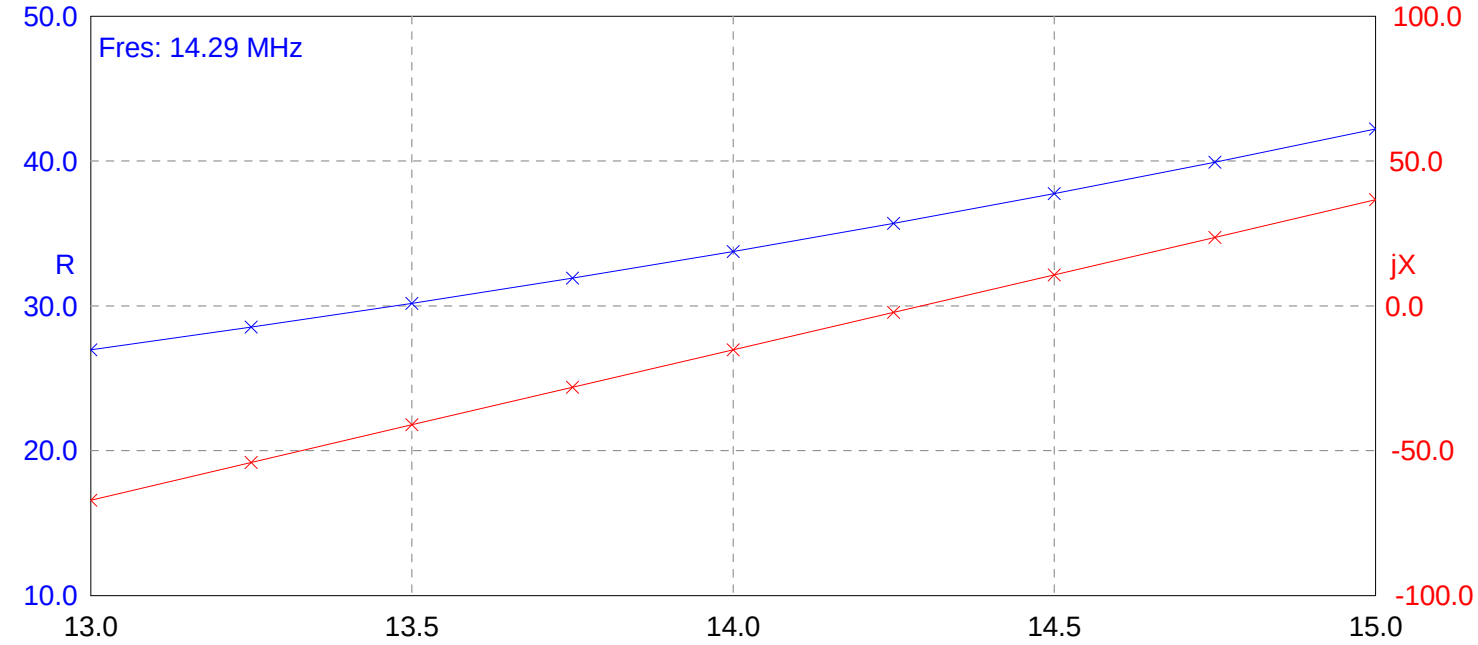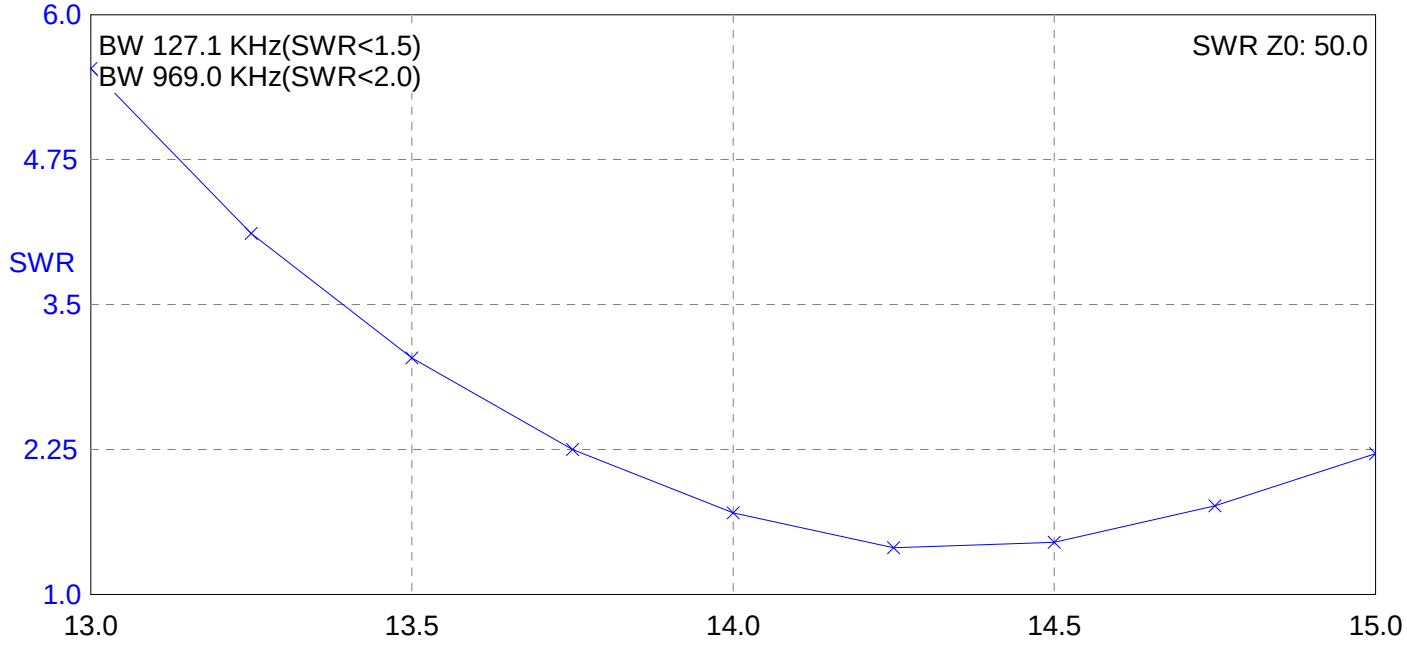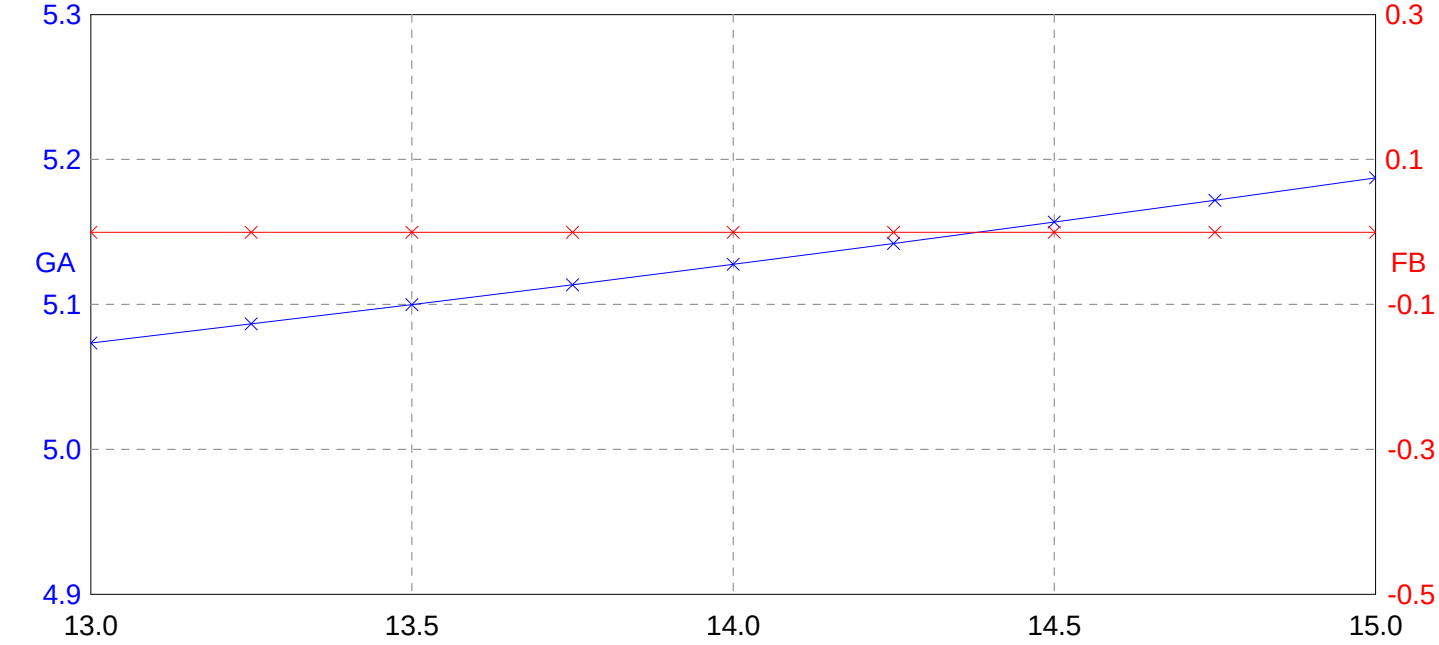MMANA-GAL v. 1.2.0.20