



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

MODIFICATION – LMS#0000004405

Facility ID: 188741

KMKI-LD Ch. 46 Cedar Rapids, IA

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 ASR1017229.

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

Permit File Number:	000004405	
Station Location:	Cedar Rapids, IA	
Frequency (MHz):	662-668	
Channel:	46	
Antenna Type:	Directional – DIE TUA-P2-0641	Rotation: 120°
Coordinates (NAD83):	Latitude 42° 29' 00" N Longitude 092° 22' 23.0" W	
Maximum ERP:	6.0 kW	
Radiation Center AGL:	17.4 m	
Radiation Center AMSL:	278.0 m	
Antenna Structure Reg No:	N/A	

## 3 Proposed Facility

Antenna Structure Reg No:	1017229
Coordinates (NAD83):	Latitude 42° 32' 1.0" N Longitude 092° 15' 37.0" W
Distance from Permit:	6.7 miles
Radiation Center AGL:	100.0 m
Radiation Center AMSL:	390.8 m



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Antenna Type: Non-Directional - TUA-O4-06/24-M-T Rotation: N/A  
Maximum ERP: 15.0 kW

#### 4 TV Study Interference Check

Study created: 2017.11.30 10:43:15

Study build station data: LMS TV 2017-11-29 (13)

Proposal: KMKI-MOD D46 LD LIC Cedar Rapids, IA  
File number: KMKI-ASR1017229  
Facility ID: 188741  
Station data: User record  
Record ID: 42  
Country: U.S.

Build options:  
Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KXLT-TV	D46	DT	LIC	ROCHESTER, MN	BLCDT20060925AJB	125.2 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: D46  
Mask: Full Service  
Latitude: 42 32 1.00 N (NAD83)  
Longitude: 92 15 36.30 W  
Height AMSL: 390.8 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic

51.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	95.1 m	41.4 km
45.0	15.0	95.9	41.5
90.0	15.0	96.9	41.6
135.0	15.0	111.1	43.1
180.0	15.0	134.6	44.9
225.0	15.0	116.9	43.6
270.0	15.0	124.5	44.2
315.0	15.0	100.6	42.0



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Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 109 m

Distance to Canadian border: 614.8 km

Distance to Mexican border: 1636.3 km

Conditions at FCC monitoring station: Allegan MI  
Bearing: 87.0 degrees    Distance: 516.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 260.6 degrees    Distance: 1112.6 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%

No IX check failures found.



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## 5 51dBu Contour

