



1671 W. Sunrise Blvd.  
 Ste.110  
 Sunrise, FL 33323

MODIFICATION – LMS#0000013642

Facility ID: 184503

K32KV-LD Ch. 32 Jefferson City, MO

Date: 19-Dec-2017 Rev:

## 1 Scope

Applicant submits this application pursuant to the terms of the Consent Decree entered into between DTV America Corporation and the FCC’s Media Bureau. *See DTV America Corp., et al., Consent Decree, DA 17-1058 (rel. Oct. 31, 2017).* The reference coordinates and operational parameters in this application are based on the coordinates and parameters included in the corresponding application listed in Appendix E to the Consent Decree. *See id.* at App. E. Where necessary, Applicant has made minor adjustments to the originally defined parameters to avoid interference to primary broadcast facilities or to account for site-availability issues. *See id.* ¶ 24. Deviations from the originally defined parameters comply with Part 74 of the Commission’s rules and the terms of the Consent Decree. *Id.*

DTV America proposes the following operating parameters for K32KV-LD to address co-channel interference caused to KSMO-DT.

## 2 Authorization Containing Station’s Modified Terms and Coordinates

Permit File Number:	0000013389		
Station Location:	Jefferson, MO		
Frequency (MHz):	578-584		
Channel:	38		
Antenna Type:	Directional – DIE TUA-P2-0641	Rotation: 270°	
Coordinates (NAD83):	Latitude	38° 46’ 45.9” N	Longitude 093° 50’ 36.1” W
Maximum ERP:	6.0 kW		
Radiation Center AGL:	17.4 m		
Radiation Center AMSL:	286.4 m		
Antenna Structure Reg No:	N/A		

## 3 Proposed Facility

Antenna Structure Reg No:	1022211		
Coordinates (NAD83):	Latitude	38° 43’ 23.4” N	Longitude 093° 13’ 47.6” W
Radiation Center AGL:	100.0 m		
Radiation Center AMSL:	363.9 m		
Antenna Type:	Directional - TUA-C2D	Rotation: 100°	
Maximum ERP:	6.0 kW		



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#### 4 TV Study Interference Check

Study created: 2017.12.19 13:08:13

Study build station data: LMS TV 2017-12-18 (19)

Proposal: K32KV-MOD D32 LD LIC JEFFERSON CITY, MO  
File number: K32KV-ASR1022211  
Facility ID: 184503  
Station data: User record  
Record ID: 92  
Country: U.S.

Build options:  
Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KSMO-TV	D32	DT	CP	KANSAS CITY, MO	BLANK0000024829	114.9 km

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32  
Mask: Full Service  
Latitude: 38 43 23.30 N (NAD83)  
Longitude: 93 13 46.90 W  
Height AMSL: 286.4 m  
HAAT: 0.0 m  
Peak ERP: 6.00 kW  
Antenna: DIE-TUA-C2D 90.0 deg  
Elev Patrn: Generic

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.17 kW	47.4 m	22.6 km
45.0	6.00	56.3	32.4
90.0	4.77	29.4	24.6
135.0	5.89	31.1	25.7
180.0	1.28	21.1	18.5
225.0	0.006	22.8	4.9
270.0	0.001	44.0	3.9
315.0	0.006	39.5	5.6

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 36 m

Distance to Canadian border: 928.7 km

Distance to Mexican border: 1245.3 km



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Conditions at FCC monitoring station: Grand Island NE  
Bearing: 300.5 degrees Distance: 506.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 282.3 degrees Distance: 1040.8 km

Study cell size: 1.00 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%

Proposal receives 5.46% interference from scenario 1  
No IX check failures found.



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