

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 is within 320 kilometers of the common border between the United States of America and Canada. As demonstrated in the attached study, the maximized technical facility proposed herein satisfies DTV interference criteria with respect to all relevant Canadian allotments, applications and assignments. International notification and coordination of the instant proposal is respectfully requested.

tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: KOMO 30 OMNI 1MW 171101, Model: Longley-Rice
Start: 2017.10.11 16:45:30

Study created: 2017.10.11 16:45:04

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

Proposal: KOMO-TV D30 DT APP SEATTLE, WA
File number: KOMO 30 OMNI 1MW 171101
Facility ID: 21656
Station data: User record
Record ID: 2012
Country: U.S.
Zone: II

Search options:
Non-U.S. records included
Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KPDx	D30	DT	LIC	VANCOUVER, WA	BLCDT20090612ADJ	236.5 km
KONG	D31	DT	LIC	EVERETT, WA	BLANK0000001601	0.2
KONG	D31	DT	APP	EVERETT, WA	BPCDT20080617AEE	0.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Latitude: 47 37 55.00 N (NAD83)
Longitude: 122 21 14.00 W
Height AMSL: 300.2 m
HAAT: 259.0 m
Peak ERP: 1000 kW
Antenna: Omnidirectional
Elev Pattern: Generic
Elec Tilt: 0.7

40.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1000 kW	175.4 m	82.3 km
45.0	1000	234.7	88.6
90.0	1000	245.4	90.2
135.0	1000	259.6	92.6
180.0	1000	233.4	88.5
225.0	1000	295.4	97.7
270.0	1000	278.9	95.6
315.0	1000	292.7	97.4

Database HAAT does not agree with computed HAAT
Database HAAT: 259 m Computed HAAT: 252 m

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

**Proposal is within coordination distance of Canadian border
Distance to Canadian border: 98.4 km

Distance to Mexican border: 1721.9 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 354.3 degrees Distance: 147.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 115.1 degrees Distance: 1597.0 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 BLCDT20090612ADJ LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPDX	D30	DT	LIC	VANCOUVER, WA	BLCDT20090612ADJ	
Undesireds:	KOMO-TV	D30	DT	BL	SEATTLE, WA	DTVBL21656	236.5 km
	KOMO-TV	D30	DT	APP	SEATTLE, WA	KOMO 30 OMNI 1MW 17110	236.5
	KEPB-TV	D29	DT	LIC	EUGENE, OR	BLEDT20050127AHY	171.4
	KUNW-CD	D30	DC	LIC	YAKIMA, WA	BLDTL20090923ACQ	206.1
	KLSR-TV	D31	DT	LIC	EUGENE, OR	BLCDT20070104ADQ	171.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
41468.3		2,970,703		30587.5		2,816,051	0.08 0.04
				2,848,423			
				30088.2			
				2,817,200			
Undesired		Total IX		Unique IX, before		Unique IX, after	
KOMO-TV D30 DT BL		292.9		4,805			
KOMO-TV D30 DT APP		320.9		5,954		316.9	5,954
KEPB-TV D29 DT LIC		194.6		25,511		11.9	396
KUNW-CD D30 DC LIC		4.0		0		0.0	0
KLSR-TV D31 DT LIC		190.6		26,022		7.9	907

 Interference to BLANK0000001601 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KONG	D31	DT	LIC	EVERETT, WA	BLANK0000001601	
Undesireds:	KOMO-TV	D30	DT	BL	SEATTLE, WA	DTVBL21656	0.2 km
	KOMO-TV	D30	DT	APP	SEATTLE, WA	KOMO 30 OMNI 1MW 17110	0.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
19204.4		4,006,008		18028.8		3,978,956	0.22 0.05
				3,985,271			
				17924.6			
				3,980,826			
Undesired		Total IX		Unique IX, before		Unique IX, after	
KOMO-TV D30 DT BL		104.3		4,445			
KOMO-TV D30 DT APP		144.4		6,315		144.4	6,315

 Interference to BPCDT20080617AEE APP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KONG	D31	DT	APP	EVERETT, WA	BPCDT20080617AEE	
Undesireds:	KOMO-TV	D30	DT	BL	SEATTLE, WA	DTVBL21656	0.2 km
	KOMO-TV	D30	DT	APP	SEATTLE, WA	KOMO 30 OMNI 1MW 17110	0.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22742.1		4,056,202		20989.5		4,012,682	0.04 0.00
				4,013,228			
				20945.4			
				4,012,772			
Undesired		Total IX		Unique IX, before		Unique IX, after	
KOMO-TV D30 DT BL		44.1		456			
KOMO-TV D30 DT APP		52.2		546		52.2	546

 Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOMO-TV	D30	DT	APP	SEATTLE, WA	KOMO 30 OMNI 1MW 17110	
Undesireds:	KPDX	D30	DT	LIC	VANCOUVER, WA	BLCDT20090612ADJ	236.5 km
	KONG	D31	DT	LIC	EVERETT, WA	BLANK0000001601	0.2

Service area		Terrain-limited		IX-free	Percent IX
26367.0 4,138,469	24020.3	4,093,387	23871.8	4,089,688	0.62 0.09
Undesired		Total IX		Unique IX	Prcnt Unique IX
KPDX D30 DT LIC	108.6	3,649	108.6	3,649	0.45 0.09
KONG D31 DT LIC	40.0	50	40.0	50	0.17 0.00

Interference to proposal, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KOMO-TV	D30	DT	APP	SEATTLE, WA	KOMO 30 OMNI 1MW 17110	
Undesireds:	KPDX	D30	DT	LIC	VANCOUVER, WA	BLCDT20090612ADJ	236.5 km
	KONG	D31	DT	APP	EVERETT, WA	BPCDT20080617AEE	0.2

Service area		Terrain-limited		IX-free	Percent IX
26367.0 4,138,469	24020.3	4,093,387	23851.8	4,089,513	0.70 0.09
Undesired		Total IX		Unique IX	Prcnt Unique IX
KPDX D30 DT LIC	108.6	3,649	108.6	3,649	0.45 0.09
KONG D31 DT APP	59.9	225	59.9	225	0.25 0.01