

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

EXPERIMENTAL

(Nature of Service)

WO9XLU

(Call Sign)

XT FX MO

(Class of Station)

1676-EX-ST-2020

(File Number)

NAME Robert Bosch LLC

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 and development of new telematics product for applications in different types of vehicles.
See attached narrative.

Station Locations

- (1) Plymouth, MI - NL 42-23-29; WL 83-26-25; MOBILE: Plymouth, MI within 50 mile radius of Plymouth, within 80 km, centered around NL 42-23-29; WL 83-26-25
- (2) Novi, MI - NL 42-30-21; WL 83-26-40; MOBILE: Novi, MI. within 5 mile radius of Novi, MI, within 8 km, centered around NL 42-30-21; WL 83-26-40
- (3) MOBILE: Flat Rock, MI. within 8 km of vehicle manufacturing facility, within 8 km, centered around NL 42-04-45; WL 83-19-06

Frequency Information

Plymouth, MI - NL 42-23-29; WL 83-26-25; MOBILE: Plymouth, MI within 50 mile radius of Plymouth, within 80 km, centered around NL 42-23-29; WL 83-26-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
699-716 MHz	MO	10M0D7W 10M0G7D 10M0G7W 10M0W7D	200 mW (ERP)	

This authorization effective November 12, 2020 and
will expire 3:00 A.M. EST May 08, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Plymouth, MI - NL 42-23-29; WL 83-26-25; MOBILE: Plymouth, MI within 50 mile radius of Plymouth, within 80 km, centered at

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	5M00F9W	1 W (ERP)	
1710-1755 MHz	MO	20M0D7W 20M0G7D 20M0G7W 20M0W7D	200 mW (ERP)	
1850-1910 MHz	MO	5M00F9W 5M00G7W 20M0D7W 20M0G7D 20M0G7W 20M0W7D	1 W (ERP)	
2400-2483.5 MHz	MO	20M0D1D 2M00F1D	63 mW (ERP)	
5500-5600 MHz	MO	20M0D1D	200 mW (ERP)	
5650-5825 MHz	MO	20M0D1D	200 mW (ERP)	
5855-5925 MHz	MO	10M0W7W	200 mW (ERP)	

Frequency Information

Novi, MI - NL 42-30-21; WL 83-26-40; MOBILE: Novi, MI. within 5 mile radius of Novi, MI, within 8 km, centered around NL 42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
699-716 MHz	MO	10M0D7W 10M0G7D 10M0G7W 10M0W7D	200 mW (ERP)	
824-849 MHz	MO	5M00F9W	1 W (ERP)	
1710-1755 MHz	MO	20M0D7W 20M0G7D 20M0G7W 20M0W7D	200 mW (ERP)	
1850-1910 MHz	MO	20M0D7W 20M0G7D 20M0G7W 20M0W7D 5M00F9W 5M00G7W	1 W (ERP)	
2400-2483.5 MHz	MO	20M0D1D 20M0F1D	135 mW (ERP)	
5500-5600 MHz	MO	20M0D1D	75 mW (ERP)	
5650-5825 MHz	MO	20M0D1D	75 mW (ERP)	

Frequency Information

Novi, MI - NL 42-30-21; WL 83-26-40; MOBILE: Novi, MI. within 5 mile radius of Novi, MI, within 8 km, centered around NL 42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5855-5925 MHz	MO	10M0W7W	200 mW (ERP)	

MOBILE: Flat Rock, MI. within 8 km of vehicle manufacturing facility, within 8 km, centered around NL 42-04-45; WL 83-19-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
699-716 MHz	MO	10M0D7W 10M0G7D 10M0G7W 10M0W7D	200 mW (ERP)	
824-849 MHz	MO	5M00F9W	260 mW (ERP)	
1710-1755 MHz	MO	20M0D7W 20M0G7D 20M0G7W 20M0W7D	1 W (ERP)	
1850-1910 MHz	MO	20M0D7W 20M0G7D 20M0G7W 20M0W7D 5M00F9W 5M00G7W	1 W (ERP)	
2400-2483.5 MHz	MO	20M0D1D	135 mW (ERP)	

Frequency Information

MOBILE: Flat Rock, MI. within 8 km of vehicle manufacturing facility, within 8 km, centered around NL 42-04-45; WL 83-19-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2483.5 MHz	MO	20M0F1D	135 mW (ERP)	
5500-5600 MHz	MO	20M0D1D	75 mW (ERP)	
5650-5825 MHz	MO	20M0D1D	75 mW (ERP)	
5855-5925 MHz	MO	10M0W7W	200 mW (ERP)	

Special Conditions:

- (1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (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) Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 2400-2483.5 MHz band.
- (5) Coordinate with Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 2450-2483.5 MHz band
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (7) The licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 700 MHz Lower Band "A" block licensees (698-704 MHz/728-734 MHz)
 700 MHz Lower Band "B" block licensees (704-710 MHz/734-740 MHz)
 700 MHz Lower Band "C" block licensees (710-716 MHz/740-746 MHz)
 Cellular licensees (824-849 MHz/869-894 MHz)
 Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (8) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (9) All of the experimental devices be retrieved by Robert Bosch LLC from the participants upon completion of the operation.

Special Conditions:

- (10) Operation is not permitted in 5600-5650 MHz band to protect FAA weather radars.
- (11) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.