



The RFID with Best ROI™

## ANT-915CPS-A UHF ANTENNA

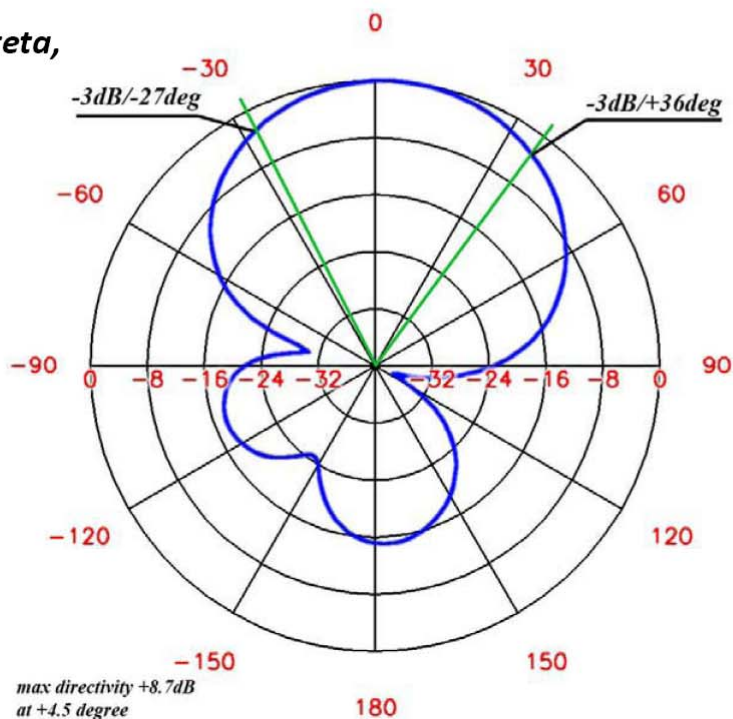


### Specifications

1. Nominal frequency range from 900MHz to 930MHz
2. Max Gain = +5.70dBi  
Min Gain = + 4.80dBi
3. The average Gain is +5.25dBi.
4. Circular polarized antenna - Polarization RHCP
5. Axial ratio at boresight direction is less than 1.0dB (less than measurement tolerance).
6. -3dB beam width, horizontal 63 degree; -3dB beam width, vertical 63 degree;
7. Front to back ratio 14dB;
8. Input impedance 50 Ohm
9. Connector: Reverse Polarity TNC 50 Ohm.
10. VSWR less than 1.12 over frequency range 900–930 MHz
11. VSWR degradation in proximity 12" (0.3m) to the flat metal surface VSWRmax=1.18 over frequency range 900–930 MHz
12. Maximum input power 5W.
13. Dimension 10"x10"x1.45" (260mm x 260mm x 37mm) without connector.
14. Weight: 1.0 and 1/16 lbs (0.482kg).
15. This antenna may be used for European frequency band 865 – 870 MHz and Japan 952 -954 MHz with some degradation of the gain and axial ratio. VSWR less than 1.18 over frequency range 865 – 955 MHz



Normalized Logarithmic Directivity  $E_{\theta\phi}$ ,  
 $\phi=0^\circ \dots \pm 180^\circ$ ,  $\Phi=0^\circ$  .(Polar diagram)



Normalized Directivity  $E_{\theta\phi}$ ,  $\Phi=0^\circ$

