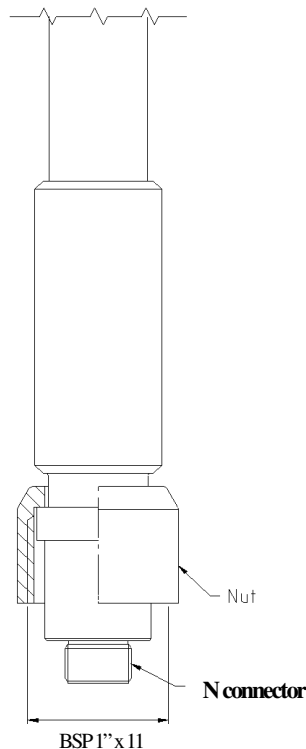
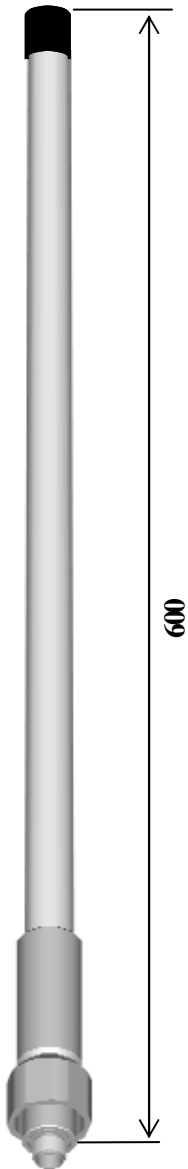


COMROD AC21P2

Multi Band Cellular and WLAN Antenna



Application:

AC21P2 is a broad band antenna for cellular phones and wireless LAN. 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	820-960MHz 1710-2500MHz
VSWR	≤2.2
Nominal impedance	50 ohm
Power rating	20W
Gain	See curve
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	0.55m
Weight	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:

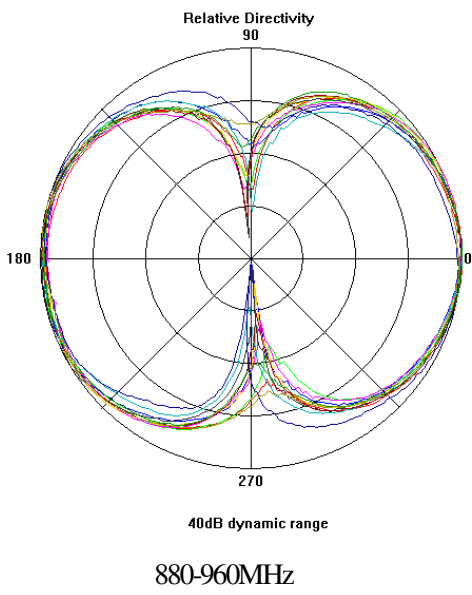
The AC21P2 is fitted with BSP1"x11 female ferrules.
 Can be used with all standard mounting accessories.

BSP: British Standard Pipe

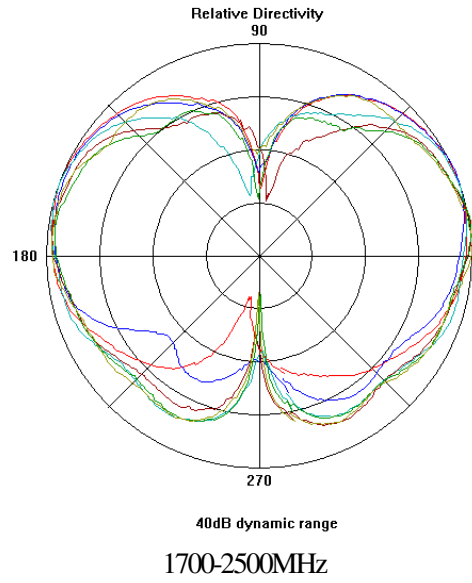
Communication systems covered :

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
Bluetooth	2.4-2.48GHz

Typical radiation diagram, Elevation:

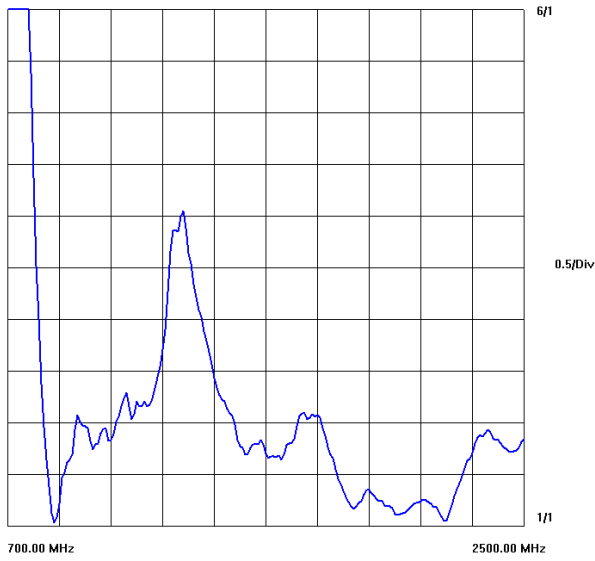


- Draw Curve:
- 880.00 MHz v
 - 888.00 MHz v
 - 896.00 MHz v
 - 904.00 MHz v
 - 912.00 MHz v
 - 920.00 MHz v
 - 928.00 MHz v
 - 936.00 MHz v
 - 944.00 MHz v
 - 952.00 MHz v
 - 960.00 MHz v

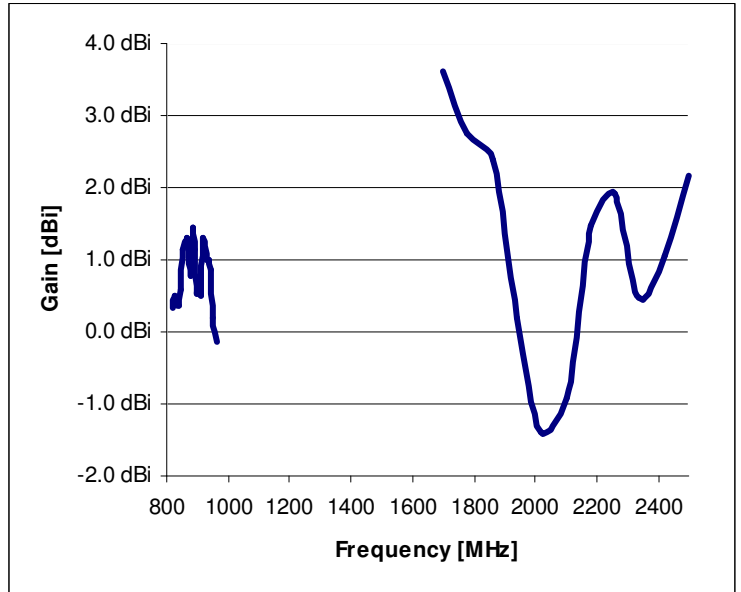


- Draw Curve:
- 1700.00 MHz v
 - 1780.00 MHz v
 - 1860.00 MHz v
 - 1940.00 MHz v
 - 2020.00 MHz v
 - 2100.00 MHz v
 - 2180.00 MHz v
 - 2260.00 MHz v
 - 2340.00 MHz v
 - 2420.00 MHz v
 - 2500.00 MHz v

Typical VSWR curve



Gain curve versus frequency



VSWR < 2 for : 820-940 and 1790-2500MHz
 VSWR < 2.5 for : 800-1220 and 1420-2500MHz