

**The Boeing Company
Cabin Systems
RF Measurements
1 Primary Location
6 Back up Locations**

7/28/05

Submitted by:

Chuck Zappala
FCC Licensing Specialist
The Boeing Company
Frequency Management Services
South Park Complex Bldg 15-01.1
Seattle, WA
P.O. Box 3707 MC: 2T-22
Seattle, WA 98124-2207
206-544-6580 Office
206-544-6592 Fax
866-248-1493 Toll Free

Critical Requirement for STA: Timely action required.

Refer to the Confidentiality Items Document for non-disclosed information.

Public Information Follows:

Frequencies, Emission, RF Power

2.4 to 2.5 GHz	MO	NON	100 mW (ERP)
4.9 to 6.0 GHz	MO	NON	100 mW (ERP)

Mobile Operation Note

Refer to the Confidentiality Items Document

Period of Operation

Refer to the Confidentiality Items Document

RF Equipment

RF Source – PNA Network Analyzer - Agilent E8364B – Not Experimental – Qty 1

RF Source – Vector Network Analyzer HP 8720D – Not Experimental – Qty 1

RF Amplifier – Agilent 87415A – Not Experimental – Qty 1

Antennas

Boeing manufactured simple monopoles for each band will be used for the tests.

The antennas are manipulated in various angles while the measurements are made.

Period of Research and Development

Boeing requests that the ST be authorized from August 8, 2005 to January 8, 2006.

Boeing expects to renew the ST from January 8, 2005 to June 8, 2005.

Some of the contacts below may change. If the Commission requires updates, Boeing will maintain a current list and make it available.

Locations:

The elevation listed below is for the nearest township, not the actual airfield, so it may be off by a few feet.

The primary location for all testing is 2) Marana Air Park. The remaining sites are back-ups.

1) Phoenix-Litchfield Airport, Goodyear, (Maricopa County), AZ

10 KMRA of 33° 25' 48"N, 112° 21' 49"W (WGS84/NAD83) Elevation = 963 ft

Stop Buzzer Contact is Boeing - Don Schultz 425-239-9674 Mobile

Link to location:

<http://www.topozone.com/map.asp?z=12&n=3699805.00006684&e=373233.999998748&datum=nad83&u=7>

2) Marana Air Park, Marana, (Pinal County), AZ

10 KMRA of 32° 30' 42"N, 111° 19' 11"W (WGS84/NAD83) Elevation = 1992 ft

Stop Buzzer Contact is Boeing - Don Schultz 425-239-9674 Mobile

Link to location:

<http://www.topozone.com/map.asp?z=12&n=3597207&e=469964&s=100&size=l&u=6&datum=nad83&layer=DRG25>

3) Mojave Airport, Mojave, (Kern County), CA

10 KMRA of 35° 03' 24"N, 118° 09' 26"W (WGS84/NAD83) Elevation = 2757 ft

Stop Buzzer Contact is Boeing - Don Schultz 425-239-9674 Mobile

Link to location:

<http://www.topozone.com/map.asp?z=11&n=3879959&e=394463&s=100&size=m&u=6&datum=nad83&layer=DRG25>

4) George Air Force Base, Victorville, (San Bernardino County), CA

10 KMRA of 34° 35' 16"N, 117° 22' 31"W (WGS84/NAD83) Elevation = 2715 ft

Stop Buzzer Contact is Boeing - Don Schultz 425-239-9674 Mobile

Link to location:

<http://www.topozone.com/map.asp?z=11&n=3827405&e=465576&s=100&size=m&u=6&datum=nad83&layer=DRG25>

5) Roswell Industrial Air Center Airport, Roswell, (Chaves County), NM

10 KMRA of 33° 24' 24"N, 104° 32' 36"W (WGS84/NAD83) Elevation = 3573 ft

Stop Buzzer Contact is Boeing - Don Schultz 425-239-9674 Mobile

Link to location:

<http://www.topozone.com/map.asp?z=13&n=3696469.0000798&e=542467&datum=nad83&u=6>

6) Boeing Field, Seattle, (King County), WA

10 KMRA of 47° 32' 20"N, 122° 18' 46"W (WGS84/NAD83) Elevation=15 ft

Stop Buzzer Contact is Boeing - Don Schultz 425-239-9674 Mobile

Link to location

<http://www.topozone.com/map.asp?z=10&n=5265278.00017739%20&e=551707.00000014&u=6&datum=nad83>

7) Paine Field, Everett, (Snohomish County), WA

10 KMRA of 47° 54' 43"N, 122° 16' 20"W (WGS84/NAD83) Elevation=583 ft

Stop Buzzer Contact is Boeing - Don Schultz 425-239-9674 Mobile

Link to location

<http://www.topozone.com/map.asp?lat=47.91194444444444&lon=-122.27222222222222&datum=nad83&u=6>