Carl Kipp, 30003 Fisher Brothers Rd, Warren, MI 48090-9020,

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

EXPERIMENTAL	WE2XUD
(Nature of Service)	(Call Sign)
XT FX	0190-EX-CR-2020
(Class of Station)	(File Number)

NAME General Motors Research Corporation

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(l) of the Commission's Rules

Station Locations

(1) Detroit (WAYNE), MI - NL 42-30-52; WL 83-02-03
(2) Warren (MACOMB), MI - NL 42-30-42; WL 83-01-59
(3) Warren (MACOMB), MI - NL 42-30-48; WL 83-01-59

Frequency Information

Detroit (WAYNE), MI - NL 42-30-52; WL 83-02-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1575.42 MHz	FX	20M4W7D	17.8 pW (ERP)	0.01 %

Warren (MACOMB), MI - NL 42-30-42; WL 83-01-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1575.42 MHz	FX	20M4W7D	39.8 pW (ERP)	0.01 %

This authorization effective July 01, 2020 and
will expire 3:00 A.M. EST June 01, 2022

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

Warren (MACOMB), MI - NL 42-30-48; WL 83-01-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1575.42 MHz	FX	20M4W7D	24 pW (ERP)	0.01 %

Special Conditions:

(1) GPS re-radiators are limited to a maximum EIRP value that will result in power levels not to exceed a power spectral density of -140 dBm/24 MHz measured at a distance of 100 ft from the building where the test is being conducted. Any malfunction, misalignment, or tampering of the equipment or its location which results in an increased power spectral density outside the building could cause harmful radio frequency interference to GPS receivers, including those in aircraft and/or ground based facilities.

(2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

(3) Stop buzzer is Tom Spoto, 586-419-5982 or Stephen L. Snyder, 586-863-7127.

(4) Area of potential interference to GPS reception is under the control of licensee.

(5) Licensee must post a sign on doors to the testing area stating GPS re-radiator in use and GPS information may be impacted for periods of time.

(6) Licensee has submitted calculations that predict that the installation will be at or below the limit specified in NTIA manual section 8.3.28 condition 6.