

**Table 3-1. Earth Station Transmit Antenna Gains and Locations of TECRO's
Designated Representative, NSPO**

Location of Earth Station	Transmit Antenna Gain (dBi)	Latitude	Longitude	Station(s) ID
Chung-Li (Taiwan)	41.4	24.9713° N	121.192° E	S-Band TT&C1
Tainan (Taiwan)	43.0	22.9388° N	120.2756° E	S-Band TT&C2
Kiruna (Sweden)	41.0, 46.3	67.8896° N	21.0657° E	Remote Station 2,3
North Pole (Alaska)	38.0, 46.3	64.804° N	147.50° W	Remote Station 1,3
Western Australia (Dongarra)	46.3	29.046° S	115.349° E	Remote Station 3
South Point (Hawaii)	46.3	19.014° N	155.663° W	Remote Station 3

It is noted that the Western Australia and South Point earth stations are used exclusively for backup and will be used very rarely during the course of the mission.