

# Radio Frequency Authorization

This Authorization is granted pursuant to Chapter 1 Part 1.1 Section 6.08 of NTIA Manual by authority of the US National Aeronautics and Space Administration.

**his Authorization must be updated by: January 8, 2006. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager by October 10, 2005.**

<b>Serial Number</b>	<b>FOI</b>	<b>MSD</b>	<b>BUR</b>	<b>NET</b>	<b>RVD</b>	<b>AUS</b>	<b>EXD</b>
NASA000304			LARC		010108	I9850429	

  

<b>FRQ</b>	<b>BIN</b>	<b>TME</b>	<b>SPD</b>	<b>STC</b>	<b>Bandwidth</b>	<b>Emission</b>	<b>Power</b>
2240.5 MHz	3			MOE	500.00 kHz	F9D	15 Watt(s)
				MOEB	24.00 MHz	F2D	15 Watt(s)
				MOEB	24.00 MHz	F9D	15 Watt(s)

  

<b>XAL, XSC</b>	<b>XRC</b>	<b>XLA, XLG</b>	<b>XCL</b>	<b>XAP</b>	<b>XAZ</b>
AIRCRAFT, USP	LARC			V	ND

  

<b>XAD</b>					
00GSTUB					

  

<b>RAL, RSC</b>	<b>RRC</b>	<b>RLA, RLG</b>	<b>ACL</b>	<b>RAP</b>	<b>RAZ</b>
USP, USP	LARC			R	ND

  

<b>RAD</b>	<b>Remarks</b>
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\*NRM, 00010, LARC NET  
 \*EQT, C, ERX, MODEL VTX13S-10/2SC/01  
 \*EQR, C, MDC MODEL 1400WBA  
 \*SYS, RDTE SUPPORT  
 \*AGN, FLIGHT INSTRUMENTATION  
 \*AGN, FREQ DIVERSITY M2253.5/M2277.5

## Restrictions (NTS, \*NTS, SUP)

S366 - ALL OPERATIONS WILL BE OUTSIDE OF THE US/CANADA BORDER ZONE, OR FOR ASSIGNMENTS FOR FREQUENCIES BELOW 1000 MHZ THE POWERUSED WHILE OPERATING IN THE BORDER ZONE WILL NOT EXCEED 5 WATTS.

S296 - NOT TO PRECLUDE ASSIGNMENT OF THIS FREQUENCY TO OTHER AGENCIES AT SPECIFIC LOCATIONS.

Supplementary Details - COLOR VIDEO AND TELEMETRY DATA FROM AIRCRAFT TO GROUND TO SUPPORT AERONAUTICS RESEARCH PROGRAMS. FREQUENCY DIVERSITY REQUIRED FOR HIGH DEGREE OF SYSTEM RELIABILITY. ALL AIRBORNE OPERATIONS MUST REMAIN BELOW THE RADIO HORIZON AT THE US/CANADIAN BORDER TO ENSURE NO INTERFERENCE TO CANADIAN OPERATIONS.