

Appendix Test Data

Report No.:	182512C400239101	Test Sample No.:	1-2-2
Start Test Date:	2024.6.23	Finish Test Date:	2024.6.24
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

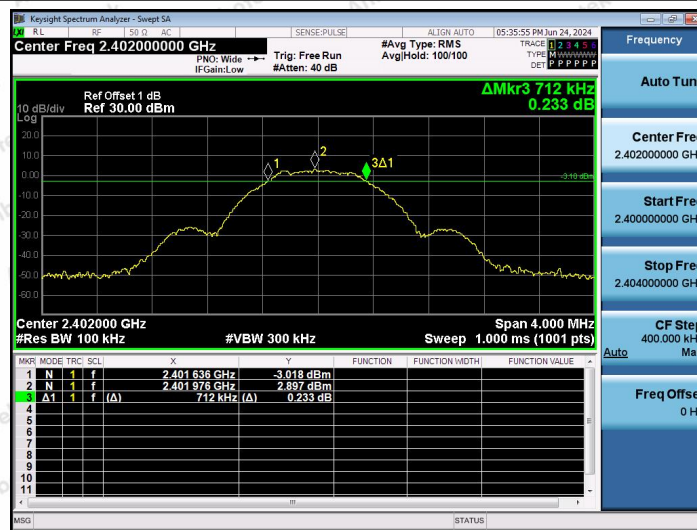
Appendix A: 6dB Bandwidth

Test Result

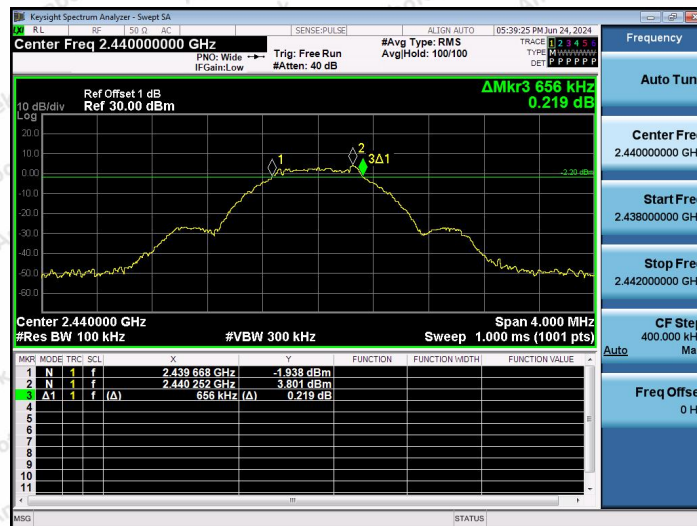
TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.636	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.656	2439.668	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.712	2479.640	2480.352	0.5	PASS



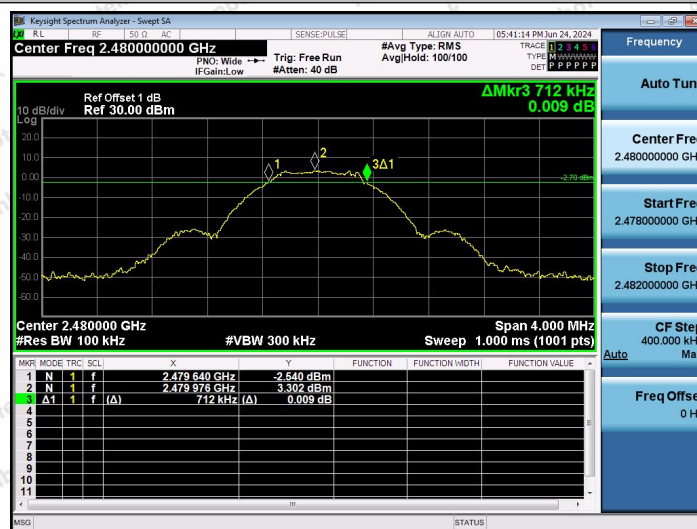
Test Graphs



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	1.0462	2401.4790	2402.5252	---	---
BLE_1M	Ant1	2440	1.0313	2439.4852	2440.5165	---	---
BLE_1M	Ant1	2480	1.0356	2479.4818	2480.5174	---	---

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Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

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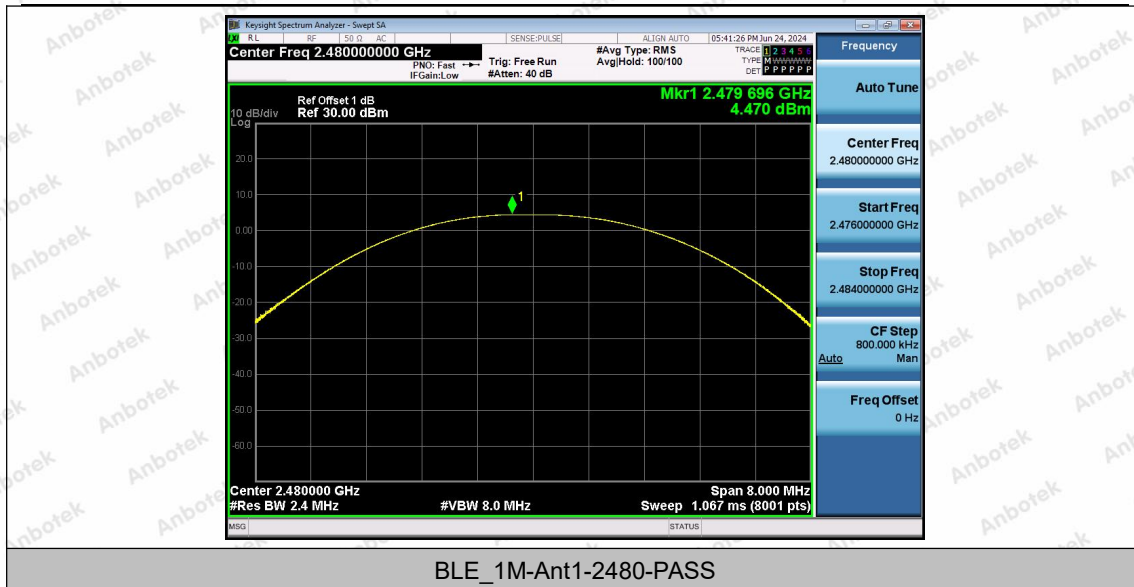
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.01	≤30	PASS
BLE_1M	Ant1	2440	4.10	≤30	PASS
BLE_1M	Ant1	2480	4.47	≤30	PASS

Test Graphs Peak



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Appendix D: Maximum power spectral density

Test Result

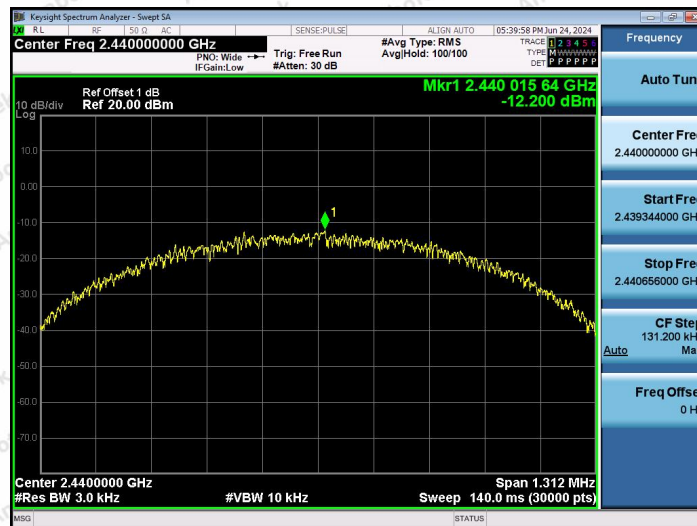
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.35	≤8.00	PASS
BLE_1M	Ant1	2440	-12.20	≤8.00	PASS
BLE_1M	Ant1	2480	-11.78	≤8.00	PASS



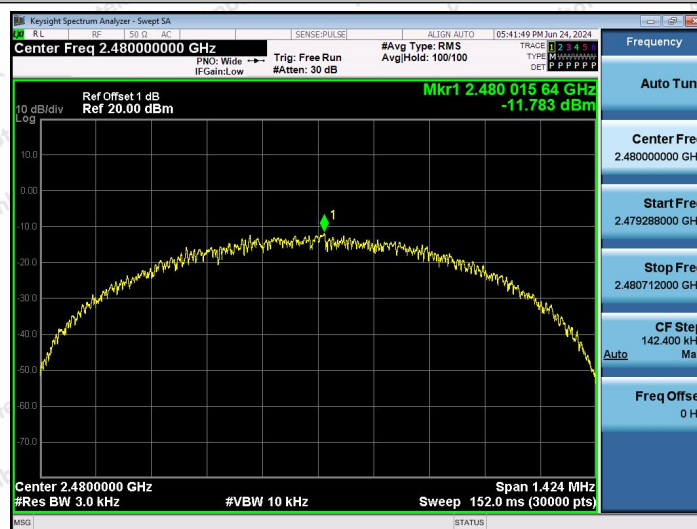
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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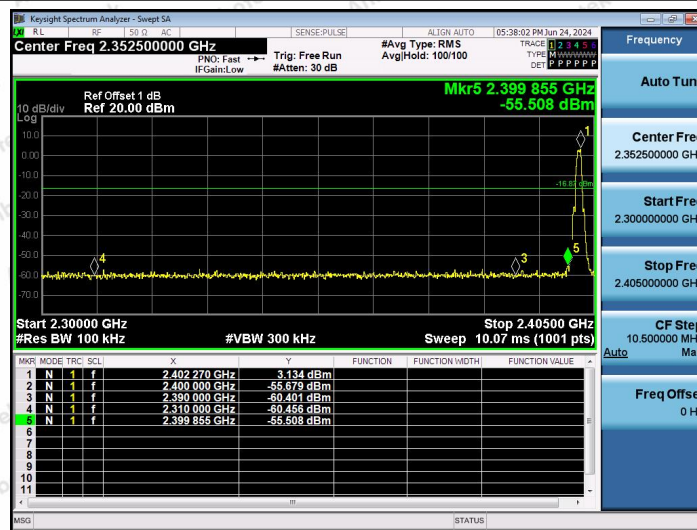
Appendix E: Band edge measurements

Test Result

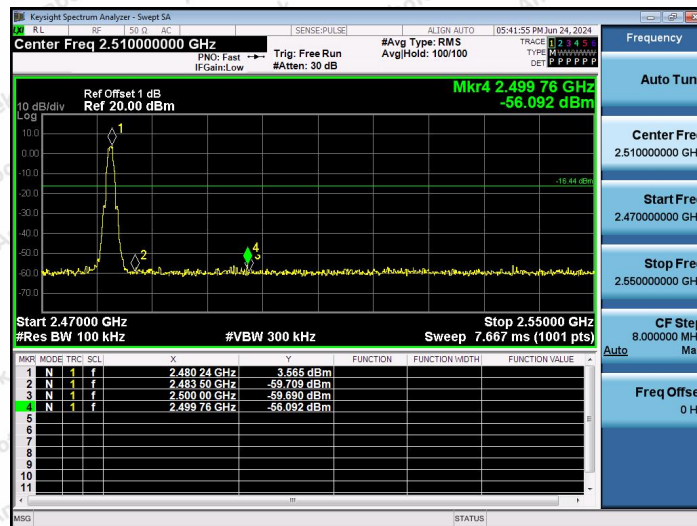
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.13	-55.51	≤-16.87	PASS
BLE_1M	Ant1	High	2480	3.57	-56.09	≤-16.44	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS

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Appendix F: Conducted Spurious Emission

Test Result

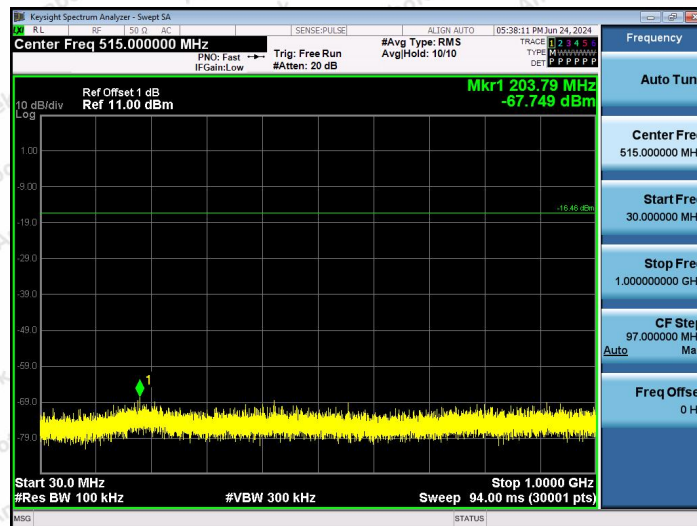
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.54	3.54	---	PASS
BLE_1M	Ant1	2402	30~1000	3.54	-67.75	≤-16.46	PASS
BLE_1M	Ant1	2402	1000~26500	3.54	-52.56	≤-16.46	PASS
BLE_1M	Ant1	2440	0~Reference	2.02	2.02	---	PASS
BLE_1M	Ant1	2440	30~1000	2.02	-67.99	≤-17.98	PASS
BLE_1M	Ant1	2440	1000~26500	2.02	-53.52	≤-17.98	PASS
BLE_1M	Ant1	2480	0~Reference	2.53	2.53	---	PASS
BLE_1M	Ant1	2480	30~1000	2.53	-68.08	≤-17.47	PASS
BLE_1M	Ant1	2480	1000~26500	2.53	-52.8	≤-17.47	PASS



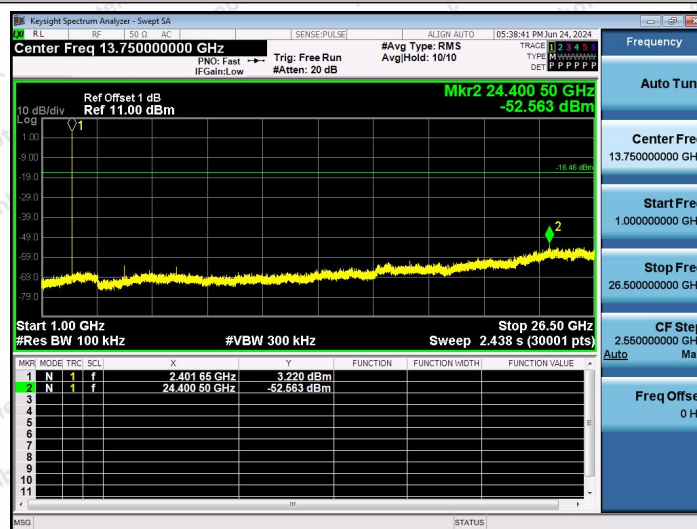
Test Graphs



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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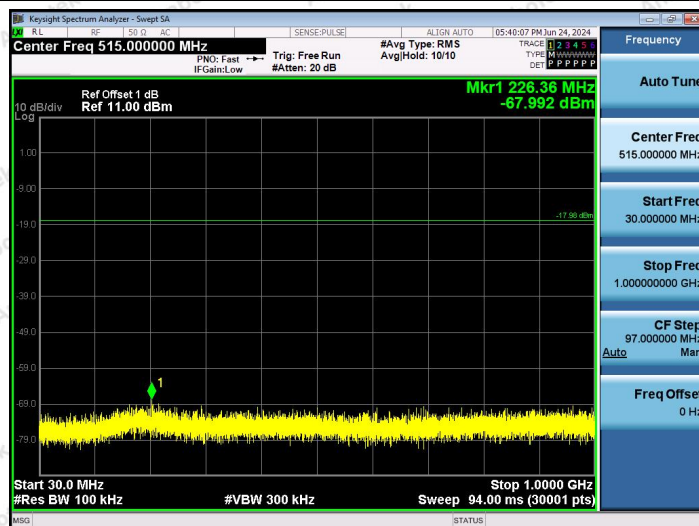


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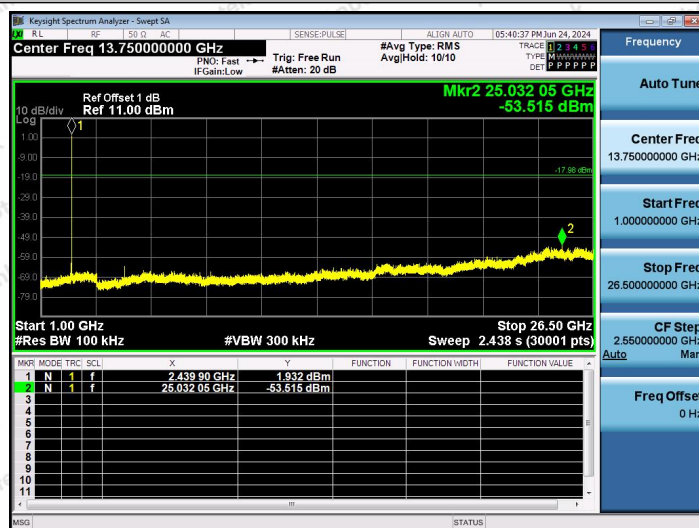




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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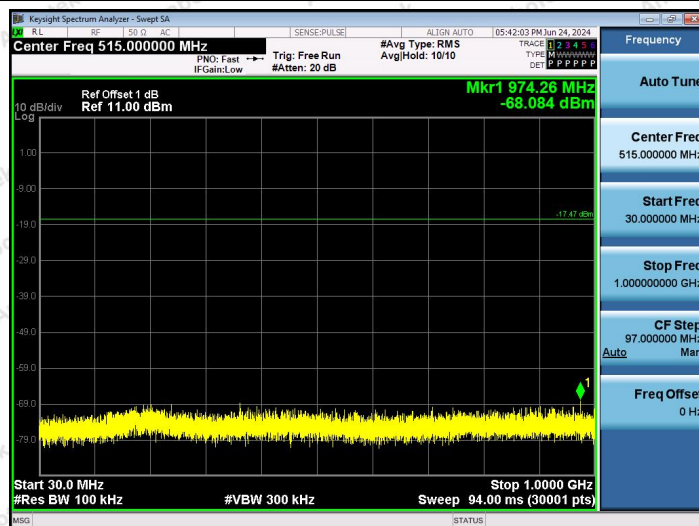


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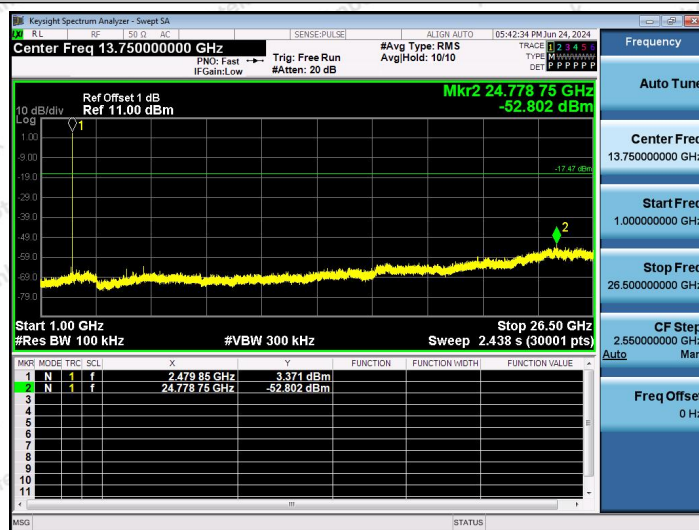




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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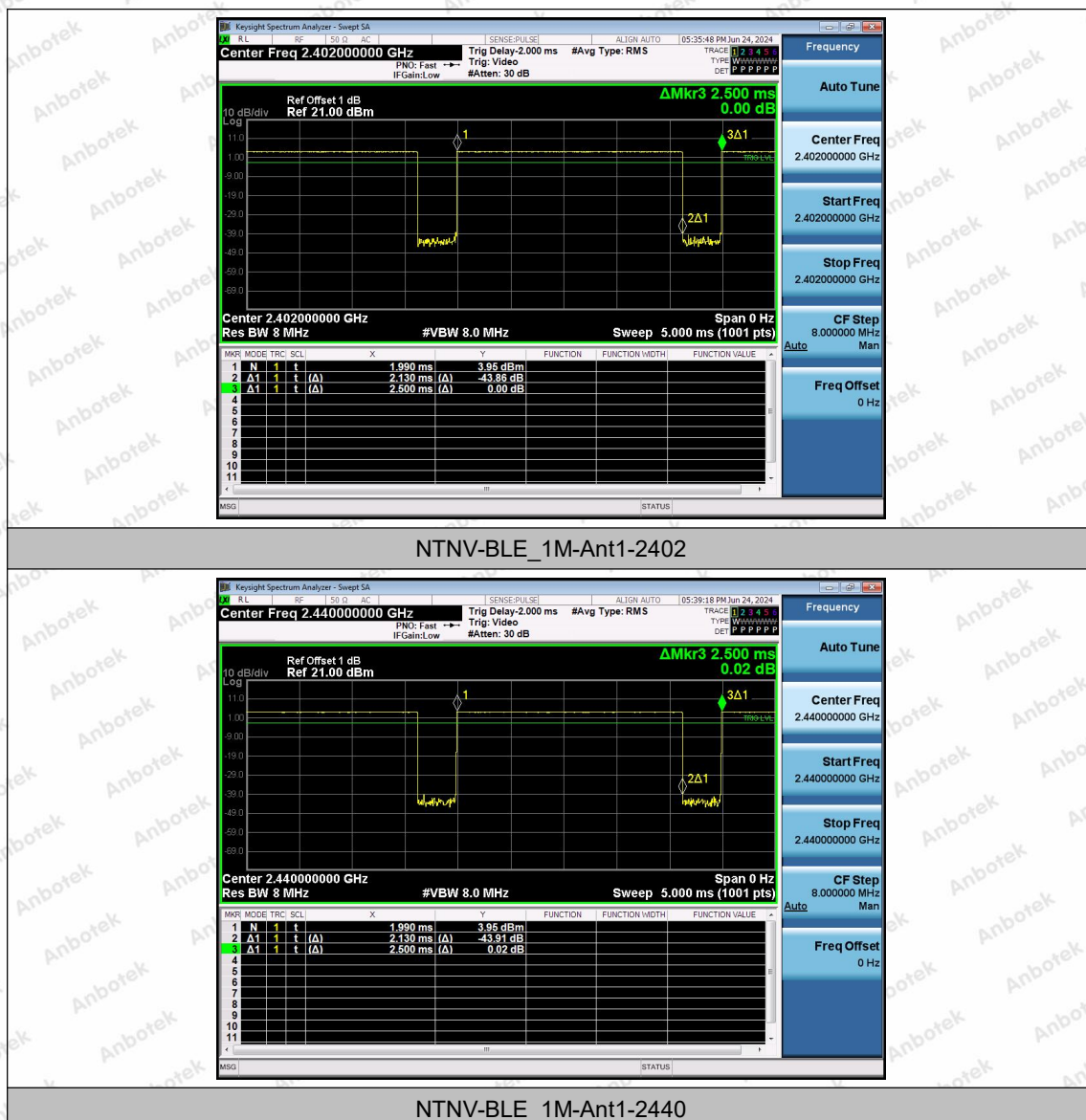


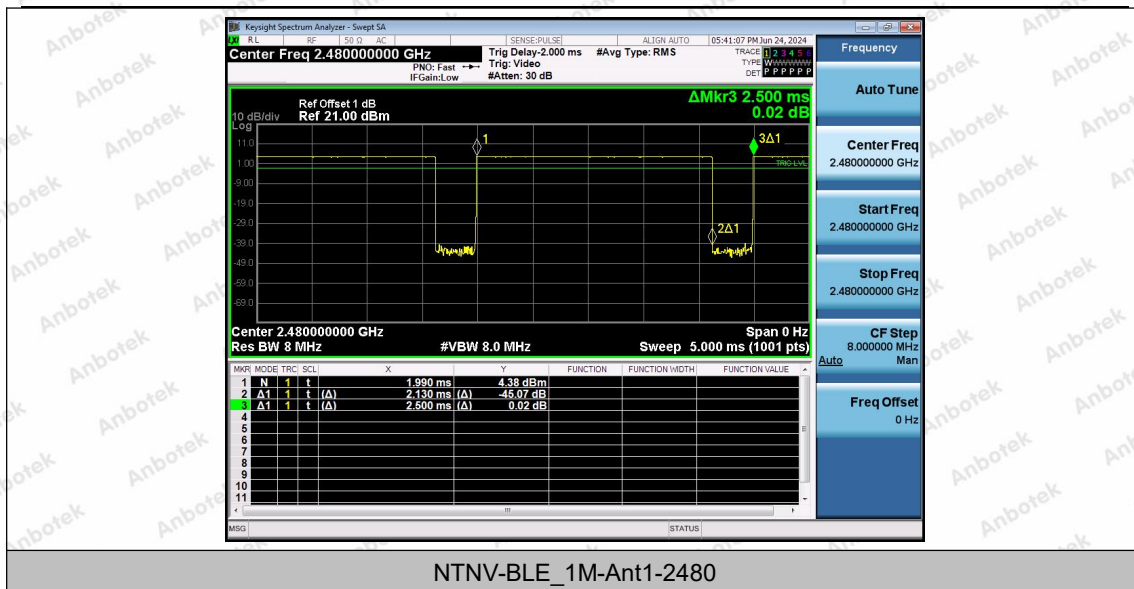
Appendix G: Duty Cycle

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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