



12dBi Quad Patch (iBurst Panel)

Operating Frequency - 1780-1800 MHz

Product code: A-PANL-0010



This high gain directional antenna is developed for the iBurst 1780 to 1800 MHz band and is ideal for client. The antenna has been designed for outdoor usage. Mounting brackets allow it to be either wall or pole mounted.

Features:

1780 – 1800 MHz Frequency Range

Pole mount or Wall mount

Easy installation

Application:

iBurst

Clients in low signal areas

Improve data rates

Specifications:

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5 m HDF 195 with SMA(m) connector

Electrical:

Gain (max) 12 dBi (+-0.5 dB)
 Gain (min over the band) 11 dBi (+-0.5 dB)
 Frequency 1780 - 1800 MHz
 VSWR < 2.0:1
 Feed power handling 10 W
 E-plane 3 dB beamwidth 40° (± 5°)
 H-plane 3 dB beamwidth 40° (± 5°)
 Front to back (F/B ratio) 15 dB (± 3 dB)
 Nominal input impedance 50 Ohm
 Polarisation Linear

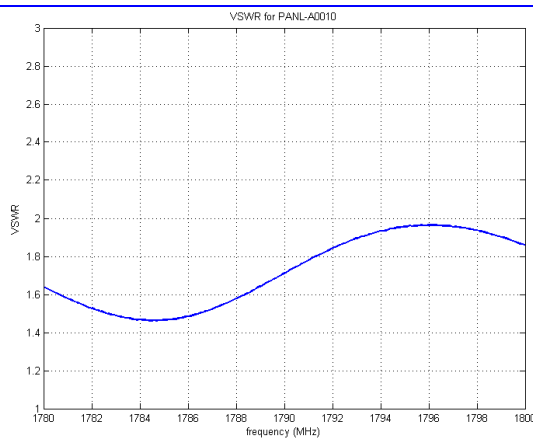
Environmental:

Wind Loading 160 km/h
 Temperature Range - 20° C to +70° C
 Shock 40G at 10 msec
 Thermal Shock - 20° C to +70° C : 10 cycles
 Water Ingress Rating IP65 (NEMA 4X)

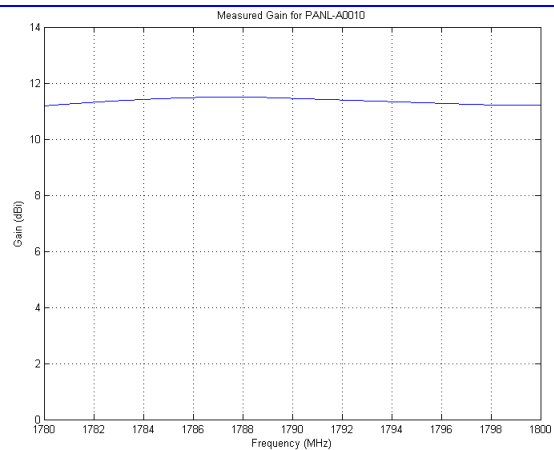
Mechanical:

Dimensions (l x w x d) 364 mm x 258 mm x 98 mm
 Weight 2.44 kg
 Mounting Stainless steel brackets for up to 50 mm poles

VSWR and Gain Pattern:

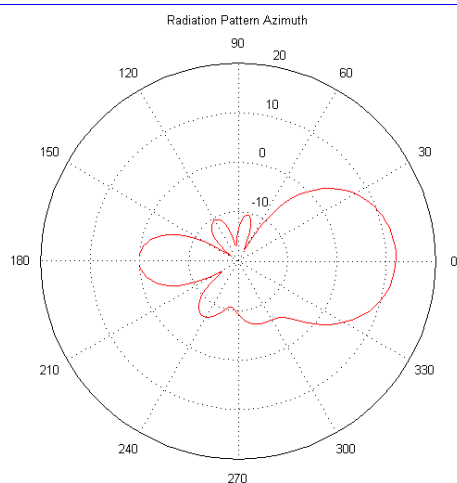


VSWR

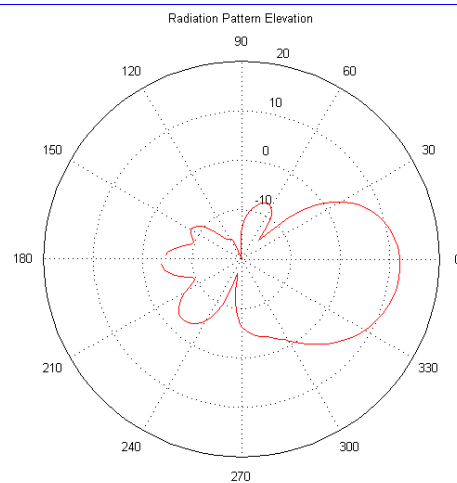


Gain

Radiation Patterns



E-Plane



H-Plane