

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

EXPERIMENTAL

(Nature of Service)

WR9XRE

(Call Sign)

XT MO

(Class of Station)

0278-EX-ST-2021

(File Number)

NAME COSWORTH ELECTRONICS

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 WiMAX system provides the NTT IndyCar series with wireless telemetry data from each car and safety vehicle while on-track. The data is primarily used by the teams to collect onboard

Station Locations

- (1) MOBILE: Barber Motorsports Park, Birmingham, AL, within 1 km, centered around NL 33-31-55; WL 86-37-08
- (2) MOBILE: St. Petersburg Race Track (Salvador Dali Museum), St. Petersburg, FL, within 1 km, centered around NL 27-45-58; WL 82-37-54
- (3) MOBILE: Texas Motor Speedway, Fort Worth, TX, within 1 km, centered around NL 33-02-13; WL 97-16-52
- (4) MOBILE: Indianapolis Motor Speedway, Indianapolis, IN, within 1 km, centered around NL 39-47-41; WL 86-14-04
- (5) MOBILE: Detroit Race Track, Belle Isle/Detroit, MI, within 1 km, centered around NL 42-20-10; WL 82-59-29
- (6) MOBILE: Road America, Plymouth, WI, within 1 km, centered around NL 43-47-54; WL 87-59-41
- (7) MOBILE: Mid-Ohio Sportscar Course, Lexington, OH, within 1 km, centered around NL 40-41-20; WL 82-38-09
- (8) MOBILE: Nashville Street Circuit (Nissan Stadium), Nashville, TN, within 1 km, centered around NL 36-09-46; WL 86-46-11
- (9) MOBILE: Worldwide Technology Raceway, Madison, IL, within 1 km, centered around NL 38-39-02; WL 90-08-07
- (10) MOBILE: Portland International Raceway, Portland, OR, within 1 km, centered around NL 45-35-48; WL 122-41-41

This authorization effective March 30, 2021 and
will expire 3:00 A.M. EST October 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

(11) MOBILE: WeatherTech Raceway Laguna Seca, Monterey, CA, within 1 km, centered around NL 36-35-04; WL 121-45-12

(12) MOBILE: Long Beach Street Course, Long Beach, CA, within 1 km, centered around NL 33-45-50; WL 118-11-17

Frequency Information

MOBILE: Barber Motorsports Park, Birmingham, AL, within 1 km, centered around NL 33-31-55; WL 86-37-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

MOBILE: St. Petersburg Race Track (Salvador Dali Museum), St. Petersburg, FL, within 1 km, centered around NL 27-45-58; WL 82-37-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

MOBILE: Texas Motor Speedway, Fort Worth, TX, within 1 km, centered around NL 33-02-13; WL 97-16-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

MOBILE: Indianapolis Motor Speedway, Indianapolis, IN, within 1 km, centered around NL 39-47-41; WL 86-14-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

Frequency Information

MOBILE: Detroit Race Track, Belle Isle/Detroit, MI, within 1 km, centered around NL 42-20-10; WL 82-59-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

MOBILE: Road America, Plymouth, WI, within 1 km, centered around NL 43-47-54; WL 87-59-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

MOBILE: Mid-Ohio Sportscar Course, Lexington, OH, within 1 km, centered around NL 40-41-20; WL 82-38-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

MOBILE: Nashville Street Circuit (Nissan Stadium), Nashville, TN, within 1 km, centered around NL 36-09-46; WL 86-46-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

Frequency Information

MOBILE: Worldwide Technology Raceway, Madison, IL, within 1 km, centered around NL 38-39-02; WL 90-08-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

MOBILE: Portland International Raceway, Portland, OR, within 1 km, centered around NL 45-35-48; WL 122-41-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

MOBILE: WeatherTech Raceway Laguna Seca, Monterey, CA, within 1 km, centered around NL 36-35-04; WL 121-45-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

MOBILE: Long Beach Street Course, Long Beach, CA, within 1 km, centered around NL 33-45-50; WL 118-11-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3655-3695 MHz	MO	10M0D1D	13 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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.

Special Conditions:

- (3) COSWORTH ELECTRONICS must coordinate its operations in the 3655-3695 MHz band with one or more authorized Spectrum Access System (SAS) administrators to obtain channel assignments and avoid causing harmful interference to authorized users of the band, including General Authorized Access (GAA) users.
- (4) Licensee shall be aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.