

Standard Gain Horn Antenna

90 to 140 GHz

WG28 WR8 R1200

P/N: **QSH28F20**

S/N: **9208 & 9209**

Q-par ref: **D2103**

Date: **21-Jan-11**

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Test Report

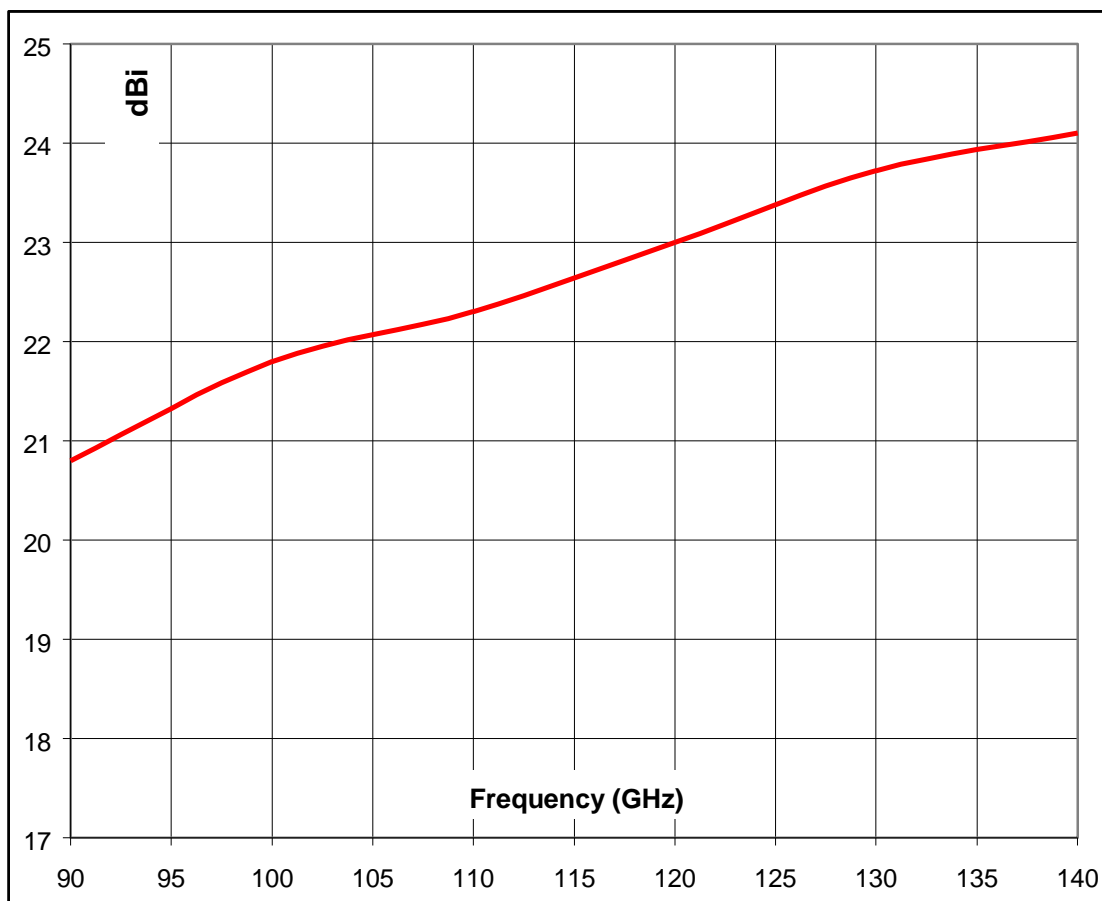
This report covers full electrical testing and has been produced for

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

