

Abstracts

A fully automated high-accuracy RF/IF test system for millimeter- and submillimeter-wave mixers

R.J. Dengler, A. Hanpachern and P.H. Siegel. "A fully automated high-accuracy RF/IF test system for millimeter- and submillimeter-wave mixers." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1719-1722.

An automated RF/IF test system for complete, accurate measurement of millimeter and submillimeter-wave mixer performance is described. Improved ability to measure mixers with high IF output impedance over a 1-18 GHz bandwidth has been achieved through the use of an automatic tuner and swept scalar reflection measurement. An accurate means of measuring mixer sideband response over a wide IF range is also described.

[Return to main document.](#)