



NXP® UCODE® 9 ARC Certified Coated paper RFID UHF Label

SKU:	RS-G95-CP-3454
Chip Type:	NXP® UCODE® 9
Frequency:	UHF 860-960 MHz
EPC Memory:	96 bits
Protocol:	ISO/IEC 18000-63, EPCglobal Gen2v2.1
Read Range:	Up to 17m (ETSI standard) Up to 20m (FCC standard)
Industry:	Retail, Apparel and Fashion, Jewelry, Logistics
Applications:	Asset Tracking, Electronics, Jeweleries & Sunglasses, Gaming and Toys, Inventory, Warehouse

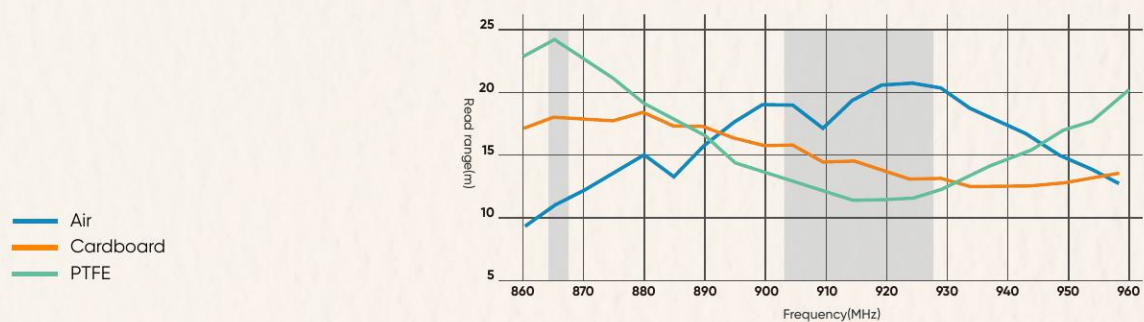


The ARC-certified RFID label is designed for Walmart merchants to support item-level tracking of apparel and other retail products. It enables efficient data capture for inventory control, supply chain management, and brand protection against counterfeiting. With an embedded RFID chip, the label allows data to be read by RFID readers and transmitted to backend systems for real-time processing and monitoring.

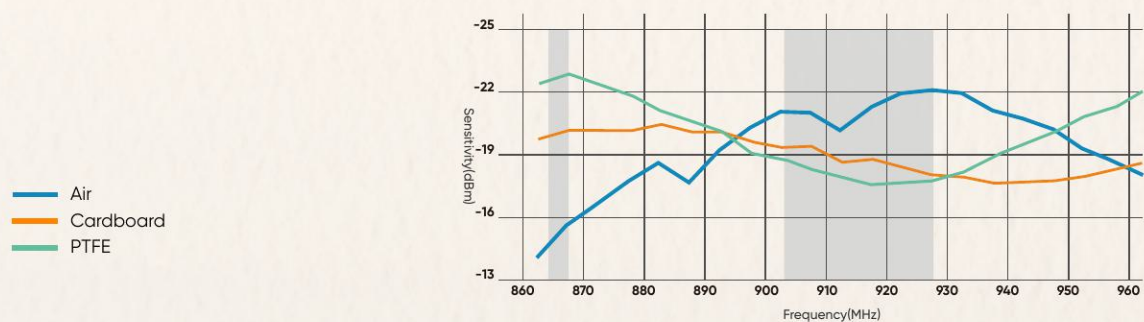
This label is fully compliant with EPCglobal Gen 2v2.1 and ISO/IEC 18000-63 international standards, ensuring global interoperability and consistent performance across retail and logistics environments. Its certification makes it suitable for large-scale retail deployments and essential for meeting Walmart's RFID program requirements.

Reading performance

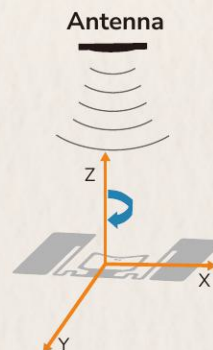
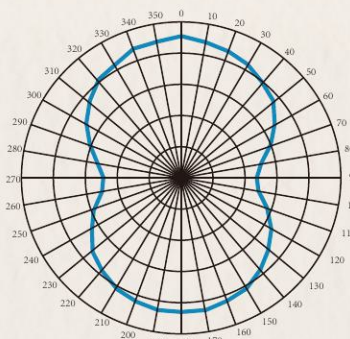
Reading range under different frequency



Tag power under different frequency



Orientation Sensitivity



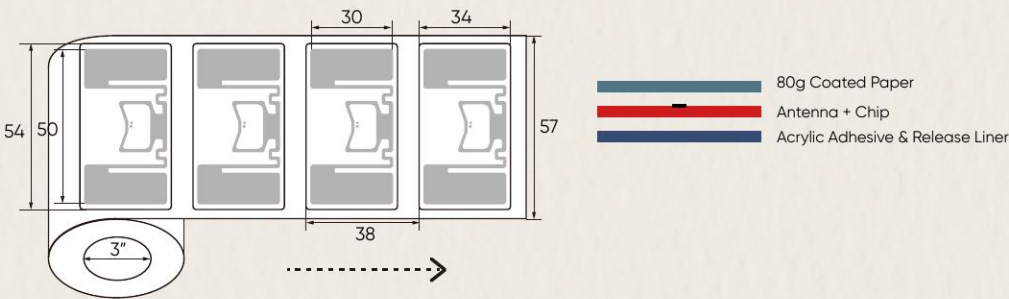
Inlay is rotated in the x,y axis, fixed in z axis
(Tag shown at 0° with respect to face of antenna)

Physical Information	Material	Coated Paper
	Size	54×34 mm
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Paper Carton, Plastic, Wood
	Surface	Stick
	ARC Specs	F, I, L, O, Q, R, W5, W6, Y2
	Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Labels with black-dot marks are bad ones, do not use.

Technical Information	Operating Frequency	UHF 860-960 MHz
	Communication Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2.1
	Read Range	Up to 17m (ETSI standard) Up to 20m (FCC standard)
	Chip Type	NXP® UCODE® 9
	EPC Memory	96 bits
	Security Features	32 bits kill password

Packing Information	Packing Format	Packed in roll, vacuummed packing in ESD bag.
	Roll OD	Max. 230 mm
	Core ID	3 inch/76.2 ± 0.50mm
	Packing Quantity	3500 Pcs/roll, per roll 3.5 kg

Label Dimensions
(Unit: mm)



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment. ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage. ● **Product Updates and Revisions:** rfidbridge.com may change products, specs, or services at any time without prior notice. ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications. ● **Legal Notice:** Information is believed accurate but may change rfidbridge.com s not liable for use-related issues or outcomes.