Abstracts

T/R Module Architectural Consideration for Active Electronically Steerable Arrays

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The increasingly complex threat environment for target detection radars has driven the system architects to the use of electricaliy steerable active aperture antenna arrays. Transmit and receive modules are key elements In any active aperture system. T/R module architecture is unique for each system application and must be designed carefully to assure performance goals as well as platform Iimitations are met. This paper will discuss T/R module architectural considerations and show specific examples of wideband and narrow band modules which have been implemented into functional arrays.

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