

antennas range



OPTIMISE THE RANGE OF YOUR PRODUCTS !

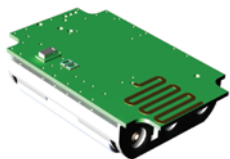
According to the wanted range and directivity, Newsteo is able to propose the antenna corresponding to your needs.

RANGE

	Loop	WHIP 1/4 Wavelength	1/4 Wavelength Ground Plane	1/2 wavelength	Full wavelength	Yagi 7
Loop	30m					
WHIP 1/4 Wavelength	170m	850m				
1/4 Wavelength Ground Plane	180m	900m	910m			
1/2 wavelength	240m	1,2 km	1,2 km	1,7 km		
Full Wavelength	300m	1,5 km	1,6 km	2,2 km	2,8 km	
Yagi 7	600m	3,1 km	3,1 km	4,4 km	5,5 km	11 km

The given ranges are indicative. They can be dependent on the directivity of the antenna and are given in free space. They must systematically be validated in the real environment.

Technical Specifications



Loop Antenna

- Antenna directly integrated in the product itself
- Real size of the antenna : 1,2 cm x 1,2 cm x 0,2 cm



WHIP 1/4 Wavelength Antenna

- Light and mobile antenna.
- Real size of the antenna : 8,6 cm x 1 cm x 1 cm
- Ref. : ANT40



Ground plane antenna

- 1/4 wave antenna with limited mobility but omnidirectional
- Real size of the antenna : 22 cm x 15 cm x 15 cm
- Ref. : ANT41



1/2 Wavelength Antenna

- Light and mobile antenna
- Real size of the antenna: 15 cm x 1 cm x 1 cm
- Ref. : ANT20



Full Wavelength Antenna

- Light antenna for a high range
- Real size of the antenna : 41 cm x 24 cm x 24 cm
- Ref. : ANT11



Yagi 7 Antenna

- Yagi antenna 7 branches is very directionnal
- Real size of the antenna : 45 cm x 20 cm x 5 cm
- Ref. : ANT97