



Zebra UHF RFID Antennas

Versatile, high-performance antennas
for a wide variety of applications





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Zebra's family of Radio Frequency Identification (RFID) Antennas offers the versatility and performance required to meet diverse environmental and application needs—including customer-facing areas, warehouses and outdoor environments. When used in conjunction with Zebra's Fixed RFID Readers, communication with UHF RFID tags is accurate, fast and efficient. As vital components in reader-tag communications, our portfolio of high-performance antennas can meet the needs of any RFID solution.

Whether your application requires an antenna that blends into the environment, is IP67 sealed for rugged and extreme weather environments, or slim to fit into small spaces, we have the right antenna to complete your solution.

One pain point when choosing an antenna for your RFID solution is knowing which antenna can be used with a fixed RFID reader in order to get maximum performance while not to exceeding your local regulations. Zebra's UHF RFID antennas have been specifically tested with our fixed reader portfolio to ensure that the highest performance is possible while still maintaining compliance with regulatory standards.

Service Completes the Solution

To help you seamlessly and successfully integrate your RFID antennas into your environment, Zebra offers a complete suite of services that span the entire solution lifecycle—from initial planning and assessment through ongoing training and support.

For more information about Zebra RFID antennas for fixed readers and how our enterprise mobility solutions can give your organization a competitive advantage, please visit us on the web at zebra.com/antennas or access our global directory at zebra.com/contact.



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

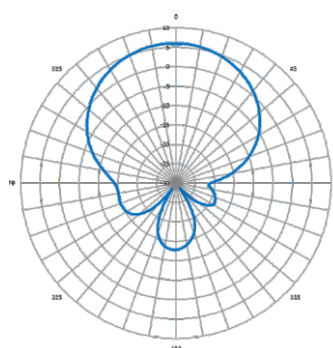
Gain	6.0 dBiL
Front to Back Ratio	18 dB
3 dB Beam Width	65° in both planes
Maximum Power	2 Watts
Axial Ratio	1.5 dB typical
Operating Temperature	-25° to +70°C/-13° to +158°F
Storage Temperature	-40° to +70°C/-40° to +158°F
IP Sealing	IP54
Vibration	IEC-68 series
Humidity	IEC-68-2-30

Vertical Markets

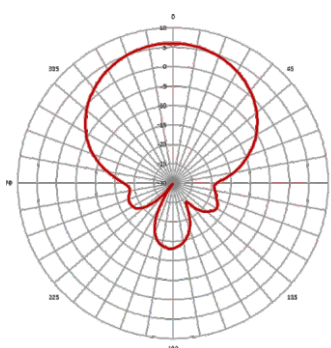
- Retail
- Enterprise/Office
- Hospitality
- Healthcare

Applications

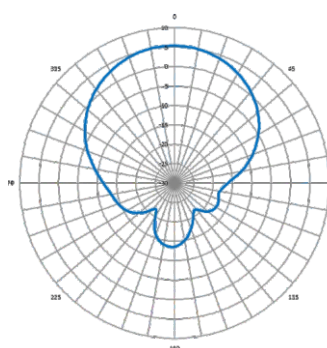
- Point of sale
- Control points
- Hallways



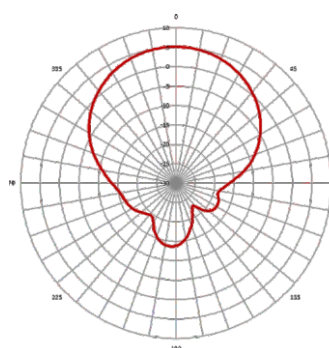
Horizontal (FCC)



Vertical (FCC)



Horizontal (ETSI)



Vertical (ETSI)