joaneo
Printing Smart Inlays

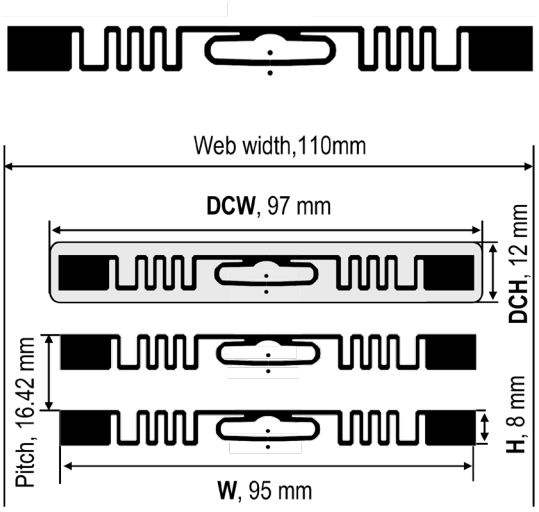
traceID

LARGE DIPOLE TRU8-P

This large size UHF inlay is perfectly suitable for returnable transport items, pallets tagging in supply chain, logistics, and inventories. Its performance is also appropriate for retail item-level deployments or tagging of apparel. This paper inlay can be recycled together with cardboard or paper packaging materials.

GENERAL SPECIFICATIONS

- Frequency: Global (860-960 MHz)
- IC: NXP UCODE 8, 8m
- Protocols: RAIN RFID/ ISO 18000-63 and EPC global Gen 2v2 compliant
- Substrate: cast-coated white high-gloss paper 80 g/m² (standard), PET or specialty substrates on request
- Product available as inlay, or antenna only



W: Antenna width **H**: Antenna height
DCW: Die-cut width **DCH**: Die-cut height

APPLICATIONS

- Returnable transport items
- Pallets and box tagging in logistics & supply chain
- Tracking and tracing through larger portals
- Retail and apparel

PRODUCT CHARACTERISTICS

- Antenna material: conductive silver ink
- Finishing options: dry inlays, wet inlays to your specific adhesive requirements upon request
- Customization and alternative ICs on request
- Final Inspection: 100% tested, faulty tags marked

RFID CHIP SILICON

EPC Memory: up to 128-bits

User Memory: up to 32-bits

Operating temperature range: -40 °C up to +85 °C

Read sensitivity: -23 dBm

Write sensitivity: -18 dBm

MECHANICAL DIMENSION

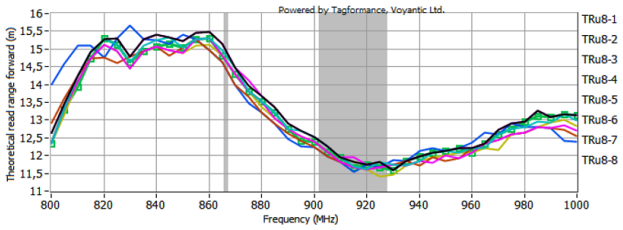
Antenna Size: 95 x 8 mm / 3.74 x 0.31 in

Label Size (standard on paper): 97 x 12 mm / 3.82 x 0.47 in

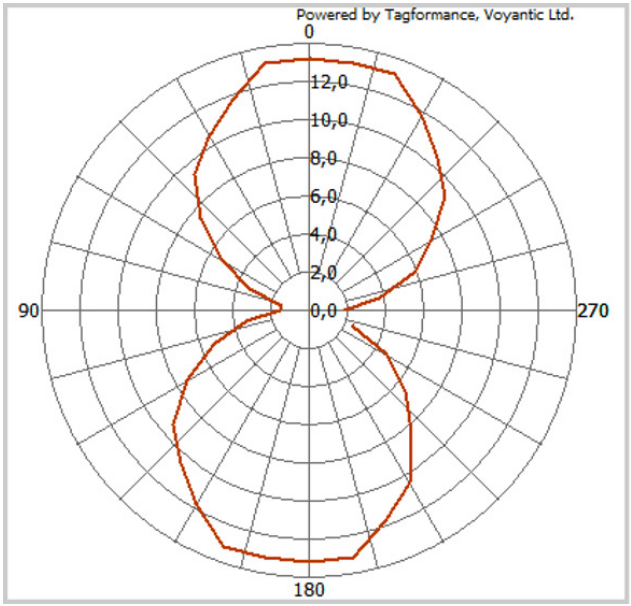
ABOUT US

Joaneo offers NFC and RFID antennas and inlays, printed on paper-based substrates, using an eco-friendly production process. All made in Luxembourg, from design to distribution.

TAG READ PERFORMANCE



Type: Theoretical read range forward (meters)
Operating frequency: RAIN RFID Global band (860 - 960 MHz).



Type: Far-field radiation pattern (free-space)
Frequency: 860 MHz

All graphs serve as indicators; actual performance in real-life applications may vary. The data has been determined based on calculations for transmitters with standard output power levels and corresponding IC selection.

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