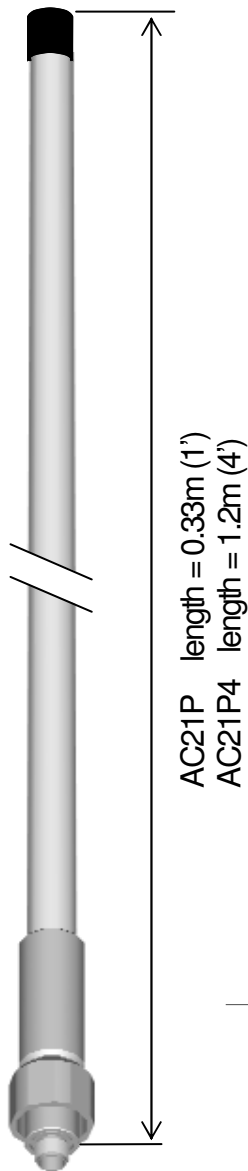
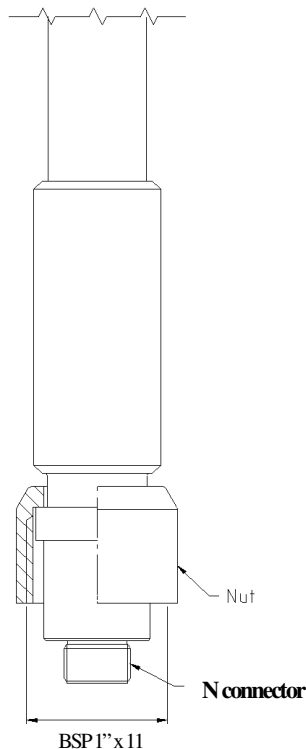


COMROD AC21P

Multi Band Cellular and WLAN Antenna



AC21P length = 0.33m (1')
 AC21P4 length = 1.2m (4')



Application:

AC21P is a broad band antenna for cellular phones, and it covers systems such as 3G, 4G and wireless LAN. Available in two lengths , 0.3m and 1.25m. The antenna is omnidirectional. It is a high quality antenna with a durable construction and a beautiful finish for installation on all kind of vessels.

Electrical specifications:

| | |
|-------------------|----------------------------|
| Frequency range | 806-960MHz 1710-2690MHz |
| VSWR | See diagram, overleaf |
| Nominal impedance | 50 ohm |
| Power rating | 20W |
| Gain | See diagram, overleaf |
| Polarization | Vertical |
| Connector | N female |

Mechanical specifications:

| | |
|-------------------|--|
| Design | Dipole with a coaxial choking sleeve to suppress cable radiation. Radiating elements completely enclosed in polyurethane foam within a fiberglass tube. |
| Height | AC21P: 0.33m AC21P4: 1.2m |
| Weight | AC21P: 0.5 kg |
| Wind rating | 55 m/s = 125 mph |
| Finish | Polyurethane lacquer, white |
| Temperature range | -40°C, +50°C;+ -28 °F, +122°F |

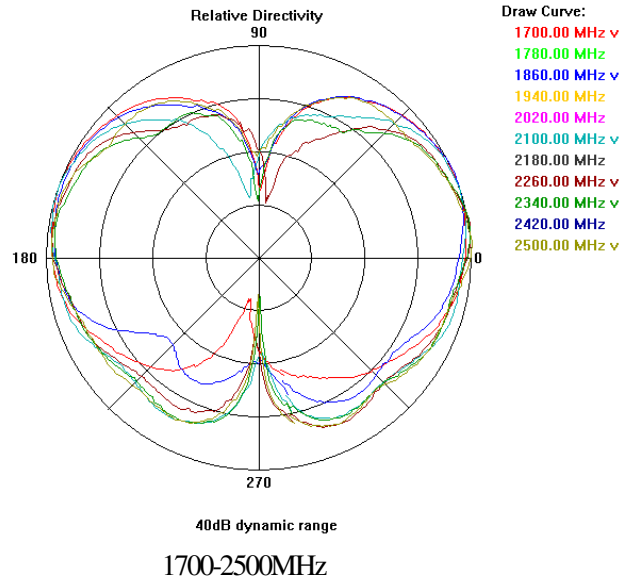
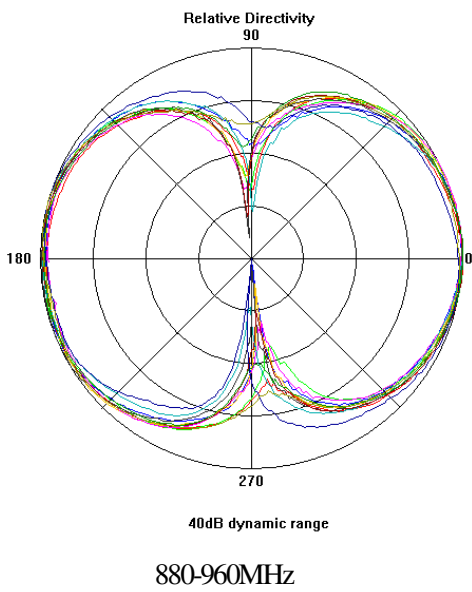
Mounting:

The AC21P is fitted with BSP1"x11 female ferrules.
 Can be used with all standard mounting accessories.
 BSP: British Standard Pipe

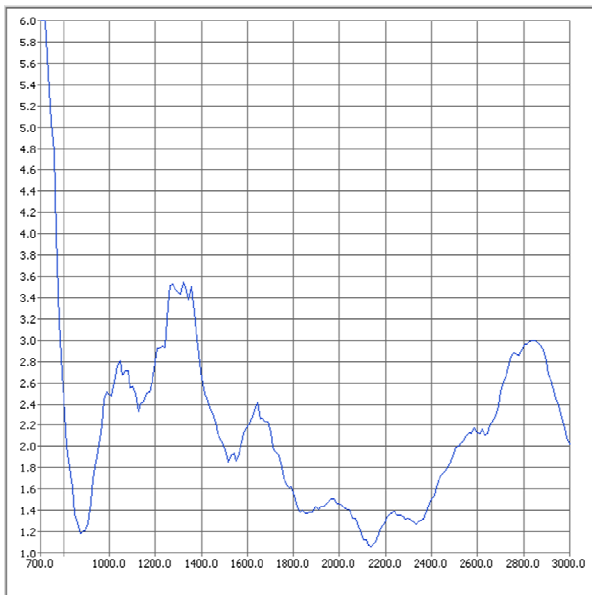
Communication systems covered :

| | |
|-----------------------|------------------------|
| 3G | 824-960 / 1710-2170MHz |
| 4G | 824-960 / 1710-2690MHz |
| TDMA, CDMA | 824-897 / 1850-1990MHz |
| GSM 900 / 1800 | 860-960 / 1710-1990MHz |
| UMTS ,WCDMA, PCS-1900 | 1850-2170MHz |
| EDGE | 860-960 / 1710-1990MHz |
| DECT | 1880-1900MHz |
| WLAN 802.11b-h | 2.4-2.5GHz |
| ZigBee | 868-928MHz /2.4-2.48Gz |
| SMR iDEN | 806-869MHz |
| Bluetooth | 2.4-2.48GHz |

Typical radiation diagram, Elevation:



Typical VSWR curve



VSWR < 2 for: 820-940 and 1790-2500MHz
 VSWR < 2.5 for: 800-1010 and 1420-2700MHz

Gain curve versus frequency

