

## **EAPS Additional Data**

Miniature Telemetry Transmitter (MTT); Cobham Sensor Systems-Microwave Electronics Business Unit Lowell; P/N MATM-100002-S45C15

The antenna used with the MTT is a wraparound antenna type manufactured by Wraparound@ Antenna; P/N WA2-15020. It is a Two element cylindrical conformal slot array, linear polarized, tuned to 2200-2290 MHz, the main beam gain is 0dBi with the 1<sup>st</sup> Major side lobe at -2 dBi, the beam width is uniform in azimuth (Horizontal) and 30 deg. In elevation (Vertical)

The antenna is mounted on the flight test vehicle.

Lockheed Martin Unmanned Ground Station; P/N 83-78925

The antenna used with the UGS is a cavity backed slot type antenna; Model number 3790-RAS C-Band Flexislot; Manufacturer is Haigh-Farr Inc. ; Tuned to 4400-4500 MHz; RHCP Polarization; Main Beam Gain is +4 dBi; 1st Major Side Lobe Gain is -13 dBi; Beamwidth is 110 deg (-3 dB) (Horizontal); Beamwidth is 160 deg (-3 dB) (Vertical).

The antenna is mounted at the mobile ground station trailer to communicate with the flight test vehicle during prelaunch and flight.