

Attachment to BAE Systems STA file no. 0560-EX-ST-2006

BAE Systems Information and Electronic Systems Integration Inc., located in Austin, Texas is submitting this application for a Special Temporary Authority (STA) license under rule section 90.159 to permit testing of a Ground Surveillance Radar (GSR). The radar model to be tested is model MDSR-2129 provided by 4D Security Solutions, Inc based in New York City. The identical radar is also available as the Advanced Radar Surveillance System ARSS-1 which is supplied by Telephonics Corporation based in Farmingdale, New York. The antenna is manufactured by Elta Systems located in Israel. The units of the radar will be tested under the STA.

The radar transmitter is not type accepted at this time. The STA application will permit BAE Systems to perform testing on the radars in order to evaluate the effectiveness of the radar in facilitating enforcement of US trade and immigration laws and other illegal activities. This activity is in support of a program administered by the Department of Homeland Defense.

The radars are to be tested on BAE Systems property in Austin, Texas, at test ranges in New Mexico by the New Mexico State University personnel and also at undefined sites along the US-Mexico border from Texas to California.

The radar operates on one of eight frequencies that are listed in the application. The radar is a pulse Doppler type radar that will scan 360 degrees in azimuth.

The radar is mounted on an erecting mast which is trailer mounted for mobile operation. The mast erects to a 72 feet height.

When testing the radar in the undefined areas along the US- Mexico border, test personnel shall select locations that are greater than 10 km from airport runways and that are compliant with the requirements of 47 CFR section 95.51 Antenna Height.