

# Del Norte County Common Carrier Fixed Point Microwave

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Note: This data retrieved from the FCC databases. This data important as it represents the backbone of telephony for Del Norte, especially for Verizon.

## Master List

Note: Presented here in the order retrieved from the FCC databases.

	<b>Call Sign</b>	<b>Licensee Name</b>	<b>FRN</b>	<b>R a d i o S e r v i c e</b>	<b>Status</b>	<b>Expiration Date</b>
1	<a href="#">KML48</a>	Verizon West Coast, Inc.	0001583228	CF	Active	02/01/2011
2	<a href="#">KML49</a>	Verizon West Coast, Inc.	0001583228	CF	Active	02/01/2011
3	<a href="#">KML50</a>	Verizon West Coast, Inc.	0001583228	CF	Active	02/01/2011
4	<a href="#">KPF73</a>	Verizon Northwest Inc.	0001583244	CF	Active	02/01/2011
5	<a href="#">KTG39</a>	PACIFIC MICROWAVE JOINT VENTURE	0004534145	CF	Active	02/01/2011
6	<a href="#">KZA84</a>	Verizon California Inc.	0001536424	CF	Active	02/01/2011
7	<a href="#">WAX78</a>	Verizon California Inc.	0001536424	CF	Active	02/01/2011
8	<a href="#">WLL506</a>	AB Cellular LA, LLC	0004521977	CF	Canceled	02/01/2011
9	<a href="#">WLL563</a>	TMC COMMUNICATIONS, INC.		CF	Expired	02/01/2001
10	<a href="#">WLL642</a>	GTE MOBILNET OF CALIFORNIA LIMITED PARTNERSHIP	0003579380	CF	Canceled	02/01/2011
11	<a href="#">WLL656</a>	GTE MOBILNET OF SANTA BARBARA LIMITED PARTNERSHIP	0003577624	CF	Canceled	02/01/2011
12	<a href="#">WLM387</a>	M.U.T. Licensing, LLC	0004253712	CF	Active	02/01/2011
13	<a href="#">WLM538</a>	PACTEL CELLULAR		CF	Expired	02/01/2001
14	<a href="#">WLM579</a>	BUSINESS INFORMATION TRANSMISSION SYSTEMS		CF	Expired	02/01/2001
15	<a href="#">WLT380</a>	M.U.T. Licensing, LLC	0004253712	CF	Active	02/01/2011
16	<a href="#">WLU670</a>	Verestar, Inc. (Debtor-in-Possession)	0010068609	CF	Canceled	02/01/2011
17	<a href="#">WMJ498</a>	CELLULAR 2000		CF	Canceled	02/01/2001
18	<a href="#">WMJ753</a>	Curry County Communications	0005751946	CF	Active	02/01/2011
19	<a href="#">WMJ754</a>	Curry County Communications	0005751946	CF	Active	02/01/2011
20	<a href="#">WPJB980</a>	CALIFORNIA RURAL SERVICE AREA 1 INC	0002703700	CF	Active	02/01/2011
21	<a href="#">WPJB981</a>	CALIFORNIA RURAL SERVICE AREA 1 INC	0002703700	CF	Active	02/01/2011
22	<a href="#">WPND664</a>	ART Licensing Corp.	0003865888	CF	Active	03/26/2007
23	<a href="#">WPNE944</a>	ART Licensing Corp.	0003865888	CF	Active	05/15/2007
24	<a href="#">WPNE950</a>	ART Licensing Corp.	0003865888	CF	Active	05/15/2007
25	<a href="#">WPNN778</a>	CALIFORNIA RURAL SERVICE AREA #1, INC.	0002703700	CF	Active	06/15/2008
26	<a href="#">WPOL988</a>	California Rural Service Area #1 Inc.	0002703700	CF	Active	01/27/2010
27	<a href="#">WPOL989</a>	California Rural Service Area #1, Inc.	0002703700	CF	Active	01/27/2010
28	<a href="#">WPOM431</a>	California Rural Service Area #1, Inc.	0002703700	CF	Active	02/18/2010
29	<a href="#">WPOM432</a>	California Rural Service Area #1 Inc.	0002703700	CF	Canceled	02/18/2010
30	<a href="#">WPOR602</a>	CALIFORNIA RURAL SERVICE AREA 1 INC	0002703700	CF	Canceled	12/10/2008

31	<a href="#">WPOS871</a>	Cal-One Cellular L.P.	000173645 3	CF	Canceled	04/23/2009
32	<a href="#">WPOS872</a>	Cal-One Cellular L P	000173645 3	CF	Active	04/23/2009
33	<a href="#">WPTB833</a>	Cal-One Cellular L P	000173645 3	CF	Active	08/24/2011
34	<a href="#">WPTF797</a>	Cal-One Cellular L P	000173645 3	CF	Active	09/24/2011
35	<a href="#">WPYM516</a>	CALIFORNIA RURAL SERVICE AREA #1, INC.	000270370 0	CF	Active	09/09/2013
36	<a href="#">WQFA779</a>	CALIFORNIA RURAL SERVICE AREA #1, INC.	000270370 0	CF	Active	06/02/2016

## License Details By Registrant

Note: Information presented here is organized by registrant.

### ART Licensing Corp.

**WPND664**

### Federal Communications Commission Wireless Telecommunications Bureau

#### Radio Station Authorization (Reference Copy)

**This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.**

Licensee: ART Licensing Corp.

ATTN Joseph M. Sandri, Jr.  
ART Licensing Corp.  
7925 Jones Branch Drive, Suite 3300  
McLean, VA 22102

<b>FCC Registration Number (FRN):</b> 0003865888	
<b>Call Sign:</b> WPND664	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 03/26/1997		
<b>Effective Date</b> 07/26/2005	<b>Expiration Date</b> 03/26/2007	<b>Print Date</b> 06/16/2006

#### LOCATION

#### Fixed Location Address or Area of Operation

Rectangular Area Of Operation Defined By Coordinates

41-33-59.5 N, 122-00-04.0 W  
42-59-59.4 N, 123-55-04.3 W

<b>City</b>	<b>County</b>	<b>State</b>
MEDFORD		OR

Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1		41-33-59.5 N	122-00-04.0 W		

#### FREQUENCY PATHS

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
									Reflector Ht(m) x Wd(m)					

039000.00000000- 0.03000 50M0W9W 85.0	1	1	1	6.1	38.0	2.2	S	999.0	1
039050.00000000									
039700.00000000- 0.03000 50M0W9W 85.0	1	1	1	6.1	38.0	2.2	S	999.0	1
039750.00000000									

**Waivers/Conditions:** THIS AUTHORIZATION IS CONDITIONED ON ANY RULE CHANGES RESULTING FROM FUTURE RULEMAKING PROCEEDINGS AFFECTING THE FREQUENCIES AUTHORIZED HEREIN.

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

## Locations Summary

<b>Locations Summary</b>			
Call Sign	WPND664	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>1 Total Location</b>			
10 Locations per Summary Page			

<b>Mobile Transmit Location 1:</b>			
Operating within a rectangular area of operation: Latitude 41-33-59.5 N, Longitude 122-00-04.0 W Max Lat 42-59-59.4 N, Max Long 123-55-04.3 W			
Special Conditions	None		

## Paths Summary

<b>Paths Summary</b>			
Call Sign	WPND664	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter		Coordinates	41-33-59.5 N , 122-00-04.0 W
<b>1 Total Path</b>			

<b>Path 1 - Area</b>			
▶			Rec. Call Sign
Path Frequencies			
039000.00000000-039050.00000000		039700.00000000-039750.00000000	



**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

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**Licensee:** ART Licensing Corp.

ATTN Joseph M. Sandri, Jr.  
ART Licensing Corp.  
7925 Jones Branch Drive, Suite 3300  
McLean, VA 22102

<b>FCC Registration Number (FRN):</b> 0003865888	
<b>Call Sign:</b> WPNE944	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 05/15/1997		
<b>Effective Date</b> 07/26/2005	<b>Expiration Date</b> 05/15/2007	<b>Print Date</b> 06/16/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

Rectangular Area Of Operation Defined By Coordinates

41-33-59.5 N, 122-00-04.0 W  
42-59-59.4 N, 123-55-04.3 W

<b>City</b>	<b>County</b>	<b>State</b>
MEDFORD		OR

Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1		41-33-59.5 N	122-00-04.0 W		

**FREQUENCY PATHS**

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
038900.00000000-038950.00000000	0.03000	50M0W9W	85.0		1	1	1	6.1	38.0	2.2	S	999.0	1	
039600.00000000-039650.00000000	0.03000	50M0W9W	85.0		1	1	1	6.1	38.0	2.2	S	999.0	1	

**Waivers/Conditions:** THIS AUTHORIZATION IS CONDITIONED ON ANY RULE CHANGES RESULTING FROM

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

**Locations Summary**

<b>Locations Summary</b>			
Call Sign	WPNE944	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>1 Total Location</b>			
10 Locations per Summary Page			
<b>Mobile Transmit Location 1:</b>			
Operating within a rectangular area of operation: Latitude 41-33-59.5 N, Longitude 122-00-04.0 W Max Lat 42-59-59.4 N, Max Long 123-55-04.3 W			
Special Conditions	None		

**Paths Summary**

<b>Paths Summary</b>			
Call Sign	WPNE944	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter		Coordinates	41-33-59.5 N , 122-00-04.0 W
<b>1 Total Path</b>			
<b>Path 1 - Area</b>			
			Rec. Call Sign
<b>Path Frequencies</b>			
038900.00000000-038950.00000000		039600.00000000-039650.00000000	



**Charter Communications**

**KTG39**

**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

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**Licensee:** PACIFIC MICROWAVE JOINT VENTURE

ATTN Charter Communications, Inc.  
PACIFIC MICROWAVE JOINT VENTURE  
12405 Powerscourt Drive  
St. Louis, MO 63131

<b>FCC Registration Number (FRN):</b> 0004534145	
<b>Call Sign:</b> KTG39	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 03/13/2001		
<b>Effective Date</b> 04/21/2006	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/12/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

7 MI SW OF

<b>City</b> WILLOW CREEK	<b>County</b> HUMBOLDT	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	HORSE MTN	40-52-19.4 N	123-44-12.1 W	1492.9m	
2	EUREKA	40-47-28.4 N	124-10-52.2 W	2.7m	
3	RED MTN PR	41-31-46.4 N	123-54-25.2 W	1300.0m	
4	CRESCENT	41-46-20.4 N	124-13-52.2 W	12.2m	

**FREQUENCY PATHS**

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
005937.80000000	0.00050	30M0F8W	73.9		1	1	1	11.6	38.8	2.0	V	257.9	2	
006056.40000000	0.00050	30M0F8W	67.9		1	1	1	11.6	38.8	2.0	V	257.9	2	
006212.00000000	0.00050	30M0F8W	67.9		1	1	1	11.6	38.8	2.0	V	257.9	2	
006338.10000000	0.00050	30M0F8W	73.9		1	1	1	11.6	38.8	2.0	V	257.9	2	

Reflector  
Ht(m) x  
Wd(m)

006056.38750000	0.00050	30M0F8W	74.6	2	1	1	10.7	41.5	1.4	H	348.9	3
					2	3	11.3	41.5		H	315.0	4
006212.06500000	0.00050	30M0F8W	74.6	2	1	1	10.7	41.5	1.4	H	348.9	3
					2	3	11.3	41.5		H	315.0	4
006308.42750000	0.00050	30M0F8W	76.6	2	1	1	10.7	41.5	1.4	H	348.9	3
					2	3	11.3	41.5		H	315.0	4

**Waivers/Conditions:** None

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

Call Sign	KTG39	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
4 Total Locations			
10 Locations per Summary Page			

**Fixed Transmit Location 1: HORSE MTN**

Transmit Location 7 MI SW OF WILLOW CREEK, CA HUMBOLDT County	Coordinates	40-52-19.4 N, 123-44-12.1 W	
Site Elevation (AMSL)	1492.9m	Height w/o Appurtenances	18.3m
ASR #	N/A	Height w/ Appurtenances	18.3m
Support Structure Type			
Special Conditions	None		

**Other Locations**

<b>Location 2 : EUREKA</b>			
Type	Receive Location	Coordinates	40-47-28.4 N, 124-10-52.2 W
Site Elevation (AMSL)	2.7m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			

Special Conditions	None		
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**Location 3 : RED MTN PR**

Type	Passive Repeater Location	Coordinates	41-31-46.4 N, 123-54-25.2 W
Site Elevation (AMSL)	1300.0m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	13.1m
Support Structure Type			

Special Conditions	None		
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**Location 4 : CRESCENT**

Type	Receive Location	Coordinates	41-46-20.4 N, 124-13-52.2 W
Site Elevation (AMSL)	12.2m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			

Special Conditions	None		
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<b>4 Total Locations</b>	
10 Locations per Summary Page	

Call Sign	KTG39	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	HORSE MTN	Coordinates	40-52-19.4 N , 123-44-12.1 W
<b>2 Total Paths</b>			

**Path 1 - Fixed Point-to-Point**

▶	Rec. Call Sign
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Location	Coordinates	
EUREKA	40-47-28.4 N , 124-10-52.2 W	
Path Frequencies		
005937.80000000	006056.40000000	006212.00000000
006338.10000000		
<b>Path 2 - Fixed Point-to-Point</b>		
▶	Rec. Call Sign	
Location	Coordinates	
RED MTN PR	41-31-46.4 N , 123-54-25.2 W	
CRESCENT	41-46-20.4 N , 124-13-52.2 W	
Path Frequencies		
006056.38750000	006212.06500000	006308.42750000
<b>2 Total Paths</b>		

# Curry County Communications

**WMJ753**

## Federal Communications Commission Wireless Telecommunications Bureau

### Radio Station Authorization (Reference Copy)

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**Licensee:** Curry County Communications

ATTN Vern R. garvin  
Curry County Communications  
PO Box 1220  
607 railroad street  
BROOKINGS, OR 97415

<b>FCC Registration Number (FRN):</b> 0005751946	
<b>Call Sign:</b> WMJ753	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 02/27/2001		
<b>Effective Date</b> 02/19/2005	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/15/2006

### LOCATION

**Fixed Location Address or Area of Operation**

1.6 MILES E OF

<b>City</b> BROOKINGS	<b>County</b> CURRY	<b>State</b> OR
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	HARBOR HILL	42-03-01.3 N	124-15-15.3 W	335.3m	
2	CRESENT CITY	41-45-17.4 N	124-12-17.2 W	3.0m	
3	BROOKINGS	42-03-04.4 N	124-17-12.3 W	15.2m	

### FREQUENCY PATHS

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
002121.60000000	0.00100	1M60F8W	58.5		1	1	1	6.1	30.5	5.1	H	172.9	2	WMJ754
002128.00000000	0.00100	1M60F8W	54.7		2	1	1	6.1	26.7	7.9	V	272.0	3	WDU677

**Waivers/Conditions:** THIS AUTHORIZATION FOR ANY FACILITIES AUTHORIZED FOR FREQUENCY BETWEEN

1850 AND 2200 MHZ IS SUBJECT TO THE RULES, PROCEDURES, AND POLICIES IMPOSED BY THE COMMISSION IN ET DOCKET NO. 92-9, INCLUDING OPERATION OF A FACILITY AT 1850 TO 2200 MHZ ON A SECONDARY, NON-INTERFERENCE BASIS.

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

## Locations Summary

Call Sign	WMJ753	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>3 Total Locations</b>			
10 Locations per Summary Page			

### Fixed Transmit Location 1: HARBOR HILL

Transmit Location 1.6 MILES E OF BROOKINGS, OR CURRY County		Coordinates	42-03-01.3 N, 124-15-15.3 W
Site Elevation (AMSL)	335.3m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	9.1m
Support Structure Type			
Special Conditions	None		

### Other Locations

#### Location 2 : CRESENT CITY

Type	Receive Location	Coordinates	41-45-17.4 N, 124-12-17.2 W
Site Elevation (AMSL)	3.0m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			

Special Conditions	None		
<b>Location 3 : BROOKINGS</b>			
Type	Receive Location	Coordinates	42-03-04.4 N, 124-17-12.3 W
Site Elevation (AMSL)	15.2m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

## Paths Summary

Call Sign	WMJ753	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	HARBOR HILL	Coordinates	42-03-01.3 N , 124-15-15.3 W
2 Total Paths			

### Path 1 - Fixed Point-to-Point

▶	Rec. Call Sign	WMJ754
Location	Coordinates	
CRESENT CITY	41-45-17.4 N , 124-12-17.2 W	
Path Frequencies		
002121.60000000		

### Path 2 - Fixed Point-to-Point

▶	Rec. Call Sign	WDU677
Location	Coordinates	
BROOKINGS	42-03-04.4 N , 124-17-12.3 W	
Path Frequencies		

002128.00000000

002128.00000000					
2 Total Paths					



**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

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**Licensee:** Curry County Communications

ATTN Vern R. garvin  
Curry County Communications  
PO Box 1220  
607 railroad street  
BROOKINGS, OR 97415

<b>FCC Registration Number (FRN):</b> 0005751946	
<b>Call Sign:</b> WMJ754	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 02/27/2001		
<b>Effective Date</b> 02/19/2005	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/15/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

511 9TH STREET

<b>City</b> CRESCENT CITY	<b>County</b> DEL NORTE	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	CRESENT CITY	41-45-17.4 N	124-12-17.2 W	3.0m	
2	HARBOR HILL	42-03-01.3 N	124-15-15.3 W	335.3m	

**FREQUENCY PATHS**

Frequency (MHz)	ToI (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
002171.60000000	0.00100	1M60F8W	58.5		1	1	1	6.1	30.5	5.1	H	352.9	2	WMJ753
Reflector Ht(m) x Wd(m)														

**Waivers/Conditions:** THIS AUTHORIZATION FOR ANY FACILITIES AUTHORIZED FOR FREQUENCY BETWEEN 1850 AND 2200 MHZ IS SUBJECT TO THE RULES, PROCEDURES, AND POLICIES IMPOSED BY THE COMMISSION IN ET DOCKET NO. 92-9, INCLUDING OPERATION OF A FACILITY AT 1850 TO 2200 MHZ ON A SECONDARY, NON-INTERFERENCE BASIS.

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

**Locations Summary**

Call Sign	WMJ754	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
2 Total Locations			
10 Locations per Summary Page			

**Fixed Transmit Location 1: CRESENT CITY**

Transmit Location 511 9TH STREET CRESCENT CITY, CA DEL NORTE County		Coordinates	41-45-17.4 N, 124-12-17.2 W
Site Elevation (AMSL)	3.0m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	6.7m
Support Structure Type			
Special Conditions	None		

**Other Locations****Location 2 : HARBOR HILL**

Type	Receive Location	Coordinates	42-03-01.3 N, 124-15-15.3 W
Site Elevation (AMSL)	335.3m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

## Paths Summary

Call Sign	WMJ754	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	CRESENT CITY	Coordinates	41-45-17.4 N , 124-12-17.2 W
1 Total Path			

### Path 1 - Fixed Point-to-Point

▶	Rec. Call Sign	WMJ753
Location	Coordinates	
HARBOR HILL	42-03-01.3 N , 124-15-15.3 W	
Path Frequencies		
002171.60000000		

M.U.T.

WLM387

Federal Communications Commission  
Wireless Telecommunications Bureau

Radio Station Authorization (Reference Copy)

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Licensee: M.U.T. Licensing, LLC

M.U.T. Licensing, LLC  
301 N. Fairfax Street, Suite 101  
Alexandria, VA 22314

<b>FCC Registration Number (FRN):</b> 0004253712	
<b>Call Sign:</b> WLM387	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FX5

<b>Grant Date</b> 02/21/2001		
<b>Effective Date</b> 05/30/2001	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/15/2006

LOCATION

Fixed Location Address or Area of Operation

Statewide

<b>City</b>	<b>County</b>	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1		--	--		

FREQUENCY PATHS

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
002110.00000000-002130.00000000					1	1	1	6.1			S		1	WLM387
002160.00000000-002180.00000000					1	1	1	6.1			S		1	WLM387
003700.00000000-004200.00000000					1	1	1	6.1			S		1	WLM387
005925.00000000-006425.00000000					1	1	1	6.1			S		1	WLM387

010700.00000000- 011700.00000000	1	1	1	6.1	S	1	WLM387
017700.00000000- 019700.00000000	1	1	1	6.1	S	1	WLM387
021200.00000000- 021800.00000000	1	1	1	6.1	S	1	WLM387
022400.00000000- 023000.00000000	1	1	1	6.1	S	1	WLM387

**Waivers/Conditions:** None

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

**Microwave Data**

Oper Type	Temporary Fixed/Mobile	Station Class	FX5 - Temporary Fixed
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**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

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Licensee: M.U.T. Licensing, LLC

M.U.T. Licensing, LLC  
301 N. Fairfax Street, Suite 101  
Alexandria, VA 22314

<b>FCC Registration Number (FRN):</b> 0004253712	
<b>Call Sign:</b> WLT380	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FX5

<b>Grant Date</b> 02/21/2001		
<b>Effective Date</b> 05/30/2001	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/15/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

Statewide

City	County	State
		CA

Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1		--	--		

**FREQUENCY PATHS**

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
002110.00000000-002130.00000000					1	1	1	6.1			S		1	WLT380
002160.00000000-002180.00000000					1	1	1	6.1			S		1	WLT380
003700.00000000-004200.00000000					1	1	1	6.1			S		1	WLT380
005925.00000000-006425.00000000					1	1	1	6.1			S		1	WLT380
010700.00000000-					1	1	1	6.1			S		1	WLT380

Reflector  
Ht(m) x  
Wd(m)

011700.00000000								
017700.00000000- 018820.00000000	1	1	1	6.1	S	1	WLT380	
018920.00000000- 019160.00000000	1	1	1	6.1	S	1	WLT380	
019260.00000000- 019700.00000000	1	1	1	6.1	S	1	WLT380	
021200.00000000- 022000.00000000	1	1	1	6.1	S	1	WLT380	
022000.00000000- 023600.00000000	1	1	1	6.1	S	1	WLT380	
027500.00000000- 029500.00000000	1	1	1	6.1	S	1	WLT380	

**Waivers/Conditions:** None

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

**Microwave Data**

Oper Type	Temporary Fixed/Mobile	Station Class	FX5 - Temporary Fixed
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**US Cellular -- California Rural Service Area 1, Inc.**

**WPJB980**

**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

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**Licensee:** CALIFORNIA RURAL SERVICE AREA 1 INC

CALIFORNIA RURAL SERVICE AREA 1 INC  
8410 WEST BRYN MAWR STE 700  
CHICAGO, IL 60631

<b>FCC Registration Number (FRN):</b> 0002703700	
<b>Call Sign:</b> WPJB980	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 02/21/2001		
<b>Effective Date</b> 02/21/2001	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/15/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

14 MI N OF

<b>City</b> CRESCENT CITY	<b>County</b> DEL NORTE	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	CRESCENT CITY	41-58-10.4 N	124-11-16.3 W	289.3m	
2	CRESCENT CITY AIRPRT	41-46-20.4 N	124-14-05.2 W	12.5m	

**FREQUENCY PATHS**

Frequency (MHz)	ToI (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
002128.00000000	0.00100	3M50D7W	55.0		1	1	1	30.5	30.0	5.4	H	190.1	2	WPJB981

**Waivers/Conditions:** THIS AUTHORIZATION FOR ANY FACILITIES AUTHORIZED FOR FREQUENCY BETWEEN 1850 AND 2200 MHZ IS SUBJECT TO THE RULES, PROCEDURES, AND POLICIES IMPOSED BY THE



**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

## Locations Summary

Call Sign	WPJB980	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
2 Total Locations			
10 Locations per Summary Page			

### Fixed Transmit Location 1: CRESCENT CITY

Transmit Location 14 MI N OF CRESCENT CITY, CA DEL NORTE County	Coordinates	41-58-10.4 N, 124-11-16.3 W	
Site Elevation (AMSL)	289.3m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	48.8m
Support Structure Type			
Special Conditions	None		

### Other Locations

#### Location 2 : CRESCENT CITY AIRPRT

Type	Receive Location	Coordinates	41-46-20.4 N, 124-14-05.2 W
Site Elevation (AMSL)	12.5m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special	None		

## Paths Summary

Call Sign	WPJB980	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	CRESCENT CITY	Coordinates	41-58-10.4 N , 124-11-16.3 W
1 Total Path			

### Path 1 - Fixed Point-to-Point

▶	Rec. Call Sign	WPJB981		
Location	Coordinates			
CRESCENT CITY AIRPRT	41-46-20.4 N , 124-14-05.2 W			
Path Frequencies				
002128.00000000				
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.				
.				
.				
1 Total Path				

**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

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**Licensee:** CALIFORNIA RURAL SERVICE AREA 1 INC

CALIFORNIA RURAL SERVICE AREA 1 INC  
8410 WEST BRYN MAWR STE 700  
CHICAGO, IL 60631

<b>FCC Registration Number (FRN):</b> 0002703700	
<b>Call Sign:</b> WPJB981	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 02/21/2001		
<b>Effective Date</b> 02/21/2001	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/15/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

2 MI NW OF

<b>City</b> CRESCENT CITY	<b>County</b> DEL NORTE	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	CRESCENT CITY AIRPRT	41-46-20.4 N	124-14-05.2 W	12.5m	
2	CRESCENT CITY	41-58-10.4 N	124-11-16.3 W	289.3m	

**FREQUENCY PATHS**

Frequency (MHz)	ToI (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
002178.00000000	0.00100	3M50D7W	52.6		1	1	1	24.4	26.6	7.9	H	10.1	2	WPJB980

**Waivers/Conditions:** THIS AUTHORIZATION FOR ANY FACILITIES AUTHORIZED FOR FREQUENCY BETWEEN 1850 AND 2200 MHZ IS SUBJECT TO THE RULES, PROCEDURES, AND POLICIES IMPOSED BY THE COMMISSION IN ET DOCKET NO. 92-9, INCLUDING OPERATION OF A FACILITY AT 1850 TO 2200 MHZ ON A SECONDARY, NON-INTERFERENCE BASIS.

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

**Locations Summary**

Call Sign	WPJB981	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
2 Total Locations			
10 Locations per Summary Page			

<b>Fixed Transmit Location 1: CRESCENT CITY AIRPRT</b>			
Transmit Location	2 MI NW OF CRESCENT CITY, CA DEL NORTE County	Coordinates	41-46-20.4 N, 124-14-05.2 W
Site Elevation (AMSL)	12.5m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	38.1m
Support Structure Type			
Special Conditions	None		

<b>Other Locations</b>			
<b>Location 2 : CRESCENT CITY</b>			
Type	Receive Location	Coordinates	41-58-10.4 N, 124-11-16.3 W
Site Elevation (AMSL)	289.3m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

## Paths Summary

Call Sign	WPJB981	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	CRESCENT CITY AIRPRT	Coordinates	41-46-20.4 N , 124-14-05.2 W
1 Total Path			

### Path 1 - Fixed Point-to-Point

▶	Rec. Call Sign	WPJB980
Location	Coordinates	
CRESCENT CITY	41-58-10.4 N , 124-11-16.3 W	
Path Frequencies		
002178.00000000		

**Federal Communications Commission  
Wireless Telecommunications Bureau**

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Licensee: CALIFORNIA RURAL SERVICE AREA #1, INC.

ATTN UNITED STATES CELLULAR CORPORATION  
CALIFORNIA RURAL SERVICE AREA #1, INC.  
8410 W. BRYN MAWR AVE., SUITE #700  
CHICAGO, IL 60631

<b>FCC Registration Number (FRN):</b> 0002703700	
<b>Call Sign:</b> WPNN778	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 12/10/1998		
<b>Effective Date</b> 03/06/2006	<b>Expiration Date</b> 06/15/2008	<b>Print Date</b> 06/15/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

HILTON RD W OFF HWY 101

<b>City</b> ORICK	<b>County</b> HUMBOLDT	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	ORICK	41-16-44.0 N	124-05-05.0 W	207.3m	1013396
2	TRINIDAD	41-05-58.0 N	124-07-35.0 W	373.4m	
3	REQUA	41-33-18.4 N	124-04-55.2 W	236.2m	
4	RED MOUNTAIN	41-31-27.4 N	123-54-20.2 W	1300.0m	

**FREQUENCY PATHS**

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
006655.00000000	0.00100	30M0D7W	64.2		1	1	1	36.6	38.7	1.8	V	190.0	2	WPNN777
Reflectors: Ht(m) x Wd(m)														
006725.00000000	0.00100	30M0D7W	68.0	07/27/2001	3	1	1	9.1	41.0	1.4	V	28.7	4	WPOL988

Waivers/Conditions: Rule 101.109(c) and 101.147(l) relief authorized by action dated 3/3/2006, to permit use of 30 MHz bandwidth in the 6 GHz band on a channel normally reserved for 10 MHz bandwidth.

Waivers/Conditions: Rule 101.109(c) and 101.147(l) relief authorized by action dated 3/3/2006, to permit use of 30 MHz bandwidth in the 6 GHz band on a channel normally reserved for 10 MHz bandwidth.

**Waivers/Conditions:** None

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

Call Sign	WPNN778	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
4 Total Locations			
10 Locations per Summary Page			

**Fixed Transmit Location 1: ORICK**

Transmit Location	HILTON RD W OFF HWY 101 ORICK, CA HUMBOLDT County	Coordinates	41-16-44.0 N, 124-05-05.0 W
Site Elevation (AMSL)	207.3m	Height w/o Appurtenances	45.1m
ASR #	1013396	Height w/ Appurtenances	50.0m
Support Structure Type	TOWER - A free standing or guyed structure		
Special Conditions	None		

**Other Locations**

<b>Location 2 : TRINIDAD</b>			
Type	Receive Location	Coordinates	41-05-58.0 N, 124-07-35.0 W
Site Elevation (AMSL)	373.4m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

<b>Location 3 : REQUA</b>			
Type	Receive Location	Coordinates	41-33-18.4 N, 124-04-55.2 W
Site Elevation (AMSL)	236.2m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

<b>Location 4 : RED MOUNTAIN</b>			
Type	Receive Location	Coordinates	41-31-27.4 N, 123-54-20.2 W
Site Elevation (AMSL)	1300.0m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

## Paths Summary

Call Sign	WPJB981	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	CRESCENT CITY AIRPRT	Coordinates	41-46-20.4 N , 124-14-05.2 W
<b>1 Total Path</b>			

<b>Path 1 - Fixed Point-to-Point</b>			
		Rec. Call Sign	WPJB980
Location		Coordinates	
CRESCENT CITY		41-58-10.4 N , 124-11-16.3 W	
Path Frequencies			
002178.00000000			





**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

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Licensee: California Rural Service Area #1 Inc.

ATTN United States Cellular Corporation  
California Rural Service Area #1 Inc.  
8410 W. Bryn Mawr Ave., Suite #700  
Chicago, IL 60631

<b>FCC Registration Number (FRN):</b> 0002703700	
<b>Call Sign:</b> WPOL988	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 01/27/2000		
<b>Effective Date</b> 03/06/2006	<b>Expiration Date</b> 01/27/2010	<b>Print Date</b> 06/15/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

Near Lookout Tower on top of Red Mtn 5 mi E of

<b>City</b> Klamath Glen	<b>County</b> DEL NORTE	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	Red Mountain	41-31-27.4 N	123-54-20.2 W	1300.0m	
2	CAMP 6	41-49-49.4 N	123-52-36.3 W	1151.2m	
3	Orick	41-16-44.0 N	124-05-05.0 W	207.3m	

**FREQUENCY PATHS**

Frequency (MHz)	ToI (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg No.	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
006093.45000000	0.00100	30M0D7W	68.0	07/27/2001	1	1	1	6.1	41.0	1.4	V	4.0	2	WPOL989
006555.00000000	0.00100	30M0D7W	68.0	07/27/2001	2	1	1	9.1	41.0	1.4	V	208.9	3	WPNN778

Waivers/Conditions: Rule 101.109(c) and 101.147(l) relief authorized by action dated 3/3/2006, to permit use of 30 MHz bandwidth in the 6 GHz band on a channel normally reserved for 10 MHz bandwidth.

**Waivers/Conditions:** None

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

## Locations Summary

Call Sign	WPOL988	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>3 Total Locations</b>			
10 Locations per Summary Page			

### Fixed Transmit Location 1: Red Mountain

Transmit Location Near Lookout Tower on top of Red Mtn 5 mi E of Klamath Glen, CA DEL NORTE County	Coordinates	41-31-27.4 N, 123-54-20.2 W	
Site Elevation (AMSL)	1300.0m	Height w/o Appurtenances	24.3m
ASR #	N/A	Height w/ Appurtenances	28.7m
Support Structure Type	TOWER - A free standing or guyed structure		
Special Conditions	None		

### Other Locations

#### Location 2 : CAMP 6

Type	Receive Location	Coordinates	41-49-49.4 N, 123-52-36.3 W
Site Elevation (AMSL)	1151.2m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

Location 3 : Orick			
Type	Receive Location	Coordinates	41-16-44.0 N, 124-05-05.0 W
Site Elevation (AMSL)	207.3m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

## Paths Summary

Call Sign	WPOL988	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	Red Mountain	Coordinates	41-31-27.4 N , 123-54-20.2 W
2 Total Paths			

Path 1 - Fixed Point-to-Point	
▶	Rec. Call Sign WPOL989
Location	Coordinates
CAMP 6	41-49-49.4 N , 123-52-36.3 W
Path Frequencies	
006093.45000000	

Path 2 - Fixed Point-to-Point	
▶	Rec. Call Sign WPNN778
Location	Coordinates
Orick	41-16-44.0 N , 124-05-05.0 W
Path Frequencies	
006555.00000000	

2 Total Paths

**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

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Licensee: California Rural Service Area #1, Inc.

ATTN United States Cellular Corporation  
California Rural Service Area #1, Inc.  
8410 W. Bryn Mawr Ave., Suite #700  
Chicago, IL 60631

<b>FCC Registration Number (FRN):</b> 0002703700	
<b>Call Sign:</b> WPOL989	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 01/27/2000		
<b>Effective Date</b> 01/04/2006	<b>Expiration Date</b> 01/27/2010	<b>Print Date</b> 06/15/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

5 Miles SE of Gasquet

<b>City</b> Gasquet	<b>County</b> DEL NORTE	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	Camp 6	41-49-49.4 N	123-52-36.3 W	1151.2m	1225081
2	Red Mountain	41-31-27.4 N	123-54-20.2 W	1300.0m	
3	Crescent City DT	41-45-19.7 N	124-11-30.5 W	4.3m	

**FREQUENCY PATHS**

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
006345.49000000	0.00100	30M0D7W	68.0	07/27/2001	1	1	1	10.7	41.0	1.4	V	184.1	2	WPOL988
006197.24000000	0.00100	30M0D7W	68.0	07/11/2003	2	1	1	18.3	41.0	1.4	H	252.5	3	WPOM431

**Waivers/Conditions:** None

<b>Conditions</b>
-------------------

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

## Locations Summary

Call Sign	WPOL989	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>3 Total Locations</b>			
10 Locations per Summary Page			

Fixed Transmit Location 1: Camp 6			
Transmit Location	5 Miles SE of Gasquet Gasquet, CA DEL NORTE County	Coordinates	41-49-49.4 N, 123-52-36.3 W
Site Elevation (AMSL)	1151.2m	Height w/o Appurtenances	18.3m
ASR #	1225081	Height w/ Appurtenances	18.3m
Support Structure Type	TOWER - A free standing or guyed structure		
Special Conditions	None		

Other Locations			
Location 2 : Red Mountain			
Type	Receive Location	Coordinates	41-31-27.4 N, 123-54-20.2 W
Site Elevation (AMSL)	1300.0m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

<b>Location 3 : Crescent City DT</b>			
Type	Receive Location	Coordinates	41-45-19.7 N, 124-11-30.5 W
Site Elevation (AMSL)	4.3m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

## Paths Summary

Call Sign	WPOL989	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	Camp 6	Coordinates	41-49-49.4 N , 123-52-36.3 W
<b>2 Total Paths</b>			

### Path 1 - Fixed Point-to-Point

▶	Rec. Call Sign	WPOL988	
Location	Coordinates		
Red Mountain	41-31-27.4 N , 123-54-20.2 W		
Path Frequencies			
006345.49000000			

### Path 2 - Fixed Point-to-Point

▶	Rec. Call Sign	WPOM431	
Location	Coordinates		
Crescent City DT	41-45-19.7 N , 124-11-30.5 W		
Path Frequencies			
006197.24000000			



**Federal Communications Commission  
Wireless Telecommunications Bureau**

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**Licensee:** California Rural Service Area #1, Inc.

ATTN United States Cellular Corporation  
California Rural Service Area #1, Inc.  
8410 W. Bryn Mawr Ave., Suite #700  
Chicago, IL 60631

<b>FCC Registration Number (FRN):</b> 0002703700	
<b>Call Sign:</b> WPOM431	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 02/18/2000		
<b>Effective Date</b> 01/03/2006	<b>Expiration Date</b> 02/18/2010	<b>Print Date</b> 06/15/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

1621 FIFTH STREET

<b>City</b> CRESCENT CITY	<b>County</b> DEL NORTE	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	Crescent City DT	41-45-19.7 N	124-11-30.5 W	4.3m	1064431
2	Camp 6	41-49-49.4 N	123-52-36.3 W	1151.2m	
3	PELICAN BAY	41-50-55.6 N	124-08-02.2 W	97.2m	

**FREQUENCY PATHS**

Frequency (MHz)	ToI (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
005945.20000000	0.00100	30M0D7W	66.5	08/18/2001	1	1	1	45.7	41.0	1.4	H	72.3	2	WPOL989
006655.62500000	0.00100	3M75D7W	64.7	03/09/2005	2	1	1	30.5	38.7	1.8	V	24.9	3	

**Waivers/Conditions:** None

**Conditions**  
Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is

subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

## Locations Summary

Call Sign	WPOM431	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>3 Total Locations</b>			
10 Locations per Summary Page			

### Fixed Transmit Location 1: Crescent City DT

Transmit Location 1621 FIFTH STREET CRESCENT CITY, CA DEL NORTE County	Coordinates	41-45-19.7 N, 124-11-30.5 W	
Site Elevation (AMSL)	4.3m	Height w/o Appurtenances	45.7m
ASR #	1064431	Height w/ Appurtenances	50.3m
Support Structure Type	TOWER - A free standing or guyed structure		
Special Conditions	None		

### Other Locations

#### Location 2 : Camp 6

Type	Receive Location	Coordinates	41-49-49.4 N, 123-52-36.3 W
Site Elevation (AMSL)	1151.2m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

#### Location 3 : PELICAN BAY

Type	Receive Location	Coordinates	41-50-55.6 N, 124-08-02.2 W
Site Elevation (AMSL)	97.2m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

## Paths Summary

Call Sign	WPOM431	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	Crescent City DT	Coordinates	41-45-19.7 N , 124-11-30.5 W
2 Total Paths			

### Path 1 - Fixed Point-to-Point

▶	Rec. Call Sign	WPOL989
Location	Coordinates	
Camp 6	41-49-49.4 N , 123-52-36.3 W	
Path Frequencies		
005945.20000000		

### Path 2 - Fixed Point-to-Point

▶	Rec. Call Sign	
Location	Coordinates	
PELICAN BAY	41-50-55.6 N , 124-08-02.2 W	
Path Frequencies		
006655.62500000		

**Federal Communications Commission  
Wireless Telecommunications Bureau**

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**Licensee:** CALIFORNIA RURAL SERVICE AREA #1, INC.

ATTN UNITED STATES CELLULAR CORPORATION  
CALIFORNIA RURAL SERVICE AREA #1, INC.  
8410 W. BRYN MAWR AVE., SUITE #700  
CHICAGO, IL 60631

<b>FCC Registration Number (FRN):</b> 0002703700	
<b>Call Sign:</b> WPYM516	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 09/09/2003		
<b>Effective Date</b> 09/09/2003	<b>Expiration Date</b> 09/09/2013	<b>Print Date</b> 06/15/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

King's Road

<b>City</b> Crescent City	<b>County</b> DEL NORTE	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	PELICAN BAY	41-50-55.6 N	124-08-02.2 W	97.2m	1239750
2	CRESCENT CITY DT	41-45-19.7 N	124-11-30.5 W	4.3m	

**FREQUENCY PATHS**

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
006815.62500000	0.00100	3M75D7W	64.2	03/09/2005	1	1	1	38.1	38.7	1.8	V	204.9	2	WPOM431

**Waivers/Conditions:** None

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in

## Locations Summary

Call Sign	WPYM516	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>2 Total Locations</b>			
10 Locations per Summary Page			

<b>Fixed Transmit Location 1: PELICAN BAY</b>			
Transmit Location King's Road Crescent City, CA DEL NORTE County		Coordinates	41-50-55.6 N, 124-08-02.2 W
Site Elevation (AMSL)	97.2m	Height w/o Appurtenances	54.9m
ASR #	1239750	Height w/ Appurtenances	59.4m
Support Structure Type	TOWER - A free standing or guyed structure		
Special Conditions	None		

<b>Other Locations</b>			
<b>Location 2 : CRESCENT CITY DT</b>			
Type	Receive Location	Coordinates	41-45-19.7 N, 124-11-30.5 W
Site Elevation (AMSL)	4.3m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

## Paths Summary

Call Sign	WPYM516	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	PELICAN BAY	Coordinates	41-50-55.6 N , 124-08-02.2 W
1 Total Path			

**Path 1 - Fixed Point-to-Point**

▶		Rec. Call Sign	WPOM431
Location		Coordinates	
CRESCENT CITY DT		41-45-19.7 N , 124-11-30.5 W	

Path Frequencies	
006815.62500000	

**Federal Communications Commission  
Wireless Telecommunications Bureau**

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**Licensee:** CALIFORNIA RURAL SERVICE AREA #1, INC.

ATTN UNITED STATES CELLULAR CORPORATION  
CALIFORNIA RURAL SERVICE AREA #1, INC.  
8410 WEST BRYN MAWR, STE 700  
CHICAGO, IL 60631

<b>FCC Registration Number (FRN):</b> 0002703700	
<b>Call Sign:</b> WQFA779	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 06/02/2006		
<b>Effective Date</b> 06/02/2006	<b>Expiration Date</b> 06/02/2016	<b>Print Date</b> 06/15/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

252 King Street

<b>City</b> Brookings	<b>County</b> CURRY	<b>State</b> OR
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	BROOKINGS	42-03-00.3 N	124-17-04.4 W	35.4m	1207910
2	CRESCENT CITY	41-58-10.4 N	124-11-16.3 W	289.3m	

**FREQUENCY PATHS**

Frequency (MHz)	ToI (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
011325.00000000	0.00100	30M0D7W	64.7	12/02/2007	1	1	1	24.4	46.2	0.8	V	138.1	2	WPJB980

**Waivers/Conditions:** None

**Conditions**  
Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in

## Locations Summary

Call Sign	WQFA779	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>2 Total Locations</b>			
10 Locations per Summary Page			

<b>Fixed Transmit Location 1: BROOKINGS</b>			
Transmit Location 252 King Street Brookings, OR CURRY County		Coordinates	42-03-00.3 N, 124-17-04.4 W
Site Elevation (AMSL)	35.4m	Height w/o Appurtenances	30.5m
ASR #	1207910	Height w/ Appurtenances	35.1m
Support Structure Type	TOWER - A free standing or guyed structure		
Special Conditions	None		

<b>Other Locations</b>			
<b>Location 2 : CRESCENT CITY</b>			
Type	Receive Location	Coordinates	41-58-10.4 N, 124-11-16.3 W
Site Elevation (AMSL)	289.3m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

## Paths Summary



Call Sign	WQFA779	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	BROOKINGS	Coordinates	42-03-00.3 N , 124-17-04.4 W
1 Total Path			

**Path 1 - Fixed Point-to-Point**

▶	Rec. Call Sign	WPJB980
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Location	Coordinates
CRESCENT CITY	41-58-10.4 N , 124-11-16.3 W

**Path Frequencies**

011325.00000000					
.	.	.	.	.	.

Verizon

KML48

Federal Communications Commission  
Wireless Telecommunications Bureau

Radio Station Authorization (Reference Copy)

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Licensee: Verizon West Coast, Inc.

ATTN MC:HQE02N65  
Verizon West Coast, Inc.  
PO Box 152092  
IRVING, TX 75015-2092

<b>FCC Registration Number (FRN):</b> 0001583228	
<b>Call Sign:</b> KML48	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 01/03/2001			
<b>Effective Date</b> 03/16/2005	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/12/2006	

LOCATION

Fixed Location Address or Area of Operation

356 H ST

<b>City</b> CRESCENT CITY	<b>County</b> DEL NORTE	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	CRESCENT CITY	41-45-08.4 N	124-11-54.2 W	4.6m	
2	KLAMATH	41-33-31.4 N	124-05-12.2 W	243.8m	
3	PRBT	42-07-35.3 N	124-13-38.3 W	632.2m	

FREQUENCY PATHS

Frequency (MHz)	ToI (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg No.	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
005974.85000000	0.00500	30M0F7W	72.1		1	1	1	14.0	41.3	1.5	V	156.6	2	KML49
006093.45000000	0.00500	30M0F7W	72.1		1	1	1	14.0	41.3	1.5	V	156.6	2	KML49
005982.26000000	0.02000	25M4F8W	72.1		2	1	1	16.8	41.3	1.5	H	356.7	3	KPF73
006100.86200000	0.02000	25M4F8W	72.1		2	1	1	16.8	41.3	1.5	H	356.7	3	KPF73

Reflector  
Ht(m) x  
Wd(m)

006123.10000000	0.00500	30M0D9W	77.3		3	1	1	14.0	41.3	1.5	H	156.6	2	KML49
006004.50000000	0.00500	30M0D9W	74.3		4	1	1	14.0	41.3	1.6	H	156.6	2	KML49
006545.62500000	0.00100	3M75D7W	71.0	10/24/2003	5	1	1	15.5	44.0	1.0	V	356.7	3	KPF73
006034.15000000	0.00100	30M0D7W	69.3	02/24/2006	6	1	1	10.6	41.3	1.4	V	156.5	2	KML49

**Waivers/Conditions:** None

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

Call Sign	KML48	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>3 Total Locations</b>			
10 Locations per Summary Page			

**Fixed Transmit Location 1: CRESCENT CITY**

Transmit Location 356 H ST CRESCENT CITY, CA DEL NORTE County	Coordinates	41-45-08.4 N, 124-11-54.2 W	
Site Elevation (AMSL)	4.6m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	24.1m
Support Structure Type			
Special Conditions	None		

**Other Locations**

**Location 2 : KLAMATH**

Type	Receive Location	Coordinates	41-33-31.4 N, 124-05-12.2 W
Site Elevation (AMSL)	243.8m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

<b>Location 3 : PRBT</b>			
Type	Receive Location	Coordinates	42-07-35.3 N, 124-13-38.3 W
Site Elevation (AMSL)	632.2m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		
<b>3 Total Locations</b>			
10 Locations per Summary Page			

## Paths Summary

Call Sign	KML48	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	CRESCENT CITY	Coordinates	41-45-08.4 N , 124-11-54.2 W
<b>6 Total Paths</b>			

<b>Path 1 - Fixed Point-to-Point</b>			
▶	Rec. Call Sign	KML49	
Location	Coordinates		
KLAMATH	41-33-31.4 N , 124-05-12.2 W		
Path Frequencies			
005974.85000000		006093.45000000	

<b>Path 2 - Fixed Point-to-Point</b>			
▶	Rec. Call Sign	KPF73	
Location	Coordinates		
PRBT	42-07-35.3 N , 124-13-38.3 W		

Path Frequencies					
005982.26000000		006100.86200000			

**Path 3 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML49			
Location		Coordinates			
KLAMATH		41-33-31.4 N , 124-05-12.2 W			

Path Frequencies					
006123.10000000					

**Path 4 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML49			
Location		Coordinates			
KLAMATH		41-33-31.4 N , 124-05-12.2 W			

Path Frequencies					
006004.50000000					

**Path 5 - Fixed Point-to-Point**

▶	Rec. Call Sign	KPF73			
Location		Coordinates			
PRBT		42-07-35.3 N , 124-13-38.3 W			

Path Frequencies					
006545.62500000					

**Path 6 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML49			
Location		Coordinates			
KLAMATH		41-33-31.4 N , 124-05-12.2 W			

Path Frequencies					
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006034.15000000

006034.15000000					
<b>6 Total Paths</b>					

**Federal Communications Commission  
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**Licensee:** Verizon West Coast, Inc.

ATTN MC:HQE02N65  
Verizon West Coast, Inc.  
PO Box 152092  
IRVING, TX 75015-2092

<b>FCC Registration Number (FRN):</b> 0001583228	
<b>Call Sign:</b> KML49	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 01/03/2001		
<b>Effective Date</b> 03/16/2005	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/12/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

USAF SITE Z33

<b>City</b> KLAMATH	<b>County</b> DEL NORTE	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	KLAMATH	41-33-31.4 N	124-05-12.2 W	243.8m	
2	ORICK	41-16-49.4 N	124-05-04.2 W	198.1m	
3	CRESCENT CITY	41-45-08.4 N	124-11-54.2 W	4.6m	

**FREQUENCY PATHS**

Frequency (MHz)	ToI (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
006226.89000000	0.00500	30M0D9W	77.3		1	1	1	13.4	41.3	1.5	H	179.7	2	KML50
006286.19000000	0.00500	30M0D9W	77.3		2	1	1	13.4	41.3	1.5	H	336.7	3	KML48
006256.54000000	0.00500	30M0F7W	72.1		3	1	1	13.4	41.3	1.5	V	179.7	2	KML50
006375.14000000	0.00500	30M0F7W	72.1		3	1	1	13.4	41.3	1.5	V	179.7	2	KML50
006345.49000000	0.00500	30M0F7W	72.1		4	1	1	13.4	41.3	1.5	V	336.7	3	KML48

Reflector  
Ht(m) x  
Wd(m)

006404.79000000	0.00500	30M0F7W	72.1		4	1	1	13.4	41.3	1.5	V	336.7	3	KML48
006375.14000000	0.00500	30M0D9W	74.3		5	1	1	13.4	41.3	1.6	H	336.6	3	KML48
006345.49000000	0.00500	30M0D9W	74.3		6	1	1	13.4	41.3	1.6	H	179.7	2	KML50
006197.24000000	0.00100	30M0D7W	69.3	02/24/2006	7	1	1	10.9	41.3	1.4	V	336.6	3	KML48
006197.24000000	0.00100	30M0D7W	69.3	02/24/2006	8	1	1	23.1	41.3	1.4	V	179.6	2	KML50
006226.89000000	0.00100	30M0D7W	69.3	02/24/2006	9	1	1	23.1	41.3	1.4	H	179.6	2	KML50
006256.54000000	0.00100	30M0D7W	69.3	02/24/2006	10	1	1	23.1	41.3	1.4	V	179.6	2	KML50
006345.49000000	0.00100	30M0D7W	69.3	02/24/2006	11	1	1	23.1	41.3	1.4	H	179.6	2	KML50

**Waivers/Conditions:** None

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

Call Sign	KML49	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>3 Total Locations</b>			
10 Locations per Summary Page			

**Fixed Transmit Location 1: KLAMATH**

Transmit Location	USAF SITE Z33 KLAMATH, CA DEL NORTE County	Coordinates	41-33-31.4 N, 124-05-12.2 W
Site Elevation (AMSL)	243.8m	Height w/o Appurtenances	24.4m
ASR #	N/A	Height w/ Appurtenances	24.4m
Support Structure Type	MAST - Self-support structure		
Special Conditions	None		

**Other Locations**

<b>Location 2 : ORICK</b>			
Type	Receive Location	Coordinates	41-16-49.4 N, 124-05-04.2 W
Site Elevation (AMSL)	198.1m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure			



Type			
Special Conditions	None		
<b>Location 3 : CRESCENT CITY</b>			
Type	Receive Location	Coordinates	41-45-08.4 N, 124-11-54.2 W
Site Elevation (AMSL)	4.6m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

## Paths Summary

Call Sign	KML49	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	KLAMATH	Coordinates	41-33-31.4 N , 124-05-12.2 W
<b>11 Total Paths</b>			

1 [2](#) [[Next >>](#)]

### Path 1 - Fixed Point-to-Point

▶	Rec. Call Sign	KML50	
Location	Coordinates		
ORICK	41-16-49.4 N , 124-05-04.2 W		
Path Frequencies			
006226.89000000			

### Path 2 - Fixed Point-to-Point

▶	Rec. Call Sign	KML48	
Location	Coordinates		
CRESCENT CITY	41-45-08.4 N , 124-11-54.2 W		

Path Frequencies					
006286.19000000					

**Path 3 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML50			
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Location	Coordinates
ORICK	41-16-49.4 N , 124-05-04.2 W

Path Frequencies					
006256.54000000			006375.14000000		

**Path 4 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML48			
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Location	Coordinates
CRESCENT CITY	41-45-08.4 N , 124-11-54.2 W

Path Frequencies					
006345.49000000			006404.79000000		

**Path 5 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML48			
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Location	Coordinates
CRESCENT CITY	41-45-08.4 N , 124-11-54.2 W

Path Frequencies					
006375.14000000					

**Path 6 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML50			
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Location	Coordinates
ORICK	41-16-49.4 N , 124-05-04.2 W

Path Frequencies					
006345.49000000					

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**Path 7 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML48
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Location	Coordinates
CRESCENT CITY	41-45-08.4 N , 124-11-54.2 W

Path Frequencies
006197.24000000

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**Path 8 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML50
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Location	Coordinates
ORICK	41-16-49.4 N , 124-05-04.2 W

Path Frequencies
006197.24000000

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**Path 9 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML50
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Location	Coordinates
ORICK	41-16-49.4 N , 124-05-04.2 W

Path Frequencies
006226.89000000

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**Path 10 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML50
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Location	Coordinates
ORICK	41-16-49.4 N , 124-05-04.2 W

Path Frequencies
006256.54000000

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**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

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**Licensee:** Verizon West Coast, Inc.

ATTN MC:HQE02N65  
Verizon West Coast, Inc.  
PO Box 152092  
IRVING, TX 75015-2092

<b>FCC Registration Number (FRN):</b> 0001583228	
<b>Call Sign:</b> KML50	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 01/03/2001		
<b>Effective Date</b> 03/16/2005	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/12/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

HILTONS RANCH

<b>City</b> ORICK	<b>County</b> HUMBOLDT	<b>State</b> CA
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	ORICK	41-16-49.4 N	124-05-04.2 W	198.1m	
2	WALKERS HIL	41-05-57.4 N	124-07-36.2 W	368.8m	
3	KLAMATH	41-33-31.4 N	124-05-12.2 W	243.8m	

**FREQUENCY PATHS**

Frequency (MHz)	ToI (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
005945.20000000	0.00500	30M0F7W	72.1		1	1	1	11.3	41.3	1.5	V	190.0	2	WLC855
006063.80000000	0.00500	30M0F7W	72.1		1	1	1	11.3	41.3	1.5	V	190.0	2	WLC855
005945.20000000	0.00500	30M0D9W	79.2		2	1	1	11.3	43.2	1.2	H	359.7	3	KML49
006004.50000000	0.00500	30M0D9W	77.3		3	1	1	11.3	41.3	1.5	H	190.0	2	WLC855
006004.50000000	0.00500	30M0F7W	74.0		4	1	1	11.3	43.2	1.2	V	359.7	3	KML49

Reflector  
Ht(m) x  
Wd(m)

006123.10000000	0.00500	30M0F7W	74.0		4	1	1	11.3	43.2	1.2	V	359.7	3	KML49
006034.15000000	0.00500	30M0D9W	76.2		5	1	1	11.3	43.2	1.4	H	359.7	3	KML49
005945.20000000	0.00100	30M0D7W	69.3	02/24/2006	6	1	1	17.0	41.3	1.4	H	359.6	3	KML49
006004.50000000	0.00100	30M0D7W	69.3	02/24/2006	7	1	1	17.0	41.3	1.4	V	359.6	3	KML49
006034.15000000	0.00100	30M0D7W	69.3	02/24/2006	8	1	1	17.0	41.3	1.4	H	359.6	3	KML49
006157.75000000	0.00100	30M0D7W	69.3	02/24/2006	9	1	1	17.0	41.3	1.4	H	359.6	3	KML49
006093.45000000	0.00100	30M0D7W	69.3	02/24/2006	10	1	1	7.9	41.3	1.4	H	190.0	2	WLC855

**Waivers/Conditions:** None

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

Call Sign	KML50	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>3 Total Locations</b>			
10 Locations per Summary Page			

**Fixed Transmit Location 1: ORICK**

Transmit Location HILTONS RANCH ORICK, CA HUMBOLDT County	Coordinates	41-16-49.4 N, 124-05-04.2 W	
Site Elevation (AMSL)	198.1m	Height w/o Appurtenances	18.3m
ASR #	N/A	Height w/ Appurtenances	18.3m
Support Structure Type	MAST - Self-support structure		
Special Conditions	None		

**Other Locations**

<b>Location 2 : WALKERS HIL</b>			
Type	Receive Location	Coordinates	41-05-57.4 N, 124-07-36.2 W
Site Elevation (AMSL)	368.8m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			

Special Conditions	None		

**Location 3 : KLAMATH**

Type	Receive Location	Coordinates	41-33-31.4 N, 124-05-12.2 W
Site Elevation (AMSL)	243.8m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			

Special Conditions	None		

<b>3</b> Total Locations	
10 Locations per Summary Page	

## Paths Summary

Call Sign	KML50	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	ORICK	Coordinates	41-16-49.4 N , 124-05-04.2 W
<b>10</b> Total Paths			

**Path 1 - Fixed Point-to-Point**

▶	Rec. Call Sign	WLC855	
Location	Coordinates		
WALKERS HIL	41-05-57.4 N , 124-07-36.2 W		
Path Frequencies			
005945.20000000	006063.80000000		

**Path 2 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML49	
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Location	Coordinates
KLAMATH	41-33-31.4 N , 124-05-12.2 W

Path Frequencies
005945.20000000

**Path 3 - Fixed Point-to-Point**

▶	Rec. Call Sign	WLC855
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Location	Coordinates
WALKERS HIL	41-05-57.4 N , 124-07-36.2 W

Path Frequencies
006004.50000000

**Path 4 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML49
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Location	Coordinates
KLAMATH	41-33-31.4 N , 124-05-12.2 W

Path Frequencies	
006004.50000000	006123.10000000

**Path 5 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML49
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Location	Coordinates
KLAMATH	41-33-31.4 N , 124-05-12.2 W

Path Frequencies
006034.15000000

**Path 6 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML49
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Location	Coordinates
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KLAMATH	41-33-31.4 N , 124-05-12.2 W
Path Frequencies	
005945.20000000	

**Path 7 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML49
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Location	Coordinates
KLAMATH	41-33-31.4 N , 124-05-12.2 W

Path Frequencies	
006004.50000000	

**Path 8 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML49
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Location	Coordinates
KLAMATH	41-33-31.4 N , 124-05-12.2 W

Path Frequencies	
006034.15000000	

**Path 9 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML49
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Location	Coordinates
KLAMATH	41-33-31.4 N , 124-05-12.2 W

Path Frequencies	
006157.75000000	

**Path 10 - Fixed Point-to-Point**

▶	Rec. Call Sign	WLC855
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Location	Coordinates
WALKERS HIL	41-05-57.4 N , 124-07-36.2 W

Path Frequencies

006093.45000000

-	-	-	-	-	-
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**10** Total Paths

KPF73

**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

**This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.**

**Licensee:** Verizon Northwest Inc.

ATTN HQE02N65  
Verizon Northwest Inc.  
PO Box 152092  
152092, TX 75015-2092

<b>FCC Registration Number (FRN):</b> 0001583244	
<b>Call Sign:</b> KPF73	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 01/03/2001		
<b>Effective Date</b> 03/16/2005	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/12/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

5.8 MI NW OF BRKGS

<b>City</b> BROOKINGS	<b>County</b> CURRY	<b>State</b> OR
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Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	PRBT	42-07-35.3 N	124-13-38.3 W	632.2m	
2	HARBOR %	42-03-07.3 N	124-14-12.3 W	411.5m	
3	GRIZZLY MT	42-23-49.3 N	124-21-54.3 W	713.2m	
4	CRSNT CITY	41-45-08.4 N	124-11-54.2 W	4.6m	
5	BKNG	42-03-04.4 N	124-16-44.3 W	38.1m	

**FREQUENCY PATHS**

Frequency (MHz)	ToI (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
006234.30000000	0.02000	25M4F8W	72.3		1	1	1	7.9	41.3	1.4	H	176.7	4	KML48
006352.90000000	0.02000	25M4F8W	73.1		1	1	1	7.9	41.3	1.4	H	176.7	4	KML48
006308.42750000	0.00500	30M0D9W	72.8		2	1	1	13.7		2.0	H	185.4	2	KYO55

Reflector  
Ht(m) x  
Wd(m)

					2	2	7.0	9.1	9.8	H	268.5	5	KYO55
006397.37750000	0.00500	30M0D9W	72.8		2	1	13.7		2.0	H	185.4	2	KYO55
					2	2	7.0	9.1	9.8	H	268.5	5	KYO55
006323.25250000	0.00500	30M0D9W	77.1		3	1	13.7		1.4	V	339.3	3	KPF72
006715.62500000	0.00100	3M75D7W	71.0	10/24/2003	4	1	10.6	44.0	1.0	V	176.7	4	KML48

**Waivers/Conditions:** None

**Conditions**

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Call Sign	KPF73	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
5 Total Locations			
10 Locations per Summary Page			

**Fixed Transmit Location 1: PRBT**

Transmit Location	5.8 MI NW OF BRKGS BROOKINGS, OR CURRY County	Coordinates	42-07-35.3 N, 124-13-38.3 W
Site Elevation (AMSL)	632.2m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	15.2m
Support Structure Type			
Special Conditions	None		

**Other Locations**

<b>Location 2 : HARBOR %</b>			
Type	Passive Repeater Location	Coordinates	42-03-07.3 N, 124-14-12.3 W
Site Elevation (AMSL)	411.5m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	11.6m
Support Structure Type			
Special	None		

Conditions			
<b>Location 3 : GRIZZLY MT</b>			
Type	Receive Location	Coordinates	42-23-49.3 N, 124-21-54.3 W
Site Elevation (AMSL)	713.2m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		
<b>Location 4 : CRSNT CITY</b>			
Type	Receive Location	Coordinates	41-45-08.4 N, 124-11-54.2 W
Site Elevation (AMSL)	4.6m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		
<b>Location 5 : BKNG</b>			
Type	Receive Location	Coordinates	42-03-04.4 N, 124-16-44.3 W
Site Elevation (AMSL)	38.1m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

<b>5 Total Locations</b> 10 Locations per Summary Page
---

Call Sign	KPF73	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	PRBT	Coordinates	42-07-35.3 N , 124-13-38.3 W
<b>4 Total Paths</b>			

**Path 1 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML48
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Location	Coordinates
CRSNT CITY	41-45-08.4 N , 124-11-54.2 W

Path Frequencies					
006234.30000000		006352.90000000			
.	.	.	.	.	.

**Path 2 - Fixed Point-to-Point**

▶	Rec. Call Sign	KYO55
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Location	Coordinates
HARBOR %	42-03-07.3 N , 124-14-12.3 W
BKNG	42-03-04.4 N , 124-16-44.3 W

Path Frequencies					
006308.42750000		006397.37750000			
.	.	.	.	.	.

**Path 3 - Fixed Point-to-Point**

▶	Rec. Call Sign	KPF72
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Location	Coordinates
GRIZZLY MT	42-23-49.3 N , 124-21-54.3 W

Path Frequencies					
006323.25250000					
.	.	.	.	.	.

**Path 4 - Fixed Point-to-Point**

▶	Rec. Call Sign	KML48
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Location	Coordinates
CRSNT CITY	41-45-08.4 N , 124-11-54.2 W
Path Frequencies	
006715.62500000	
4 Total Paths	

KZA84

Federal Communications Commission  
Wireless Telecommunications Bureau

Radio Station Authorization (Reference Copy)

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Licensee: Verizon California Inc.

ATTN HQE02N53  
Verizon California Inc.  
PO Box 152092  
Irving, TX 75015-2092

<b>FCC Registration Number (FRN):</b> 0001536424	
<b>Call Sign:</b> KZA84	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FX5

<b>Grant Date</b> 01/03/2001		
<b>Effective Date</b> 09/22/2005	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/12/2006

LOCATION

Fixed Location Address or Area of Operation

Statewide

City	County	State
		CA

Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1		--	--		

FREQUENCY PATHS

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
002110.00000000-002130.00000000		00M0F7W			1	1	1	6.1					1	KZA84
002160.00000000-002180.00000000		00M0F7W			1	1	1	6.1					1	KZA84
003700.00000000-004200.00000000		00M0F7W			1	1	1	6.1					1	KZA84
005925.00000000-006425.00000000		00M0F7W			1	1	1	6.1					1	KZA84
010700.00000000-		00M0F7W			1	1	1	6.1					1	KZA84

Reflector  
Ht(m) x  
Wd(m)



011700.00000000									
017700.00000000- 018820.00000000	00M0F7W	1	1	1	6.1	S	1	KZA84	
018920.00000000- 019160.00000000	00M0F7W	1	1	1	6.1	S	1	KZA84	
019260.00000000- 019700.00000000	00M0F7W	1	1	1	6.1	S	1	KZA84	
021200.00000000- 022000.00000000	00M0F7W	1	1	1	6.1	S	1	KZA84	
022000.00000000- 023600.00000000	00M0F7W	1	1	1	6.1	S	1	KZA84	

**Waivers/Conditions:** OPERATIONS WITHIN 35 MILES OF THE CANADIAN BORDER ARE NOT AUTHORIZED.

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

Call Sign	KZA84	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>1 Total Location</b>			
10 Locations per Summary Page			

**Mobile Transmit Location 1:**

Operating Statewide: CA			
Special Conditions	None		
<b>1 Total Location</b>			
10 Locations per Summary Page			

**Paths Summary**

Call Sign	KZA84	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter		Coordinates	- - , - -
<b>1 Total Path</b>			
<b>Path 1 - Area</b>			
▶	Rec. Call Sign	KZA84	

Path Frequencies

002110.00000000-002130.00000000	002160.00000000-002180.00000000	003700.00000000-004200.00000000
005925.00000000-006425.00000000	010700.00000000-011700.00000000	017700.00000000-018820.00000000
018920.00000000-019160.00000000	019260.00000000-019700.00000000	021200.00000000-022000.00000000
022000.00000000-023600.00000000		

1 Total Path

WAX78

**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

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Licensee: Verizon California Inc.

ATTN HQE02N53  
Verizon California Inc.  
PO Box 152092  
Irving, TX 75015-2092

<b>FCC Registration Number (FRN):</b> 0001536424	
<b>Call Sign:</b> WAX78	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FX5

<b>Grant Date</b> 03/09/2001		
<b>Effective Date</b> 09/22/2005	<b>Expiration Date</b> 02/01/2011	<b>Print Date</b> 06/12/2006

**LOCATION**

**Fixed Location Address or Area of Operation**

Statewide

City	County	State
		CA

Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1		--	--		

**FREQUENCY PATHS**

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
010550.00000000-010630.00000000					1	1	1	6.1			S		1	WAX78
021200.00000000-023600.00000000					1	1	1	6.1			S		1	WAX78
027500.00000000-029500.00000000					1	1	1	6.1			S		1	WAX78
031000.00000000-031300.00000000					1	1	1	6.1			S		1	WAX78
038600.00000000-					1	1	1	6.1			S		1	WAX78

**Waivers/Conditions:** This authorization is secondary to fixed point-to-point authorizations and to authorizations which were awarded through a competitive bidding process. Each use of facilities under this authorization must be prior coordinated with existing users and applicants in accordance with 101.103(d) of the Commission's Rules. Pursuant to 101.31 no station under this authorization may remain at the same location for a period of more than 6 months. No right to the use of the frequency beyond 6 months is conveyed by operation under this authorization, unless an application for permanent authorization has been filed with the Commission.

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

Call Sign	WAX78	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>1 Total Location</b>			
10 Locations per Summary Page			

**Mobile Transmit Location 1:**

Operating Statewide: CA			
Special Conditions	None		
<hr/>			
<b>1 Total Location</b>			
10 Locations per Summary Page			

Call Sign	WAX78	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter		Coordinates	- - , - -
<b>1 Total Path</b>			

**Path 1 - Area**

▶		Rec. Call Sign	WAX78
Path Frequencies			
010550.00000000-010630.00000000	021200.00000000-023600.00000000	027500.00000000-029500.00000000	
031000.00000000-031300.00000000	038600.00000000-040000.00000000		
<b>1 Total Path</b>			

**WPOS872**

Call Sign	WPOS872	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Status	Active	Auth Type	Regular
<b>Dates</b>			
Grant	04/23/1999	Expiration	04/23/2009
Effective	03/10/2006	Cancellation	
<b>Control Points</b>			
<b>1</b>	2212 Second Street, HUMBOLDT, Eureka, CA P: (707)444-2255		

<b>Licensee</b>			
FRN	0001736453 <a href="#">(View Ownership)</a>	Type	Partnership
<b>Licensee</b>			
Cal-One Cellular L P One Verizon Place Alpharetta, GA 30004-8511 ATTN Regulatory		P:(678)339-4277 F:(678)339-8552 E:network.regulatory@verizonwireless.com	

<b>Contact</b>			
Verizon Wireless Pamelia Y Hoof One Verizon Place (MC: GA3B1REG) Alpharetta, GA 30004-8511 ATTN Regulatory		P:(678)339-4277 F:(678)339-8552 E:network.regulatory@verizonwireless.com	

<b>Microwave Data</b>			
Oper Type	Permanent Fixed Point to Point	Station Class	FXO - Operational Fixed

<b>Ownership and Qualifications</b>			
Radio Service Type	Fixed		
Regulatory Status	Common Carrier	Interconnected	Yes

**Alien Ownership**  
The Applicant answered "No" to each of the [Alien Ownership](#) questions.

**Basic Qualifications**  
The Applicant answered "No" to each of the [Basic Qualification](#) questions.

**Demographics**

Race		
Ethnicity		Gender

## Locations Summary

Call Sign	WPOS872	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>3 Total Locations</b>			
10 Locations per Summary Page			

### Fixed Transmit Location 1: ORICK

Transmit Location 0.5 MI E OF US HWY 101 1.4 MI WSW OF ORICK, CA HUMBOLDT County		Coordinates	41-16-43.4 N, 124-05-05.2 W
Site Elevation (AMSL)	207.3m	Height w/o Appurtenances	45.7m
ASR #	N/A	Height w/ Appurtenances	50.0m
Support Structure Type			
Special Conditions	None		

### Other Locations

#### Location 2 : WALKER RIDGE

Type	Receive Location	Coordinates	41-05-58.4 N, 124-07-35.2 W
Site Elevation (AMSL)	373.4m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

#### Location 3 : REQUA II

Type	Receive Location	Coordinates	41-33-31.8 N, 124-05-11.1 W
------	------------------	-------------	-----------------------------

Site Elevation (AMSL)	253.3m	Height w/o Appurtenances
ASR #	N/A	Height w/ Appurtenances
Support Structure Type		
Special Conditions	None	

## Paths Summary

Call Sign	WPOS872	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	ORICK	Coordinates	41-16-43.4 N , 124-05-05.2 W
2 Total Paths			

### Path 1 - Fixed Point-to-Point

▶	Rec. Call Sign	WPNN512		
Location	Coordinates			
WALKER RIDGE	41-05-58.4 N , 124-07-35.2 W			
Path Frequencies				
006152.75000000				

### Path 2 - Fixed Point-to-Point

▶	Rec. Call Sign			
Location	Coordinates			
REQUA II	41-33-31.8 N , 124-05-11.1 W			
Path Frequencies				
006063.80000000				

**Federal Communications Commission  
Wireless Telecommunications Bureau**

**Radio Station Authorization (Reference Copy)**

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**Licensee:** Cal-One Cellular L P

ATTN Regulatory  
Cal-One Cellular L P  
One Verizon Place  
Alpharetta, GA 30004-8511

<b>FCC Registration Number (FRN):</b> 0001736453	
<b>Call Sign:</b> WPTB833	
<b>File Number:</b>	
<b>Radio Service:</b> CF - Common Carrier Fixed Point to Point Microwave	
<b>SMSA</b>	<b>Station Class</b> FXO

<b>Grant Date</b> 08/24/2001	<b>Expiration Date</b> 08/24/2011	<b>Print Date</b> 06/15/2006
<b>Effective Date</b> 03/10/2006		

**LOCATION**

**Fixed Location Address or Area of Operation**

421 HWY 101 N FAIRGROUNDS

<b>City</b> CRESCENT CITY	<b>County</b> DEL NORTE	<b>State</b> CA
------------------------------	----------------------------	--------------------

Loc. No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
1	KPOD	41-45-34.0 N	124-11-32.0 W	2.7m	1013617
2	Requa II	41-33-31.8 N	124-05-11.1 W	253.3m	

**FREQUENCY PATHS**

Frequency (MHz)	ToI (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No.	Seg	Emit Loc No.	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No.	Rec Call Sign
006063.80000000	0.00500	30M0D9W	65.2	02/24/2003	1	1	1	74.1	38.2	1.9	H	158.4	2	

Reflector  
Ht(m) x  
Wd(m)

**Waivers/Conditions:** None

**Conditions**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in



violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 706.

## Locations Summary

Call Sign	WPTB833	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
<b>2 Total Locations</b>			
10 Locations per Summary Page			

### Fixed Transmit Location 1: KPOD

Transmit Location 421 HWY 101 N FAIRGROUNDS CRESCENT CITY, CA DEL NORTE County	Coordinates	41-45-34.0 N, 124-11-32.0 W	
Site Elevation (AMSL)	2.7m	Height w/o Appurtenances	93.5m
ASR #	1013617	Height w/ Appurtenances	94.5m
Support Structure Type	TOWER - A free standing or guyed structure		
Special Conditions	None		

### Other Locations

#### Location 2 : Requa II

Type	Receive Location	Coordinates	41-33-31.8 N, 124-05-11.1 W
Site Elevation (AMSL)	253.3m	Height w/o Appurtenances	
ASR #	N/A	Height w/ Appurtenances	
Support Structure Type			
Special Conditions	None		

## Paths Summary

Call Sign	WPTB833	Radio Service	CF - Common Carrier Fixed Point to Point Microwave
Transmitter	KPOD	Coordinates	41-45-34.0 N , 124-11-32.0 W
1 Total Path			

**Path 1 - Fixed Point-to-Point**

	Rec. Call Sign
Location	Coordinates
Requa II	41-33-31.8 N , 124-05-11.1 W

Path Frequencies
006063.80000000