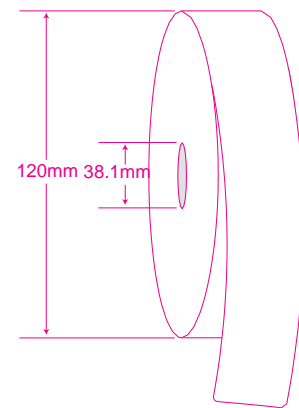




SIVA's Pat-Track UHF RFID wristband is an ideal solution to locate (RTLS), identify and connect patients to the hospital administration system. The wristband is delivered with an Impinj Monza R6P chip with customer specific encoding of EPC and can be printed on using most thermal printers available in the market.

Available in a size that can fit most wrist sizes, this wristband carries a protruding antenna design that helps achieve longer read distances not requiring line-of-site data transmission and can be read even when covered under clothing, bed coverings, etc. These wristbands can also be printed with barcodes that can help increase patient security.



PHYSICAL SPECIFICATION	
Face Stock	Direct thermal white PP
Wristband Size	419.1 x 30 mm 16.5 x 1.18 in
Thickness	Overall : 100 micron Over the inlay : 160 micron
Adhesive	High performance permanent adhesive
Weight	2.25 g
Delivery format	Roll form
No. of Bands/ Reel	125
Core inner diameter	38.1 mm / 1.5 in
Roll Outer diameter	120 mm / 4.7 in

RF SPECIFICATION

Mode of Operation	Passive
Device type	Class 1 Gen 2 Passive UHF RFID transponder
Air interface protocol	EPC Global Class 1 Gen 2 ISO 18000-63 Compliant, Gen 2v 2 Compliant
Operational frequency	Global 860-960 MHz
IC type*	IMPINJ MONZA R6 P
Memory configuration	EPC Size of 96 Bits, 96 bits TID with 48 bits Unique serial number
Data Retention	Upto 50 years
Write Cycle Endurance	100,000
Read Range (2W ERP)**	ETSI : upto 9 m FCC : upto 9.5 m
Applicable surface materials	Wrist

ENVIRONMENTAL RESISTANCE

Operating temperature	-20°C to +80°C / -4°F to +176°F
Withstands Exposure to	95% humidity, 60°C × 100 h, 50% humidity, 80°C × 100 h
Recommended Application Temperature	+10°C to +38°C / 50°F to +100.4°F
Adhesive Service Temperature	-20°C to +80°C / -4°F to +176°F
Water Resistance	IP67
Ideal Storage condition	+23°C / 50% RH
Expected lifetime	Years in normal conditons

PRODUCT INSTALLATION



WRAP: Wrap the wristband around the individuals wrist with the printed side facing upwards by passing the wristband tail through the slit on the wristband head.

PEEL: Peel off adhesive cover from the wristband tip. Do not let the adhesive become contaminated with dust or finger prints.

ADJUST: Adjust the wristband to sit comfortably around the wrist.

FASTEN: Once fully adjusted, fasten the wristband around the wrist.

PERSONALIZATION OPTIONS

Pre-encoding

- Customer specific encoding of EPC

Customized Printing

- Customer specific layout including logo, text, numbers, barcodes etc.

ORDER INFORMATION

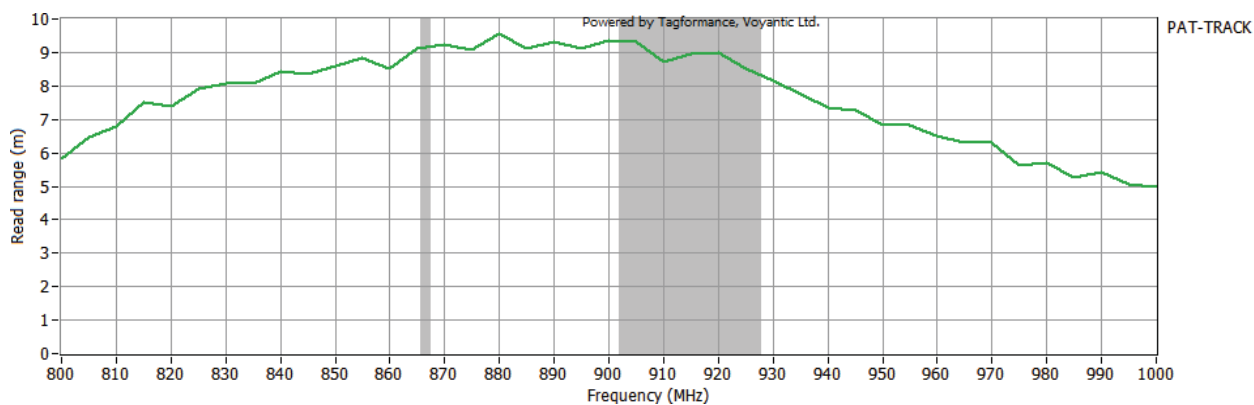
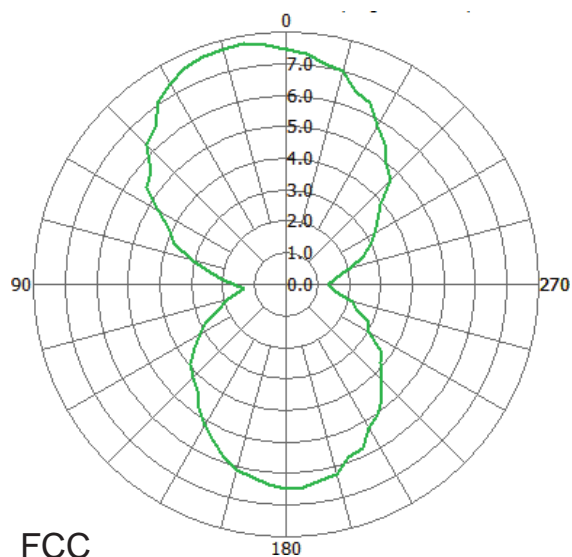
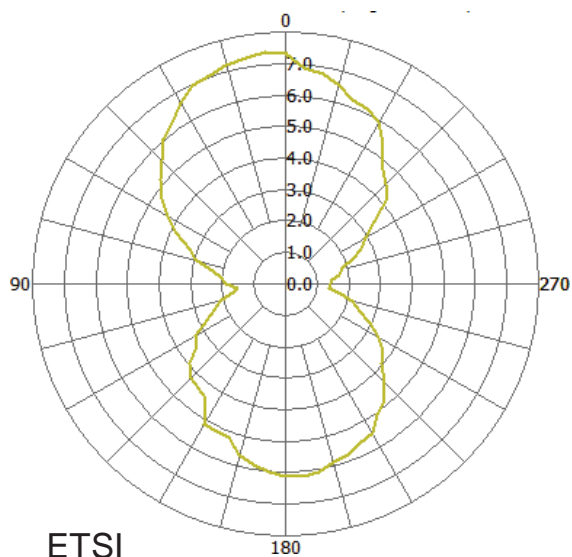
Part Number

- UID.RF.TA.DT.PTTK

Roll Details

- 125 Bands / Roll (4 rolls/box, 5 boxes/carton)

RADIATION PATTERN & READ RANGE GRAPH (ETSI & FCC)



* Other IC's available on request

** The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.



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