

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WR9XPE

(Call Sign)

XT      FX MO

(Class of Station)

0106-EX-ST-2021

(File Number)

NAME Rockwell Collins, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

**Purpose Of Operation:**

To test naval radio equipment as part of the Advanced Naval Technology Exercise (ANTX) in April.

**Station Locations**

- (1) Sneads Ferry (ONSLOW), NC - NL 34-34-03; WL 77-16-27
- (2) MOBILE: Off the coast of Camp Lejeune, North Carolina, within 25 km, centered around NL 34-26-37; WL 77-07-57

**Frequency Information**

Sneads Ferry (ONSLOW), NC - NL 34-34-03; WL 77-16-27

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 10-10.68 GHz | FX            | 1M46G1D             | 250 W (ERP)      | 0.07 %                    |
|              |               | 732KG1D             |                  |                           |
|              |               | 26M9G1D             |                  |                           |
|              |               | 13M4G1D             |                  |                           |
|              |               | 5M50G1D             |                  |                           |
|              |               | 2M75G1D             |                  |                           |
|              |               | 1M38G1D             |                  |                           |
|              |               | 64M0G1D             |                  |                           |

This authorization effective April 01, 2021 and  
will expire 3:00 A.M. EST August 01, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Sneads Ferry (ONSLow), NC - NL 34-34-03; WL 77-16-27

| Frequency       | Station Class | Emission Designator                                                                                                                         | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 10-10.68 GHz    | FX            | 28M6G1D<br>14M3G1D<br>5M86G1D<br>2M93G1D<br>60M1G1D                                                                                         | 250 W (ERP)      | 0.07 %                    |
| 10.7-14.6 GHz   | FX            | 732KG1D<br>1M46G1D<br>2M93G1D<br>5M86G1D<br>14M3G1D<br>28M6G1D<br>64M0G1D<br>1M38G1D<br>2M75G1D<br>5M50G1D<br>13M4G1D<br>26M9G1D<br>60M1G1D | 250 W (ERP)      | 0.07 %                    |
| 15.23-15.35 GHz | FX            | 2M75G1D<br>5M50G1D<br>732KG1D<br>1M46G1D<br>2M93G1D<br>5M86G1D<br>14M3G1D<br>13M4G1D<br>26M9G1D<br>60M1G1D<br>28M6G1D<br>64M0G1D            | 250 W (ERP)      | 0.07 %                    |

## Frequency Information

Sneads Ferry (ONSLOW), NC - NL 34-34-03; WL 77-16-27

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 15.23-15.35 GHz | FX            | 1M38G1D             | 250 W (ERP)      | 0.07 %                    |
| 15.4-18 GHz     | FX            | 732KG1D             | 250 W (ERP)      | 0.07 %                    |
|                 |               | 1M46G1D             |                  |                           |
|                 |               | 2M93G1D             |                  |                           |
|                 |               | 5M86G1D             |                  |                           |
|                 |               | 14M3G1D             |                  |                           |
|                 |               | 28M6G1D             |                  |                           |
|                 |               | 64M0G1D             |                  |                           |
|                 |               | 1M38G1D             |                  |                           |
|                 |               | 2M75G1D             |                  |                           |
|                 |               | 5M50G1D             |                  |                           |
|                 |               | 13M4G1D             |                  |                           |
|                 |               | 26M9G1D             |                  |                           |
|                 |               | 60M1G1D             |                  |                           |

MOBILE: Off the coast of Camp Lejeune, North Carolina, within 25 km, centered around NL 34-26-37; WL 77-07-57

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 10-10.68 GHz | MO            | 732KG1D             | 250 W (ERP)      | 0.07 %                    |
|              |               | 1M46G1D             |                  |                           |
|              |               | 2M93G1D             |                  |                           |
|              |               | 5M86G1D             |                  |                           |
|              |               | 14M3G1D             |                  |                           |
|              |               | 28M6G1D             |                  |                           |
|              |               | 64M0G1D             |                  |                           |
|              |               | 1M38G1D             |                  |                           |
|              |               | 2M75G1D             |                  |                           |
|              |               | 5M50G1D             |                  |                           |
|              |               | 13M4G1D             |                  |                           |
|              |               | 26M9G1D             |                  |                           |

## Frequency Information

MOBILE: Off the coast of Camp Lejeune, North Carolina, within 25 km, centered around NL 34-26-37; WL 77-07-57

| Frequency       | Station Class | Emission Designator                                                                                                                         | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 10-10.68 GHz    | MO            | 60M1G1D                                                                                                                                     | 250 W (ERP)      | 0.07 %                    |
| 10.7-14.6 GHz   | MO            | 732KG1D<br>1M46G1D<br>2M93G1D<br>5M86G1D<br>14M3G1D<br>28M6G1D<br>64M0G1D<br>1M38G1D<br>2M75G1D<br>5M50G1D<br>13M4G1D<br>26M9G1D<br>60M1G1D | 250 W (ERP)      | 0.07 %                    |
| 15.23-15.35 GHz | MO            | 732KG1D<br>1M46G1D<br>2M93G1D<br>5M86G1D<br>14M3G1D<br>28M6G1D<br>64M0G1D<br>1M38G1D<br>2M75G1D<br>5M50G1D<br>13M4G1D<br>26M9G1D<br>60M1G1D | 250 W (ERP)      | 0.07 %                    |
| 15.4-18 GHz     | MO            | 732KG1D                                                                                                                                     | 250 W (ERP)      | 0.07 %                    |

## Frequency Information

MOBILE: Off the coast of Camp Lejeune, North Carolina, within 25 km, centered around NL 34-26-37; WL 77-07-57

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 15.4-18 GHz | MO            |                     | 250 W (ERP)      | 0.07 %                    |
|             |               | 1M46G1D             |                  |                           |
|             |               | 2M93G1D             |                  |                           |
|             |               | 5M86G1D             |                  |                           |
|             |               | 14M3G1D             |                  |                           |
|             |               | 28M6G1D             |                  |                           |
|             |               | 64M0G1D             |                  |                           |
|             |               | 1M38G1D             |                  |                           |
|             |               | 2M75G1D             |                  |                           |
|             |               | 5M50G1D             |                  |                           |
|             |               | 13M4G1D             |                  |                           |
|             |               | 26M9G1D             |                  |                           |
|             |               | 60M1G1D             |                  |                           |

## Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at [https://www.sbe.org/sections/freq\\_local.php](https://www.sbe.org/sections/freq_local.php) to find the appropriate coordinator.

## Special Conditions:

- (4) Prior to commencing any operations in the 10.7-12.75 GHz frequency band, experimental licensee must notify licensees of Ku-band Fixed, Temporary Fixed, and VSAT earth stations and Earth Stations on-board Vessels (ESVs). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test. Please notify the following licensees:

Fixed NC Call Sign: E930398  
Frequency band(s): 11700-12200 MHz  
Licensee: Grace Missionary Baptist Church, Inc.  
Attention: : Mr. Clyde I Eborn  
Phone Number: 252-223-4600  
E-Mail: fbn@fbnradio.com

VSAT Call Sign: E160125  
Frequency band(s): 11700-12200 MHz  
Licensee: MICROSPACE COMMUNICATIONS CORPORATION  
Attention: DAVID A O'CONNOR ESQ  
Phone Number: 202-383-3429  
E-Mail: DOCONNOR@WBKLAW.COM

VSAT Call Sign: E060349  
Frequency band(s): 11700-12200 MHz  
Licensee: American Broadcasting Companies, Inc.  
Phone Number: 212-456-7777  
Attention: John W Zucker Esq.  
E-Mail: David.N.Artim@abc.com

VSAT Call Sign: E000329  
Frequency band(s): 11700-12200 MHz  
Licensee: iHeartMedia + Entertainment, Inc.  
Phone Number: 918-664-4581  
E-Mail: FCCcontact@iheartmedia.com

VSAT Call Sign: E030039  
Frequency band(s): 11700-12200 MHz  
Licensee: Lowe's Companies, Inc.  
Phone Number: 704-758-1000  
Attention: Mr Richard K Davis  
E-Mail: Richard.K.Davis@lowes.com

Temporary Fixed Earth Station Call Sign: E900974, E990022  
Frequency band(s): 11700-12200 MHz  
Licensee: CAPITOL BROADCASTING COMPANY, INC.  
Phone Number: 202-383-3429  
Attention: DAVID A O'CONNOR ESQ.  
E-Mail: doconnor@wbklaw.com

Temporary Fixed Earth Station Call Sign: E980306  
Frequency band(s): 11700-12200 MHz

Special Licensee: MCI Communications Services, Inc. (fka MCI WorldCom Communications, Inc.)

Phone Number: 972-729-6406

Attention: Laura J Birkelbach

E-Mail: laura.birkelbach@verizonbusiness.com

Temporary Fixed Earth Station Call Sign: E990180

Frequency band(s): 11700-12200 MHz

Licensee: North Carolina License Holdings Inc.

Phone Number: 212-710-7771

E-Mail: rbongarten@bontenmedia.com

Attention: Mr Randall D Bongarten

Temporary Fixed Earth Station Call Sign: E990338

Frequency band(s): 11700-12200 MHz

Licensee: WCNC-TV, Inc

Phone Number: 704-329-3636

Attention: John M. Burgett, Esq.

Phone Number: 202-719-4239

E-Mail: jburgett@wileyrein.com

Temporary Fixed Earth Station Call Sign: E900427

Frequency band(s): 11700-12200 MHz

Licensee: Gray Television Licensee, LLC

Name:: Raycom Sports, LLC

Phone Number: 334-206-1400

E-Mail: rbryan@raycommedia.com

Attention: Mrs Rebecca S Bryan Esq.

ESVs Call Sign: E070085, E060335, E090001

Frequency band(s): 11700- 12200 MHz

Licensee: KVH Industries, Inc.

Name: Mr. Carlos M. Nalda

Phone Number: 571-332-5626

Company: LMI Advisors

E-Mail: cnalda@lmiadvisors.com

ESVs Call Sign: E080195

Frequency band(s): 11700- 12200 MHz

Licensee: Norsat International America, Inc.

Attention: Mr Randy W Witten

Phone Number: 410-263-8165

E-Mail: psiddiqui@norsat.com

Name: Raul Magallanes

Phone Number: 281 317 1397

E-Mail: info@rmtelecomlaw.com

ESVs Call Sign: E100010

Frequency band(s): 11700- 12200 MHz

Licensee: UCSD Scripps Institution of Oceanography

Attention: Mr Jonathan Berger

Phone Number: 858-534-2889

E-Mail: jberger@ucsd.edu

## Specie

ESVs Call Sign: E100102  
Frequency band(s): 10950- 12750 MHz  
Licensee: BLUE MARBLE NETWORK, LLC  
Attention: Mr Peter Malcolm  
Phone Number: 713-929-3325  
E-Mail: peter.malcolm@bluemarblenetwork.com

ESVs Call Sign: E120041  
Frequency band(s): 11700- 12200 MHz  
Licensee: GCI Communication Corp.  
Attention: Mr Peter Malcolm  
Phone Number: 907-868-5615  
E-Mail: gcilicensemanager@gci.com  
Name: Cindy Lynch  
E-Mail: clynch@gci.com

ESVs Call Sign: E120147  
Frequency band(s): 11700- 12200 MHz  
Licensee: Global Data Systems, Inc.  
Attention: Mr Brent Berard  
Phone Number: 337-291-6500 x6524  
E-Mail: brentb@getgds.com

ESVs Call Sign: E130093  
Frequency band(s): 10950-11200, 11450-12200 MHz  
Licensee: Orange Business Services U.S. Inc  
Attention: Ms Ivana Kriznic  
Phone Number: 703-471-2532  
E-Mail: ivana.kriznic@orange-ftgroup.com

ESVs Call Sign: E140042  
Frequency band(s): 11700- 12200 MHz  
Licensee: Tampnet Inc.  
Name: Raul Magallanes  
Phone Number: 2813171397

Company: The Law Office of Raul Magallanes  
E-Mail: raul@rmtelecomlaw.com  
ESVs Call Sign: E160157  
Frequency band(s): 10950-11200, 11450-12200 MHz  
Licensee: Telenor Maritime, Inc.  
Phone Number: 954-652-1085  
E-Mail: Steinar.Stromsvag@telenor.com  
Attention: Mr. Steinar Stromsvag  
Name: Mr. Carlos M. Nalda  
Phone Number: 571-332-5626  
Company: LMI Advisors  
E-Mail: cnalda@lmiadvisors.com

ESVs Call Sign: E170213  
Frequency band(s): 11700- 12200 MHz  
Licensee: Global Foundation for Ocean Exploration, Inc.

Special Phone Number: 860-572-7979  
 E-Mail: david.lovalvo@tgfoe.org  
 Attention: Mr David Lovalvo  
 Name: Michael Durbin  
 Phone Number: 2148017721  
 Company: Durbin Consulting LLC  
 E-Mail: mike@k5mjd.us  
 Attention: Relationship: Engineer

ESVs Call Sign: KA313, E930320  
 Frequency band(s): 10950-11200, 11450-12200 MHz  
 Licensee: Comsat, Inc.  
 Name: Airbus DS SatCom Government, Inc.  
 Name: Mark Brennan  
 Phone Number: 202-637-6409  
 Company: Hogan Lovells US LLP  
 E-Mail: mark.brennan@hoganlovells.com

ESVs Call Sign: E100084, E090138, E980235  
 Frequency band(s): 11700- 12200 MHz  
 Licensee: RigNet SatCom, Inc.  
 Phone Number: 281-674-0150  
 E-Mail: raul.magallanes@rig.net  
 Attention: Mr. Raul Magallanes

ESVs Call Sign: E060157  
 Frequency band(s): 10950-11200, 11450-12200 MHz  
 Licensee: Speedcast Communications, Inc.  
 Phone Number: 832-668-2753  
 E-Mail: leanne.young@speedcast.com  
 Attention: Ms. Leanne Young  
 Name: Mr. Carlos M. Nalda  
 Phone Number: 571-332-5626  
 Company: LMI Advisors  
 E-Mail: cnalda@lmiadvisors.com

ESVs Call Sign: E070239  
 Frequency band(s): 10950-12200, 11700-12299 MHz  
 Licensee: ITC Global

Attention: Ms. EllenAnn Sands  
 Phone Number: 281-501-4733  
 E-Mail: ellenann.sands@itcglobal.com  
 Name: Mr. Carlos M. Nalda  
 Phone Number: 571-332-5626  
 Company: LMI Advisors  
 E-Mail: cnalda@lmiadvisors.com

ESVs Call Sign: E020205  
 Frequency band(s): 11700- 12170 MHz  
 Licensee: HNS License Sub, LLC  
 Phone Number: 301-428-5893  
 E-Mail: jennifer.manner@echostar.com

Attention: Ms. Jennifer Manner  
Speci

ESVs Call Sign: E120106  
Frequency band(s): 10700-12750, 10950-11200, 11450-12200 MHz  
Licensee: Intelsat Inflight Licenses LLC  
Name: AC BidCo LLC  
Phone Number: 202-680-0576  
E-Mail: bgordon@gogoair.com  
Attention: Bill Gordon  
Name: Karis Hastings Phone Number: 202-599-0975  
Company: SatCom Law LLC  
E-Mail: karis@satcomlaw.com

ESVs Call Sign: E080147  
Frequency band(s): 11700- 12170 MHz  
Licensee: Intelsat License LLC  
Phone Number: 703-559-7848  
E-Mail: susan.crandall@intelsat.com  
Attention: Susan H Crandall

ESVs Call Sign: E990541  
Frequency band(s): 10950-11200, 11450- 12200 MHz  
Licensee: Telesat Network Services, Inc.  
Phone Number: 613-748-8700  
E-Mail: eneasmith@telesat.com  
Attention: Ms Elisabeth Neasmith  
Name: Joseph A. Godles Esq.  
Phone Number: 202-429-4900  
Company: Goldberg, Godles, Wiener & Wright LLP  
E-Mail: jgodles@g2w2.com

ESVs Call Sign: E010332  
Frequency band(s): 11700- 12200 MHz  
Licensee: Global Eagle Telecom Licensing Subsidiary LLC  
Phone Number: 424-353-8198  
E-Mail: Julia.Waldron@globaleagle.com  
Attention: Ms Julia Waldron  
Name: David S. Keir  
Number: 202-416-6742  
Company: Lerman Senter PLLC  
E-Mail: dkeir@lermansenter.com

ESVs Call Sign: E070114  
Licensee: Inmarsat Solutions (US) Inc.  
NAME: Stratos Offshore Services Company  
Phone Number: 301-968-1938  
E-Mail: regan.rishel@inmarsat.com  
Attention: Regan Rishel  
Name: Timothy J. Cooney  
Phone Number: 202-783-4141  
Company: Wilkinson Barker Knauer, LLP  
E-Mail: tcooney@wbklaw.com

ESVs Call Sign: E000170

Specific  
ESVs Call Sign: E090176  
Frequency band(s): 11700- 12200 MHz  
Licensee: Speedcast Communications, Inc.  
Name: Harris CapRock Communications, Inc.  
Phone Number: 832-668-2753  
E-Mail: ellenann.sands@harris.com  
Attention: Ms. EllenAnn Sands  
Name: Richard Cameron  
Phone Number: 2022304962  
Company: LMI Advisors  
E-Mail: rcameron@lmiadvisors.com

ESVs Call Sign: WB36  
Licensee: Marlink, Inc.  
Phone Number: 713-910-3352  
E-Mail: Tom.Collins@marlink.com  
Attention: Tom Collins

ESVs Call Sign: E140087  
Licensee: Astronics AeroSat Corporation  
Phone Number: 603-879-0205  
E-Mail: jonathan.epstein@astronics.com  
Attention: Mr. Jonathan Epstein  
Name: Mr. Carlos M. Nalda  
Phone Number: 571-332-5626  
Company: LMI Advisors  
E-Mail: cnalda@lmiadvisors.com

ESVs Call Sign: E090001  
Licensee: KVH Industries, Inc.  
Phone Number: 4018458148  
E-Mail: ffeingold@kvh.com  
Attention: Felise Feingold

ESVs Call Sign: E170070  
Licensee: Kymeta Corporation  
Phone Number: 425-896-3700  
E-Mail: ryans@kymetacorp.com  
Attention: Mr Ryan Stevenson

ESVs Call Sign: E070085, E060335  
Frequency band(s): 11700- 12200 MHz  
Licensee: KVH Industries, Inc.  
Attention: Mr. James R. Barker  
Name: SES Americom, Inc.  
Phone Number: 609-987-4062  
E-Mail: jim.barker@ses-americom.com

ESVs Call Sign: E080195  
Frequency band(s): 11700- 12200 MHz  
Licensee: Norsat International America, Inc.  
Attention: Mr Randy W Witten  
Phone Number: 410-263-8165  
E-Mail: rsiddiqui@norsat.com

E-Mail: [psiduiqui@norsat.com](mailto:psiduiqui@norsat.com)  
Specie

ESVs Call Sign: E100010  
Frequency band(s): 11700- 12200 MHz  
Licensee: UCSD Scripps Institution of Oceanography  
Attention: Mr Jonathan Berger  
Phone Number: 858-534-2889  
E-Mail: [jberger@ucsd.edu](mailto:jberger@ucsd.edu)

ESVs Call Sign: E100102  
Frequency band(s): 10950- 12750 MHz  
Licensee: BLUE MARBLE NETWORK, LLC  
Attention: Mr Peter Malcolm  
Phone Number: 713-929-3325  
E-Mail: [peter.malcolm@bluemarblenetwork.com](mailto:peter.malcolm@bluemarblenetwork.com)

ESVs Call Sign: E120041  
Frequency band(s): 11700- 12200 MHz  
Licensee: GCI Communication Corp.  
Attention: Mr Peter Malcolm  
Phone Number: 907-868-5615  
E-Mail: [gcilicensemanager@gci.com](mailto:gcilicensemanager@gci.com)  
Name: Cindy Lynch  
E-Mail: [clynch@gci.com](mailto:clynch@gci.com)

ESVs Call Sign: E120147  
Frequency band(s): 11700- 12200 MHz  
Licensee: Global Data Systems, Inc.  
Attention: Mr Brent Berard  
Phone Number: 337-291-6500 x6524  
E-Mail: [brentb@getgds.com](mailto:brentb@getgds.com)

ESVs Call Sign: E130093  
Frequency band(s): 10950-11200, 11450-12200 MHz  
Licensee: Orange Business Services U.S. Inc  
Attention: Ms Ivana Kriznic  
Phone Number: 703-471-2532  
E-Mail: [ivana.kriznic@orange-ftgroup.com](mailto:ivana.kriznic@orange-ftgroup.com)

ESVs Call Sign: E140042  
Frequency band(s): 11700- 12200 MHz  
Licensee: Tampnet Inc.  
Name: AIRTAP COMMUNICATIONS, LLC  
Attention: Mr Brent Berard  
Phone Number: 337-205-8751  
E-Mail: [hex@airtap.com](mailto:hex@airtap.com)

ESVs Call Sign: E160157  
Frequency band(s): 10950-11200, 11450-12200 MHz  
Licensee: Telenor Maritime, Inc.  
Phone Number: 954-652-1085  
E-Mail: [Steinar.Stromsvag@telenor.com](mailto:Steinar.Stromsvag@telenor.com)  
Attention: Mr. Steinar Stromsvag

## Special ESVs Call Sign: E170213

Frequency band(s): 11700- 12200 MHz  
Licensee: Global Foundation for Ocean Exploration, Inc.  
Phone Number: 860-572-7979  
E-Mail: david.lovalvo@tgfoe.org  
Attention: Mr David Lovalvo  
Name: Michael Durbin  
Phone Number: 2148017721  
Company: Durbin Consulting LLC  
E-Mail: mike@k5mjd.us  
Attention: Relationship: Engineer

## ESVs Call Sign: KA313

Frequency band(s): 10950-11200, 11450-12200 MHz  
Licensee: Comsat, Inc.  
Name: Airbus DS SatCom Government, Inc.  
Phone Number: 703-466-5873  
E-Mail: rob.swanson@airbus.com  
Attention: Mr Robert W Swanson  
Phone Number: 703-466-5945  
E-Mail: james.lovelace@astrium.eads-na.com  
Attention: Mr. James G. Lovelace

## ESVs Call Sign: E930320

Licensee: Comsat, Inc.  
Phone Number: 571-599-3639  
E-Mail: sclatworthy@comsat.com  
Attention: Ms Sandra M Clatworthy  
Phone Number: 571-599-3643  
E-Mail: jlovelace.ctr@comsat.com  
Attention: James G. Lovelace

## ESVs Call Sign: E100084, E090138, E980235

Frequency band(s): 11700- 12200 MHz  
Licensee: RigNet SatCom, Inc.  
Phone Number: 281-674-0150  
E-Mail: raul.magallanes@rig.net  
Attention: Mr. Raul Magallanes

## ESVs Call Sign: E060157

Frequency band(s): 10950-11200, 11450-12200 MHz  
Licensee: Speedcast Communications, Inc.  
Phone Number: 832-668-2753  
E-Mail: leanne.young@speedcast.com  
Attention: Ms. Leanne Young

## ESVs Call Sign: E070239

Frequency band(s): 10950-12200, 11700-12299 MHz  
Licensee: ITC Global  
Attention: Ms. EllenAnn Sands  
Phone Number: 281-501-4733  
E-Mail: ellenann.sands@itcglobal.com

## Specialized ESVs Call Sign: E020205

Frequency band(s): 11700- 12170 MHz  
Licensee: HNS License Sub, LLC  
Phone Number: 301-428-5893  
E-Mail: jennifer.manner@echostar.com  
Attention: Ms. Jennifer Manner

## ESVs Call Sign: E120106

Frequency band(s): 10700-12750, 10950-11200, 11450-12200 MHz  
Licensee: Intelsat License LLC  
Name: Gogo CA Licenses LLC  
Phone Number: 202-680-0576  
E-Mail: bgordon@gogoair.com  
Attention: Bill Gordon  
Name: David Martin  
Phone Number: (202) 637-5858  
Company: Hogan Lovells US LLP  
E-Mail: david.martin@hoganlovells.com

## ESVs Call Sign: E080147

Frequency band(s): 11700- 12170 MHz  
Licensee: Intelsat License LLC  
Phone Number: 703-559-7848  
E-Mail: susan.crandall@intelsat.com  
Attention: Susan H Crandall

## ESVs Call Sign: E990541

Frequency band(s): 10950-11200, 11450- 12200 MHz  
Licensee: Telesat Network Services, Inc.  
Phone Number: 613-748-8700  
E-Mail: eneasmith@telesat.com  
Attention: Ms Elisabeth Neasmith

## ESVs Call Sign: E010332

Frequency band(s): 11700- 12200 MHz  
Licensee: Global Eagle Telecom Licensing Subsidiary LLC  
Phone Number: 424-353-8198  
E-Mail: Julia.Waldron@globaleagle.com  
Attention: Ms Julia Waldron  
Name: MTN License Corp.  
Phone Number: 206-838-7700  
E-Mail: ian.thompson@mtnsat.com  
Attention: Mr Ian Thompson

## ESVs Call Sign: E070114

Licensee: Inmarsat Solutions (US) Inc.  
NAME: Stratos Offshore Services Company  
Phone Number: 301-968-1938  
E-Mail: regan.rishel@inmarsat.com  
Attention: Regan Rishel

## ESVs Call Sign: E090176

Frequency band(s): 11700- 12200 MHz

Special Licensee: Speedcast Communications, Inc.

Name: Harris CapRock Communications, Inc.

Phone Number: 832-668-2753

E-Mail: ellenann.sands@harris.com

Attention: Ms. EllenAnn Sands

Name: Carlos Nalda

Phone Number: 571-332-5626

Company: LMI Advisors

E-Mail: cnalda@lmiadvisors.com

Attention: Mr. Carlos M. Nalda

ESVs Call Sign: WB36

Licensee: Marlink, Inc.

Phone Number: 713-910-3352

E-Mail: Tom.Collins@marlink.com

Attention: Tom Collins

ESVs Call Sign: E140087

Licensee: Astronics AeroSat Corporation

Phone Number: 603-879-0205

E-Mail: jonathan.epstein@astronics.com

Attention: Mr. Jonathan Epstein

ESVs Call Sign: E170070

Licensee: Kymeta Corporation

Phone Number: 425-896-3700

E-Mail: ryans@kymetacorp.com

Attention: Mr Ryan Stevenson

Name: Robert Koppel

Phone Number: 703-584-8669

Company: Lukas, LaFuria, Gutierrez & Sachs, LLP

E-Mail: bkoppel@fcclaw.com

- (5) Prior to commencing any in the 12.2 -12.7 GHz band, experimental licensee must notify licensees of Dish Network (Mr. Mariam Sorond, Email: Mariam.sorond@dish.com Charles Ergen, Email: charlie.ergen@dish.com) EchoStar (Mr. Jaime Londono Email: Jaime.londono@echostar.com), and DirecTV/AT&T (Mr. Raquel Noriega Email: raquel.noriega@att.com). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test.

## Special Conditions:

- (6) Prior to commencing any in the 12.2 -12.7 GHz band, experimental licensee must notify licensees of DISH Operating L.L.C. (Blanket Earth Stations call sign: E090020), DISH Broadcasting Corporation (Blanket Earth Stations call sign: E080107) and EchoStar 77 Corp. (Blanket Earth Stations call sign: E050196). Phone Number: 202-463-3709 or 202-293-0981, E-Mail: Alison.Minea@dish.com Attention: Alison Minea). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (7) Prior to commencing any in the 17.3-17.7 GHz band, experimental licensee must notify licensees of DIRECTV Enterprises, LLC (Mr. Navid Motamed. Phone Number: 310-964-3589 E-Mail: nm704u@att.com and DirecTV/AT&T. Mr. Raquel Noriega Email: raquel.noriega@att.com), and NOVAVISION GROUP, INC. (Mr NORM LEVENTHAL. Phone Number: 202-955-3000 E-Mail: NORM.LEVENTHAL@HKLAW.COM. The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test.
- (8) Prior to commencing any in the 17.3-17.7 GHz band, experimental licensee must notify licensees of DISH Operating L.L.C. (Blanket Earth Stations call sign: E140100. Phone Number: 202-463-3709 E-Mail: Alison.Minea@dish.com Attention: Alison Minea). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (9) Operation must be coordinated with the Fixed Microwave Service licensees in each proposed location in accordance with 47 C.F.R, Part 101.103(d) prior to operation in the proposed frequency bands.
- (10) The stop buzzer point of contact is:  
Zachary Haralson (417) 529-9017 zachary.haralson@collins.com