

## Sivers IMA launches new 60 GHz RFIC chip for WiGig

Sivers IMA today proudly announce the upcoming launch of a new beamforming transceiver RFIC at the Mobile World Congress in Barcelona February 27<sup>th</sup> to March 2<sup>nd</sup>. The TRX-BF01 is a WiGig/802.11ad compliant 16+16 beam forming transceiver. It is a carrier grade, high speed WiGig RFIC targeting data and telecommunication infrastructure applications for the networks solutions of today and tomorrow. TRX-BF01 can be used in high speed fixed wireless access (FWA), meshed networking and backhaul as well as fronthaul solutions. It is currently supporting the 60 GHz V-band.

The continued 10x growth in mobile data traffic until 2022\* is pushing the boundaries for new and innovative wireless solutions. WiGig, millimeter wave and beamforming will be vital technologies to support this tremendous growth.

“With this new RFIC, Sivers IMA will take a crucial step in becoming a leading supplier of millimeter wave RFICs for data and telecommunication infrastructure solutions. With the state of the art technical performance and very high level of integration, Sivers IMA offers unique value to our customers.” says Anders Storm, CEO of Sivers IMA.

TRX-BF01 has 16 Tx +16 Rx digitally controlled beamforming channels, all in one chip. It includes all building blocks in Silicon Germanium, in a small 12,5x12,5 mm eWLB capsule. The built in full PLL and VCO have excellent phase noise and hence offer best in class EVM performance and can be used with the 64 QAM single carrier modulation, compliant to the 802.11ad standard, allowing for speeds up to 7 Gbps in the air. Silicon Germanium offers state of the art performance compared to many CMOS RFICs for millimeter wave, in some cases more than 100 times higher output power per Tx channel.

Prototypes of this new chip will be available to key customers and partners during Q2 2017.

**For more information:**

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\* Ericsson Mobility report (Nov 2016)

*Sivers IMA is a leading manufacturer of micro- and millimeter wave products for connecting and quantifying a networked world. Sivers IMA has a long history and is internationally renown as a reliable supplier of high quality components used in telecommunications links, RADAR sensors and test & measurement equipment. Headquarters is located north of Stockholm in Kista, Sweden. Learn more at <http://siversima.com>.*