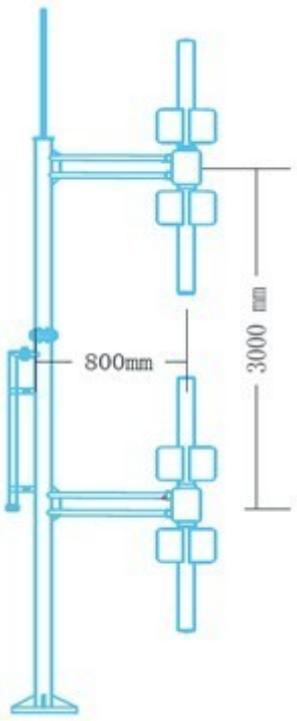


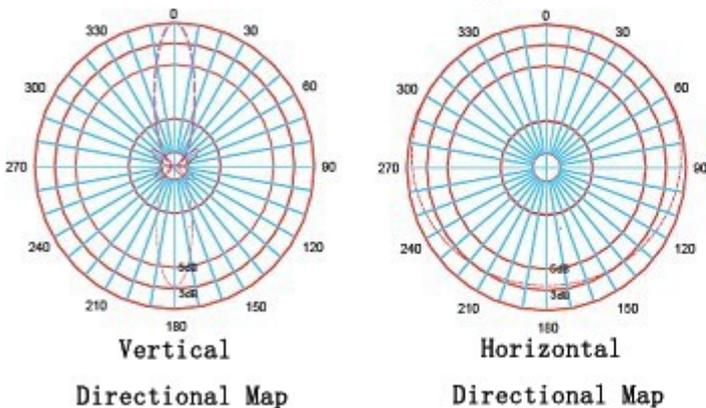
## High gain narrowband FM dipole antenna



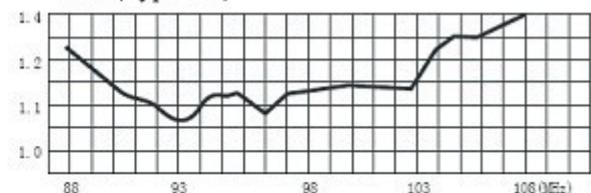
- Frequency range 87.0–108MHz.
- Gain 6.3dBd (Copper Vibrator).
- Vertical polarization high power antenna.
- Omni-directional radiation; it can be made up linear antenna array.
- Copper, 304 stainless steel material.
- High-strength and anti-oxidant epoxy FRP protection hood.
- To conduct zero point padding and lobe downwardness according to requirements.
- Internal power splitter design with high reliability.

Electrical Specification		Mechanical Specification	
Frequency range	87.0-108MHz	Size (mm)	5000x1100x300
Input impedance	50Ω	Weight	48Kg (Antenna) 68Kg (Including fixture)
Input interface	IF45/IF70/IF110	Wind load	4010N (Wind velocity 150Km/h)
Rated average power capacity	1KW/3KW/5KW/10KW	Safety factor	2 (wind velocity 225Km/h)
VSWR (Designated frequency)	<1.08	Material	Hard-fed: 304 stainless steel
Polarization ways	Vertical		Oscillator: copper, 304 stainless steel
Gain (copper oscillator)	6.3dBd		Inner conductor: Copper (coating silver)
Half power beam width	Vertical ±9 Horizontal ±150		Protection Cover: FRP of epoxy resin
Lightning protection	DC Ground	Installation mode	Independence/hung in side

**Directional Map**



**VSWR(Typical)**



**Gain dB**

