

Appendix Test Data

Report No.:	1818C50000912501	Test Sample No.:	1-2-2
Start Test Date:	2024.12.31	Finish Test Date:	2025.02.27
Test Engineer:	<i>Foker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3℃	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	0.648	2401.692	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.720	2439.664	2440.384	0.5	PASS
BLE_1M	Ant1	2480	0.668	2479.692	2480.360	0.5	PASS

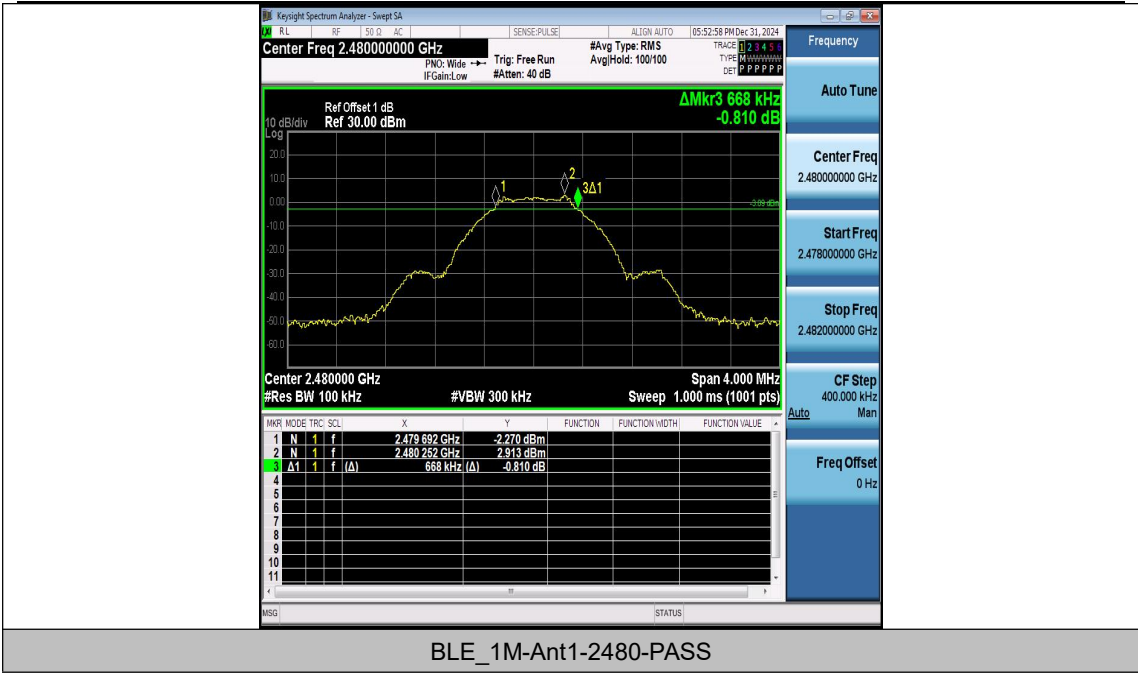
Test Graphs



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BLE_1M-Ant1-2480-PASS

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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	1.0242	2401.5036	2402.5278	---	---
BLE_1M	Ant1	2440	1.0278	2439.5018	2440.5296	---	---
BLE_1M	Ant1	2480	1.0201	2479.5050	2480.5251	---	---

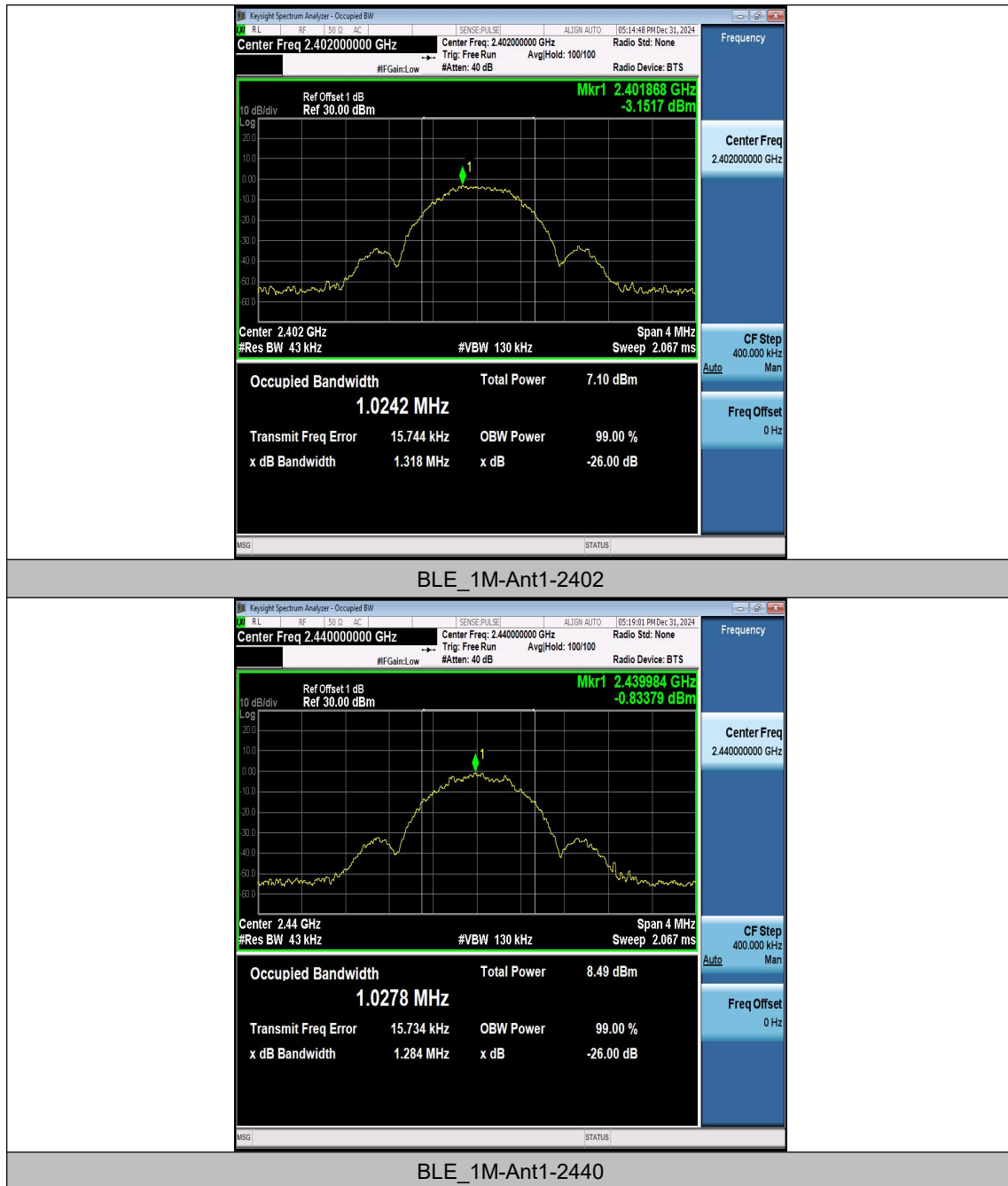
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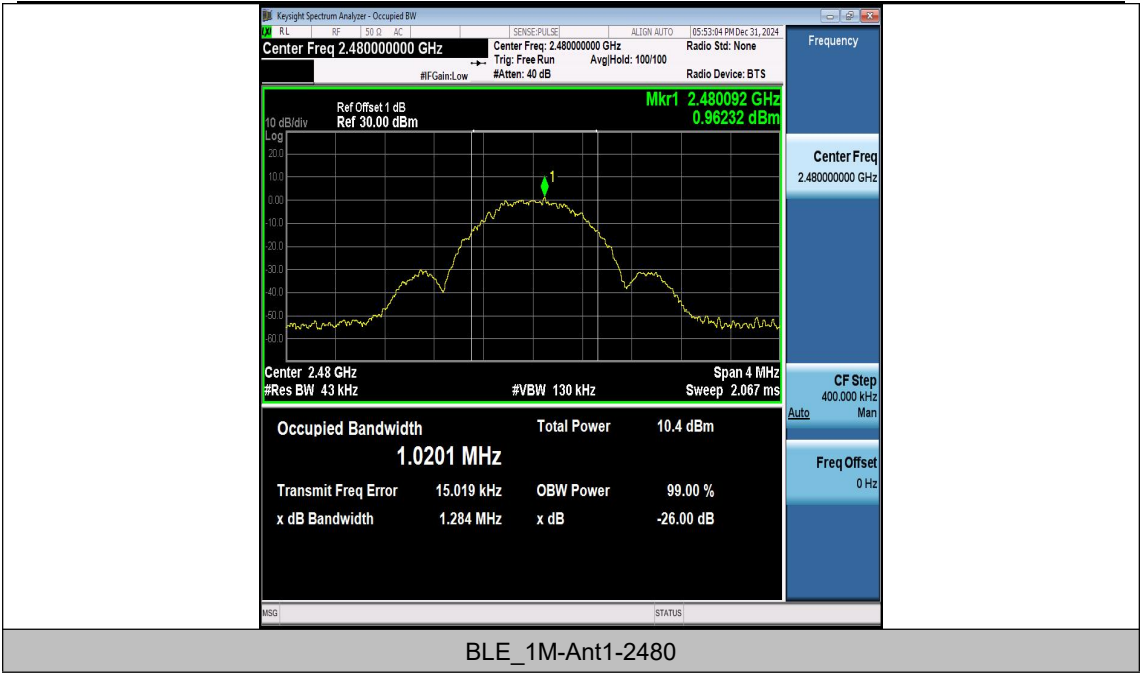
Test Graphs



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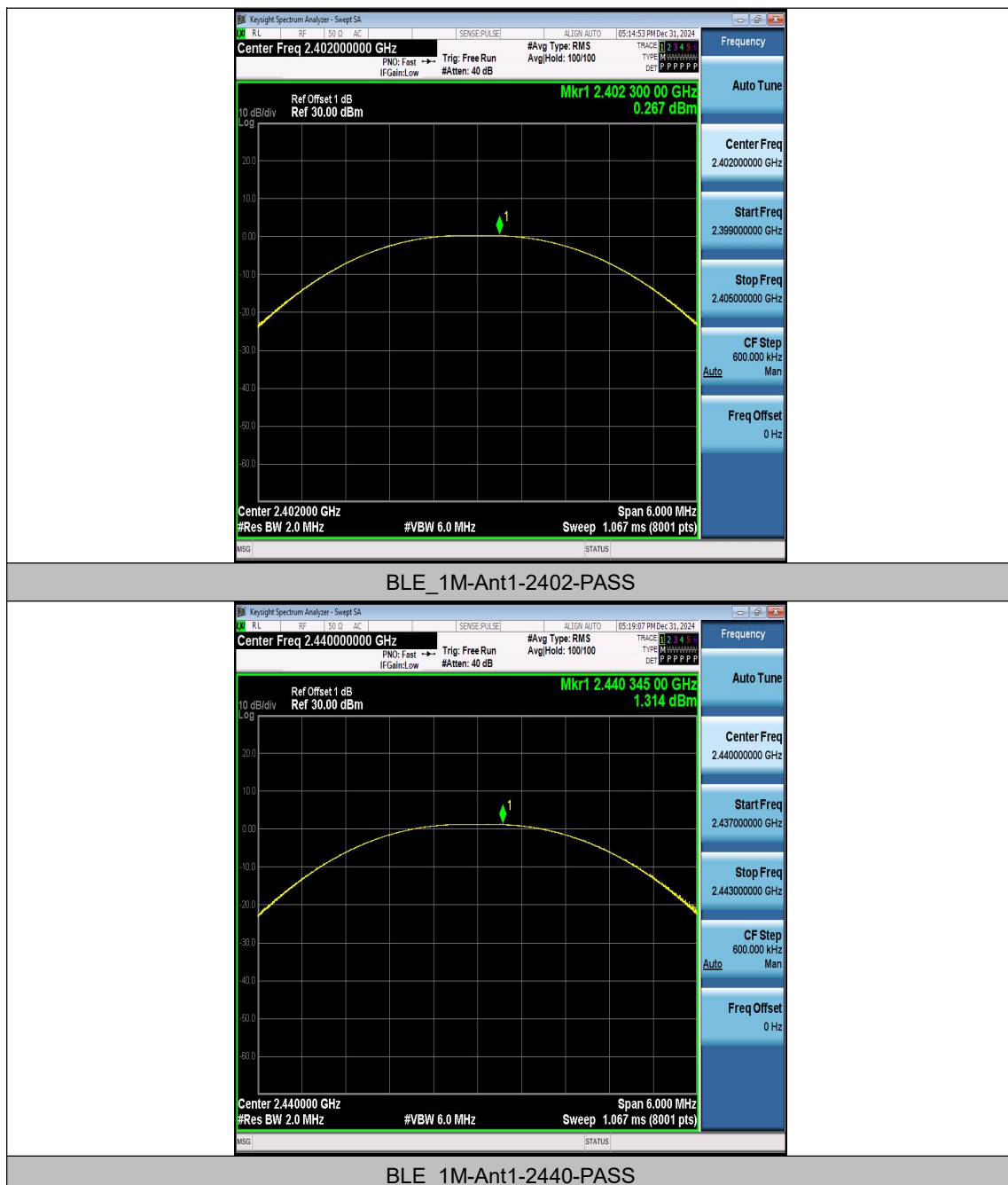
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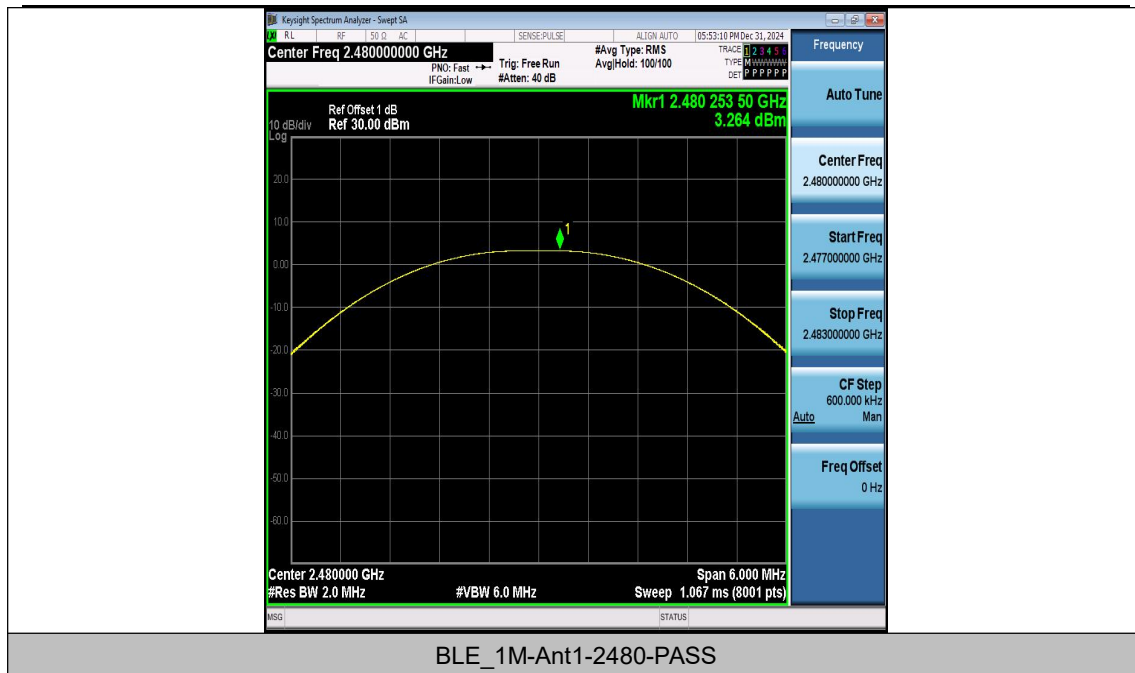
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.27	≤30	PASS
BLE_1M	Ant1	2440	1.31	≤30	PASS
BLE_1M	Ant1	2480	3.26	≤30	PASS

Test Graphs Peak





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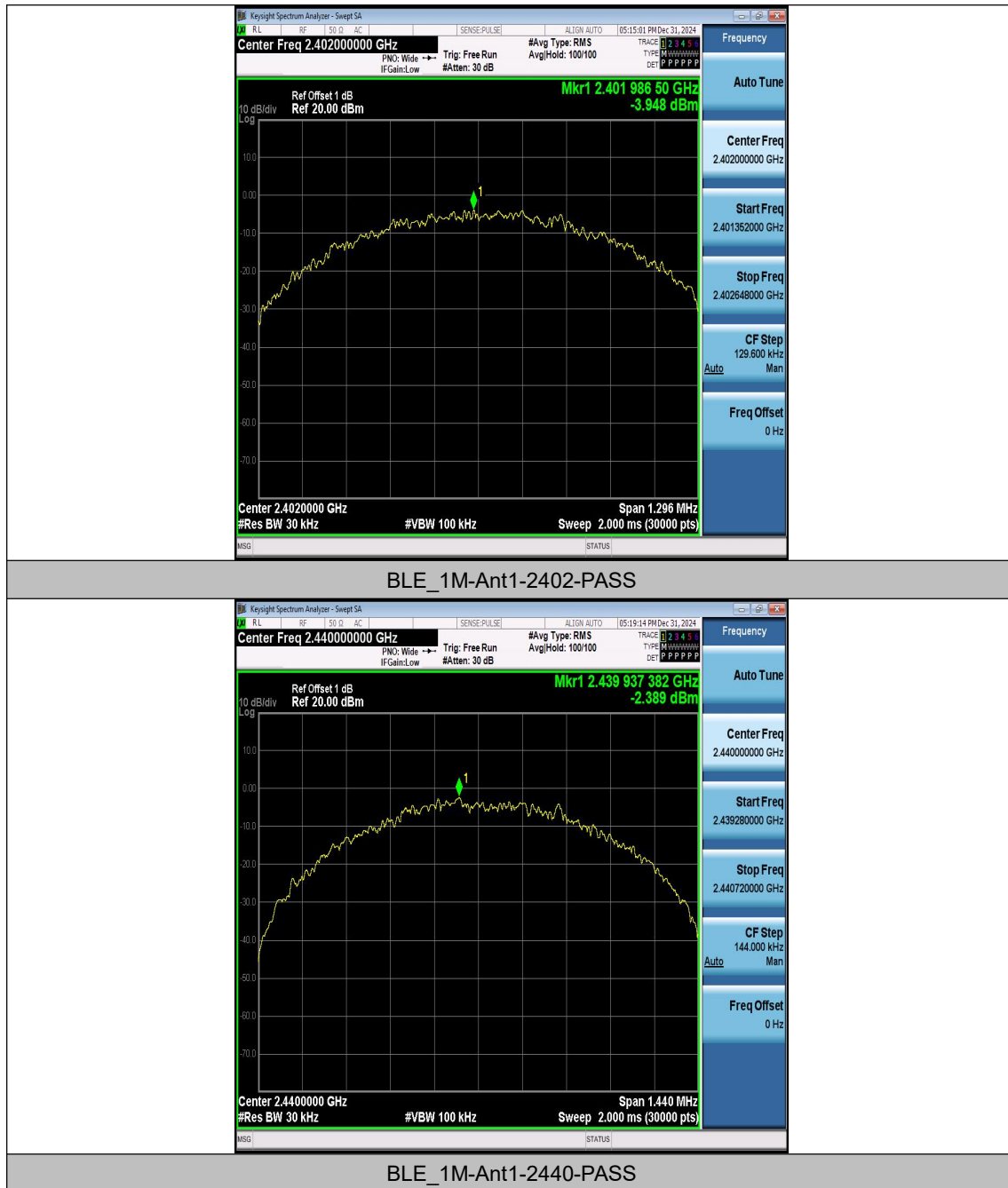
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Final Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-3.95	-13.95	≤8.00	PASS
BLE_1M	Ant1	2440	-2.39	-12.39	≤8.00	PASS
BLE_1M	Ant1	2480	-0.55	-10.55	≤8.00	PASS

Note: Final Result[dBm/3kHz]= Result[dBm/30kHz]+10*LOG10(3/30)

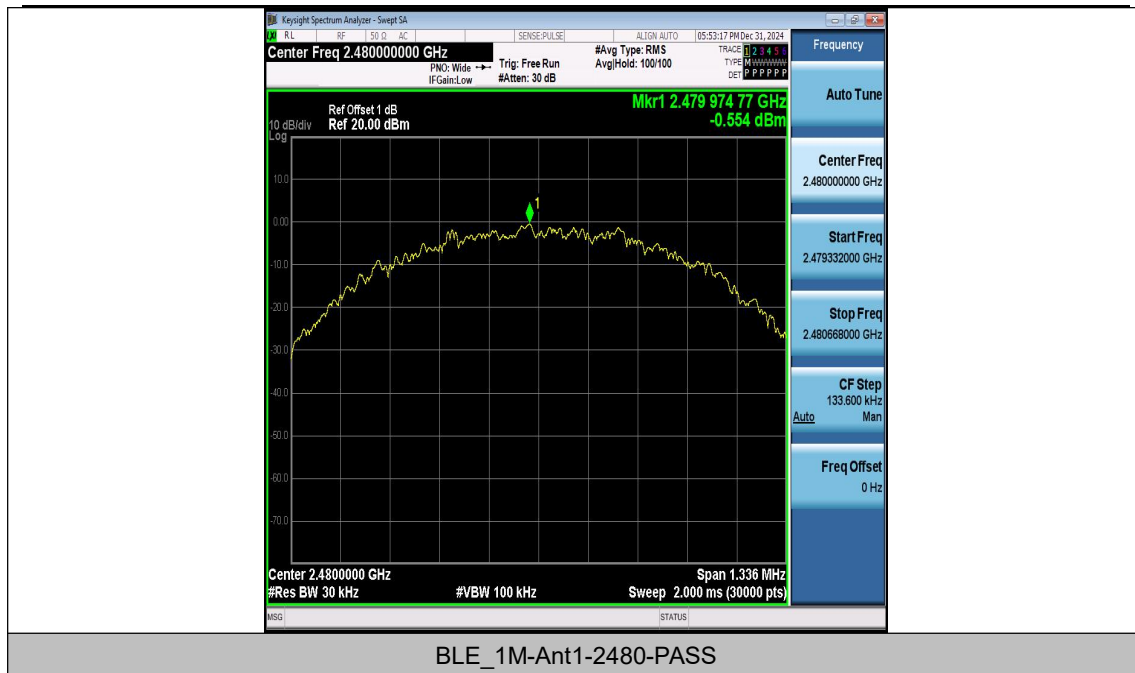
Test Graphs



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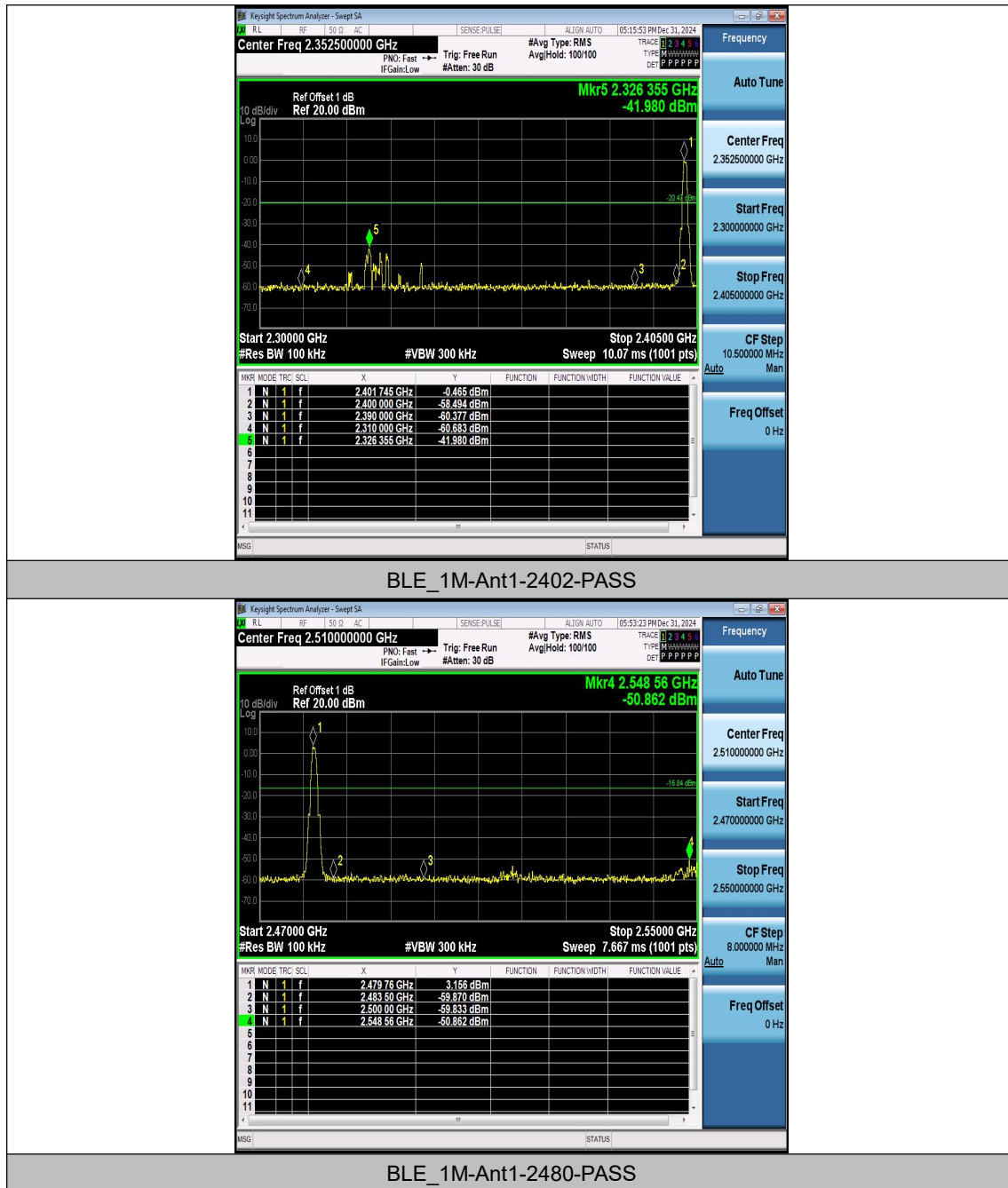
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.47	-41.98	≤-20.47	PASS
BLE_1M	Ant1	High	2480	3.16	-50.86	≤-16.84	PASS

Test Graphs



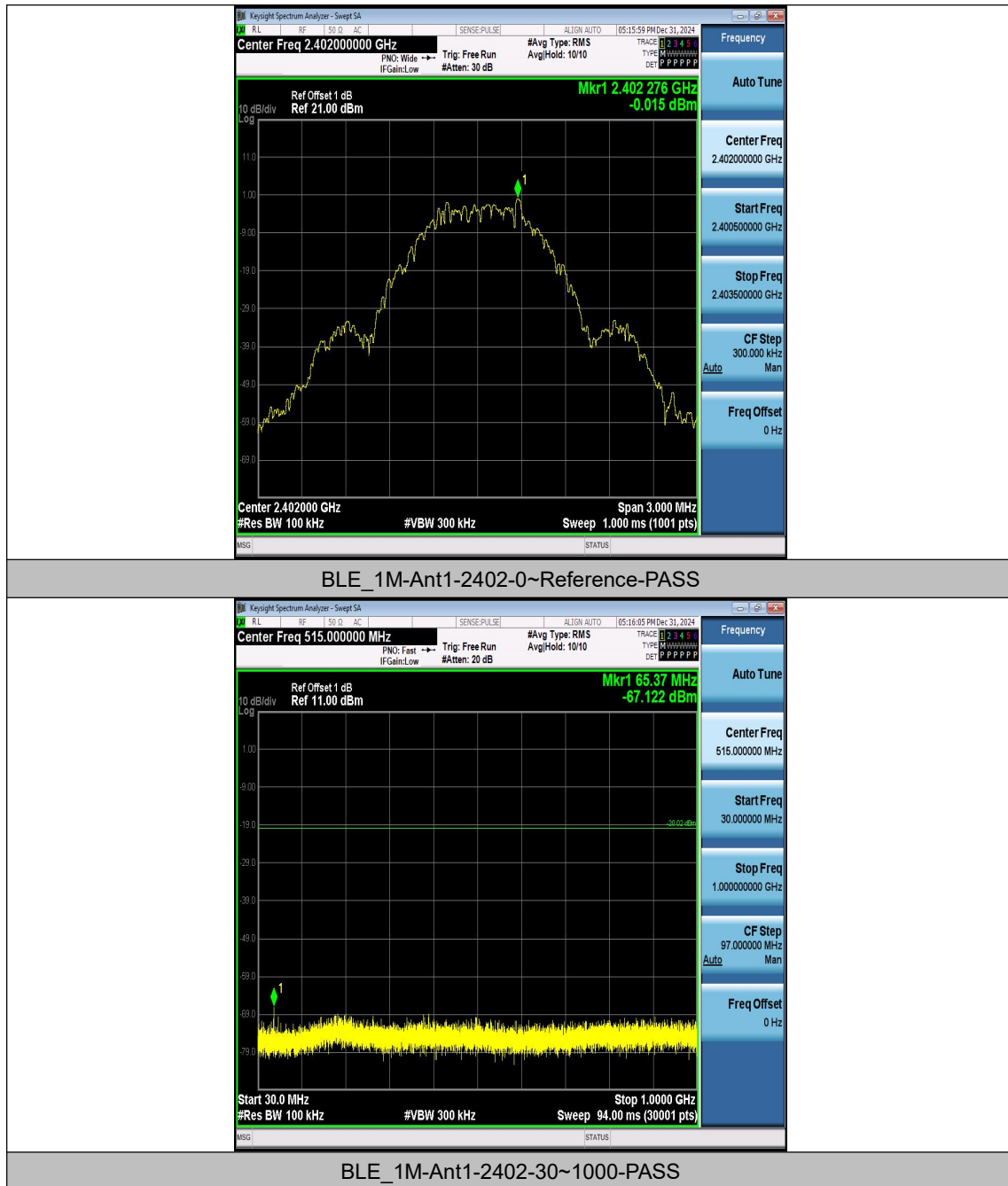
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.02	-0.02	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.02	-67.12	≤-20.02	PASS
BLE_1M	Ant1	2402	1000~26500	-0.02	-46.23	≤-20.02	PASS
BLE_1M	Ant1	2440	0~Reference	0.18	0.18	---	PASS
BLE_1M	Ant1	2440	30~1000	0.18	-68.13	≤-19.82	PASS
BLE_1M	Ant1	2440	1000~26500	0.18	-47.82	≤-19.82	PASS
BLE_1M	Ant1	2480	0~Reference	2.37	2.37	---	PASS
BLE_1M	Ant1	2480	30~1000	2.37	-67.98	≤-17.63	PASS
BLE_1M	Ant1	2480	1000~26500	2.37	-41.98	≤-17.63	PASS



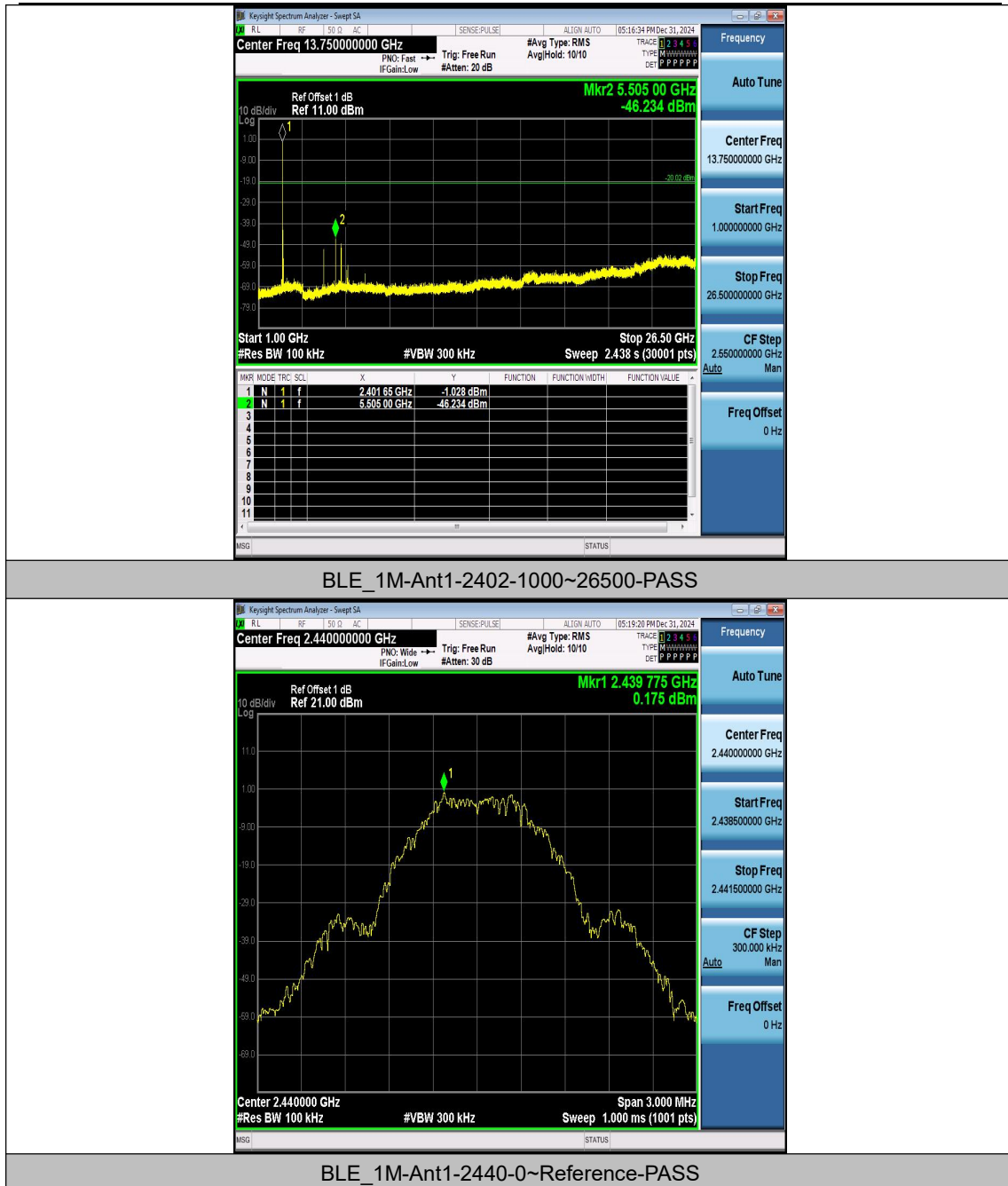
Test Graphs

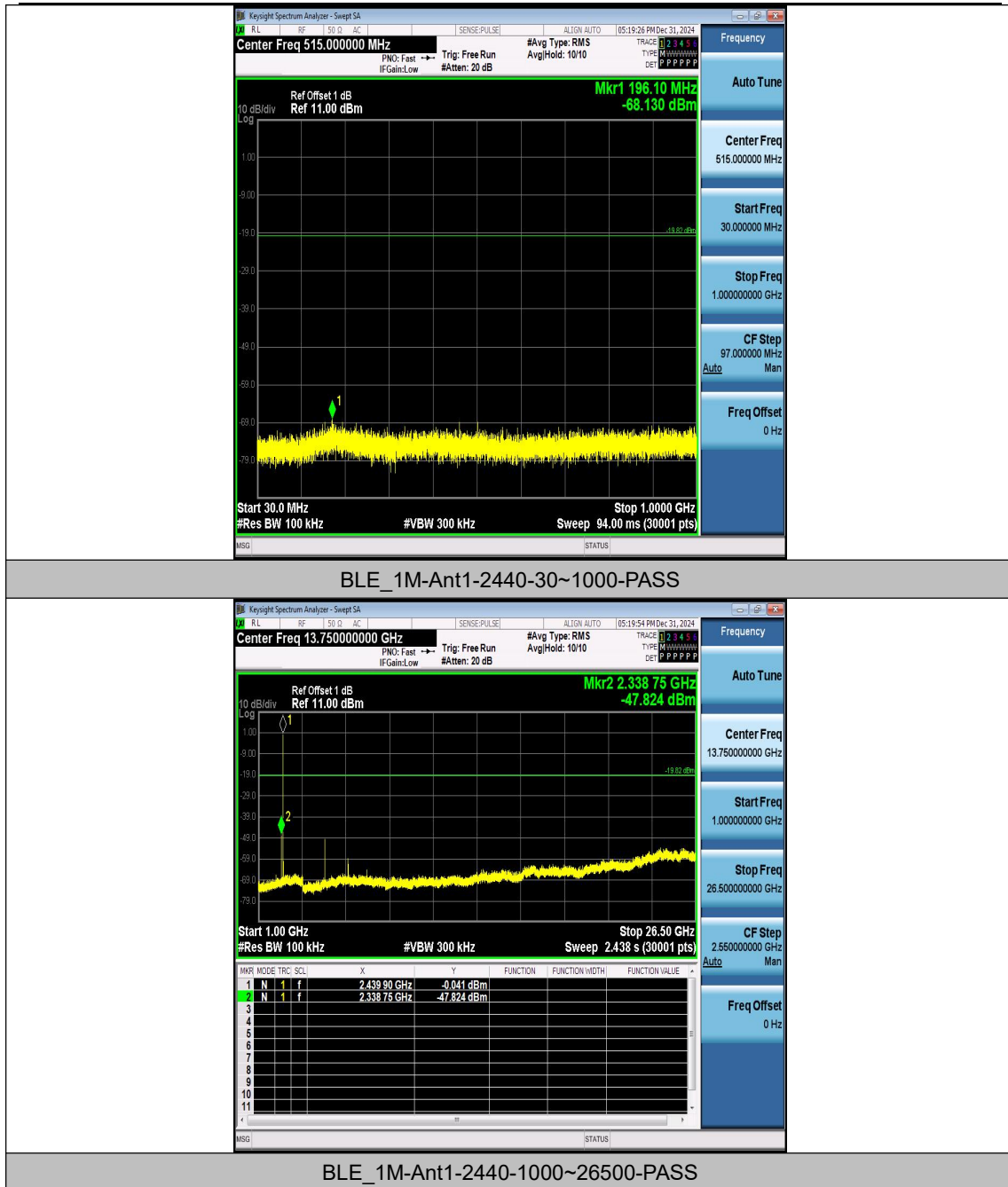


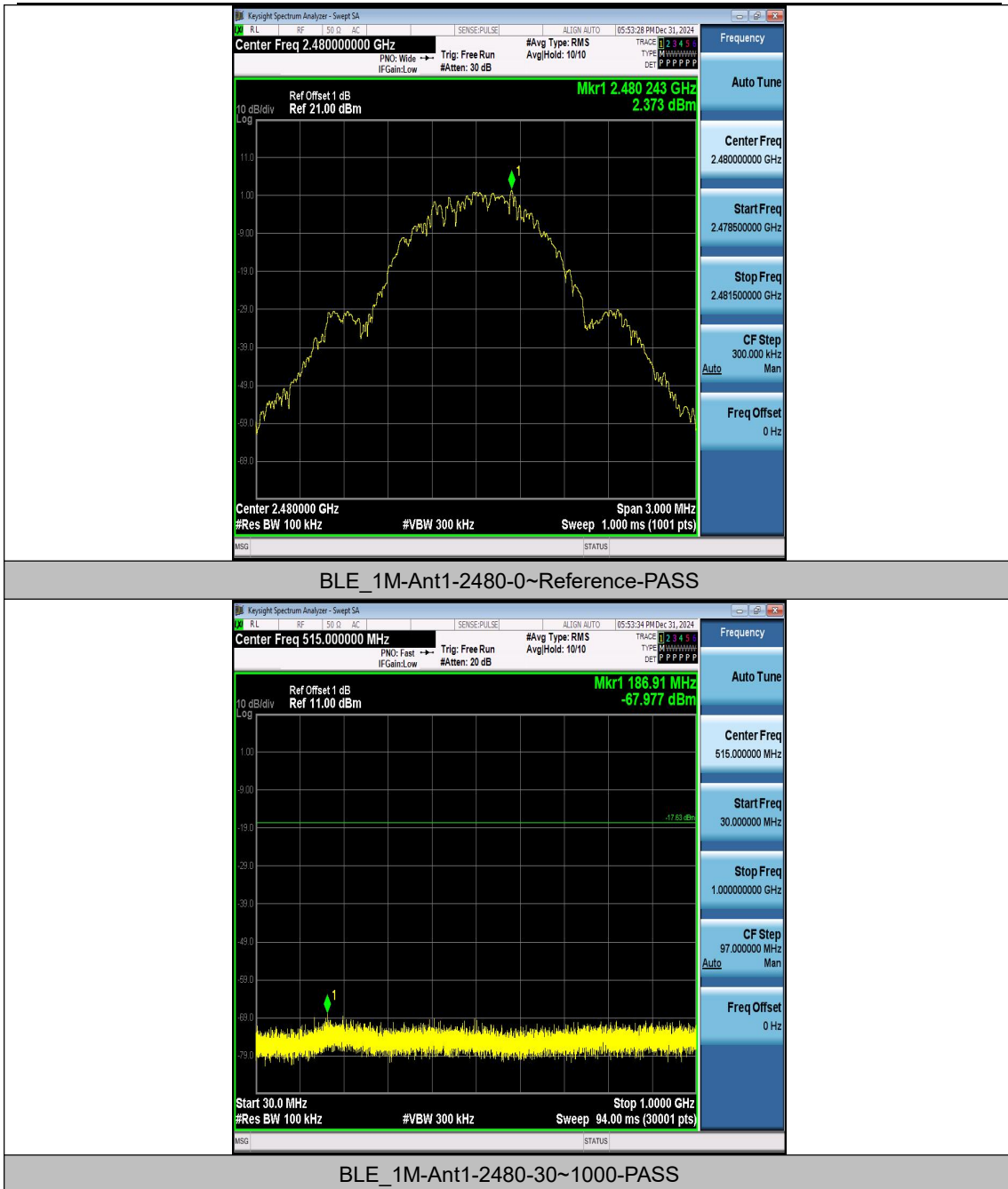
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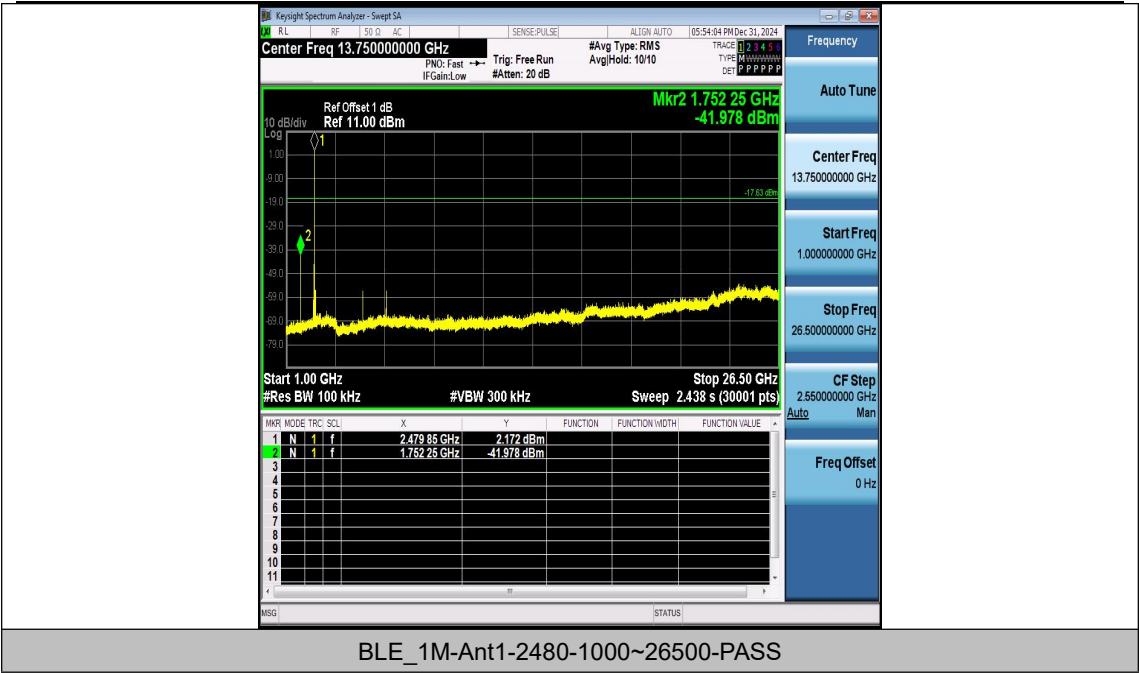


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BLE_1M-Ant1-2480-1000~26500-PASS

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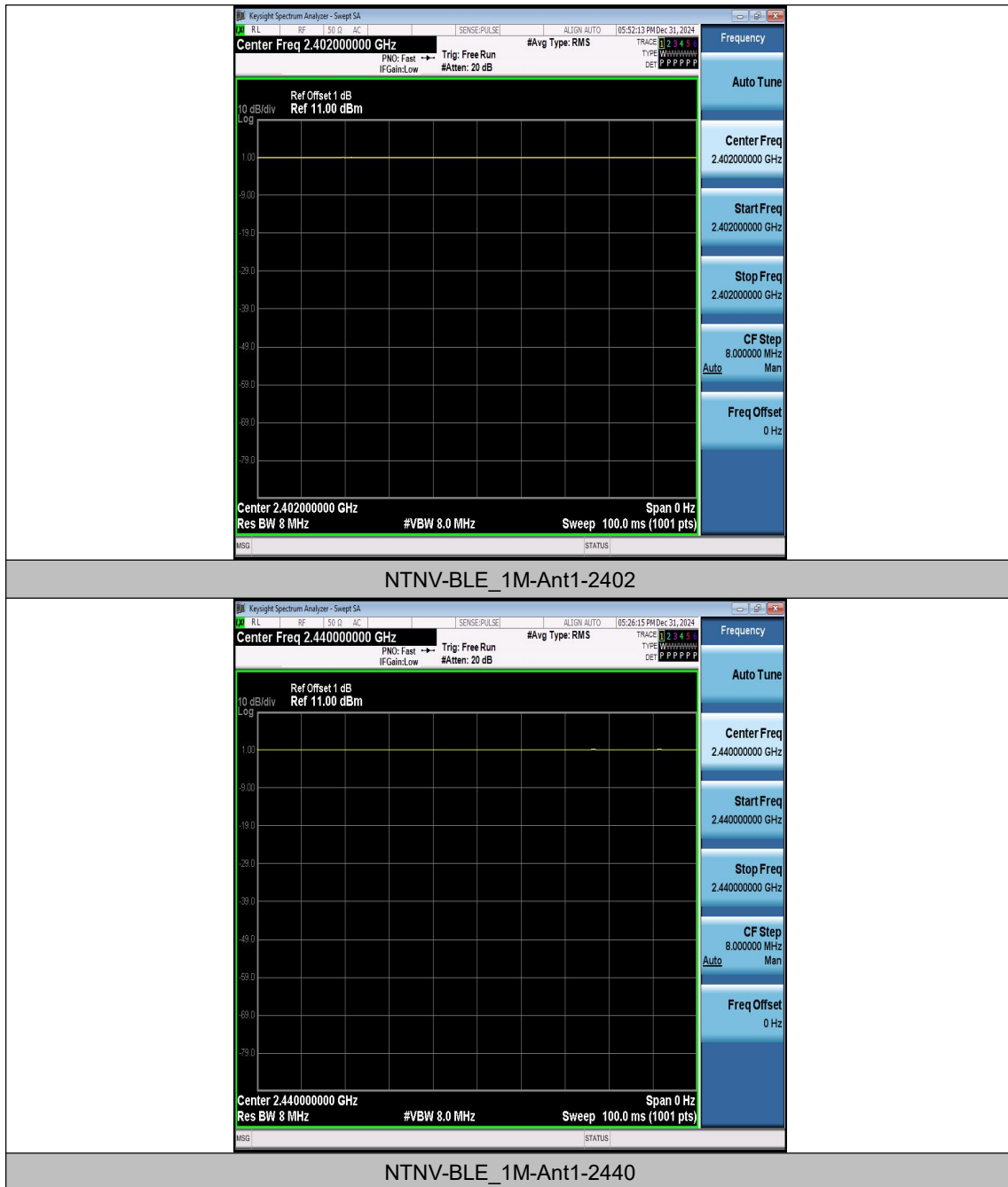
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	100	100	100	0
BLE_1M	Ant1	2440	100	100	100	0
BLE_1M	Ant1	2480	100	100	100	0

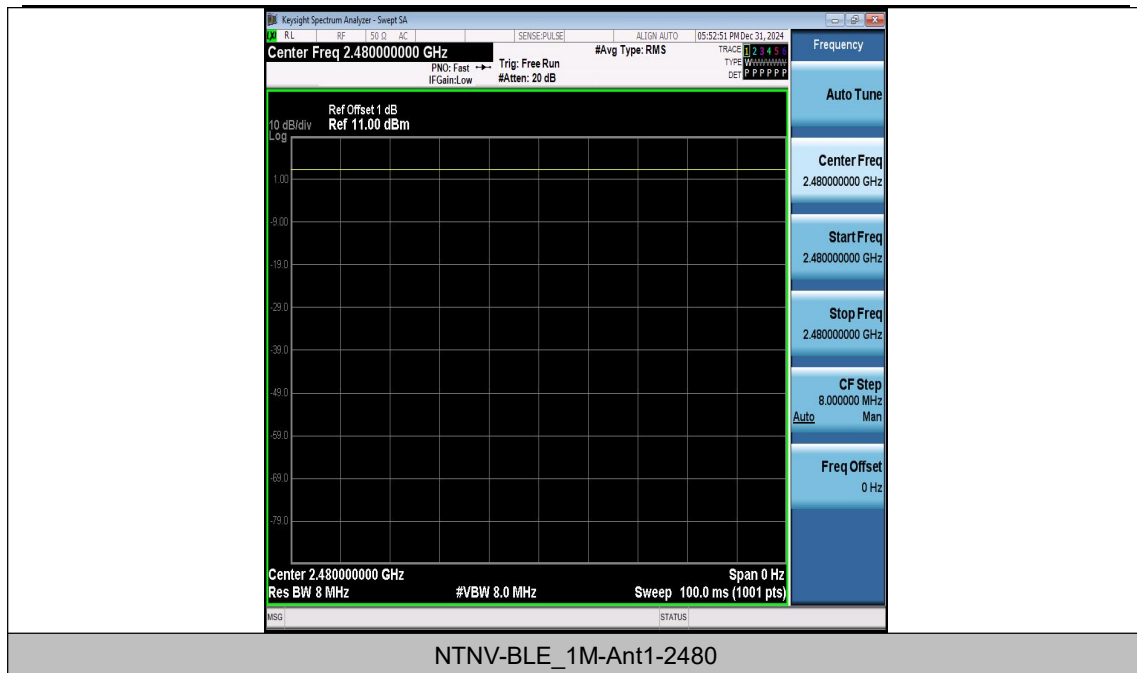
Test Graphs



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