

Experiment Description for New Updates to WH2XLJ

The experimentation is focused on field testing of a broad range of signal emissions including those for DF/COMMINT systems, tactical radios, networked radio communication systems, radio navigation systems, WIMAX, and radar, with and without jamming. Results from the experimentation will be used to enhance effectiveness of future military radio frequency systems.

Recent additional frequency band requests were granted to execute testing of newly developed RF jamming capabilities against specific communication devices that included LTE Band #20 equipment and the Enhanced Position Location Reporting System (EPLRS).

The new frequency band update is being requested to extend the operating frequency options of experimental SDR equipment that is configured as target communication devices for the testing of newly developed RF jamming capabilities. The current frequency range for the latest set of testing of this equipment is 2120-2200 MHz. This request will extend the useful frequency range to include 2200-2300 MHz.