

Microwave Path Data Sheet

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PCN Date: 07/21/2011

Prev Job Num: 110628COMSFB10

Job Number: 110721COMSFB06

RCN Number: 11072123

Administrative Information**GOLDEN GATE CA****NEW BAY BRDG CA**

City/County

Berkeley/Alameda

Oakland/Alameda

Status / License Basis

Engineering Proposal / PRIMARY OPERATION

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Call Sign

Licensee Code

5165A1

5165A1

Licensee Name

New Cingular Wireless PCS LLC - N C

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Radio Service / Station Class

CF -- Point-to-Point Microwave, Common Carrier

FXO -- Fixed

Site Information

Latitude (NAD 83)

37 °52' 46.7 " N37 °49' 25.1 " N

Longitude (NAD 83)

122 °18' 24.9 " W122 °18' 44.5 " W

Ground Elevation (m/ft-AMSL)

2.74 / 9.02.47 / 8.1

Antenna Structure Registration #

Path Azimuth (°)

184.4104.407

Path Length (km / miles)

6.234 / 3.874**Transmit Antenna**

80061A

80061A

Manufacturer

ANDREW CORPORATION

ANDREW CORPORATION

Model

VHLP4-18A

VHLP4-18A

Gain(dBi) / Beamwidth(°) / Tilt(°)

44.7 / 0.90 / -0.0244.7 / 0.90 / -0.02

Centerline (m / ft - AGL)

17.12 / 56.2

17.00 / 55.8

Receive Antenna

Same As Transmit

Manufacturer

Model

Gain (dBi) / Beamwidth (°)

Centerline (m / ft - AGL)

Diversity Receive Antenna

Manufacturer

Model

Gain (dBi) / Beamwidth (°)

Centerline (m / ft - AGL)

Radio Information

TEMT62

TEMT62

Manufacturer

Alcatel-Lucent USA, Inc.

Alcatel-Lucent USA, Inc.

Model

95MPR18-O128F10-53

95MPR18-O128F10-53

Model Description

9500 MPR Outdoor Fixed Modulation HP

9500 MPR Outdoor Fixed Modulation HP

Emission Designator / Modulation

10M0D7W 128 QAM

10M0D7W 128 QAM

Loading

1 CH DIG 52640.000

1 CH DIG 52640.000

Stability (%)

0.001

0.001

Nominal	Coordinated	Maximum

Nominal	Coordinated	Maximum

Power (dBm)

15.5

15.5

Received Level (dBm)

-41.1

-41.1

EIRP (dBm)

54.1

54.1

Fixed Loss: Tx / Common (dB)

0.0 / 6.1

0.0 / 6.1

Free Space Loss (dB)

133.8**Transmit Frequencies (MHz)** 19415.0000V(4)

17855.0000V(4)