

Appendix Test Data

Report No.:	1812C50047112501	Test Sample No.:	1-2-2
Start Test Date:	2025.02.26	Finish Test Date:	2025.02.26
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.5°C	Relative Humidity:	50%
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	0.636	2401.708	2402.024	0.5	PASS
BLE_1M	Ant1	2440	0.640	2439.716	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.640	2479.708	2480.348	0.5	PASS



Test Graphs





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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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Appendix B: 99% Occupied Bandwidth

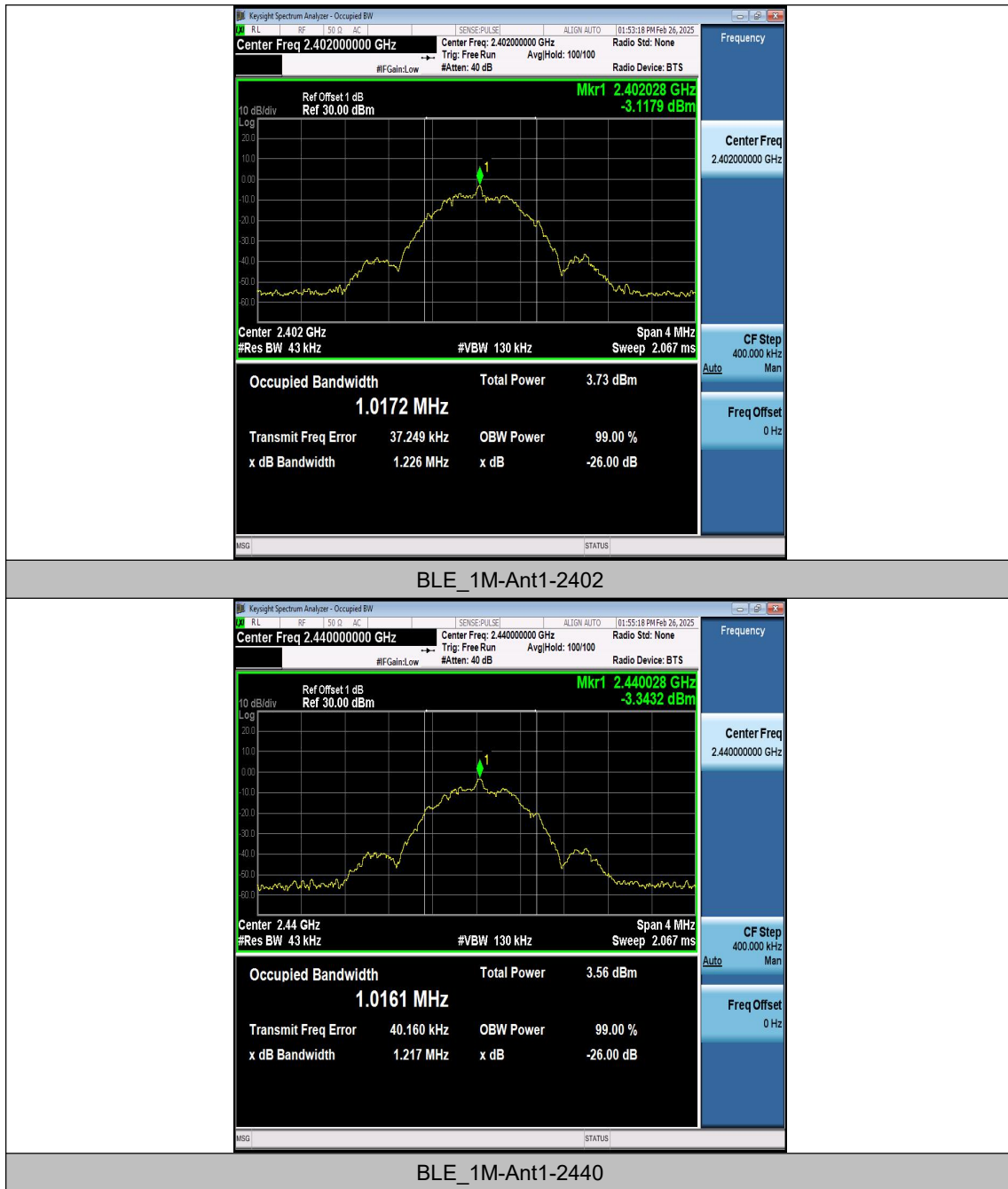
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0172	2401.5287	2402.5459	---	---
BLE_1M	Ant1	2440	1.0161	2439.5321	2440.5482	---	---
BLE_1M	Ant1	2480	1.0143	2479.5336	2480.5479	---	---

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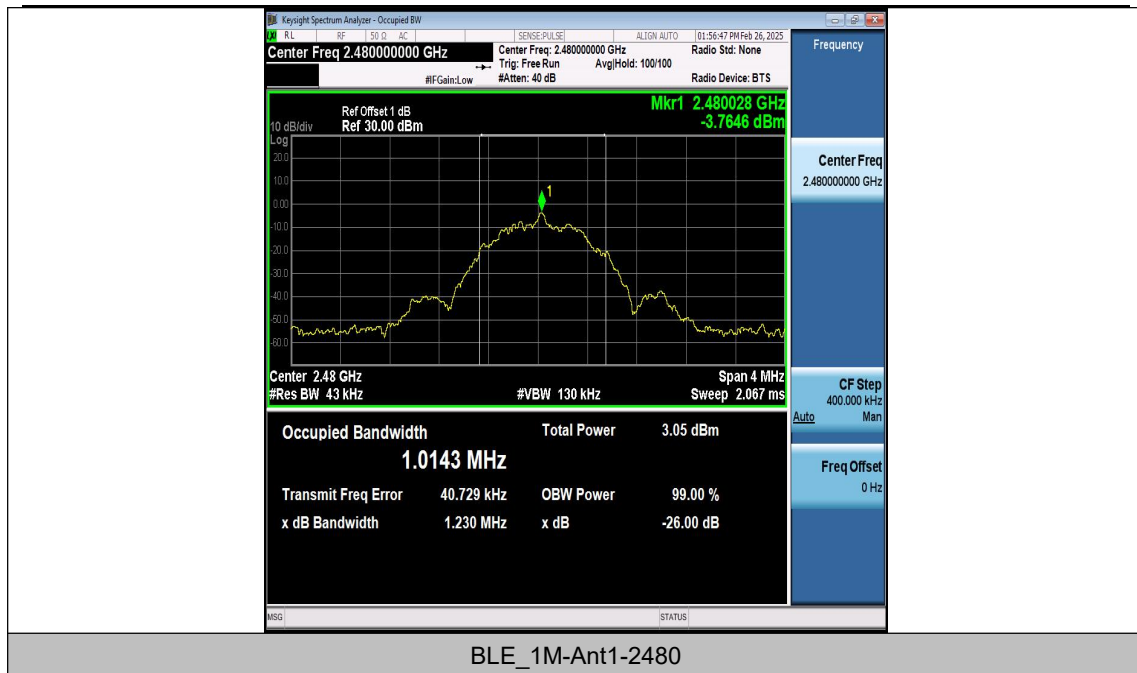
Test Graphs



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BLE_1M-Ant1-2480

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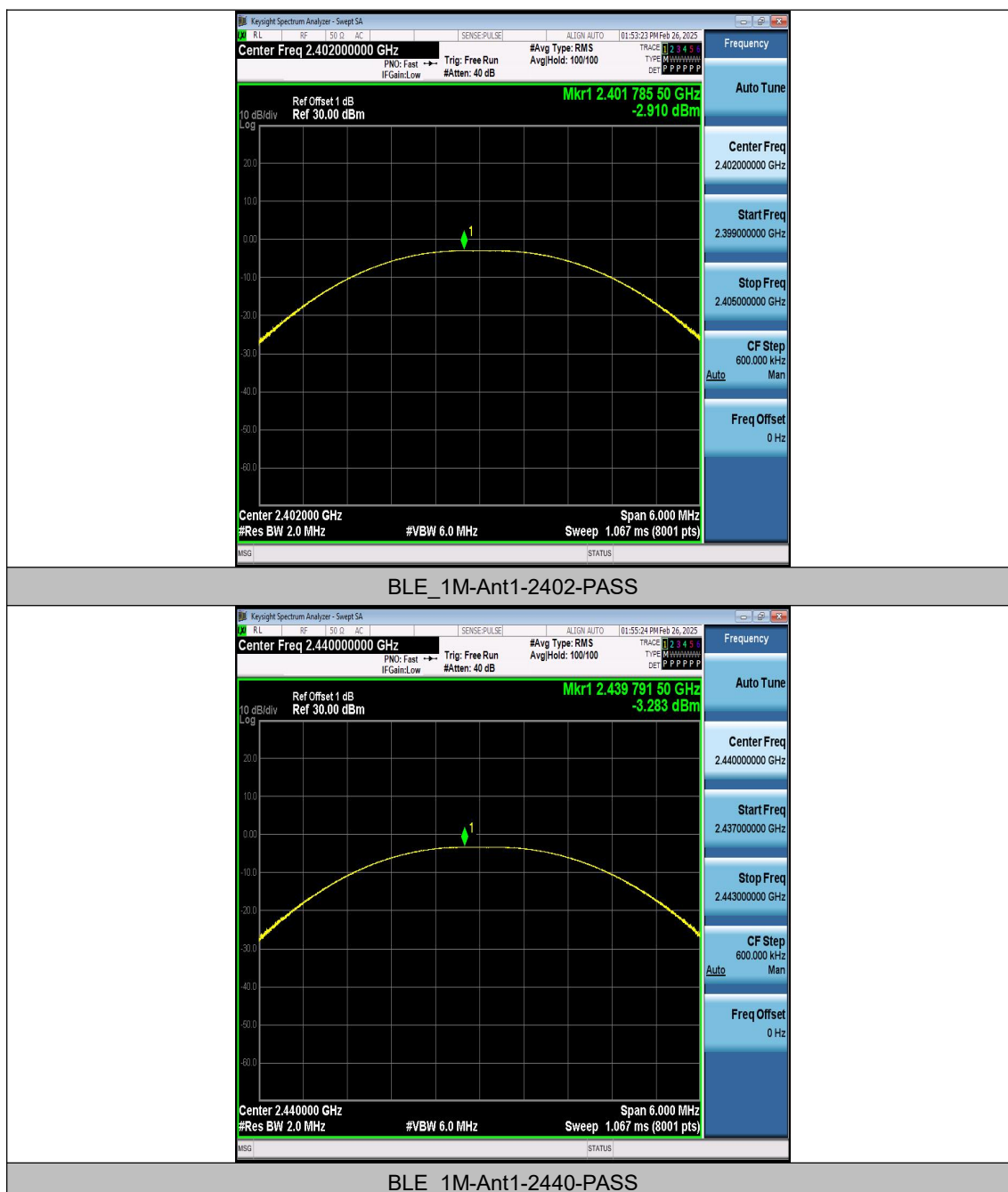
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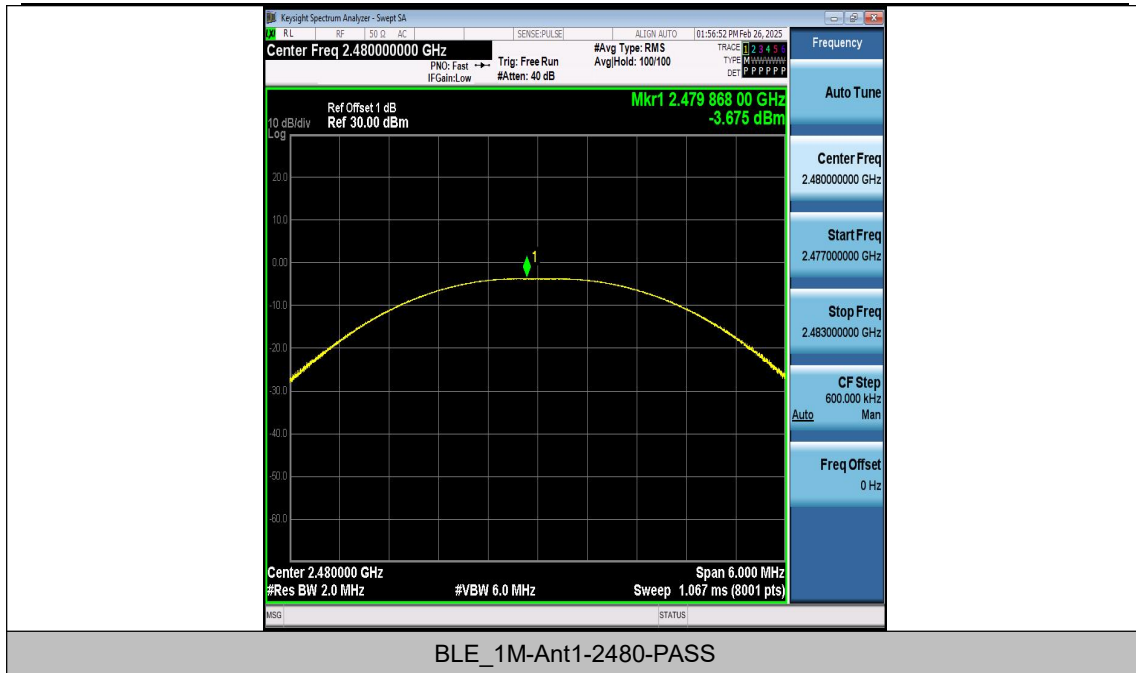
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.91	≤30	PASS
BLE_1M	Ant1	2440	-3.28	≤30	PASS
BLE_1M	Ant1	2480	-3.68	≤30	PASS

Test Graphs Peak





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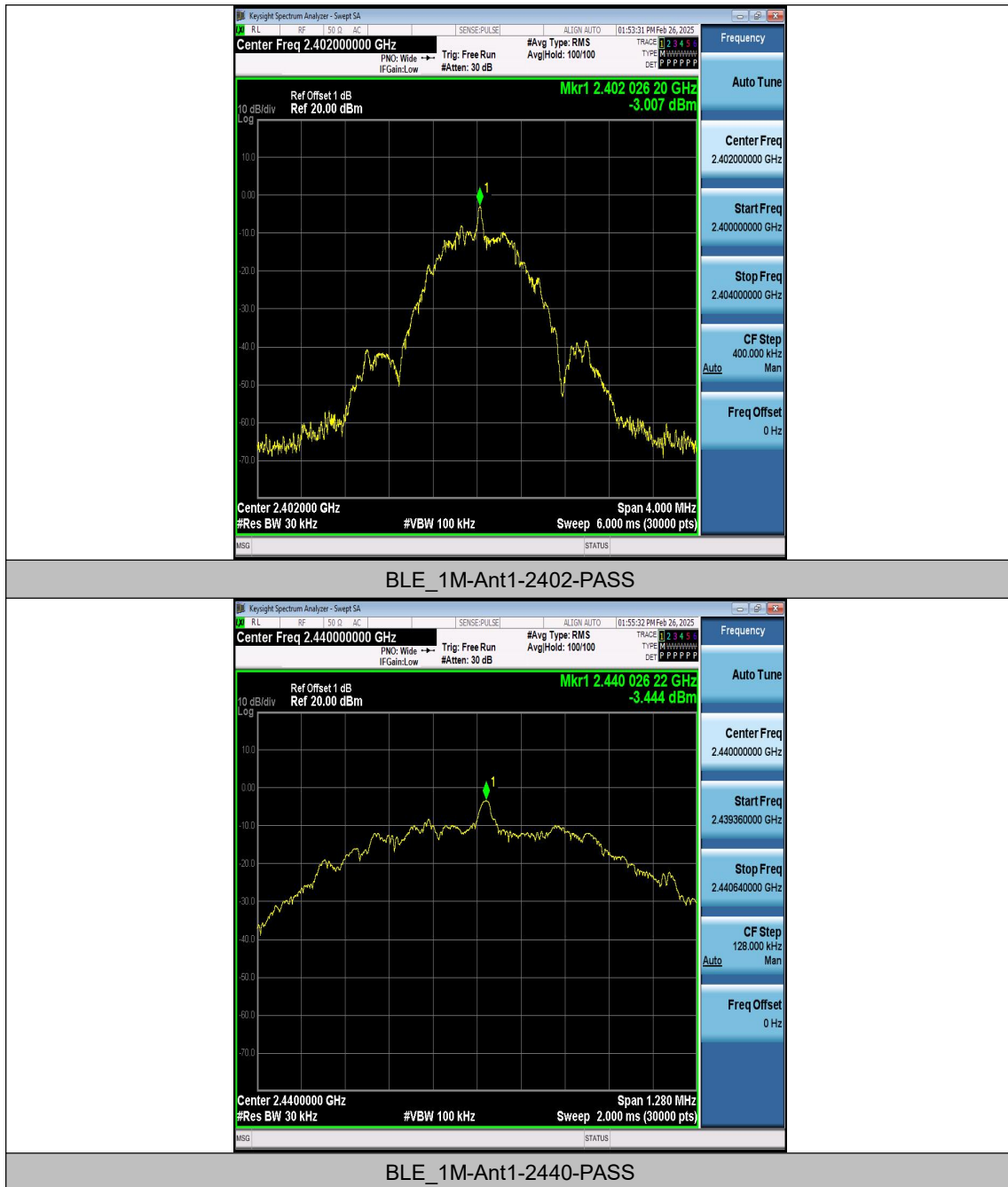
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-3.01	≤8.00	PASS
BLE_1M	Ant1	2440	-3.44	≤8.00	PASS
BLE_1M	Ant1	2480	-3.80	≤8.00	PASS



Test Graphs



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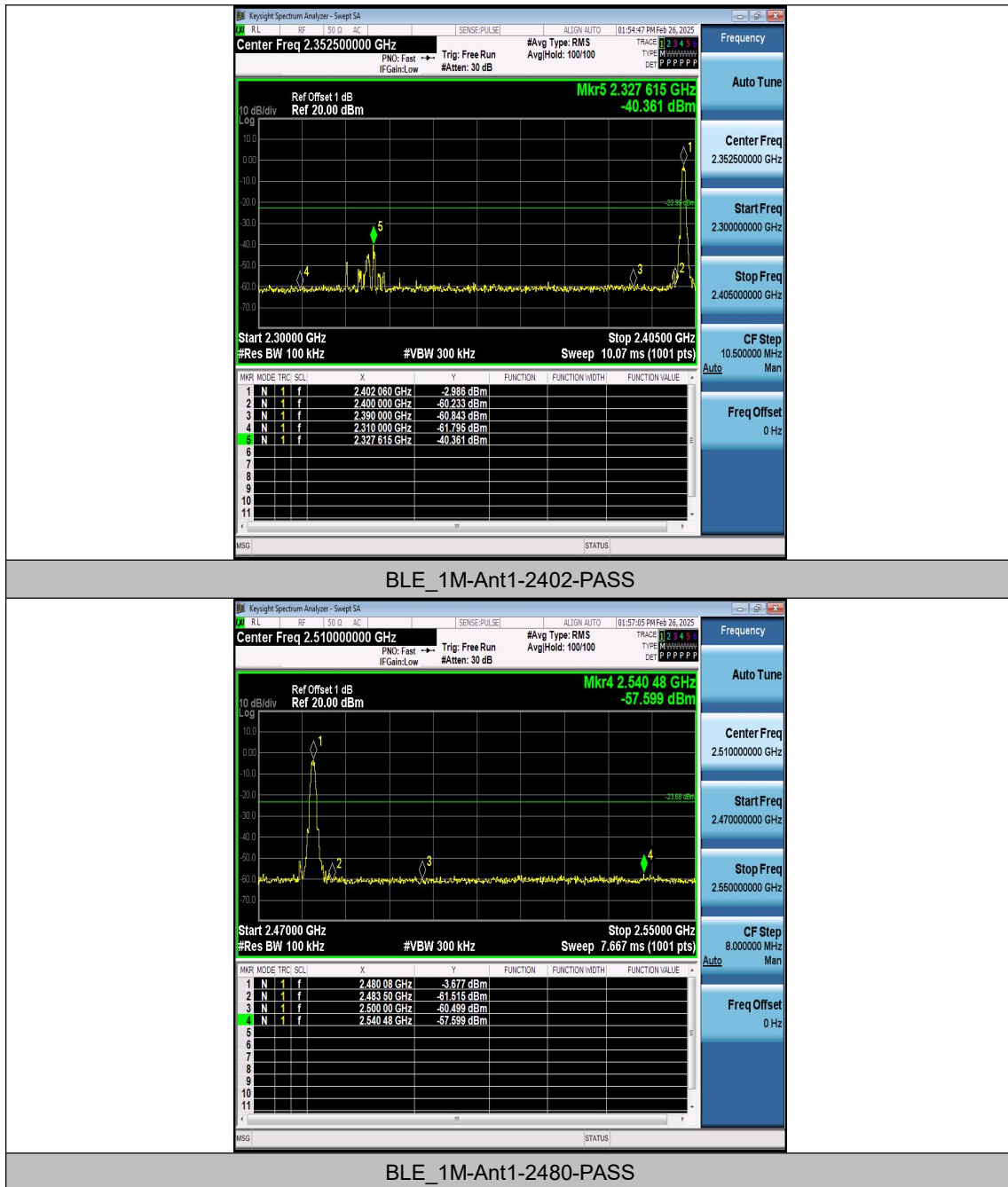
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.99	-40.36	≤ -22.99	PASS
BLE_1M	Ant1	High	2480	-3.68	-57.6	≤ -23.68	PASS



Test Graphs



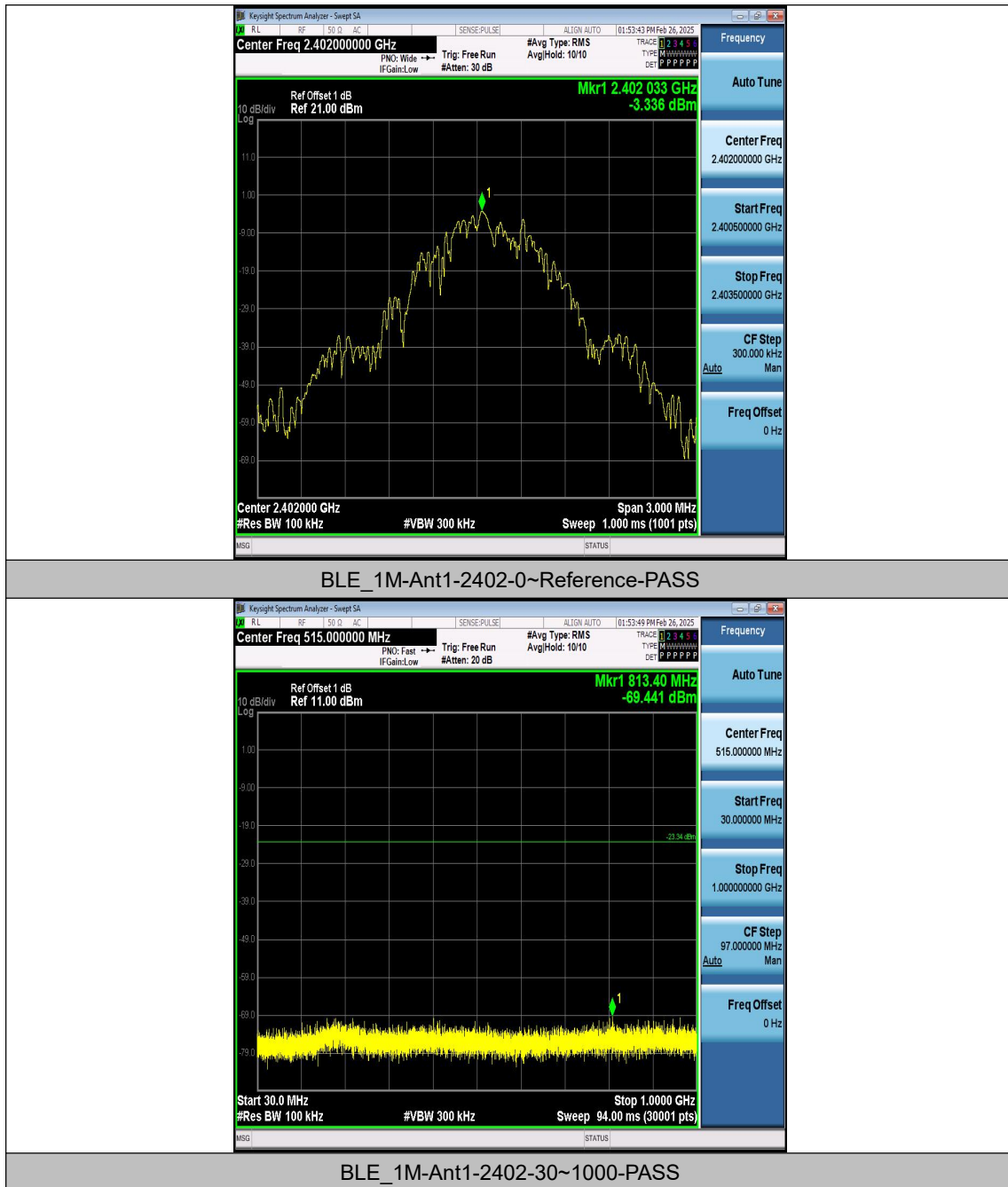
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.34	-3.34	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.34	-69.44	≤-23.34	PASS
BLE_1M	Ant1	2402	1000~26500	-3.34	-53.83	≤-23.34	PASS
BLE_1M	Ant1	2440	0~Reference	-3.44	-3.44	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.44	-69.13	≤-23.44	PASS
BLE_1M	Ant1	2440	1000~26500	-3.44	-53.61	≤-23.44	PASS
BLE_1M	Ant1	2480	0~Reference	-4.34	-4.34	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.34	-69.3	≤-24.34	PASS
BLE_1M	Ant1	2480	1000~26500	-4.34	-51.88	≤-24.34	PASS



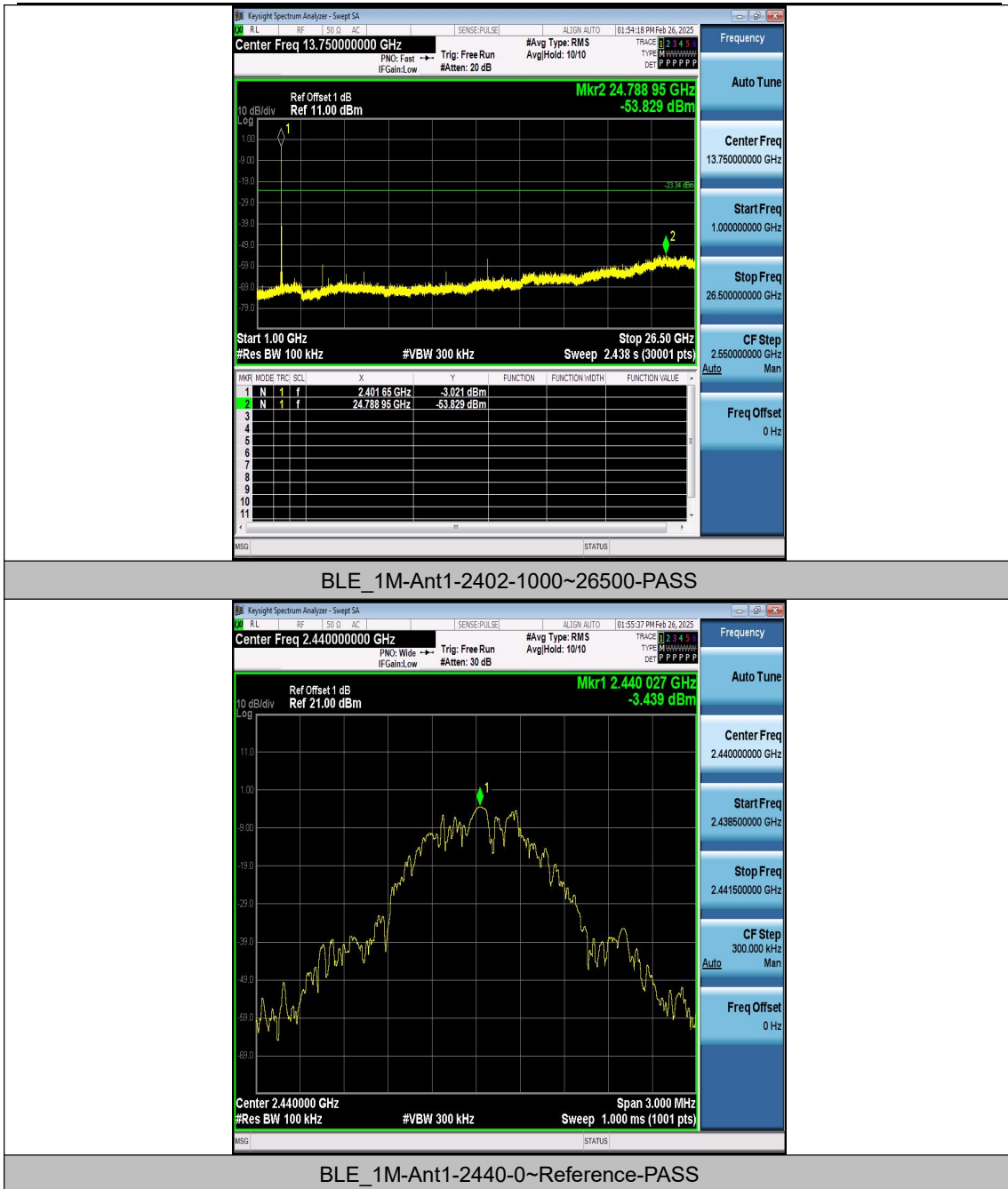
Test Graphs



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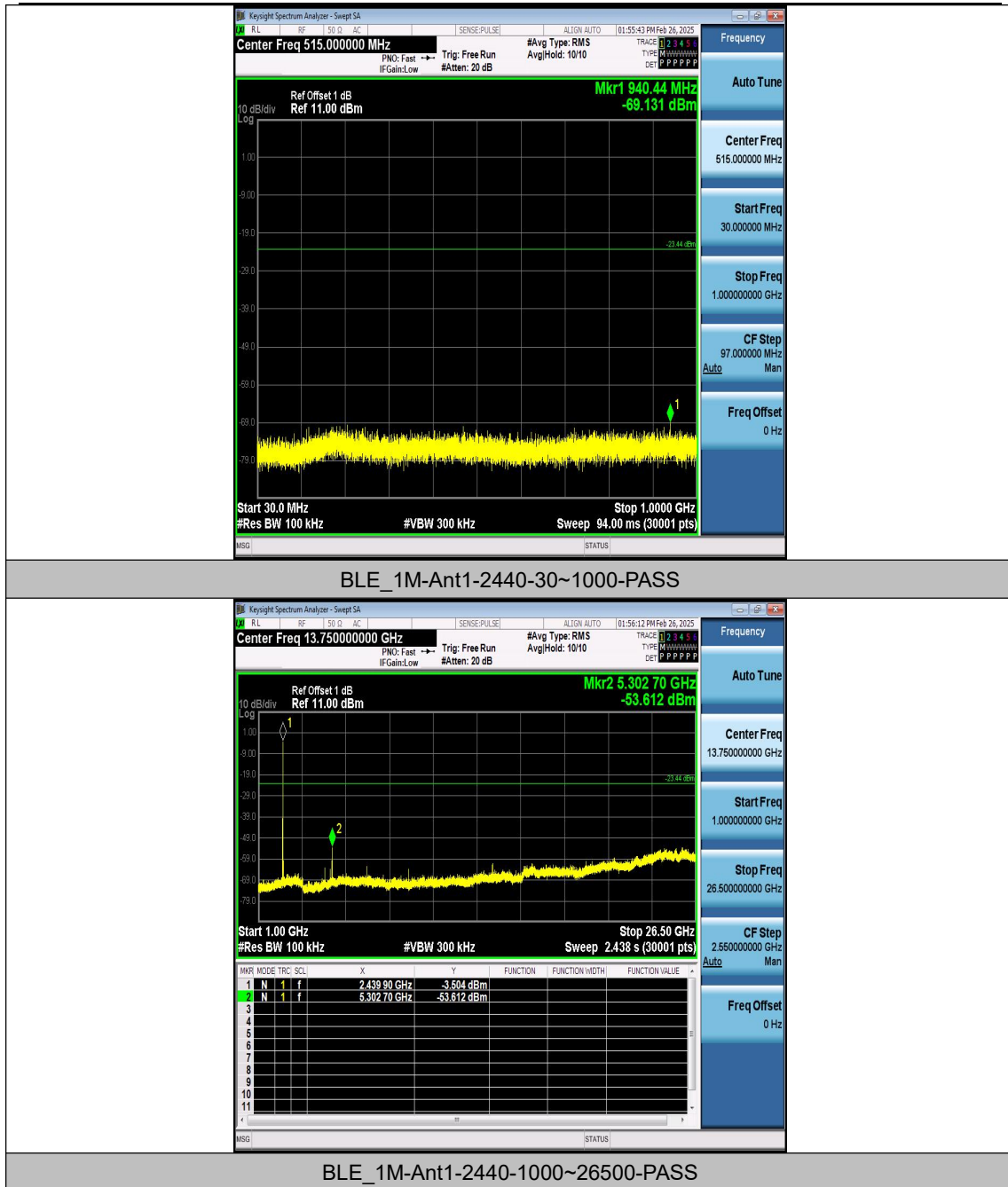
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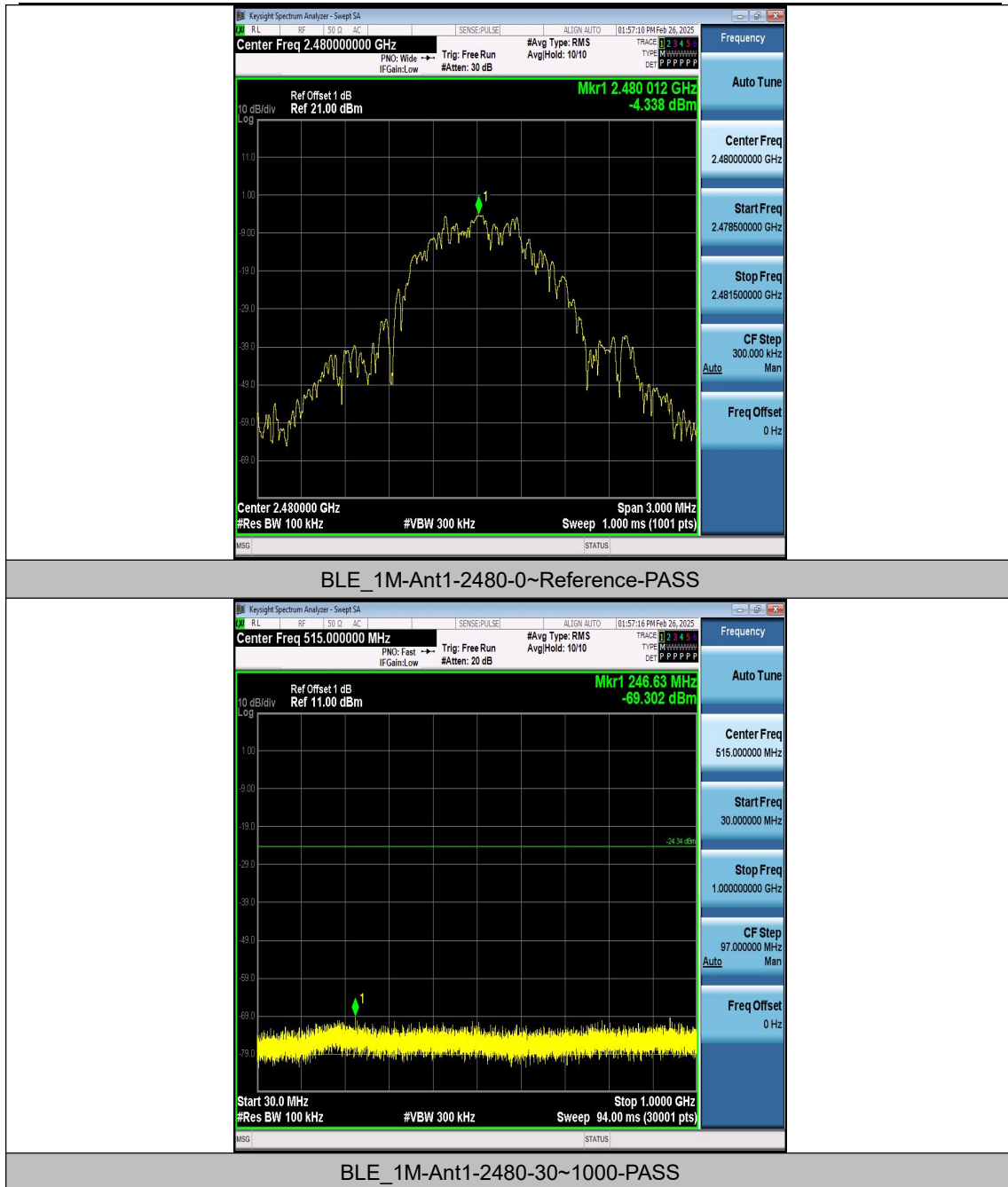


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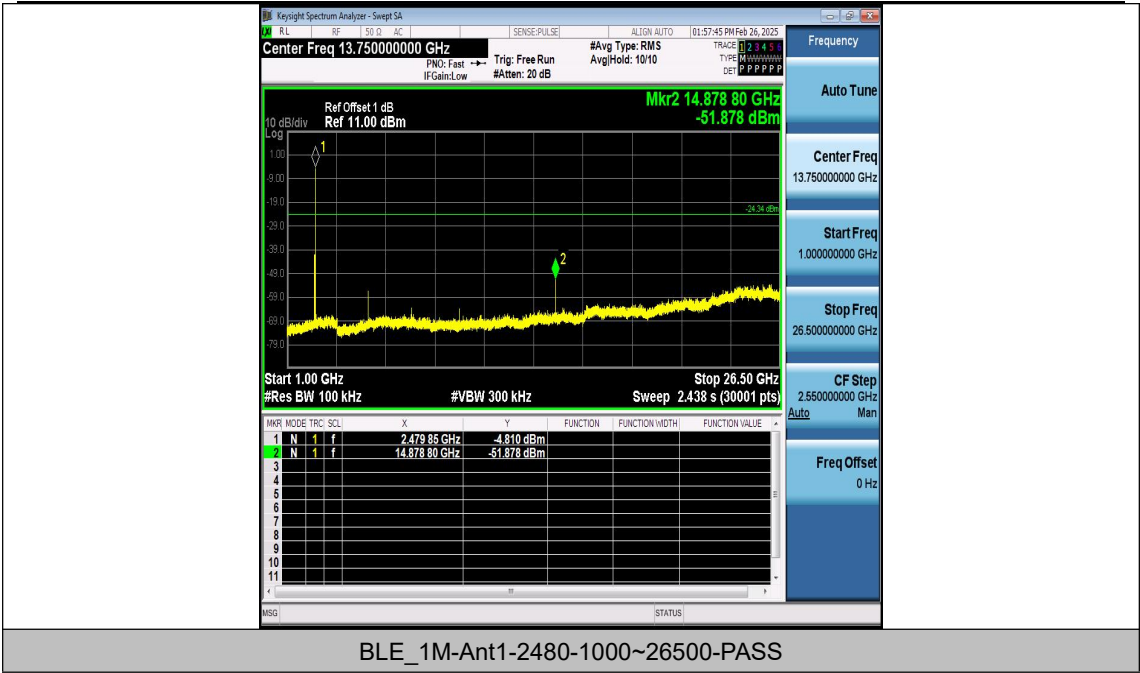


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BLE_1M-Ant1-2480-1000~26500-PASS

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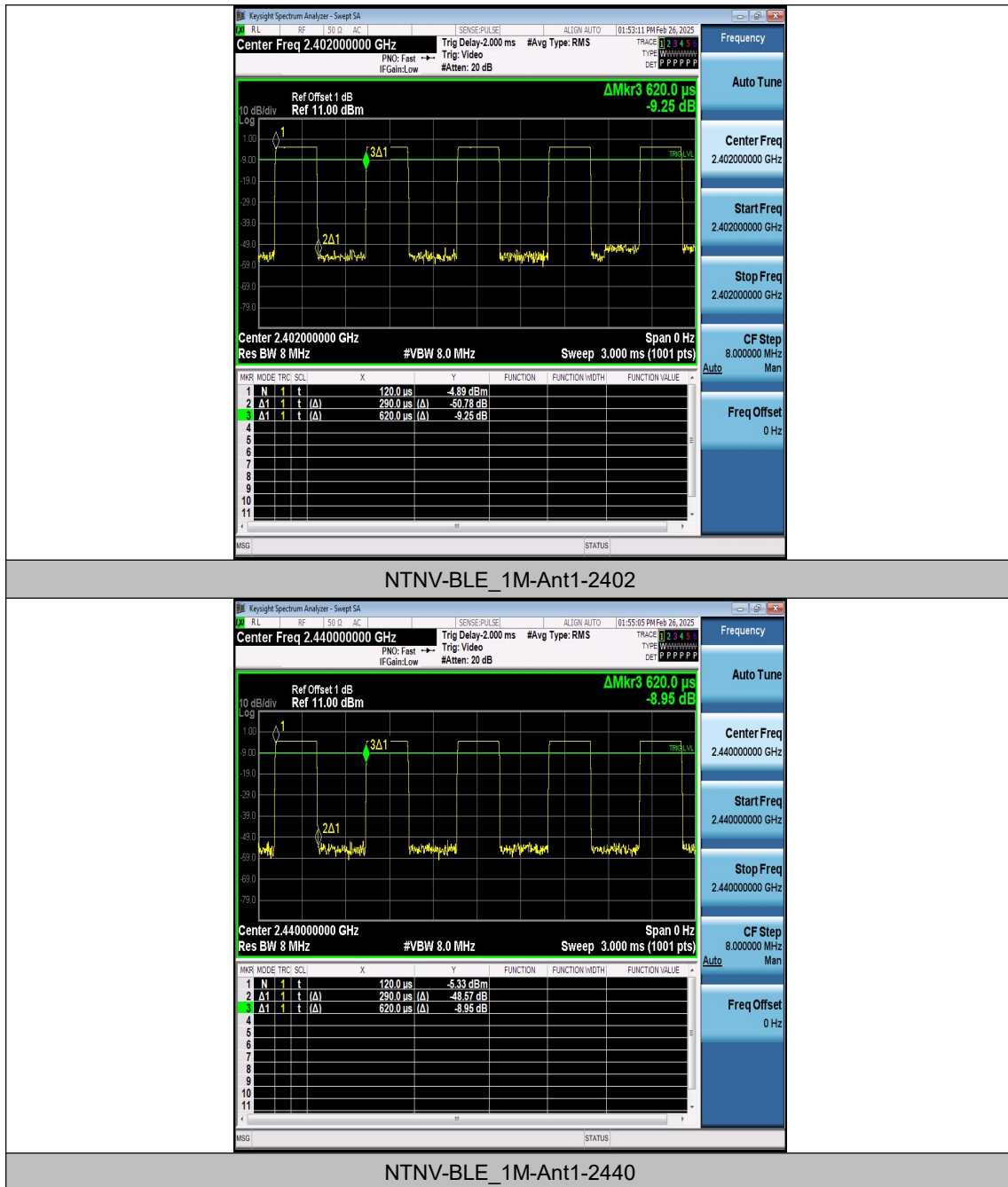
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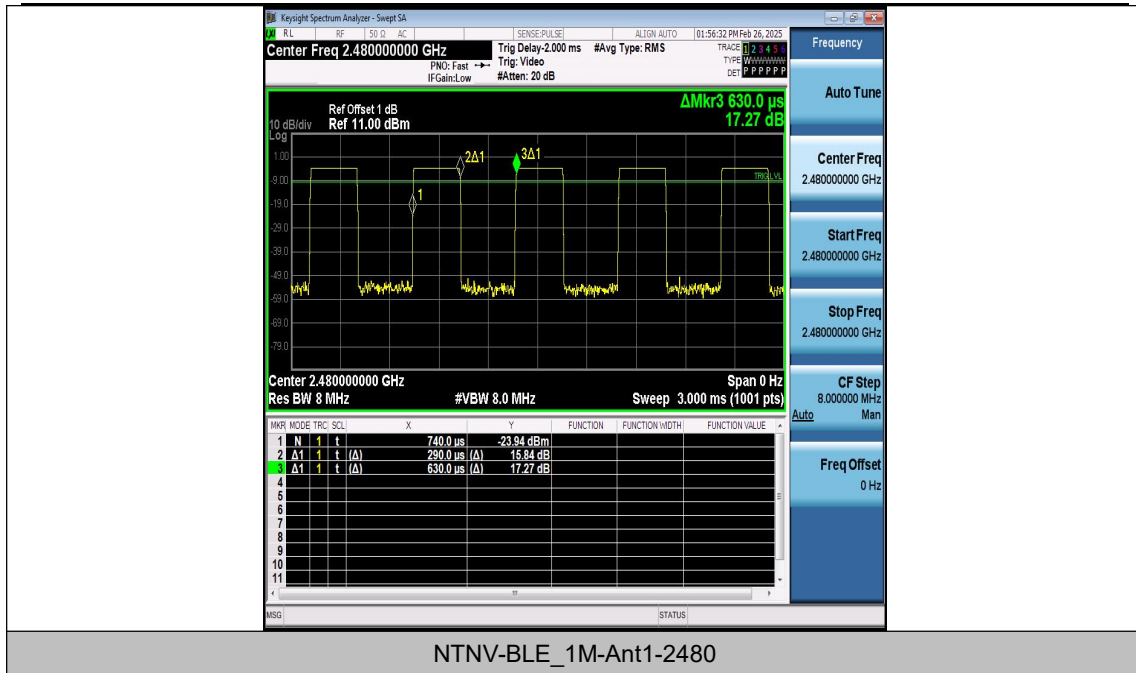
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.29	0.62	46.77	3.30
BLE_1M	Ant1	2440	0.29	0.62	46.77	3.30
BLE_1M	Ant1	2480	0.29	0.63	46.03	3.37

Test Graphs





NTNV-BLE_1M-Ant1-2480

---End---