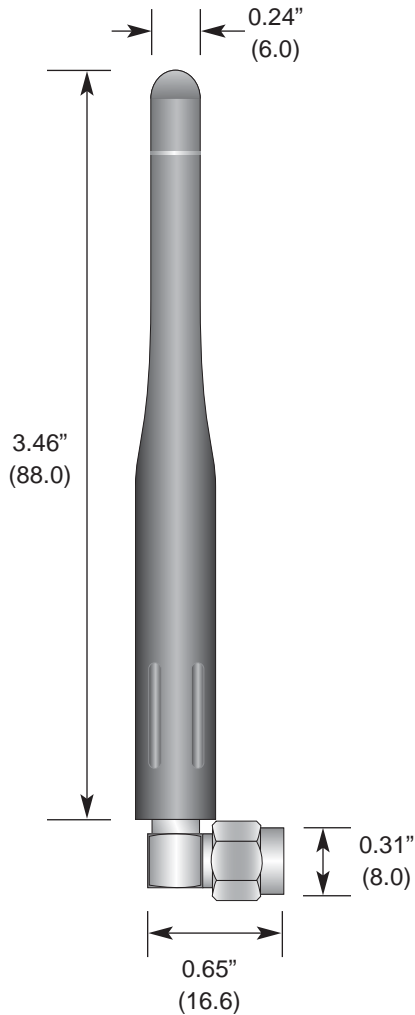


Product Dimensions



Description



The RCL Series is useful in products where additional height above the product's case is needed or a slightly wider operational bandwidth is desired. The 916MHz version has a 1/4-wave element. The antennas attach via a Part 15 compliant RP-SMA connector.

Features

- Right-angle mount
- Reduced-height whip
- Excellent performance
- Omni-directional pattern
- Fully weatherized
- Rugged & damage-resistant
- Part 15 compliant RP-SMA connector

Electrical Specifications

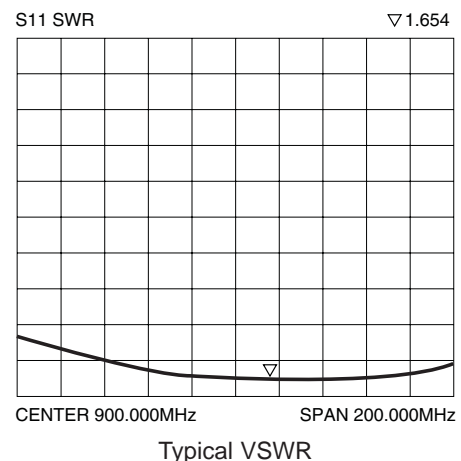
- Center Freq. 916MHz
- Bandwidth 150MHz
- Wavelength 1/4-wave
- VSWR <1.7 typ. at center
- Impedance 50 ohms
- Connector RP-SMA

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

Ordering Information

- ANT-916-CW-RCL

VSWR Graph

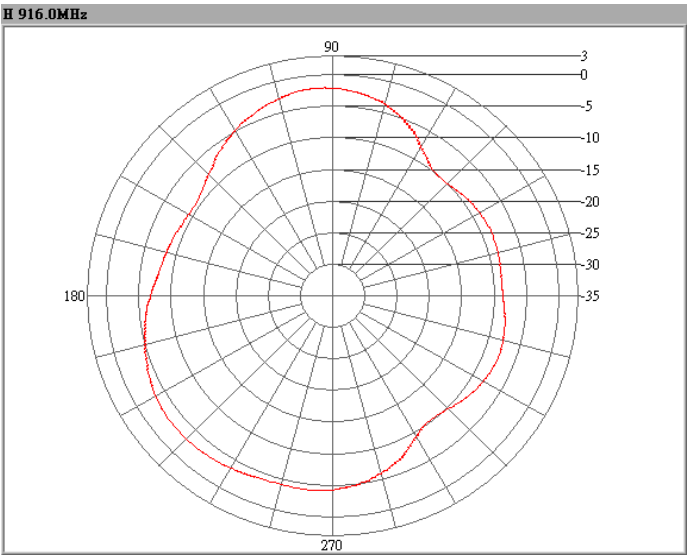
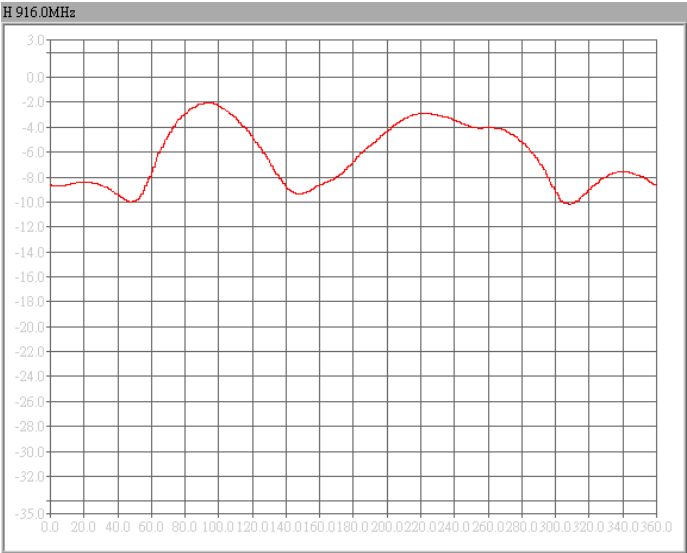


ANT-916-CW-RCL 2D Pattern @916.0MHz

Note: 2.5-3 dBi cable loss uncompensated for in plot

Date / Time : 2011221 / 14:26
Software Version : V1.2
Measurement Distance : 9M*4M*4M(3.6M)
Project Number :
Operator Name : jackie
Model Name : ANT-916-CW-RCL
Serial Number :
Temperature : 20
Humidity : 55
NETWORK Agilent 50MHz-20GHz 8720ET
Stand Data: SCHWARZBECK 9108A1

	H
Max Gain (dBi)	-2.03
Max Gain@Angle (degree)	93
Min Gain (dBi)	-10.18
Min Gain@Angle (degree)	309
Average Gain (dBi)	-5.62
-3dB Angle L (degree)	121
-3db Angle R (degree)	68.43
HPB (degree)	52.57
FBR (dB)	2.05

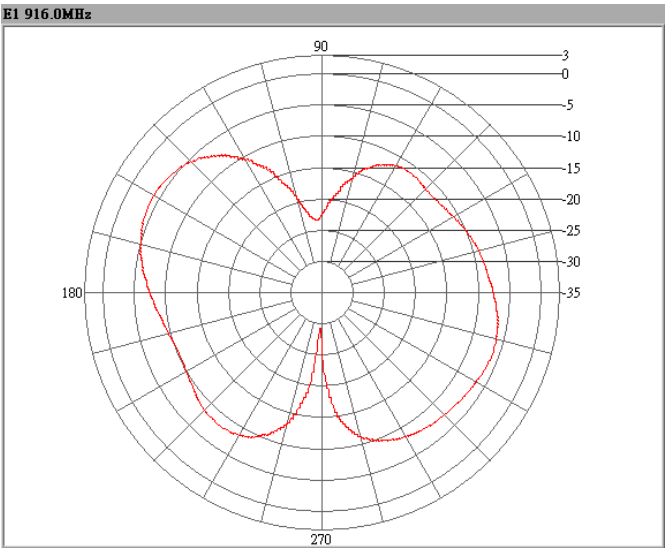
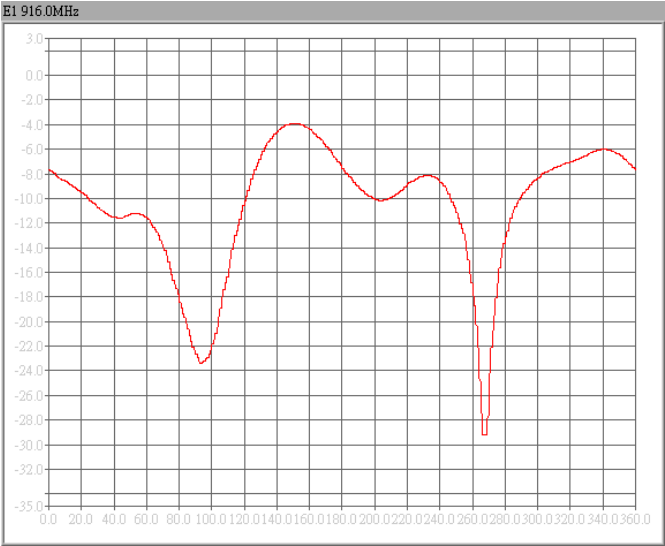


ANT-916-CW-RCL 2D Pattern @916.0MHz

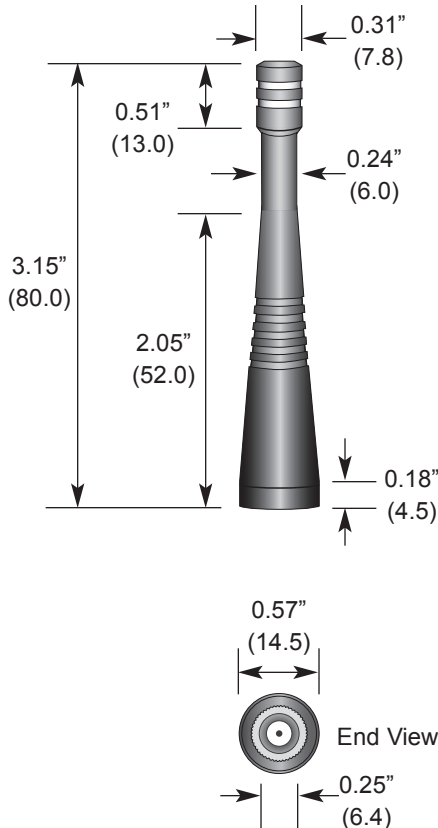
Note: 2.5-3 dBi cable loss uncompensated for in plot

Date / Time : 2011221 / 13:59
Software Version : V1.2
Measurement Distance : 9M*4M*4M(3.6M)
Project Number :
Operator Name : jackie
Model Name : ANT-916-CW-RCL
Serial Number :
Temperature : 20
Humidity : 55
NETWORK Agilent 50MHz-20GHz 8720ET
Stand Data: SCHWARZBECK 9108A1

E1	
Max Gain (dBi)	-3.9
Max Gain@Angle (degree)	150
Min Gain (dBi)	-29.23
Min Gain@Angle (degree)	269
Average Gain (dBi)	-8.65
-3dB Angle L (degree)	176.8
-3db Angle R (degree)	129.23
HPB (degree)	47.57
FBR (dB)	2.18



Product Dimensions



Description



CW Series 1/4-wave antennas deliver outstanding performance in a rugged and cosmetically attractive package. These antennas are available with standard SMA or FCC Part 15 compliant RP-SMA connectors. RP-SMA connectors allow for easy field replacement while complying with FCC requirements. A wide variety of matching connectors permit numerous mounting options.

Features

- Low cost
- Excellent performance
- Omni-directional pattern
- Wide bandwidth
- Very low VSWR
- Fully weatherized
- Flexible main shaft
- Rugged & damage-resistant
- SMA or Part 15 compliant RP-SMA connector
- Use with plastic* or metal enclosures

* Requires proximity ground plane

Electrical Specifications

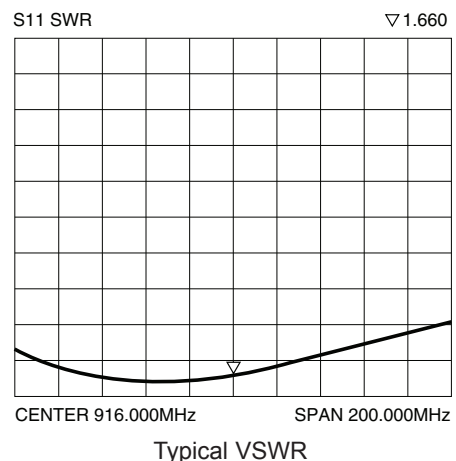
- | | |
|---------------------------|---------------------|
| • Center Freq. | 916MHz |
| • Recommended Freq. Range | 865-965MHz |
| • Wavelength | 1/4-wave |
| • VSWR | <1.9 typ. at center |
| • Impedance | 50 ohms |
| • Connector | SMA or RP-SMA |

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

Ordering Information

- ANT-916-CW-QW (with RP-SMA connector)
- ANT-916-CW-QW-SMA (with SMA connector)

VSWR Graph



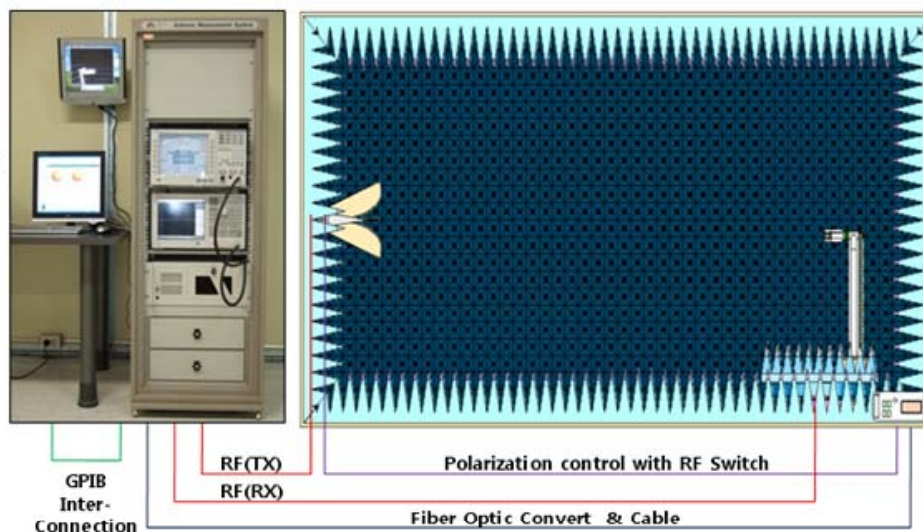
Typical VSWR

5. Chamber

WIRELESS
COMMUNICATIONS
TEST SET

VECTOR NETWORK
ANALYZER

SYSTEM
CONTROLLER &
LCD MONITOR



Chamber - MTG 6x3x3(m), 300MHz~6GHz
Active - Agilent E5515C (8960 Series 10)
Passive - Agilent E5071B 300KHz~8.5GHz

