



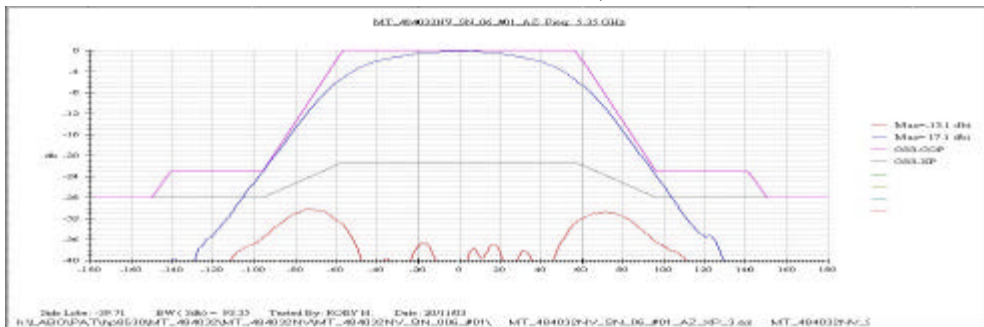
## BS ANT 5.15 - 5.875/90V - P/N 858170

### Technical Specification

<b>Marketing P.N</b>	<b>858170</b>
<b>Production P.N</b>	<b>AN1252</b>
<b>ANT.TYPE</b>	<b>SECTOR 5.15-5.875GHz /90V 17dBi</b>
<b>REG. COMP.</b>	<b>ETSI EN 302 085v 1.1.2 CS3.</b>
<b>1. <u>ELECTRICAL</u></b>	
<b>FREQ. RANGE</b>	<b>5.15 - 5.875GHz</b>
<b>GAIN</b>	<b>17dBi (min)</b>
<b>VSWR</b>	<b>1.7:1</b>
<b>AZ. B.W (3dB)</b>	<b>90° +/- 6°</b>
<b>EL. B.W (3dB)</b>	<b>7° (typ)</b>
<b>ELEC. DOWNTILT</b>	<b>0°</b>
<b>POLARIZATION</b>	<b>Vertical</b>
<b>MAX INPUT POWER</b>	<b>20W</b>
<b>INPUT IMPEDANCE</b>	<b>50 Ohms</b>
<b>F/B RATIO</b>	<b>-30dB (max)</b>
<b>CROSS POLAR. (XPD)</b>	<b>-20dB (max)</b>
<b>2. <u>MECHANICAL</u></b>	
<b>DIMENSION (HxWxD)</b>	<b>530x260x11 mm</b>
<b>WEIGHT</b>	<b>2.5Kg (max)</b>
<b>CONNECTOR</b>	<b>N - Type female.</b>

<b>RADOME</b>	
<b>MOUNTING H.W</b>	<b>For 2-4 inch. Pole</b>
<b>OUTLINE DRAWING</b>	<b>AN1252</b>
<b><u>3. ENVIRONMENTAL</u></b>	
<b>TEMP. RANGE</b>	<b>Operating -40<sup>0</sup> C to + 65<sup>0</sup> C</b>
<b>VIBRATION</b>	<b>According to IEC 68-2-36</b>
<b>SHOCK</b>	<b>28g during 11ms x 3 times</b>
<b>WIND LOAD</b>	<b>EN 302 085, Table A.1, Table A.2 (Heavy duty).</b>
<b>WIND SPEED (Survival)</b>	<b>200Km/Hr</b>
<b>HUMIDITY</b>	<b>ETS 300 019-1-4 EN 302 085 (Annex A.1.1)</b>
<b>WATER IMMERSION</b>	<b>IP-67</b>
<b>SALT FOG</b>	<b>MIL-STD-810E.Method 509.3 for 200 hours, IEC 68-2-11</b>
<b>ICE LOADING</b>	<b>25mm</b>
<b>SOLAR RADIATION</b>	<b>ETS 300 019-1-4</b>
<b>SERVICE LIFE</b>	<b>&gt; 20 years</b>
<b>LIGHTNING PROTECTION</b>	<b>DC GROUNDED According to IEC 1000-4-5</b>

### BS 5.15 - 5.875 GHz 90V Antenna Patterns AZ-PATTERN



### EL-PATTERN

