

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WE2XDE

(Call Sign)

0092-EX-RR-2009

(File Number)

NAME Neptune Technology Group

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(g, i) of the Commission's Rules

Station Locations

- (1) MOBILE: Tallassee (ELMORE), AL, at temporary fixed locations, within 16.1 km, centered around NL 32-32-08; WL 85-53-37
- (2) MOBILE: Tallassee (ELMORE), AL, at temporary fixed locations, within 16.1 km, centered around NL 32-32-49; WL 85-54-59
- (3) MOBILE: Tallassee (ELMORE), AL, at temporary fixed locations, within 16.1 km, centered around NL 32-34-24; WL 85-23-44
- (4) MOBILE: Opelika, (LEE), AL, at temporary fixed locations, within 16.1 km, centered around NL 32-47-27; WL 85-23-44

Frequency Information

MOBILE: Tallassee (ELMORE), AL, at temporary fixed locations, within 16.1 km, centered around NL 32-32-08; WL 85-53-37

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 451.125 MHz | FX            | 11K0F2D             | 10 W (ERP)       | 0.001 %                   |
| 456.125 MHz | FX            | 11K0F2D             | 1 W (ERP)        | 0.001 %                   |

This authorization effective May 01, 2009 and  
will expire 3:00 A.M. EST May 01, 2010

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Tallassee (ELMORE), AL, at temporary fixed locations, within 16.1 km, centered around NL 32-32-49; WL 85-54-59

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 451.125 MHz | FX            | 11K0F2D             | 10 W (ERP)       | 0.001 %                   |
| 456.125 MHz | FX            | 11K0F2D             | 1 W (ERP)        | 0.001 %                   |

MOBILE: Tallassee (ELMORE), AL, at temporary fixed locations, within 16.1 km, centered around NL 32-34-24; WL 85-23-44

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 451.125 MHz | FX            | 11K0F2D             | 10 W (ERP)       | 0.001 %                   |
| 456.125 MHz | FX            | 11K0F2D             | 1 W (ERP)        | 0.001 %                   |

MOBILE: Opelika, (LEE), AL, at temporary fixed locations, within 16.1 km, centered around NL 32-47-27; WL 85-23-44

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 451.125 MHz | FX            | 11K0F2D             | 10 W (ERP)       | 0.001 %                   |
| 456.125 MHz | FX            | 11K0F2D             | 1 W (ERP)        | 0.001 %                   |

## Special Conditions:

- (1) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.

**Special Conditions:**

- (2) 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."
- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, [executivedir@sbe.org](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) This license authorizes the use of no more than 500 units and three base stations at Tallassee, AL at any time.
- (6) This license authorizes the use of no more than 500 units and two base stations at Opelika, AL at any time.
- (7) Upon completion of this experiment, the units will be retrieved or deactivated by removing the RF module completely or physically opening the meter and severing the power lead to the RF board.
- (8) These frequencies are for experimental purposes only and are not available for permanent use.