

Microwave Path Data Sheet

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COMSEARCH

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PCN Date: 01/20/2011

Prev Job Num: 100916COMSSL07

Job Number: 110120COMSSL01

RCN Number: 11012005

Administrative Information

CA-SFO0829C CA
City/County: Oakland/Alameda
Status / License Basis: Engineering Proposal / PRIMARY OPERATION
Call Sign:
Licensee Code: CLESP3
Licensee Name: Clearwire Spectrum Holdings III, LL
Radio Service / Station Class: MG -- Microwave Industrial/Business Pool

CA-SFO0165A CA

City/County: Oakland/Alameda
Status / License Basis: Engineering Proposal / PRIMARY OPERATION
Call Sign: WQML754
Licensee Code: CLESP3
Licensee Name: Clearwire Spectrum Holdings III, LL
Radio Service / Station Class: FXO -- Fixed

Site Information

Latitude (NAD 83)	37 ° 46' 54.1" N	37 ° 47' 25.6" N
Longitude (NAD 83)	122 ° 10' 37.1" W	122 ° 10' 15.0" W
Ground Elevation (m/ft-AMSL)	93.10 / 305.4	272.60 / 894.4
Antenna Structure Registration #		
Path Azimuth (°)	29.107	209.111
Path Length (km / miles)	1.112 / 0.691	

Transmit Antenna

80014A	80014A
Manufacturer: ANDREW CORPORATION	ANDREW CORPORATION
Model: VHLP1-23A	VHLP1-23A
Gain(dBi) / Beamwidth(°) / Tilt(°): 35.3 / 3.00 / 8.71	35.3 / 3.00 / -8.72
Centerline (m / ft - AGL): 23.47 / 77.0	14.33 / 47.0

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

TEMR36	TEMR36
Manufacturer: DRAGONWAVE INC	DRAGONWAVE INC
Model: 23HD50HFC364V02	23HD50HFC364V02
Model Description: HORIZON DUO	HORIZON DUO
Emission Designator / Modulation: 47M1D7W 256 QAM	47M1D7W 256 QAM
Loading: 1 CH DIG 364000.000	1 CH DIG 364000.000
Stability (%): 0.001	0.001
Power (dBm):	Nominal Coordinated Maximum
Received Level (dBm):	15.5
EIRP (dBm):	-34.2
	50.8
Fixed Loss: Tx / Common (dB): 0.0 / 0.0	0.0 / 0.0
Free Space Loss (dB):	120.3

Transmit Frequencies (MHz)	23325.0000V(7)	23425.0000V(9)	22125.0000V(7)	22225.0000V(9)
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