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:	000004392	
Station Location:	Cedar Rapids, IA	
Frequency (MHz):	590-596	
Channel:	34	
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	

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: 2017.11.29 13:20:21

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

    Proposal: KMZM-MOD D34 LD LIC Cedar Rapids, IA
 File number: KMZM-ASR1017229
 Facility ID: 188740
Station data: User record
   Record ID: 40
     Country: U.S.

Build options:
Protect records not on baseline channel

No protected stations found.

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D34
       Mask: Full Service
   Latitude:  42 32  1.00 N (NAD83)
  Longitude:  92 15 37.00 W
Height AMSL: 390.8 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic

50.7 dBu contour:
Azimuth      ERP        HAAT   Distance
  0.0 deg   15.0 kW    95.1 m   42.5 km
 45.0       15.0       95.9     42.6
 90.0       15.0       96.9     42.7
135.0       15.0      111.1     44.3
180.0       15.0      134.6     46.0
225.0       15.0      116.8     44.8
270.0       15.0      124.5     45.3
315.0       15.0      100.7     43.2

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.

5 51dBu Contour

