

Microwave Path Data Sheet

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COMSEARCH

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PCN Date: 08/03/2011

Job Number: 110803COMSFB13

New Path

RCN Number: 11080344

Administrative Information

TREASURE ISL CA
City/County San Francisco/San Francisco
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 CF -- Point-to-Point Microwave, Common Carrier

VOLLMER PK CA

/Contra Costa
Engineering Proposal / PRIMARY OPERATION
WLM381
5165A1
New Cingular Wireless PCS LLC - N C
FXO -- Fixed

Site Information

Latitude (NAD 83)	37 °49' 11.2" N	37 °52' 56.5" N
Longitude (NAD 83)	122 °22' 15.8" W	122 °13' 15.1" W
Ground Elevation (m/ft-AMSL)	4.00 / 13.1	552.90 / 1814.0
Antenna Structure Registration #		1010568
Path Azimuth (°)	62.232	242.324
Path Length (km / miles)		14.933 / 9.279

Transmit Antenna

80063A	AB1200
Manufacturer ANDREW CORPORATION	ANDREW CORPORATION
Model VHLP6-18A	HP8-180A
Gain(dBi) / Beamwidth(°) / Tilt(°) 47.8 / 0.70 / 2.10	50.7 / 0.50 / -2.20
Centerline (m / ft - AGL) 18.29 / 60.0	30.48 / 100.0

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

TEMT63	TEMT63
Manufacturer Alcatel-Lucent USA, Inc.	Alcatel-Lucent USA, Inc.
Model 95MPR18-O32F30-114	95MPR18-O32F30-114
Model Description 9500 MPR Outdoor Fixed Modulation HP	9500 MPR Outdoor Fixed Modulation HP
Emission Designator / Modulation 30M0D7W 32 QAM	30M0D7W 32 QAM
Loading 1 CH DIG 114000.000	1 CH DIG 114000.000
Stability (%) 0.001	0.001
Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm) 17.0	17.0
Received Level (dBm) -42.4	-42.4
EIRP (dBm) 56.6	59.4
Fixed Loss: Tx / Common (dB) 0.0 / 8.2	0.0 / 8.3
Free Space Loss (dB) 141.4	

Transmit Frequencies (MHz) 19495.0000V(7)

17935.0000V(7)