



P.O. Box 598 Fishers, N.Y. 14453

Fax Cover Sheet

DATE: 28 JUNE, 1996

TIME: 9:28 AM

TO: FEDERAL COMM. COM.

PHONE:

Att: Mr. Frank Wright

FAX: 202-418-1918

FROM: Walter A. Kannapel
Digital Radio Technology, Inc

PHONE: 716-924-8360

FAX: 716-924-8384

RE: EXPERIMENTAL/DEVELOPMENTAL LICENSING

Number of pages including cover sheet: 2

Message

Dear Mr. Wright,

Per our phone conversation, attached is a copy of the ARINC response to my coordination request. Additionally, I am trying to have the FAA clear additional voice frequencies to be included in the licensing.

Hopefully, this will allow the FCC to proceed with licensing. Should you need additional detail or information please contact me at your convenience.

Again thank you for your help!

Best regards,

A handwritten signature in cursive script that reads 'Walt Kannapel'. Below the signature is the printed name 'Walter A. Kannapel'.

Walter A. Kannapel

ARINC

AERONAUTICAL RADIO, INC.

2551 Riva Road
Annapolis, Maryland 21401-7465

June 18, 1996

Mr. Walter A. Kannapel
Sales Manager
Digital Radio Technology
615 Fishers Run
P.O. Box 598
Fishers, NY 14453

Dear Mr. Kannapel:

ARINC would prefer that your experimental/developmental program be carried out on frequencies other than the highest three in the band, since those are the ones on which operational service is intended. We would prefer that you use frequencies 136.750, 136.775, and 136.800. Also, your letter indicates your intent to use up to 200 watts mean power, yet the attached brochure indicates output power in the range of 10 to 25 watts. In addition, the emission type A9W referenced in your letter is not in agreement with the modulation types listed in the brochure. Finally, the necessary bandwidths of 25 kHz indicated in your letter does not agree with the emission designators shown in your brochure, and would not be acceptable within a 25 kHz spaced environment.

In summary, ARINC will support your request for experimental/developmental authorization for use of frequencies 136.750, 136.775, and 136.800 MHz using AM-MSK (13 kHz necessary bandwidth), D8PSK emission (14.0 kHz necessary bandwidth), with a mean power output of 25 watts.

Sincerely,



Richard L. Neat
Manager - Frequency Engineering

cc: ✓ Frank Wright, FCC
V. J. Nagowski, ARINC



615 Fishers Run (P.O. Box 598)
Fishers, New York 14453
Tel: (716) 924-8360
Fax: (716) 924-8384

June 13, 1996

Mr. Richard Neat
Aeronautical Radio Inc.
2551 Riva Road
Annapolis, MD. 21401

Subject: FCC Experimental/Developmental License

Dear Mr. Neat,

Per our phone conversation I would like to request ARINC coordination of frequencies for the subject license, necessary for ground-to-air product development.

Digital Radio Technology, Inc. is presently well into the final engineering development of a multimode product line series of radios to meet both the current analog requirements and the proposed future digital requirements of the aviation industry. This new radio Series 2000 utilizes DSP techniques that allow very versatile programming to meet developing applications.

We are presently requesting the FCC to allow DRT to operate in a test mode on the following three channels:

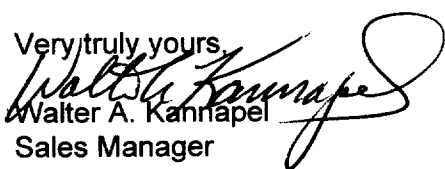
Freq.	Power	Emission	Modulating Signal	Necessary Bandwidth
136.925 Mhz	200 Watts Mean	A9W(D8PSK)	31.5kbs	25kHz
136.950 Mhz	200 Watts Mean	A9W(D8PSK)	31.5kbs	25kHz
136.975 Mhz	200 Watts Mean	A9W(D8PSK)	31.5kBs	25kHz

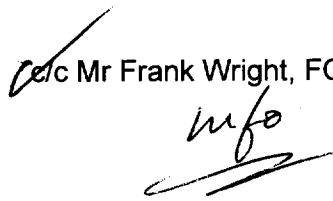
All the above channels would be used for testing in AM-MSK Mode1(at 2400bps), CSMA Mode 2 as well as TDMA Mode 3 when it is fully defined.

We are located in Fishers, NY a suburb of Rochester, NY coordinates
43deg 00' 30" North latitude
77deg 26' 40" West longitude

Your attention to clearing this request so that the FCC can issue an Experimental/ Developmental license would be appreciated. Should you need any additional information please feel free to contact us.

Very truly yours,


Walter A. Kannapel
Sales Manager


cc/c Mr Frank Wright, FCC Wash., DC