

# Aircraft Shielding Effectiveness Test

08/02/2017  
Submitted by

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## STA Justification

This Experimental License is required to support shielding effectiveness testing, which is required to ensure that the component under test meets CFR 14 Part 25.1317, FAA regulatory compliance standards, and requirements IAW FAA AC 20-158 and 20-158A.

## OBJECTIVE

The primary objective of the test is to measure aircraft shielding effectiveness over the frequency range defined for the HIRF environment in effort to ensure that equipment, systems, and their intended installations, were designed and qualified to the appropriate test levels with respect to the assumed attenuation provided by the airframe. The test will be conducted at the Boeing Facility located Victorville, CA, NL 34-35-16; WL 117-22-31

## TEST OVERVIEW

A quick look at selected test specifics is provided here:

|                                               |                 |
|-----------------------------------------------|-----------------|
| <b><i>Frequency range:</i></b>                | 30 MHz – 18 GHz |
| <b><i>Max. Externally Radiated Power:</i></b> | 1 Watt          |
| <b><i>Emission:</i></b>                       | 1K00N0N         |

## “Stop Buzzer” Points of Contacts:

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