

Microwave Path Data Sheet

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

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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		87204A
Model	ANDREW CORPORATION		ANDREW CORPORATION
Gain(dBi) / Beamwidth(°) / Tilt(°)	VHLP2-18B		VHLP2-18B
Centerline (m / ft – AGL)	38.9 / 2.10 / -4.48		38.9 / 2.10 / 4.46
	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		TEMT62
Model	Alcatel-Lucent USA, Inc.		Alcatel-Lucent USA, Inc.
Model Description	95MPR18-O128F10-53		95MPR18-O128F10-53
Emission Designator / Modulation	9500 MPR Outdoor Fixed Modulation HP		9500 MPR Outdoor Fixed Modulation HP
Loading	10M0D7W 128 QAM		10M0D7W 128 QAM
Stability (%)	1 CH DIG 52640.000		1 CH DIG 52640.000
	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)