

Millennium Space Systems

2265 E El Segundo Blvd

El Segundo, CA 90245

The Boeing Company

Daniel Wilson

Daniel.p.wilson2@boeing.com

(714) 330-7857

Purpose

Millennium Space Systems would like the ability to perform functional testing of receive GPS systems inside a building in order to reduce delivery delays caused by the unavailability of GPS signals inside the facilities and to simulate mission scenarios including but not limited to loss of lock due to low signal strength inside the building. Testing involves the use of a GPS Re-Radiator due to its location within a building. This re-radiator will only be used indoors, under the control of the user only. Additionally, signs will be located on the door indicating its use.

Link budget attached to the application

FAA coordination filed in conjunction with application

Location

Millennium Space Systems

2265 East El Segundo Blvd

El Segundo CA 90245

33.916712 lat -118.383949 long

Transmitting Information

Frequency: 1575.42MHz

Bandwidth: 24MHz

Emission Designator: 24M0G1D

Output Power: 0.39 (pW)

Transmitting Equipment

Manufacturer: Panasonic

Model: VIC100 (L1)

Stop Buzzer(s)

Tim Barrett

(310) 739-7601

John Wirth

(424) 367-9532