

# Model SAT1711 Manpackable Satellite Communications Antenna

Designed for use and transport by one person, the SAT1711 provides an extremely lightweight, low transport volume NATO communication platform for voice and data. Proven suitable for use in extreme environments, the SAT1711 can be assembled without tools by one person in under two minutes.

The SAT1711 weighs less than 5 pounds, and self-packages into a 15"x15"x5" envelope that is easily stowed in most standard issue backpacks.

SAT1711 is designed to be compatible with the users preferred data entry device. A rear antenna mounting area offers a convenient EMI shielded mounting surface for additional RF circuitry.

## Features

- Lightweight, Low Volume
- Rugged Construction
- Rapid One Man Deployment
- Interchangeable Petal Design
- NATO SHF Tx / Rx Capable



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## Electrical

<b>FREQUENCY</b>	<ul style="list-style-type: none"> <li>Tx : 7.90 - 8.40 GHz</li> <li>Rx : 7.25 - 7.75 GHz</li> </ul>
<b>GAIN</b>	<ul style="list-style-type: none"> <li>Tx : 32 dBi Nominal</li> <li>Rx : 31 dBi Nominal</li> </ul>
<b>VSWR</b>	<ul style="list-style-type: none"> <li>1.5 : 1 Max at GPO</li> </ul>
<b>POLARIZATION</b>	<ul style="list-style-type: none"> <li>Tx : RHCP</li> <li>Rx : LHCP</li> </ul>
<b>TX &amp; RX CONNECTORS</b>	<ul style="list-style-type: none"> <li>GPO</li> </ul>

## Mechanical

<b>DIAMETER</b>	<ul style="list-style-type: none"> <li>30"</li> </ul>
<b>STOWED SIZE</b>	<ul style="list-style-type: none"> <li>15" X 15" X 5"</li> </ul>
<b>WEIGHT</b>	<ul style="list-style-type: none"> <li>5 lbs</li> </ul>
<b>WIND</b>	<ul style="list-style-type: none"> <li>20 meters / second</li> </ul>
<b>TEMPERATURE</b>	<ul style="list-style-type: none"> <li>-30°C to +55°C</li> </ul>
<b>FINISH</b>	<ul style="list-style-type: none"> <li>NATO Green</li> </ul>