

## 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



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.

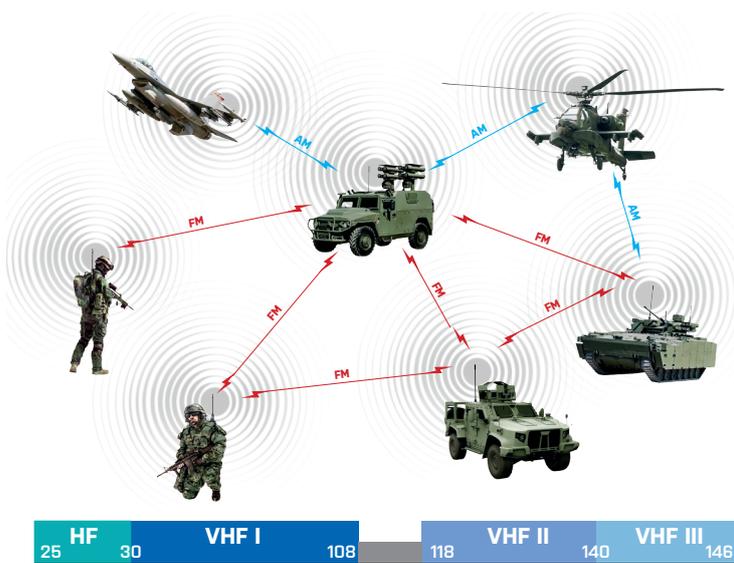
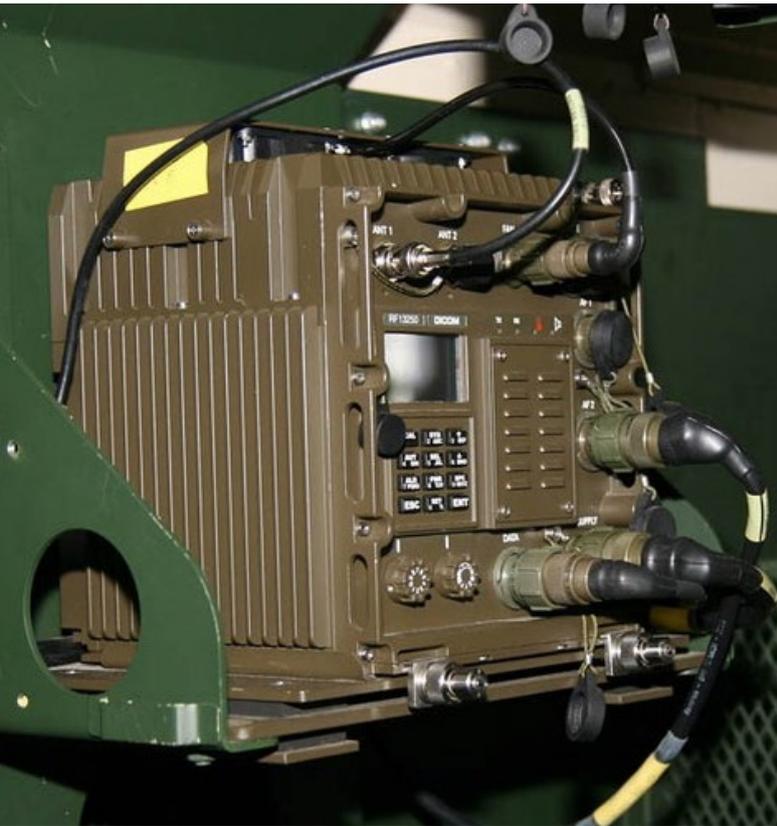
The radio communicates in several analog and digital waveforms, including frequency hopping. Secure voice and data communication is encrypted with AES algorithm with effective key length of 384 bits. AM modulation allows for direct communication with aircraft radios. Data communication complies with 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	
<b>Environmental parameters and dimensions:</b>			
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		



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