# Abstracts

## Improved balanced crossed dipole quasi-optical frequency doubler

*S. Helbing, F. Alimenti, M. Cryan, P. Mezzanotte, L. Roselli and R. Sorrentino. "Improved balanced crossed dipole quasi-optical frequency doubler." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1941-1944.*

An improvement of a quasi-optical frequency doubler based on crossed dipoles is proposed. The directivity of the dipole antenna is increased by adding parasitic elements similar to the Yagi-Uda approach. Layout and promising measured results of a structure with one reflector are presented and further steps for possible improvements suggested.

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