

Microwave Path Data Sheet

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COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA, 20147

(571)246-3097 www.comsearch.com

PCN Date: 11/04/2010

Job Number: 101104COMSFB05

New Path

RCN Number: 10110424

Administrative Information

City/County

Status / License Basis

Call Sign

Licensee Code

Licensee Name

Radio Service / Station Class

SF24660A CA

Santa Clara/Santa Clara

Engineering Proposal / PRIMARY OPERATION

OMNPTC

T-Mobile License LLC

CF -- Point-to-Point Microwave, Common Carrier

SF04359A CA

Santa Clara/Santa Clara

Engineering Proposal / PRIMARY OPERATION

OMNPTC

T-Mobile License LLC

FXO -- Fixed

Site Information

Latitude (NAD 83)

37 °19' 49.7" N

37 °19' 26.9" N

Longitude (NAD 83)

121 °57' 58.6" W

121 °56' 58.8" W

Ground Elevation (m/ft-AMSL)

34.00 / 111.5

38.02 / 124.7

Antenna Structure Registration #

Path Azimuth (°)

115.517

295.527

Path Length (km / miles)

1.631 / 1.014

Transmit Antenna

Manufacturer

Model

Gain(dBi) / Beamwidth(°) / Tilt(°)

Centerline (m / ft - AGL)

87204A

ANDREW CORPORATION

VHLP2-18B

38.9 / 2.10 / -0.13

26.52 / 87.0

87204A

ANDREW CORPORATION

VHLP2-18B

38.9 / 2.10 / 0.12

18.90 / 62.0

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

Manufacturer

Model

Model Description

Emission Designator / Modulation

Loading

Stability (%)

TEMJ45

Alcatel-Lucent USA, Inc.

AL0H18004016T120

9518 MXC 16DS1 QPSK

20M0G7W QPSK

384 CH DIG 24700.000

0.001

Nominal Coordinated Maximum

Power (dBm)

19.5

Received Level (dBm)

-24.9

EIRP (dBm)

58.4

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-24.9

58.4

Fixed Loss: Tx / Common (dB)

0.0 / 0.0

0.0 / 0.0

Free Space Loss (dB)

122.2

Transmit Frequencies (MHz)

19350.0000V(5)

17790.0000V(5)