

LINK	ANTENNA	RANGE
MHX910	Whip	
MHX910	Omni	
MHX910	Yagi	
MHX320	Whip	9km (LOS)
MHX320	Omni	31km (LOS)
MHX320	Yagi	
Iridium SATCOMM	N/A	Unlimited

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### GCS Limitations

#### Stage Box Electrical System Limitations (Suitcase Type)

AC Input	90-240 VAC / 50-60 Hz
DC Input	10-16 VDC
System Voltage Displayed (nominal)	14.8 V
Battery Back-up Fail	<9 V

#### Stage Box Electrical System Limitations (Benchtop Type)

DC Input (Main)	16 VDC
DC Input (Auxillary)	11-14 VDC
DC Transformer	Input: 100-250 VAC / 50-60 Hz Output: 16VDC / 2.8A
System Voltage Displayed (nominal)	13.3 V
Battery Back-up Fail	<9 V

#### Stage Box Environmental Limitations

Min Ambient Operating Temp 0°C  
Max Ambient Operating Temp 80°C

#### Uplink/Downlink Frequency

Microhard MHX320	390-395 MHz (user selectable)
Microhard MHX910	900 MHz Spread Spectrum Frequency Hopping
Iridium SATCOMM	1616 – 1626.5 MHz (TDMA/FDMA)

#### Uplink/Downlink Power

Microhard MHX320	1 W
Microhard MHX910	1 W
Iridium SATCOMM	0.6W

#### Communications Systems Datalink Ranges (km)

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Refer to payload documentation for any payload specific environmental limitations

Iridium SATCOMM

N/A

Unlimited

