

UPLINK & DOWNLINK Frequency Choices:

Orbit Type Selected:

Deep Space

Path Loss = $22.0 + 20 \log (S/\lambda)$

Slant Range for Orbit Option Selected:

3,999,000 km

NOTE:

Uplink:

Option:	Frequency:	Wavelength (λ):		Path Loss:	
#1:	145.800 MHz	2.056	meters	207.8	dB
#2:	437.500 MHz	0.685	meters	217.3	dB
#3:	1269.900 MHz	0.236	meters	226.6	dB
#4:	7145.000 MHz	0.042	meters	241.6	dB

Operator Selected Option: →

Uplink Frequency Choice:

4

7145.000 MHz

Path Loss for Orbit Selected:

241.6 dB

Downlink:

#1:	145.800 MHz	2.056	meters	207.8	dB
#2:	437.450 MHz	0.685	meters	217.3	dB
#3:	2405.000 MHz	0.125	meters	232.1	dB
#4:	32000.000 MHz	0.009	meters	254.6	dB

Operator Selected Option: →

Downlink Frequency Choice:

4

32000.000 MHz

Path Loss for Orbit Selected:

254.6 dB