

Microwave Path Data Sheet

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COMSEARCH

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PCN Date: 04/12/2011

Job Number: 110412COMSFB01

New Path

RCN Number: 11041201

Administrative Information

SF15065B 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

SF04523A CA

Los Gatos/Santa Clara
Engineering Proposal / PRIMARY OPERATION
OMNPTC
T-Mobile License LLC
FXO -- Fixed

Site Information

Latitude (NAD 83)	37 °14' 22.5" N	37 °14' 6.7" N
Longitude (NAD 83)	121 °54' 11.7" W	121 °56' 19.0" W
Ground Elevation (m/ft-AMSL)	79.40 / 260.5	106.20 / 348.4
Antenna Structure Registration #		
Path Azimuth (°)	261.187	81.165
Path Length (km / miles)	3.175 / 1.973	

Transmit Antenna

87204A	87204A
Manufacturer ANDREW CORPORATION	ANDREW CORPORATION
Model VHLP2-18B	VHLP2-18B
Gain(dBi) / Beamwidth(°) / Tilt(°) 38.9 / 2.10 / -0.06	38.9 / 2.10 / 0.03
Centerline (m / ft - AGL) 37.80 / 124.0	8.53 / 28.0

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	TEMJ45
Manufacturer Alcatel-Lucent USA, Inc.	Alcatel-Lucent USA, Inc.
Model AL0H18004016T120	AL0H18004016T120
Model Description 9518 MXC 16DS1 QPSK	9518 MXC 16DS1 QPSK
Emission Designator / Modulation 20M0G7W QPSK	20M0G7W QPSK
Loading 384 CH DIG 24700.000	384 CH DIG 24700.000
Stability (%) 0.001	0.001
Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm) 19.5	19.5
Received Level (dBm) -30.6	-30.6
EIRP (dBm) 58.4	58.4
Fixed Loss: Tx / Common (dB) 0.0 / 0.0	0.0 / 0.0
Free Space Loss (dB) 127.9	

Transmit Frequencies (MHz) 17850.0000V(8)

19410.0000V(8)