



Broadband Horn

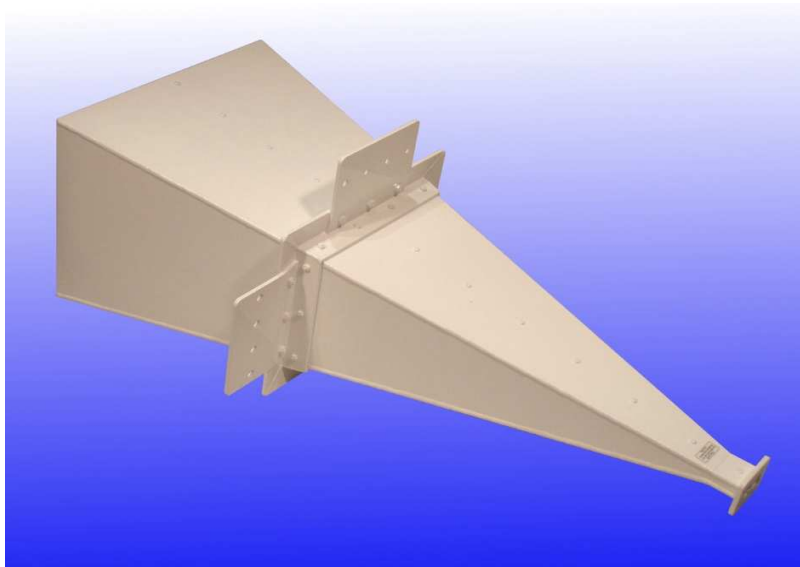
4 to 8 GHz

WRD350

Catalogue Number: **QWH-SL-4-8-F-HG**

Q-par reference: **QMS-00498**

Contents: **Summary**
Antenna Gain
Beamwidth
VSWR



This report covers full electrical testing and has been produced for

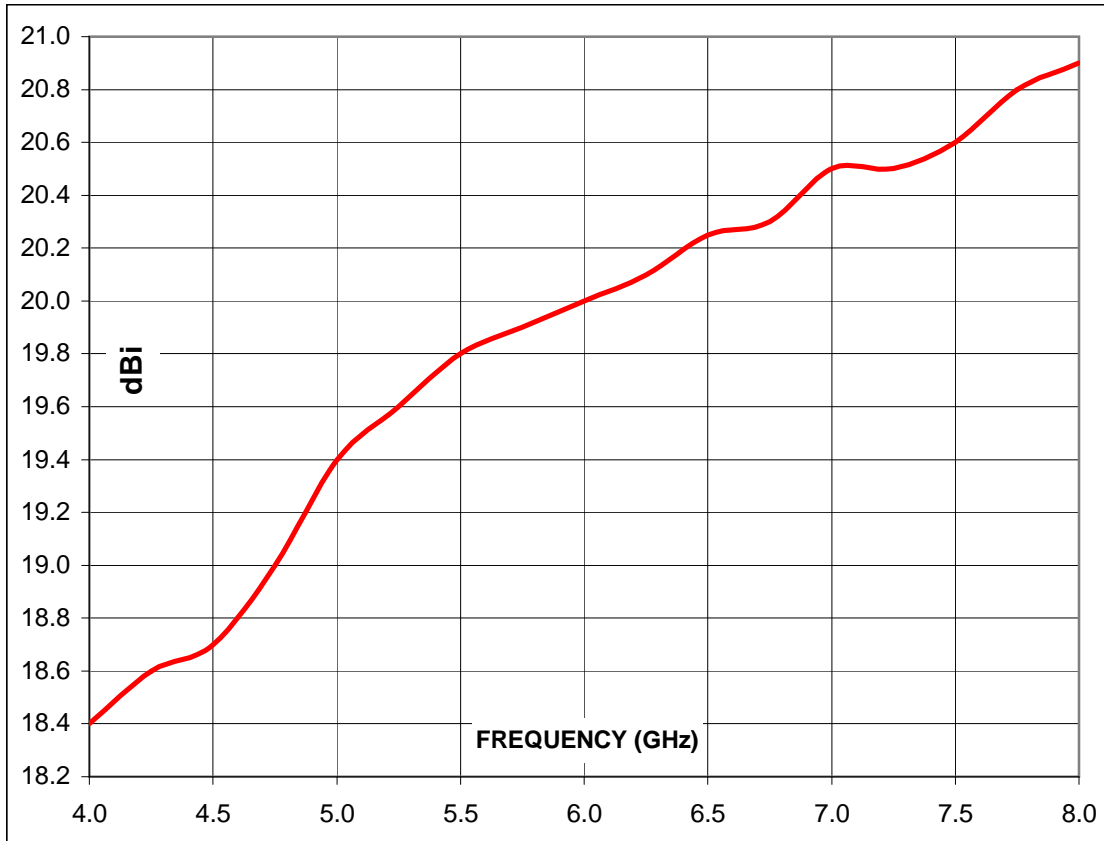
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Summary

Frequency	4 to 8 GHz
Connector type	WRD 350 Flange
VSWR	< 1.7:1 Measured with transition (<i>Typically <1.3:1 without transition</i>)
Gain	18.4 to 20.9 dBi
Power handling	2 kW c.w., 20 kW peak
Weight	7.6 kg
Size- max.	367 mm x 285 mm x 890 mm long
Mounting	2 mounting plates, with 4 x 10 mm diameter holes, 40 mm centres

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.



The recommended far field range for this antenna is > 7.8 Metres

Frequency GHz	Gain dBi	Antenna Factor dB/m
4.0	18.4	23.9
5.0	19.4	24.8
6.0	20.0	25.8
7.0	20.5	26.6
8.0	20.9	27.4

