

Numerica Corporation

Narrative Statement

Application for STA for Experimental Authority to Test Radar in the 15.7 – 17.2 GHz Band

Numerica Corporation (Numerica) seeks an STA for fifteen (15) days for experimental authorization to test and demonstrate short-range air defense (SHORAD) radar pursuant to internal testing with an industry partner. The radar is designed to detect unmanned aerial system (UAS) threats.

Numerica plans to commence testing on November 13, 2023.

Numerica already holds experimental authority (Call Sign WN2XWH; File No. 1110-EX-CN-2023) to test and demonstrate the same equipment from three fixed sites in Colorado.

Numerica now seeks an STA to operate for fifteen days from one fixed site in Texas.

Stop Buzzer Point of Contact: Evan Everett; 713-855-5121; evan.everett@numerica.us

Numerica understands that the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Numerica is 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.

Numerica is aware that our system's development within 15.7-16.2 GHz will be severely impaired due to FAA usage nationwide, which has priority and was stated in prior conditional concurrences. The transmissions will only occur in the direction away from the nearest airport, Mile High Community Airport, which is approximately 21.5 km away from the test site.

Location

201 Four Section Rd, Sierra Blanca, Texas, 79851

Hudspeth County, Texas

NL 31-20-6.364; WL 105-30-17.978