

From: <jscramer@collins.rockwell.com>
To: "Carl Huie" <CHUIE@fcc.gov>
Date: 11/22/00 11:03AM
Subject: Re: 251-EX-PL-2k

Carl,

I attempted to reach you on Monday, the 20th, to provide you the answers to your questions regarding our application. I understand you are out this week, so I am attempting to provide you the information you requested via e-mail which should be clearer than leaving a phone message.

Just to remind you.... We discussed that you needed the specific frequencies Rockwell Collins would be using for the VHF 4000 and DME 4000 testing. I talked to our engineers who stated to me that they couldn't tell me which specific frequencies would be used because it depended upon which frequencies the FAA control tower, etc.. told the pilot or radio operator to go to. They explained to me that this is "basic" VHF and DME equipment. The possible frequencies which may be used are all published and authorized frequencies in the aeronautical mobile band as appropriate for where they operate.

You stated to me you understood what this meant and then asked me for the CFR Sections which list these frequencies under Part 87. I believe the correct sections are: 87.173 which lists the assignable carrier frequencies or frequency bands; 87.263 which lists the domestic (and international) VHF frequencies; and Section 87.475 which lists the DME channeling and pairing frequencies.

← "pursuant to ..."

I hope this answers your question. If not, please let me know as soon as possible. We are hoping to begin testing in early January and I know how things tend to slip during the holiday season.

However, I have a question for you which may affect our experimental license application. I have been informed that Rockwell Collins would eventually like the VHF-4000 to have extended frequency capability. However, the initial approval request is for only the 118.0 to 136.992 MHz. Based upon demand RC is receiving we would like to eventually offer a of the VHF-4000 with extended frequency range much like we currently offer with a version of our VHF-22 and 422. The version will be identical to our basic VHF-4000 unit except it will be able to receive and transmit on frequencies in the 137 - 151.975 MHz band. The radio will be able to lock out transmit on selected frequencies within that range considered sensitive.

My questions are: Can you help me find/determine (or point me in the right direction) frequencies within this extended band that the FCC would want disabled? What is your opinion of the FCC's willingness to approve a version of the radio which operates in this manner. I can obtain lots of information which could justify such a radio.

Thank you for your assistance. If you any additional questions regarding the 251-EX-PL-2k application, please let me know.

Joe Cramer