

Abstracts

A 5.9-16.3 GHz Agile Tuning Source Using Wideband Millimeter Wave MMIC Circuits

G. Dietz, S. Moghe, H. Fudem, R. Haubenstricker and R. Becker. "A 5.9-16.3 GHz Agile Tuning Source Using Wideband Millimeter Wave MMIC Circuits." 1992 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 92.1 (1992 [MCS]): 61-64.

An agile tuning VCO assembly which covers a wide tuning range with a single control voltage has been developed. The VCO assembly achieved a frequency output of 5.9-16.3 GHz using a single silicon varactor over the tuning range of 0-20 volts. The VCO assembly was realized by combining specially designed wideband millimeter wave VCO/doubler, mixer and DRO MMIC chips.

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