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May/June 2015

About the Cover

Rubens Fernandes, VK5FE, built his own version of a Tricorder. His hand-held tool serves three important functions: it includes a 2 kHz to 500 MHz, -130 to +8 dBm RF generator, a 150 kHz to 500 MHz, -65 to +8 dBm power meter, and a 150 kHz to 500 MHz scalar network analyzer. A TFT touch screen provides input control and data display capabilities.

In This Issue

Features

The Tricorder — A Self-Contained and Integrated 500 MHz **RF Signal Generator, Power Meter and Network Analyzer** Rubens R. Fernandes, VK5FE

TAPR Looks to Advance the Work of John Stephenson, KD60ZH Scotty Cowling, WA2DFI and Chris Testa, KD2BMH

A High Performance 45 MHz IF Amplifier for an **Up-Conversion HF/LF Receiver** Colin Horrabin, G3SBI

\$25 10 GHz Signal Generator Jeff Wadsworth, KI5WL

SDR Simplified Ray Mack, W5IFS

Index of Advertisers

Down East Microwave Inc:	22
Kenwood Communications:	Cover II
M ² :	Cover III
Nemal Electronics International, In	c:44

Quicksilver Radio Products	Cover IV
RF Parts:	33, 35
Tucson Amateur Packet Radio:	Cover III