

Appendix: Bluetooth LE

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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.668	2402.344	0.5	PASS
BLE_1M	Ant1	2440	0.692	2439.644	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.664	2479.664	2480.328	0.5	PASS

Test Graphs





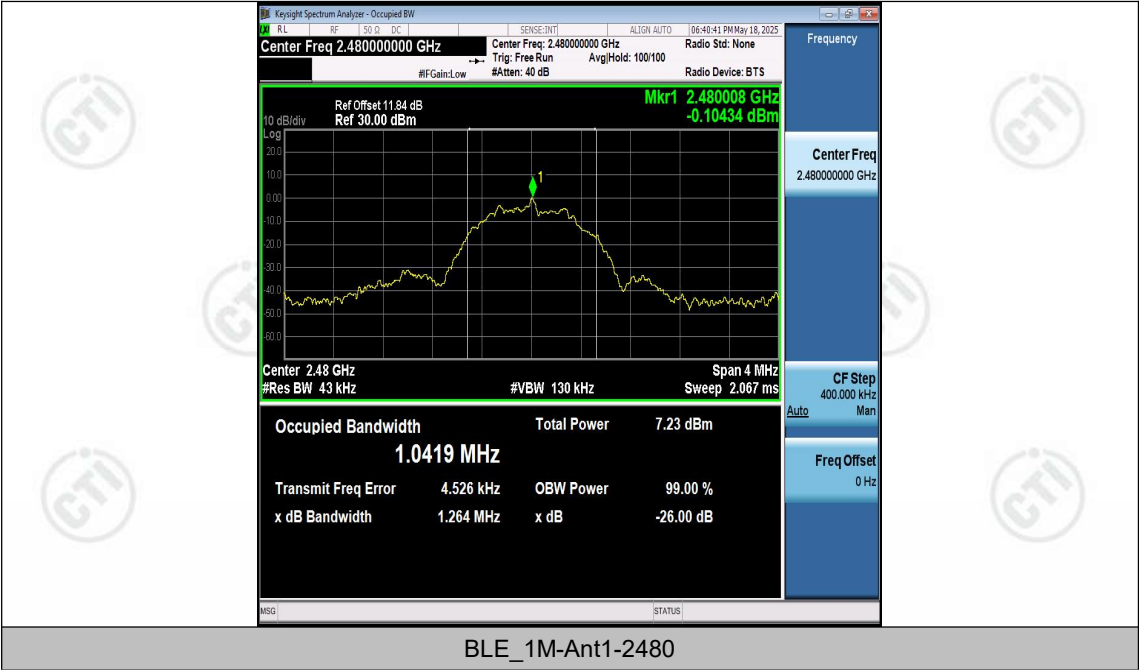
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0292	2401.5025	2402.5317	---	---
BLE_1M	Ant1	2440	1.0245	2439.4909	2440.5154	---	---
BLE_1M	Ant1	2480	1.0419	2479.4836	2480.5255	---	---

Test Graphs





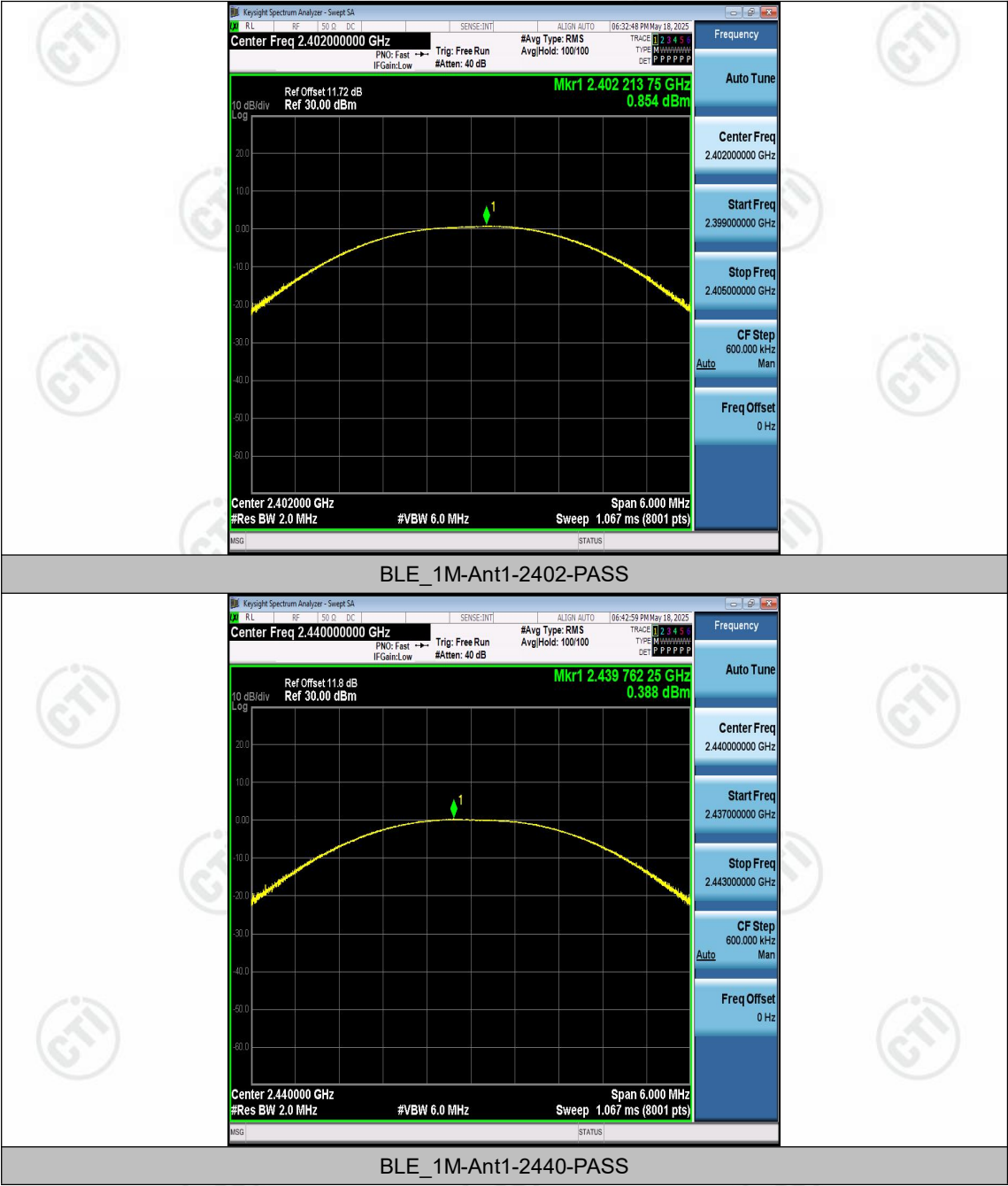
BLE_1M-Ant1-2480

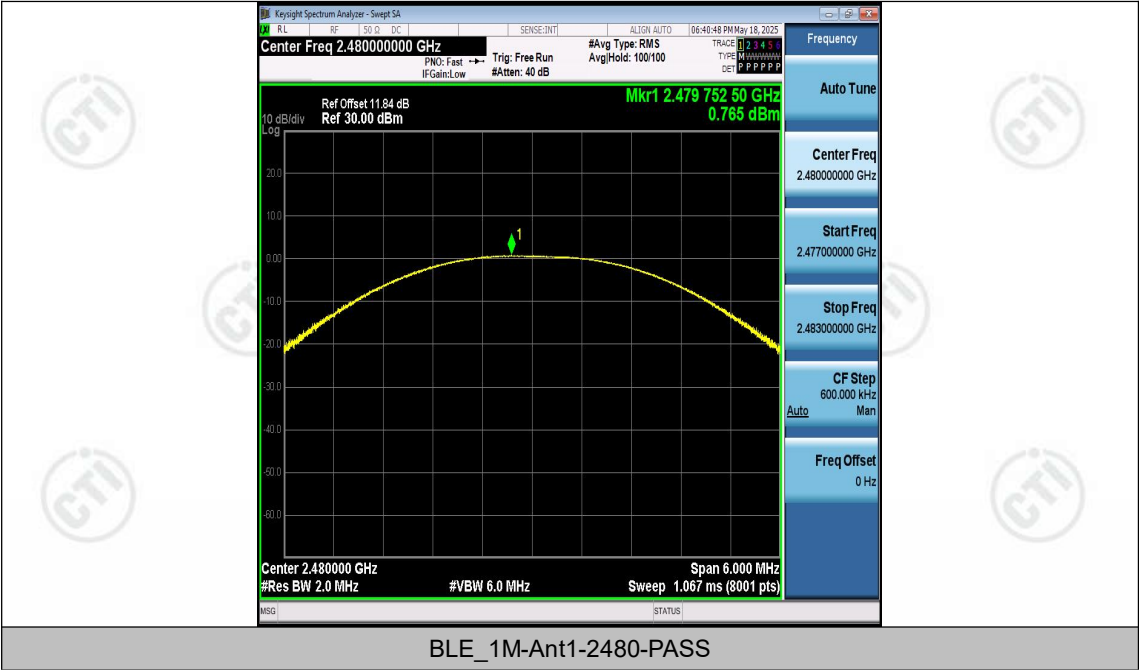
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.85	≤30	PASS
BLE_1M	Ant1	2440	0.39	≤30	PASS
BLE_1M	Ant1	2480	0.77	≤30	PASS

Test Graphs Peak



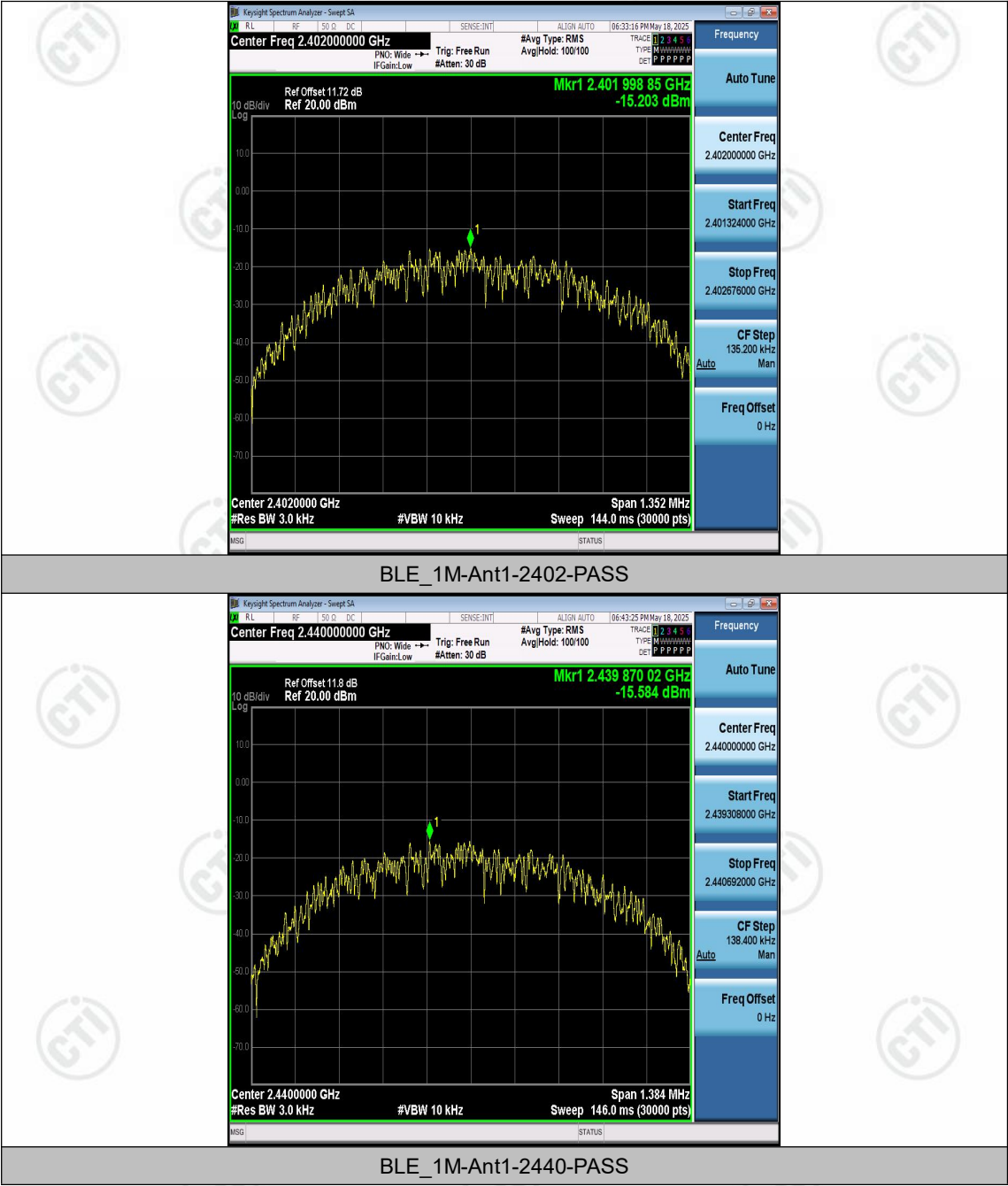


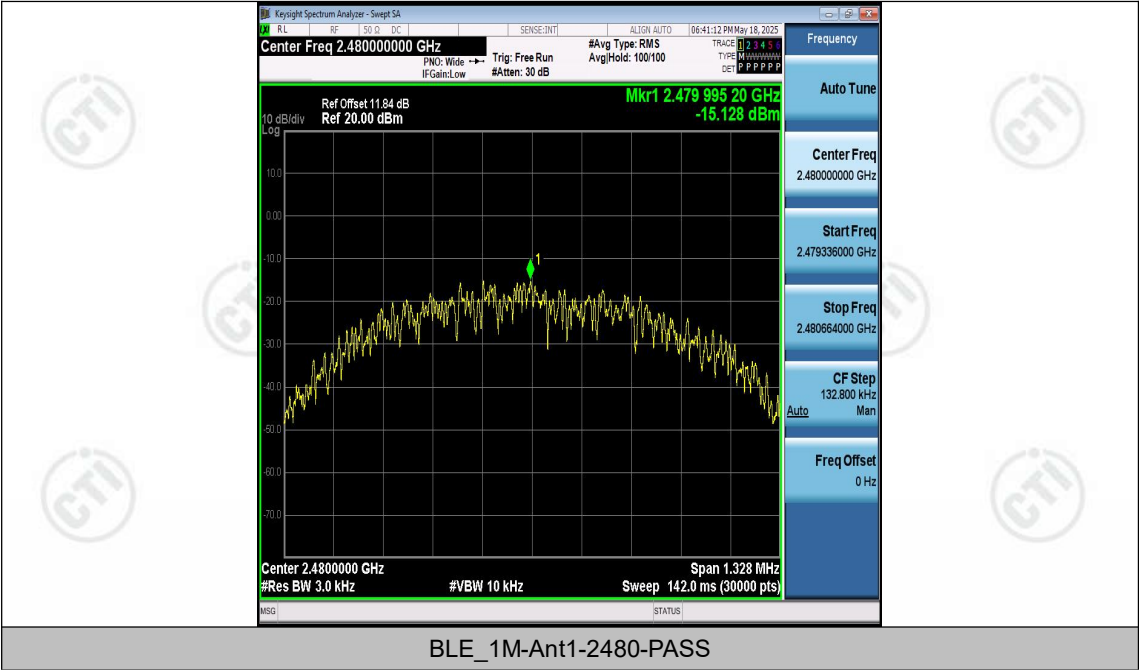
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.20	≤8.00	PASS
BLE_1M	Ant1	2440	-15.58	≤8.00	PASS
BLE_1M	Ant1	2480	-15.13	≤8.00	PASS

Test Graphs



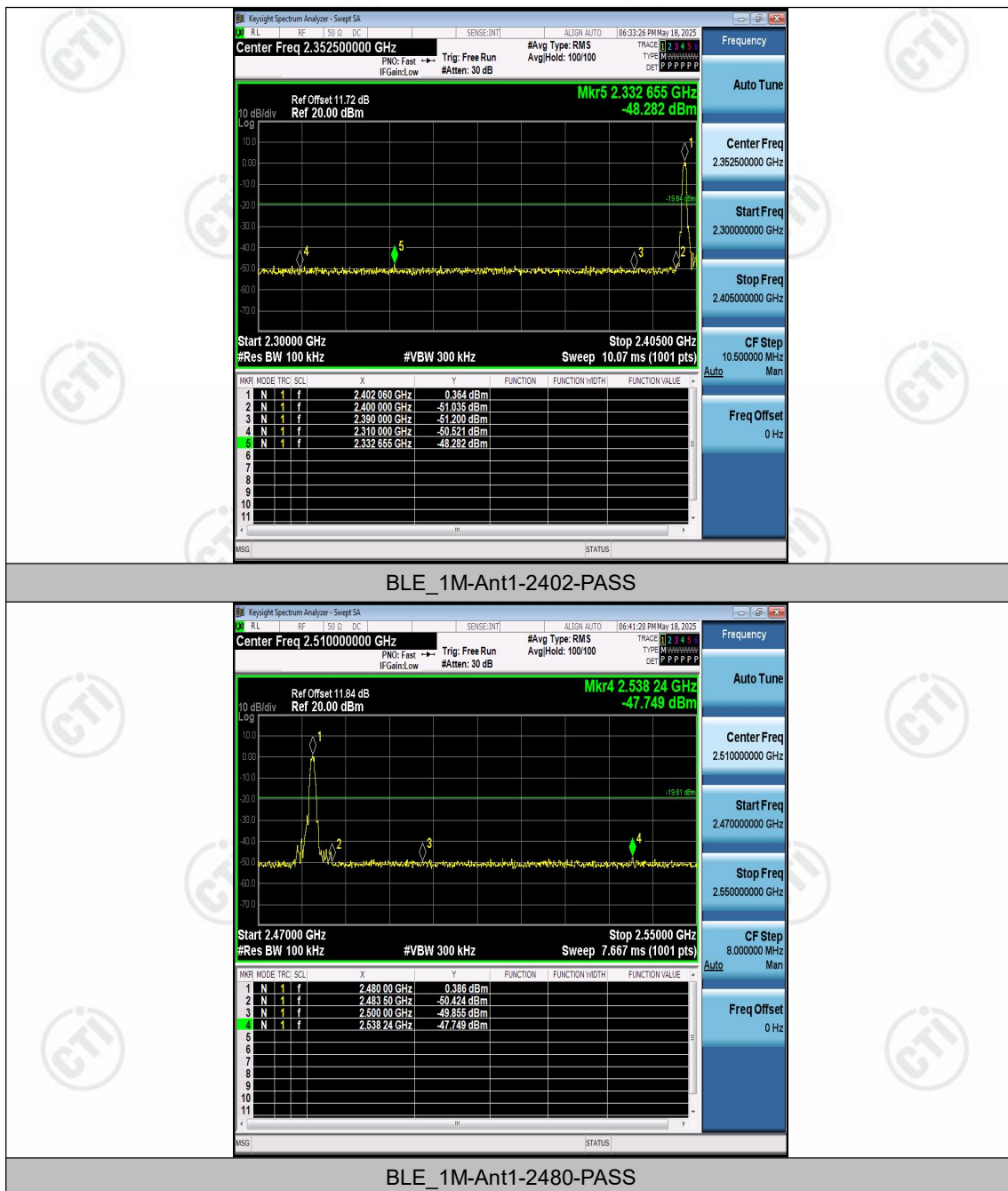


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.36	-48.28	≤-19.64	PASS
BLE_1M	Ant1	High	2480	0.39	-47.75	≤-19.61	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	0.20	0.20	---	PASS
BLE_1M	Ant1	2402	30~1000	0.20	-59.95	≤-19.8	PASS
BLE_1M	Ant1	2402	1000~26500	0.20	-45.72	≤-19.8	PASS
BLE_1M	Ant1	2440	0~Reference	-0.44	-0.44	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.44	-55.06	≤-20.44	PASS
BLE_1M	Ant1	2440	1000~26500	-0.44	-50.26	≤-20.44	PASS
BLE_1M	Ant1	2480	0~Reference	-1.32	-1.32	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.32	-55.87	≤-21.32	PASS
BLE_1M	Ant1	2480	1000~26500	-1.32	-48.63	≤-21.32	PASS

Test Graphs

