

Abstracts

An Injection Locked Push-Pull Oscillator at Ku-Band

X. Zhou and A.S. Daryoush. "An Injection Locked Push-Pull Oscillator at Ku-Band." 1993 Microwave and Guided Wave Letters 3.8 (Aug. 1993 [MGWL]): 244-246.

A new MESFET push-pull oscillator at Ku-band has been designed and tested. This configuration demonstrated 1) a larger subharmonic injection locking range and 2) lower FM noise without using a frequency stabilized dielectric resonator. This new oscillator demonstrated significant potential for use in subharmonic optically synchronized local oscillators in phased array.

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