

K17FU-D Present Allocation Interference Study

Study created: 2018.05.17 14:29:32

Study build station data: LMS TV 2018-05-14

Proposal: K17FU-D D17 LD LIC MARSHFIELD, MO
File number: BLDLTL20091102ACM
Facility ID: 48526
Station data: LMS TV 2018-05-14
Record ID: b5e4039d5c1046dc90b1cf6212b6c0ea
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KAJL-LD	D16	LD	LIC	FAYETTEVILLE, AR	BLANK0000004346	169.6 km
No	K16IS-D	D16	LD	CP	PITTSBURG, KS	BNPDTL20100106AGF	159.8
Yes	KOZK	D16	DT	CP	SPRINGFIELD, MO	BLANK0000034615	16.5
No	K17LD-D	D17	LD	CP	FAYETTEVILLE, AR	BNPDTL20100728ACL	176.1
No	K17LV-D	D17	LD	CP	PARAGOULD, AR	BNPDTL20101019AAN	256.2
No	WAND	D17	DT	LIC	DECATUR, IL	BLCDT20130709ABN	463.1
No	WTCT	D17	DT	LIC	MARION, IL	BLCDT20060629ACN	348.8
No	KPTS	D17	LD	LIC	HUTCHINSON, KS	BLEDT20131106AHP	390.0
No	KAAS-TV	D17	DT	APP	SALINA, KS	BLANK0000035657	434.3
No	KAAS-TV	D17	DT	LIC	SALINA, KS	BLCDT20021120AAP	434.3
No	WKMU	D17	DT	CP	MURRAY, KY	BLANK0000034644	399.1
Yes	K17DL-D	D17	LD	LIC	BRANSON, MO	BLDTL20090522ABA	69.0
Yes	KMIZ	D17	DT	LIC	COLUMBIA, MO	BLCDT20110722ADS	165.9
Yes	KSNF	D17	DT	CP	JOPLIN, MO	BLANK0000034752	143.3
No	KAJF-LD	D17	LD	APP	Kansas City, MO	BLANK0000051646	232.0
No	KUMO-LD	D17	LD	CP	ST LOUIS, MO	BDISDTL20110825AAL	270.2
No	KTEN	D17	DT	CP	ADA, OK	BLANK0000034216	461.5
No	KDOR-TV	D17	DT	LIC	BARTLESVILLE, OK	BLCDT20140331AHG	264.8
No	KUTU-CD	D17	DC	CP	TULSA, OK	BLANK0000026567	299.1
No	WPGF-LD	D17	LD	LIC	MEMPHIS, TN	BLDTL20100111AFJ	366.6
No	KFSM-TV	D18	DT	LIC	FORT SMITH, AR	BLCDT20060530AIM	196.5
No	K18KK-D	D18	LD	CP	COLUMBIA, MO	BLANK0000035620	165.9
No	KDKZ-LD	D18	LD	LIC	FARMINGTON, MO	BLANK0000029554	218.3
No	KIAP-LD	D18	LD	APP	JOPLIN, MO	BLANK0000052619	157.1
No	KCPT	D18	DT	LIC	KANSAS CITY, MO	BLEDT20090821AAU	236.8

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
KMRF 1510 L DA2 C MARSHFIELD, MO BL20030804AFM
KMRF 1510 L DA2 D MARSHFIELD, MO BL20030804AFM

Record parameters as studied:

Channel: D17
Mask: Simple
Latitude: 37 19 1.20 N (NAD83)
Longitude: 92 57 51.60 W
Height AMSL: 503.8 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: ACS-ACS24P4(17) (ID 72396) 0.0 deg
Elev Pattnr: Generic
Elec Tilt: 0.50

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49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.600 kW	113.5 m	30.0 km
45.0	3.75	86.5	36.4
90.0	13.8	68.5	40.1
135.0	2.05	67.8	30.7
180.0	2.28	62.7	30.5
225.0	4.13	80.1	36.0
270.0	13.8	101.6	44.8
315.0	1.01	103.2	31.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 85 m

Distance to Canadian border: 985.8 km

Distance to Mexican border: 1145.4 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 312.1 degrees Distance: 618.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 290.1 degrees Distance: 1106.9 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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%

**IX check failure to BLANK0000034752 CP scenario 1, 0.70% interference caused
**IX check failure to BLANK0000034752 CP scenario 2, 0.70% interference caused
**IX check failure to BLANK0000034752 CP scenario 3, 0.72% interference caused
**IX check failure to BLANK0000034752 CP scenario 4, 0.72% interference caused
**IX check failure to BLANK0000034752 CP scenario 5, 0.70% interference caused
**IX check failure to BLANK0000034752 CP scenario 6, 0.70% interference caused
**IX check failure to BLANK0000034752 CP scenario 7, 0.72% interference caused
**IX check failure to BLANK0000034752 CP scenario 8, 0.72% interference caused
**IX check failure to BLANK0000034752 CP scenario 9, 0.70% interference caused
**IX check failure to BLANK0000034752 CP scenario 10, 0.70% interference caused
**IX check failure to BLANK0000034752 CP scenario 11, 0.72% interference caused
**IX check failure to BLANK0000034752 CP scenario 12, 0.72% interference caused
**IX check failure to BLANK0000034752 CP scenario 13, 0.70% interference caused
**IX check failure to BLANK0000034752 CP scenario 14, 0.70% interference caused
**IX check failure to BLANK0000034752 CP scenario 15, 0.72% interference caused
**IX check failure to BLANK0000034752 CP scenario 16, 0.72% interference caused

---- Below is IX received by proposal BLDTL20091102ACM ----

Proposal receives 38.66% interference from scenario 1