



KONGSBERG

FCC OET ELS Application

Form 442 Question 7: Experimentation Description

Confirmation No. EL516709

File No: 0036-EX-PL-2016

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Date: 22 January, 2016

To Whom It May Concern:

We intend to demonstrate to select customers the Kongsberg Seatex A/S Maritime Broadband Radio, a broadband network link between two or more units designed for the coastal marine/offshore commercial/academic/government sectors. There are many applications for this product but we will focus on using it for the demonstration of shore to boat/vessel network operations, including remote desktop, file transfer, voice and video over IP. Submitted photos show examples of simple deployment with a shore station (mounted on truck, with remote desktop computers inside) and a vessel (small survey boat), included as attachments with this document. The shore station in our case may consist of a vehicle with an antenna tripod. The boat will likely be similar in size.

This application is for the same equipment used in FCC File No. 0272-EX-RR-2015 Call Sign WG2XTC.

Hardware connected to the MBR units includes network switches on each end, two or more computers, and network video/voice devices. Power will be provided by boat/portable generator or shore power. Experimental outcomes will consist of network and user experience performance statistics.

The 40km radius area centered around Shilshole Marina is for the purposes of deployment location flexibility as well as reaching extended line-of-sight distances, which have exceeded 50km in tests along the coast of Norway. Shilshole Marina provides an opportunity to reach 40km in Puget Sound, however we would like to operate within that geographic area for smaller distance tests (such as Lake Washington if feasible).

Demonstrations are expected to run over 5 day intervals, roughly estimated five times throughout a given year.

Many thanks for your consideration.

Mark Amend

Kongsberg Underwater Technology, Inc.