

DICOM® RF2350

EPM mobile transceiver

- Voice & data encryption
- Frequency hopping
- AES based TRANSEC/COMSEC
- IP data
- GPS position reporting system (PLI)
- Short text messages service (SMS)
- Repeater supported
- Co-Site filter



MESIT
defence

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 V to 33 V (acc. to MIL-STD-1275B)	
Current consumption:	Transmission - nominal output power	at 12 V	max. 25 A
		at 24 V	max. 12 A
		Reception	max. 1.25 A (12 V)
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	

