

Study created: 2018.04.04 17:40:35

Study build station data: LMS TV 2018-04-03

Proposal: KPJO-LP D21 LD LIC PITTSBURG, KS
File number: BLANK0000001452
Facility ID: 127415
Station data: User record
Record ID: 1217
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File
Number		Distance				
No	KFLU-LD	D20	LD	LIC	FORT SMITH, AR	
	BLANK0000008907	124.4	km			
No	KUKC-LD	D20	LD	LIC	KANSAS CITY, MO	
	BLDTL20150205AAF	209.9				
No	KFKY-LD	D20	LD	LIC	Springfield, MO	
	BLANK0000007879	85.8				
No	KFKY-LD	D20	LD	CP	Springfield, MO	
	BLANK0000012997	128.8				
No	KQCW-DT	D20	DT	APP	MUSKOGEE, OK	
	BLANK0000035925	157.1				
No	KQCW-DT	D20	DT	LIC	MUSKOGEE, OK	
	BMLCDT20130823ACR	188.5				
Yes	KHBS	D21	DT	LIC	FORT SMITH, AR	
	BLCDT20031121AMR	235.7				
No	K21JS	N21	TX	LIC	HARRISON, AR	
	BLTTL20111121DXG	168.0				
No	K21JS	D21	LD	CP	HARRISON, AR	
	BDFCDTL20091204AEC	168.0				
No	KKYK-CD	D21	DC	CP	LITTLE ROCK, AR	
	BLANK0000029217	331.1				
No	KKSU-LD	D21z	LD	LIC	MANHATTAN, KS	
	BLANK0000008588	277.0				
No	KKSU-LD	N21z	TX	LIC	MANHATTAN, KS	
	BLTTL19950512ID	277.0				
No	KAKE	D21	LD	LIC	WICHITA, KS	
	BLCDT20100308ABF	258.1				
Yes	KRFT-LD	D21	LD	LIC	SPRINGFIELD, MO	
	BLDTL20110913ACE	128.8				
Yes	KTAJ-TV	D21	DT	LIC	ST. JOSEPH, MO	
	BLCDT20060703AAK	204.0				
No	KWBE-LD	D21	LD	LIC	BEATRICE, NE	
	BLANK0000008496	386.4				

No	KUOT-CD	D21	DC	CP	OKLAHOMA CITY, OK
	BLANK0000033588		320.5		
No	KTOU-LD	D21	LD	LIC	OKLAHOMA CITY, OK
	BLDTL20110519AAQ		321.9		
No	K22HS-D	D22	LD	LIC	EUREKA SPRINGS, AR
	BLDTL20110517ADA		124.6		
No	K22KX-D	D22	LD	CP	EMPORIA, KS
	BNPDTL20100930ARN		188.6		
No	KMJC-LD	D22	LD	LIC	Kansas City, KS
	BLANK0000016622		155.1		
Yes	KGCS-LD	D22	LD	LIC	JOPLIN, MO
	BLDTL20080918AAO		14.6		
No	KRBK	D22	DT	CP	OSAGE BEACH, MO
	BLANK0000035634		154.0		
No	KOKI-TV	D22	DT	LIC	TULSA, OK
	BLCDT20021127AGL		156.8		

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D21
 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: 15.0 kW
 Antenna: DIE-DLP-8B (ID 100585) 170.0 deg
 Elev Pattn: Generic

49.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	7.12 kW	96.3 m	40.4 km
45.0	5.94	93.7	39.2
90.0	7.97	92.5	40.5
135.0	13.1	86.2	42.1
180.0	14.9	107.4	45.3
225.0	10.9	92.6	42.0
270.0	6.40	89.2	38.9
315.0	6.42	87.4	38.7

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

No land mobile station failures found

Study cell size: 0.50 km

Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

----- Below is IX received by proposal BLANK0000001452 -----

Proposal receives 15.79% interference from scenario 1

No IX check failures found.