

**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554**

In the Matter of)	
)	
Amendment of Section 73.622(i),)	MB Docket No. 15-88
Post-Transition Table of DTV Allotments,)	
Television Broadcast Stations)	RM-11747
(Bend, Oregon))	

COMMENTS OF TDS BROADCASTING LLC

TDS Broadcasting LLC (“TDS”), the licensee of Digital Television Broadcast Station KOHD, Bend, Oregon, Facility ID No. 166534 (the “Station”), by its attorneys and pursuant to Sections 1.415, 1.419, and 1.420 of the Commission’s Rules, 47 C.F.R. §§ 1.415, 1.419 & 1.420, hereby submits these comments in support of the above-referenced Notice of Proposed Rulemaking (the “*Notice*”). The *Notice*, which responds to a Petition for Rulemaking submitted by TDS,¹ proposes to amend the Post-Transition Table of DTV Allotments, 47 C.F.R. § 73.622(i), by substituting and allotting DTV Channel 18 for the Station’s assigned DTV Channel 51 at Bend, Oregon.

TDS hereby confirms its continuing interest in the proposal as set forth in the Petition and its accompanying technical exhibit, which are incorporated herein by reference. As the Petition explains, digital operation of the Station on Channel 18, instead of Channel 51, would remove any potential interference with authorized wireless operations in the Lower 700 MHz A Block located adjacent to Channel 51 in the Portland, Oregon market. It also would permit those wireless operations to expand to additional consumers sooner than otherwise would be possible.

¹ See TDS Broadcasting LLC, Petition for Rulemaking, *Amendment of Section 73.622(i), et al.* (submitted April 6, 2015) (the “Petition”). For the convenience of all interested persons, a copy of the technical exhibit attached to the Petition (the “Technical Exhibit”) also has been attached to these comments.

In addition, the change is not projected to adversely affect any over-the-air television service.² Accordingly, the proposal is consistent with the public interest as well as recent Commission precedent addressing similar circumstances.³

Given the upcoming Pre-Auction Licensing Deadline,⁴ TDS would respectfully request expedited treatment, to the extent possible, of this matter, including that the proposed channel change, if adopted, be made effective upon the release of the Report and Order in order to allow for prompt filing of the requisite construction permit. If the Commission adopts the current proposal, TDS intends to apply for the appropriate authorization to operate the Station on DTV Channel 18 at Bend, Oregon, consistent with the facilities set forth in the Technical Exhibit, and, if authorized, to implement the change in accordance with the Commission's requirements in light of the Deadline.

² See, e.g., Technical Exhibit at Figure 2 (noting that predicted digital noise-limited contours are co-extensive).

³ See, e.g., *Amendment of Section 73.622(i), Post-Transition Table of TV Allotments, Television Broadcast Stations (Lansing, Michigan)*, Report and Order, MB Docket No. 15-2 (MB, released Feb. 13, 2015); *Amendment of Section 73.622(i), Post-Transition Table of TV Allotments, Television Broadcast Stations (Cedar Rapids, Iowa)*, Report and Order, 28 FCC Rcd 13009 (MB 2013).

⁴ Public Notice, *Media Bureau Designates May 29, 2015 As Pre-Auction Licensing Deadline*, DA 15-116 at 1 & n.1 (rel. Jan. 28, 2015). For purposes of this filing, "Deadline" shall refer to the date by which the Station must have a license or a license to cover application pending in order to be eligible for updated interference protection.

Accordingly, TDS hereby respectfully requests that the Commission promptly adopt the changes proposed in the *Notice* consistent with these comments and the Petition.

Respectfully submitted,

TDS BROADCASTING LLC

By: 
F. William LeBeau

HOLLAND & KNIGHT LLP
800 17th Street, NW
Suite 1100
Washington, DC 20006
(202) 862-5965

Its Attorneys

Dated: April 29, 2015

EXHIBIT 1
(Technical Exhibit)

TECHNICAL EXHIBIT
IN SUPPORT OF PETITION FOR RULEMAKING
TELEVISION STATION KOHD(TV)
BEND, OREGON

April 3, 2015

TECHNICAL EXHIBIT
IN SUPPORT OF PETITION FOR RULEMAKING
TELEVISION STATION KOHD(TV)
BEND, OREGON

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TECHNICAL EXHIBIT
IN SUPPORT OF PETITION FOR RULEMAKING
TELEVISION STATION KOHD(TV)
BEND, OREGON

Technical Statement

This Technical Exhibit was prepared on behalf of television broadcast station KOHD(TV), Bend, Oregon (Channel 51), in support of a Petition for Rulemaking to amend Section 73.622(i) of the FCC Rules to change the KOHD(TV) digital television channel. KOHD(TV) is an ABC network affiliated station.

KOHD(TV) is authorized for operation on Channel 51 with a maximum directional effective radiated power (ERP) of 84.1 kW and antenna height above average terrain (HAAT) of 205.7 m.* KOHD(TV) has entered into a voluntary agreement with the licensee of the lower 700-MHz Block A spectrum (T-Mobile) that contemplates the migration of KOHD(TV) from Channel 51 to Channel 18. Accordingly the licensee of KOHD(TV) is proposing the substitution of Channel 18 for Channel 51 at Bend, Oregon in its Petition for Rulemaking.

The FCC has recognized the significant public interest benefits of clearing Channel 51 to the extent possible prior to the auction and repacking plan. In 2011, the FCC lifted the freeze on channel substitution rulemaking petitions to allow channel changes to Channel 51 stations.† The FCC has also stated in its recent *Report and Order (R&O)* in the auction and repacking plan, that such petitions are exempt from

* See FCC File No. BLCDT-20060915AOZ.

† *Public Notice*, "General Freeze on the Filing and Processing of Applications for Channel 51 Effective Immediately and Sixty (60) Day Amendment Window for Pending Channel 51 Low Power Television, TV Translator and Class A Applications," 26 FCC Rcd 11409 (MB 2011).

the Media Bureau's April 5, 2013 freeze on the filing of certain facilities modifications.[‡] In its *R&O* the Commission stated that it would continue to allow Petitions to re-allocate stations from Channel 51 provided that the subject facilities are licensed by (or have a license application pending by) the Pre-Auction Licensing Deadline, which currently has been set as May 29, 2015.

The re-allocation of KOHD(TV) to Channel 18 would serve the public interest since it will allow for T-Mobile to launch advanced wireless services on the Lower 700 MHz Block A spectrum. The operation of KOHD(TV) on Channel 18 would remove any potential interference with a wireless operation located directly adjacent to Channel 51 in the Bend market area.

KOHD(TV) proposes to operate on UHF Channel 18 with a maximum ERP of 84.1 kW employing a directional antenna with an overall HAAT of 205.7 meters. The proposal is specified with facilities that will replicate the coverage of its licensed digital facility.[§] Specifications for the proposal are included herein at Figure 1.

Community of License Coverage Compliance

The proposed KOHD(TV) allotment facility complies with the coverage requirements of Section 73.625 of the FCC Rules. A map showing the predicted coverage contours is included herein at Figure 2. As indicated, the predicted 48 dBu, f(50,90) contour encompasses the entire community of Bend as required.

[‡] *Report and Order*, "In the Matter of Expanding the Economic and Innovation Opportunities of Spectrum Through Incentive Auctions," GN Docket No. 12-268, Released: June 2, 2014.

[§] There is to be no change in the antenna azimuth pattern from what is licensed. However, taking into consideration the predicted service losses due to terrain attenuation and interference received, the proposed facility will provide service to 102% of the population of the licensed KOHD(TV) facility.

Allocation Concerns

The proposed Channel 18 facility meets the requirements of Section 73.616 of the FCC Rules concerning predicted interference to other DTV allotments and assignment records. Longley-Rice interference analyses were conducted pursuant to the requirements of the FCC Rules and FCC OET Bulletin No. 69^{**}. The results of the interference analyses for the proposed facility are summarized herein at Figure 3. As indicated therein, the proposed facility will meet the 0.5% *de minimis* interference criterion outlined in the FCC Rules to all pertinent allotments and assignments.

The proposed facility is located more than 489 km from the U.S.-Canadian border. Therefore the proposal does not require coordination with the Canadian administration.

Repacking Flexibility Analysis

In order to evaluate the effect of this proposal on the repacking flexibility in the auction and repacking process, a comparison of the predicted 41 dBu noise-limited service contour coverage was prepared. As indicated in the map at Figure 2 herein, the proposal will not result in any increase in the predicted 41 dBu noise-limited service contour in any direction relative to the licensed Channel 51 facility. Therefore, there would be no adverse effect on the FCC's repacking flexibility in the auction and repacking process.

^{**} See *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, OET Bulletin 69, Federal Communications Commission (February 6, 2004).

Conclusion

The instant proposal was designed to meet the FCC's *de minimis* interference requirements for protection to other facilities and the coverage requirements of the KOHD(TV) community of license of Bend, Oregon. In addition, the proposal was designed to provide replication of the interference-free noise-limited service population of KOHD(TV), while not adversely affecting the FCC's repacking flexibility in the auction and repacking process. In view of the forgoing, it is concluded that the instant proposal meets the FCC's requirements and that its approval would serve the public interest.



Louis R. du Treil, Jr.

du Treil, Lundin & Rackley, Inc.
201 Fletcher Ave.
Sarasota, FL 34237

April 3, 2015

TECHNICAL EXHIBIT
IN SUPPORT OF PETITION FOR RULEMAKING
TELEVISION STATION KOHD(TV)
BEND, OREGON

Technical Specifications

Channel / Frequency Band	18 / 494-500 MHz
Zone	II
Reference Coordinates (NAD 27):	
Latitude	44°04'40.6" N
Longitude	121°19'56.9" W
Height of Radiation Center Above Mean Sea Level	1347 m
Height of Radiation Center Above Ground Level	61 m
Height of Radiation Center Above Average Terrain (HAAT)	205.7 m
Maximum Effective Radiated Power (ERP)	84.1 kW

Directional Antenna Relative Field Values (See Sheet 2 for Polar Graph)					
Degrees	Value	Degrees	Value	Degrees	Value
0	0.599	120	0.908	240	0.392
10	0.688	130	0.921	250	0.280
20	0.778	140	0.942	260	0.197
30	0.873	150	0.974	270	0.184
40	0.951	160	0.995	280	0.226
50	0.993	170	0.985	290	0.257
60	0.998	180	0.940	300	0.227
70	0.976	190	0.865	310	0.183
80	0.944	200	0.775	320	0.194
90	0.918	210	0.684	330	0.278
100	0.901	220	0.593	340	0.393
110	0.895	230	0.497	350	0.502
Additional Azimuths:		56	1.000	267	0.179
		314	0.178		
Antenna Rotation : 0.0° (none)					

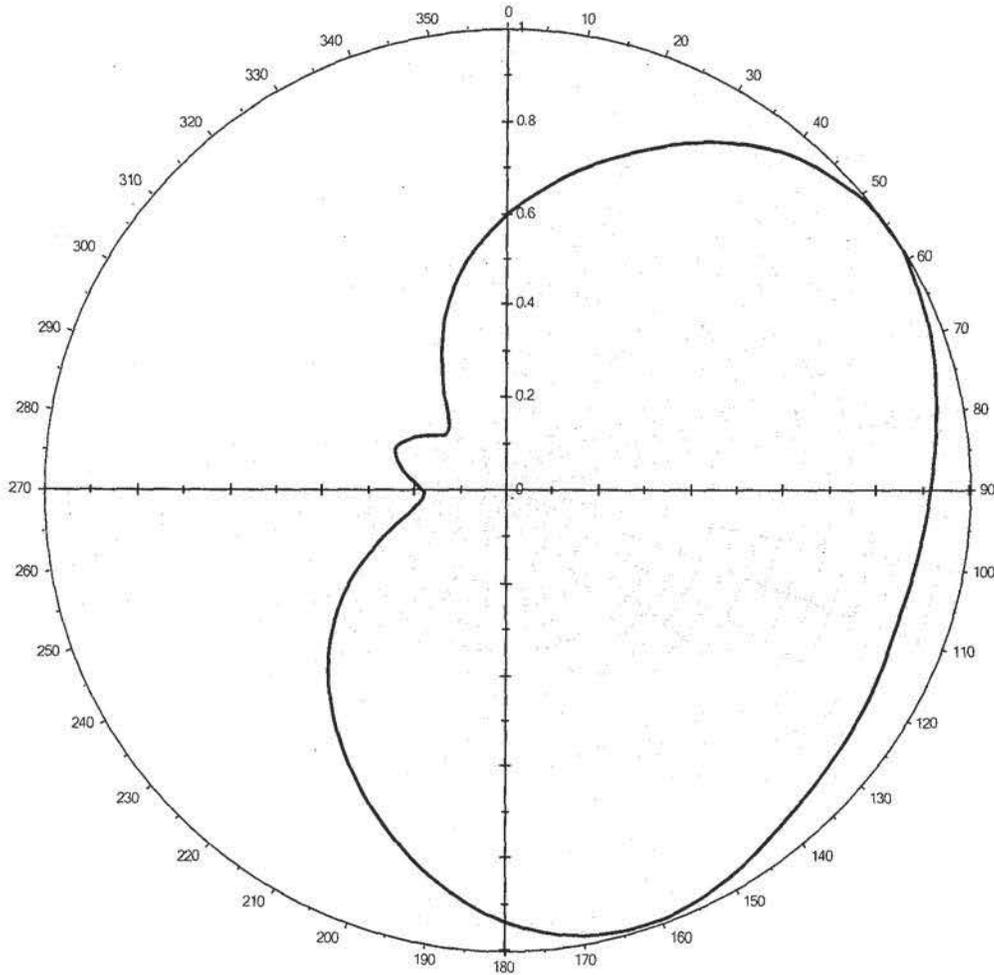


DA Inquiry

du Treil, Lundin, & Rackley, Inc., Sarasota, Florida

Antenna ID: 75180

KOHD(TV), BEND, OREGON
CHANNEL 18



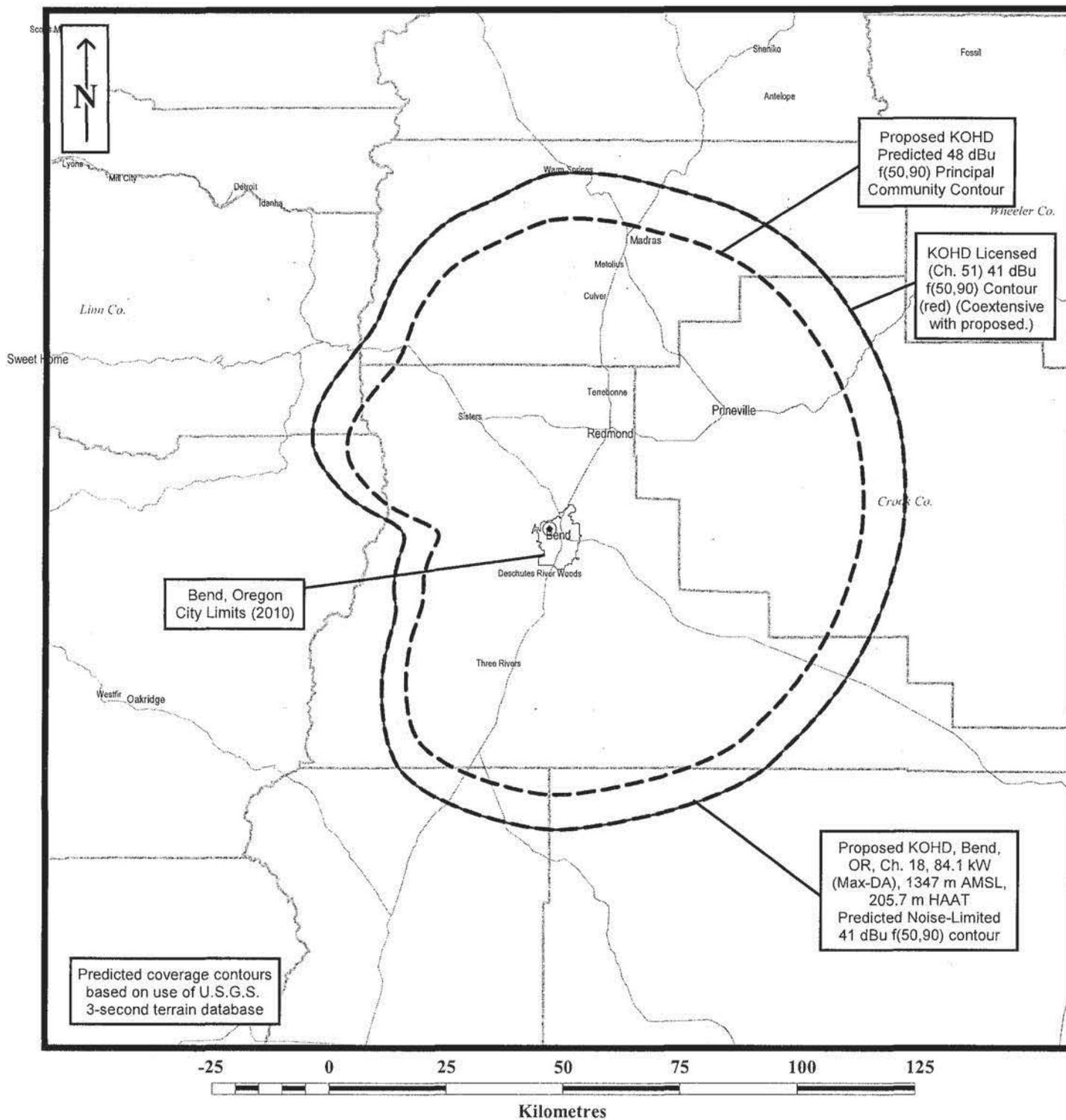
Note: display reflects rotation of 0.00°

0°	0.599	60°	0.998	120°	0.908	180°	0.940	240°	0.392	300°	0.227	56°	1.000
10°	0.688	70°	0.976	130°	0.921	190°	0.865	250°	0.280	310°	0.183	267°	0.179
20°	0.778	80°	0.944	140°	0.942	200°	0.775	260°	0.197	320°	0.194	314°	0.178
30°	0.873	90°	0.918	150°	0.974	210°	0.684	270°	0.184	330°	0.278		
40°	0.951	100°	0.901	160°	0.995	220°	0.593	280°	0.226	340°	0.393		
50°	0.993	110°	0.895	170°	0.985	230°	0.497	290°	0.257	350°	0.502		

Standard Pattern:

Last Change Date:

Figure 2



PREDICTED COVERAGE CONTOURS

duTreil, Lundin & Rackley, Inc. Sarasota, Florida

OET-69 Interference Analysis (KOHD, Bend, OR, Channel 18)(Summary Results)

Percent allowed new interference: 0.500
 Percent allowed new interference to non Class A LPTV: 2.000
 TW Census data selected 2000
 Data Base Selected
 /export/home/cdbs/pt_tvdb.sff
 TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 04-02-2015

Record Selected for Analysis

KOHD USERRECORD-01 BEND OR US
 Channel 18 ERP 84.1 kW HAAT 209. m RCAMSL 01347 m
 Latitude 044-04-40 Longitude 0121-19-56
 Status APP Zone 2 Border Site number: 01
 Dir Antenna Make CDB Model 00000000075180 Beam tilt N Ref Azimuth 0.
 Last update Cutoff date Docket
 Comments
 Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number	1			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	30.175	357.6	76.146	
45.0	79.456	330.0	79.883	
90.0	70.873	291.2	75.619	
135.0	72.973	201.5	69.135	
180.0	74.311	132.3	63.926	
225.0	24.980	68.7	51.678	
270.0	2.847	33.0	32.900	
315.0	2.745	260.4	56.336	

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
 to Class A stations from site # 01

Class A Evaluation Complete

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

OET-69 Interference Analysis (KOHD, Bend, OR, Channel 18)(Summary Results)

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel 18 Proposed Station KOHD BEND OR ARN USERRECORD01

Stations Potentially Affected by Proposed Station

Table with 7 columns: Chan, Call, City/State, Dist(km), Status, Application, Ref. No. Lists affected stations like KABH-CD, KMTR, KCLP-CA, etc.

Analysis of Interference to Affected Station 1

Analysis of current record

Channel 17 Call KABH-CD City/State BEND OR Application Ref. No. BLDTA -20131029ABN

Stations Potentially Affecting This Station

Proposal causes no interference

Analysis of Interference to Affected Station 2

Analysis of current record

Channel 17 Call KMTR City/State EUGENE OR Application Ref. No. BLCDT -20030618AAY

Stations Potentially Affecting This Station

Proposal causes no interference

Analysis of Interference to Affected Station 3

Analysis of current record

Channel 18 Call KCLP-CA City/State BOISE ID Application Ref. No. BDFCDTA -20130819AAH

Stations Potentially Affecting This Station

OET-69 Interference Analysis (KOHD, Bend, OR, Channel 18)(Summary Results)

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KTVC	ROSEBURG OR	BLCDT	-20060721AAR

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KTVC	ROSEBURG OR	BPCDT	-20110311ACC

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KEPR-TV	PASCO WA	BLCDT	-20140717ABN

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	K19GH-D	EUGENE, ETC. OR	BLDTA	-20091211AEO

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

OET-69 Interference Analysis (KOHD, Bend, OR, Channel 18)(Summary Results)

Channel	Call	City/State	Application	Ref. No.
19	KPIC	ROSEBURG OR	BLCDT	-20120423ABP

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

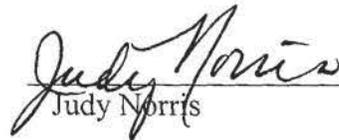
CERTIFICATE OF SERVICE

I, Judy Norris, a secretary with the law firm of Holland & Knight LLP, hereby certify that a copy of the foregoing Comments were sent via hand delivery on this 29th day of April, 2015, to the following:

Barbara Kreisman
Chief, Video Division
Media Bureau
Federal Communications Commission
445 12th Street, S.W.
Washington, DC 20554

Kevin Harding
Associate Division Chief, Video Division
Media Bureau
Federal Communications Commission
445 12th Street, S.W.
Washington, DC 20554

Joyce Bernstein*
Attorney Advisor, Video Division
Media Bureau
Federal Communications Commission
445 12th Street, S.W.
Washington, DC 20554


Judy Norris

* Also sent a copy by electronic mail