

2.4 GHz Grid Antenna



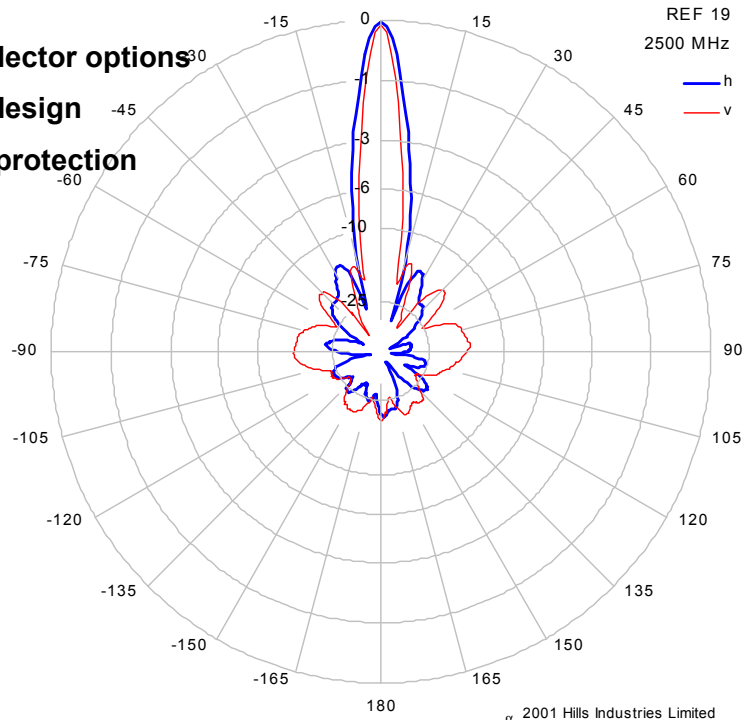
Features

- 15, 19 and 25 dBi reflector options
- Robust engineered design
- Excellent corrosion protection
- Fully sealed dipole
- High directivity
- Low wind loadings
- Easy installation

Hills ISM Passive Antenna incorporates a rugged powder coated parabolic wire grid reflector, coupled with a PCB dipole assembly that is ultrasonically sealed within a UV stabilised ABS housing.

Mounting hardware is heavy gauge galvanised steel.

Each kit comes complete with comprehensive assembly instructions.



Specifications

	REF 15	REF 19	REF 25
Frequency standard product range	2.4 to 2.5 GHz other frequency ranges are available		
Polarization	Linear; vertical or horizontal selectable at mounting bracket		
Gain	18.8 dBi	22.5 dBi	25.8 dBi
Return loss minimum	15 dB (VSWR 1.4:1)		
Horizontal Beamwidth	21.4°	15.7°	10.0°
Vertical Beamwidth	18.9°	11.0°	8.2°
Cross polarisation	-23 dB	-28 dB	-34 dB
Maximum power input	10 watts		
Front to Back Ratio	14 dB	20 dB	25 dB
Termination	600mm down lead Type N female or male connector		
Characteristic impedance	50 ohms		
Reflector physical dimensions	360mm x 300mm	610mm x 430mm	870mm x 720mm
Mechanical tilt	40°	40°	10°
Mounting pole diameter	25 – 54mm		
Wind area including drag coefficient	0.069 m ²	0.087 m ²	0.144 m ²
Wind loading 50m/s @ mount height 40m	0.16kN	0.21kN	0.36kN
Shipping weight	2.1kg	2.6kg	5.1kg

HILLS INDUSTRIES LIMITED ABN 35007 573 417 ANTENNA & TV SYSTEMS

New South Wales	Victoria / Tasmania	Queensland	South Australia / Northern Territory	Western Australia	Export Sales
12 Wiggs Road Riverwood 2210 Ph: (02) 9717 5290 Fax: (02) 9717 5298	Cnr Cambria & Bridge Rd Keysborough 3173 Ph: (03) 9238 2533 Fax: (03) 9238 2535	69 Activity Street Acacia Ridge 4110 Ph: (07) 3344 3855 Fax: (07) 3344 4866	20 Raglan Avenue Edwardstown 5039 Ph: (08) 8371 0277 Fax: (08) 83711519	448 Victoria Road Malaga 6090 Ph (08) 9209 7000 Fax: (08) 9209 7044	20 Raglan Avenue Edwardstown 5039 Ph:+618 8371 3663 Fax:+618 8371 1519