

Microwave Path Data Sheet

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COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA, 20147
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PCN Date: 07/26/2010

Job Number: 100726COMSSL01

New Path

RCN Number: 10072600

Administrative Information

CA-SJC0127B CA
City/County Sunnyvale/Santa Clara
Status / License Basis Engineering Proposal / PRIMARY OPERATION
Call Sign WQLY506
Licensee Code CLESP3
Licensee Name Clearwire Spectrum Holdings III, LL
Radio Service / Station Class MG -- Microwave Industrial/Business Pool

CA-SJC0003A CA

Santa Clara/Santa Clara
Engineering Proposal / PRIMARY OPERATION
WQKU519
CLESP3
Clearwire Spectrum Holdings III, LL
FXO -- Fixed

Site Information

Latitude (NAD 83)	37 °22' 40.2~ N	37 °23' 1.9~ N
Longitude (NAD 83)	122 °2' 0.3~ W	121 °58' 43.5~ W
Ground Elevation (m/ft-AMSL)	29.80 / 97.8	10.06 / 33.0
Antenna Structure Registration #		
Path Azimuth (°)	82.116	262.150
Path Length (km / miles)	4.888 / 3.037	

Transmit Antenna

87066A	87066A
ANDREW CORPORATION	ANDREW CORPORATION
VHLP2.5-23A	VHLP2.5-23A
Gain(dBi) / Beamwidth(°) / Tilt(°) 43.0 / 1.20 / -0.27	43.0 / 1.20 / 0.23
Centerline (m / ft - AGL) 33.53 / 110.0	32.00 / 105.0

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

TEMQ48	TEMQ48
DRAGONWAVE INC	DRAGONWAVE INC
23HD50HFC322V02	23HD50HFC322V02
HORIZON DUO	HORIZON DUO
Emission Designator / Modulation 45M8D7W 256 QAM	45M8D7W 256 QAM
Loading 1 CH DIG 322000.000	1 CH DIG 322000.000
Stability (%) 0.001	0.001
Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm) 12.0 17.5 17.5	12.0 17.5 17.5
Received Level (dBm) -35.1 -29.6 -29.6	-35.1 -29.6 -29.6
EIRP (dBm) 60.5	60.5
Fixed Loss: Tx / Common (dB) 0.0 / 0.0	0.0 / 0.0
Free Space Loss (dB) 133.1	

Transmit Frequencies (MHz)	23375.0000V(8)	23475.0000V(10)	22175.0000V(8)	22275.0000V(10)
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