

# Zebra AN440

## Dual-Element RFID Antenna

Large area coverage for high-capacity, high-throughput environments

The AN440 RFID antenna gives you a wide read field and high-speed RF signal conversion, so data capture is fast and accurate, even in expansive, high-demand environments. The AN440 is easy to mount on ceilings and walls, and its rugged housing is at home in both customer-facing and industrial settings. You can achieve superior read zones around stockroom shelves, warehouse doorways and dock doors—anywhere boxes and pallets are moving in and out of your facility. Your workflow keeps flowing, your inventory count stays accurate and your productivity can reach new heights.



### AN440 Specifications

PHYSICAL CHARACTERISTICS	
Polarization	1 x left-hand circular/1 x right-hand circular
Dimensions	575.1 mm x 259.1 mm x 33.52 mm/ 22.6 in. x 10.2 in. x 1.32 in.
Connector	Dual N-Type Female
Connector Location	Rear
Mounting Options	Mounting studs provided
Weight	3.2 kg/7.0 lbs
Casing/Materials	UV Stable ASA
Frequency Ranges	EU: 865–868 MHz US: 902–928 MHz*
VSWR (Return Loss)	1.22:1
Gain	US/Canada: 6.0 dBiL

Front to Back Ratio	20 dB
3 dB Beam Width	70° in both planes
Maximum Power	10 Watts
Axial Ratio	1 dB typical
Operating Temperature	-30° to +70°C/-22° to +158°F
Storage Temperature	-40° to +85°C/-40° to +185°F
IP Sealing	IP67
Vibration	MIL-STD-810G, Method 507.5, Procedure II–Aggravated, IEC-68-2-6 (10 to 150 Hz, 0.5g, one hour in each of two axes–random vibration)
Humidity	IEC-68-2-30 (-25° to +40°C/-13° to +104°F) 24 hour cycles of 90% relative humidity

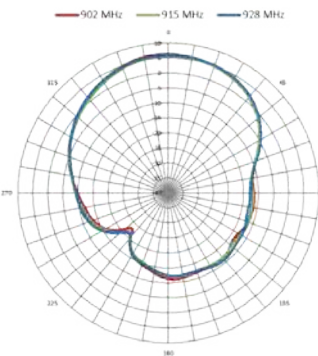
#### Vertical Markets

- Retail
- Enterprise/Office
- Hospitality
- Healthcare
- Transportation and Logistics
- Manufacturing

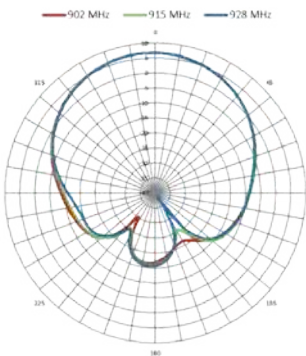
#### Applications

- Point of sale
- Conveyor belts
- Control points
- Hallways
- Dock doors

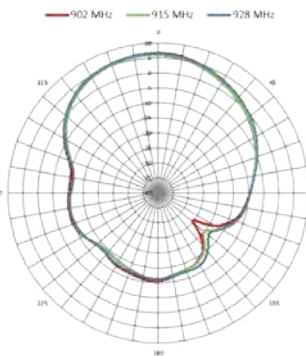
\* Optimized for US



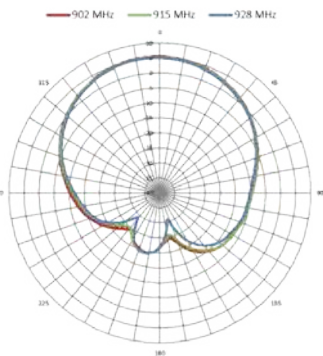
Horizontal (LHCP)



Vertical (LHCP)



Horizontal (RHCP)



Vertical (RHCP)

# Zebra AN480

## Wide-Band RFID Antenna

High-performance, wide-band antenna for worldwide use

The AN480 single port antenna offers maximum performance and flexibility. The low axial ratio is nearly 50 percent lower than typical competitive devices, delivering a more uniform gain—and better performance. The wide frequency range enables this antenna to be utilized in worldwide deployments providing cost-efficiencies and a simplified RFID infrastructure. The AN480 can be installed throughout the enterprise in manufacturing and warehouse floor environments, or any dock door receiving application. As with all Zebra antennas, the AN480 uses Zebra's standard mounting bracket. Mounting the antenna for the first time or upgrading an existing Zebra antenna with the AN480 is fast and easy.



## AN480 Specifications

PHYSICAL CHARACTERISTICS	
Polarization	Left-hand circular or right-hand circular
Dimensions	259.1 mm x 259.1 mm x 33.5 mm/ 10.2 in. x 10.2 in. x 1.32 in.
Connector	N-Type Female
Connector Location	Rear
Mounting Options	Mounting studs provided
Weight	1.13 kg/2.5 lbs
Casing/Materials	Aluminum with white plastic cover
Frequency Ranges	865–956 MHz
VSWR (Return Loss)	1.3:1

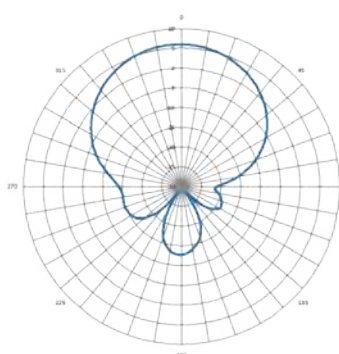
Gain	6.0 dBiL
Front to Back Ratio	18 dB
3 dB Beam Width	65° in both planes
Maximum Power	2 Watts
Axial Ratio	1.5 dB typical
Operating Temperature	-25° to +70°C/-13° to +158°F
Storage Temperature	-40° to +70°C/-40° to +158°F
IP Sealing	IP54
Vibration	IEC-68 series
Humidity	IEC-68-2-30

### Vertical Markets

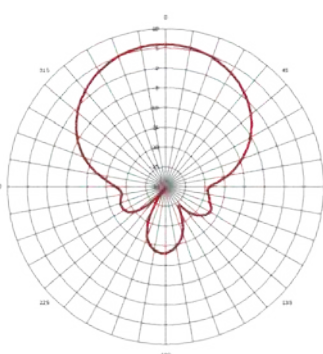
- Retail
- Enterprise/Office
- Hospitality
- Healthcare

### Applications

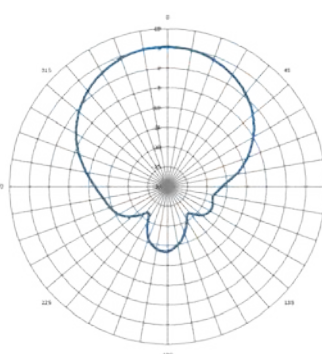
- Point of sale
- Control points
- Hallways



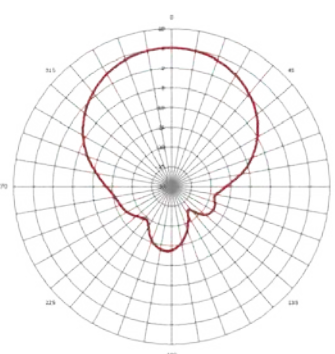
Horizontal (FCC)



Vertical (FCC)



Horizontal (ETSI)



Vertical (ETSI)