

Microwave Path Data Sheet

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COMSEARCH

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PCN Date: 08/11/2011

Prev Job Num: 100929COMSCT02

Job Number: 110811COMSFB11

RCN Number: 11081127

Administrative Information

SBL024 CA

City/County /San Luis Obispo
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

SBL020 CA

City/County /San Luis Obispo
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)	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)	<u>797.97</u> / <u>2618.0</u>	<u>537.67</u> / <u>1764.0</u>
Antenna Structure Registration #		
Path Azimuth (°)	326.235	146.216
Path Length (km / miles)	5.302 / 3.294	

Transmit Antenna

87012A
Manufacturer ANDREW CORPORATION
Model VHLP2-18
Gain(dBi) / Beamwidth(°) / Tilt(°) 38.7 / 2.10 / -2.85
Centerline (m / ft – AGL) 4.27 / 14.0

87012A
Manufacturer ANDREW CORPORATION
Model VHLP2-18
Gain(dBi) / Beamwidth(°) / Tilt(°) 38.7 / 2.10 / 2.81
Centerline (m / ft – AGL) 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
Manufacturer Alcatel-Lucent USA, Inc.
Model 95MPR18-O128F30-160
Model Description 9500 MPR Outdoor Fixed Modulation
Emission Designator / Modulation 30M0D7W 128 QAM
Loading 1 CH DIG 160000.000
Stability (%) 0.001
Nominal Coordinated Maximum
Power (dBm) 17.5
Received Level (dBm) -44.4
EIRP (dBm) 52.6
Fixed Loss: Tx / Common (dB) 0.0 / 3.6
Free Space Loss (dB) 132.4

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Stability (%) 0.001
Nominal Coordinated Maximum
Power (dBm) 17.5
Received Level (dBm) -44.4
EIRP (dBm) 52.9
Fixed Loss: Tx / Common (dB) 0.0 / 3.3

Transmit Frequencies (MHz) 17785.0000V(2)

19345.0000V(2)