Microwave Path Data Sheet

COMSEARCH
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PCN Date: 11/24/2009 — New Path
Job Number: 091124COMSDS03 — 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	N0N/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