Quickly provide broadband IP access at any location with the rapidly deployable Viasat (MMT) AN/TSC-241. This multi-band capable SATCOM terminal delivers IP-based voice, video, and data networking over X-, Ku-, commercial Ka-, and military Ka-bands, including operation with Viasat’s high-capacity satellite service.

This portable flyaway terminal is ideal for Forward Operating Bases and emergency response operations, enabling warfighters and first responders to securely access networks and establish command post communications quickly and easily. The Viasat MMT delivers office-like network access, video conferencing, fast file transfers, real-time command and control, and situational awareness information. Dismounted warfighters can use this terminal to quickly access private government networks.

Providing several levels of satellite transport diversity across different networks and satellite constellations, the Viasat AN/TSC-241 is able to switch between an ArcLight® en-route mission comms network, a FDMA EBEM based point-to-point link for early entry operations, and a LinkWay™ MF-TDMA mesh at-the-halt network, simply via a software command. Additionally, the Viasat MMT is designed to switch between WGS-Ka, Commercial Ku, ViaSat-1 and ViaSat-2/3 constellations by following the standard operating procedures of a feed-arm swap.

The terminal includes a ruggedized Viasat CBM-400 modem that does not require additional equipment or tools for setup or operations. A single hardware platform that meets the needs of any mission and application, with waveforms for every satellite networking challenge or operational environment, the Viasat CBM-400 is interoperable with today’s networks while providing users with a path toward network convergence.

The Viasat MMT provides operators with a unique combination of flexibility, multi-level transport diversity, and access to Viasat’s high-capacity satellite constellations, enabling secure and resilient communications, in both benign and contested environments.
Viasat Multi-Mission Terminal AN/TSC-241

SPECIFICATIONS

USER SYSTEM FEATURES

- **Configuration**: Offset fed, 60 cm circular aperture
- **Finish**: Tan
- **Azimuth Range**: ± 25° (after coarse setup)
- **Elevation Range**: 10° to 90°
- **Leveling Capability**: ± 5°
- **Shore Power**: DC 24 VDC, AC power supply, universal AC up to 305 VAC, maximum terminal consumption: 200 W (depends on RF configuration)
- **Waveform Technology**: LinkWayS2™, Arclight®, EBEM, ViaSat-1 and ViaSat-2/3 Waveforms

ENVIRONMENTAL

- **Operating Temperature**: –40° to 55° C (depends on RF configuration) (Viasat High-Capacity Ka: –40° to 47° C)
- **Storage Temperature**: –40º to 60º C
- **Wind**: 30 mph, gusts to 45 mph (w/ anchors/sandbags)

SETUP AND POINTING

- **Assembly/Tear-Down Time**: < 15 mins for a minimally trained person
- **Satellite Acquisition Time**: < 15 mins

SYSTEM PARAMETERS

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>X-BAND</th>
<th>KU-BAND</th>
<th>MIL-KA BAND</th>
<th>Viasat High-Capacity KA</th>
</tr>
</thead>
<tbody>
<tr>
<td>RX Frequency Band</td>
<td>7.25 to 7.75 GHz</td>
<td>10.95 to 12.75 GHz</td>
<td>20.2 to 21.2 GHz</td>
<td>17.7 to 20.2 GHz</td>
</tr>
<tr>
<td>TX Frequency Band</td>
<td>7.9 to 8.4 GHz</td>
<td>13.75 to 14.5 GHz</td>
<td>30.0 to 31 GHz</td>
<td>26.5 to 30 GHz</td>
</tr>
<tr>
<td>Polarization</td>
<td>Manually switchable circular LHCP or RHCP</td>
<td>Manually switchable linear by 180°, cross polarization</td>
<td>Manually switchable circular LHCP or RHCP</td>
<td>Circular, RHCP/LHCP co-pol or cross-polarization</td>
</tr>
</tbody>
</table>

CONTACT

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