

# INTERFERENCE ANALYSIS FOR PROPOSED KESE-LD, YUMA, AZ, CHANNEL 35 (CORRECTION OF ANTENNA HEIGHT)

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: kese-ld, Model: Longley-Rice

Study build station data: LMS TV 2022-07-05

Proposal: KESE-LD D35 LD APP YUMA, AZ  
File number: kese-ld  
Facility ID: 19781  
Station data: User record  
Record ID: 4730  
Country: U.S.

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	DK28FM	N28z	TX	APP	YUMA, AZ	BLTTL20001006AAL	21.1 km
No	K35MU-D	D35	LD	LIC	COTTONWOOD, ETC., AZ	BLANK0000063714	320.5
No	K35EI-D	D35	LD	LIC	DOLAN SPRINGS, AZ	BLDTT20130308AAY	329.5
No	K35MX-D	D35	LD	LIC	KINGMAN, AZ	BLANK0000071731	277.8
No	KFPH-CD	D35	DC	LIC	PHOENIX, AZ	BLANK0000106229	245.1
No	KFPH-CD	D35	DC	LIC	PHOENIX, AZ	BLDTA20110405AAY	245.1
No	K35OU-D	D35	LD	LIC	TUCSON, AZ	BLANK0000067363	361.1
No	KTLA	D35	DT	LIC	LOS ANGELES, CA	BLANK0000166994	369.8
Yes	K35LA-D	D35	LD	LIC	PALM SPRINGS, CA	BLDTT20110926AGO	221.1
No	KVSD-LD	D35	LD	LIC	SAN DIEGO, CA	BLANK0000160941	228.9
No	KVTE-LD	D35	LD	APP	LAS VEGAS, NV	BLANK0000062902	369.9
No	KVTE-LD	D35	LD	LIC	LAS VEGAS, NV	BLDTL20140611ADE	395.6
No	KVTE-LD	N35z	TX	LIC	LAS VEGAS, NV	BLTTL20040811AAP	369.9
No	KNTL-LD	D35z	LD	LIC	LAUGHLIN, NV	BLANK0000093205	290.3
Yes	KAJB	D36	DT	LIC	CALIPATRIA, CA	BLCDT20090320AAI	51.8
No	KSKT-CD	D36	DC	LIC	SAN MARCOS, CA	BLANK0000068950	228.9
No	KSKT-CD	D36	DC	CP	SAN MARCOS, CA	BLANK0000190667	228.9
Yes	XHBM	D34	DT	LIC	MEXICALI, BN	BLANKBPFS166094XXX	87.5
No	XHAS	D34	DT	LIC	TIJUANA, BN	BLANKBPFS20160302ADV	232.8
No	XHSV	D35	DT	LIC	CABORCA, SO	BLANKBPFS20160224AAX	311.6

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: 32 38 31.00 N (NAD83)

Longitude: 114 33 37.00 W

Height AMSL: 122.0 m

HAAT: 58.0 m

Peak ERP: 8.00 kW

Antenna: AND-ALP8L1-HSMR (ID 16982) 315.0 deg

Elev Pattn: Generic

Elec Tilt: 0.25

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	5.11 kW	76.9 m	34.6 km
45.0	1.92	68.5	28.5
90.0	0.249	29.9	12.0
135.0	0.139	27.5	10.4
180.0	0.249	47.4	15.0
225.0	1.92	64.0	27.8
270.0	5.11	79.6	35.0
315.0	8.00	69.9	35.8

Distance to Canadian border: 1818.3 km

\*\*Proposal is within coordination distance of Mexican border

Distance to Mexican border: 17.1 km

Conditions at FCC monitoring station: Douglas AZ

Bearing: 104.0 degrees Distance: 479.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 42.4 degrees Distance: 1175.2 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

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

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Interference to BLDTT20110926AGO LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K35LA-D	D35	LD	LIC	PALM SPRINGS, CA	BLDTT20110926AGO	
Undesireds:	KESE-LD	N35	TX	LIC	YUMA, AZ	BLTTL20001117AAJ	221.1 km
	KESE-LD	D35	LD	APP	YUMA, AZ	kese-ld	221.1
	K34EU-D	N34-	TX	LIC	MORONGO VALLEY, CA	BLTTL19970721JR	24.3
	K35MX-D	D35	LD	LIC	KINGMAN, AZ	BLANK0000071731	268.3
	KABE-CD	D35	DC	LIC	BAKERSFIELD, CA	BLANK0000081347	273.8
	KTLA	D35	DT	LIC	LOS ANGELES, CA	BLANK0000166994	155.5
	KVTE-LD	D35	LD	APP	LAS VEGAS, NV	BLANK0000062902	263.6
	KNTL-LD	D35z	LD	LIC	LAUGHLIN, NV	BLANK0000093205	218.1
	KEVC-CD	D36	DC	LIC	INDIO, CA	BLANK0000001550	0.2
	KSKT-CD	D36	DC	LIC	SAN MARCOS, CA	BLANK0000068950	107.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	7004.1	560,219	5072.1	455,989	4942.5	440,032	4940.5	440,032	0.04 <b>0.00</b>
Undesired				Total IX		Unique IX, before		Unique IX, after	
KESE-LD N35 TX LIC			0.0	0		0.0		0	
KESE-LD D35 LD APP			3.0	0			2.0	0	
K35MX-D D35 LD LIC			5.0	0		1.0	1.0	0	
KTLA D35 DT LIC			96.9	14,302		91.0	91.0	14,302	
KNTL-LD D35z LD LIC			6.0	0		1.0	1.0	0	
KEVC-CD D36 DC LIC			33.7	1,655		27.7	27.7	1,655	

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Interference to BLCDT20090320AAI LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAJB	D36	DT	LIC	CALIPATRIA, CA	BLCDT20090320AAI	
Undesireds:	KESE-LD	N35	TX	LIC	YUMA, AZ	BLTTL20001117AAJ	51.8 km
	KESE-LD	D35	LD	APP	YUMA, AZ	kese-ld	51.8
	KAZT-CD	D36	DC	LIC	PHOENIX, AZ	BLANK0000169528	259.2
	KEVC-CD	D36	DC	LIC	INDIO, CA	BLANK0000001550	174.3
	KNBC	D36	DT	CP	LOS ANGELES, CA	BLANK0000186858	326.8
	KSKT-CD	D36	DC	LIC	SAN MARCOS, CA	BLANK0000068950	199.8
	K36NE-D	D36	DC	LIC	LAS VEGAS, NV	BLANK0000059112	329.1

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	17852.5	383,884	16438.2	383,158	16121.0	382,307	16087.0	381,414	0.21 <b>0.23</b>
	3544.0	1,054,354	3537.0	1,051,353	3537.0	1,051,353	3530.0	1,049,685	0.20 0.16(in Mexico)
Undesired				Total IX		Unique IX, before		Unique IX, after	
KESE-LD N35 TX LIC			0.0	0		0.0		0	
KESE-LD D35 LD APP			37.0	893			34.0	893	
KESE-LD N35 TX LIC			0.0	0		0.0		0	(in Mexico)
KESE-LD D35 LD APP			7.0	1,668			7.0	1,668	(in Mexico)
KAZT-CD D36 DC LIC			1.0	0		1.0	1.0	0	
KEVC-CD D36 DC LIC			311.3	851		308.3	305.3	851	
KNBC D36 DT CP			7.9	0		5.0	5.0	0	

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Interference to BLANKBPFS166094XXX LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	XHBM	D34	DT	LIC	MEXICALI, BN	BLANKBPFS166094XXX	
Undesireds:	KESE-LD	N35	TX	LIC	YUMA, AZ	BLTTL20001117AAJ	87.5 km
	KESE-LD	D35	LD	APP	YUMA, AZ	kese-ld	87.5
	KMEX-DT	D34	DT	CP	LOS ANGELES, CA	BLANK0000035668	298.7
	LICITACIOND33		DT	LIC	SAN LUIS RIO COLORAD, SO	BLANKBPFSXXXX0016XXX	68.5
	XHAS	D34	DT	LIC	TIJUANA, BN	BLANKBPFS20160302ADV	145.3

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	6368.5	187,545	6194.5	187,534	6125.7	165,696	6125.7	165,696	0.00 0.00(in U.S.)
	7140.6	977,077	5304.2	974,483	5202.5	926,920	5202.5	926,920	0.00 <b>0.00</b>
Undesired				Total IX		Unique IX, before		Unique IX, after	
KESE-LD N35 TX LIC			0.0	0		0.0		0	
KESE-LD D35 LD APP			3.0	2			0.0	0	
KMEX-DT D34 DT CP			14.0	0		14.0	14.0	0	(in U.S.)
KMEX-DT D34 DT CP			8.0	0		6.0	6.0	0	
LICITACION D33 DT LIC			54.8	21,838		54.8	54.8	21,838	(in U.S.)
LICITACION D33 DT LIC			91.7	47,563		91.7	88.7	47,561	

XHAS D34 DT LIC	4.0	0	2.0	0	2.0	0
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Desired:	Call KESE-LD	Chan D35	Svc LD	Status APP	City, State YUMA, AZ	File Number kese-ld	Distance
Undesireds:	KFPH-CD	D35	DC	LIC	PHOENIX, AZ	BLANK0000106229	245.1 km
	KAJB	D36	DT	LIC	CALIPATRIA, CA	BLCDT20090320AAI	51.8
	Service area				Terrain-limited	IX-free	Percent IX
1973.2	183,899	1838.3		183,856	1835.3	183,856	0.16 0.00
326.1	63,228	326.1		63,228	326.1	63,228	0.00 0.00 (in Mexico)
Undesired							
KAJB D36 DT LIC		3.0		Total IX		Unique IX	Prcnt Unique IX
				0	3.0	0	0.16 0.00