

## 26 GHz (24.25 - 26.50) HIGH-PERFORMANCE MICROWAVE ANTENNAS

### FEATURES

- **Antenna diameters;**
  - 1' (30 cm)
  - 1.5' (45 cm)
  - 2' (60 cm)
  - 3' (90 cm)
- **Antenna weights**
  - 1' 17 lbs. (7.7 kg)
  - 1.5' 19 lbs. (8.6 kg)
  - 2' 27 lbs. (12.2 kg)
  - 3' 50 lbs. (22.5 kg)
- **HP models:** high-performance, plain polarized
- **HPD models:** dual polarized
- **IEC or EIA flanges available**
- **Direct mounting** for RF units available
- **Ease of installation:** antennas shipped completely assembled, minimal mount required
- **Planar radomes** standard with high-performance model
- **Rugged and lightweight** cast aluminum mount with fine adjustment for both azimuth and elevation
- **Compact size,** due to Radio Waves innovative feed design
- **Standard white;** other colors and/or logos available on request
- **Corrosive resistant:** coated aluminum, hot dipped galvanized steel and stainless steel
- **Three year warranty**



### 24.25 - 26.50 GHz ELECTRICAL SPECIFICATIONS (typical performance)\*

| Model Number    | Diameter<br>ft (cm) | Gain, dBi |      |      | Beamwidth<br>Degrees, 3dB | X Pol.<br>Disc., dB | F/B<br>Ratio, dB | VSWR Max.<br>(R.L., dB) |
|-----------------|---------------------|-----------|------|------|---------------------------|---------------------|------------------|-------------------------|
|                 |                     | Low       | Mid  | High |                           |                     |                  |                         |
| Plane Polarized |                     |           |      |      |                           |                     |                  |                         |
| HPLP1-26        | 1 (30)              | 35.7      | 36.1 | 36.5 | 2.6                       | 30                  | 55               | 1.4:1 (15.5)            |
| HPLP1.5-26      | 1.5 (45)            | 38.2      | 38.6 | 39.0 | 2.0                       | 30                  | 55               | 1.4:1 (15.5)            |
| HP2-26          | 2 (60)              | 40.7      | 41.1 | 41.5 | 1.4                       | 30                  | 69               | 1.4:1 (15.5)            |
| HP3-26          | 3 (90)              | 44.2      | 44.6 | 45.0 | 1.0                       | 30                  | 72               | 1.4:1 (15.5)            |
| Dual Polarized  |                     |           |      |      |                           |                     |                  |                         |
| HPLPD1-26       | 1 (30)              | 35.5      | 35.9 | 36.3 | 2.6                       | 30                  | 55               | 1.4:1 (15.5)            |
| HPLPD1.5-26     | 1.5 (45)            | 38.0      | 38.4 | 38.8 | 2.0                       | 30                  | 55               | 1.4:1 (15.5)            |
| HPD2-26         | 2 (60)              | 40.5      | 40.9 | 41.3 | 1.4                       | 30                  | 69               | 1.4:1 (15.5)            |
| HPD3-26         | 3 (90)              | 44.0      | 44.4 | 44.8 | 1.0                       | 30                  | 72               | 1.4:1 (15.5)            |

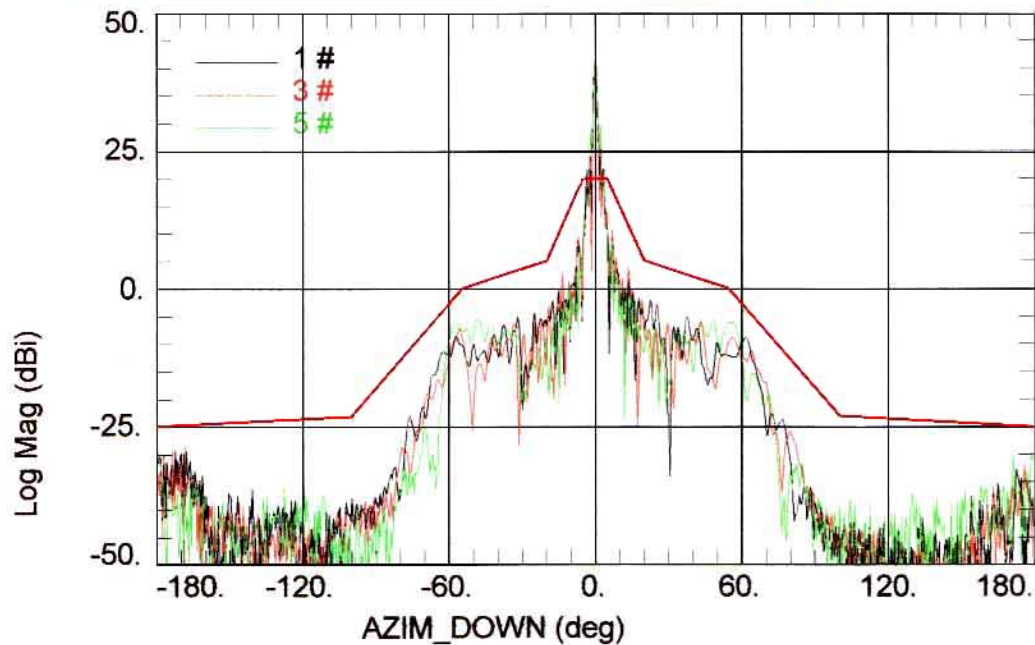
\* All specifications subject to change without notice.

For regulatory compliances, contact Radio Waves.

Red=ETS 300 833  
RPE for Class 2  
Frequency Range 4

HP2-26 S/N 001 20.10.99  
22vv180.REP  
A: VV (i)  
FREQ LIST INDEX = 1 #

e833r4c2.REP  
B: OVERLAY  
FREQUENCY LIST = 0 #



HP2-26 S/N 001 22.10.99  
22hh180.REP  
A: HH (i)  
FREQ LIST INDEX = 1 #

e833r4c2.REP  
B: OVERLAY  
FREQUENCY LIST = 0 #

