

EXPLANATION OF REQUEST FOR MODIFICATION

Moog Navigation and Surveillance Systems (NaSS) recently applied for, and received, an experimental radio station license, File Number 0536-EX-PL-2012, Call Sign WG2XKR.

This license was a renewal of a previous license (File Number 0358-EX-RR-2009, Call Sign WE2XKY), with one change: Moog requested in its application that the authorized power for the new license be increased from the 400 W (ERP) permitted on the previous license to 15 kW (ERP). For some reason, the new license received by Moog retained the authorized power of 400 W (ERP) from the previous license, with the exception of the 962 MHz frequency, for which the authorized power was increased to 5 kW (ERP).

Moog hereby requests that the current license be modified to allow an authorized power of 15 kW (ERP) on all five authorized frequencies, viz.: 962 MHz, 1021 MHz, 1081 MHz, 115MHz, and 1198 MHz.

The reason for this request is that, while the previous generation of TACAN systems manufactured by Moog had a maximum ERP of 400 W, the new generation of TACAN systems now in development, testing, and production have a maximum transmitter power of 5 kW which, when coupled with antenna gain, yields a maximum ERP of 15 kW.

Unless the power authorized on the license is increased as requested, Moog will not be able fully test its current and future TACAN systems, rendering the possession of a license essentially meaningless.

Thank you for your help in this matter.