

## NORDIC ID SAMPO S0

Nordic ID Sampo S0 is an antenna specifically designed for RFID applications. With the antenna, it is easy to expand the reading coverage and improve the performance of the RFID system. Due to the antenna's matching design it fits perfectly together with the Nordic ID UHF RFID readers, which forms a coherent RFID system.



UHF RFID	
Frequency band	ETSI 865 - 868 MHz and FCC/IC 902-928 MHz
Gain	ETSI: 7.0 dBic/5.0 dBi
Beam width (-3dB)	80°
Polarization	RHCP
Input impedance	50 Ω
VSWR	< 1.5:1
Maximum input power	10 W (40 dBm)
Efficiency	87 %
Connector	SMA female
SIZE AND WEIGHT	
Dimensions	(W) 200 x (L) 260 x (H) 25 mm ((W) 7.9 x (L) 10.2 x (H) 1.0)
Weight	438 g (15.4 oz)
ENVIRONMENT	
Operating Temperature	-20°C to 55°C (-4°F to 130°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)

### PRODUCT HIGHLIGHTS

- High-gain circular polarization
- Fast and easy integration

### SUITABLE APPLICATION AREAS

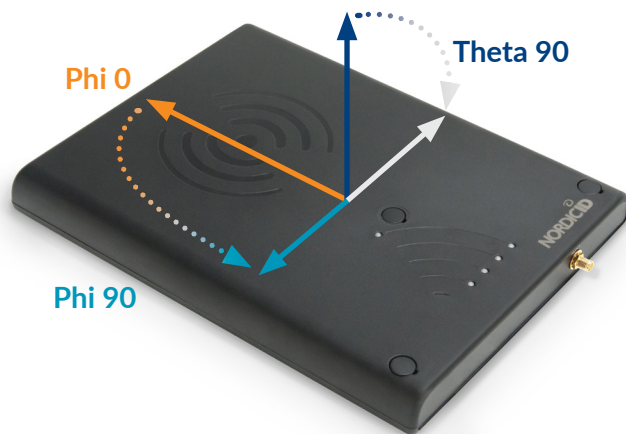
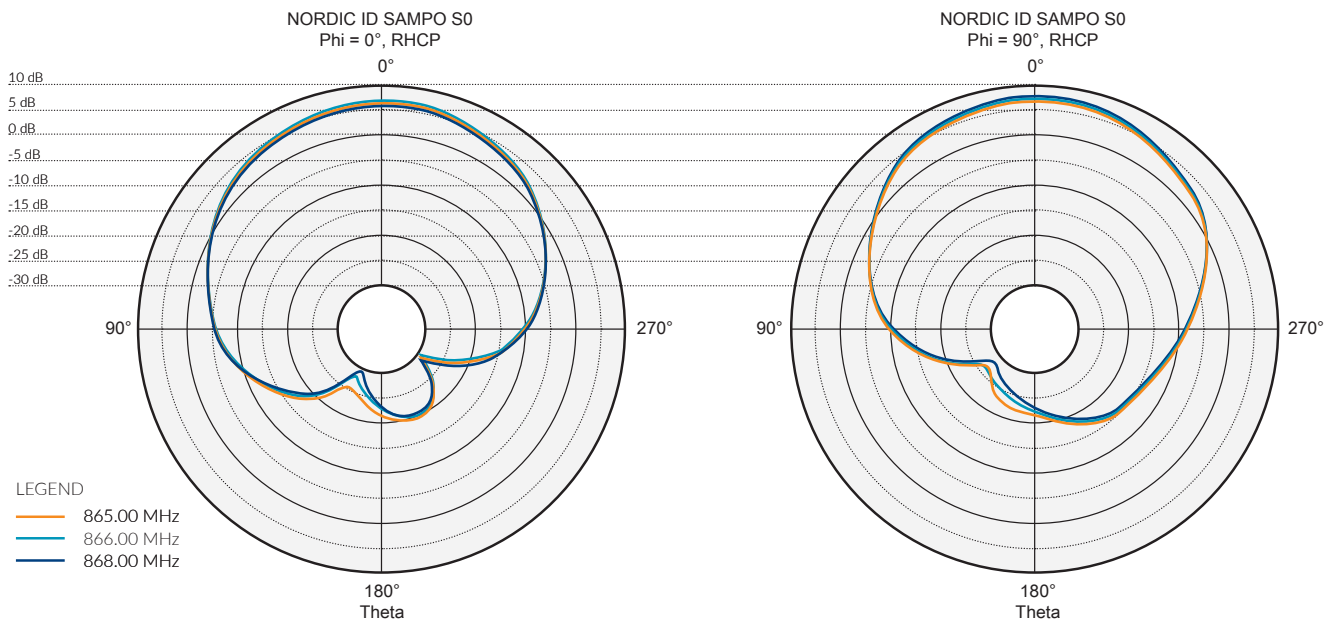
- Smart shelves
- Inventory management
- Access control
- Document tracking
- RFID gates
- EAS



All information is subject to change without prior notice.



## RFID RADIATION PATTERN



## MOUNTING OPTIONS



**Microtron**<sup>®</sup>  
Flexible electronic solutions