

Product Features

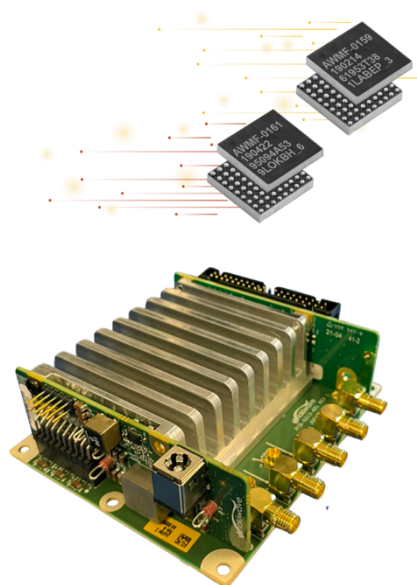
- mmW Antenna Innovator Kit for 5G-NR
- 3GPP n260 band
- Dual pol design
- mmW to IF antenna front end includes beamformer ICs and integrated IF up/down converters and port for external LO connection
- Passively cooled mechanical enclosure with a single regulated power supply with a fast SPI control interface

Hardware Included

- Phased Array Antenna
- AC/DC wall adapter
- Digital Control interface
- Interface and connector card
- Power supply interface
- Tripod with mount and adapter
- Cable set including RF, DC, and digital connections

Array ICs

- [AWMF-0159](#) n260 band Gen-3 Dual Pol Quad Core IC including patented ZERO-CAL® for calibration free arrays.
- [AWMF-0161](#) n 260 band Tx/Rx Frequency Conversion IC with fully integrated sideband and image rejection and RF Bypass mode enabling scalable antenna arrays.

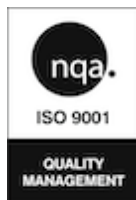


Description

The Phased Array Antenna Innovator Kit is a complete RF to IF dual pol antenna reference designs for mmW 5G radios. The kit is intended to help 5G equipment manufacturers evaluate the array level performance of Anokiwave ICs, develop new mmW 5G NR radio front ends, and introduce their arrays into the market quickly.

The kits are designed using Anokiwave's Generation 3 Beamformer and IF Up/downconverters that provide industry leading array level performance. As a baseline, the kit is designed to offer high linear EIRP at wide 3GPP bandwidths. The design can be easily customized to meet equipment manufacturer's specific 5G radio requirements.

The Phased Array Antenna Innovator Kit simplifies the overall radio development by providing a baseline design enabling a quick launch of new 5G products.



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