

# AT RF2350 EPM MultiBand Mobile Transceiver

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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.

- ✓ 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

Technical parameters	
Frequency range	25 to 146 MHz
HF	25.000 MHz to 29.975 MHz
VHF I	30.000 MHz to 108.000 MHz
VHF II	117.975 MHz to 140.000 MHz
VHF III	140.0250 MHz to 145.9875 MHz
Modulation type	FM, AM
Channel spacing	25 / 12.5 / 8.33 / 6.25 kHz
<b>Transmission power:</b>	

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:**

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Temperature range	-30 to +60 °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

**AT RF2350 - EPM MultiBand Mobile Transceiver - UHF - Encryption - Frequency Hopping**