

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

EXPERIMENTAL

(Nature of Service)

WL9XRM

(Call Sign)

XT MO

(Class of Station)

1107-EX-ST-2017

(File Number)

NAME MRTC Motorsport Communications

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:

Terrestrial only, international and domestic video production operation; voice and telemetry between racing cars and pit crews; and two-way operational and security communications.

Station Locations

- (1) MOBILE: Circuit of the Americas Motor Speedway, Austin, TX, within 1.6 km, centered around NL 30-08-02; WL 97-38-18

Frequency Information

MOBILE: Circuit of the Americas Motor Speedway, Austin, TX, within 1.6 km, centered around NL 30-08-02; WL 97-38-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.8-173 MHz	MO	11K2F3E 11K2F1D	5 W (ERP)	
408-410 MHz	MO	20K0F1D	10 W (ERP)	
442-450 MHz	MO	11K2F3E	4 W (ERP)	

This authorization effective September 11, 2017 and
will expire 3:00 A.M. EST September 17, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Circuit of the Americas Motor Speedway, Austin, TX, within 1.6 km, centered around NL 30-08-02; WL 97-38-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
442-450 MHz	MO	20K0F1D 11K2F1D	4 W (ERP)	
450-470 MHz	MO	11K2F3E 11K2F1D 20K0F1D	4 W (ERP)	
470-512 MHz	MO	75K0F1D 40K0F1D	1 W (ERP)	
614-698 MHz	MO	200KF3E 40K0F1D	1 W (ERP)	
1530-1550 MHz	MO	4M00F1D	1 W (ERP)	
2180-2290 MHz	MO	10M0D7W	250 mW (ERP)	
6875-7125 MHz	MO	10M0D7W	250 mW (ERP)	
9405-9505 MHz	MO	10M0M2N	25 kW (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.

Special Conditions:

- (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) Coordinate with the local SBE frequency coordinator prior to operation in 152.8-173 MHz, 450-470 MHz, 470-512 MHz, 614-698 MHz and 6875-7125 MHz bands.
- (5) All operations subject to notification of the following Mobility Division services within 50 miles of the test area:
 - Paging licensees in 152 MHz, 158 MHz, 152 MHz/158 MHz and 454 MHz/459 MHz
 - General Aviation Air-Ground Service in 454 MHz/459 MHz
- (6) All of the experimental devices be retrieved by MRTC Motorsport Communications from the participants upon completion of the operation.
- (7) Secure consents from the AWS licensees prior to accessing to 2180-2290 MHz band.
- (8) MRTC Motorsport Communications must adhere to all the conditions listed in attachment "Narrative Purpose of STA and Frequency Coordination"
- (9) MRTC Motorsport Communications must also notch out 408.5125 MHz.
- (10) MRTC Motorsport Communications 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. MRTC Motorsport Communications should have no expectations of automatic approval in this band in future submissions.