



Exhibit 2

Proposed Program of Research and Experimentation

The proposed research involves the operation of a solid state array antennas, in both transmit and receive mode, in order to evaluate performance of the antenna and overall radar system. The system demonstrator system is a fully integrated radar demonstrator and test bed. The system is composed of radar system equipment that includes an S-Band Active Phased Array Antenna, an RF Processor, a Digital Signal Processor, a Radar Control Processor and a Radar Console. The System makes extensive use of support equipment that includes a Test and Evaluation Support System, a Site Safety System, and a boresight tower.

The integrated system will be used to conduct potential customer and business development demonstrations of LMCO Active S-Band Radar technology and serve as a test bed to reduce risk on future radar technologies, including SiC T/R modules and digital beam forming. The location of the demonstrator is shown in Figure 1.

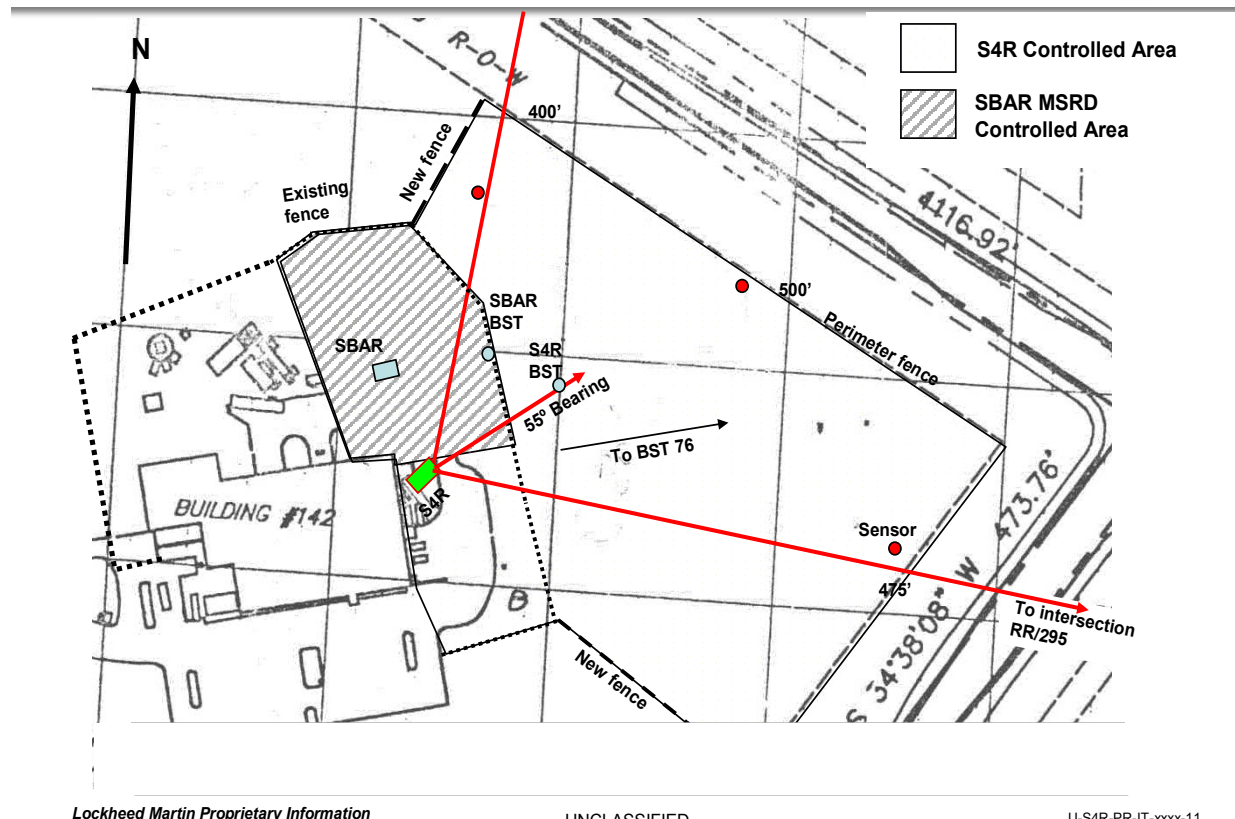
Additional on-facility test activity associated with this license modification is expected in support of US Navy contract N00024-02-C-2307 for the development of the Volume Search Radar (VSR) for the DD(X) advanced destroyer development program.

Solid State Scalable S-Band Radar

UNCLASSIFIED



142 Building Test Area (U)



Lockheed Martin Proprietary Information

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Figure 1 S4R Antenna Location