

# Specifications



## CP BEAM™

High Gain Folding Helical Antenna

The CP Beam Antenna is a lightweight circularly polarized beam antenna designed to be used with IEMs, wireless microphone systems, and other UHF communication devices.

To use, disconnect straps and extend CP Beam. Connect coaxial cable to receiver, transmitter, or antenna combiner. Mount antenna on stand.

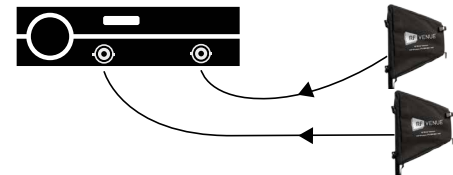
To store, compress antenna and attach straps to hold as shown.



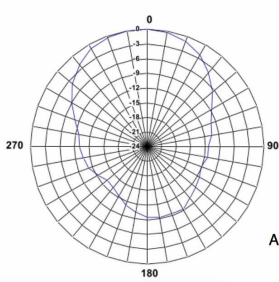
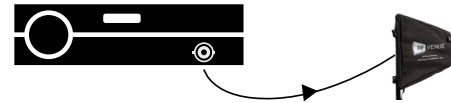
SKU **CPB** Includes:  
 CP Beam Antenna  
 N-BNC Adapter  
 Stand mount bracket



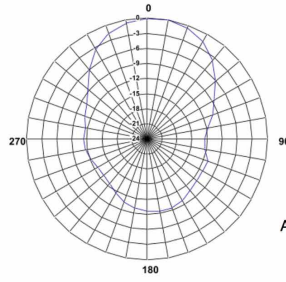
Diversity Receive Configuration  
 Diversity Receiver



IEM Transmitter Configuration  
 Transmitter



Azimuth Y



Azimuth X

### Electrical

Operating frequency .....	470–698 MHz
Bandwidth .....	228 MHz
Average return loss .....	-13.15 dB
Impedance .....	50Ω
Pattern type .....	Beam
Polarization .....	RHCP

### Azimuth X

Beam width .....	63°
F/B ratio .....	-10 dB
F/S ratio .....	-12 dB

### Azimuth Y

Beam width .....	70°
F/B ratio .....	-9 dB
F/S ratio .....	-12 dB
Squint .....	< 2 dB
Gain .....	9 dBd

### Physical

Length .....	355mm / 14"
Height .....	355mm / 14"
Weight .....	1100g / 2.5lb
Mount threads .....	1/4-20, 3/8-16, 5/8-27
Operating temperature .....	-23–54°C / -9–130°F
Color .....	Black fabric
Connector(s) .....	N female (BNC supplied)