

### 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*.<sup>1</sup> The instant proposal, a minor change under the Commission's rules, expands the assigned technical facility beyond that applied for in the initial 90-day 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

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<sup>1</sup> 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: KUNS 24 DSC 625K 1710030, Model: Longley-Rice  
Start: 2017.10.30 19:57:46

Study created: 2017.10.30 19:57:27

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

Proposal: KUNS-TV D24 DT APP BELLEVUE, WA  
File number: KUNS 24 DSC 625K 1710030  
Facility ID: 4624  
Station data: User record  
Record ID: 2343  
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
KIRO-TV	D23	DT	CP	SEATTLE, WA	BLANK0000025164	0.3 km
KATU	D24	DT	CP	PORTLAND, OR	BLANK0000025678	237.0
KING-TV	D25	DT	CP	SEATTLE, WA	BLANK0000028075	0.2
CHNU-DT	D24	DT	LIC	FRASER VALLEY, BC	BLANKCANADA61	159.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D24  
Latitude: 47 37 55.00 N (NAD83)  
Longitude: 122 21 14.00 W  
Height AMSL: 285.2 m  
HAAT: 237.0 m  
Peak ERP: 625 kW  
Antenna: Dielectric TFU-26DSC/VP-R C150 0.0 deg  
Elev Pattn: Generic  
Elec Tilt: 1.0

39.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	264 kW	160.4 m	74.1 km
45.0	619	219.7	83.8
90.0	552	230.4	84.0
135.0	606	244.6	86.3
180.0	600	218.4	83.5
225.0	518	280.4	90.5
270.0	116	263.9	77.6
315.0	25.0	277.7	70.5

\*\*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%

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Interference to BLANK0000025164 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance							
Desired:	KIRO-TV	D23	DT	CP	SEATTLE, WA	BLANK0000025164								
Undesireds:	KUNS-TV	D24	DT	BL	BELLEVUE, WA	DTVBL4624	0.3 km							
	KUNS-TV	D24	DT	APP	BELLEVUE, WA	KUNS 24 DSC 625K 17100	0.3							
	CHAN-DT-6	D23	DT	LIC	WILSON CREEK, BC	BLANKCANADA108	214.3							
Service area	21496.7	4,058,525	Terrain-limited	20233.1	4,030,772	IX-free, before	20168.9	4,028,471	IX-free, after	20168.9	4,028,471	Percent New IX	0.00	0.00
Undesired			Total IX			Unique IX, before			Unique IX, after					
KUNS-TV D24 DT BL			56.2			2,301			56.2			2,301		
KUNS-TV D24 DT APP			56.2			2,301			56.2			2,301		
CHAN-DT-6 D23 DT LIC			8.1			0			8.1			0		

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Interference to BLANK0000025678 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance							
Desired:	KATU	D24	DT	CP	PORTLAND, OR	BLANK0000025678								
Undesireds:	KUNS-TV	D24	DT	BL	BELLEVUE, WA	DTVBL4624	236.9 km							
	KUNS-TV	D24	DT	APP	BELLEVUE, WA	KUNS 24 DSC 625K 17100	237.0							
	KEVU-CD	D23	DC	LIC	EUGENE, OR	BLDTA20101029ACH	171.1							
Service area	42119.5	2,977,993	Terrain-limited	31172.7	2,853,582	IX-free, before	30840.3	2,838,486	IX-free, after	30832.3	2,838,493	Percent New IX	0.03	-0.00
Undesired			Total IX			Unique IX, before			Unique IX, after					
KUNS-TV D24 DT BL			284.7			4,817			284.7			4,817		
KUNS-TV D24 DT APP			292.7			4,810			292.7			4,810		
KEVU-CD D23 DC LIC			47.7			10,279			47.7			10,279		

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Interference to BLANK0000028075 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance							
Desired:	KING-TV	D25	DT	CP	SEATTLE, WA	BLANK0000028075								
Undesireds:	KUNS-TV	D24	DT	BL	BELLEVUE, WA	DTVBL4624	0.2 km							
	KUNS-TV	D24	DT	APP	BELLEVUE, WA	KUNS 24 DSC 625K 17100	0.2							
	KOIN	D25	DT	CP	PORTLAND, OR	BLANK0000028190	237.0							
Service area	19889.1	4,065,161	Terrain-limited	18694.2	4,029,300	IX-free, before	18593.7	4,026,596	IX-free, after	18581.7	4,023,890	Percent New IX	0.06	0.07
Undesired			Total IX			Unique IX, before			Unique IX, after					
KUNS-TV D24 DT BL			28.1			661			28.1			661		
KUNS-TV D24 DT APP			40.2			3,367			40.2			3,367		
KOIN D25 DT CP			72.4			2,043			72.4			2,043		

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Interference to BLANKCANADA61 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance							
Desired:	CHNU-DT	D24	DT	LIC	FRASER VALLEY, BC	BLANKCANADA61								
Undesireds:	KUNS-TV	D24	DT	BL	BELLEVUE, WA	DTVBL4624	159.4 km							
	KUNS-TV	D24	DT	APP	BELLEVUE, WA	KUNS 24 DSC 625K 17100	159.4							
Service area			Terrain-limited			IX-free, before			IX-free, after			Percent New IX		

4478.1	203,106	3757.9	193,414	3705.8	193,239	3701.8	193,239	0.11	0.00
(in U.S.)									
8524.7	2,574,258	7183.4	2,515,765	7122.9	2,501,965	7135.0	2,501,965	-0.17	0.00

Undesired			Total IX	Unique IX, before	Unique IX, after	
KUNS-TV D24 DT BL	52.1		175	52.1	175	(in U.S.)
KUNS-TV D24 DT APP	56.1		175		56.1	175 (in U.S.)
KUNS-TV D24 DT BL	60.5		13,800	60.5	13,800	
KUNS-TV D24 DT APP	48.4		13,800		48.4	13,800

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Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUNS-TV	D24	DT	APP	BELLEVUE, WA	KUNS 24 DSC 625K 17100	
Undesireds:	KIRO-TV	D23	DT	CP	SEATTLE, WA	BLANK0000025164	0.3 km
	KATU	D24	DT	CP	PORTLAND, OR	BLANK0000025678	237.0
	KING-TV	D25	DT	CP	SEATTLE, WA	BLANK0000028075	0.2
	CHNU-DT	D24	DT	LIC	FRASER VALLEY, BC	BLANKCANADA61	159.4

	Service area		Terrain-limited		IX-free		Percent IX
20802.0	4,027,849	19717.9	4,015,626	19501.6	4,009,198	1.10	0.16

Undesired			Total IX	Unique IX	Prcnt Unique IX
KIRO-TV D23 DT CP	68.1		1,202	48.1	327 0.24 0.01
KATU D24 DT CP	52.2		4,822	44.1	4,302 0.22 0.11
KING-TV D25 DT CP	96.1		1,178	80.2	823 0.41 0.02
CHNU-DT D24 DT LIC	24.0		101	20.0	101 0.10 0.00