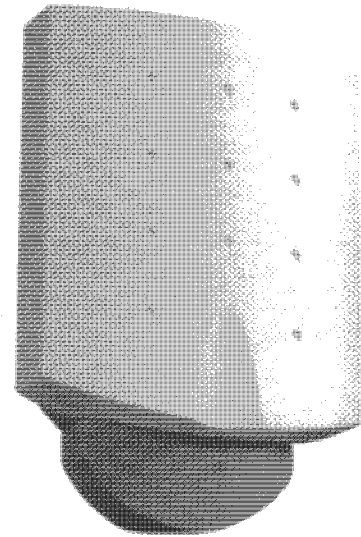
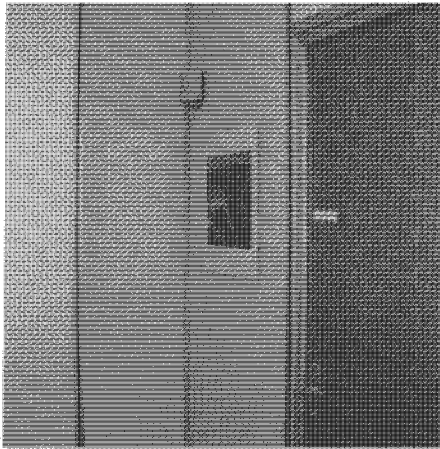


# Pico Cell Base Station

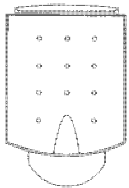
Global RF Solution.  
One Source : from the Antenna to the PCB

## External patch antennas

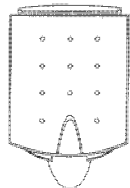
- Wide bandwidth
- Versatile mounting systems
- Aesthetically compatible into most any environment
- Small volume



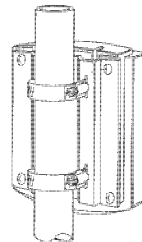
DCS 1800 MHz



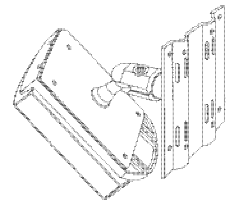
Standard wall mount



Articulating mount



Mast mount bracket



Universal mount bracket

RADIALL antennas feature high performance in a small volume.

RADIALL molded patch antennas combine aestheticity with performance, versatility and low cost technology. The antenna is housed in a weatherized solid radom enough to be mounted outdoors, but attractive enough to blend into any office or home decor.

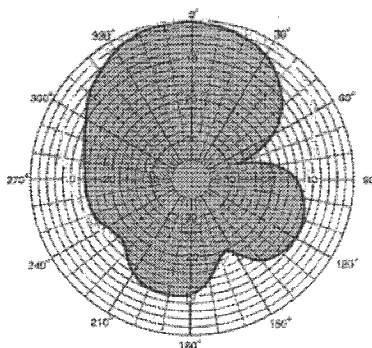
RADIALL patch antennas are characterized by easy installation due to aesthetically integrated mounting hardware that allows the antenna to be articulated by  $\pm 30$  degrees in one plane. The typically wide beamwidth of the patch antenna, in combination with the articulating feature, results in the antenna obtaining optimum coverage.

Part Number	R380.400.000	R380.400.001	R380.400.002	R380.400.003
Antenna type	External patch	External patch	External patch	External patch

Electrical specifications				
Operating frequency range	1710 - 1880 MHz	1710 - 1880 MHz	1710 - 1880 MHz	1710 - 1880 MHz
Nominal impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.5 : 1 max	1.5 : 1 max	1.5 : 1 max	1.5 : 1 max
Gain	7.5 dBi	7.5 dBi	7.5 dBi	7.5 dBi
Horizontal plane beamwidth (-3 dB)	80°	80°	80°	80°
Vertical plane beamwidth (-3 dB)	55°	55°	55°	55°
Polarisation	Linear Vertical	Linear Vertical	Linear Vertical	Linear Vertical
Power input	50 W	50 W	50 W	50 W

Mechanical specifications				
Operating temperature	-40°C to +90°C	-40°C to +90°C	-40°C to +90°C	-40°C to +90°C
Mounting	Standard wall	Articulating wall (horizontal ± 30°)	Mast bracket	Universal bracket
Dimensions	145 x 95 x 30 mm	145 x 95 x 30 mm	145 x 95 x 30 mm	145 x 95 x 30 mm
Plastic radom	UV resistant enclosure	UV resistant enclosure	UV resistant enclosure	UV resistant enclosure
Ingress protection	IP 54	IP 54	IP 54	IP 54
Connector	Pigtail SMA or TNC	Pigtail SMA or TNC	Pigtail SMA or TNC	Pigtail SMA or TNC

Horizontal



Vertical

