

Abstracts

An Ultra Low Noise Microwave Synthesizer (1979 [MWSYM])

G.D. Alley and H.C. Wang. "An Ultra Low Noise Microwave Synthesizer (1979 [MWSYM])."
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A silicon bipolar transistor together with a Ba₂Ti₉O₂₀ dielectric resonator were used to design a low noise microwave synthesizer. The resulting FM noise Δf_{rms} , was less than 0.0003 Hz in any 1 Hz band greater than 1000 Hz from the 1 GHz carrier.

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