

Laboratory #9: Impedance Matching With A Single Stub Tuner

Appendix A

When constructing the single-stub tuner, the stub portion must be tied to ground. This could imply either as hard ground as shown in Figure A-1a or AC ground in Figure A-1b. In Figure A-1b, the stub is AC shorted using a capacitor which yields a low impedance path to ground for the operational frequency of interest. The preferred method for construction is Figure A-1b.

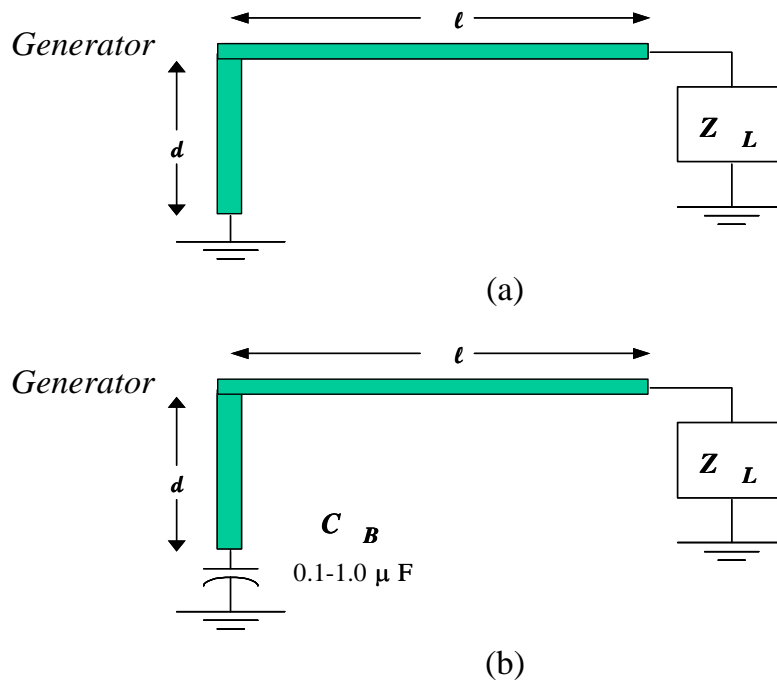


Figure A-1. (a) DC Shorted Stub. (b) AC Shorted Stub with C_B .