

Appendix Test Data

Report No.:	1812C50082812501	Test Sample No.:	1-2-2
Start Test Date:	2025-03-11	Finish Test Date:	2025-03-12
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.1°C	Relative Humidity:	42%
Pressure:	101kPa		

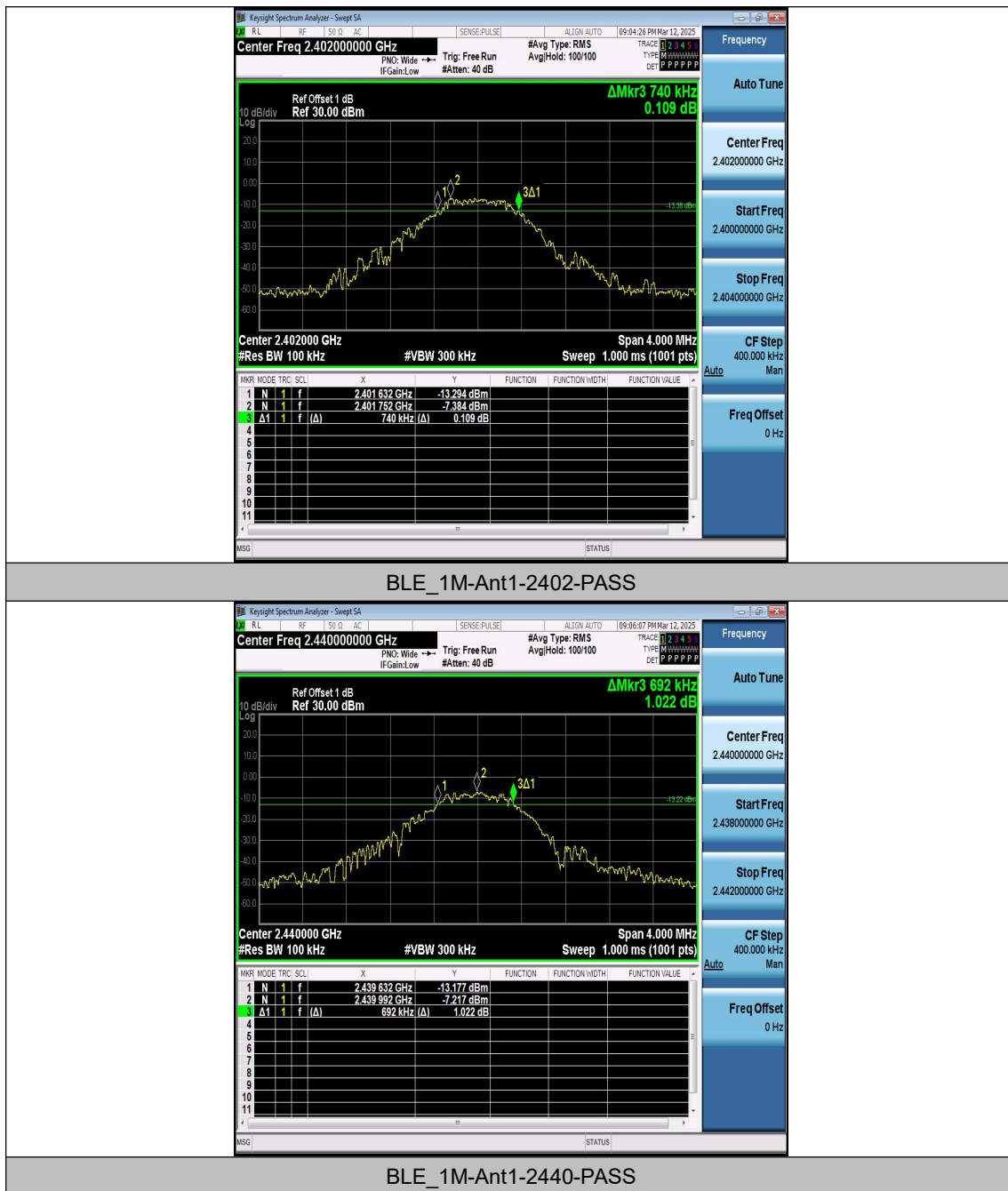
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.740	2401.632	2402.372	0.5	PASS
BLE_1M	Ant1	2440	0.692	2439.632	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.696	2479.640	2480.336	0.5	PASS



Test Graphs



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Appendix B: 99% Occupied Bandwidth

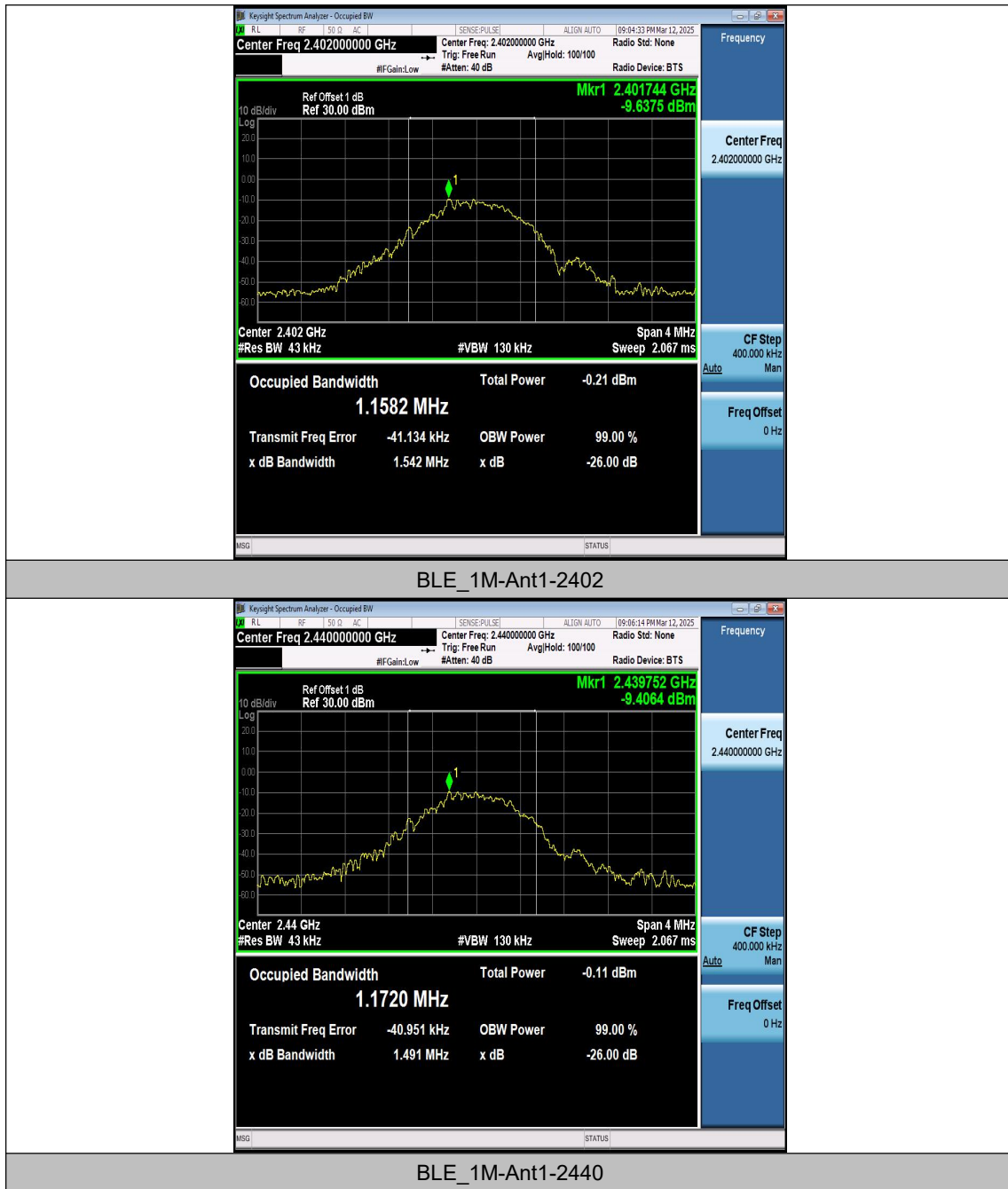
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1582	2401.3798	2402.5380	---	---
BLE_1M	Ant1	2440	1.1720	2439.3731	2440.5451	---	---
BLE_1M	Ant1	2480	1.1383	2479.4034	2480.5417	---	---

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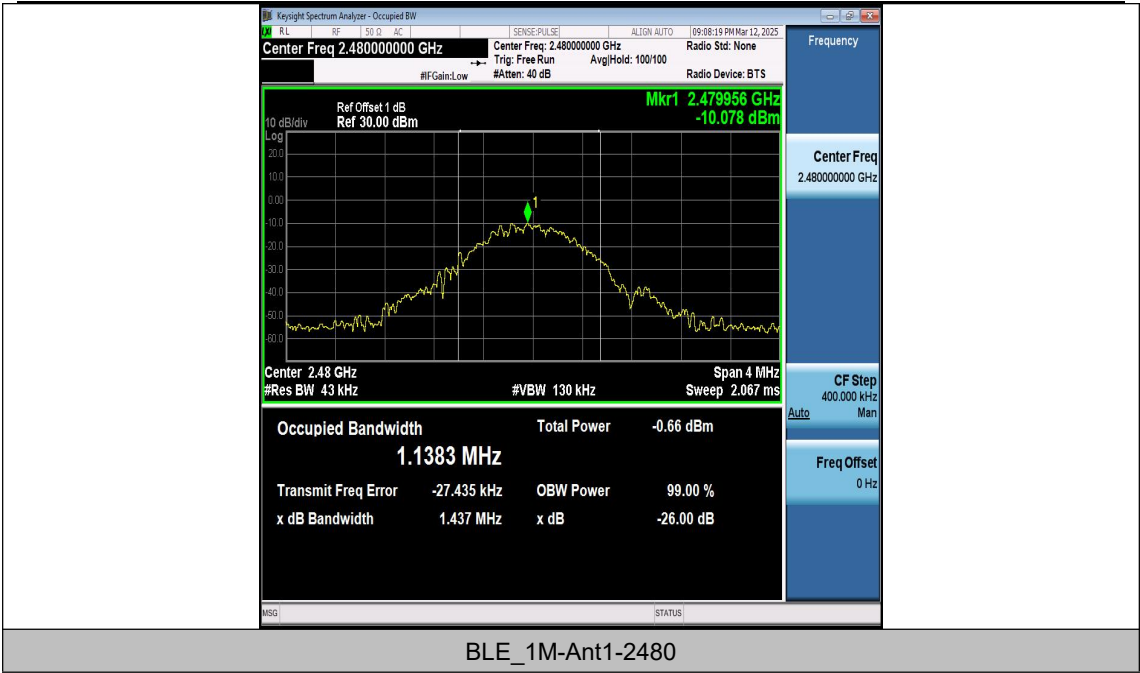
Test Graphs



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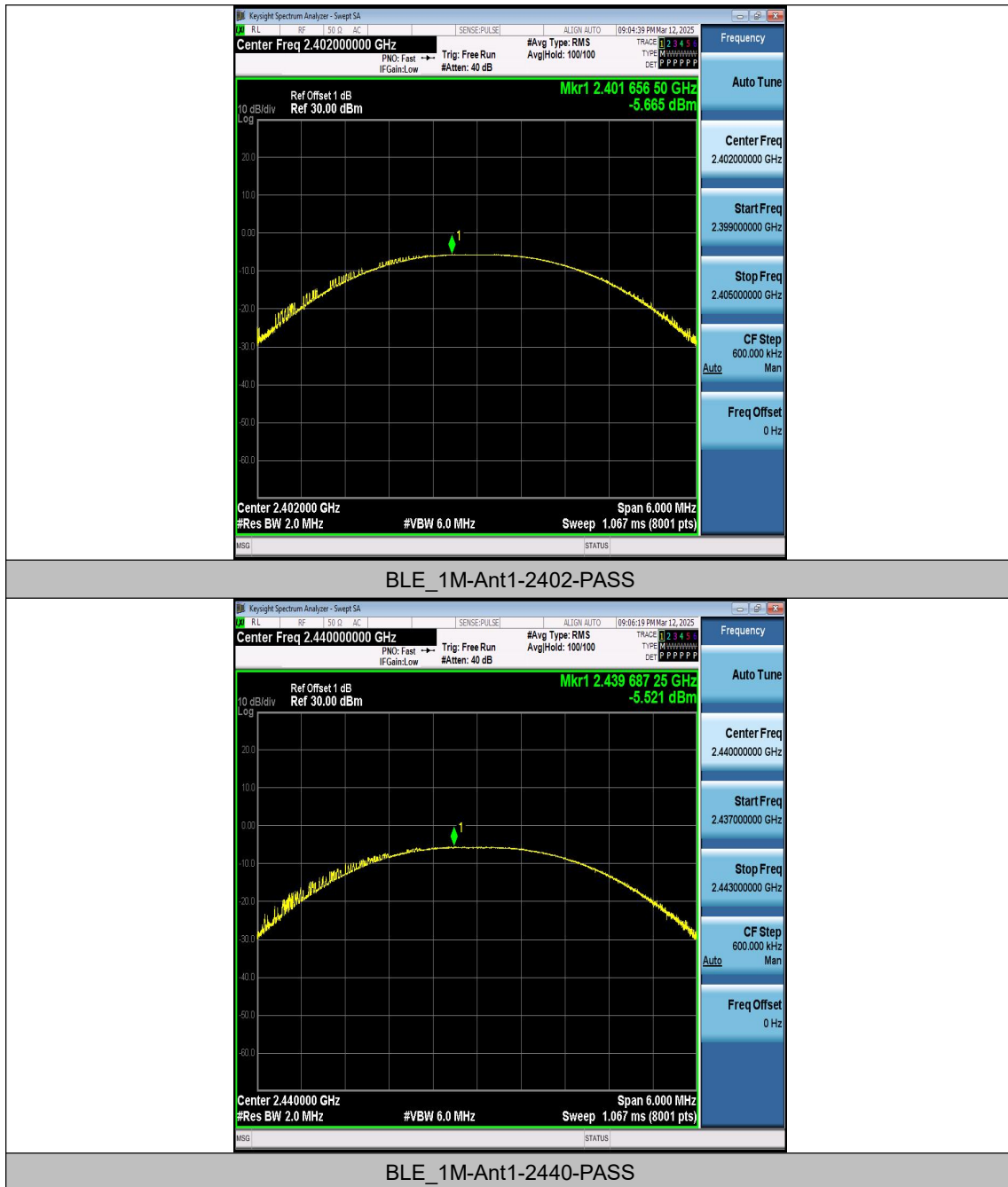
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-5.67	≤30	PASS
BLE_1M	Ant1	2440	-5.52	≤30	PASS
BLE_1M	Ant1	2480	-6.06	≤30	PASS



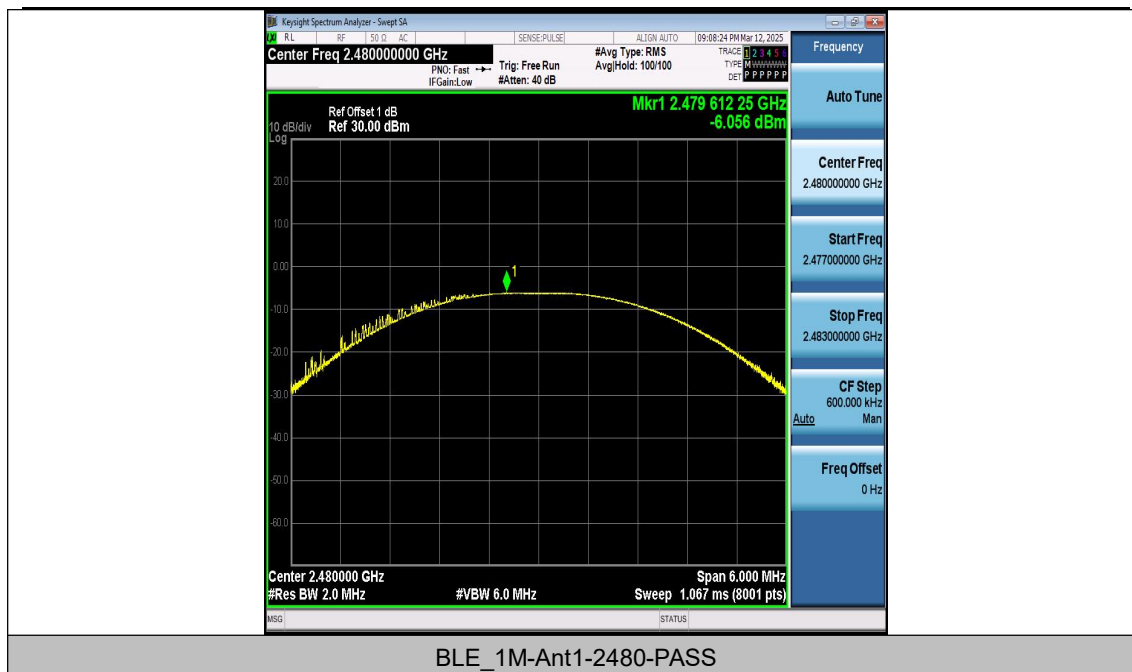
Test Graphs Peak



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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	-10.70	≤8.00	PASS
BLE_1M	Ant1	2440	-11.12	≤8.00	PASS
BLE_1M	Ant1	2480	-11.35	≤8.00	PASS



Test Graphs



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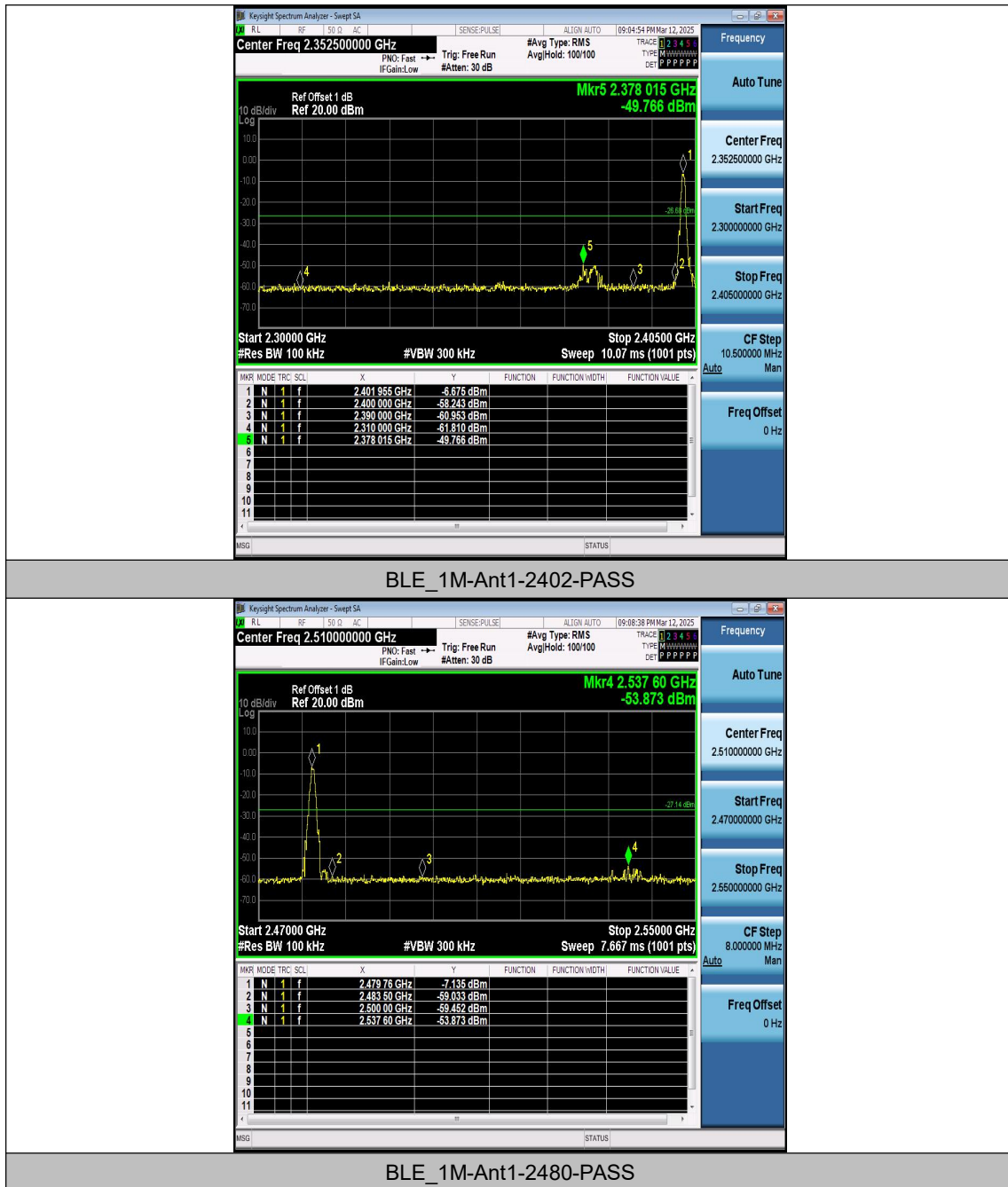
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-6.68	-49.77	≤-26.68	PASS
BLE_1M	Ant1	High	2480	-7.14	-53.87	≤-27.14	PASS



Test Graphs



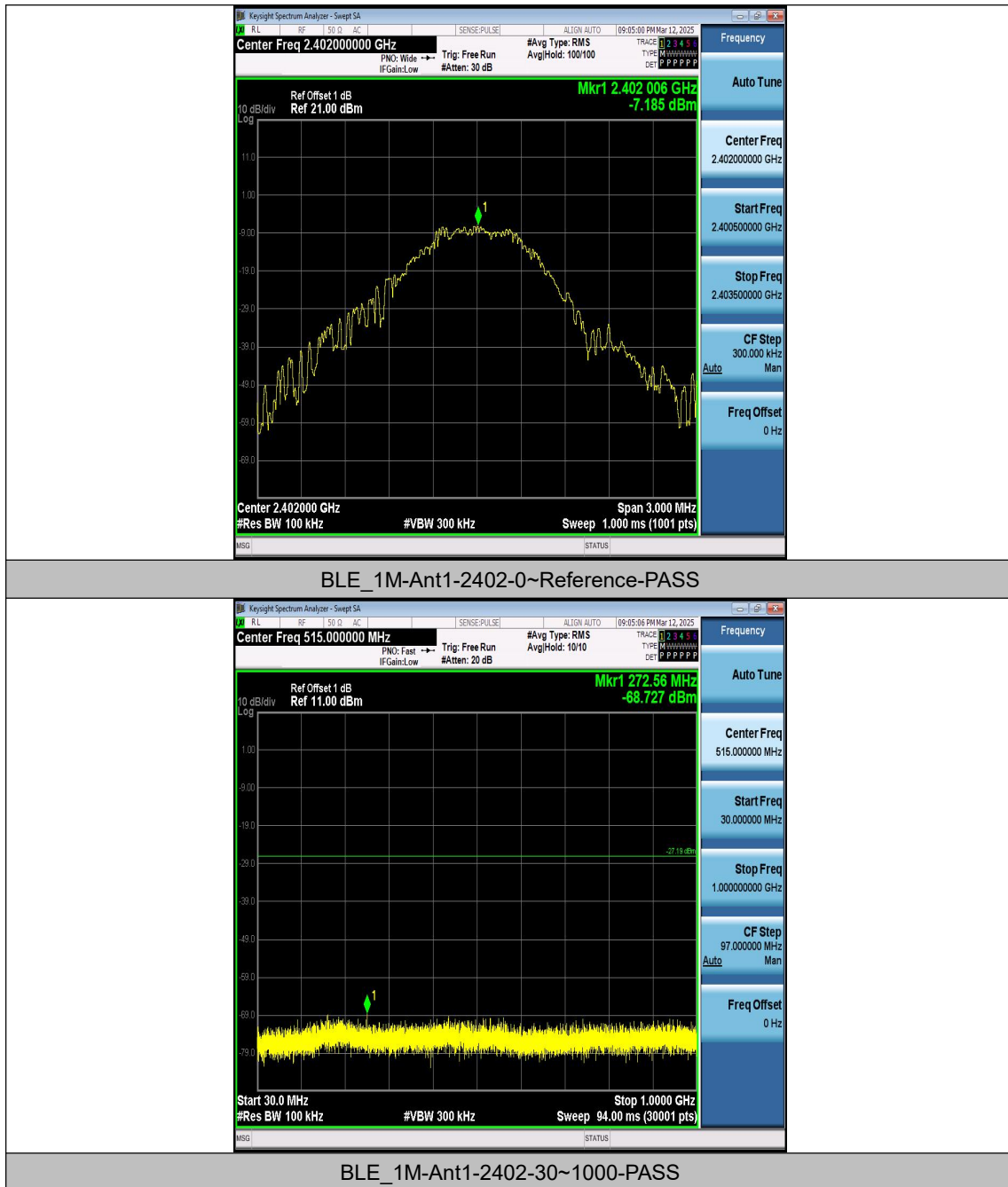
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-7.19	-7.19	---	PASS
BLE_1M	Ant1	2402	30~1000	-7.19	-68.73	≤-27.19	PASS
BLE_1M	Ant1	2402	1000~26500	-7.19	-38.38	≤-27.19	PASS
BLE_1M	Ant1	2440	0~Reference	-7.34	-7.34	---	PASS
BLE_1M	Ant1	2440	30~1000	-7.34	-67.68	≤-27.34	PASS
BLE_1M	Ant1	2440	1000~26500	-7.34	-39.98	≤-27.34	PASS
BLE_1M	Ant1	2480	0~Reference	-7.75	-7.75	---	PASS
BLE_1M	Ant1	2480	30~1000	-7.75	-68.89	≤-27.75	PASS
BLE_1M	Ant1	2480	1000~26500	-7.75	-37.57	≤-27.75	PASS



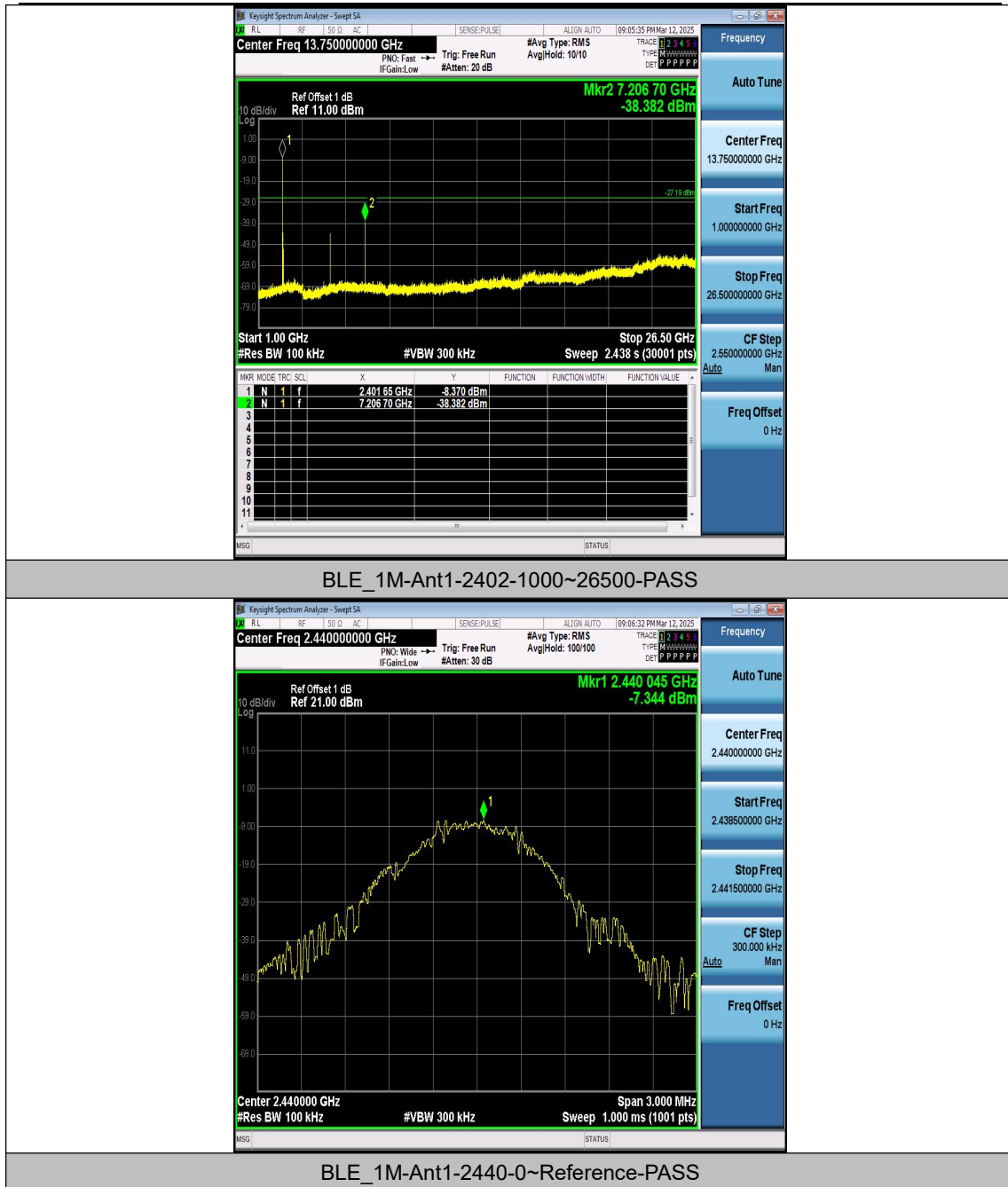
Test Graphs

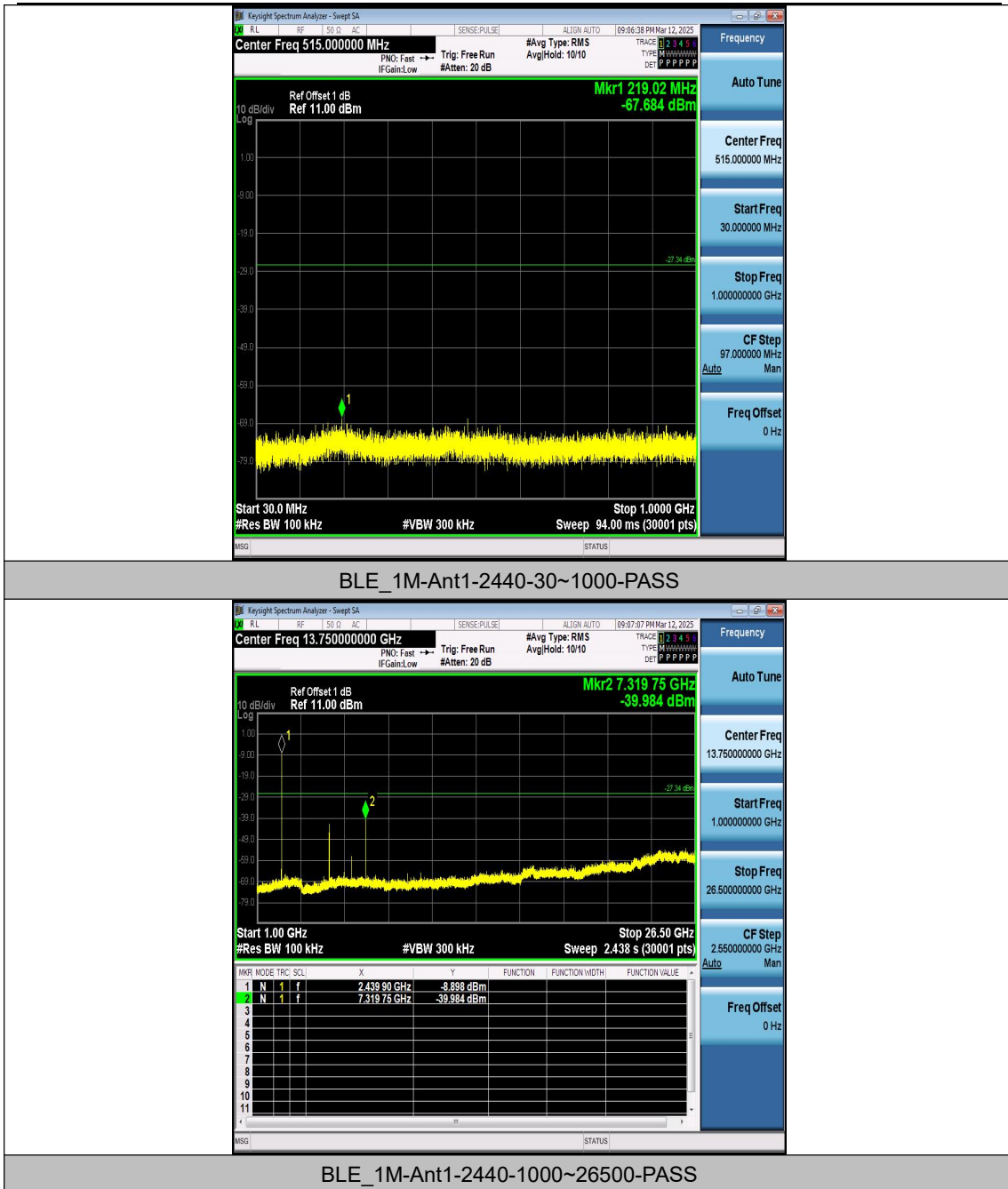


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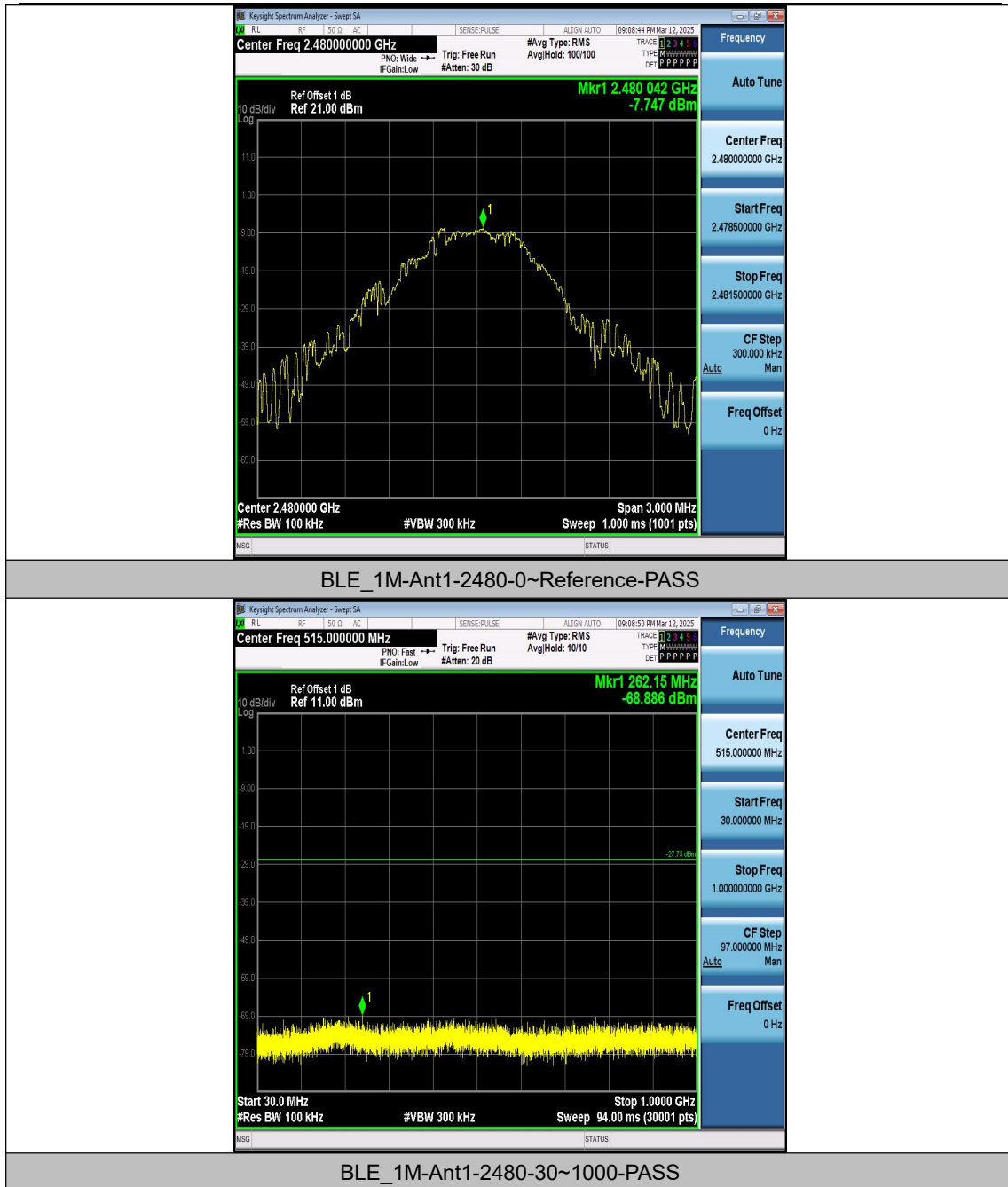




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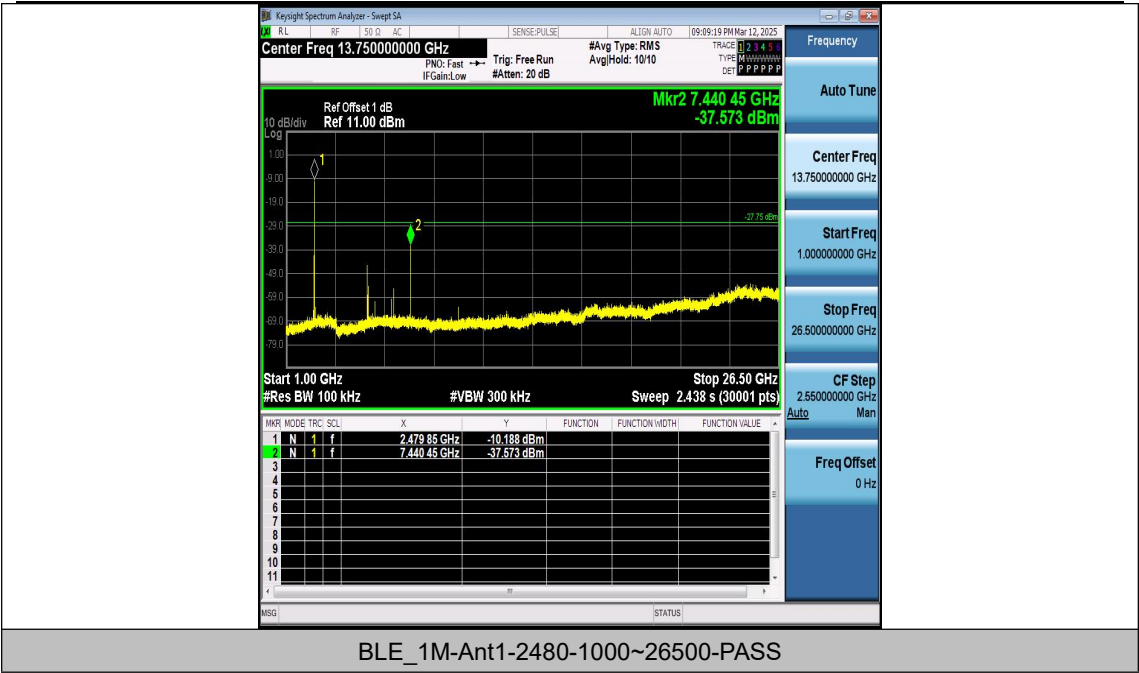


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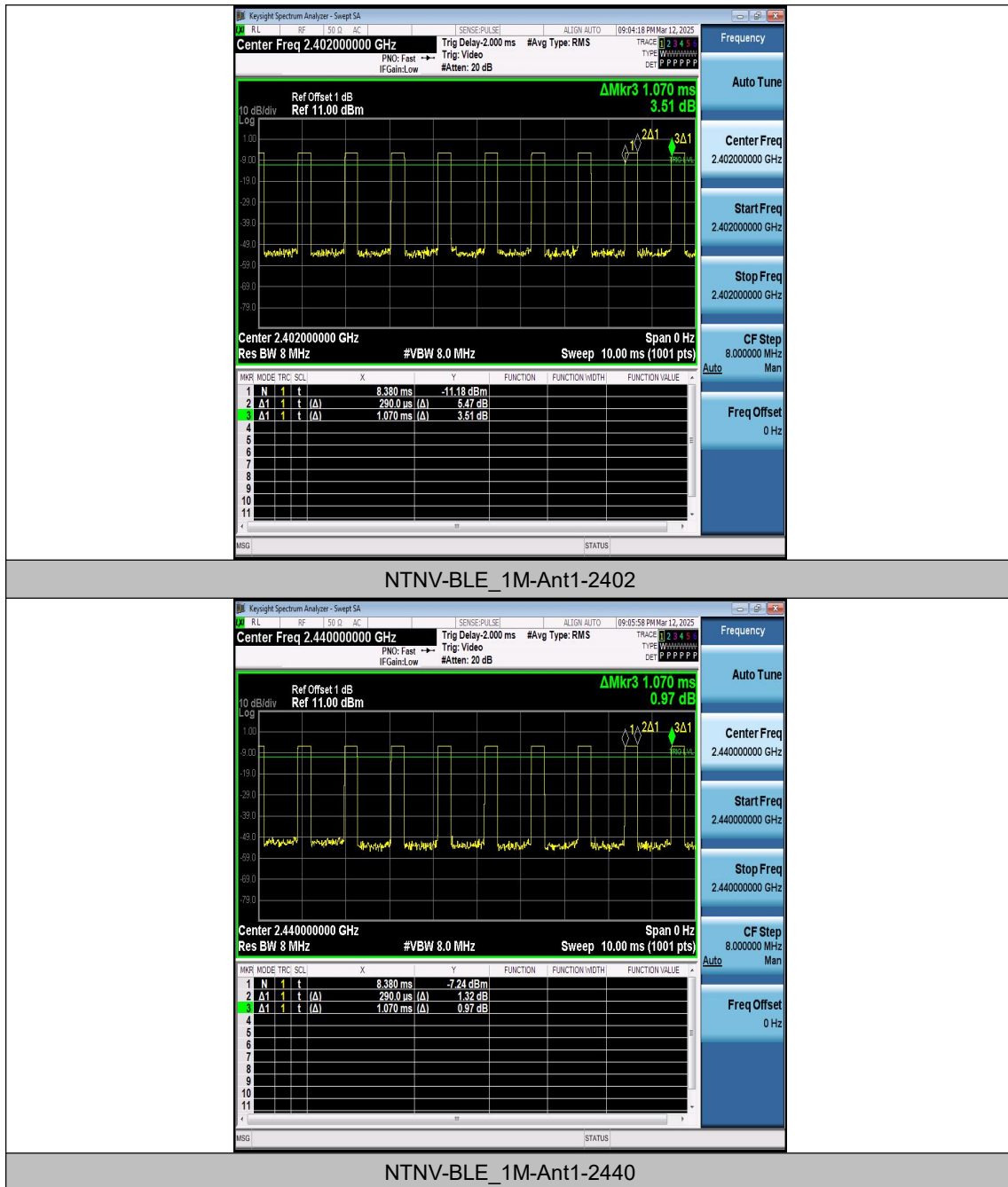
Appendix G: Duty Cycle

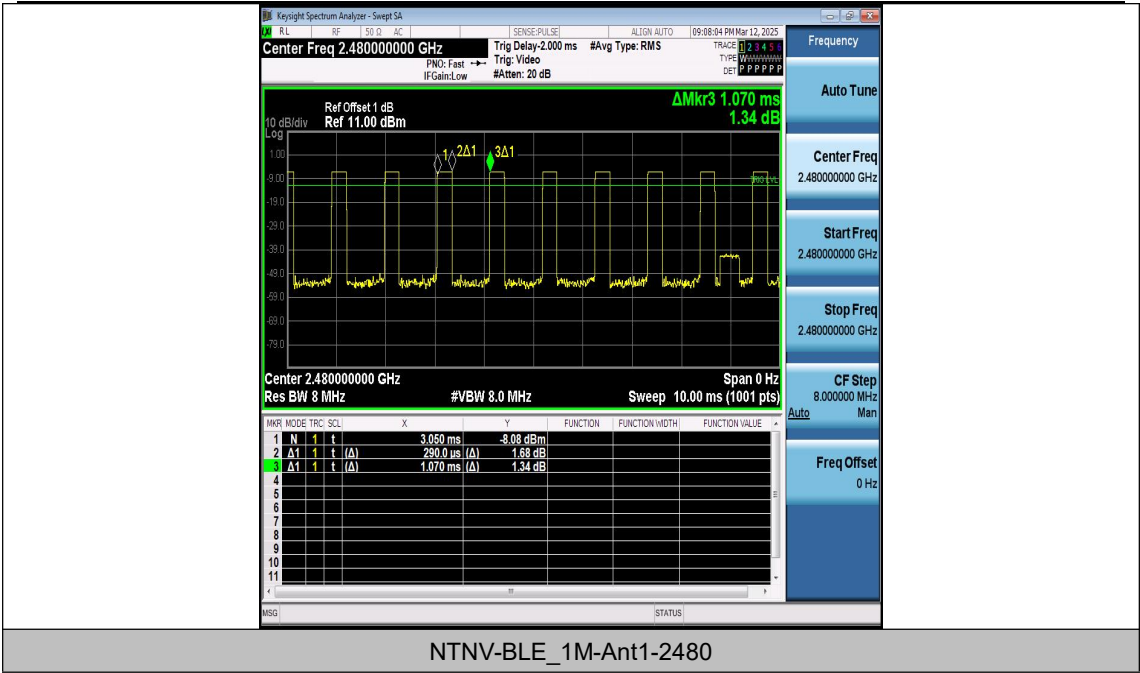
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.29	1.07	27.10	5.67
BLE_1M	Ant1	2440	0.29	1.07	27.10	5.67
BLE_1M	Ant1	2480	0.29	1.07	27.10	5.67



Test Graphs





---End---

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