

Microwave Path Data Sheet

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COMSEARCH

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PCN Date: 11/24/2009

Job Number: 091124COMSDS03

New Path

RCN Number: 09112419

Administrative Information**17-80 BLDG WA****TEST RCV WA**

City/County

Algona/King

Algona/King

Status / License Basis

Engineering Proposal / PRIMARY OPERATION

Engineering Proposal / PRIMARY OPERATION

Call Sign

Experimental License (WD2XNX, 0291-EX-PL-2004, 0275-EX-RR-2009)

Licensee Code

S00114

S00114

Licensee Name

Boeing Company

Boeing Company

Radio Service / Station Class

IN -- International

FXO -- Fixed

Site Information

Latitude (NAD 83)

47 ° 16' 33.0" N

47 ° 16' 28.1" N

Longitude (NAD 83)

122 ° 14' 23.0" W

122 ° 14' 24.0" W

Ground Elevation (m/ft-AMSL)

28.40 / 93.2

28.50 / 93.5

Antenna Structure Registration #

Path Azimuth (°)

187.908

7.907

Path Length (km / miles)

0.153 / 0.095

Transmit Antenna

4BC000

Manufacturer

The Boeing Company

Model

EXPERIMENTAL RF

Gain (dBi) / Beamwidth (°) / Tilt (°)

35.5 / 2.92 / 0.04

Centerline (m / ft - AGL)

9.14 / 30.0

Receive Antenna

4BC000

Manufacturer

The Boeing Company

Model

EXPERIMENTAL RF

Gain (dBi) / Beamwidth (°)

35.5 / 2.92

Centerline (m / ft - AGL)

9.14 / 30.0

Diversity Receive Antenna

Manufacturer

Model

Gain (dBi) / Beamwidth (°)

Centerline (m / ft - AGL)

Radio Information

TEMP20

999999

Manufacturer

ALL MANUFACTURERS

RECEIVE

Model

TEST SIGNAL

ONLY

Model Description

Emission Designator / Modulation NON/CW (Non Modulated Signal)

Loading

null

null

Stability (%)

0.001

0.001

Nominal Coordinated Maximum

Nominal Coordinated Maximum

Power (dBm)

3.4

Received Level (dBm)

-15.1

EIRP (dBm)

37.9

Fixed Loss: Tx / Common (dB)

0.0 / 1.0

0.0 / 1.0

Free Space Loss (dB)

87.5

Transmit Test Frequency Range (MHz) 3540 – 4110 MHz