

NATURE OF APPLICATION AND
REQUEST FOR STAY OF EXPIRATION OF KA2XAF
AND SPECIAL TEMPORARY AUTHORITY TO CONTINUE
OPERATIONS ON A MODIFIED BASIS DURING PENDENCY OF APPLICATION

This application is occasioned by the premature expiration of the license for Experimental Station KA2XAF, as well as a desire to make a modification to this operation. By this application, we request a new authorization to replace KA2XAF, and request that the authorization be identical to the authorization for KA2XAF, except as explained below. A copy of the KA2XAF authorization is attached in a .pdf file.

We wish to continue to use KA2XAF during the pendency of this application to continue its important experimental functions. To that end, we hereby request that OET stay the expiration of KA2XAF and allow special temporary authority terminating on the earlier of May 1, 2002 or the date a replacement for the KA2XAF authorization is issued pursuant to this application.

This technical parameters set forth in this application are those of KA2XAF, with the following exceptions. First, a new tower for the base station is proposed. This is a registered tower that does not require FAA notice. In addition, Airnet would like to be able to conduct the fixed operations not only from this tower but from other towers in the Melbourne, FL BTA, subject to the requirement that any such tower be registered and that any required FAA notice and/or approval be made and granted. This operational flexibility will provide improve Airnet's ability to vary the conditions of testing and, thereby, develop better information on the performance of its equipment.

As OET is aware, Airnet is an industry leader in software defined radio development. The operations conducted under KA2XAF are essential to that line of business, and to maintaining and improving the equipment produced and marketed by Airnet. Accordingly, the public interest would be served by the grant of this application.

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