

### ATTACHMENT A: GROUND SEGMENT

The CTC-0 satellite will communicate only with earth stations outside the United States. STI will conduct its mission through a network of ground stations that will initially consist of the commercial facilities listed below.

<b>Earth Station</b>	<b>Lat (°)</b>	<b>Long (°)</b>	<b>Downlink</b>	<b>Uplink</b>
Dundee, United Kingdom	56° 24' 16" N	3° 10' 33" W	UHF, S-band	UHF, S-band
Plana, Bulgaria	42° 28' 59" N	23° 26' 43" E	UHF, S-band	UHF, S-band
Azores, Portugal	36° 59' 51" N	25° 08' 14" W	S-band	S-band
Abuja, Nigeria	06° 58' 23" N	03° 41' 05" E	S-band	S-band

CTC-0 will also communicate with a limited number of unmodified consumer handsets in Nigeria. STI will maintain a closed list of device International Mobile Equipment Identity numbers that can transmit to and receive from the CTC-0 spacecraft. The handsets will operate in accordance with all applicable domestic laws.

The Mission Control Center for CTC-0 will be located at STI's headquarters at 2280 Avocado Ave Unit 12B, Melbourne, FL 32904. CTC-0 will be monitored at all times via automated and human systems, facilitating rapid response to any technical or regulatory concerns.

STI has initiated coordination efforts with Federal operators in its requested bands and will operate in accordance with the terms of any agreements.