

Technical Description

The Boeing Company

Submitted: 9/5/2019

By Allen Lindsay,

Frequency Manager

Global Spectrum Management MC: 1K-105

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This activity has been previously coordinated with NGUYEN, JIMMY GS-14 USAF AFSPC AFSMO/SMI. jimmy.nguyen@us.af.mil
301-225-3729

JUSTIFICATION:

In support of E4-B contract # Contract # FA8106-16-D-0002 (21Sep19 – 31Mar20)

The Boeing Company is requesting a FCC Experimental License in lieu of FCC Special Temporary Authorization (STA) call sign WN9XNI to continue supporting the E4-B commercial SATCOM service over INMARSAT I5, the following government contract information is provided:

POC: Willie Hughes III

E-4B System Engineering

NIPR willie.hughes.2@us.af.mil

405-736-2116

Contract # FA8106-16-D-0002 (21Sep19 – 31Mar20)

Manufacturer: AN/ASC-24(V)4 - Thinkom Ka2517

Model: AN/ASC-24(V)4 - Thinkom Ka2517

Frequencies: 30-31 GHz

Emissions: 7M60M1D

ERP: 15849W

Emissions: 6M30M1D

ERP: 15849W

I5-F2;F3 -Downlink

Frequencies: 20.2-21.2 GHz

Emissions: 24M5M1D

ERP: 602560W

LOCATIONS

Location: CONUS US & Possessions

Lat/Lon: 0-0-00N 0-0-00W

Station Class MO

Flight level: 0-40,000 ft

POINT OF COMMUNICATION: INMARSAT-5 F2 (55W) and INMARSAT F-3 (180E)

STOP BUZZER POINT OF CONTACT:

Stop Buzzer for Operation: Boeing 24 hour NOC hotline: (855) 556-1001 email:

bcssnoc@boeing.com or Samir Patel cell (310) 227-7178