

Ground Station Equipment List

Antenna:

General Dynamics (Prodelin) 1.2 meter Ka antenna model 3122-990 w/ 0800-4300. Circularly Polarized. 3 dB beamwidth, 0.57 degrees. Transmitt Gain, 49.1 dB

BUC (Block Up Converter)

eM Solutions Model, 01-252C. Serial Number, 0905024 Output frequency 29 – 30 GHz.

LNB (Low Noise Block Down-Converter)

Orbital Research, LTD Model LNB1825M-1000X-WN60-F4. Serial Number, 5249-001

TWTA (Traveling Wave Tube Amplifier)

CPI Model TL02KO – Special. Serial Number, WS170M1

Modem System

Modulator Viasat EFLM (Enhanced Forward Link Modulator) – Special

Demodulator Viasat VMBR-1520 – Special

Air Station Equipment List

Antenna:

ViaSat VR-12 – Special. Electrically Steered / Stabilized 12” diameter Ka-band parabolic antenna, circularly polarized. Integrated BUC, LNB, SSPA 10 Watts. 29 – 30 GHz. 3dB beamwidth 2.2°. Gain at 29.5 GHz, 36.3 dB.

Modem:

ViaSat VMBR-1501. Part Number 1150087. Serial Number 1002.