

Appendix Test Data

Report No.:	1821C40001112502	Test Sample No.:	1-2-2
Start Test Date:	2024.09.09	Finish Test Date:	2024.09.10
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.8℃	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	0.684	2401.668	2402.352	0.5	PASS
BLE_1M	Ant1	2440	0.696	2439.660	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.720	2479.644	2480.364	0.5	PASS



Test Graphs



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Appendix B: 99% Occupied Bandwidth

Test Result

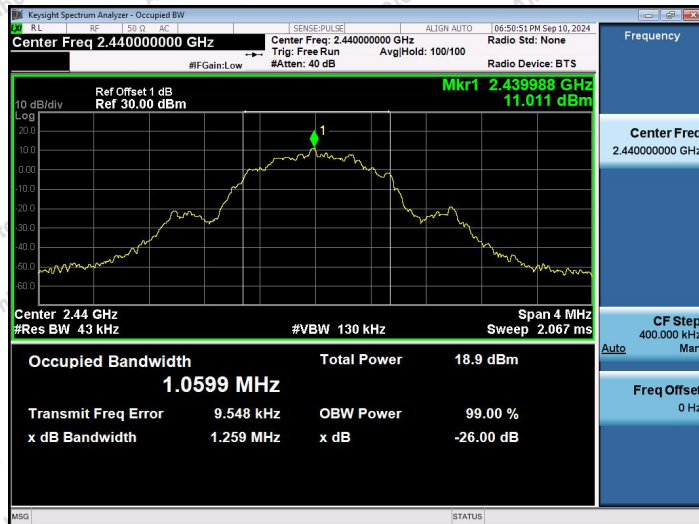
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.3838	2401.4744	2402.8582	---	---
BLE_1M	Ant1	2440	1.0599	2439.4796	2440.5395	---	---
BLE_1M	Ant1	2480	1.0695	2479.4791	2480.5486	---	---



Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

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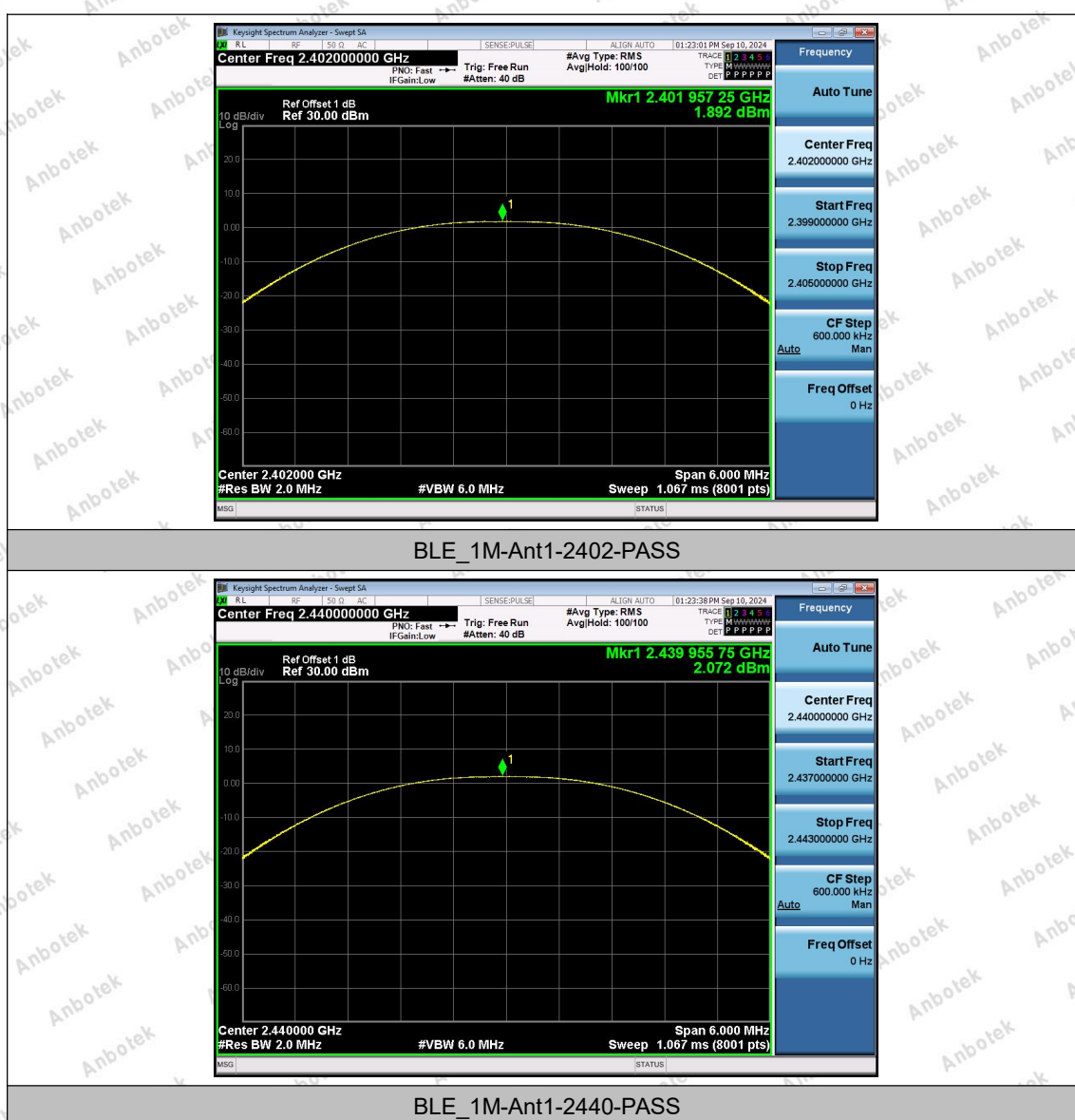


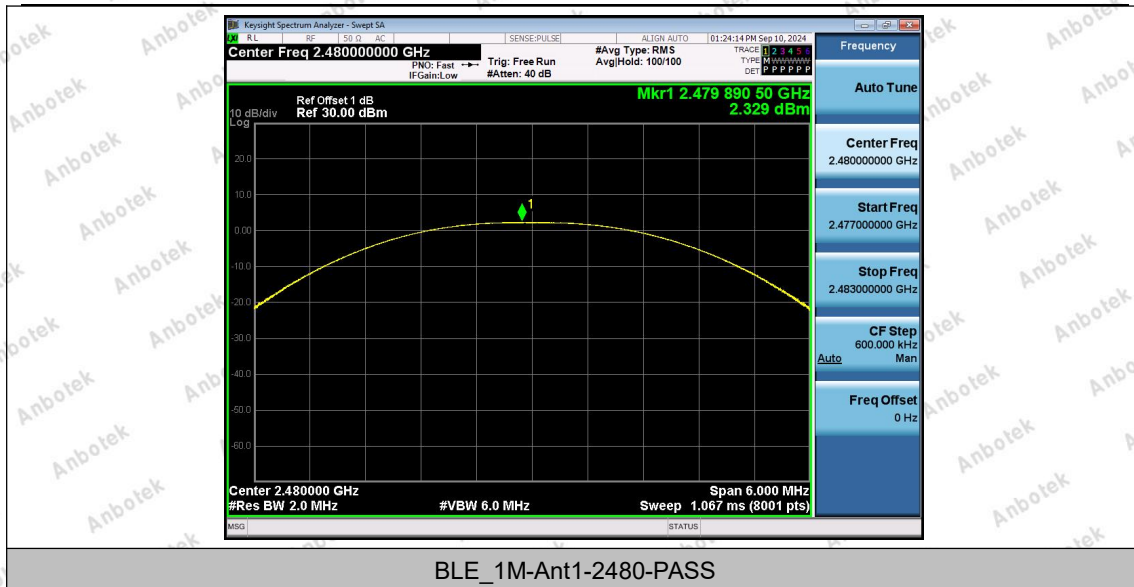
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.89	≤30	PASS
BLE_1M	Ant1	2440	2.07	≤30	PASS
BLE_1M	Ant1	2480	2.33	≤30	PASS

Test Graphs Peak





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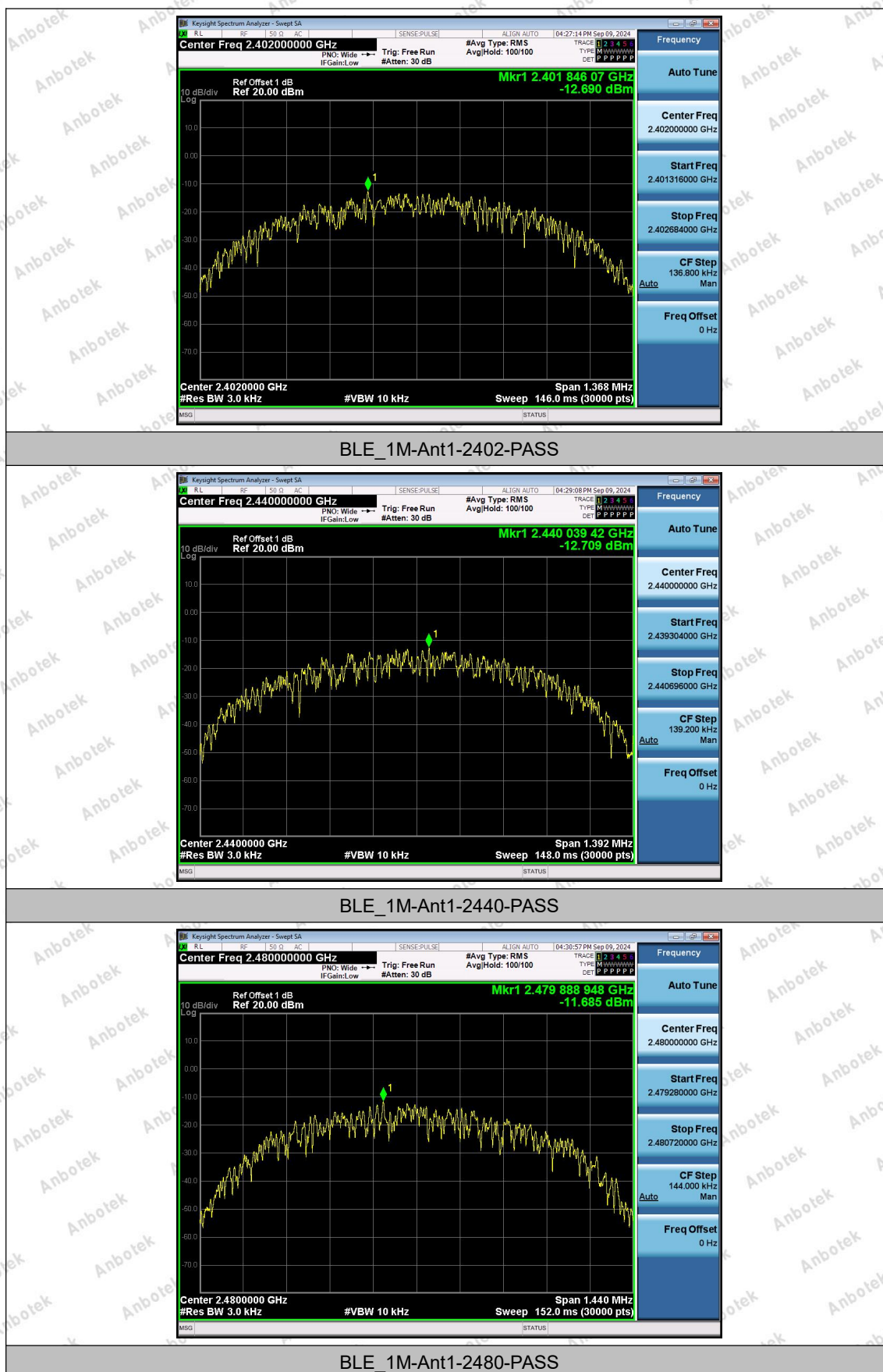
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.69	≤8.00	PASS
BLE_1M	Ant1	2440	-12.71	≤8.00	PASS
BLE_1M	Ant1	2480	-11.69	≤8.00	PASS



Test Graphs



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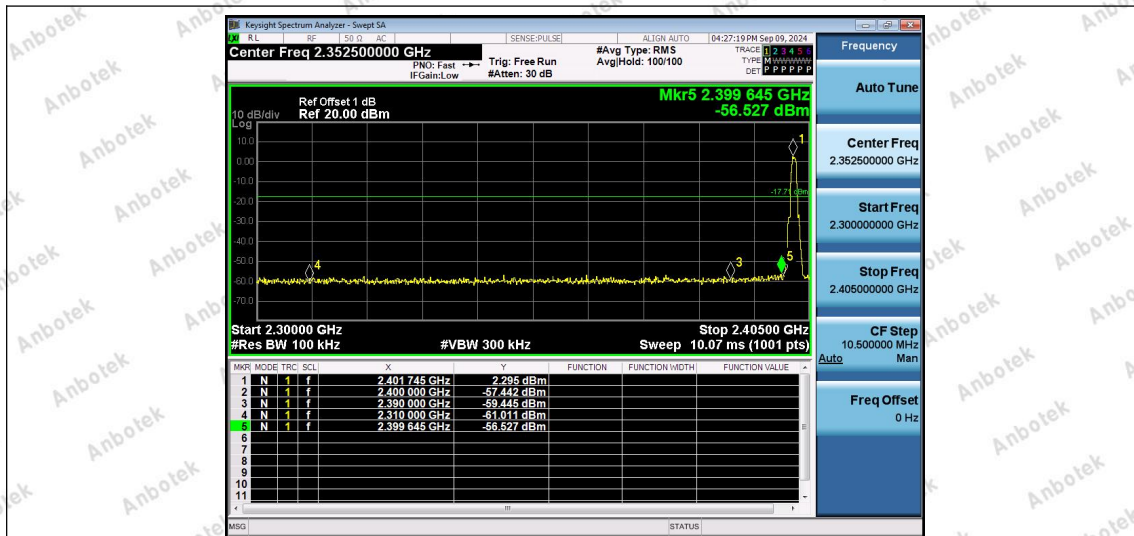
Appendix E: Band edge measurements

Test Result

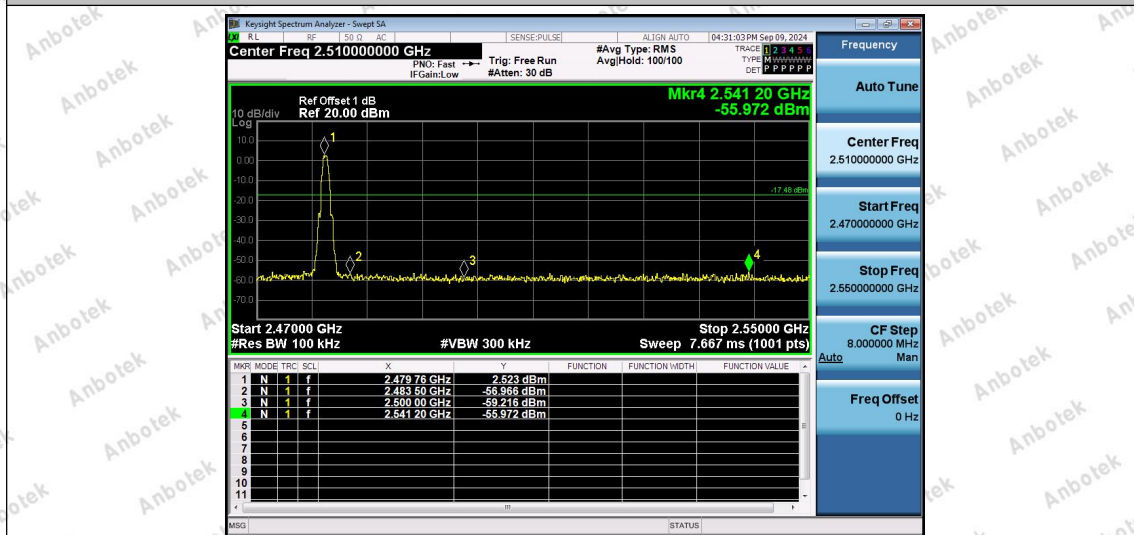
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.30	-56.53	≤-17.71	PASS
BLE_1M	Ant1	High	2480	2.52	-55.97	≤-17.48	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



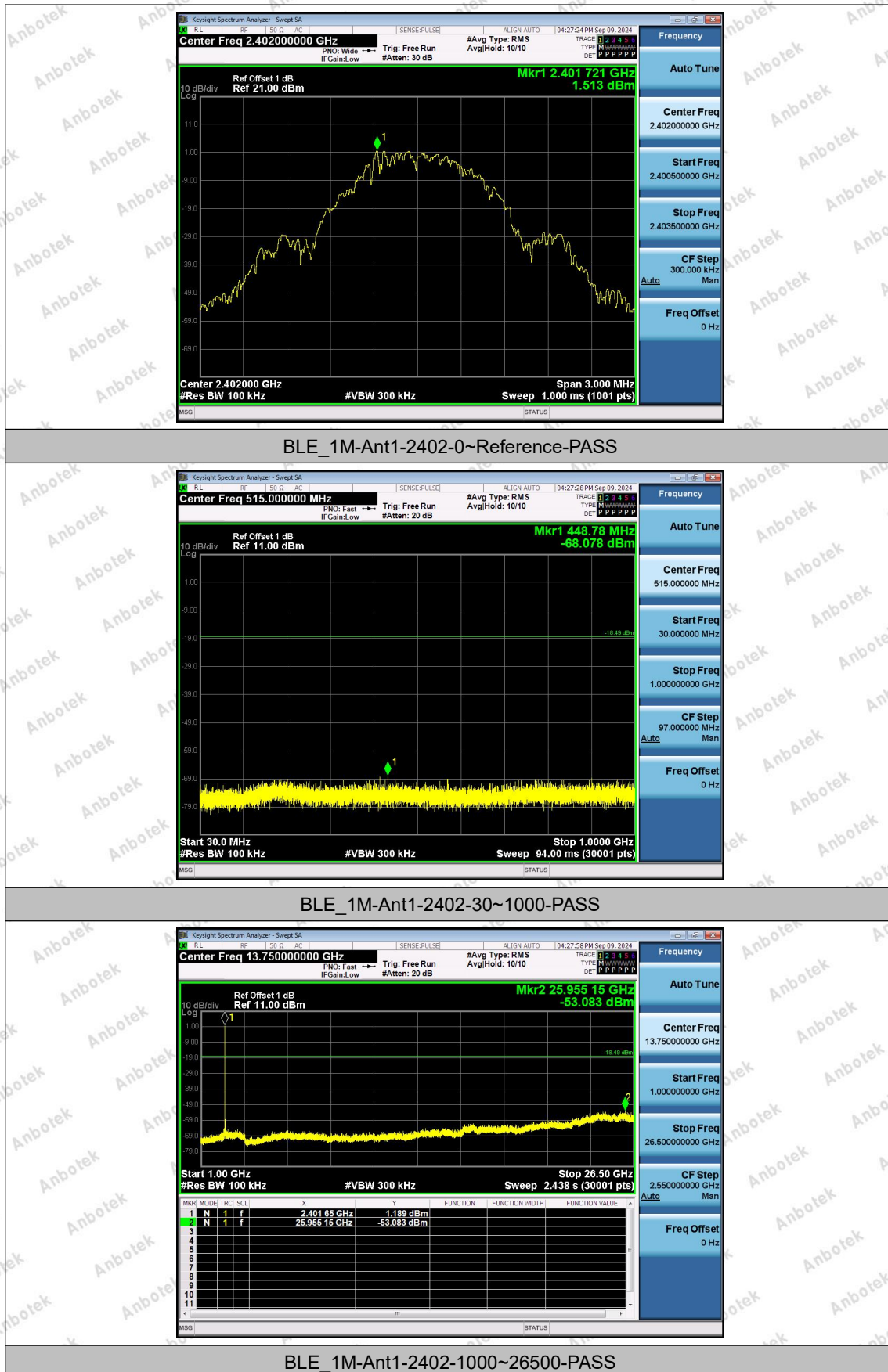
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.51	1.51	---	PASS
BLE_1M	Ant1	2402	30~1000	1.51	-68.08	≤-18.49	PASS
BLE_1M	Ant1	2402	1000~26500	1.51	-53.08	≤-18.49	PASS
BLE_1M	Ant1	2440	0~Reference	2.26	2.26	---	PASS
BLE_1M	Ant1	2440	30~1000	2.26	-67.89	≤-17.74	PASS
BLE_1M	Ant1	2440	1000~26500	2.26	-53.69	≤-17.74	PASS
BLE_1M	Ant1	2480	0~Reference	1.19	1.19	---	PASS
BLE_1M	Ant1	2480	30~1000	1.19	-68.19	≤-18.81	PASS
BLE_1M	Ant1	2480	1000~26500	1.19	-52.52	≤-18.81	PASS



Test Graphs



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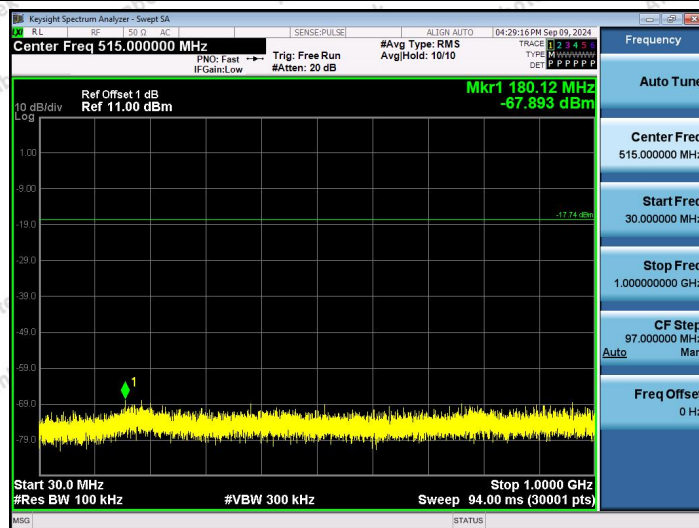


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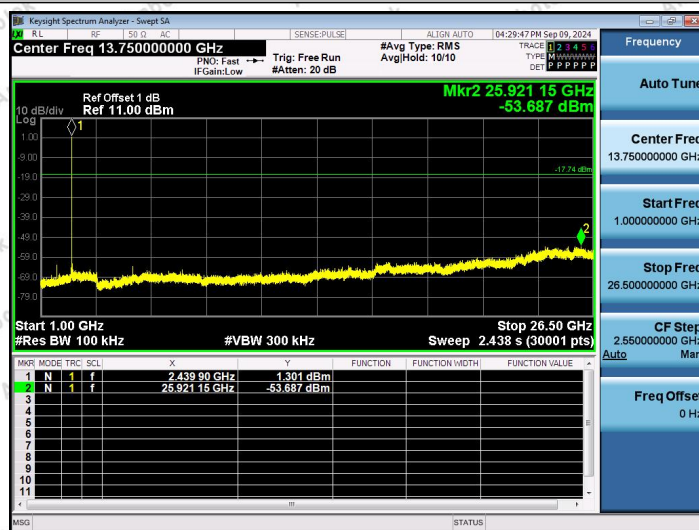




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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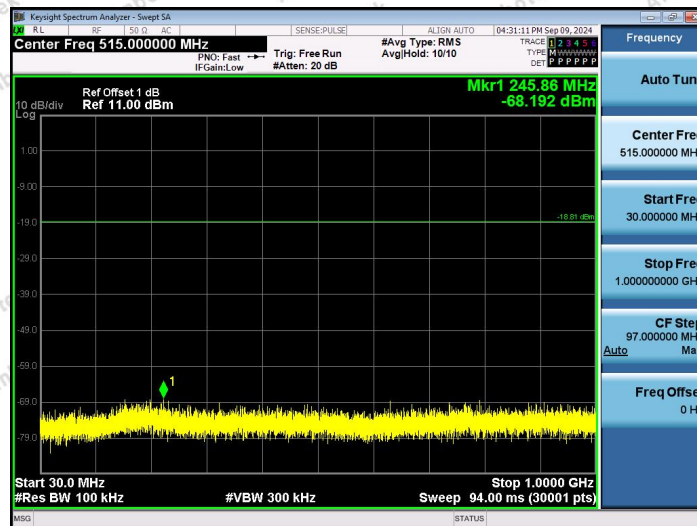


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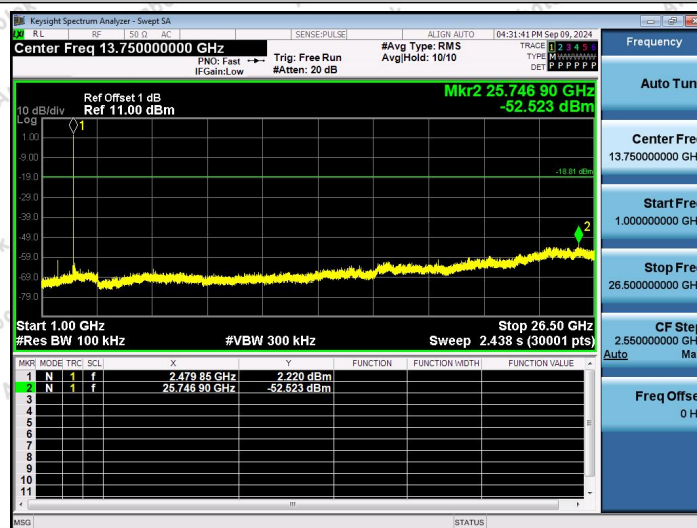




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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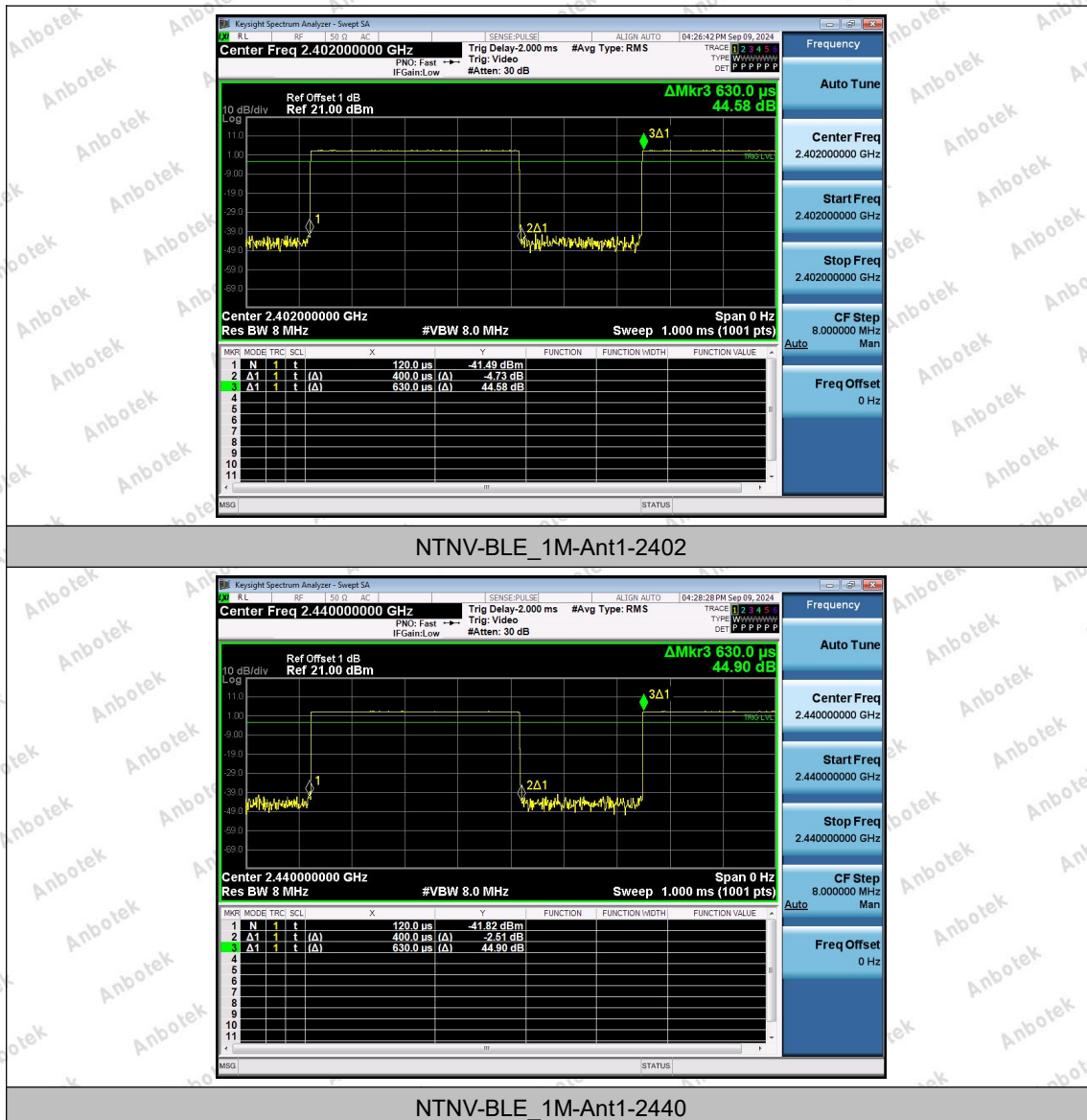
Appendix G: Duty Cycle

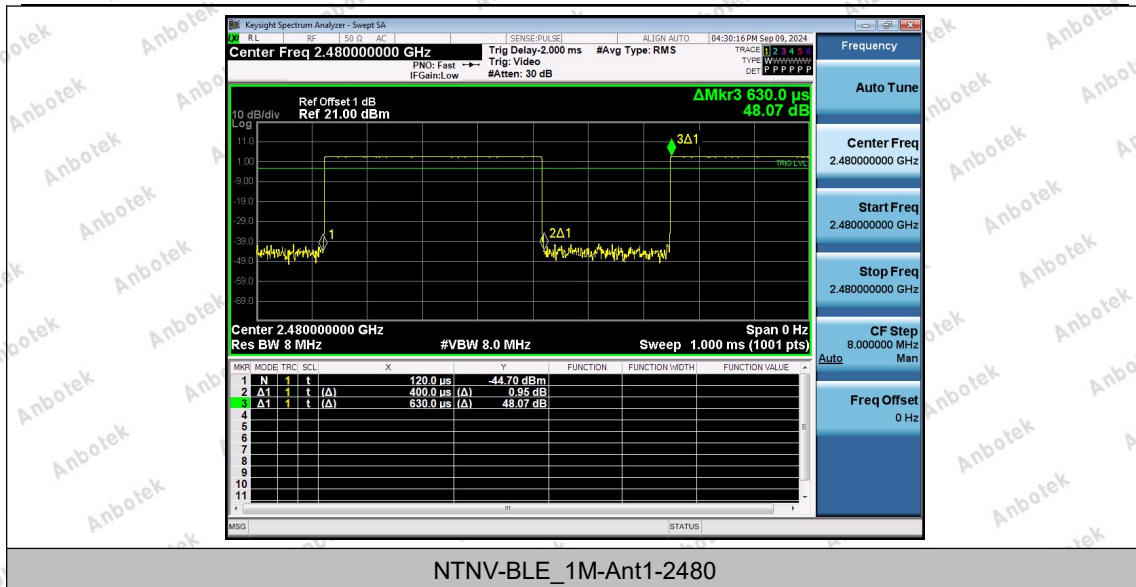
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	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---

