

From: David Tolman

To: Behnam Ghaffari

Date: May 18, 2009

Subject:

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Message:

You requested an updated description of the purpose of this experimental license:

The purpose of this experimental license is to allow Mustang Technology Group, 400 W. Bethany drive, suite 110, Allen, Texas 75013 to continue development and testing of radar equipment in the frequency range of 34.5 GHz to 35.5 GHz. The development radar is a two channel pulse-doppler radar with circular polarization (RHC transmit, LHC receive). Azimuth 3 dB beam width is 12 degrees and elevation 3 dB beam width is 34 degrees and a gain of 18 dBiC. Instantaneous dynamic range of 70 dB and total dynamic range of 100 dB.