

Microwave Path Data Sheet

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COMSEARCH

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PCN Date: 12/16/2010

Prev Job Num: 101014COMSSL01

Job Number: 101216COMSSL02

RCN Number: 10121603

Administrative Information

CA-SJC0183C CA
City/County San Jose/Santa Clara
Status / License Basis Engineering Proposal / PRIMARY OPERATION
Call Sign WQMM309
Licensee Code CLESP3
Licensee Name Clearwire Spectrum Holdings III, LL
Radio Service / Station Class MG -- Microwave Industrial/Business Pool

CA-SJC0158A CA

Santa Clara/Santa Clara
Engineering Proposal / PRIMARY OPERATION

CLESP3
Clearwire Spectrum Holdings III, LL
FXO -- Fixed

Site Information

Latitude (NAD 83)	37 °20' 54.1" N	37 °19' 43.0" N
Longitude (NAD 83)	121 °54' 0.7" W	121 °57' 3.6" W
Ground Elevation (m/ft-AMSL)	21.10 / 69.2	37.00 / 121.4
Antenna Structure Registration #		
Path Azimuth (°)	244.056	64.025
Path Length (km / miles)	5.007 / 3.111	

Transmit Antenna

87059A	87059A
ANDREW CORPORATION	ANDREW CORPORATION
VHLP2.5-18	VHLP2.5-18
Gain(dBi) / Beamwidth(°) / Tilt(°) 41.0 / 1.50 / -0.25	41.0 / 1.50 / 0.22
Centerline (m / ft - AGL) 48.77 / 160.0	12.19 / 40.0

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

TEM085	TEM085
DRAGONWAVE INC	DRAGONWAVE INC
18HD50HFC322V02	18HD50HFC322V02
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) 17.5	17.5
Received Level (dBm) -34.0	-34.0
EIRP (dBm) 57.7	57.7
Fixed Loss: Tx / Common (dB) 0.0 / 0.8	0.0 / 0.8
Free Space Loss (dB) 131.9	

Transmit Frequencies (MHz)	19375.0000H(2)	19475.0000H(4)	17815.0000H(2)	17915.0000H(4)
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