

Appendix Test Data

Report No.:	1812C50542712501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-21	Finish Test Date:	2025-10-21
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22°C	Relative Humidity:	53%
Pressure:	101kPa		

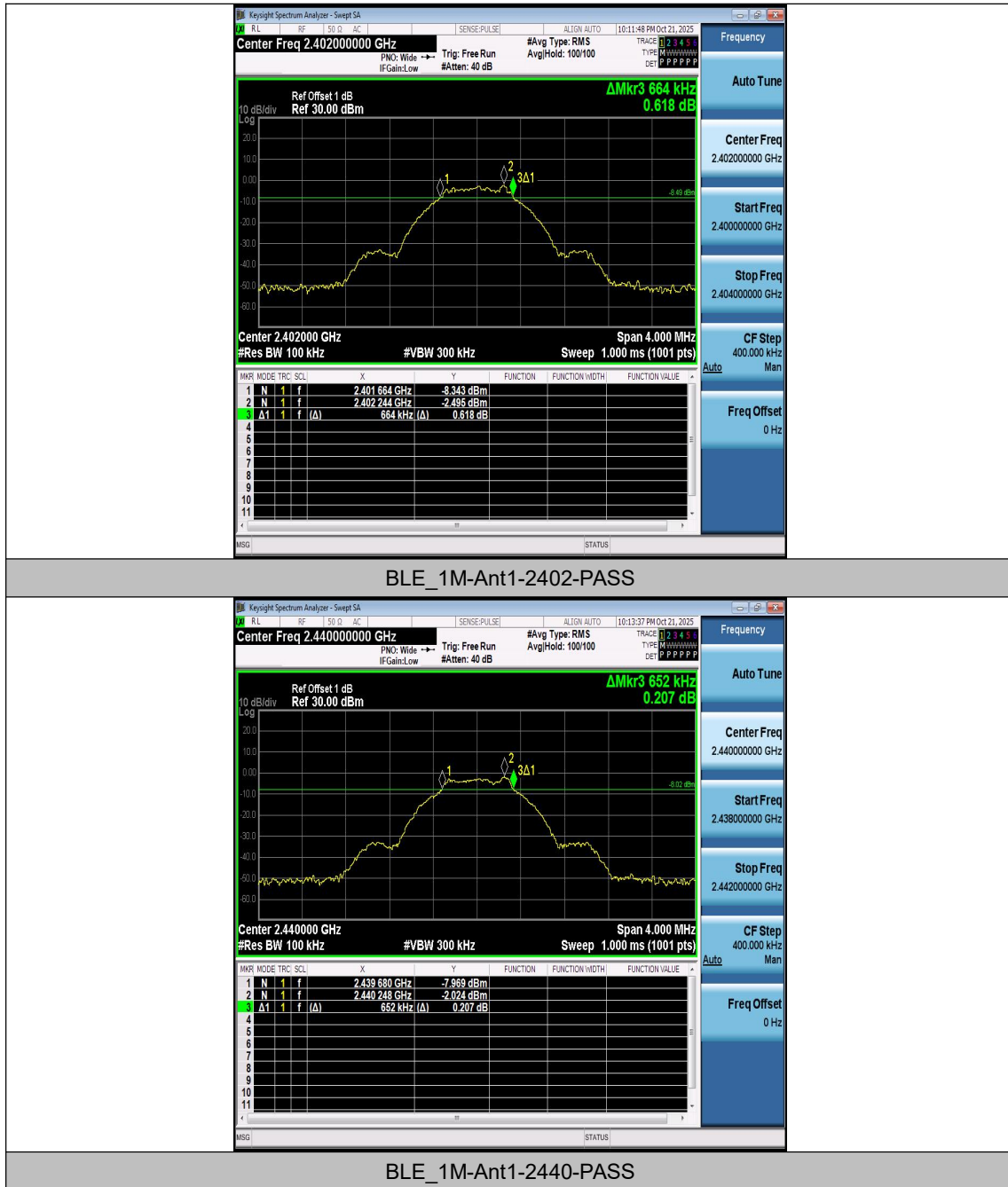


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.664	2402.328	0.5	PASS
BLE_1M	Ant1	2440	0.652	2439.680	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.716	2479.640	2480.356	0.5	PASS

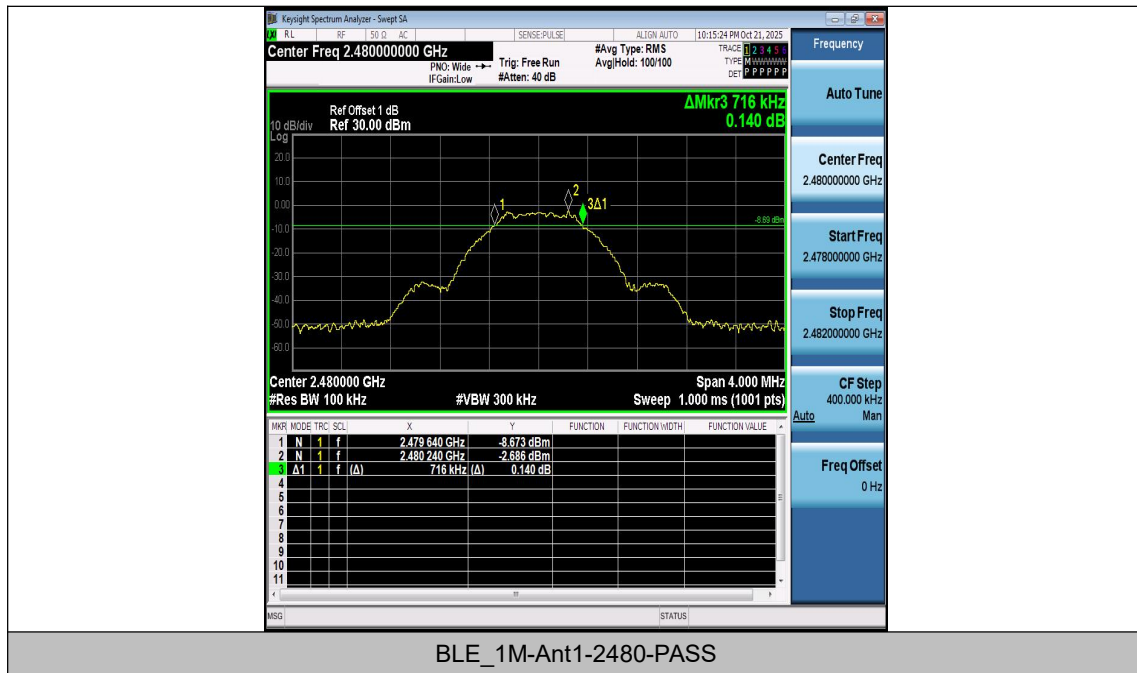
Test Graphs



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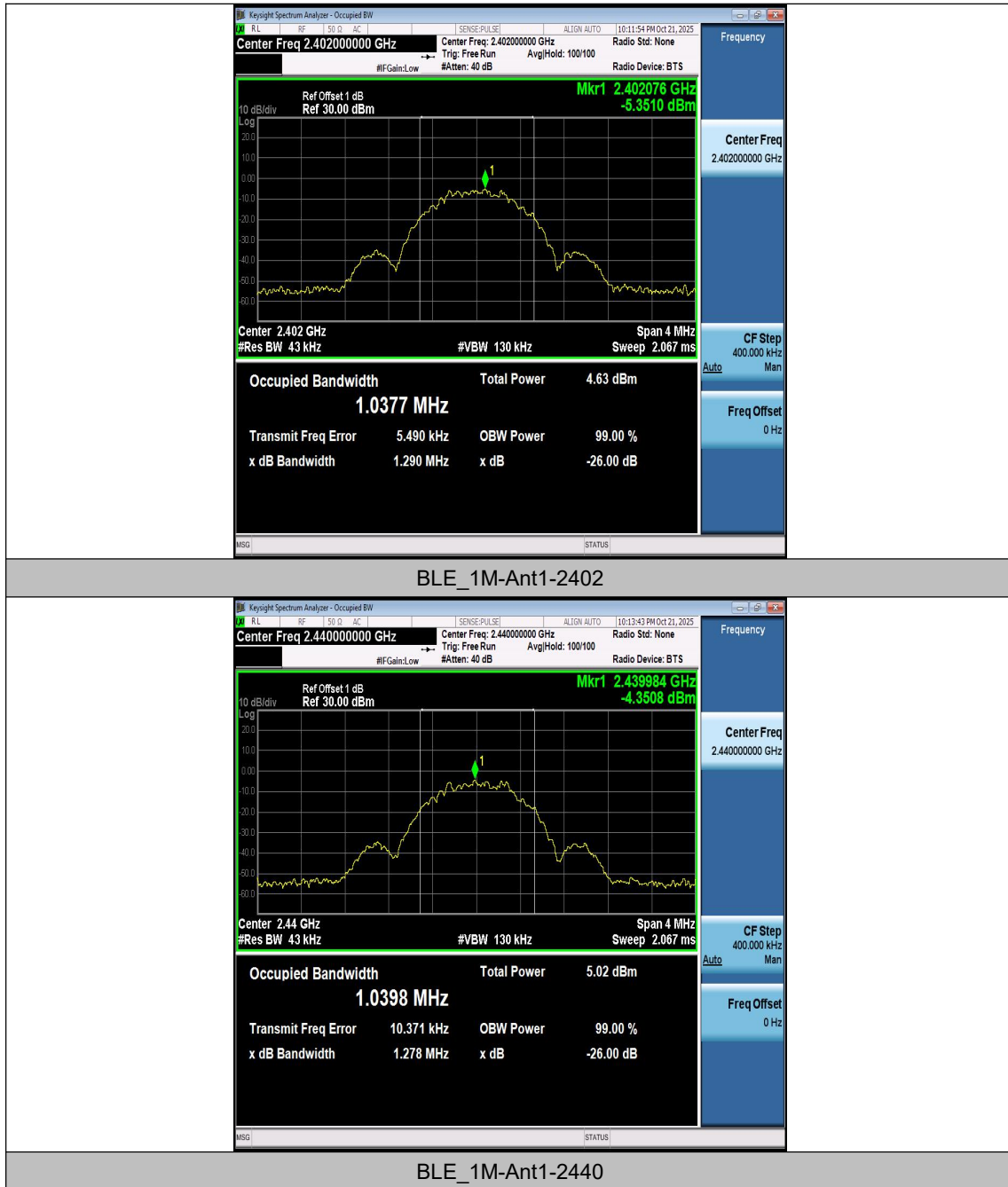
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0377	2401.4866	2402.5243	---	---
BLE_1M	Ant1	2440	1.0398	2439.4905	2440.5303	---	---
BLE_1M	Ant1	2480	1.0426	2479.4840	2480.5266	---	---

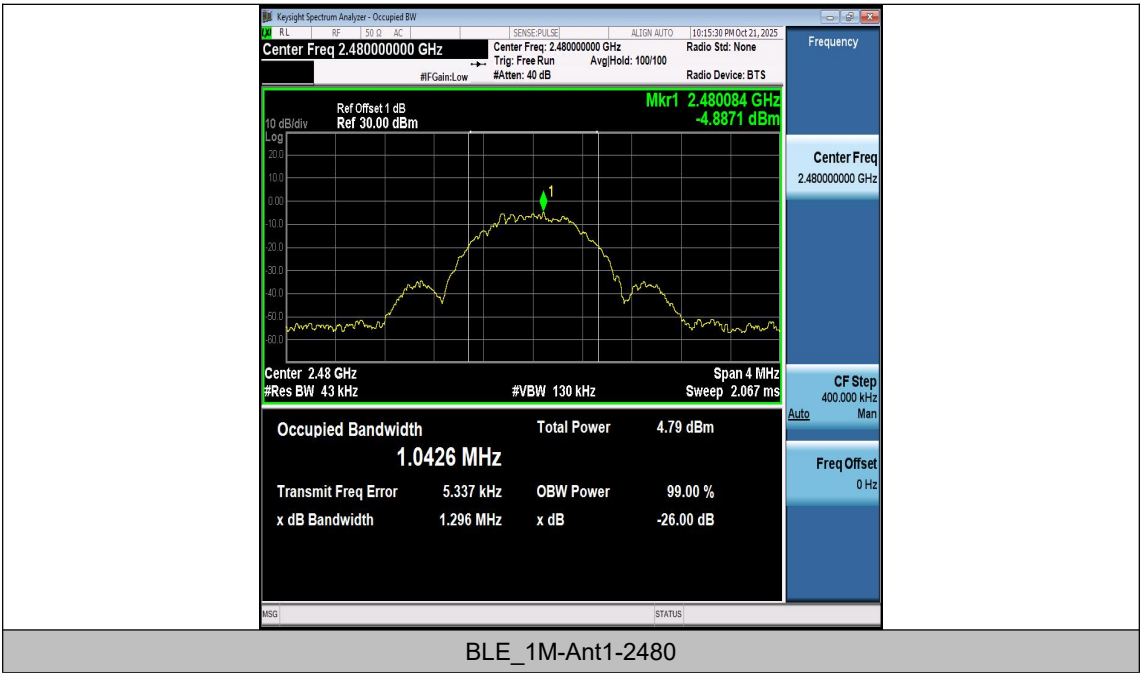
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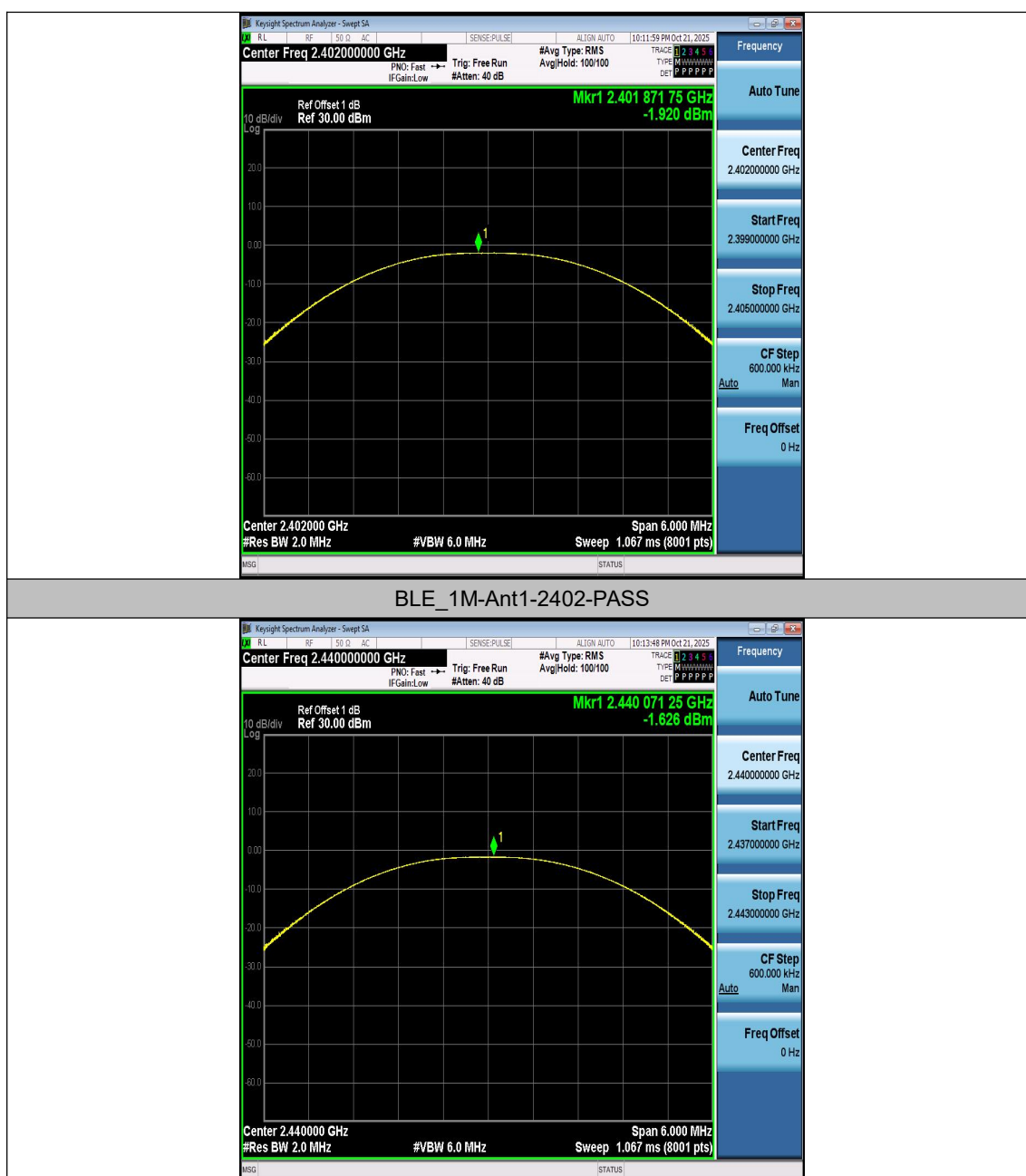
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.92	≤30	PASS
BLE_1M	Ant1	2440	-1.63	≤30	PASS
BLE_1M	Ant1	2480	-1.48	≤30	PASS

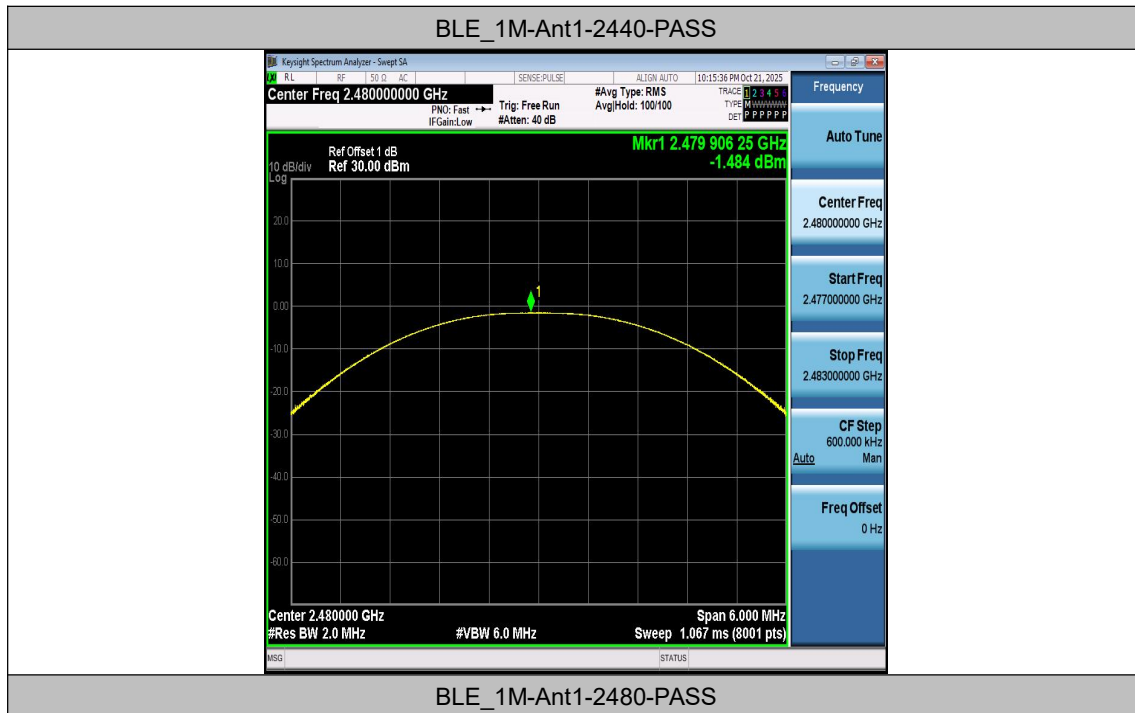
Test Graphs Peak



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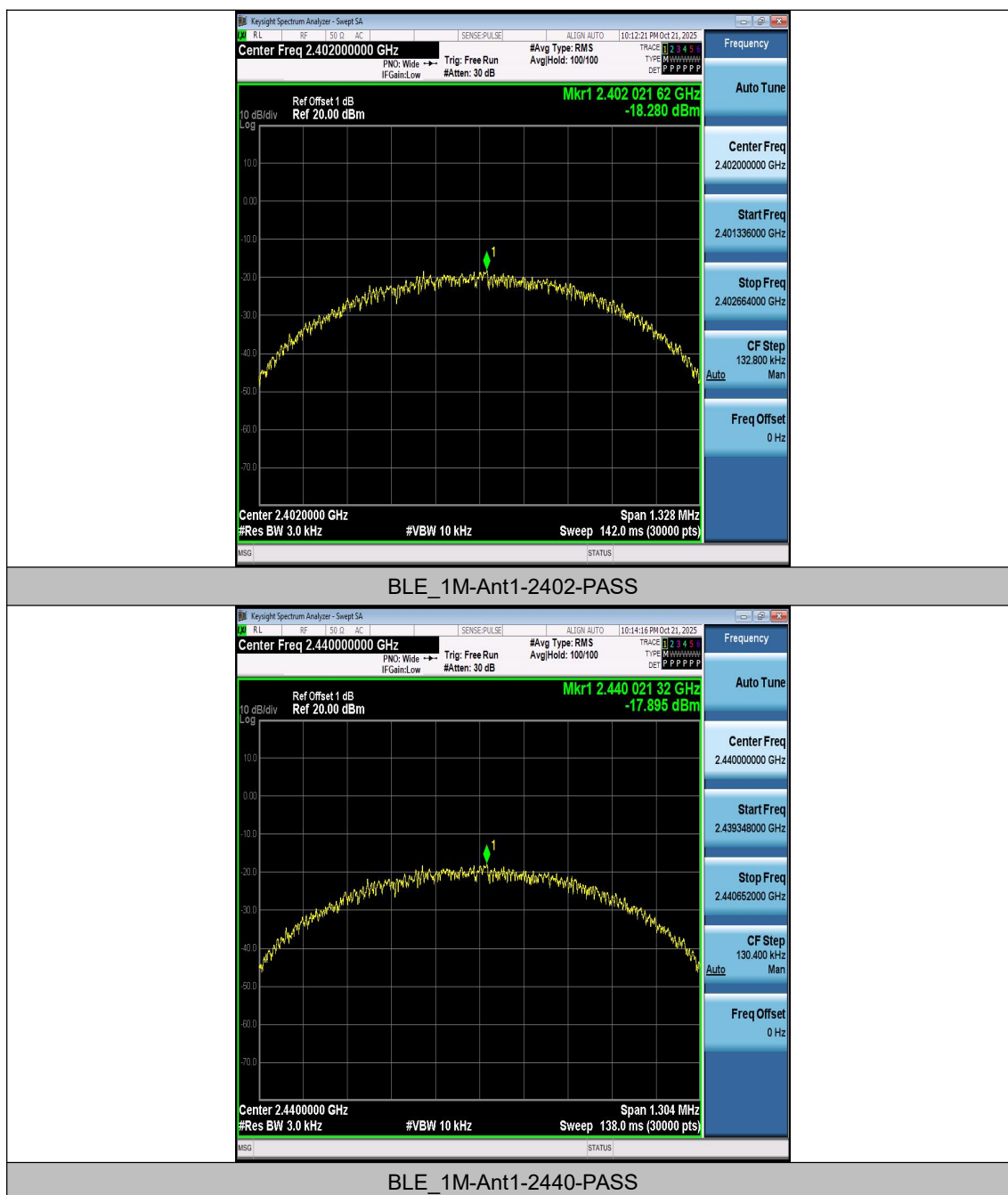
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.28	≤8.00	PASS
BLE_1M	Ant1	2440	-17.90	≤8.00	PASS
BLE_1M	Ant1	2480	-17.77	≤8.00	PASS

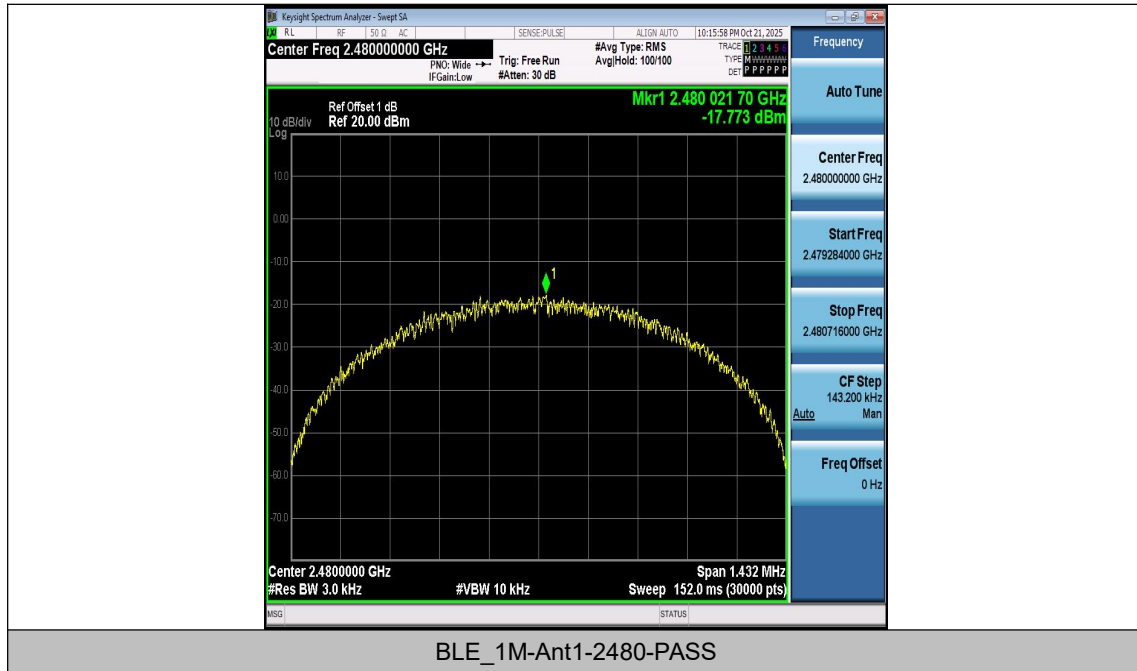
Test Graphs



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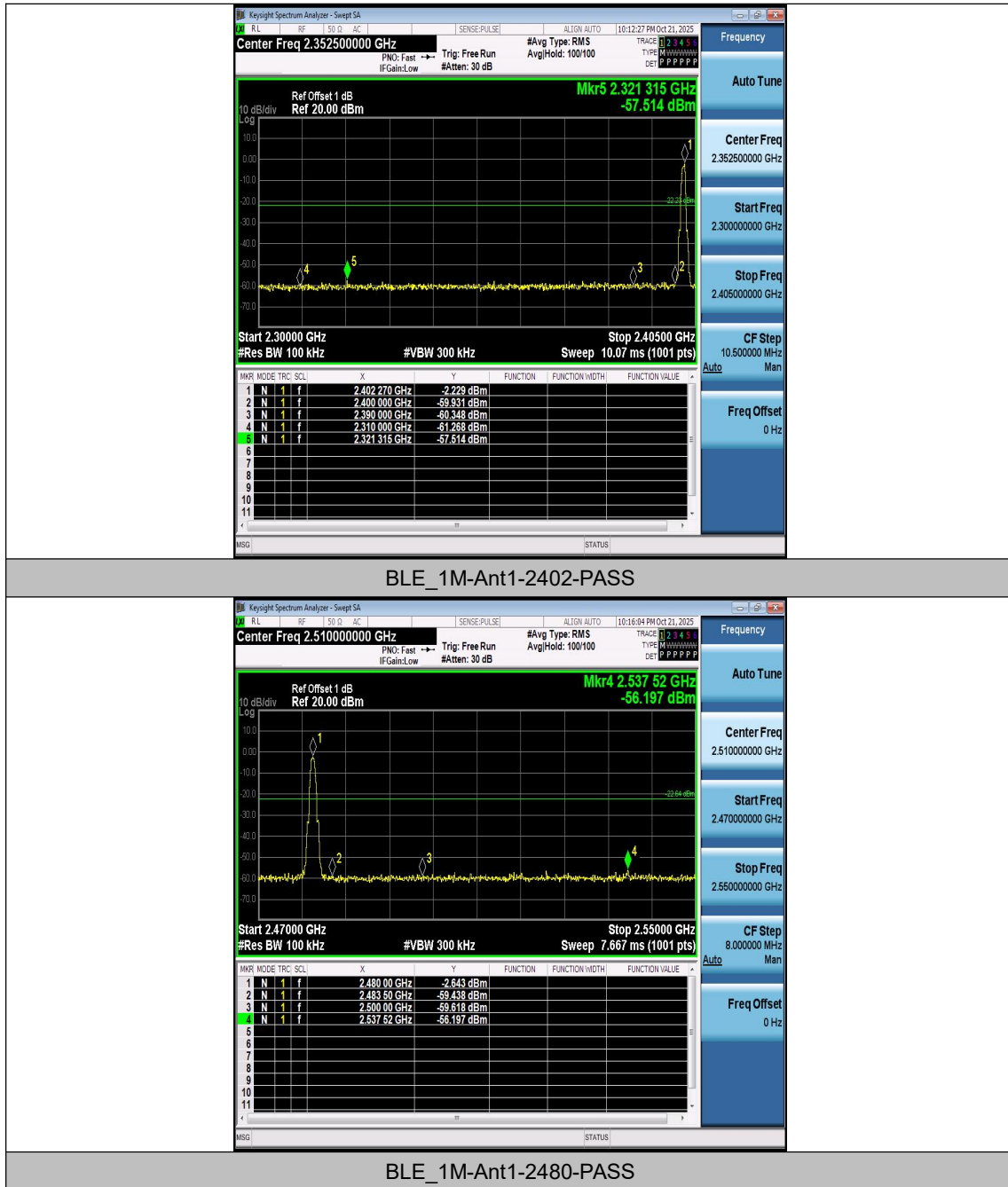
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.23	-57.51	≤-22.23	PASS
BLE_1M	Ant1	High	2480	-2.64	-56.2	≤-22.64	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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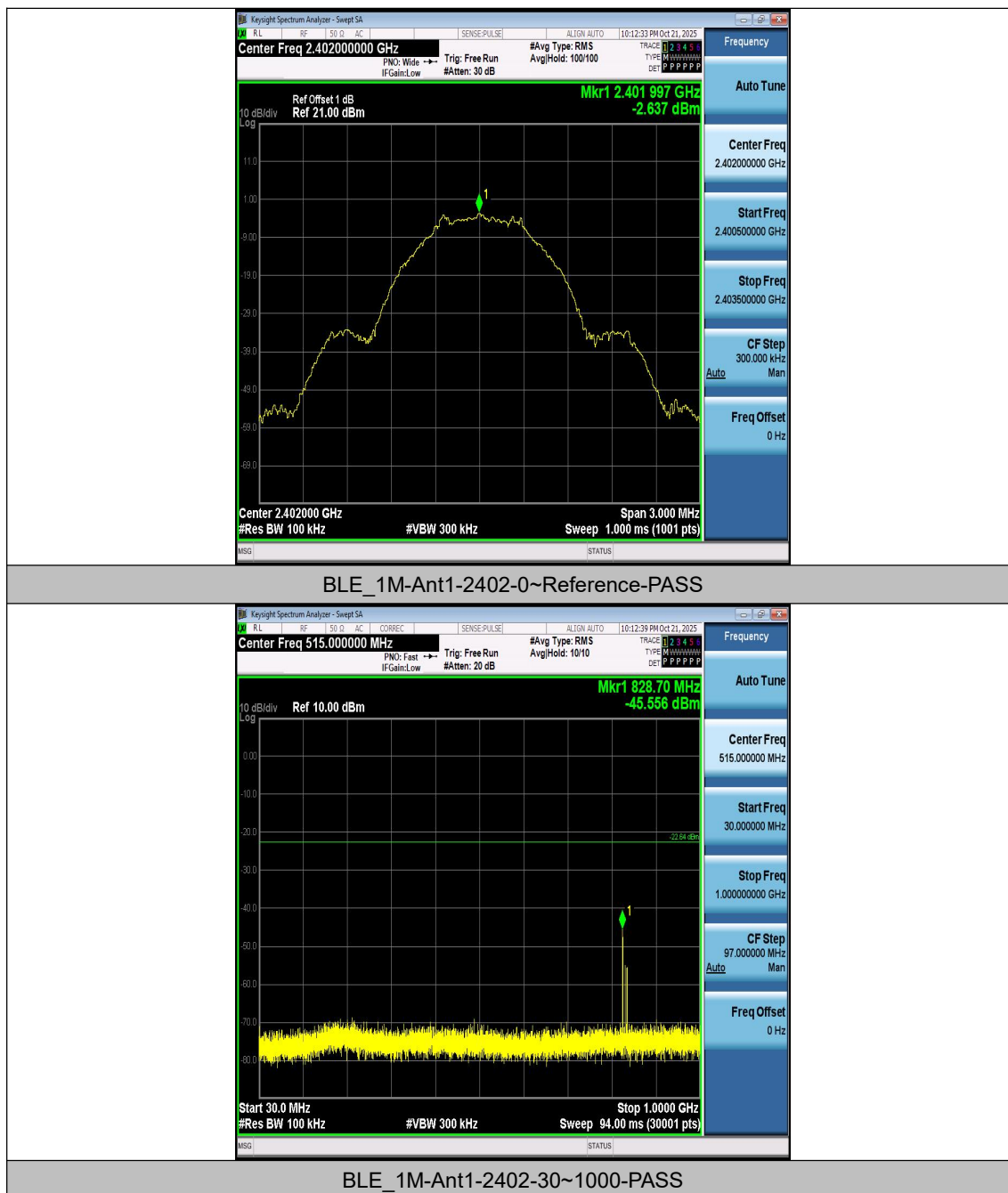
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.64	-2.64	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.64	-45.56	≤-22.64	PASS
BLE_1M	Ant1	2402	1000~26500	-2.64	-54.06	≤-22.64	PASS
BLE_1M	Ant1	2440	0~Reference	-2.78	-2.78	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.78	-67.98	≤-22.78	PASS
BLE_1M	Ant1	2440	1000~26500	-2.78	-54.13	≤-22.78	PASS
BLE_1M	Ant1	2480	0~Reference	-1.76	-1.76	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.76	-67.57	≤-21.76	PASS
BLE_1M	Ant1	2480	1000~26500	-1.76	-54.07	≤-21.76	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.

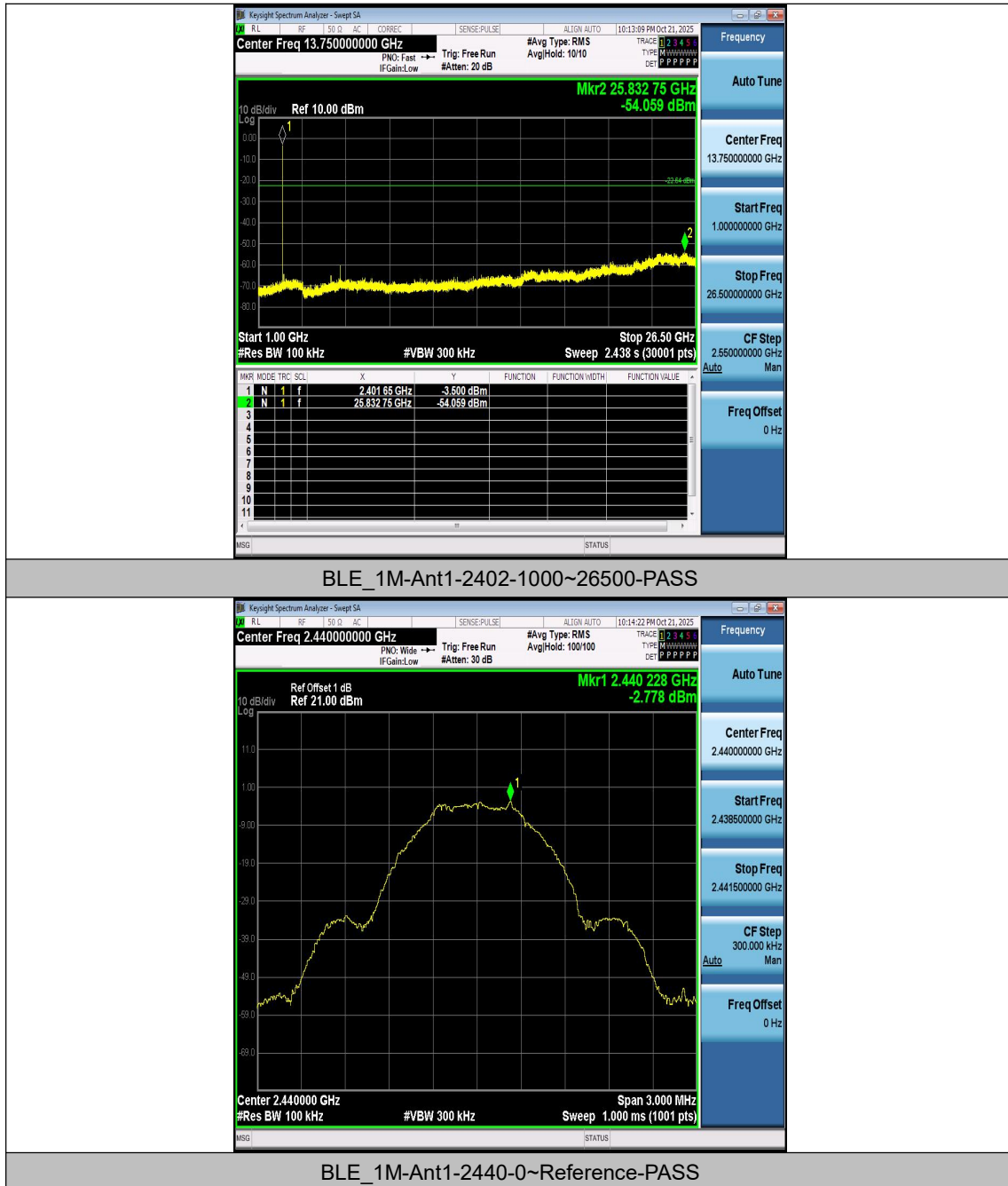
Test Graphs



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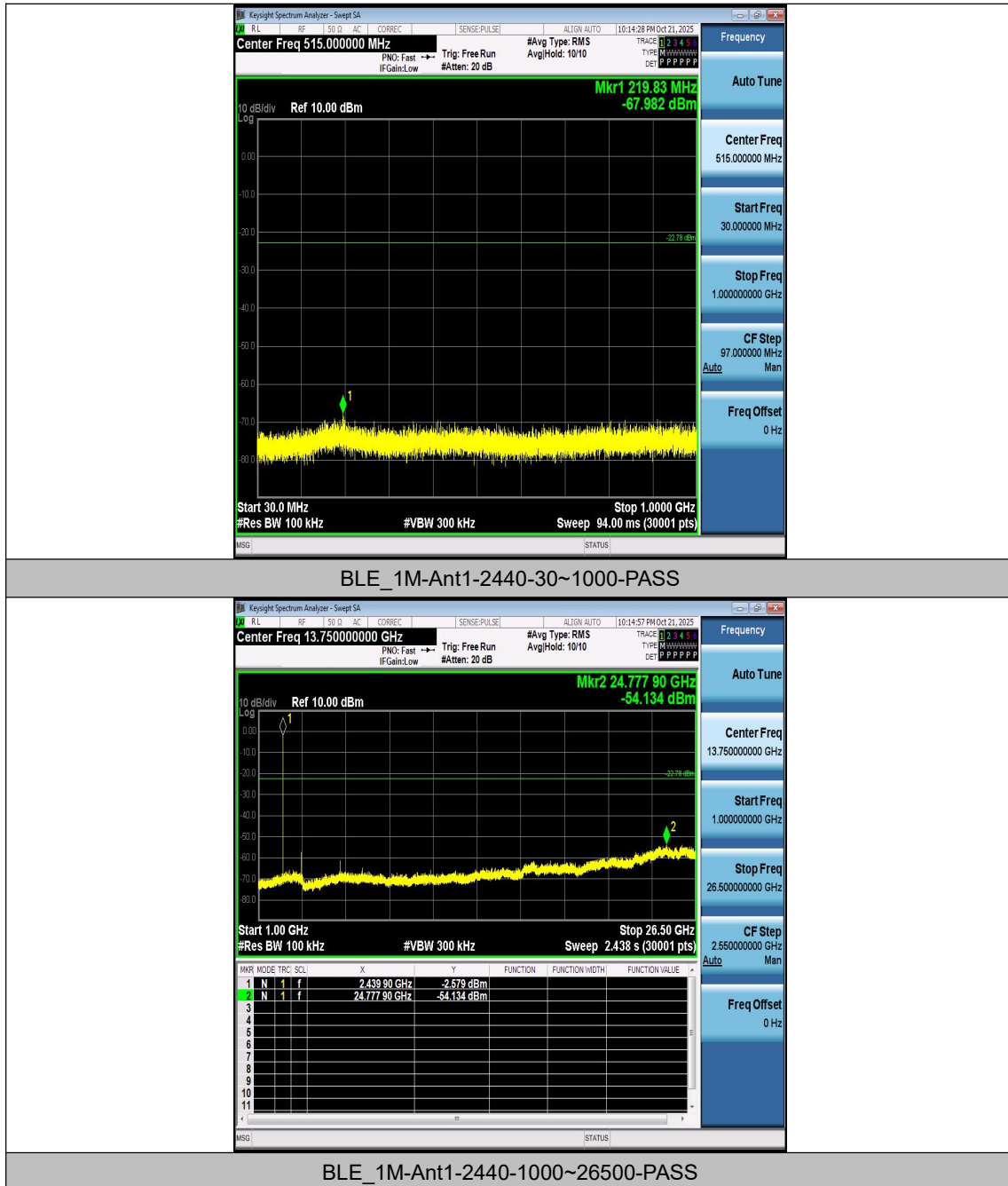
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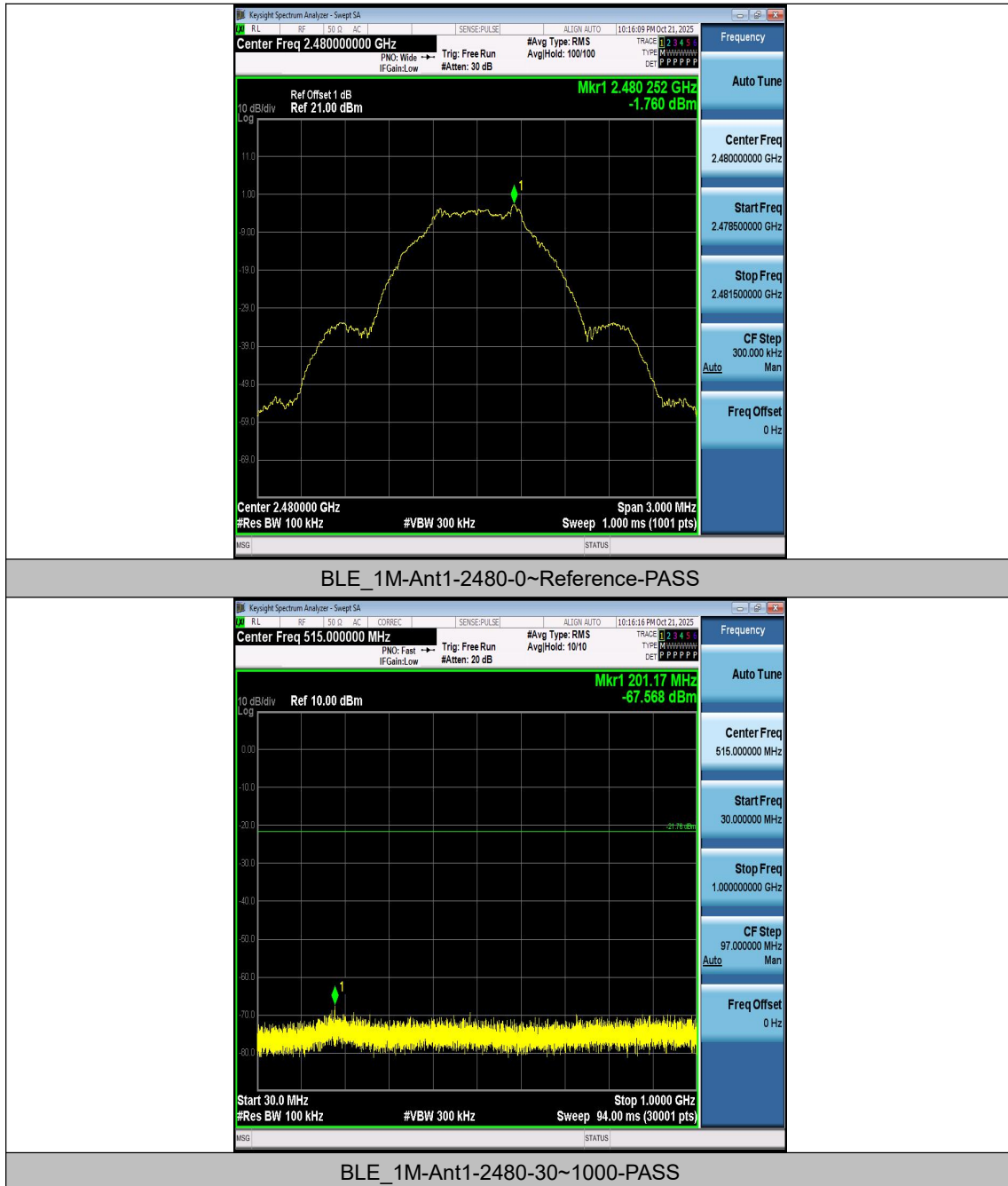
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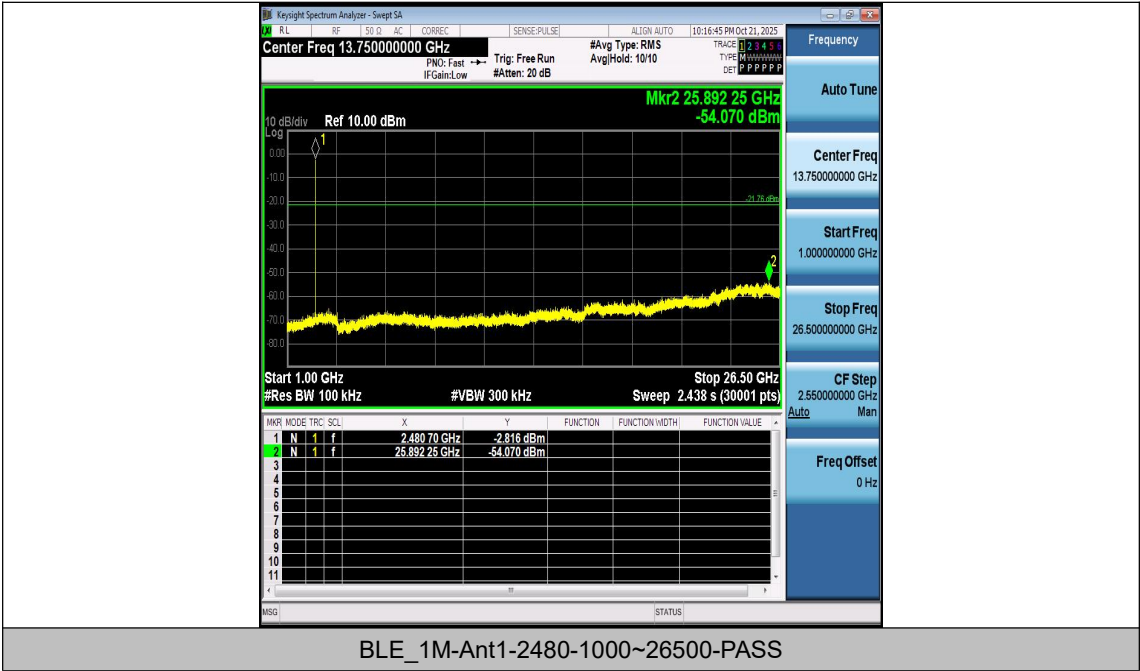
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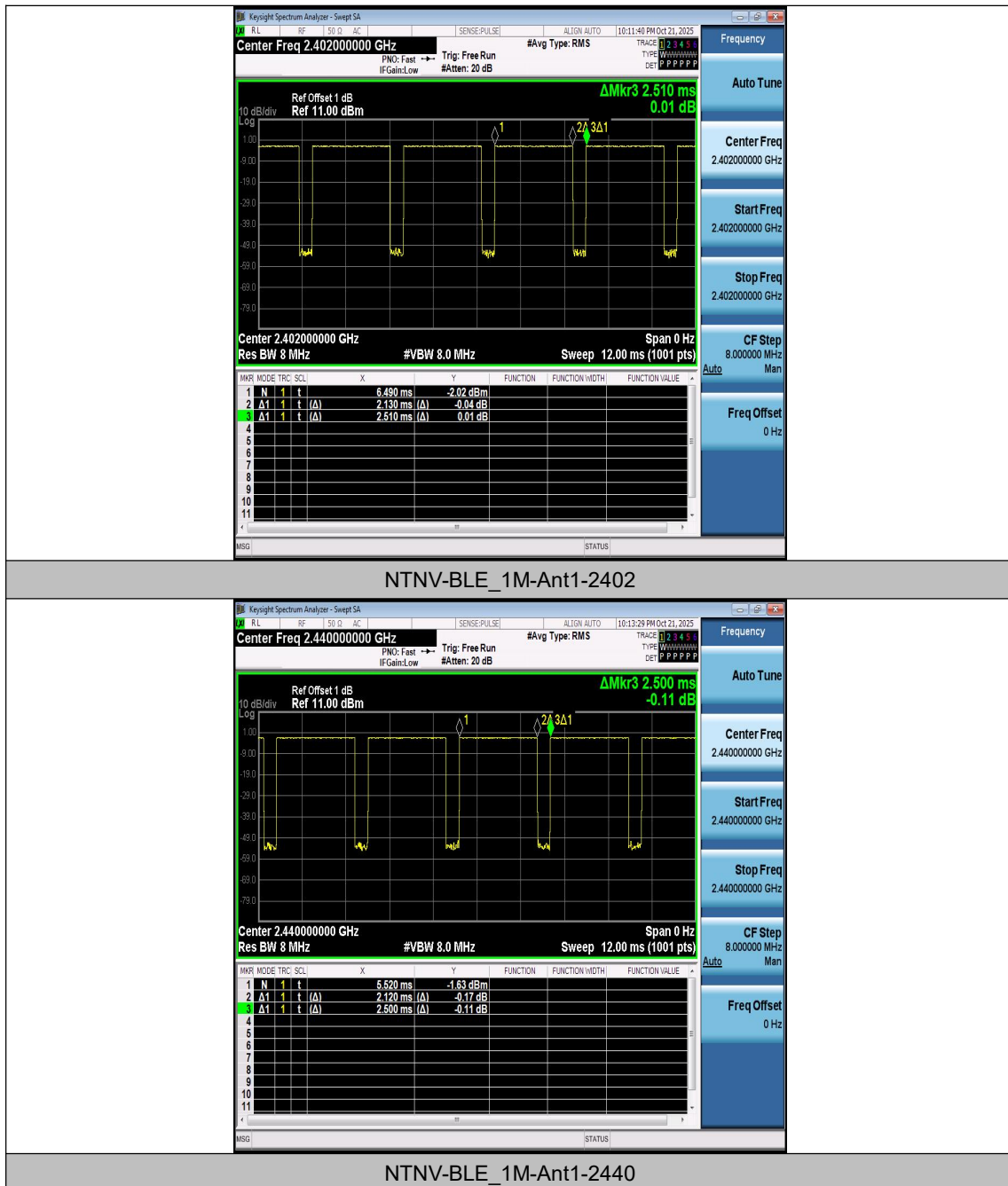
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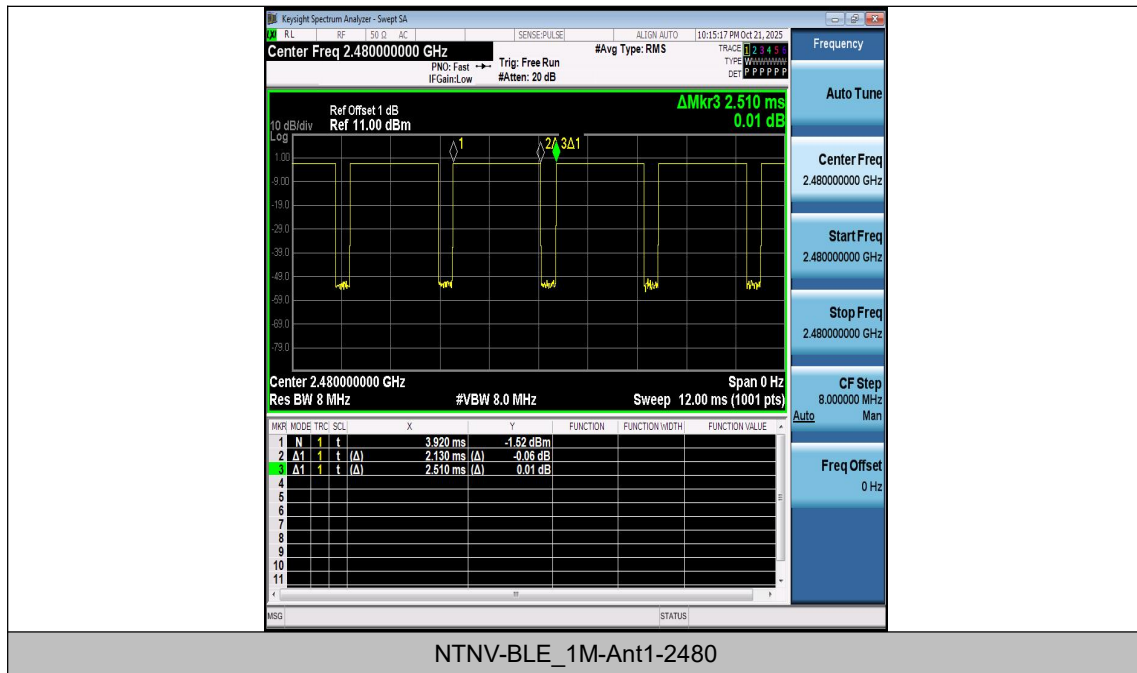
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2440	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71

Test Graphs





---End---

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