

Second Filing Window Expanded Facility Application

In connection with the Broadcast Television Incentive Auction (Auction 1000) the Commission initiated a transition period during which the facilities of broadcast television stations that received new channel assignments in the post-incentive auction repacking process will be reauthorized and relicensed. The first filing window closed on September 15, 2017. This application is filed in accordance with the second filing window, which will close on November 2, 2017.

During the second filing window, any reassigned station or band changing station may file an amendment to its initial construction permit application, if still pending, or a modification to its construction permit, if granted, to seek an alternate channel or expanded facilities from that specified in the *Closing and Channel Reassignment Public Notice*.¹ The instant proposal, a minor change under the Commission's rules, expands the assigned technical facility beyond that applied for in the first filing window.

Post-Transition DTV Considerations

A study was performed using the FCC's software program, *tvstudy*, v.2.2.3, to ensure that the technical facility proposed herein protects the facilities proposed in the first priority filing window, whether those stations' applications have been granted or remain pending while protecting the construction permit facilities of reassigned stations and band changing stations filed in the initial 90-day filing window, whether those

¹ See *Incentive Auction Closing and Channel Reassignment Public Notice: The Broadcast Television Incentive Auction Closes; Reverse Auction and Forward Auction Results Announced; Final Television Band Channel Assignments Announced; Post-Auction Deadlines Announced*, Public Notice, 32 FCC Rcd 2786 (2017) (*Closing and Channel Reassignment Public Notice*).

stations' applications have been granted or remain pending. Further, the instant proposal protects the facilities specified in applications filed before the April 2013 freeze with "cut-off" protection.

As demonstrated in the attached study results, the instant proposal is predicted to cause no new interference exceeding 0.5% to the populations served by any of the relevant protections discussed above. Accordingly, the instant proposal satisfies all applicable DTV interference criteria.

International DTV Considerations

As shown in the attached study, the transmitter site specified herein not within 320 kilometers of either the common border between the United States of America and Canada or between the USA and Mexico. Therefore, international notification and coordination of the instant proposal is not required.



tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: KTCW 36 DA 100K 171013, Model: Longley-Rice
Start: 2017.10.13 21:00:01

Study created: 2017.10.13 20:59:54

Study build station data: LMS TV 2017-10-01 (38)

Proposal: KTCW D36 DT APP ROSEBURG, OR
File number: KTCW 36 DA 100K 171013
Facility ID: 35187
Station data: User record
Record ID: 2051
Country: U.S.
Zone: II

Search options:
Non-U.S. records included
No protected stations found.

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D36
Latitude: 43 12 21.50 N (NAD83)
Longitude: 123 21 53.90 W
Height AMSL: 372.0 m
HAAT: 109.0 m
Peak ERP: 100 kW
Antenna: DIE-TLP-8B/VP-R (ID 1001987) 0.0 deg
Elev Pattn: Generic
Elec Tilt: 1.5

40.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	100 kW	154.1 m	67.3 km
45.0	80.6	42.9	51.0
90.0	43.7	155.3	63.4
135.0	33.5	-68.0	42.8
180.0	41.6	172.2	64.4
225.0	34.3	126.3	60.0
270.0	42.3	86.0	56.7
315.0	79.5	209.7	70.3

Database HAAT does not agree with computed HAAT
Database HAAT: 109 m Computed HAAT: 110 m

**Proposal service area extends beyond baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 558.0 km

Distance to Mexican border: 1287.6 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 166.9 degrees Distance: 624.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 96.6 degrees Distance: 1538.0 km

Study cell size: 2.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

 Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTCW	D36	DT	APP	ROSEBURG, OR	KTCW 36 DA 100K 171013	
Undesireds:	K47GI-D	D36	DC	CP	GRANTS PASS, OR	BLANK0000027790	91.9 km
	KKEI-CD	D36	DC	CP	PORTLAND, OR	BLANK0000027188	262.1
	Service area		Terrain-limited		IX-free	Percent IX	
	11716.6	105,507	8941.4	93,951	8901.3	93,951	0.45 0.00
Undesired			Total IX		Unique IX	Prcnt Unique IX	
K47GI-D	D36 DC CP		36.0	0	36.0	0	0.40 0.00
KKEI-CD	D36 DC CP		4.0	0	4.0	0	0.05 0.00