

Appendix Test Data

Report No.:	18220WC40066401	Test Sample No.:	1-2-2
Start Test Date:	2024.5.30	Finish Test Date:	2024.6.18
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

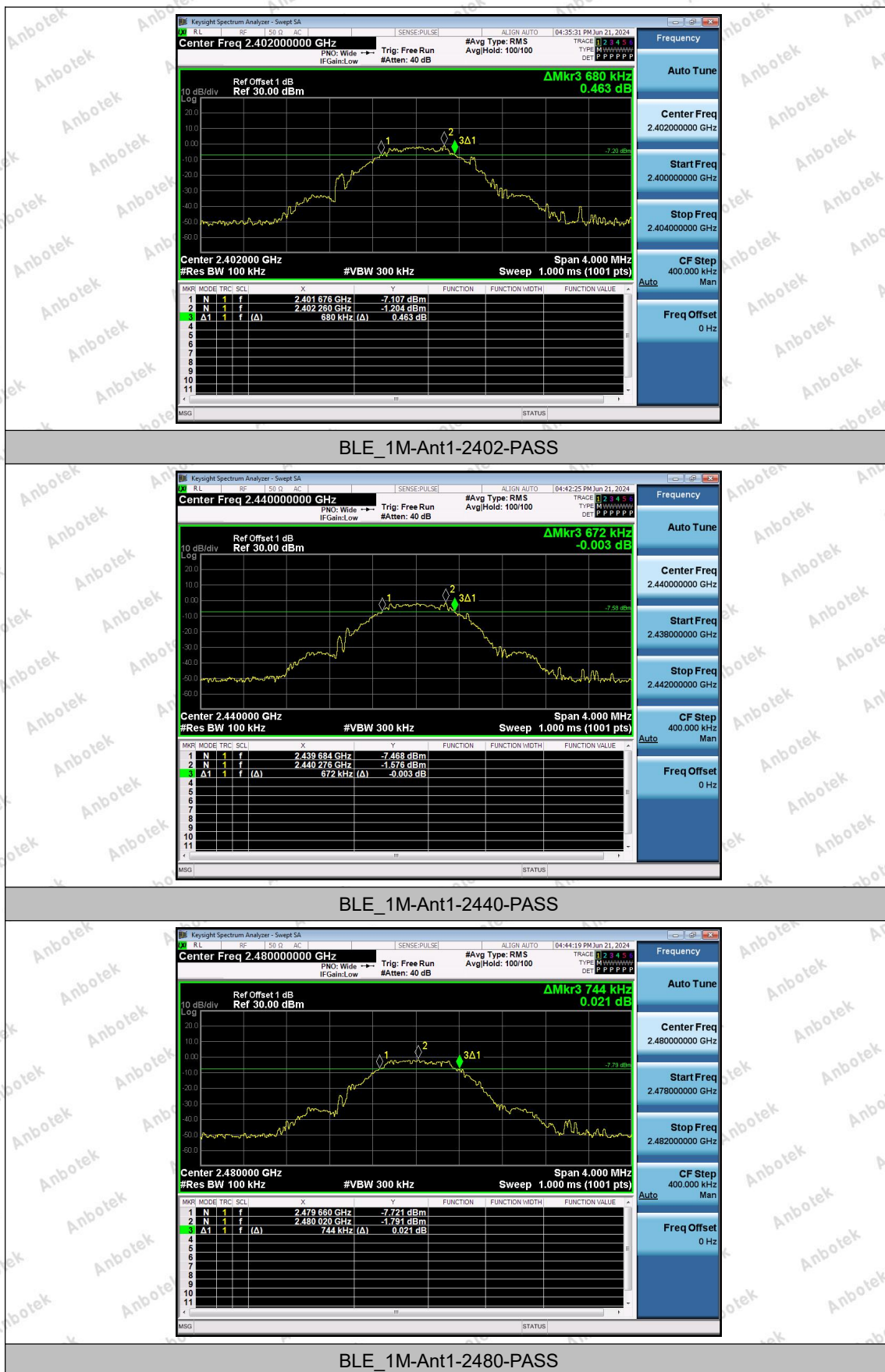
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.680	2401.676	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.672	2439.684	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.744	2479.660	2480.404	0.5	PASS



Test Graphs



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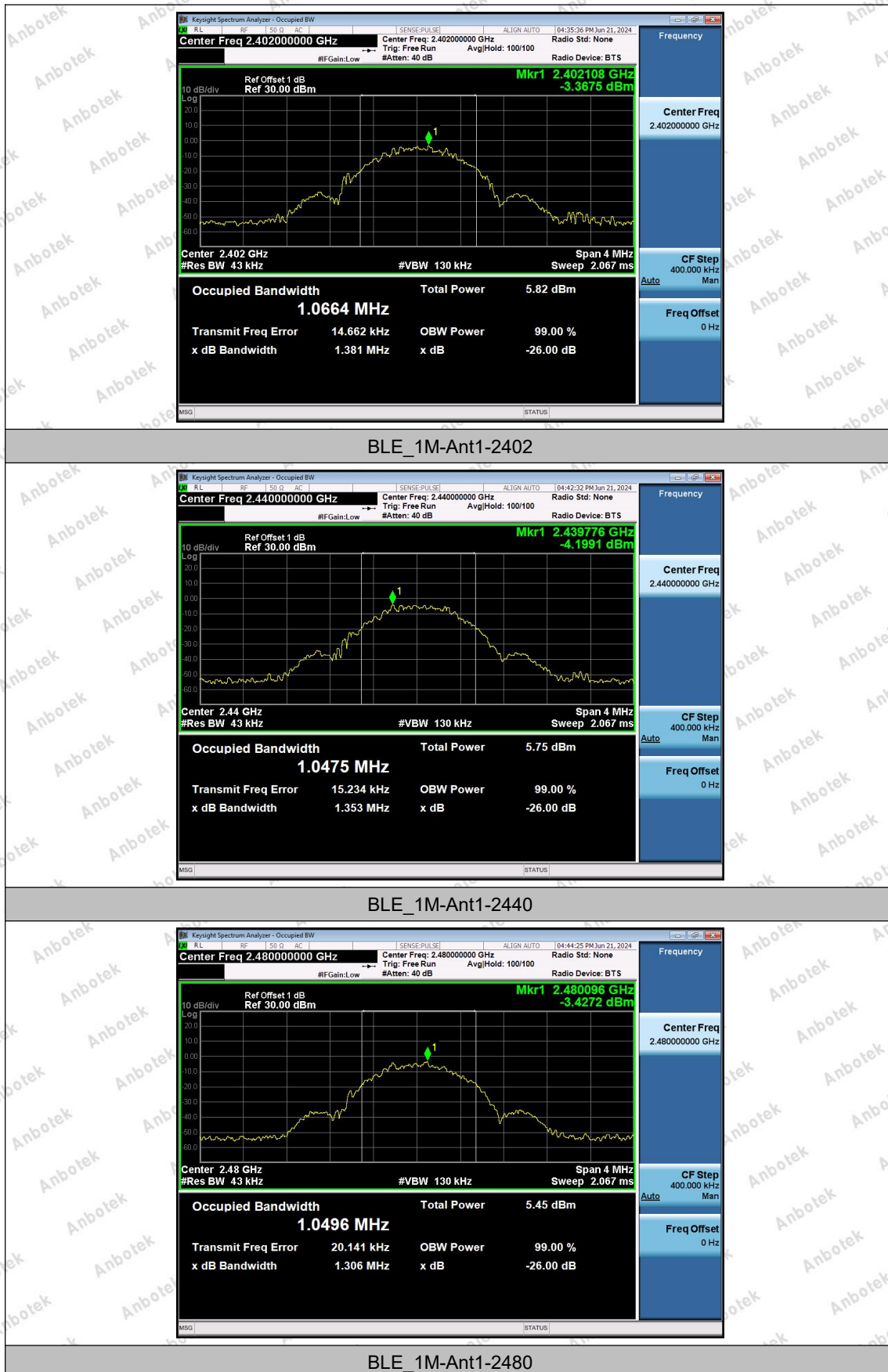
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0664	2401.4815	2402.5479	---	---
BLE_1M	Ant1	2440	1.0475	2439.4915	2440.5390	---	---
BLE_1M	Ant1	2480	1.0496	2479.4953	2480.5449	---	---



Test Graphs



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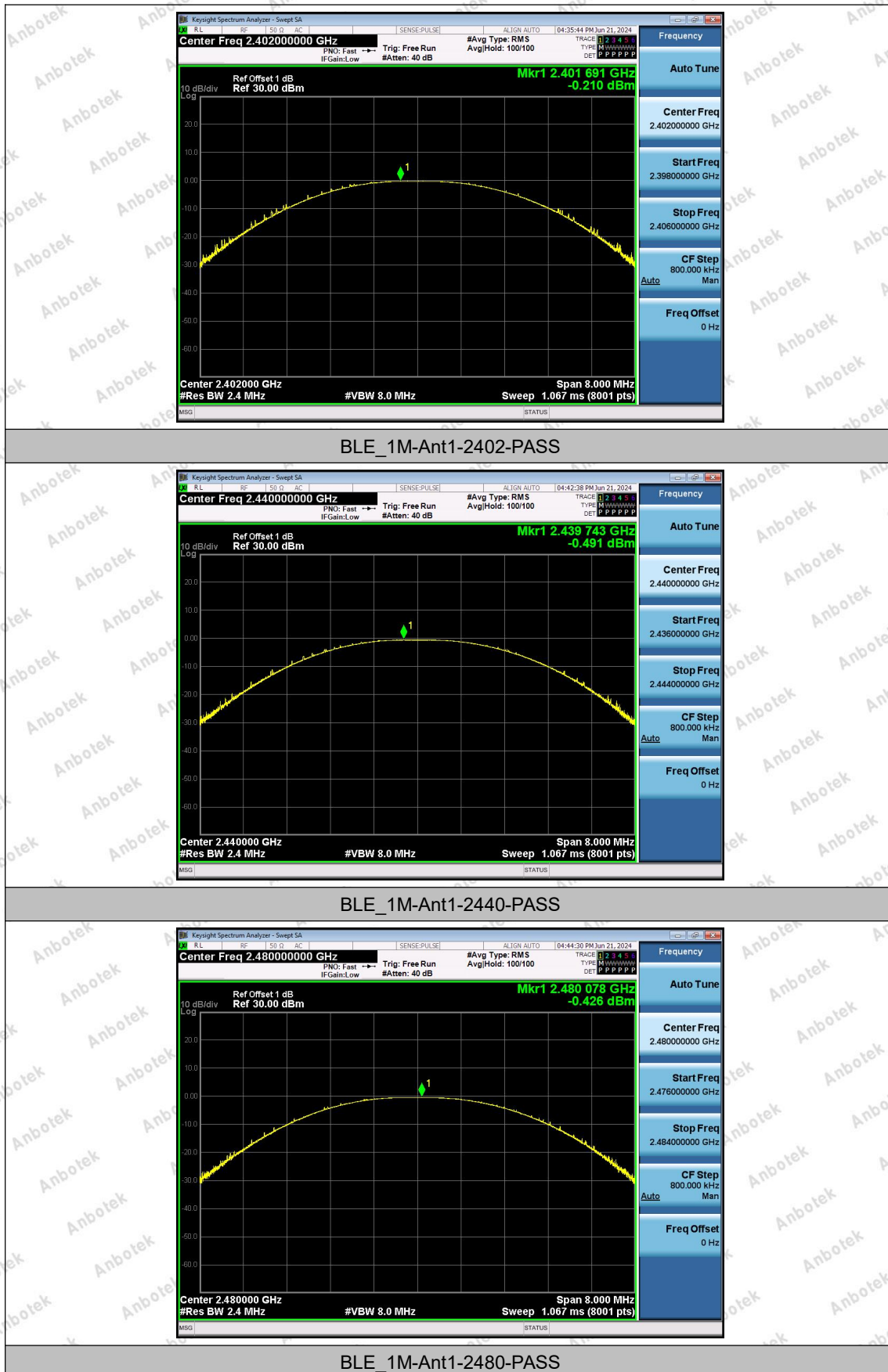
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.21	≤30	PASS
BLE_1M	Ant1	2440	-0.49	≤30	PASS
BLE_1M	Ant1	2480	-0.43	≤30	PASS



Test Graphs Peak



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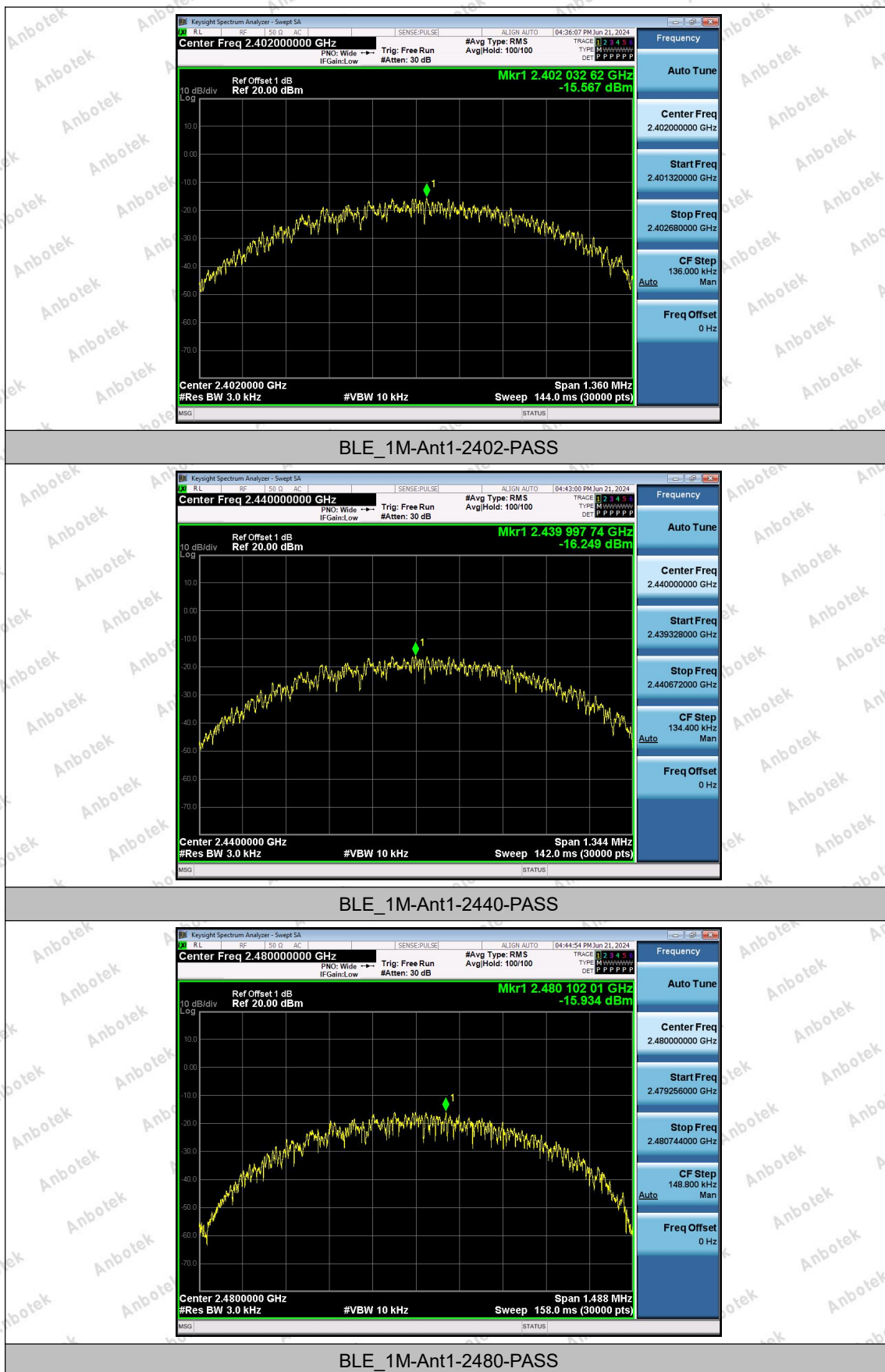
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.57	≤8.00	PASS
BLE_1M	Ant1	2440	-16.25	≤8.00	PASS
BLE_1M	Ant1	2480	-15.93	≤8.00	PASS



Test Graphs



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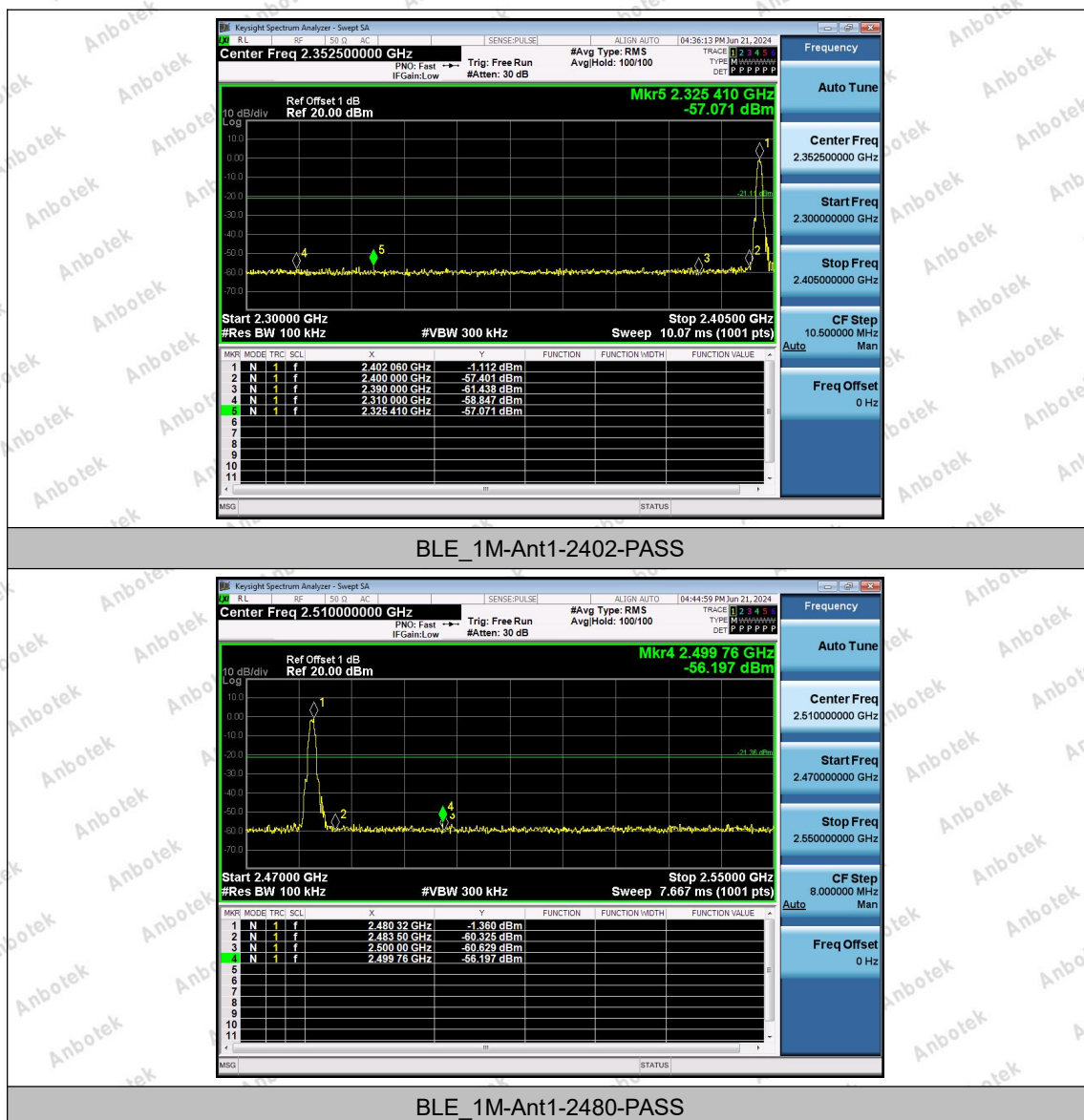


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.11	-57.07	≤-21.11	PASS
BLE_1M	Ant1	High	2480	-1.36	-56.2	≤-21.36	PASS

Test Graphs



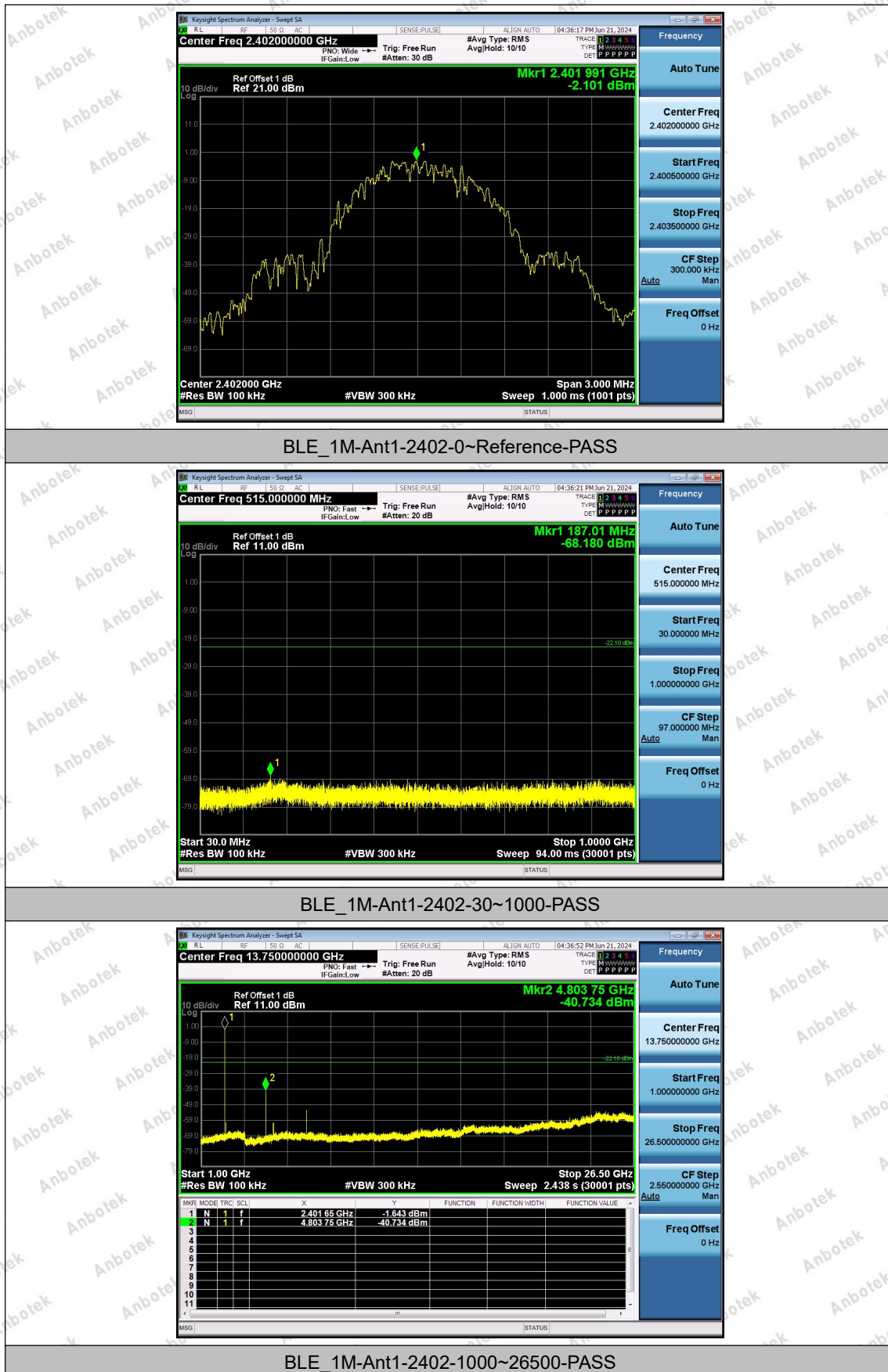
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.10	-2.10	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.10	-68.18	≤-22.1	PASS
BLE_1M	Ant1	2402	1000~26500	-2.10	-40.73	≤-22.1	PASS
BLE_1M	Ant1	2440	0~Reference	-2.31	-2.31	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.31	-68.45	≤-22.31	PASS
BLE_1M	Ant1	2440	1000~26500	-2.31	-42.44	≤-22.31	PASS
BLE_1M	Ant1	2480	0~Reference	-2.15	-2.15	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.15	-68.43	≤-22.15	PASS
BLE_1M	Ant1	2480	1000~26500	-2.15	-43.38	≤-22.15	PASS



Test Graphs



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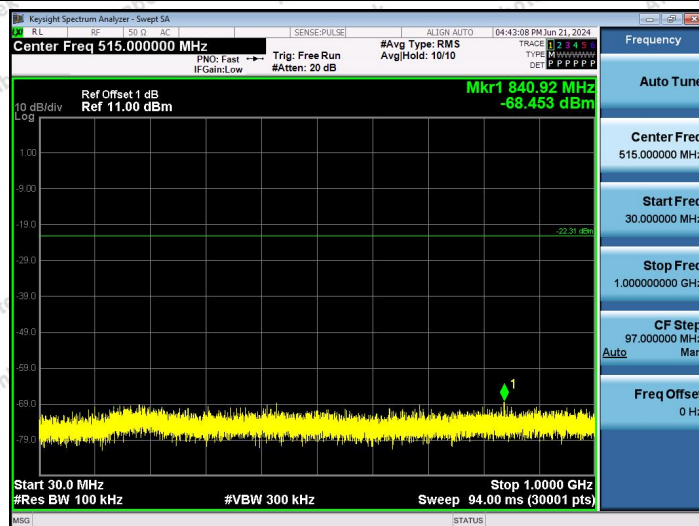


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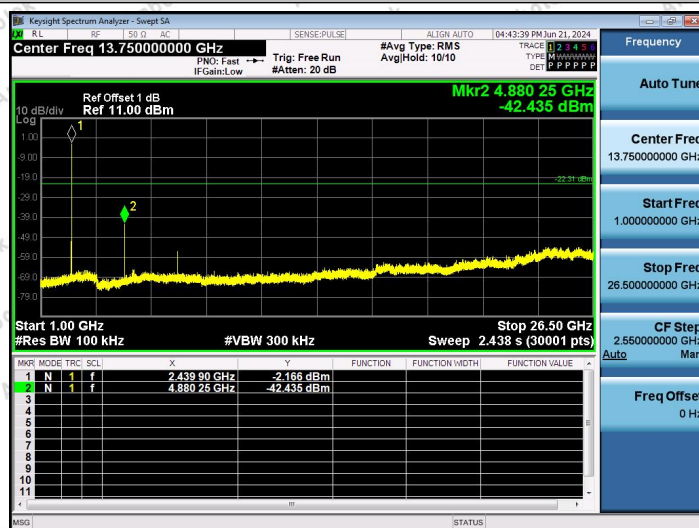




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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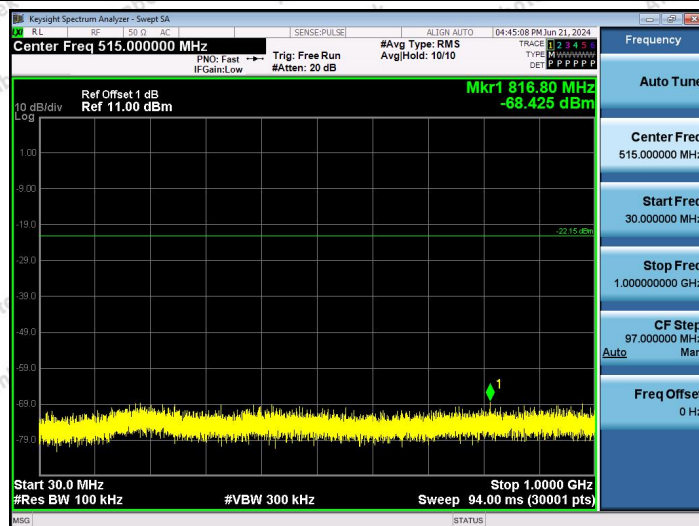


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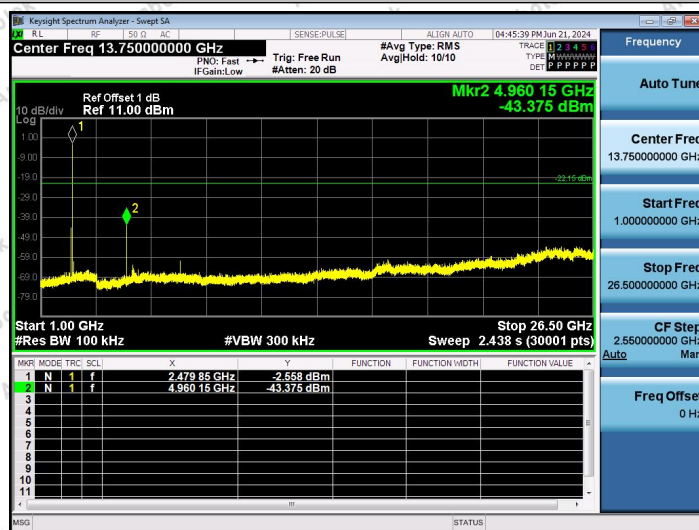




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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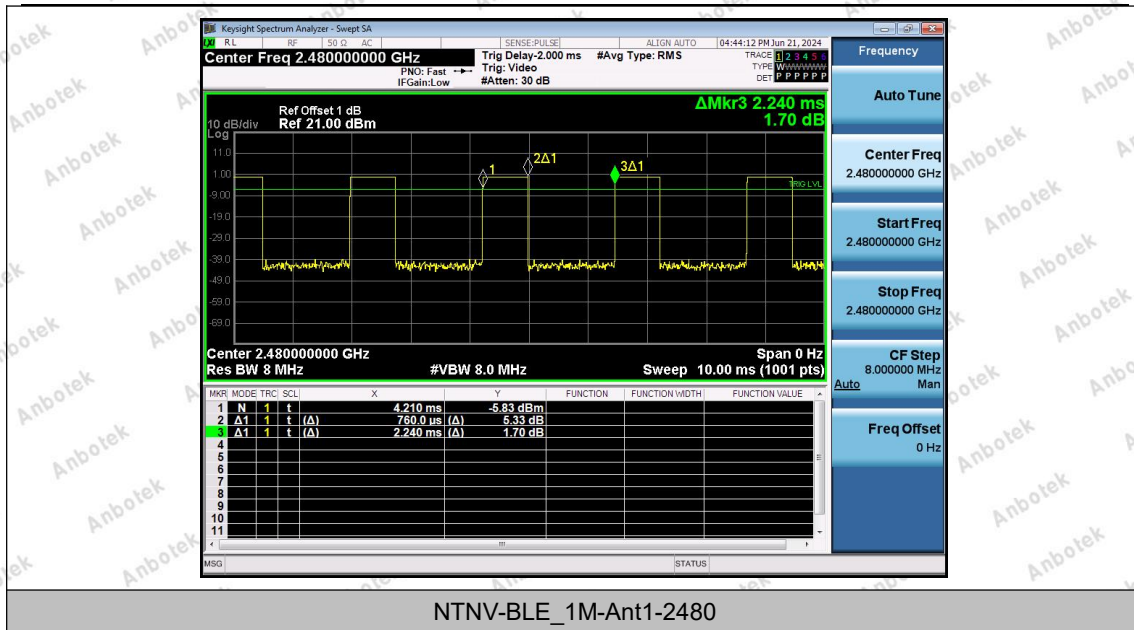


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.76	2.24	33.93	4.69
BLE_1M	Ant1	2440	0.76	2.24	33.93	4.69
BLE_1M	Ant1	2480	0.76	2.24	33.93	4.69





NTNV-BLE_1M-Ant1-2480

---End---

