
Multi Frequency Band Antennas

- **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.

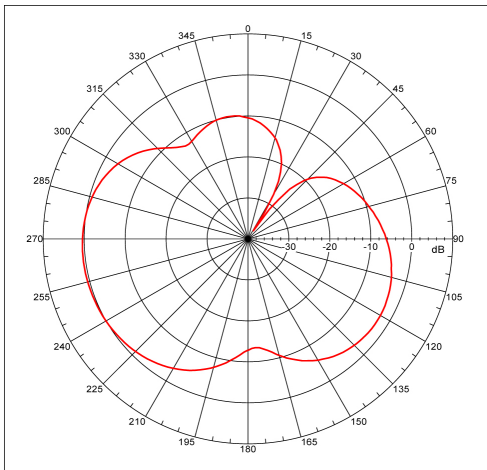


RoHS

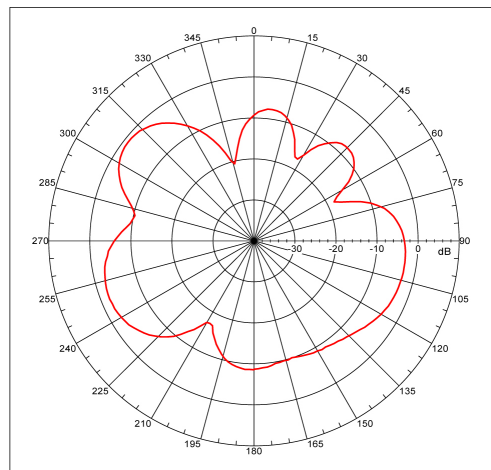
Specification

| 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 Ω |
| VSWR | ≤ 2.0 |
| Supply Voltage /Current | 3.0 – 5.5 VDC / 12 mA |
| RF Cable | Standard 3 m RG174/U with standard connector |
| | GSM/UMTS/2400 |
| Frequency | 824 ~ 894 MHz (GSM 850MHz) 890 ~ 960 MHz (GSM 900MHz) 1710 ~ 1890 MHz (GSM 1800MHz) 1850 ~ 1990 MHz (PCS 1900MHz) 1922 ~ 2170 MHz (3G 2100 MHz) 2400 ~ 2483 MHz (2400 MHz) |
| Polarization | Vertical Linear |
| Gain | 850 MHz= 1.0 dBi 900 MHz= 1.0 dBi 1800 MHz= 1.0 dBi 1900 MHz= 1.0 dBi 2100 MHz= 0.0 dBi 2400 MHz= 0.0 dBi |
| Impedance | 50 Ω |
| VSWR | ≤ 2.0 |
| Power | 10 W |
| RF Cable | Standard 3 m RG174/U with standard connector |
| | Overall Performance |
| 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 |

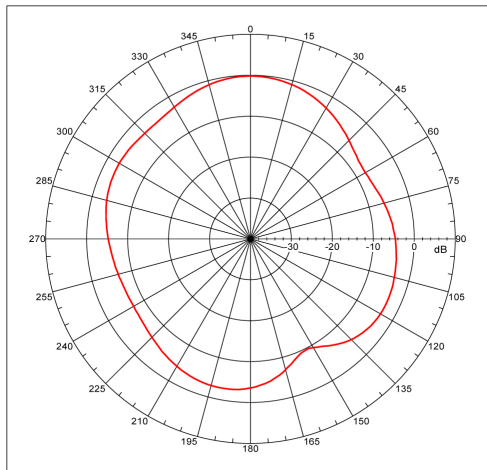
850MHz



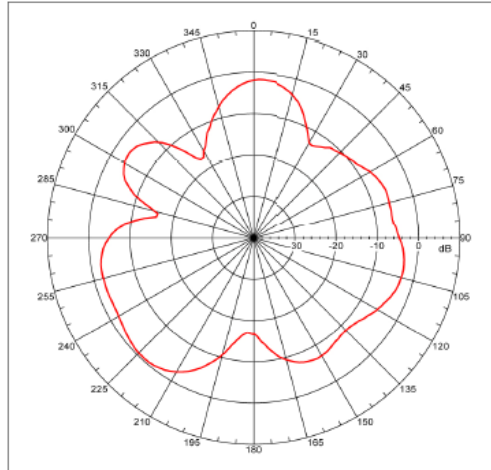
1900 MHz



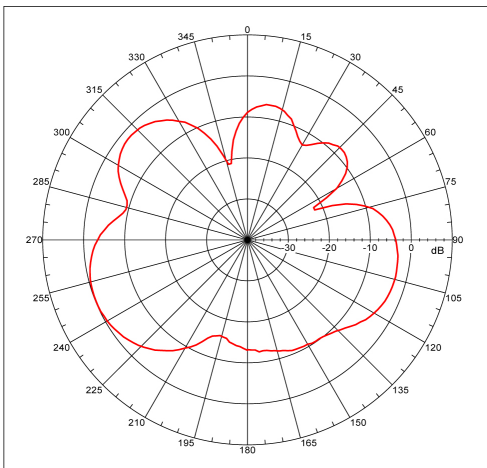
900 MHz



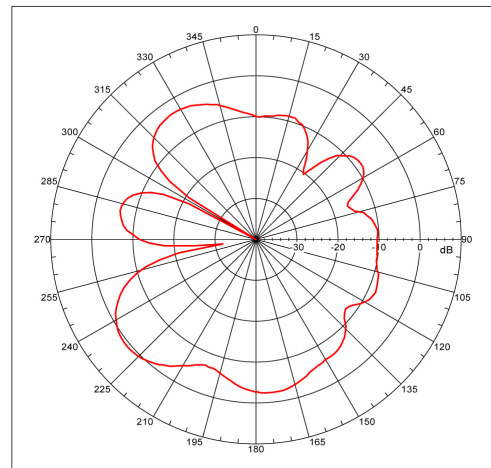
2100 MHz

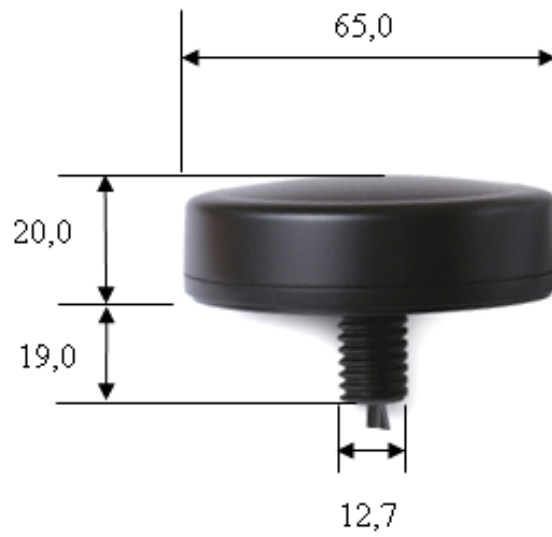
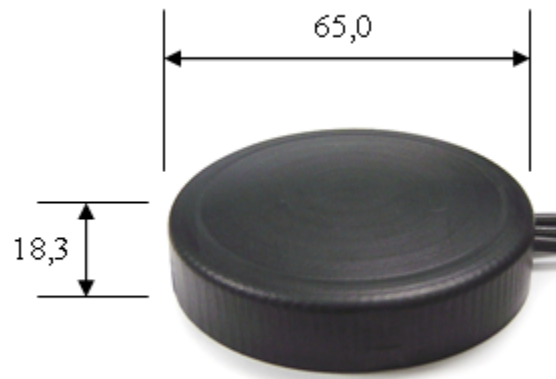


1800 MHz



2400 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.

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