

Microwave Path Data Sheet

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PCN Date: 03/07/2011

Job Number: 110307COMSFB03

New Path

RCN Number: 11030713

Administrative Information**VOLLMER PK CA**City/County /Contra Costa
Status / License Basis Engineering Proposal / PRIMARY OPERATION
Call Sign WLM381
Licensee Code 5165A1
Licensee Name New Cingular Wireless PCS LLC – N C
Radio Service / Station Class CF -- Point-to-Point Microwave, Common Carrier**NEW BAY BRDG CA**City/County Oakland/Alameda
Status / License Basis Engineering Proposal / PRIMARY OPERATION
Call Sign
Licensee Code 5165A1
Licensee Name New Cingular Wireless PCS LLC – N C
Radio Service / Station Class FXO -- Fixed**Site Information**

Latitude (NAD 83)	37 °52' 56.5" N	37 °49' 25.5" N
Longitude (NAD 83)	122 °13' 15.1" W	122 °18' 42.8" W
Ground Elevation (m/ft-AMSL)	552.90 / 1814.0	2.00 / 6.6
Antenna Structure Registration #	1010568	
Path Azimuth (°)	230.949	50.894
Path Length (km / miles)	10.320 / 6.412	

Transmit Antenna80061A
Manufacturer ANDREW CORPORATION
Model VHLP4-18A
Gain(dBi) / Beamwidth(°) / Tilt(°) 44.7 / 0.90 / -3.18
Centerline (m / ft – AGL) 30.48 / 100.080061A
Manufacturer ANDREW CORPORATION
Model VHLP4-18A
Gain(dBi) / Beamwidth(°) / Tilt(°) 44.7 / 0.90 / 3.11
Centerline (m / ft – AGL) 14.63 / 48.0**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
Manufacturer Alcatel-Lucent USA, Inc.
Model 95MPR18-O128F10-53
Model Description 9500 MPR Outdoor Fixed Modulation HP
Emission Designator / Modulation 10M0D7W 128 QAM
Loading 1 CH DIG 52640.000
Stability (%) 0.001

	Nominal	Coordinated	Maximum
Power (dBm)		15.5	
Received Level (dBm)		-42.5	
EIRP (dBm)		57.1	

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Loading 1 CH DIG 52640.000
Stability (%) 0.001

	Nominal	Coordinated	Maximum
Power (dBm)		15.5	
Received Level (dBm)		-39.5	
EIRP (dBm)		54.1	

Fixed Loss: Tx / Common (dB) 0.0 / 3.1
Free Space Loss (dB) 138.2

3.0 / 3.1

Transmit Frequencies (MHz) 17845.0000V(3)

19405.0000V(3)