



EXHIBIT #1

July 2, 1998

Roger Kochevar, P.E.
Administrative Engineer
MNDOT, 161 Saint Anthony, Suite 900
St. Paul, MN 55103

Dear Roger:

Subject: Request for Frequency Coordination

Lockheed Martin Tactical Defense Systems (LMTDS) in Eagan is developing advanced communications concepts for use with the US Military. One aspect of this project is to demonstrate interoperability between the military and Public Safety entities. To do this, we will need to have the ability to transmit in the Public Safety bands. Initially, we would like to use conventional channel, and a trunked channel later on, probably next year or later. Our use of these channels would be on an experimental basis, and very infrequent - most likely a few times a year.

We are seeking an experimental license under Part 90, Subpart Q, Developmental Operations. Lockheed is willing to cooperate fully with restrictions in order to prevent interference with primary users.

The frequencies requested are in the Public Safety bands, VHF-HB, 450MHz, 800MHz and 900MHz. The FCC documents will be prepared and submitted to the FCC by Claude Wells of our Baltimore office.

The types and emissions that I can pin down are as follows:

- 900MHz - EFJohnson/Transcrypt: 11K0F1D, 16K0F3D, 16K0F3E
- 800MHz - Ericsson: 16K0F3E, 15K0F2B, 15K0F2D, 15K0F1D, 15K0F1B,
14K0F3E, 13K0F2B, 13K0F2D, 12K0F1D, 12K0F1E
- 450MHz - Motorola: ??
- VHF-HB (136-174MHz) - Kenwood: F3E

806-824
851-859

Thank you for your time and efforts on our behalf. If you have questions, please call me at (612) 456-2023 or Claude Wells at (410) 682-2156.

Sincerely,

TLHoke, P.E.
Lockheed Martin TDS

Author: Terry L (Exchange) Hoke at MAILHUB
Date: 06/24/98 08:23 AM
Priority: Normal
TO: Claude Wells at BAL-LEGACY-CC-P
Subject: RE: Need some additional info for trunked experimental.

----- Message Contents -----

The proposed handhelds will operate at one watt power levels using 0dBi or less antennas.

The types and emissions that I can pin down are as follows:

The 900MHz unit is from EFJohnson/Transcrypt 11K0F1D, 16K0F3D, 16K0F3E

The 800MHz unit is from Ericsson 16K0F3E, 15K0F2B, 15K0F2D, 15K0F1D,
15K0F1B, 14K0F3E, 13K0F2B, 13K0F2D,

12K0F1D, 12K0F1E

The 450MHz unit is from Motorola

The VHF-HB (136-174MHz) unit is from Kenwood F3E

The VHF (118-136.975MHz) AM unit is from Icom - but I'm not sure if it needs a license

> -----
> From: Claude Wells[SMTP:Claude.Wells@lmco.com]
> Sent: Wednesday, June 24, 1998 8:18 AM
> To: Terry L (Exchange) Hoke
> Subject: Need some additional info for trunked experimental

>
>

> Terry,

>
>

> I need to make sure of the power levels and emission designators you
> are going to be using for the radios on teh trunked experimental
> authorization. Brand of radio equipment you will be working with and
> number of units is also needed for the application. I think that
> should do it for now I hope to get the application out by tomorrow at

>
>

> the latest.

>
>

> Claude

>