

Appendix Test Data

Report No.:	1821C40001812502	Test Sample No.:	1-2-2
Start Test Date:	2024.09.09	Finish Test Date:	2024.09.12
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	22.9℃	Relative Humidity:	53%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.616	2402.320	0.5	PASS
BLE_1M	Ant1	2440	0.632	2439.652	2440.284	0.5	PASS
BLE_1M	Ant1	2480	0.612	2479.672	2480.284	0.5	PASS



Test Graphs



Shenzhen Anbotech Compliance Laboratory Limited

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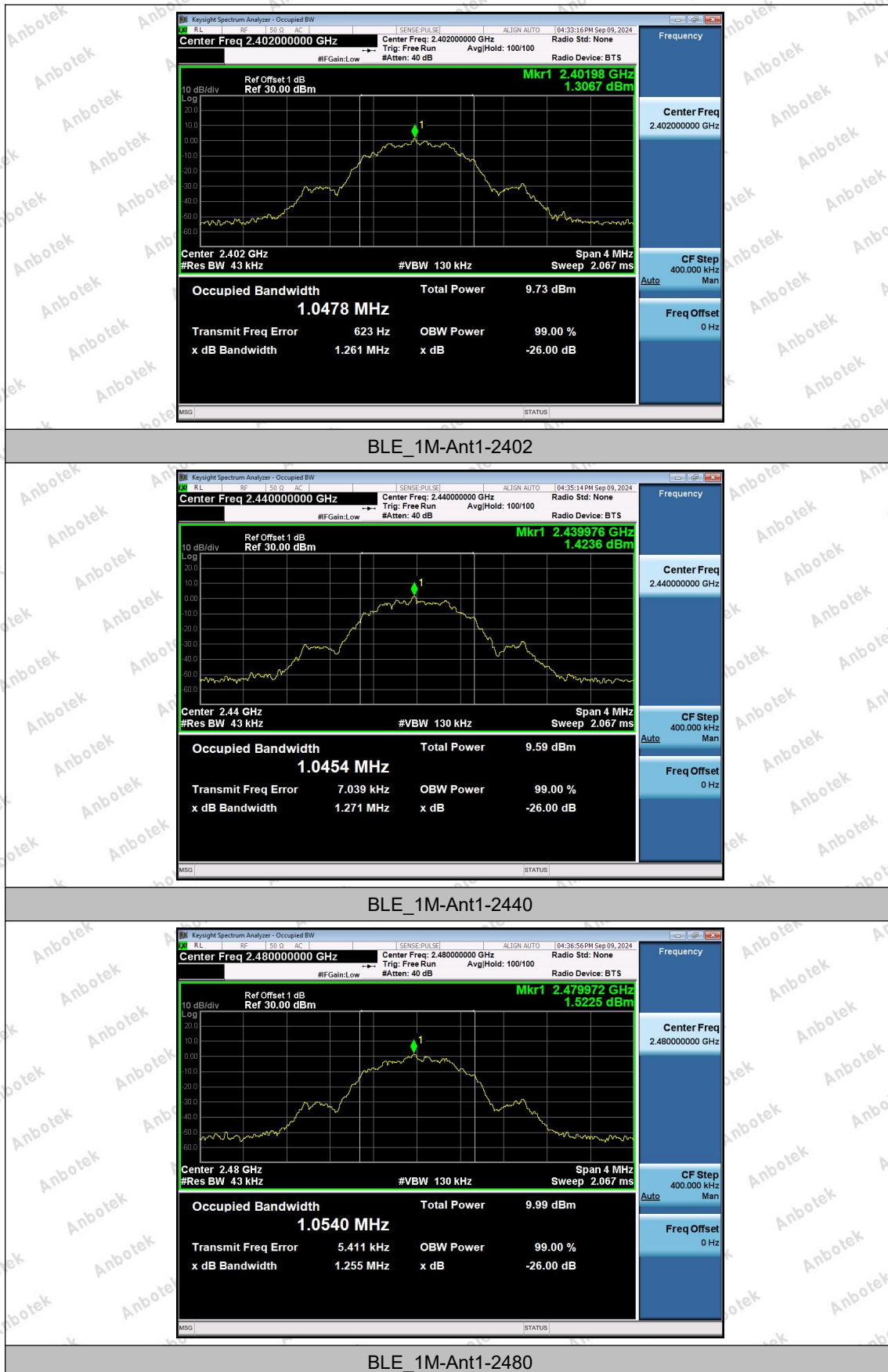
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0478	2401.4767	2402.5245	---	---
BLE_1M	Ant1	2440	1.0454	2439.4843	2440.5297	---	---
BLE_1M	Ant1	2480	1.0540	2479.4784	2480.5324	---	---



Test Graphs



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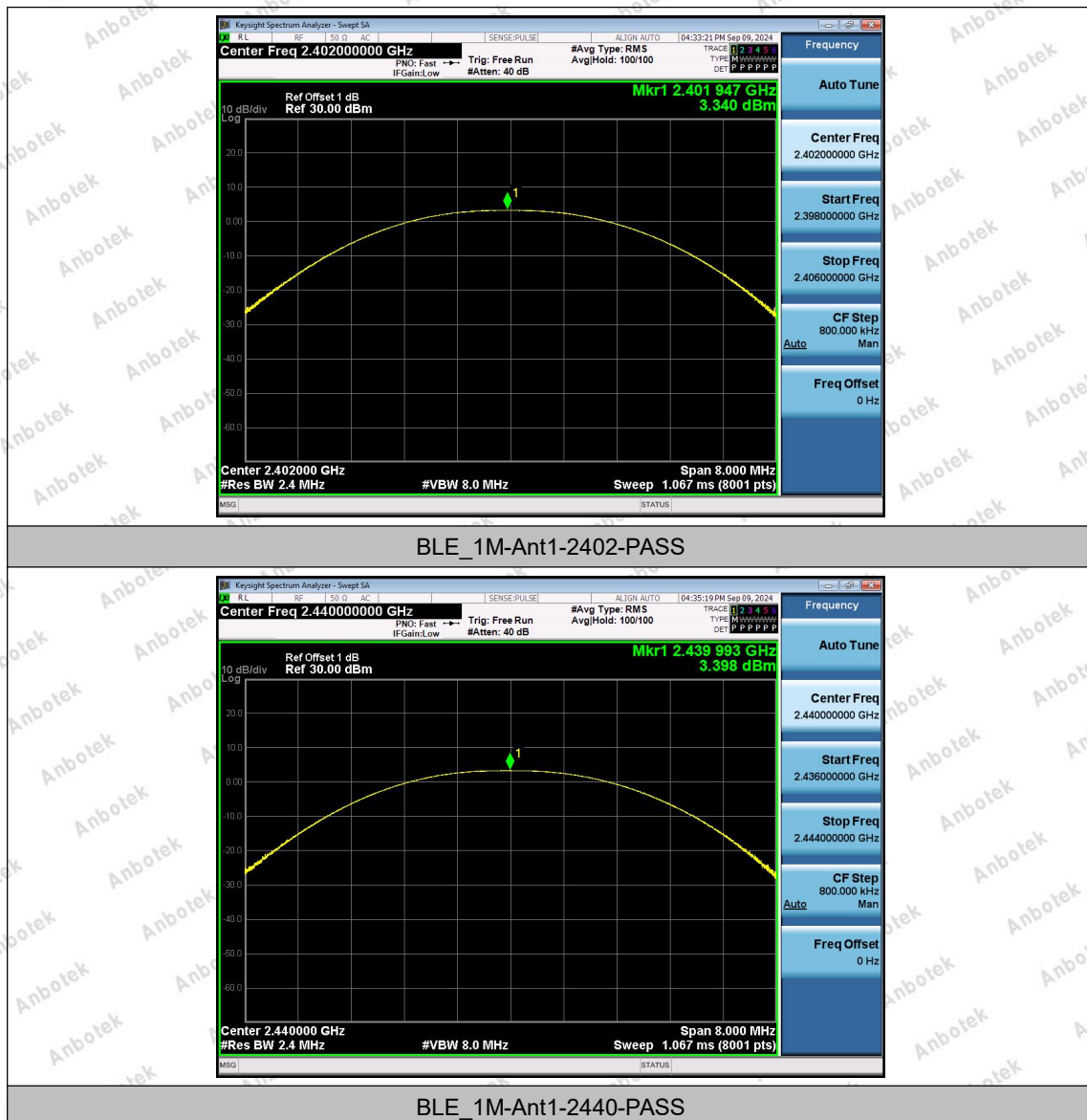


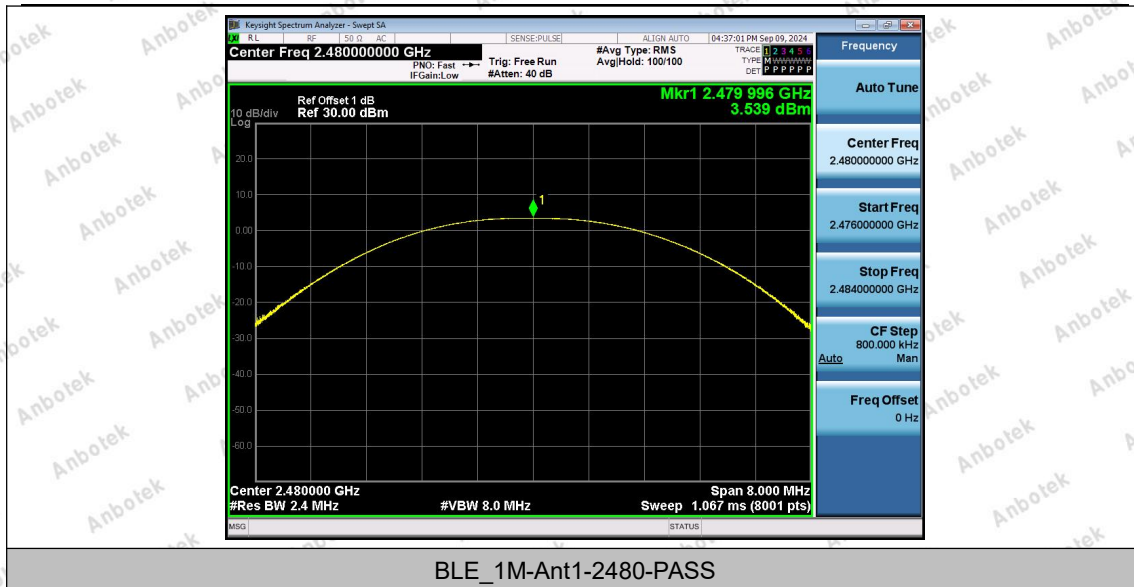
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.34	≤30	PASS
BLE_1M	Ant1	2440	3.40	≤30	PASS
BLE_1M	Ant1	2480	3.54	≤30	PASS

Test Graphs Peak



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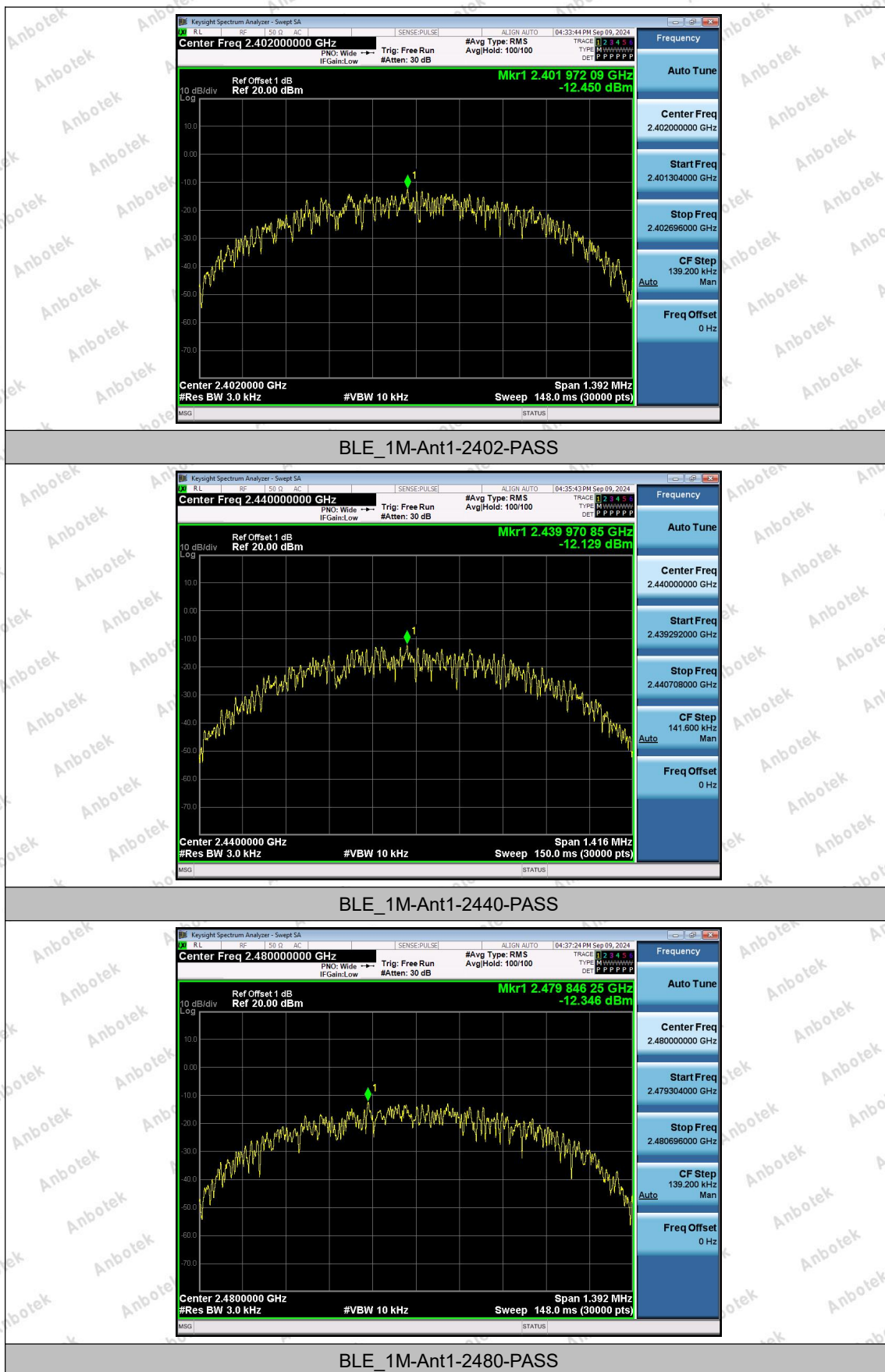
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.45	≤8.00	PASS
BLE_1M	Ant1	2440	-12.13	≤8.00	PASS
BLE_1M	Ant1	2480	-12.35	≤8.00	PASS



Test Graphs



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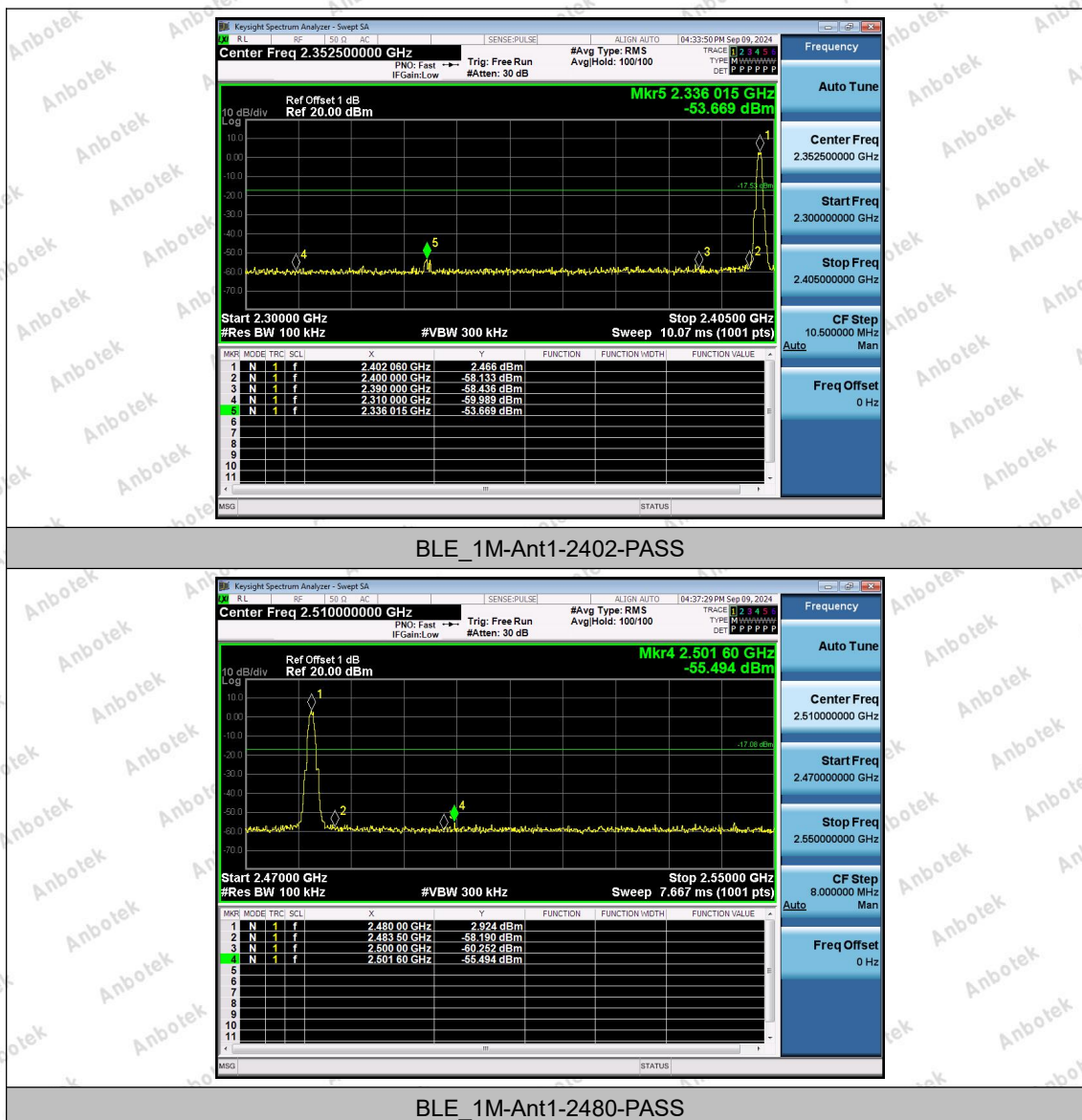
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.47	-53.67	≤-17.53	PASS
BLE_1M	Ant1	High	2480	2.92	-55.49	≤-17.08	PASS



Test Graphs



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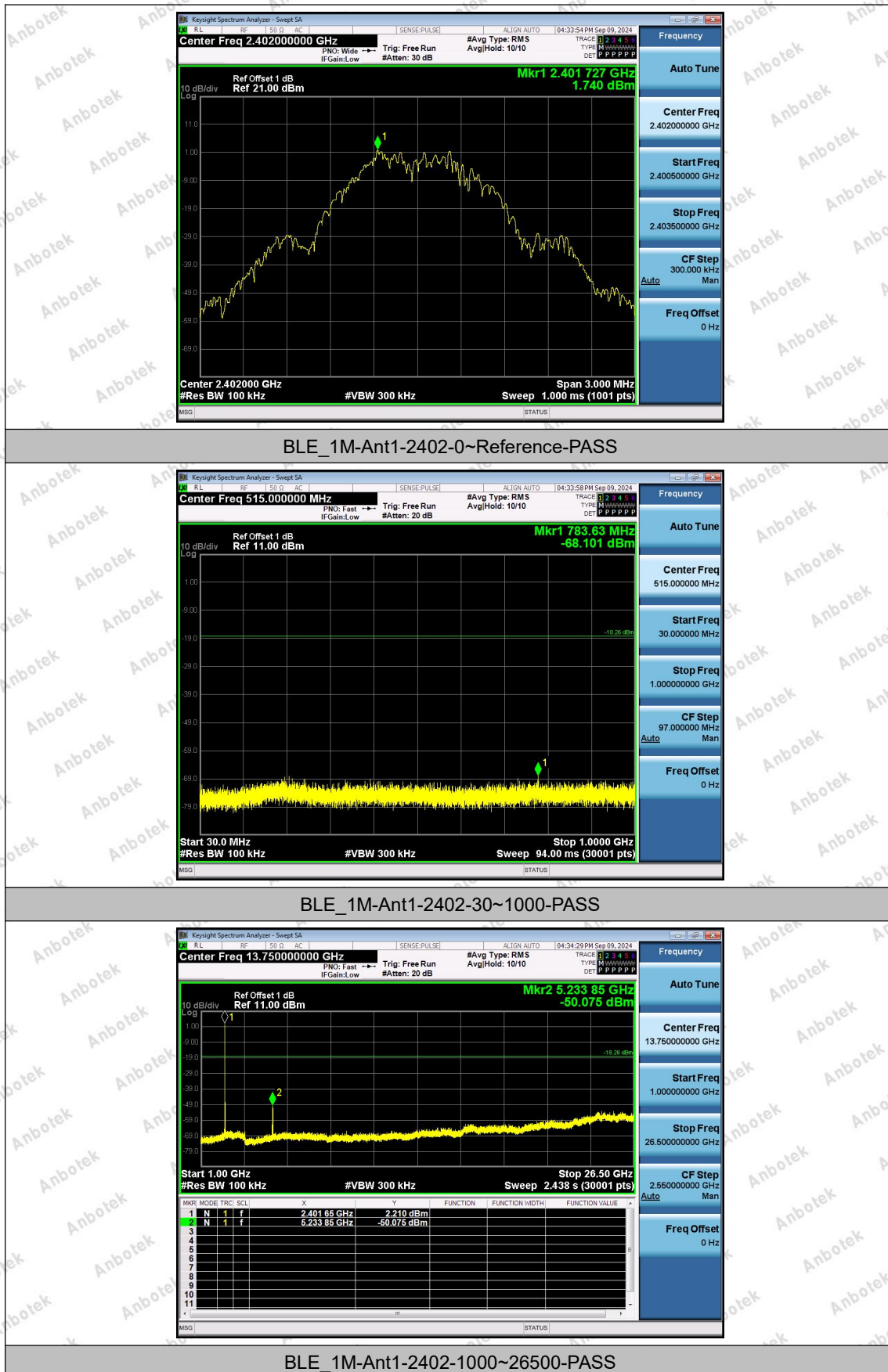
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.74	1.74	---	PASS
BLE_1M	Ant1	2402	30~1000	1.74	-68.1	≤-18.26	PASS
BLE_1M	Ant1	2402	1000~26500	1.74	-50.08	≤-18.26	PASS
BLE_1M	Ant1	2440	0~Reference	1.31	1.31	---	PASS
BLE_1M	Ant1	2440	30~1000	1.31	-68.45	≤-18.69	PASS
BLE_1M	Ant1	2440	1000~26500	1.31	-49.49	≤-18.69	PASS
BLE_1M	Ant1	2480	0~Reference	2.63	2.63	---	PASS
BLE_1M	Ant1	2480	30~1000	2.63	-68.49	≤-17.37	PASS
BLE_1M	Ant1	2480	1000~26500	2.63	-45.87	≤-17.37	PASS



Test Graphs



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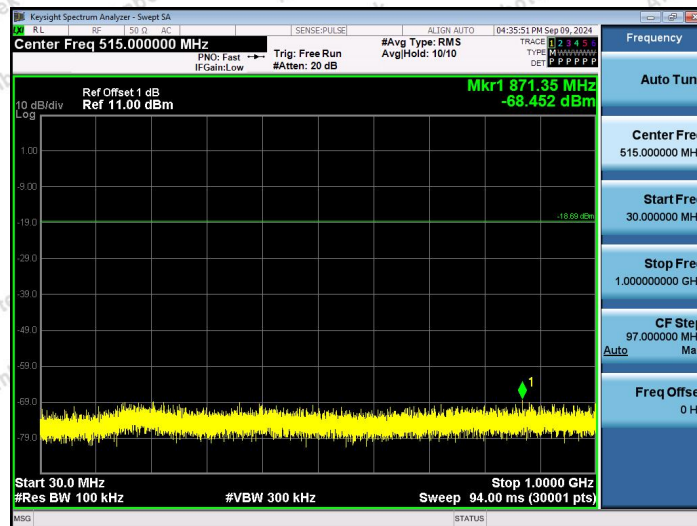


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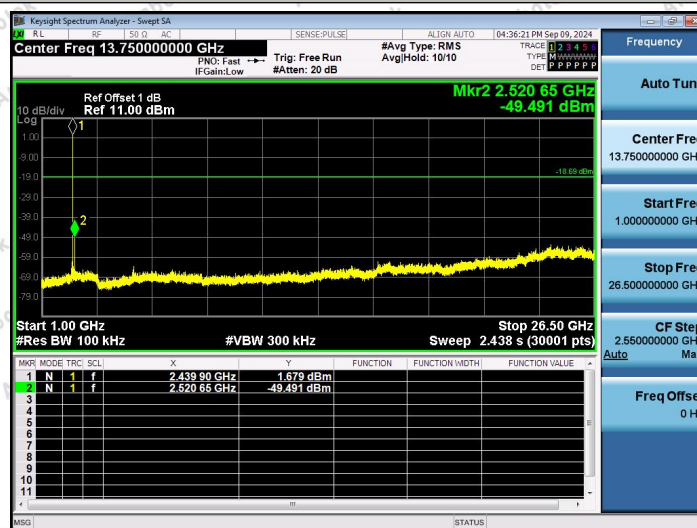




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS

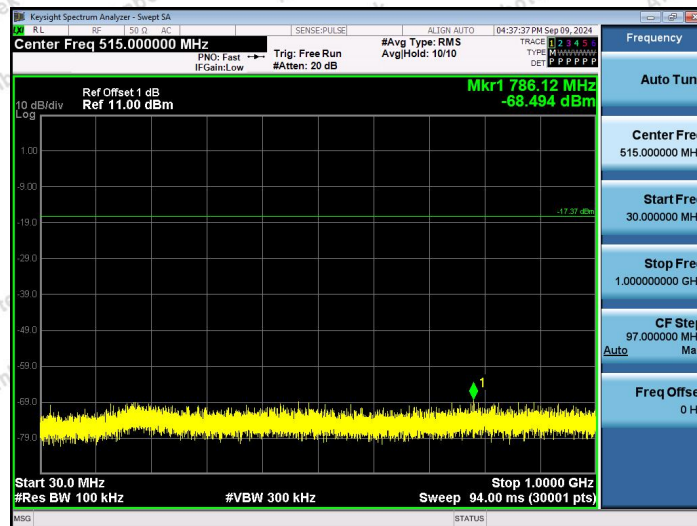


BLE_1M-Ant1-2440-1000~26500-PASS

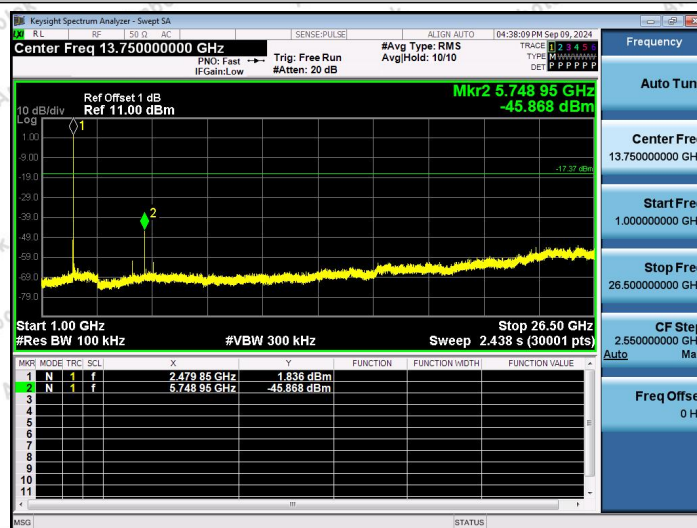




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS



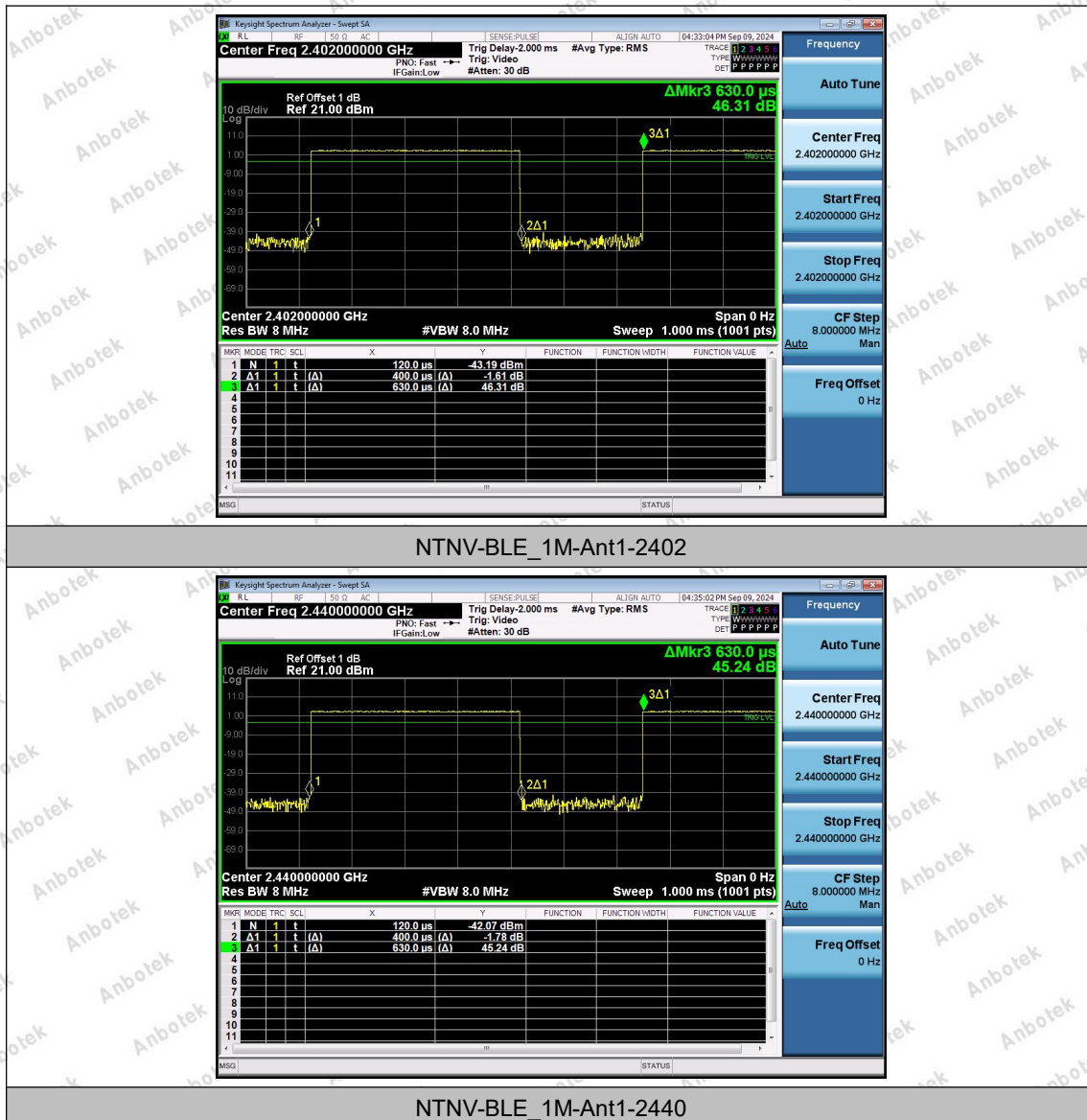
Appendix G: Duty Cycle

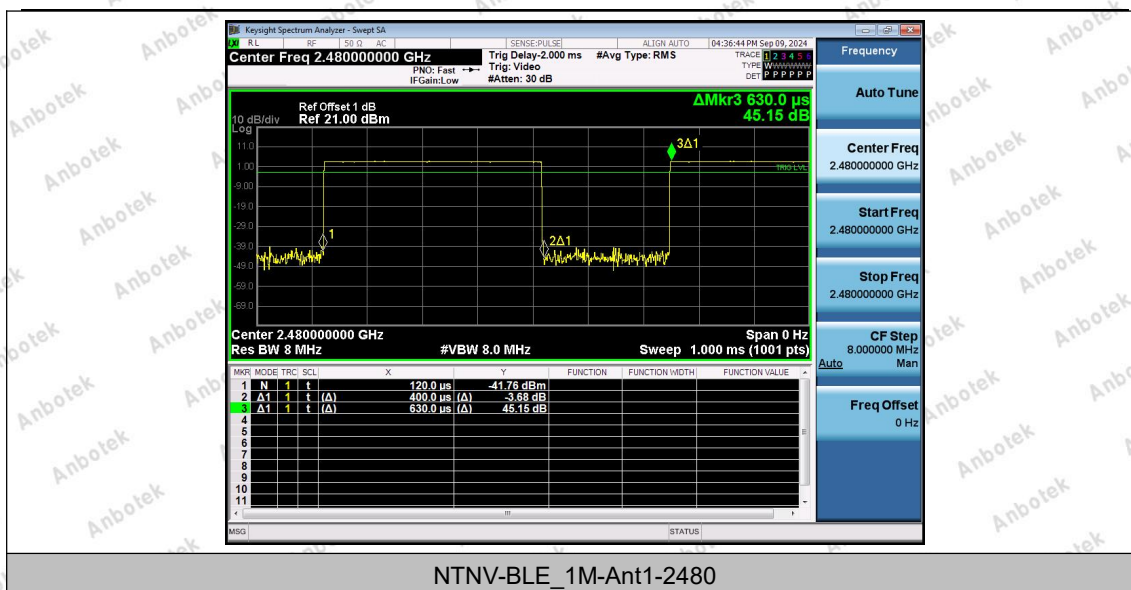
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
BLE_1M	Ant1	2440	0.40	0.63	63.49	1.97
BLE_1M	Ant1	2480	0.40	0.63	63.49	1.97



Test Graphs





---End---

