

26-28MHz Ground Plane Antenna

1. Model USA-GPV-27 is half-wave, ground plane antenna. It shows extremely high transmitting gain of more than 6 dB comparing with the quarter-wave antenna.
2. Radiation angle is lowered for long distance communication, by the addition of 3 radials. Installation requires very narrow space.
3. Lightning protection is provided. Please carefully read followings for communication.

Assembling

1. The drawings show complete assembling.
2. First, please assemble radials. Then, joint radiator pipes, with screws.
3. Finally, fix the mounting bracket to the pole by U-shape bolt.

Remarks

1. Power feeding part should be completely water proofed by melting tapes.
2. Coaxial cable should be fastened to the pole firmly by melting tapes.
3. Adjustment can be done by cutting the top of radiator (For the use of 28MHz, please cut top element about 500

Specification

Frequency	26-28 MHz
Impedance	50 ohm
Wave Ratio	1/2
VSWR	Less than 1.5
Gain	6 dB
Polarization	Vertical
Connector	SO 239
Weight	2.0kg
Length	5.3 M

Parts List

Radiator Pipe with bracket	
Radiator Pipes	
U-Bolt	
Top Cap	
Nut	6 (S)
Washer	3 (S)
Tapping Screw	
Radials	
(Streight or Spiral)	

