

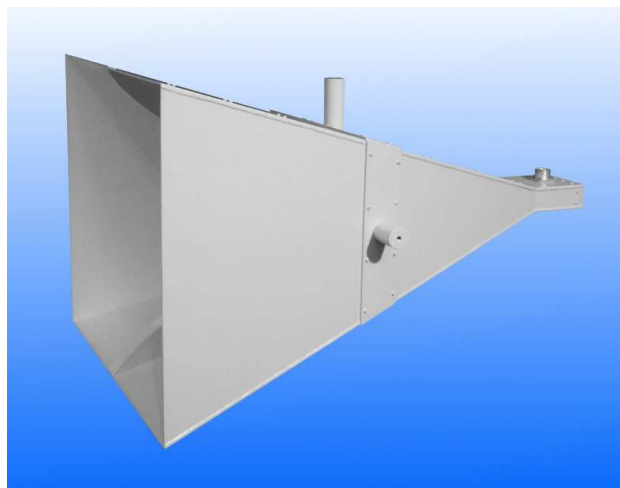
Wideband High-Power Horn Antenna

1 to 4.2 GHz

Catalogue number: **QWH-SL-1-4.2-A-HG**

Q-par reference: **QMS-00057**

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



Test Report

SD 18/09/2013 5179

Typical Specification

Frequency	1 to 4.2 GHz
Connector type	7:16 DIN type jack
Power Handling	1200 Watt c.w. at 4 GHz, 6 kW peak
VSWR	2.0:1 max, < 1.5:1 typical
Gain	13.6 to 18.4 dBi
Antenna Factor	16.6 to 24.5 dB/m
3dB Beamwidth	13 to 39 degrees
10dB Beamwidth	27 to 76 degrees
Weight	10.6 kg nominal
Size- max.	547 x 485 mm external aperture x 800 mm long
Mounting	2 x Mounting spigots at centre of gravity tapped 1/4" UNC x 16 mm deep
Construction	Aluminium. Powdercoat finish

Typical Antenna Gain / Factor

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.

