

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

EXPERIMENTAL

(Nature of Service)

WJ2XVQ

(Call Sign)

XT FX MO

(Class of Station)

0735-EX-CN-2018

(File Number)

NAME Softronic Ltd.

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(a) of the Commission's Rules

Station Locations

- (1) Marion (LINN), IA - NL 42-01-10; WL 91-36-02
- (2) MOBILE: Within 50 KM radius of Pittsford NY, within 50 km, centered around NL 43-05-26; WL 77-30-54
- (3) MOBILE: Within 50 KM radius of St Louis MO, within 50 km, centered around NL 38-37-38; WL 90-11-52
- (4) MOBILE: Within 50 KM radius of Ashburn VA, within 50 km, centered around NL 39-02-37; WL 77-29-15
- (5) MOBILE: Within 160 KM radius of Marion IA base station, within 160 km, centered around NL 42-01-10; WL 91-36-02
- (6) MOBILE: Within 50 KM radius of Fort Lauderdale FL, within 50 km, centered around NL 26-07-20; WL 80-08-36
- (7) MOBILE: Within 50 KM radius of Stratford NJ, within 50 km, centered around NL 39-49-36; WL 75-00-56
- (8) MOBILE: Within 50 KM radius of Spencer SD, within 50 km, centered around NL 43-46-38; WL 97-34-13

Frequency Information

Marion (LINN), IA - NL 42-01-10; WL 91-36-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2398-2485 kHz	FX	48K0J1D	500 W (ERP)	0.005 %

This authorization effective March 12, 2019 and
will expire 3:00 A.M. EST March 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Marion (LINN), IA - NL 42-01-10; WL 91-36-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2398-2485 kHz	FX	48K0D1D	500 W (ERP)	0.005 %
7410-7483 kHz	FX	48K0J1D 48K0D1D	500 W (ERP)	0.005 %
9050-9350 kHz	FX	48K0J1D 48K0D1D	500 W (ERP)	0.005 %
11550-12090 kHz	FX	48K0J1D 48K0D1D	500 W (ERP)	0.005 %
13850-13990 kHz	FX	48K0J1D 48K0D1D	500 W (ERP)	0.005 %
14360-14550 kHz	FX	48K0J1D 48K0D1D	500 W (ERP)	0.005 %
15760-15860 kHz	FX	48K0J1D 48K0D1D	500 W (ERP)	0.005 %
18178-18610 kHz	FX	48K0J1D 48K0D1D	500 W (ERP)	0.005 %
21460-21860 kHz	FX	48K0J1D	500 W (ERP)	0.005 %

Frequency Information

Marion (LINN), IA - NL 42-01-10; WL 91-36-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
21460-21860 kHz	FX	48K0D1D	500 W (ERP)	0.005 %
23460-24460 kHz	FX	48K0J1D 48K0D1D	500 W (ERP)	0.005 %

MOBILE: Within 50 KM radius of Pittsford NY, within 50 km, centered around NL 43-05-26; WL 77-30-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2398-2485 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
7410-7483 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
9050-9350 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
11550-12090 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
13850-13990 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
14360-14550 kHz	MO	48K0J1D	50 W (ERP)	0.005 %

Frequency Information

MOBILE: Within 50 KM radius of Pittsford NY, within 50 km, centered around NL 43-05-26; WL 77-30-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14360-14550 kHz	MO	48K0D1D	50 W (ERP)	0.005 %
15760-15860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
18178-18610 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
21460-21860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
23460-24460 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

MOBILE: Within 50 KM radius of St Louis MO, within 50 km, centered around NL 38-37-38; WL 90-11-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2398-2485 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
7410-7483 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
9050-9350 kHz	MO	48K0J1D	50 W (ERP)	0.005 %

Frequency Information

MOBILE: Within 50 KM radius of St Louis MO, within 50 km, centered around NL 38-37-38; WL 90-11-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9050-9350 kHz	MO	48K0D1D	50 W (ERP)	0.005 %
11550-12090 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
13850-13990 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
14360-14550 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
15760-15860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
18178-18610 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
21460-21860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
23460-24460 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

Frequency Information

MOBILE: Within 50 KM radius of Ashburn VA, within 50 km, centered around NL 39-02-37; WL 77-29-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2398-2485 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
7410-7483 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
9050-9350 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
11550-12090 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
13850-13990 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
14360-14550 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
15760-15860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
18178-18610 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

Frequency Information

MOBILE: Within 50 KM radius of Ashburn VA, within 50 km, centered around NL 39-02-37; WL 77-29-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
21460-21860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
23460-24460 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

MOBILE: Within 160 KM radius of Marion IA base station, within 160 km, centered around NL 42-01-10; WL 91-36-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2398-2485 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
7410-7483 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
9050-9350 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
11550-12090 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
13850-13990 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

Frequency Information

MOBILE: Within 160 KM radius of Marion IA base station, within 160 km, centered around NL 42-01-10; WL 91-36-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14360-14550 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
15760-15860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
18178-18610 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
21460-21860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
23460-24460 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

MOBILE: Within 50 KM radius of Fort Lauderdale FL, within 50 km, centered around NL 26-07-20; WL 80-08-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2398-2485 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
7410-7483 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

Frequency Information

MOBILE: Within 50 KM radius of Fort Lauderdale FL, within 50 km, centered around NL 26-07-20; WL 80-08-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9050-9350 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
11550-12090 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
13850-13990 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
14360-14550 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
15760-15860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
18178-18610 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
21460-21860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
23460-24460 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

Frequency Information

MOBILE: Within 50 KM radius of Stratford NJ, within 50 km, centered around NL 39-49-36; WL 75-00-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2398-2485 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
7410-7483 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
9050-9350 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
11550-12090 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
13850-13990 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
14360-14550 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
15760-15860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
18178-18610 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

Frequency Information

MOBILE: Within 50 KM radius of Stratford NJ, within 50 km, centered around NL 39-49-36; WL 75-00-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
21460-21860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
23460-24460 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

MOBILE: Within 50 KM radius of Spencer SD, within 50 km, centered around NL 43-46-38; WL 97-34-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2398-2485 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
7410-7483 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
9050-9350 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
11550-12090 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
13850-13990 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

Frequency Information

MOBILE: Within 50 KM radius of Spencer SD, within 50 km, centered around NL 43-46-38; WL 97-34-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14360-14550 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
15760-15860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
18178-18610 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
21460-21860 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %
23460-24460 kHz	MO	48K0J1D 48K0D1D	50 W (ERP)	0.005 %

Special Conditions:

- (1) Applicant should be aware that the bands 2398-2485 kHz, 4636-4950 kHz, 5760-5960 kHz, 7410-7483 kHz, 9050-9350 kHz, 10.6-10.8 MHz, 11.55-12.09 MHz, 13.85-13.99 MHz, 14.36-14.55 MHz, 15.76-15.86 MHz, 18.178-18.610 MHz, 21.46-21.86 MHz, and 23.46-24.46 MHz are allocated for use by federal services. Non-federal use is on a case-by-case basis. Applicant should have no expectations of automatic approval in these bands in future submissions.