Newsteo is able to propose the antenna corresponding to your needs.

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

<table>
<thead>
<tr>
<th></th>
<th>Loop</th>
<th>WHIP 1/4 Wavelength</th>
<th>1/4 Wavelength Ground Plane</th>
<th>1/2 wavelength</th>
<th>Full wavelength</th>
<th>Yagi 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loop</td>
<td>30m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WHIP 1/4 Wavelength</td>
<td>170m</td>
<td>850m</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/4 Wavelength Ground Plane</td>
<td>180m</td>
<td>900m</td>
<td>910m</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/2 wavelength</td>
<td>240m</td>
<td>1,2 km</td>
<td>1,2 km</td>
<td>1,7 km</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full Wavelength</td>
<td>300m</td>
<td>1,5 km</td>
<td>1,6 km</td>
<td>2,2 km</td>
<td>2,8 km</td>
<td></td>
</tr>
<tr>
<td>Yagi 7</td>
<td>600m</td>
<td>3,1 km</td>
<td>3,1 km</td>
<td>4,4 km</td>
<td>5,5 km</td>
<td>11 km</td>
</tr>
</tbody>
</table>

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

### Angle ¼ Wavelength antenna
- 0 to 90° Rotation
- To directly screw onto the product
- Real size of the antenna: 11 cm x 1 cm x 1 cm
- Ref. : ANT44

### 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

### Full wavelength magnetic foot antenna
- Indoor, discreet and easy to install thanks to its magnetic foot.
- Real size of the antenna: 29.5 cm x 5.5 cm x 5.5 cm
- Ref. : ANT14

### Whip Full wavelength antenna
- Long range
- To directly screw onto the product
- Real size of the antenna: 25.5 cm x 1.7 cm x 1.7 cm
- Ref. : ANT10

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