

Antenna Panel 120°

600 – 860 MHz, 1.2 kW rms



PRODUCT FEATURES

- Provides superior omni-directional pattern with just three panels
- No pressurization required
- Extremely low wind load
- Very small and lightweight
- Weather resistant design
- Well suited for both permanent and temporary applications
- 10-year comprehensive guarantee

PRODUCT PROFILE

The antenna panel is distinctively smaller and lighter than conventional UHF antenna panels. At just over 81 cm high and 30 cm wide, this design significantly reduces wind load by as much as 60 % compared to typical panels.

Built with corrosion resistant materials and incorporating our well-known weather protection techniques, the antenna panel is extremely durable and designed to perform flawlessly in the toughest climates for at least 25 years.

Furthermore, Exir Broadcasting employs production techniques that provide a thicker colour coating for extra protection against adverse UV radiation, airborne particles and ice.

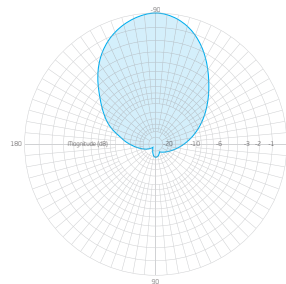
COST EFFICIENT AND CONVENIENT

With a typical, horizontal lobe width of 120° at -6 dB, the antenna panel enables the use of just three panels instead of the usual four in order to achieve full, 360° coverage. This provides a very cost effective solution by eliminating one panel as well as 25 % of the costs for connectors, jumper cables and splitters.

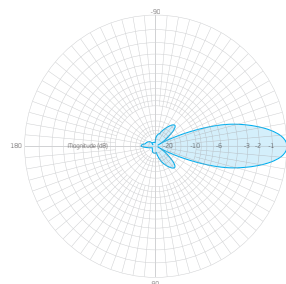
The panel also provides a convenient solution for applications such as directional systems and gapfillers. Its low wind load and exceptionally low weight makes it very well suited for temporary applications and for placement on short or light weight towers, roof tops, etc.

Other features include a DC grounded feedline, a typical gain of 10 dBd and a maximum input power of 2 kW peak sync. Available in white or red.

Radiation Pattern



Horizontal (measured)



Vertical (measured)



ARTICLE	ANP4-12H1-AA00 (7/16 connection) ANP4-12H2-AC00 (7/8 connection)
FREQUENCY RANGE	600 - 860 MHz (Band V+)
BANDWIDTH	260 MHz
MAX INPUT POWER	2 kW peak sync / 1.2 kW rms
IMPEDANCE	50 Ohm
VSWR / RETURN LOSS	<1.14 / >24 dB
POLARIZATION	Horizontal
GAIN	10 dBd
LOBE WIDTH	
Horizontal -6 dB	120°
Horizontal -3 dB	75°
Vertical -3 dB	25°
CONNECTION	7/8" flange or 7/16 female, at the bottom of the panel
MATERIAL	
Radiators	Aluminium
Reflector	Stainless steel
Radome	Fiberglass
RADOME COLOUR	Red (RAL 3020) or white (RAL 9010) Other colours on request.
WIND LOAD	415 N at 55 m/s (200 km/h)
OPERATING TEMPERATURE	+55 °C full performance +80 °C reduced performance
DIMENSIONS	811 x 301 x 184 mm H x W x D (32 x 12 x 7 in)
WEIGHT	9.5 kg (20.9 lb)