

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WH2XZH

(Call Sign)

0537-EX-PL-2015

(File Number)

NAME Blackrock Microsystems, 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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Boston, MA, within 5 km, centered around NL 42-21-46; WL 71-04-07
- (2) MOBILE: Cleveland, OH, within 5 km, centered around NL 41-30-15; WL 81-36-30
- (3) MOBILE: Palo Alto, CA, within 5 km, centered around NL 37-25-48; WL 122-10-12

Frequency Information

MOBILE: Boston, MA, within 5 km, centered around NL 42-21-46; WL 71-04-07

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 3.3-3.8 GHz | MO            | 100MF1D             | 1 mW (ERP)       | 0.001 %                   |

MOBILE: Cleveland, OH, within 5 km, centered around NL 41-30-15; WL 81-36-30

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 3.3-3.8 GHz | MO            | 100MF1D             | 1 mW (ERP)       | 0.001 %                   |

This authorization effective October 07, 2015 and  
will expire 3:00 A.M. EST October 01, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Palo Alto, CA, within 5 km, centered around NL 37-25-48; WL 122-10-12

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 3.3-3.8 GHz | MO            | 100MF1D             | 1 mW (ERP)       | 0.001 %                   |

## Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Consult the ULS database to ensure that the proposed tests will not cause adverse effect to any existing registered stations in the 3650-3700 MHz band and notify registered users in the immediate geographic area prior to operating in the 3650 - 3700 MHz band.
- (4) Operation is subject to coordinate with the affected Fixed Microwave licensees in the immediate vicinity before operating in 3700-3800 MHz band.