

Appendix Test Data

Report No.:	1812C40062312501	Test Sample No.:	1-2-2
Start Test Date:	2024.9.7	Finish Test Date:	2024.9.7
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.8℃	Relative Humidity:	54%
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	0.704	2401.664	2402.368	0.5	PASS
BLE_1M	Ant1	2440	0.672	2439.664	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.684	2479.672	2480.356	0.5	PASS



Test Graphs



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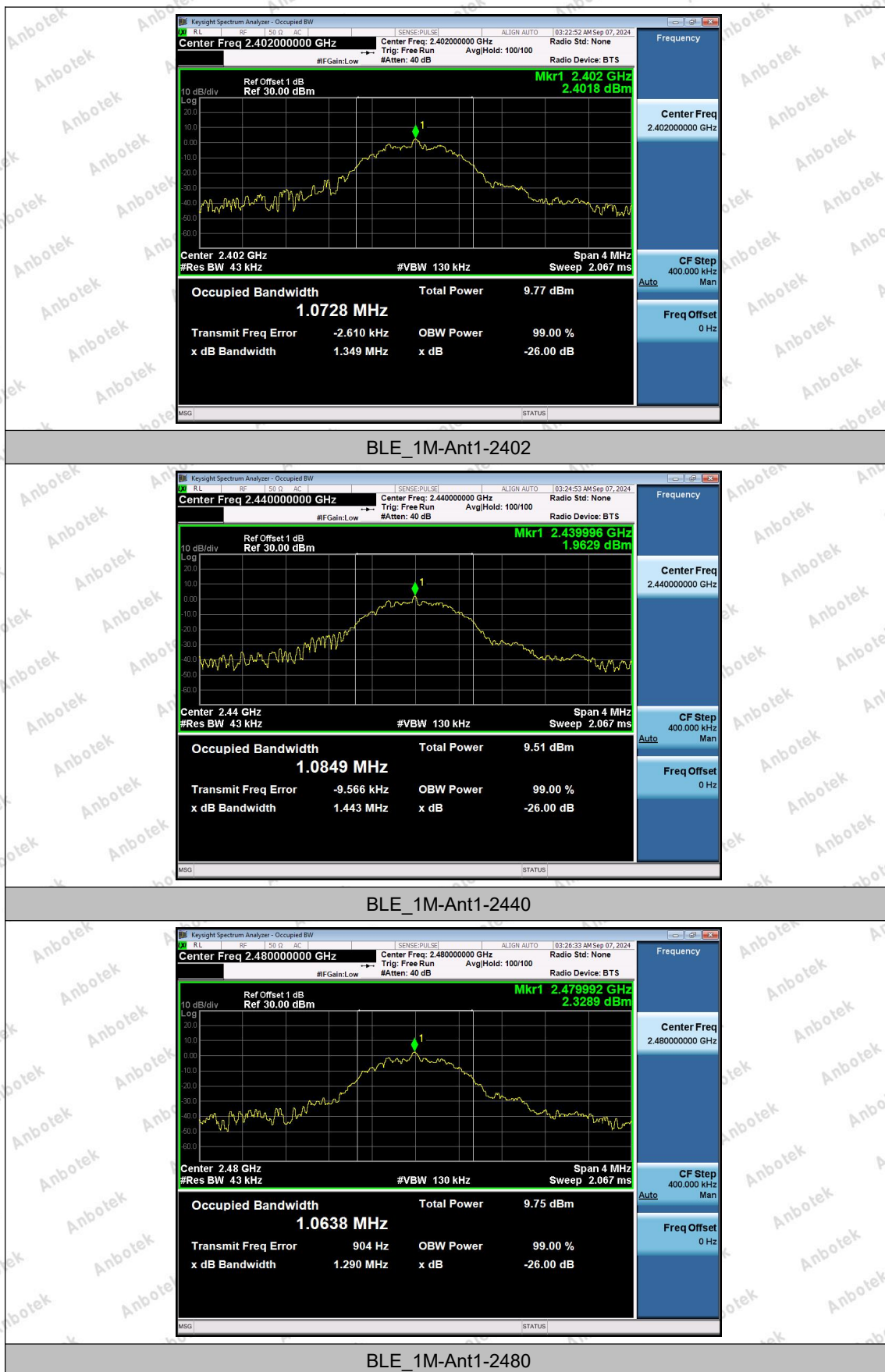
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0728	2401.4610	2402.5338	---	---
BLE_1M	Ant1	2440	1.0849	2439.4480	2440.5329	---	---
BLE_1M	Ant1	2480	1.0638	2479.4690	2480.5328	---	---



Test Graphs



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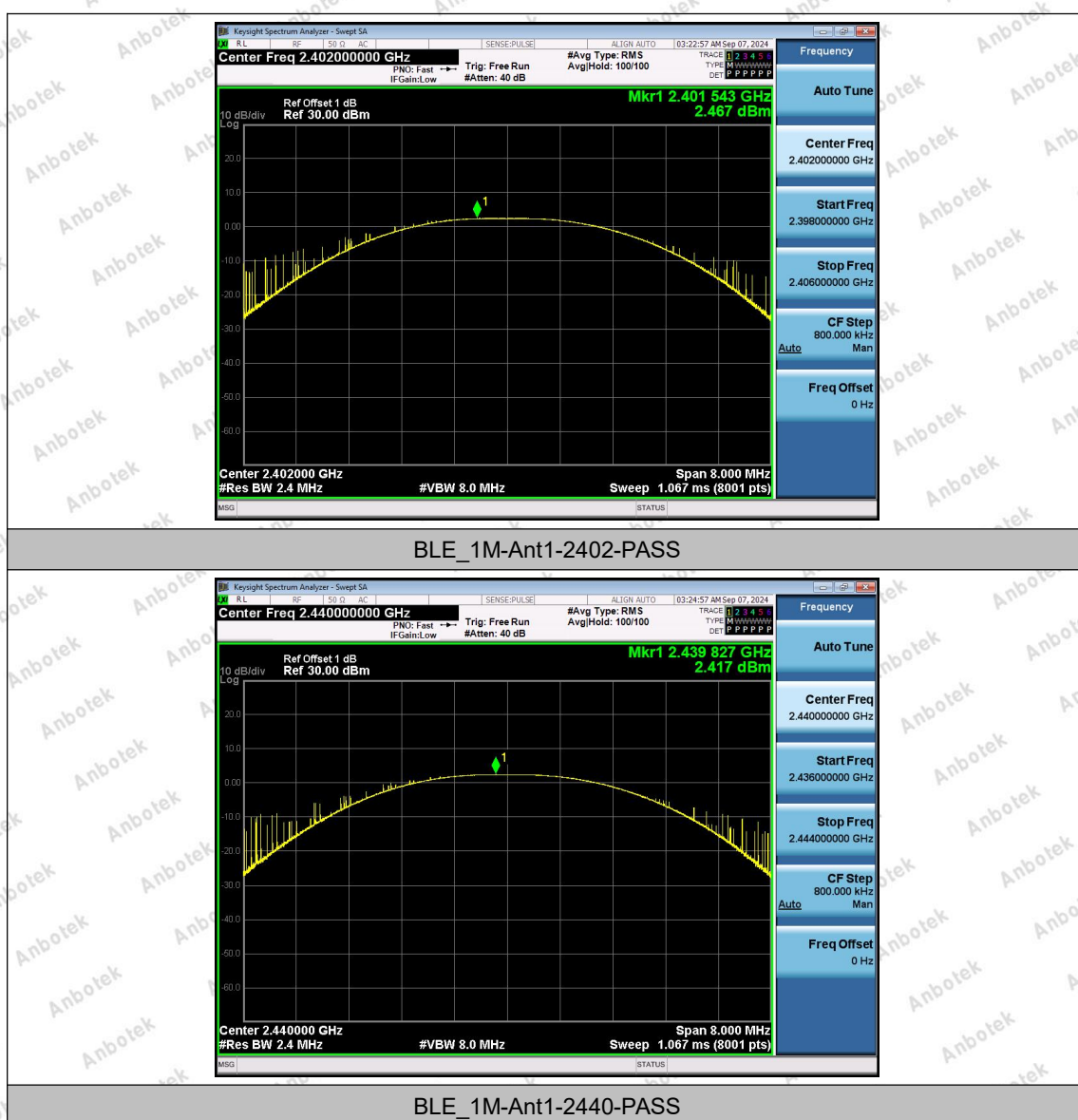


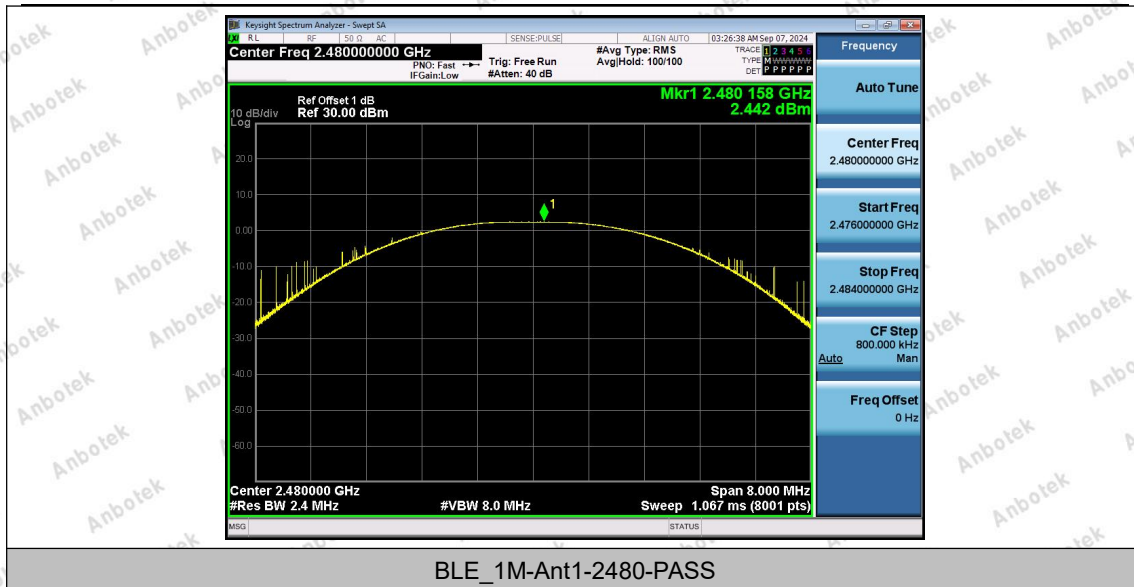
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.47	≤30	PASS
BLE_1M	Ant1	2440	2.42	≤30	PASS
BLE_1M	Ant1	2480	2.44	≤30	PASS

Test Graphs Peak





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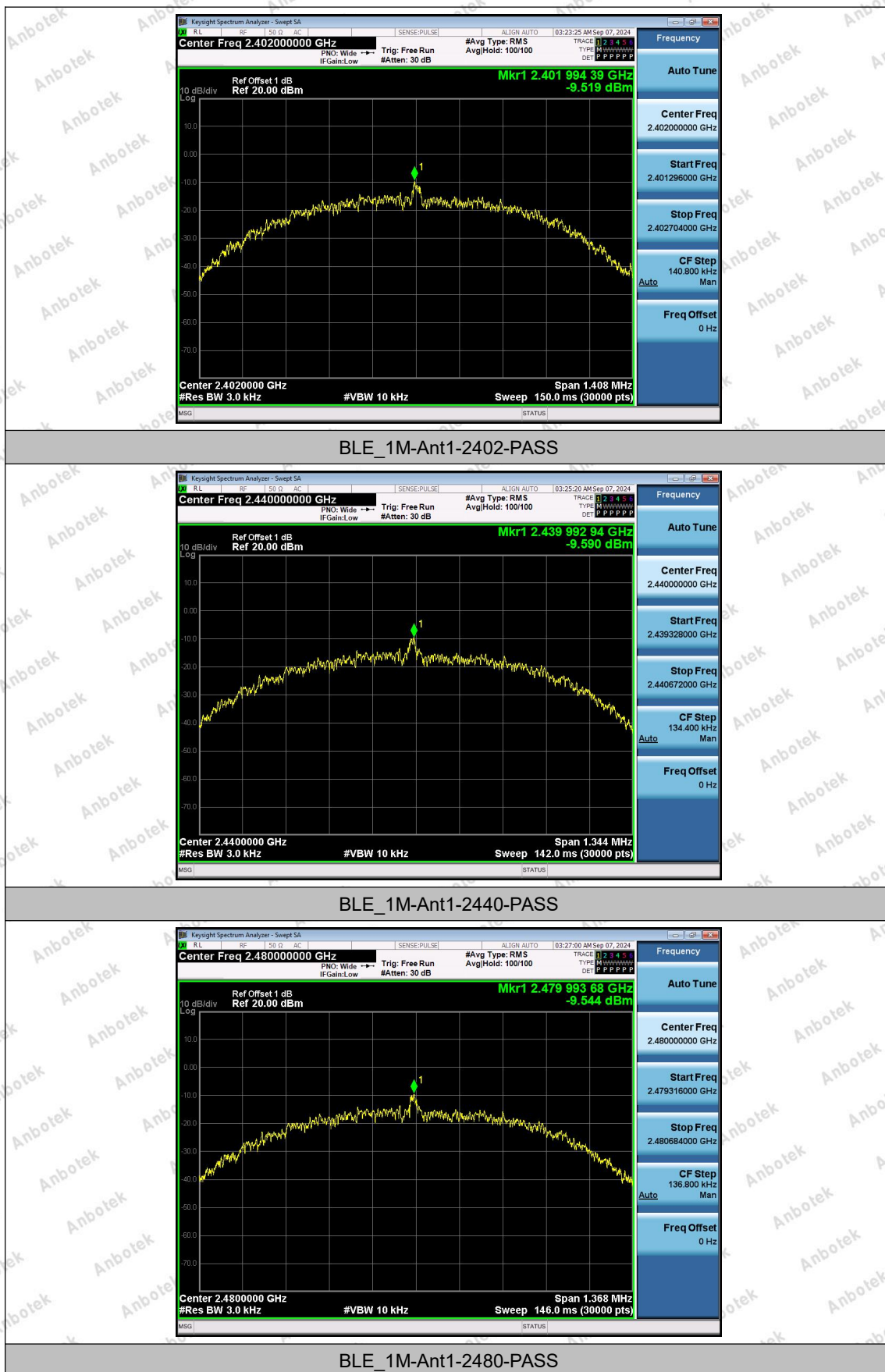
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.52	≤8.00	PASS
BLE_1M	Ant1	2440	-9.59	≤8.00	PASS
BLE_1M	Ant1	2480	-9.54	≤8.00	PASS



Test Graphs



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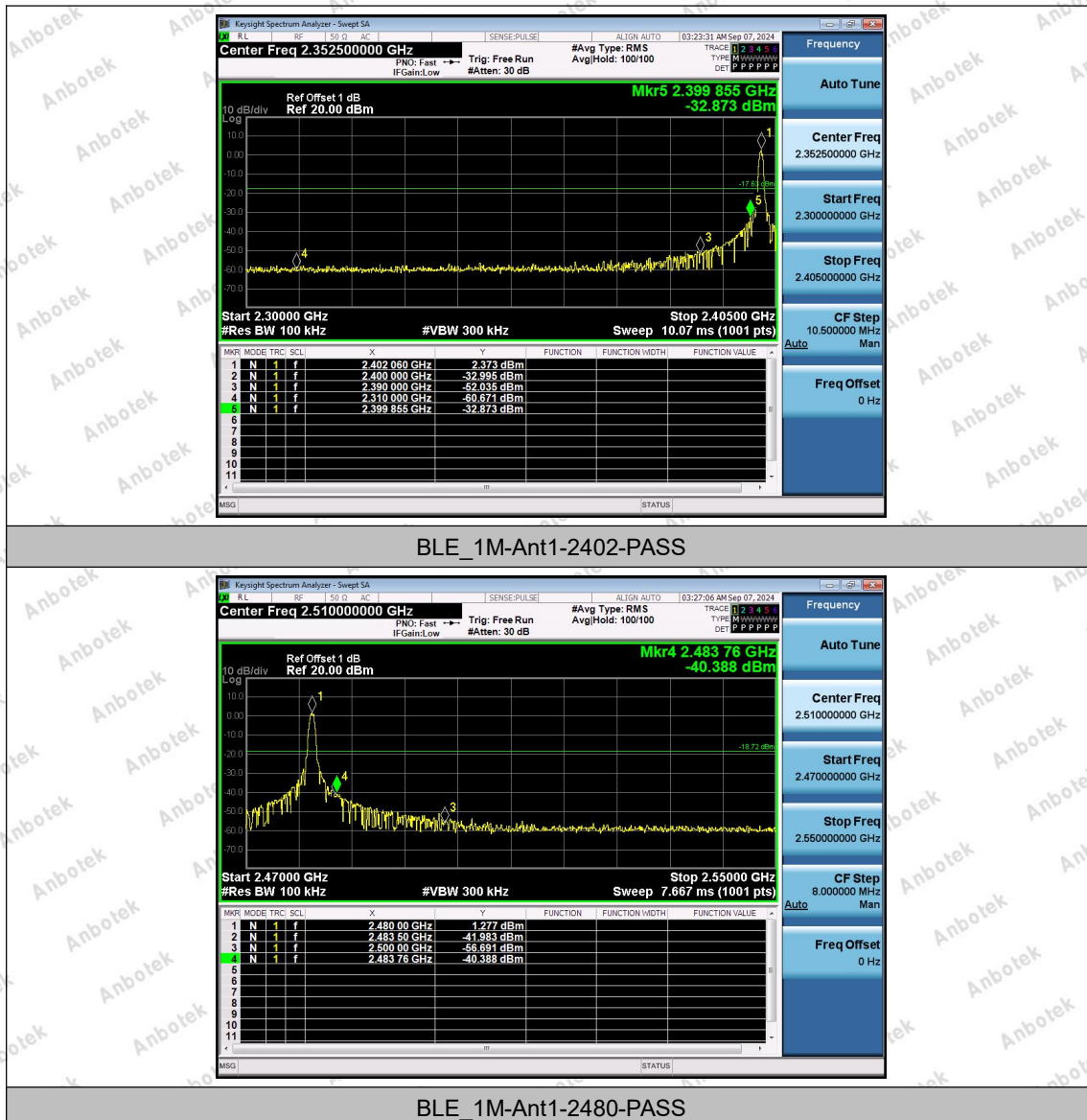
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.37	-32.87	≤-17.63	PASS
BLE_1M	Ant1	High	2480	1.28	-40.39	≤-18.72	PASS



Test Graphs



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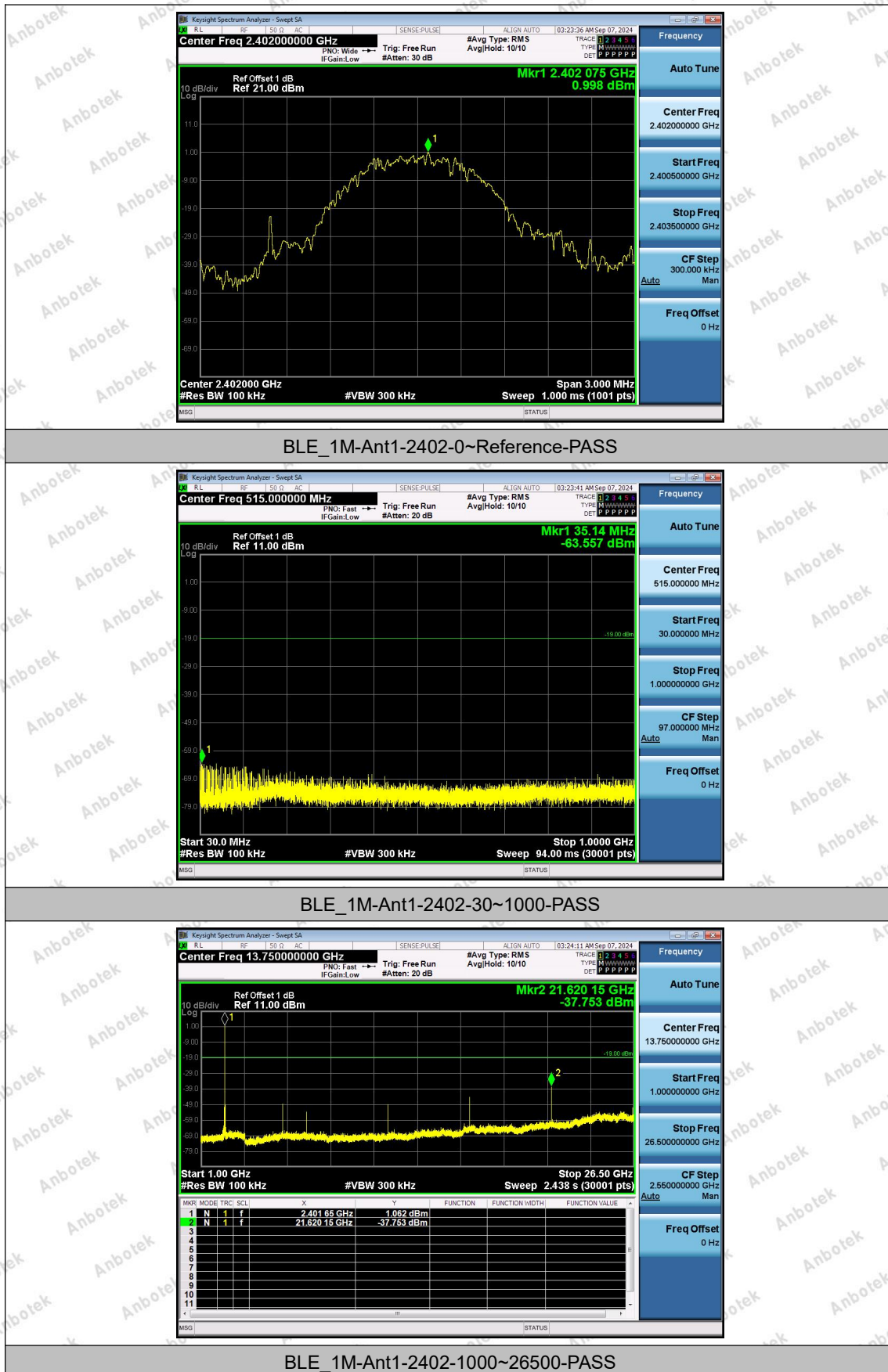
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.00	1.00	---	PASS
BLE_1M	Ant1	2402	30~1000	1.00	-63.56	≤-19	PASS
BLE_1M	Ant1	2402	1000~26500	1.00	-37.75	≤-19	PASS
BLE_1M	Ant1	2440	0~Reference	1.30	1.30	---	PASS
BLE_1M	Ant1	2440	30~1000	1.30	-63.22	≤-18.7	PASS
BLE_1M	Ant1	2440	1000~26500	1.30	-42.65	≤-18.7	PASS
BLE_1M	Ant1	2480	0~Reference	0.68	0.68	---	PASS
BLE_1M	Ant1	2480	30~1000	0.68	-63.05	≤-19.32	PASS
BLE_1M	Ant1	2480	1000~26500	0.68	-39.11	≤-19.32	PASS



Test Graphs



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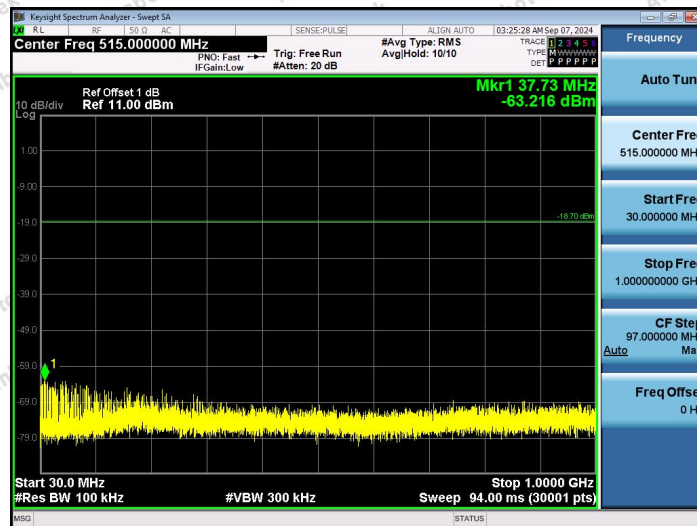


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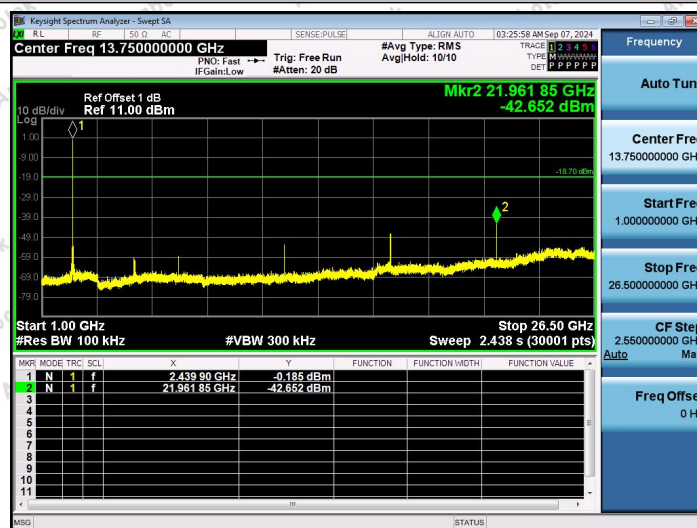




BLE_1M-Ant1-2440-0~Reference-PASS

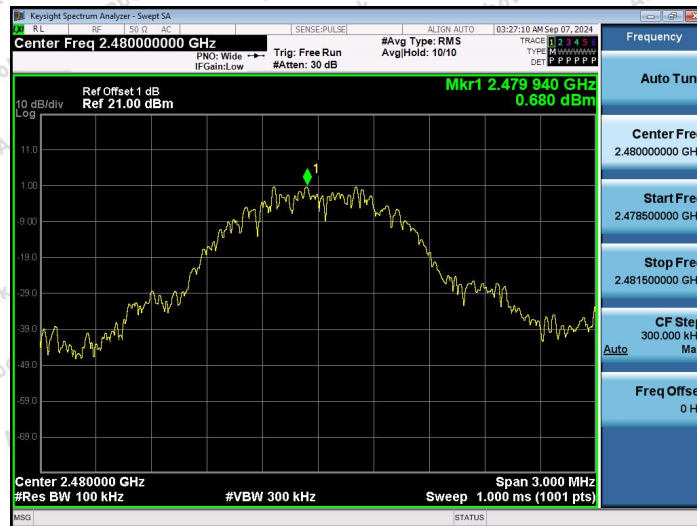


BLE_1M-Ant1-2440-30~1000-PASS

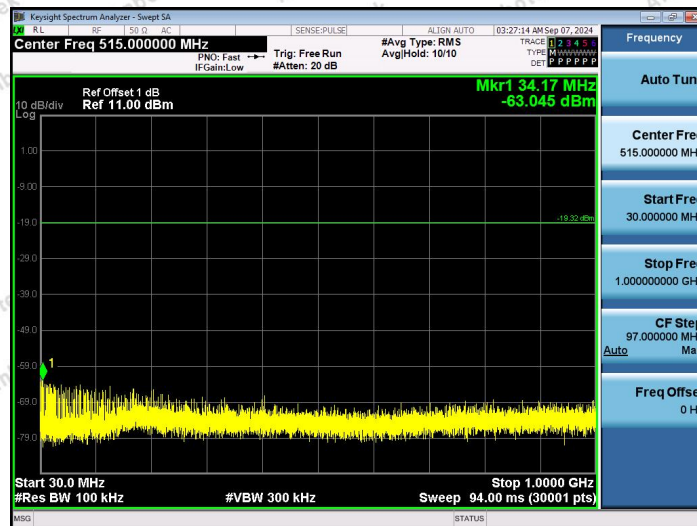


BLE_1M-Ant1-2440-1000~26500-PASS

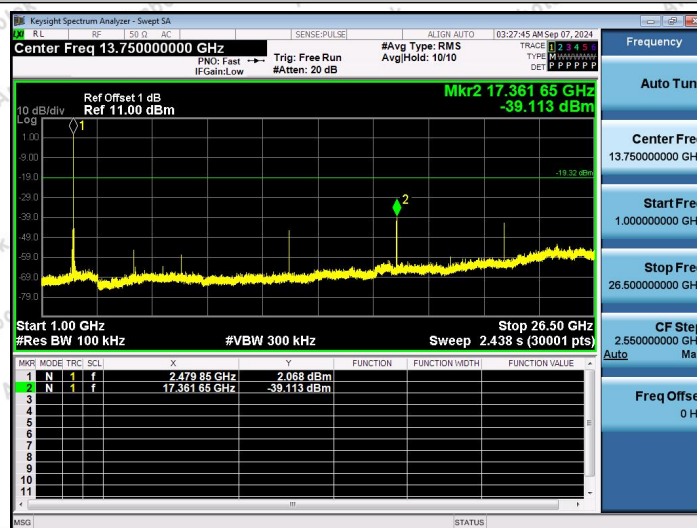




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS



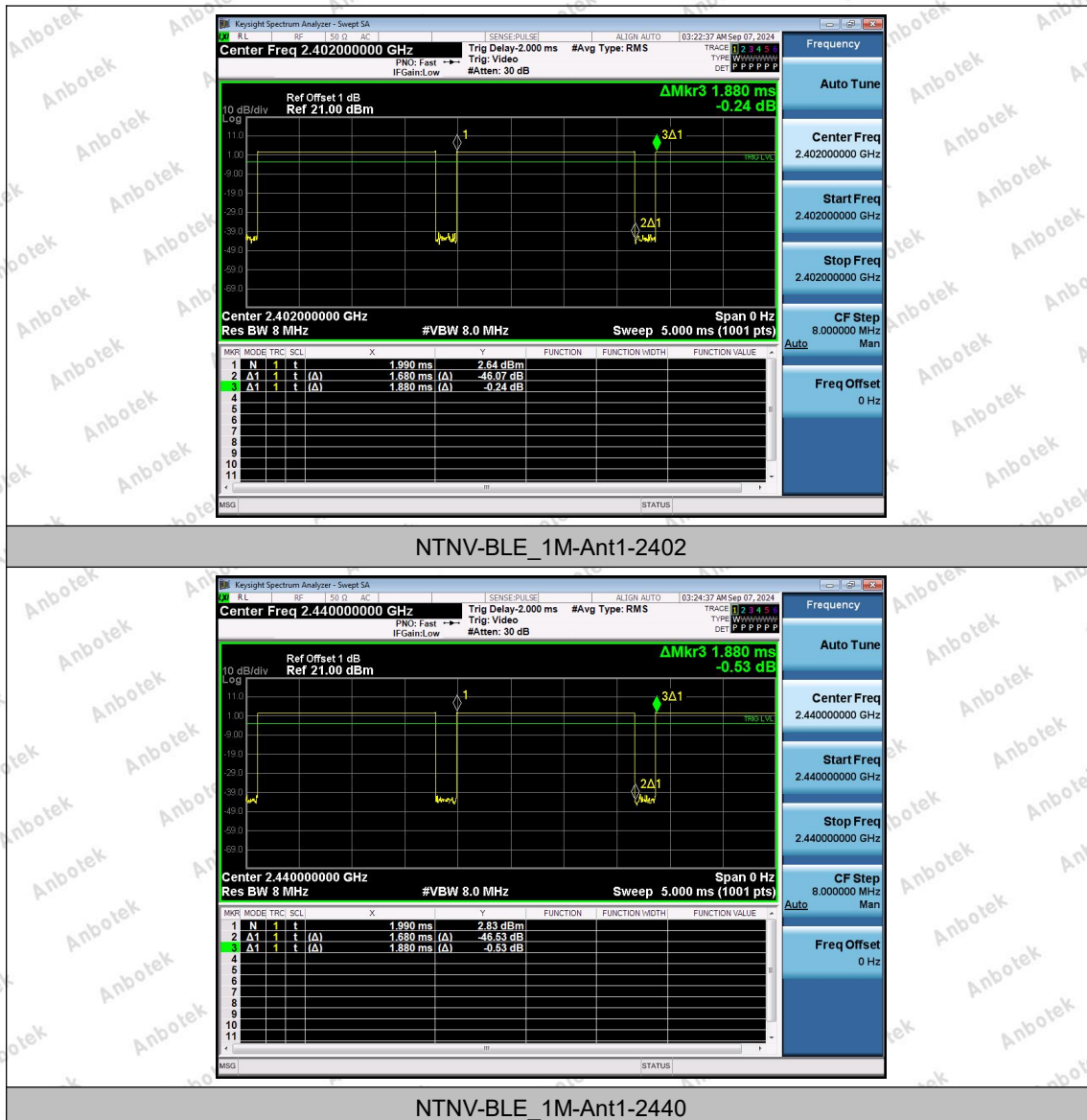
Appendix G: Duty Cycle

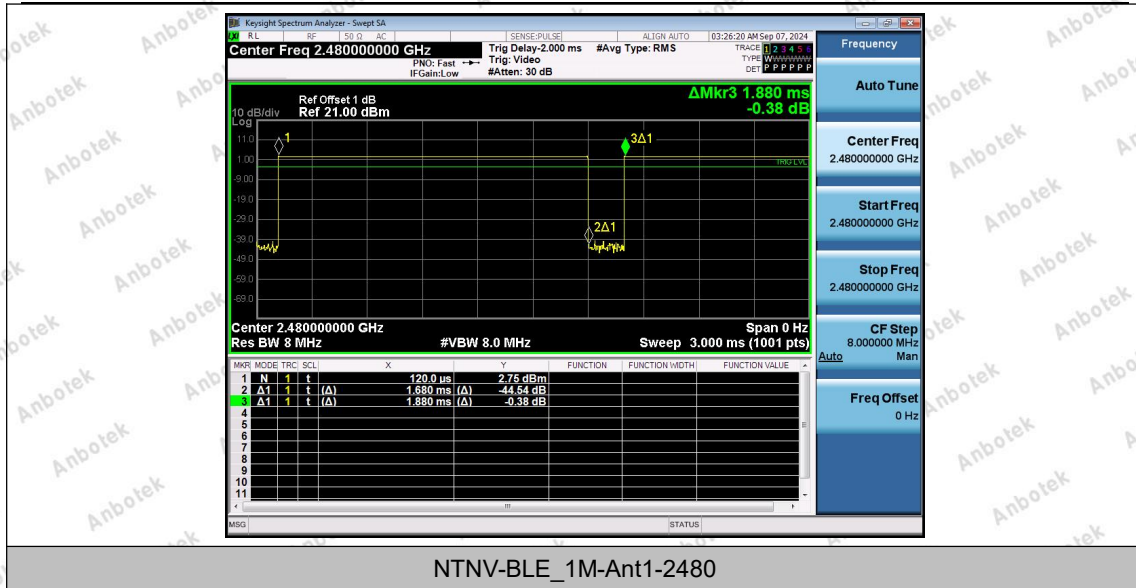
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	1.68	1.88	89.36	0.49
BLE_1M	Ant1	2440	1.68	1.88	89.36	0.49
BLE_1M	Ant1	2480	1.68	1.88	89.36	0.49



Test Graphs





---End---

