



## 2.4 GHz Grid Antennas

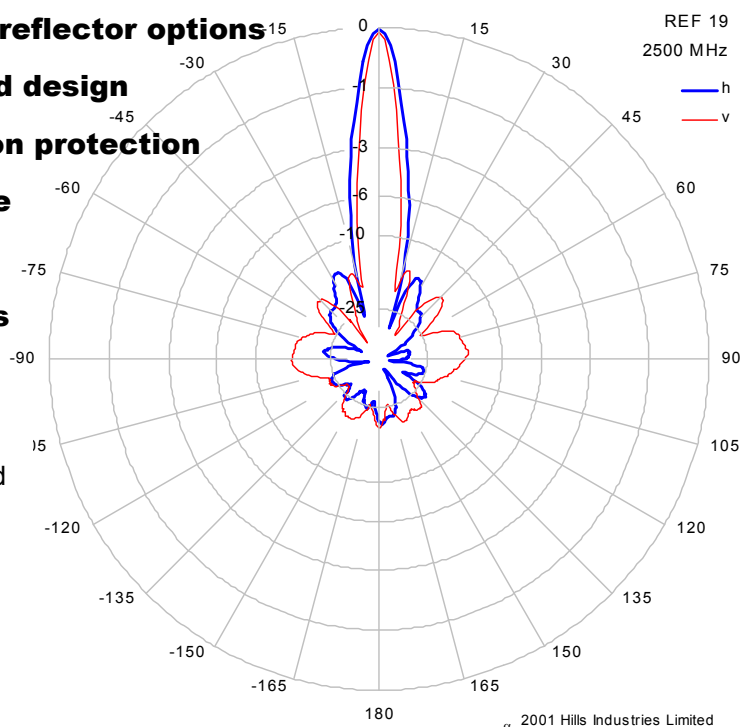
### Features

- **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 <sup>2</sup>	0.087 m <sup>2</sup>	0.144 m <sup>2</sup>
Wind loading 50m/s @ mount height 40m	0.16kN	0.21kN	0.36kN
Shipping weight	2.1kg	2.6kg	5.1kg

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