

0094-EX-ST-2019

EL989151

#### Antenna Description

Aircraft Antenna: Antennas for UHF, Ku Band, and HF are mounted on aircraft. UHF antenna has 1.5 dBi gain. Ku Band antenna has 1.5 dBi gain. HF antenna has 0 dBi gain. For the request using 17 kHz to 59.99 kHz, a trailing HF antenna will be used only over the W602 range.

Ground control stations and TSTC Waco Airport: Antennas for UHF, Ku Band and HF are mounted on roof of aircraft hangar. UHF antenna has 4.5 dBi gain. Ku Band antenna with capability of tracking the aircraft has 6 dBi gain. HF antenna has 0 dBi gain. The trailing HF antenna will not be used while the aircraft is over land.