

Microwave Path Data Sheet
COMSEARCH

Page 1 of 1

19700 Janelia Farm Boulevard, Ashburn, VA, 20147
(571)246-3097 www.comsearch.com

PCN Date: 06/28/2011
Job Number: 110628COMSFB10

Prev Job Num: 110307COMSFB03
RCN Number: 11062820

Administrative Information

GOLDEN GATE CA
City/County Berkeley/Alameda
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

NEW BAY BRDG CA

Oakland/Alameda
Engineering Proposal / PRIMARY OPERATION
5165A1
New Cingular Wireless PCS LLC – N C
FXO -- Fixed

Site Information

Latitude (NAD 83)	37 °52' <u>46.6</u> " N	37 °49' 25.5" N
Longitude (NAD 83)	122 °18' <u>25.1</u> " W	122 °18' 42.8" W
Ground Elevation (m/ft-AMSL)	<u>4.00</u> / <u>13.1</u>	2.00 / 6.6
Antenna Structure Registration #		
Path Azimuth (°)	<u>183.994</u>	<u>3.991</u>
Path Length (km / miles)		<u>6.215</u> / <u>3.862</u>

Transmit Antenna

Manufacturer	80061A	80061A
Model	ANDREW CORPORATION	ANDREW CORPORATION
Gain(dBi) / Beamwidth(°) / Tilt(°)	VHLP4-18A	VHLP4-18A
Centerline (m / ft – AGL)	44.7 / 0.90 / <u>-0.04</u>	44.7 / 0.90 / <u>-0.00</u>
	<u>17.12</u> / <u>56.2</u>	<u>17.00</u> / <u>55.8</u>

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)	<u>-41.1</u>	<u>-41.1</u>
EIRP (dBm)	<u>54.1</u>	<u>54.1</u>
Fixed Loss: Tx / Common (dB)	0.0 / <u>6.1</u>	<u>0.0</u> / <u>6.1</u>
Free Space Loss (dB)		<u>133.8</u>

Transmit Frequencies (MHz) 19415.0000V(4)17855.0000V(4)
