

Microwave Path Data Sheet

Page 1 of 1

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PCN Date: 04/14/2011

Job Number: 050415COMSFB03

Administrative Information		SF58XC002-A	CA	SF58XC002-M	CA
City/County		/Alameda		/Alameda	
Status / License Basis		Engineering Proposal / PRIMARY OPERATION		Engineering Proposal / PRIMARY OPERATION	
Call Sign					
Licensee Code		SPRISJ		SPRISJ	
Licensee Name		Sprint PCS		Sprint PCS	
Radio Service / Station Class		CF -- Point-to-Point Microwave, Common Carrier		FXO -- Fixed	
Site Information					
Latitude (NAD 83)		37 °43' 43.1" N		37 °44' 30.8" N	
Longitude (NAD 83)		121 °37' 34.1" W		121 °34' 53.5" W	
Ground Elevation (m/ft-AMSL)		267.61 / 878.0		129.54 / 425.0	
Antenna Structure Registration #					
Path Azimuth (°)		69.481		249.509	
Path Length (km / miles)		4.198 / 2.609			
Transmit Antenna		84089A		84089A	
Manufacturer		ANDREW CORPORATION		ANDREW CORPORATION	
Model		VHLP2-180A		VHLP2-180A	
Gain(dBi) / Beamwidth(°) / Tilt(°)		38.7 / 1.80 / -1.86		38.7 / 1.80 / 1.84	
Centerline (m / ft - AGL)		2.74 / 9.0		5.18 / 17.0	
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		TEM68		TEM68	
Manufacturer		Aviat Networks, Inc.		Aviat Networks, Inc.	
Model		HRS-2MSH18G8T1		HRS-2MSH18G8T1	
Model Description		MICROSTAR M/H Type II IDU		MICROSTAR M/H Type II IDU	
Emission Designator / Modulation		5M00D7W 16 QAM		5M00D7W 16 QAM	
Loading		192 CH DIG 13565.000		192 CH DIG 13565.000	
Stability (%)		0.0007		0.0007	
		Nominal	Coordinated	Maximum	
Power (dBm)		16.0		16.0	
Received Level (dBm)		-37.0		-37.0	
EIRP (dBm)		54.7		54.7	
Fixed Loss: Tx / Common (dB)		0.0 / 0.0		0.0 / 0.0	
Free Space Loss (dB)				130.4	
Transmit Frequencies (MHz)		19445.0000V(7)		17885.0000V(7)	