

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: KRVN-12 OMNI 19KW 171012, Model: Longley-Rice
Start: 2017.10.12 19:55:48

Study created: 2017.10.12 19:55:34

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

Proposal: KRVN-DT D12 DT CP RENO, NV
File number: KRVN-12 OMNI 19KW 171012
Facility ID: 60307
Station data: User record
Record ID: 2013
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
KTVN	D11	DT	CP	RENO, NV	BLANK0000025333	0.0 km
KGO-TV	D12	DT	CP	SAN FRANCISCO, CA	BLANK0000025366	282.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D12
Latitude: 39 18 56.20 N (NAD83)
Longitude: 119 53 6.00 W
Height AMSL: 2976.4 m
HAAT: 891.4 m
Peak ERP: 19.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.9

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	19.0 kW	679.7 m	121.6 km
45.0	19.0	1310.3	135.7
90.0	19.0	1245.9	134.4
135.0	19.0	1366.5	136.7
180.0	19.0	737.5	123.4
225.0	19.0	864.5	125.8
270.0	19.0	474.9	110.9
315.0	19.0	451.5	109.1

ERP exceeds maximum
ERP: 19.0 kW ERP maximum: 15.7 kW

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

Distance to Canadian border: 1032.4 km

Distance to Mexican border: 778.6 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 223.2 degrees Distance: 240.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 81.1 degrees Distance: 1252.7 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 BLANK0000025333 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTVN	D11	DT	CP	RENO, NV	BLANK0000025333	
Undesireds:	KRNV-DT	D12	DT	BL	RENO, NV	DTVBL60307	0.1 km
	KRNV-DT	D12	DT	CP	RENO, NV	KRNV-12 OMNI 19KW 1710	0.0
	KXTV	D10	DT	LIC	SACRAMENTO, CA	BLCDDT20120201AAM	184.2
	KNSO	D11	DT	LIC	MERCED, CA	BLCDDT20100202ABE	252.5
	KCBA	D11	DT	CP	SALINAS, CA	BLANK0000028196	317.8
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	47871.2	958,936	39409.1	802,849	39212.8	793,015	39216.8 793,015 -0.01 0.00
Undesired			Total IX		Unique IX, before	Unique IX, after	
KRNV-DT D12 DT BL			4.0		0	4.0	0
KRNV-DT D12 DT CP			0.0		0	0.0	0
KXTV D10 DT LIC			52.2	5,432	20.1	794	20.1 794
KNSO D11 DT LIC			60.2	5,054	16.0	162	16.0 162
KCBA D11 DT CP			144.2	7,992	92.0	234	92.0 234

Interference to BLANK0000025366 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KGO-TV	D12	DT	CP	SAN FRANCISCO, CA	BLANK0000025366	
Undesireds:	KRNV-DT	D12	DT	BL	RENO, NV	DTVBL60307	282.6 km
	KRNV-DT	D12	DT	CP	RENO, NV	KRNV-12 OMNI 19KW 1710	282.7
	KCBA	D11	DT	CP	SALINAS, CA	BLANK0000028196	139.3
	KNTV	D13	DT	CP	SAN JOSE, CA	BLANK0000026912	8.0
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	41833.2	8,283,429	36468.1	7,500,556	33925.3	6,950,123	33647.2 6,915,517 0.82 0.50
Undesired			Total IX		Unique IX, before	Unique IX, after	
KRNV-DT D12 DT BL			2195.2	517,141	2195.2	517,141	
KRNV-DT D12 DT CP			2473.4	551,747		2473.4	551,747
KCBA D11 DT CP			212.3	2,905	208.3	2,847	208.3 2,847
KNTV D13 DT CP			139.2	30,445	135.2	30,387	135.2 30,387

Interference to proposal, scenario 1
1.79% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRNV-DT	D12	DT	CP	RENO, NV	KRNV-12 OMNI 19KW 1710	
Undesireds:	KGO-TV	D12	DT	CP	SAN FRANCISCO, CA	BLANK0000025366	282.7 km
	Service area		Terrain-limited		IX-free	Percent IX	
	49366.9	986,672	40509.3	819,852	40012.3	805,153	1.23 1.79
Undesired			Total IX		Unique IX	Prcnt Unique IX	
KGO-TV D12 DT CP			496.9	14,699	496.9	14,699	1.23 1.79