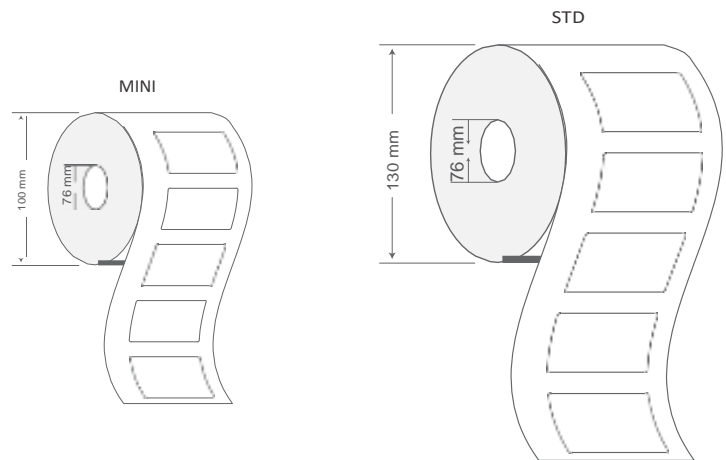


SIVA's Aerial Micro is a small sized white PET label designed for application on a wide range of non-metallic objects, offering global performance even on frequency detuning materials like cardboard & plastic.

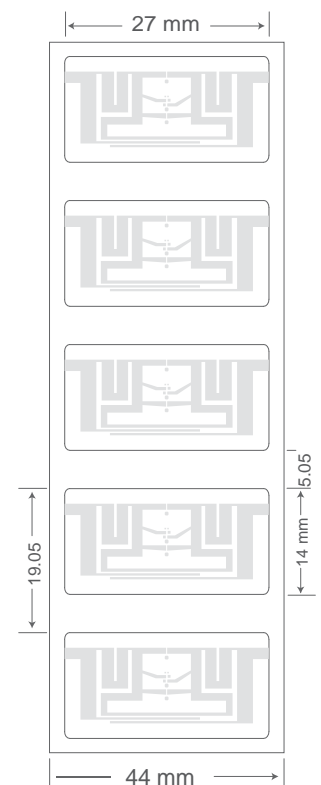
Great for applications where label application area is limited, making it ideal for deployment across a multitude of applications.

### TYPICAL APPLICATIONS

- Pharmaceutical
- Cosmetics & beauty products
- Indoor Asset Management



PHYSICAL SPECIFICATION	
Face Stock	Printable white, PET resin ribbon is recommended
Label Sizes	27.0 x 14.0 x 0.2 mm 1.062 x 0.55 x 0.01 in
Adhesive	High performance permanent adhesive with excellent bonding to a variety of substrates
Weight	0.2 gm
Delivery Format	On reel
No. of Labels/ Reel	std: 2000 pcs   mini: 500 pcs
Label Pitch	19.05 mm / 0.75 in
Core Inner Diameter	76 mm / 3 in
Roll Outer Diameter	std: 130 mm / 5.11 in   mini: 100 mm / 3.93 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 18000-6C
Operational frequency	Global 860-960 MHz
IC type*	NXP UCODE 8
Memory configuration	EPC Size 96 - 128 Bits
Write cycle endurance	100,000
Data Retention	Upto 20 years
Read range (2W ERP)**	ETSI : On Plastic 3.5 m / 11.5 ft, On Cardboard 2.5 m/8.2 ft FCC : On Plastic 3.5 m / 11.5 ft, On Cardboard 2.5 m/8.2 ft
Applicable Surface Materials	Non-metallic surfaces

# ENVIRONMENTAL RESISTANCE

Operating Temperature	-20°C to +70°C / -4°F to +158°F
Withstands Exposure To	95% humidity, 60°C × 100 h, 50% humidity, 80°C × 100 h
Peak Temperature	+100°C for 1 hr, +80°C for 100 hrs (Label remains securely attached with object. No physical or performance changes observed)
Adhesive Service Temperature	-20°C to +85°C / -4°F to +185°F
Recommended Application Temperature	+10°C to +38°C
Water Resistance	IP67
Chemical Resistance	No physical or performance changes in: - 168 h Salt water (salinity 10%) exposure - 168 h Motor oil exposure - 12 h NaOH (10%) exposure - 30 min Acetone exposure
Ideal Storage Condition	+23°C / 50% RH
Expected Lifetime	Years in normal operating conditions

## PRODUCT INSTALLATION



- Ensure the application surface is not uneven and is clean and dry, to obtain maximum bond strength. If required, use approved cleaning solvents to clean surface.
- Avoid touching the backside of the label while mounting it

## PERSONALIZATION OPTIONS

### Pre-encoding

- Customer specific encoding of EPC

### Customized Printing

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

## ORDER INFORMATION

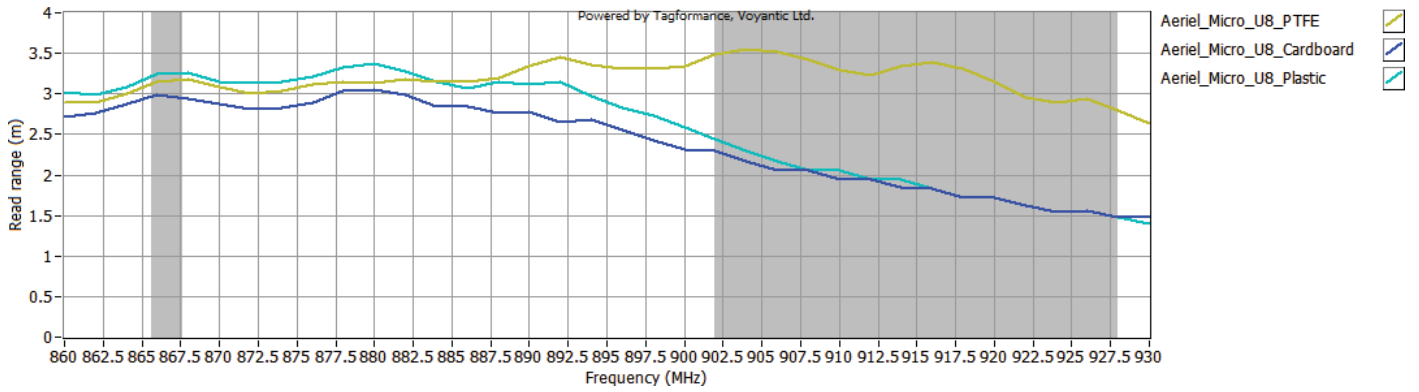
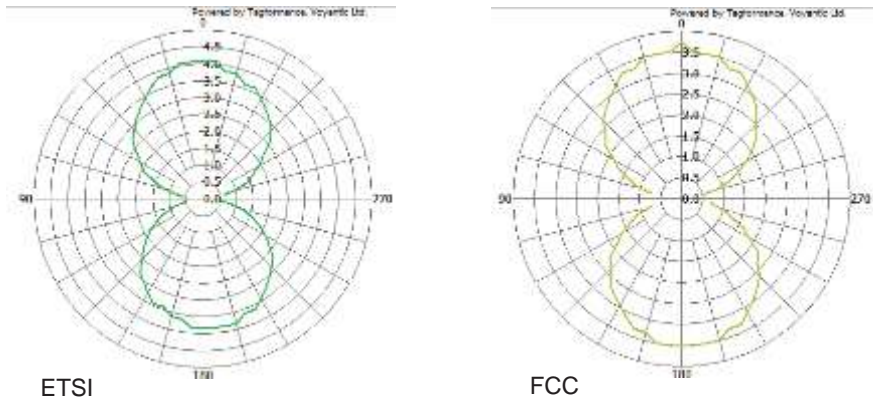
### Part Number

- RF.Li.TT.AerialM.U8

### Roll Sizes

- std: 2000 Labels per Roll / 4 Rolls per Carton
- mini: 500 Labels per Roll

# RADIATION PATTERN & READ RANGE GRAPH ( ETSI & FCC)



For more information, visit: [www.rfidcanada.com](http://www.rfidcanada.com)

Email: [info@rfidcanada.com](mailto:info@rfidcanada.com)

+1 905-513-8919

\* 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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