

# WANT\_0868\_09CP

## EU UHF RFID Antenna

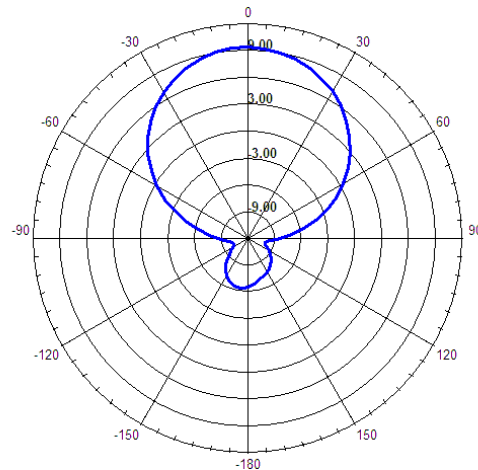
865 – 868 MHz 8.5dBc circularly polarized



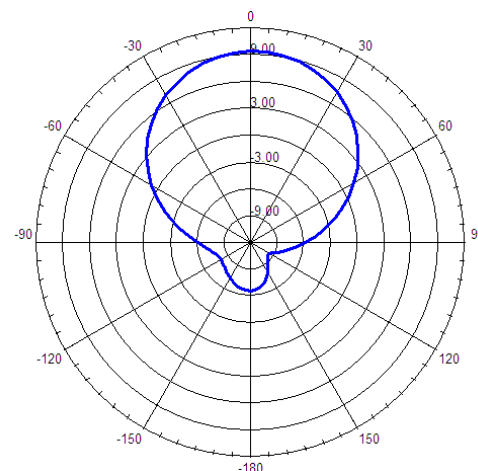
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### Technical specifications

Electrical specifications	
Frequency range	865 – 868 MHz
Polarization	Right Hand Circularly Polarized (RHCP) or Left Hand Circularly Polarized (LHCP)
Gain	8.5 dBc
Half-power beamwidth (3dB)	65° (Elevation) 65° (Azimuth)
Front-to-back ratio	17 dB
Axial ratio at boresight	2 dB
VSWR	1.1:1
Nominal impedance	50 ohm
Power	2 W e.r.p. (ETSI EN 302 208) 5 W (max)
Lightning protection	Capacitor feed system
Mechanical specifications	
Dimensions (L x W x D)	270 x 270 x 75 mm
Weight	1.2 kg
Connector	N-f with 30cm RG58 cable
Radome	Polystyrene plastic (UV rating)
Mounting kit	Aluminium (for pole)
Environmental specifications	
Protection rating	IP65
Operating temperature	-30 - +60 °C
Storage temperature	-30 - +60 °C
Wind speed	160 kmh
Wind surface	0.066 m <sup>2</sup>

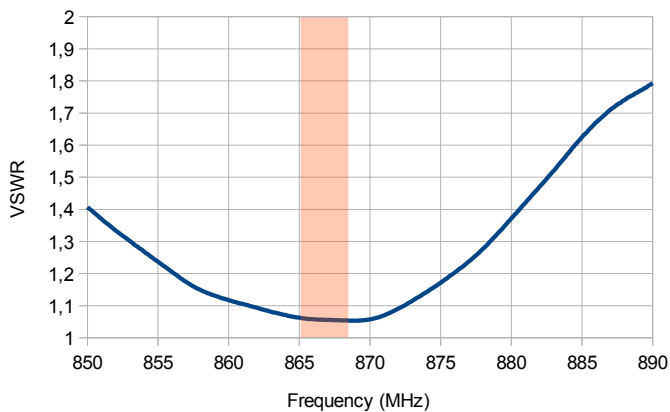


Total gain - Azimuth



Total gain - Elevation

VSWR vs Frequency (MHz)



Wavecomm S.r.l. reserves the right to make changes

**WAVECOMM S.r.l.**

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