



FlexiRay™

SFR4

Ultra Slim RFID UHF Antenna

FlexiRay™ SFR4

Features



- Esthetic design suitable for indoor / outdoor RFID applications
- Rugged enclosure for industrial and logistic projects
- Low profile and modular antenna length
- Easy and flexible mounting capabilities
- VESA standard / mounting accessories
- Read range up to 10 meters*

Description



Modular slim rugged antenna FlexiRay SFR4 with high-quality design enables creation of RFID reading zones in entrances, exits, corridors, doors and gates / no matters if indoor or outdoor due to IP65 protection. Esthetic and pleasing design allows deploying the antennas in interiors for asset & people tracking in commercial, retail & library applications include outdoor/ indoor project in logistics and industrial environment, manufacturing, reading on conveyors and production lines.

Applications



- RFID portals and reading zones in entrances, gates, doors and corridors
- Logistics, warehouse aisles, receiving, replenishment and shipping applications
- Manufacturing, conveyors and production lines
- Asset tracking in retail, commercial and library applications
- Access & attendance control

Difference between SFR3 and SFR4

- Higher gain
- Improved reading range
- Homogeneous field along the entire length of antenna
- No blind spots



Mounting – Quick, Easy, No-Hassle

Antenna FlexiRay SFR4 provides flexible mounting capability. Industrial standard VESA 75 slot is supporting variety of mounting options: SFR -MA-100 Wall Mount Kit SFR-MA-200 Pole Mounting Kit or SFR-MA-300 Universal Adjustable +1-30° Mount Kit Wall / Pole



Connectors

Antennas are equipped with RP-TNC connector or optionally with SMA connector. Using EIRP 1 W (maximum is 4 W in FCC band) it can achieve reading distance up to 10 meters*

** Tested in open-air environment, Alien / Impinj reader, 30 dBm, 4m cable, Alien Squiggle H3 tag*



SFR4 front side



SFR4 back side

Technical Specification

Model Number	SFR-42XX	SFR-44XX
Frequency Range	866 - 868 MHz (ETSI) 902 - 928 MHz (FCC)	
Connector	RP-TNC or SMA connector	
Polarization	RHCP	RHCP
Gain	5,5 dBi (8,5 dBic)	7,5 dBi (10,5 dBic)
Impedance	50 Ohms	50 Ohms
Max. Input Power	10 W	10 W
VSWR - ETSI	<1,3	<1,3
VSWR – FCC	<1,5	<1,5

Dimensions

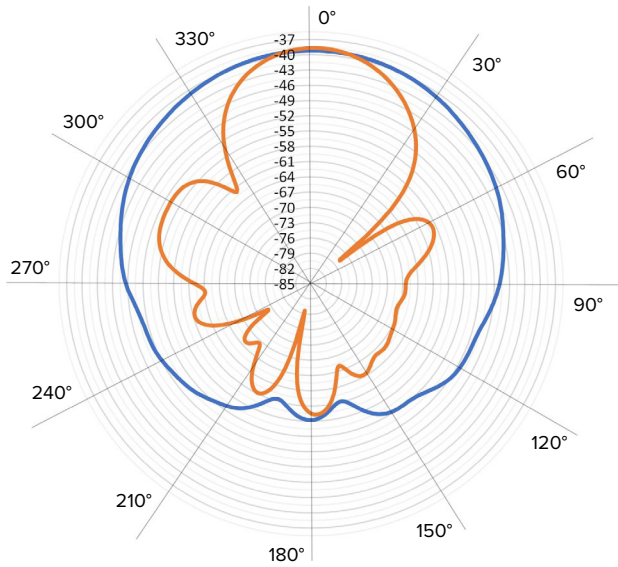
Length	530 mm / 20,87"	1030 mm / 40,55"
Width	140 mm / 5,51"	140 mm / 5,51"
Height (without connector)	14 mm / 0,55"	14 mm / 0,55"
Weight (kg/lb)	1,2 kg / 2,65 lbs	2,5 kg / 5,5 lbs
Protection Class	IP65	IP65
Operating Temperature	-25°C / 60°C	-25°C / 60°C

Ordering code

ETSI (865 - 868 MHz), RP-TNC	SF-4200	SF-4400
ETSI (865 - 868 MHz), SMA (F)	SF-4210	SF-4410
FCC (902 - 928 MHz), RP-TNC	SF-4201	SF-4401
FCC (902 - 928 MHz), SMA (F)	SF-4211	SF-4411

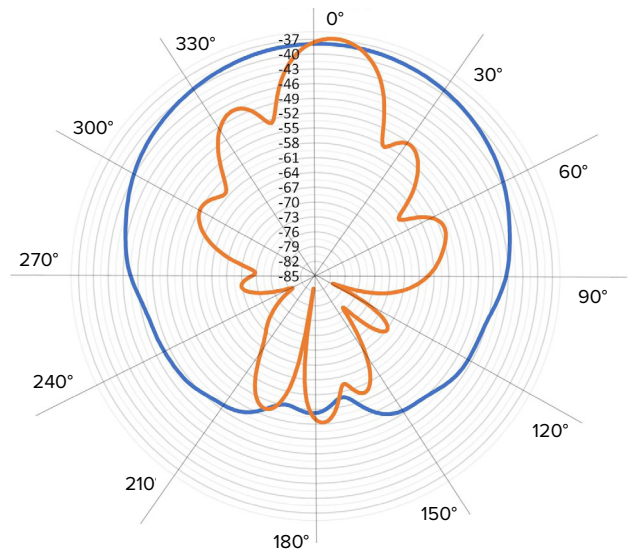
Antenna radiation patterns

SFR – 4200



Horizontal

SFR – 4400



Vertical



Color Finish

Our antennas SFR line is designed to be esthetic and suitable for interiors too. No more industrial look of antenna in interior of retail / office / shops etc. We are able to customize finish by 40+ various decors / colors