

Allocation Study**1. Compliance with 47 C.F.R. 73.207**

The proposed facility meets all minimum distance separation requirements with regard to co-channel, first, second, or third adjacent channel stations, and those separated by 53/54 channels, except the license of KRQT Channel 296C3 Castle Rock, WA (FIN 2813). The proposed facility is 0.9 kilometers short-spaced to KRQT.

This application proposes contour protection for KRQT according to the guidelines of 47 C.F.R. 73.215. Section 47 C.F.R. 73.215(e) states that the minimum separation requirement between a class C3 and a class C1 facility, which are co-channel, is 200 km. Exhibit 30-A shows that KRQT is separated from the proposed facility by 210.08 km.

Therefore, the proposed facility is permitted to use contour protection toward the short-space facilities (See Exhibit 34 for compliance with contour protection requirements).

2. Fully Spaced Theoretical Site

A theoretical allotment site has been identified. It is located at 44° 28' 06" N by 122° 33' 30"W and is, in fact, fully spaced.

Exhibit Index:

- Exhibit 30-A shows the spacing at the proposed site.
- Exhibit 30-B demonstrates that the theoretical allotment site meets the minimum distance separation requirements of 47 C.F.R. 73.207.
- Exhibit 30-C is a topographical map that shows the location of the theoretical allotment site.
- Exhibit 30-D shows the city of license coverage map for the allotment site.
- Exhibit 34 shows the protected and interfering contours, in all directions, for the proposed operation.
- Exhibit 34-A Protected and interfering contours, over pertinent arcs, of KRQT Channel 296C3 Castle Rock, WA (FIN 2813).

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Exhibit 30-A

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Sweet Home, OR

Proposed Site Spacing

REFERENCE

44 28 59.0 N.

CLASS = C1

DISPLAY DATES

DATA 07-20-15

122 34 54.0 W.

Current Spacings to 3rd Adj.

SEARCH 07-20-15

----- Channel 296 - 107.1 MHz -----

Call		Channel	Location		Azi	Dist	FCC	Margin
KLUV	LIC-N	296C1	Sweet Home	OR	0.0	0.00	245.0	-245.0
KRQT	LIC-N	296C3	Castle Rock	WA	349.2	210.08	211.0	-0.9
KCST-FM	LIC	295A	Florence	OR	244.3	132.88	133.0	-0.12
KLTH	LIC	294C	Lake Oswego	OR	354.1	115.42	105.0	10.4
KOOS	LIC	297C1	North Bend	OR	224.7	198.24	177.0	21.2
KXJM	LIC	298C0	Banks	OR	354.1	115.43	94.0	21.4
KWXS	LIC	299C2	Prineville	OR	103.4	131.76	79.0	52.8
KCOE	CP	293C2	Terrebonne	OR	103.4	131.76	79.0	52.8
AU9810566VAC		295C2	Arlington	OR	55.2	215.20	158.0	57.2

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Exhibit 30-B

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Sweet Home, OR

Allotment Site Spacing

REFERENCE

44 28 06.0 N.

CLASS = C1

122 33 30.0 W.

Current Spacings to 3rd Adj.

DISPLAY DATES

DATA 07-20-15

SEARCH 07-20-15

----- Channel 296 - 107.1 MHz -----

Call		Channel	Location		Azi	Dist	FCC	Margin
KLUV	LIC-N	296C1	Sweet Home	OR	311.5	2.47	245.0	-242.5
KCST-FM	LIC	295A	Florence	OR	245.2	133.87	133.0	0.9
KRQT	LIC-N	296C3	Castle Rock	WA	348.8	212.04	211.0	1.0
KLTH	LIC	294C	Lake Oswego	OR	353.3	117.25	105.0	12.3
KOOS	LIC	297C1	North Bend	OR	225.5	198.41	177.0	21.4
KXJM	LIC	298C0	Banks	OR	353.3	117.26	94.0	23.3
KWXS	LIC	299C2	Prineville	OR	102.9	129.59	79.0	50.6
KCOE	CP	293C2	Terrebonne	OR	102.9	129.59	79.0	50.6
AU9810566VAC		295C2	Arlington	OR	54.5	214.62	158.0	56.6

Exhibit 30-C

NOTES: Theoretical allotment coordinates



Exhibit 30-D

Coverage Study - USGS 03 SEC
07-20-2015

KLVU-alloc CH296 C1, 100.0 kW, 299.0M HAAT, 803.4M COR AMSL
Service Contour = 70 dBu. Population = 103,026

