

“T/R Modules for spaceborne SAR applications. Evolution and trends”, pp.227-234

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Abstract – Highly integrated Transmit/Receive (T/R) modules are the key for the active electronically scanned array of advanced SAR (synthetic aperture radar) sensors. This paper comprises system and architecture aspects, critical technologies and interfaces. Hardware and performance results from several programs give an overview to the evolution of T/R modules, followed by the discussion of emerging technologies and new architectures.