

Appendix for Bluetooth BLE Mode

Product Name: A4 Portable Thermal Printer

Model No: XL-A408

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.632	2401.676	2402.308	0.5	PASS
BLE_1M	Ant1	2440	0.648	2439.680	2440.328	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.648	2480.320	0.5	PASS

Test Graphs



Appendix B: Maximum conducted output power

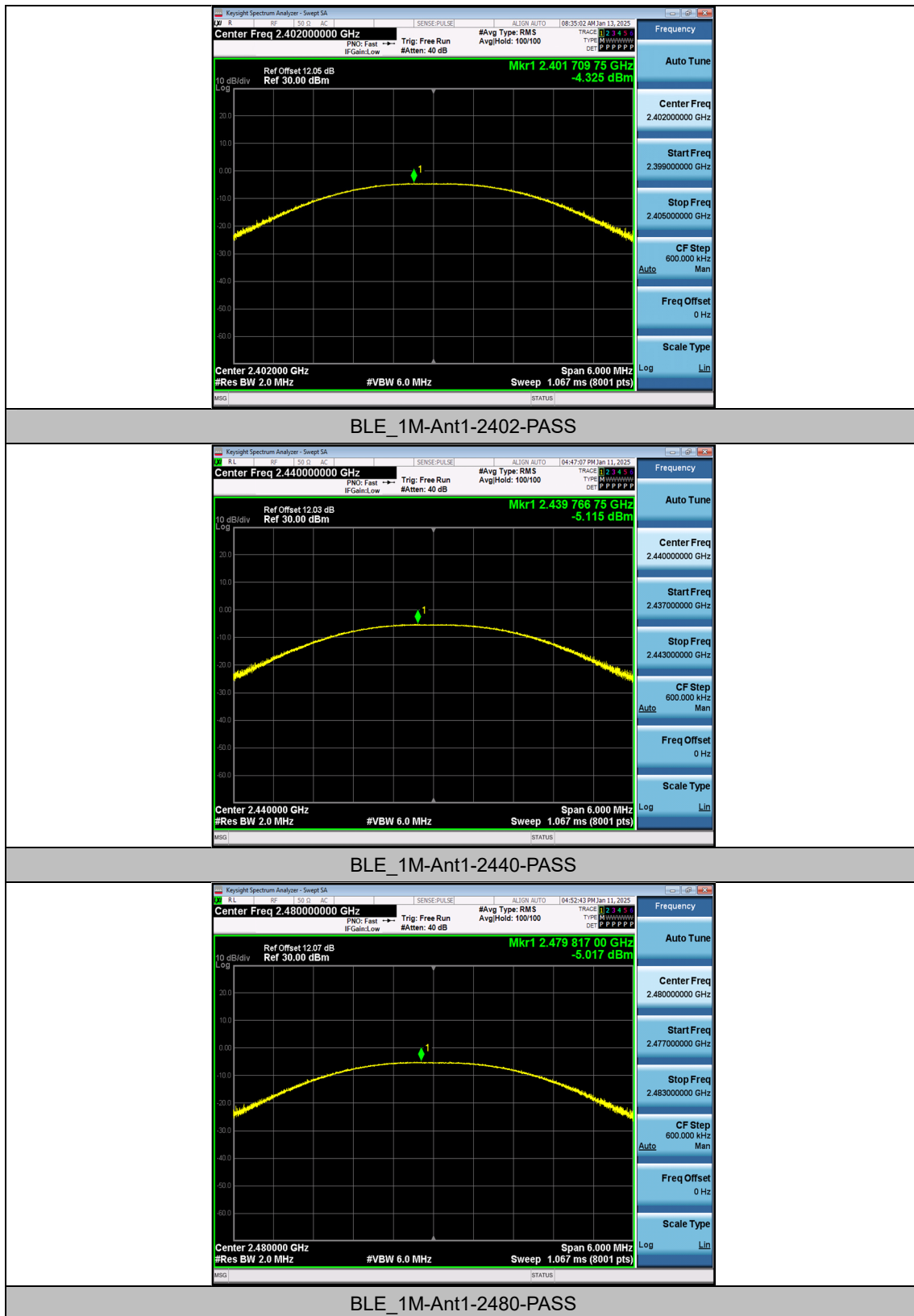
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-4.33	≤30	PASS
BLE_1M	Ant1	2440	-5.12	≤30	PASS
BLE_1M	Ant1	2480	-5.02	≤30	PASS

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Conducted Sensor power[dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-5.24	100.00	0.00	-5.24	≤30.00	PASS
BLE_1M	Ant1	2440	-5.50	100.00	0.00	-5.50	≤30.00	PASS
BLE_1M	Ant1	2480	-5.61	100.00	0.00	-5.61	≤30.00	PASS

Test Graphs Peak

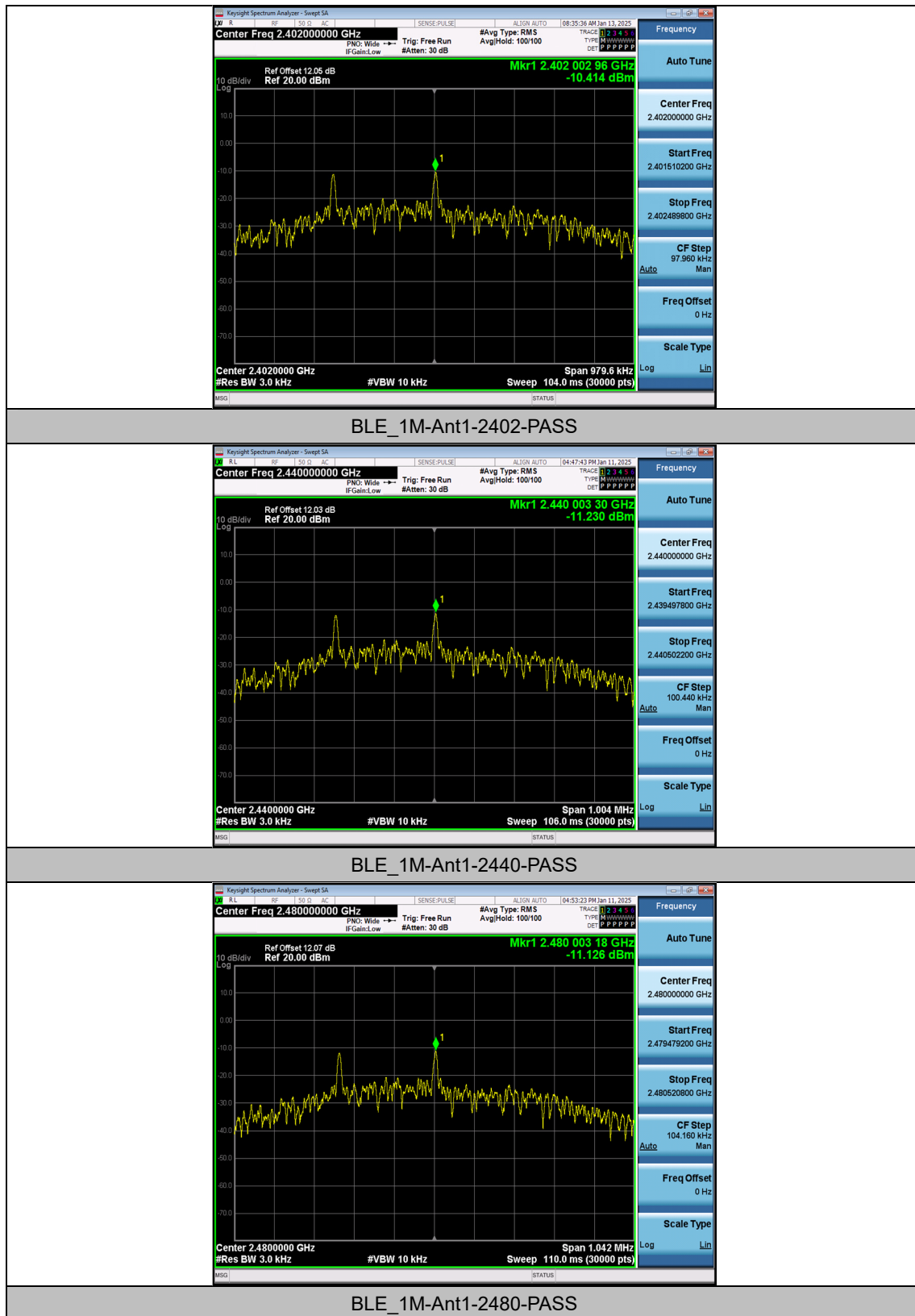


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.41	≤8.00	PASS
BLE_1M	Ant1	2440	-11.23	≤8.00	PASS
BLE_1M	Ant1	2480	-11.13	≤8.00	PASS

Test Graphs

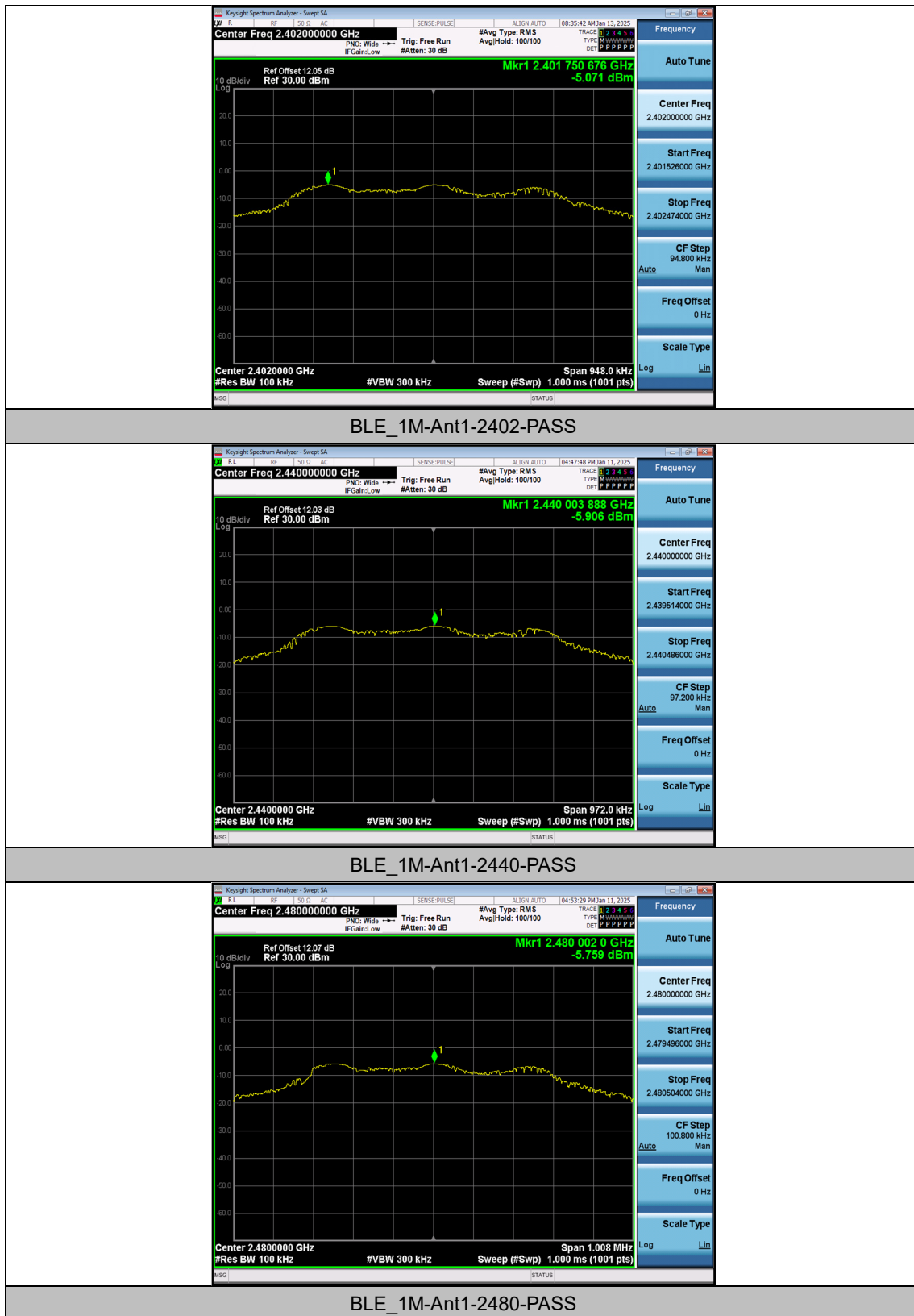


Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.75	-5.07
BLE_1M	Ant1	2440	2440.00	-5.91
BLE_1M	Ant1	2480	2480.00	-5.76

Test Graphs

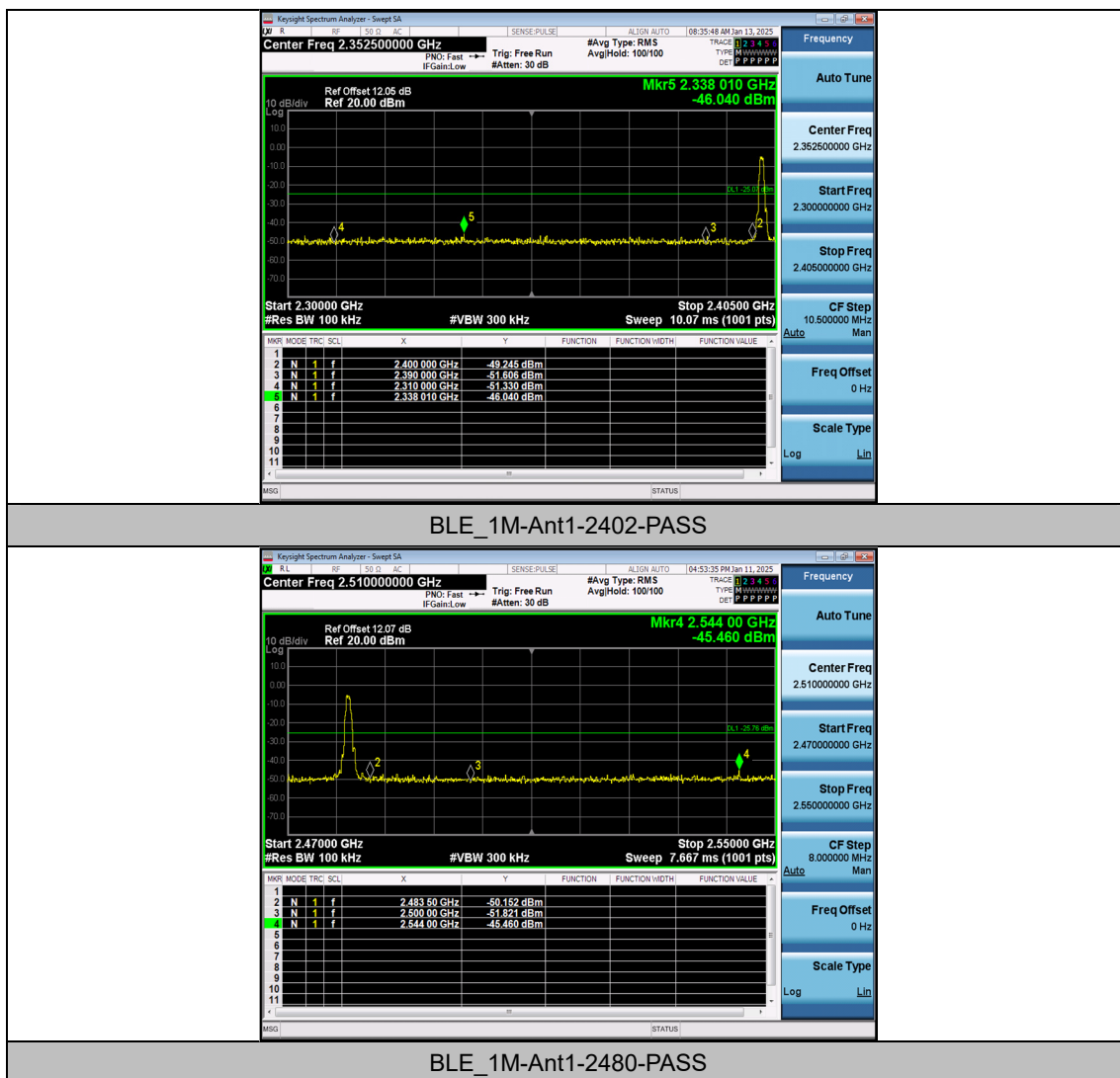


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-5.07	-46.04	≤-25.07	PASS
BLE_1M	Ant1	High	2480	-5.76	-45.46	≤-25.76	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

TestMod e	Antenn a	Frequency[MHz]	FreqRange [MHz]	RefLeve l [dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	2402	30~1000	-5.07	-57.02	≤-25.07	PASS
BLE_1M	Ant1	2402	1000~2650 0	-5.07	-42.43	≤-25.07	PASS
BLE_1M	Ant1	2440	30~1000	-5.91	-56.79	≤-25.91	PASS
BLE_1M	Ant1	2440	1000~2650 0	-5.91	-43.77	≤-25.91	PASS
BLE_1M	Ant1	2480	30~1000	-5.76	-55.38	≤-25.76	PASS
BLE_1M	Ant1	2480	1000~2650 0	-5.76	-43.53	≤-25.76	PASS

Test Graphs

