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September 8, 1995

BY COURIER

Mr. William F. Caton
Acting Secretary
Federal Communications Commission
Washington, D.C. 20554

Re: InterDigital Communications Corporation
Experimental Authorization KA2XTF
Application for Modification

Dear Mr. Caton:

On behalf of InterDigital Communications Corporation ("InterDigital"), we hereby submit an original and one copy of an Application for Modified Radio Station Authorization for Experimental Radio Service (Form 442) to relocate the site of experiments authorized under call sign KA2XTF. The Application also requests (i) permanent authorization to conduct tests on government frequencies currently authorized under call sign KA2XTF on a special temporary basis; and (ii) authorization to utilize a single emissions designator on all the frequencies used under call sign KA2XTF. Enclosed with this Application is the FCC's Fee Form 159 and a check for \$45.00.

InterDigital holds two authorizations under call sign KA2XTF to test "UltraPhone" equipment, which is used to provide radiotelephone service. One authorization permits InterDigital to test the UltraPhone equipment on several Basic Exchange Telecommunications Radio Service ("BETRS") frequencies (454-459 MHz) on a permanent basis (subject only to renewal every two years); the other permits the use of government frequencies (343-359 MHz) under a Special Temporary Authority ("STA") (subject to an extension every six months). The authorizations are attached to the Application as Exhibits V and VI, respectively. The authorizations permit both types of testing at InterDigital's manufacturing facility located at 3600 Horizon Drive, King of Prussia, Pennsylvania. On December 1, 1995, InterDigital will relocate its manufacturing facility to 781 Third Avenue, King of Prussia, Pennsylvania, approximately three miles from the present manufacturing site.

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The Application requests that the present authorizations be revised in three respects. Each is summarized below.

First, InterDigital requests that both authorizations be revised to permit testing at the new manufacturing site. As indicated above, this new site is three miles from the present site.

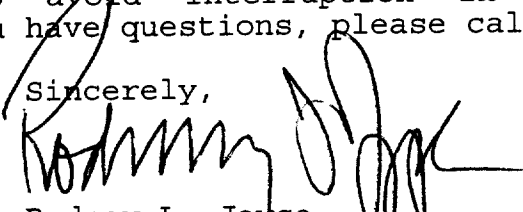
Secondly, InterDigital requests that it be granted an experimental authorization rather than a STA for the testing currently authorized on the government frequencies. These frequencies are required to test equipment that is exported to foreign countries which operate InterDigital's UltraPhone equipment on those frequencies. Grant of an experimental license to operate on these government frequencies will be more efficient for the Commission since an experimental authorization must be reprocessed by the agency once every two years, when the authorization is renewed, whereas extension of an STA must be reprocessed twice each year.

Finally, InterDigital requests authorization to use a single emissions designator on all frequencies at the new site. Currently, its experimental authorization and STA specify different emission designators.

Except for the changes described above, InterDigital will conduct tests of its UltraPhone equipment in the same manner currently authorized under call sign KA2XTF. The experiments are part of an on-going effort to develop equipment that offers a cost-effective alternative to wireline facilities for basic telephone service.

We request that this Application be granted prior to December 1, 1995 in order to avoid interruption in the on-going experimentation. If you have questions, please call me.

Sincerely,



Rodney L. Joyce
Counsel for InterDigital Communications
Corporation

Enclosure

cc Don Hymas
Kim Baum