

# Abstracts

## Analysis and measurement of multi-tone intermodulation distortion of microwave frequency converters

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*J.C. Pedro and N.B. Carvalho. "Analysis and measurement of multi-tone intermodulation distortion of microwave frequency converters." 2001 MTT-S International Microwave Symposium Digest 01.3 (2001 Vol. III [MWSYM]): 1671-1674 vol.3.*

Using a time-variant 3rd order model, it is shown that the distortion arising in microwave frequency converters can be identified by signal-uncorrelated distortion components, but also by another signal-correlated part. Because this correlated contribution cannot be observed with conventional intermodulation set-ups, a new measurement bench is proposed and tested.

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