

tvstudy v2.2.5 (4uoc83)  
 Database: localhost, Study: KFMF CHANNEL 35, Model: Longley-Rice  
 Start: 2020.07.24 09:19:57

Study created: 2020.07.24 09:19:57

Study build station data: LMS TV 2020-07-23

Proposal: KFMF-LD D35 LD CP SPARKS, NV  
 File number: KFMF CHANNEL 35  
 Facility ID: 182107  
 Station data: User record  
 Record ID: 690  
 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	K48KB	D34z	LD	CP	CHICO, CA	BLANK0000054000	194.0 km
No	K34KK-D	D34	LD	LIC	LITCHFIELD, CA	BLDTT20091029ABY	74.0
No	KEZT-CD	D34	DC	LIC	SACRAMENTO, CA	BLANK0000115780	183.9
No	K23DT-D	D34	LD	CP	TAHOE CITY, CA	BLANK0000092818	31.2
No	K34QL-D	D34	LD	LIC	FALLON, NV	BLANK0000090916	90.4
No	K34BL-D	D34	LD	LIC	LOVELOCK, NV	BLDTT20100521ABK	109.0
No	K34LE-D	D34	LD	LIC	SHURZ, NV	BLDTT20110609AAS	104.0
No	K350Z-D	D35	LD	CP	CHICO, CA	BLANK0000071815	186.5
No	K35LF-D	D35	LD	LIC	EUREKA, CA	BLDTT20140829ACM	376.7
No	KZMM-CD	D35	DC	LIC	FRESNO, CA	BLANK0000063667	281.0
No	K35PG-D	D35	LD	CP	REDDING, CA	BNPDTL20090825BPG	260.1
No	KCRA-TV	D35	DT	LIC	SACRAMENTO, CA	BMLCDT20110630AGB	207.0
No	KG0-TV	D35	LD	LIC	SAN FRANCISCO, CA	BLCDT20111201NY0	293.4
No	K35JX-D	D35	LD	LIC	WESTWOOD, CA	BLDTT20100722HYE	127.9
No	K46FB-D	D35	LD	CP	AUSTIN, NV	BLANK0000054902	207.5
No	K35LP-D	D35	LD	CP	BATTLE MOUNTAIN, NV	BNPDTL20100512AHN	288.4
No	K35BR	N35	TX	LIC	CARLIN, NV	BLTTL19891211IX	337.6
No	K35KM-D	D35	LD	LIC	EUREKA, NV	BLDTT20111230AAJ	328.7
No	K35GD-D	D35	LD	LIC	GOLCONDA, NV	BLDTT20100108ABV	263.4
No	K35AX-D	D35	LD	LIC	HAWTHORNE, NV	BLDTT20100706HQD	153.8
Yes	K35FL-D	D35	LD	LIC	SILVER SPRINGS, NV	BLDTT20100729AAP	44.0
No	KHSL-TV	D36	DT	LIC	CHICO, CA	BLANK0000063624	168.8
No	KXTV	D36	LD	LIC	SACRAMENTO, CA	BLANK0000063113	185.8
No	K36HH-D	D36	LD	LIC	SUSANVILLE, ETC, CA	BLDTT20101207AFN	107.0
No	KYUB-LD	D36	LD	LIC	YUBA CITY, CA	BLANK0000019191	143.6
No	K36NA-D	D36	LD	CP	FERNLEY, NV	BNPDTL20100512AGY	46.8
No	K36NB-D	D36	LD	CP	INCLINE VILLAGE, NV	BNPDTL20100611AHQ	31.2
No	K36GL-D	D36	LD	LIC	LOVELOCK, NV	BLDTT20110721AAT	109.0
No	K36FF-D	D36	LD	LIC	SHURZ, NV	BLDTT20110609AAR	104.0
Yes	K360B-D	D36	LD	LIC	Verdi, NV	BLANK0000117788	11.4
No	K38FW	N38+	TX	LIC	STATELINE, NV	BLTTL20030205AAP	70.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D35  
 Mask: Full Service  
 Latitude: 39 35 0.90 N (NAD83)  
 Longitude: 119 47 59.70 W  
 Height AMSL: 1675.0 m  
 HAAT: 124.0 m  
 Peak ERP: 5.00 kW  
 Antenna: KAT-K72314 (ID 19753) 159.0 deg  
 Elev Pattn: Generic

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.011 kW	44.7 m	6.8 km
45.0	0.025	245.5	19.2
90.0	0.026	185.5	16.9
135.0	3.31	234.1	44.2
180.0	3.66	300.1	48.1
225.0	0.196	150.0	24.8
270.0	0.025	-303.7	6.8
315.0	0.007	135.7	10.5

Distance to Canadian border: 1005.4 km

Distance to Mexican border: 805.1 km

Conditions at FCC monitoring station: Livermore CA  
 Bearing: 220.0 degrees Distance: 267.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 82.4 degrees Distance: 1241.2 km

Study cell size: 1.00 km  
Profile point spacing: 0.50 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

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Interference to BLDTT20100729AAP LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K35FL-D	D35	LD	LIC	SILVER SPRINGS, NV	BLDTT20100729AAP	
Undesireds:	KFMF-LD	D35	LD	CP	SPARKS, NV	KFMF CHANNEL 35	44.0 km
	K35AX-D	D35	LD	LIC	HAWTHORNE, NV	BLDTT20100706HQD	123.3
	K36NA-D	D36	LD	CP	FERNLEY, NV	BNPDTL20100512AGY	15.3
Service area	5433.2	66,158	Terrain-limited	4595.2	64,137	IX-free, before	4592.2 64,137
						IX-free, after	4588.3 64,137
						Percent New IX	0.09 0.00
Undesired			Total IX		Unique IX, before	Unique IX, after	
KFMF-LD D35 LD CP		4.0	0			4.0	0
K35AX-D D35 LD LIC		2.0	0	2.0	0	2.0	0
K36NA-D D36 LD CP		1.0	0	1.0	0	1.0	0

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Interference to BLANK0000117788 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K360B-D	D36	LD	LIC	Verdi, NV	BLANK0000117788	
Undesireds:	KFMF-LD	D35	LD	CP	SPARKS, NV	KFMF CHANNEL 35	11.4 km
	KICU-TV	D36	DT	APP	SAN JOSE, CA	BLANK0000035729	287.6
	K36HH-D	D36	LD	LIC	SUSANVILLE, ETC, CA	BLDTT20101207AFN	102.2
	K36NA-D	D36	LD	CP	FERNLEY, NV	BNPDTL20100512AGY	58.1
	K36NB-D	D36	LD	CP	INCLINE VILLAGE, NV	BNPDTL20100611AHQ	31.1
Service area	7566.1	521,367	Terrain-limited	5162.6	425,747	IX-free, before	5150.6 425,747
						IX-free, after	5149.6 425,702
						Percent New IX	0.02 0.01
Undesired			Total IX		Unique IX, before	Unique IX, after	
KFMF-LD D35 LD CP		1.0	45			1.0	45
K36HH-D D36 LD LIC		1.0	0	1.0	0	1.0	0
K36NA-D D36 LD CP		10.0	0	10.0	0	10.0	0
K36NB-D D36 LD CP		1.0	0	1.0	0	1.0	0

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KFMF-LD	D35	LD	CP	SPARKS, NV	KFMF CHANNEL 35	
Undesireds:	K23DT-D	D34	LD	CP	TAHOE CITY, CA	BLANK0000092818	31.2 km
	K35JX-D	D35	LD	LIC	WESTWOOD, CA	BLDTT20100722HYE	127.9
Service area	2309.7	445,564	Terrain-limited	1647.1	373,751	IX-free	1645.1 373,751
						Percent IX	0.12 0.00
Undesired			Total IX		Unique IX	Prcnt Unique IX	
K23DT-D D34 LD CP		1.0	0	1.0	0	0.06	0.00
K35JX-D D35 LD LIC		1.0	0	1.0	0	0.06	0.00