Microwave Path Data Sheet

COMSEARCH
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PCN Date: 09/12/2011 — New Path
Job Number: 110912COMSFB06 — RCN Number: 11091220

Administrative Information	**SF43399W CA**	**SF03035A CA**
City/County	San Francisco/San Francisco	San Francisco/San Francisco
Status / License Basis	Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign		
Licensee Code	OMNPTC	OMNPTC
Licensee Name	T−Mobile License LLC	T−Mobile License LLC
Radio Service / Station Class	CF −− Point−to−Point Microwave, Common Carrier	FXO −− Fixed

Site Information		
Latitude (NAD 83)	37 °46’ 6.3" N	37 °46’ 32.4" N
Longitude (NAD 83)	122 °23’ 38.3" W	122 °23’ 32.9" W
Ground Elevation (m/ft−AMSL)	5.07 / 16.6	2.54 / 8.3
Antenna Structure Registration #		
Path Azimuth (°)	9.326	189.327
Path Length (km / miles)	0.815 / 0.507	

Transmit Antenna	RB1160	RB1160
Manufacturer	RADIO WAVES, INC	RADIO WAVES, INC
Model	HP2−18	HP2−18
Gain(dBi) / Beamwidth(°) / Tilt(°)	38.6 / 2.00 / −0.01	38.6 / 2.00 / 0.00
Centerline (m / ft − AGL)	22.86 / 75.0	25.30 / 83.0

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	TEMY24	TEMY24
Manufacturer	CERAGON NETWORKS	CERAGON NETWORKS
Model	IP10−18−C40−16QAM−2	IP10−18−C40−16QAM−2
Model Description	ODU C 16QAM	ODU C 16QAM
Emission Designator / Modulation	40M0D7W 16 QAM	40M0D7W 16 QAM
Loading	1 CH DIG 120870.000	1 CH DIG 120870.000
Stability (%)	0.001	0.001
	Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm)	21.0	21.0
Received Level (dBm)	−20.9	−20.9
EIRP (dBm)	56.6	56.6
Fixed Loss: Tx / Common (dB)	3.0 / 0.0	3.0 / 0.0
Free Space Loss (dB)	116.1	

Transmit Frequencies (MHz)	19520.0000V(7)	17960.0000V(7)