



# Product Overview



## ANT-SS900

### 868-915MHz Compressed Whip / Stubby Antenna

#### Product Overview

Suited for portable and fixed applications requiring omni-directional communications. A stubby antenna is similar to a whip antenna but is compressed to make it shorter. SMA straight Male connector. Ideal for monitoring & telemetry applications.

#### Product Specifications

##### Features

- Vertical polarisation.
- Omni-directional radiation pattern.
- 2dBi Gain.

##### Electrical

- Frequency range: 868-915MHz.
- Nominal impedance: 50  $\Omega$ .
- Maximum input power: 50W.
- VSWR:  $\leq 1.5$ .

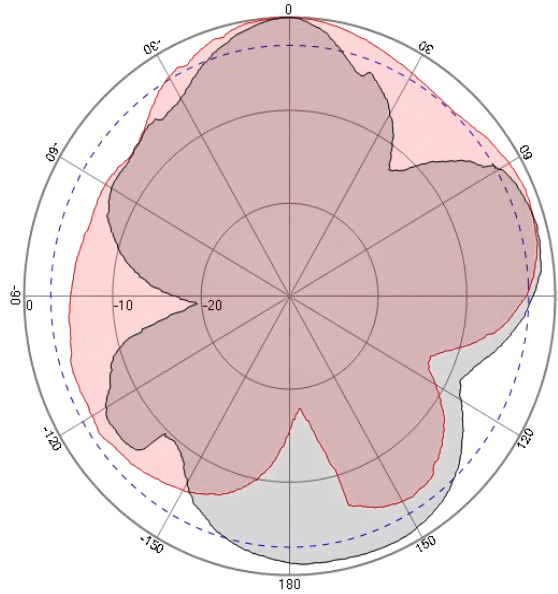
##### Mechanical

- Connector: SMA straight Male.
- Dimensions: 51mm x 8mm.
- Weight: 6g.
- Ambient temperature: -40°C to 60°C.

#### Applications

This antenna is suitable for portable & fixed applications that require omni-directional communication.

**Radiation Pattern  
(868MHz)**

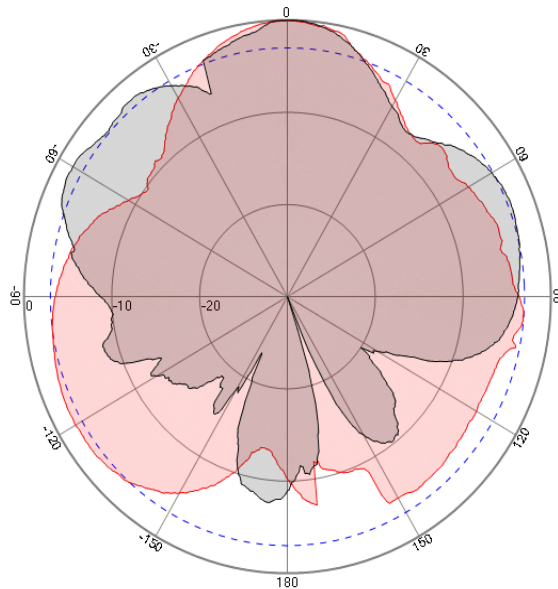


Freq: 868  
Polar\_Face: H-planeM-polarization  
Polarize: Vertical  
MaxV: -41.22  
HPBW(3dB): 120.08  
FBR: 4.53  
ComGain: -29.30

Freq: 868  
Polar\_Face: V-planeM-polarization  
Polarize: Vertical  
MaxV: -42.80  
HPBW(3dB): 32.64  
BeamU1: 8.36  
ZeroU: 19.50  
BeamD1: 1.04  
ZeroD: 12.31

Gain: 4.81

**Radiation Pattern  
(900MHz)**



Freq: 900  
Polar\_Face: H-planeM-polarization  
Polarize: Vertical  
MaxV: -41.30  
HPBW(3dB): 42.02  
FBR: 4.72  
ComGain: -29.00

Freq: 900  
Polar\_Face: V-planeM-polarization  
Polarize: Vertical  
MaxV: -43.20  
HPBW(3dB): 39.50  
BeamU1: 2.17  
ZeroU: 6.33  
BeamD1: 2.77  
ZeroD: 7.45

Gain: 5.11

**Ordering information**

Name	Description	Order Code
Straight Compressed Antenna	868-915MHz Compressed Whip / Stubby Antenna	ANT-SS900

Contact LPRS for more information:



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