

**SUBJECT: Request for FCC Special Temporary Authority to Operate
Vortex Systems Model GS-20 (Ground Scout) Intrusion
Sensor - FCC File Number 0759-EX-ST-2011**

Purpose of Operation: Raytheon Network Centric Systems (NCS) (Applicant) is developing and testing mobile surveillance systems based on commercial off-the-shelf radars and sensors that include the Model GS-20 Ground Scout Intrusion Sensor, distributed by Vortex Systems. These radars/sensors are deployed along with electro-optical/infrared cameras to detect intruders along international borders and in other specified areas where it is deemed intrusion detection would be in the public interest.

Explanation: This series of tests will be conducted in connection with New Mexico State University, at the Chihuahua Desert Range Research Center, New Mexico. The objective of this operation is to integrate ground sensors, surveillance radars, cameras and radios into various configurations (high, medium and basic capability) and validate each design/system for use by customers. Information is routed to the command post over microwave and/or land mobile radio.

The GS-20 Sensor operates in the 150.8-164 MHz VHF band, and is presently set to 154.6875 MHz. Applicant respectfully requests that this preset frequency be granted for this operation. Applicant understands that use of this frequency would be on a secondary basis to others operating on same or adjacent frequencies

The point of contact for interference matters is Mark Volpe at (727) 302-2772.