

SATMEX 6 STA Description Public Exhibit

The Boeing Company

Submitted: 8/29/2014
By Allen Lindsay
Boeing Frequency Manager
The Boeing Company
Frequency Management Services MC: 2T-22
P.O. Box 3707
Seattle, WA 98124-2207
206-544-6053

Why STA is Necessary:

Boeing requires special temporary authority (“STA”) in order to begin using the E113WA (formerly SATMEX 6) satellite as an additional Point of Communication for the Boeing Broadband Satellite Network (“BBSN”). This STA supports interim operations while Boeing secures a license for BBSN from the FCC’s International Bureau under the new regulations for Earth Stations Aboard Aircraft (“ESAA”). Boeing intends to file an ESAA application with the IB shortly. The E113WA satellite is included on the FCC’s Permitted Space Station List. *See* Call Sign S2695, File No. SAT-PPL-20060329-00030.

Purpose of Operation:

The purpose of this operation is to provide expanded coverage of our BBSN to support our U.S. Government Customer.

Frequency, Power and Emission Data:

Frequency	Max Power (ERP)	Emission
14000 – 14500 MHz	26 KW	3M40G7D 6M75G7D 11M9G7D 20M0G7D 24M3G7D 29M5G7D 32M4G7D

Antennas in Use:

This operation will employ use of the existing antennas previously described for use with BBSN, and include the Boeing Block 1 Phased Array; Melco NGA; Tecom; and Rantec.

SATMEX 6 STA Description Public Exhibit

Location of Operation:

Mobile: CONUS, Alaska, Hawaii, Territories, and International Airspace.

Stop Buzzer POC:

Ron Guzdar, 206-718-5926