

Microwave Path Data Sheet

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PCN Date: 08/17/2010

Job Number: 100817COMSFB03

New Path

RCN Number: 10081720

Administrative Information**SF13073B CA**City/County /San Mateo
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**BA02044A CA**Fremont/Alameda
Engineering Proposal / PRIMARY OPERATION
OMNPTC
T-Mobile License LLC
FXO -- Fixed**Site Information**

Latitude (NAD 83)	37 °24' 38.5~ N	37 °32' 21.6~ N
Longitude (NAD 83)	122 °18' 24.0~ W	122 °4' 59.7~ W
Ground Elevation (m/ft-AMSL)	721.50 / 2367.1	60.00 / 196.9
Antenna Structure Registration #	1224923	
Path Azimuth (°)	54.086	234.222
Path Length (km / miles)	24.380 / 15.149	

Transmit Antenna80061A
Manufacturer ANDREW CORPORATION
Model VHLP4-18A
Gain(dBi) / Beamwidth(°) / Tilt(°) 44.7 / 0.90 / -1.68
Centerline (m / ft - AGL) 21.34 / 70.080061A
ANDREW CORPORATION
VHLP4-18A
44.7 / 0.90 / 1.51
3.05 / 10.0**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
Alcatel-Lucent USA, Inc.
AL0H18004008T110
9518 MXC 8DS1 QPSK
10M0G7W QPSK
192 CH DIG 12400.000
0.001TEMJ43
Alcatel-Lucent USA, Inc.
AL0H18004008T110
9518 MXC 8DS1 QPSK
10M0G7W QPSK
192 CH DIG 12400.000
0.001

	Nominal	Coordinated	Maximum
Power (dBm)		19.5	
Received Level (dBm)		-36.7	
EIRP (dBm)		64.2	

	Nominal	Coordinated	Maximum
		19.5	
		-36.7	
		64.2	

Fixed Loss: Tx / Common (dB) 0.0 / 0.0
Free Space Loss (dB)

145.6

0.0 / 0.0

Transmit Frequencies (MHz) 17835.0000V(2)

19395.0000V(2)