



Figure 1

Model	S 2406BFNM
Frequency GHz:	2.4- 2.5
Gain dBi:	8
VSWR:	1.5:1
E-Plane (3 dB beamwidth):	14°
H-Plane (3 dB beamwidth):	Omnidirectional
Polarization:	Linear Vertical
Enclosure:	UV-stable fiberglass
Antenna Weight oz. (kg):	0.45(0.20)
Power (Watts):	50
Mounting:	Direct Mount to access point /pole-mount
Dimensions in.:	19.5" x 0.9"

LIMITED WARRANTY

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

WARRANTY AND LIABILITY

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S2406BFNM

2.4 - 2.5 GHz Antenna

ASSEMBLY AND INSTALLATION INSTRUCTIONS



Please read all instructions carefully before attempting to install and use this product.

SAFETY

The **S2406BFNM** and all associated equipment should be installed in accordance with all applicable local and national electrical code guidelines to ensure safe operation.

APPLICATION

The Cushcraft **S2406BFNM** is a 2.4-2.5 GHz omnidirectional collinear array especially designed to compliment exterior wireless systems. An integrated male N-connector is imbedded in the antenna base for direct mounting to access point (AP) equipment. The S2406BFNM may also be pole-mounted when separation from the AP is required for optimal positioning or wider coverage. Special venting permits either upright or inverted orientation and rugged construction ensures survival under high winds and extreme weather conditions.

LOCATION

For best results, mount the S2406BFNM and its associated AP equipment near the center of the desired coverage area and above nearby obstructions. A line-of-sight path between the antenna and active locations generally works best. Although 2.4 GHz signals may easily penetrate windows and other selected building materials, dense structural barriers such as reinforced concrete and steel attenuate signals rapidly and may cause multipath, a condition where reflected signals interfere with the primary signal. Avoid mounting next to any obstruction that could create a shadow zone of reduced coverage in a critical area.

INSTALLATION

The S2406BFNM typically mounts directly to the 2.4 GHz-output connector located on the AP unit. However, it may also be fed by coaxial cable terminated in a N-female in-line connector and mounted on a support pipe using the supplied OMNIMT-HK mounting kit (See Figure-1).

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