

Microwave Path Data Sheet

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Job Number: 100312COMSKN02

Administrative Information		SAN JOSE 15 CA	DIABLO 45 CA
City/County		San Jose/Santa Clara	/Santa Clara
Status / License Basis		Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign		WPOS357	WPOT283
Licensee Code		P6775	P6775
Licensee Name		AT&T California	AT&T California
Radio Service / Station Class		CF -- Point-to-Point Microwave, Common Carrier	FXO -- Fixed
Site Information			
Latitude (NAD 83)		37 °18' 29.8" N	37 °19' 22.8" N
Longitude (NAD 83)		121 °46' 48.8" W	121 °45' 18.8" W
Ground Elevation (m/ft-AMSL)		78.03 / 256.0	292.61 / 960.0
Antenna Structure Registration #			1049603
Path Azimuth (°)		53.591	233.606
Path Length (km / miles)		2.753 / 1.711	
Transmit Antenna		CB0079	CB0059
Manufacturer		RFS	RFS
Model		DA4-190	DA2-190
Gain(dBi) / Beamwidth(°) / Tilt(°)		44.7 / 0.90 / 4.51	38.9 / 1.90 / -4.53
Centerline (m / ft - AGL)		6.10 / 20.0	9.14 / 30.0
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		TEMB36	TEMB36
Manufacturer		NEC AMERICA	NEC AMERICA
Model		TRP-18G-1A	TRP-18G-1A
Model Description		NLITE SPLIT ARCHITECTURE	NLITE SPLIT ARCHITECTURE
Emission Designator / Modulation		20M0G7W 4 PSK	20M0G7W 4 PSK
Loading		384 CH DIG 29751.000	384 CH DIG 29751.000
Stability (%)		0.001	0.001
		Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm)		19.0	19.0
Received Level (dBm)		-26.1	-26.1
EIRP (dBm)		62.7	56.9
Fixed Loss: Tx / Common (dB)		0.0 / 1.0	0.0 / 1.0
Free Space Loss (dB)			126.7
Transmit Frequencies (MHz)		19410.0000V(8)	17850.0000V(8)