

From: Frank L. Rees

To: John Kennedy

Date: September 12, 2002

Subject:

FCC File #: 0218-EX-PL-2001- Reply

---

Message:

As Executive VP/Technical Director of Flight Safety Technologies, Inc., and inventor of the UNICORN collision and terrain avoidance alert and ground proximity warning radar system confirm that I wish to exclude the frequency bands 960-1215 MHz, 2700-2900 MHz and 5150-5155 MHz from our frequency allocation request to the FCC. In turn, I request that the FAA approved 3 MHz band (or, if possible but not essential, extended to 5 MHz) around a spot frequency of 5145 MHz and the FCC pre-approved 3650-3700 MHz non-FAA band be substituted in lieu of the above cited bands for exclusion from FSTI's original frequency allocation filing.

The UNICORN relatively low-powered radar system is intended to use a pulse transmission with a pulse width chosen between 0.5-1 micro-second in duration. If the higher resolution pulse is chosen as an experimental design parameter, the extension to a 5 MHz bandwidth would provide more than adequate guard bands for accommodating pulse-spectrum roll-off and any foreseeable Doppler-frequency shift. However, the experiments can be performed within the FAA approved 3 MHz bandwidth. Therefore, should this desired extension to 5 MHz bandwidth require a further FAA/FCC approval cycle that would cause further delay in obtaining this experimental license, FSTI will forego this preference.