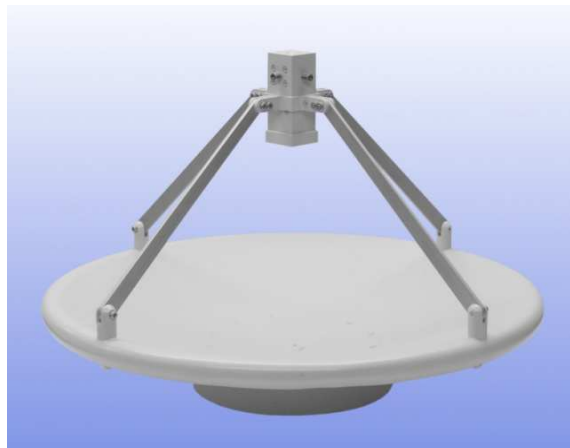


## 0.34 m Aluminium Reflector & 18 - 40 GHz Dual Polar Wideband Feed fitted with K type Connectors and a Radome

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***



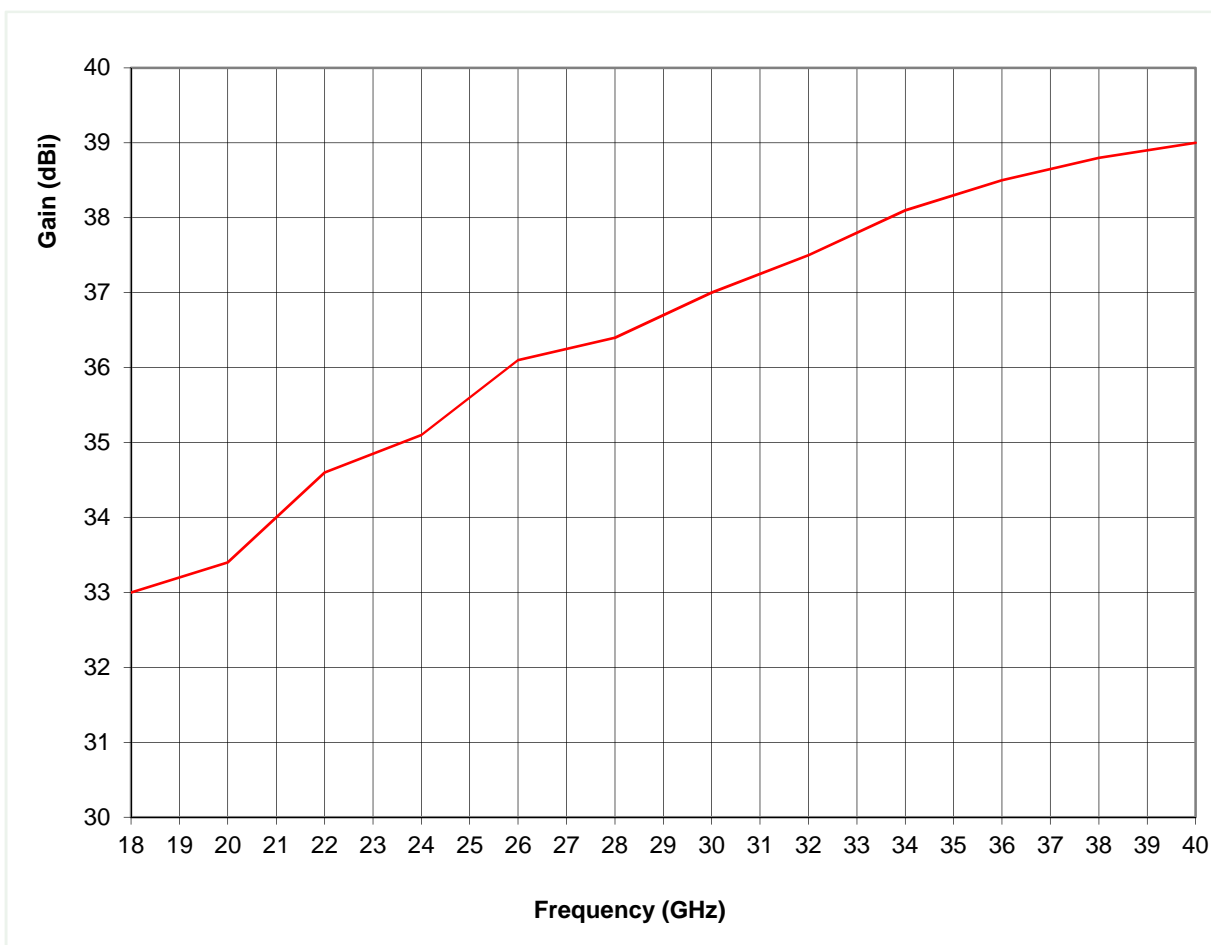
Typical photograph. Finish according to customer specifications.

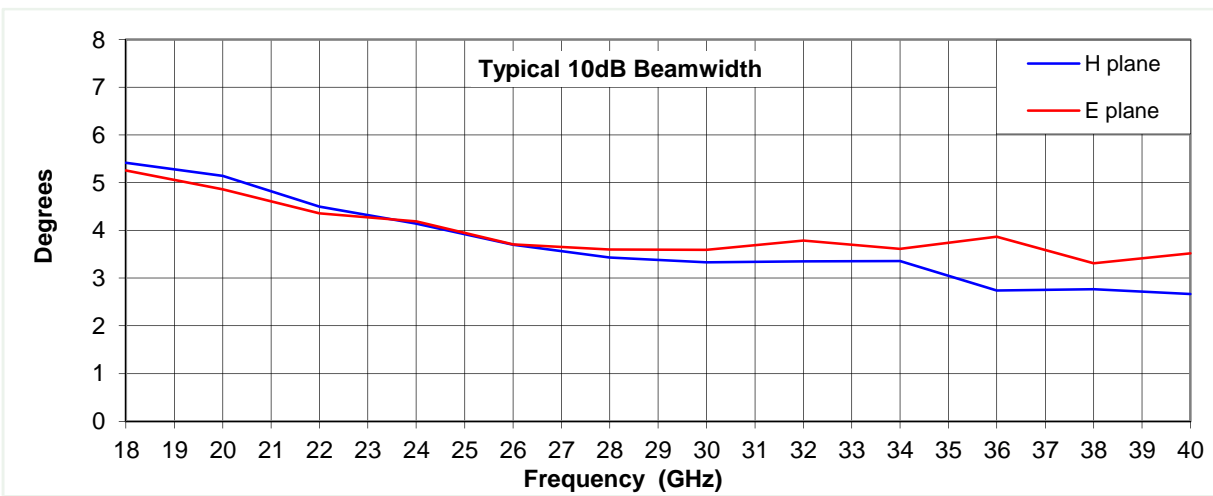
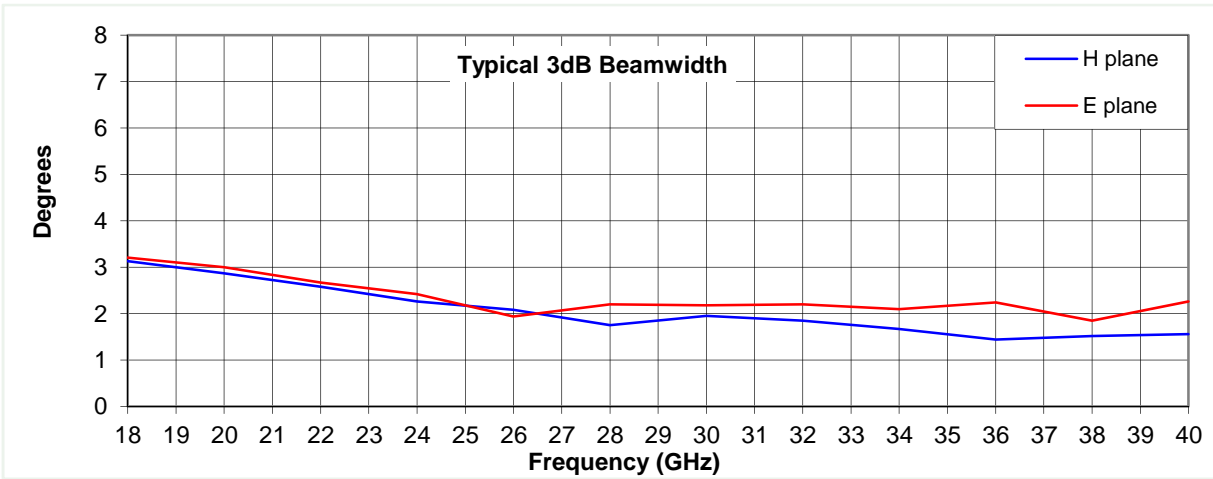
### Typical Specification

<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.

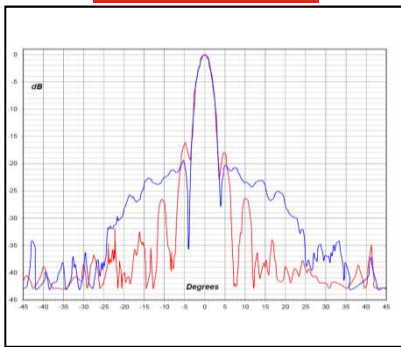
### Typical Antenna Gain

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.

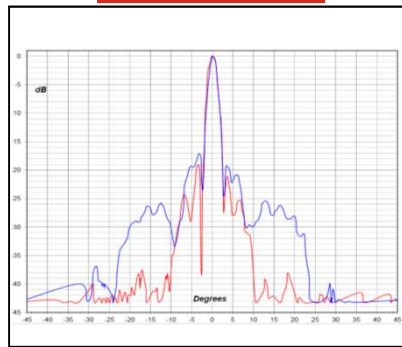




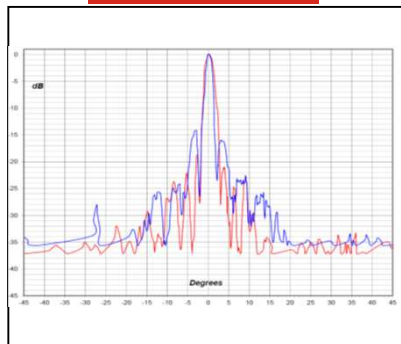
**18 GHz**



**28 GHz**



**40 GHz**



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