

## Proprietary UHF band Antenna

*FCC ID: RTF-DDM6*

*IC: 11555A-DDM6*

Brief description of the antenna

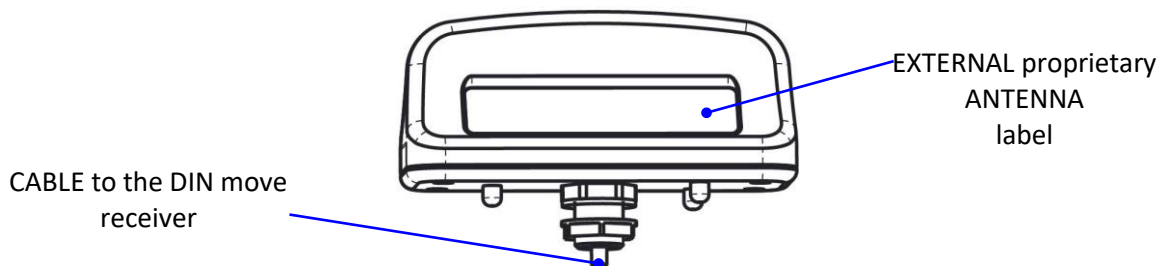
This antenna operates in the 902-928 MHz frequency spectrum.

Other antenna brands are not compatible with the product and will not work.

Only the REMdevice proprietary antenna is allowed.

RF Exposure: fixed installation device

the distance of use is not relevant as the operator with the transmitter (mobile device) is at least a few meters away from the receiver (this fixed device) furthermore the radiated power in the case of operating mode as a radio transceiver is very low.



Model: UHF band antenna

### ANTENNA TECHNICAL SPECIFICATIONS

Working frequency: 902-928 MHz

Antenna Gain = 2,5 dBi

Housing protection rating: IP 65, material: PA6 FV

Dimensions: 128 × 72 × 50 mm (W×H×D)

Weight: 140 g



The comparison between the value of the radiated power measured in an anechoic chamber and the value of the radiated power analytically calculated starting from the measured conducted power confirms the antenna gain calculated 2.36 instead of the nominal 2.5 declared above in the antenna specifications.

$E = (V(30 \times P \times G))/d$				
E [dBuV/m] <b>calculated</b>	E [V/m]	P [W]	G numerico	d [m]
102,23	0,129271	0,0029107	1,7223	3
E [dBuV/m] <b>measured</b>		P [dBm]	G [dBi]	
102,23		4,64	2,36	

Segalla 22136335

