



3 GHz Window Antenna

Operating Frequency: 3.30-3.80 GHz

Product code: PANL-A0020



PANL-A0020 is a directional antenna for indoor or outdoor use. It is equipped with a universal ball bracket for easy azimuth and elevation adjustment and can be mounted on either the interior of a window or on an exterior wall. The antenna is provided with a 2m cable with SMA (male) connector for fitment to devices using the SMA (female) connector.

Features:

- 14dBi 3GHz antenna
- DC shorted
- Easily adjustable ball mounting bracket
- Suction pads for window mounting

Application areas:

- 3 GHz indoor CPE booster antenna (WiMAX)



Specifications:

Product Code:

PANL-A0020 14dBi 3GHz with 2m Low loss cable with SMA(m) connector

Electrical specifications

Frequency	3300–3800 MHz
Gain (max)*	14 dBi (+-0.2 dB)
Gain (min over the band)*	12 dBi (+-0.2 dB)
VSWR	1.5:1 (typ) 2:1 (max)
Elevation 3 dB beamwidth	18° (± 1°)
Azimuth 3 dB beamwidth	60° (± 4°)
Feed power handling	6 W
Nominal input impedance	50 Ohm
Polarisation	Linear (Vertical or Horizontal)
Surge protection	DC-shortened feed

Environmental:

Flammability	UL 94 Class HB
Wind operation	<120 km/h
Temperature Range	- 40°C to +70°C
Mechanical Shock	ETSI 300 019-2-4 V2.2.2 T4.1E
Vibration	ETSI 300 019-2-4 V2.2.2 T4.1E
Solar radiation	IEC 68-2-5, MIL-STD-810
Humidity	95% condensation, (IEC 60068)
Water Ingress Rating	IP65 (NEMA 4X)
Salt spray	ETSI 300 019-2-4

Electrical compliance

Sidelobes level	ETSI EN 302326-03 v1.2.2 DN1
Cross polarisation	ETSI EN 302326-03 v1.2.2 DN1

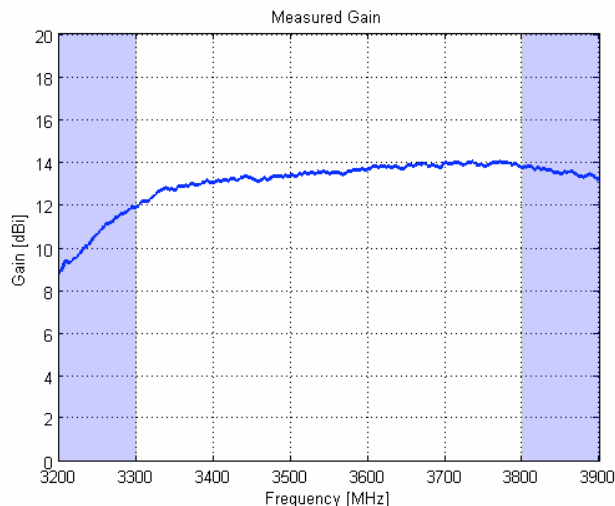
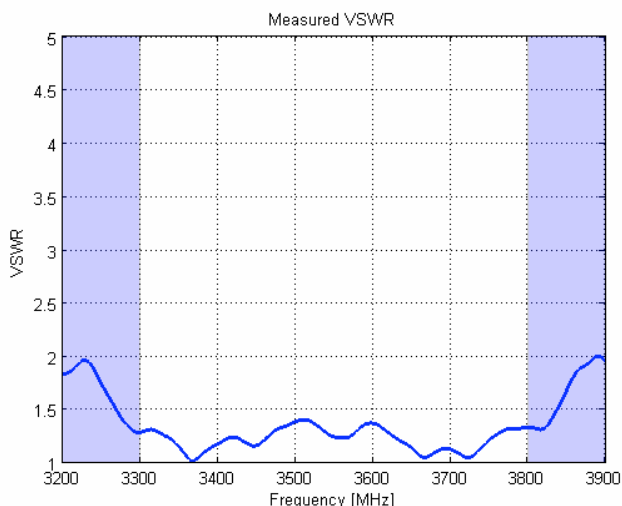
Materials compliance RoHS

Mechanical:

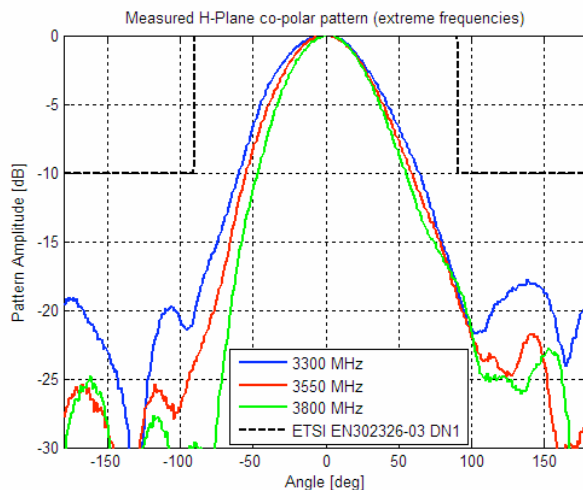
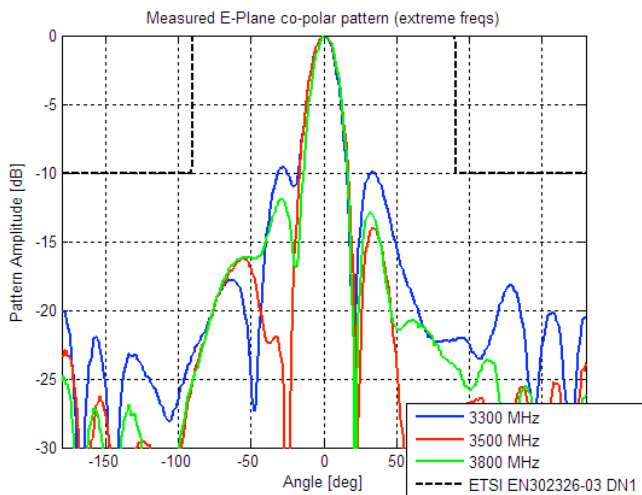
Package dimensions	350mm x 200mm x 80mm
Packaged weight	0.90 kg
Deployed dimensions	360mm x 185mm x 135mm
Colour	Pantone Cool Grey 1C
Mounting	Ball-jointed bracket for wall or window mounting

* Gain data excludes the loss in the 2m low-loss cable

VSWR and Gain

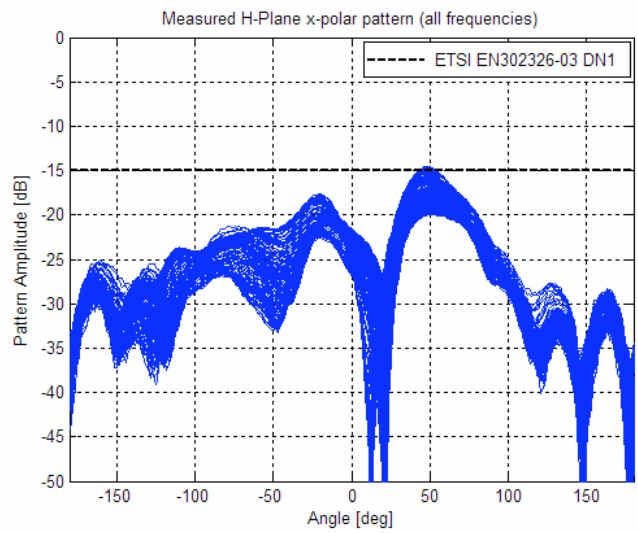
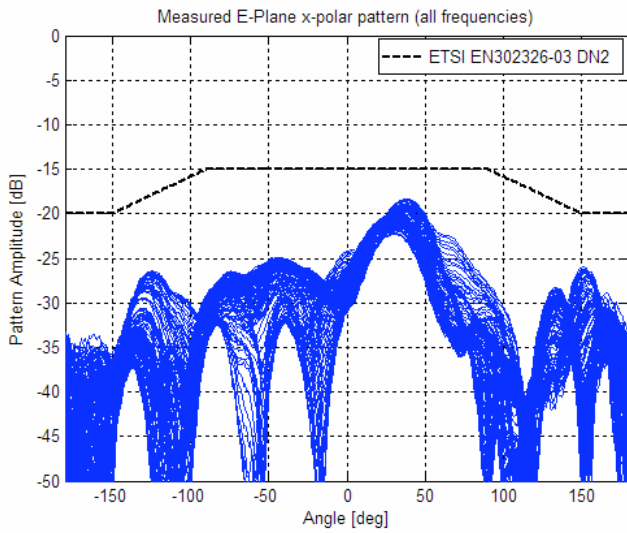


Co-polar Radiation Patterns

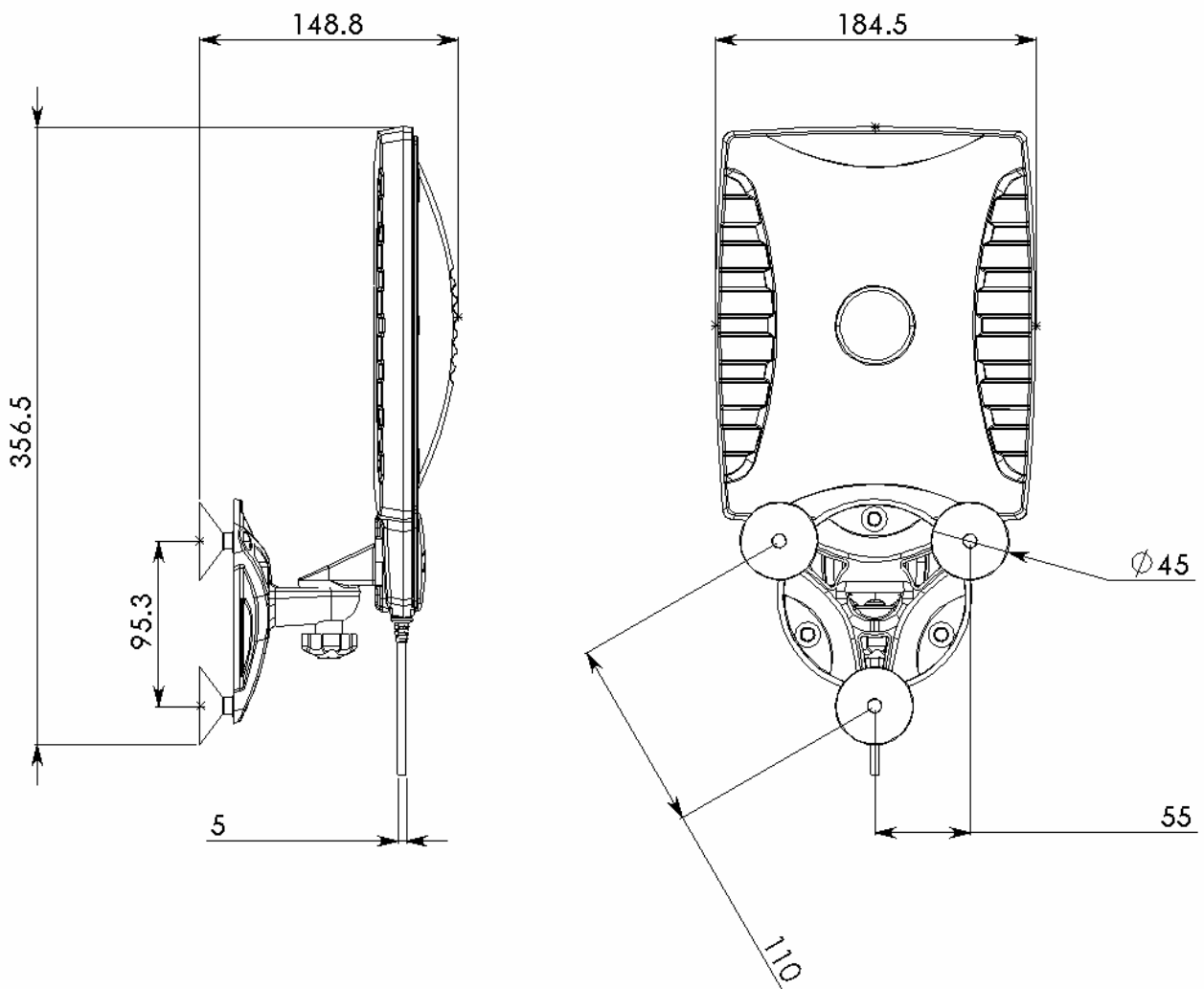




Cross-polar Radiation Patterns



Mechanical Drawings



All dimensions in mm