



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

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Study build station data: LMS TV 2020-08-16

Proposal: KTKA-TV D16 DT CP TOPEKA, KS
File number: BLANK0000034844
Facility ID: 49397
Station data: User record
Record ID: 2479
Country: U.S.
Zone: II

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KSNW	D15	DT	LIC	WICHITA, KS	BLANK00000107924	196.8 km
No	KMOS-TV	D15	DT	LIC	SEDALIA, MO	BLEDT20030108ABK	267.7
No	KFXL-TV	D15	DT	LIC	LINCOLN, NE	BLANK00000105938	198.3
No	KDSM-TV	D16	DT	LIC	DES MOINES, IA	BLCDT20110609ABE	367.5
Yes	KOOD	D16	DT	LIC	HAYS, KS	BLEDT20030423ABE	245.6
Yes	KOZK	D16	DT	LIC	SPRINGFIELD, MO	BLANK00000096081	331.8
No	KOCM	D16	DT	LIC	NORMAN, OK	BLANK00000072046	409.4
No	KWHB	D16	DT	LIC	TULSA, OK	BLANK00000067852	331.6
Yes	KAAS-TV	D17	DT	CP	SALINA, KS	BLANK00000035657	127.2
Yes	KAAS-TV	D17	DT	LIC	SALINA, KS	BLCDT20021120AAP	127.2
No	KSNF	D17	DT	LIC	JOPLIN, MO	BLANK00000071604	247.4
No	KYNE-TV	D17	DT	LIC	OMAHA, NE	BLANK00000019249	253.9
No	KYNE-TV	D17	DT	CP	OMAHA, NE	BLANK00000035901	253.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D16
Latitude: 39 1 34.00 N (NAD83)
Longitude: 95 55 2.00 W
Height AMSL: 769.1 m
HAAT: 448.2 m
Peak ERP: 150 kW
Antenna: ERI ATW17H3-ETP230-16L (ID 1002531) 0.0 deg
Elev Pattn: Generic
Elec Tilt: 0.75

38.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	20.5 kW	472.5 m	83.6 km
45.0	46.2	483.8	90.0
90.0	150	457.9	97.5
135.0	46.2	428.8	86.9
180.0	20.5	424.9	81.3
225.0	46.2	423.7	86.6
270.0	150	427.5	95.4
315.0	46.2	466.1	88.8

Distance to Canadian border: 1060.7 km

Distance to Mexican border: 1144.4 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 315.4 degrees Distance: 300.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 281.6 degrees Distance: 806.3 km

No land mobile station failures found

Study cell size: 2.00 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 causes 0.08% interference to BLEDT20030423ABE LIC scenario 2

Proposal causes 0.00% interference to BLANK0000096081 LIC scenario 1

Proposal causes 0.10% interference to BLANK0000035657 CP scenario 1

Proposal causes 0.37% interference to BLCDT20021120AAP LIC scenario 1

---- Below is IX received by proposal BLANK0000034844 ----

Proposal receives 0.80% interference from scenario 1

Proposal receives 0.70% interference from scenario 2

No IX check failures found.