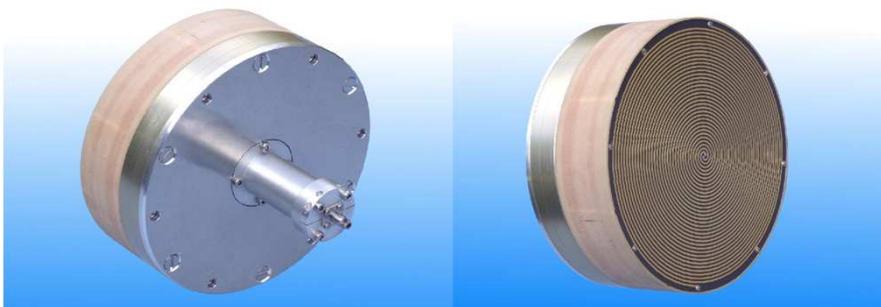


Circularly Polarised Spiral Antenna

0.5 to 22 GHz



Model Number QSPCP0.5-22SLH

- Adaptable design
- Compact and small size
- Axial ratio better than 3 dB above 0.8 GHz
- Stable antenna patterns
- Test report supplied with each antenna
- Available as RHCP (Right Hand) or LHCP (Left Hand)

The QSPCP0.5 - 22S is a compact ultra wide-band 0.5 - 22 GHz spiral antenna intended for Ultra Wide Band (UWB) communications, feeds, radio surveillance and direction finding applications. This 152 mm diameter antenna is Circularly Polarised with axial ratio better than 3 dB above 0.8 GHz on boresight.

This antenna is easily adapted to meet specific customer requirements and helps reduce development lead-times.

Accessories

QTP-A Economy Tripod

Other models

QSPCP2-18S - 2 - 18 GHz
QSPCP18-42K - 18 - 42 GHz

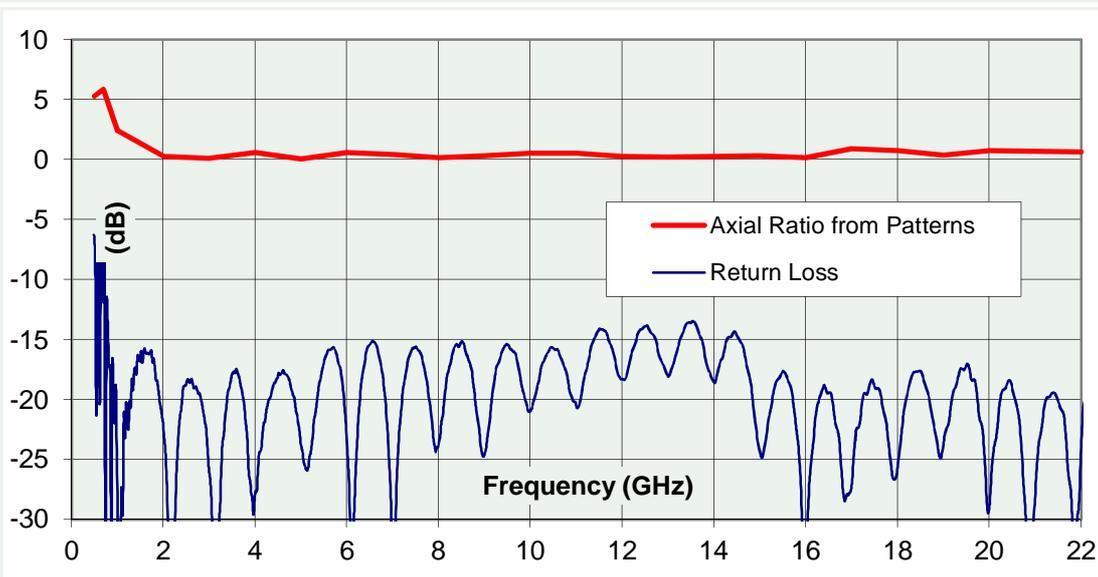
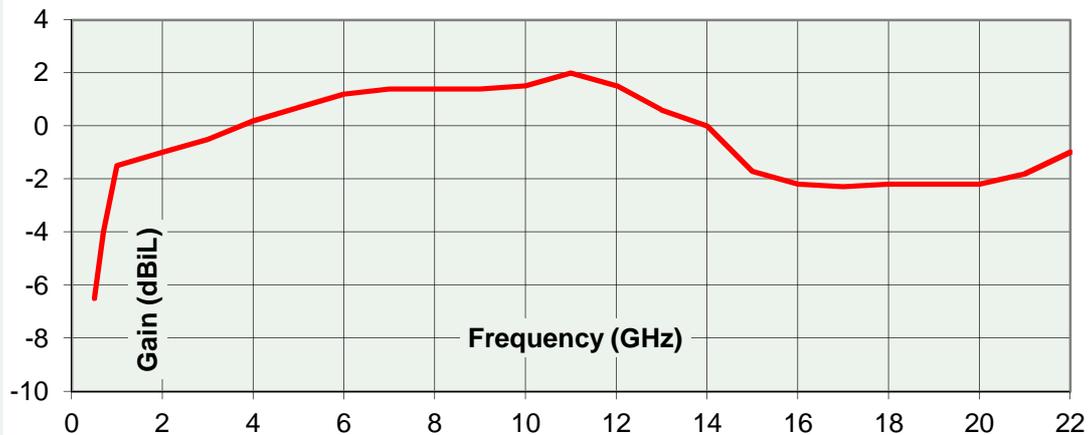
Data Sheet

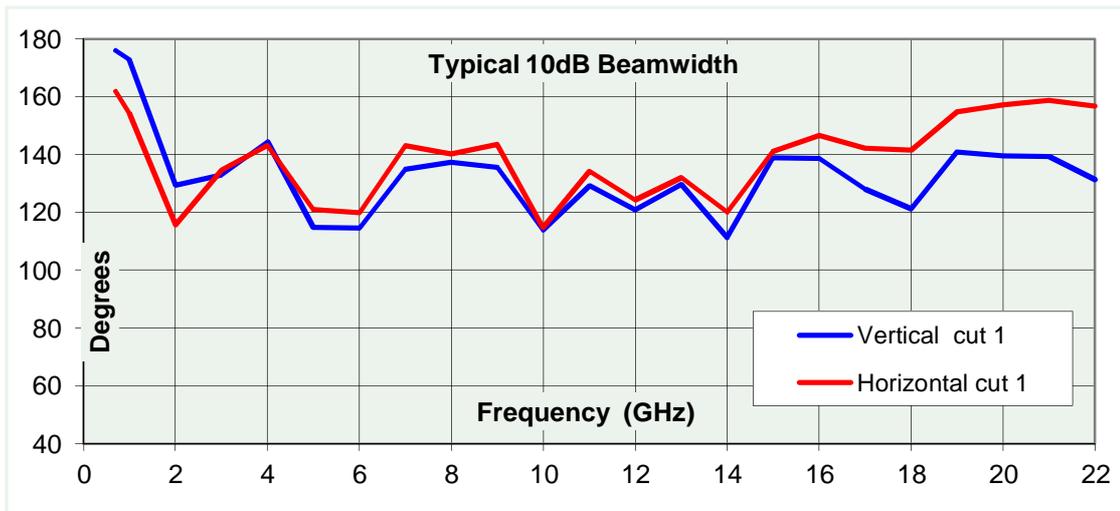
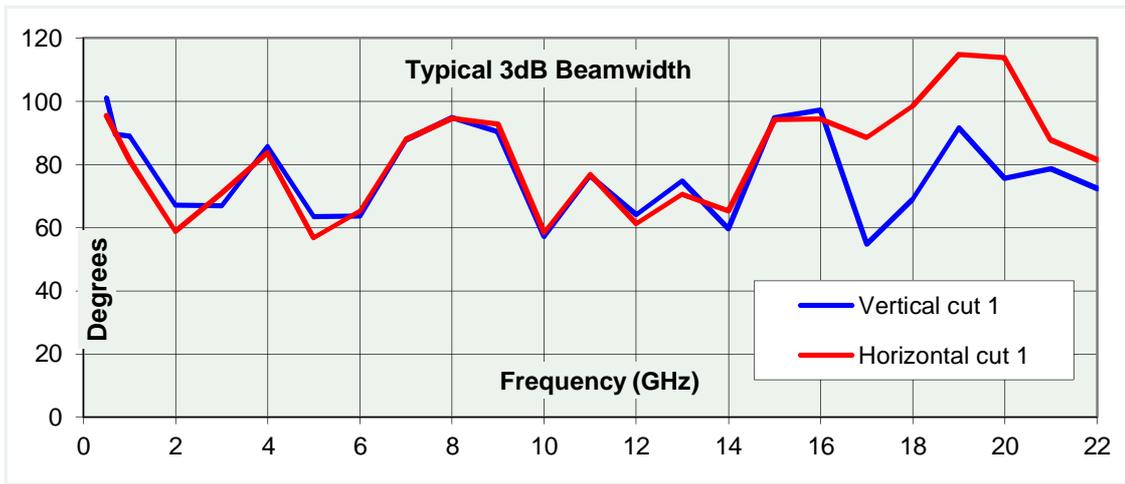
Typical Specification

Frequency	0.5 to 22 GHz
Connector type	SMA type jack
Power Handling	2 Watt c.w.
VSWR	Typically < 1.5:1 above 0.8 GHz
Gain	-3 to 2 dBiL above 0.85 GHz, -6.5 dBiL at 0.5 GHz
Squint	Typically better than +/- 10 degrees across the band
3dB Beamwidth	60 to 115 degrees
Axial ratio	< 2dB above 1 GHz
Weight	740 g
Size- max.	152 mm diameter face x 120 mm long inc. connector
Mounting	4 holes, M5 x 7.5 mm deep, 137 mm PCD
Construction	Aluminium and Engineering Plastics

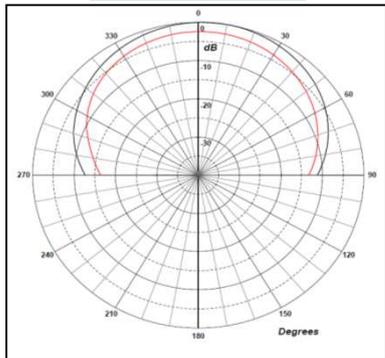
Typical Linear Antenna Gain / Axial Ratio / Return Loss

Gain 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.

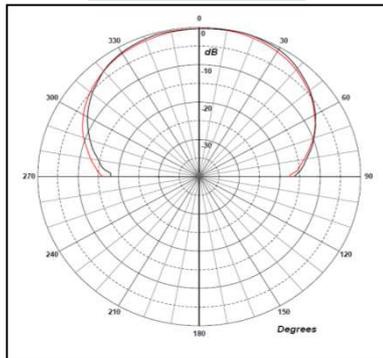




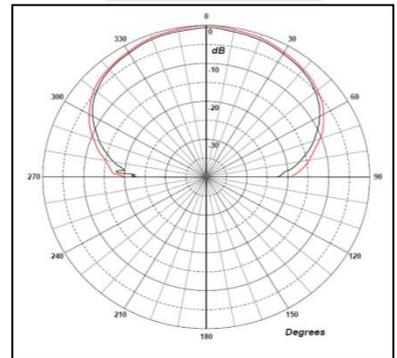
1 GHz



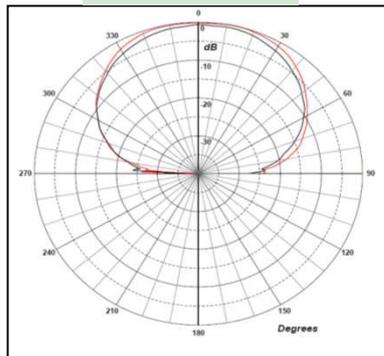
5 GHz



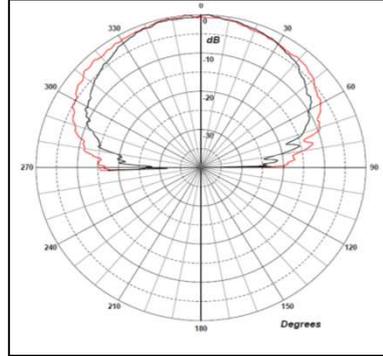
10 GHz



15 GHz



20 GHz



* Patterns measured using a linear source antenna , Polarisation refers to the polarisation of the source horn. patterns the **Red trace = Horizontal pol source**, **Black trace = Vertical pol source**

On