

EXHIBIT #1
ADDITIONAL INFORMATION FOR APPLICATION
FOR
EXPERIMENTAL LICENSE

(1) Name and address of the applicant:

*Dennis D. Wood
c/o Lockheed Martin Telemetry & Instrumentation
9020 Balboa Avenue
San Diego, California 92123-3507
Phone: (619) 279-0411, Ext. 3346*

(2) Need for special action, including a description of any emergency or damage of equipment:

The hardware is low power, time division multiplex and should not require any special action. The transmitter power is 5 watts in the C.W. mode, and the system will always be less than that during normal "TDMA" operation.

(3) Type of operation to be conducted (such as field test, dispatching, etc.):

Field testing/demonstration.

(4) Purpose of operation:

To demonstrate in the field operation of a TDMA network.

(5) Times and dates of operation:

The times will be once or twice a week for approximately two hours during the hours of 07:00 to 17:00 P.S.T. Operation will commence upon authorization.

(6) Class of station and name of radio service:

Land mobile (base station plus 5 mobiles).

(7) Location, including geographical coordinates, if known, of transmitter and/or mobile area of operations:

The location of the base station is 32 degrees, 49 minutes, 27 seconds North latitude; 117 degrees, 08 minutes, 23 seconds West longitude. The five mobile stations that will be used in the demonstration hardware will operate within a radius of five miles from the base station.

(8) Number of fixed transmitters and number of mobile units:

One fixed, base station and five mobile units.

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(9) *Operating frequency:*

The frequency of operation is 355.25 MHZ & 441.50 MHZ.

(10) *Output power of the transmitter:*

5 watts in the CW mode maximum. The actual radiated power from the transmitter will never get to the 5 watt maximum. It will be a percentage of the five watts based on the network loading. A typical power for one base station and five mobiles will be about 1 watt when the network is running as designed.

(11) *Type of emission:*

F1DAT (K0F1D)

(12) *Description of antenna including height above ground and power gain:*

The antenna used is a monopole with a gain of 0 dB. The elevation above sea level is 440 feet. The elevation above the mean ground level is 80 feet. Physically the antenna is 80 feet above mean ground level.

(13) *Statement of eligibility for a radio service under this part:*

Business 90.75A1.

Lockheed Martin Telemetry & Instrumentation will demonstrate a new product that will be utilizing this experimental license.

This particular request is to allow for the demonstration of a 355.25 & 441.50 MHZ TDMA network with a single base station and five mobile stations. This demonstration should be going on, intermittently, over a period of approximately 2 years.

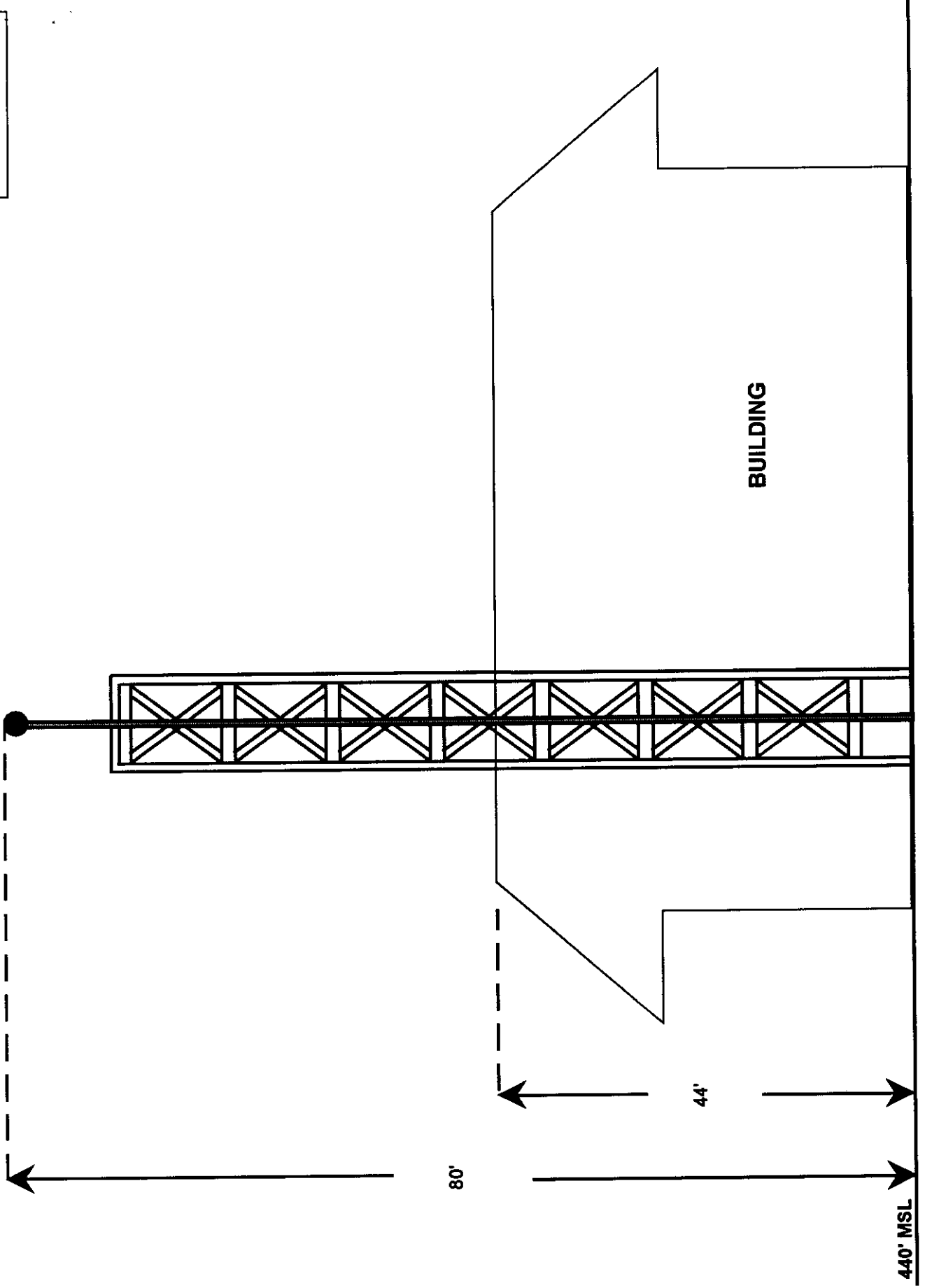


EXHIBIT #2