

Appendix Test Data

Report No.:	182512C400470101	Test Sample No.:	1-2-2
Start Test Date:	2024.7.30	Finish Test Date:	2024.7.30
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
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	0.728	2401.600	2402.328	0.5	PASS
BLE_1M	Ant1	2440	0.696	2439.628	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.700	2479.616	2480.316	0.5	PASS



Test Graphs



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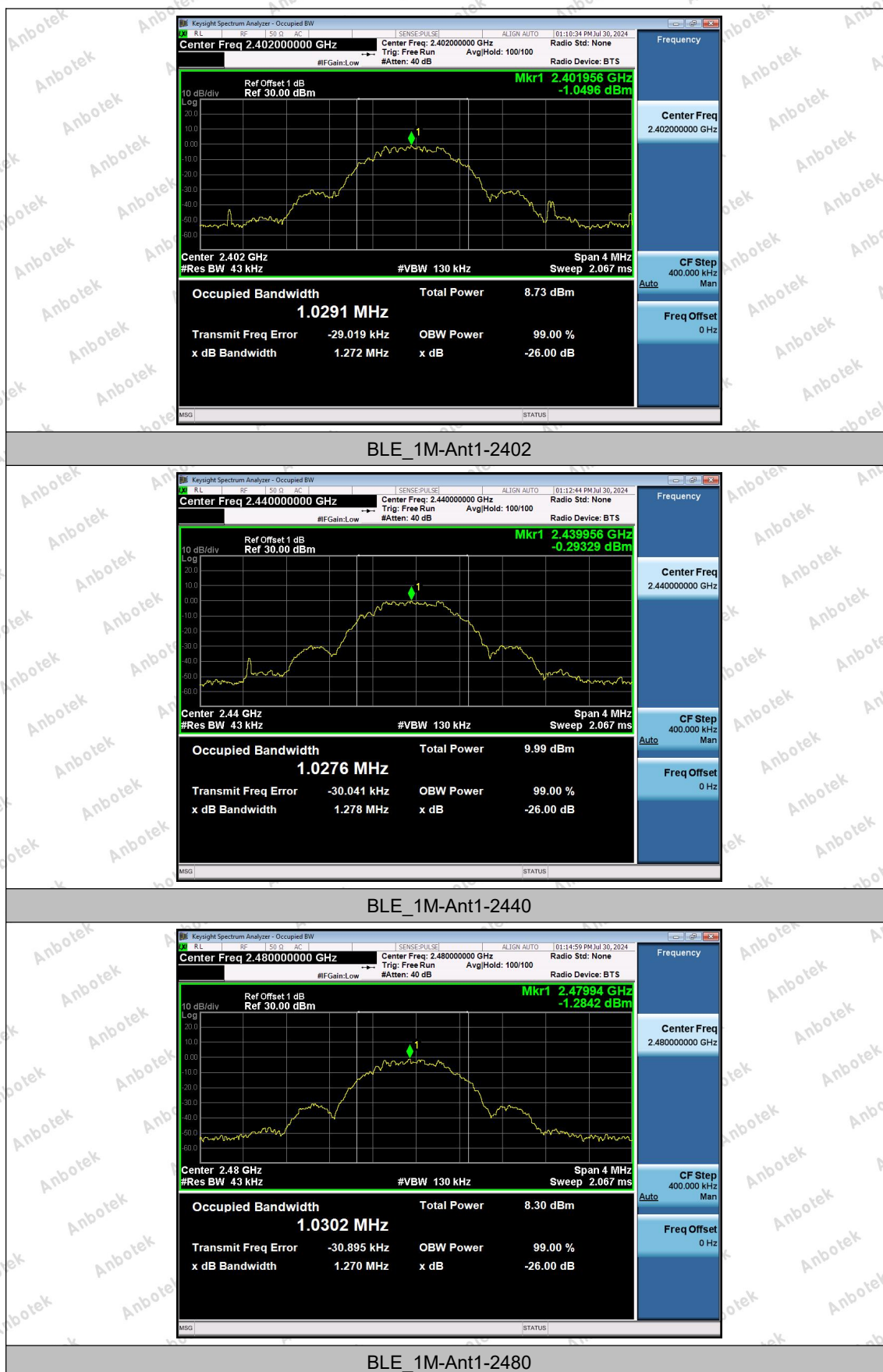
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0291	2401.4564	2402.4855	---	---
BLE_1M	Ant1	2440	1.0276	2439.4562	2440.4838	---	---
BLE_1M	Ant1	2480	1.0302	2479.4540	2480.4842	---	---



Test Graphs



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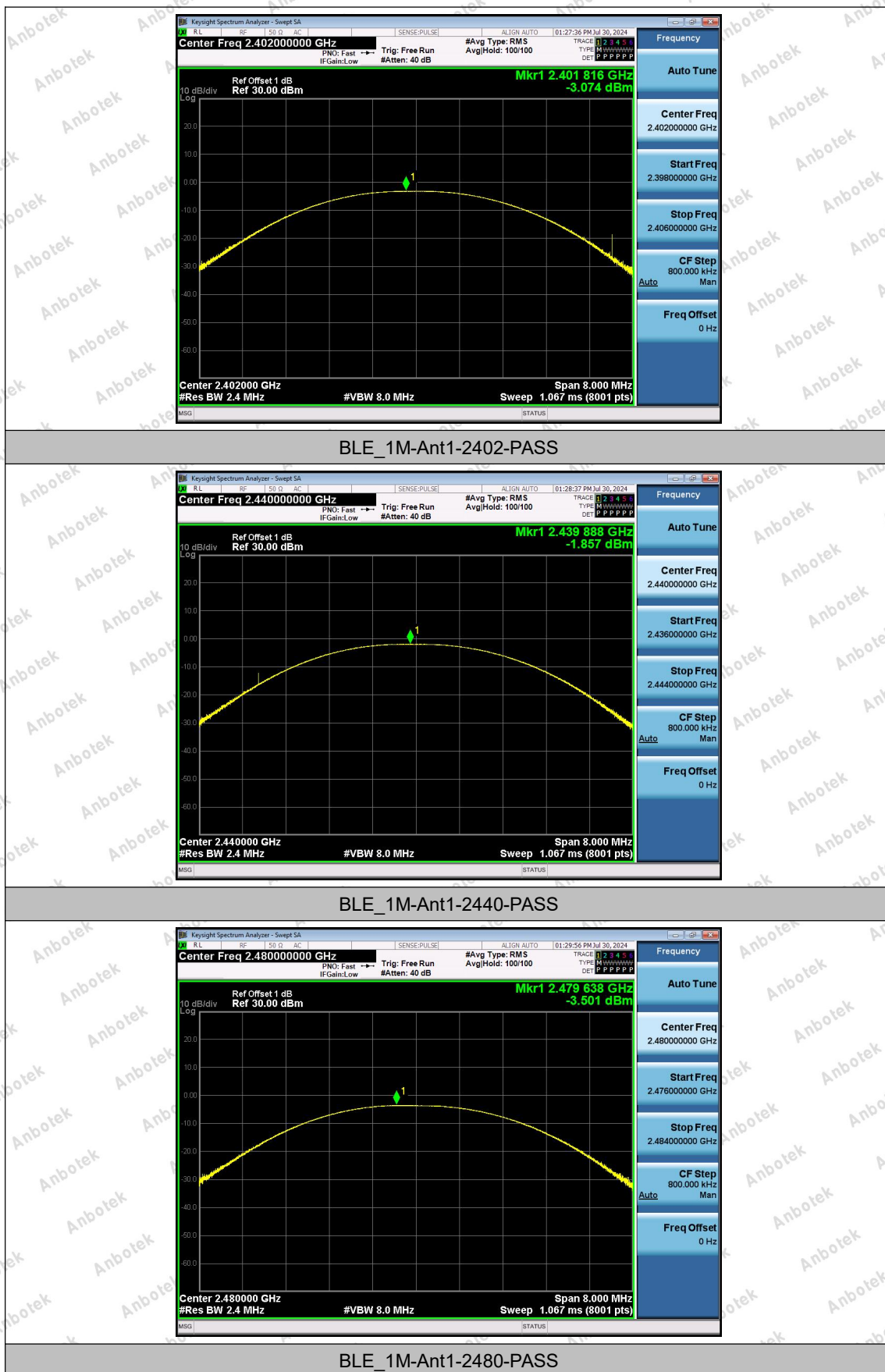
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.07	≤30	PASS
BLE_1M	Ant1	2440	-1.86	≤30	PASS
BLE_1M	Ant1	2480	-3.50	≤30	PASS



Test Graphs Peak



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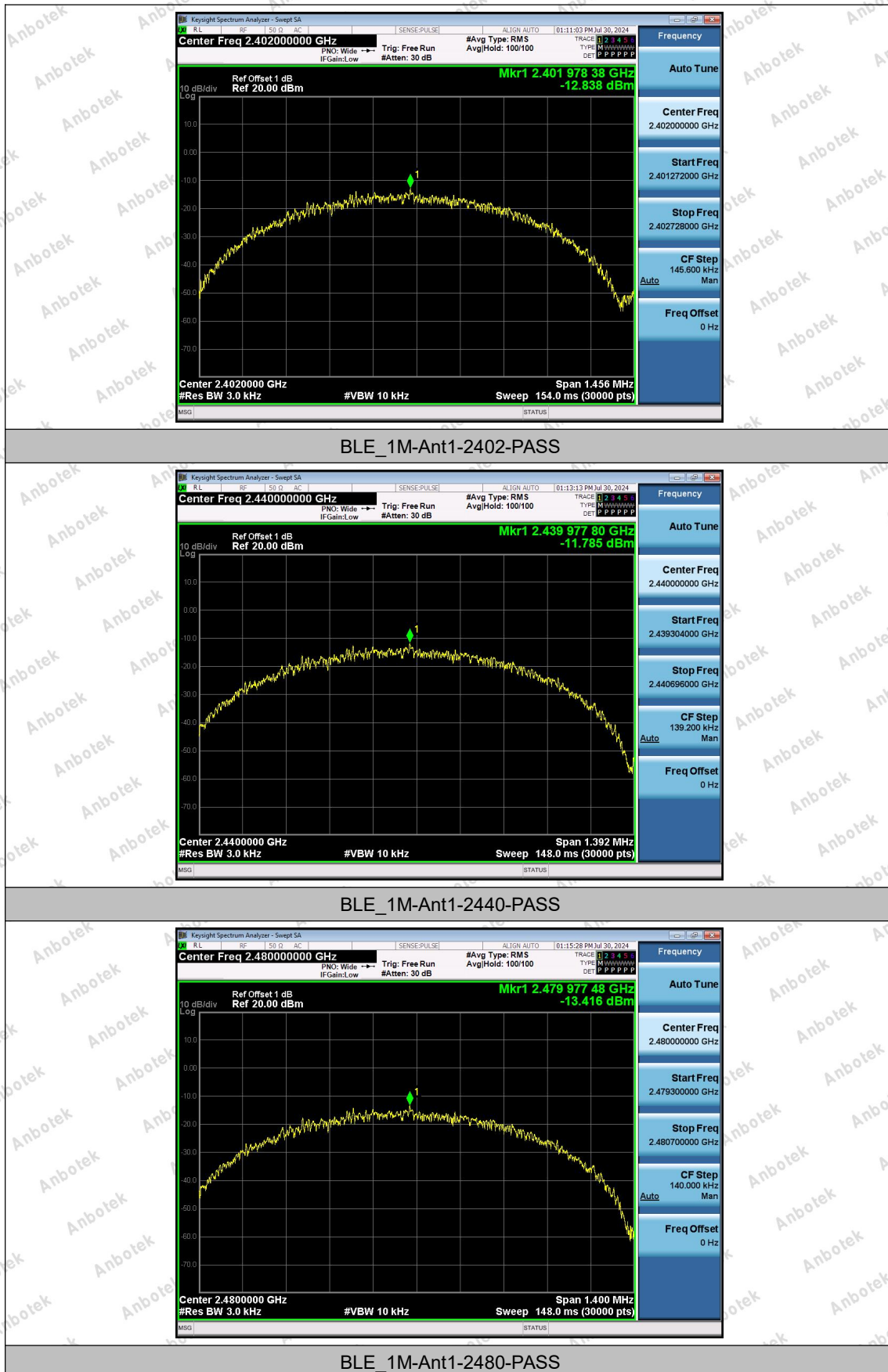
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.84	≤8.00	PASS
BLE_1M	Ant1	2440	-11.79	≤8.00	PASS
BLE_1M	Ant1	2480	-13.42	≤8.00	PASS



Test Graphs



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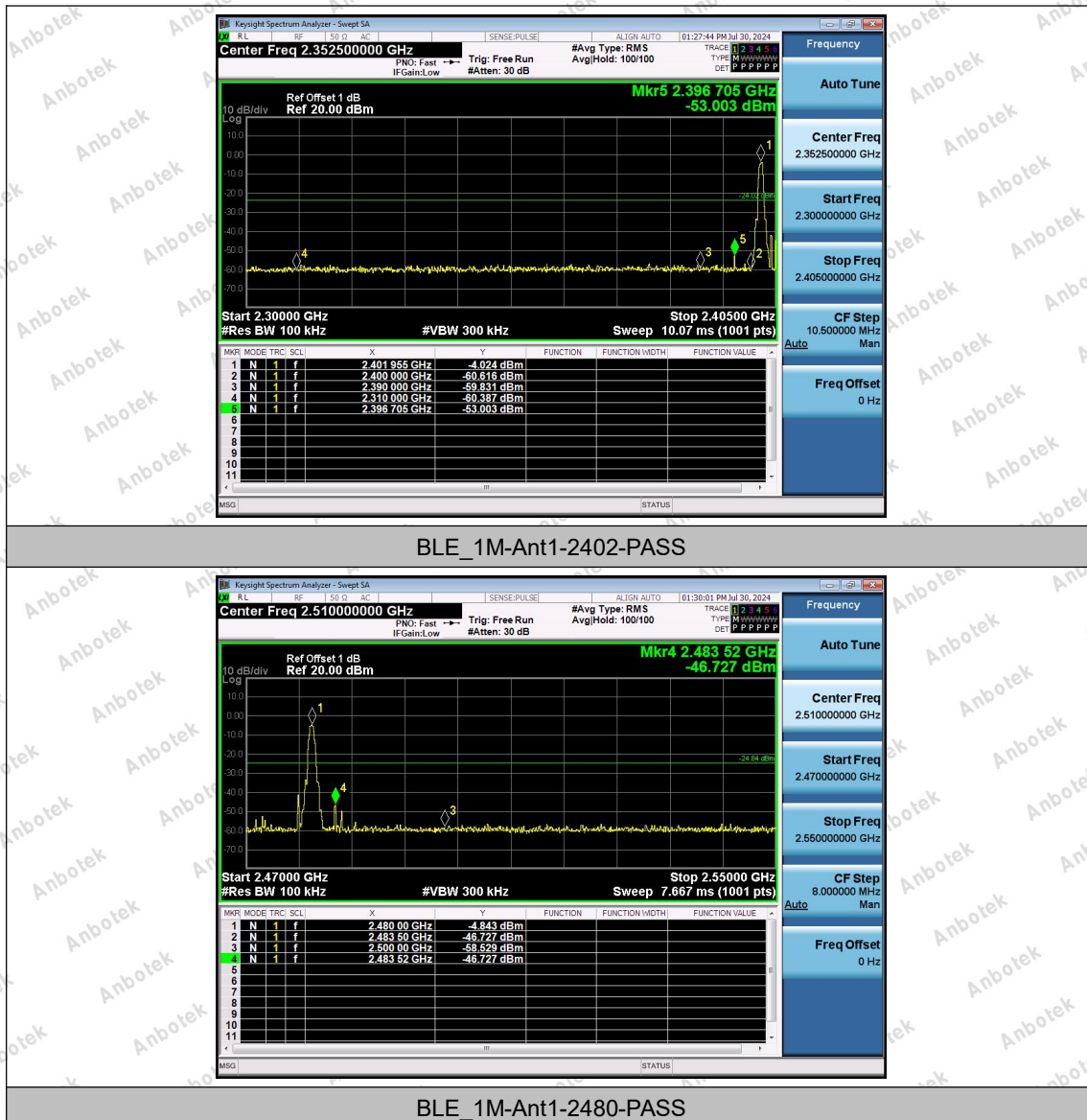
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.02	-53	≤-24.02	PASS
BLE_1M	Ant1	High	2480	-4.84	-46.73	≤-24.84	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	-4.99	-4.99	---	PASS
BLE_1M	Ant1	2402	30~1000	-4.99	-68.91	≤-24.99	PASS
BLE_1M	Ant1	2402	1000~26500	-4.99	-53.23	≤-24.99	PASS
BLE_1M	Ant1	2440	0~Reference	-3.72	-3.72	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.72	-67.53	≤-23.72	PASS
BLE_1M	Ant1	2440	1000~26500	-3.72	-53.35	≤-23.72	PASS
BLE_1M	Ant1	2480	0~Reference	-4.20	-4.20	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.20	-68.18	≤-24.2	PASS
BLE_1M	Ant1	2480	1000~26500	-4.20	-53.77	≤-24.2	PASS



Test Graphs



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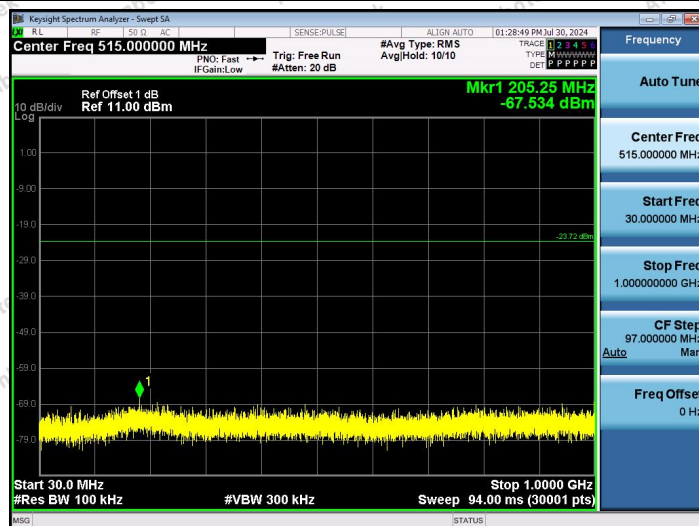


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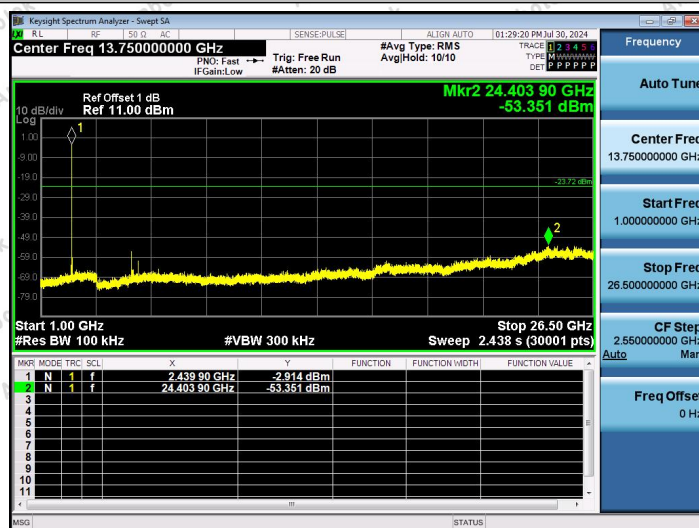




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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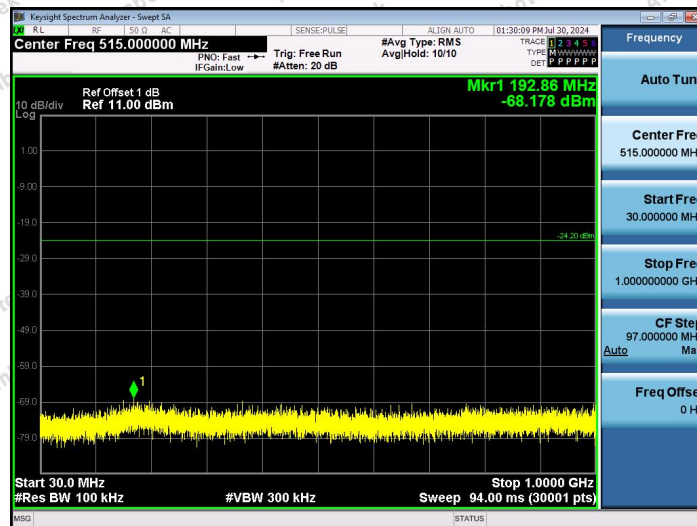


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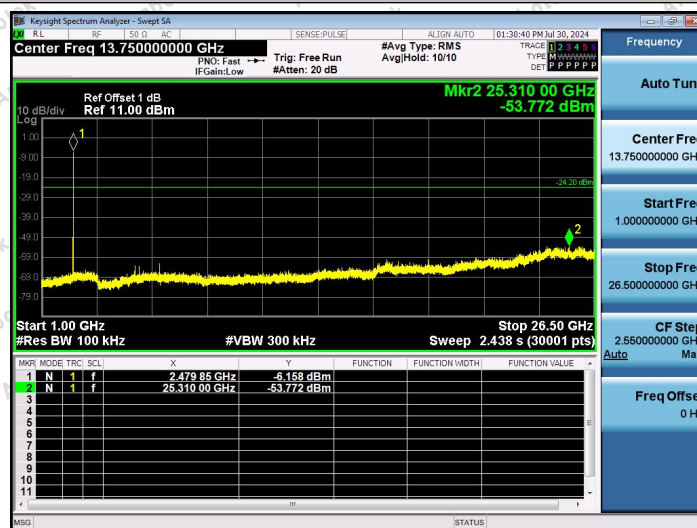




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS



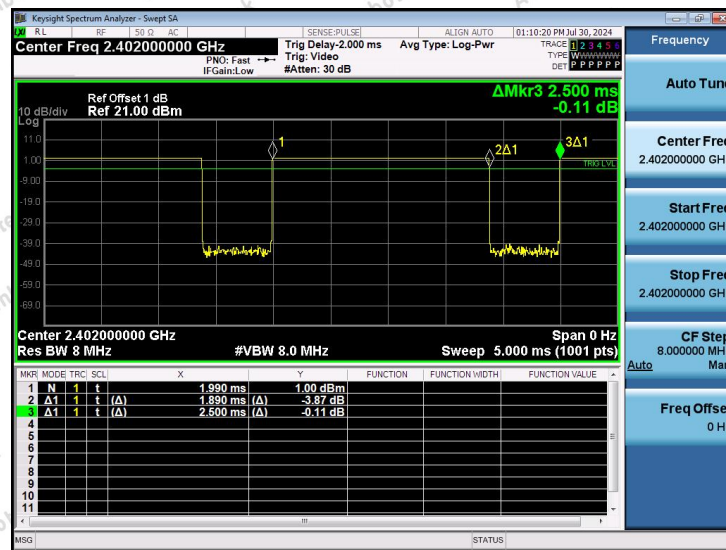
Appendix G: Duty Cycle

Test Result

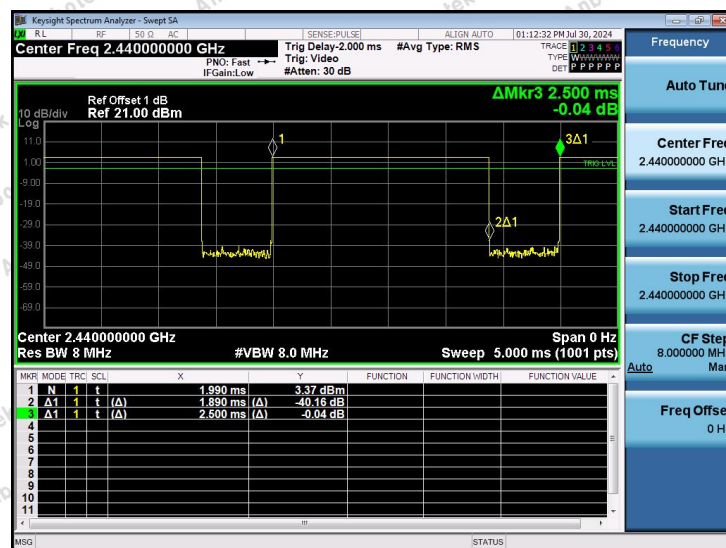
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	1.89	2.50	75.60	1.21
BLE_1M	Ant1	2440	1.89	2.50	75.60	1.21
BLE_1M	Ant1	2480	0.99	2.50	39.60	4.02



Test Graphs

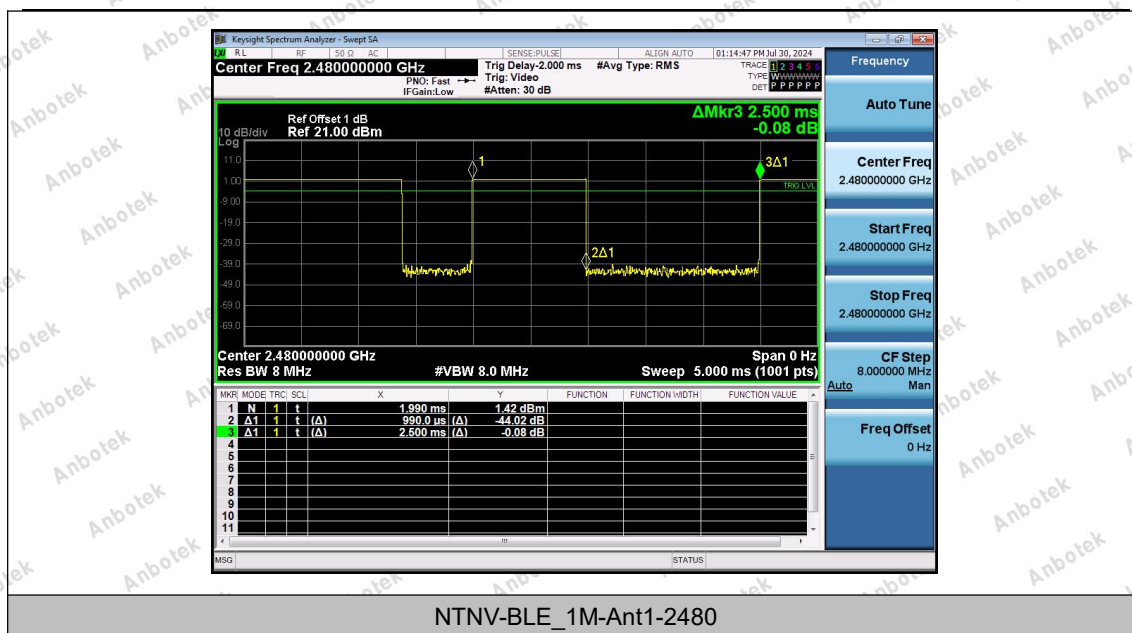


NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440





---End---

