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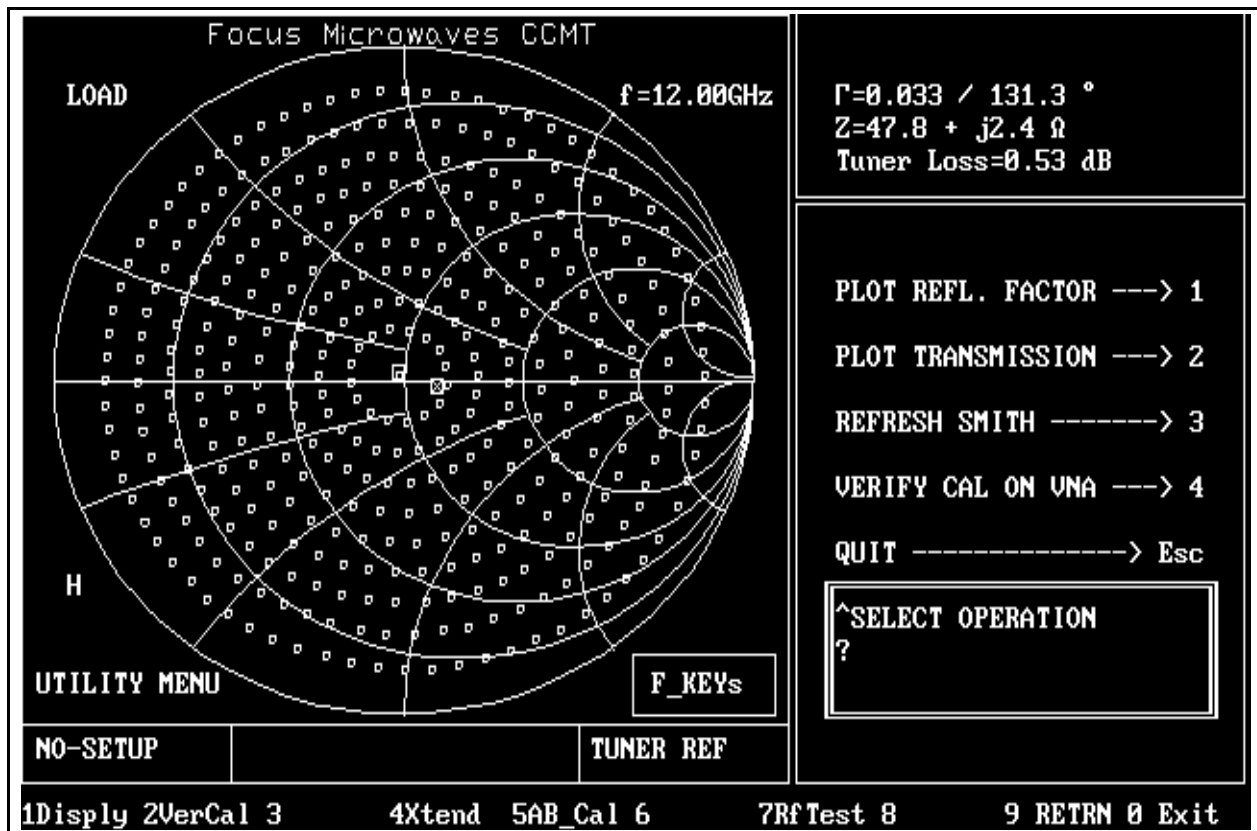
Product Note No 4

High Density CCMT Tuner Calibration

Focus Microwaves introduces a high density tuner calibration feature in order to improve the tuning accuracy of the CCMT tuners around the area of 50 Ω. The new technique uses 385 calibration points per frequency instead of a maximum of 361 used up to now in the CCMT system.

The calibration is fully automatic and increases the tuning accuracy by 5 to 10 dB to an average of 55-60 dB around the centre of the Smith Chart.

A plot of a typical calibration pattern is shown below. This pattern is the same for all calibration frequencies. Γ_{max} can reach up to 0.9 if required.



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