

DOD Coordination

The below email is our coordination with the DOD for consideration of our HIRF test requirement. Per CFR 14, Part 25.1317, evaluation of the aircraft performance in the HIRF environment is required for aircraft certification.

Sincerely,
Ron Center
The Boeing Company
(206) 544-6044

From: Whittington, William R Civ USAF AFFMA/DOO
[William.Whittington@pentagon.af.mil]
Sent: Monday, November 02, 2009 2:48 PM
To: Douglass, Bob
Cc: Center, Ronald E; Adrienne Linder; Clark, Rita K Ms CIV USA CIO/G-6;
Dowdell, Aaron D Mr CIV USA CIO/G-6; Dru Pontius; ElviraPearce; Ford,
Melvin R Mr CIV USA CIO/G-6; Jansson, Neil R Civ USAF AFFMA; Lando,
Robert Civ AFFMA/DOO; Poppenhager, Lori A Ms CIV USA CIO/G-6; Sulick,
Joe E. Civ AFFMA/DO; Swan, Carol B. Civ AFFMA/XP
Subject: RE: MAG Coordination

Bob--to my knowledge we have not seen been provided this requirement by FCC. We have supported requests for this type of testing before and should be able to support Boeing test needs.

Please submit an application to the FCC for the bands you must access for HIRF testing. Ensure that one of the requests is specifically for the 225-328.8 and 335.4-399.9 MHz bands. Include in your exhibits the requirement levied by FAA to perform this test function as a part of acceptance testing on new/modified commercial platforms. FCC will send the request and exhibit to us; we will do an analysis of the EME in the area requested and return a coordination package to the FCC. They will then issue Boeing an experimental license to perform the tests.

Advise me if you have any other questions/concerns or issues filing the request with FCC.

Randy

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-----Original Message-----

From: Douglass, Bob [mailto:bob.douglass@boeing.com]

Sent: Thursday, October 29, 2009 12:20 PM

To: Whittington, William R Civ USAF AFFMA/DOO

Cc: Center, Ronald E

Subject: MAG Coordination

Putting away the problems on GPS and turning to MAG coordination. The FCC Experimental Branch has advised us that some of our applications are going to require MAG coordination and you're the focal. We have a problem however. The FCC processor wants a contract number and this isn't a Government request. We are doing High Intensity radiated Field (HIRF) Testing, something we do for all of our new or modified commercial platforms. This is an FAA requirement we do step swept testing from 1 MHz to 18 or 20 GHz against the platform to ensure the systems aboard aren't affected by an RF situation. Yes, we can "notch out" spectrum, but engineering does not want to notch out all of 225-400 MHz. We are already notching out a significant number of Gov't/DoD channels. We have no intention to purposely use any government spectrum in this test for any other reason then to gather data on platform RF susceptibility so it can be analyzed.

Bob Douglass

Manager, US Spectrum Management

US Spectrum Management& Electromagnetics, M/C 2T-22

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