FIELD MAINTENANCE SUPPORT

560 Series Capacity Standard

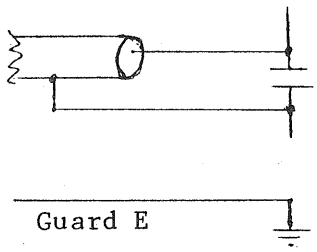
* Calibration Procedure

1. Total effective capacitance was decided upon as 16 pf. This value is not directly measureable but is arrived at by using the equation:

$$C_3 + \frac{C_1 + C_2}{2} = \text{Effective capacitance}$$

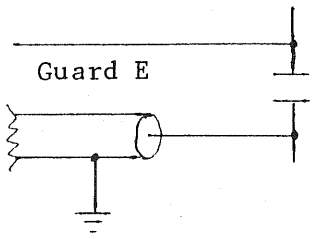
2. Three separate measurements are made for C_1, C_2, and C_3. Use Type 130 L-C Meter - 10 pf scale.

a.



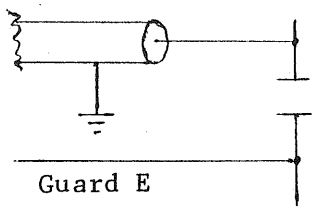
Measuring C_3

b.



Measuring C_2

c.



Measuring C_1

3. The three measurements are made with a short shielded cable with an alligator clip (small as possible) attached to the shield of one end, and a small banana plug to the inner connector. The guard voltage is applied with a patch cord and small alligator clip. A coax fitting is used at the meter end.

4. The measurements are made using an empty male connector plugged into the female connector of the side under test. The meter must be zeroed with the guard voltage and shield clip attached and the inner connector held as close to the desired pin as possible.

* NOTE: Information on "CRT Deflection Plate Capacitance" located in your 560 Series Instrument Manual should be thoroughly "digested" before attempting this procedure.