

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

EXPERIMENTAL

(Nature of Service)

WS9XKB

(Call Sign)

XT MO

(Class of Station)

0761-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:

Testing of automobile racing communications system involving two race teams and multiple race vehicles at multiple venues. Please see attached narrative and frequency coordination exhibit.

Station Locations

- (1) MOBILE: Braselton, GA. Road Atlanta Race Track, within 5 km, centered around NL 34-08-48; WL 83-49-04
- (2) MOBILE: Virginia International Raceway, Alton VA, within 5 km, centered around NL 36-33-42; WL 79-12-16
- (3) MOBILE: Watkins Glen, NY. International Speedway, NY, within 5 km, centered around NL 42-20-13; WL 76-55-38
- (4) MOBILE: Elkhart Lake, WI. Road America Race Track Elkhart Lake, WI, within 5 km, centered around NL 43-47-51; WL 87-59-38
- (5) MOBILE: Lakeville, CT. Lime Rock Park Race Track, within 5 km, centered around NL 41-55-40; WL 73-22-57
- (6) MOBILE: Laguna Seca, CA. Weathertech Raceway, within 5 km, centered around NL 36-35-05; WL 121-45-10
- (7) MOBILE: Long Beach, CA, within 5 km, centered around NL 33-45-59; WL 118-11-34

This authorization effective July 20, 2021 and
will expire 3:00 A.M. EST October 10, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Braselton, GA. Road Atlanta Race Track, within 5 km, centered around NL 34-08-48; WL 83-49-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.575 MHz	MO	11K2F3E	5 W (ERP)	
157.7375 MHz	MO	11K2F3E	5 W (ERP)	
162.3 MHz	MO	11K2F3E	5 W (ERP)	
162.3375 MHz	MO	11K2F3E	5 W (ERP)	
163.5875 MHz	MO	11K2F2E 11K2F2E	5 W (ERP)	
168.7375 MHz	MO	11K2F3E	5 W (ERP)	
173.225 MHz	MO	11K2F3E	5 W (ERP)	
455.625 MHz	MO	11K2F3E	5 W (ERP)	
457.3375 MHz	MO	11K2F3E	5 W (ERP)	
461.5625 MHz	MO	11K2F3E	5 W (ERP)	

Frequency Information

MOBILE: Braselton, GA. Road Atlanta Race Track, within 5 km, centered around NL 34-08-48; WL 83-49-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
468.2 MHz	MO	11K2F3E	5 W (ERP)	
468.55 MHz	MO	11K2F3E	5 W (ERP)	

MOBILE: Virginia International Raceway, Alton VA, within 5 km, centered around NL 36-33-42; WL 79-12-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.575 MHz	MO	11K2F3E	5 W (ERP)	
157.7375 MHz	MO	11K2F3E	5 W (ERP)	
162.3 MHz	MO	11K2F3E	5 W (ERP)	
162.3375 MHz	MO	11K2F3E	5 W (ERP)	
168.7375 MHz	MO	11K2F3E	5 W (ERP)	
468.2 MHz	MO	11K2F3E	5 W (ERP)	
468.55 MHz	MO	11K2F3E	5 W (ERP)	

Frequency Information

MOBILE: Watkins Glen, NY. International Speedway, NY, within 5 km, centered around NL 42-20-13; WL 76-55-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.575 MHz	MO	11K2F3E	5 W (ERP)	
157.7375 MHz	MO	11K2F3E	5 W (ERP)	
162.3 MHz	MO	11K2F3E	5 W (ERP)	
162.3375 MHz	MO	11K2F3E	5 W (ERP)	
163.5875 MHz	MO	11K2F3E	5 W (ERP)	
168.7375 MHz	MO	11K2F3E	5 W (ERP)	
173.225 MHz	MO	11K2F3E	5 W (ERP)	
455.625 MHz	MO	11K2F3E	5 W (ERP)	
457.3375 MHz	MO	11K2F3E	5 W (ERP)	
461.5625 MHz	MO	11K2F3E	5 W (ERP)	

Frequency Information

MOBILE: Watkins Glen, NY. International Speedway, NY, within 5 km, centered around NL 42-20-13; WL 76-55-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
468.2 MHz	MO	11K2F3E	5 W (ERP)	
468.55 MHz	MO	11K2F3E	5 W (ERP)	

MOBILE: Elkhart Lake, WI. Road America Race Track Elkhart Lake, WI, within 5 km, centered around NL 43-47-51; WL 87-59-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.575 MHz	MO	11K2F3E	5 W (ERP)	
157.7375 MHz	MO	11K2F3E	5 W (ERP)	
162.3 MHz	MO	11K2F3E	5 W (ERP)	
162.3375 MHz	MO	11K2F3E	5 W (ERP)	
168.7375 MHz	MO	11K2F3E	5 W (ERP)	
468.2 MHz	MO	11K2F3E	5 W (ERP)	
468.55 MHz	MO	11K2F3E	5 W (ERP)	

Frequency Information

MOBILE: Lakeville, CT. Lime Rock Park Race Track, within 5 km, centered around NL 41-55-40; WL 73-22-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.575 MHz	MO	11K2F3E	5 W (ERP)	
157.7375 MHz	MO	11K2F3E	5 W (ERP)	
162.3 MHz	MO	11K2F3E	5 W (ERP)	
162.3375 MHz	MO	11K2F3E	5 W (ERP)	
168.7375 MHz	MO	11K2F3E	5 W (ERP)	
468.2 MHz	MO	11K2F3E	5 W (ERP)	
468.55 MHz	MO	11K2F3E	5 W (ERP)	

MOBILE: Laguna Seca, CA. Weathertech Raceway, within 5 km, centered around NL 36-35-05; WL 121-45-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.575 MHz	MO	11K2F3E	5 W (ERP)	
157.7375 MHz	MO	11K2F3E	5 W (ERP)	

Frequency Information

MOBILE: Laguna Seca, CA. Weathertech Raceway, within 5 km, centered around NL 36-35-05; WL 121-45-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
162.3 MHz	MO	11K2F3E	5 W (ERP)	
162.3375 MHz	MO	11K2F3E	5 W (ERP)	
168.7375 MHz	MO	11K2F3E	5 W (ERP)	
468.2 MHz	MO	11K2F3E	5 W (ERP)	
468.55 MHz	MO	11K2F3E	5 W (ERP)	

MOBILE: Long Beach, CA, within 5 km, centered around NL 33-45-59; WL 118-11-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.575 MHz	MO	11K2F3E	5 W (ERP)	
157.7375 MHz	MO	11K2F3E	5 W (ERP)	
162.3 MHz	MO	11K2F3E	5 W (ERP)	
162.3375 MHz	MO	11K2F3E	5 W (ERP)	

Frequency Information

MOBILE: Long Beach, CA, within 5 km, centered around NL 33-45-59; WL 118-11-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
168.7375 MHz	MO	11K2F3E	5 W (ERP)	
468.2 MHz	MO	11K2F3E	5 W (ERP)	
468.55 MHz	MO	11K2F3E	5 W (ERP)	

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) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.
- (4) MRTC Motorsport Communications may not operate on the following: 163.7125 MHz, 168.625 MHz, due to interference with ongoing federal operations.
- (5) Prior to commencing any operations in the 161-163 MHz frequency bands, 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.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Christopher Imlay at (301) 351-3795.