

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

EXPERIMENTAL

(Nature of Service)

WR9XOO

(Call Sign)

XC MO

(Class of Station)

1808-EX-ST-2020

(File Number)

NAME Maxar Technologies

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 purpose of the operation is to collect data using an airborne radar of specific terrain with specific military type vehicles

Station Locations

- (1) MOBILE: Airborne data collection on DoD test range, Tooele, UT, within 25 km, centered around NL 40-10-00; WL 113-04-00
- (2) MOBILE: Airborne data collection on DoD test range, Huntsville, AL., within 2.5 km, centered around NL 34-36-37; WL 86-40-23

Frequency Information

MOBILE: Airborne data collection on DoD test range, Tooele, UT, within 25 km, centered around NL 40-10-00; WL 113-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.6-10.6 GHz	MO	2G00Q3N	1.34 MW (ERP)	0.01 %
10.7-11.9 GHz	MO	1G20Q3N	1.34 MW (ERP)	0.01 %

This authorization effective February 05, 2021 and
will expire 3:00 A.M. EST July 02, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Airborne data collection on DoD test range, Huntsville, AL., within 2.5 km, centered around NL 34-36-37; WL 86-40-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.6-10.6 GHz	MO	2G00G3N	1.34 MW (ERP)	0.01 %
10.7-11.9 GHz	MO	1G20G3N	1.34 MW (ERP)	0.01 %

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) Prior to operations at Dugway, UT and Huntsville, AL, Maxar Technologies must schedule operations with the following POCs for scheduling in IFDS:
Dugway Proving Grounds: Jason Straughan, Office: 435-831-411,
jason.p.straughan.civ@mail.mil b. Huntsville, AL: DoD Gulf Area Frequency
Coordinator, 96CS.SCXF.GAFC@us.af.mil
- (4) Licensee must successfully coordinate with the Fixed Microwave Service licensees in each proposed area in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 10.55-10.6 GHz band.

Special Conditions:

- (5) Prior to commencing any operations in the 10.7- 11.9 GHz frequency band, experimental licensee must notify licensees of Ku-band FIXED, Temporary Fixed, Mobile, VSAT Network earth stations, Blanket Earth Station, NGSO Blanket Earth Station, and Vehicle Mounted Earth Station (VMES). 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 earth station Call Sign: E910615
Frequency band(s): 11700-12200 MHz
Licensee: Tribune Broadcasting Company II, LLC
Attention: Elizabeth Ryder
Phone Number: 972-373-8800
E-Mail: eryder@nexstar.tv

Fixed earth station Call Sign: E7338
Frequency band(s): 11700-12200 MHz
Licensee: NBC Telemundo License LLC
Attention: Margaret L Tobey
Phone Number: 202-524-6401
E-Mail: margaret.tobey@nbcuni.com

Temporary Fixed Earth Station Call Sign: E9462
Frequency band(s): 11700-12200 MHz
Licensee: KUTV LICENSEE, LLC
Name: CBS Broadcasting Inc.
Phone Number: 202-457-4518
Attention: Raymond C. Benedict Relationship: Engineer

VSAT Network Call Sign: E190254
Frequency band(s): 11700-12200 MHz
Licensee: Mainstream Data, Inc.
Phone Number: 801-584-2800
E-Mail: mrasmussen@mainstreamdata.com
Attention: Mr. Mitchell J Rasmussen

VSAT Network Call Sign: E020215
Frequency band(s): 11700-12200 MHz
Licensee: BONNEVILLE INTERNATIONAL CORPORATION
Phone Number: 801-575-5874
E-Mail: mdowdle@bonneville.com
Attention: Michael L Dowdle

VMES Call Sign: E170191
Frequency band(s): 11700-12200 MHz
Licensee: NBC Telemundo License LLC
Phone Number: 202-524-6401
E-Mail: margaret.tobey@nbcuni.com
Attention: Margaret L Tobey

Speci:

NGSO BES Call Sign: E190555
Frequency band(s): 11700-12200 MHz
Licensee: Kepler Communications Inc.
Phone Number: 437-537-5371
E-Mail: nspina@keplercommunications.
Attention: Mr Nickolas G Spina

Receive-Only Blanket Earth Station Call Sign: E040344
Direct to Home Fixed Satellite
Frequency band(s): 11700-12200 MHz
Licensee: DISH Operating L.L.C.
Name: EchoStar Satellite L.L.C.
Phone Number: 303-723-1000
Attention: David K Moskowitz

Name: Pantelis Michalopoulos
Phone Number: 202-429-6494
Company: Steptoe & Johnson LLP
E-Mail: pmichalo@steptoe.com
Attention: Relationship: Legal Counsel

VSAT Network Call Sign: E060101, E060447, E060448
Frequency band(s): 11700-12200 MHz
Licensee: Gilat North America, L.L.C.
Name: RaySat Antenna Systems, LLC
Phone Number: 703-483-9581
E-Mail: david.gross@sigs-raysat.com
Attention: Mr. David Gross

VMES Call Sign: E170121
Frequency band(s): 10950- 11200 MHZ, 11450-11950 MHz
Licensee: Intelsat License LLC, as debtor-in-possession
Phone Number: 703-559-7848
E-Mail: Cynthia.Grady@intelsat.com
Attention: Cynthia Grady

VMES Call Sign: E140087
Frequency band(s): 10700- 12750 MHz
Licensee: Astronics AeroSat Corporation
Phone Number: 603-879-0205
E-Mail: jonathan.epstein@astronics.com
Attention: Mr. Jonathan Epstein

VSAT, VMES Call Sign: E170070
Frequency band(s): 10950- 11200 MHZ, 11450-11950 MHz
Licensee: Kymeta Corporation
Phone Number: 425-896-3700
E-Mail: ryans@kymetacorp.com
Attention: Mr. Ryan Stevenson

NGSO BES Call Sign: E190066
Frequency band(s): 10700- 12700 MHz

Special Licensee: SpaceX Services, Inc.

Phone Number: 202-649-2700

E-Mail: patricia.cooper@spacex.com

Attention: Ms Patricia Cooper

VMES Call Sign: E110078

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

Licensee: KVH Industries, Inc.

Phone Number: 401-845-8148

E-Mail: ffeingold@kvh.com

Attention: Ms. Felise Feingold

VSAT Network Call Sign: E880423

Frequency band(s): 11700-12200 MHz

Licensee: Omnitrac, LLC

Name: QUALCOMM Incorporated

Phone Number: 858-845-1987

E-Mail: ckastner@qualcomm.com

Attention: Ms Suzanne Reynolds

VMES Call Sign: E060449, E060450, E060451

Frequency band(s): 11700-12200 MHz

Licensee: Gilat North America, L.L.C.

Name: RaySat Antenna Systems, LLC

Phone Number: 703-483-9581

E-Mail: david.gross@sigs-raysat.com

Attention: Mr. David Gross

VMES Call Sign: E100099

Frequency band(s): 11700-12200 MHz

Licensee: L-3 Communications Corporation Linkabit Division

Phone Number: 858-597-9102

Company: Intellicom Technologies

Phone Number: 480-993-2220

E-Mail: PMoller@ITCcom.net

Attention: Mr Paul Moller

Mobile Earth Station Call Sign: E960474

Frequency band(s): 11700-12200 MHz

Licensee: Omnitrac, LLC.

Name: Shaw Satellite Services Inc.

Phone Number: (403) 750-4592

Attention: Cynthia Rathwell

Name: Phuong N. Pham

Phone Number: (202) 383-3395

Company: Wilkinson Barker Knauer,

E-Mail: ppham@wbklaw.com

Mobile Earth Station Call Sign: E060390

Frequency band(s): 11700-12200 MHz

Licensee: L-3 Communications Corporation Linkabit Division

Phone Number: 858-597-9102

E-Mail: PMoller@ITCcom.net

Special Attention: Mr Paul Moller

- (6) Stop buzzer POC is Scott Albain at (734) 480-5018.
- (7) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number FA8750-19-C-1502. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (8) 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.