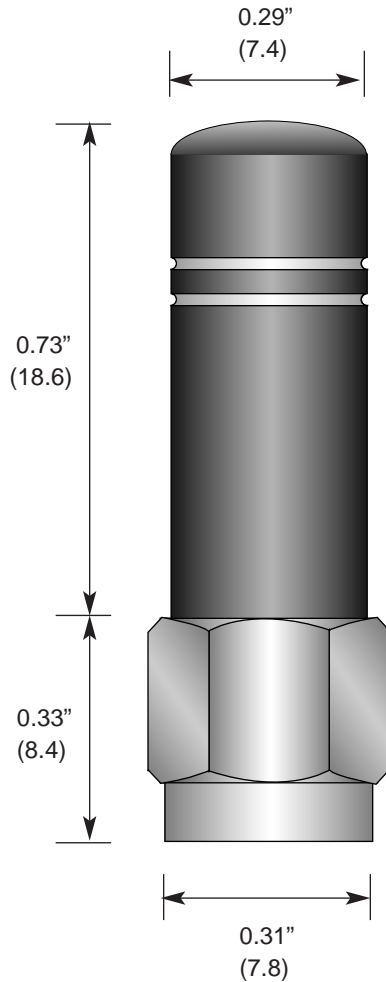


Product Dimensions



Description



The RH Series utilizes a helical element to greatly reduce the physical length of the antenna housing. They are ideal for small products where cosmetic or functional requirements dictate a compact, aesthetically pleasing antenna package. Despite their tiny size, RH Series antennas are ruggedly constructed and able to withstand punishing environments just like our larger whips. RH Series antennas attach via a Part 15 compliant RP-SMA connector. The 2.45GHz version is also available with a standard SMA connector.

Features

- Reduced-height helical whip
 - Excellent performance
 - Omni-directional pattern
 - Low VSWR
 - Fully weatherized
 - Rugged & damage-resistant
 - RP-SMA or SMA connector
 - Available in black or custom colors
 - Use with plastic* or metal enclosures
- * Requires proximity ground plane

Electrical Specifications

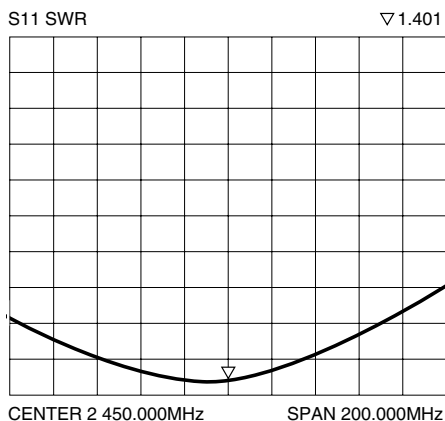
- Center Freq. 2.45GHz
- Bandwidth 80MHz
- Wavelength 1/4-wave
- VSWR <1.9 typ. at center
- Impedance 50 ohms
- Connector RP-SMA or SMA

Electrical specifications and plots measured on 4.00" x 4.00" reference ground plane

Ordering Information

- ANT-2.4-CW-RH-RPS (with RP-SMA connector)
- ANT-2.4-CW-RH-SMA (with SMA connector)

VSWR Graph

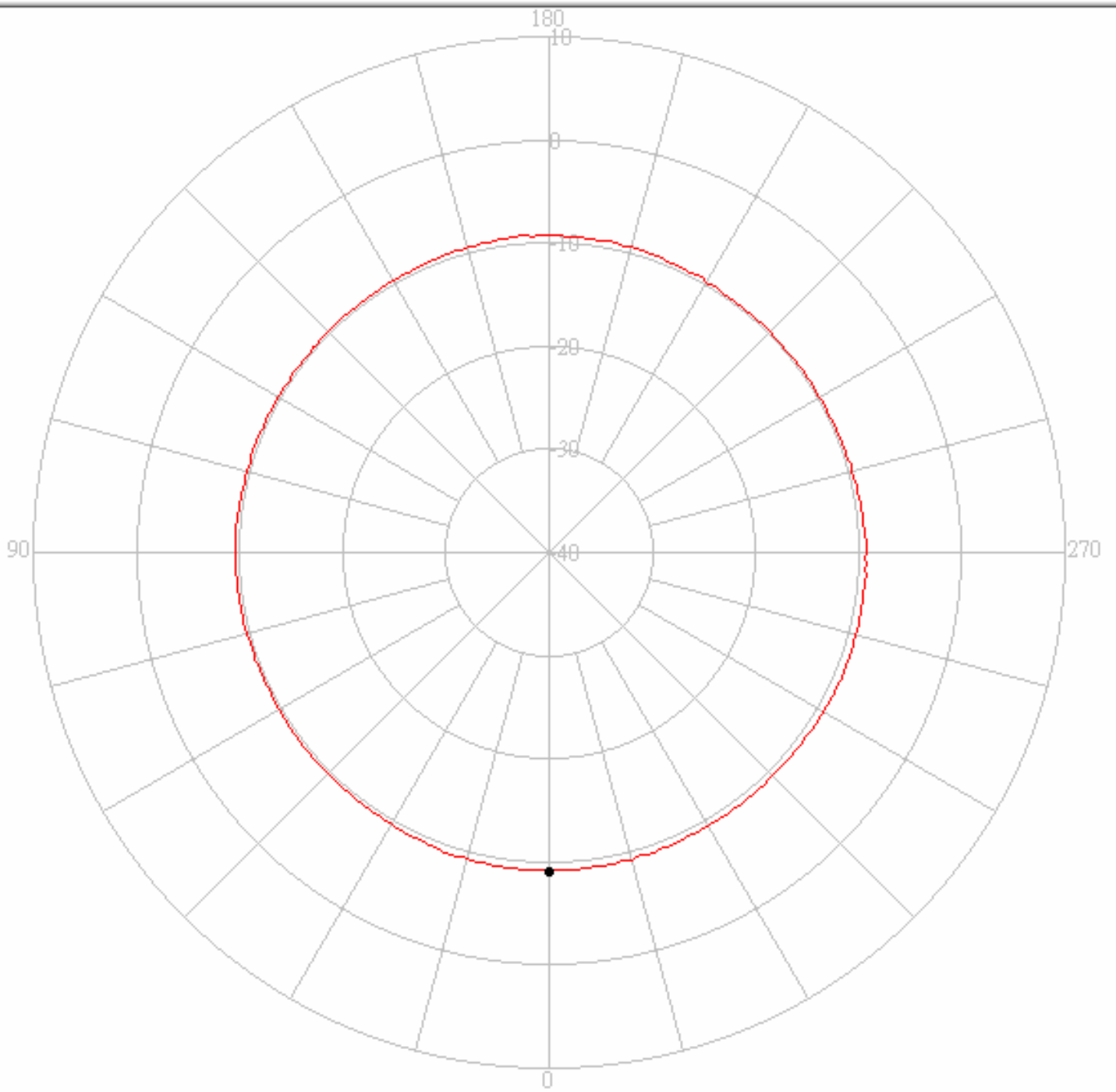


Typical VSWR

Polar Plot & Gain Information

Monopole antenna gain and radiation patterns are dependant on the ground plane and layout of the end product. Since antenna manufacturers do not measure on standardized ground references, comparison of published specifications is an unreliable indication of actual antenna performance in an end product. Optimum full-wave ground planes are impractical for the majority of products on which these antennas are used (the ground plane for 916MHz would be 26.5" in diameter, 418MHz would be 56.5" in diameter). For this reason, Antenna Factor tests and tunes antennas on reduced-size, compromised ground planes. To avoid mis-comparison or inappropriate application, gain and polar plots do not appear on this data sheet, but are available upon request for most products.

Antenna Pattern & EIRP Measurement



Pattern	Model No.	Test Mode	Freq(MHz)	Peak Gain(dBi)	Peak angle	Avg. Gain(dBi)	Source Polar.	Date
1		2400MHz	2450.00	-9.12	0.00	-9.49	Ver.	2007/10/23