

# Abstracts

## Transmission Response Measurements of Frequency Translating Devices

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*C.J. Clark, A.A. Moulthrop, M.S. Muha and C.P. Silva. "Transmission Response Measurements of Frequency Translating Devices." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1285-1288.*

This paper presents two methods for accurately determining the transmission response of frequency translating devices: an inferred response technique using a vector network analyzer, and a direct response technique utilizing a microwave transition analyzer. Tradeoffs between these two approaches are presented along with results for a 20 GHz downconverter. The emphasis here is on single-sideband converters, but the application to double-sideband converters is also described briefly.

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