



Button Patch Antenna



Deluxe Pole/Wall Mount option

## Button Patch Antennas (Pat.Pnd.)

Models for 2.4 - 6 GHz

- Small weatherproof radome; perfect for in-building & outdoor coverage
- Models for 802.11b/g WiFi, 3.5 GHz, and 802.11a (5.2/5.8 GHz)
- Semi-hemisphere radiation pattern for easy installation
- Unique design provides high performance at an economical price

Mobile Mark's Button Patch Antennas are excellent for WiFi 3.5 GHz WiMAX and 5 GHz telemetry. They have features that make them invaluable, solving many of the problems normally associated with these higher frequencies.

The antennas use unique designs that provide significant improvements in efficiency while being very economical. VSWR performance is maintained across the operating bandwidth. The antennas provide near hemispherical energy radiation, resulting in broad area coverage, yet maintaining directivity and isolation.

The Button Patch is only 2 1/2" diameter (64 mm). It also is enclosed in a weather tight ASA plastic radome, with a smooth finish. The antennas are supplied in white.

They economically mount using double-sided tape. They terminate with 6" of RG-188 cable (152 mm), and a male SMA. Additional jumpers can be provided. The antennas are usable both indoors & outside. An optional bracket allows pole and wall mounting of the Button Patch.

The antennas come in a variety of gain configurations, depending on the frequency of operation. Please refer to model chart for exact gain & frequency.

The Button Patch antennas mount using industrial double sided tape. Because they have broad beamwidth, angle adjustment is usually not necessary. An optional deluxe pole/wall mount assembly kit is also available.

### Model Number

Models	Freq	Description
BP5-2400	2.4-2.49 GHz	5 dBi Button Patch
BP7-3500	3.4-3.70 GHz	7 dBi Button Patch
BP7-5250	5.15-5.35 GHz	7 dBi Button Patch
BP7-5725	5.72-5.83 GHz	7 dBi Button Patch
BP10-5500	4.90 -5.85 GHz	10 dBi Button Patch
BP-MK	N/A	Pole/Wall Mount option

All antennas supplied with 6" (152 mm) of RG-188 and male SMA. For other connectors including reverse polarity, or cable configurations, please consult factory.

### Specifications

<b>Frequency:</b>	See above
<b>Gain:</b>	See above
<b>Bandwidth@2:1 VSWR:</b>	See Freq above
<b>Impedance:</b>	50 Ohm nominal
<b>Maximum Power:</b>	50 Watts
<b>Beamwidth:</b>	
BP5-2400	80° Az, 80° El
BP7-3500	75° Az, 53° El
BP7-5250	80° Az, 60° El
BP7-5725	80° Az, 60° El
BP10-5500	60° Az, 60° El
<b>Front-to-Back ratio:</b>	15 dB
<b>Operating Temp:</b>	-40° to +85° C

<b>Lightning Protection:</b>	External recommended
<b>Radome Size:</b>	2 1/2" Dia x 0.75" Depth (64 mm Dia x 19 mm Depth)
<b>Rated Wind Velocity:</b>	125 mph+ (200 kph)
<b>Antenna Radome:</b>	ASA plastic
<b>Weight:</b>	0.5 lbs (0.25 kg)
<b>Mounting:</b>	Fixed double sided tape, surface mount, optional deluxe pole/wall mount kit is available
<b>Termination:</b>	6" (152 mm) RG-188, male SMA connector

# BP7-3500 Antenna

Button Patch Antenna

7 dBi, 3.4 – 3.7 GHz

These plots can be used  
for the following models:

**BP7-3500**

