



December 7, 2006

From: William K. Notley, Ames RF Spectrum Manager  
To: Mark Sumich, Code JO  
Subject: National Telecommunication & Information Administration (NTIA) Radio Frequency  
Authorization (RFA) NASA078001

1. Subject and attached NTIA RFA is provided for use by your organization per all the applicable conditions cited below. Please review the entire RFA and let me know if you have any questions. You are required to sign for the RFA upon completion of a briefing I will provide you on it. A few of the topics that will be discussed in the briefing are as follows:

- a. The RFA is licensed for frequency band M72.008 thru M72.998 MHz
- b. The RFA is only to be used by Code JO for remote control of an Unmanned Aerial Vehicle (UAV) within a 10 km radius of the geographical coordinates cited in the RFA.
- c. The RFA is non-transferable for temporary or permanent use by any other Ames organization or non-NASA entity, without prior authorization by the Ames RF Spectrum Manager.
- d. Without compromise, all other conditions and limitations applied to the RFA must be adhered to (bandwidth, modulation, power output, antenna types/gains, etc).
- e. The following limitations and conditions are applied to this RFA.

**E039:** THE AUTHORIZED EMISSION BANDWIDTH SHALL BE SO LOCATED WITHIN THE BAND THAT IT DOES NOT EXTEND BEYOND THE UPPER OR LOWER LIMITS OF THE AUTHORIZED BAND SHOWN IN THE \*FRB ENTRY OF CIRCUIT REMARKS. IF A PORTION(S) OF THE AUTHORIZED BAND IS TO BE EXCLUDED (\*FBE) THE AUTHORIZED EMISSION BANDWIDTH MUST NOT EXTEND INTO ANY PORTION(S) OF THE EXCLUDED BAND(S).

**S070:** SUBJECT TO IMMEDIATE CANCELLATION UPON NOTICE FROM FCC.

**S144:** THIS ASSIGNMENT IS NOT IN COMPLETE CONFORMITY WITH THE NATIONAL TABLE OF FREQUENCY ALLOCATIONS. THOSE OPERATIONS THAT ARE CONDUCTED UNDER THE NONCONFORMING PORTIONS OF THIS ASSIGNMENT ARE ON A SECONDARY BASIS TO OPERATIONS CONDUCTED UNDER ASSIGNMENTS THAT ARE IN CONFORMITY WITH THE NATIONAL TABLE OF FREQUENCY ALLOCATIONS.

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**I have thoroughly read this letter, the associated RFA, received the briefing cited in para 1 and satisfied all my inquiries with the Ames Spectrum Manager in order to ensure as the official representative of my organization that this RFA will be used in absolute accordance with the RFA's approved purpose, NTIA Manual of Regulations, and NASA Radio Frequency (RF) Spectrum Management Guidelines (NPG 2570.1)**

                    //Signed//                    

Signature

                    3/22/07                    

Date

                    Mark Sumich                    

Print Name