

WAVE[®] Gate

High-performance RFID gate solution for asset tracking

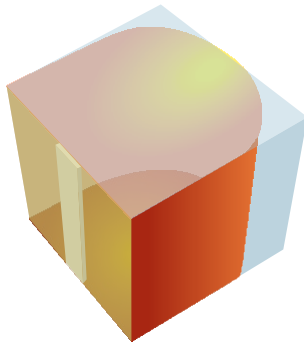
The WAVE[®] Gate is specifically designed for use in asset tracking. This is an easy to install, plug-and-play gate system that uses WAVE[®] antennas to locate and read large numbers of tags simultaneously.



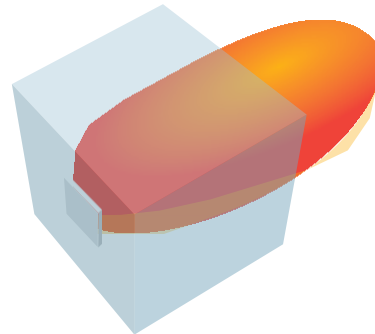
WAVE[®] Antenna

vs.

Patch Antenna



A WAVE[®] antenna creates a cylindrical radiation pattern like a fluorescent tube.



A patch antenna produces one main beam and behaves like a flashlight, radiating in a conical pattern well beyond the optimal RFID zone.

Key Features

Versatility

This solution is suitable for a wide range of applications, from baggage tracking, logistics, access control, production monitoring, and real-time tracking to systems for warehouse doors and shop floors.

Accuracy

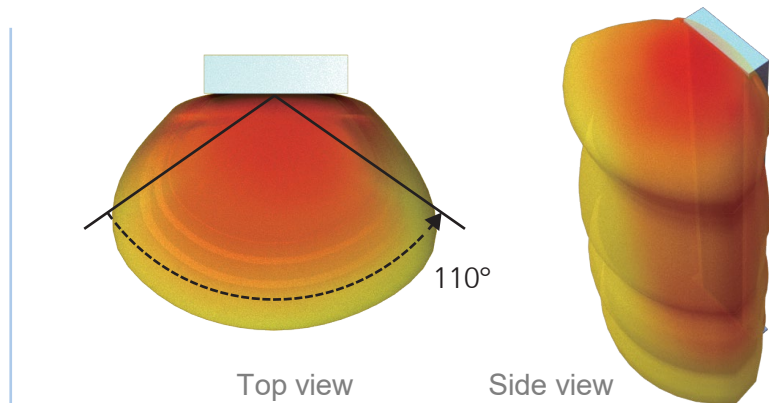
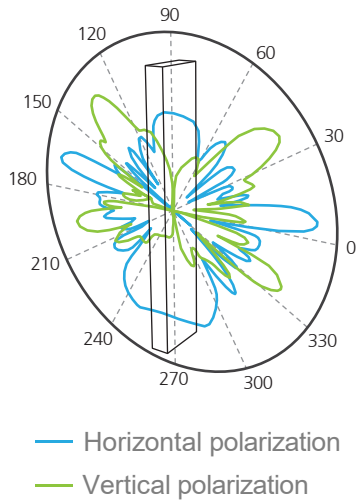
The WAVE[®] antennas in this solution have a patented multi-beam illumination pattern that delivers 99+% tag read rates within an optimal user-defined read zone while minimizing extraneous tag reads from outside the zone.

Efficiency

This is a plug-and-play system that can be easily installed in a wide variety of locations with minimal adjustment. It can also be deployed as a retrofit for existing fixtures, delivering a positive ROI within months.

Antenna Radiation Pattern

WAVE® antennas are designed to uniformly illuminate a volume of space. When installed in pairs, the antennas complement each other and provide spatial, direction-of-arrival, and polarization diversities throughout the volume.



WAVE® Gate 3D Pattern



Specifications

Model Name	XRBS-G5
Dimensions	Exterior: 162 cm (L) × 100 cm (W) × 206 cm (H) Interior passageway: 140 cm (L) × 100 cm (W) × 200 cm (H)
Weight	70 kg
Ambient Operating Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Frequency Range	902 MHz–928 MHz
Gain	5.5 dBi
Impedance	50 Ω
Polarization	Multi-linear
Maximum Input Power	10 W
Beamwidth	110°
Connector	TNC reverse polarity



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