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Integrated circuit - Wikipedia

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the design space. As such, repair on the main PCB board and the antenna module is easy and ... dimension since MMIC is packaged. However, this can be improved by using die instead of IC and ... The distance from the antenna to the RFIC is much shorter in the AiP approach than a conventional discrete antenna. This implies smaller path losses, so ...

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The outline of this paper is as follows. Section 2 discusses the device technology choices for 5G PAs. Sections 3 and 4 present some latest design examples of 5G PAs at 15 GHz and 28 GHz, respectively. Section 5 presents several efficiency enhancement techniques at power back-off for both cm-Wave and mm-Wave PAs, including dynamic supply modulations, all-digital architecture, and broadband ...

A Review of 5G Power Amplifier Design at cm-Wave and mm ...

6) An Analog Correlator with Dynamic Bias Control for Pulse Based UWB Receiver in 0.18 μ m CMOS Technology - IEEE RFIC - 2006 - 7) Scalable Transmission Line and Inductor Models for CMOS Millimeter-Wave Design - IEEE T-MTT - 2008 - Vol. 56, No. 12 8) A CMOS Carrier-less UWB Transceiver for WPAN Applications - IEEE ISSCC - 2006 -

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UIC - USTC

The 4 th IEEE International Conference on Integrated Circuits, Technologies and Applications (ICTA 2021, conference code:53157), will be held on November, 2021 in Zhuhai, China. This new conference will be held in China to provide an international forum according to IEEE standard for the presentation and exchange of the latest technical achievements and cross-discipline fertilization of IC ...

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