

Appendix Test Data

Report No.:	1818C60098212501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-14	Finish Test Date:	2026-7-17
Test Engineer:	Huisen Guan	Auditor:	Justin Feng
Temperature:	25.6°C	Relative Humidity:	61%
Pressure:	101kPa		

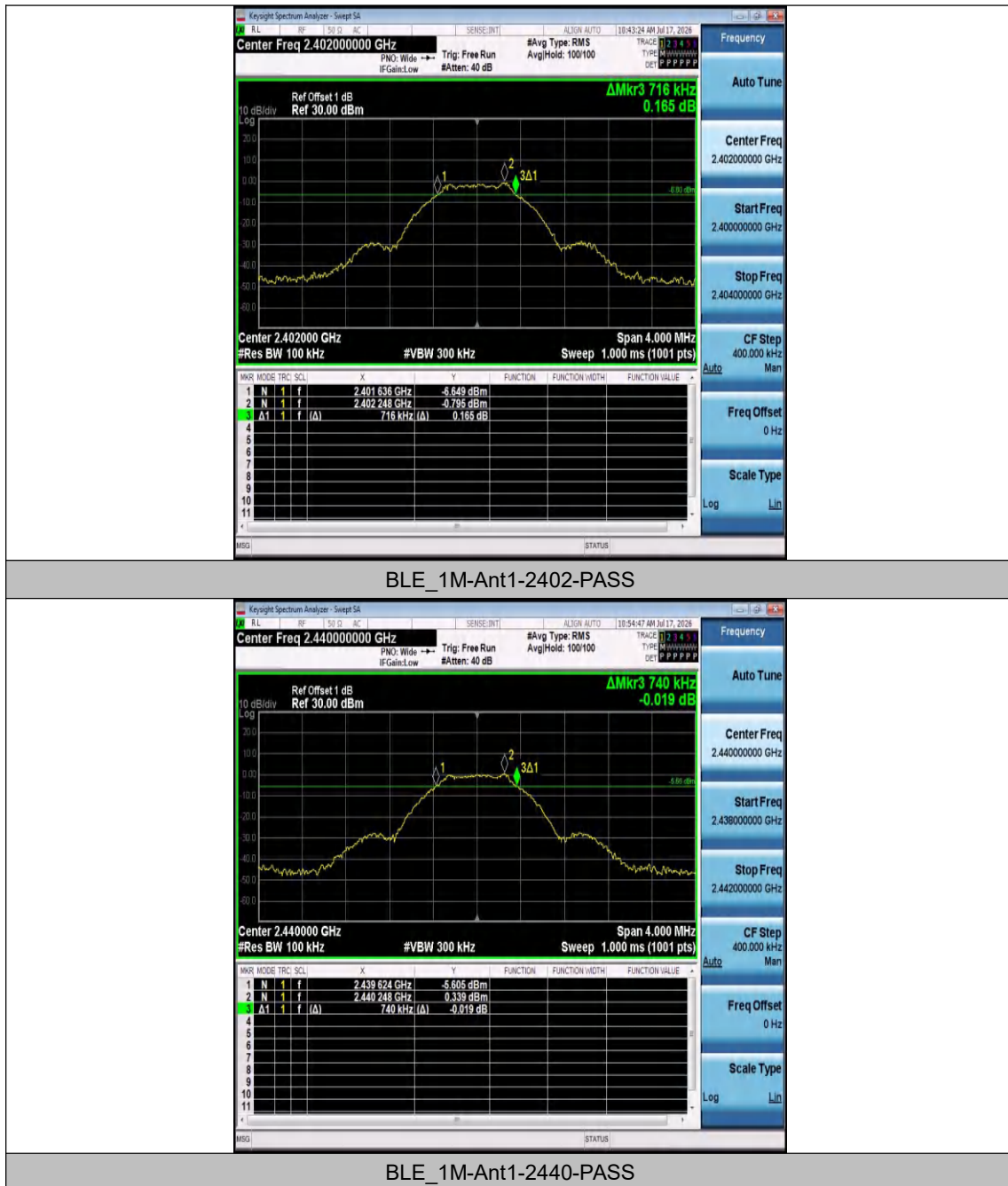


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.716	2401.636	2402.352	0.5	PASS
BLE_1M	Ant1	2440	0.740	2439.624	2440.364	0.5	PASS
BLE_1M	Ant1	2480	0.756	2479.616	2480.372	0.5	PASS
BLE_2M	Ant1	2402	1.284	2401.364	2402.648	0.5	PASS
BLE_2M	Ant1	2440	1.316	2439.348	2440.664	0.5	PASS
BLE_2M	Ant1	2480	1.344	2479.336	2480.680	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	1.0754	2401.4661	2402.5415	---	---
BLE_1M	Ant1	2440	1.0915	2439.4552	2440.5467	---	---
BLE_1M	Ant1	2480	1.0946	2479.4530	2480.5476	---	---
BLE_2M	Ant1	2402	2.2327	2400.8840	2403.1167	---	---
BLE_2M	Ant1	2440	2.2397	2438.8811	2441.1208	---	---
BLE_2M	Ant1	2480	2.2754	2478.8568	2481.1322	---	---

Test Graphs



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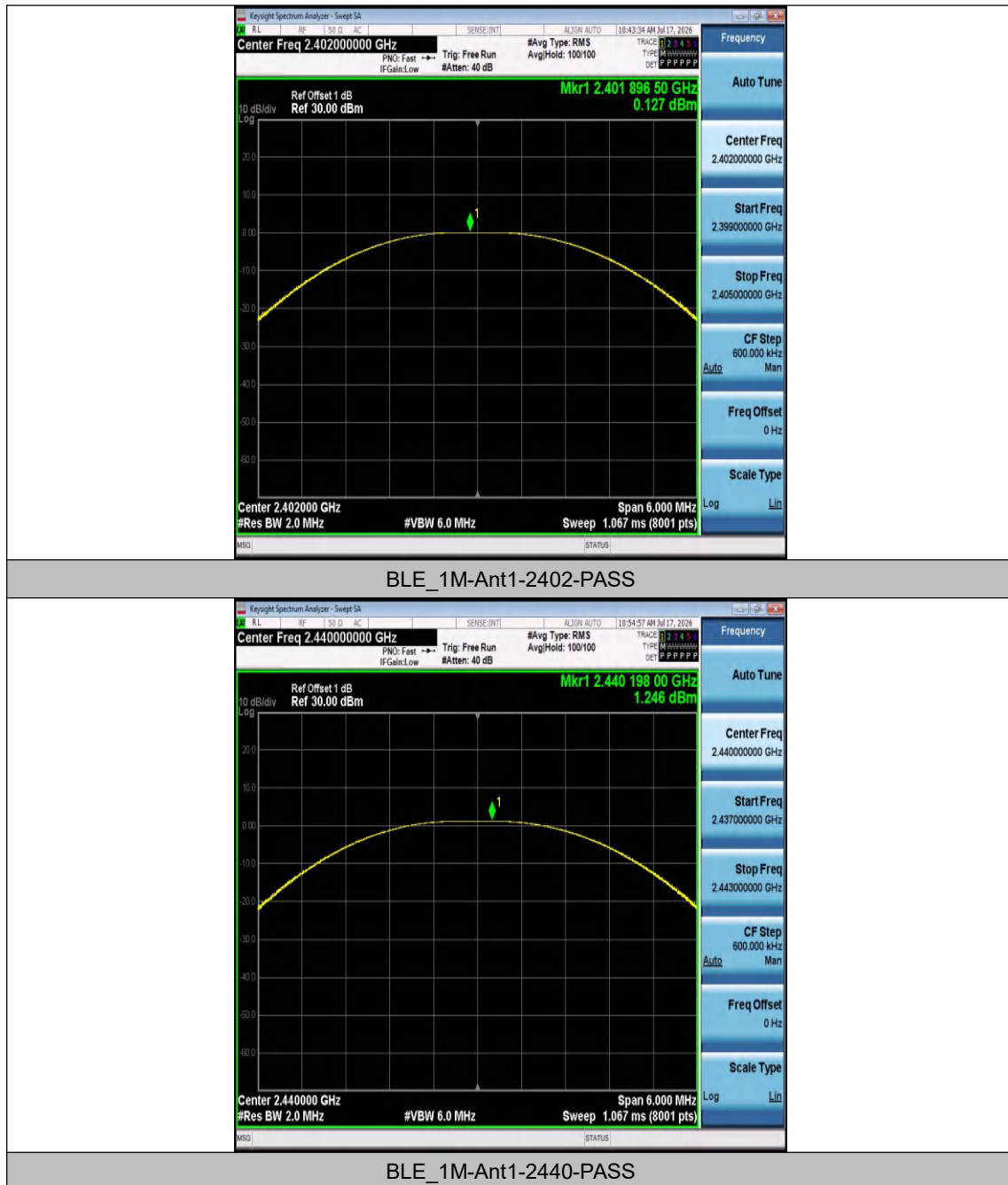
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.13	≤30	PASS
BLE_1M	Ant1	2440	1.25	≤30	PASS
BLE_1M	Ant1	2480	2.14	≤30	PASS
BLE_2M	Ant1	2402	0.12	≤30	PASS
BLE_2M	Ant1	2440	1.27	≤30	PASS
BLE_2M	Ant1	2480	2.16	≤30	PASS

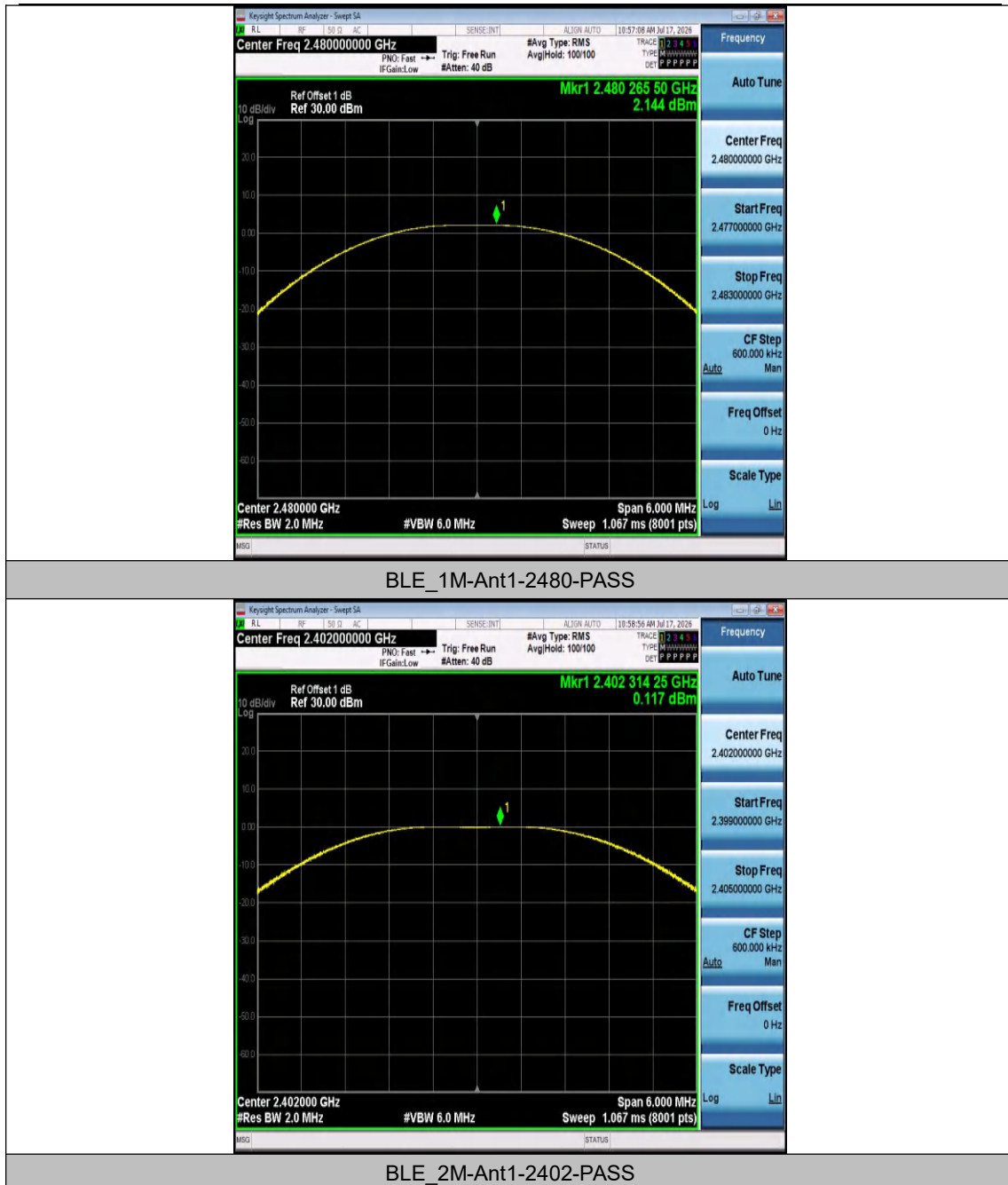
Test Graphs Peak



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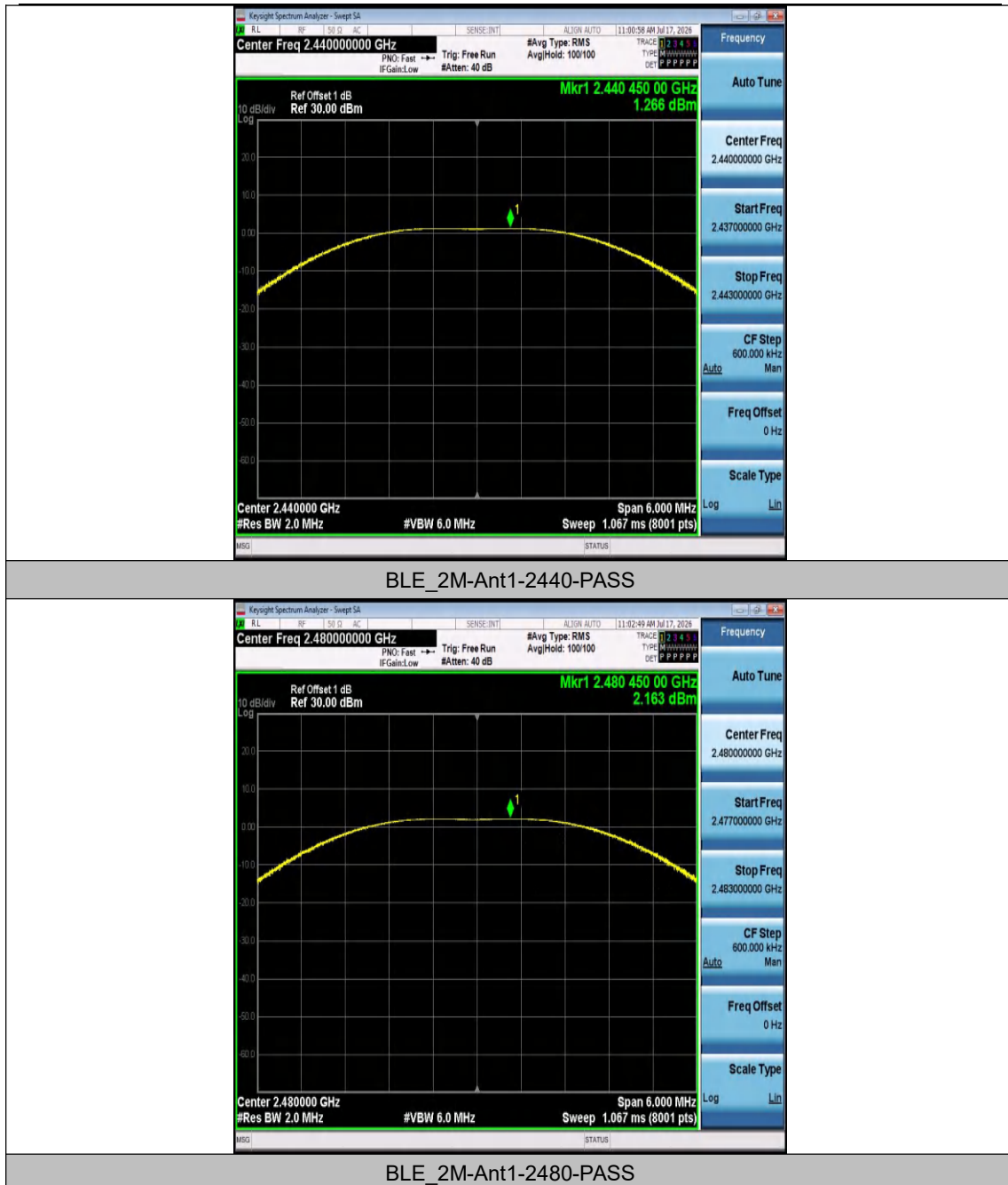
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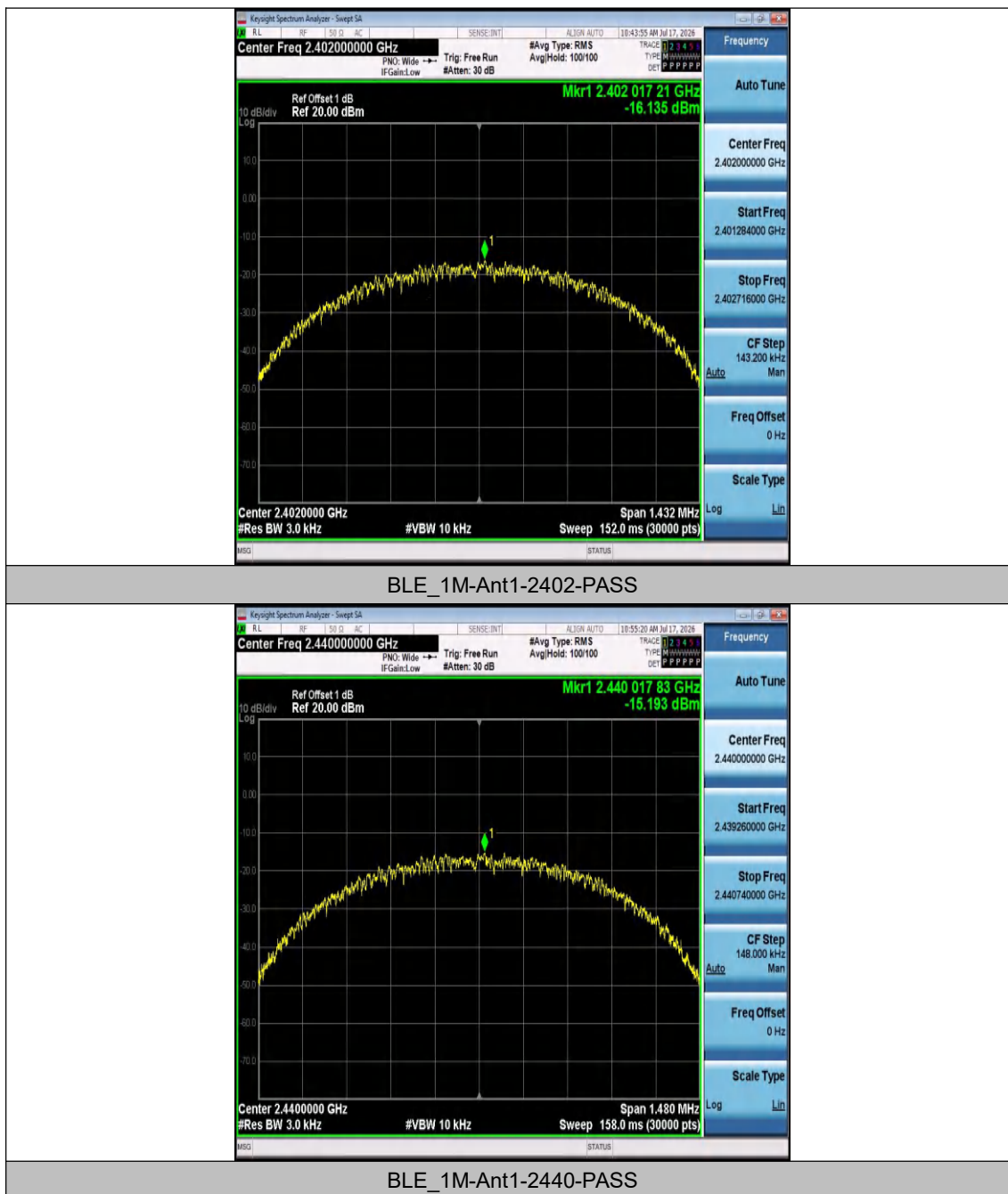
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.14	≤8.00	PASS
BLE_1M	Ant1	2440	-15.19	≤8.00	PASS
BLE_1M	Ant1	2480	-14.43	≤8.00	PASS
BLE_2M	Ant1	2402	-17.14	≤8.00	PASS
BLE_2M	Ant1	2440	-16.04	≤8.00	PASS
BLE_2M	Ant1	2480	-15.26	≤8.00	PASS

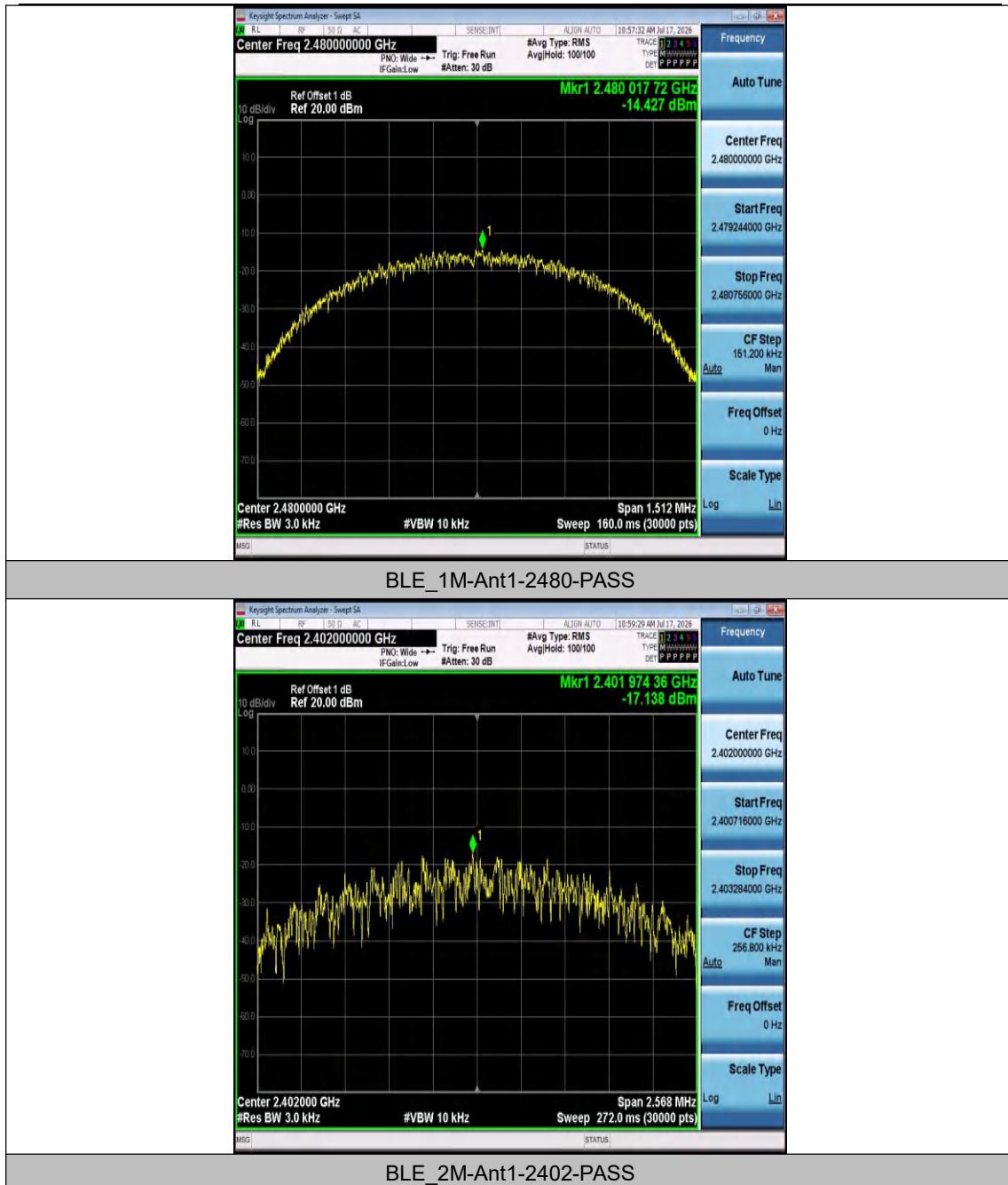
Test Graphs



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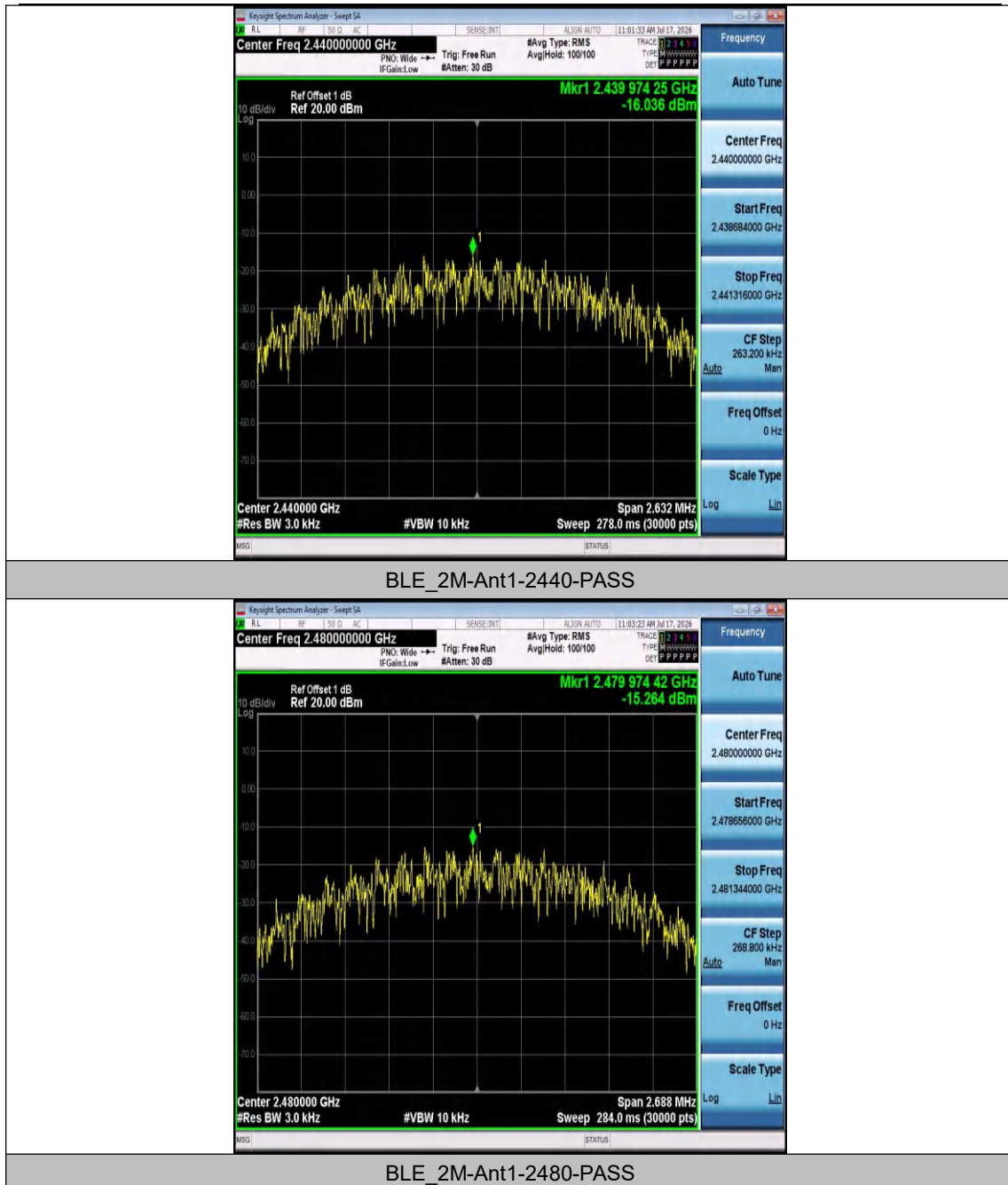
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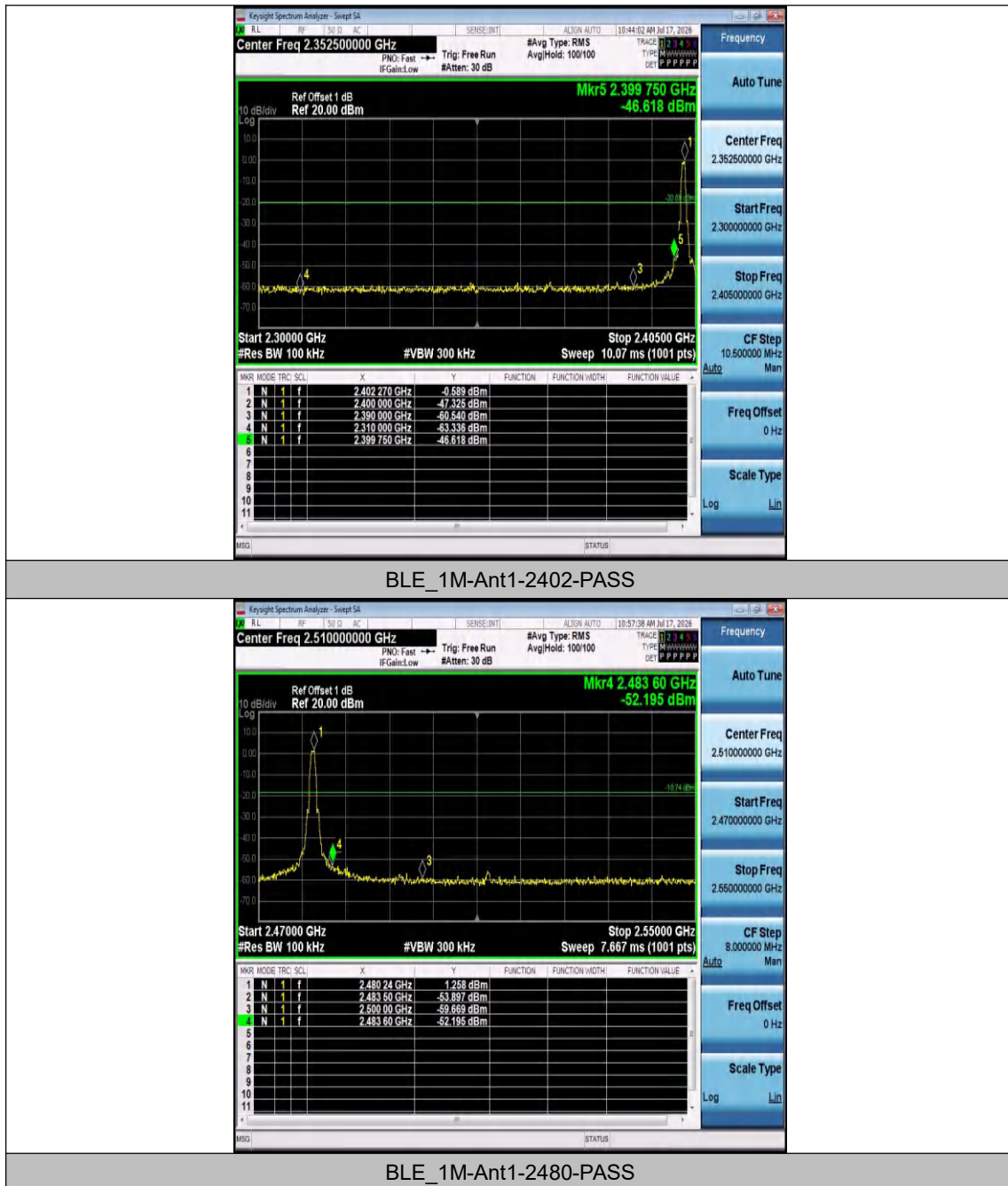
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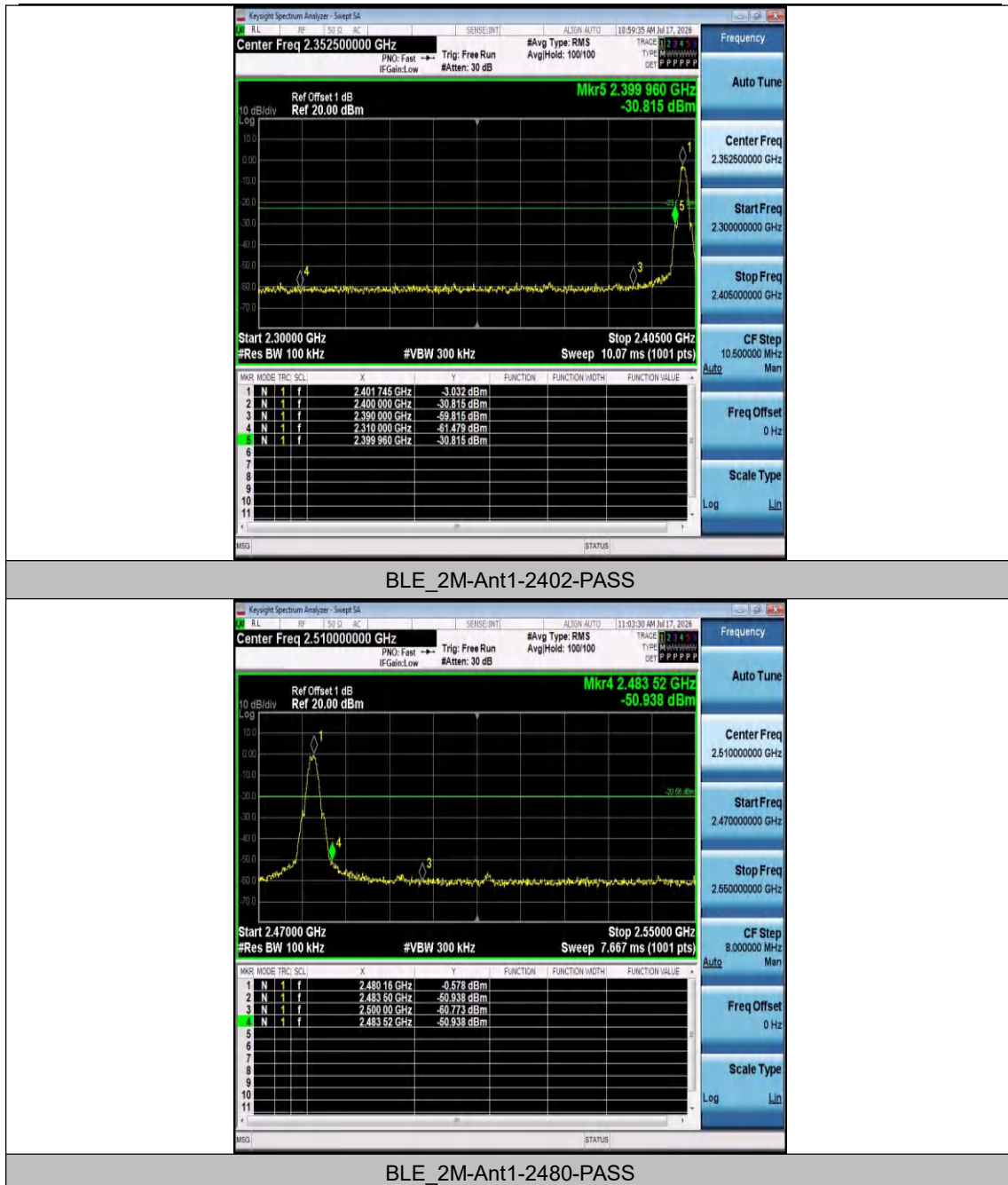
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.59	-46.62	≤-20.59	PASS
BLE_1M	Ant1	High	2480	1.26	-52.2	≤-18.74	PASS
BLE_2M	Ant1	Low	2402	-3.03	-30.82	≤-23.03	PASS
BLE_2M	Ant1	High	2480	-0.58	-50.94	≤-20.58	PASS

Test Graphs





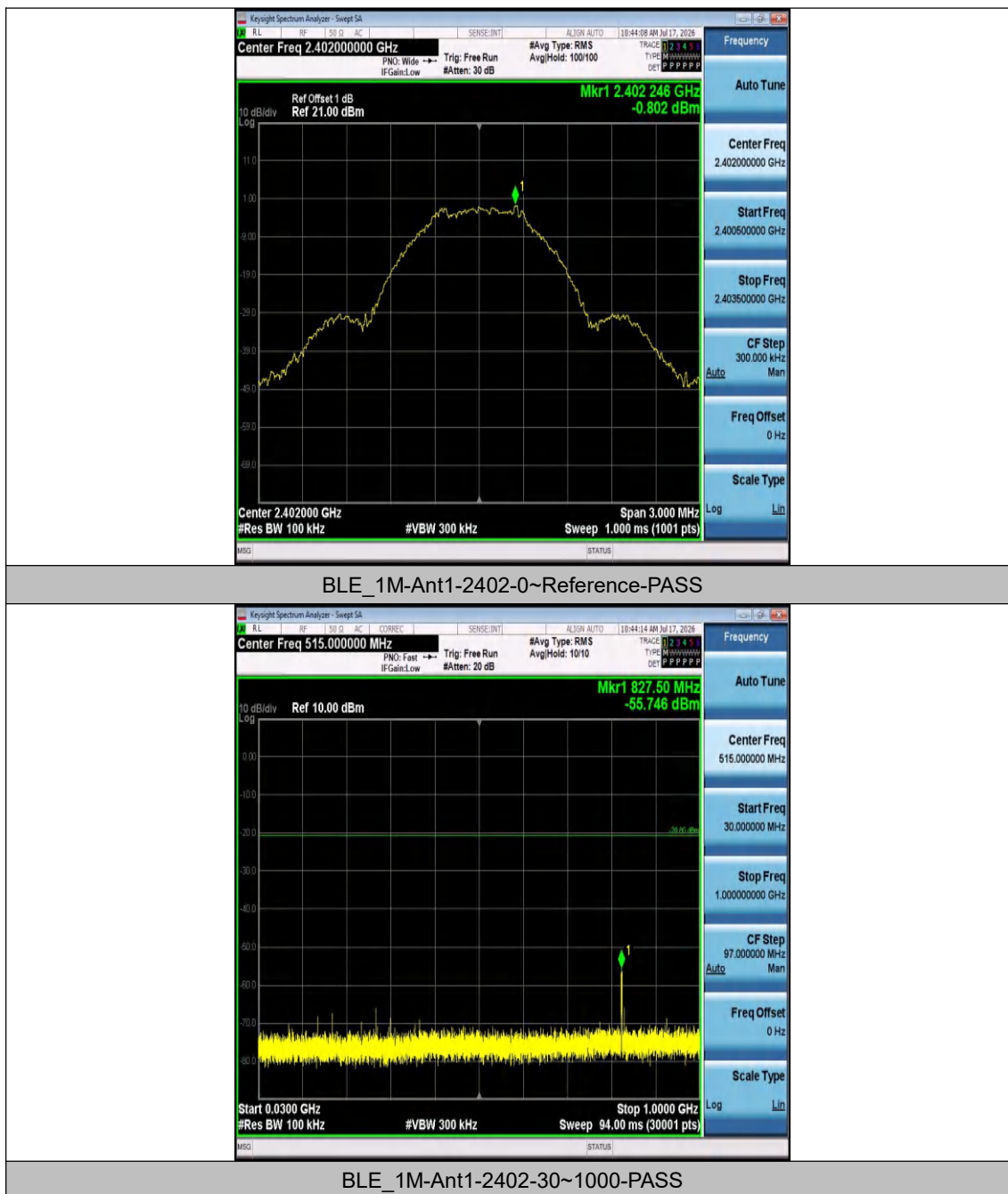
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.80	-0.80	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.80	-55.75	≤-20.8	PASS
BLE_1M	Ant1	2402	1000~26500	-0.80	-24.23	≤-20.8	PASS
BLE_1M	Ant1	2440	0~Reference	0.25	0.25	---	PASS
BLE_1M	Ant1	2440	30~1000	0.25	-68.54	≤-19.75	PASS
BLE_1M	Ant1	2440	1000~26500	0.25	-23.33	≤-19.75	PASS
BLE_1M	Ant1	2480	0~Reference	1.29	1.29	---	PASS
BLE_1M	Ant1	2480	30~1000	1.29	-64.36	≤-18.71	PASS
BLE_1M	Ant1	2480	1000~26500	1.29	-21.57	≤-18.71	PASS
BLE_2M	Ant1	2402	0~Reference	-2.99	-2.99	---	PASS
BLE_2M	Ant1	2402	30~1000	-2.99	-66.99	≤-22.99	PASS
BLE_2M	Ant1	2402	1000~26500	-2.99	-24.76	≤-22.99	PASS
BLE_2M	Ant1	2440	0~Reference	-1.85	-1.85	---	PASS
BLE_2M	Ant1	2440	30~1000	-1.85	-68.12	≤-21.85	PASS
BLE_2M	Ant1	2440	1000~26500	-1.85	-25.4	≤-21.85	PASS
BLE_2M	Ant1	2480	0~Reference	-0.92	-0.92	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.92	-68.55	≤-20.92	PASS
BLE_2M	Ant1	2480	1000~26500	-0.92	-25.19	≤-20.92	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.

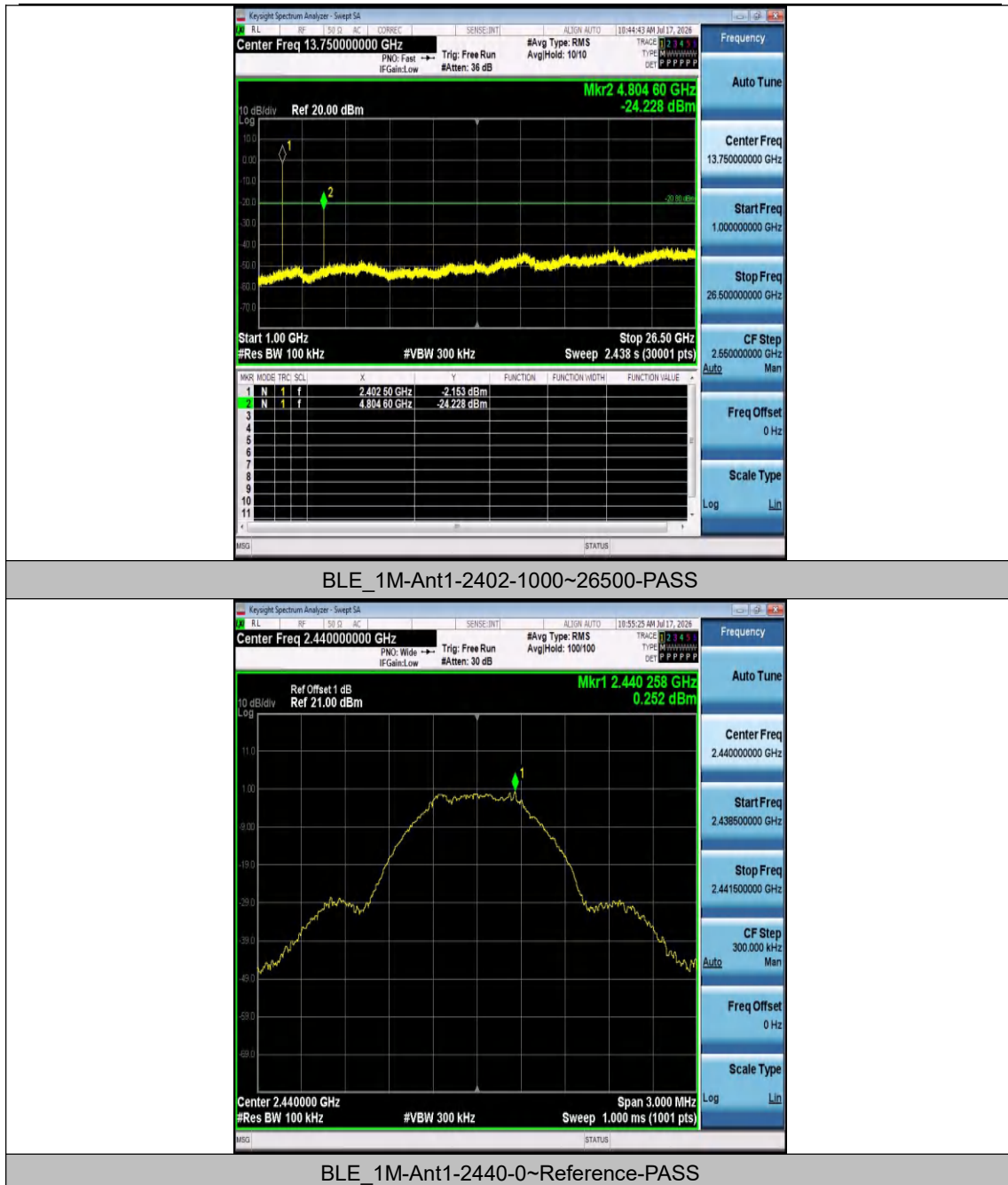
Test Graphs

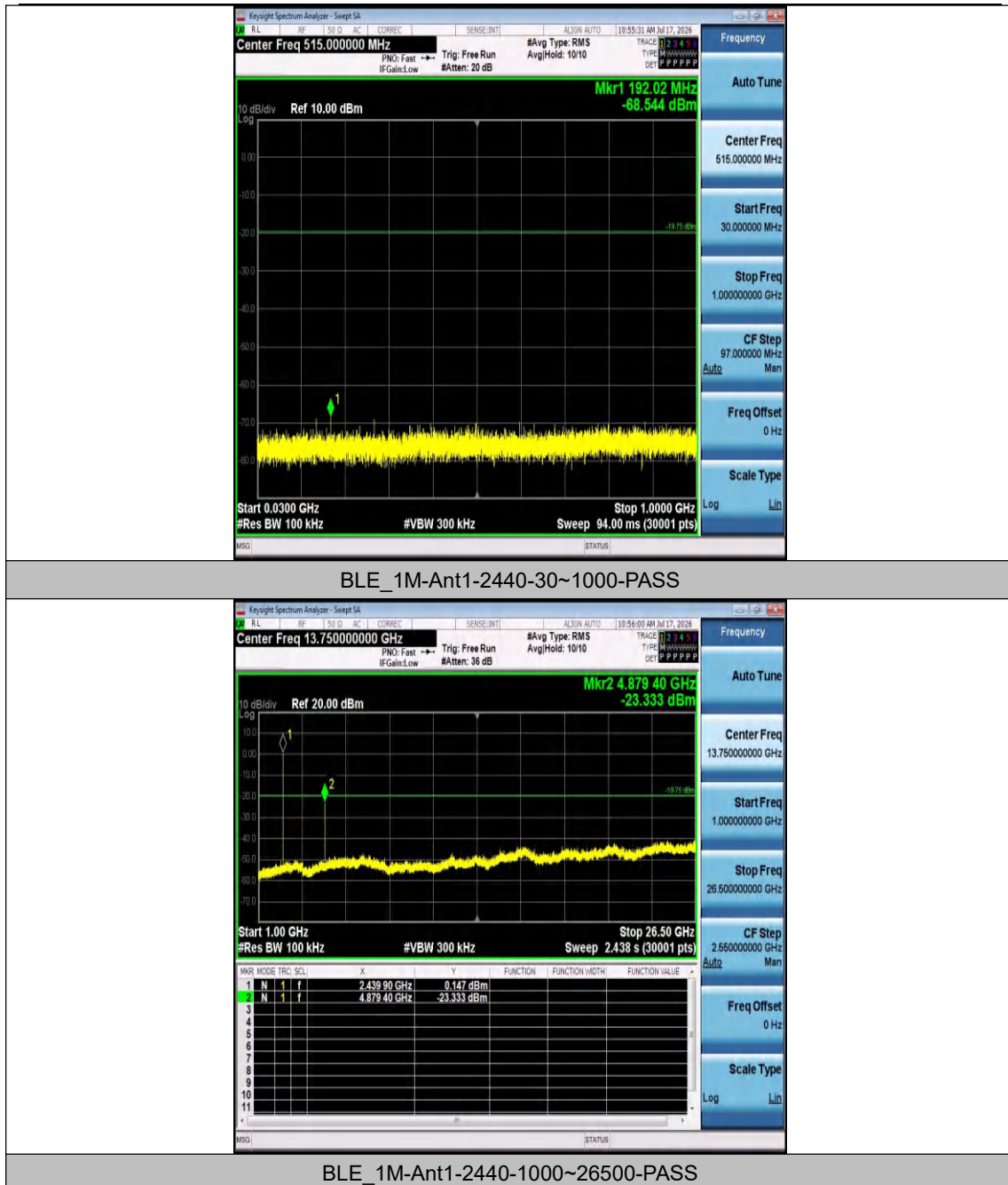


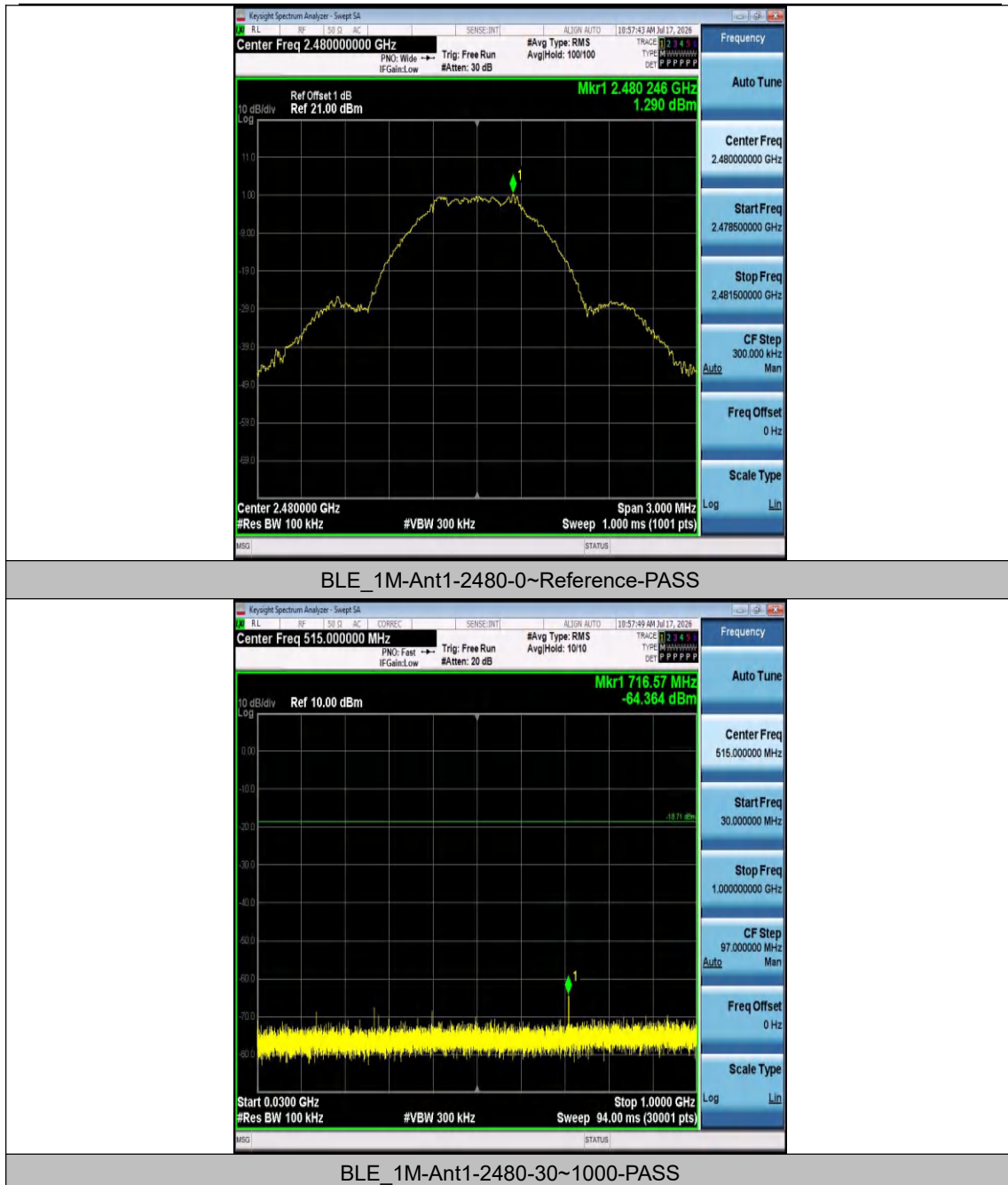
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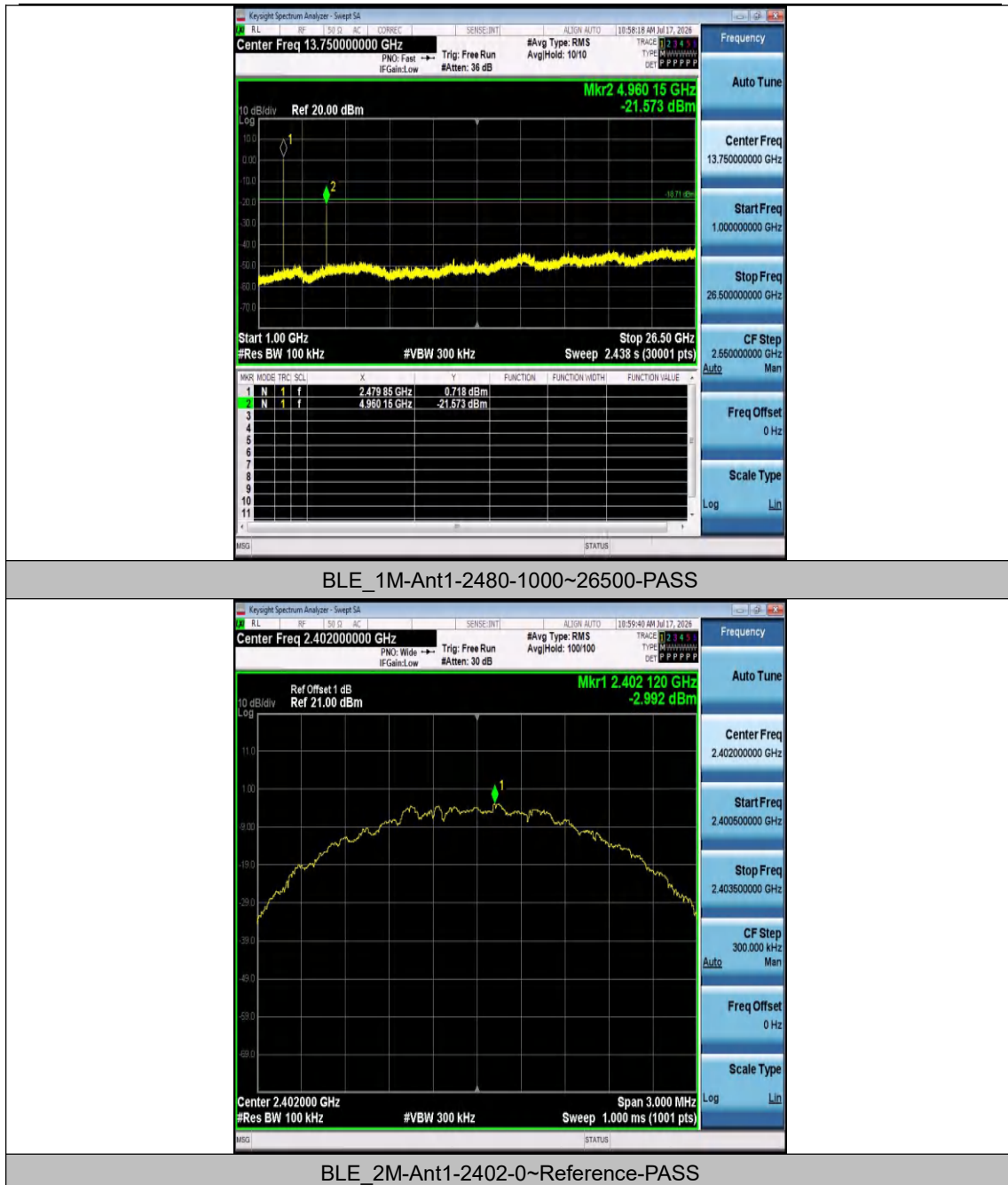




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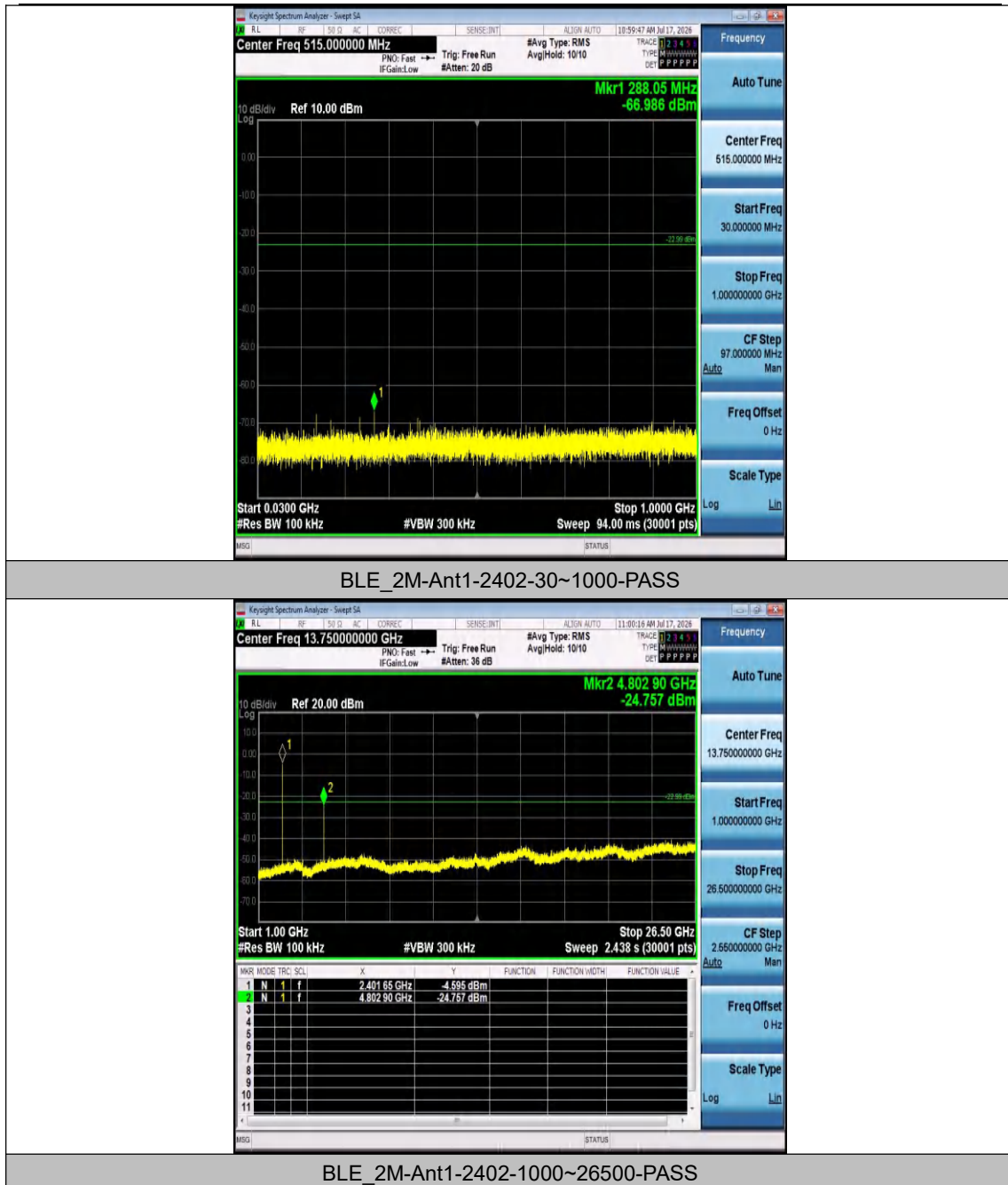
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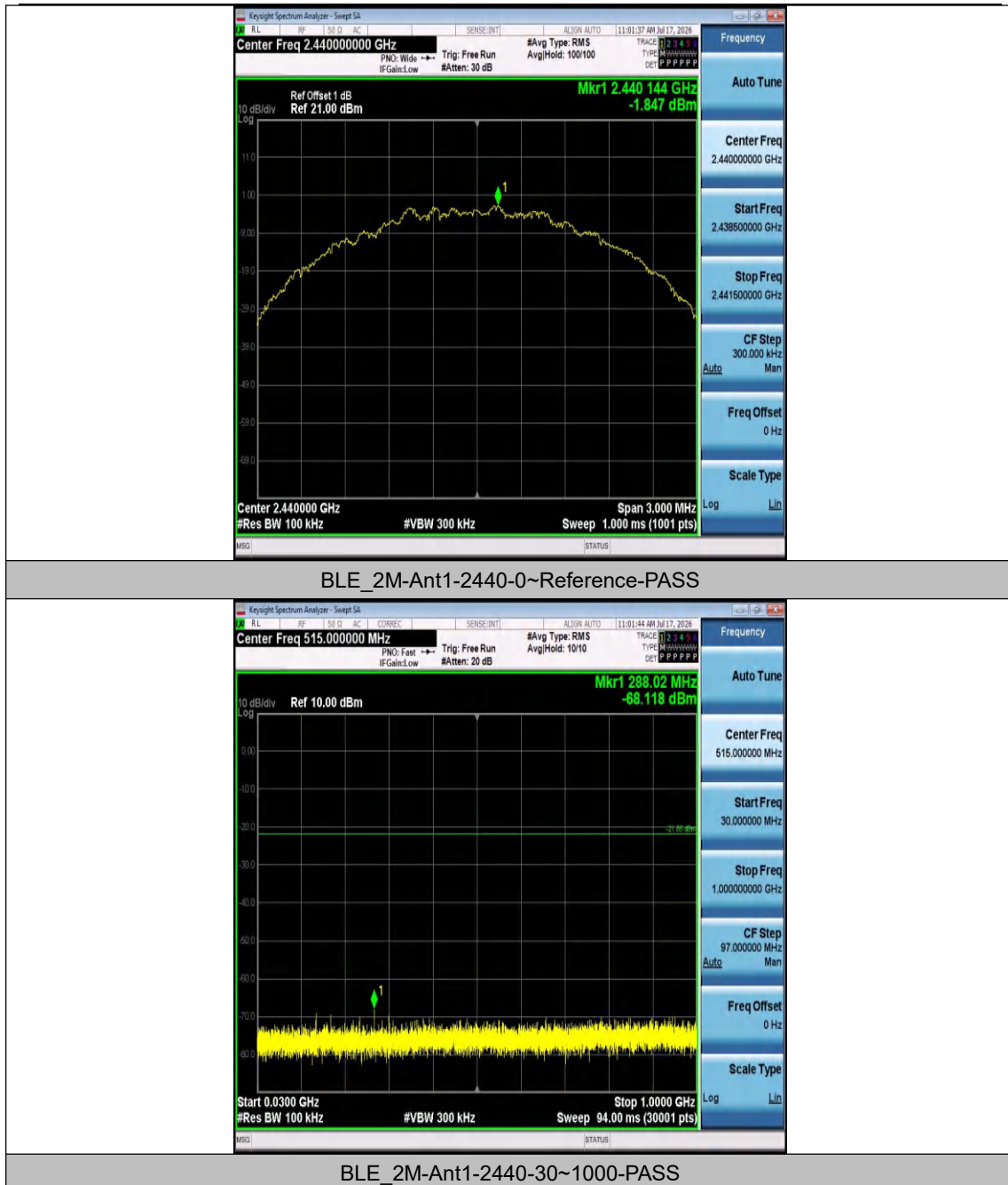
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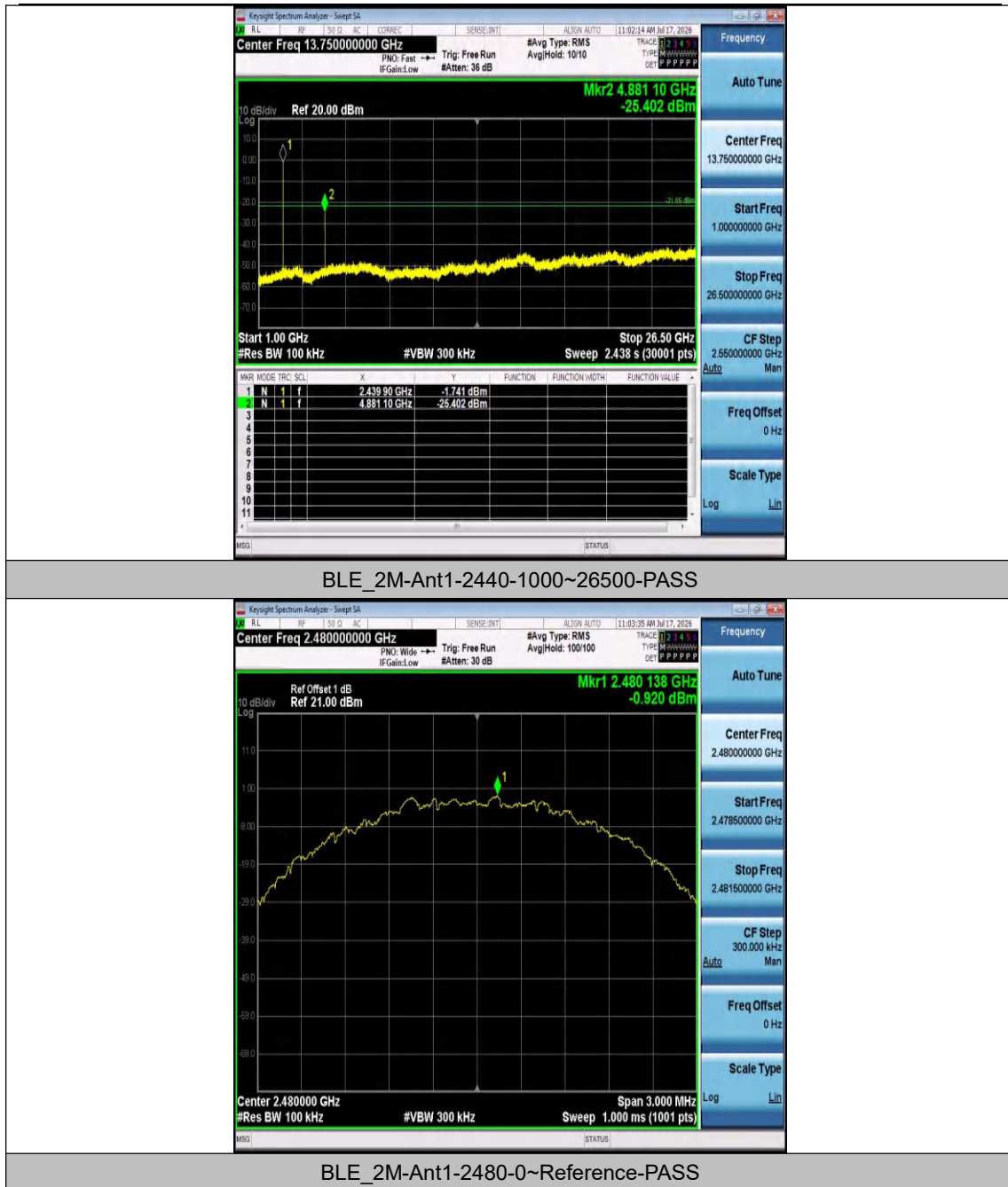
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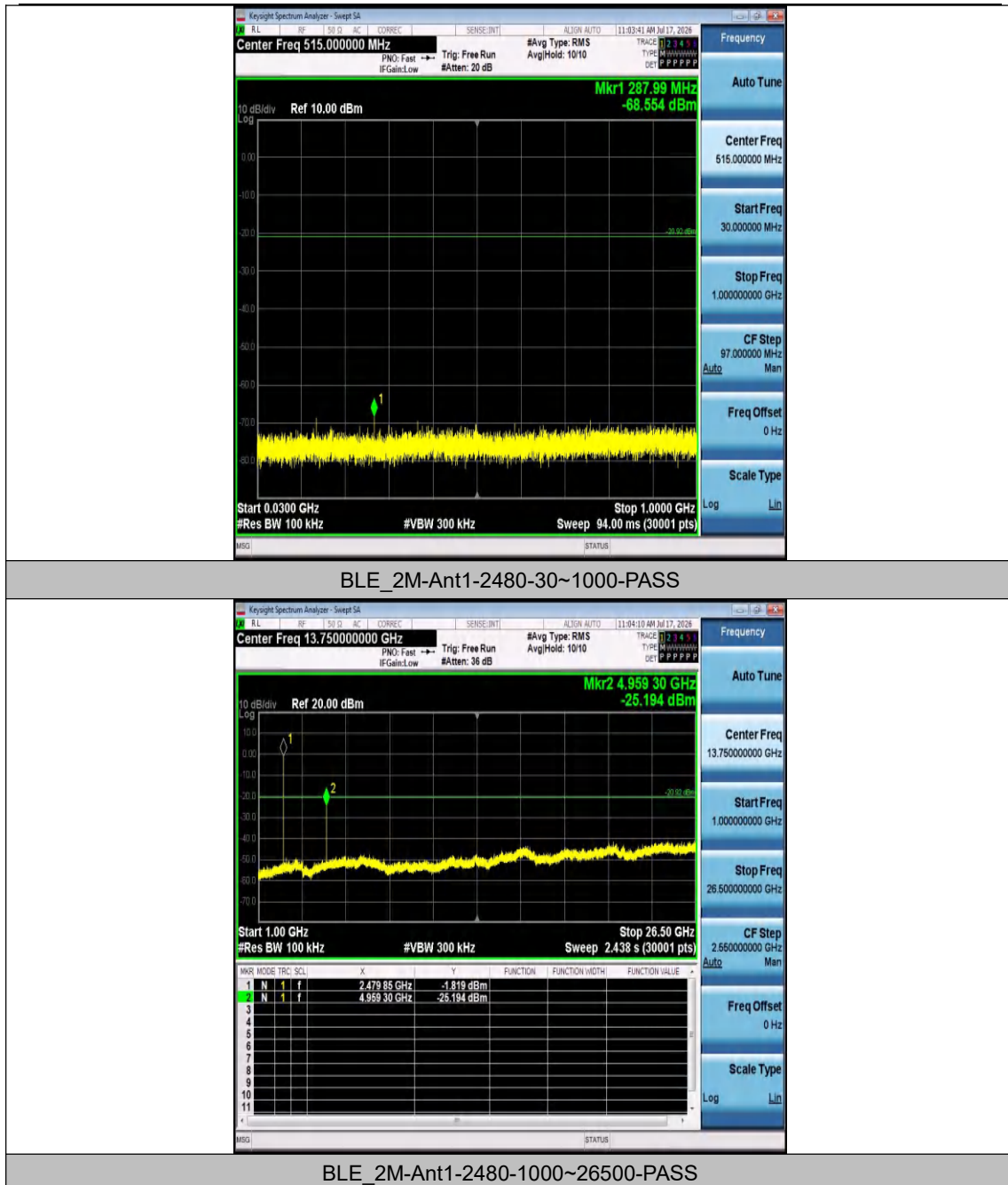
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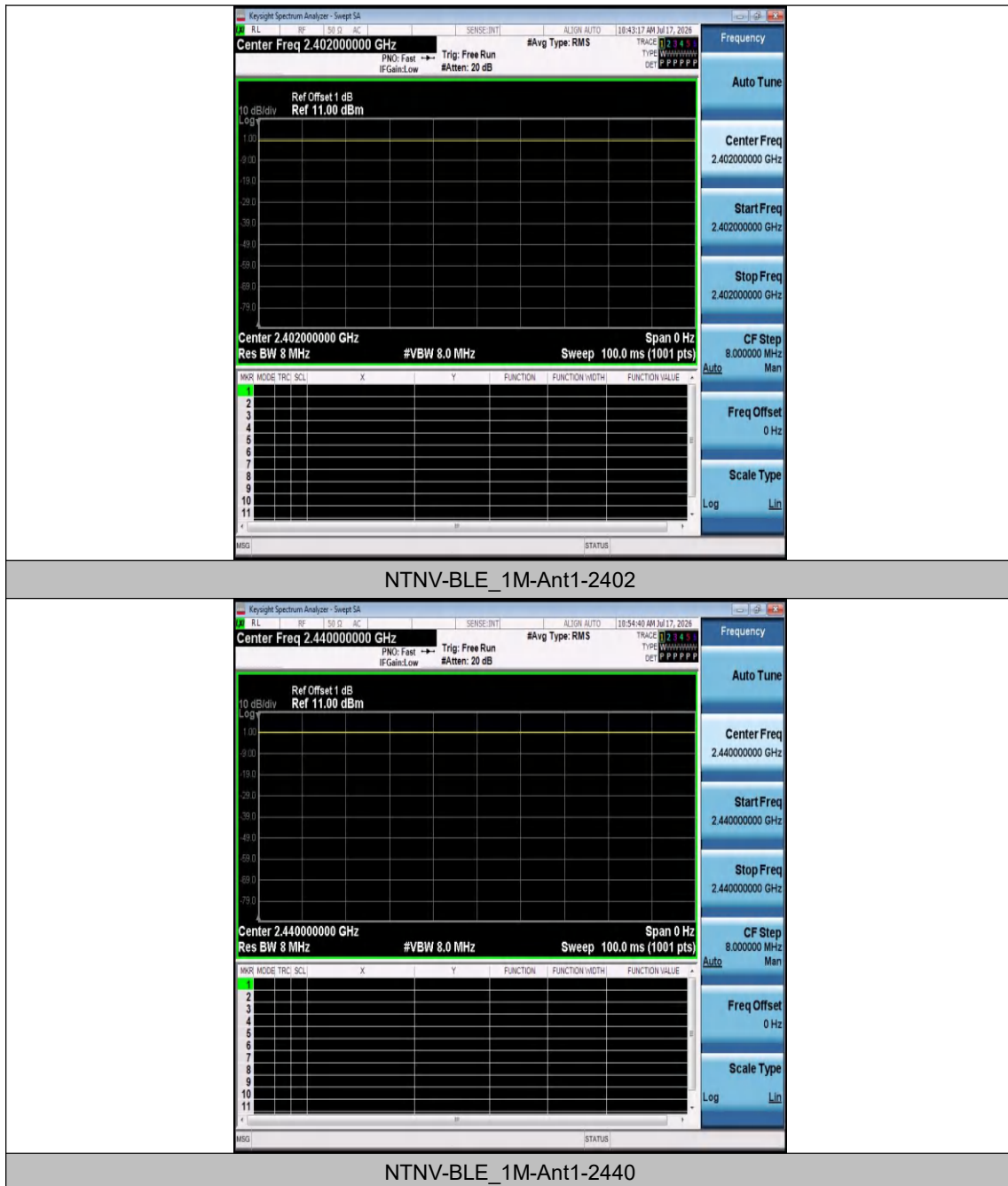
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Appendix G: Duty Cycle

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

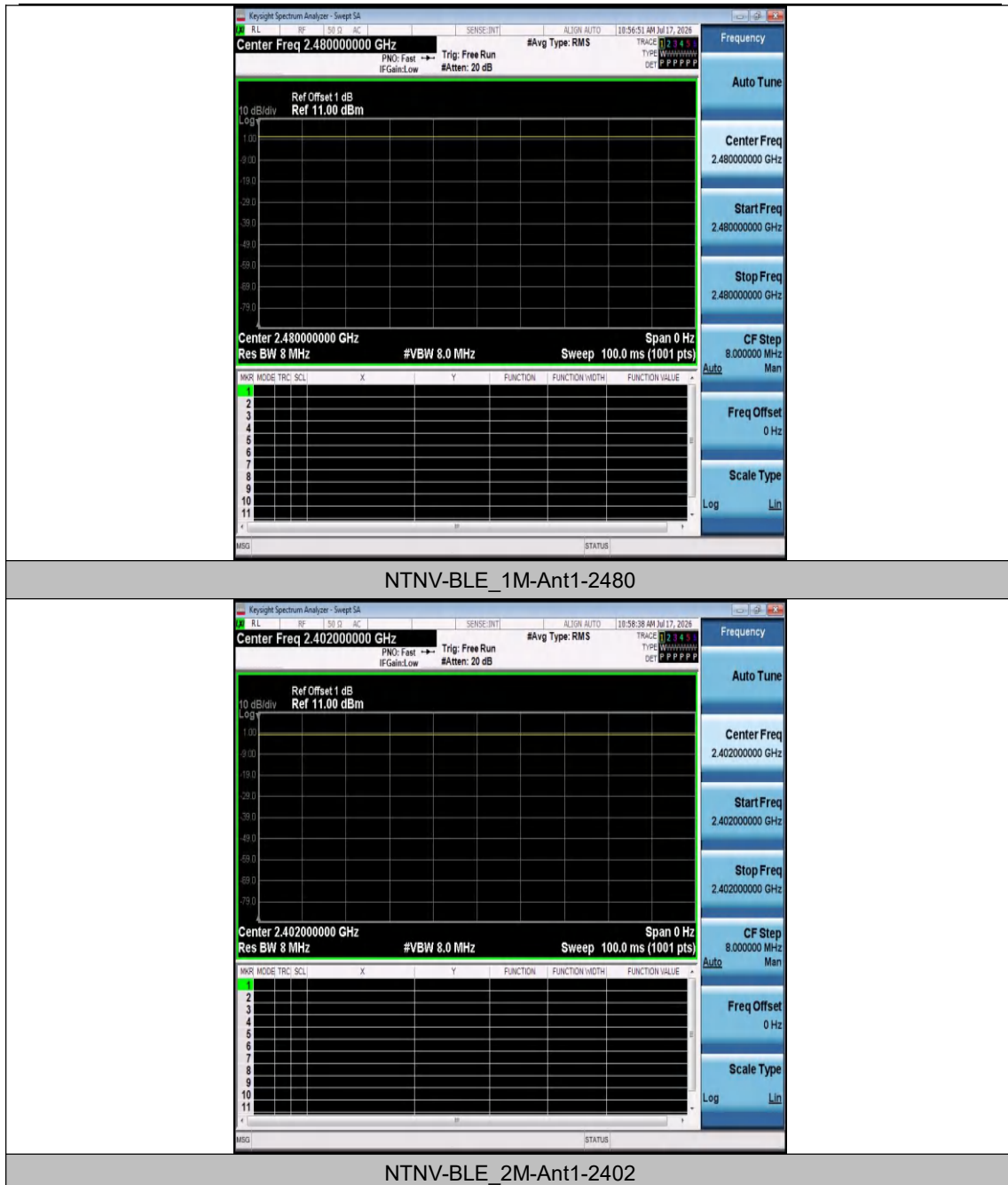
Test Graphs



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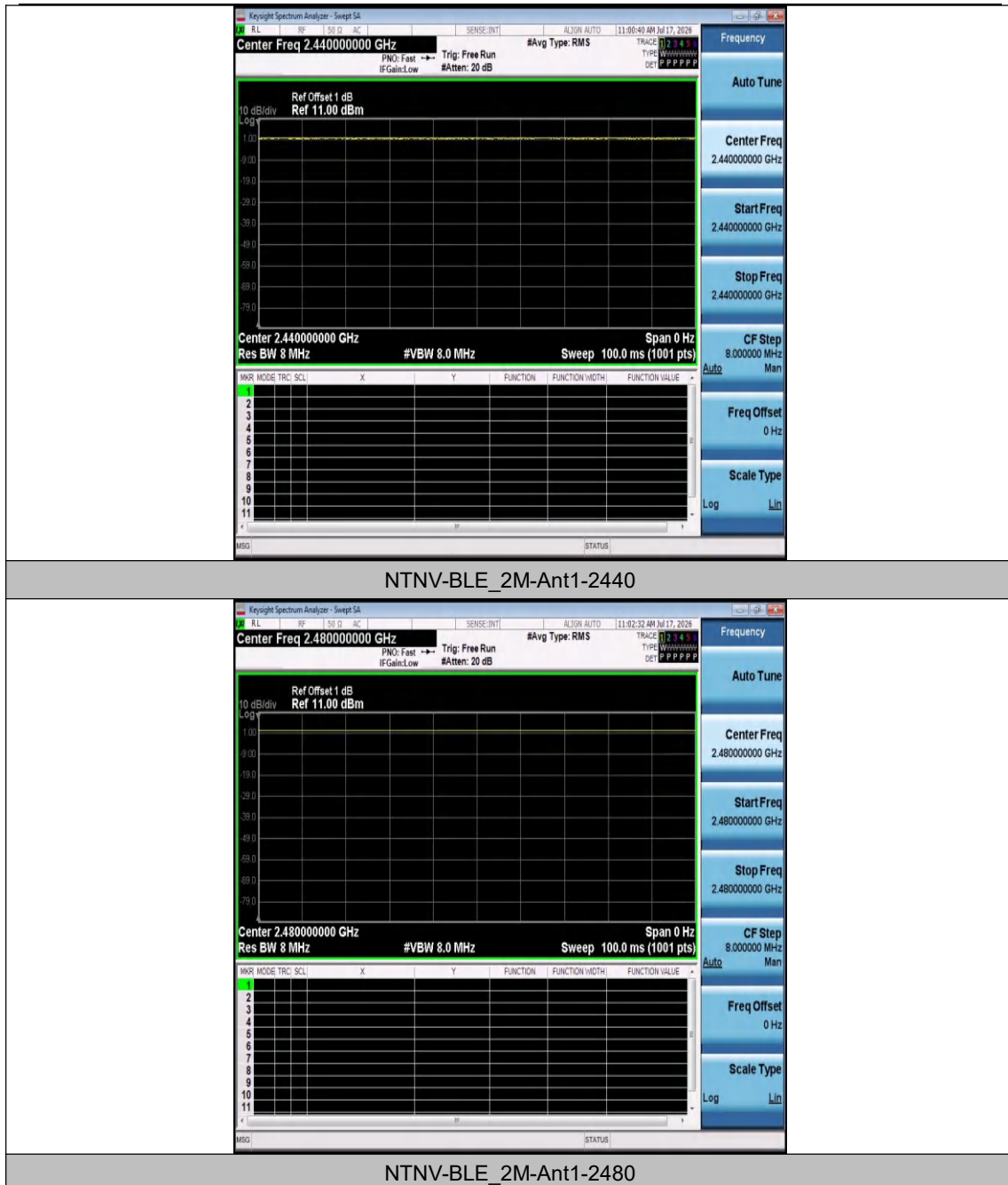
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