

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

EXPERIMENTAL

(Nature of Service)

XC      FX

(Class of Station)

WH2XHS

(Call Sign)

0338-EX-PL-2014

(File Number)

NAME Applied Communication Sciences

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(b) of the Commission's Rules

Station Locations

- (1) Red Bank (MONMOUTH), NJ - NL 40-19-58; WL 74-05-50
- (2) Oceanport (MONMOUTH), NJ - NL 40-18-57; WL 74-02-36
- (3) Flemington (HUNTERDON), NJ - NL 40-32-12; WL 74-52-49

Frequency Information

Red Bank (MONMOUTH), NJ - NL 40-19-58; WL 74-05-50

| Frequency   | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-------------------------------|------------------|---------------------------|
| 71.4-73 GHz | FX            | 0H00N0N<br>100HA1A<br>1G52D1D | 2.4 W (ERP)      | 1.0E-6 %                  |

Oceanport (MONMOUTH), NJ - NL 40-18-57; WL 74-02-36

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 71.4-73 GHz | FX            | 0H00N0N<br>100HA1A  | 19 W (ERP)       | 1.0E-6 %                  |

This authorization effective July 17, 2014 and  
will expire 3:00 A.M. EST February 01, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Oceanport (MONMOUTH), NJ - NL 40-18-57; WL 74-02-36

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 71.4-73 GHz | FX            | 1G52D1D             | 19 W (ERP)       | 1.0E-6 %                  |

Flemington (HUNTERDON), NJ - NL 40-32-12; WL 74-52-49

| Frequency   | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-------------------------------|------------------|---------------------------|
| 71.4-73 GHz | FX            | 0H00N0N<br>100HA1A<br>1G52D1D | 1.9 kW (ERP)     | 1.0E-6 %                  |