



## Standard Gain Horn Antenna

**90 to 140 GHz**

**WG28 WR8 R1200**

Catalogue number: **QSH-SL-90-140-F-20**

Q-par reference: **QMS-00483**

Contents: **Summary**  
**Antenna Gain**  
**Beamwidth**



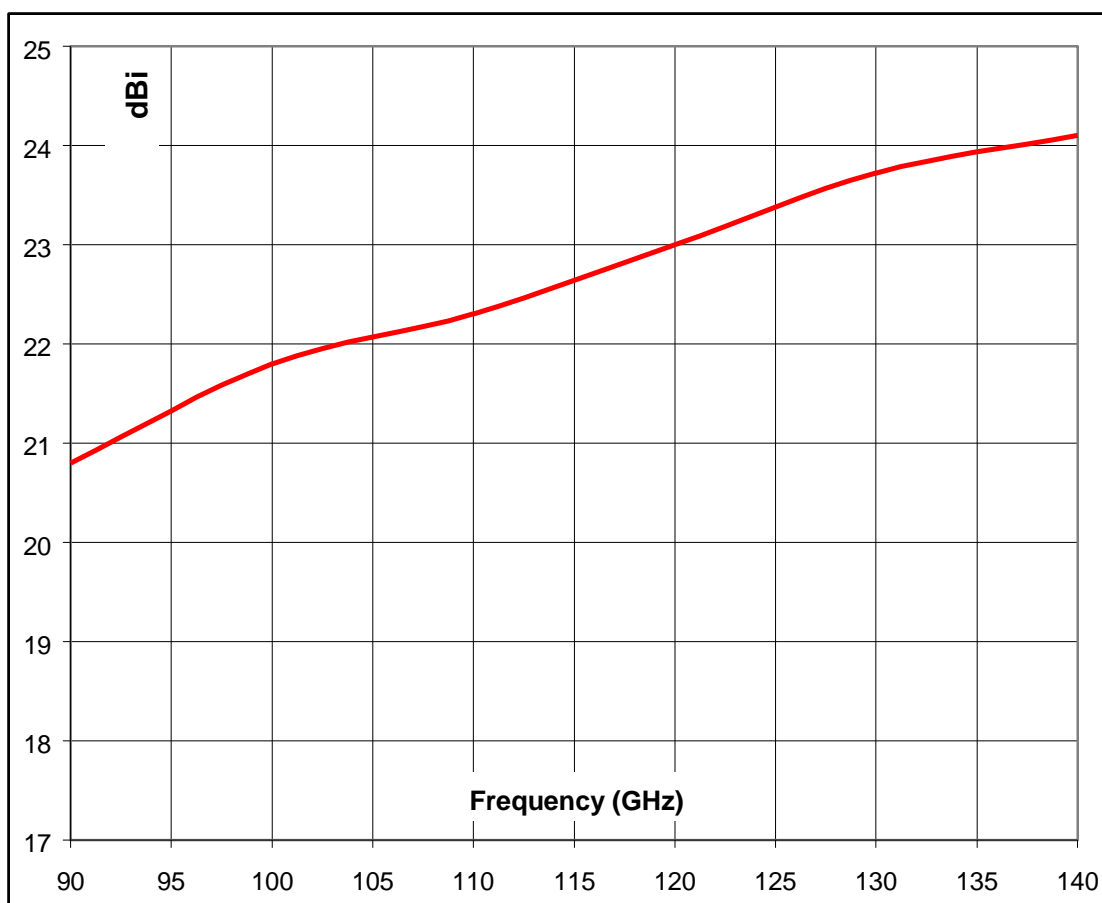
This report covers full electrical testing and has been produced for

## Summary

Frequency	90 to 140 GHz
Connector type	UG-387/U waveguide flange
VSWR	< 1.2:1
Gain	20.8 to 24.1 dBi
Power handling	50 Watt c.w.
Weight	25 g - nominal
Size- max.	14 mm x 17 mm external aperture x 40 mm long
Mounting	UG-387/U flange

## Typical Antenna Gain

Calculated gain , cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



The recommended far field range for this antenna is > 0.3 Metres

Frequency GHz	Gain dBi	Antenna Factor dB/m
90.0	20.8	48.5
110.0	22.3	48.8
120.0	23.0	48.8
130.0	23.7	48.8
140.0	24.1	49.1

