

SY-RAA55: Long Range UHF Antenna

Industrial RFID antenna (IP65) UHF (865 MHz – 870 MHz (EU) / 902 MHz – 928 MHz (US)) for classic far field applications with large reading distances. It is characterised by a very low axial ratio for circular polarization, whereby the dependence of reading results upon the position or alignment of tags is significantly reduced. For this reason it is also the ideal solution for portal applications in addition to many other application possibilities.

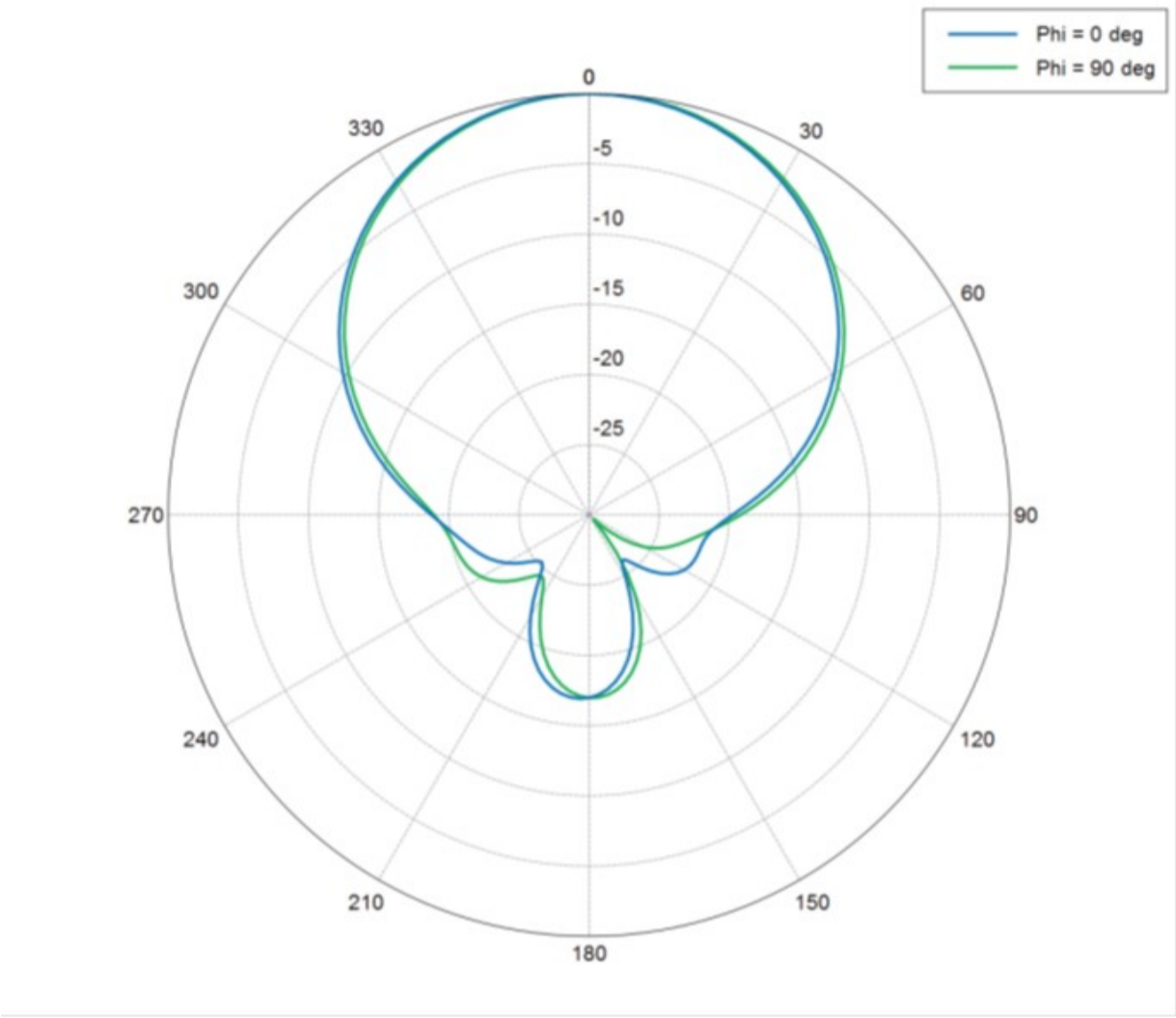


- 865 – 870 MHz (EU) or 902 – 928 Mhz (US).
- Low axial ration for optimal performance.
- Compact construction.
- Reading range* up to 10mt.
- Optimized for portal applications.
- Suitable for use in industrial environment.
- Suitable for use outdoor.

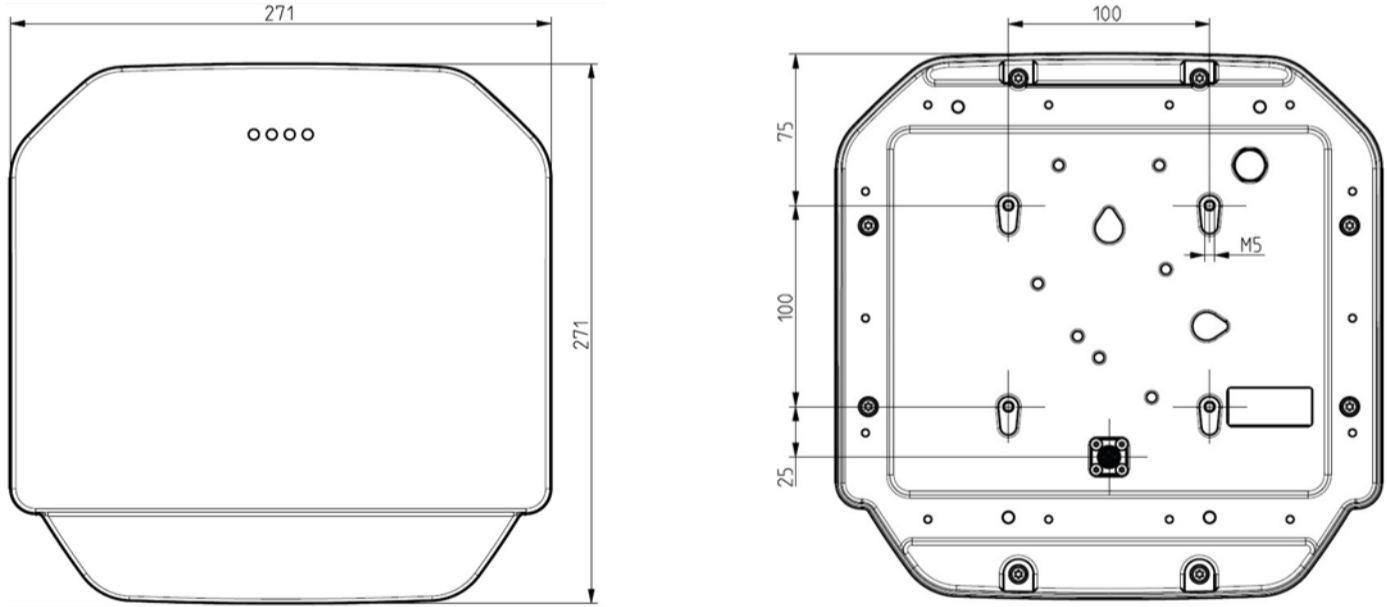
Operating Frequency	(EU) 865-870MHz (US) 902-928MHz
Polarization	Circular
Antenna Gain	(EU) 8.5dBic @ 866MHz (US) 8.3dBic @ 915MHz
Axial Radio	Typ 1dB
VSWR	< 1.2:1
Impedence	50ohm
Max Radiated Power	(EU) 2W ERP (US) 4W ERP
Front-to-Back Ratio	>18dB
Half Power Beam Width	69°
Reading Distance	10mt
Dimensions	270 x 270 x 45 mm
Weight	1.7Kg
Material	Plastic, Aluminium
Protection	IP67
Connection	TNC, female
Operating Temperature	-20°C / +55°C
Storage Temperature	-40°C / +85°C

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Antenna Diagram



Dimensions



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