# AD-21/45300

The antenna AD-21/45300 is broadband dipole mobile antenna intended for use with portable communication systems, broadband receivers and RF jamming. The antenna is covering frequency range from 450 to 3000 MHz. The antenna is composed of two parts.
First part is antenna radiator which is a sleeve dipole (''center-fed''). The radiator of the antenna is fully enclosed in a fiberglass radome. The radiator is also equipped with the flexible goose neck allowing the antenna to be bent in almost every position.
Other part of the antenna is a low profile magnet base. It is composed of aluminium housing and three neodymium magnets. The neodymium magnets are the strongest type of permanent magnet commercially available, the pull force of one magnet is 35 kg, so the base can be used in hardest enviroemental conditions and even on (MIL rough) thick painted vehicles. Magnet base has integrated coaxial cable lenght of 4 meters and ended with desirable coaxial connector.

**VERSIONS:**

**AD-21/45300-N**: broadband dipole antenna with N male connector
**AD-21/45300-F**: antenna with the fixed mount **ADN-21/N** for mobile applications
**AD-21/45300-M**: antenna with the magnet mount **ADM-21/N** for mobile applications

| | |
|---|---|
| Frequency range | 450 - 3000 MHz |
| Impedance | 50 ohms |
| VSWR | < 3,5:1 (see diagram) |
| Maximum power | 50 W CW |
| Polarization | Vertical |
| Gain | -5 ... +5 dBi (see diagram) |
| Radiation Pattern | Omnidirectional |
| Connector | N male |
| Height | 450 mm |
| Weight - antenna | 0.4 kg |
| Weight - magnet mount | 0.7 kg |
| Weight - fixed mount | 0.2 kg |
| Radome Diameter | 28 mm |
| Temperature range | - 40....+70 °C |



**Fixed mount**
**ADN-21/N**



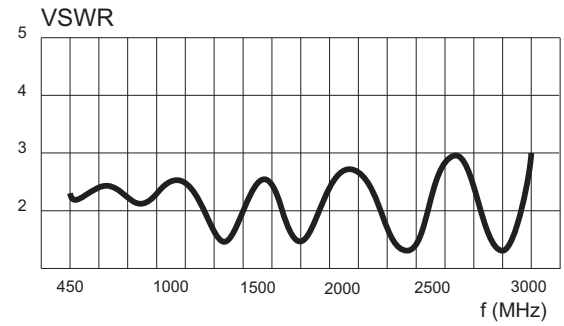
**Magnet mount**
**ADM-21/N**

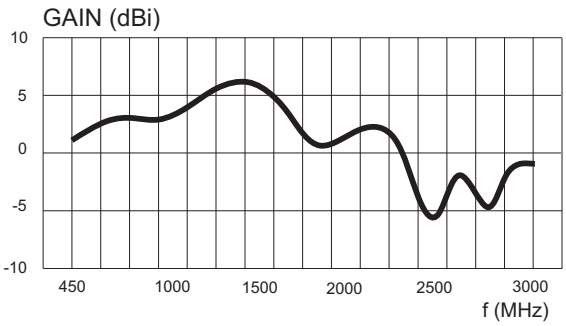


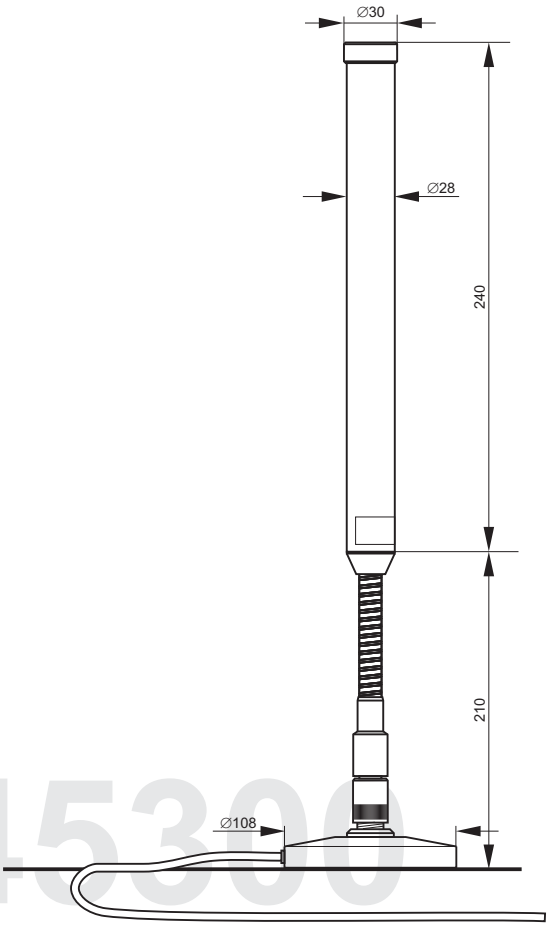
**Antenna**
**AD-21/45300-M**

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cyntony
customer attuned

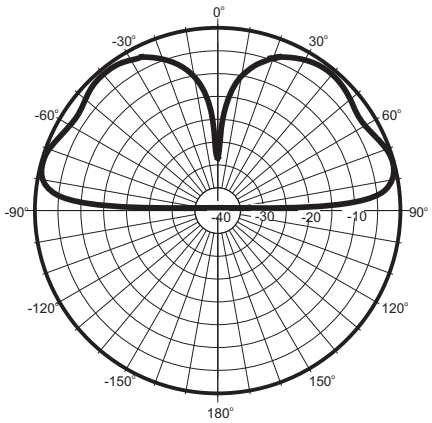


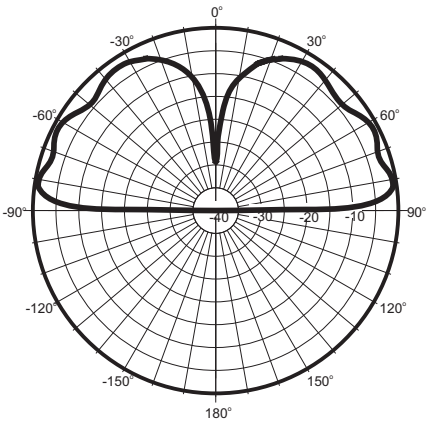




AD-21/45300

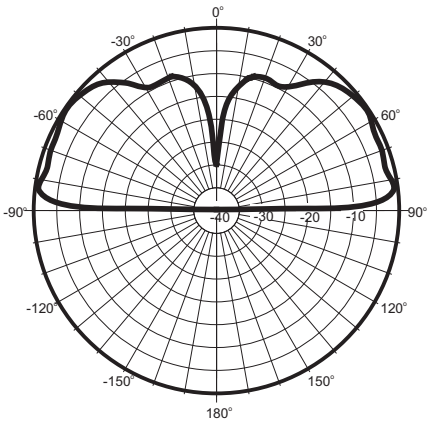
Rad. Pattern E-plane
Frequency: 0.5 GHz



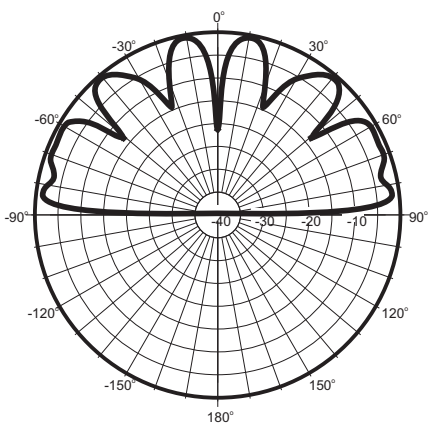

Rad. Pattern E-plane
Frequency: 1 GHz



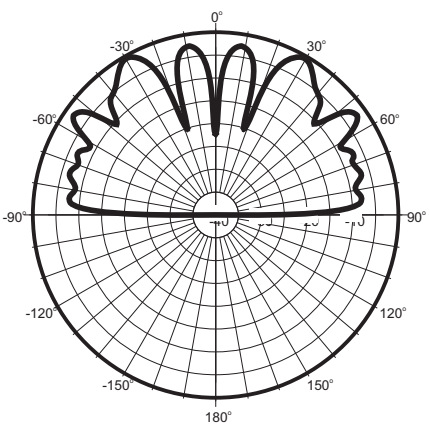

Rad. Pattern E-plane
Frequency: 1.5 GHz




Rad. Pattern E-plane
Frequency: 2 GHz




Rad. Pattern E-plane
Frequency: 2.5 GHz




Rad. Pattern E-plane
Frequency: 3 GHz

