

## HS ETSI (FCC) UHF RFID Matt White Antenna

### Product features

- UHF RFID antenna, RHCP
- Very low VSWR in all frequency range
- For wall or ceiling mounting
- 180° coverage
- 2 patches

### Available accessories

- RFID Reader

### Connectivity

- TNC - female: 2x

### Mechanical

|           |                    |
|-----------|--------------------|
| Width     | 52.2 cm (20.55 in) |
| Height    | 28.8 cm (10.16 in) |
| Thickness | 17.9 cm (7.05 in)  |
| Weight    | 0.85 kg            |

### Electrical (for a one patch)

|                         | EU (ETSI)      | US (FCC)       |
|-------------------------|----------------|----------------|
| Operating frequency     | 865-868 MHz    | 902-928 MHz    |
| Gain                    | 7.5 dBiC       | 7.5 dBiC       |
| Polarization            | circular       | circular       |
| Front to Back ratio     | > 20 dB        | > 20 dB        |
| Axial ratio             | 2 dB typically | 2 dB typically |
| 3dB elevation beamwidth | 70°            | 70°            |
| 3dB azimuth beamwidth   | 70°            | 70°            |
| Input impedance         | 50 Ω           | 50 Ω           |
| VSWR / return loss      | < 1.3          | < 1.4          |

### Reading distance

for UHF RFID labels/tags  
Up to 800 cm (26.2 ft), depending on multiple factors as position, presence of metals or objects filled with liquid, used tags, power and more.

### Environmental

|                     |                                          |
|---------------------|------------------------------------------|
| Ambient temperature | 0-35°C (equipment for normal indoor use) |
| Relative humidity   | 0-90% (non-condensing)                   |

### Product order codes

|                 |             |
|-----------------|-------------|
| ETSI            | 25-041.2EUW |
| FCC             | 25-041.2USW |
| UHF RFID reader | 18-333      |

