

From: Edward E. Thomas

To: John Kennedy

Date: November 04, 2004

Subject:

FCC File # 0621-EX-ST-2004

---

Message:

John,

I,ve inserted our input to your questions, as folows:

Please report the minimum and maximum flight levels - Minimum altitude is 0 feet, Max is 45,000 feet (we can also live with 25,000).

, the minimum number of frequencies required and identify those frequencies, - Minimum number of frequencies is One, and it can be any frequency.

and the method for selecting frequencies from the 1220-1249 MHz band. - Once the system is activated, the system senses the RF environment and selects one of the frequencies which are cleared from environmental noise. The method of selecting the frequency is programmable and may be adjusted as needed.

Also, since radars operate on 1241.47 MHz, 1244.06 MHz and 1251.83 MHz in this area of Florida along with a 1227.6 MHz GPS L2 receiver and AEROSTAT radars on 1219 MHz, 1220 MHz and 1235 MHz, please indicate how the proposed aviation protection system will be able to avoid operating on or near all of these frequencies. - As the system is flexible and programmable on frequencies selection (from the 15 frequencies bank of the system), it is possible to avoid these frequencies. Furthermore, we can test the system and prove that there are no interferences between the protection system and the existing systems. This is due to the low radiation levels of the system and due to its antennas scanning regime.

Furthermore, please indicate how this system will be able to avoid other frequencies in other geographic locations that will also need to be protected. - Two tools will be used. One - testing the protection system to prove that there are no interference problems with existing systems. Two - Programming the system to avoid the not approved frequencies. Furthermore, if needed the system can be programmed to use different frequencies in different geographic locations.

Best regards,

Ed Thomas