

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

EXPERIMENTAL

(Nature of Service)

WQ9XUN

(Call Sign)

XT FX MO

(Class of Station)

0978-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:

Developing radio technology capable of hosting legacy and future waveforms.

Station Locations

- (1) Cedar Rapids (LINN), IA - NL 42-01-55; WL 91-38-53
- (2) Cedar Rapids (LINN), IA - NL 42-01-55; WL 91-38-53
- (3) MOBILE: Cedar Rapids, IA. Collins Aerospace parking lots and local streets, within 5 km, centered around NL 42-01-55; WL 91-38-53

Frequency Information

Cedar Rapids (LINN), IA - NL 42-01-55; WL 91-38-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5-15.35 GHz	FX	854KG1D	67 W (ERP)	0.0001 %
		1M49G1D		
		5M20G1D		
		23M0G1D		
		13M5G1D		
		51M2G1D		
		60M1G1D		

This authorization effective August 03, 2020 and
will expire 3:00 A.M. EST February 04, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Cedar Rapids (LINN), IA - NL 42-01-55; WL 91-38-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5-15.35 GHz	FX	70M2G1D 103MG1D 184MG1D 269MG1D	67 W (ERP)	0.0001 %

Cedar Rapids (LINN), IA - NL 42-01-55; WL 91-38-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5-15.35 GHz	FX	854KG1D 1M49G1D 5M20G1D 13M5G1D 23M0G1D 51M2G1D 60M1G1D 70M2G1D 103MG1D 184MG1D 269MG1D	193 W (ERP)	0.0001 %

MOBILE: Cedar Rapids, IA. Collins Aerospace parking lots and local streets, within 5 km, centered around NL 42-01-55; WL 91-38-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5-15.35 GHz	MO	854KG1D 1M49G1D 5M20G1D 13M5G1D 23M0G1D	0.1 W (ERP)	0.0001 %

Frequency Information

MOBILE: Cedar Rapids, IA. Collins Aerospace parking lots and local streets, within 5 km, centered around NL 42-01-55; WL 91-38-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5-15.35 GHz	MO	51M2G1D 60M1G1D 70M2G1D 103MG1D 184MG1D 269MG1D	0.1 W (ERP)	0.0001 %

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) Avoid the North Liberty, IA VLBA station located at 41°46'17"N, 91°34'27"W
- (4) Coordinate operations with the VLBA point-of-contact:
Dan "Mert" Mertely
nrao-rfi@nrao.edu
phone: (575) 835-7128
- (5) 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.
- (6) Operation is not permitted in 14.4-14.5 GHz band.
- (7) Stop buzzer point of contact is Paul Kugelman at (410)-266-4957.
- (8) Prior to commencing any operations in the 14-14.5 GHz frequency band, the licensee must notify the earth station licensee listed below of its test dates and provide a stop buzzer in case of interference:

Call Sign: E970014, File Number: SES-RWL-20061114-02017

Licensee: KGAN Licensee, LLC

ATTN: Kathryn R Schmeltzer Esq

Phone: 202-663-8000 x8217

Counsel: PILLSBURY WINTHROP SHAW PITTMAN LLP

Phone: (202)663-8217