

From: James Olson

To: John Kennedy

Date: February 04, 2004

Subject:

FCC File # 0065-EX-PL-2002

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Message:

Mr. Kennedy,

Boeing is replying to your email dated January 8, 2004.

Question 1.

Since it has been reported that there is no shielding at the site, what will be done to ensure that the operations do not interfere with existing operations?

Response 1.

The antenna used is a horn antenna with a very narrow beam width which would limit interference to other users. In addition the system steps through only the frequencies required by the customer and stays on each frequency for only a nanosecond. Power will also be limited to the minimum required to perform the test. Boeing will also provide a stop operations phone number to our RF neighbors in case of any interference that we might cause anyone. These phone numbers are located in the control room at the antenna test range. (480) 891-1583 or (480) 891-1574.

Question 2.

Also, since the license would be used to test development of equipment on an F-18 under government contract, why are so many frequency bands being requested that are allocated exclusively for non-government use? Please provide a showing describing how it will be ensured that the intended operations will not interfere with existing operations.

Response 2.

The reasons that frequency bands are being used that are allocated for non-government use is:

- 1) Many times models used for testing have to be scale models as the full scale model would be too large and heavy for the positioner, therefore frequencies have to also be scaled, necessitating use in other bands.
- 2) Receive only equipment is also used on military aircraft that utilize non-government frequencies and these antennas must also be tested to satisfy customer requirements, therefore we must transmit on those frequencies to test these antennas.

Question 3.

Furthermore, is it possible to narrow the scope of the request?

Response 3.

Finally it is felt that the scope of the request cannot be narrowed because of customer requirements and due to the two factors mentioned above.

If you need more information, please let us know.

Thank you