

Microwave Path Data Sheet

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COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA, 20147
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PCN Date: 09/17/2010

Job Number: 100917COMSSL01

New Path

RCN Number: 10091700

Administrative Information

CA-SFO0432C CA
City/County San Jose/Santa Clara
Status / License Basis Engineering Proposal / PRIMARY OPERATION
Call Sign WQLY752
Licensee Code CLESP3
Licensee Name Clearwire Spectrum Holdings III, LL
Radio Service / Station Class MG -- Microwave Industrial/Business Pool

CA-SFO0002A CA

San Jose/Santa Clara
Engineering Proposal / PRIMARY OPERATION
WQLX857
CLESP3
Clearwire Spectrum Holdings III, LL
FXO -- Fixed

Site Information

Latitude (NAD 83)	37 °19' 2.8" N	37 °20' 2.9" N
Longitude (NAD 83)	121 °56' 51.1" W	121 °53' 30.3" W
Ground Elevation (m/ft-AMSL)	44.10 / 144.7	28.20 / 92.5
Antenna Structure Registration #		
Path Azimuth (°)	69.438	249.471
Path Length (km / miles)	5.279 / 3.280	

Transmit Antenna

RH6969	RH6969
RADIO WAVES, INC	RADIO WAVES, INC
HP3-18	HP3-18
Gain(dBi) / Beamwidth(°) / Tilt(°) 42.0 / 1.30 / -0.18	42.0 / 1.30 / 0.14
Centerline (m / ft - AGL) 49.38 / 162.0	50.29 / 165.0

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

TEMU74	TEMU74
DRAGONWAVE INC	DRAGONWAVE INC
18HA50HFC322V01	18HA50HFC322V01
Horizon Duo-Adj Channel	Horizon Duo-Adj Channel
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) 15.5	15.5
Received Level (dBm) -32.9	-32.9
EIRP (dBm) 57.5	57.5
Fixed Loss: Tx / Common (dB) 0.0 / 0.0	0.0 / 0.0
Free Space Loss (dB) 132.4	

Transmit Frequencies (MHz)	17765.0000H(1)	17815.0000H(2)	19325.0000H(1)	19375.0000H(2)
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