

## Callidus S 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
- 90° coverage
- 1 patch (1x TNC female)

### Available accessories

- RFID Reader

### Connectivity

- TNC - female: 1x

### Mechanical

Width	24 cm (9.45 in)
Height	18 cm (7.09 in)
Thickness	12 cm (4.72 in)
Weight	0.4 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

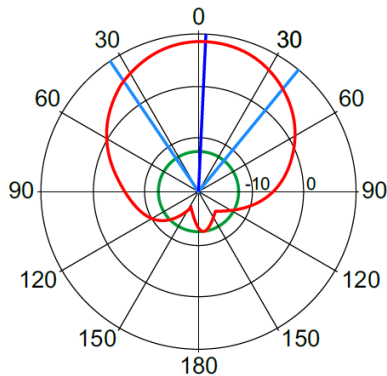
for UHF RFID labels/tags  
Up to 800 cm (26.2 ft), depending on multiple factors as position, presence of metals or objects filled with liquid, used tags, power and more.

### Environmental

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

### Product order codes

ETSI	25-041.1EUW
FCC	25-041.1USW
UHF RFID reader	18-333



Theta / Degree vs. dBi

