

Exhibit
Narrative Description of the GA Lynx SAR Test Range

General Atomics (GA) intends to develop, manufacture and test synthetic aperture radars (SAR). Part of the required testing involves operation of the SAR at low power in an outdoor radar test range. The test range setup consists of a SAR and, approximately 500 meters away, a rotating table. The transmitter of the SAR is directed towards various objects on the rotating table to test the SAR's imaging capability. SAR requires relative motion in order to form imagery. In normal SAR operation, the SAR is in motion and the scene to be imaged is stationary. The test range will employ the radar as an inverse SAR where the SAR will be stationary and the objects to be imaged will be moving. The present application refers to operation of the SAR on the test range.

Lynx is a high resolution, synthetic aperture radar (SAR) that has been designed and built By Sandia National Laboratories in collaboration with General Atomics (GA). Although Lynx can be operated on a wide variety of manned and unmanned platforms, its design is optimized for use on medium altitude unmanned aerial vehicles. In particular, it can be operated on the Predator, I-GNAT, and Prowler II platforms manufactured by GA.

Lynx weighs 119 lbs. and has a slant range of 30 km (in 4 mm/hr rain). It's operating frequency range is 15.2 GHz to 18.2 GHz and is capable of a very fine resolution in both spotlight and strip modes. In ground moving target indicator mode, the minimum detectable velocity is 6 knots with a minimum target cross-section of 10 dBsm. In coherent change detection mode, Lynx makes registered, very fine resolution complex image comparisons either of spotlight images or of strip images. The Lynx user interface features a view manager that allows it to pan and zoom like a video camera.

Lynx was developed under corporate funding from GA and will be manufactured by GA for both military and commercial applications.