

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

EXPERIMENTAL

(Nature of Service)

WR9XVL

(Call Sign)

XC MO

(Class of Station)

0347-EX-ST-2021

(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: Dugway Proving Ground, Utah, within 25 km, centered around NL 40-10-00;
WL 113-04-00

Frequency Information

MOBILE: Dugway Proving Ground, Utah, within 25 km, centered around NL 40-10-00; WL 113-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.25-10.6 GHz	MO	2G35G3N	1.34 MW (ERP)	0.01 %
10.7-12.25 GHz	MO	1G55G3N	1.34 MW (ERP)	0.01 %

This authorization effective April 02, 2021 and
will expire 3:00 A.M. EST September 02, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (3) Prior to commencing any operations in the 11.7-12.2 GHz frequency band, experimental licensee must notify licensees of C-band earth stations. 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:

Call Sign: E2529, E010205

Licensee: Bonneville International Corporation

ATTN: Scott E. Eastmond

Phone: 801-575-7517 Fax:

E-Mail: seastmond@ksl.com

Call Sign: E030342

Licensee: LBiSat LLC

ATTN: Mr. Rusty Layton

Phone: 801-501-9090 Fax: 801-501-7338

E-Mail: rusty@lbisat.com

Call Sign: E970145

Licensee: Northrop Grumman Systems Corporation

ATTN: DAVID R. SIDDALL

Phone: 202-408-6429 Fax: 202-408-6399

E-Mail: dsiddall@sonnenschein.com

Call Sign: E020215, E020170

Licensee: Bonneville International Corporation

ATTN: Michael L Dowdle

Phone: 801-575-5874 Fax:

E-Mail: mdowdle@bonneville.com

Call Sign: E6254

Licensee: NBC Telemundo License LLC

ATTN: Margaret L Tobey

Phone: 202-524-6401 Fax: 202-524-6411

E-Mail: margaret.tobey@nbcuni.com

Call Sign: E040315

Licensee: Utah State University of Agricultural and Applied Science

ATTN: Friend Weller, Chief Engineer

Phone: 435-797-3162 Fax:

E-Mail: Friend.Weller@usu.edu

Call Sign: E190254

Licensee: Mainstream Data, Inc.

ATTN: Mr Mitchell J Rasmussen

Phone: 801-584-2800 Fax: 801-584-2831

E-Mail: mrasmussen@mainstreamdata.com

- (4) The authorized X-band UltraSAR Airborne Radar antennas are on a rotational pedestal mounted on the aircraft (10k ft - 16K ft AGL) allowing the antennas to view the ground.

Special Conditions:

- (5) The stop buzzer: Scott Albain
Phone: 734-480-5018
Email: Scott.Albain@maxar.com
- (6) Prior to commencing any in the 12.2 -12.25 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.
- (7) Prior to commencing any in the 12.2 -12.25 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.
- (8) Maxar Technologies must notch out the 10.6-10.7 GHz band.
- (9) Maxar Technologies must schedule all operations with Dugway Proving Ground Installation Spectrum Manager, Jason Straughan, Office: 435-831-3411
jason.p.straughan.civ@mail.mil
- (10) 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.
- (11) Licensee must successfully coordinate with Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (12) 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.