

ARRL Handbook CD

Template File

Title: Stanley SWR/Z

Chapter:

Topic: SWR Analyzer Tips, Tricks and Techniques

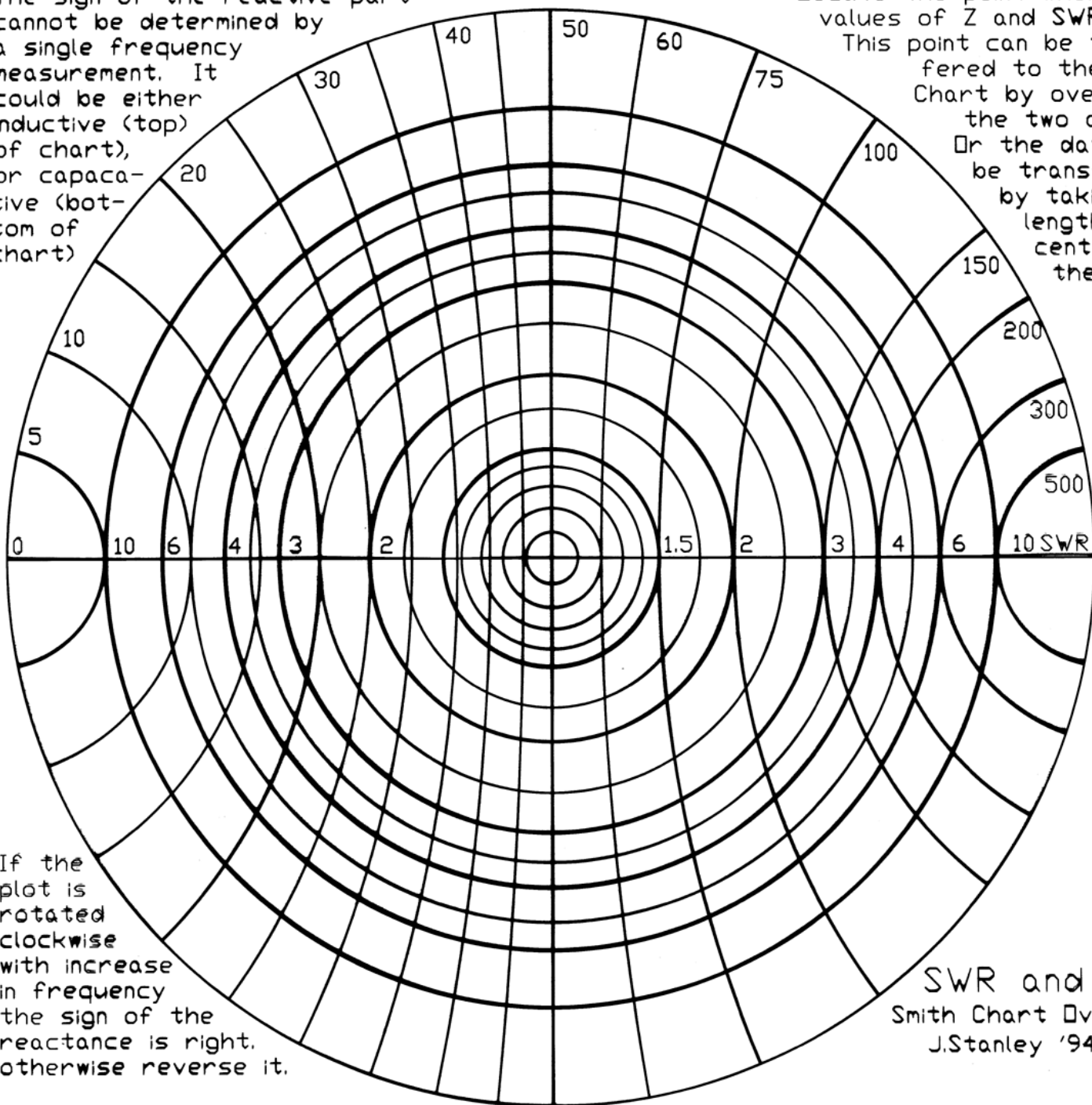
Template contains:

SWR and Z Smith Chart overlay.

Note: The image is intended to be printed onto a transparency for use as an overlay.

The sign of the reactive part cannot be determined by a single frequency measurement. It could be either inductive (top of chart), or capacitive (bottom of chart)

Locate the point where the values of Z and SWR meet. This point can be transferred to the Smith Chart by overlaying the two charts. Or the data can be transferred by taking the length from center and the angle.



If the plot is rotated clockwise with increase in frequency the sign of the reactance is right, otherwise reverse it.

SWR and Z
Smith Chart Overlay
J. Stanley '94