

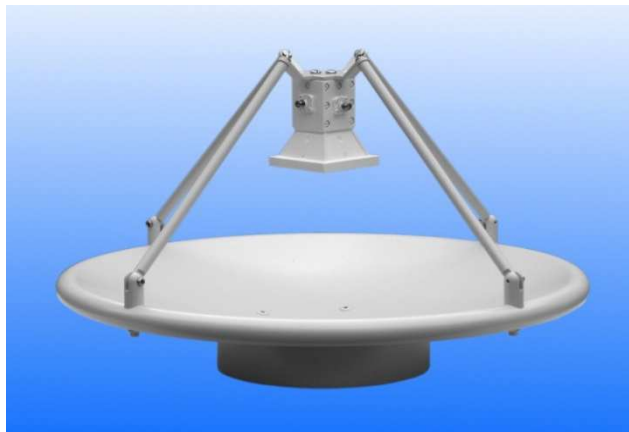


## 0.34 m Aluminium Reflector & 6.5 - 18 GHz Dual Polar Wideband Feed fitted with an SMA type Connector and Radome

Catalogue number **QSR-340-A-152 & QWF-DL-6.5-18-S-R**

Q-par reference: **QMS-00404**

Contents: **Summary**  
**Typical Antenna Gain Typical**  
**Beamwidth / Patterns VSWR**



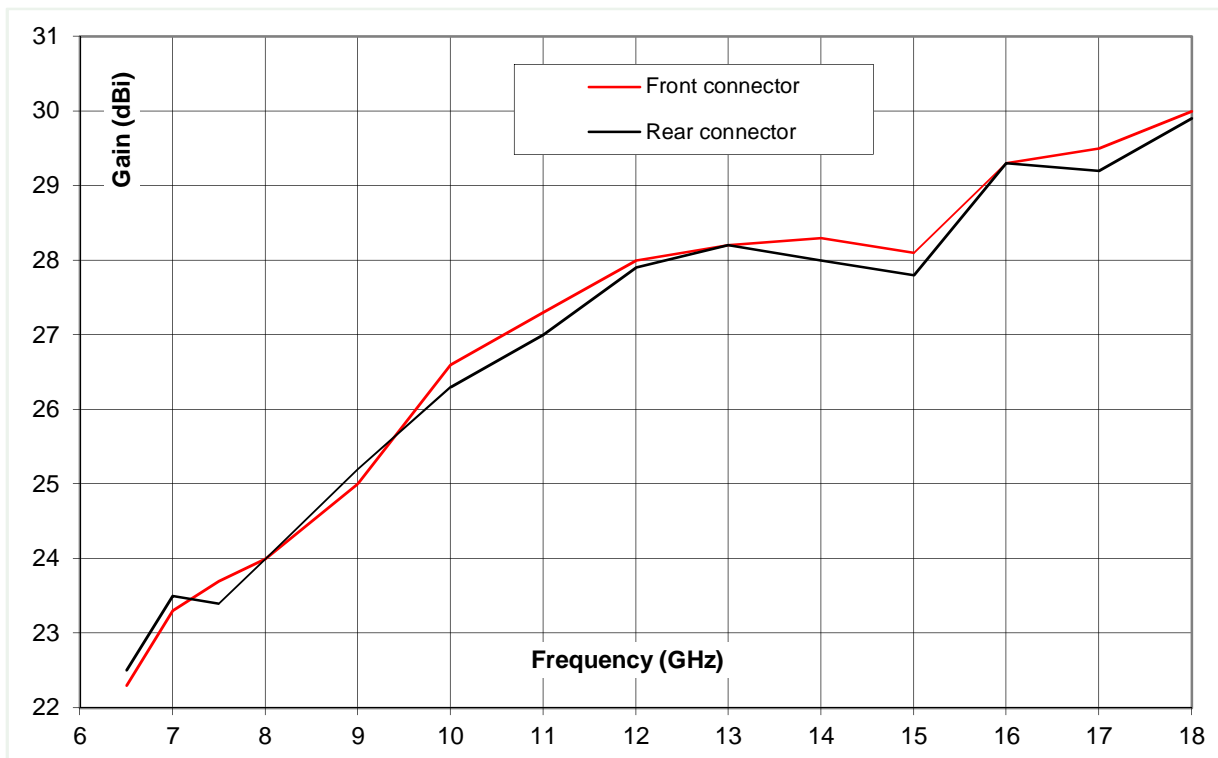
Typical photograph. Finish according to customer specifications.

## Typical Specification

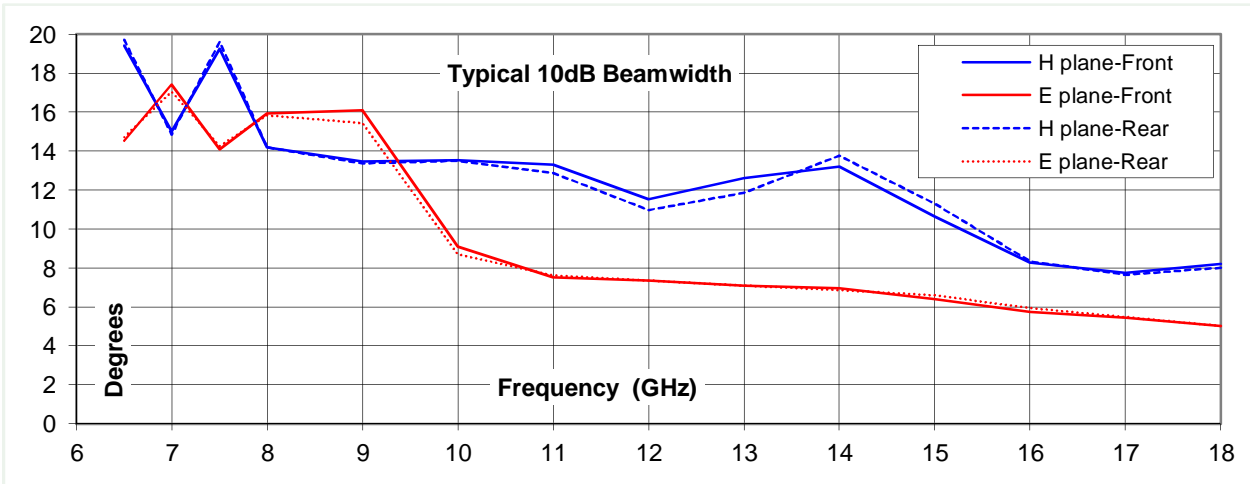
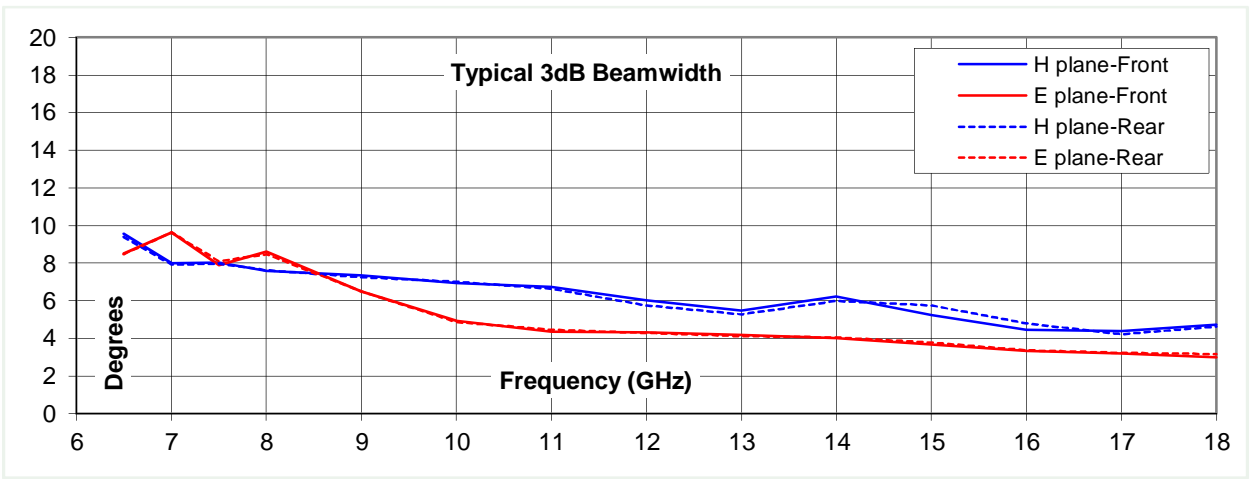
<b>Frequency</b>	6.5 to 18 GHz
<b>Connector type</b>	SMA
<b>Power Handling</b>	40 Watt c.w.
<b>VSWR</b>	Typically < 3.5:1
<b>Gain</b>	24 to 29.7 dBi
<b>3dB Beamwidth</b>	3 to 9.6 degrees
<b>10dB Beamwidth</b>	5 to 20 degrees
<b>Weight</b>	2.1 kg nominal
<b>Focal Length</b>	152 mm
<b>F/D</b>	0.45
<b>Maximum size</b>	Reflector diameter 375 mm maximum
<b>Mounting</b>	8 holes, tapped M6, 125 mm pitch circular diameter
<b>Construction</b>	Spun aluminium reflector, powdercoat finish. Composite feed, painted.

## Typical Antenna Gain

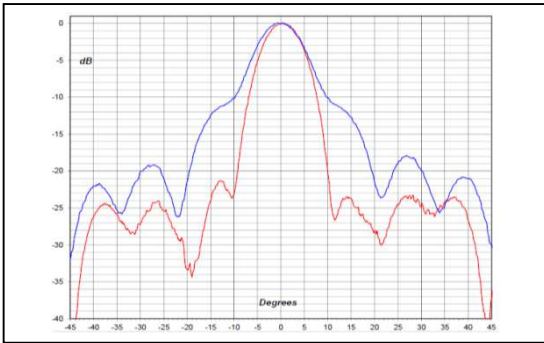
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



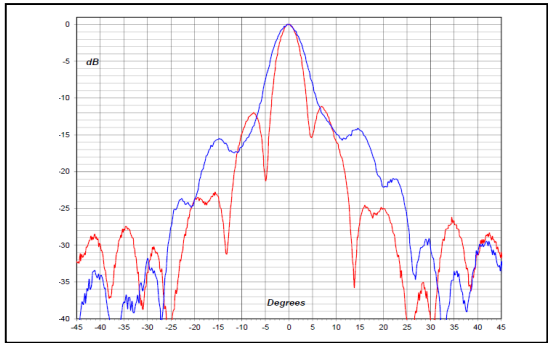
Front connector is nearest the aperture



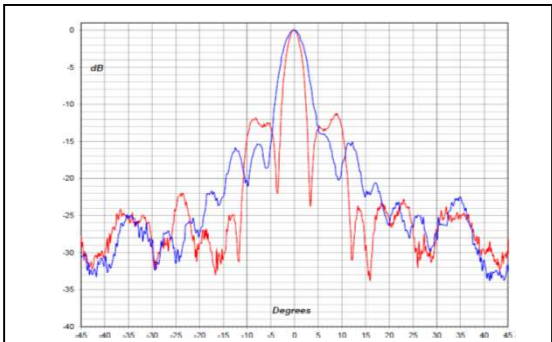
**6.5 GHz**



**12 GHz**



**18 GHz**



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

