

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WR9XAO

(Call Sign)

0011-EX-TC-2021

(File Number)

NAME GATR Technologies, Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

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		
		3M00G1D		
		6M20D1D		

This authorization effective August 17, 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 (+/-)
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 3M10D1D 3M40G1D 25M0G1D 13M0G1D 6M10G1D	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	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 6M20D1D	4.4 GW (ERP)	7.5E-6 %

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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Stop Buzzer: Chi Nche at 256-382-1334 ext. 6161, mobile: (619) 807-4660, e-mail: Chi.Nche@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