

Experimentation Description

The purpose of the proposed experiments is to perform over-the-air testing of RF processing capabilities for spectrum dependent devices and systems that are being developed at LM-ATL. The capabilities that are being addressed include tactical radios, communication networks, jamming, radio navigation, direction finding and communication intelligence systems, and radar. For this modification, call sign WH2XMX, frequencies 420-450 MHz were added.

Requested Bands and Frequencies

The frequencies that LM-ATL is requesting to use in future experiments are listed in the following table. The first column lists the different frequency bands that experiments will be operating in. The second column lists the width of the frequency channels within the band, and the emission designators, with related center frequencies noted in the third column. The fourth column provides the maximum operating power (equivalent to the effective isotropic radiating power (EIRP)) that will be with each channel. The fourth column also identifies the type of antenna proposed for testing (omnidirectional and/or directional). The fifth column highlights the type of testing that will take place in each band.