

Appendix Test Data

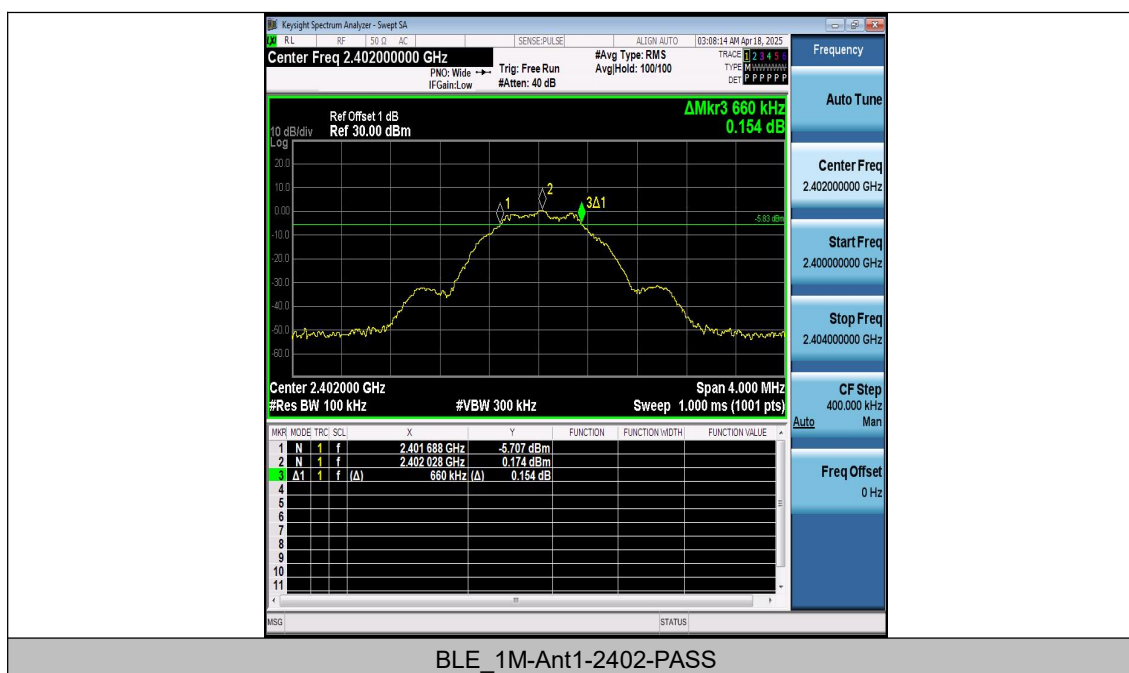
Report No.:	1812C50144412501	Test Sample No.:	1-2-2
Start Test Date:	2025-04-18	Finish Test Date:	2025-04-18
Test Engineer:	<i>Alex Reng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26°C	Relative Humidity:	48%
Pressure:	101kPa		

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	2401.688	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.632	2439.704	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.648	2479.688	2480.336	0.5	PASS

Test Graphs





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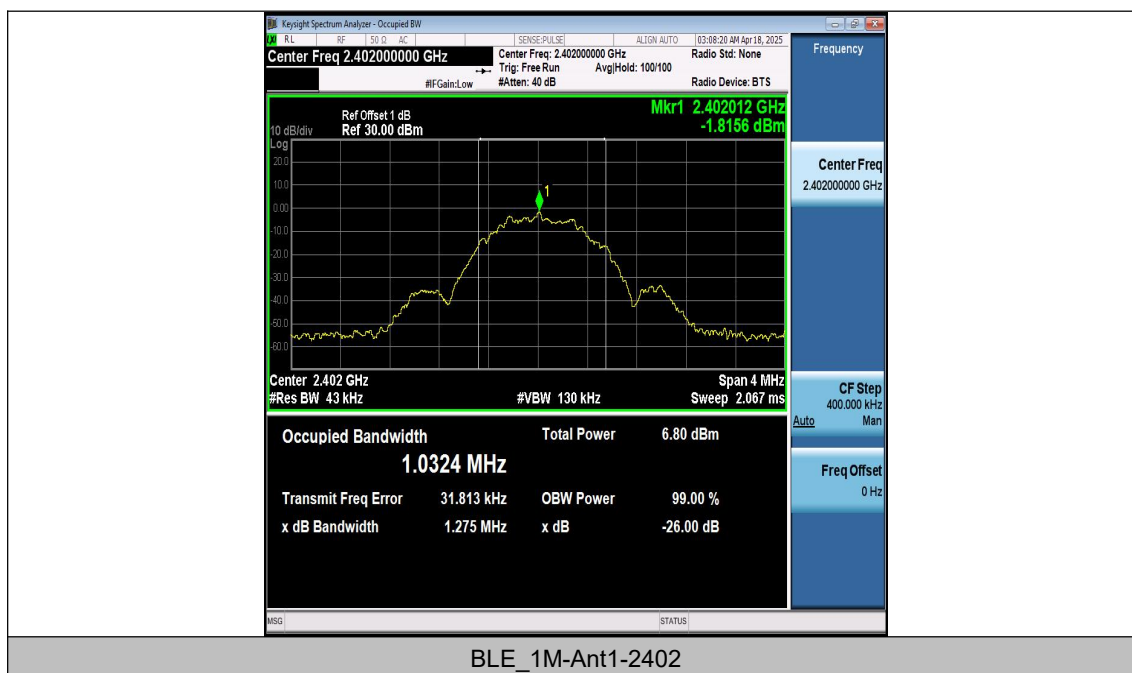
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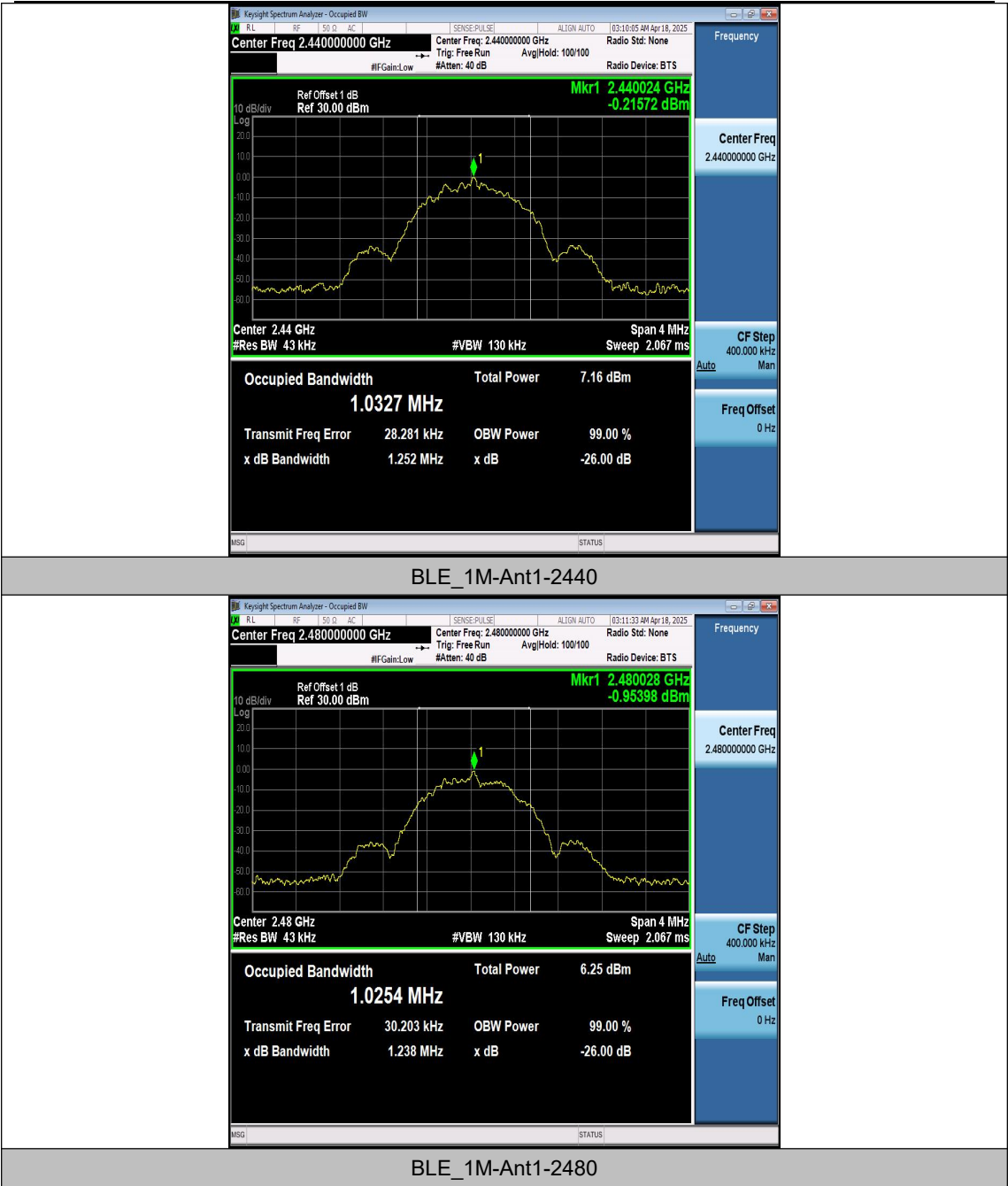
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0324	2401.5156	2402.5480	---	---
BLE_1M	Ant1	2440	1.0327	2439.5119	2440.5446	---	---
BLE_1M	Ant1	2480	1.0254	2479.5175	2480.5429	---	---

Test Graphs



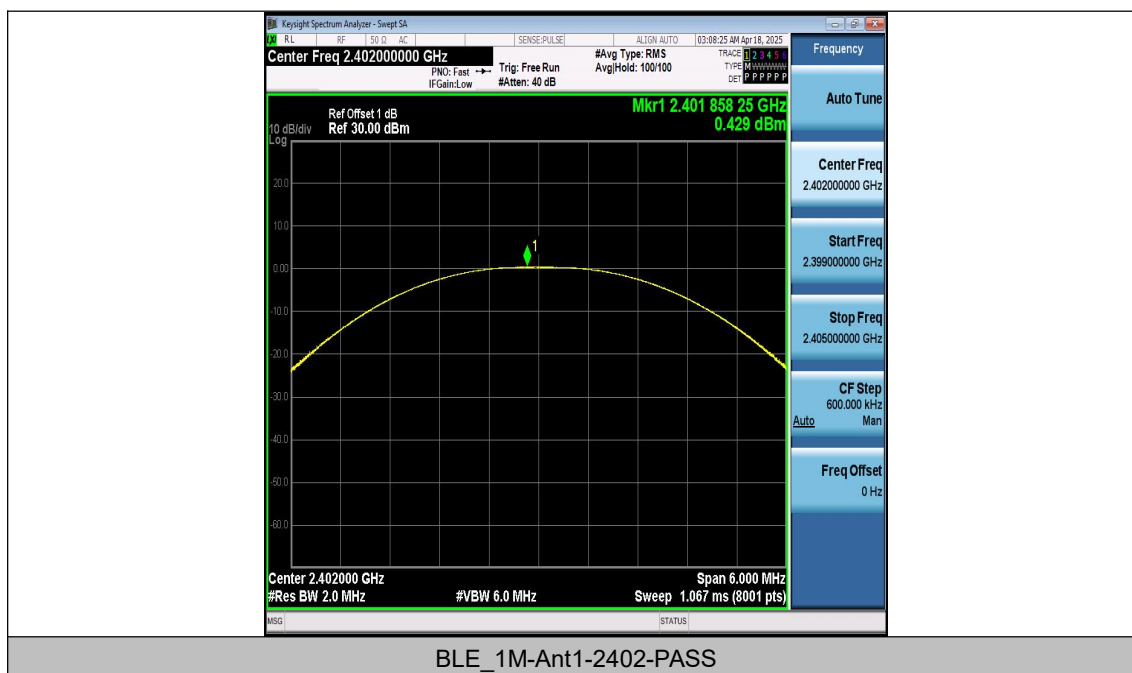


Appendix C: Maximum conducted output power

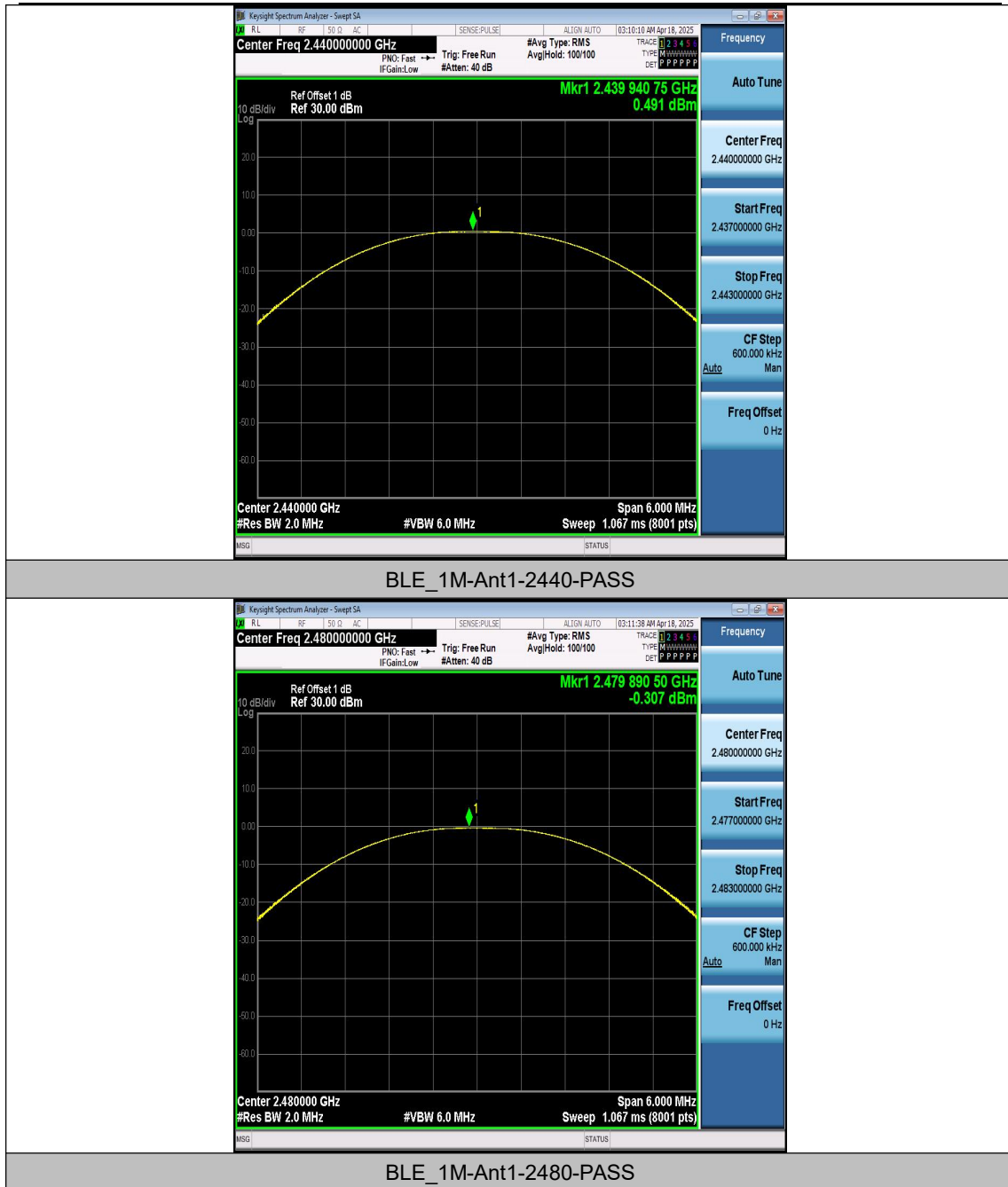
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.43	≤30	PASS
BLE_1M	Ant1	2440	0.49	≤30	PASS
BLE_1M	Ant1	2480	-0.31	≤30	PASS

Test Graphs Peak



BLE_1M-Ant1-2402-PASS



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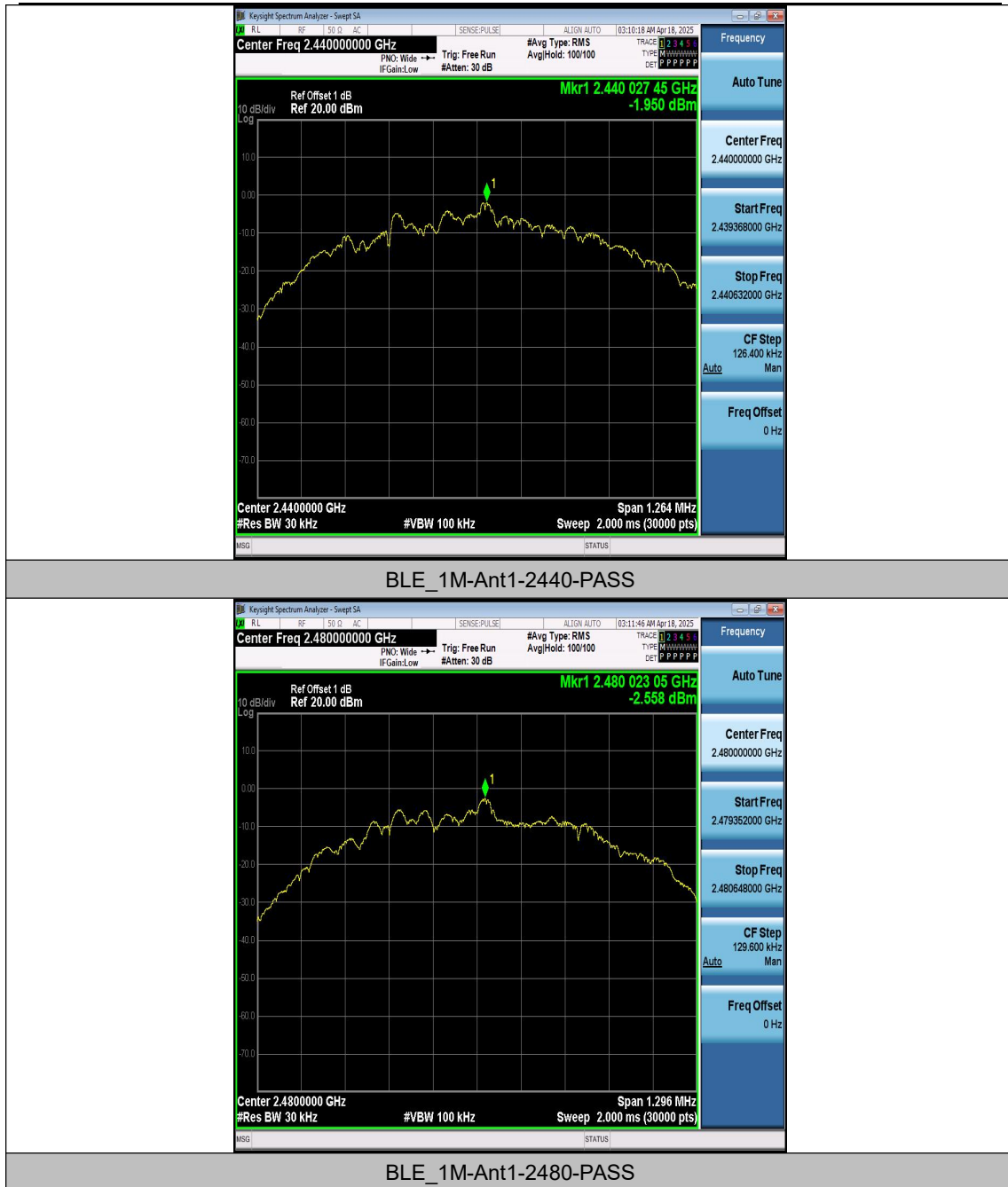
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-1.86	≤8.00	PASS
BLE_1M	Ant1	2440	-1.95	≤8.00	PASS
BLE_1M	Ant1	2480	-2.56	≤8.00	PASS

Test Graphs





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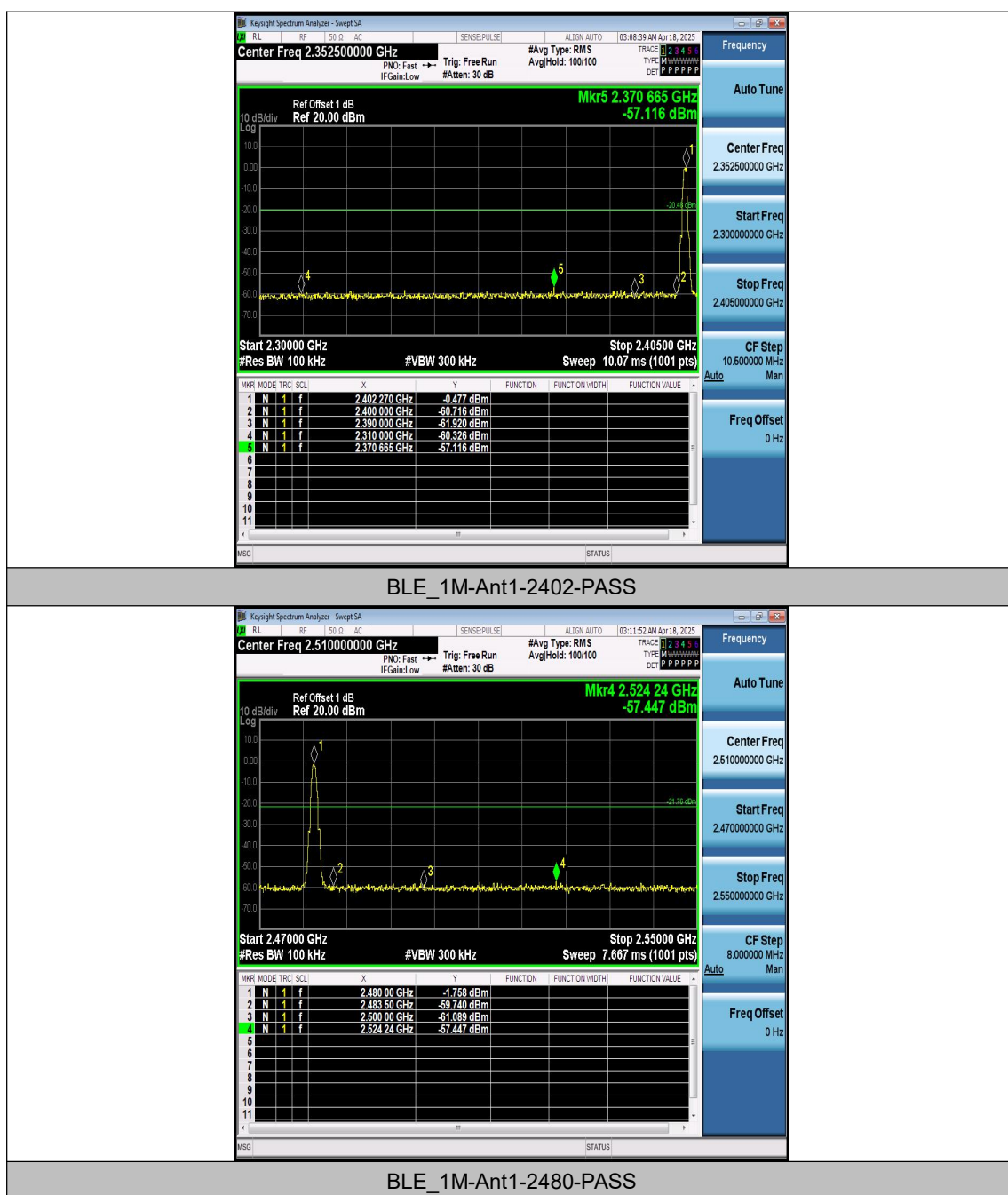
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.48	-57.12	≤-20.48	PASS
BLE_1M	Ant1	High	2480	-1.76	-57.45	≤-21.76	PASS

Test Graphs



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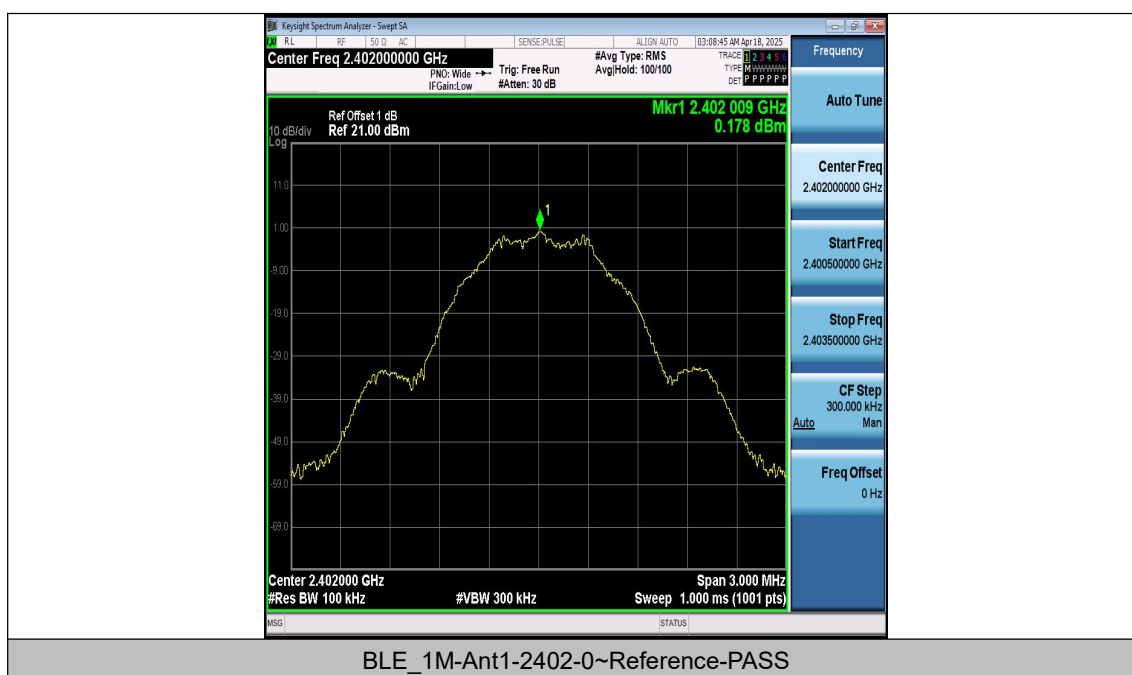
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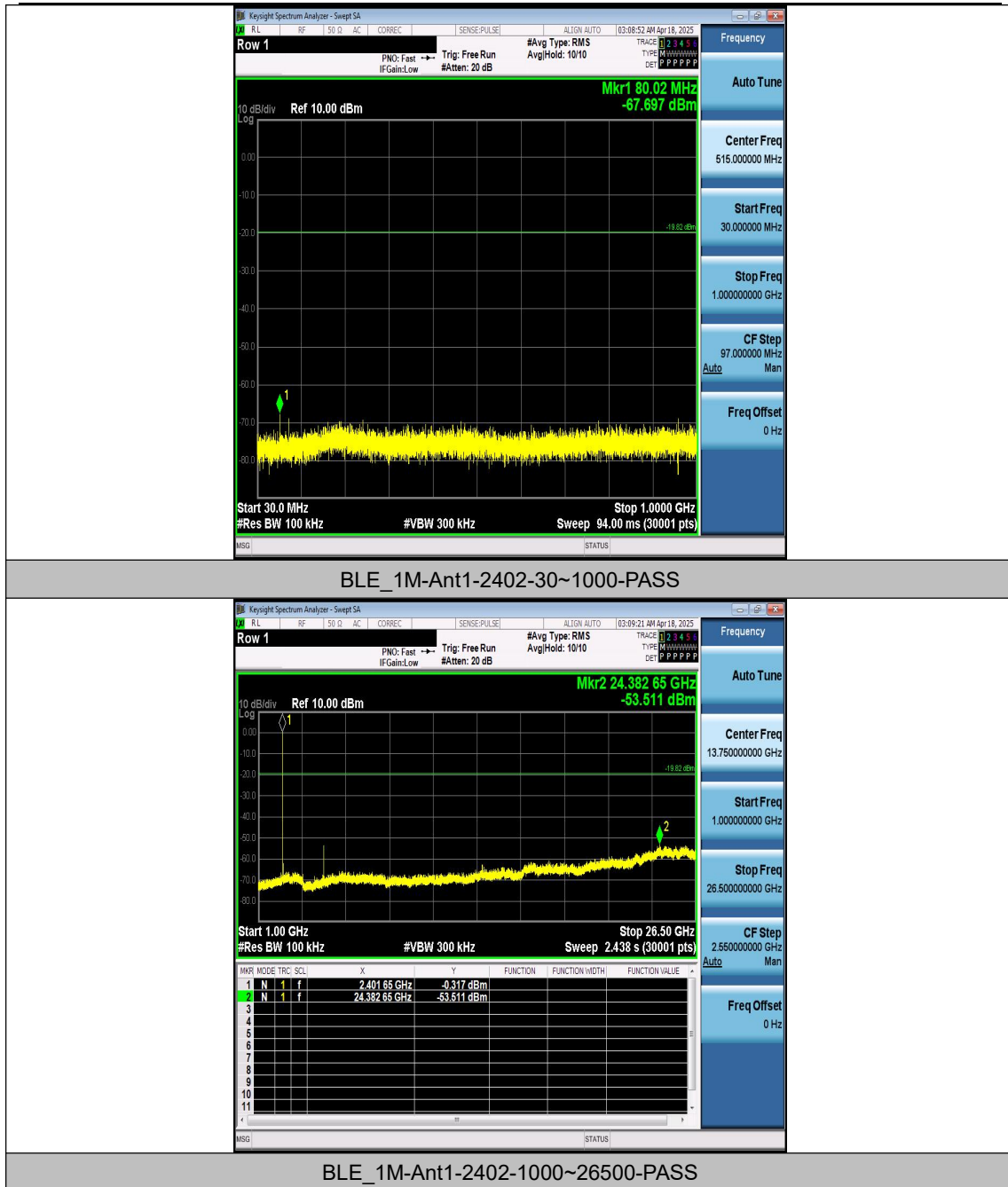
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.18	0.18	---	PASS
BLE_1M	Ant1	2402	30~1000	0.18	-67.7	≤-19.82	PASS
BLE_1M	Ant1	2402	1000~26500	0.18	-53.51	≤-19.82	PASS
BLE_1M	Ant1	2440	0~Reference	0.08	0.08	---	PASS
BLE_1M	Ant1	2440	30~1000	0.08	-67.6	≤-19.92	PASS
BLE_1M	Ant1	2440	1000~26500	0.08	-53.49	≤-19.92	PASS
BLE_1M	Ant1	2480	0~Reference	-0.44	-0.44	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.44	-67.65	≤-20.44	PASS
BLE_1M	Ant1	2480	1000~26500	-0.44	-53.09	≤-20.44	PASS

Test Graphs

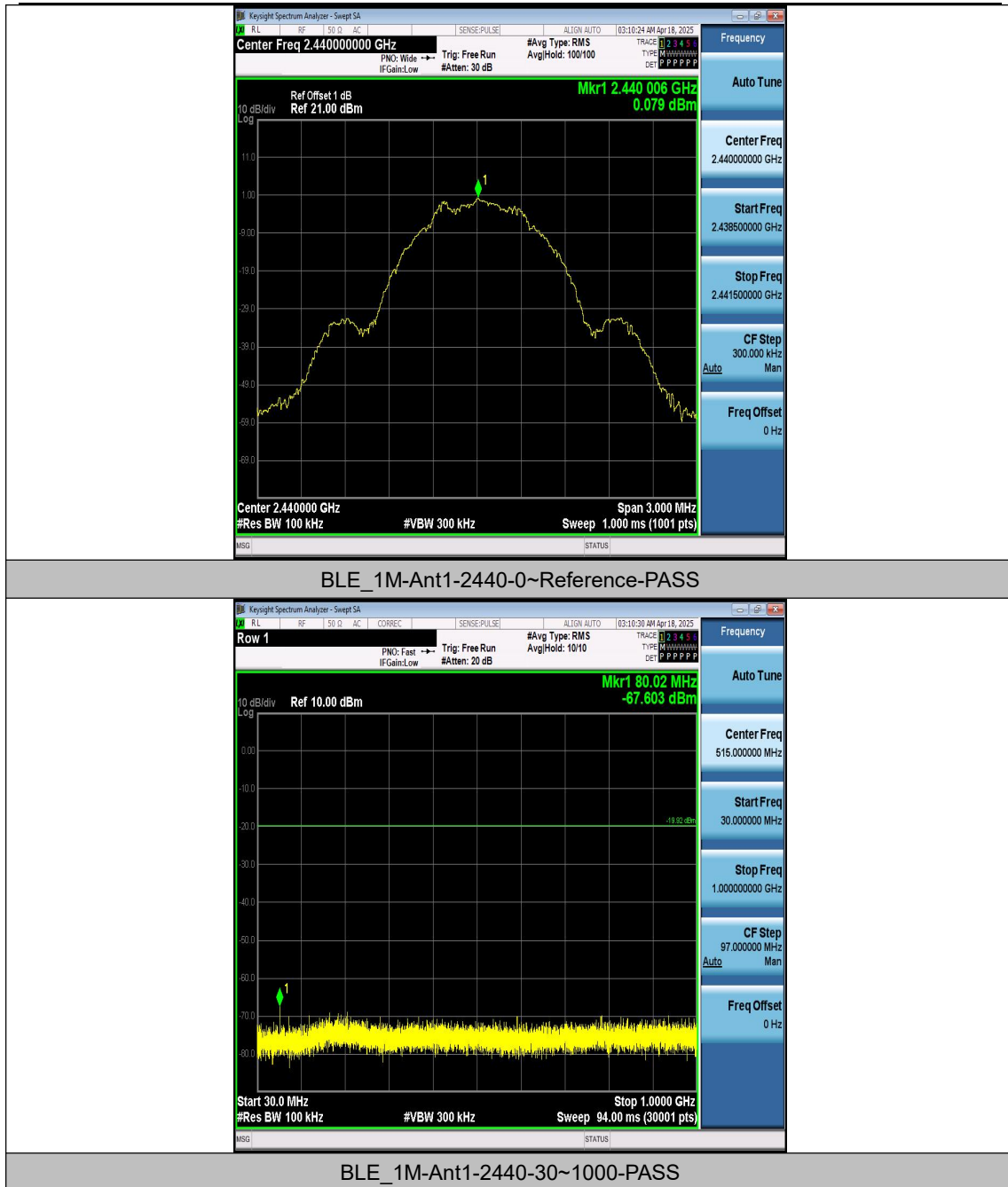




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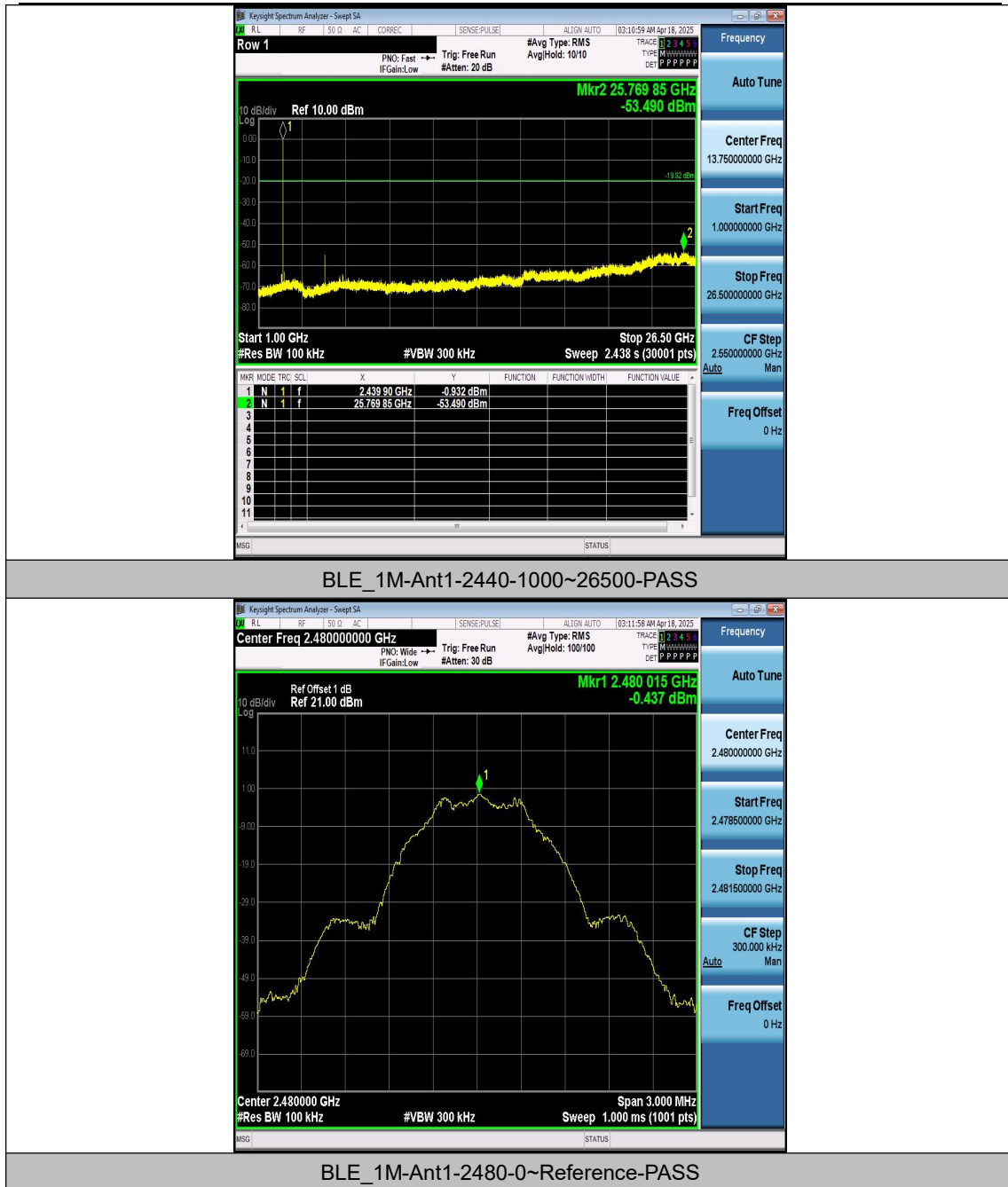
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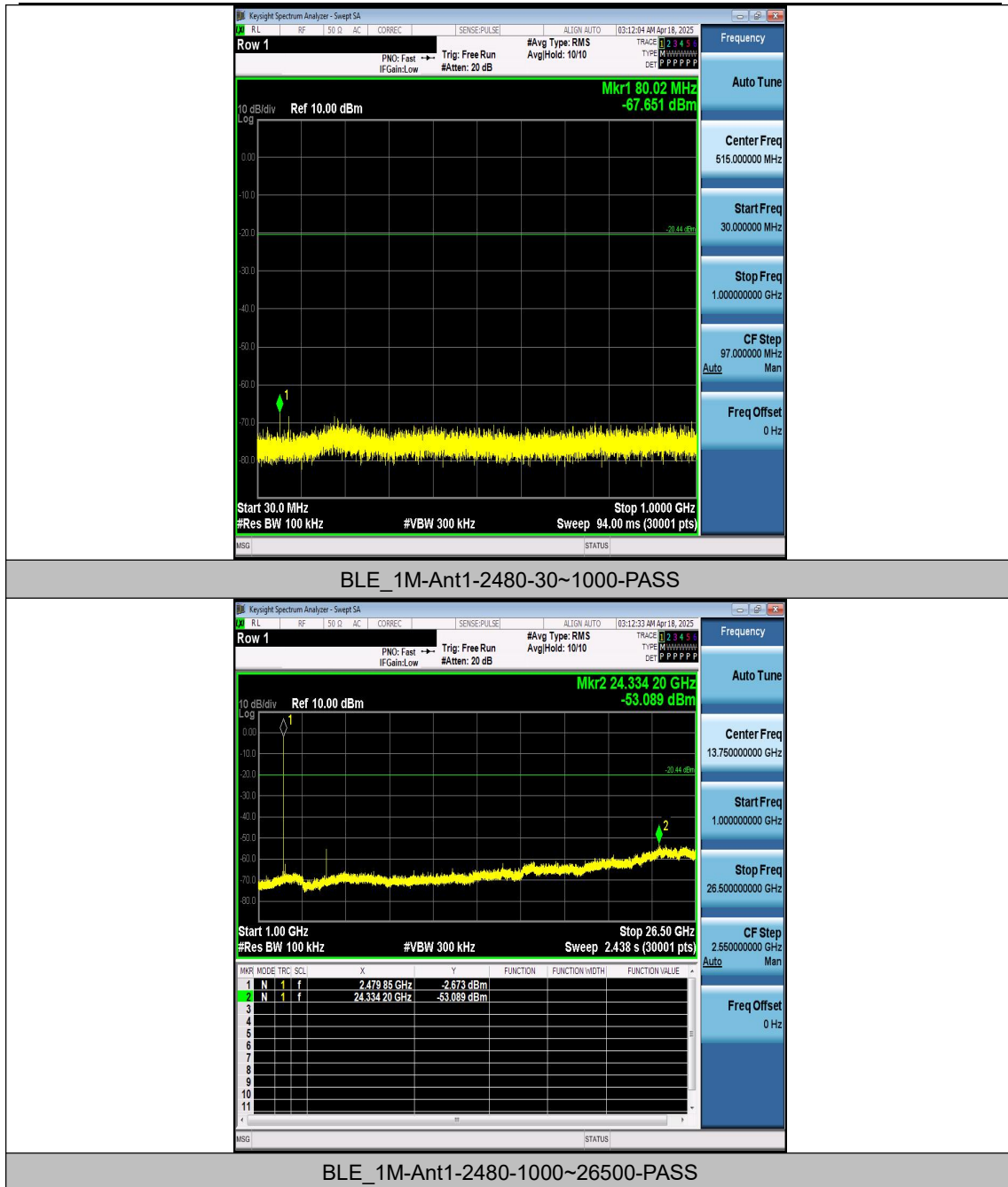
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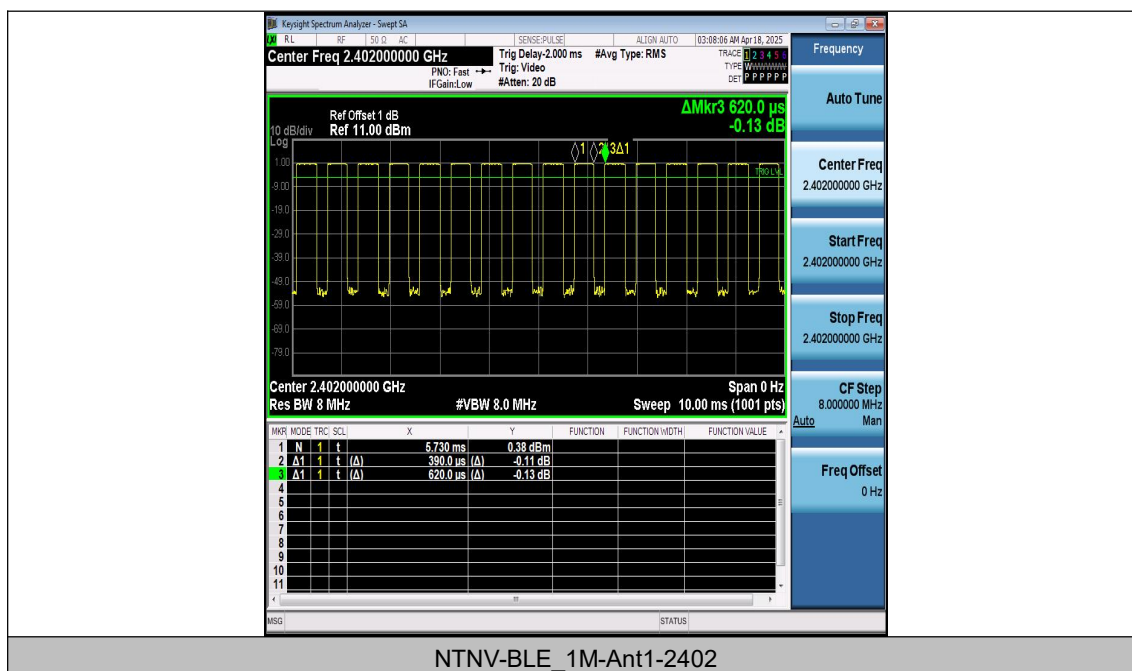
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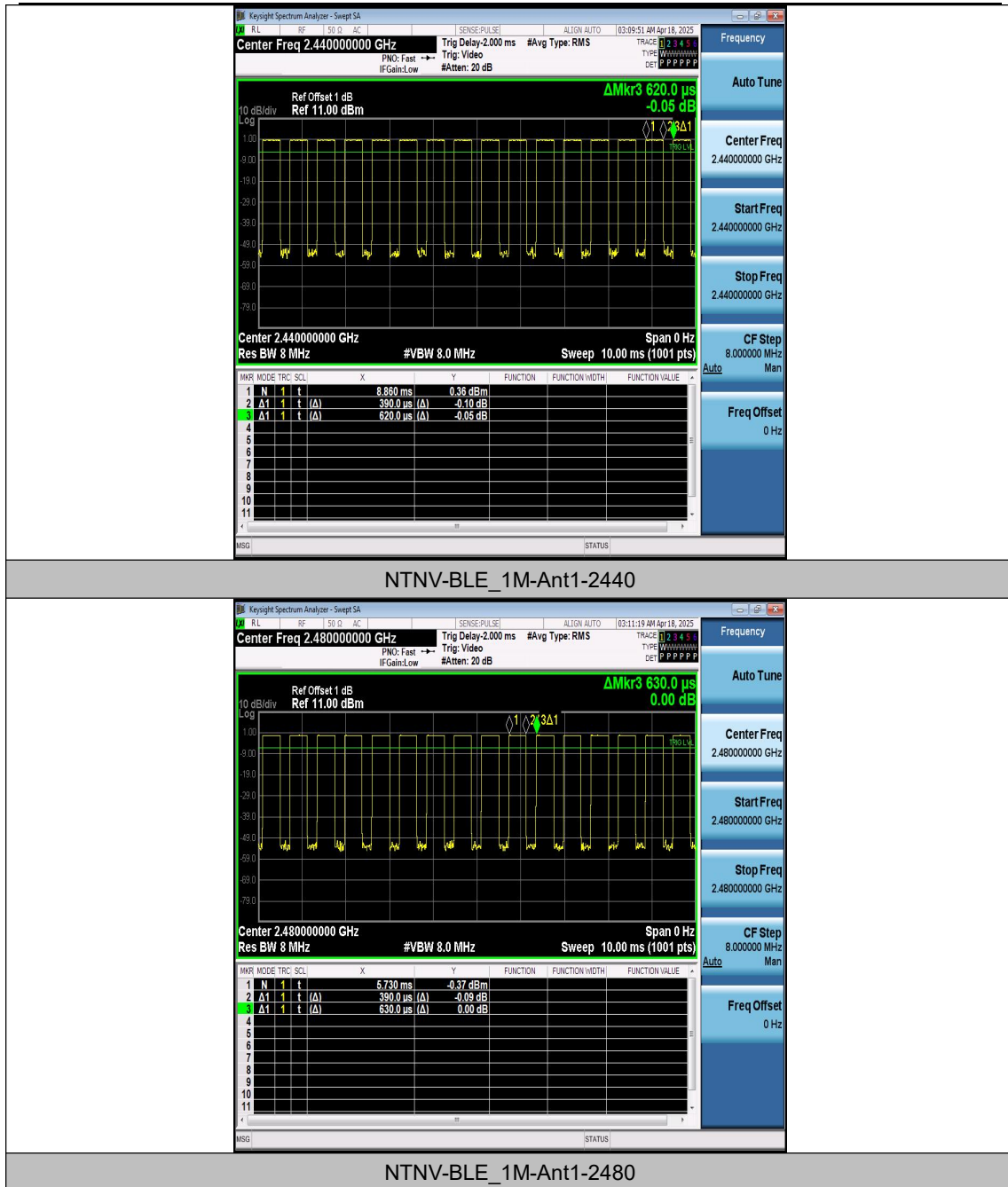
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2440	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08

Test Graphs





---End---

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