



FM Antenna



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FM Antenna Details

Manufacturer.....	Kathrein/Scala
Model.....	FMO Series
Frequency range.....	88–108 MHz (broadband)
Gain:	
FMO (One bay).....	-3 dBd
FMO-2 (Two bays).....	0 dBd ($\lambda/2$ spacing)
Impedance.....	50 or 75 ohms
VSWR.....	<1.5:1
Polarization.....	Horizontal
Input power (per bay):	
50 Ω model.....	500 watts
Beam width.....	Omnidirectional (360°)
Connector.....	N female
Weight (approx.):	
FMO (One bay).....	10 lb (4.5 kg)
FMO-2 (Two bays).....	28.5 lb (12.9 kg)
Height:	
FMO (One bay).....	1.5 ft (0.46 m)
FMO-2 (Two bays).....	6.5 ft (1.98 m)
Equivalent flat plate area.....	1.09 ft ² (0.101 m ²) per bay
Wind survival rating.....	120 mph (200 kph)

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FORT BRAGG PROPERTY

Overhills Acquisition
U.S. Army Corps of Engineers
PB. 93 Pg. 126

Antenna Field

Proposed antenna field location for mobile broadcast system testing and training. Broadcast transmitter will be housed in vehicles and/or military provided tents.

