

TECHNICAL DETAILS OF SPECIAL TEMPORARY AUTHORITY

Satellite Characteristics

Satellite: Arabsat-6A Electric Orbit Raising
Orbital Location: 30.5° E.L.
Manufacturer: Lockheed Martin Corporation
Launch Vehicle: Falcon Heavy

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Earth Station Characteristics

Antenna: 14.2-m TIW Systems
Antenna Location: 40°38' 39.1" N / 075° 11' 27.8" W
Telecommand Uplink Frequencies:
13993.0 MHz (LHCP/RHCP) 13995.0 MHz (LHCP/RHCP)
Telemetry Downlink Frequencies:
11198.0 MHz (LHCP/RHCP) 11199.0 MHz (LHCP/RHCP)
Antenna Gain: 63.5 dBi @ 14 GHz
Antenna Power: 19.1 dBW (into the flange)
Maximum EIRP: 83.0 dBW for all carriers
EIRP Density: 57.25 dBW/4kHz
Uplink Emission: 1M50F2D
Downlink Emission: 1M00G8D