

FCC Form 2442 Exhibit 1 Authorization Explanation

Paragraph 11.

a. Thales Mackay Radio, Inc. (TMR) is a member of the HF Industries Association (HFIA) sponsored by the Armed Forces Communications and Electronics Association. As such, TMR has in the past participated in the development of high frequency radio standards with the Federal government and other HFIA members. TMR wishes to resume participation which had lapsed during restructuring of the company in 1998. TMR held an experimental call sign KC2XJB for many years.

b. TMR wishes to participate in activities related to development of MIL-STD-188-141: *"Interoperability and Performance Standards for Medium and High Frequency Radio Systems"*.

Specific activities include over the air testing of automatic link establishment systems, waveform enhancements, and user applications such as hf radio email.

c. Historically TMR participated in development of the first generation automatic link establishment standards through over the air testing with National Telecommunications Information Agency and other HFIA member companies. This participation between the federal government and industry has proven effective in furthering advances in hf radio communications.

Information:

AGENCY: US Department of Commerce, National Telecommunications Information Agency, ITS

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