

1.5 - 2.6 GHz Four Horn Focussing 21 dBi HiRF Antenna Array fitted with a 7:16 DIN Connector

Catalogue number **QPA-SL-1.5-2.6-A-21**

Q-par reference **QMS-00722**

Contents **Summary**
Typical Gain at 1 metre
Typical Antenna Factor / Beamwidth at 1 metre
VSWR



Typical photograph with mounting trolley. Finish according to customer specifications.

Typical Specification

Frequency	1.5 to 2.6 GHz
Connector Type	7:16 DIN
Power Handling	1.4 kW c.w. 13 kW peak at 10 % duty cycle maximum.
VSWR	Typically < 1.5:1. Maximum 2:1.
Gain	20.3 to 22 dBi
Antenna Factor	13.5 to 16.5 dB/m
3dB Beamwidth	8 to 14 degrees
Weight	54 kg nominal
Maximum Size	950 x 950 x 900 mm nominal
Mounting	Requires specialised trolley. Refer to QMS-00722_ICD.
Construction	Stainless steel, aluminium.

Typical Antenna Gain at 1 metre

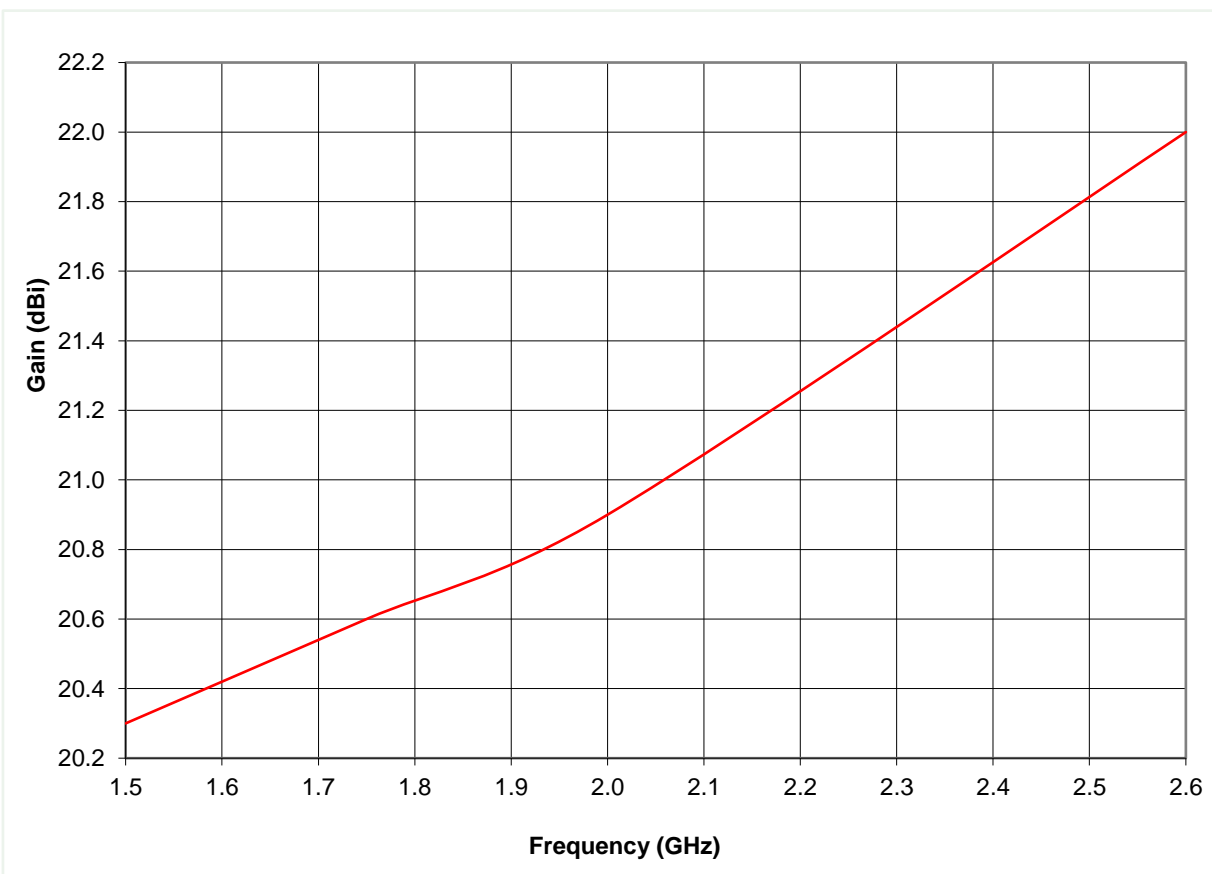
This is calculated by reference to standard gain horn antennas with an estimated error of +/- 0.8dB.

Horn squint setting nominal 12 degrees in horizontal and vertical planes, 103 on the scale.

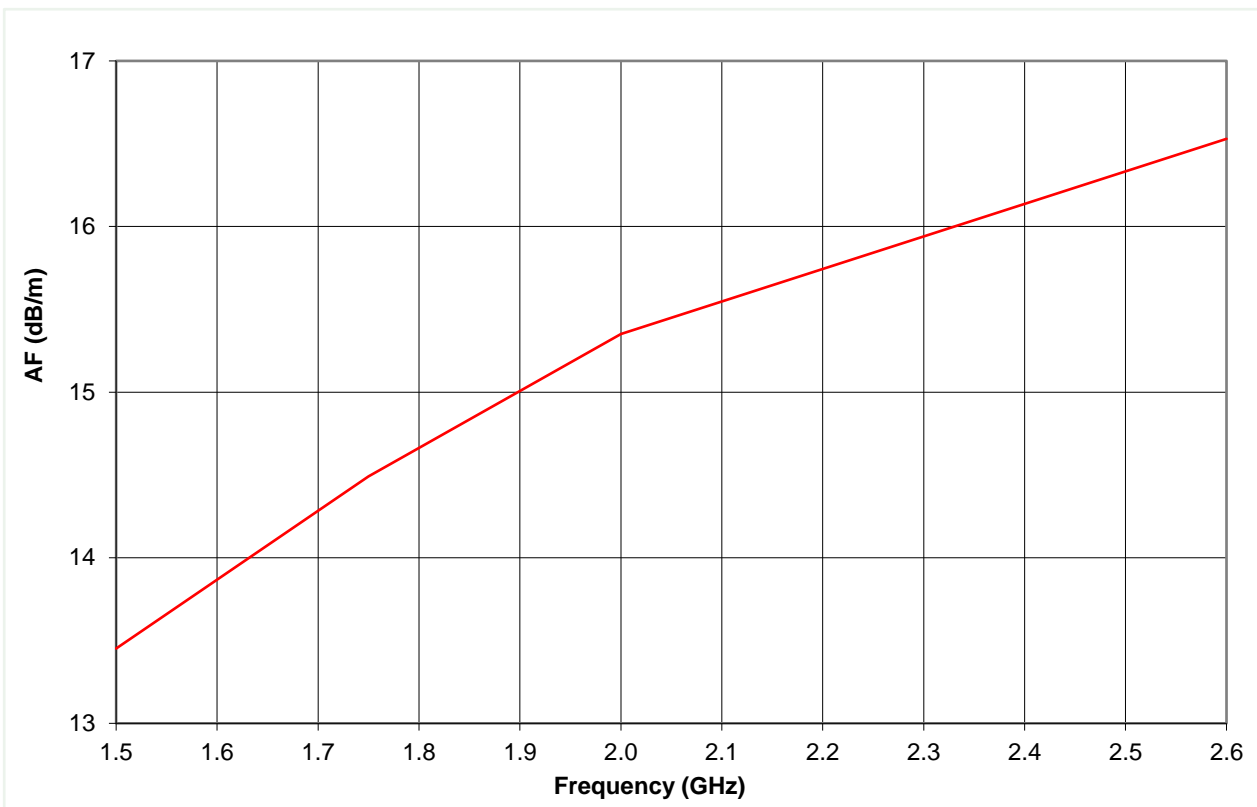
Larger squint angles will increase the gain at the expense of beamwidth.

Gain and antenna factor are measured using a small, low gain probe such as a short dipole.

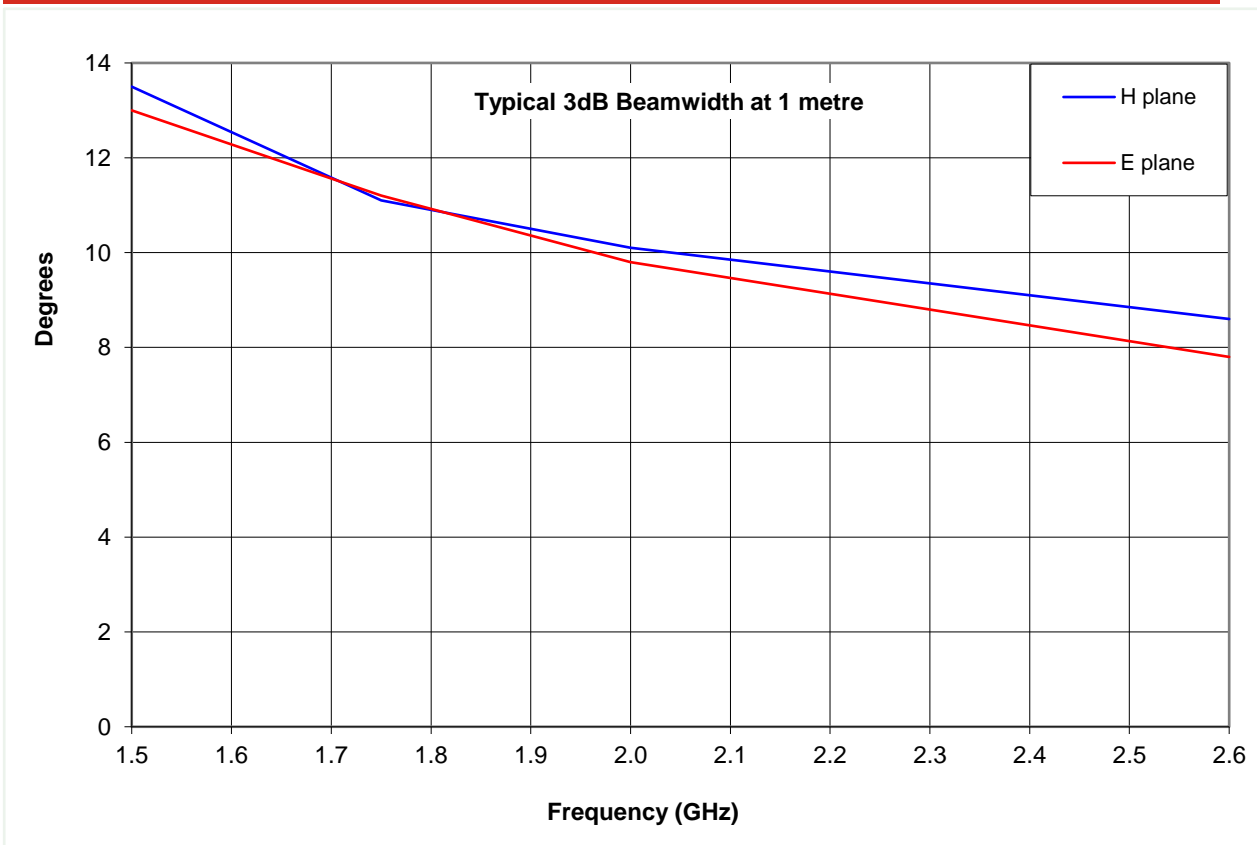
One metre distance is with respect to array centre, as measured from the end of the horns.



Typical Antenna Factor at 1 metre



Typical 3dB beamwidth at 1 metre



Sales Partner



ABSOLUTE EMC Llc. Covering sales in North America United States, Mexico, & Canada

absolute-emc.com
Phone: 703-774-7505
info@absolute-emc.com