

MFRFS STA For Demonstration Request

1 Purpose of Operation

Raytheon Network Centric Systems (NCS) to FCS Multi-Function RF System (Radar). This application is to demonstrate this system as a part of Ground Vehicle System Engineering and Technology Symposium (GVSETS).

- File Number: 0362-EX-ST-2009
- Class of Station: FX
- Station Locations: FIXED
- Effective: 08/14/2009
- Expiration: 08/21/2011

By its application MFRFS will conduct this demonstration Troy Parks and recreation, Troy Michigan.

Note: The MFRFS is designed to operate over specific frequency ranges within the range of 34.00 to 38.00 GHz. Specific operating modes are confined to the specific bands as follows:

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| - 34.00 to 35.00 GHz
(APS), Surveillance (Surv) | Radar: Autonomous & Cued Active Protection |
| - 35.00 to 36.50 GHz
AUTONOMOUS APS | Extended Radar Band (ERB): APS, Surv, |
| - 36.71 to 36.99 GHz | Combat ID (CID) |
| - 36.00 to 38.00 GHz | High Band Communications Mode (Comm) |

2 STA Explanation

As detailed in paragraph 1 above, Raytheon seeks this STA in order to allow testing and technical demonstrations of the FCS Multi-Function RF System (Radar). to support this program. The current contract for this program is: W56HZV-05-C-0724 and JF12 Pending Stage 3.

3 Stop Buzzer

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