

**DIGITAL
& COMMUNICATION
TECHNOLOGY**

RF2350 EPM MOBILE TRANSCEIVER



MESIT
defence

- **Voice & data encryption**
- **Frequency hopping**
- **TRANSEC/COMSEC with 384 bits key**
- **IP data**
- **GPS position reporting system**
- **Short text messages service (SMS)**
- **Repeater supported**
- **VoIP telephony supported**
- **Co-Site filter**

RF2350 mobile multiband transceiver with increased resistance against radio-electronic warfare intended for installation in all tracked and wheeled vehicles and base stations is part of the RF20 tactical radios family. The radio communicates in several analog and digital waveforms, including frequency hopping. Secure voice and data communication is encrypted with AES algorithm with effective key length of 384 bits. AM modulation allows for direct communication with aircraft radios. Data communication complies with MIL-STD-188-220, providing IP data capability in MANET network structure. Position Location Information (PLI), automatically collected from the built-in G-Track position reporting system, can be easily transferred to BMS or other C2/C4 application.

Very compact form factor and lightweight design allows for easy upgrading of existing vehicle/base installations.

Technical parameters

Frequency range 25 to 146 MHz
 Modulation type FM, AM
 Channel spacing 25 / 12.5 / 8.33 / 6.25 kHz

Transmission power:

FM 5 / 50 W
 AM 2 / 15 W

Supply voltage range 10 to 33 V (acc. to MIL-STD-1275B)

Data capabilities:

MANET acc. MIL-STD-188-220
 6 hops auto-relay
 SLIP / PPP
 P2P 2.4 - 7.1 kbit/s
 Synchronous data 16 kbit/s

Environmental parameters and dimensions:

Temperature range -40 to +70 °C
 Environmental specification according to MIL-STD-810E
 EMC according to MIL-STD-461E

Dimensions 202 x 210 x 186 mm [w x h x d]
 Weight max. 9 kg

