

# QEX

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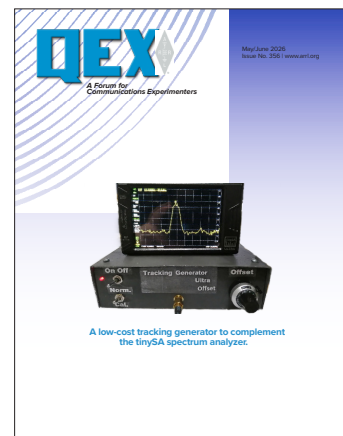


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May/June 2026

## About the Cover

A compact, low-cost tracking generator transforms the tinySA Ultra into a far more capable RF measurement tool, enabling real-time filter alignment and mixer evaluation across 0 – 800 MHz. Valentino Barbi, I4BBO, presents a practical design using an active mixer and VCO offset scheme to overcome dynamic range and coupling limitations.



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