

December 18, 2002

Mr. Andrew Leimer  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington DC, 20554

Dear Mr. Leimer,

This letter is in response to your correspondence dated November 7, 2002, Correspondence Reference Number 24302. Your correspondence asked three questions:

1. "The Test Report mentions that there is a waiver for the 16QAM modulation. Please upload this as an exhibit.
2. Upload the FAA coordination letter when received.
3. I am confused on the power. You asked for 0.159 Watts. Is this EIRP? Explain where this figure came from."

Below are the responses to your questions and comments:

1. On November 15, 2002, Rockwell Collins submitted the waiver request to the Wireless Bureau. We have not yet received a response to our waiver request. Rockwell Collins is working with the Wireless Bureau to obtain this waiver. As soon as the waiver is granted, we will submit it.
2. Rockwell Collins submitted the FAA coordination letter today, December 18, 2002.
3. Output power is discussed in Section 2.6 of our test report. Unfortunately, our engineers found one error in Section 2.6. The first sentence currently states: "(as measured at the antenna terminals)". It should have read: "(as measured at the HST-900 output terminals)". Therefore, 0.159 Watts or +22dBm is the maximum power output of the HST-900. The HST-900 only operates as an exciter. The signal leaving the HST-900 is then amplified by the High Power Amplifier which is currently certified by the FCC (AJK8220953) and then the signal is sent to the antenna.

Thank you for your consideration of this matter. If you have any additional questions, please feel free to contact me at 703-516-8213.

Sincerely,

Joseph Cramer  
Manager  
Governmental and Regulatory Affairs