

The Mobile Instrumentation Radar Tracking System (MIRTS) is an X-band CW tracking radar capable of operation in the frequency range of 9 – 10 GHz. For the testing for which the STA is being applied for, the frequency range used will be 9.10 to 9.14 GHz. The transmit power will be 20 W. The antennas for the radar have a gain of 39 dBi, and are mounted on a pedestal capable of moving 360° in azimuth and 0° - 90° in elevation. The testing will consist of designed measurement exercises to track ground and airborne targets.