

Appendix Test Data

Report No.:	18220WC40081501	Test Sample No.:	1-2-2
Start Test Date:	2024.04.25	Finish Test Date:	2024.04.27
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

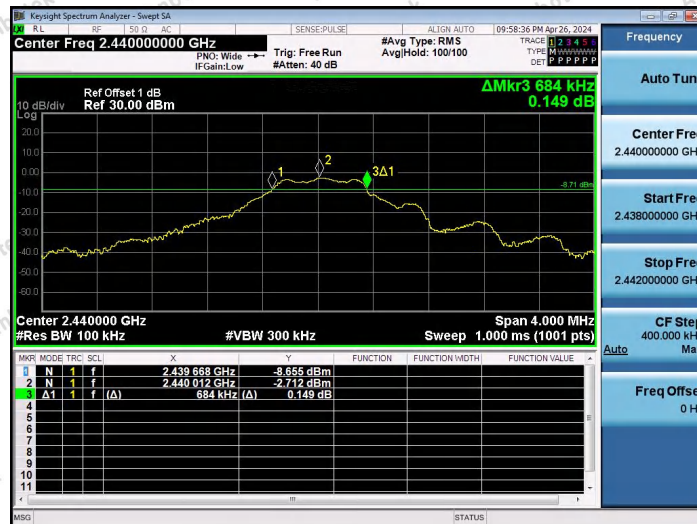
TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.668	2402.352	0.5	PASS
BLE_1M	Ant1	2440	0.684	2439.668	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.680	2479.672	2480.352	0.5	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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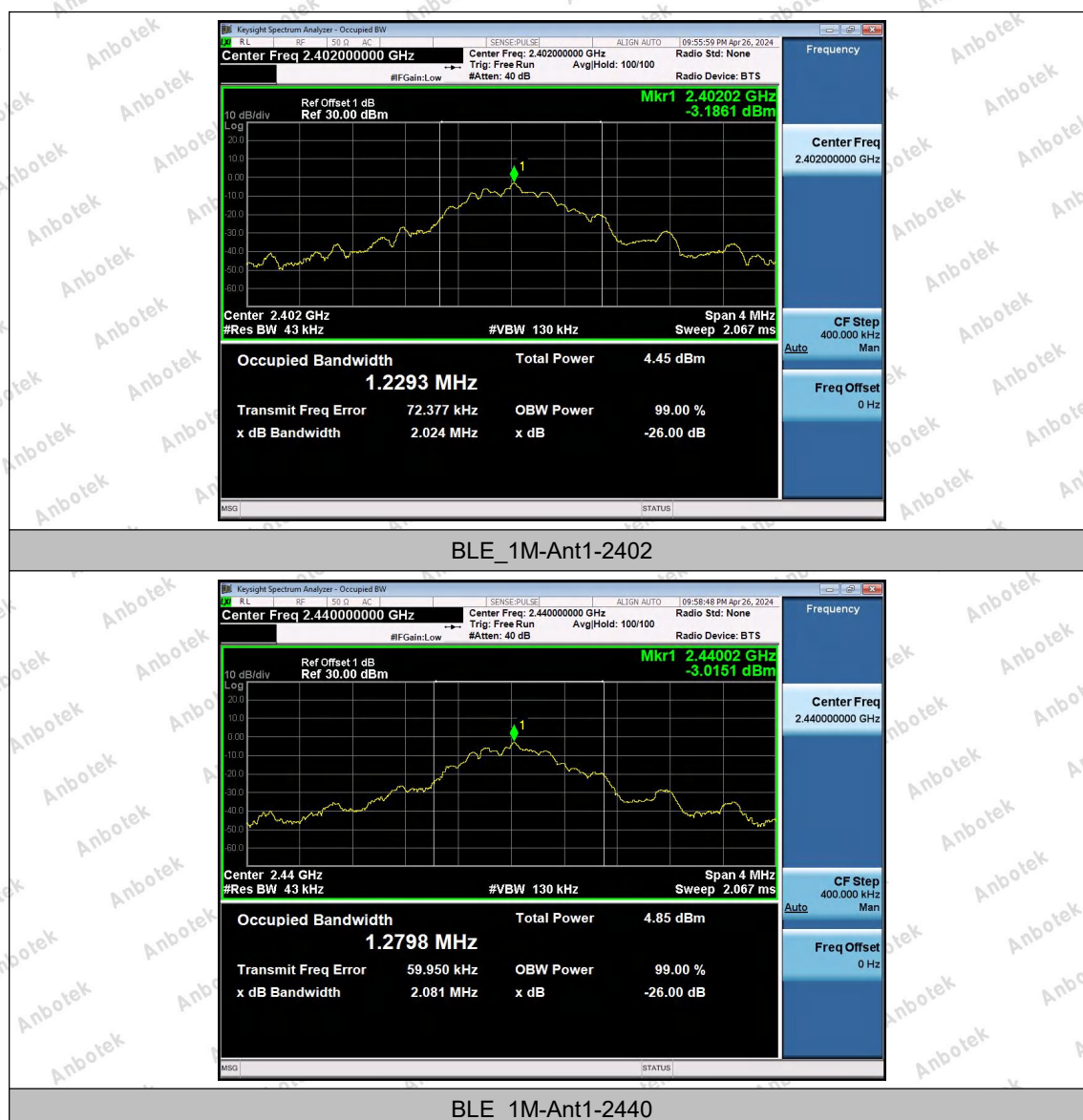


Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.2293	2401.4577	2402.6870	---	---
BLE_1M	Ant1	2440	1.2798	2439.4201	2440.6999	---	---
BLE_1M	Ant1	2480	1.1778	2479.4705	2480.6483	---	---

Test Graphs





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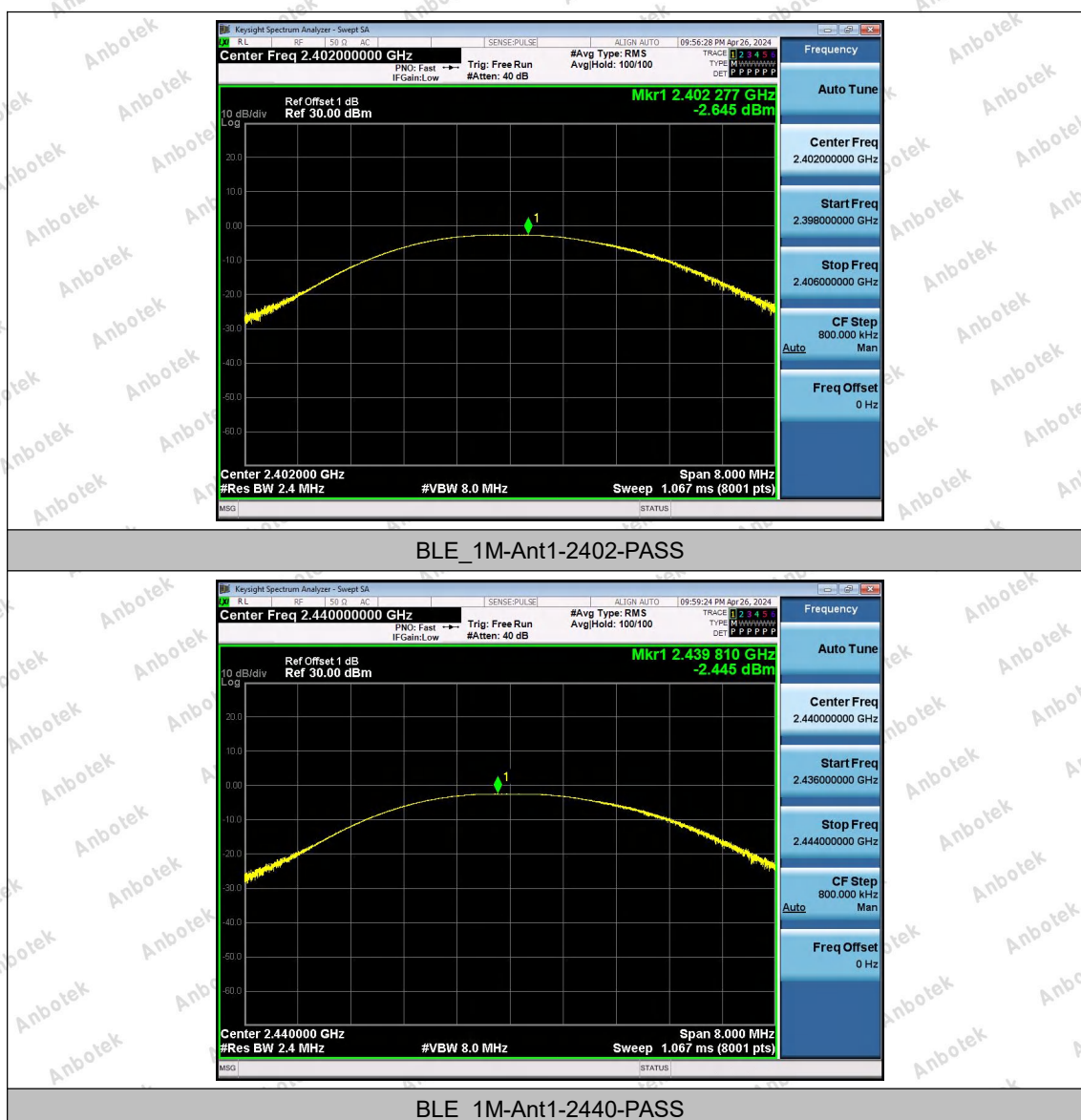


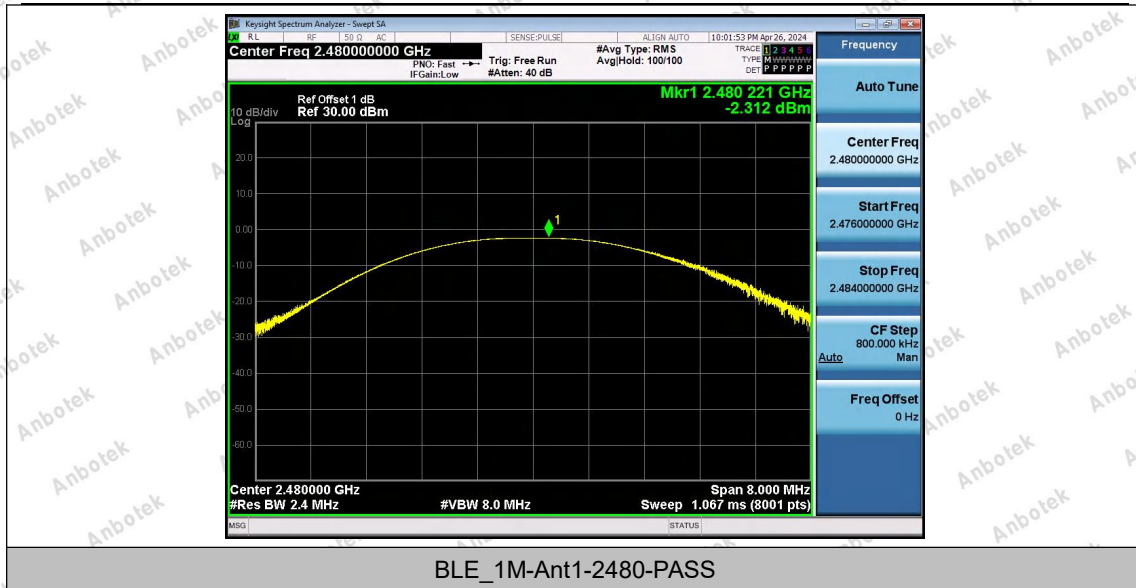
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.65	≤30	PASS
BLE_1M	Ant1	2440	-2.45	≤30	PASS
BLE_1M	Ant1	2480	-2.31	≤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	-17.14	≤8.00	PASS
BLE_1M	Ant1	2440	-15.99	≤8.00	PASS
BLE_1M	Ant1	2480	-15.77	≤8.00	PASS

Test Graphs



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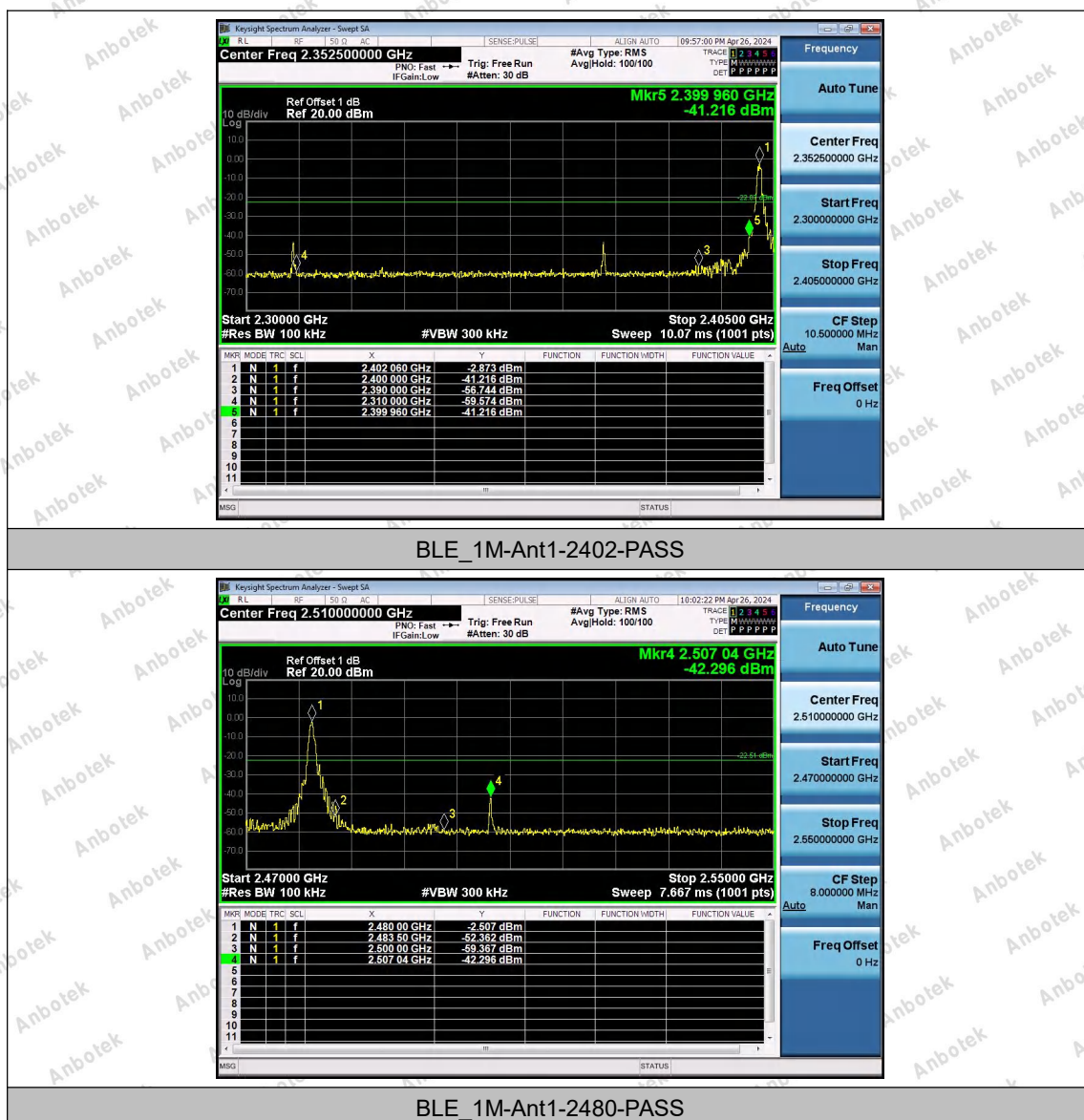


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-2.87	-41.22	≤-22.87	PASS
BLE_1M	Ant1	High	2480	-2.51	-42.3	≤-22.51	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

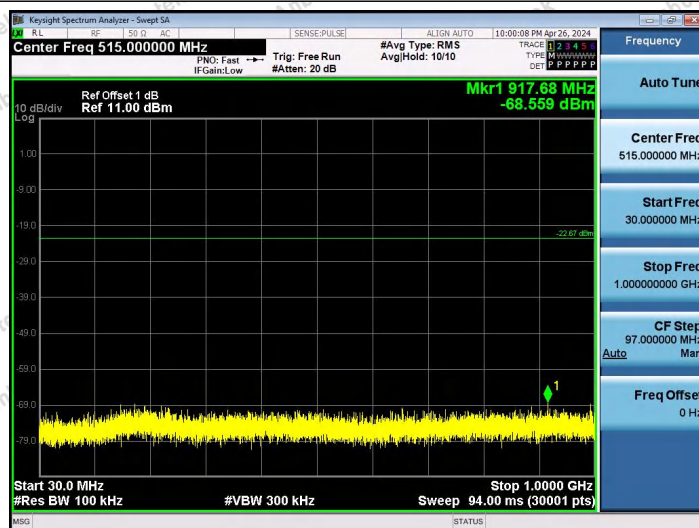
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.87	-2.87	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.87	-67.34	≤-22.87	PASS
BLE_1M	Ant1	2402	1000~26500	-2.87	-33.58	≤-22.87	PASS
BLE_1M	Ant1	2440	0~Reference	-2.67	-2.67	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.67	-68.56	≤-22.67	PASS
BLE_1M	Ant1	2440	1000~26500	-2.67	-37.85	≤-22.67	PASS
BLE_1M	Ant1	2480	0~Reference	-2.53	-2.53	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.53	-68.75	≤-22.53	PASS
BLE_1M	Ant1	2480	1000~26500	-2.53	-35.37	≤-22.53	PASS

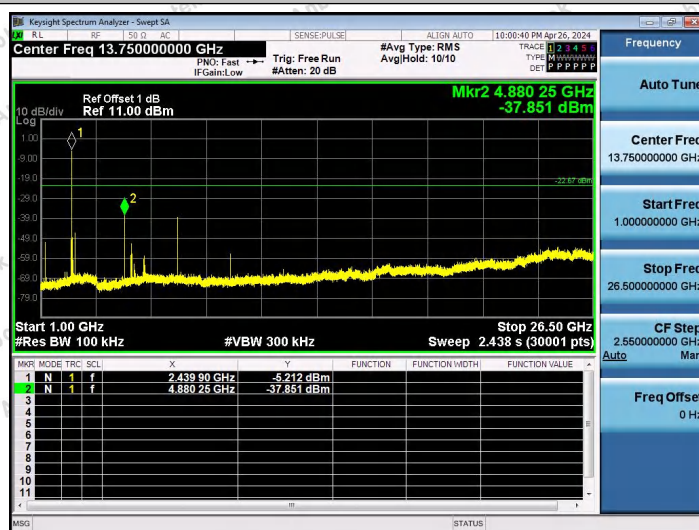




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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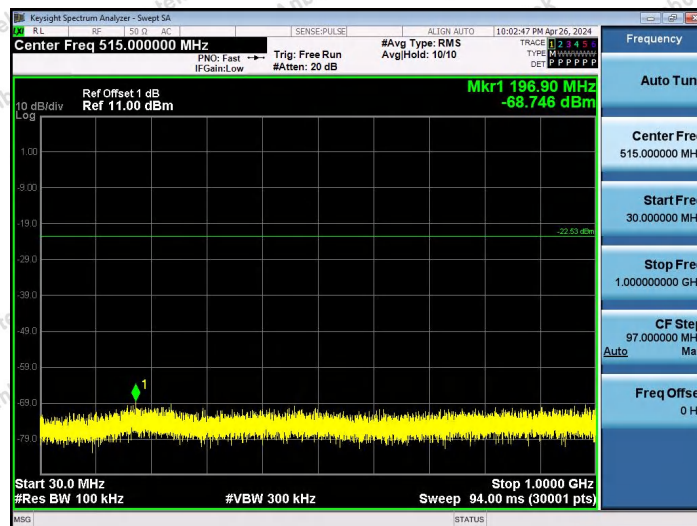


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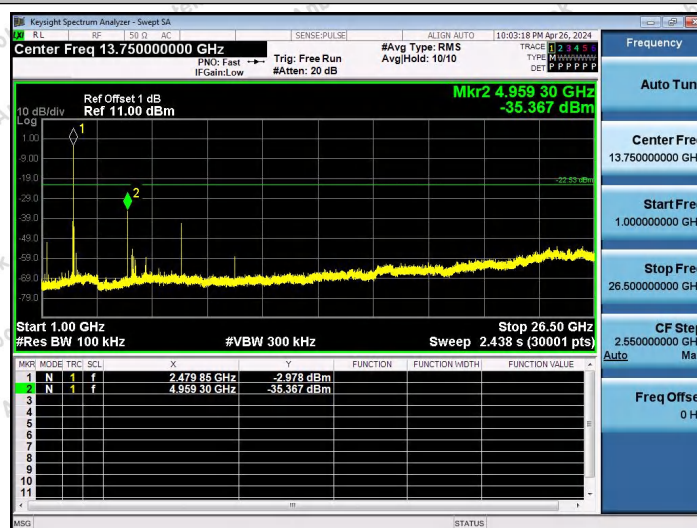




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

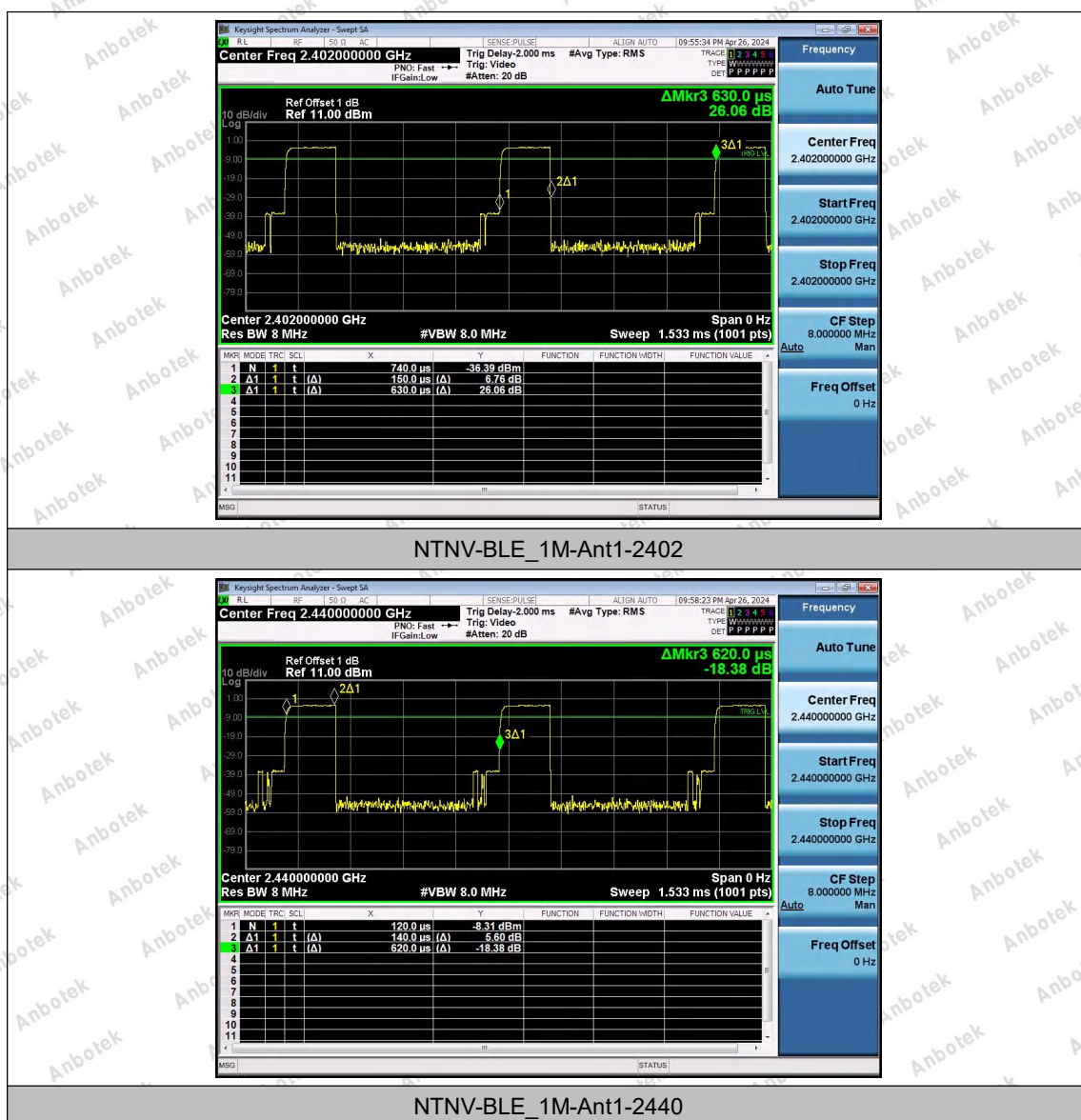


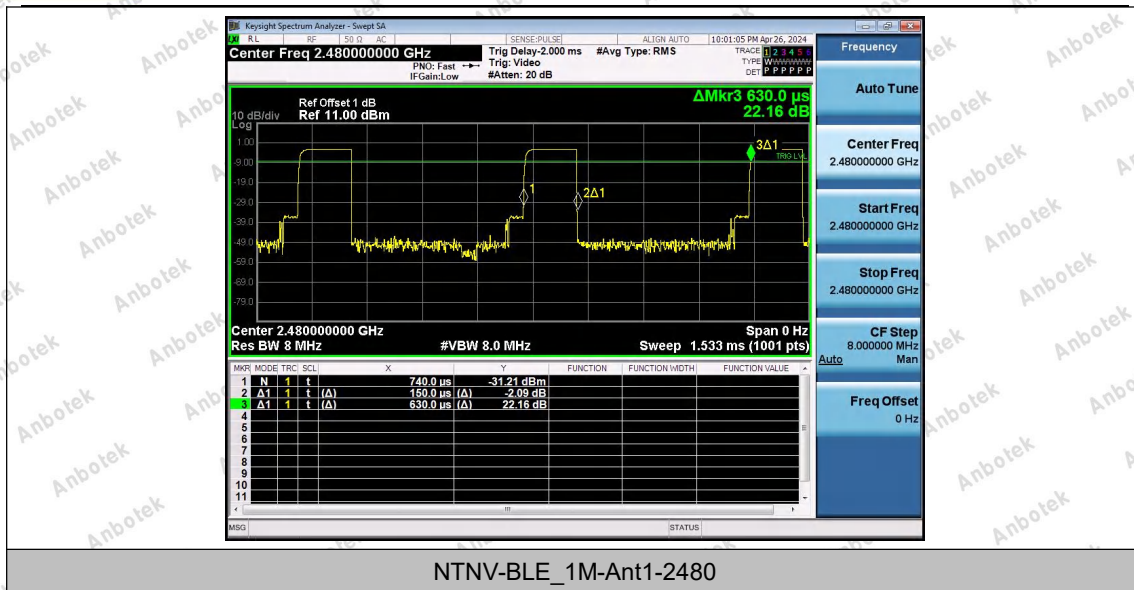
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.15	0.63	23.81	6.23
BLE_1M	Ant1	2440	0.14	0.62	22.58	6.46
BLE_1M	Ant1	2480	0.15	0.63	23.81	6.23

Test Graphs





---End---

