



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

MODIFICATION – LMS#0000004390

Facility ID: 184636

KMQV-LD Ch. 49 Minneapolis, MN

Date: 05-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.*

Due to lack of viable structures within the immediate vicinity of the facility listed under Appendix E of the Decree, DTV America proposes an alternate tower ASR1059372.

2 Authorization Containing Station's Modified Terms and Coordinates

Permit File Number:	0000004390		
Station Location:	Minneapolis, MN		
Frequency (MHz):	554-560		
Channel:	28		
Antenna Type:	Directional – DIE TUA-P2-0641	Rotation: 340°	
Coordinates (NAD83):	Latitude 44° 41' 43.0" N	Longitude 093° 01' 25.0" W	
Maximum ERP:	6.0 kW		
Radiation Center AGL:	17.4 m		
Radiation Center AMSL:	299.37 m		
Antenna Structure Reg No:	N/A		

3 Proposed Facility

Antenna Structure Reg No:	1059372		
Coordinates (NAD83):	Latitude 44° 32' 53.0" N	Longitude 093° 32' 11.0" W	
Distance from Permit:	27.3 miles		
Radiation Center AGL:	110.0 m		
Radiation Center AMSL:	417.2 m		



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Antenna Type: Non-Directional - TUA-O4-06/24M-T Rotation: N/A

Maximum ERP: 15.0 kW

4 TV Study Interference Check

Study created: 2017.11.20 11:30:03

Study build station data: LMS TV 2017-11-20 (7)

Proposal: KMQV-MOD D49 LD APP Minneapolis, MN
File number: KMQV-ASR1059372
Facility ID: 184636
Station data: User record
Record ID: 22
Country: U.S.

Build options:

Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
K49HE-D	D49	LD	LIC	ST. JAMES, MN	BLANK00000026860	97.5 km
WEUX	D49	DT	LIC	CHIPPEWA FALLS, WI	BLCDT20090331ACJ	154.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D49
Mask: Full Service
Latitude: 44 32 53.00 N (NAD83)
Longitude: 93 32 11.00 W
Height AMSL: 417.2 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic

51.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	126.7 m	44.1 km
45.0	15.0	120.7	43.7
90.0	15.0	101.2	41.8
135.0	15.0	88.6	40.3
180.0	15.0	95.1	41.1
225.0	15.0	102.6	42.0
270.0	15.0	115.2	43.2
315.0	15.0	132.9	44.5



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Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 110 m

Distance to Canadian border: 416.9 km

Distance to Mexican border: 1781.9 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 226.4 degrees Distance: 567.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 247.1 degrees Distance: 1075.9 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 5.28% interference from scenario 1
Proposal receives 5.63% interference from scenario 2
No IX check failures found.



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5 51dBu Contour

