

DATASHEET

UC-1614-341L Thuraya Antenna



Model UC-1614-341L, Thuraya Antenna, is a Quadrifilar Helix antenna measuring 4 cm/1.5" OD x 11 cm/4.5" H. It is designed for use on the Thuraya satellite network, covering much of Europe, Africa, the Middle East and part of Asia: Thuraya Coverage Map. This product may also be used as a Globalstar uplink antenna (Transmit band only), or as a combination Thuraya + Globalstar uplink antenna system. For a comparable worldwide solution, consider the Iridium Satellite System. Visit our (Iridium Antenna page).



UC-1614-341L Variants

For embedded and weight sensitive applications (such as self-buoyant air and water platforms, like balloons and buoys), we offer a 30 gram (1 oz) lightweight version of the Thuraya antenna: the UL-1614-341L-LIGHT. It is enclosed in a light housing, measuring 27.5 mm (1.08") OD x 99 mm (3.9") L, with an SMA Female connector at its bottom center.

Antenna Specifications

- Frequency range: 1525-1560, 1625-1660 MHz
- Coverage: Hemispherical
- Polarization: Left-Handed, Circular (AR 3 dB)
- Gain: +2 dBic - Elevation pattern
- Nominal Impedance: 50 ohm (RF)
- Input Power: 1 Watt CW
- VSWR: 2.0 GRAPH
- Connector: Selectable at time of purchase (SMA M or MCX M) on a low loss coaxial cable
- Dimensions:
 - Housing 4 cm (1.5") OD x 11 cm (4.5") h
 - Bottom flange 5 cm (2") OD x 13 mm (0.5") h
- Mounting: 1 screw, 1/4"-20
- Operating Temperatures: -40°C to +85°C
- Weight: 250 g / 0.5 lbs
- Shipping Weight: 300 g / 0.6 lbs

NOTES:

Does not require a ground plane for normal operation

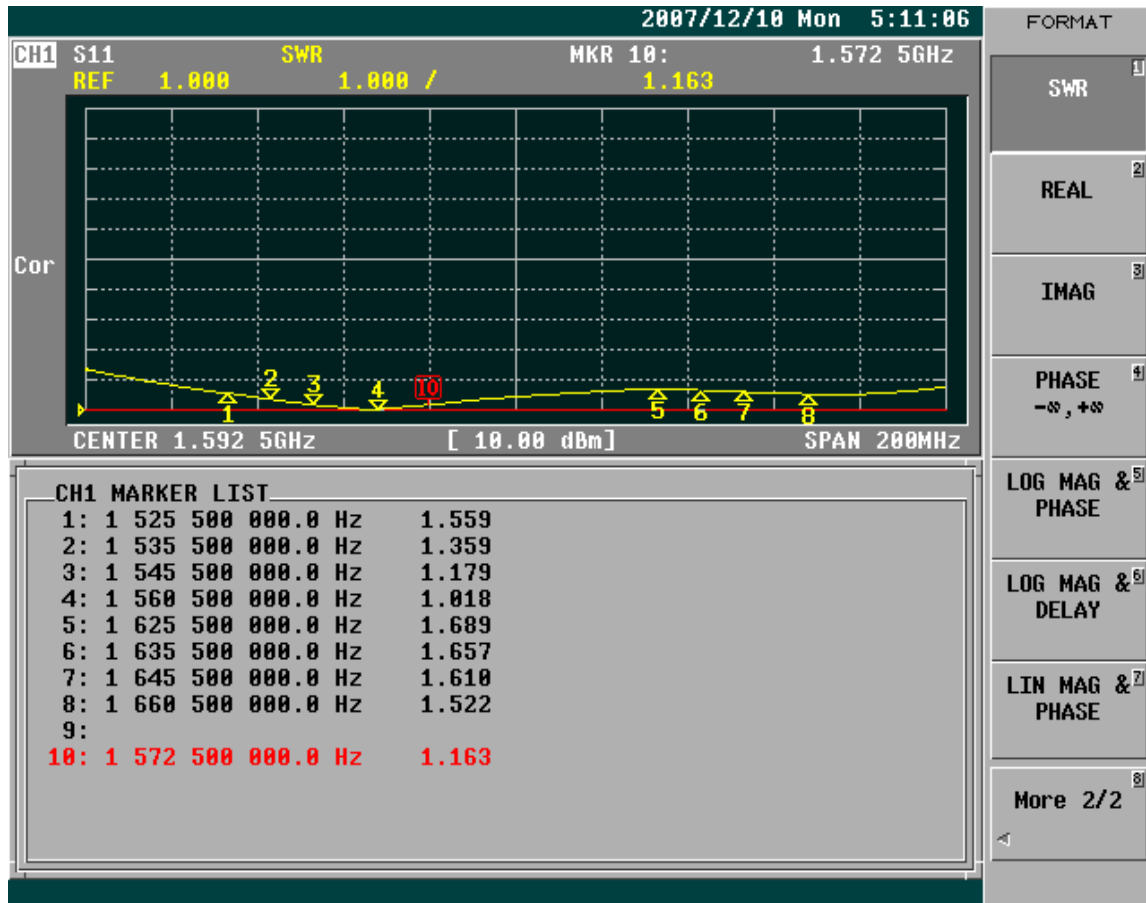
Magnetic mount, Suction cup mount and extension/adaptor cables available (see "More Information" tab)

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UC-1614-341L VSWR GRAPH



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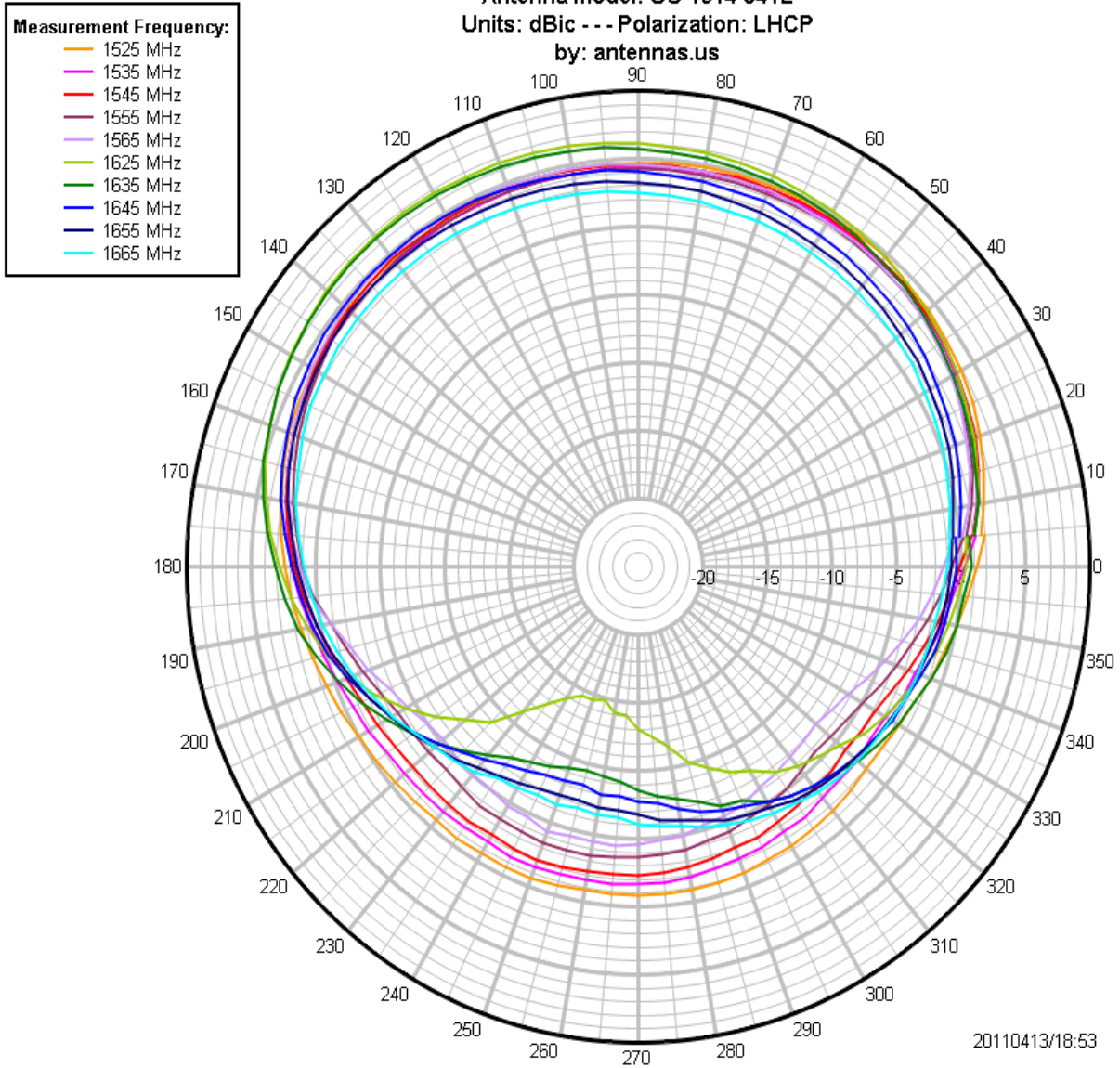
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Radiation Pattern, Elevation Plane -- Thuraya Antenna

Antenna model: UC-1614-341L

Units: dBic --- Polarization: LHCP

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This product is compatible with the following Antenna Accessories:

- [12 cm \(5"\) Magnetic Base](#)
- [7 cm \(3"\) Magnetic Base](#)
- [9 cm \(3.5"\) Suction Cup](#)

Recommended Cable Assemblies

- [LMR240 - use for cables longer than 3 meters \(10 ft\)](#)
- [LMR195 - use for cables shorter than 3 meters \(10 ft\)](#)

Specify desired length from drop-down menu on our website

Specify desired connector for the device end on our website



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