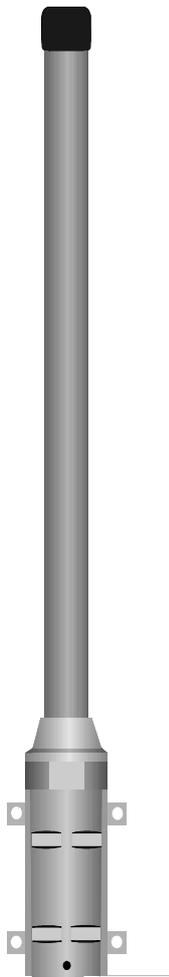


## **BASE STATION ANTENNA**

**BSL - VHF 100-175 MHz**



**The omnidirectional antenna, vertically polarized, produced in versions covering the whole VHF band. Waterproof construction and careful material selection ensure dependable service in all environments. Considering lack of radials the antenna is recommended for highland applications and version with cover made of fiberglass ensure resistance to wind in all environments. This is the version of the BS 150 antenna without radials.**

## ELECTRICAL

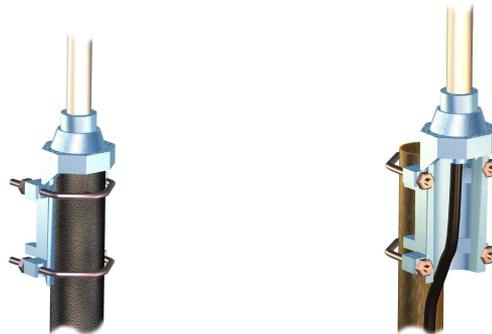
<b>Gain (ref. to <math>\lambda/2</math> dipole)</b>	2,0 dB
<b>Horizontal radiation pattern</b>	Omnidirectional
<b>Impedance</b>	50 $\Omega$
<b>Antenna type</b>	5/8 $\lambda$
<b>VSWR</b>	$\leq 1,2$
<b>Maximum power</b>	50 W
<b>Bandwidth</b>	4 MHz
<b>Vertical radiation pattern</b>	
<b>Horizontal radiation pattern code (H-plane)</b>	000ND00 (CEPT Recommendation T/R 25-08)
<b>Vertical radiation pattern code (E-plane)</b>	039DE00 (CEPT Recommendation T/R 25-08)

## MECHANICAL

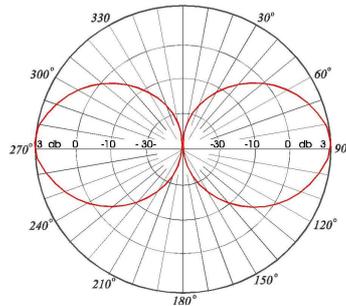
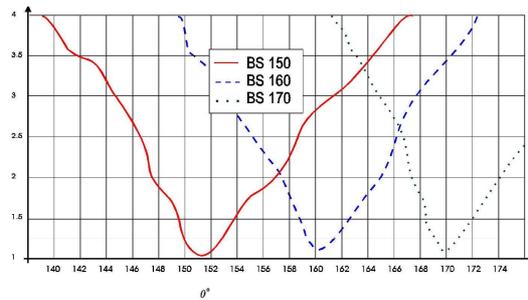
<b>Connector</b>	N
<b>Material</b>	Aluminium covered with powder varnish, PCV
<b>Polarization</b>	vertical
<b>Diameter of mounting mast</b>	40-80mm
<b>Weight</b>	3 kg
<b>Lightning protection</b>	galvanic, additional wire
<b>Total height</b>	1500 mm
<b>Colour</b>	grey
<b>Warranty period</b>	2 years
<b>Packaging</b>	Carton box
<b>Distance between mounting handles</b>	95 mm
<b>Wind speed</b>	40 m/s

## CLIMATIC CONDITIONS

<b>Temperature range</b>	-40°C ÷ +70°C
<b>Humidity</b>	< 100% at +40°C



Mounting versions

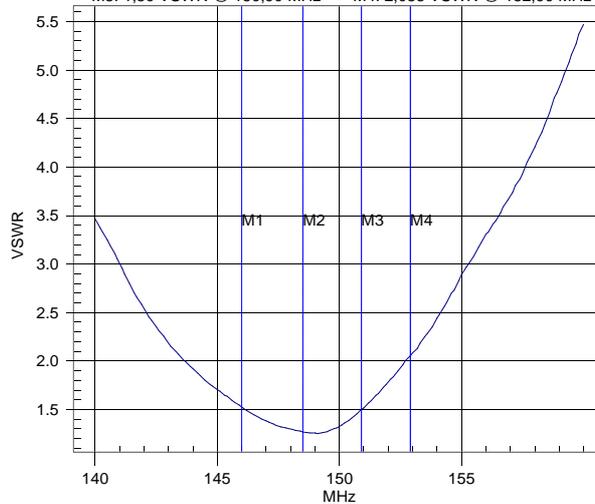


VSWR and vertical radiation pattern

### BS148

140,00 - 160,00 MHz (cal on, cw on)

M1: 1,525 VSWR @ 146,00 MHz    M2: 1,268 VSWR @ 148,50 MHz  
 M3: 1,50 VSWR @ 150,90 MHz    M4: 2,053 VSWR @ 152,90 MHz



VSWR@ 148,5 MHz  
 ( measuring by Anritsu Sitemaster)



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