

Microwave Path Data Sheet

Page 1 of 1

COMSEARCH19700 Janelia Farm Boulevard, Ashburn, VA, 20147
(703)726-5824 www.comsearch.com

PCN Date: 08/22/2011

Job Number: 100815COMSFB07

Administrative Information		BERKLEY BOT CA	UC BERKLEY CA
City/County		Oakland/Alameda	Berkeley/Alameda
Status / License Basis		Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign			
Licensee Code		NWCNLA	NWCNLA
Licensee Name		New Cingular Wireless PCS – Los Ang	New Cingular Wireless PCS – Los Ang
Radio Service / Station Class		CF -- Point-to-Point Microwave, Common Carrier	FXO -- Fixed
Site Information			
Latitude (NAD 83)		37 °52' 33.7" N	37 °51' 29.4" N
Longitude (NAD 83)		122 °14' 30.9" W	122 °15' 31.6" W
Ground Elevation (m/ft-AMSL)		275.97 / 905.4	63.99 / 209.9
Antenna Structure Registration #			
Path Azimuth (°)		216.815	36.805
Path Length (km / miles)		2.476 / 1.539	
Transmit Antenna			
Manufacturer		87204A ANDREW CORPORATION	87204A ANDREW CORPORATION
Model		VHLP2-18B	VHLP2-18B
Gain(dBi) / Beamwidth(°) / Tilt(°)		38.9 / 2.10 / -4.48	38.9 / 2.10 / 4.46
Centerline (m / ft – AGL)		10.67 / 35.0	28.96 / 95.0
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			
Manufacturer		TEMT62 Alcatel-Lucent USA, Inc.	TEMT62 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)		-37.2	-37.2
EIRP (dBm)		50.2	53.9
Fixed Loss: Tx / Common (dB)		0.0 / 4.2	0.0 / 0.5
Free Space Loss (dB)			125.8
Transmit Frequencies (MHz)		19405.0000V(3)	17845.0000V(3)