

Description of Research Project

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The research project will test the EMI attenuation abilities of various materials in the range of 100 mHz to 1.2 GHz. The goal is to establish the ability of these materials to be used for field-expedient protection from an EMP or other types of EMI.

The project will use a signal generator connected to antennas appropriate for the selected test frequencies. The barrier EMI materials will be placed between the transmit antenna and a measurement antenna or device. We will use techniques similar to those in US military specification MIL-PRF-81705E 4.6.9, with modifications due to different frequencies being tested.

For any questions, please contact Scott Hall at 319-432-7134