

DICOM® RF23 EPM handheld radio

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



mesit

MESIT
defence



RF23 handheld multiband transceiver with increased resistance against radio-electronic warfare intended for squad/team, platoon and company operation 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.

Compact dimensions, straightforward design and simple interface allows for easy operation in the most demanding battlefield conditions.

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	0.2/2/5 W
	AM	0.1/1 W
Battery life (1 : 1 : 10):	LP1302	14 hours
	LP20	26 hours
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	
Immersion	1 m	
Environmental specification	according to MIL-STD-810E	
EMC	according to MIL-STD-461E	
Dimensions*	90.8 x 189.7 x 41.4 mm [w x h x d]	
Weight	max. 1.35 kg	

*including LP1302 battery pack, without GPS antenna

