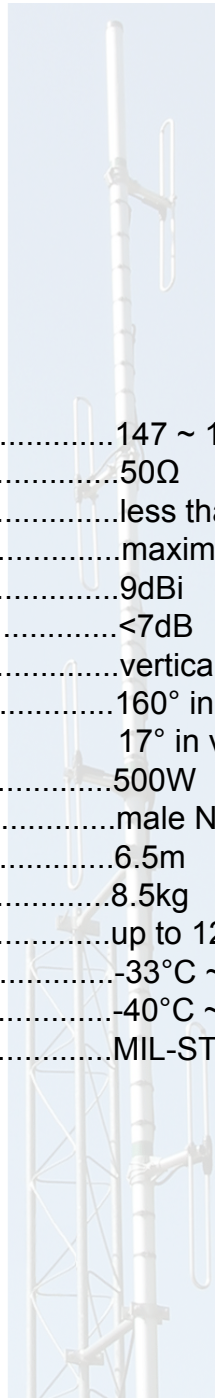




FXA-211/E

Fixed Dipole Array Antenna

This antenna has been designed and manufactured for establishing VHF radio communication. It consists of four dipoles coupled together as array with 0, 90, 180, and 270 angles to provide Omni-directional radiation pattern with proper gain using their reflectors. By arranging all four dipoles toward one of the mentioned angles, directional radiation is received from the same direction with higher gain.



Technical Specifications

Frequency range.....	147 ~ 159 MHz
Impedance.....	50Ω
VSWR.....	less than 1.5
Omni-directional gain.....	maximum 6dBi
Directional gain.....	9dBi
F/B.....	<7dB
Polarization.....	vertical
Directional radiation width.....	160° in horizontal (H) sheet 17° in vertical (E) sheet
Maximum input power.....	500W
Connector type.....	male N
Antenna length.....	6.5m
Antenna weight.....	8.5kg
Tolerable wind speed.....	up to 120km/h
Operating temperature.....	-33°C ~ +65°C
Storage temperature.....	-40°C ~ +71°C
Environmental standard.....	MIL-STD-810F