

FM Vertical Dipole with reflector

UF 604.70

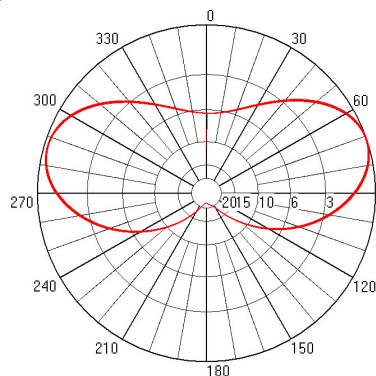
Electrical properties	
Frequency range	87.5 - 108 MHz
VSWR	<1.2 in channel +/- 4 MHz complete phased system
Gain Circular pol. / Vert. pol. / Hor. pol.	3.9 / 3.9 / -1.3 dBi
Impedance	50 Ω
Polarization	circular
Max. power / connector	5 kW / EIA 7/8"
Horizontal diagram 3 dB beam width - Circ.	two lobes 64° wide (-103° to -60° and 60° to 103°)
Vertical diagram 3 dB beam width - Circ.	16°

Mechanical properties	
dipole and reflector material	stainless steel
dimensions - width/height	1700 /2400 mm
weight	76 kg
Winload	1.2 m2
Max.Wind velocity	220 km/h

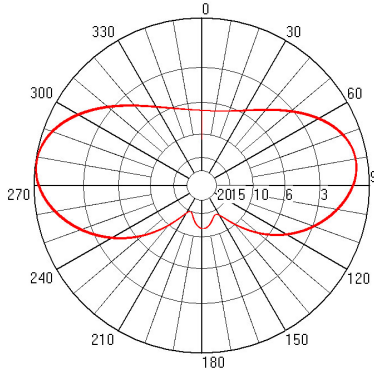


Horizontal diagram

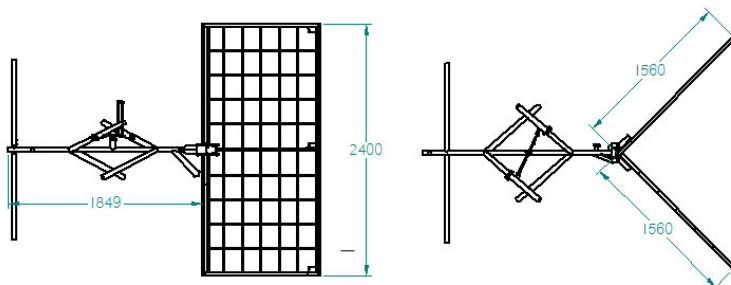
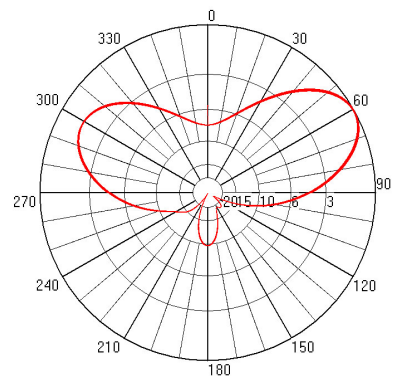
circular pol.
Gain 3.9



vertical pol.
Gain 3.9

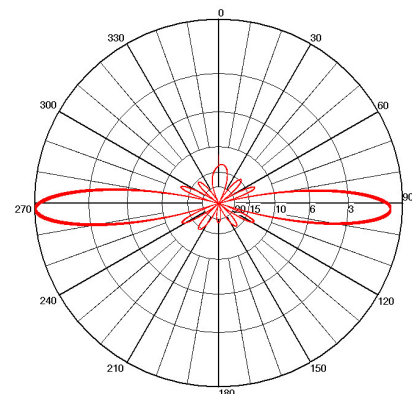


horizontal pol.
Gain -1.3



Vertical diagram

4 antenna phased array
Gain 11dBi , downtilt 2.5°



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