



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

MODIFICATION – LMS#0000007045

Facility ID: 186287

KRLJ-LD Ch. 45 Joplin, MO

Date: 08-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 to collocate this station with KPJO-LD at ASR1217160.

2 Authorization Containing Station’s Modified Terms and Coordinates

Permit File Number:	0000007045		
Station Location:	Joplin, MO		
Frequency (MHz):	656-672		
Channel:	45		
Antenna Type:	Directional – DIE TUA-P2-0641	Rotation: 90°	
Coordinates (NAD83):	Latitude	37° 04’ 43.8” N	Longitude 094° 14’ 21.3” W
Maximum ERP:	6.0 kW		
Radiation Center AGL:	17.4 m		
Radiation Center AMSL:	344.4 m		
Antenna Structure Reg No:	N/A		

3 Proposed Facility

Antenna Structure Reg No:	1217160		
Coordinates (NAD83):	Latitude	37° 11’ 29.9” N	Longitude 094° 41’ 18.16” W
Distance from Permit:	26.0 miles		
Radiation Center AGL:	95.0 m		
Radiation Center AMSL:	362.3 m		



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Antenna Type: Non-Directional - TUA-O4-06/24M-T Rotation: N/A
Maximum ERP: 2.0 kW

4 TV Study Interference Check

Study created: 2017.12.01 14:53:18

Study build station data: LMS TV 2017-11-30 (15)

Proposal: KRLJ-MOD D45 LD LIC JOPLIN, MO
File number: KRLJ-ASR1217160
Facility ID: 186287
Station data: User record
Record ID: 58
Country: U.S.

Build options:
Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KOTV-DT	D45	DT	LIC	TULSA, OK	BLCDT20090625ACJ	157.1 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: D45
Mask: Full Service
Latitude: 37 11 30.10 N (NAD83)
Longitude: 94 41 19.00 W
Height AMSL: 362.3 m
HAAT: 0.0 m
Peak ERP: 2.00 kW
Antenna: Omnidirectional
Elev Pattrn: Generic

51.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.00 kW	96.3 m	31.5 km
45.0	2.00	93.7	31.2
90.0	2.00	92.5	31.0
135.0	2.00	86.2	30.2
180.0	2.00	107.4	32.7
225.0	2.00	92.6	31.0
270.0	2.00	89.2	30.6
315.0	2.00	87.4	30.4



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Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 93 m

Distance to Canadian border: 1122.0 km

Distance to Mexican border: 1032.5 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 323.3 degrees Distance: 525.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 292.8 degrees Distance: 969.9 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%

No IX check failures found.



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