ERICSSON

Operational Description

Model No. KRC 161 393/2.

Rev PA1

Summary Operation - EPIC Module , Model: KRC 161 393/2

The Epic KRC 161 393/2 module is self-contained 802.11n dual-band WIFI Access Point module which may be added as an option to the RBS6000 Pico cell or other Ericsson products. It operates concurrently in both the 2.4GHz and 5GHz bands . The module has an Ethernet interface and all TX power levels , and modulation modes are under SW control. The module is fully shielded, has its own on board power regulation and built in integrated antenna assembly. Below is a summary of the key frequency ranges, modulation modes, and MIMIO capabilities

Modulation types

2400-2483.5MHz 20/40 MHz OFDM and 20 MHz DSSS / CCK modulation. IEEE 802.11 b/g/n mode

5150–5850MHz 20/40 MHz OFDM modulation. IEEE 802.11 a/n mode

Antenna Configuration

The 2.4G antenna has two cross polarized antenna and one vertically polarized antenna. This provides an antenna gain of 7.7 dBi, and a MIMO gain of 3 dB. The 5 GHz antenna is fully cross polarized with a 7.2 dBi antenna gain, and no MIMO gain.

MIMO Operational Modes

Tx Beamforming (TxBF)

Spatial Multiplexing (SM)

Diversity Coding (STBC)

Cyclic Delay Diversity (CDD)