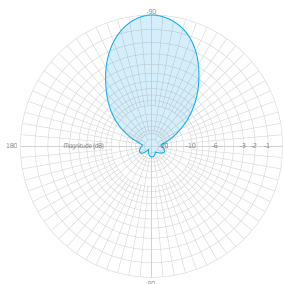


# UHF Antenna Panel 90°

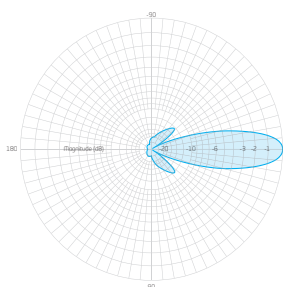
Broadband for digital and analogue systems



**Radiation Pattern**



**Horizontal (measured)**



**Vertical (measured)**



## PRODUCT FEATURES

- Designed to support digital signals
- Very good return loss response especially on upper UHF band
- Excellent mechanical performance for long-term stability
- Pressurisation up to the dipoles

## PRODUCT PROFILE

An excellent antenna panel for both analogue and digital antenna systems. Covering the entire UHF frequency range, this completely broadbanded panel is a wise investment as it eliminates the need for panel replacement when changing channels. It also provides broadcasters with total freedom to add more channels if required.

See Antenna Systems for more details.

<b>ARTICLE</b>	<b>020-400</b>
<b>FREQUENCY RANGE</b>	470 - 860 MHz (band IV-V)
<b>MAX INPUT POWER</b>	2.5 kW
<b>IMPEDANCE</b>	50 Ohm
<b>VSWR</b>	<1.1
<b>LOBE WIDTH</b>	
Horizontal -6 dB	90°
Horizontal -3 dB	64°
Vertical -3 dB	23°
<b>POLARISATION</b>	Horizontal
<b>GAIN</b>	11 dBd
<b>ANTENNA TYPE</b>	Panel with 4 dipoles
<b>CONNECTIONS</b>	7/8" flange or 7/16 female, at the bottom or back of the panel
<b>PHASE CHECK CONNECTOR</b>	N female, 50Ω (optional)
<b>MATERIAL</b>	
Reflector	Stainless steel
Radome	Fiberglass
Internal lines	Silver-plated copper and brass
Other parts	Glass-loaded polycarbonate
<b>RADOME COLOUR</b>	Red, white and green. Grey on request.
<b>WIND LOAD</b>	870 N at 44 m/s (160 km/h)
<b>DIMENSIONS</b>	
H x W x D	1000 x 450 x 220 mm (39 x 17.7 x 8.6 in)
<b>WEIGHT</b>	17 kg(37.5 lb)