

# Model SAT1713 Series X-Band Antenna Systems

## Specifications



<b>FREQUENCY</b>	<ul style="list-style-type: none"> <li>Tx - 9.75 to 9.95 GHz</li> <li>Rx - 10.15 to 10.43 GHz</li> </ul>
<b>EIRP</b>	<ul style="list-style-type: none"> <li>+ 67.0 dBmi</li> </ul>
<b>G/T</b>	<ul style="list-style-type: none"> <li>+11.5 dB/°K min</li> </ul>
<b>RECEIVED SIGNAL STRENGTH</b>	<ul style="list-style-type: none"> <li>-140 to -80 dBmi</li> </ul>
<b>POLARIZATION</b>	<ul style="list-style-type: none"> <li>RHCP</li> </ul>
<b>AXIAL RATIO</b>	<ul style="list-style-type: none"> <li>&lt;3dB</li> </ul>
<b>3 dB BEAMWIDTH</b>	<ul style="list-style-type: none"> <li>2.5° max between 3 dB pts. @ 9.75 GHz</li> </ul>
<b>FRONT TO BACK RATIO</b>	<ul style="list-style-type: none"> <li>35 dB min</li> </ul>
<b>FEED VSWR</b>	<ul style="list-style-type: none"> <li>1.5 : 1 max</li> </ul>
<b>ISOLATION Tx Rx</b>	<ul style="list-style-type: none"> <li>&lt;-67 dBm</li> </ul>
<b>RF POWER CAPABILITY</b>	<ul style="list-style-type: none"> <li>10 Watts CW</li> </ul>
<b>ANTENNA DIAMETER</b>	<ul style="list-style-type: none"> <li>36"</li> </ul>
<b>PRIME POWER</b>	<ul style="list-style-type: none"> <li>120 Volts 50/60 Hz</li> </ul>
<b>STOW SIZE</b>	<ul style="list-style-type: none"> <li>&lt;52 cubic ft</li> </ul>
<b>WEIGHT</b>	<ul style="list-style-type: none"> <li>200 lbs</li> </ul>
<b>PEDESTAL TRAVEL RANGE</b>	<ul style="list-style-type: none"> <li>EL - +85°/ -5°</li> <li>AZ - Full Motion 360°</li> </ul>