sivers SEMICONDUCTORS

Reduce time to market – speed up your mmWave product design using the Evaluation Kit

EVK03001 is designed to help you validate the RF part of your licensed 5G mmWave system. It is easy to 'Plug and Play' with a minimum of configuration activities and is easily controlled through standardized interfaces. Configuration support and user guidelines are included.

FWA 5G MMWAVE BACKHAUL V2X

KEY FEATURES

- Frequency Range: 37.0 GHz - 43.5 GHz
- Support for dual polarized TX and RX data streams
- Analog Zero IF or IF signals connectors
- Includes BFM03901 RF Module, Motherboard and Graphical User Interface (GUI)
- Beam steering with Integrated TR and RX patch array antennas
- TX and RX beambooks for beam settings
- Integrated synthesizer with support for up to 256 QAM modulation
- TX and RX LO frequency control
- External reference clock connector for sync of more than one EVK
- Additional SPI, GPIO, TX/RX switch connectors for control of the RFM from external controller
- SMP baseband connectors, for easy connection to external equipment
- Python SW package

Included in the EVK03001 package:

1. RF Module and motherboard attached to a mechanical support tower

2. 5V, 8A power supply adaptor (AC input 100-250V)

3. USB-A to micro-B USB cable

4. Python SW package, including USB/FTDI driver and GUI software for controlling the EVK (provided via SFTP)

5. User manual (provided via SFTP)

6. 8 SMA male to SMP female cables, 25 cm long. SMA to SMA extension might be needed.

For more information please contact:
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