

## Standard Gain Horn Antenna

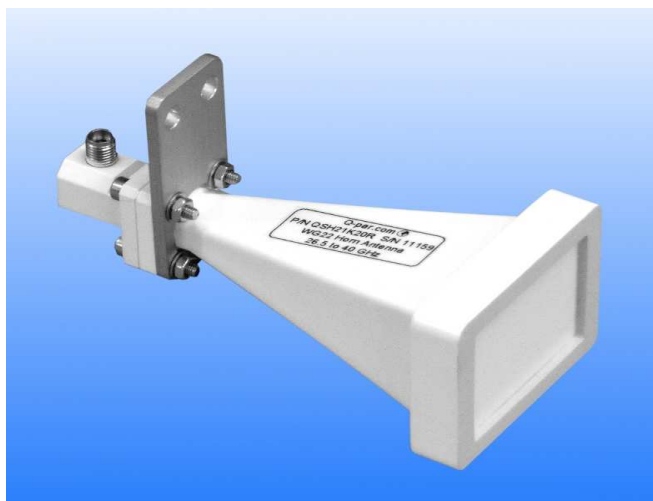
**22 to 33 GHz**

**WG21 WR34 R260**

Catalogue number: **QSH-SL-22-33-K-20-R**

Q-par reference: **QMS-00073**

Contents: **Typical Gain / Antenna Factor  
Typical Beamwidths  
VSWR**



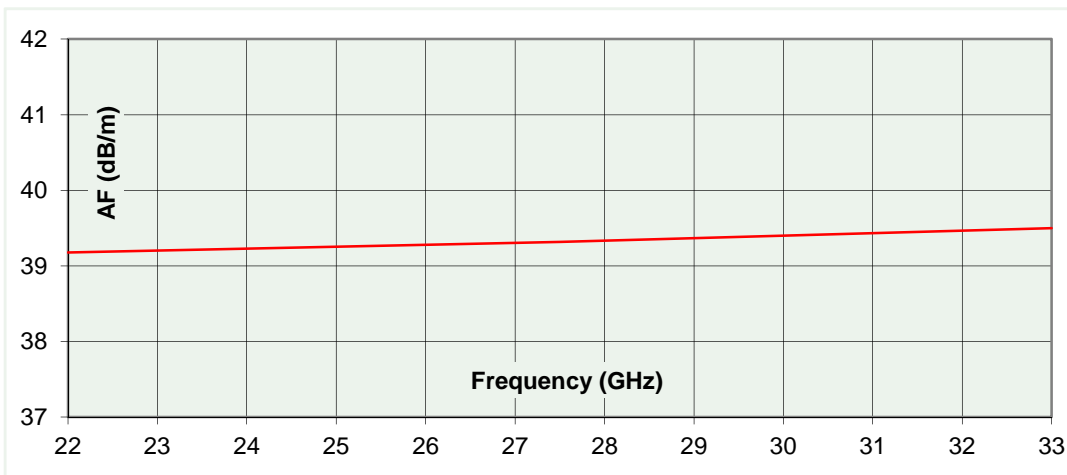
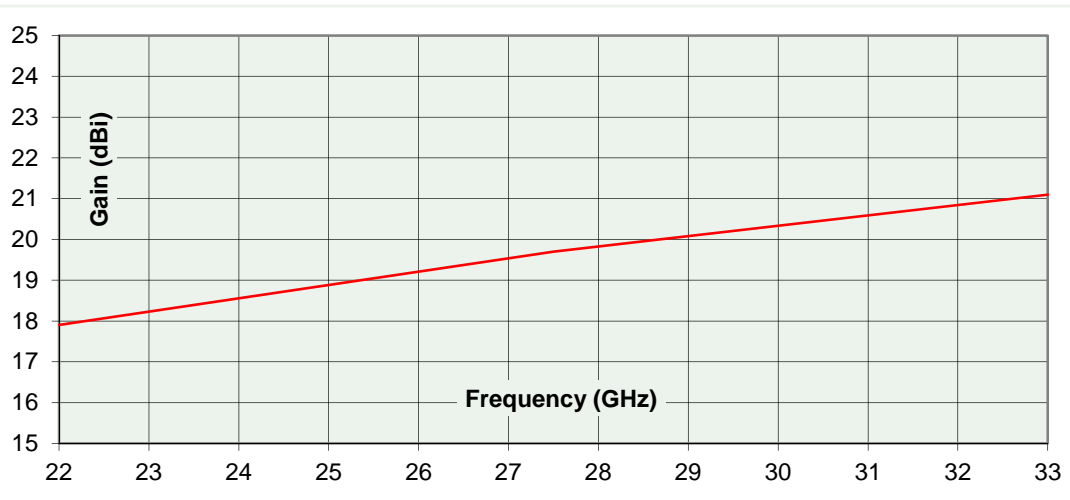
Test Report

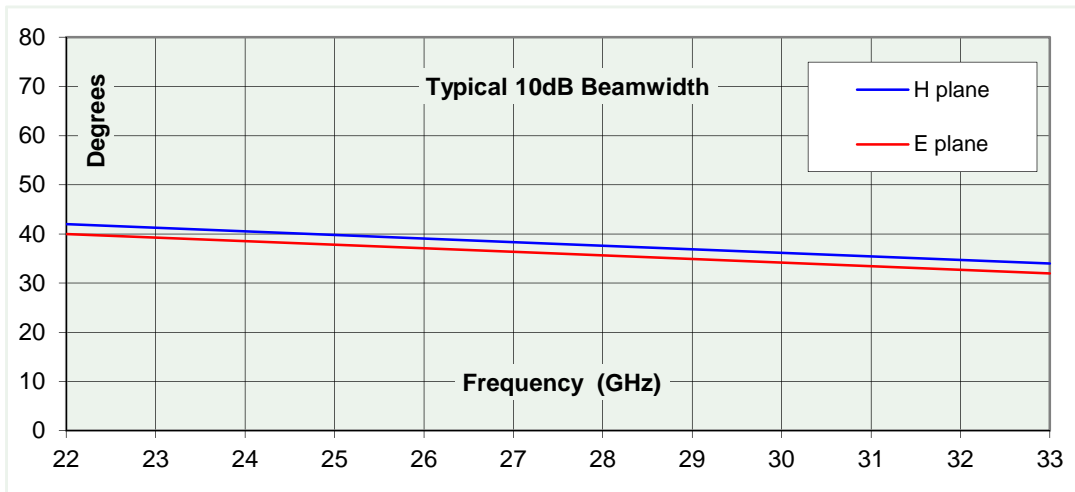
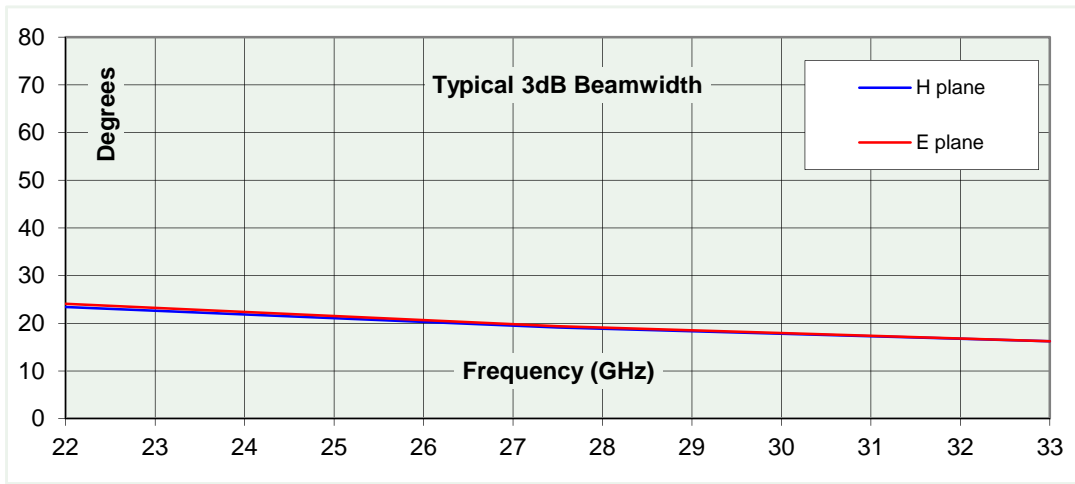
## Typical Specification

Frequency	22 to 33 GHz
Connector type	K type jack
Power Handling	40 Watt c.w.
VSWR	Typically < 1.4:1
Gain	17.9 to 21.1 dBi
Antenna Factor	39.2 to 39.5 dB/m
3dB Beamwidth	16.2 to 24.1 degrees
10dB Beamwidth	32 to 42 degrees
Weight	158 g nominal
Size- max.	53 mm x 40 mm external aperture x 108 mm long
Mounting	Mounting Plate. Two holes 5 mm diameter on 12.5 mm centres.
Construction	Electroformed copper, anodised aluminium mounting plate, radome of engineering plastics.

## Typical Antenna Gain / Factor

This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.





\* Red trace = E-plane, Black trace = H-plane cut