

# **FULL BAND GPRS MOBILE ANTENNA MAGNETIC BASE**

**AP8900 - AP89001**



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# FULL BAND GPRS MOBILE ANTENNA MAGNETIC BASE

The **AP8900** antenna optimizes equipment performance for mobile communication systems in the GSM (850-900 MHz and 1800-1900 MHz), 3G (850-900 MHz, 1700-1900 MHz and 2000-2100 MHz), 4G (700-900 MHz, 1800-2000 MHz and 2500-2700 MHz) and 5G (700 MHz, 2300-2400 MHz and 3300- 3700 MHz) bands with  $VSWR \leq 2:1$ . This antenna also serves communication systems operating in the ISM band, such as LoRa (902-908 MHz and 915-928 MHz), Zigbee (2400-2500 MHz), Wi-Fi (2400-2500 MHz) and Bluetooth (2400-2500 MHz).

The product is compatible with all trackers and all mobile carriers. It has a high-efficiency magnetic base and a flexible rod, allowing use under severe conditions. It is ideal for portable stations, offering versatility and excellent cost-effectiveness.

This antenna is available in the following versions:

**AP8900** - 5 m coaxial cable RG 174 95% shield with male SMA connector

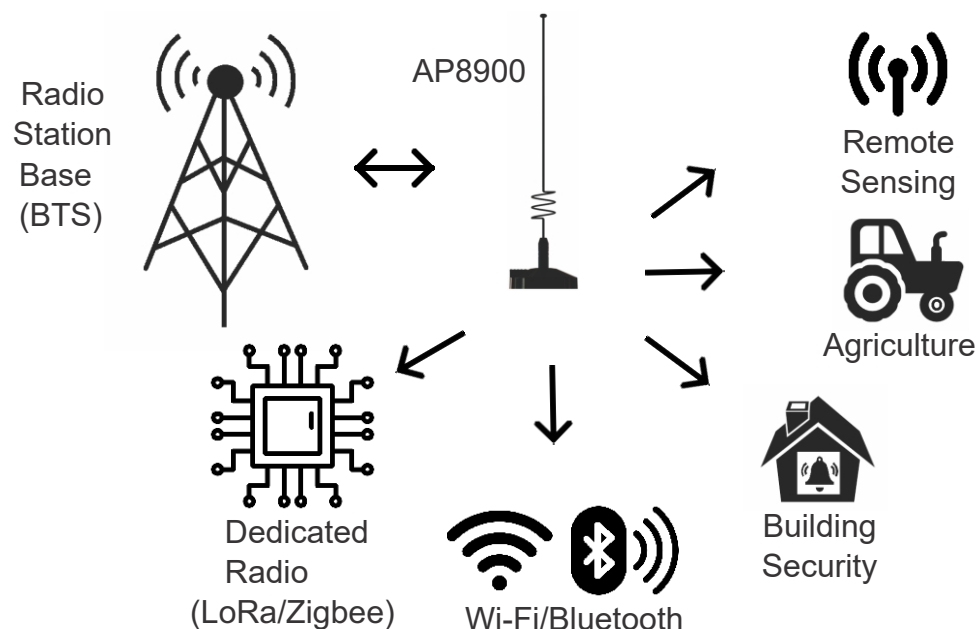
**AP89001** - 3 m coaxial cable RG 58 95% shield with male TNC connector

| FREQUENCY<br>(MHZ) | GAIN<br>(DBI) |
|--------------------|---------------|
| 600                | 1,7           |
| 700                | 4,0           |
| 850                | 3,8           |
| 860                | 3,8           |
| 900                | 3,2           |
| 930                | 3,2           |
| 1700               | 7,4           |
| 1800               | 7,7           |
| 1900               | 8,0           |
| 2000               | 7,0           |
| 2100               | 7,5           |
| 2400               | 6,9           |
| 2500               | 6,6           |
| 2700               | 8,4           |
| 3700               | 8,4           |
| 4000               | 7,9           |

| SPECIFICATIONS |                |
|----------------|----------------|
| FREQUENCY      | 650 - 2700 MHz |
| MAXIMUM POWER  | 50 W           |
| IMPEDANCE      | 50 $\Omega$    |
| VSWR           | $\leq 2,5:1$   |
| HEIGHT         | 455 mm         |
| WEIGHT         | 78 g           |

## TECHNICAL DATA

### APPLICATION EXAMPLES



**EXAMPLE:** VSWR chart of a AP8900 Antenna

