

BPN942

BASE STATION PRIVATE NETWORK ANTENNA

PRODUCT OVERVIEW

The 7-cable BPN942 antenna includes 4x Sub-6 5G LTE elements, 2x WiFi 6E elements and 1x GPS element.

The MIMO Cellular antenna elements covers: 617-960 & 1710-6000 MHz. Cellular coverage includes these bands: CBRS (Citizen Band Radio Service) at 3.55-3.7 GHz, Band 71 at 617-698 MHz, & FirstNet Band 14.

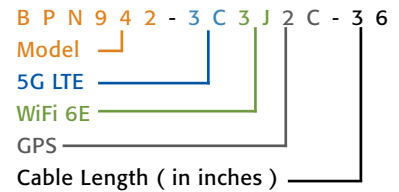
The dual band WiFi 6E element covers both 2.4-2.5 GHz and 4.9-7.2 GHz.

This model is configured with GPS. Specify BPNG942 for a model configured with GNSS.

The standard cable length is 3 feet (0.91 m); other cable length options are available. In addition, the built-in pole mount base slides over a 1.25" pipe and is secured with set screws. A mounting kit with bracket is available upon request.

Electrical Specifications		
Frequency & Gain	5G LTE Cables 1 - 4	617 - 960 MHz, 3 dBi 1710 - 6000 MHz, 4 dBi
	WiFi 6E Cables 5 & 6	2.4-2.5 GHz, 3 dBi 4.9-7.2 GHz, 4 dBi
	GPS Cable 7	1575 MHz, LNA 26 dB, 5 dBi
VSWR	< 2:1 VSWR Over Range	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GPS	Amplifier Gain	26 dB, 5 dBi
	Amplifier Bias Voltage	3.3/ 5 VDC
	Noise Figure	2.0 dB max, 1.5 dB typical
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in WHITE
Radome Dimension	6.55" (166 mm) in Diameter 5.77" (146 mm) in Height
Standard Connectors	SMA Plugs (Male) for 5G LTE & GPS Rev Pol SMA Plugs for WiFi 6E
WiFi6e & 5G Cables 1 - 6	Separate LL-195, 3 ft (0.91 m)
GPS Cable 7	RG-174, 3 ft (0.91 m)
Operating Temperature	-40° to +80° C
Mounting Options	Aluminum Pipe Mount to Fit 1.25" (34 mm) Pipe or Mounting Kit with Bracket is Available Upon Request



HIGHLIGHTS:

- 7-Cable Multiband:
- 4x 5G Sub-6, 2x WiFi 6E, 1x GPS
- 5G LTE Covers 617 - 6000 MHz Including CBRS & Band 71
- Compact; Less than 6" Tall
- Made-in-the-USA & UK

RELATED MODELS:

- BPN941
(Configured with 1x WiFi 6E)
- BPN940
(No WiFi)
- BPNG942
(GNSS Model)

COMMON APPLICATIONS:

- Fixed Site Antenna
- Private Networks
- Multiband Modems