

Microwave Path Data Sheet

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Job Number: 100929COMSCT02

Administrative Information		SBL024 CA	SBL020 CA
City/County		/San Luis Obispo	/San Luis Obispo
Status / License Basis		Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign			
Licensee Code		5165A1	5165A1
Licensee Name		New Cingular Wireless PCS LLC – N C	New Cingular Wireless PCS LLC – N C
Radio Service / Station Class		CF -- Point-to-Point Microwave, Common Carrier	FXO -- Fixed
Site Information			
Latitude (NAD 83)		35 °18' 30.3" N	35 °20' 53.3" N
Longitude (NAD 83)		120 °35' 59.1" W	120 °37' 55.8" W
Ground Elevation (m/ft-AMSL)		801.93 / 2631.0	541.63 / 1777.0
Antenna Structure Registration #			
Path Azimuth (°)		326.235	146.216
Path Length (km / miles)		5.302 / 3.294	
Transmit Antenna		87012A	87012A
Manufacturer		ANDREW CORPORATION	ANDREW CORPORATION
Model		VHLP2-18	VHLP2-18
Gain(dBi) / Beamwidth(°) / Tilt(°)		38.7 / 2.10 / -2.85	38.7 / 2.10 / 2.81
Centerline (m / ft – AGL)		4.27 / 14.0	2.44 / 8.0
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		TEMT64	TEMT64
Manufacturer		Alcatel-Lucent USA, Inc.	Alcatel-Lucent USA, Inc.
Model		95MPR18-O128F30-160	95MPR18-O128F30-160
Model Description		9500 MPR Outdoor Fixed Modulation	9500 MPR Outdoor Fixed Modulation
Emission Designator / Modulation		30M0D7W 128 QAM	30M0D7W 128 QAM
Loading		1 CH DIG 160000.000	1 CH DIG 160000.000
Stability (%)		0.001	0.001
		Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm)		17.5	17.5
Received Level (dBm)		-44.4	-44.4
EIRP (dBm)		52.6	52.9
Fixed Loss: Tx / Common (dB)		0.0 / 3.6	0.0 / 3.3
Free Space Loss (dB)			132.4
Transmit Frequencies (MHz)		17785.0000V(2)	19345.0000V(2)