

Microwave Path Data Sheet

Page 1 of 1

COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA, 20147

(703)726-5729 www.comsearch.com

PCN Date: 12/08/2009

Prev Job Num: 091204COMSFB01

Job Number: 091208COMSFB07

RCN Number: 09120818

Administrative Information**SF04509A AIR CA**

City/County San Jose/Santa Clara
 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

SF04512A PGE CA

San Jose/Santa Clara
 Engineering Proposal / PRIMARY OPERATION
 OMNPTC
 T-Mobile License LLC
 FXO -- Fixed

Site Information

Latitude (NAD 83)	37 °22' 21.4~ N	37 °22' 2.5~ N
Longitude (NAD 83)	121 °55' 5.9~ W	121 °55' 31.6~ W
Ground Elevation (m/ft-AMSL)	13.00 / 42.7	13.00 / 42.7
Antenna Structure Registration #		
Path Azimuth (°)	227.344	47.339
Path Length (km / miles)	0.860 / 0.534	

Transmit Antenna

87012A
 ANDREW CORPORATION
 VHLP2-18
 Gain (dBi) / Beamwidth (°) / Tilt (°) 38.7 / 2.10 / 0.38
 Centerline (m / ft - AGL) 12.80 / 42.0

87012A
 ANDREW CORPORATION
 VHLP2-18
 38.7 / 2.10 / -0.39
 18.56 / 60.9

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
 AL0H18004008T110
 9518 MXC 8DS1 QPSK
 10M0G7W QPSK
 192 CH DIG 12400.000
 0.001
 Nominal Coordinated Maximum
 2.0
 -37.2
 40.7

TEMJ43
 ALCATEL-LUCENT
 AL0H18004008T110
 9518 MXC 8DS1 QPSK
 10M0G7W QPSK
 192 CH DIG 12400.000
 0.001
 Nominal Coordinated Maximum
 2.0
 -37.2
 40.7

Fixed Loss: Tx / Common (dB) 0.0 / 0.0
 Free Space Loss (dB) 116.6

0.0 / 0.0

Transmit Frequencies (MHz) 19465.0000V(9)

17905.0000V(9)