

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

EXPERIMENTAL

(Nature of Service)

WL9XMC

(Call Sign)

XT MO

(Class of Station)

0802-EX-ST-2017

(File Number)

NAME Georgia Institute of Technology

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:

This test will provide configuration confidence prior to deploying the transmitter, A/D, antenna, and receiver system during a live-fire test of the HAWK missile.

Station Locations

- (1) MOBILE: MC2 Rocketry, Manchester, TN, within 25 km, centered around NL 35-29-37;
WL 85-57-43

Frequency Information

MOBILE: MC2 Rocketry, Manchester, TN, within 25 km, centered around NL 35-29-37; WL 85-57-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2209.5 MHz	MO	2M00F1D	10 W (ERP)	0.01 %
2238.5 MHz	MO	2M00F1D	10 W (ERP)	0.01 %
2267.5 MHz	MO	2M00F1D	10 W (ERP)	0.01 %

This authorization effective July 07, 2017 and
will expire 3:00 A.M. EST December 15, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: MC2 Rocketry, Manchester, TN, within 25 km, centered around NL 35-29-37; WL 85-57-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2296.5 MHz	MO	2M00F1D	10 W (ERP)	0.01 %

Special Conditions:

- (1) Georgia Institute of Technology should be aware that the band 2200-2290 MHz is allocated for federal satellite and fixed line-sight operations. Non-federal use is on a case-by-case basis and Georgia Institute of Technology should have no expectations of automatic approval in this band in future submissions.