

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

EXPERIMENTAL

(Nature of Service)

WR9XAO

(Call Sign)

XT MO

(Class of Station)

0350-EX-ST-2021

(File Number)

NAME GATR Technologies, 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:

GATR seeks experimental Special Temporary Authority for testing and development of a Next Generation Troposcatter system for U.S. Marine Corp. See Exhibit 1.

Station Locations

(1) MOBILE: Huntsville, AL, within 250 km, centered around NL 34-43-03; WL 86-41-19

Frequency Information

MOBILE: Huntsville, AL, within 250 km, centered around NL 34-43-03; WL 86-41-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4430 MHz	MO		2.5 GW (ERP)	7.5E-6 %
		12M9D1D		
		26M0D1D		
		3M10D1D		
		3M40G1D		
		25M0G1D		
		13M0G1D		
		6M10G1D		
		12M3G1D		
		6M30G1D		
		26M5G1D		

This authorization effective July 12, 2021 and
will expire 3:00 A.M. EST October 12, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Huntsville, AL, within 250 km, centered around NL 34-43-03; WL 86-41-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4430 MHz	MO	3M00G1D 6M20D1D	2.5 GW (ERP)	7.5E-6 %
4530 MHz	MO	12M9D1D 26M0D1D 3M10D1D 3M40G1D 25M0G1D 13M0G1D 6M10G1D 12M3G1D 6M30G1D 26M5G1D 3M00G1D 6M20D1D	2.5 GW (ERP)	7.5E-6 %
4800 MHz	MO	12M9D1D 26M0D1D 3M10D1D 3M40G1D 25M0G1D 13M0G1D 6M10G1D 12M3G1D 6M30G1D 26M5G1D 3M00G1D 6M20D1D	2.5 GW (ERP)	7.5E-6 %
4930 MHz	MO	12M9D1D 26M0D1D	2.5 GW (ERP)	7.5E-6 %

Frequency Information

MOBILE: Huntsville, AL, within 250 km, centered around NL 34-43-03; WL 86-41-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4930 MHz	MO	3M10D1D 3M40G1D 25M0G1D 13M0G1D 6M10G1D 12M3G1D 6M30G1D 26M5G1D 3M00G1D 6M20D1D	2.5 GW (ERP)	7.5E-6 %
7125-7387.5 MHz	MO	3M10D1D 25M5D1D 25M7G1D 24M7G1D 12M7G1D 12M5D1D 6M10G1D 12M3G1D 3M10G1D 6M40G1D 6M20D1D	4.4 GW (ERP)	7.5E-6 %
7487.5-7750 MHz	MO	3M10D1D 25M5D1D 25M7G1D 24M7G1D 12M7G1D 12M5D1D 6M10G1D 12M3G1D 3M10G1D 6M40G1D	4.4 GW (ERP)	7.5E-6 %

Frequency Information

MOBILE: Huntsville, AL, within 250 km, centered around NL 34-43-03; WL 86-41-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7487.5-7750 MHz	MO	6M20D1D	4.4 GW (ERP)	7.5E-6 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Stop Buzzer: John Burger at 256-382-1334 ext. 6021, mobile: 256-541-3572, E-mails: JBurger@gatr.com and Satellite.Services@cubic.com.
- (5) The applicant shall coordinate with the local Society of Broadcast Engineer frequency coordinator prior to operation in 7125-7387.5 MHz band (excluding the identified notch outs) to protect the Broadcast Auxiliary Service operations in adjacent channel.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Marine Corp., Contract Number M67854-19-R-2000. 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.
- (7) 24 hours prior to testing, GATR Technologies, Inc. must contact the Control and Analysis Office (96 OSS/OSOQ) as this emission will need to be scheduled around certain Eglin operations: (850) 882-9588; robert.edwards.7@us.af.mil; antoine.tillman.1@us.af.mil; thomas.monan@us.af.mil; michael.diggs@us.af.mil.
- (8) GATR Technologies, Inc. must not operate on the following requested discrete frequencies in order to avoid causing interference to ongoing federal operations:
 - a. 4430 MHz and 4930 MHz
- (9) GATR Technologies, Inc. must ensure emissions do not extend into the following bands, in order to avoid causing interference to ongoing federal operations:
 - 4774 - 4790 MHz, and 7145 - 7250
- (10) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number: amends stop buzzer POC.