

Microwave Path Data Sheet

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COMSEARCH19700 Janelia Farm Boulevard, Ashburn, VA, 20147
(571)246-3097 www.comsearch.com

PCN Date: 12/17/2010

Job Number: 101217COMSFB01

Prev Job Num: 101104COMSFB05

RCN Number: 10121703

Administrative Information**SF24660A CA**City/County Santa Clara/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**SF04359A CA**City/County Santa Clara/Santa Clara
Status / License Basis Engineering Proposal / PRIMARY OPERATION
Call Sign
Licensee Code OMNPTC
Licensee Name T-Mobile License LLC
Radio Service / Station Class FXO -- Fixed**Site Information**

Latitude (NAD 83)	37 °19' <u>34.0</u> " N	37 °19' 26.9" N
Longitude (NAD 83)	121 °57' <u>50.0</u> " W	121 °56' 58.8" W
Ground Elevation (m/ft-AMSL)	<u>36.90</u> / <u>121.1</u>	38.02 / 124.7
Antenna Structure Registration #	<u>1268992</u>	
Path Azimuth (°)	<u>99.847</u>	<u>279.855</u>
Path Length (km / miles)		<u>1.279</u> / <u>0.795</u>

Transmit Antenna87204A
Manufacturer ANDREW CORPORATION
Model VHLP2-18B
Gain(dBi) / Beamwidth(°) / Tilt(°) 38.9 / 2.10 / -0.30
Centerline (m / ft - AGL) 26.52 / 87.087204A
Manufacturer ANDREW CORPORATION
Model VHLP2-18B
Gain(dBi) / Beamwidth(°) / Tilt(°) 38.9 / 2.10 / 0.29
Centerline (m / ft - AGL) 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**TEMJ45
Manufacturer Alcatel-Lucent USA, Inc.
Model AL0H18004016T120
Model Description 9518 MXC 16DS1 QPSK
Emission Designator / Modulation 20M0G7W QPSK
Loading 384 CH DIG 24700.000
Stability (%) 0.001TEMJ45
Manufacturer Alcatel-Lucent USA, Inc.
Model AL0H18004016T120
Model Description 9518 MXC 16DS1 QPSK
Emission Designator / Modulation 20M0G7W QPSK
Loading 384 CH DIG 24700.000
Stability (%) 0.001

	Nominal	Coordinated	Maximum
Power (dBm)		19.5	
Received Level (dBm)		<u>-22.7</u>	
EIRP (dBm)		58.4	

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Received Level (dBm)		<u>-22.7</u>	
EIRP (dBm)		58.4	

Fixed Loss: Tx / Common (dB) 0.0 / 0.0
Free Space Loss (dB)120.0

0.0 / 0.0

Transmit Frequencies (MHz) 19350.0000V(5)

17790.0000V(5)