

Microwave Path Data Sheet

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COMSEARCH

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PCN Date: 12/08/2009

Job Number: 091208COMSFB11

New Path

RCN Number: 09120825

Administrative Information

BA12012A WR CA
City/County /Contra Costa
Status / License Basis Engineering Proposal / PRIMARY OPERATION
Call Sign
Licensee Code OMNPTC
Licensee Name T-Mobile License LLC
Radio Service / Station Class CF -- Point-to-Point Microwave, Common Carrier

BA51965A DN CA

San Ramon/Contra Costa
Engineering Proposal / PRIMARY OPERATION
OMNPTC
T-Mobile License LLC
FXO -- Fixed

Site Information

Latitude (NAD 83)	37 ° 44' 20.0~ N	37 ° 44' 39.2~ N
Longitude (NAD 83)	121 ° 59' 42.5~ W	121 ° 56' 1.7~ W
Ground Elevation (m/ft-AMSL)	561.80 / 1843.2	158.19 / 519.0
Antenna Structure Registration #	1222544	
Path Azimuth (°)	83.732	263.770
Path Length (km / miles)	5.438 / 3.379	

Transmit Antenna

87012A
Manufacturer ANDREW CORPORATION
Model VHLP2-18
Gain (dBi) / Beamwidth (°) / Tilt (°) 38.7 / 2.10 / -4.13
Centerline (m / ft - AGL) 12.19 / 40.0

87012A
ANDREW CORPORATION
VHLP2-18
38.7 / 2.10 / 4.10
24.38 / 80.0

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

TEMJ43
Manufacturer ALCATEL-LUCENT
Model AL0H18004008T110
Model Description 9518 MXC 8DS1 QPSK
Emission Designator / Modulation 10M0G7W QPSK
Loading 192 CH DIG 12400.000
Stability (%) 0.001
Nominal Coordinated Maximum
Power (dBm) 15.0
Received Level (dBm) -40.2
EIRP (dBm) 53.7
Fixed Loss: Tx / Common (dB) 0.0 / 0.0
Free Space Loss (dB) 132.6

TEMJ43
ALCATEL-LUCENT
AL0H18004008T110
9518 MXC 8DS1 QPSK
10M0G7W QPSK
192 CH DIG 12400.000
0.001
Nominal Coordinated Maximum
15.0
-40.2
53.7
0.0 / 0.0

Transmit Frequencies (MHz) 17825.0000V(1)

19385.0000V(1)