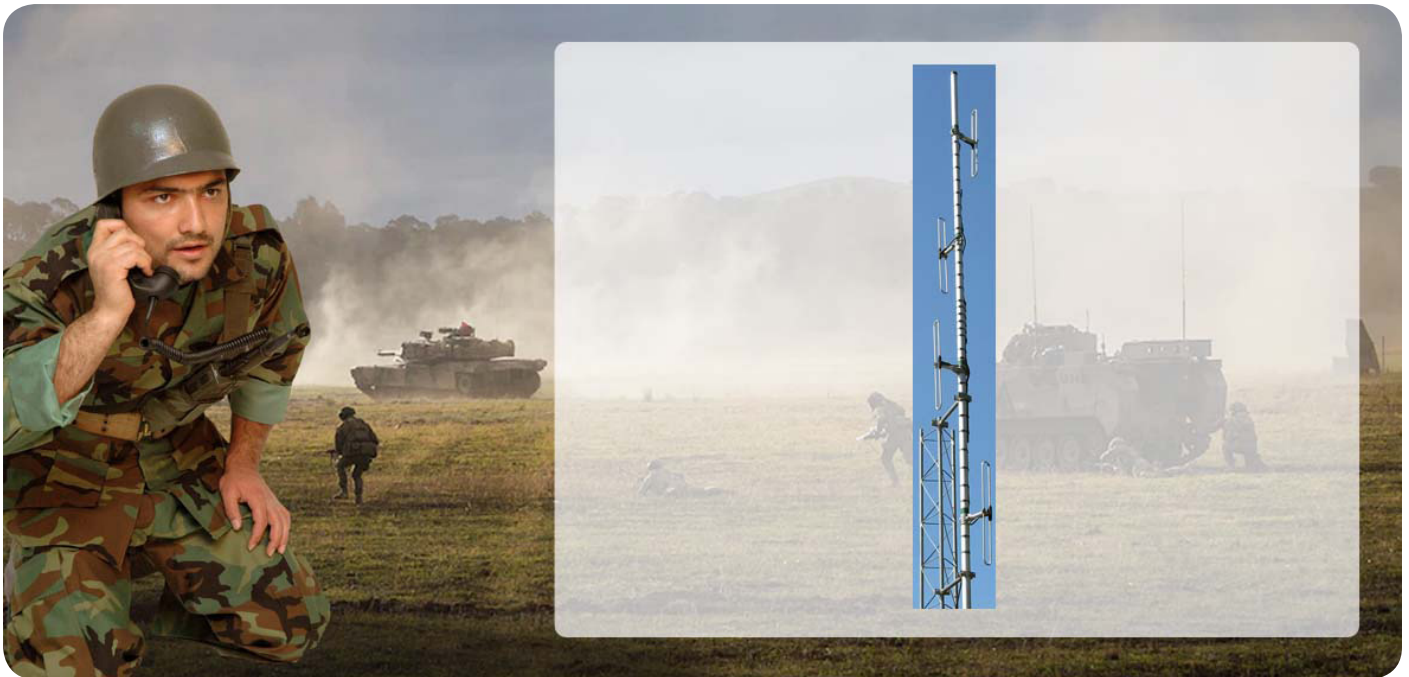




FXA-210/E

Fixed Dipole Array Antenna

FXA-210/E has been designed and manufactured for establishing VHF radio communication in frequency range of 138 ~ 174 MHz (in three bands with Intermediate Frequency of 144, 153, and 165 MHz). Due to wide bandwidth of the antenna (12MHz), it can be operated for various communication goals specially the environment, forestry, fire station, police, and military forces. This antenna consists of four dipoles installed on the antenna body with the same distances.

Technical Specifications



Frequency range.....	138 ~ 174 MHz
Wide bandwidth (in three different models).....	12MHz
Impedance.....	50Ω
VSWR.....	less than 1.5
Omni-directional gain.....	6dBi
Directional gain.....	9dBi
Input power.....	500W
Polarization.....	vertical
Vertical radiation width.....	17°
Horizontal radiation width.....	about 160°
Antenna material.....	aluminum alloy
Tolerable wind speed.....	up to 120km/h
Weight.....	9.17kg
Connector type.....	N type
Antenna length.....	6.5m
F/B.....	7dB
Operating temperature.....	-33°C ~ +65°C
Storage temperature.....	-40°C ~ +70°C
Environmental standard.....	MIL-STD-810F