

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

EXPERIMENTAL

(Nature of Service)

WG2XFE

(Call Sign)

XD FX MO

(Class of Station)

0175-EX-ML-2012

(File Number)

NAME Medtronic Incorporated

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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Scottsdale Arizona- Scottsdale Healthcare Bariatric Center- Units are patient used, within 100 km, centered around NL 33-58-24; WL 111-53-53
- (2) MOBILE: Units are mobile due to implanted device and associated support accessories, within 100 km, centered around NL 36-08-30; WL 86-48-05
- (3) MOBILE: Mobile devcies implanted in patients with accessory equipment, within 100 km, centered around NL 32-19-44; WL 90-10-18
- (4) Louisville, KY - NL 38-14-54; WL 85-44-48; MOBILE: Operation centered on University of Louisville, Louisville, KY, within 100 km, centered around NL 38-14-54; WL 85-44-48

Frequency Information

MOBILE: Scottsdale Arizona- Scottsdale Healthcare Bariatric Center- Units are patient used, within 100 km, centered around NL 33-58-24; WL 111-53-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-28 kHz	MO	2K00A1D	4 nW (ERP)	
410-490 kHz	MO	13K0A1D	51.4 nW (ERP)	

This authorization effective December 04, 2012 and
will expire 3:00 A.M. EST July 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Units are mobile due to implanted device and associated support accessories, within 100 km, centered around NL 36-08-30; WL 86-48-05

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10-28 kHz	MO	2K00A1D	4 nW (ERP)	
410-490 kHz	MO	13K0A1D	51.4 nW (ERP)	

MOBILE: Mobile devcies implanted in patients with accessory equipment, within 100 km, centered around NL 32-19-44; WL 90-10-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-28 kHz	MO	2K00A1D	4 nW (ERP)	
410-490 kHz	MO	13K0A1D	51.4 nW (ERP)	

Louisville, KY - NL 38-14-54; WL 85-44-48; MOBILE: Operation centered on University of Louisville, Louisville, KY, within 100

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-28 kHz	MO	2K00A1D	4 nW (ERP)	
410-490 kHz	MO	13K0A1D	51.4 nW (ERP)	

Special Conditions:

- (1) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."

Special Conditions:

- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) Operating powers are limited to the maximum permitted under Part 15 of the FCC rules.
- (6) The experimental devices shall be retrieved by Medtronic Incorporated from the participants upon completion of this experiment