


Mobile Satellite (MSAT) Telephone Specifications


Parameter	<u>ST221M</u>	<u>ST211</u>	<u>ST251</u>
G/T	-5 dB/K (5° to 50° el.) -4 dB/K (50° to 90° el.)	-16 dB/K	-14.6 dB/K
Operating Voltage	12V DC	12V DC	9.6V DC
Current Draw			
<i>Transmit</i>	2.4A	4.5A	2.4A
<i>Receive</i>	0.8A	1.8A	1.7A
Battery Life			
<i>Standby Time</i>	not applicable	not applicable	8 hours
<i>Talk Time</i>	not applicable	not applicable	1 hour
Communications Modes			
Voice	Full Duplex Digital Voice		
Voice	Half Duplex Digital Voice (Net Radio Option)		
Fax	Group III Facsimile at 4800 bps		
Data	4800 bps		
System Specifications			
Transmit Frequencies	1626.5 - 1660.5 MHz		
Receive Frequencies	1525.0 - 1559.0 MHz		
EIRP	12.0 - 16.6 dBW		
Polarization	Right-hand Circular		
Channel Spacing	6 kHz		

Physical Specifications


TU200A Common Transceiver Unit

	Weight	3.75 lbs	1.7 kg
	Width	8.9 in.	227 mm
	Length	7.75 in.	197 mm
	Height	2.1 in.	52 mm


AU201A Mid Gain Dome Antenna Unit

	Weight	3.0 lbs	1.4 kg
	Width	6.8 in.	170 mm
	Length	6.8 in.	170 mm
	Height	6.6 in.	165 mm


AU601B Fixed Site Antenna Unit

	Weight	16.1 lbs	7.3 kg
	Width	33.5 in.	851 mm
	Length	33.5 in.	851 mm
	Height	17 in.	432 mm

SZ100A Handset

	Weight	0.7 lb	0.3 kg
	Width	8.0 in.	203 mm
	Length	2.2 in.	56 mm
	Height	1.3 in.	33 mm

SZ300A Push-To-Talk Microphone

	Weight	0.9 lb	0.4 kg
	Width	2.5 in.	63 mm
	Length	4.75 in.	119 mm
	Height	1.0 in.	25 mm

OmniQuest ST251 Base Unit (NT100A)



Weight	5.3 lbs	2.4 kg
Width	11.3 in.	287 mm
Length	8.3 in.	210 mm
Height	2.0 in.	51 mm