

short paper this experiment will simultaneously satisfy worst case and best case phase conditions and a VSWR of 2:1 (the assumed detector mismatch) will be measured. But as the probe is moved back and forth, the only interaction will be between the finite capacitance of the 30-dB decoupled probe and the 2:1 detector mismatch to provide a VSWR indication of 1.005:1, much less than the 2:1 first-order error incorrectly predicted in the short paper.

In summary, the detector mismatch in a backwards-connected (power into the probe) slotted line contributes no more error to the measured VSWR than is contributed by the generator mismatch when the slotted line is connected in the normal manner. Careful attention must be given to the harmonic impedances a nonlinear device sees when it is being measured, no matter which way the slotted line or other measuring system is used.

Author's Reply²

J. BARBERO

Mr. Garver's comment is correct. In my short paper the standing wave in the line is calculated as in the normal measurement (detection across the probe) should be done, but this is not the case in the backwards-connected slotted line.

² Manuscript received January 23, 1975.

The author is with the Centro de Investigaciones Fisicas, Serrano, 144, Madrid 6, Spain.

Nevertheless, Mr. Garver says that it is necessary to pay attention to the harmonics generated in the measurement of nonlinear devices. The measurement method under discussion is usual when the signal in the unknown must be kept very low, and in this case, the device is practically linear, so the harmonics generated are negligible.

Correction to "A Class of Waveguide Filters for Over-Moded Applications"

CHUNG-LI REN AND HAN-CHIU WANG

In the above paper,¹ two typographical errors should be noted.

- 1) On page 1203, the second line above (5), $\beta_\epsilon \simeq (k_\epsilon)^{1/2}$ should read $\beta_\epsilon \simeq k(\epsilon)^{1/2}$.
- 2) On page 1205, in the footnote to Table I, $Z_{Ii}/Z_0 = (Z_I/Z_0)m_i$ should read $Z_{Ii}/Z_0 = (Z_I/Z_0)^{m_i}$.

Manuscript received January 29, 1975.

The authors are with Bell Laboratories, North Andover, Mass. 01845.

¹ C.-L. Ren and H.-C. Wang, *IEEE Trans. Microwave Theory Tech. (Part II)* (1974 Symposium Issue), vol. 22, pp. 1202-1209, Dec. 1974.