

AN X-BAND TRANSCEIVER MODULE FOR MAIR

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Abstract

An X-band transceiver phased array module is described for MAIR (Modular Airborne Intercept Radar). The transmit chain produces an output power of 4 watts -- while the receive section exhibits a noise figure of 7 dB. In addition, recent developments in improving the module's efficiency, bandwidth and size reduction will be presented. A typical radar configuration is presented using this module.

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