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# Fujitsu Breaks Record With 56 Gbps Wireless Transmission

WIRELESS

Seth Fitzgerald | February 3, 2016 3:14 JST



A joint effort from Fujitsu and the Tokyo Institute of Technology has resulted in a new record for wireless transmission. Researchers from those groups were able to achieve 56 Gbps transmission speeds and the technology they used could be commercialized by 2020 to improve cellular networks.

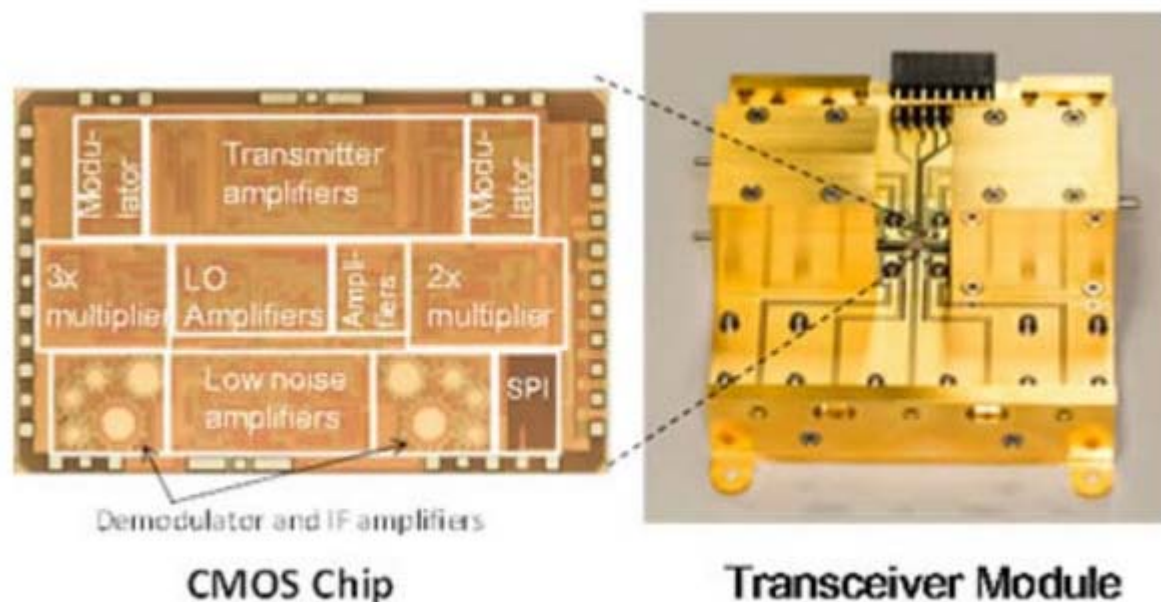



Fig.1 Transceiver CMOS chip and module.

The tests involved mmWave frequencies between 30 and 300 Ghz and testing occurred indoors over a distance of 10 cm. Even though the tests only demonstrated these speeds indoors, the technology could be paired with a high-output amplifier for outdoor use.

It has already been suggested mmWave may be used in [5G setups](#).

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