

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

EXPERIMENTAL

(Nature of Service)

WS9XHQ

(Call Sign)

XT MO

(Class of Station)

0668-EX-ST-2021

(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: Brooklyn, NY at Brooklyn Cruise Terminal, within 2 km, centered around NL 40-40-48; WL 74-00-57

Frequency Information

MOBILE: Brooklyn, NY at Brooklyn Cruise Terminal, within 2 km, centered around NL 40-40-48; WL 74-00-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154.12-172 MHz	MO	11K2F1E 8K30F1E	5 W (ERP)	
415-440 MHz	MO	11K2F3E 8K50F3E	4 W (ERP)	

This authorization effective July 05, 2021 and
will expire 3:00 A.M. EST July 12, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Brooklyn, NY at Brooklyn Cruise Terminal, within 2 km, centered around NL 40-40-48; WL 74-00-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440-608 MHz	MO	11K2F3E 11K2F3D 190KF3E	4 W (ERP)	
2025-2110 MHz	MO	10M0D7W 7M00W7W	500 mW (ERP)	
2360-2415 MHz	MO	7M00W7W 10M0D7W	500 mW (ERP)	
3300-3305 MHz	MO	8M00D7W	100 mW (ERP)	
7125-7490 MHz	MO	7M00D7W 7M00W7W	100 mW (ERP)	

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Mid-Atlantic Area Frequency Coordinator (AFC), Patuxent River, MD, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) All of the experimental devices be retrieved by MRTC Motorsport Communications from the participants upon completion of the operation.

Special Conditions:

- (5) Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 154.12-174 MHz, 450-470 MHz, 590-608 MHz, 614-676 MHz, 2025-2110 MHz and 6875-7125 MHz bands.
- (6) The stop buzzer contact is Christopher Imlay at (301) 384-5525.
- (7) Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 154.12-172 MHz, 440-608 MHz, and 2025-2110 MHz bands.
- (8) Prior to commencing any operations in the 161-163 MHz frequency band, experimental licensee must notify licensee of ORBCOMM License Corp. (Call signs: E940534, S2103. Mr. Walter H. Sonnenfeldt, Phone Number: 585-461-3018, E-Mail: sonnenfeldt.walter@orbcomm.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 height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (9) Prior to commencing any operations in the 156.0125-162.0375 MHz frequency band, experimental licensee must notify licensee of Iridium Constellation LLC (Ms. Maureen C McLaughlin, Phone Number: 703-287-7518 E-Mail: maureen.mclaughlin@iridium.com) or Name: Jennifer Hindin, Phone Number: 202-719-4975 E-Mail: jhindin@wileyrein.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 height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (10) Prior to commencing any operations in the 156.7625-156.7875 MHz, 156.8125-156.8375 MHz, 161.9625-161.9875 MHz, 162.0125-162.0375 MHz, 161.9375-161.9625 MHz, and 161.9875-162.0125 MHz frequency bands, experimental licensee must notify licensee of Spire Global, Inc. (Name: Mrs. Francisca Adeuyi, Phone Number: 415-356-3400 x307, E-Mail: francisca.adeuyi@spire.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 height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (11) Prior to commencing any operations in the 156.5125-156.5375 MHz, 156.7625-156.7875 MHz, 156.8125-156.8375 MHz, 161.9625-161.9875 MHz, 162.0125-162.0375 MHz frequency bands, experimental licensee must notify licensee of HawkEye 360, Inc. (Call sign: S3042. Name: Mr. Rob Rainhart, Phone Number: 571-203-0360 E-Mail: rob@he360.com or Mr. Michael Mineiro Phone Number: 571-203-0360 E-Mail: michael.mineiro@he360.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 height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (12) Operation is prohibited on any Public Safety frequency listed under Part 90 rules.

Special Conditions:**(13) MRTC Motorsport Communications must notch out the following:****a. Frequencies:**

i. (+/- 5.5 kHz) 162.325 MHz, 163.05 MHz, 163.1375 MHz, 164.55 MHz, 164.9 MHz, 165.3125 MHz, 165.325 MHz, 166.6625 MHz, 168.6125 MHz, 169.875 MHz, 170.525 MHz, 171.3125 MHz, 171.375 MHz, 171.575 MHz,

ii. (+/- 8 kHz) 156.3 MHz, 156.325 MHz, 156.525 MHz, 156.55 MHz, 156.6 MHz, 156.65 MHz, 156.7 MHz, 156.8 MHz, 157.15 MHz, 161.025 MHz, 415.275 MHz, 416.475 MHz, 416.675 MHz, 418.475 MHz, 419.675 MHz,

iii. (+/- 12 kHz) 156.8 MHz, 157.125 MHz, 162.7 MHz, 164.2 MHz, 164.45 MHz, 165.075 MHz, 165.4125 MHz, 165.725 MHz, 166.425 MHz, 166.475 MHz, 167.675 MHz, 168.35 MHz, 168.4875 MHz, 169.1875 MHz, 170.7375 MHz, 170.75 MHz, 171.2375 MHz, 415.000 MHz, 416.375 MHz, 418.175 MHz, 419.025 MHz,

b. Bands:

i. 415 – 416 MHz, 7125 – 7138 MHz, 7187 – 7199 MHz, 7213 – 7219 MHz

(14) Prior to commencing any operations in the frequencies below, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:

- Paging Service licensees in 158 MHz
- Mobile Service licensees in 152 MHz/158 MHz
- Mobile Service licensees in 454 MHz/459 MHz
- General Aviation Air-Ground Service in 454 MHz/459 MHz