



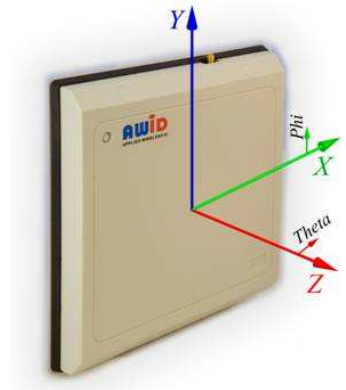
Power of RFID

Circular Polarized Antenna for RFID

ANT-2082 (847-886 MHz)

Features

- Maximum achieved realized gain and frequency bandwidth within moderate volume
- Variation of Maximum Gain: less than $\pm 0.25\text{dB}$ in Z direction at any Phi angle within operational frequency band
- Variation of Maximum Gain: less than $\pm 0.5\text{dB}$ within frequency band 847-886MHz at fixed Phi angle
- Very low reflection of transmitter signal into receiver – return loss is more than 23dB
- Moderately Light Weight - 28 oz (790 g)



ANT-2082

Specifications

Operational Frequency Band	863 - 869 MHz
Polarization	RHCP
Peak of Linear Polarized Realized Gain	+5.11 dBi
Maximum Axial Ratio at the bore-sight direction	0.47 dB
Width of radiation pattern at -3dB from maximum	68° ($\pm 34^\circ$)
Maximum input VSWR	1.15
Maximum Input Power	5.0 Watt
Weight	28 oz (790 g)
Protection Class	IP 51

