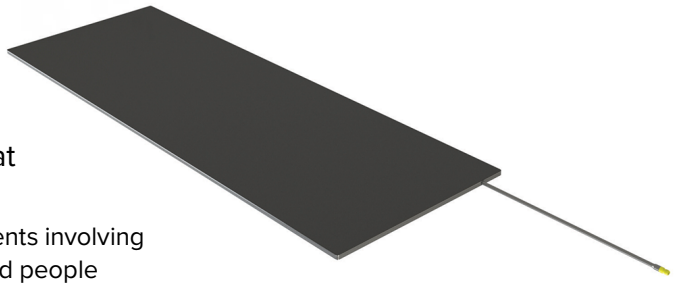
Zebra AN650 Ultra-Low-Profile Circularly Polarized UHF Ground Antenna



Slim, ultra-low-profile ground antenna designed to lay flat on the ground and support moderate loads

The AN650 ultra-low-profile ground is optimized for RFID deployments involving moving products, assets and people. From conference attendee and people tracking to retail presence, awarenness/loyalty and race timing, the AN650 is ideal for applications where traditional side antennas are unsuitable or not optimized for the application. At just 8 mm/0.3 in. thick, the durable, high-performance AN650 is uniquely capable of lying flat on the ground within a doorway-sized footprint.

AN650 Specifications

PHYSICAL CHARACTERISTICS	
Polarization	RHCP (Right Hand Circular Polarized)
Dimensions	915 mm x 305 mm X 8 mm/ 36.02 in. x 12.00 in. x 0.31 in.
Connector	SMA Female Side Fly Lead (300 mm/1 ft.)
Radome Material	Fire retardant ABS
Anti-static Protection	Yes, DC grounded
Weight	2.4 kg/5.29 lbs Gross: 2.8 kg/6.17 lbs
Radome Material	Fire retardant ABS
Frequency Ranges	EU: 865–868 MHz US: 902–928 MHz
VSWR (Return Loss)	1.4 typical

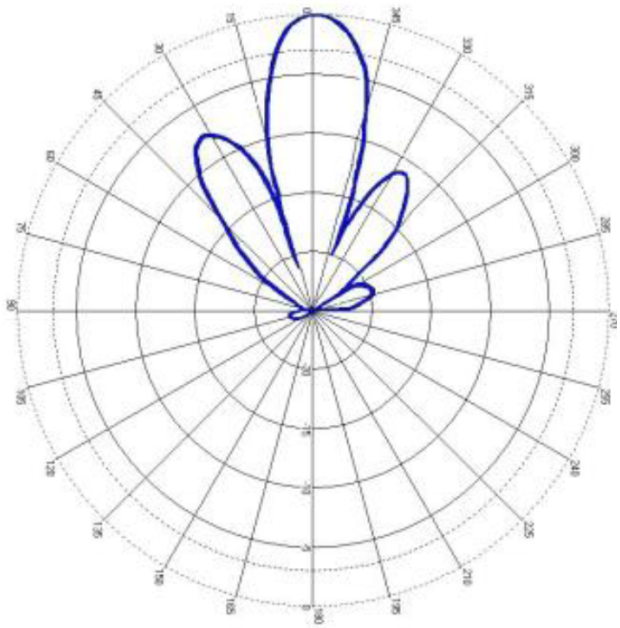
Gain	9 dBiC typical
Front to Back Ratio	24 dB
3 dB Beam Width	20° in xz-plane, 80° in yz-plane
Maximum Power	3 Watts
Axial Ratio	2 dB typical
Operating Temperature	-20° to +55°C/-4° to +131°F
Storage Temperature	-30° to +65°C/-22 to +149°F
IP Sealing	IP65
Nominal Impedance	50 Ω
Antenna Detection	10 K Ω resistance

Vertical Markets

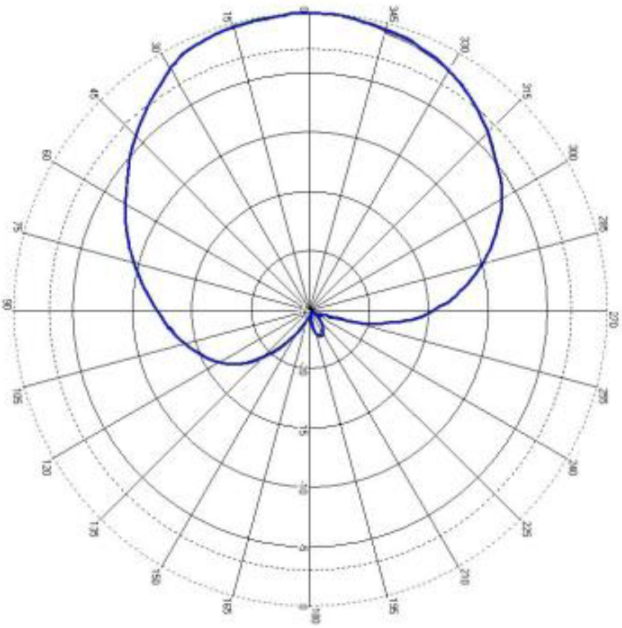
- Retail
- Enterprise/Office
- Data center
- Hospitality
- Healthcare

Applications

- Conference attendee/ people tracking
- Retail presence aware/ loyalty based marketing
- Race and event timing



XZ-Plane



YZ-Plane