

Appendix Test Data

Report No.:	1812C60286612501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-5-26	Finish Test Date:	2026-5-29
Test Engineer:	Huisen Guan	Auditor:	Justin Feng
Temperature:	20.6°C	Relative Humidity:	67%
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	0.660	2401.672	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.652	2439.676	2440.328	0.5	PASS
BLE_1M	Ant1	2480	0.624	2479.684	2480.308	0.5	PASS
BLE_2M	Ant1	2402	1.120	2401.456	2402.576	0.5	PASS
BLE_2M	Ant1	2440	1.228	2439.364	2440.592	0.5	PASS
BLE_2M	Ant1	2480	1.136	2479.428	2480.564	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	1.0218	2401.4868	2402.5086	---	---
BLE_1M	Ant1	2440	1.0186	2439.4905	2440.5091	---	---
BLE_1M	Ant1	2480	1.0269	2479.4856	2480.5125	---	---
BLE_2M	Ant1	2402	2.0378	2400.9897	2403.0275	---	---
BLE_2M	Ant1	2440	2.0352	2438.9944	2441.0296	---	---
BLE_2M	Ant1	2480	2.0488	2478.9920	2481.0408	---	---

Test Graphs



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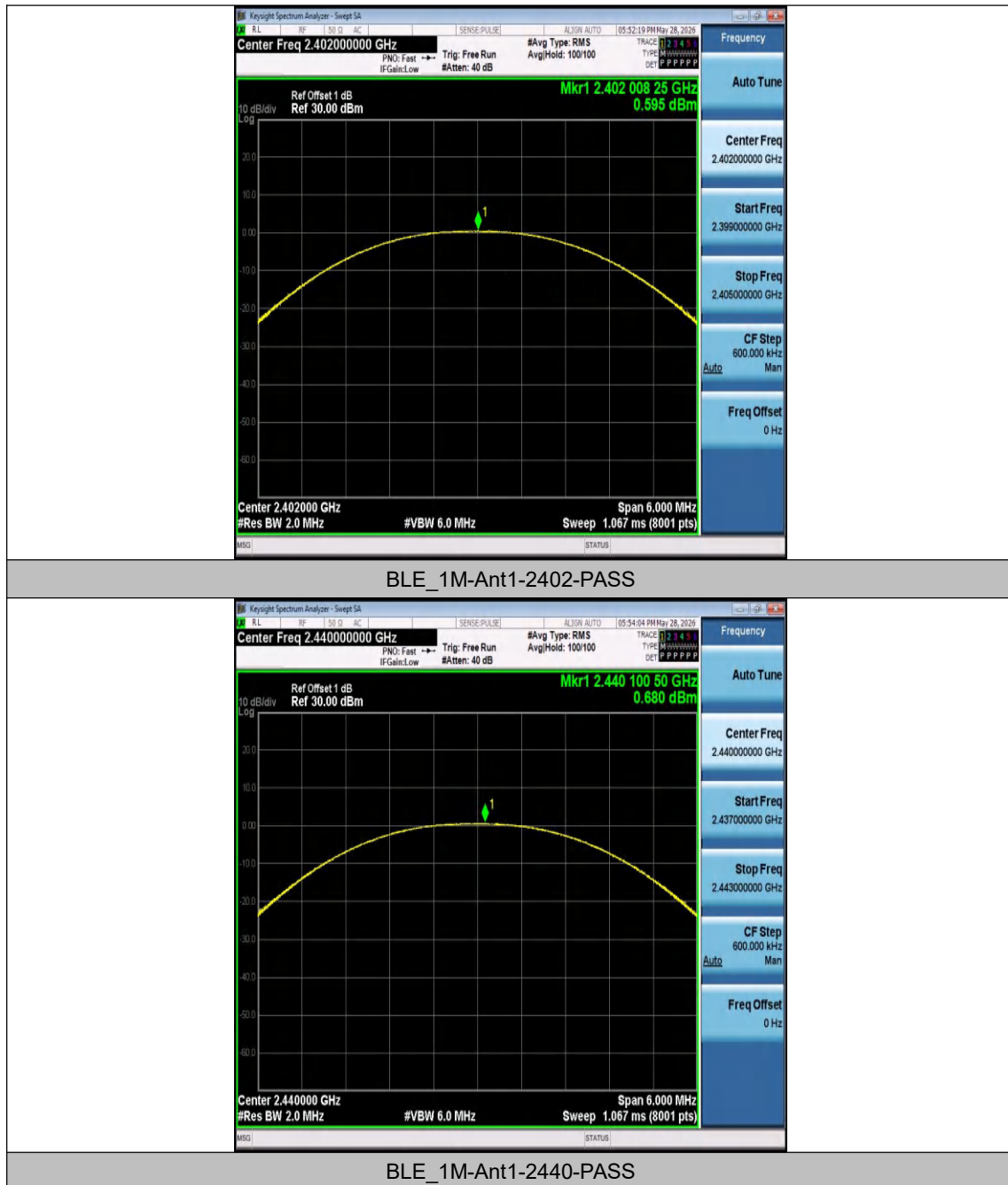
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.60	≤30	PASS
BLE_1M	Ant1	2440	0.68	≤30	PASS
BLE_1M	Ant1	2480	0.93	≤30	PASS
BLE_2M	Ant1	2402	0.35	≤30	PASS
BLE_2M	Ant1	2440	0.62	≤30	PASS
BLE_2M	Ant1	2480	0.84	≤30	PASS

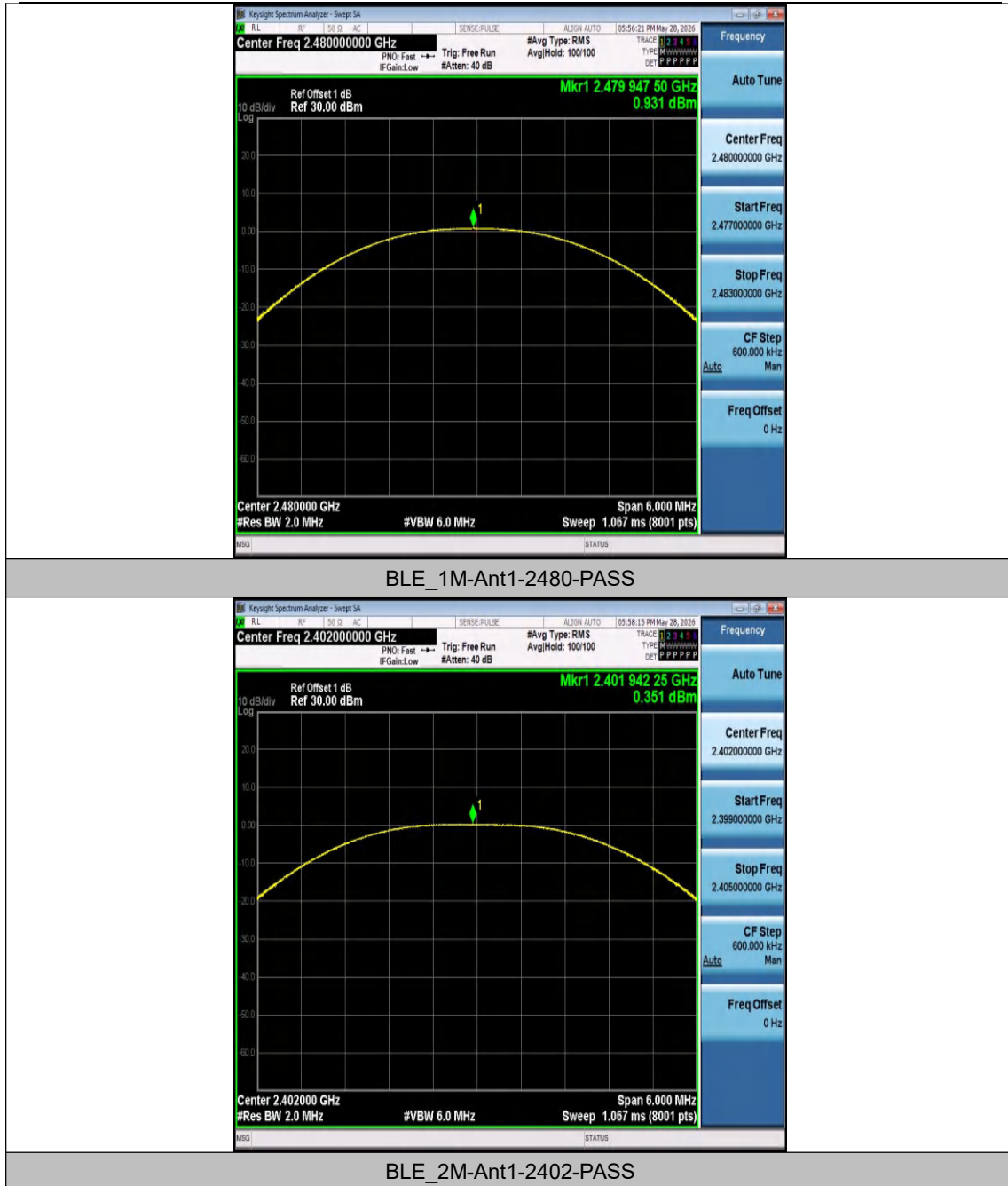
Test Graphs Peak



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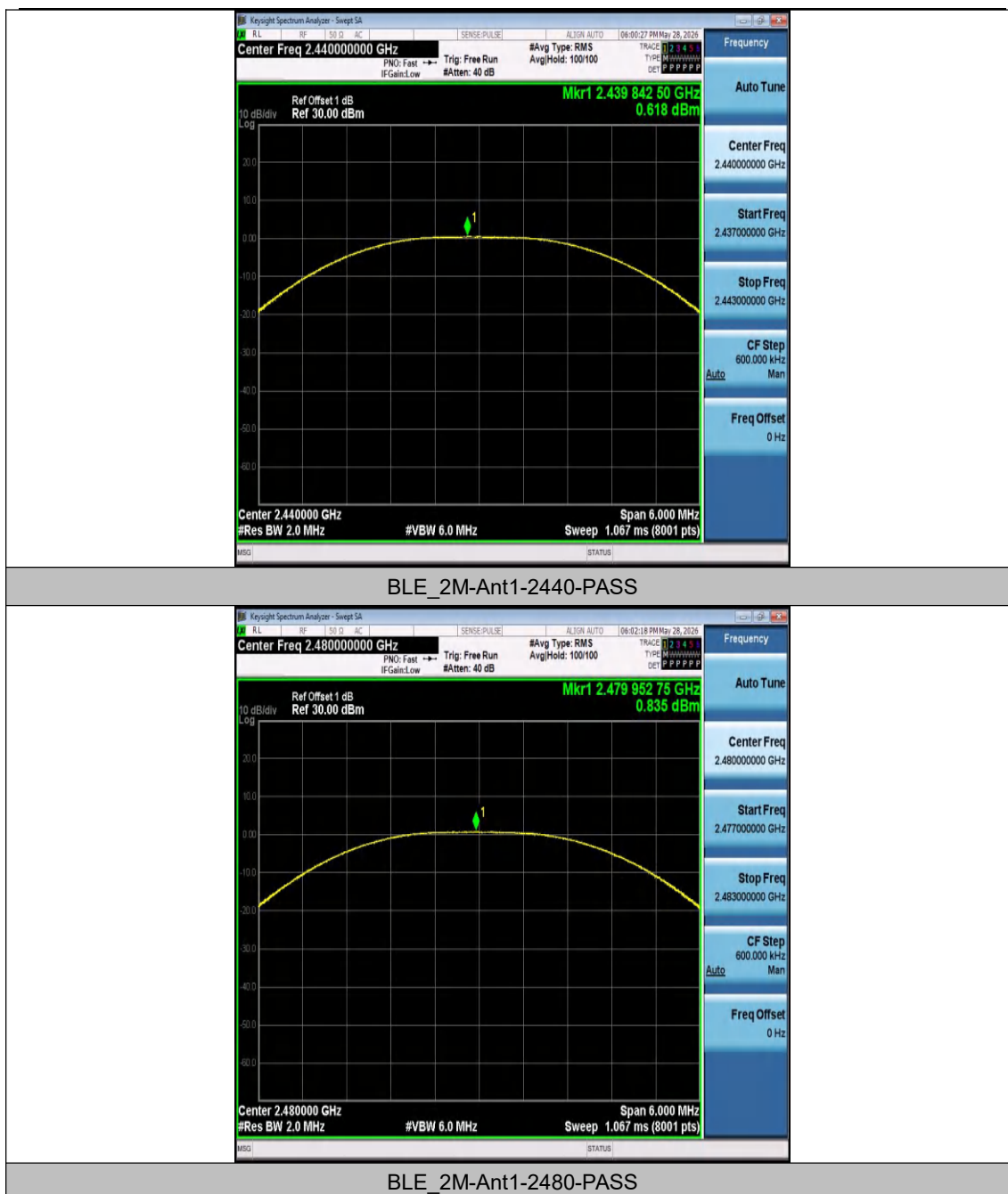
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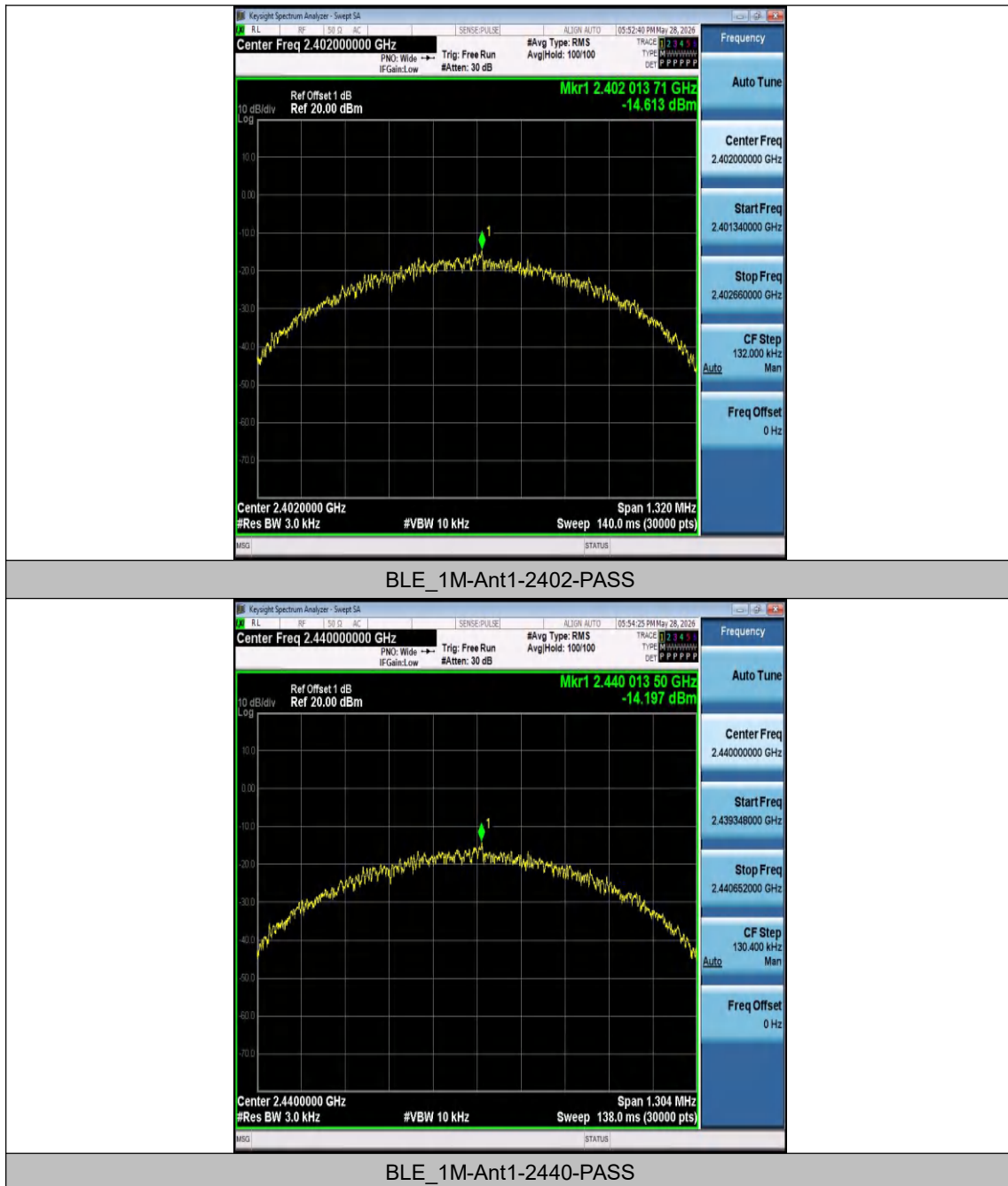
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.61	≤8.00	PASS
BLE_1M	Ant1	2440	-14.20	≤8.00	PASS
BLE_1M	Ant1	2480	-14.23	≤8.00	PASS
BLE_2M	Ant1	2402	-16.66	≤8.00	PASS
BLE_2M	Ant1	2440	-16.69	≤8.00	PASS
BLE_2M	Ant1	2480	-16.26	≤8.00	PASS

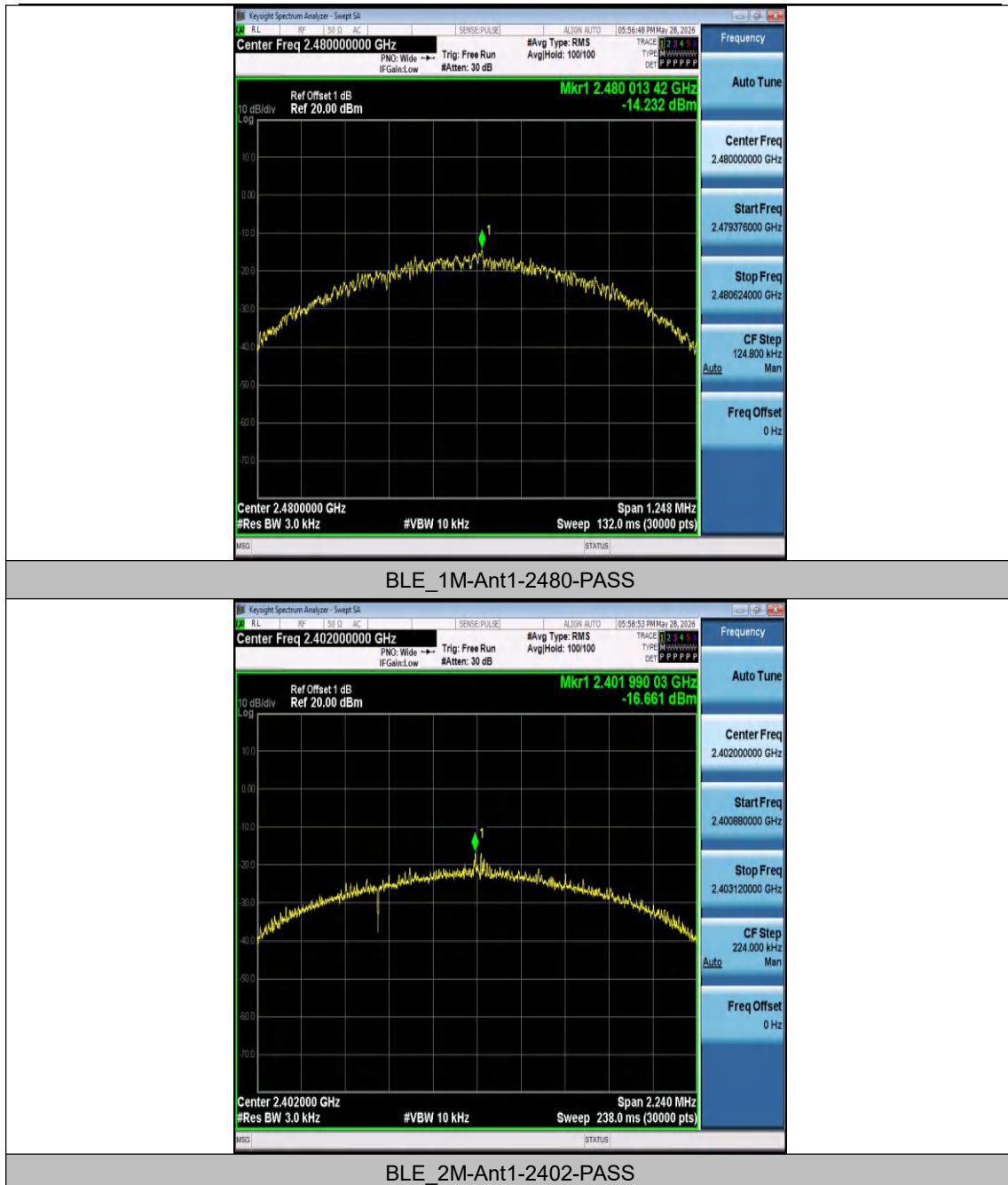
Test Graphs



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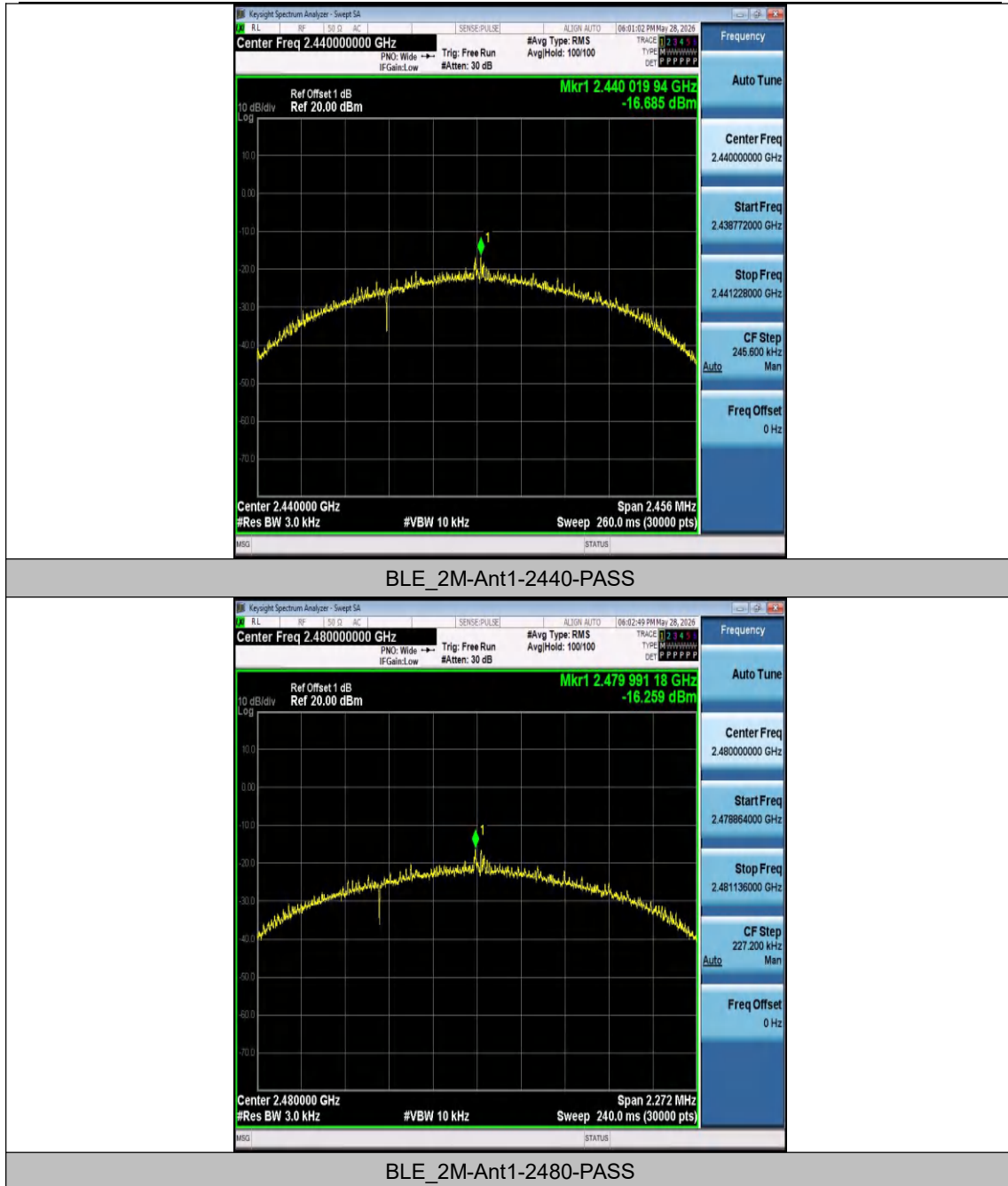
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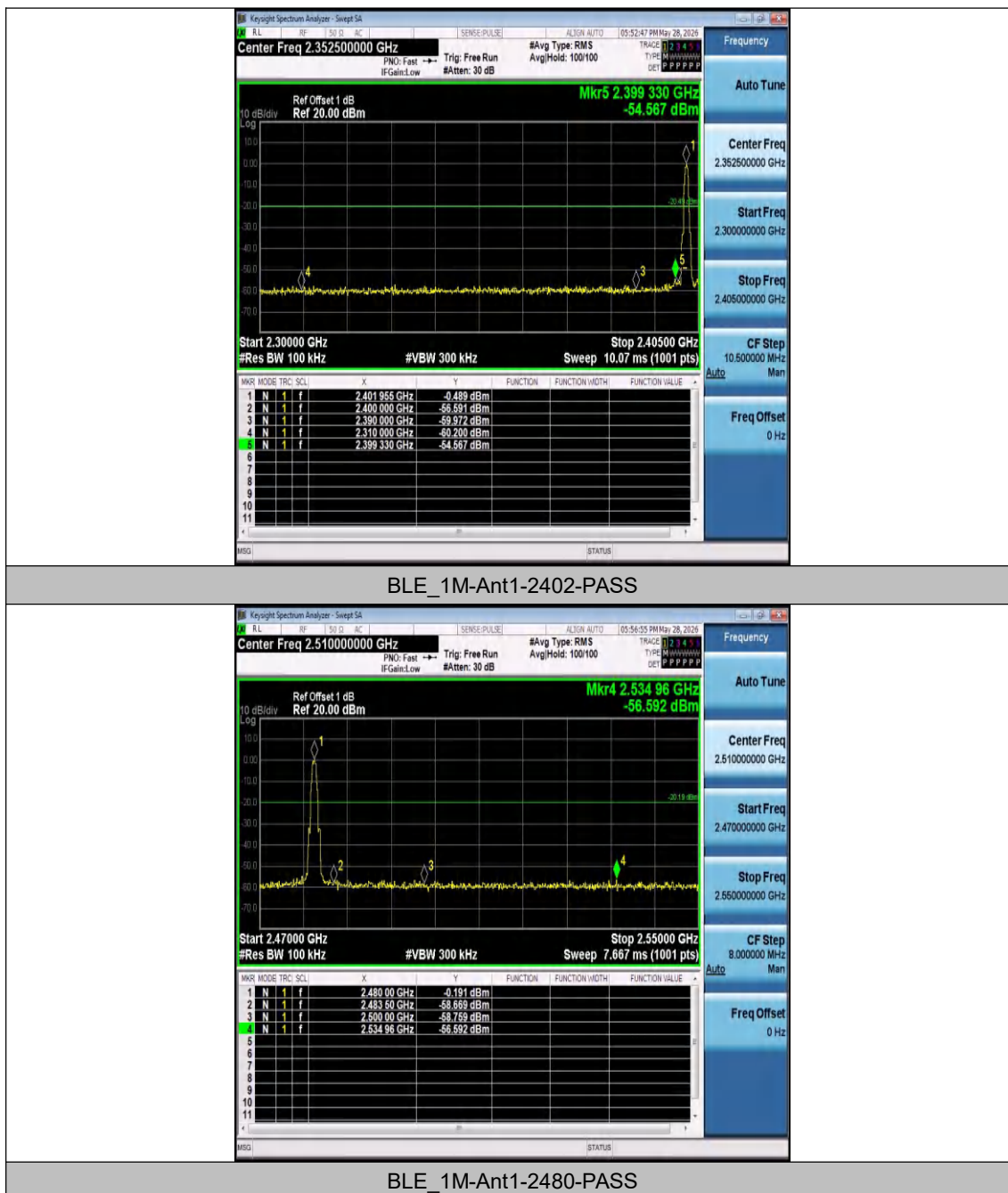
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.49	-54.57	≤-20.49	PASS
BLE_1M	Ant1	High	2480	-0.19	-56.59	≤-20.19	PASS
BLE_2M	Ant1	Low	2402	-2.48	-50.48	≤-22.48	PASS
BLE_2M	Ant1	High	2480	-2.06	-56.25	≤-22.06	PASS

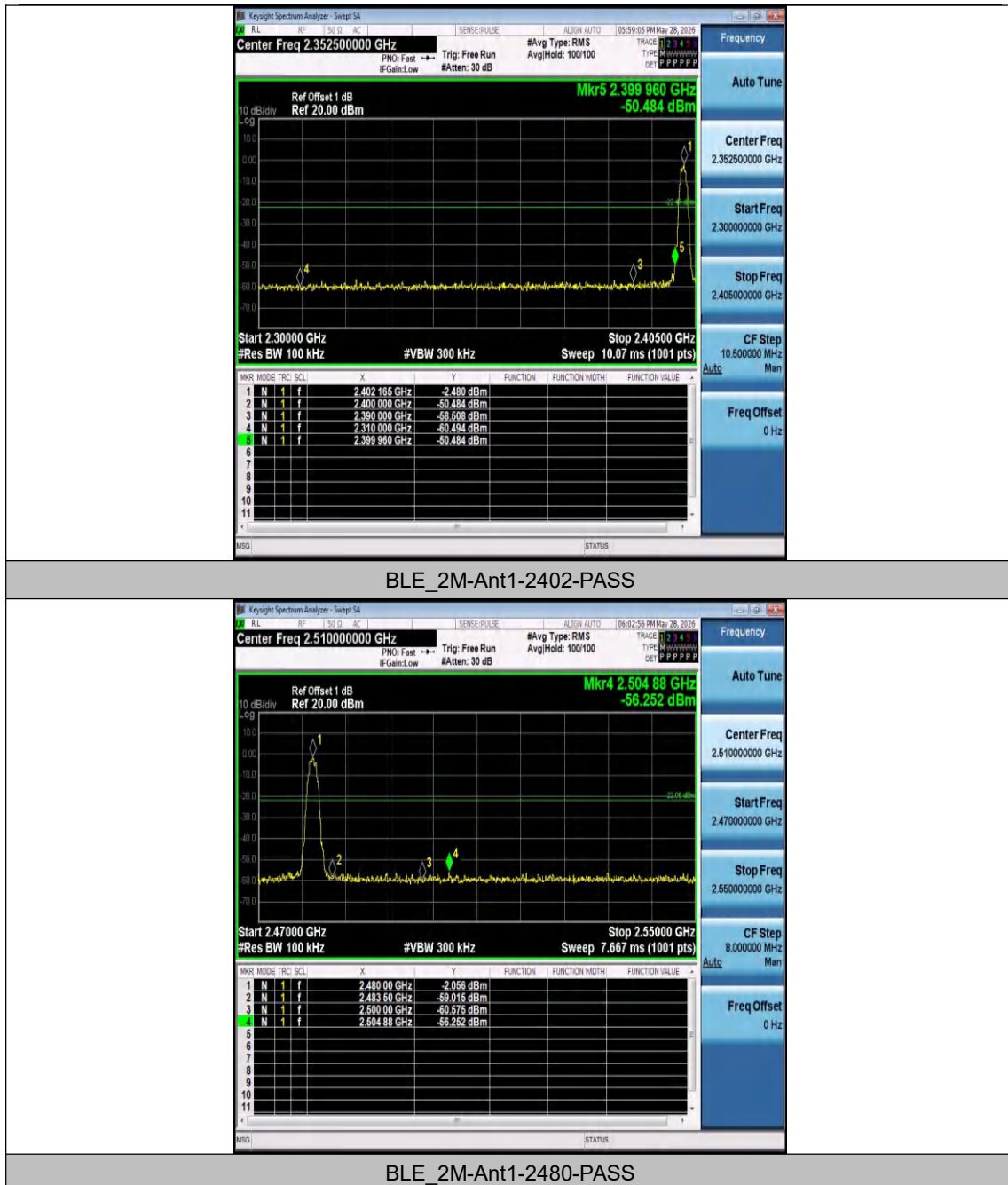
Test Graphs



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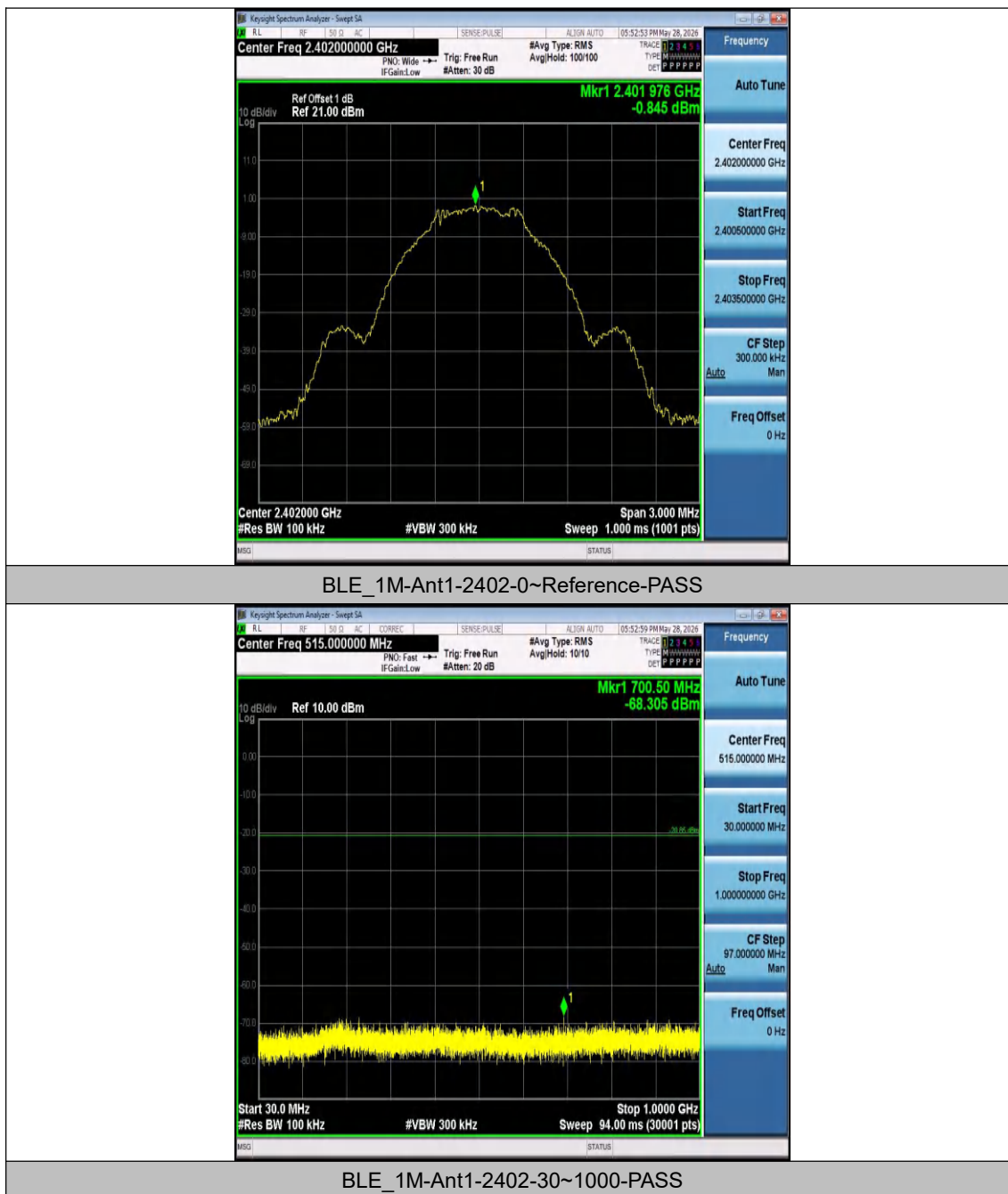
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.85	-0.85	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.85	-68.31	≤-20.85	PASS
BLE_1M	Ant1	2402	1000~26500	-0.85	-35.61	≤-20.85	PASS
BLE_1M	Ant1	2440	0~Reference	0.51	0.51	---	PASS
BLE_1M	Ant1	2440	30~1000	0.51	-67.82	≤-19.49	PASS
BLE_1M	Ant1	2440	1000~26500	0.51	-35.87	≤-19.49	PASS
BLE_1M	Ant1	2480	0~Reference	-0.13	-0.13	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.13	-68.4	≤-20.13	PASS
BLE_1M	Ant1	2480	1000~26500	-0.13	-35.93	≤-20.13	PASS
BLE_2M	Ant1	2402	0~Reference	0.21	0.21	---	PASS
BLE_2M	Ant1	2402	30~1000	0.21	-68.14	≤-19.79	PASS
BLE_2M	Ant1	2402	1000~26500	0.21	-35.79	≤-19.79	PASS
BLE_2M	Ant1	2440	0~Reference	-1.14	-1.14	---	PASS
BLE_2M	Ant1	2440	30~1000	-1.14	-68.22	≤-21.14	PASS
BLE_2M	Ant1	2440	1000~26500	-1.14	-35.79	≤-21.14	PASS
BLE_2M	Ant1	2480	0~Reference	-0.49	-0.49	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.49	-67.57	≤-20.49	PASS
BLE_2M	Ant1	2480	1000~26500	-0.49	-35.71	≤-20.49	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.

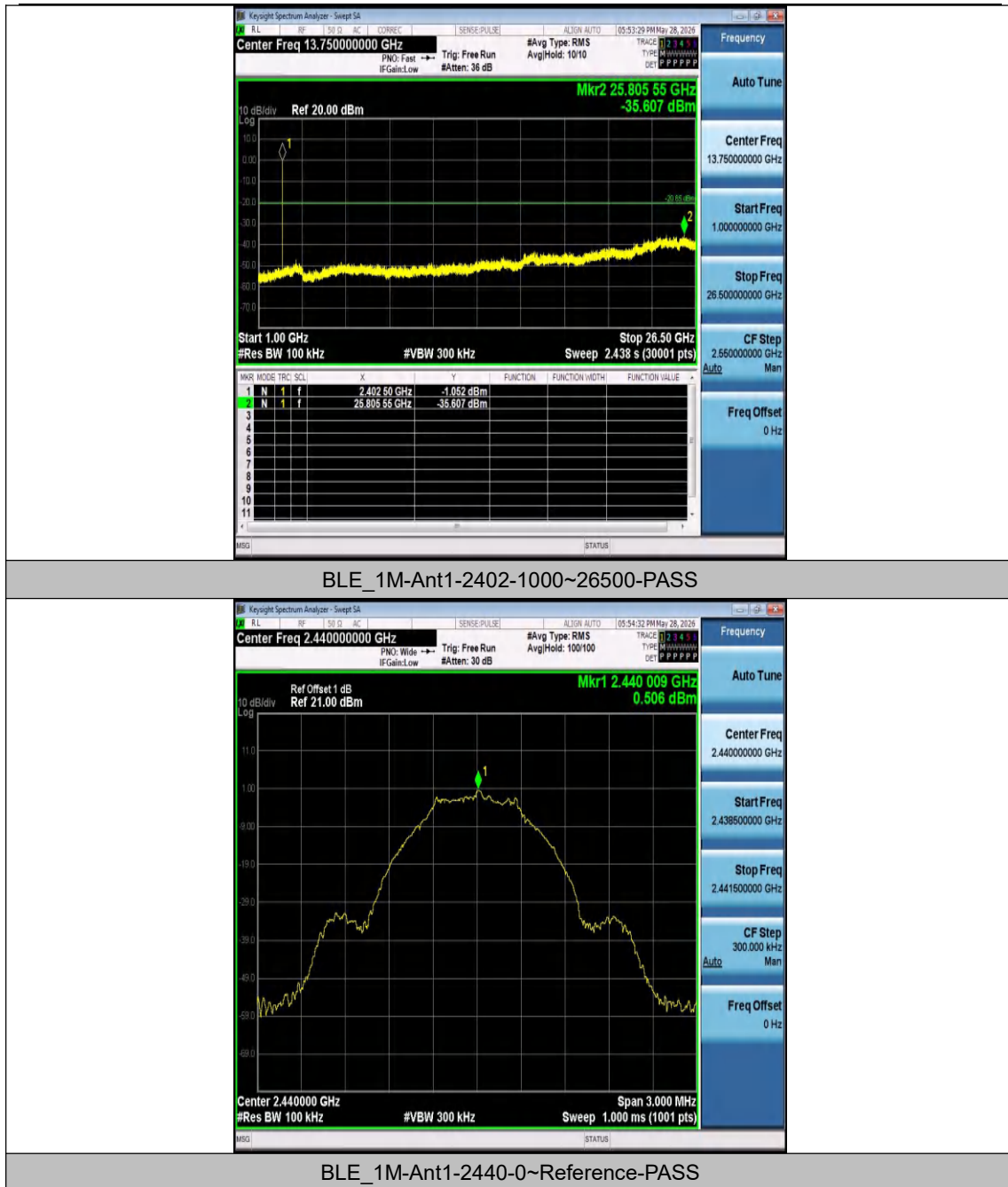
Test Graphs



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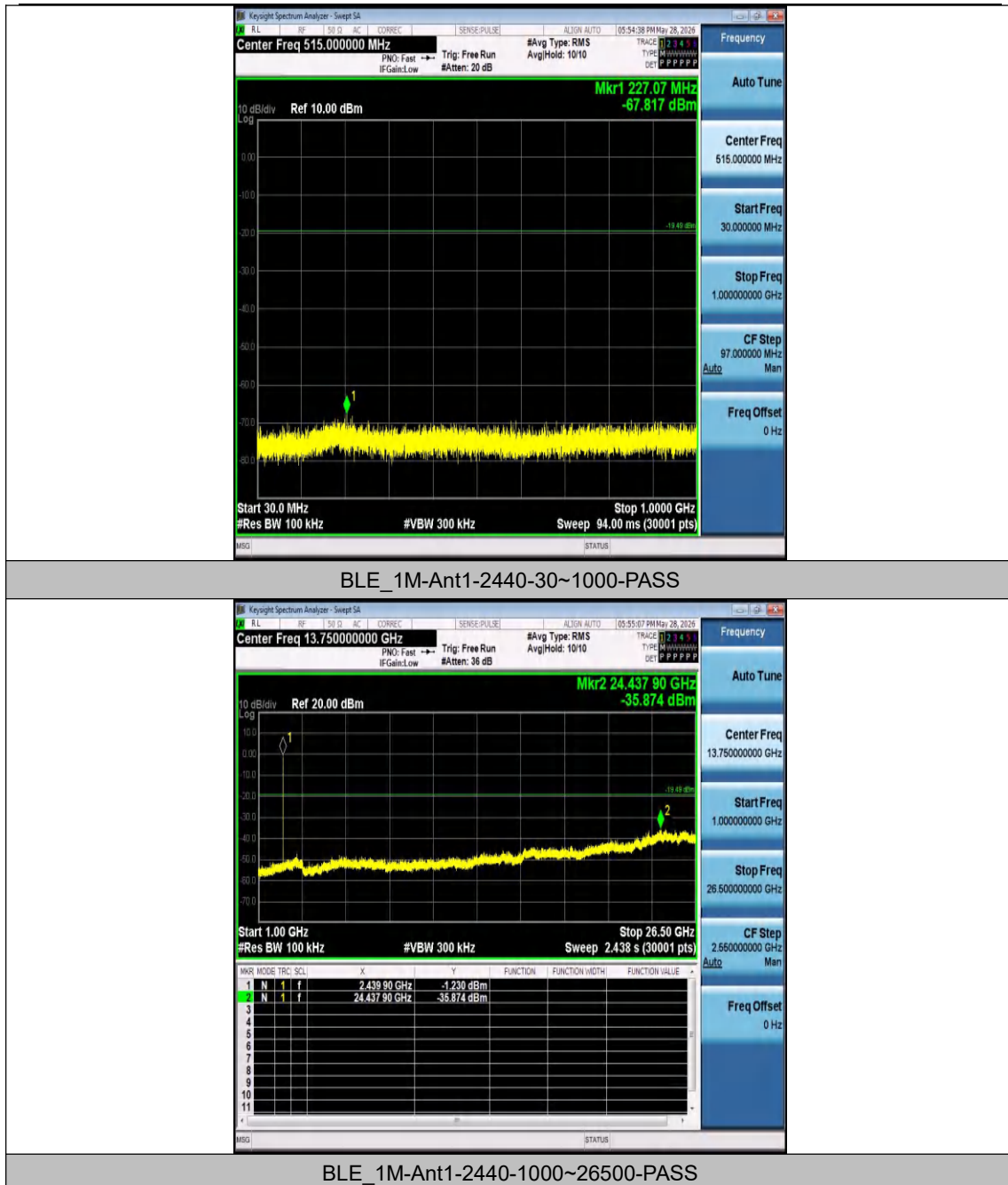
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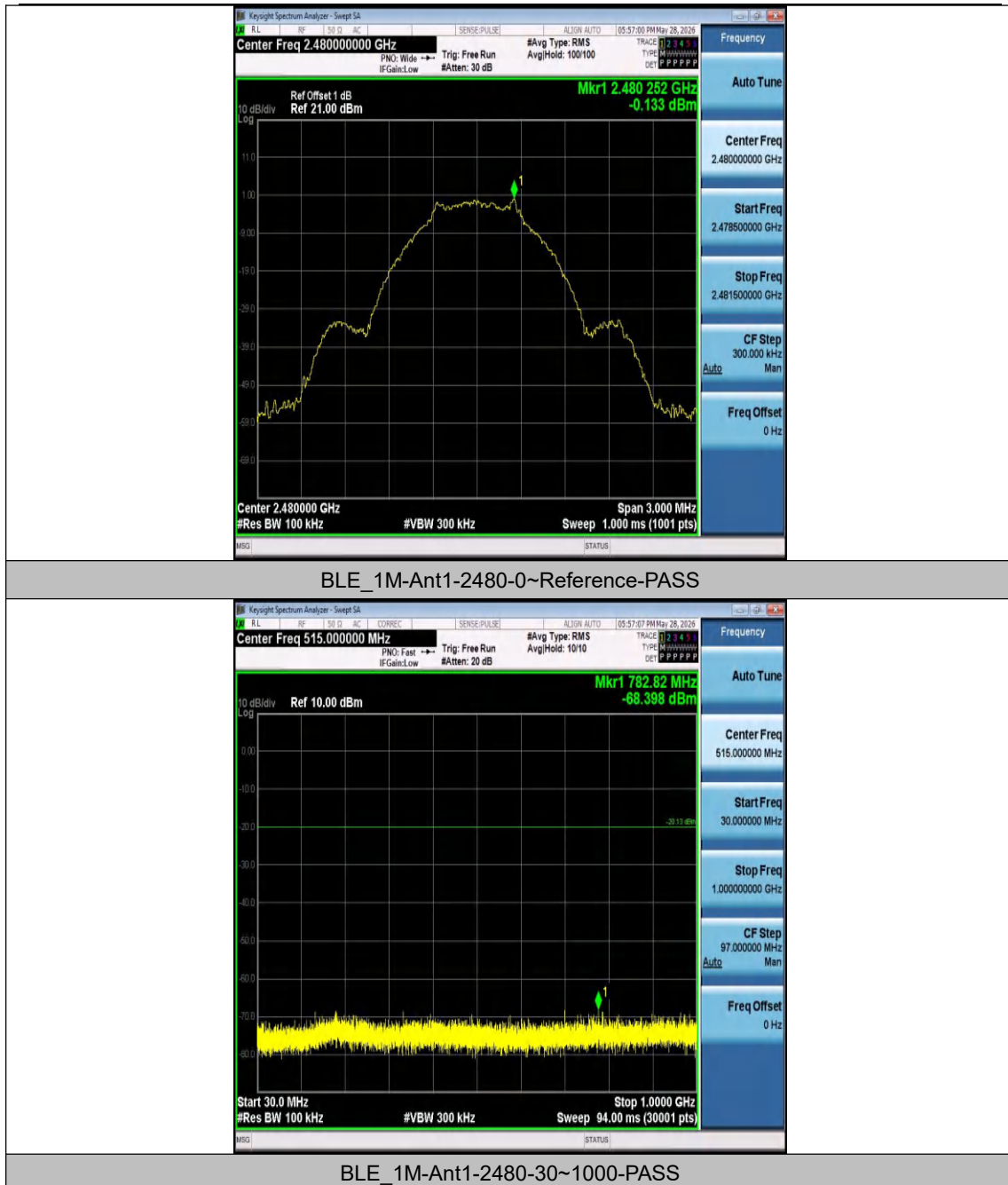


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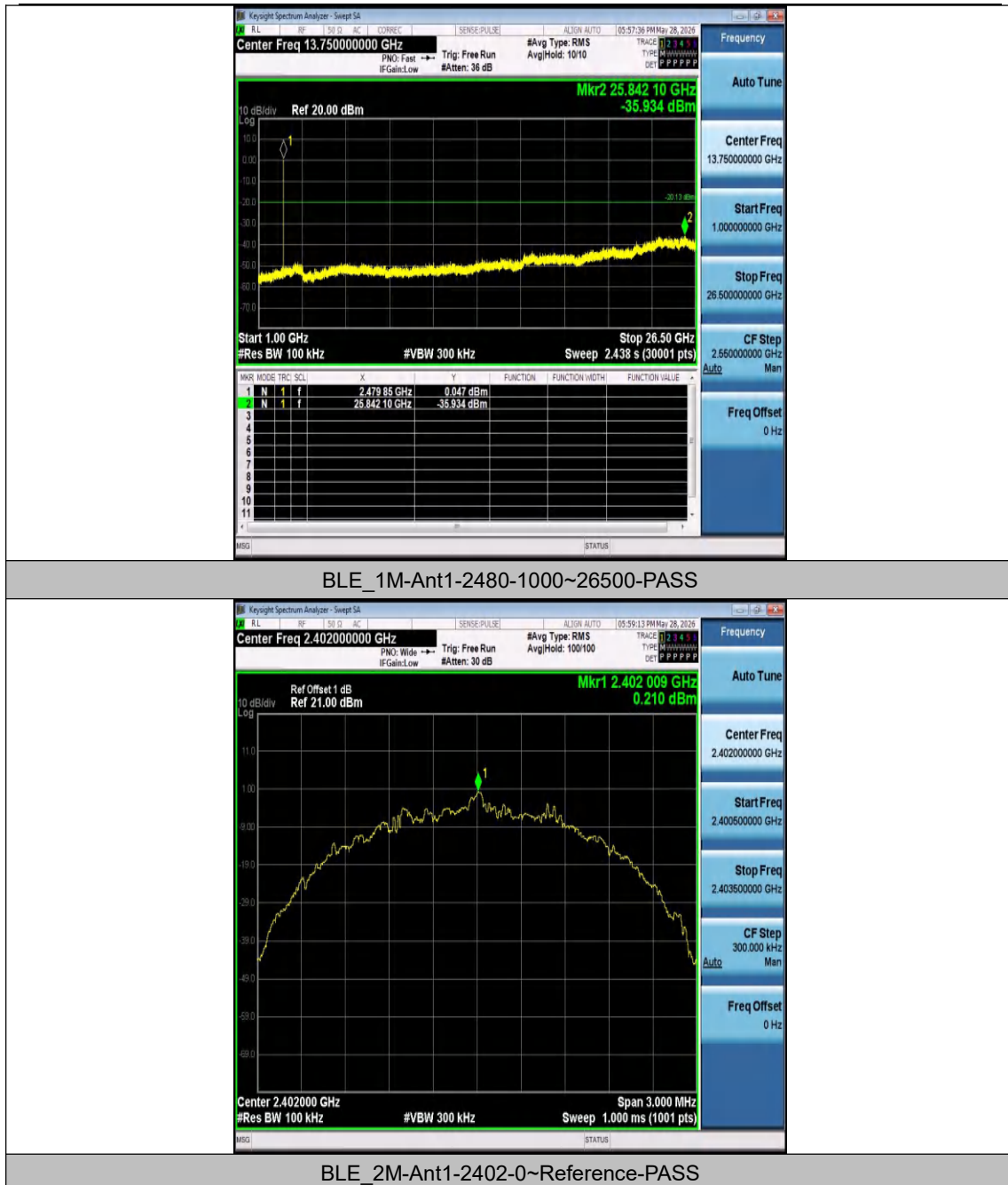




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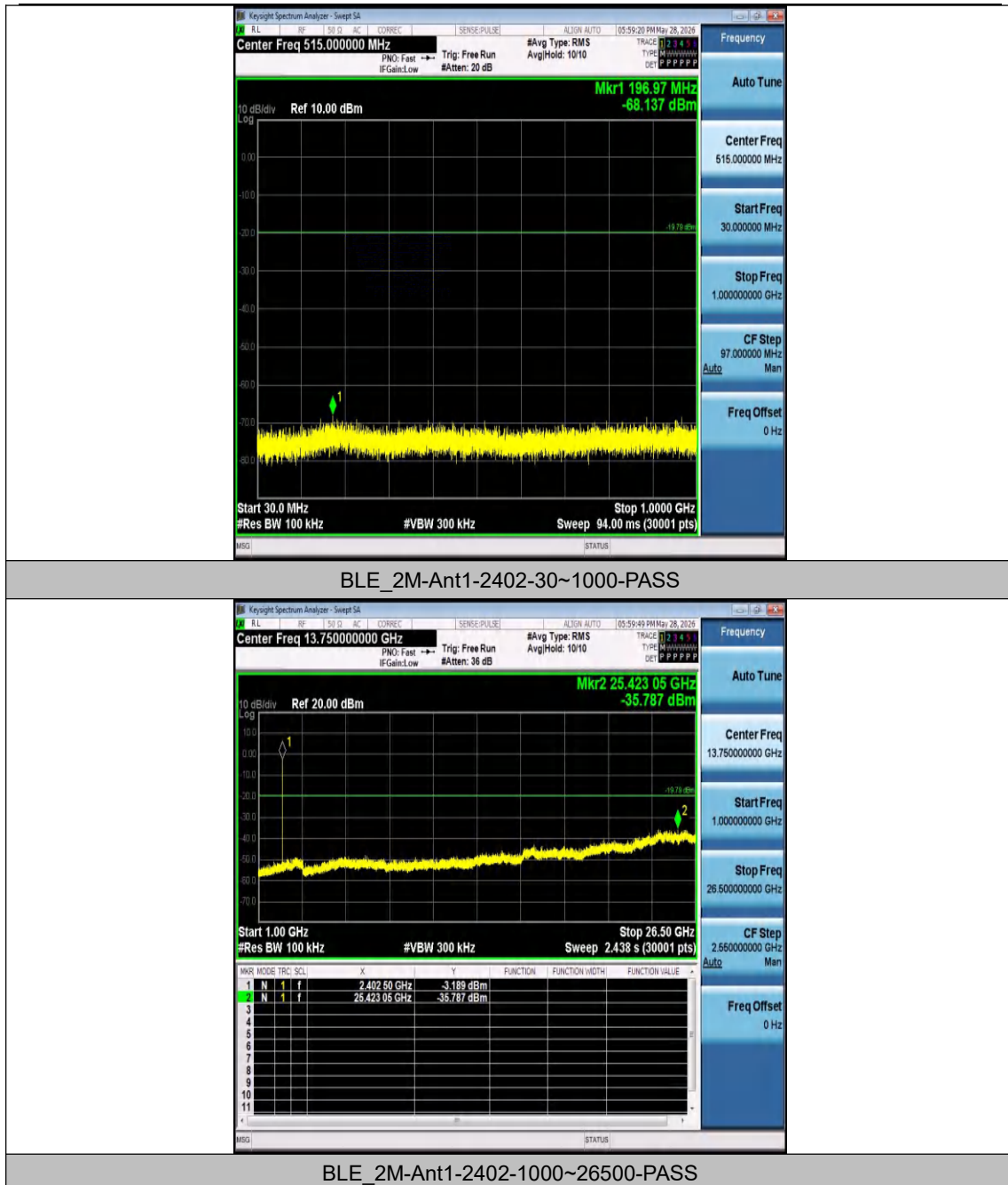
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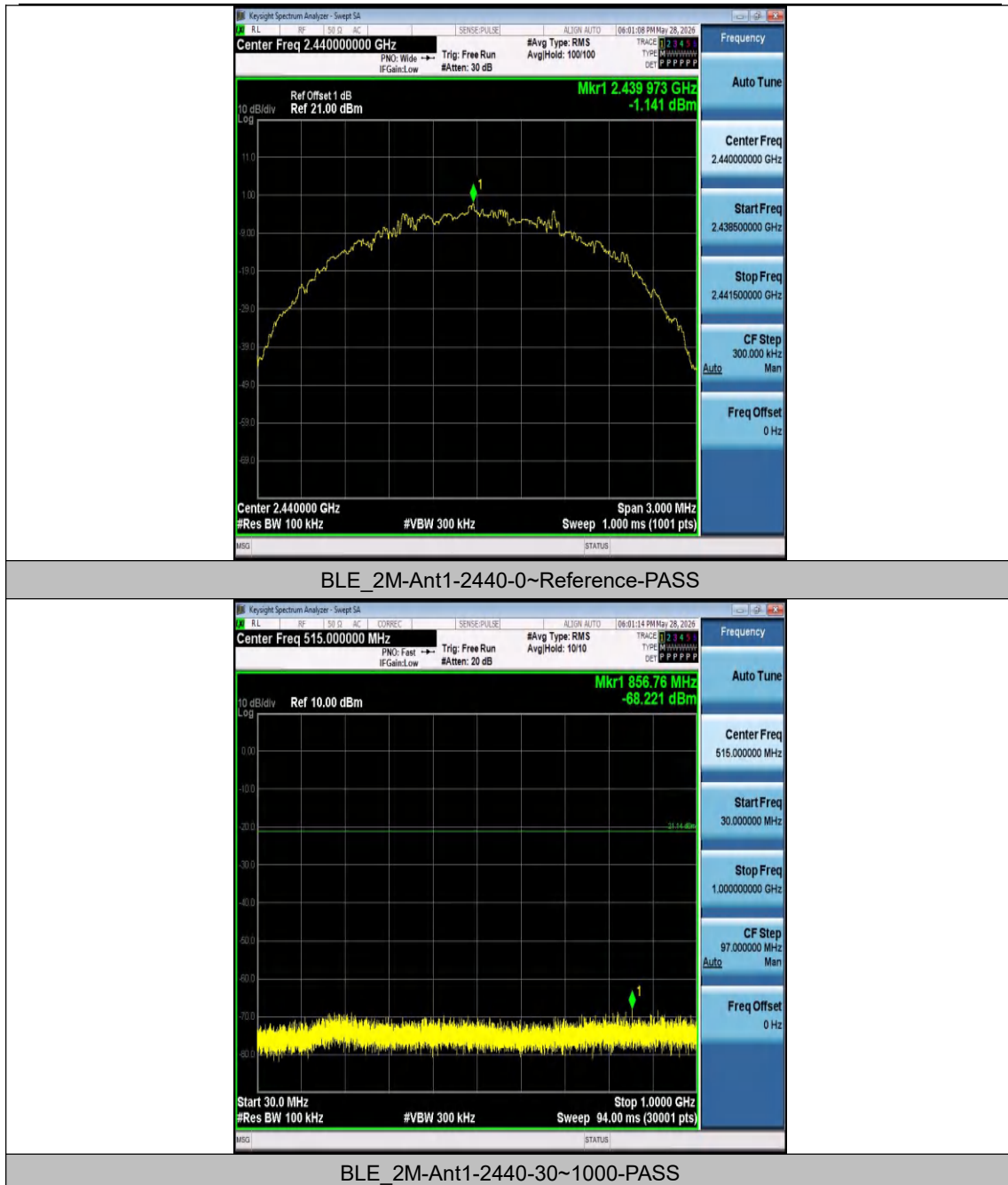


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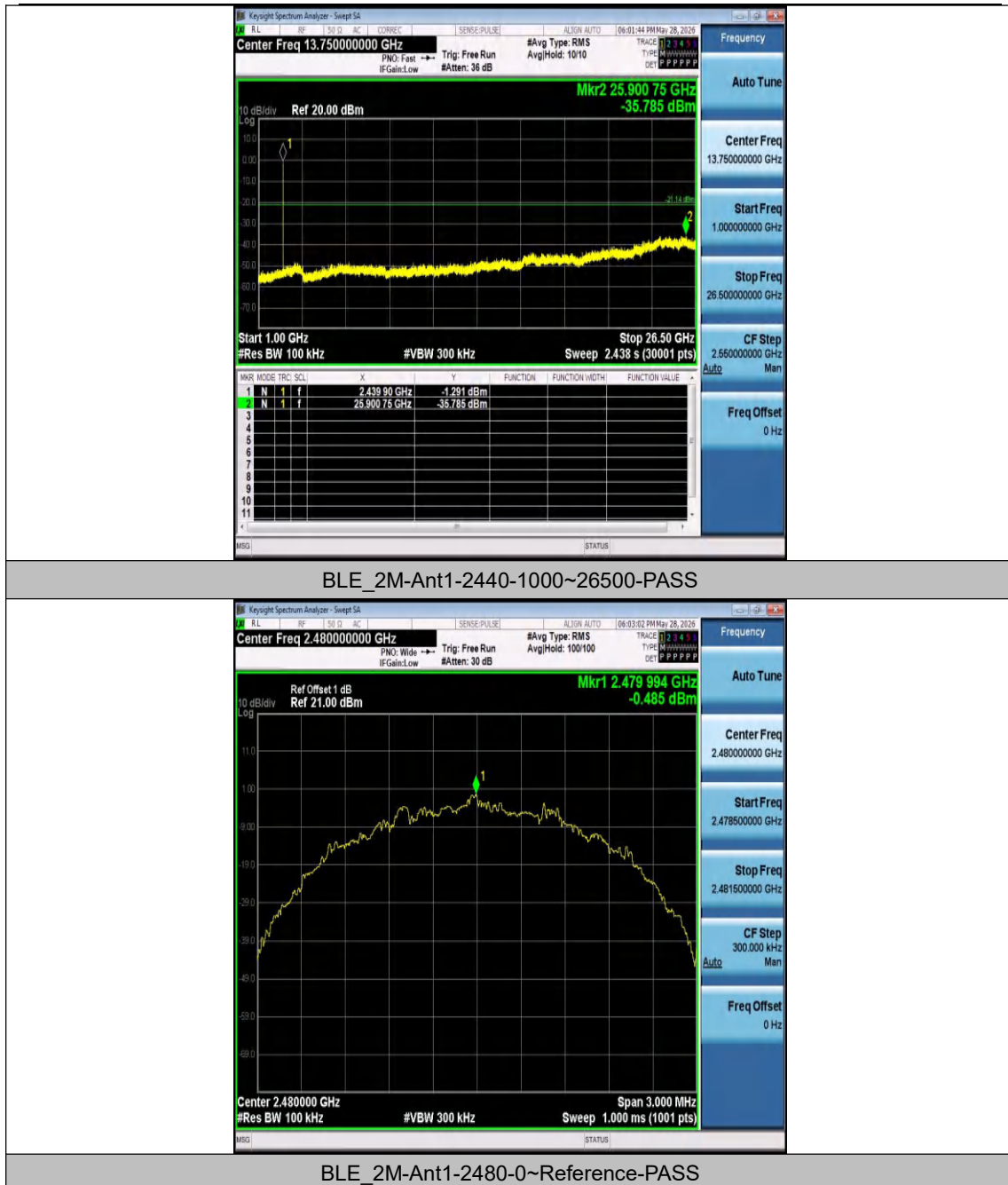




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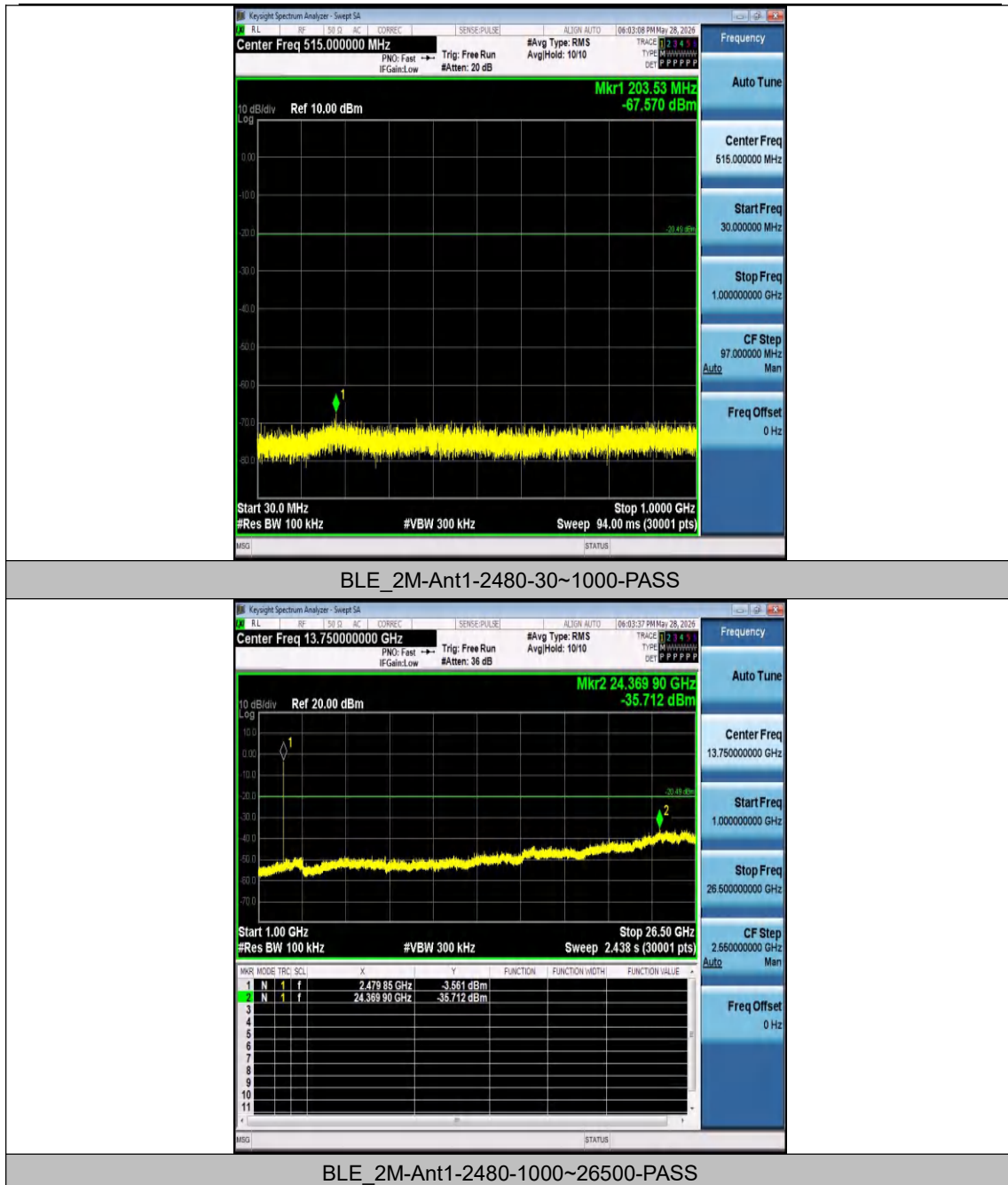
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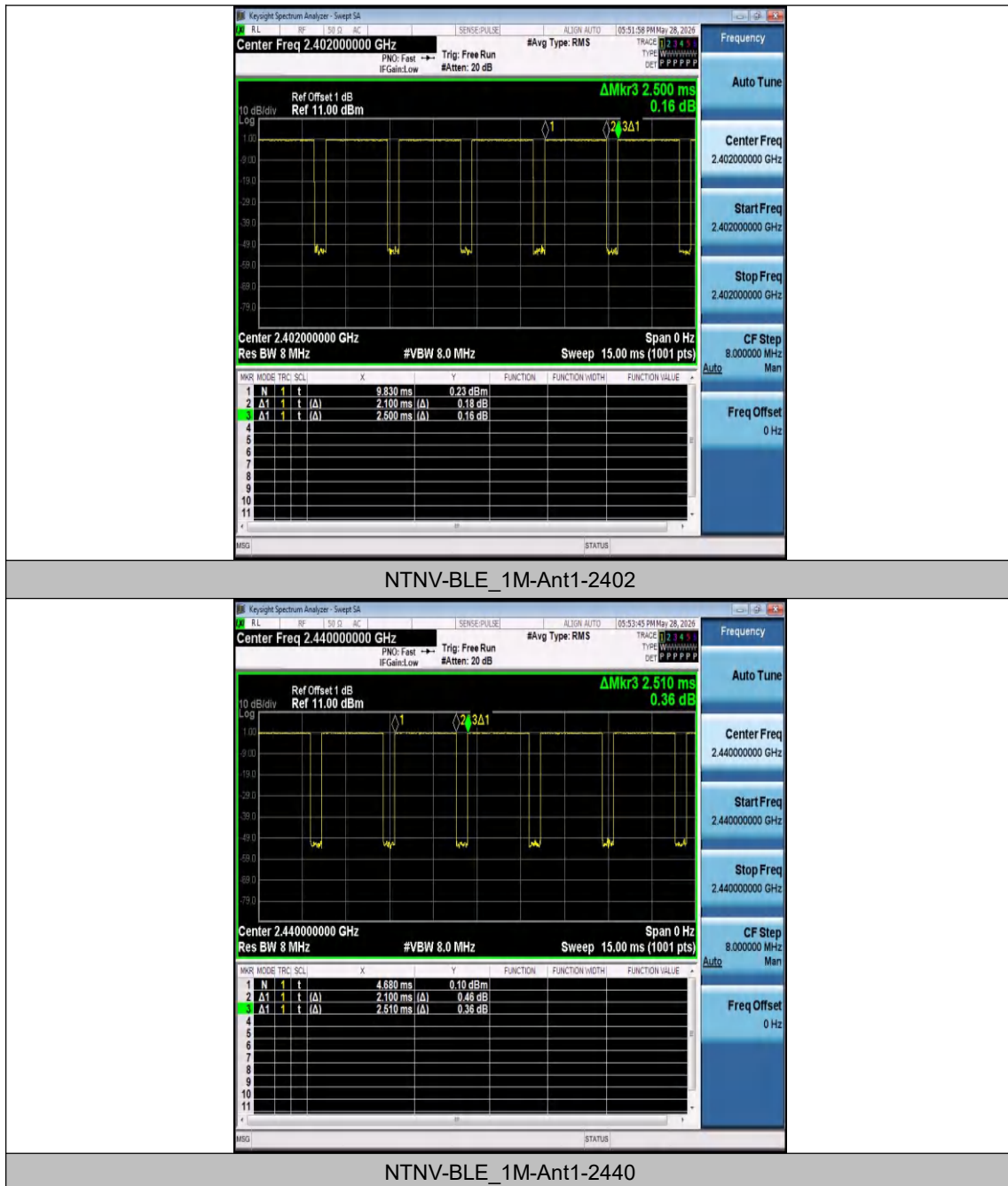
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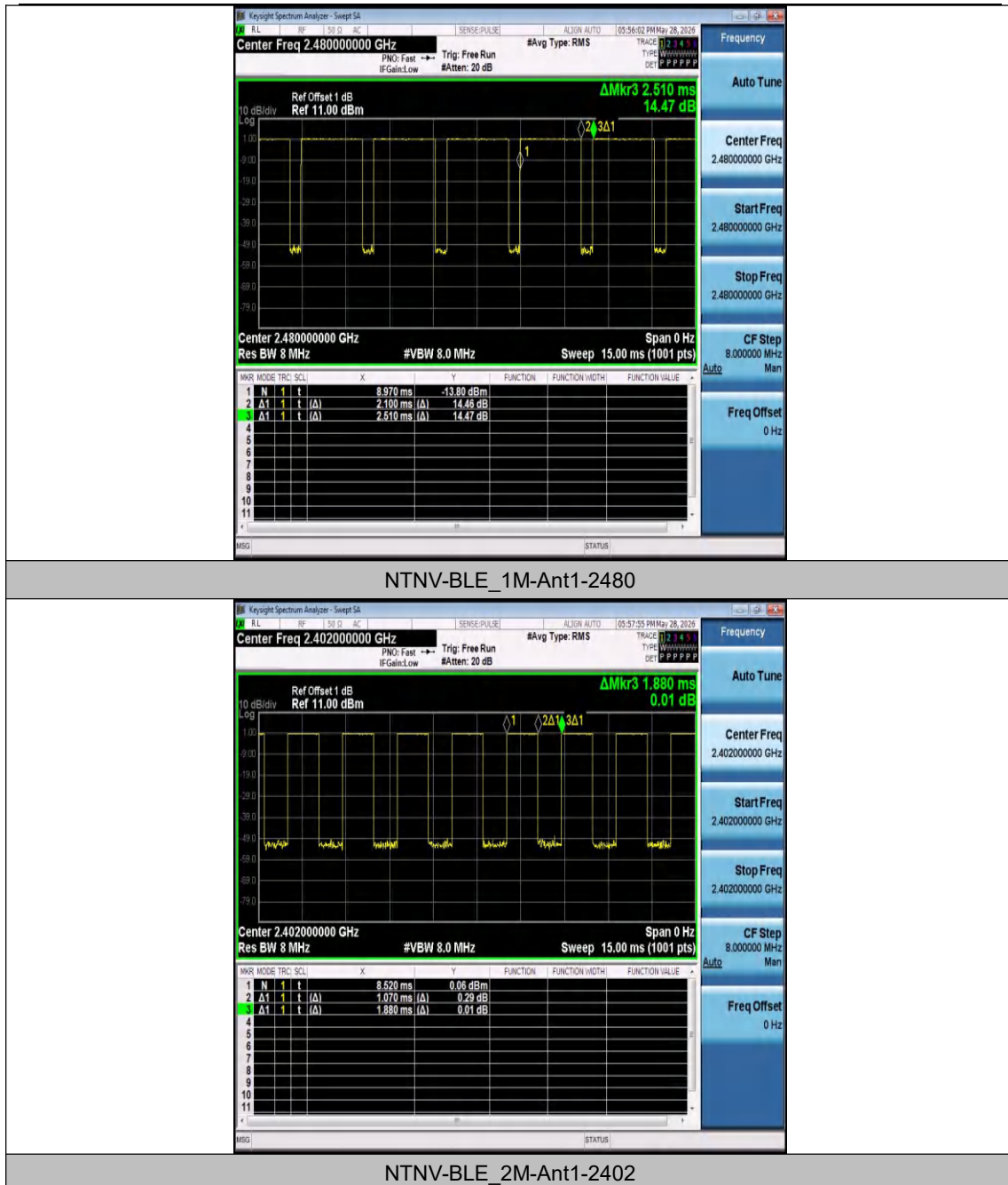
Appendix G: Duty Cycle

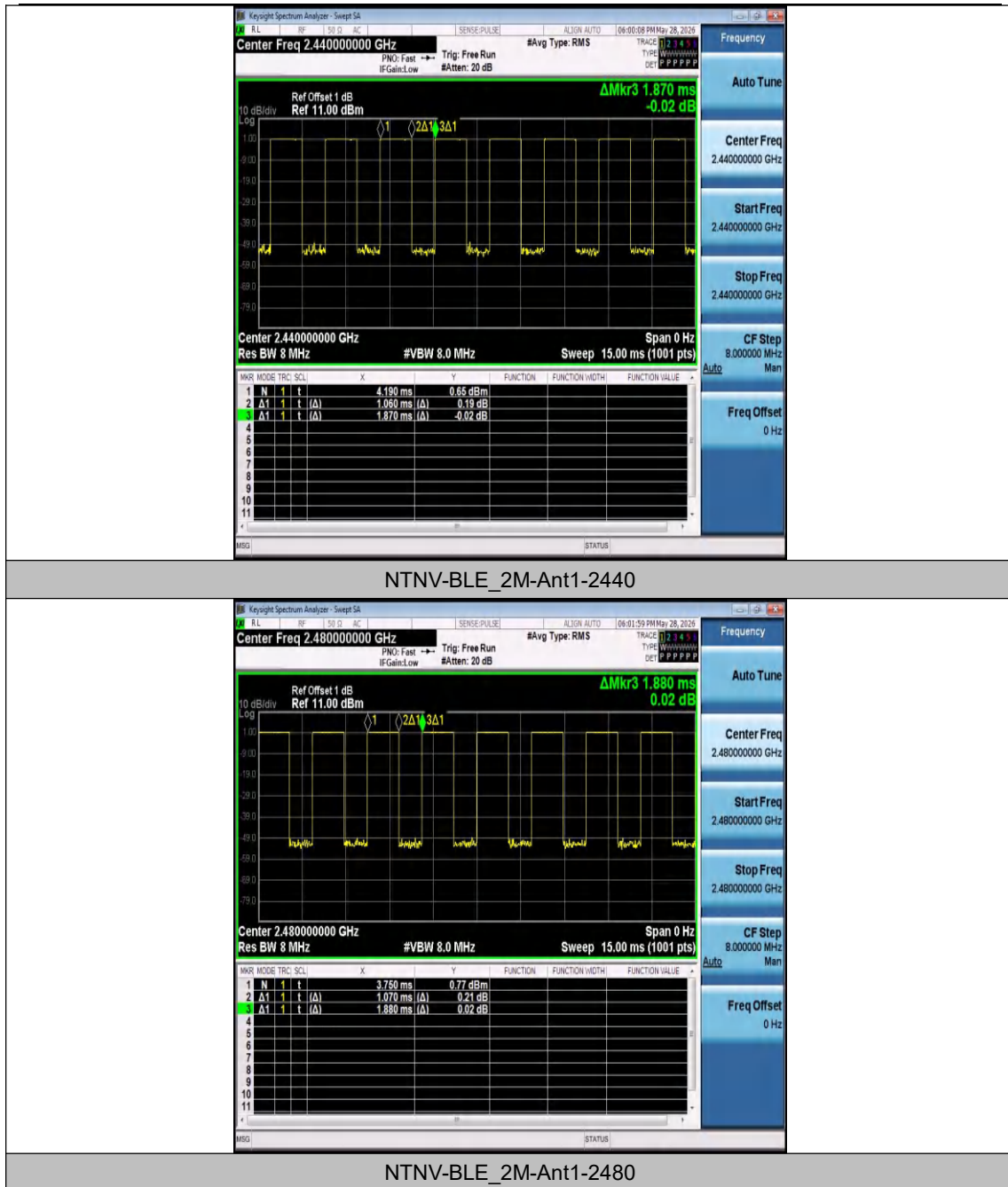
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2440	2.10	2.51	83.67	0.77
BLE_1M	Ant1	2480	2.10	2.51	83.67	0.77
BLE_2M	Ant1	2402	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2440	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2480	1.07	1.88	56.91	2.45

Test Graphs







---End---