

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WL2XRQ

(Call Sign)

XD MO

(Class of Station)

0322-EX-CN-2021

(File Number)

NAME Robert Bosch LLC

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Howell, Michigan, within 320 km, centered around NL 42-37-14; WL 83-47-02
- (2) MOBILE: San Francisco, California, within 320 km, centered around NL 37-46-29; WL 122-25-09
- (3) MOBILE: Winship, California, within 320 km, centered around NL 38-58-16; WL 121-49-44
- (4) MOBILE: Seattle, Washington, within 320 km, centered around NL 47-36-28; WL 122-20-06

Frequency Information

MOBILE: Howell, Michigan, within 320 km, centered around NL 42-37-14; WL 83-47-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
699-716 MHz	MO	20M0W7D	200 mW (ERP)	
824-849 MHz	MO	5M00F9W	1 W (ERP)	
824-849 MHz	MO	20M0W7D	200 mW (ERP)	

This authorization effective June 03, 2021 and
will expire 3:00 A.M. EST January 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Howell, Michigan, within 320 km, centered around NL 42-37-14; WL 83-47-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	5M00F9W	1 W (ERP)	
1710-1755 MHz	MO	20M0W7D	200 mW (ERP)	
1850-1910 MHz	MO	5M00	1 W (ERP)	
1850-1910 MHz	MO	20M0	200 mW (ERP)	
1850-1910 MHz	MO	20M0W7D	1 W (ERP)	
1850-1910 MHz	MO	5M00F9W	200 mW (ERP)	

MOBILE: San Francisco, California, within 320 km, centered around NL 37-46-29; WL 122-25-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
699-716 MHz	MO	20M0W7D	200 mW (ERP)	
824-849 MHz	MO	5M00F9W	1 W (ERP)	
824-849 MHz	MO	20M0W7D	200 mW (ERP)	

Frequency Information

MOBILE: San Francisco, California, within 320 km, centered around NL 37-46-29; WL 122-25-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	5M00F9W	1 W (ERP)	
1710-1755 MHz	MO	20M0W7D	200 mW (ERP)	
1850-1910 MHz	MO	20M0	200 mW (ERP)	
1850-1910 MHz	MO	20M0W7D 5M00F9W	1 W (ERP)	
1850-1910 MHz	MO	5M00F9W	200 mW (ERP)	

MOBILE: Winship, California, within 320 km, centered around NL 38-58-16; WL 121-49-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
699-716 MHz	MO	20M0W7D	200 mW (ERP)	
824-849 MHz	MO	5M00F9W	1 W (ERP)	
824-849 MHz	MO	20M0W7D	200 mW (ERP)	
1710-1755 MHz	MO	5M00F9W	1 W (ERP)	

Frequency Information

MOBILE: Winship, California, within 320 km, centered around NL 38-58-16; WL 121-49-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	20M0W7D	200 mW (ERP)	
1850-1910 MHz	MO	5M00F9W	1 W (ERP)	
1850-1910 MHz	MO	20M0W7D	200 mW (ERP)	

MOBILE: Seattle, Washington, within 320 km, centered around NL 47-36-28; WL 122-20-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
699-716 MHz	MO	20M0W7D	200 mW (ERP)	
824-849 MHz	MO	5M00F9W	1 W (ERP)	
824-849 MHz	MO	20M0W7D	200 mW (ERP)	
1710-1755 MHz	MO	5M00F9W	1 W (ERP)	
1710-1755 MHz	MO	20M0W7D	200 mW (ERP)	
1850-1910 MHz	MO	5M00F9W	1 W (ERP)	

Frequency Information

MOBILE: Seattle, Washington, within 320 km, centered around NL 47-36-28; WL 122-20-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1910 MHz	MO	20M0W7D	200 mW (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) 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.
- (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) Prior to commencing any operations in the frequencies below, Robert Bosch LLC 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)
- (5) The stop buzzer POC is Nicholas Engels at (248) 563-8137.