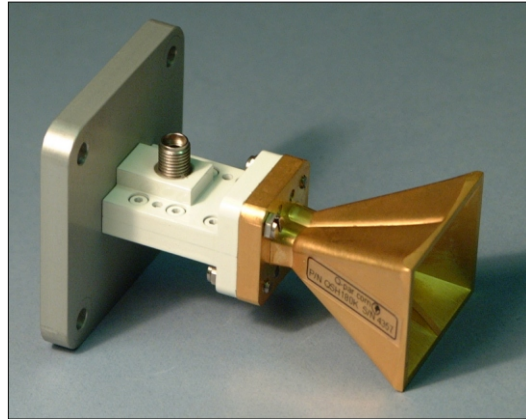
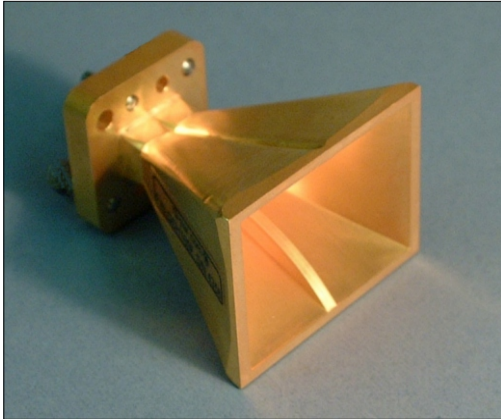


IDEAS ENGINEERED

Q-par Angus Ltd



Broadband Single Polarised Horn 18 - 40 GHz

Part Number WBH18-40F

Part Number WBH18-40K

The 18 - 40 GHz broad band horn is ideally suited for feeding reflectors for direction-finding and surveillance applications. With a reasonably high gain these horns, when used for EMC emissions testing, enable a reduction in system noise floor - an important feature when low emissions are being measured.

The 18 - 40 GHz single polarised horn, model number WBH18-40, is manufactured from electroformed copper. There are two versions available, the **WBH18-40F** is the standard horn with a WRD180 flange; the **WBH18-40K** additionally adds a 'K' Type adaptor. An aperture window can be fitted for environmental sealing, if required. Gain varies from 12 - 14 dBi across the frequency band. A calibration antenna report including gain versus frequency is provided with each horn.

A mounting bracket is included as standard on the WBH18-40K.

Designed and Manufactured in England to the highest standards

Q-par Angus Ltd
Barons Cross Laboratories
Leominster
Herefordshire
HR6 8RS UK



INVESTOR IN PEOPLE

tel +44 (0) 1568 612138
fax +44 (0) 1568 616373
web www.q-par.com
e-mail sales@q-par.com

I D E A S E N G I N E E R E D

Q-par Angus Ltd



SPECIFICATION

Model Number WBH18-40

Frequency	18 - 40 GHz
Nominal Gain	12 - 14 dBi
Nominal Beamwidth	40 - 22 degrees
VSWR	< 1.3 : 1, (< 1.8 : 1 WBH18-40K)
Construction	Electroformed Copper
Dimensions	35 mm x 28 mm x 38 mm 35 mm x 28 mm x 73 mm(WBH18-40K)
Connector	WRD180 Flange (WBH18-40F)
Connector	K Type (2.9mm) (WBH18-40K)
Weight	80 g nominal, 140 g (WBH18-40K)
Temperature	-40 C - +70 C
Power Handling	200 W c.w,(20 W c.w. WBH18-40K)

GAIN TABLE

Frequency (GHz)	Gain (dBi)
18	12
24	14
30	14
36	14
40	14.5

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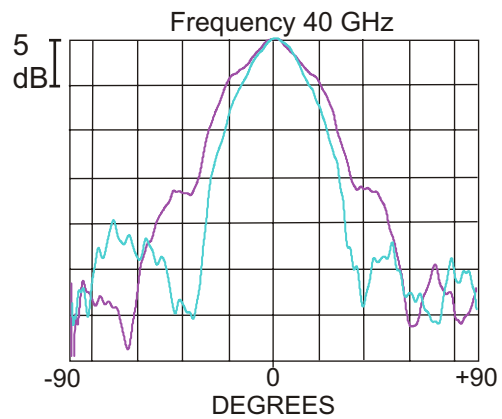
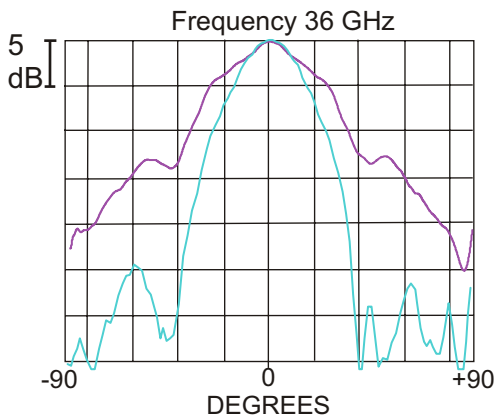
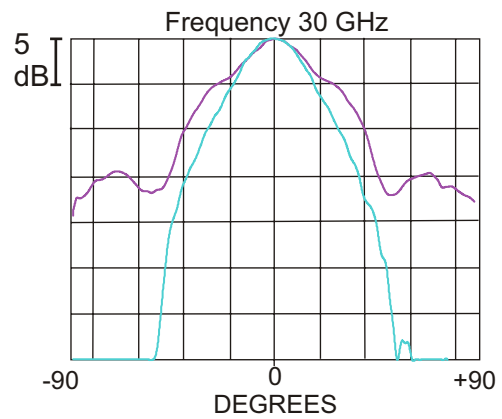
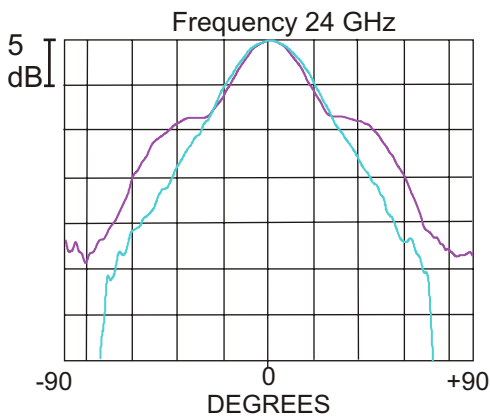
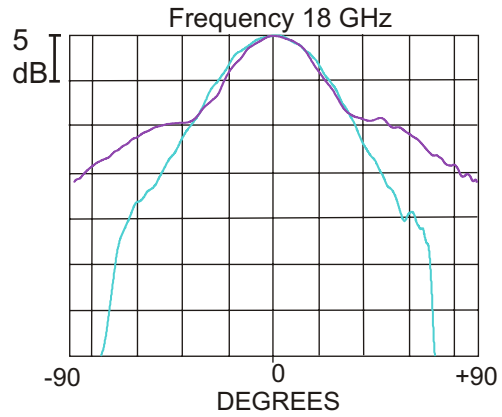


18 - 40 GHz
Broadband Single Polar Horn
WBH18-40

H PLANE



E PLANE



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Herefordshire
HR6 8RS UK



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tel +44 (0) 1568 612138
fax +44 (0) 1568 616373
web www.q-par.com
e-mail sales@q-par.com