



8dBi Patch Antenna

Operating Frequency - 2.4-2.5 GHz

Product code: Product Code PATCH-A0024



This antenna covers the 2.4 to 2.5 GHz frequency band. The antenna has been design to be waterproof and is easy to install. It is ideal for indoor and outdoor use and is most applicable to extending the range of wireless access points indoors as it reduces the negative effects of multipath interference. It is also ideal as a low cost client antenna for WiFi applications and comes with a range of standard connector types.

The antenna comes standard with all fasteners required for wall mounting. A separate bracket kit (BRKT-009) can be ordered that allows it to be mounted on a mast.

Features:

- Compact
- Waterproof
- Wall mounting swivel bracket

Application:

- Short range WiFi point-to-point solutions
- Indoor WiFi performance booster
- Range extension for AP and wireless clients



Specifications:

Product Code:

Product Code PATCH-A0024	0.3 m RG 58 with N(f) connector
Product Code PATCH-A0024-01	1.8 m RG 58 with RP SMA (f-inner) connector
Product Code PATCH-A0024-02	0.6 m RG 58 with SMA(m) connector

Electrical:

Gain (max)	9 dBi (+-0.5 dB)
Gain (min over the band)	8 dBi (+-0.5 dB)
Frequency	2400 - 2500 MHz
VSWR	< 1.5:1
Feed power handling	10 W
E-plane 3 dB beamwidth	55° (± 5°)
H-plane 3 dB beamwidth	65° (± 5°)
Front to back (F/B ratio)	20 dB (± 3 dB)
Nominal input impedance	50 Ohm
Polarisation	Linear (Vertical or Horizontal)

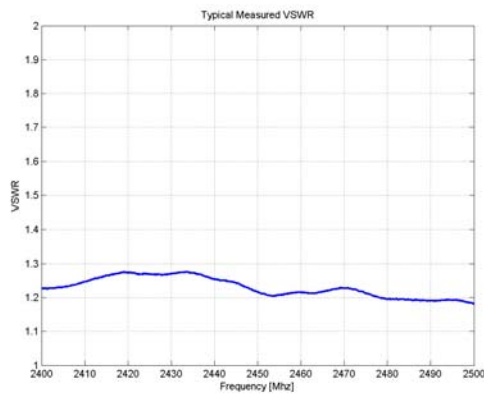
Environmental:

Wind Loading	160 km/h (using BRKT-009)
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)

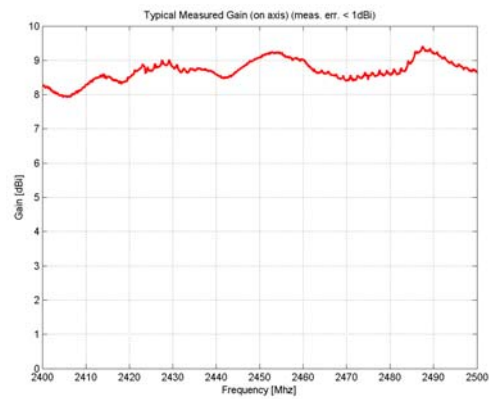
Mechanical:

Dimensions (l x w x d)	92 mm x 92 mm x 26 mm
Weight	112g
Mounting	Wall mounting Mast mounting (BRKT-009)

VSWR and Gain Pattern:

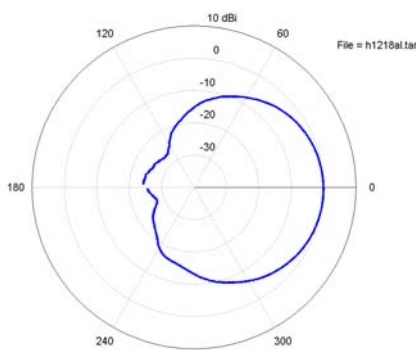


VSWR

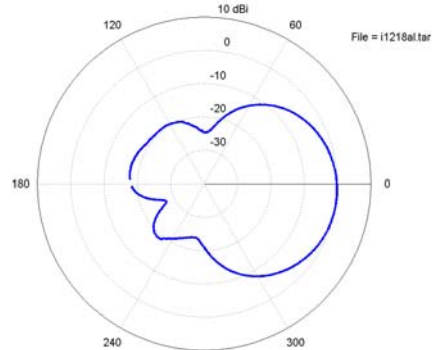


Gain

Radiation Patterns



E-Plane



H-Plane