

Raytheon Missile Systems
Request to Modify KI2XDD

Explanation of Request for Modification

Raytheon Missile Systems (“RMS”) is undertaking a series of experimental radar tests using spectrum in the X band. Operations on call sign KI2XDD have shown significant results, and that work has caused Raytheon’s radar designers to expand the scope of their research program.

Currently, RMS is seeking to expand its existing experimental authorization to use a wider section of the X band, widening the existing frequency range, 9200 to 10000 MHz, to 9200 to 10500 MHz. This will allow the research program to determine the effects of radar testing in ways that are significantly improved over the current tests.

The goals of the experiment include: developing a better understanding of the operation of frequencies in this range and how those frequencies can be adapted to new technologies. Raytheon builds missiles, and it needs to use technology on the missiles, and this experiment will help develop interference-free operations by that technology.

Operations take place on a limited basis.

All other existing test parameters will remain the same.