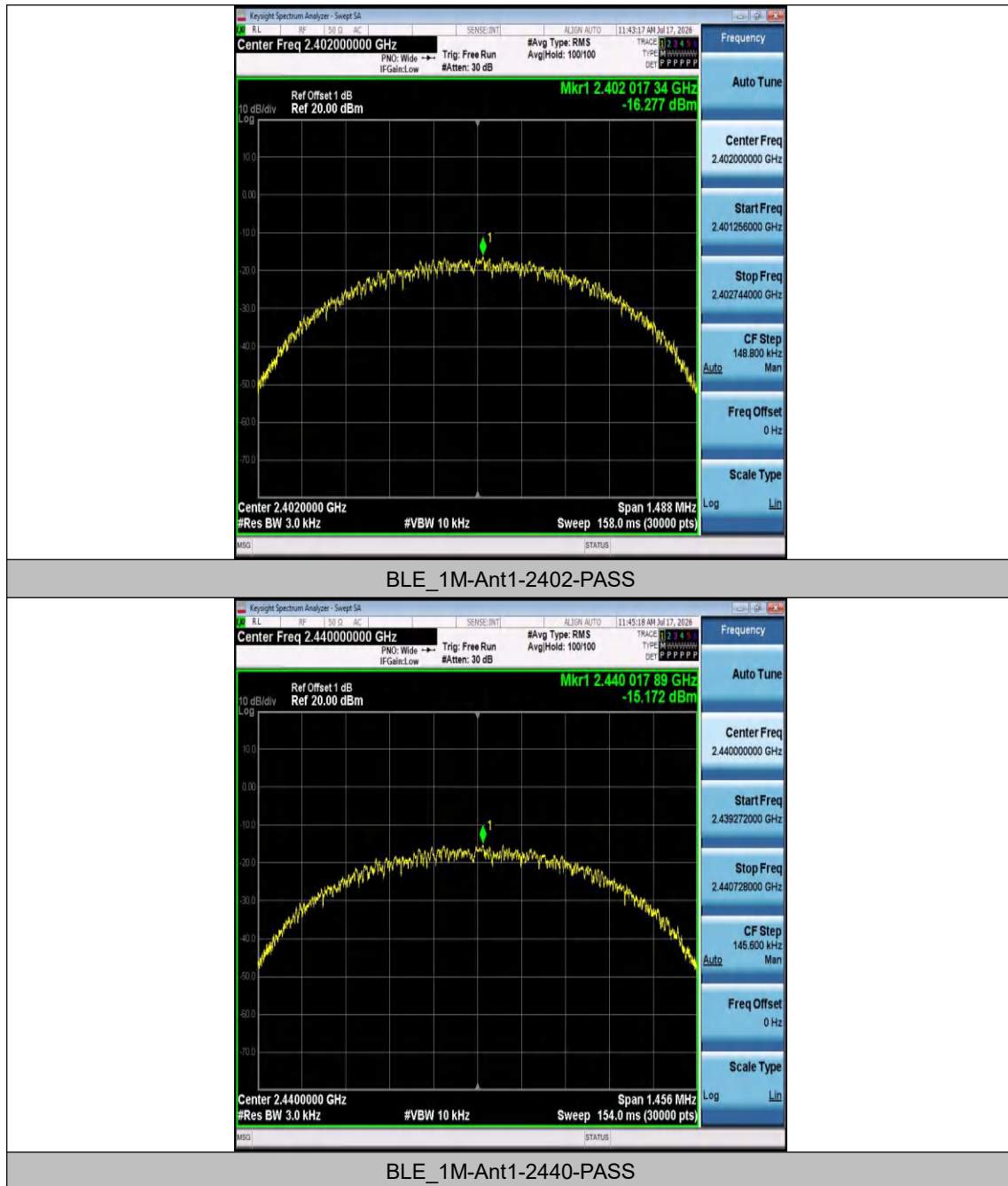
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.28	≤8.00	PASS
BLE_1M	Ant1	2440	-15.17	≤8.00	PASS
BLE_1M	Ant1	2480	-14.46	≤8.00	PASS
BLE_2M	Ant1	2402	-17.09	≤8.00	PASS
BLE_2M	Ant1	2440	-16.27	≤8.00	PASS
BLE_2M	Ant1	2480	-15.35	≤8.00	PASS

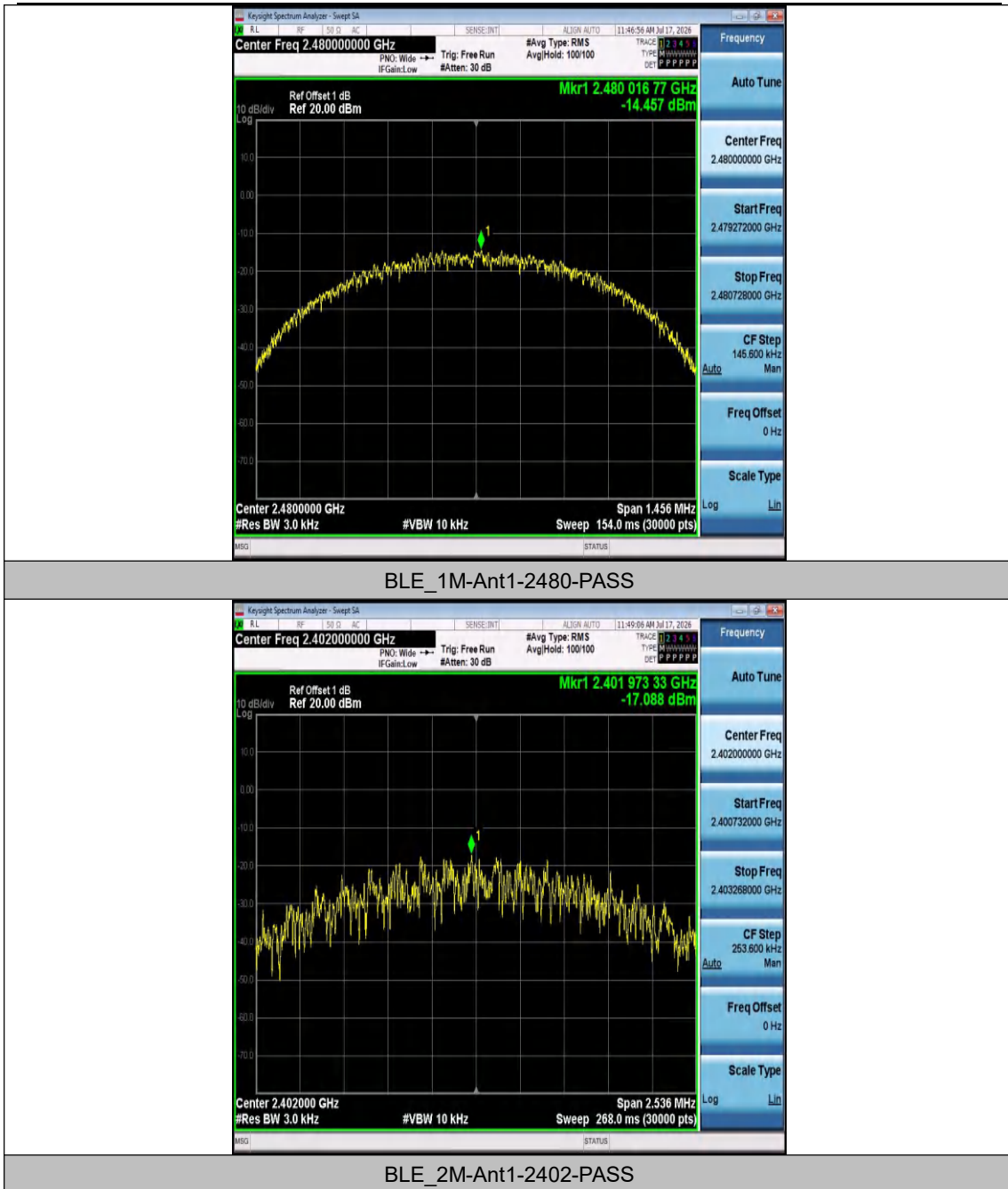
Test Graphs



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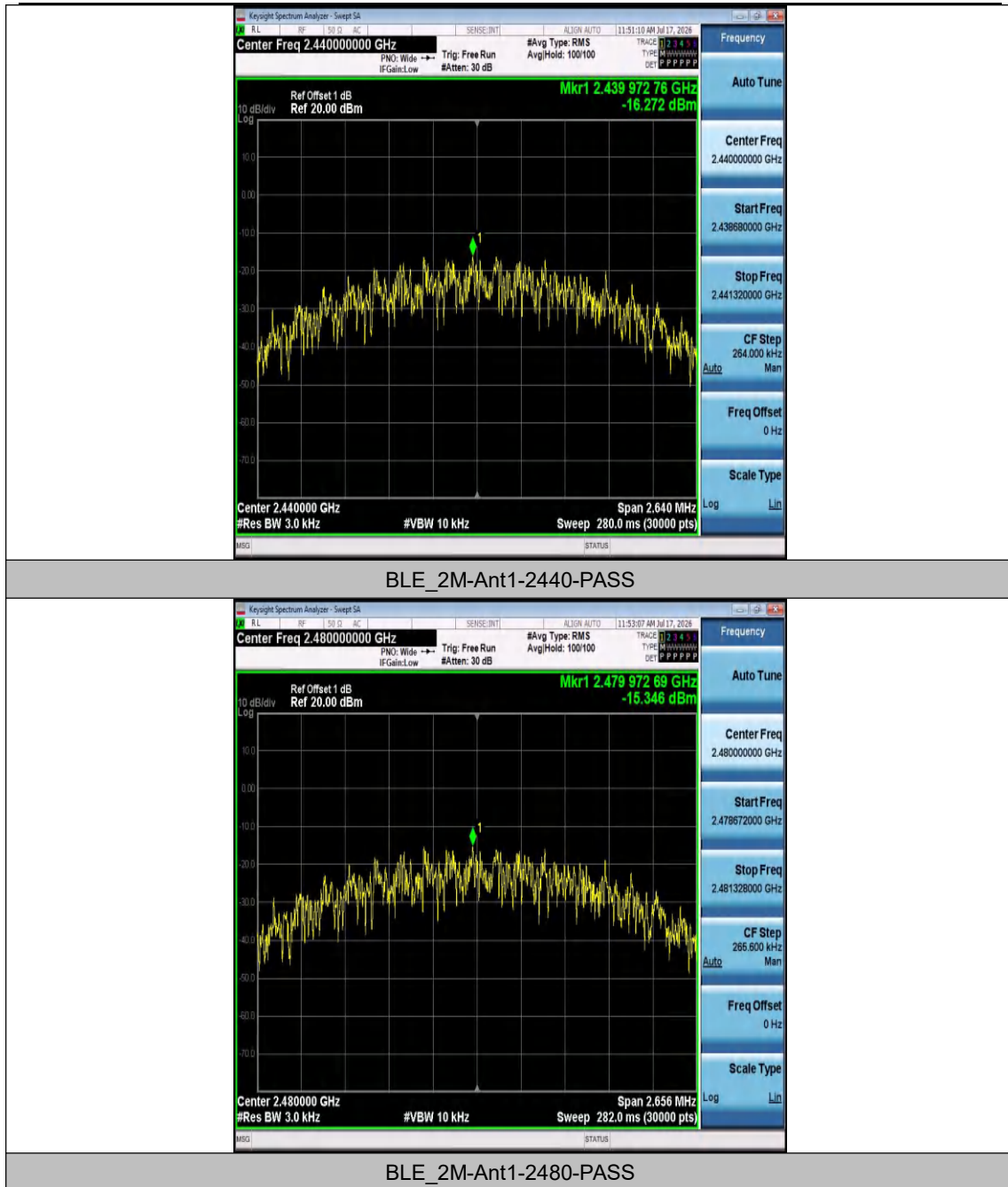
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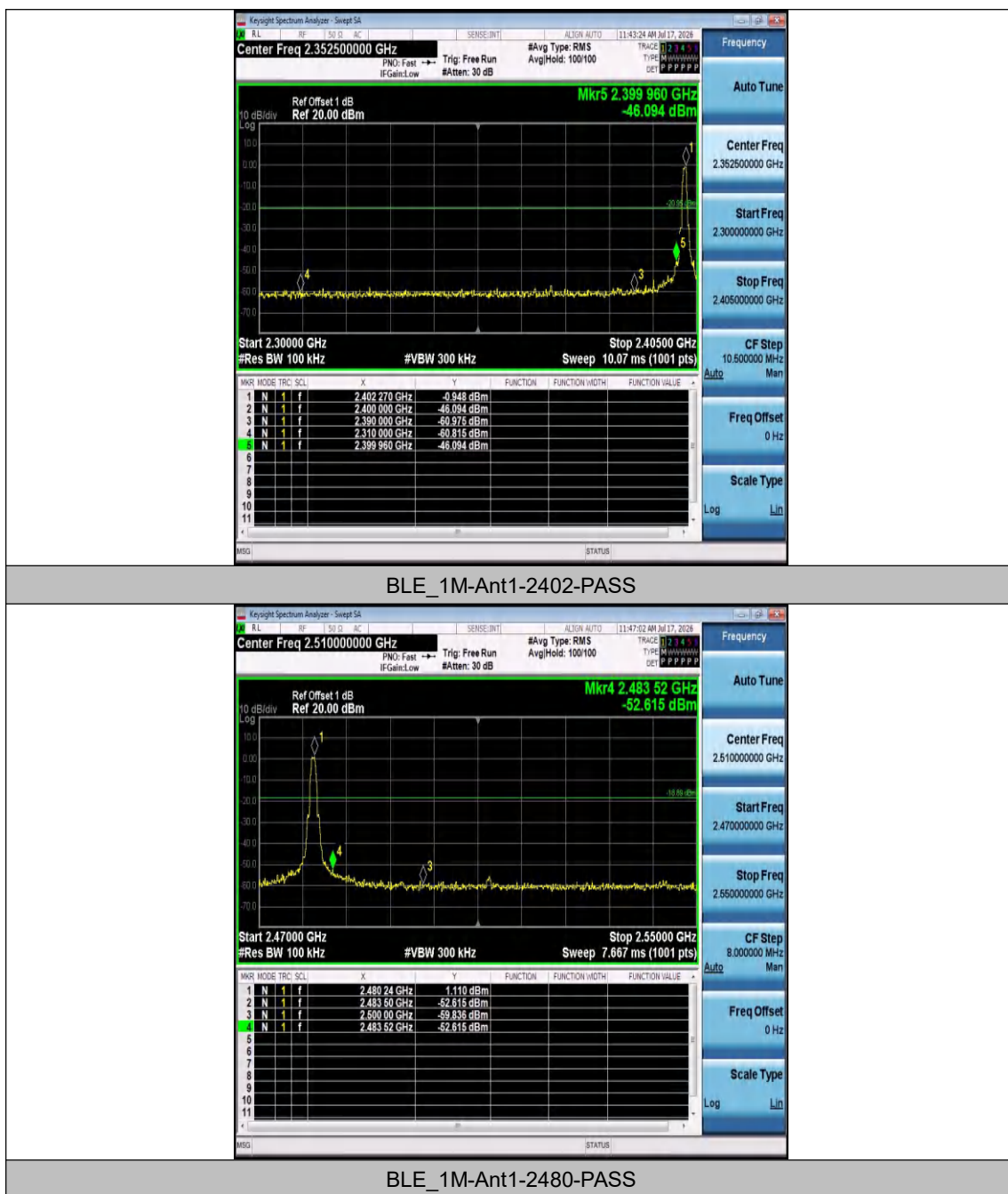
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.95	-46.09	≤-20.95	PASS
BLE_1M	Ant1	High	2480	1.11	-52.62	≤-18.89	PASS
BLE_2M	Ant1	Low	2402	-2.42	-31.68	≤-22.42	PASS
BLE_2M	Ant1	High	2480	-0.67	-50.3	≤-20.67	PASS

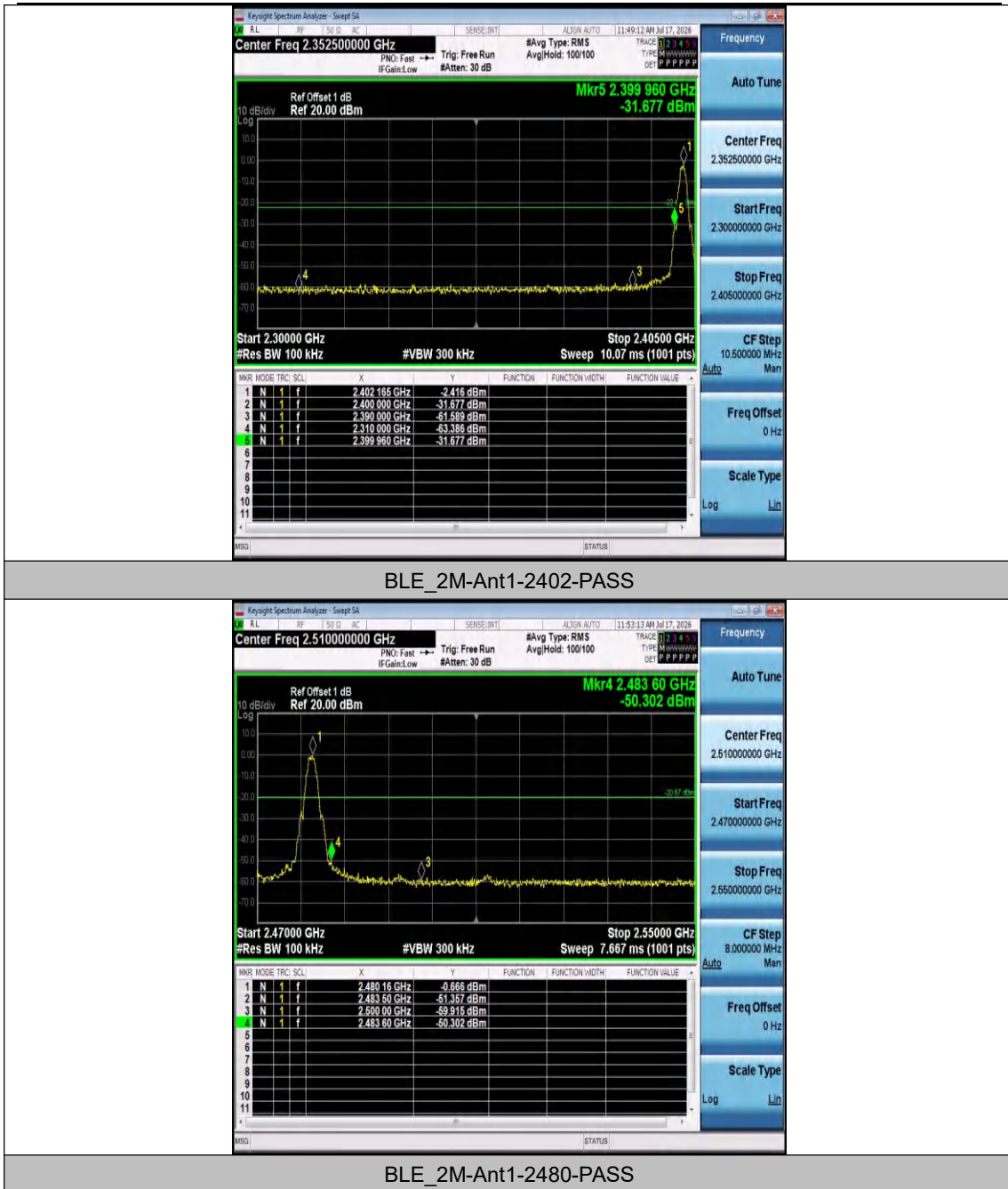
Test Graphs



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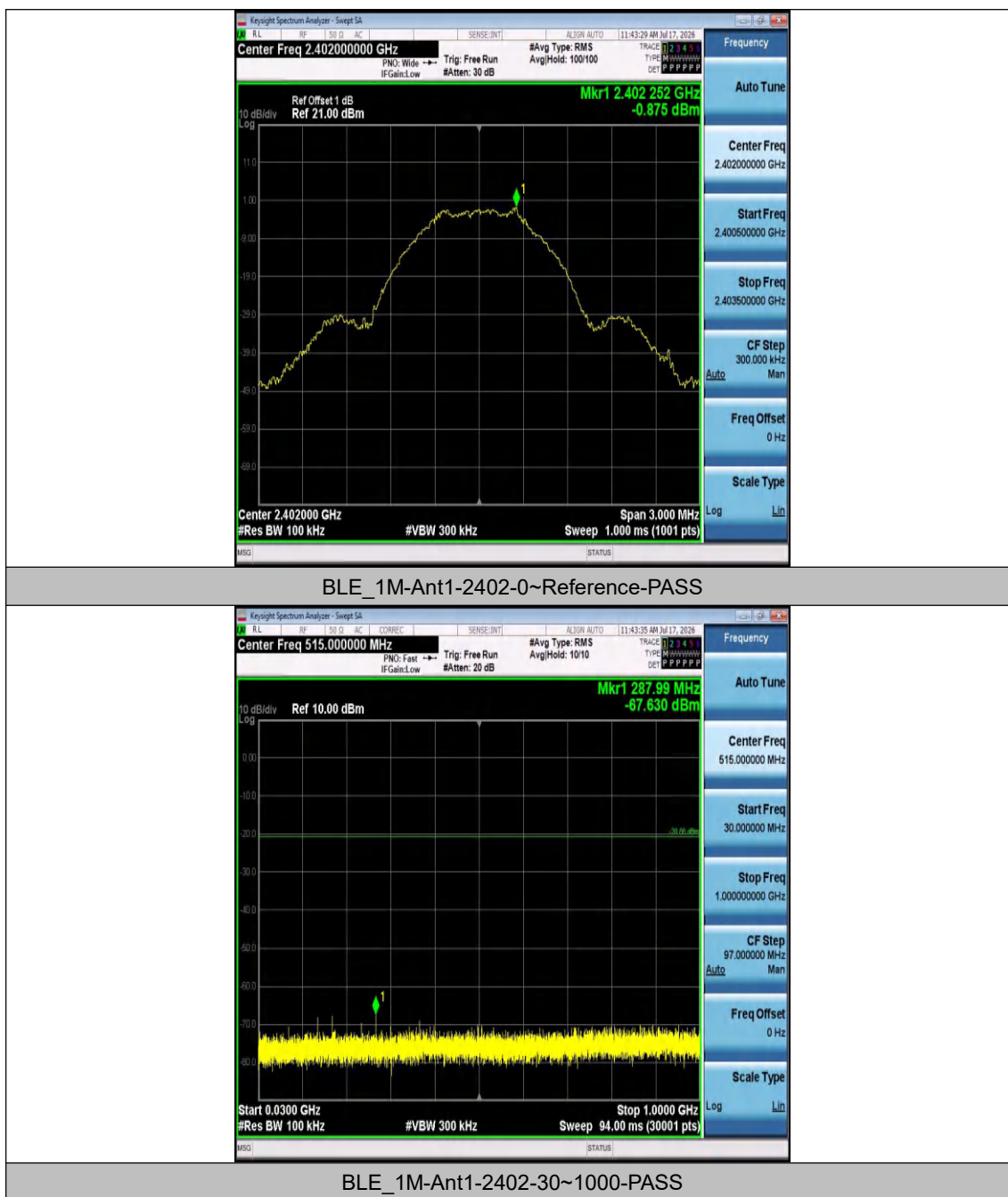
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.88	-0.88	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.88	-67.63	≤-20.88	PASS
BLE_1M	Ant1	2402	1000~26500	-0.88	-23.17	≤-20.88	PASS
BLE_1M	Ant1	2440	0~Reference	0.27	0.27	---	PASS
BLE_1M	Ant1	2440	30~1000	0.27	-68.31	≤-19.73	PASS
BLE_1M	Ant1	2440	1000~26500	0.27	-22.69	≤-19.73	PASS
BLE_1M	Ant1	2480	0~Reference	1.01	1.01	---	PASS
BLE_1M	Ant1	2480	30~1000	1.01	-68.78	≤-18.99	PASS
BLE_1M	Ant1	2480	1000~26500	1.01	-23.07	≤-18.99	PASS
BLE_2M	Ant1	2402	0~Reference	-3.09	-3.09	---	PASS
BLE_2M	Ant1	2402	30~1000	-3.09	-68.52	≤-23.09	PASS
BLE_2M	Ant1	2402	1000~26500	-3.09	-26.55	≤-23.09	PASS
BLE_2M	Ant1	2440	0~Reference	-1.90	-1.90	---	PASS
BLE_2M	Ant1	2440	30~1000	-1.90	-69.01	≤-21.9	PASS
BLE_2M	Ant1	2440	1000~26500	-1.90	-25.98	≤-21.9	PASS
BLE_2M	Ant1	2480	0~Reference	-1.21	-1.21	---	PASS
BLE_2M	Ant1	2480	30~1000	-1.21	-68.29	≤-21.21	PASS
BLE_2M	Ant1	2480	1000~26500	-1.21	-25.51	≤-21.21	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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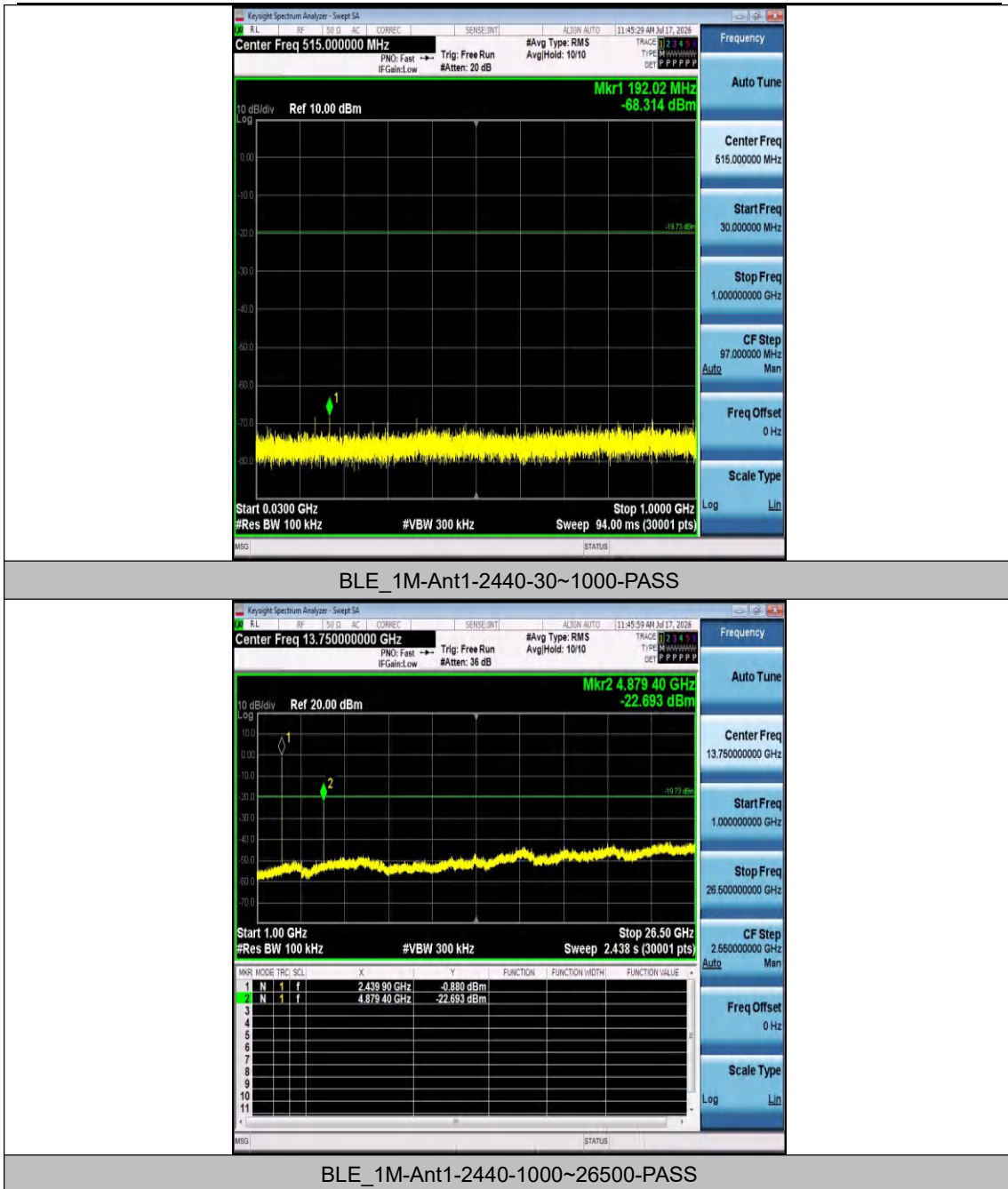
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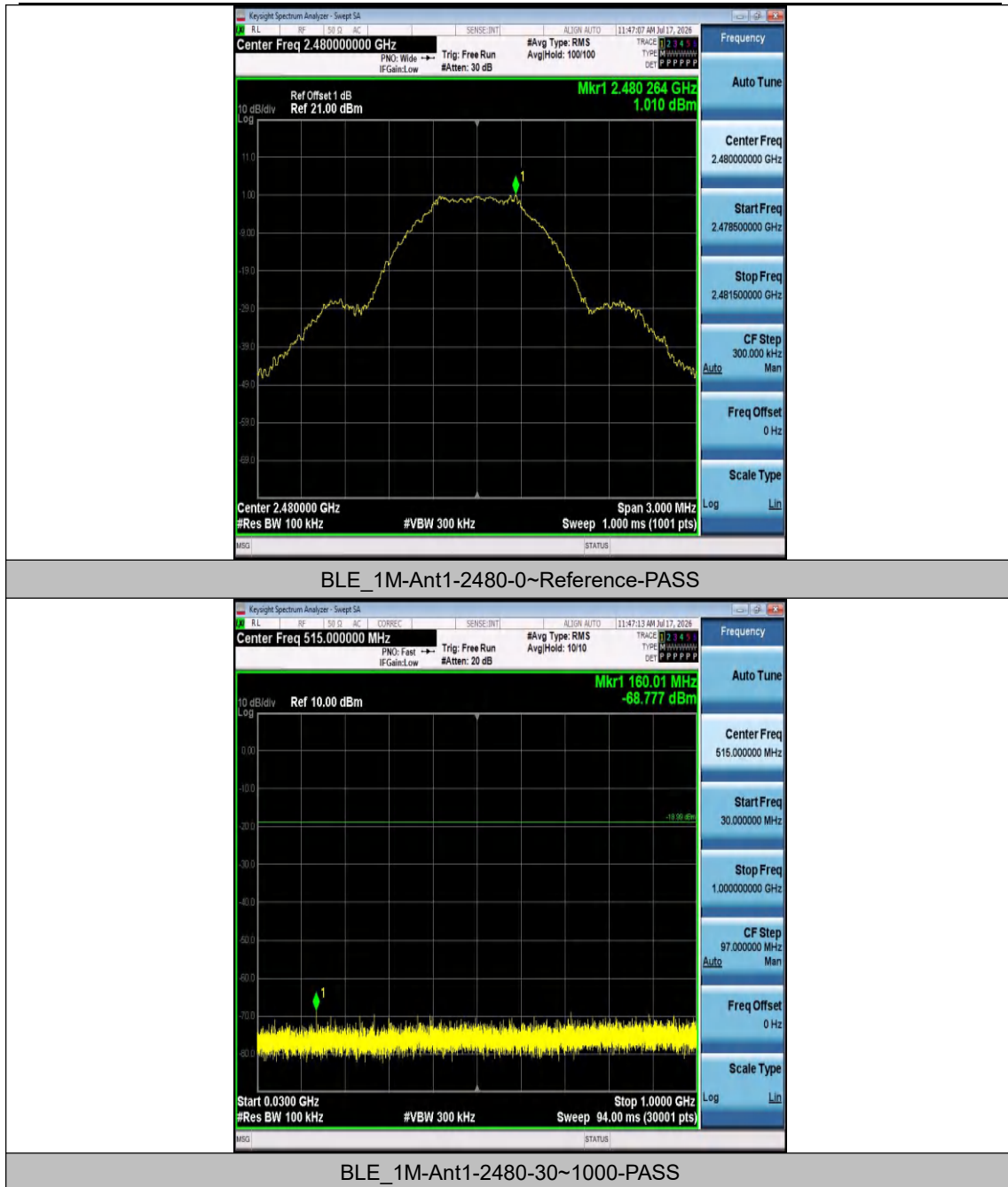
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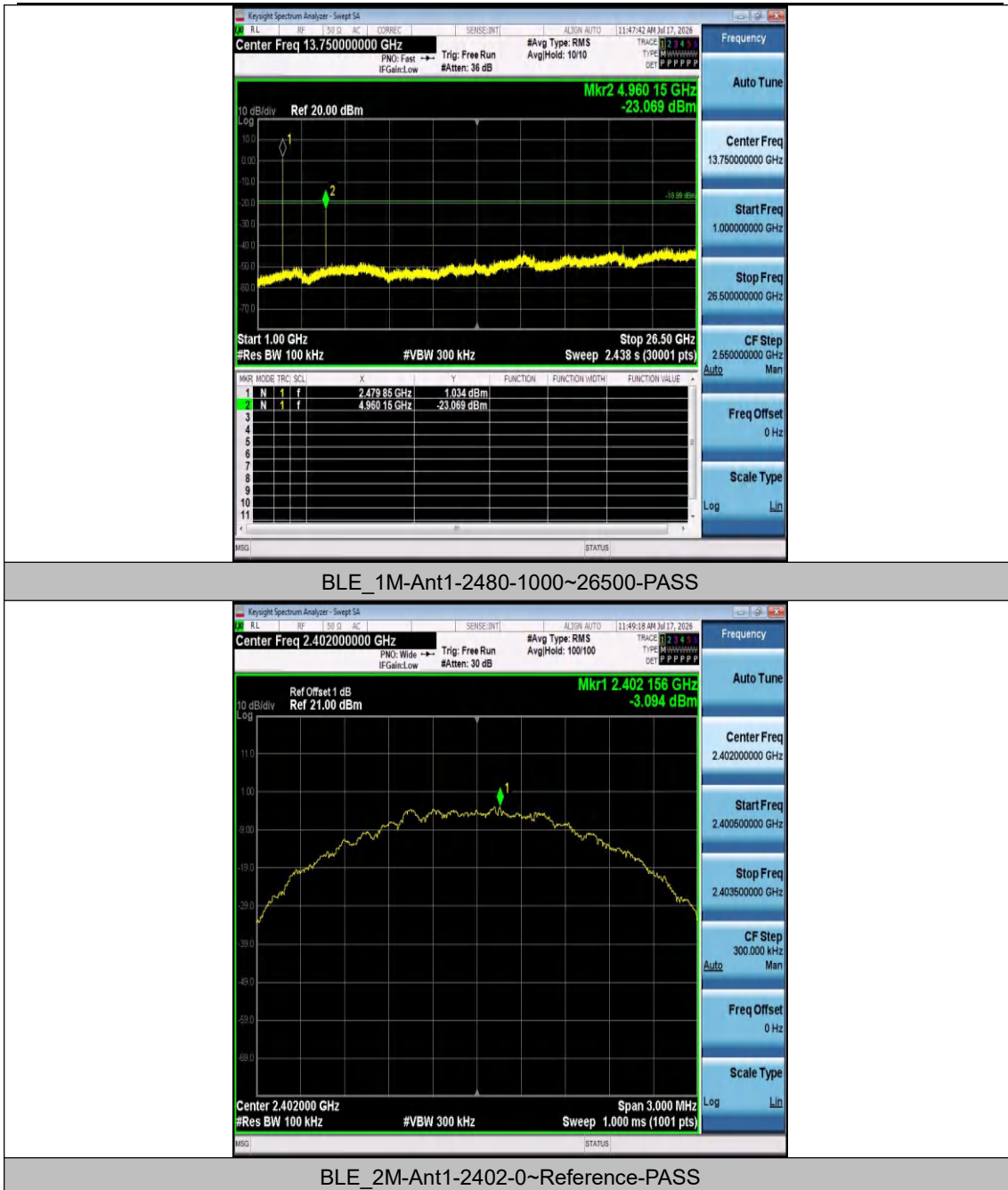
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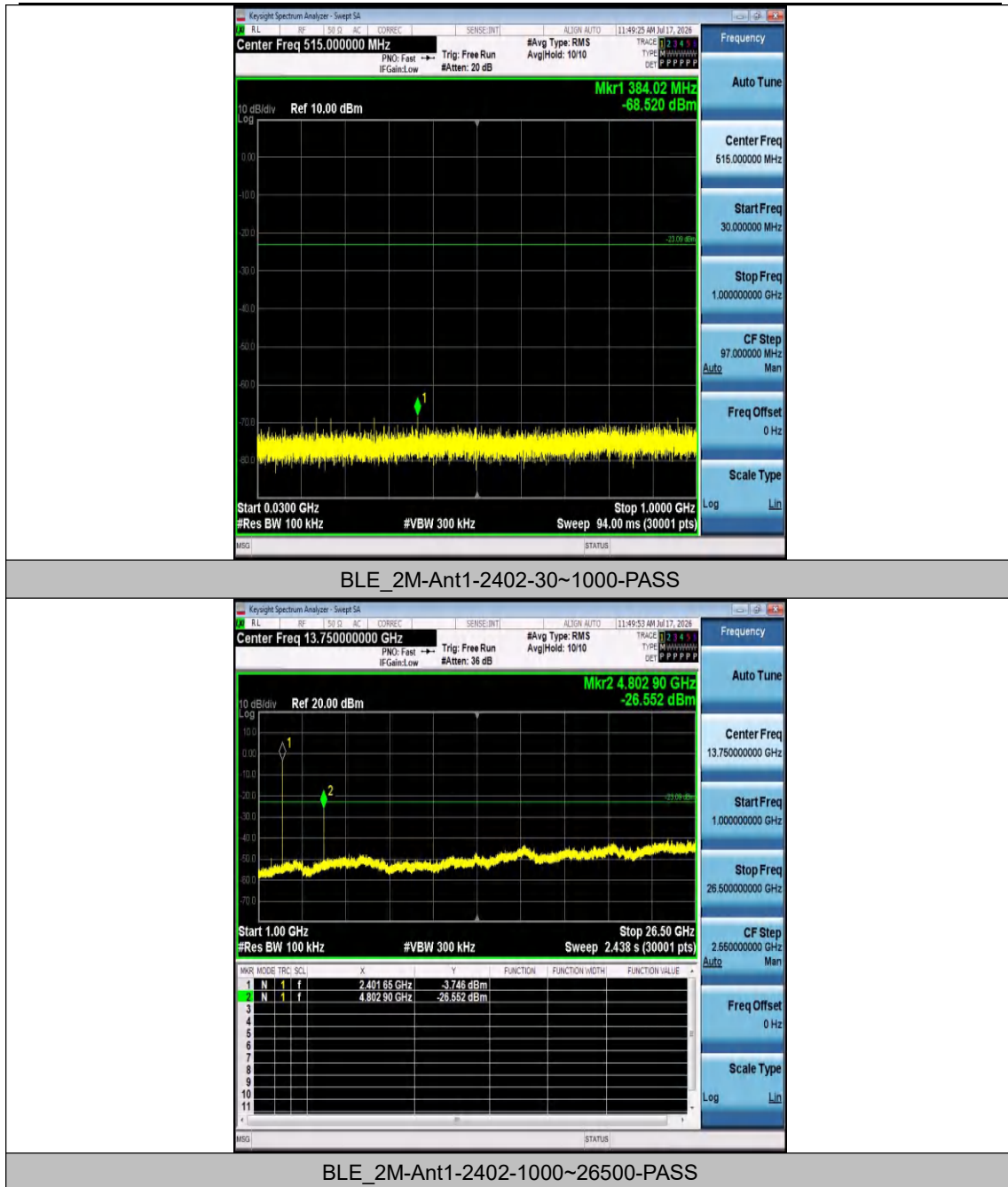
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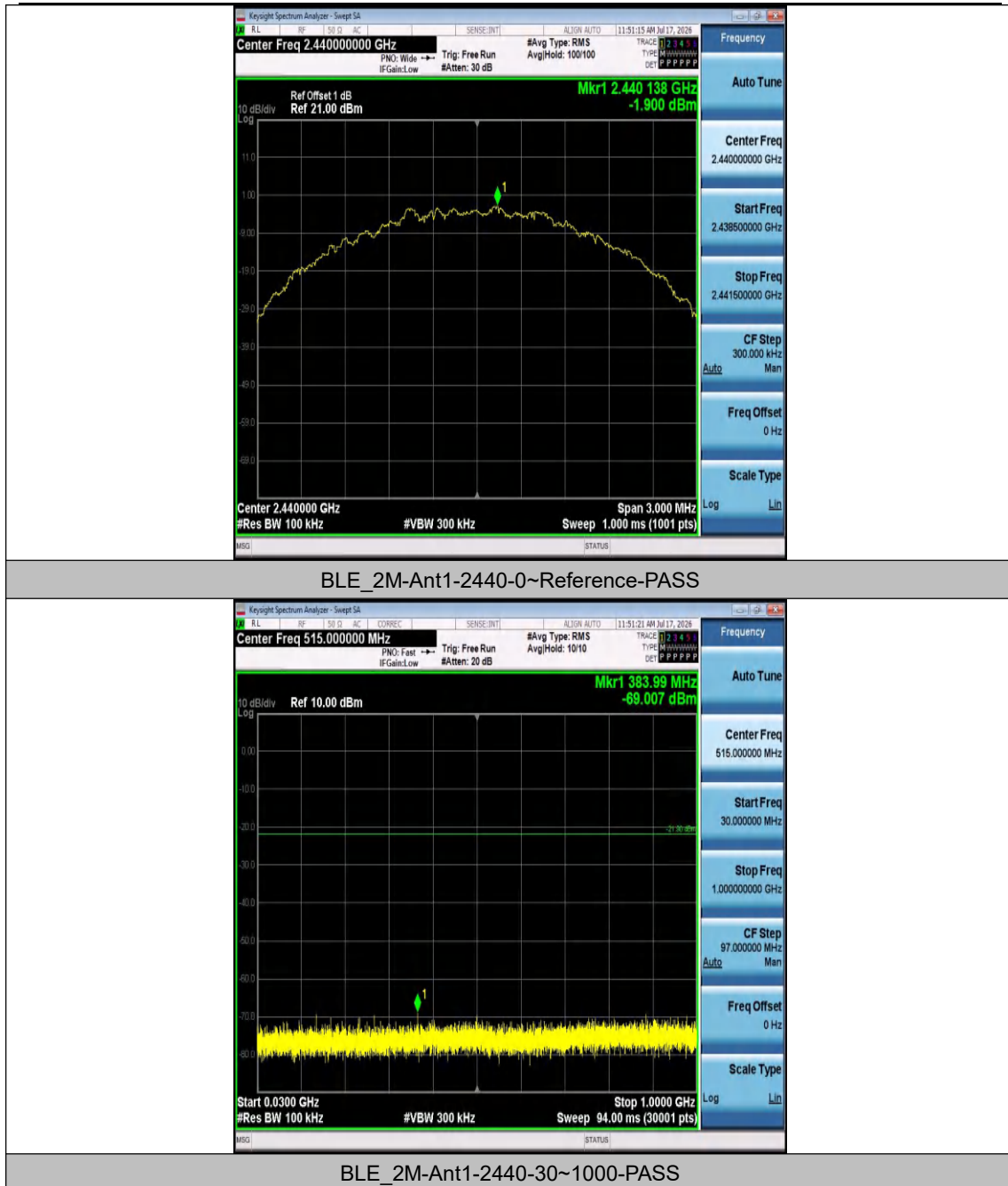
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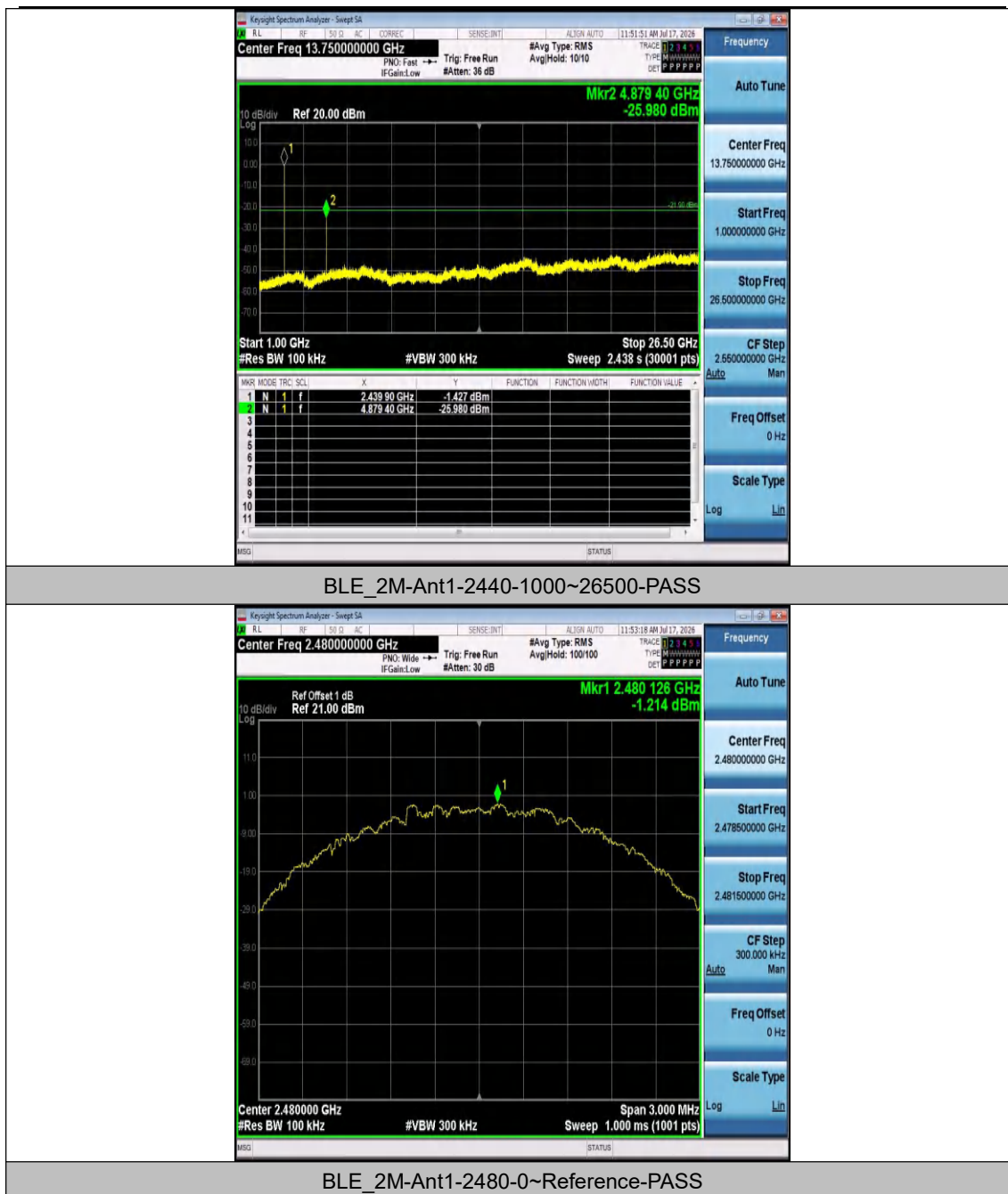
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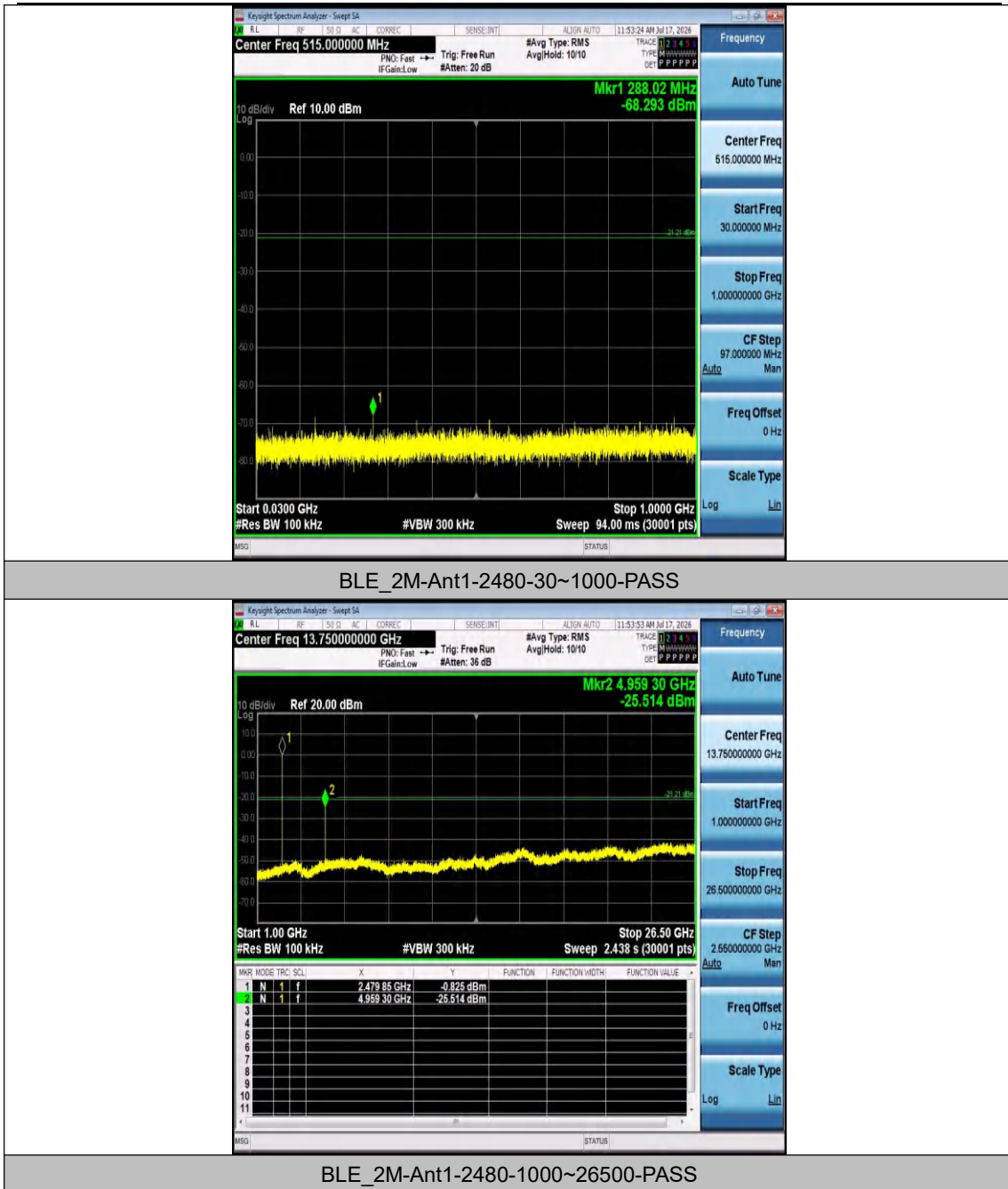
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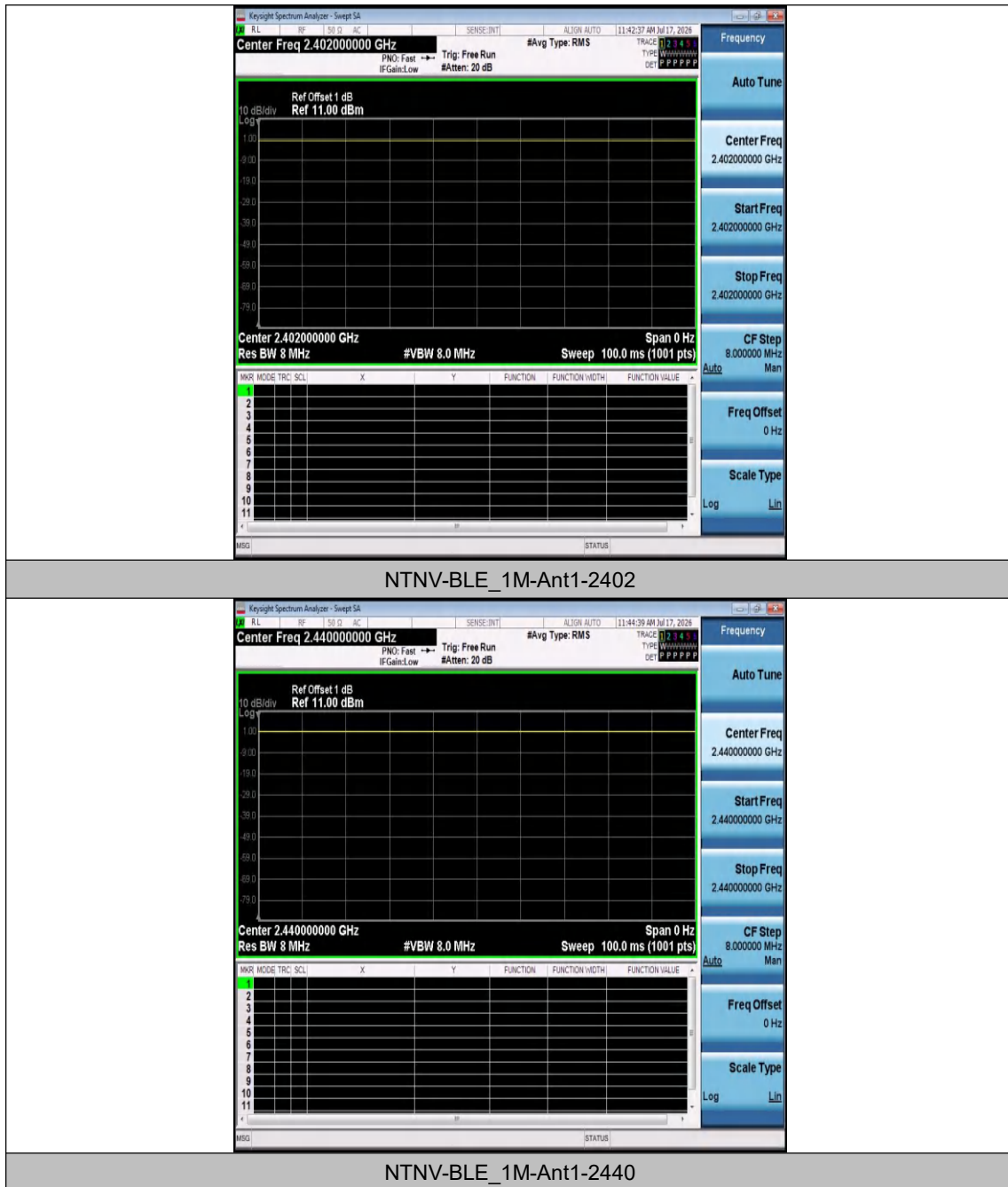
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2480	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2480	100.00	100.00	100.00	0.00

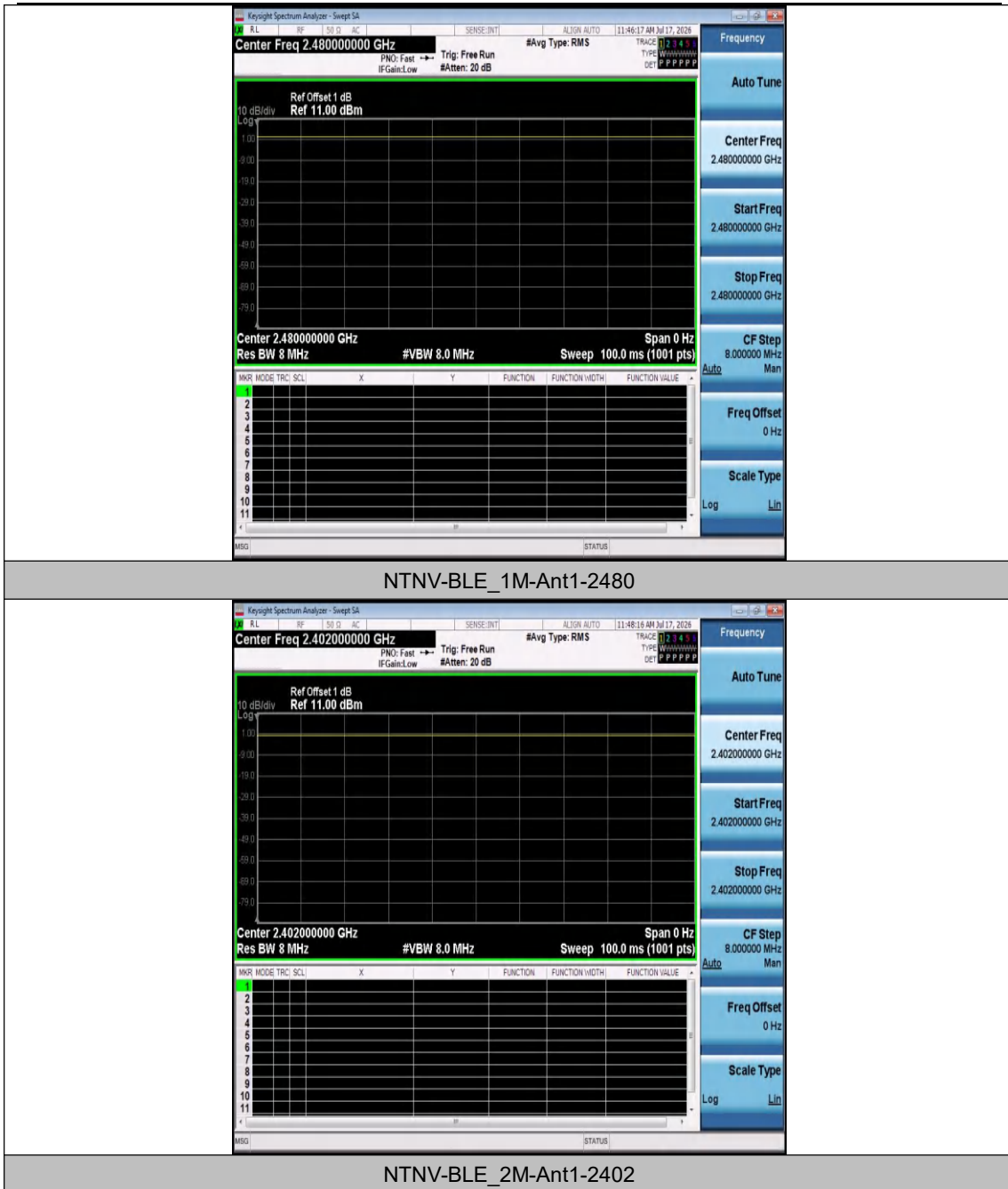
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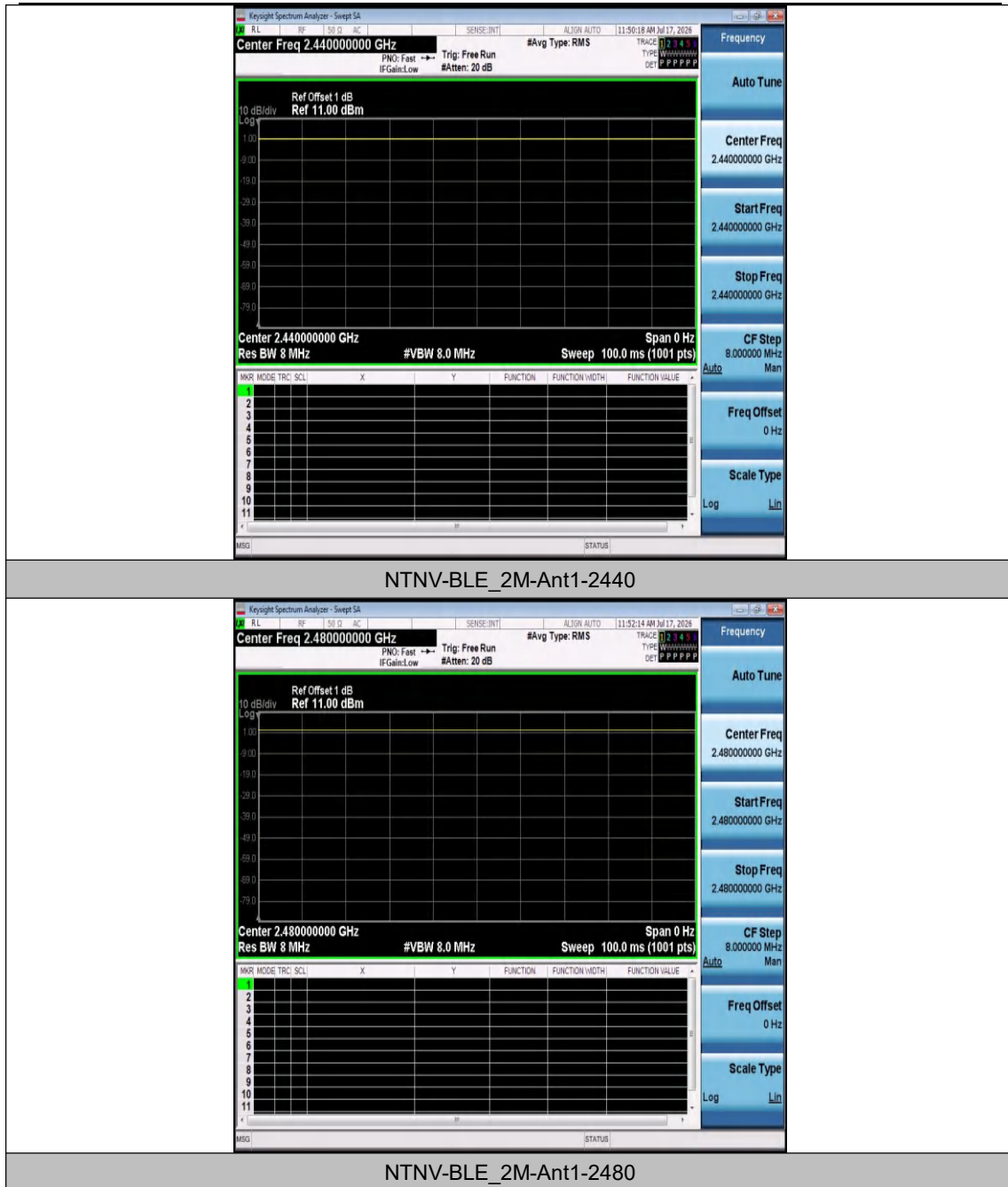
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