

Appendix Test Data

Report No.:	182512C400047101	Test Sample No.:	1-2-2
Start Test Date:	2024.6.12	Finish Test Date:	2024.6.19
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

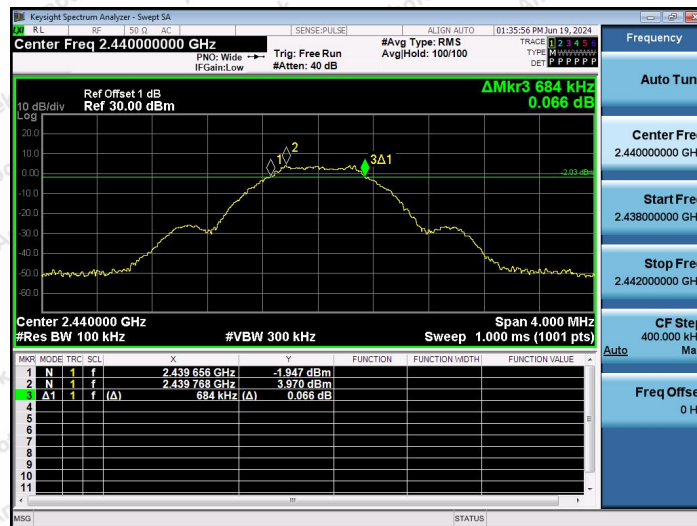
TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.652	2401.680	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.684	2439.656	2440.340	0.5	PASS
BLE_1M	Ant1	2480	0.704	2479.636	2480.340	0.5	PASS



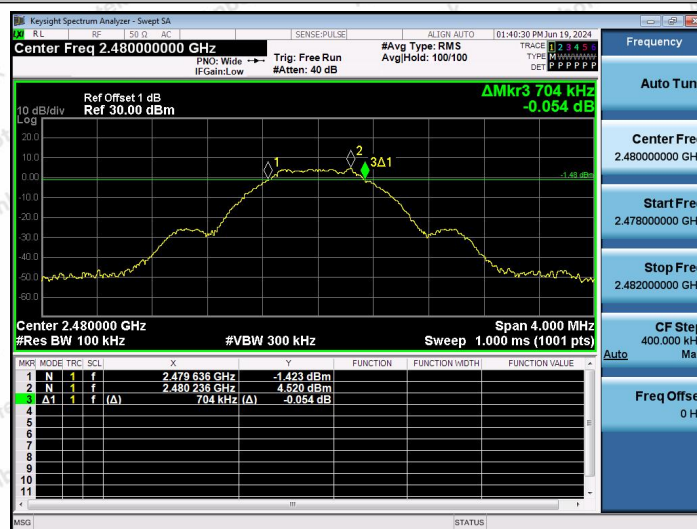
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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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	1.0309	2401.4849	2402.5158	---	---
BLE_1M	Ant1	2440	1.0465	2439.4808	2440.5273	---	---
BLE_1M	Ant1	2480	1.0414	2479.4810	2480.5224	---	---



Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

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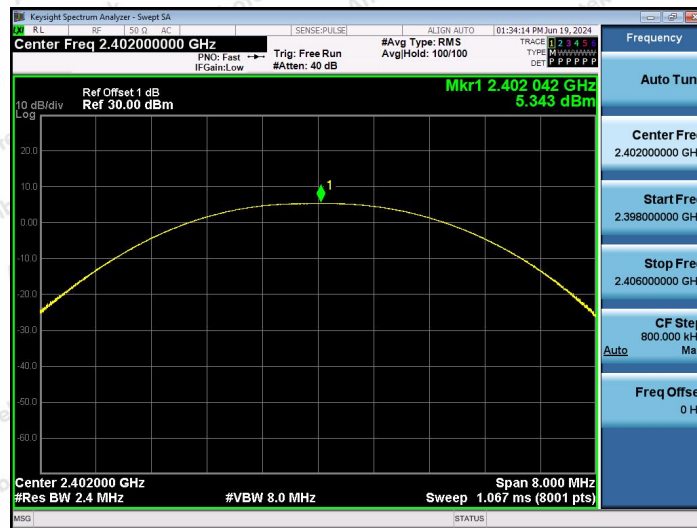
Appendix C: Maximum output power

Test Result Peak

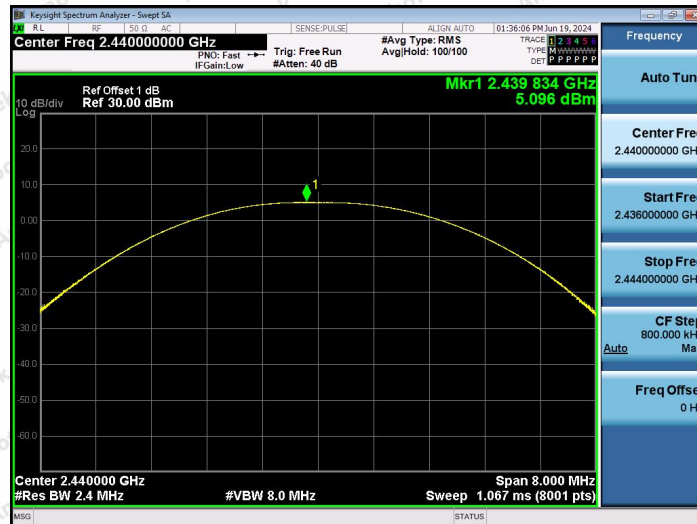
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.34	≤30	PASS
BLE_1M	Ant1	2440	5.10	≤30	PASS
BLE_1M	Ant1	2480	5.71	≤30	PASS



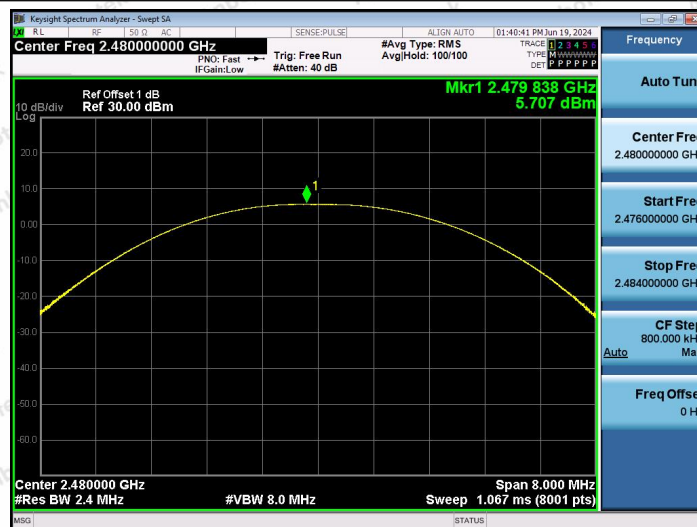
Test Graphs Peak



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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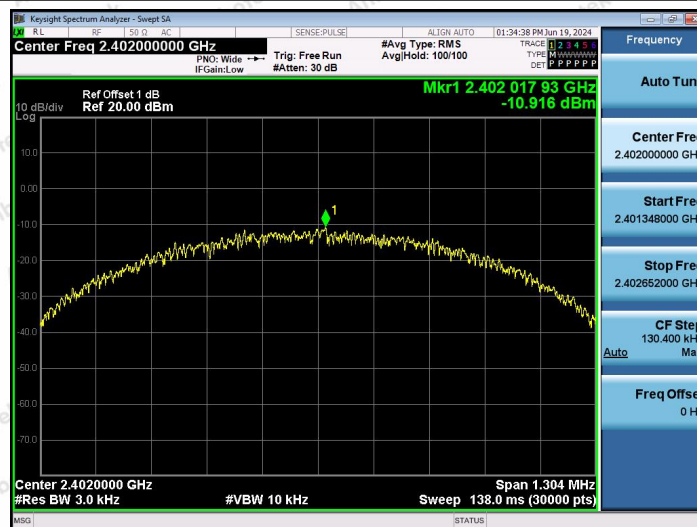
Appendix D: Maximum power spectral density

Test Result

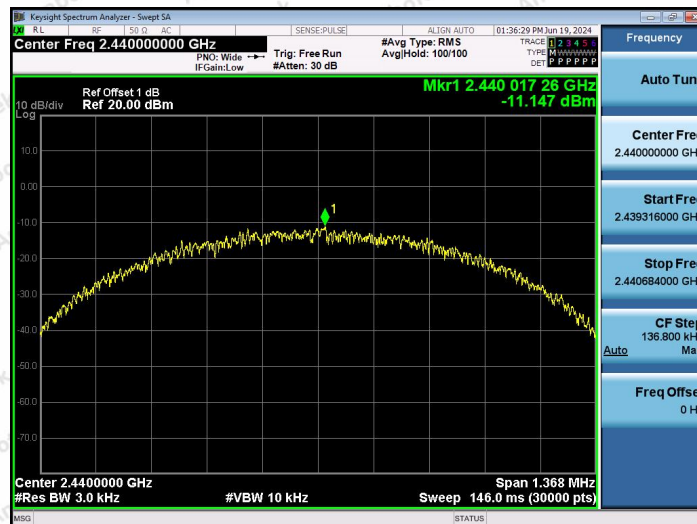
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.92	≤8.00	PASS
BLE_1M	Ant1	2440	-11.15	≤8.00	PASS
BLE_1M	Ant1	2480	-10.54	≤8.00	PASS



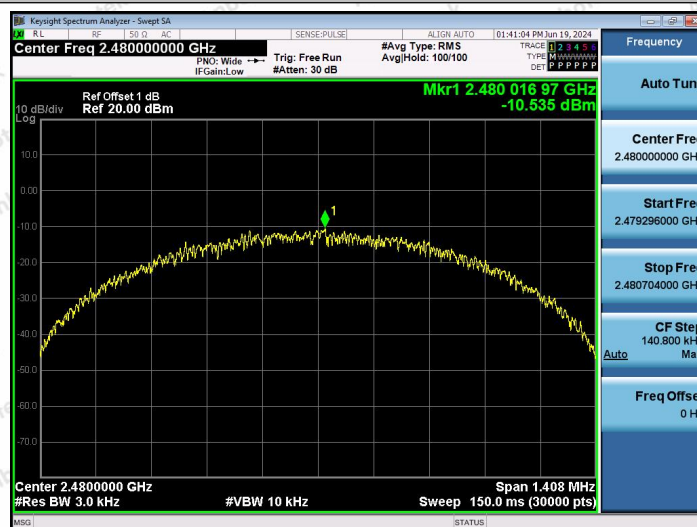
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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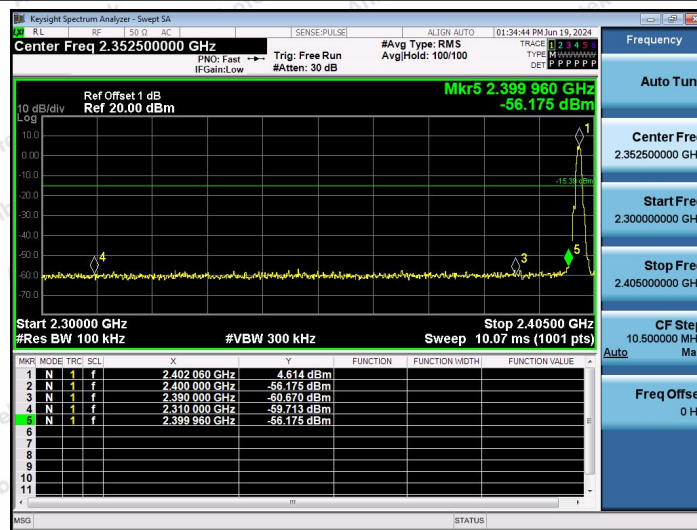
Appendix E: Band edge measurements

Test Result

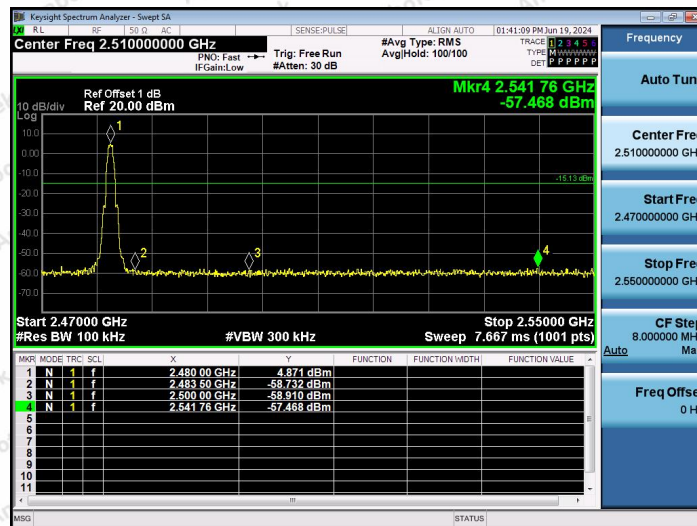
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.61	-56.18	≤-15.39	PASS
BLE_1M	Ant1	High	2480	4.87	-57.47	≤-15.13	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS

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Appendix F: Conducted Spurious Emission

Test Result

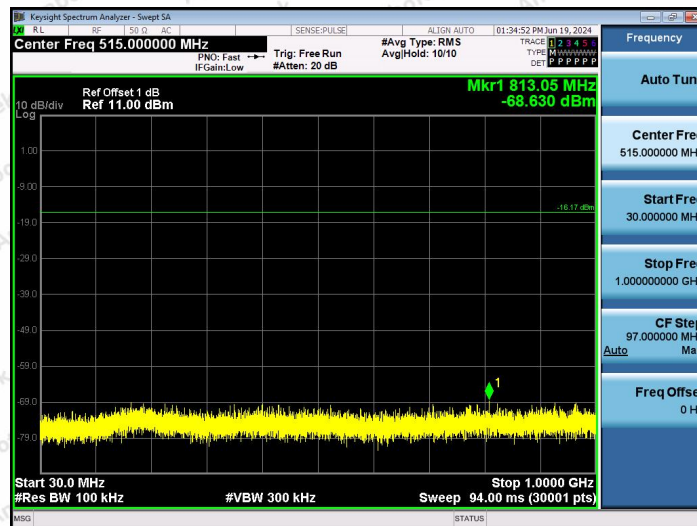
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.83	3.83	---	PASS
BLE_1M	Ant1	2402	30~1000	3.83	-68.63	≤-16.17	PASS
BLE_1M	Ant1	2402	1000~26500	3.83	-53.62	≤-16.17	PASS
BLE_1M	Ant1	2440	0~Reference	3.17	3.17	---	PASS
BLE_1M	Ant1	2440	30~1000	3.17	-67.99	≤-16.83	PASS
BLE_1M	Ant1	2440	1000~26500	3.17	-53.46	≤-16.83	PASS
BLE_1M	Ant1	2480	0~Reference	4.33	4.33	---	PASS
BLE_1M	Ant1	2480	30~1000	4.33	-68.35	≤-15.67	PASS
BLE_1M	Ant1	2480	1000~26500	4.33	-53.31	≤-15.67	PASS



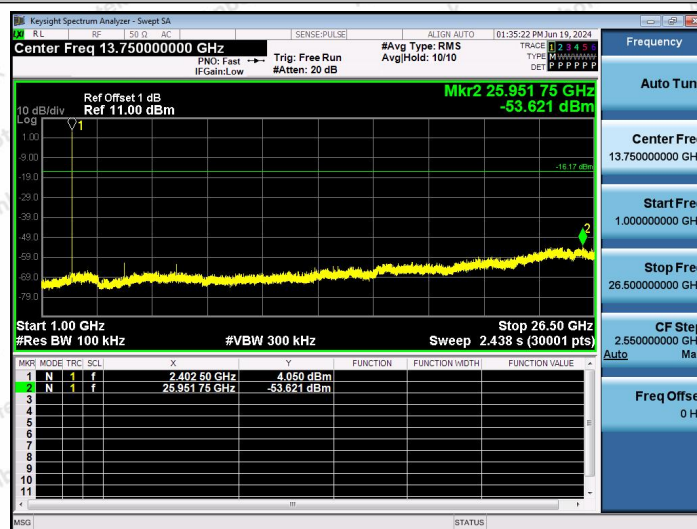
Test Graphs



BLE_1M-Ant1-2402-0~Reference-PASS



BLE_1M-Ant1-2402-30~1000-PASS



BLE_1M-Ant1-2402-1000~26500-PASS

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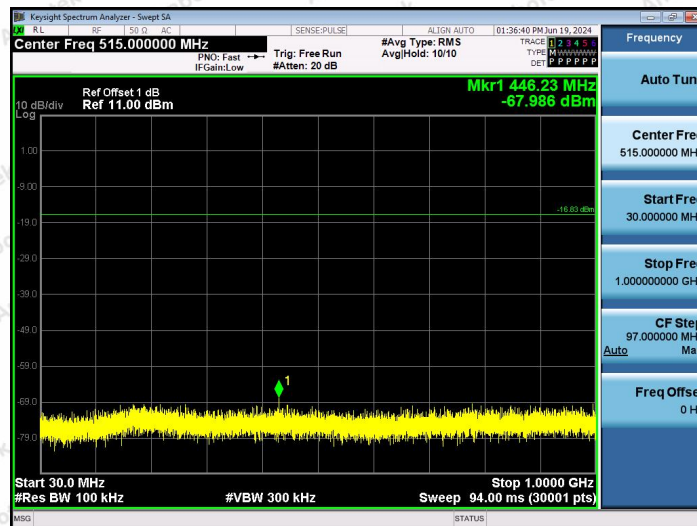


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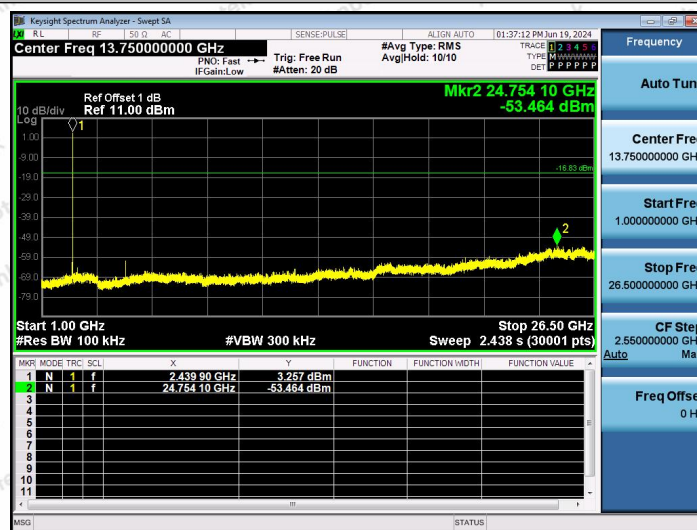




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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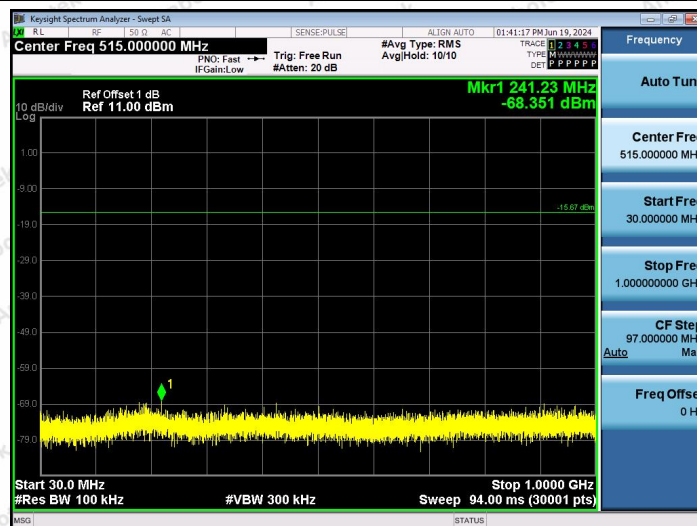


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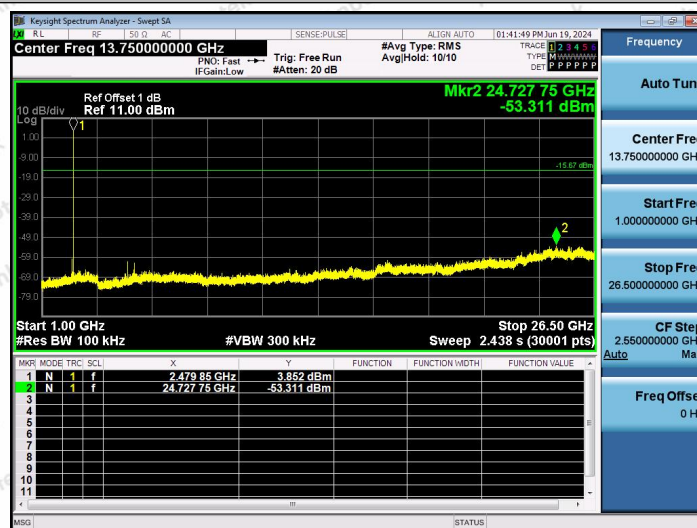




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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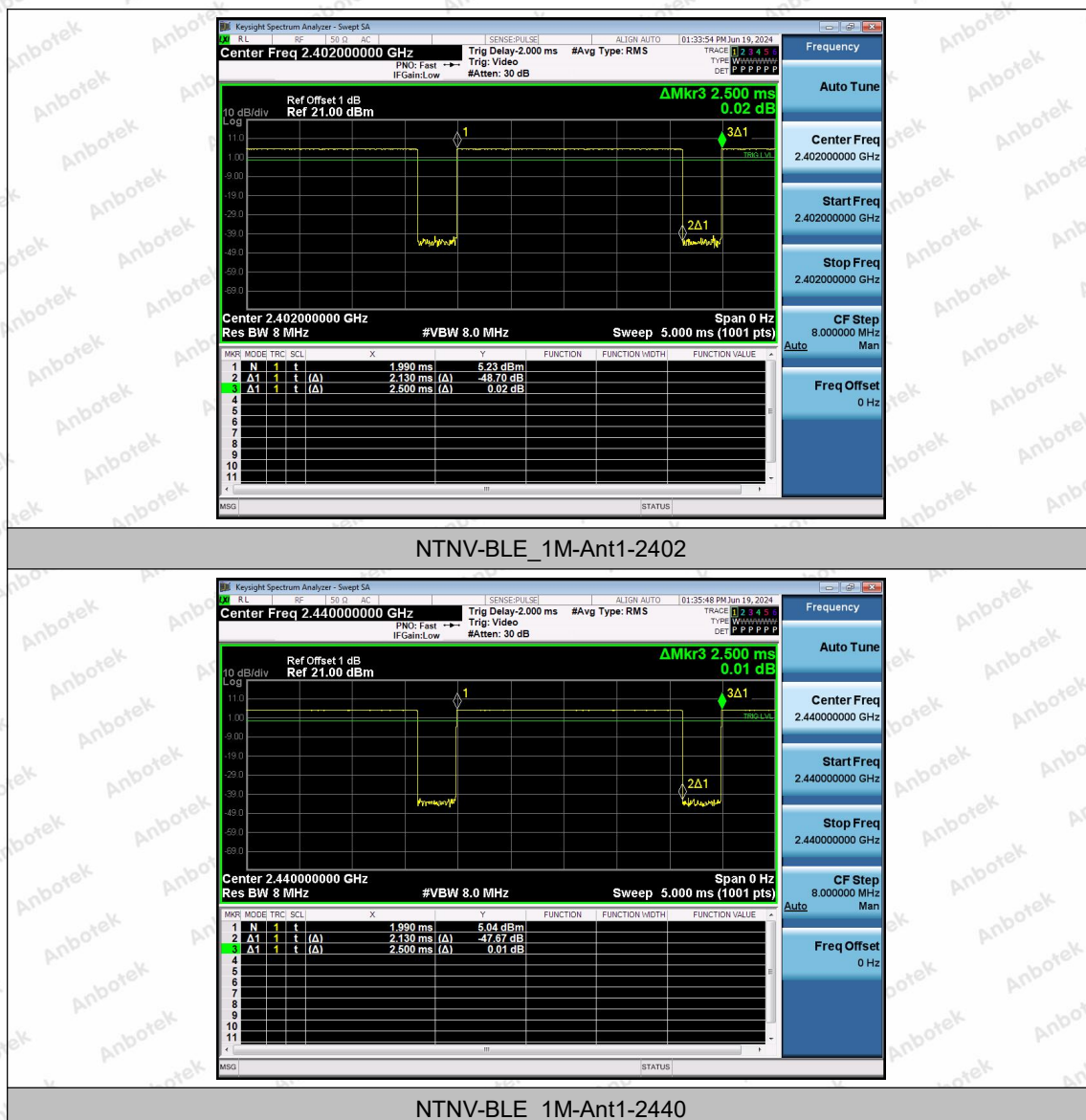


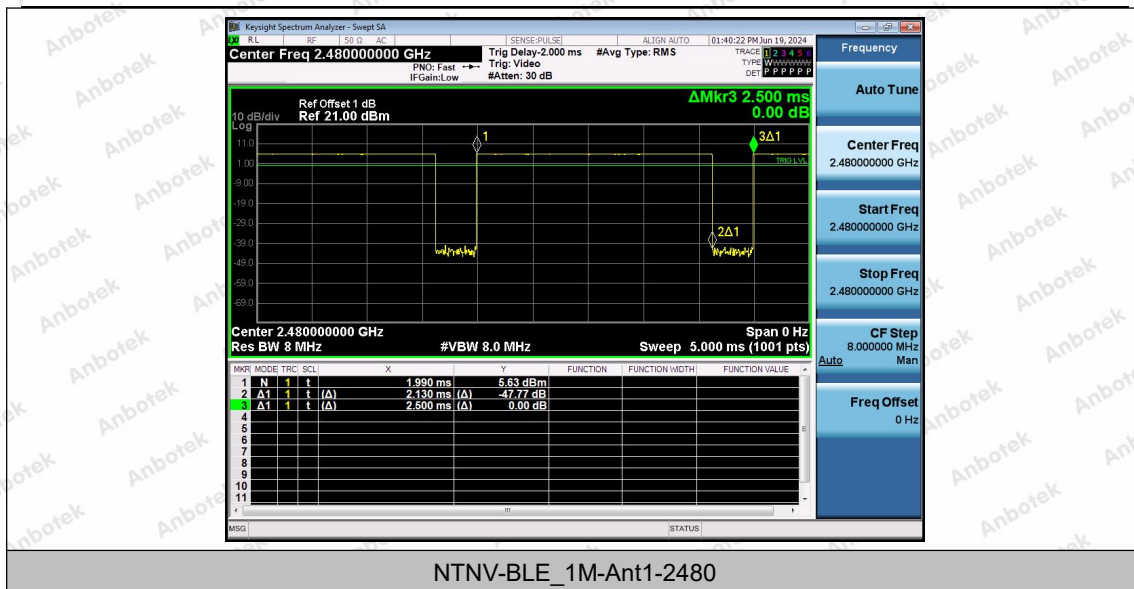
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

Test Graphs





---End---

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