

08/24/2017

\*\*\*\*\* U N C L A S S I F I E D \*\*\*\*\*  
SPECIAL HANDLING

Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6.i of the NTIA Manual by authority of the Department of Defense US Air Force Frequency Management Agency (AFFMA).  
This License expires on: October 2, 2018. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to October 2, 2018.

Frequency (110) (115) 915 MHz Watt(s)	TX Equipment (340) U,C2BTX	Bandwidth (114) 115.00 kHz	Emission (114) G1D	Power 2
Transmit Antenna Location (301,300) TX Radius (306) NONGEOSTATIONARY, SPCE		Transmit Coordinates (303)		
Receive Antenna Location (401,400) RX Radius (406) MONTEREY, CA DAYTON, OH LOGAN, UT		Receive Coordinates (403) 363542N1215229W 394655N0840456W 414539N1114910W		
Command Application Number (702) National Authority (103 or 710) SPC 17-661 J1350032		Serial Number (102) AF 166781		

Restrictions (500, 501, 520)  
S621 - THIS APPLICATION SUPPORTS A DOD SPACE PROJECT.

S945 - THIS ASSIGNMENT SUPPORTS A CUBESAT OR NANOSAT SATELLITE WHOSE NAME IS RECORDED IN CIRCUIT REMARKS FIELD.

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.

M015,IRAC 40488/1,SPS 19911/1 - THE SYSTEM USING THIS ASSIGNMENT WAS REVIEWED BY THE SPS IN ACCORDANCE WITH CHAPTER 10 AND THE ASSIGNMENT IS BEING MADE SUBJECT TO CONDITIONS STATED IN THE IRAC AND SPS DOCUMENTS REFERENCED IN THE CIRCUIT REMARKS FIELD(\*NTS).

Supplementary Details - COLONY II CUBESAT, PROPCUBE 2 - FAUNA MISSION SATELLITE TO GROUND TT-C LINK. ASSIGNMENT REQUIRED FOR 1 YEAR FROM LAUNCH. POC DAVID RIGMAIDEN, 831-656-7539.

SPECIAL HANDLING INSTRUCTIONS  
Not Releasable outside the US Government IAW Section 552(b)(1) of Title 5 of the US Code.

colonyii-m915.txt

SPECIAL HANDLING  
\*\*\*\*\* U N C L A S S I F I E D \*\*\*\*\*

09/14/2017

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Frequency (110) (115)	Bandwidth (114) TX Equipment (340)	Emission (114)	Power
450 MHz Watt(s)	12.50 kHz C,ICMIC-910H	F1D	75
Transmit Antenna Location (301,300) TX Radius (306) MONTEREY, CA		Transmit Coordinates (303) 363542N1215229W	
Receive Antenna Location (401,400) RX Radius (406) NONGEOSTATIONARY, SPCE		Receive Coordinates (403)	
Command Application Number (702) National Authority (103 or 710) SPC 17-661 J1350023		Serial Number (102) AF 166782	

Restrictions (500, 501, 520)  
S621 - THIS APPLICATION SUPPORTS A DOD SPACE PROJECT.

S945 - THIS ASSIGNMENT SUPPORTS A CUBESAT OR NANOSAT SATELLITE WHOSE NAME IS RECORDED IN CIRCUIT REMARKS FIELD.

P032 - NONINTERFERENCE BASIS.

S070 - SUBJECT TO IMMEDIATE CANCELLATION UPON NOTICE FROM FCC.

M015,IRAC 40488/1,SPS 19911/1 - THE SYSTEM USING THIS ASSIGNMENT WAS REVIEWED BY THE SPS IN ACCORDANCE WITH CHAPTER 10 AND THE ASSIGNMENT IS BEING MADE SUBJECT TO CONDITIONS STATED IN THE IRAC AND SPS DOCUMENTS REFERENCED IN THE CIRCUIT REMARKS FIELD(\*NTS).

Supplementary Details - COLONY II CUBESAT, PROPCUBE 2 - FAUNA MISSION GROUND TO SATELLITE TT-C LINK. ASSIGNMENT REQUIRED FOR 1 YEAR FROM LAUNCH. POC DAVID RIGMAIDEN, 831-656-7539.

SPECIAL HANDLING INSTRUCTIONS  
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Frequency (110)	Bandwidth (114)	Emission (114)	Power
(115) 450 MHz TX Equipment (340)	12.50 kHz	F1D	75
Watt(s) U,GDP4425DRX			
Transmit Antenna Location (301,300)		Transmit Coordinates (303)	
TX Radius (306)		394655N0840456W	
DAYTON, OH			
Receive Antenna Location (401,400)		Receive Coordinates (403)	
RX Radius (406)			
NONGEOSTATIONARY, SPCE			
Command Application Number (702)		Serial Number (102)	
National Authority (103 or 710)		AF 166783	
SPC 17-661			
J1350024			

Restrictions (500, 501, 520)  
 S621 - THIS APPLICATION SUPPORTS A DOD SPACE PROJECT.

S945 - THIS ASSIGNMENT SUPPORTS A CUBESAT OR NANOSAT SATELLITE WHOSE NAME IS RECORDED IN CIRCUIT REMARKS FIELD.

P032 - NONINTERFERENCE BASIS.

S070 - SUBJECT TO IMMEDIATE CANCELLATION UPON NOTICE FROM FCC.

M015,IRAC 40488/1,SPS 19911/1 - THE SYSTEM USING THIS ASSIGNMENT WAS REVIEWED BY THE SPS IN ACCORDANCE WITH CHAPTER 10 AND THE ASSIGNMENT IS BEING MADE SUBJECT TO CONDITIONS STATED IN THE IRAC AND SPS DOCUMENTS REFERENCED IN THE CIRCUIT REMARKS FIELD(\*NTS).

Supplementary Details - COLONY II CUBESAT, PROPCUBE 2 - FAUNA MISSION GROUND TO SATELLITE TT-C LINK. ASSIGNMENT REQUIRED FOR 1 YEAR FROM LAUNCH. POC DAVID RIGMAIDEN, 831-656-7539.

SPECIAL HANDLING INSTRUCTIONS

Not Releasable outside the US Government IAW Section 552(b)(1) of Title 5 of the US Code.

\*\*\*\*\* SPECIAL HANDLING  
\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*

09/14/2017

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*  
\*\*\*\*\* SPECIAL HANDLING \*\*\*\*\*

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Frequency (110)	Bandwidth (114)	Emission (114)	Power
(115) 450 MHz TX Equipment (340)	12.50 kHz	F1D	75
Watt(s) U,GDP4425DRX			

Transmit Antenna Location (301,300)	Transmit Coordinates (303)
TX Radius (306)	414539N1114910W
LOGAN, UT	

Receive Antenna Location (401,400)	Receive Coordinates (403)
RX Radius (406)	
NONGEOSTATIONARY, SPCE	

Command Application Number (702)	Serial Number (102)
National Authority (103 or 710)	AF 166784
SPC 17-661	
J1350025	

Restrictions (500, 501, 520)  
S621 - THIS APPLICATION SUPPORTS A DOD SPACE PROJECT.

S945 - THIS ASSIGNMENT SUPPORTS A CUBESAT OR NANOSAT SATELLITE WHOSE NAME IS RECORDED IN CIRCUIT REMARKS FIELD.

P032 - NONINTERFERENCE BASIS.

colonyii-m450-rfas.txt

S070 - SUBJECT TO IMMEDIATE CANCELLATION UPON NOTICE FROM FCC.

M015,IRAC 40488/1,SPS 19911/1 - THE SYSTEM USING THIS ASSIGNMENT WAS  
REVIEWED BY THE SPS IN ACCORDANCE WITH CHAPTER 10  
AND THE ASSIGNMENT IS BEING MADE SUBJECT TO CONDITIONS STATED IN THE IRAC  
AND SPS DOCUMENTS REFERENCED IN THE CIRCUIT  
REMARKS FIELD(\*NTS).

Supplementary Details - COLONY II CUBESAT, PROPCUBE 2 - FAUNA MISSION  
GROUND TO SATELLITE TT-C LINK. ASSIGNMENT REQUIRED  
FOR 1 YEAR FROM LAUNCH. POC DAVID RIGMAIDEN, 831-656-7539.

SPECIAL HANDLING INSTRUCTIONS  
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of the US Code.

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