Terrestrial Trunked Radio

Advantages of TETRA Technology

- Fast call setup time
- Group call and individual calls
- Direct mode communication between radio
- High spectral efficiency
- Networks separate from public mobile networks
- Reliability for base stations

Modulation

- Format: 4/16 DQPSK (different quadrature phase shift keying, shifted by 45°)
- Phase change determines the information transferred

TECS (TECS-TERA Release 2)

- Extended air interface specification for higher data rates on traffic channels

General Technical Data

- Channel bandwidth: 25 kHz
- Access technology: TDMA
- Time slots: 8 slots per call (8 MHz)
- Power classes: 1L (25 W), 2L (5.6 W)

TEDS

- TEDS-TERA Release 2
- Extended air interface specification for higher data rates on traffic channels

Power Levels, Power Control

- Power class: Max. power level

Measurements & Limits

- Burst power versus time
- Frequency error limits for TETRA mobile stations
- Residual carrier power
- Vector error
- Receiver measurements