# Antenna Information

Lockheed Martin requests a 24month renewal of WA2XSX using the following antennas:

Antenna 1:

Manufacturer: Andrew Corporation
Model: UMW-09015-0DH
Manufacturer Specification: 1710 – 1880 MHz
Polarization: Vertical
Gain: 16.5 dBi
Beamwidth: 90° Azimuth x 6° Elevation
Maximum Site Elevation:
Maximum Mobile Antenna Height:

Antenna 2:

Manufacturer: Antenna Products Corp.
Model: AS-3226
Manufacturer Specification: 30 – 88 MHz
Polarization: Vertical
Gain: 2 dBi
Beamwidth: 360° Azimuth x 70° Elevation (Centered at Horizon)

Antenna 3:

Manufacturer: Antenna Products Corp.
Model: RMV-101 (P/N 7592367)
Manufacturer Specification 1: 1700 – 2000 MHz
Manufacturer Specification 2: 30 – 40 MHz
Polarization: Vertical
Gain: 5.5 dBi
Specification 1 Beamwidth: 360° Azimuth x 16° Elevation
Specification 2 Beamwidth: 360° Azimuth x 40° Elevation

Antenna 4:

Manufacturer: DAPA
Model: 44010, Panel Antenna
Frequency Range: 1710 – 1990 MHz
Polarization: Vertical
Gain: 14.6 dBi
Beamwidth: 60° Azimuth x 19° Elevation

The station location (1) West Palm Beach FL, within 81km, centered around NL 26-45-00, WL 75-55-27 proposes combinations of temporary mobile antennas above, connected one at a time per transmitter, no more than 6 transmitters. This site includes utilizing existing facilities of a maximum site elevation of 3.6m (11ft) above sea level, and a maximum antenna height of 53.5m (163ft) above ground to tip of the antenna.

Station Location (2) Cazenovia, NY, within 50km, centered around NL 42-52-36, WL 75-55-27 proposes combinations of temporary mobile antennas above, connected one at a time per transmitter, no more than 4 transmitters. This site includes utilizing existing test facilities of a maximum site elevation of 432m (1316ft) above sea level, and a maximum antenna height of 33m (100ft) above ground to tip of the antenna.