

QUESTION 7: Purpose of Experiment

EXPERIMENTAL LICENSE APPLICATION

Globe Wireless Radio Services Inc.

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Globe Wireless Radio Services Inc. (GWRS) operate a network of US and foreign based HF Public Coast Radio Stations (PCRS). Due to the evolution of maritime communications technology, there is a consequential great reduction in the number of PCRS around the world. In order to provide a solid 24/7 and global back-up HF service when normal communications are disrupted, it is essential that networks of HF radio stations have a reliable technology enabling inter-station communications and control. GWRS has developed the technology to do. Such technology requires the use emission types J2D and J7D.

Consequently, GWRS hereby applies for a EXP license to permit the use of 2K8J2D, 2K8J7D, 5K8J2D and 5K8J7D on existing and appropriately FCC licensed frequencies. 5K8 (5.8 kHz) would be used only on those frequencies where such bandwidth is authorized or permitted through contiguous frequency authorizations. The use of contiguous channels for wider bandwidth emissions was approved at WRC-12. The frequencies listed are included in Public Coast Station license currently on file with the FCC. A grant of this EXP license would, consequently, be contingent up the grant of the Coast Station license.

Objective:

Prove that continuous communications with and control of other stations in the network is possible.

Outcome:

Provision of a valuable addition to the capabilities of a global maritime emergency communications service.

Duration:

A duration of 24 months is requested in order to cover all seasonal propagation conditions and a range of sun spot cycle conditions. After the period of experimentation, the existing coast station licenses would be used to put the technology into regular service.

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For

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