# FERRET-2 CHARACTERISTICS

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>RANGE</th>
<th>TOLERANCE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>2500-3200 Mc (Band 1)</td>
<td>± 1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9000-10,000 Mc (Band 2)</td>
<td>± 1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>59-650 Mc (Band 3)</td>
<td>± 1%</td>
<td></td>
</tr>
<tr>
<td>Pulse Repetition</td>
<td>40-20,000 PPS</td>
<td>± 50 µsec</td>
<td>PRF IS Measured by Counting Pulse Interval with a 20Kc Oscillator</td>
</tr>
<tr>
<td>Pulse Width</td>
<td>0.25-31 µsec</td>
<td>± 0.25 µsec</td>
<td></td>
</tr>
<tr>
<td>Time of Intercept</td>
<td>N/A</td>
<td>± 1 sec</td>
<td>Location of Emitters Can Be Determined From Time of Intercept</td>
</tr>
</tbody>
</table>

**Other Characteristics**

- Maximum Storage Capacity: 10,000 Intercepts (Using Fast Start-Stop Tape Recorder)
- Nominal Operating Altitude: 260 Nautical Miles
- Circle of Coverage: 180 Statute Miles
- Payload Weight: 300 Lb. (Estimated)
- Power Consumption: 175 Wt-Hr/Day

Payload Equip. Adjustments can be made via real time commands originating from the F-2 Payload Evaluation & Command Console.
# FERRET-I Characteristics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Range</th>
<th>Tolerance</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>2600-3200 MC (S-Band 1)</td>
<td>± 1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9000-10,000 MC (X-Band 2)</td>
<td>± 1%</td>
<td></td>
</tr>
<tr>
<td>Pulse Repetition</td>
<td>200-20,000 PPS</td>
<td>± 50 μSEC</td>
<td>PRF is measured by counting pulse interval with a 20KC oscillator</td>
</tr>
<tr>
<td>Frequency</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pulse Width</td>
<td>1 - 31 μSEC</td>
<td>± 1.0 μSEC</td>
<td></td>
</tr>
<tr>
<td>Time of Intercept</td>
<td>N/A</td>
<td>± 1 SEC</td>
<td>Location of emitters can be determined from time of intercept</td>
</tr>
</tbody>
</table>

## Other Characteristics

- Max. recording time between readouts: 16 minutes
- Nominal operating altitude: 260 nautical mi.
- Circle of coverage: 180 statute mi.
- Payload weight: 339 lb.
- Power consumption: 785 WT-HR/DAY