

# Zebra AN520 Ultra-Rugged, Low-Profile Antenna

IP68 rated for indoor and outdoor applications

The AN520 ultra-rugged, low-profile antenna, with an IP68 rating, is suitable for use in a variety of indoor and outdoor environments that require a small-form-factor, high-performance antenna. The outer housing is designed to be sleek and discreet enough to be integrated into any business, but rugged enough for outdoor industrial environments. The versatile flush mount blends into any location.



## AN520 Specifications

PHYSICAL CHARACTERISTICS	
<b>Polarization</b>	RHCP (Right Hand Circular Polarized)
<b>Dimensions</b>	150 mm x 150 mm x 14 mm/ 5.9 in. x 5.9 in. x 0.55 in.
<b>Connector</b>	SMA Female
<b>Connector Location</b>	Side connector
<b>Mounting Options</b>	Flush mount
<b>Weight</b>	0.25 kg/0.55 lbs
<b>Casing/Materials</b>	UV-Resistant ABS
<b>Frequency Ranges</b>	EU: 865–868 MHz US: 902–928 MHz
<b>Gain</b>	5.5 dBiC typical

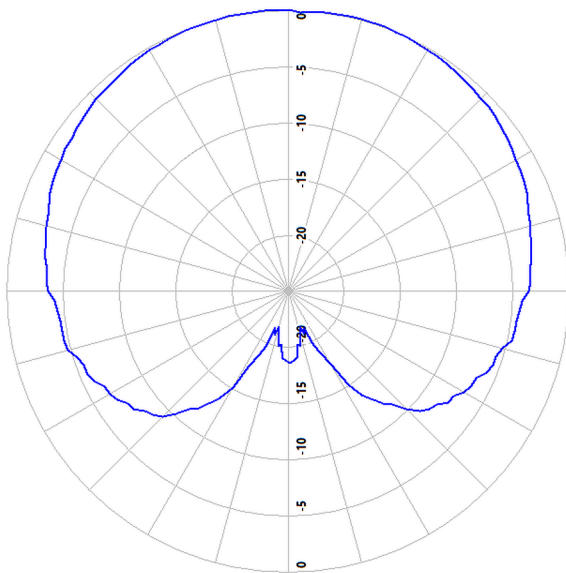
<b>VSWR (Return Loss)</b>	1.4 typical
<b>Front to Back Ratio</b>	-10 dB
<b>3 dB Beam Width</b>	115° in both planes
<b>Maximum Power</b>	3 Watts
<b>Axial Ratio</b>	2 dB typical
<b>Operating Temperature</b>	-40° to +65°C/-40° to +149°F
<b>Storage Temperature</b>	-40° to +65°C/-40° to +149°F
<b>IP Sealing</b>	IP68
<b>Vibration</b>	IEC60068-2-64
<b>Humidity</b>	72 Hours @ 85°C relative humidity

### Vertical Markets

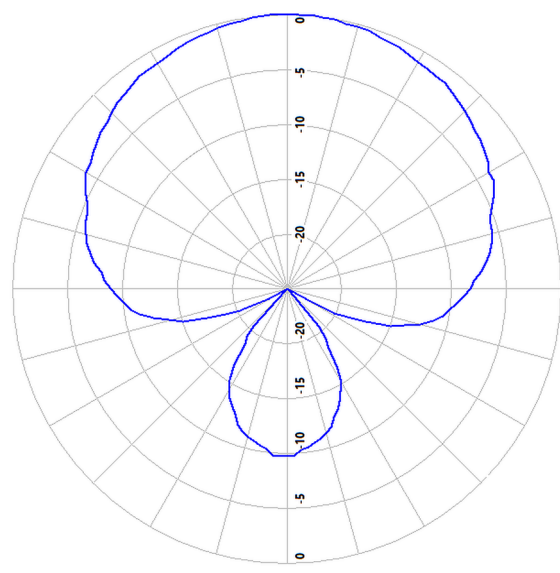
- Retail
- Warehouse Management
- Manufacturing
- Cold-chain
- Aviation
- Enterprise

### Applications

- Point of sale
- Under the counter/  
within shelving
- In server racks
- Inside medical cabinets
- Luggage tracking
- Access control
- Manufacturing line
- Receiving dock doors



Horizontal (ETSI and FCC)



Vertical (ETSI and FCC)