

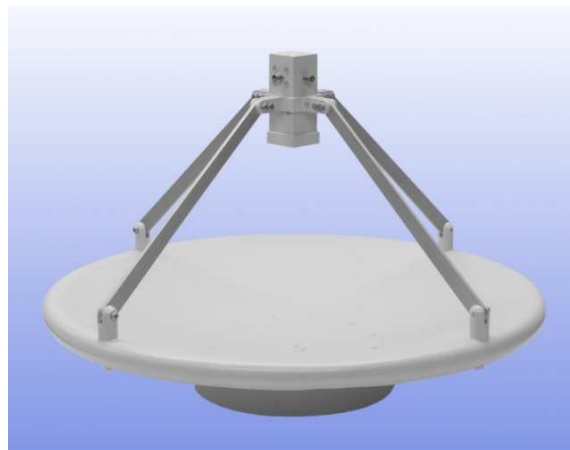


## 0.34 m Aluminium Reflector & 18 - 40 GHz Dual Polar Wideband Feed fitted with K type Connectors and a Radome

Catalogue number **QSR-340-A-152 & QWF-DL-18-40-K-R**

Q-par reference **QMS-00312**

Contents **Summary**  
**Typical Gain**  
**Typical Beamwidth / Patterns**  
**VSWR**  
**Isolation** - *between connectors*



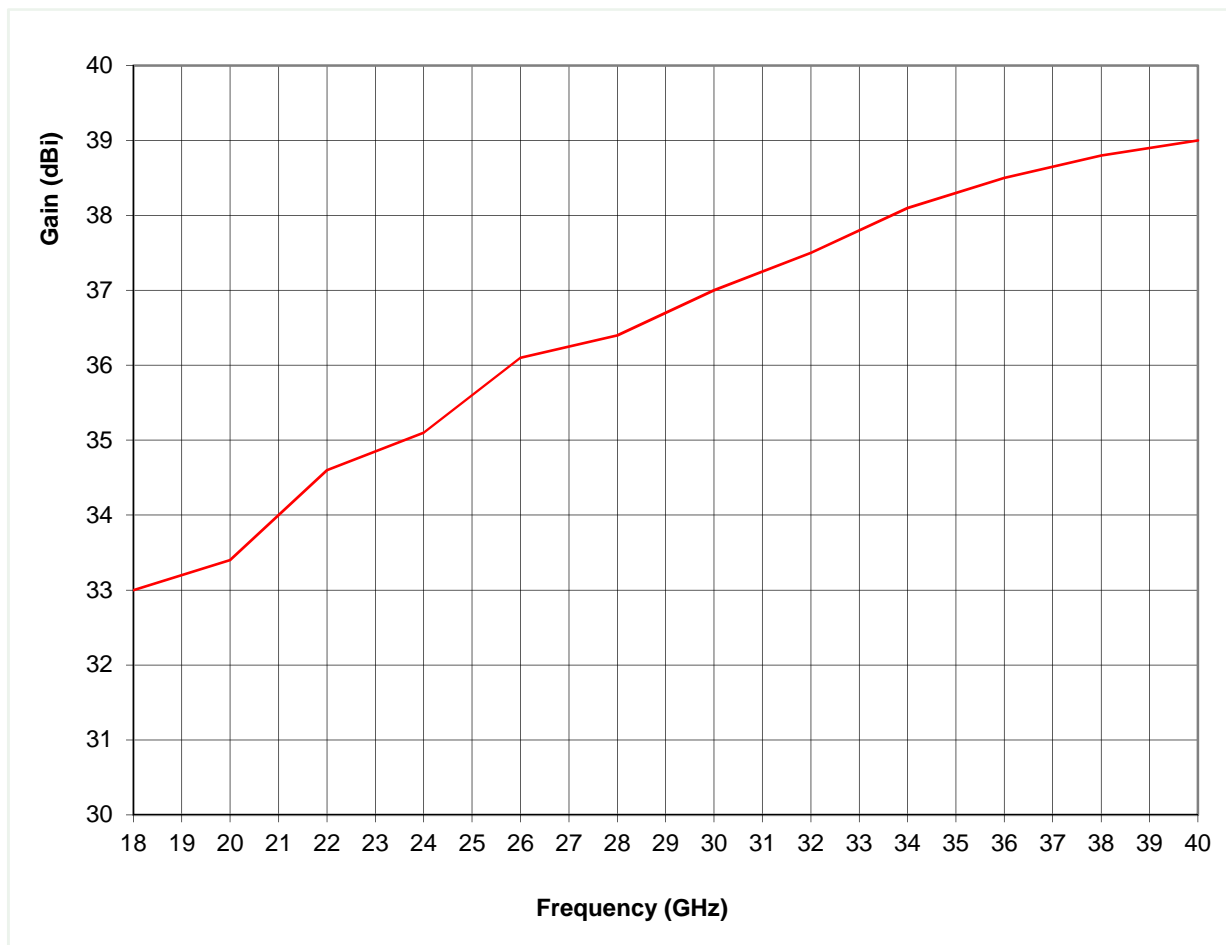
Typical photograph. Finish according to customer specifications.

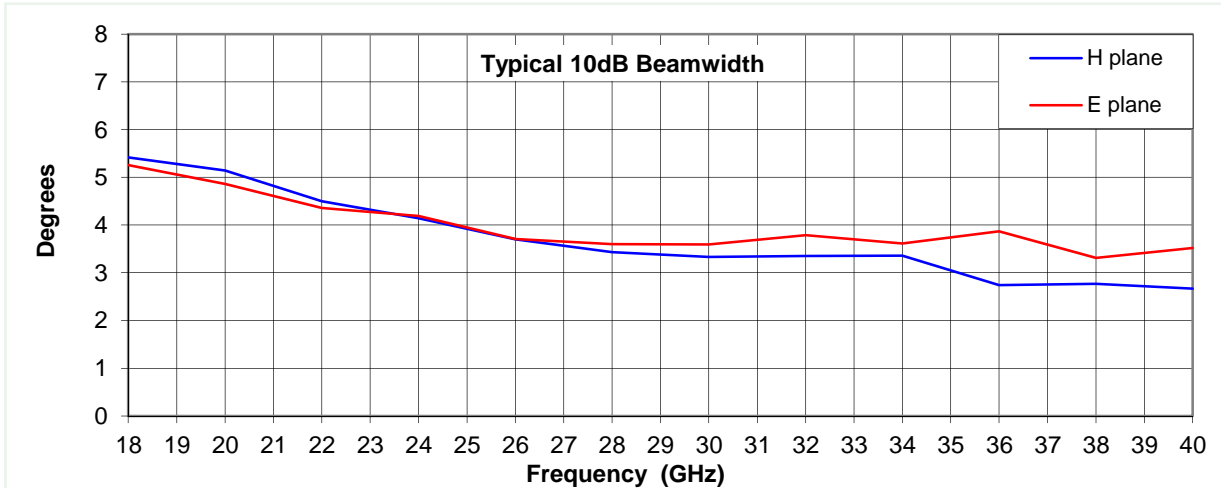
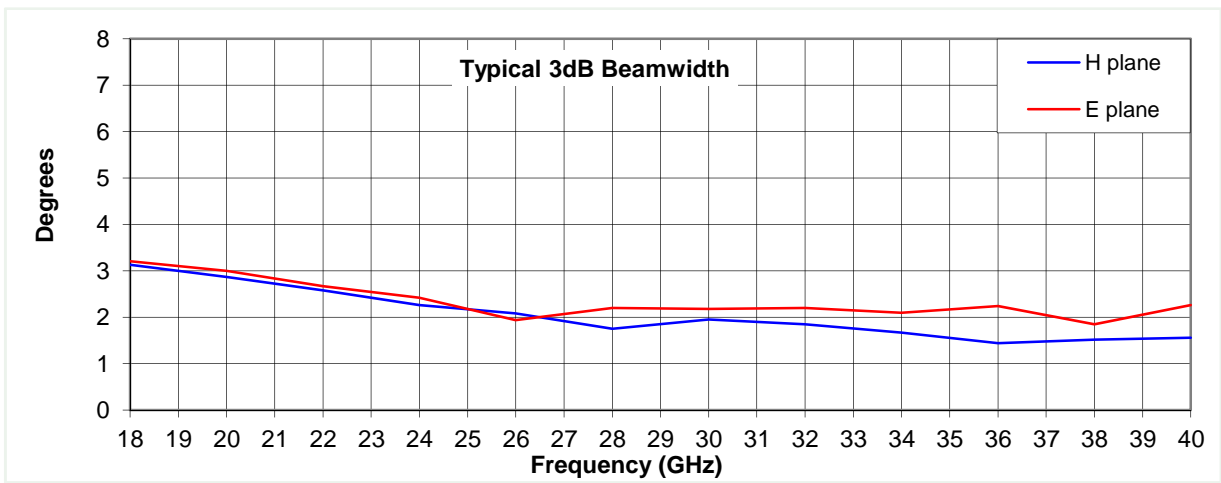
## Typical Specification

|                       |   |
|-----------------------|---|
| <b>Frequency</b>      | 18 to 40 GHz  |
| <b>Connector Type</b> | 2 x K type (2.9mm) jack   |
| <b>Power Handling</b> | 20 Watt c.w.  |
| <b>VSWR</b>           | Typically < 2.4:1   |
| <b>Gain</b>           | 33 to 39 dBi  |
| <b>Isolation</b>      | > 25 dB (between connectors)  |
| <b>3dB Beamwidth</b>  | 1 to 3 degrees  |
| <b>10dB Beamwidth</b> | 3 to 5 degrees  |
| <b>Weight</b>         | 2.2 kg nominal  |
| <b>Maximum Size</b>   | Reflector diameter 370 mm maximum   |
| <b>Mounting</b>       | 8 holes, tapped M6, 125 mm pitch circle diameter  |
| <b>Construction</b>   | Spun aluminium reflector, powdercoat finish. Anodised aluminium legs. Composite aluminium / plastic radome feed, painted. |

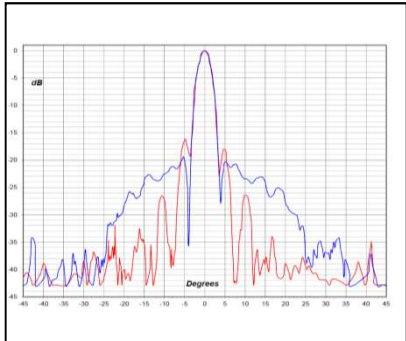
## Typical Antenna Gain

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.

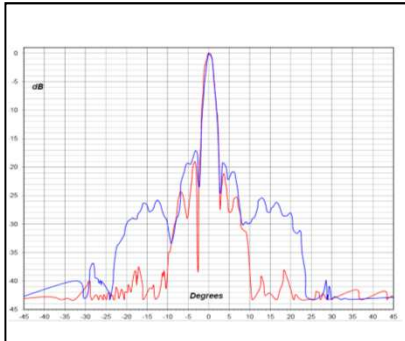




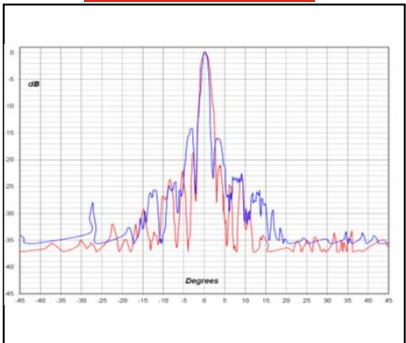
**18 GHz**



**28 GHz**



**40 GHz**



Red trace = E-plane, Blue trace = H-plane cut

