



*AeroAntenna Technology, Inc.*

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## **AT1621-20 Active Iridium Antenna**

### **User Manual**

AT15958284-01 Rev 1



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

To satisfy FCC RF exposure requirements for mobile transmitting devices, the minimum safety distance is 55 cm (21.7 inches). This separation distance should be maintained between antenna and people during operation of the antenna.

## 1 Important Safety Information Regarding Exposure to RF Signals



### WARNING

To satisfy FCC RF exposure requirements for mobile transmitting devices, the minimum safety distance is 55 cm (21.7 inches). This separation distance should be maintained between antenna and people during operation of the antenna.

## 2 Specifications

<b>EQUIPMENT TYPE</b>	Mobile or Fixed Base Station
<b>INTEGRATED OPERATING ENVIRONMENT</b>	[ x ] Commercial [ x ] Light Industry & Heavy Industry
<b>POWER SUPPLY REQUIREMENT</b>	9 to 36V DC, 30W maximum
<b>RF INPUT POWER RATING (US &amp; CANADA)</b>	30 dBm or 1.0 Watt peak (conducted)
<b>EIRP</b>	10.93 dBW Max
<b>DUTY CYCLE</b>	N/A
<b>TX OPERATING FREQUENCY RANGE</b>	1626.5 – 1660.5 MHz
<b>RX OPERATING FREQUENCY RANGE</b>	1525.0 – 1559.0 MHz
<b>RF INPUT IMPEDANCE</b>	50 Ohms
<b>MODULATION</b>	G1W
<b>EMISSION DESIGNATION</b>	86K1G1W
<b>ANTENNA TYPE</b>	Integral
<b>ANTENNA CONNECTOR TYPE</b>	Inmarsat: SMA (Female) GPS: SMA(Female)
<b>TEMPERATURE RATING</b>	
<b>STORAGE:</b>	-40°C to +80°C
<b>OPERATIONAL:</b>	-25°C to +55°C