

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

EXPERIMENTAL

(Nature of Service)

XT      MO

(Class of Station)

WE2XTB

(Call Sign)

0178-EX-RR-2014

(File Number)

NAME BAE Systems Technical Services, Inc.

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) MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 0.8 km, centered around NL 30-24-53; WL 86-39-58
- (2) MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 1.6 km, centered around NL 30-24-53; WL 86-39-58

Frequency Information

MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 0.8 km, centered around NL 30-24-53; WL 86-39-58

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 10-10.43 GHz | MO            | NON                 | 16 kW (ERP)      |                           |
| 10-10.43 GHz | MO            | NON                 | 253 kW (ERP)     |                           |
| 10-10.43 GHz | MO            | NON                 | 4029 kW (ERP)    |                           |

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

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 0.8 km, centered around NL 30-24-53; WL 86-39-58

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 10-10.43 GHz    | MO            | 430MF1N             | 16 kW (ERP)      |                           |
| 10-10.43 GHz    | MO            | 430MF1N             | 253 kW (ERP)     |                           |
| 10-10.43 GHz    | MO            | 430MF1N             | 4029 kW (ERP)    |                           |
| 10.43-10.44 GHz | MO            | N0N                 | 16 kW (ERP)      |                           |
| 10.43-10.44 GHz | MO            | N0N                 | 253 kW (ERP)     |                           |
| 10.43-10.44 GHz | MO            | N0N                 | 4029 kW (ERP)    |                           |
| 10.43-10.44 GHz | MO            | 10M0F1N             | 16 kW (ERP)      |                           |
| 10.43-10.44 GHz | MO            | 10M0F1N             | 253 kW (ERP)     |                           |
| 10.43-10.44 GHz | MO            | 10M0F1N             | 4029 kW (ERP)    |                           |
| 10.44-10.5 GHz  | MO            | N0N                 | 16 kW (ERP)      |                           |

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| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 10.44-10.5 GHz | MO            | N0N                 | 253 kW (ERP)     |                           |
| 10.44-10.5 GHz | MO            | N0N                 | 4029 kW (ERP)    |                           |
| 10.44-10.5 GHz | MO            | 60M0F1N             | 16 kW (ERP)      |                           |
| 10.44-10.5 GHz | MO            | 60M0F1N             | 253 kW (ERP)     |                           |
| 10.44-10.5 GHz | MO            | 60M0F1N             | 4029 kW (ERP)    |                           |

MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 1.6 km, centered around NL 30-24-53; WL 86-39-58

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 10-10.43 GHz | MO            | N0N                 | 16 kW (ERP)      |                           |
| 10-10.43 GHz | MO            | N0N                 | 253 kW (ERP)     |                           |
| 10-10.43 GHz | MO            | N0N                 | 4029 kW (ERP)    |                           |
| 10-10.43 GHz | MO            | 430MF1N             | 16 kW (ERP)      |                           |

## Frequency Information

MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 1.6 km, centered around NL 30-24-53; WL 86-39-58

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 10-10.43 GHz    | MO            | 430MF1N             | 253 kW (ERP)     |                           |
| 10-10.43 GHz    | MO            | 430MF1N             | 4029 kW (ERP)    |                           |
| 10.215 GHz      | MO            | N0N<br>430MF1N      | 4029 kW (ERP)    |                           |
| 10.43-10.44 GHz | MO            | N0N                 | 16 kW (ERP)      |                           |
| 10.43-10.44 GHz | MO            | N0N                 | 253 kW (ERP)     |                           |
| 10.43-10.44 GHz | MO            | N0N                 | 4029 kW (ERP)    |                           |
| 10.43-10.44 GHz | MO            | 10M0F1N             | 16 kW (ERP)      |                           |
| 10.43-10.44 GHz | MO            | 10M0F1N             | 253 kW (ERP)     |                           |
| 10.43-10.44 GHz | MO            | 10M0F1N             | 4029 kW (ERP)    |                           |
| 10.435 GHz      | MO            | N0N<br>10M0F1N      | 4029 kW (ERP)    |                           |

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| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 10.44-10.5 GHz | MO            | N0N                 | 16 kW (ERP)      |                           |
| 10.44-10.5 GHz | MO            | N0N                 | 253 kW (ERP)     |                           |
| 10.44-10.5 GHz | MO            | N0N                 | 4029 kW (ERP)    |                           |
| 10.44-10.5 GHz | MO            | 60M0F1N             | 16 kW (ERP)      |                           |
| 10.44-10.5 GHz | MO            | 60M0F1N             | 253 kW (ERP)     |                           |
| 10.44-10.5 GHz | MO            | 60M0F1N             | 4029 kW (ERP)    |                           |
| 10.47 GHz      | MO            | N0N<br>60M0F1N      | 4029 kW (ERP)    |                           |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Michael Kurecki (850) 226-3089.
- (5) For operations to support IR&D activity, licensee must follow the 47 Code of Federal Regulations (CFR) 2.106 Footnote US58.