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## Multi Frequency Band Antennas

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- Vehicle tracking
- Asset tracking
- GPS Navigation
- Wifi
- Bluetooth
- Telemetry

ADA-0400/1400 is a range of multi- frequency antennas for GSM, 3G, GPS and Wifi. The ADA-0400/1400 antennas are available in centre bolt, magnet mount as well as tape mount versions.

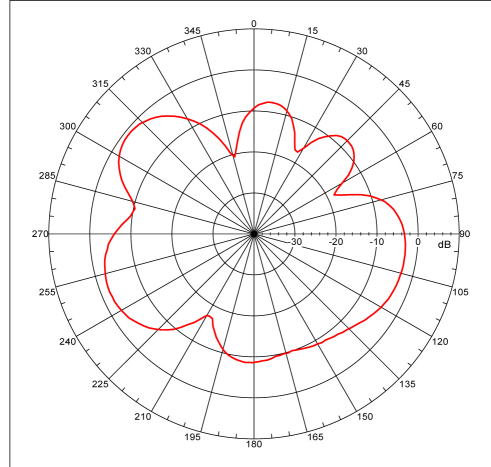
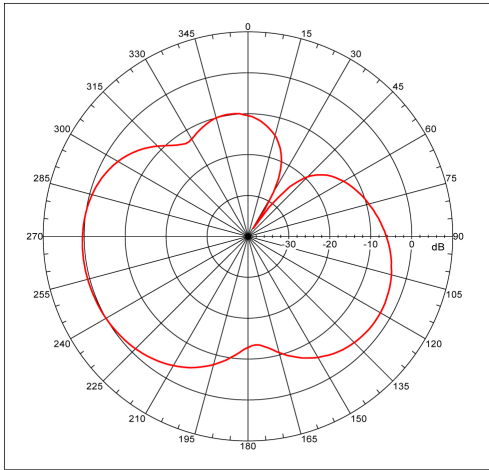


**RoHS**

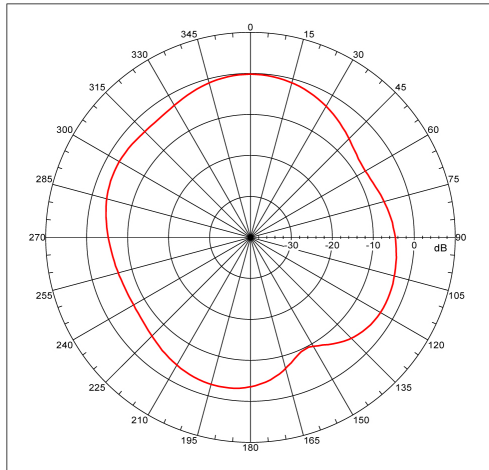
## Specification

| Category                 | GPS   |
|--------------------------|---|
| Frequency                | 1575.42 MHz   |
| Polarization             | R.H.C.P.  |
| Power Gain               | Typ. 27 dB  |
| Noise figure             | Max 1.8   |
| Attenuation              | Min. 20 dB @ $F_o \pm 50$ MHz   |
| Bandwidth                | 2 MHz   |
| Output Impedance         | 50 $\Omega$   |
| VSWR                     | $\leq 2.0$  |
| Supply Voltage / Current | 3.0 – 5.5 VDC / 12 mA   |
| RF Cable                 | Standard 3 m RG174/U with standard connector  |
|                          | <b>GSM/UMTS/2400</b>  |
| Frequency                | 824 ~ 894 MHz (GSM 850MHz)<br>890 ~960 MHz (GSM 900MHz)<br>1710 ~1890 MHz (GSM 1800MHz)<br>1850 ~ 1990 MHz (PCS 1900MHz)<br>1922 ~ 2170 MHz (3G 2100 MHz)<br>2400 ~ 2483 MHz (2400 MHz) |
| Polarization             | Vertical Linear   |
| Gain                     | 850 MHz= 1.0 dBi    900 MHz= 1.0 dBi<br>1800 MHz= 1.0 dBi    1900 MHz= 1.0 dBi<br>2100 MHz= 0.0 dBi    2400 MHz= 0.0 dBi  |
| Impedance                | 50 $\Omega$   |
| VSWR                     | $\leq 2.0$  |
| Power                    | 10 W  |
| RF Cable                 | Standard 3 m RG174/U with standard connector  |
|                          | <b>Overall Performance</b>  |
| Size                     | 63 x 15.6 mm (D x H)  |
| Mounting                 | Centre bolt 12,7 x 19mm, Magnetic or Tape   |
| Operating temperature    | -40 — +80 ° C   |
| Storage temperature      | -45 — +100 ° C  |

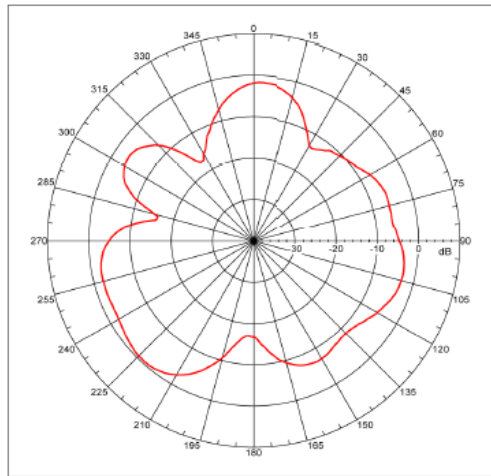
**850MHz**



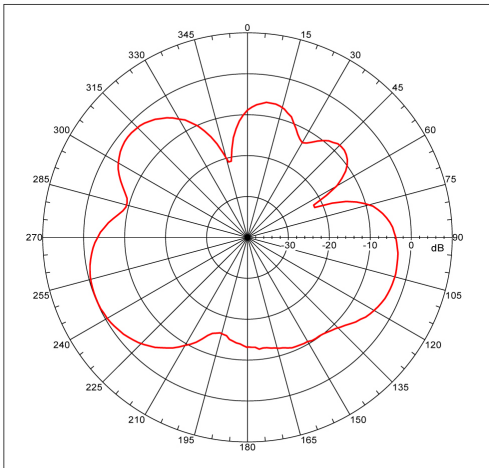
**900 MHz**



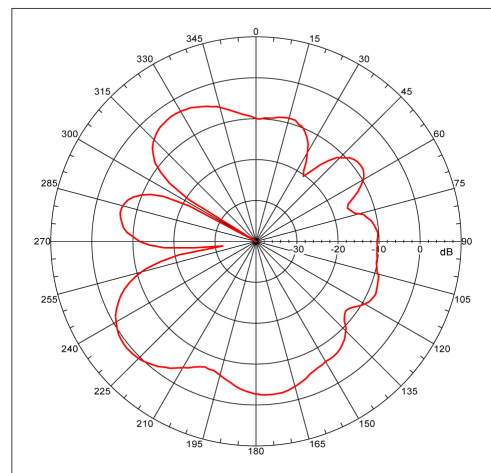
**2100 MHz**



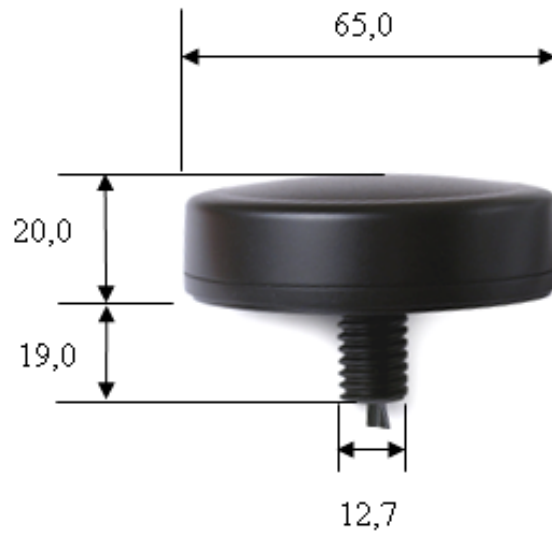
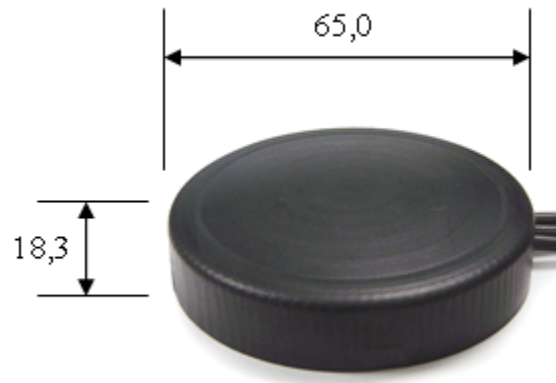
**1800 MHz**



**2400 MHz**



**1900 MHz**



## Ordering codes

| TYPE       | GPS | 850 | 900 | 1800 | 1900 | 2100 | 2400 | No of cables |
|------------|-----|-----|-----|------|------|------|------|--------------|
| ADA-0410-x |     |     | X   | X    |      |      |      | 1            |
| ADA-0420-x |     | X   |     |      | X    |      |      | 1            |
| ADA-0430-x |     | X   | X   | X    | X    |      |      | 1            |
| ADA-0440-x |     | X   | X   | X    | X    | X    |      | 1            |
| ADA-0450-x |     | X   | X   | X    | X    | X    | X    | 2            |
| ADA-0460-x |     |     |     |      |      |      | X    | 1            |
| ADA-1410-x | X   |     | X   | X    |      |      |      | 2            |
| ADA-1420-x | X   | X   |     |      | X    |      |      | 2            |
| ADA-1430-x | X   | X   | X   | X    | X    |      |      | 2            |
| ADA-1440-x | X   | X   | X   | X    | X    | X    |      | 2            |
| ADA-1450-x | X   | X   | X   | X    | X    | X    | X    | 3            |
| ADA-1460-x | X   |     |     |      |      |      | X    | 2            |
| ADA-1470-x | X   |     |     |      |      |      |      | 1            |

x = C for Centre bolt mount  
 S for Magnetic mount  
 T for tape mount

The antennas are delivered with different antenna cable lengths and different connectors. Contact Adactus or our distributor for a quote for any particular specification.

For the latest updates, visit our Web site: [www.adactus.se](http://www.adactus.se)

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