

# YAGI-RAY-900 11 & 15dBi

## 860 to 960 MHz Operation

**Features**

- High gain
- Available in 11dbi as well as 15 dBi
- Aluminium construction means no-corrosion
- Colour grey is military approved epoxy finish – blends in
- Low wind loading
- Simple installation
- Vertical or horizontal polarization
- DC grounded



**Applications**

- GSM900
- WISP CPE equipment
- Non line of sight

**Description**

The NLOS series antenna systems offered by LinkWorld are constructed of aluminium for outstanding service life. Individual elements are screwed to the main beam for permanent attachment giving consistent signal performance because of ensured conductivity across the antenna surface. These antennas have high gain and good front to back performance to minimise external interference. They can be mounted in vertical polarization for GSM900. They come standard with pigtail terminated with N Type female connector, 50mm pole mount bracket and two U bolts. They are weather proof UV resistant and rust proof.

### Specifications

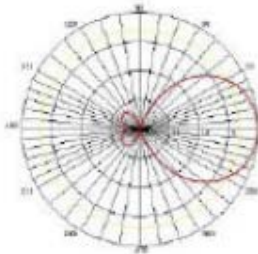
Parameters	Min	Typ	Max	Units
<i>Frequency Range</i>	<b>860</b>		<b>960</b>	<b>MHz</b>
<i>VSWR</i>		<b>1.5:1</b>		
<i>Impedance</i>		<b>50</b>		<b>Ω</b>
<i>Input Power</i>			<b>100</b>	<b>W</b>
<i>Pole Diameter (OD)</i>	<b>1 (25)</b>		<b>2 (51)</b>	<b>Inch (mm)</b>
<i>Operating Temperature</i>	<b>-45</b>		<b>+70</b>	<b>Deg C</b>
<i>Rated Wind Velocity</i>			<b>125 (56)</b>	<b>Mph (m/sec)</b>
<b>960-960 MHz</b>	<b>11dBi</b>	<b>15dBi</b>		<b>Units</b>
<i>Gain</i>	<b>11</b>	<b>15</b>		<b>dBi</b>
<i>Number of radiating elements</i>	<b>7</b>	<b>12</b>		<b>ea</b>
<i>Beamwidth</i>	<b>50</b>	<b>30</b>		<b>deg</b>
<i>Front to back ratio</i>	<b>&gt;16</b>	<b>&gt;20</b>		<b>dB</b>
<i>Weight</i>	<b>.9</b>	<b>1.25</b>		<b>kg</b>
<i>Packaging size</i>	<b>80 x 26 x .8</b>	<b>139 x 26 x .8</b>		<b>cm</b>

System code for ordering:

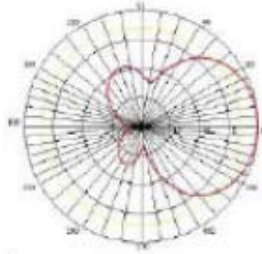
Yagi Ray900-11      GSM YAGI 8/E RAD 900MHz 11 dBi  
 Yagi Ray900-15      GSM YAGI 13/E RAD 900MHz 15 dBi



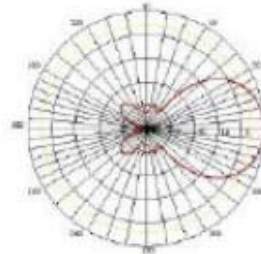
## Antenna Patterns at 925 MHz



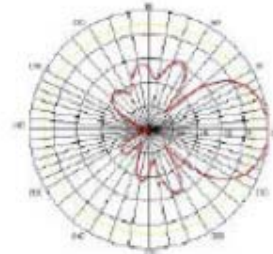
YA9-9 E Plane



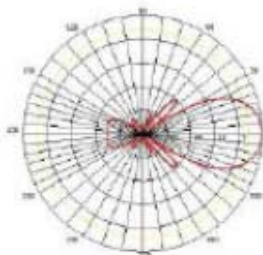
YA9-9 H Plane



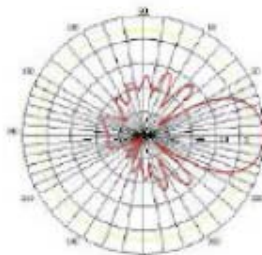
YA9-11 E Plane



YA9-11 H Plane



YA9-13 E Plane



YA9-13 H Plane