

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

EXPERIMENTAL

(Nature of Service)

WR9XIR

(Call Sign)

XT FX MO

(Class of Station)

1759-EX-ST-2020

(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:

The experiment is anticipated to begin in mid-December and will take less than 6 months.

Station Locations

- (1) Venice (SARASOTA), FL - NL 27-03-23; WL 82-26-35
- (2) Venice (SARASOTA), FL - NL 27-04-38; WL 82-27-08
- (3) MOBILE: Gulf of Mexico, GM. Off the coast of Venice, Florida, within 25 km, centered around NL 27-03-00; WL 82-34-11

Frequency Information

Venice (SARASOTA), FL - NL 27-03-23; WL 82-26-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-10.68 GHz	FX	732KG1D	250 W (ERP)	0.0007 %
		1M46G1D		
		2M93G1D		
		5M86G1D		
		14M3G1D		
		28M6G1D		
		64M0G1D		

This authorization effective December 14, 2020 and
will expire 3:00 A.M. EST June 14, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Venice (SARASOTA), FL - NL 27-03-23; WL 82-26-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-10.68 GHz	FX	1M38G1D 2M75G1D 5M50G1D 13M4G1D 26M9G1D 60M1G1D	250 W (ERP)	0.0007 %
10.7-14.6 GHz	FX	5M50G1D 13M4G1D 26M9G1D 60M1G1D 732KG1D 1M46G1D 2M93G1D 5M86G1D 14M3G1D 28M6G1D 64M0G1D 1M38G1D 2M75G1D	250 W (ERP)	0.0007 %
15.23-15.35 GHz	FX	60M1G1D 26M9G1D 13M4G1D 5M50G1D 2M75G1D 1M38G1D 64M0G1D 28M6G1D 14M3G1D 5M86G1D 2M93G1D 1M46G1D	250 W (ERP)	0.0007 %

Frequency Information

Venice (SARASOTA), FL - NL 27-03-23; WL 82-26-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.23-15.35 GHz	FX	732KG1D	250 W (ERP)	0.0007 %
15.4-18 GHz	FX	2M75G1D	250 W (ERP)	0.0007 %
		1M38G1D		
		64M0G1D		
		28M6G1D		
		14M3G1D		
		60M1G1D		
		26M9G1D		
		13M4G1D		
		5M50G1D		
		5M86G1D		
		2M93G1D		
		1M46G1D		
		732KG1D		

Venice (SARASOTA), FL - NL 27-04-38; WL 82-27-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-10.68 GHz	FX	732KG1D	250 W (ERP)	0.0007 %
		1M46G1D		
		2M93G1D		
		5M86G1D		
		14M3G1D		
		28M6G1D		
		64M0G1D		
		1M38G1D		
		2M75G1D		
		5M50G1D		
		13M4G1D		
		26M9G1D		

Frequency Information

Venice (SARASOTA), FL - NL 27-04-38; WL 82-27-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-10.68 GHz	FX	60M1G1D	250 W (ERP)	0.0007 %
10.7-14.6 GHz	FX	64M0G1D 28M6G1D 14M3G1D 5M86G1D 2M93G1D 1M46G1D 732KG1D 2M75G1D 1M38G1D 60M1G1D 26M9G1D 13M4G1D 5M50G1D	250 W (ERP)	0.0007 %
15.23-15.35 GHz	FX	732KG1D 1M46G1D 2M93G1D 5M86G1D 14M3G1D 28M6G1D 64M0G1D 1M38G1D 2M75G1D 5M50G1D 13M4G1D 26M9G1D 60M1G1D	250 W (ERP)	0.0007 %
15.4-18 GHz	FX	732KG1D	250 W (ERP)	0.0007 %

Frequency Information

Venice (SARASOTA), FL - NL 27-04-38; WL 82-27-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.4-18 GHz	FX		250 W (ERP)	0.0007 %
		1M46G1D		
		2M93G1D		
		5M86G1D		
		14M3G1D		
		28M6G1D		
		64M0G1D		
		1M38G1D		
		2M75G1D		
		5M50G1D		
		13M4G1D		
		26M9G1D		
		60M1G1D		

MOBILE: Gulf of Mexico, GM. Off the coast of Venice, Florida, within 25 km, centered around NL 27-03-00; WL 82-34-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-10.68 GHz	MO		250 W (ERP)	0.0007 %
		732KG1D		
		1M46G1D		
		2M93G1D		
		5M86G1D		
		14M3G1D		
		28M6G1D		
		64M0G1D		
		1M38G1D		
		2M75G1D		
		5M50G1D		
		13M4G1D		
		26M9G1D		
		60M1G1D		
10.7-14.6 GHz	MO		250 W (ERP)	0.0007 %
		64M0G1D		

Frequency Information

MOBILE: Gulf of Mexico, GM. Off the coast of Venice, Florida, within 25 km, centered around NL 27-03-00; WL 82-34-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.7-14.6 GHz	MO	1M38G1D	250 W (ERP)	0.0007 %
		2M75G1D		
		5M50G1D		
		13M4G1D		
		26M9G1D		
		60M1G1D		
		732KG1D		
		1M46G1D		
		2M93G1D		
		5M86G1D		
		14M3G1D		
		28M6G1D		
15.23-15.35 GHz	MO	732KG1D	250 W (ERP)	0.0007 %
		1M46G1D		
		2M93G1D		
		5M86G1D		
		14M3G1D		
		28M6G1D		
		64M0G1D		
		1M38G1D		
		2M75G1D		
		5M50G1D		
		13M4G1D		
		26M9G1D		
		60M1G1D		
15.4-18 GHz	MO	64M0G1D	250 W (ERP)	0.0007 %
		28M6G1D		
		14M3G1D		
		5M86G1D		
		2M93G1D		
		1M46G1D		

Frequency Information

MOBILE: Gulf of Mexico, GM. Off the coast of Venice, Florida, within 25 km, centered around NL 27-03-00; WL 82-34-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.4-18 GHz	MO		250 W (ERP)	0.0007 %
		732KG1D		
		60M1G1D		
		26M9G1D		
		13M4G1D		
		5M50G1D		
		2M75G1D		
		1M38G1D		

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (5) Stop buzzer is Zachary Haralson at (417) 529-9017.
- (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. 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.
- (7) 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.

Special Conditions:

- (8) Prior to commencing any operations in the 10.95-12.299 GHz frequency band, experimental licensee must notify licensees of Ku-band 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:

VSAT Call Sign: E140094

Frequency band(s): 11700-12200 MHz

Licensee: Orange Business Services U.S. Inc

Attention: Ms Ivana Kriznic

Phone Number: 703-471-2532

E-Mail: ivana.kriznic@orange-ftgroup.com

VSAT Call Sign: E000329

Frequency band(s): 11700-12200 MHz

Licensee: iHeartMedia + Entertainment, Inc.

Name: Clear Channel Satellite Services

Phone Number: 210-822-2828

E-Mail: allanbrace@iheartmedia.com

Attention: Mr. Allan Brace

VSAT Call Sign: E100117

Frequency band(s): 11700-12200 MHz

Licensee: Communications Laboratories, Inc.

Phone Number: 321-409-9898

E-Mail: r.lussier@comlabs.com

Attention: Mr. Roland Lussier

ESVs Call Sign: E110141

Frequency band(s): 11700-12200 MHz

Licensee: NSSL Global LLC

Phone Number: 949-472-3529

E-Mail: geoff.darbyshire@nsslglobal.com

Attention: Name: Mr Geoff Darbyshire

ESVs Call Sign: E070085

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: psiddiqui@norsat.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

Special E-Mail: 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

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- 11700, 11700- 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: AIRTAP COMMUNICATIONS, LLC

Attention: Mr Brent Berard

Phone Number: 337-205-8751

E-Mail: hex@airtap.com

ESVs Call Sign: E160157

Frequency band(s): 10950-11200, 11450- 11700, 11700- 12200 MHz

Licensee: Telenor Maritime, Inc.

Phone Number: 954-652-1085

E-Mail: Steinar.Stromsvag@telenor.com

Attention: Mr. Steinar Stromsvag

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- 11700, 11700- 12200 MHz

Special 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: E100084

Frequency band(s): 11700- 12200 MHz

Licensee: DATA TECHNOLOGY SOLUTIONS LLC

Name: AIRTAP COMMUNICATIONS, LLC

Phone Number: 337-332-4347

E-Mail: jwittig@dtscom.com

Attention: Mr. JOHN H WITTIG

ESVs Call Sign: E060157

Frequency band(s): 10950-11200, 11450- 11700, 11700- 12200 MHz

Licensee: Speedcast Communications, Inc., as a debtor-in-possession

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

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

- (9) Rockwell Collins, Inc. must notch out the following:
- a. 10.68 - 10.7 GHz
 - b. 14.6 – 15.23 GHz
 - c. 15.35 - 15.4 GHz