

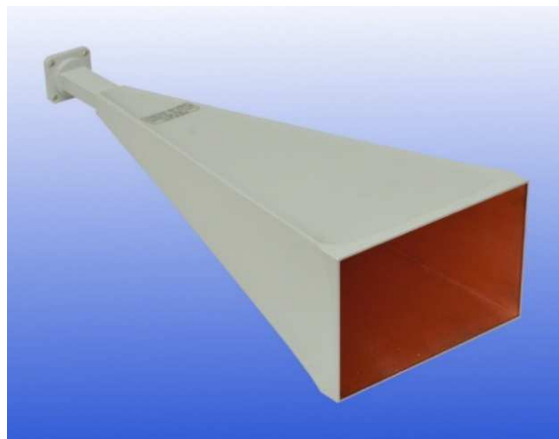
12 - 18 GHz Linearly Polarised 23 dBi Horn Antenna fitted with a WG18 / WR62 Flange

Catalogue number **QSH-SL-12-18-F-23**

Q-par reference **QMS-00199**

Contents **Summary**

Typical Gain / Antenna Factor - at 1 metre
Typical Beamwidth / Patterns
VSWR



Sales Partner



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

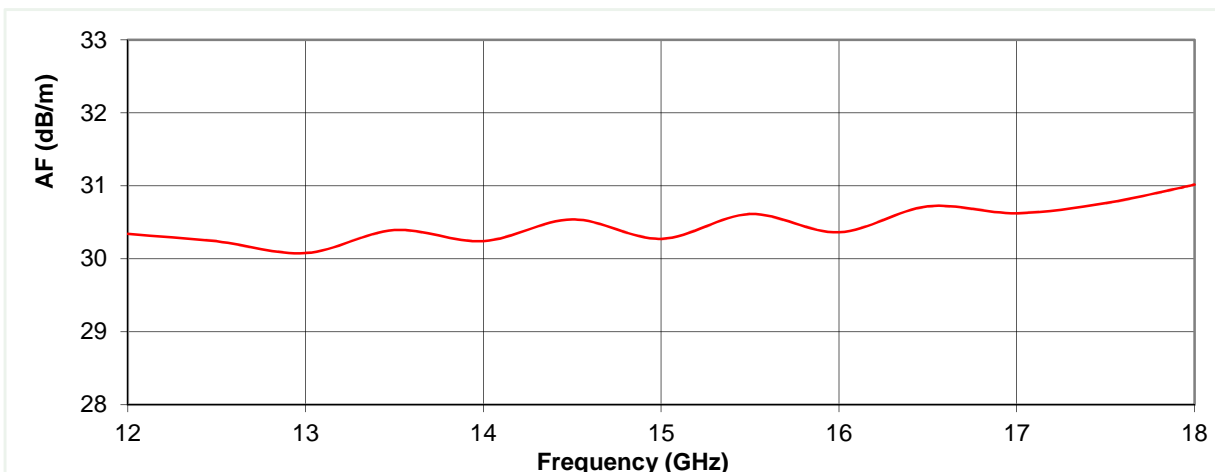
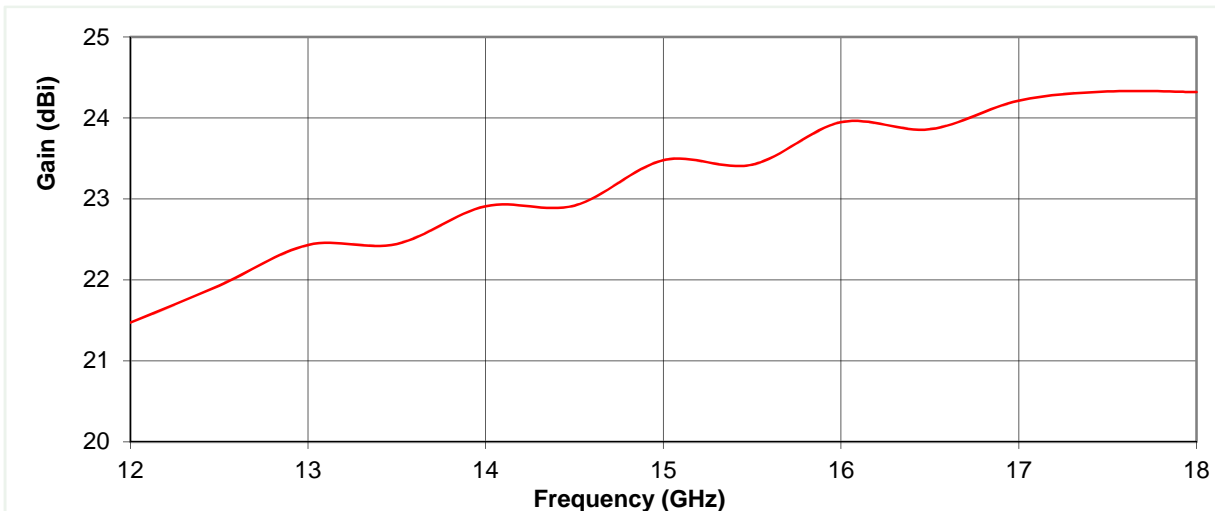
absolute-emc.com
Phone: 703-774-7505
info@absolute-emc.com

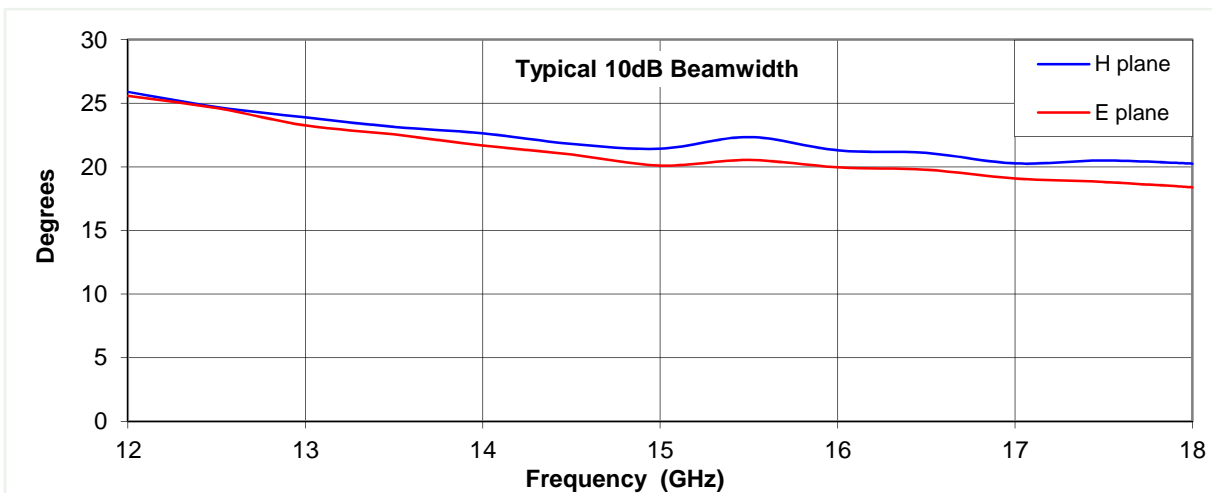
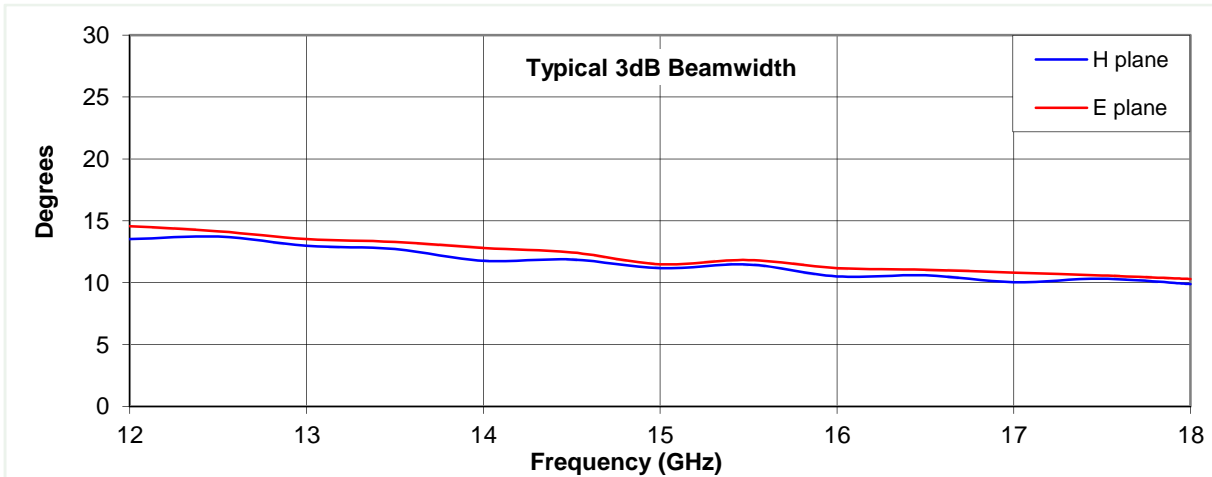
Typical Specification

Frequency	12 to 18 GHz
Connector Type	UG419/U waveguide flange
Power Handling	2.2 kW c.w. 80 kW peak.
VSWR	< 1.1:1
Gain	21.5 to 24.3 dBi
Antenna Factor	30.1 to 31 dB/m
3dB Beamwidth	10 to 15 degrees
10dB Beamwidth	18 to 26 degrees
Weight	1.25 kg nominal
Maximum Size	129 mm x 82 mm ext. aperture x 350 mm long (nominal)
Mounting	Waveguide flange
Construction	Electroformed copper and brass flange, painted

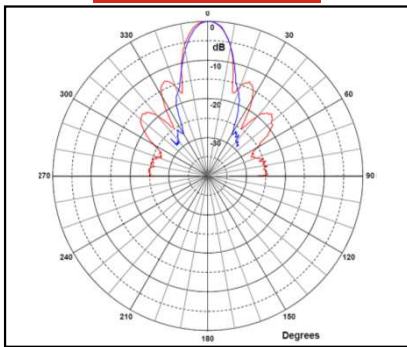
Typical Antenna Gain / Factor - at 1 metre

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.

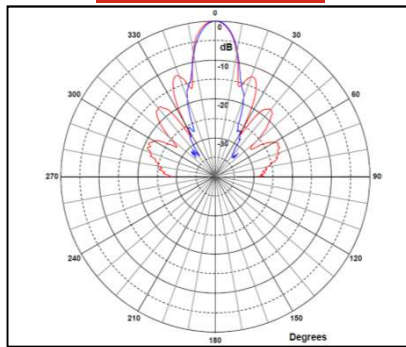




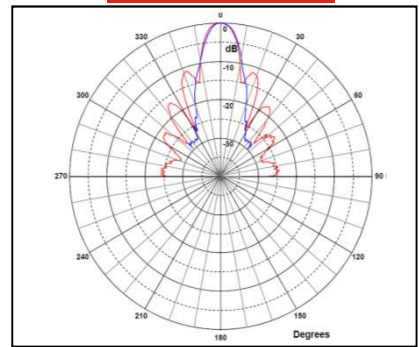
12 GHz



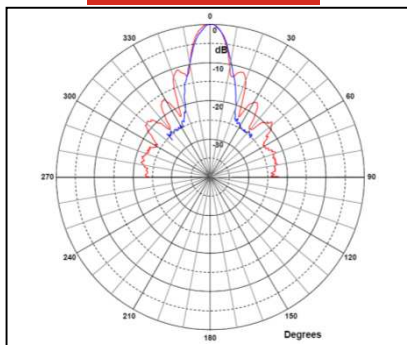
13.5 GHz



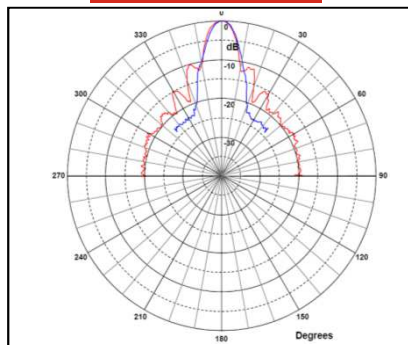
15 GHz



16.5 GHz



18 GHz



Red trace = E-plane, Blue trace = H-plane cut

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