



Your supplier for RF/microwave components

***We are happy to announce, that we have signed an
Distributor agreement with a mmWave solution provider from
Taiwan, TMYTEK.***

TMYTEK

Established in Taiwan in 2014, TMYTEK is dedicated to solving all the mmWave challenges in the 5G/B5G era.

As a mmWave total solution provider, TMYTEK builds mmWave phased arrays for 5G and satellite markets with advanced Antenna-in-Package (AiP) technology. ORAN has listed TMYTEK as an alliance contributor. Our XBeam resolves the slow OTA testing issue in mass production lines to verify the billions of mmWave modules, smartphones, and base stations before shipping. TMYTEK also builds mmWave tools to make R&D more productive.

Fortune 500 companies and top universities have adopted our BBox (a ready-to-use beamformer) and UD Box (a wideband up/down converter) as their mmWave engineering tool kits.

About TMYTEK's product range

BBox & UD Box - R&D mmWave Beamforming tools

Beamforming is the key technology to 5G NR. TMYTEK creates the BBox™ series, the world's only development kit, that satisfies the needs of antenna and baseband algorithm developers. Antenna designers can verify their design by docking the designed antenna to BBox™. UD Box works seamlessly with most of the Sub-6 GHz instruments, including Communication Analyzer, Spectrum Analyzer, Signal Generator, and even Software Defined Radio (SDR). 5G protocol developers can verify the beam tracking algorithm and protocols by connecting BBox™ & Up / Down converter to the baseband instrument.

Market Segment - Manufacture / Tech firm R&D / Education



BBox One with 16 Channel



UD Box Up-Down Converter up to 44 GHz

*www.bq-microwave.de
Tel: +49 (0)7191 1878106
Email: info@bq-microwave.de*



Your supplier for RF/microwave components

XBeam - mmWave OTA testing solution

XBeam is an Over-The-Air (OTA) testing solution without mechanical positioners. OTA is the only way to test the mmWave AiP modules. XBeam with pure electronic beam-to-beam measurement is 20 times faster than any traditional method. It can also be integrated with handlers as automation test equipment to improve mmWave module testing efficiency and to meet the production goals at a reasonable cost.

Market Segment - Semi packaging house / Semi testing house / UE & RAN OEM

Antenna-in-Package (AiP) module / RU - ORAN

Phased array in AiP format is needed in all 5G / B5G mmWave devices and such devices can be as small as smartphones or up to the size of base stations. TMYTEK is capable of designing various types of antenna to work with beamformer chips in 28/39/60/77 GHz bands. To realize mosaic structure, it is needed to form a large array by repeating unit AiP module, integrate Up & Down conversion from IF to RF circuits into the package. ORAN opens up opportunities for the base station ecosystem. TMYTEK also integrates AiP with Low PHY in the RU module for the ORAN base station.

Market Segment - 5G RAN OEM / Satellite terminal

For more information, please visit:

[*www.bq-microwave.de*](http://www.bq-microwave.de)

www.bq-microwave.de
Tel: +49 (0)7191 1878106
Email: info@bq-microwave.de