

From: Hongye.Pan@faa.gov
Sent: Thursday, February 01, 2007 1:00 PM
To: Center, Ronald E
Cc: Bob.Kitson@faa.gov; Fred.A.Neudecker@faa.gov
Subject: Re: Coordination note for DC to 100MHZ test by Boeing in Seattle

Attachments: Test Diagram.pdf

Ron,

We, FAA Frequency Management have no objection regarding the Boeing's Sign WC9XSA Lightning Test. We were aware of the similar test conducted last year and did not receive any RFI report caused by the test. Thanks for coordination.

Regards,

Hongye Pan

Planning Engineer

Planning Team, Western Service Center(AJ02-W3)

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"Center, Ronald E" <Ronald.E.Center@ boeing.com>	Hongye Pan/ANM/FAA@FAA	To
02/01/2007 10:41 AM		cc
	Coordination note for DC to 100MHZ test by Boeing in Seattle	Subject

Hongye,

We currently have an STA, Call Sign WC9XSA, to conduct aircraft lightning

test required for airframe certification. This license was previously coordinated with the FAA, and we are now in the renewal process. We are asking for your concurrence with the proposed test plan.

We need to use frequencies ranging from DC to 100 MHz. We have two Seattle area test locations, both are inside metal aircraft Hangars with all doors closed. The 3-390 Hangar at Boeing Field, and the Hangars at our Everett, WA aircraft production facility. Specific location and emission data are listed below. These tests will be conducted periodically on different airframes, in support of our aircraft production and certification program.

Test type: Lightning Test

System: Various Airframes

Location: 3-390 Building, Seattle, WA 47-32-17N 122-18-52W
Aircraft Hangars, Boeing Production Facility, Everett, WA 47-55-32N
122-16-25W

Frequency Band: DC to 100 MHz

EIRP: 50 Watts peak into non-intentionally radiating transmission line (See attached diagram)

Boeing has conducted this test in the past with no reported problems or incidents. As the aircraft body is an unintentional radiator, and represents an extremely inefficient RF emitter, Boeing believes that this test will result in negligible emissions, and that the test will not cause any interference to other operations in the Seattle area.

Thanks,

Ron Center
The Boeing Company
FCC Licensing Specialist
Seattle, WA
(206) 544-6583

(See attached file: Test Diagram.pdf)