

Appendix Test Data

Report No.:	1813C50548512501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-17	Finish Test Date:	2025-12-17
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.1°C	Relative Humidity:	41%
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	2401.672	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.652	2439.668	2440.320	0.5	PASS
BLE_1M	Ant1	2480	0.648	2479.668	2480.316	0.5	PASS
BLE_2M	Ant1	2402	1.084	2401.452	2402.536	0.5	PASS
BLE_2M	Ant1	2440	1.084	2439.452	2440.536	0.5	PASS
BLE_2M	Ant1	2480	1.144	2479.416	2480.560	0.5	PASS

Test Graphs





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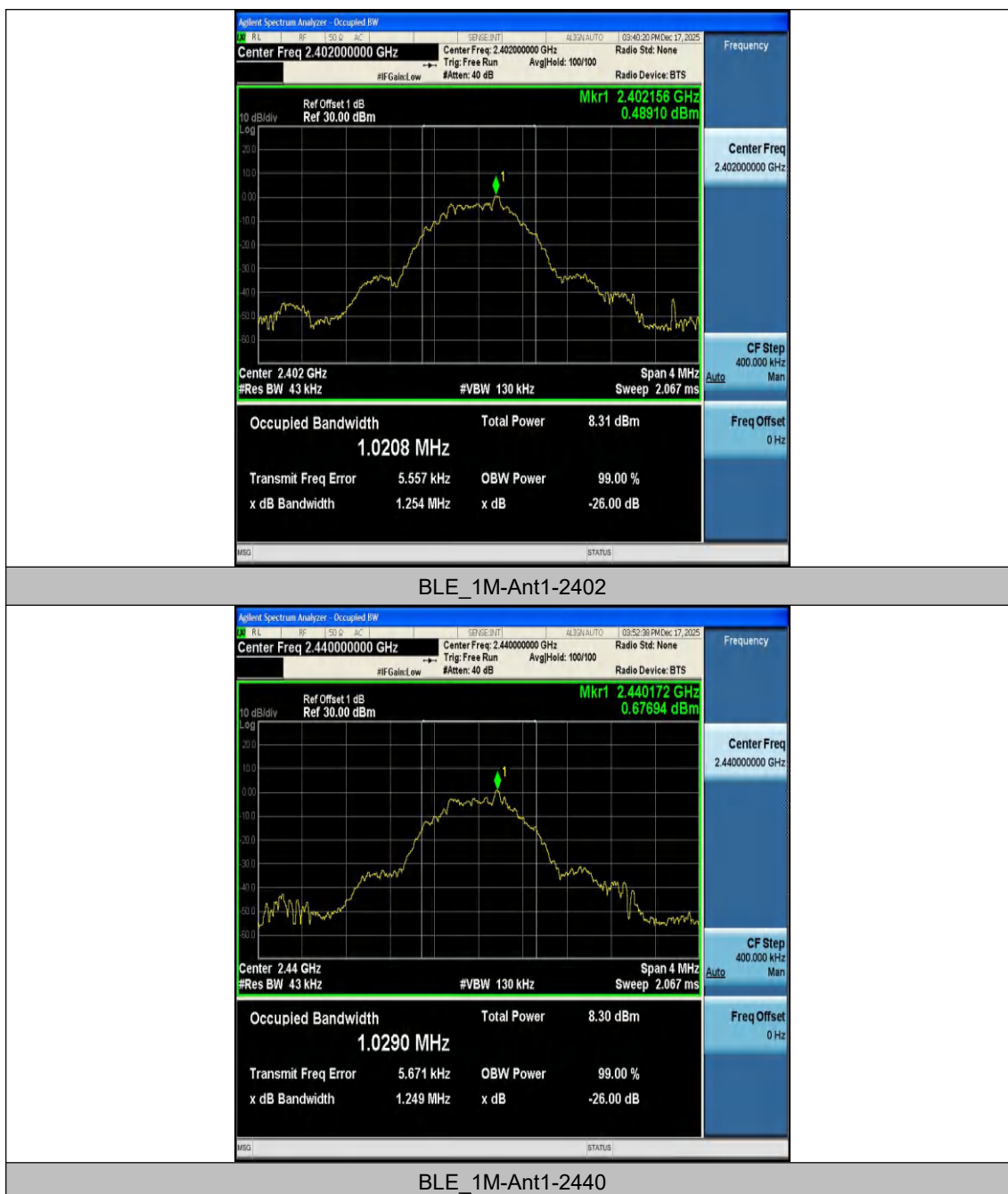


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0208	2401.4952	2402.5160	---	---
BLE_1M	Ant1	2440	1.0290	2439.4912	2440.5202	---	---
BLE_1M	Ant1	2480	1.0825	2479.4870	2480.5695	---	---
BLE_2M	Ant1	2402	2.0375	2400.9929	2403.0304	---	---
BLE_2M	Ant1	2440	2.0226	2439.0045	2441.0271	---	---
BLE_2M	Ant1	2480	2.0273	2479.0018	2481.0291	---	---

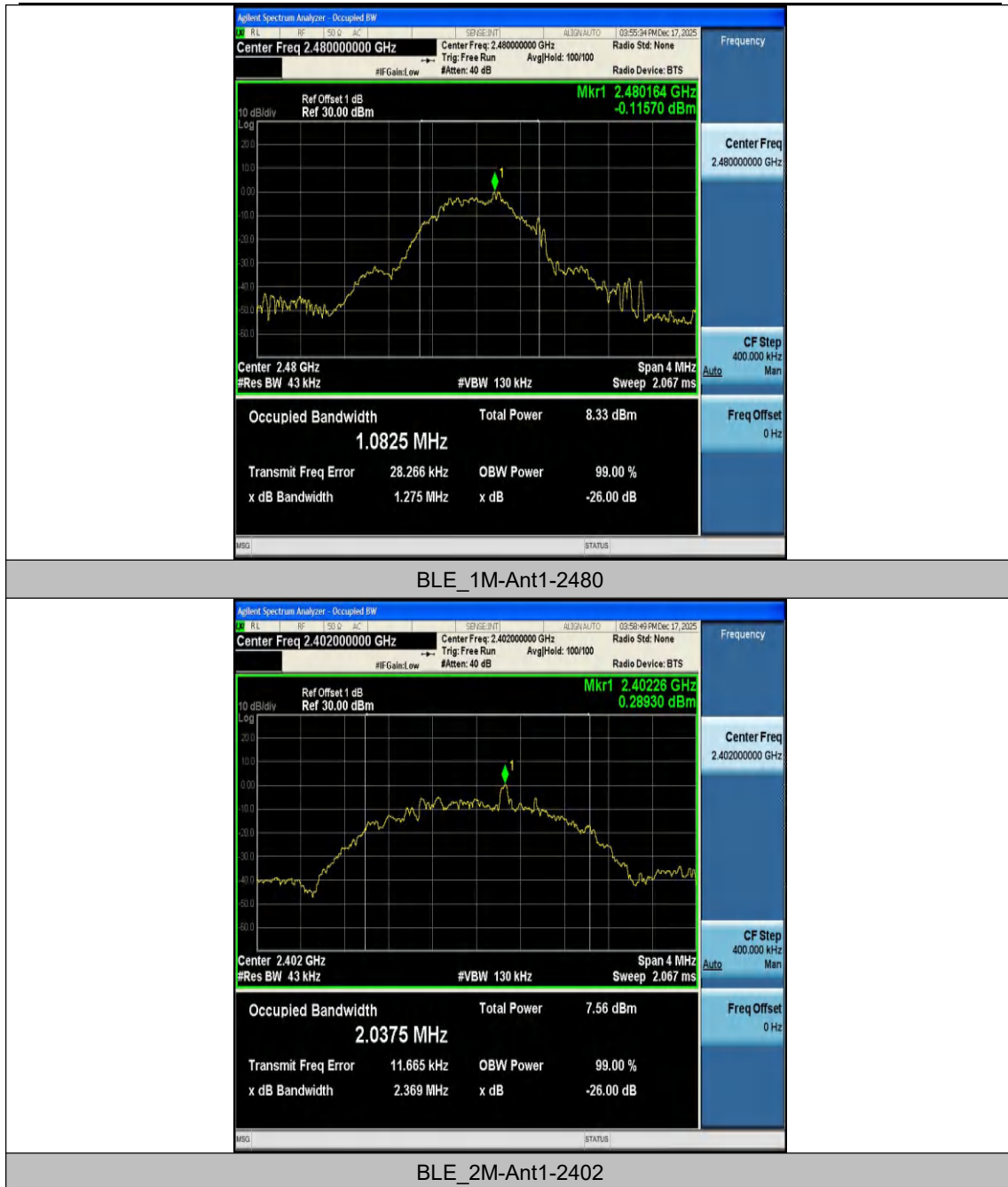
Test Graphs



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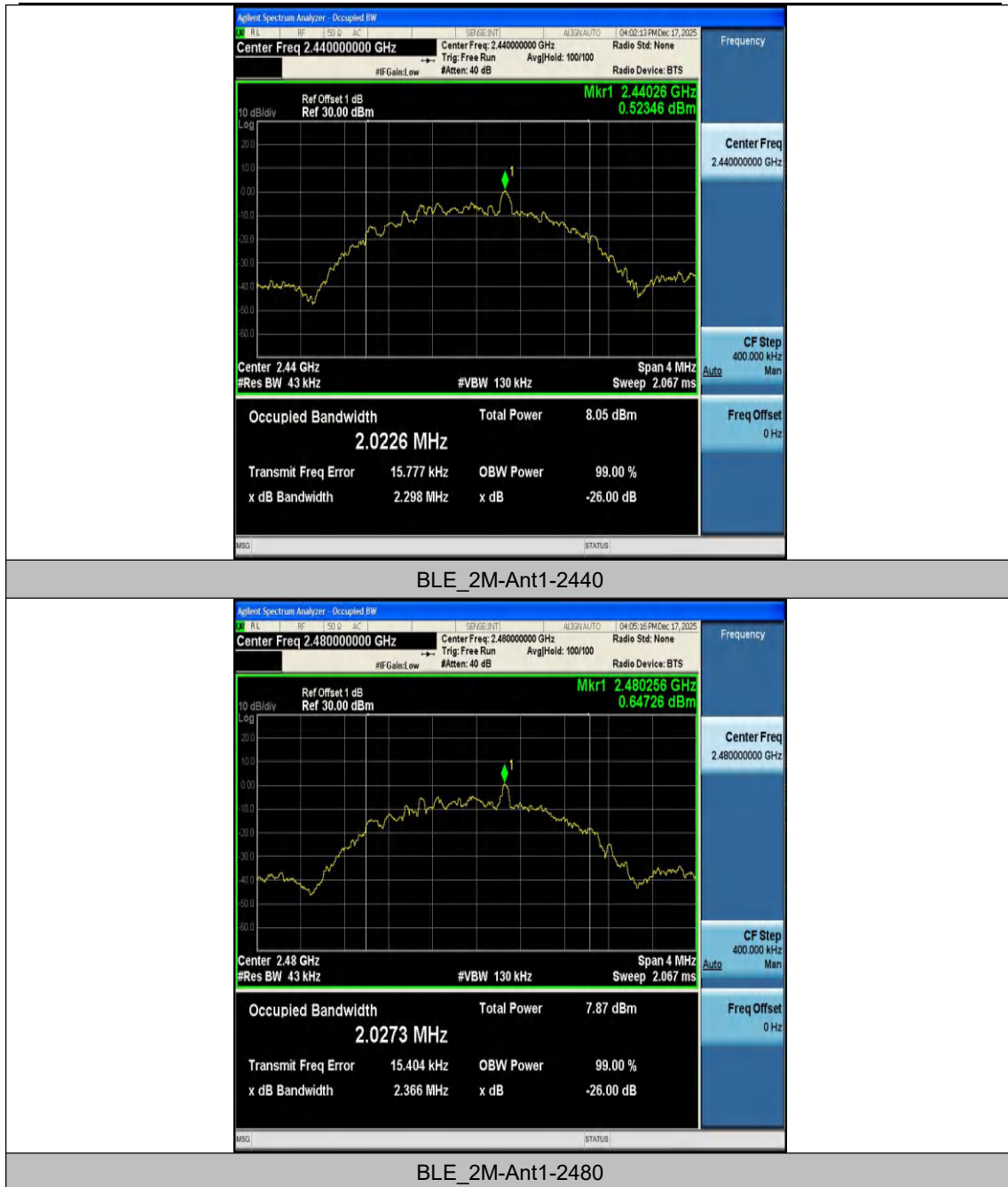
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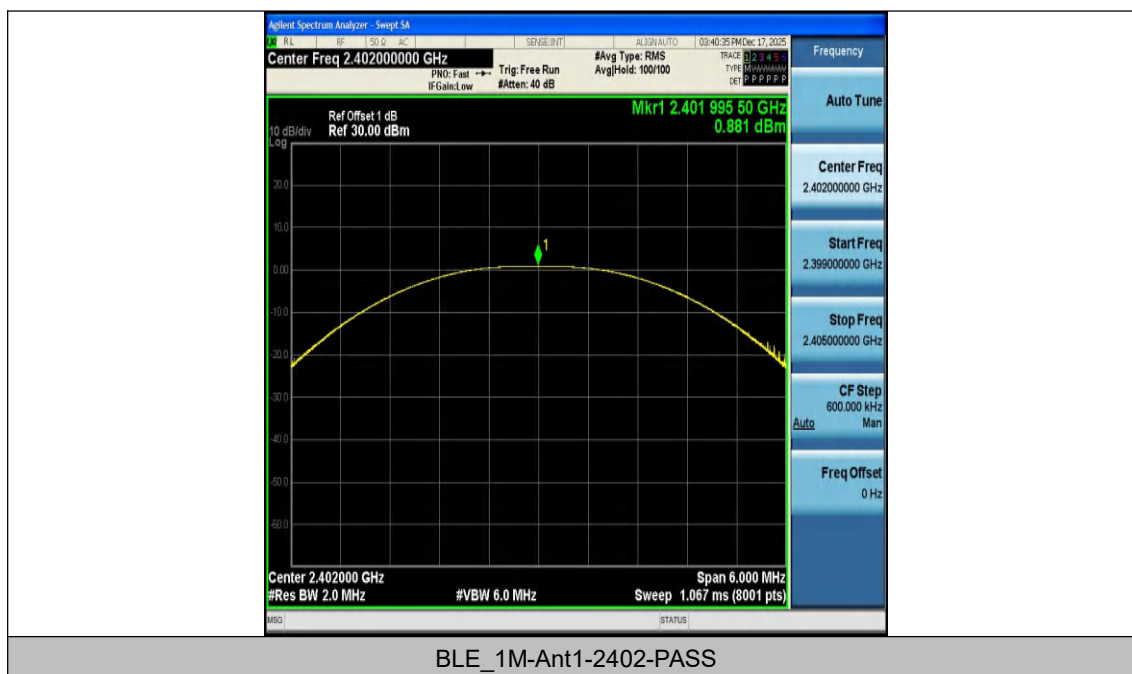
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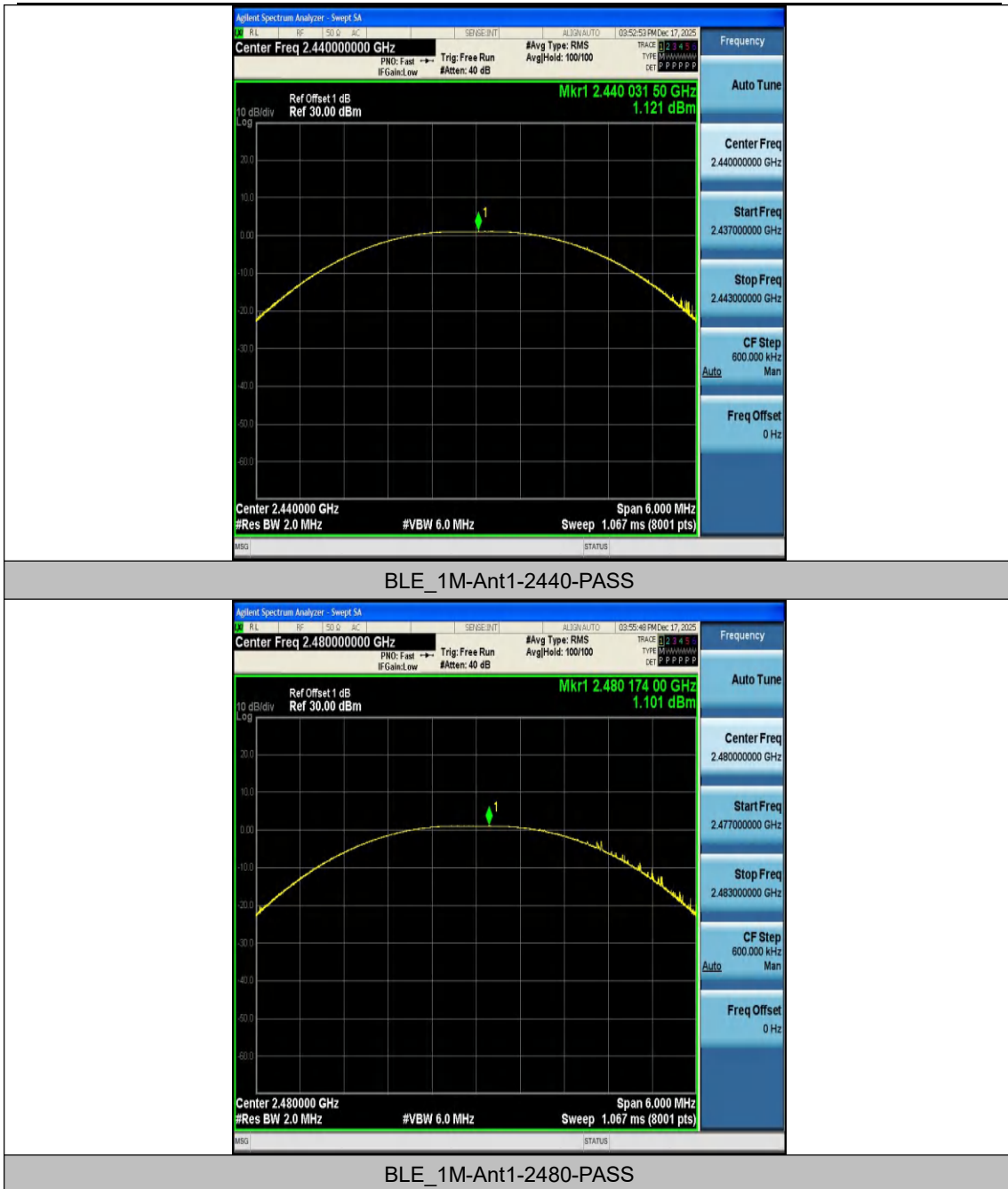
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.88	≤30	PASS
BLE_1M	Ant1	2440	1.12	≤30	PASS
BLE_1M	Ant1	2480	1.10	≤30	PASS
BLE_2M	Ant1	2402	0.92	≤30	PASS
BLE_2M	Ant1	2440	1.13	≤30	PASS
BLE_2M	Ant1	2480	1.19	≤30	PASS

Test Graphs Peak

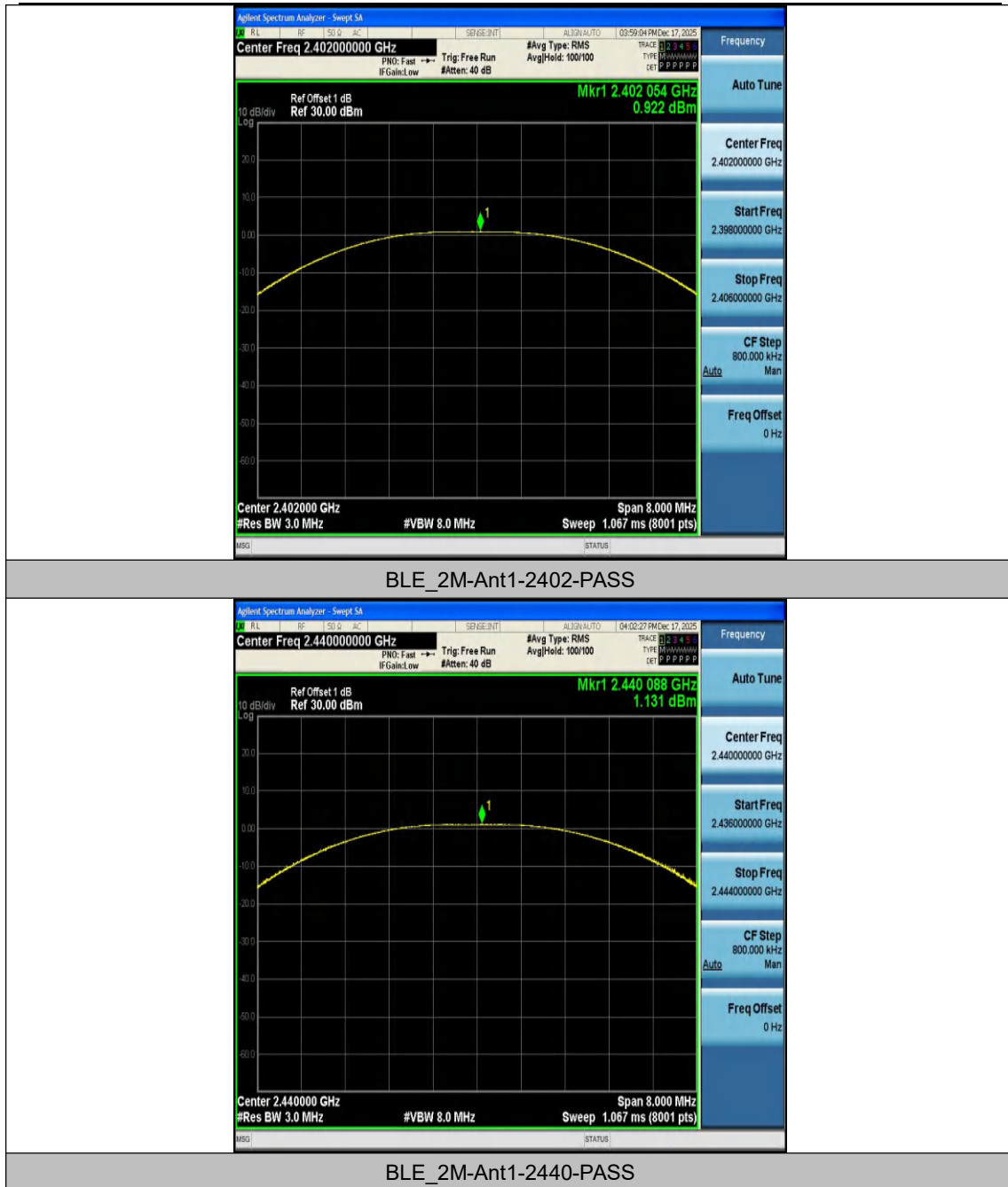




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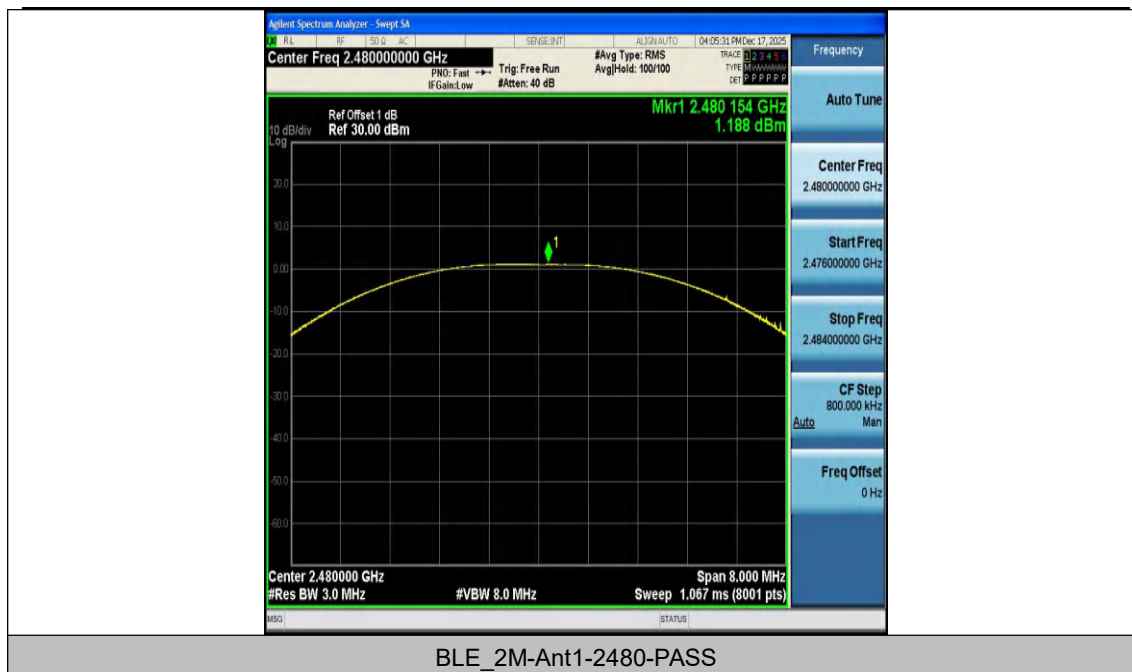
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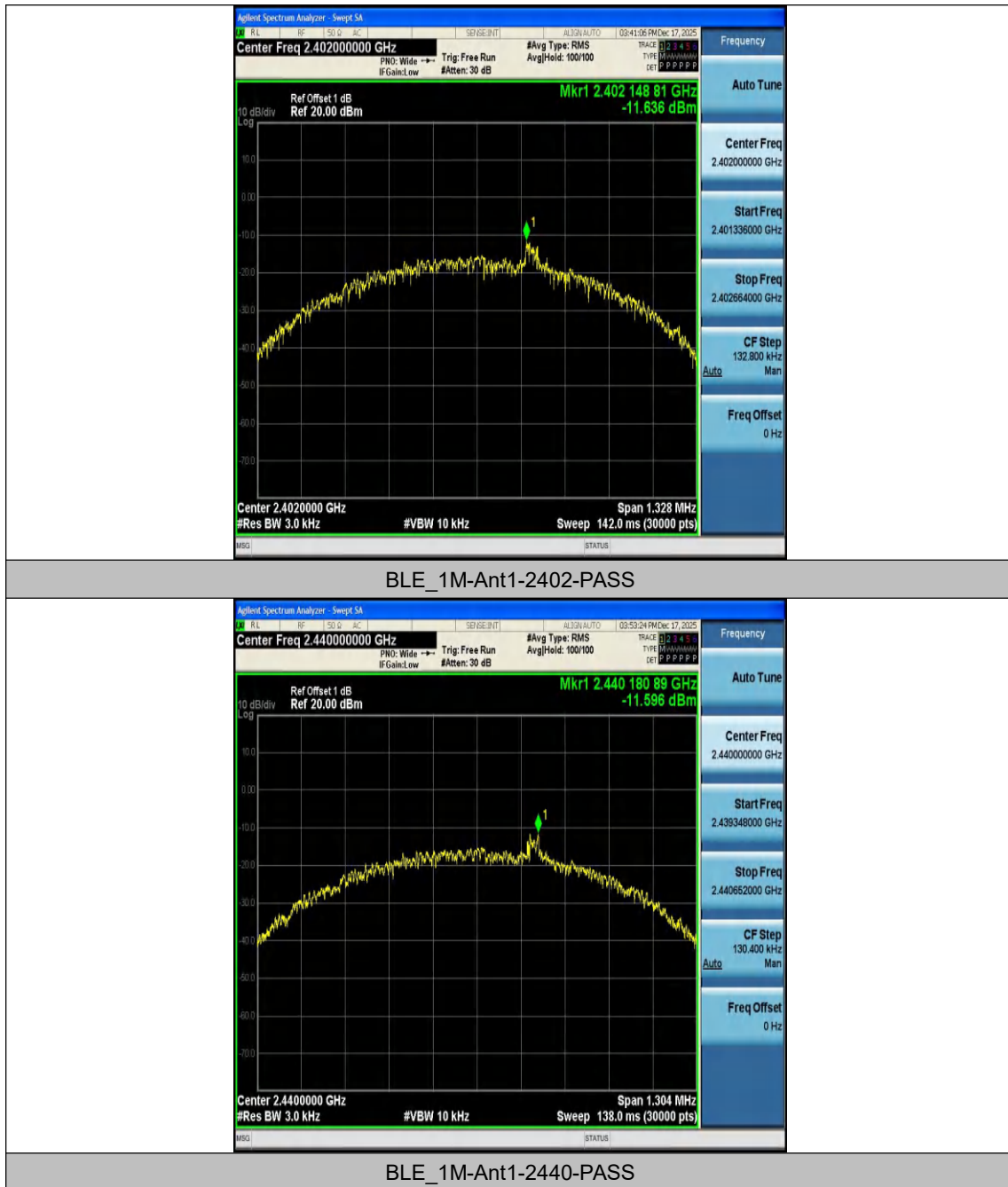
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.64	≤8.00	PASS
BLE_1M	Ant1	2440	-11.60	≤8.00	PASS
BLE_1M	Ant1	2480	-11.81	≤8.00	PASS
BLE_2M	Ant1	2402	-11.86	≤8.00	PASS
BLE_2M	Ant1	2440	-11.96	≤8.00	PASS
BLE_2M	Ant1	2480	-12.61	≤8.00	PASS

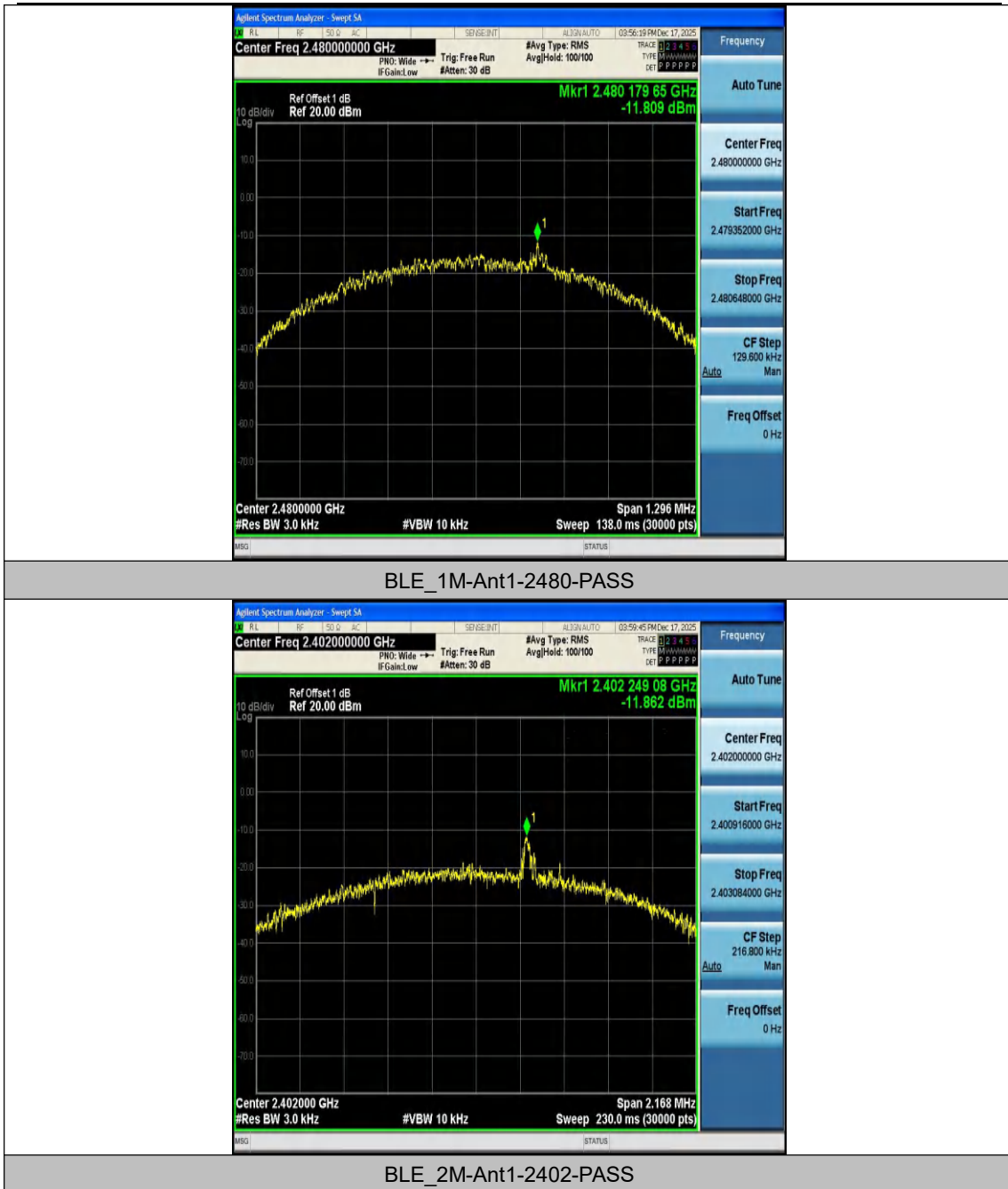
Test Graphs



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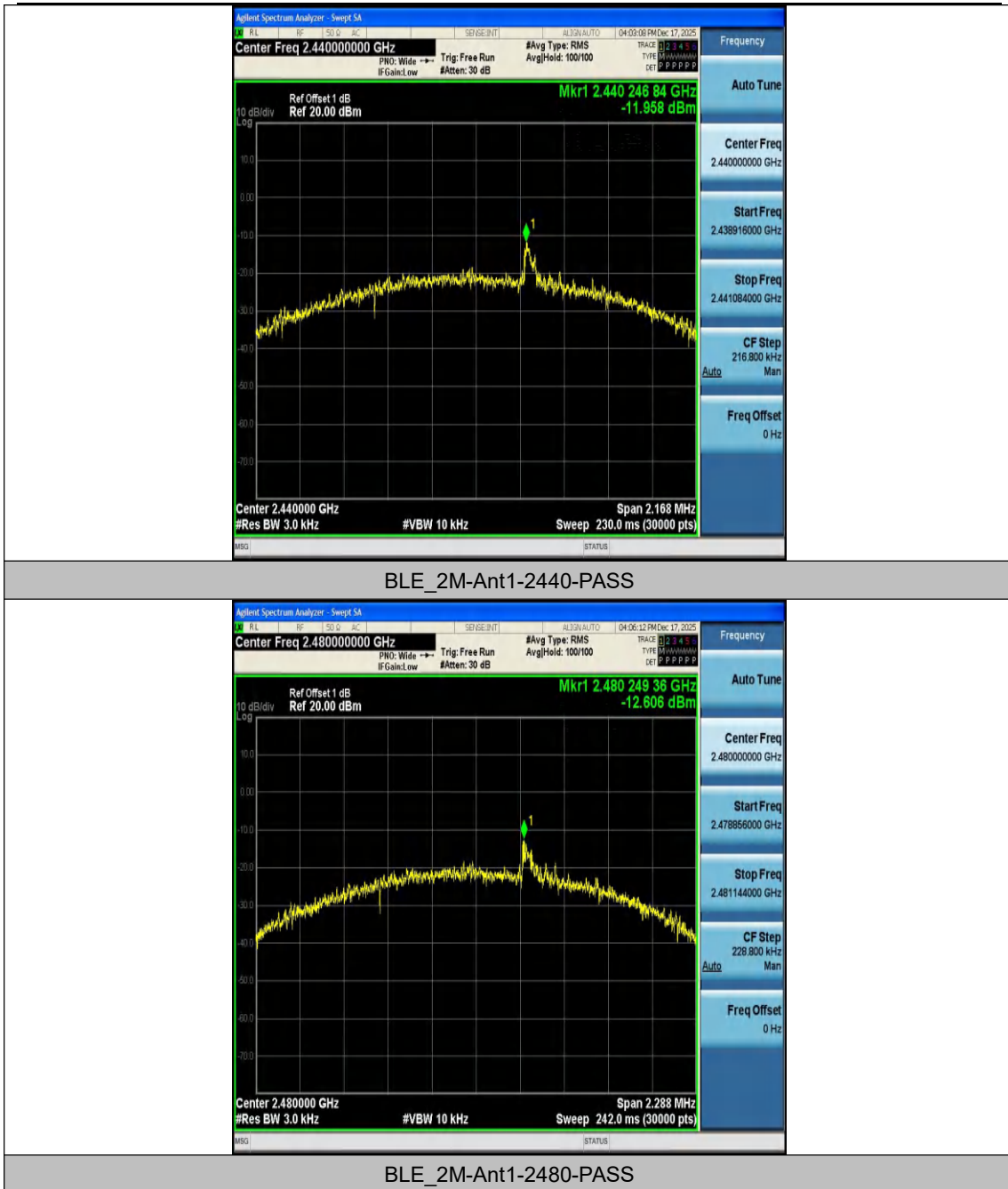
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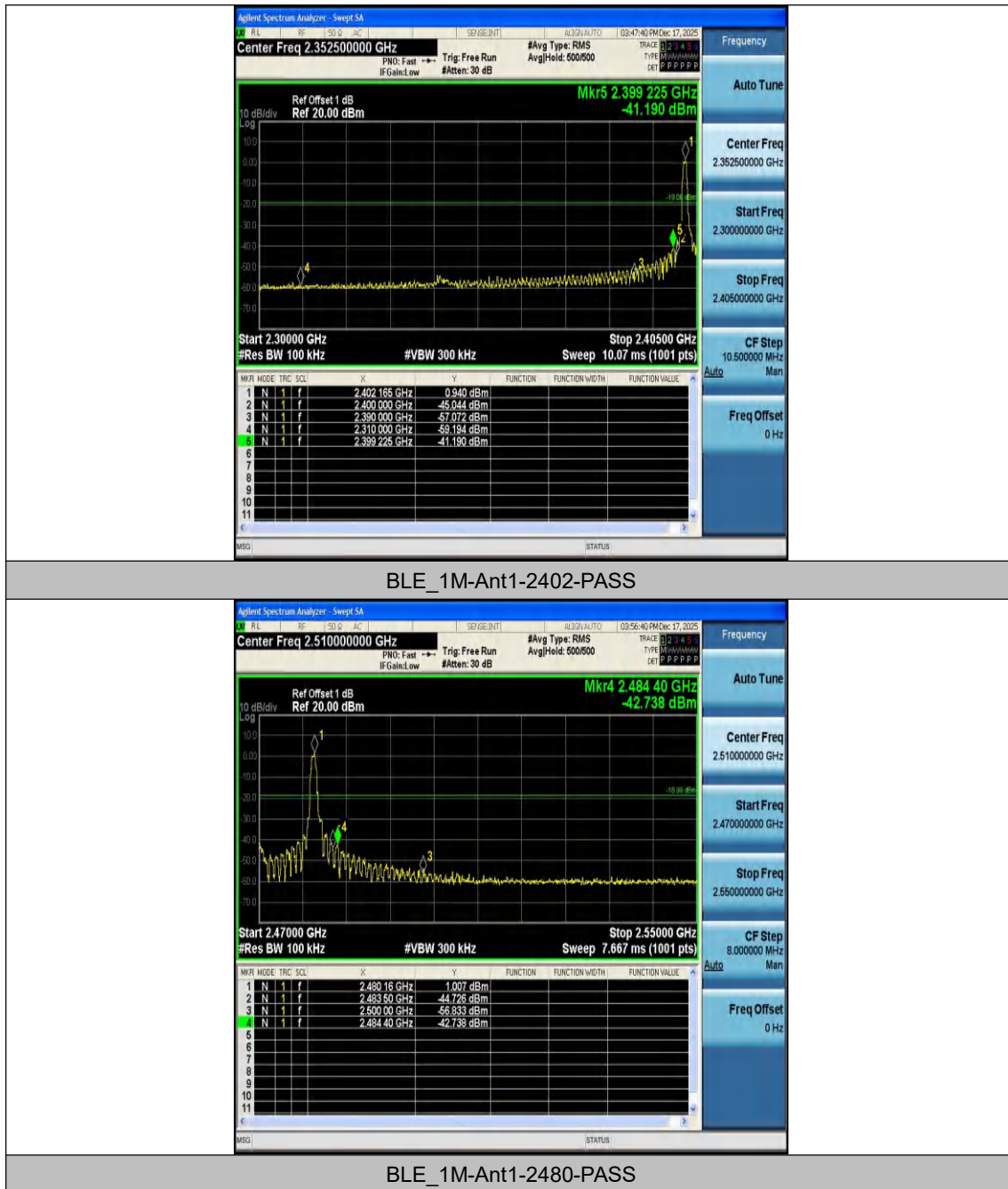
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.94	-41.19	≤-19.06	PASS
BLE_1M	Ant1	High	2480	1.01	-42.74	≤-18.99	PASS
BLE_2M	Ant1	Low	2402	0.86	-33.86	≤-19.14	PASS
BLE_2M	Ant1	High	2480	0.96	-41.4	≤-19.04	PASS

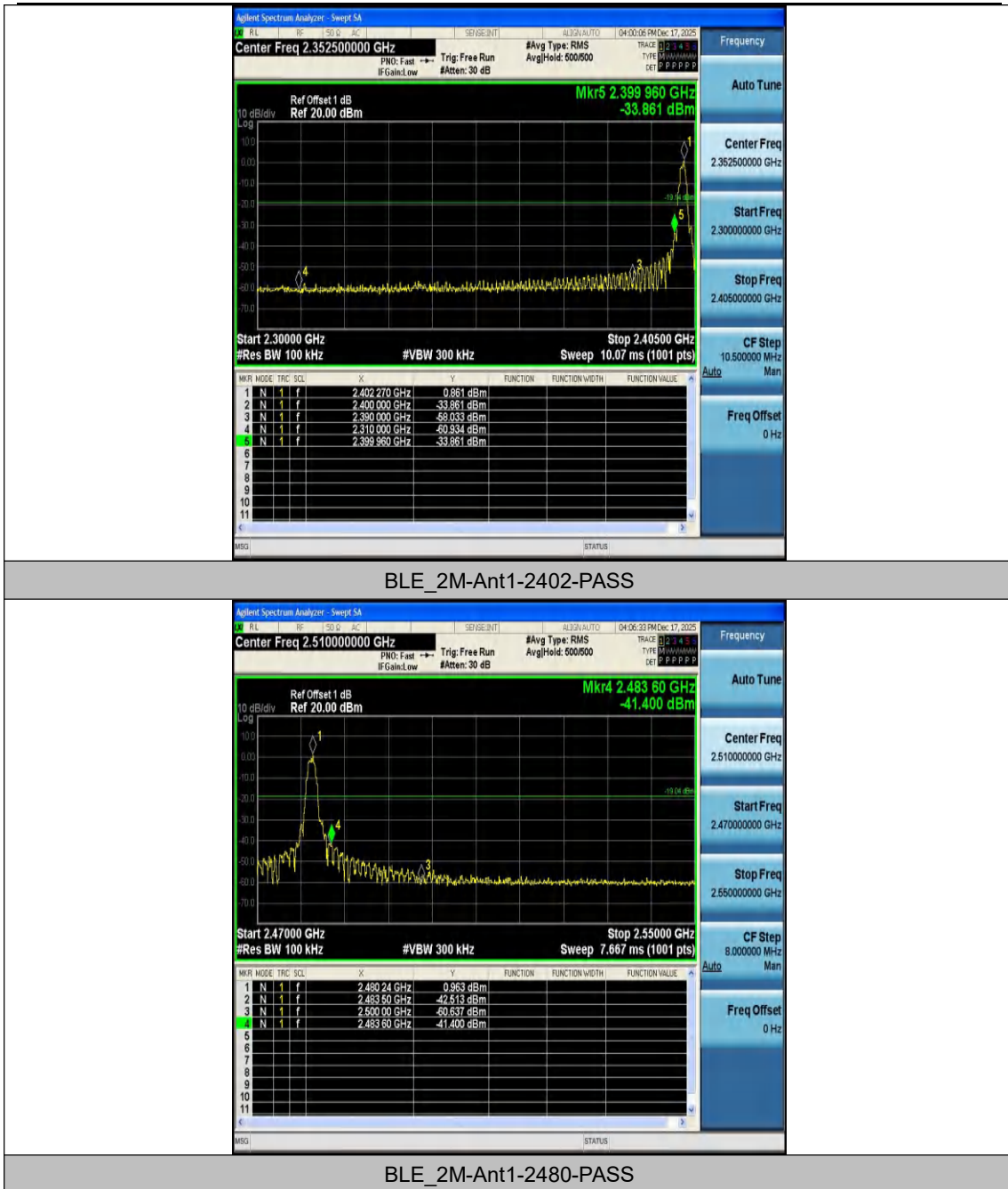
Test Graphs



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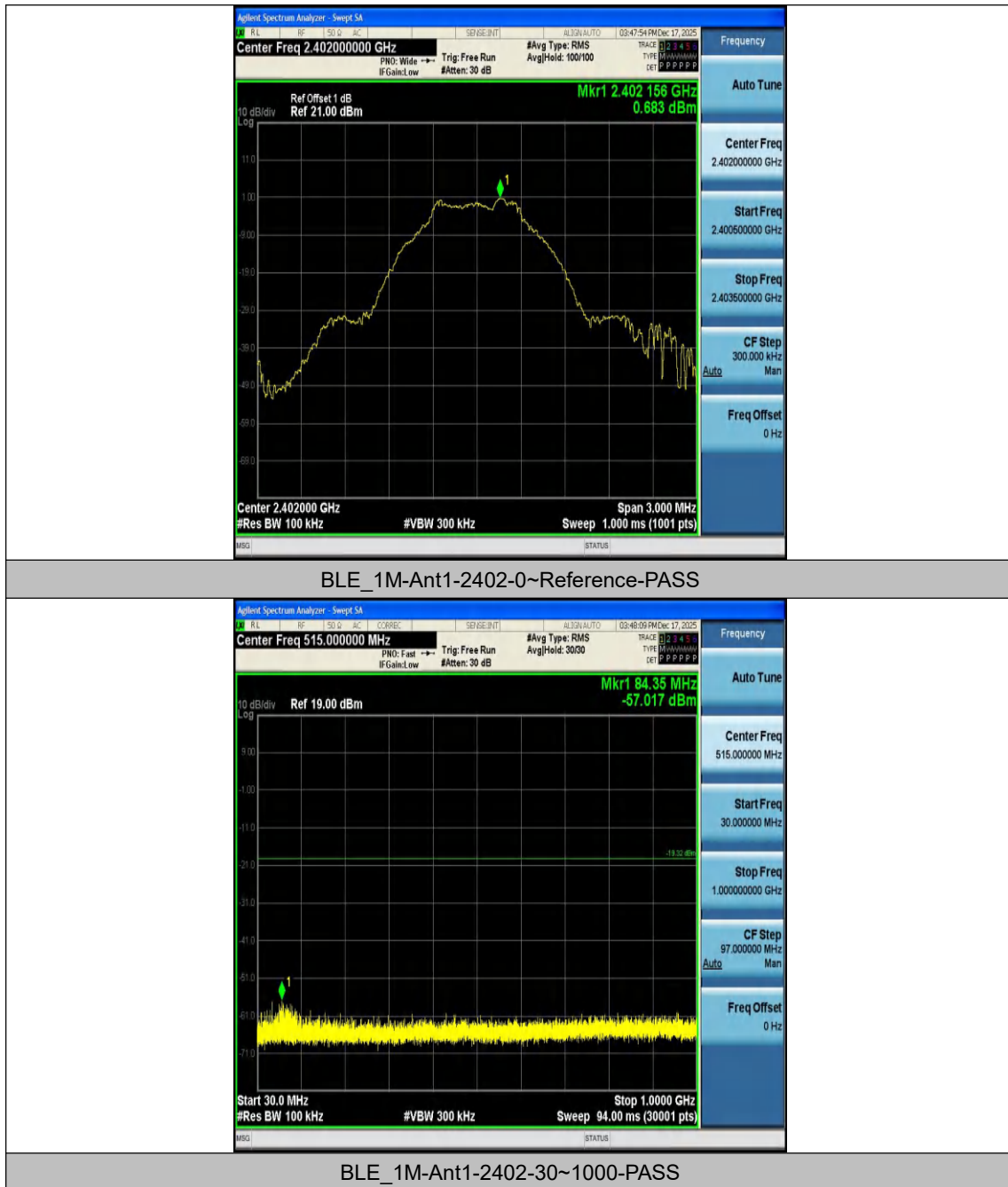
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.68	0.68	---	PASS
BLE_1M	Ant1	2402	30~1000	0.68	-57.02	≤-19.32	PASS
BLE_1M	Ant1	2402	1000~26500	0.68	-43.23	≤-19.32	PASS
BLE_1M	Ant1	2440	0~Reference	0.97	0.97	---	PASS
BLE_1M	Ant1	2440	30~1000	0.97	-57.35	≤-19.03	PASS
BLE_1M	Ant1	2440	1000~26500	0.97	-38.59	≤-19.03	PASS
BLE_1M	Ant1	2480	0~Reference	0.98	0.98	---	PASS
BLE_1M	Ant1	2480	30~1000	0.98	-57.59	≤-19.02	PASS
BLE_1M	Ant1	2480	1000~26500	0.98	-37.35	≤-19.02	PASS
BLE_2M	Ant1	2402	0~Reference	0.75	0.75	---	PASS
BLE_2M	Ant1	2402	30~1000	0.75	-56.67	≤-19.25	PASS
BLE_2M	Ant1	2402	1000~26500	0.75	-41.81	≤-19.25	PASS
BLE_2M	Ant1	2440	0~Reference	0.98	0.98	---	PASS
BLE_2M	Ant1	2440	30~1000	0.98	-57.53	≤-19.02	PASS
BLE_2M	Ant1	2440	1000~26500	0.98	-39.8	≤-19.02	PASS
BLE_2M	Ant1	2480	0~Reference	1.02	1.02	---	PASS
BLE_2M	Ant1	2480	30~1000	1.02	-56.54	≤-18.98	PASS
BLE_2M	Ant1	2480	1000~26500	1.02	-38.22	≤-18.98	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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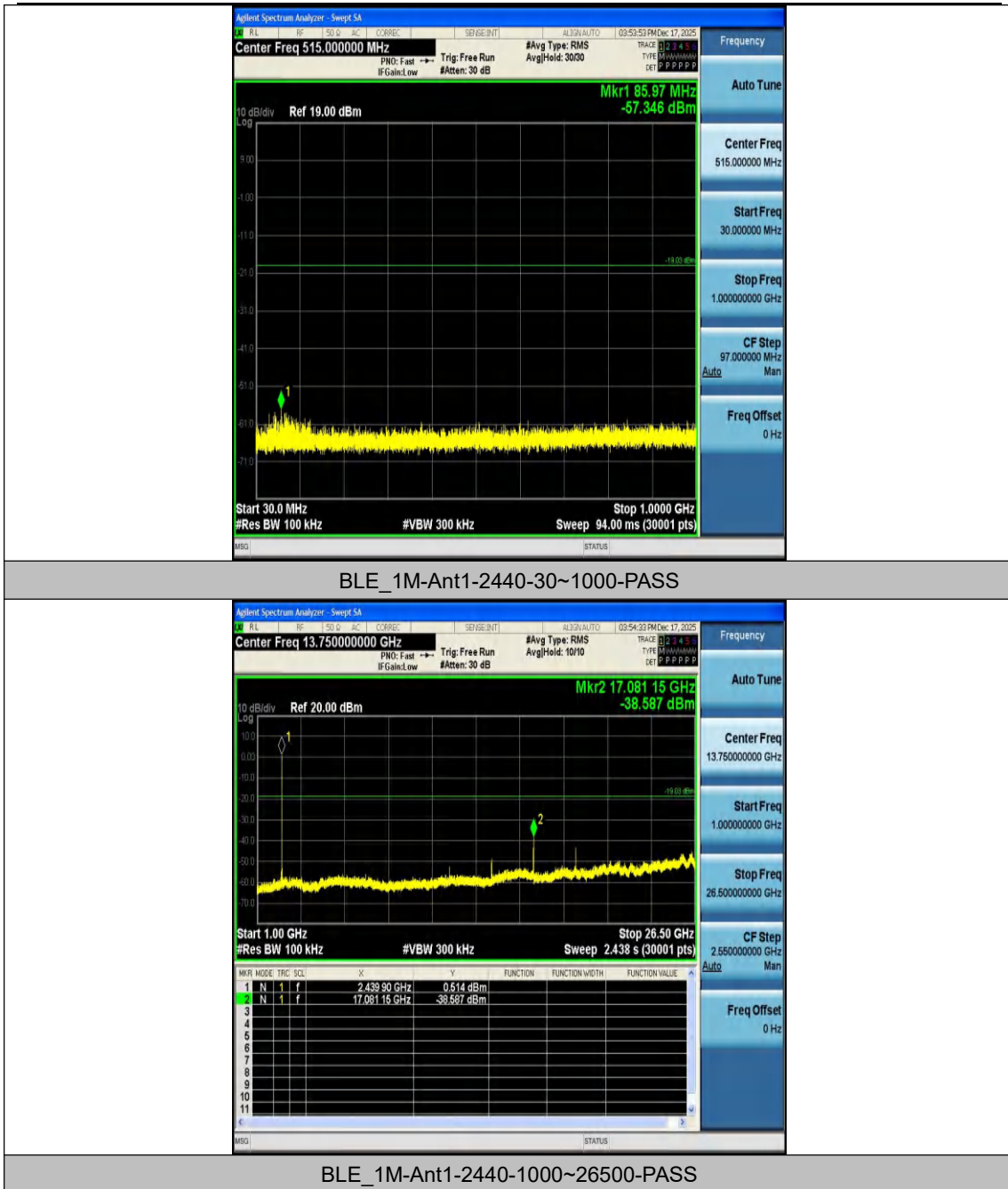
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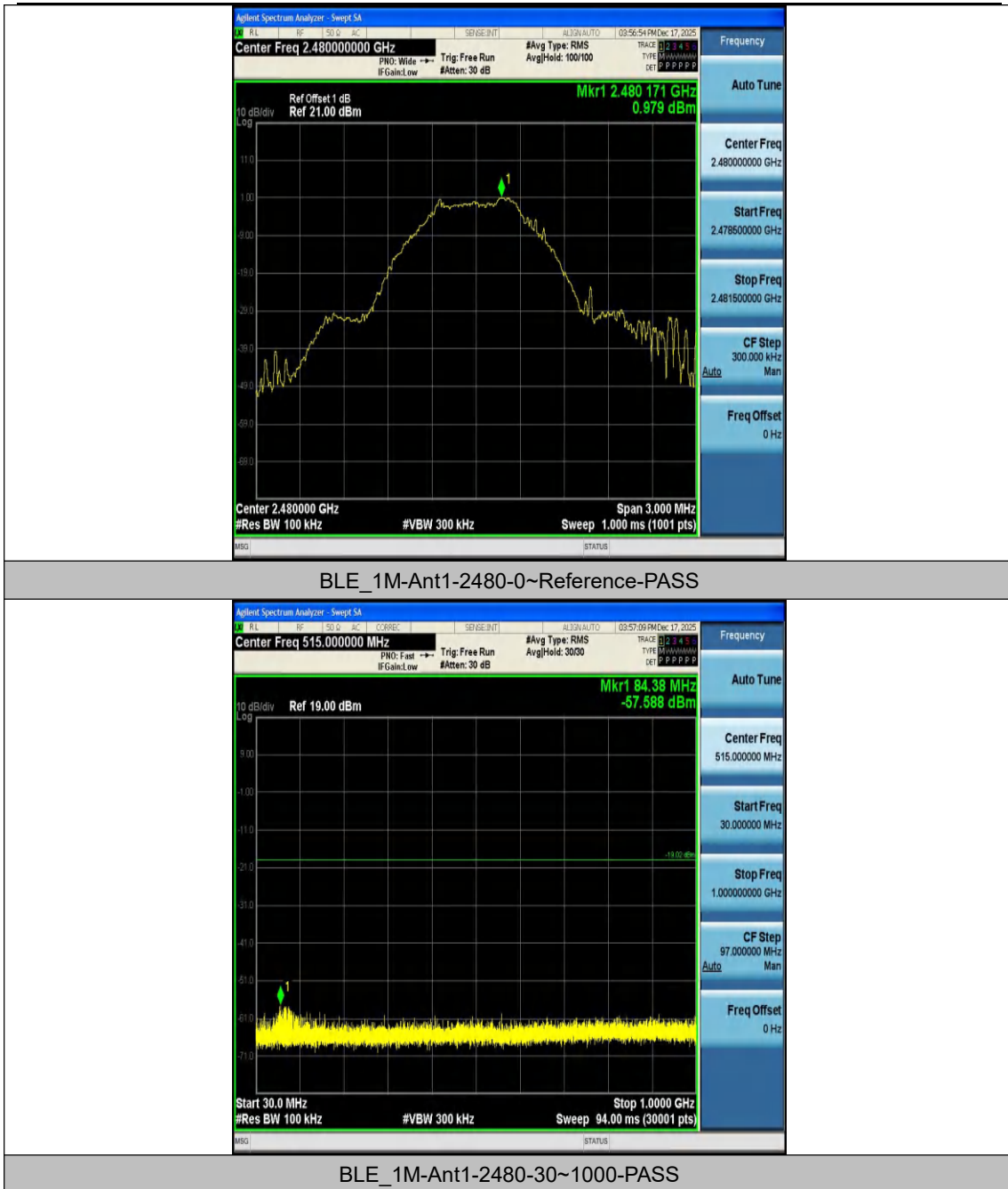
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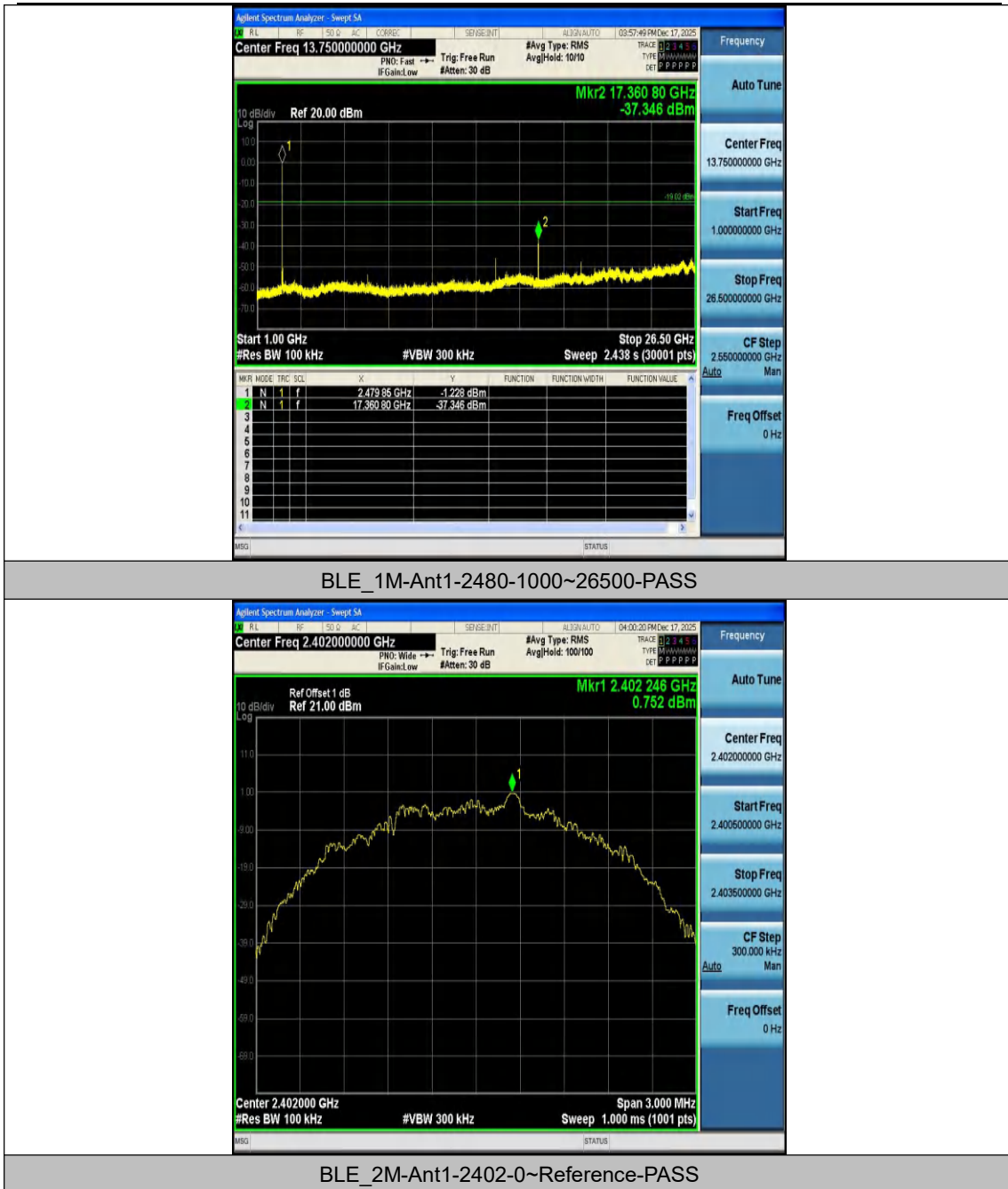
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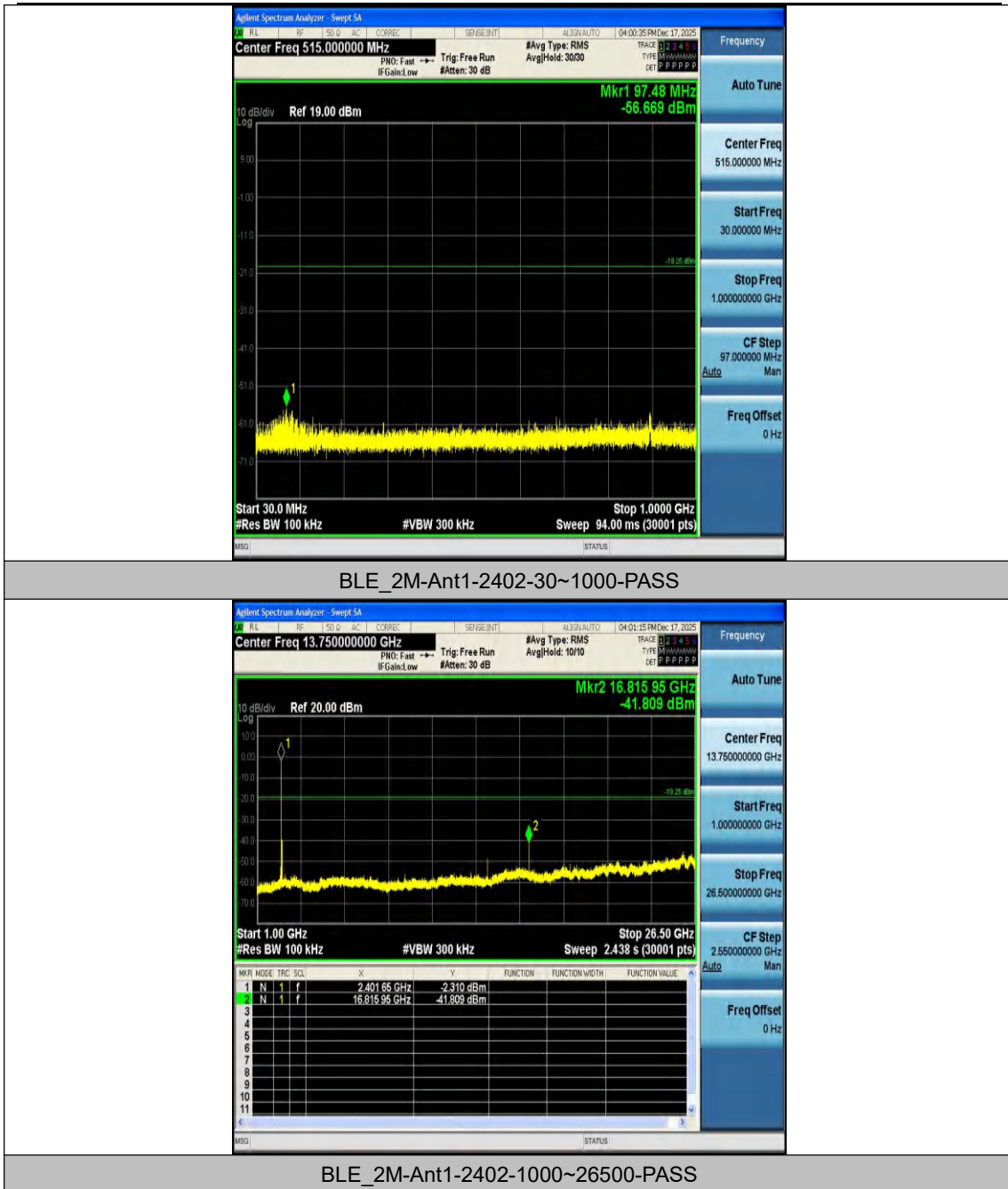
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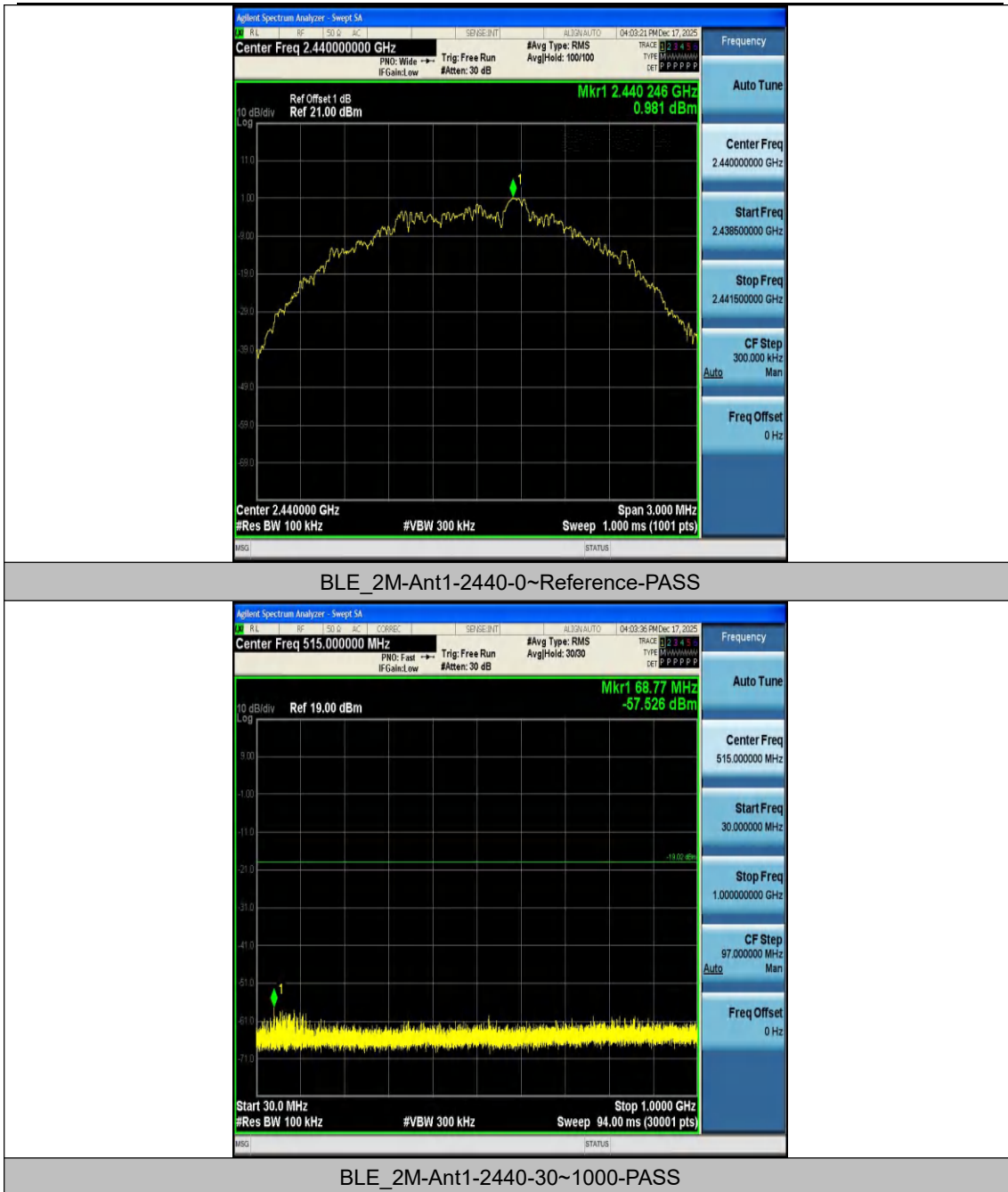
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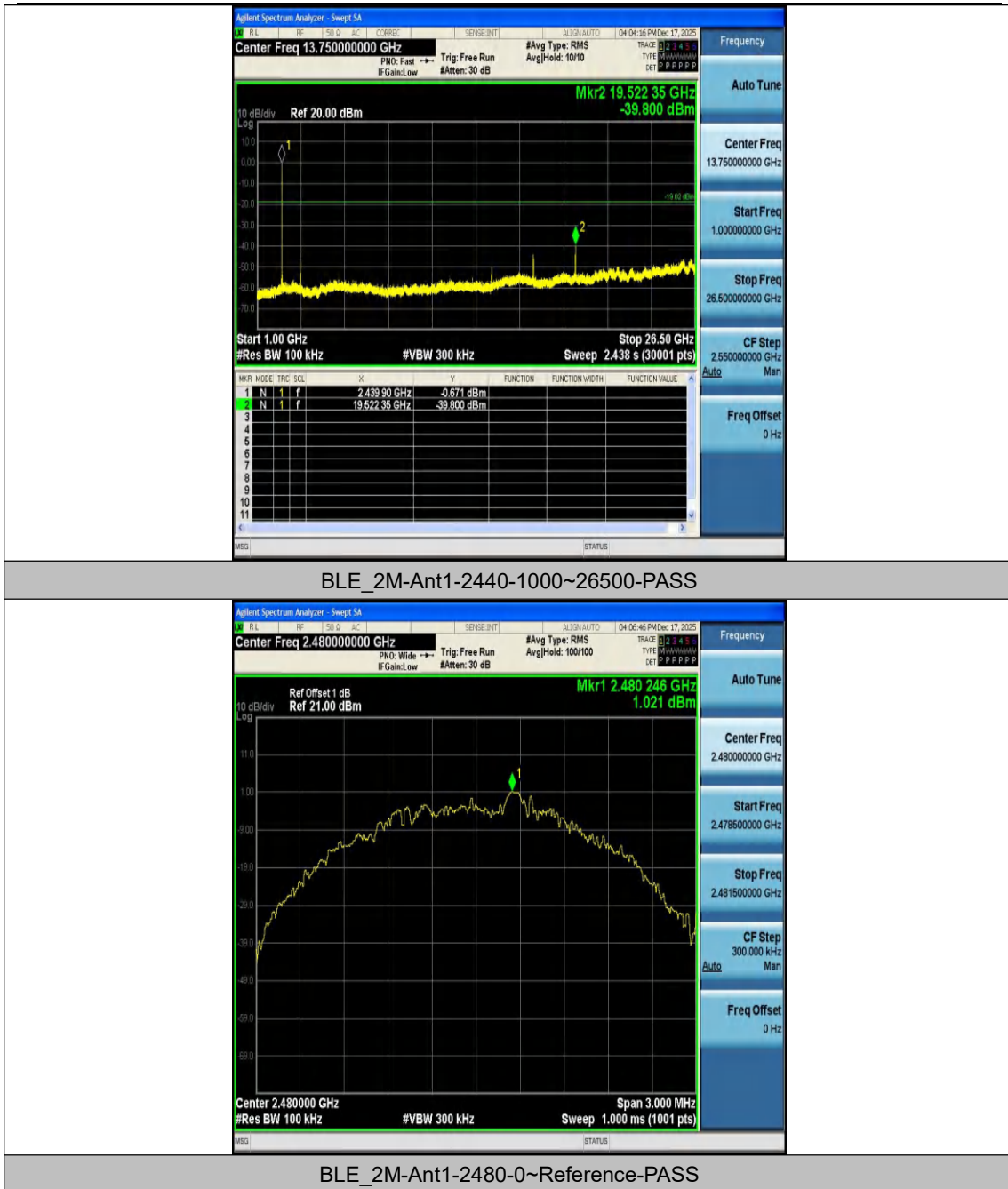
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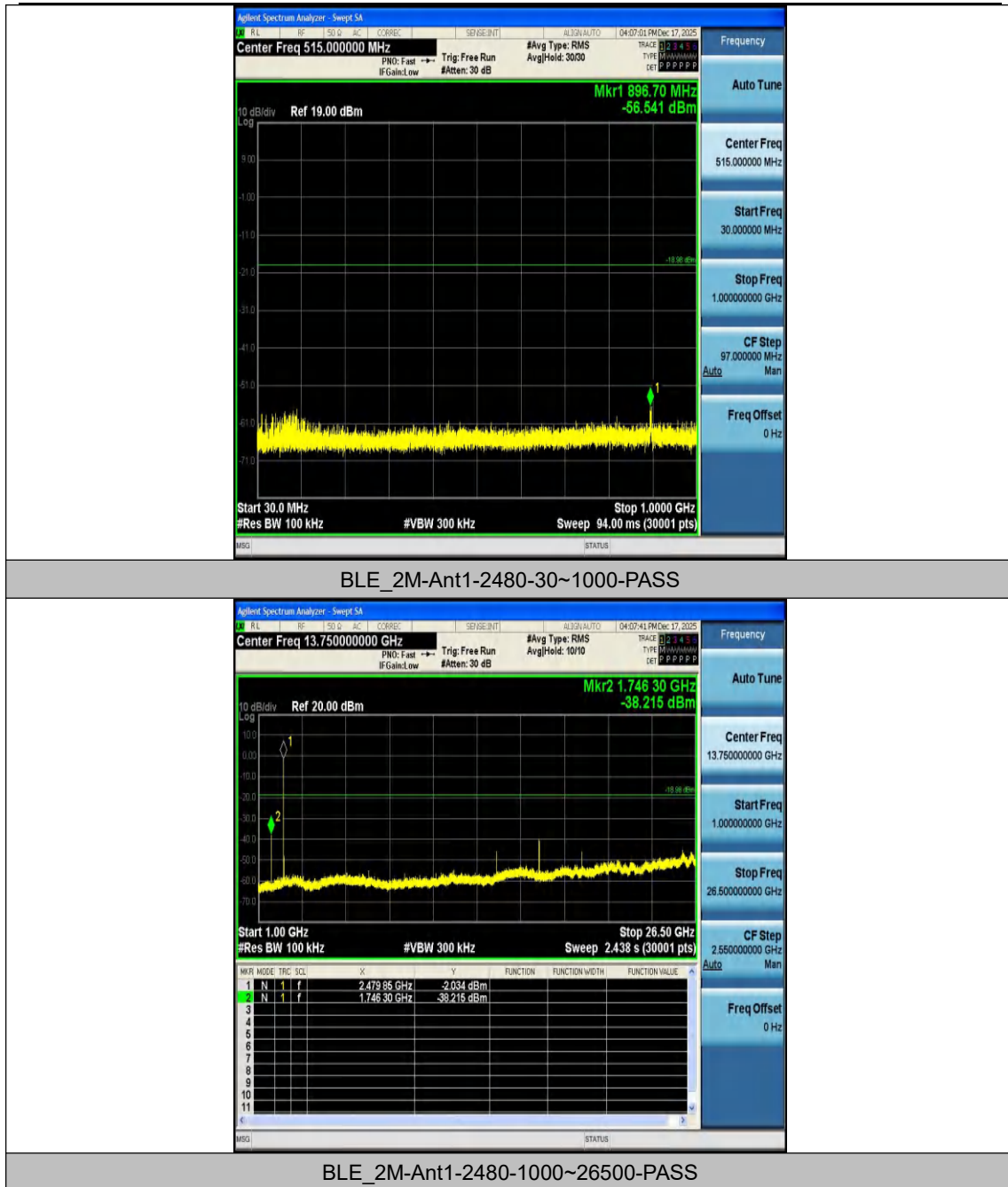
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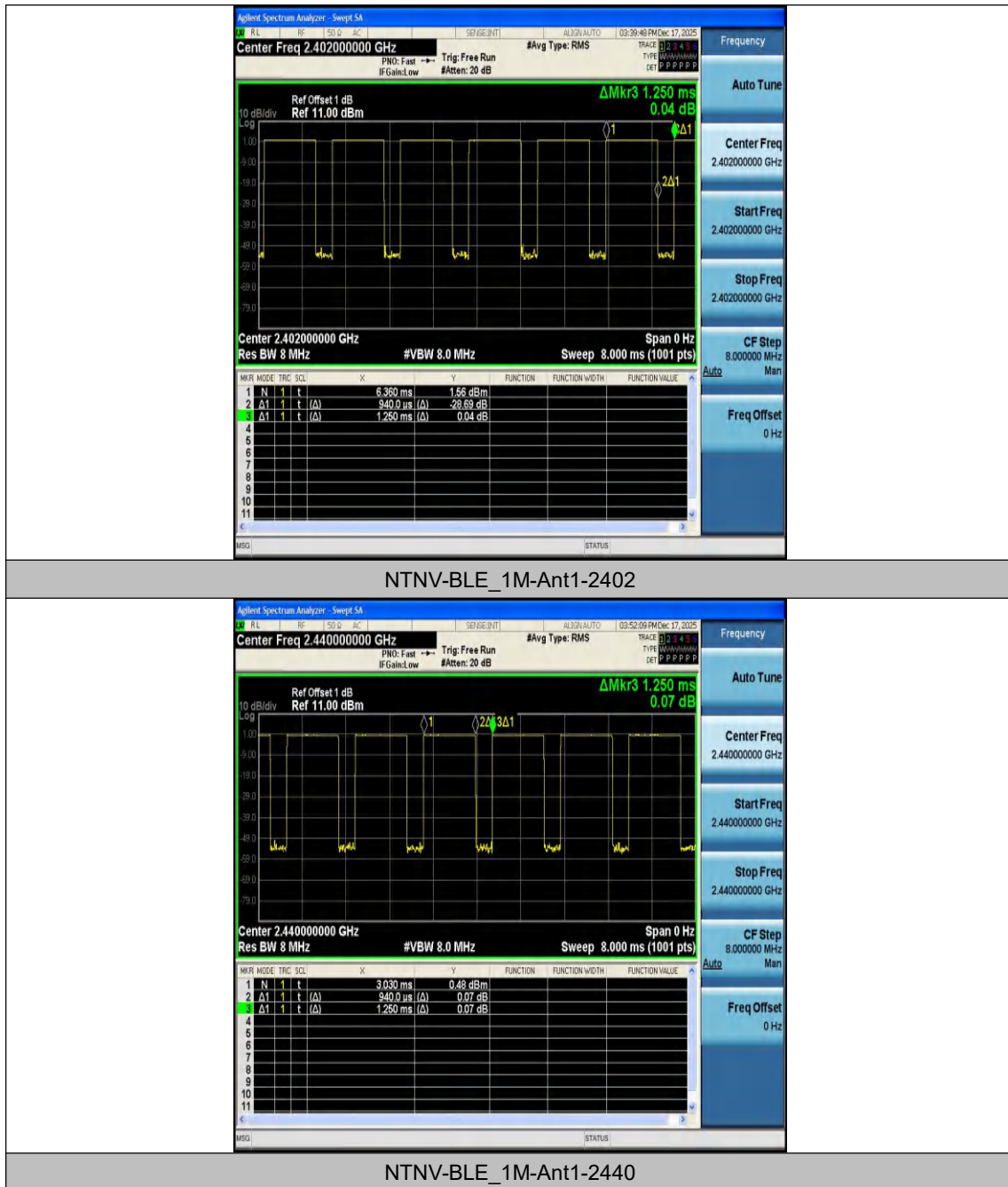


Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.94	1.25	75.20	1.24
BLE_1M	Ant1	2440	0.94	1.25	75.20	1.24
BLE_1M	Ant1	2480	0.94	1.25	75.20	1.24
BLE_2M	Ant1	2402	0.51	1.25	40.80	3.89
BLE_2M	Ant1	2440	0.50	1.24	40.32	3.94
BLE_2M	Ant1	2480	0.50	1.25	40.00	3.98

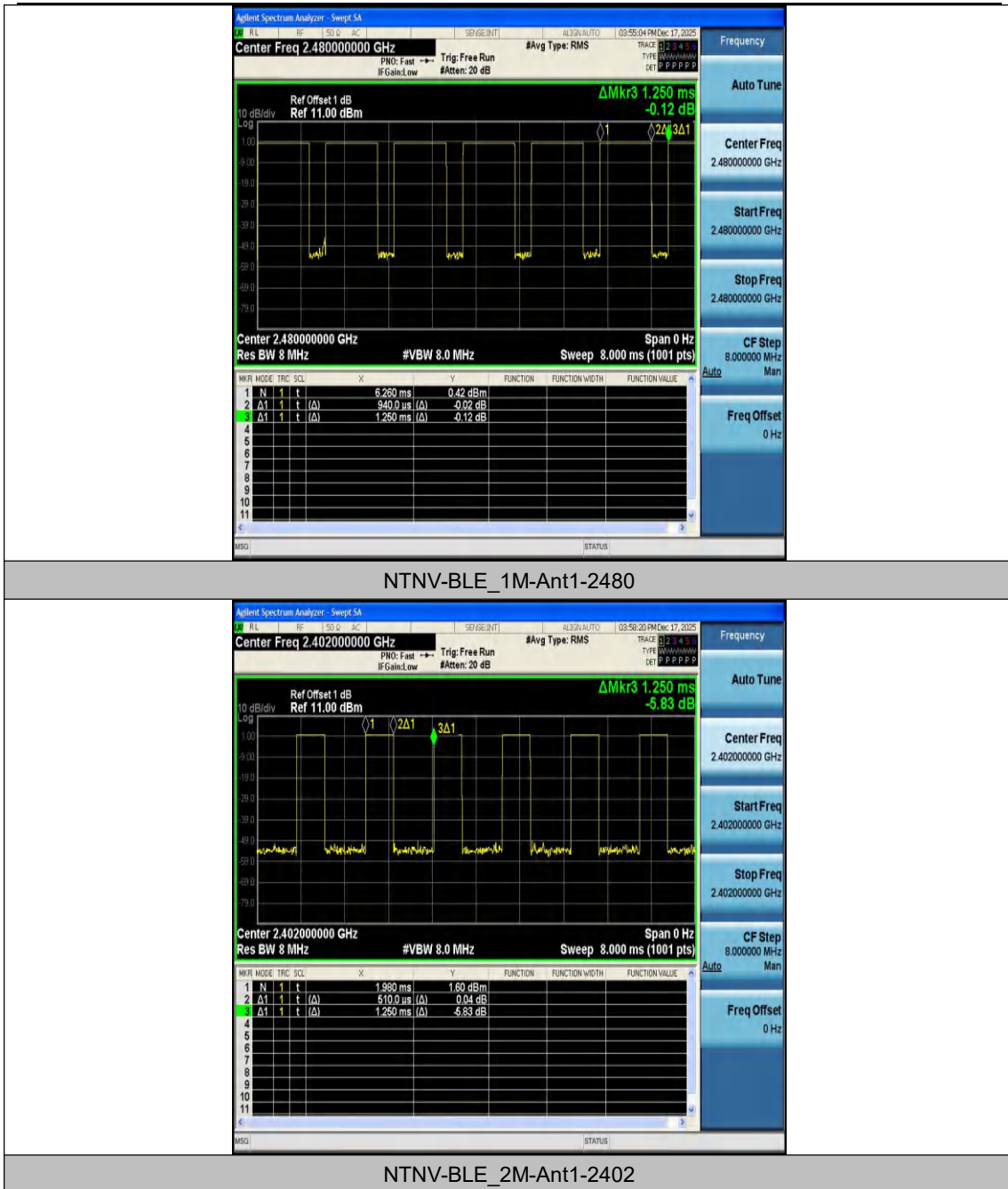
Test Graphs

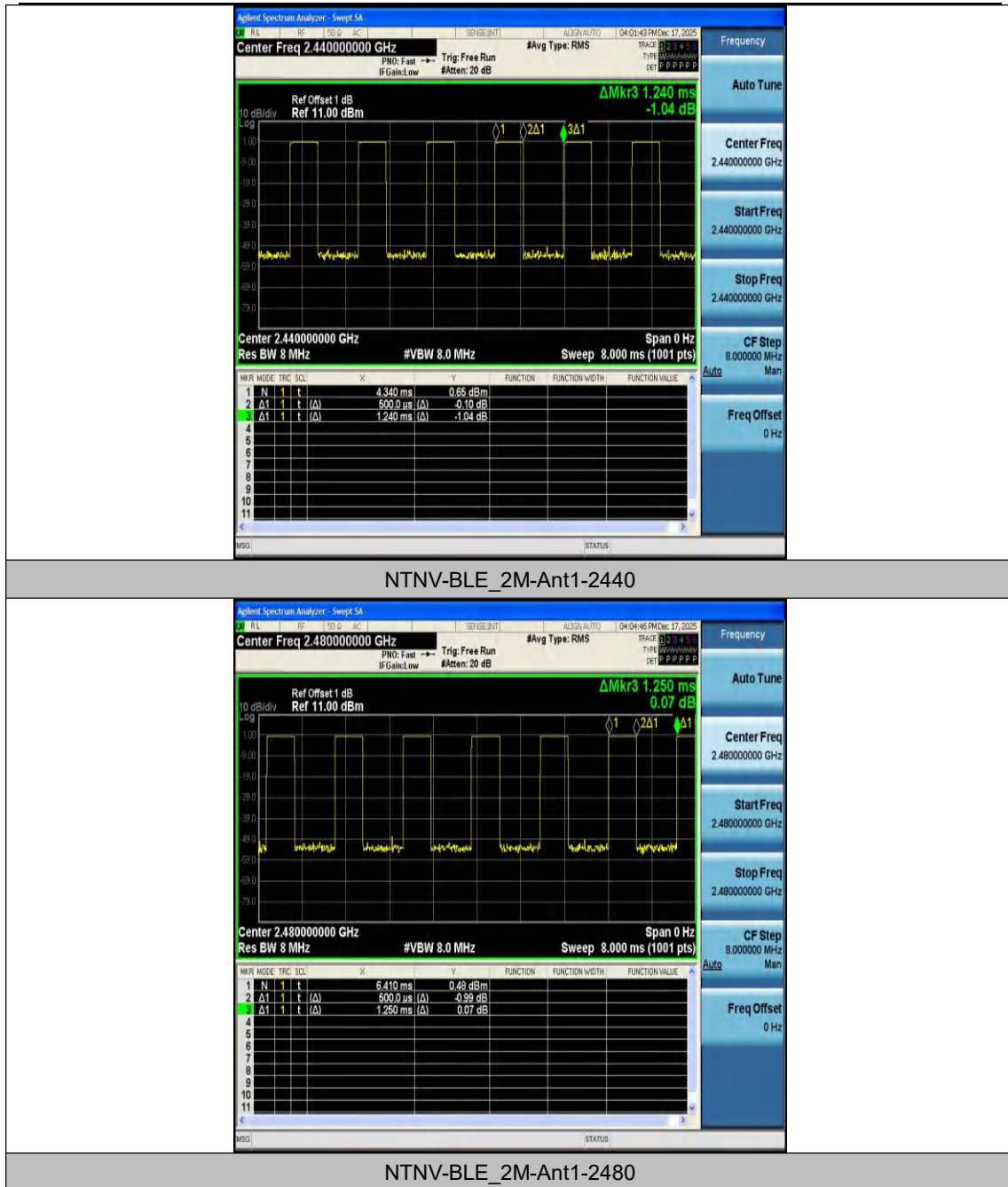


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