

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: 01104\_05262021\_K48NJ\_182964, Model: Longley-Rice  
Start: 2021.05.26 14:27:42

Study created: 2021.05.26 14:27:42

Study build station data: LMS TV 2021-05-26

Proposal: K48NJ-D D26 LD APP NEEDLES, CA  
File number: 01103\_05262021\_K48NJ\_182964  
Facility ID: 182964  
Station data: User record  
Record ID: 1280  
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	K22DR	N22	TX	LIC	LAUGHLIN, NV	BLTT19911118JJ	48.3 km
No	K23BJ	N23	TX	LIC	LAKE HAVASU CITY, AZ	BLTTL19891127JR	33.3
Yes	K25HD-D	D25	LD	LIC	BULLHEAD CITY, AZ	BLDTA20111128FZD	48.0
No	K25PJ-D	D25	LD	LIC	CHLORIDE, AZ	BLANK0000071721	74.7
No	K25AL	N25	TX	LIC	LAKE HAVASU CITY, AZ	BLTTL19850927IA	45.5
No	K25DH-D	D25	LD	LIC	MEADVIEW, AZ	BLDTT20130308ABY	124.1
No	KJPO-LD	D25	LD	CP	PARKER, AZ	BLANK0000029870	199.6
No	K25QN-D	D25	LD	CP	DESERT CENTER, CA	BNPDTL20100514ACT	140.2
No	K25GK	D25+	LD	CP	JOSHUA TREE, CA	BLANK0000139136	148.8
No	K25GK	N25+	TX	LIC	JOSHUA TREE, CA	BLTT20000605AOK	148.8
No	K25QB-D	D25+	LD	LIC	LUCERNE VALLEY, CA	BLANK0000082018	211.4
No	KPVM-LD	D25	LD	LIC	PAHRUMP, NV	BLANK0000112505	130.2
No	K26NG-D	D26	LD	LIC	EAST FLAGSTAFF, AZ	BLANK0000058629	278.1
Yes	K26OK-D	D26	LD	LIC	LAKE HAVASU CITY, AZ	BLANK0000071722	33.4
No	K26GF-D	D26	LD	LIC	PEACH SPRINGS, AZ	BLDTT20130308ACF	132.9
No	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	287.5
No	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	381.4
No	K26KI-D	D26	LD	CP	BANNING, CA	BNPDTL20090825ACQ	230.9
No	K26FS	N26+	TX	LIC	BLYTHE, CA	BLTT20020311ABG	141.9
No	KMRZ-LD	D26	LD	CP	LOS ANGELES, CA	BLANK0000054819	291.6
No	K26MW-D	D26	LD	LIC	LUCERNE VALLEY, CA	BLANK0000116236	245.7
No	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	198.5
No	KZGN-LD	D26	LD	LIC	RIDGECREST, CA	BLANK0000141532	291.6

No	KSWB-TV	D26	DT	LIC	SAN DIEGO, CA	BLANK0000068712	319.8
No	KVSD-LD	D26	LD	LIC	SAN DIEGO, CA	BLDTL20130828AFL	297.2
No	KSKJ-CD	D26	DC	LIC	VAN NUYS, CA	BLANK0000071612	323.3
No	K26PN-D	D26	LD	CP	WINTERHAVEN, CA	BNPDTL20100510AAW	230.5
Yes	KTNV-TV	D26	DT	APP	LAS VEGAS, NV	BLANK0000145120	130.2
Yes	KGNG-LD	D26	LD	LIC	LAS VEGAS, NV	BLANK0000126700	130.2
No	K26NP-D	D26	LD	LIC	OVERTON, NV	BLANK0000137690	206.6
No	K20EC-D	D26	LD	LIC	KANAB, UT	BLANK0000059985	311.3
No	K26NZ-D	D26	LD	LIC	KANARRAVILLE, NEW HA, UT	BLANK0000091051	321.4
No	K26OA-D	D26	LD	LIC	PAROWAN, ENOCH, PARA, UT	BLANK0000091052	365.5
No	KVBT-LP	D26	LD	CP	SANTA CLARA, ETC., UT	BLANK0000054544	266.8
No	KDLU-LP	N26	TX	LIC	ST. GEORGE, UT	BLTTL19961024JB	265.4
No	K27DA-D	D27	LD	LIC	BIG SANDY VALLEY, AZ	BLDTT20130308AAI	73.4
No	K27NT-D	D27	LD	LIC	GOLDEN VALLEY, AZ	BLANK0000071725	57.1
No	K27EC-D	D27	LD	LIC	LAKE HAVASU CITY, AZ	BLDTA20110503ACV	33.5
No	KYPO-LP	N27	TX	LIC	TACNA, AZ	BLTTL20080818AAL	147.3
Yes	K27NR-D	D27	LD	LIC	TOPOCK, AZ	BLANK0000071723	31.8
No	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	198.5
No	K27ON-D	D27	LD	LIC	LUCERNE VALLEY, CA	BLANK0000082020	211.4
No	KPVT-LD	D27	LD	LIC	LAS VEGAS, NV	BLANK0000010689	136.0
No	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	31.8
No	K33FD	N33-	TX	LIC	BLYTHE, CA	BLTT20020311ABE	141.9
No	XHEXT	D25	DT	LIC	MEXICALI, BN	BLANKBPFS20050721BFG	259.3
No	XHEBC	D26	DT	LIC	ENSENADA, BN	BLANKBPFS20160301ABP	378.3
No	XHSFB	D26	DT	LIC	SAN FELIPE, BN	BLANKBPFS20151106AAJ	423.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26  
 Mask: Full Service  
 Latitude: 34 49 43.00 N (NAD83)  
 Longitude: 114 36 40.90 W  
 Height AMSL: 212.0 m  
 HAAT: 0.0 m  
 Peak ERP: 15.0 kW  
 Antenna: ERI ALP\_W\_CH\_26\_HRP\_FCC\_FILE 300.0 deg  
 Elev Pattn: ERI ALP\_W\_CH\_26\_horizontal\_elevation  
 Tilts: elec 1.75, mech 3.10 @ 300.0 deg

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
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0.0 deg	7.92 kW	66.3 m	36.1 km
45.0	9.01	13.8	28.1
90.0	1.32	23.8	19.2
135.0	1.15	69.2	27.0
180.0	6.14	-96.0	26.3
225.0	9.49	-258.7	28.3
270.0	4.14	-307.5	24.5
315.0	3.28	-45.2	23.5

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: -67 m

Distance to Canadian border: 1575.2 km

\*\*Proposal is within coordination distance of Mexican border  
Distance to Mexican border: 234.7 km

Conditions at FCC monitoring station: Douglas AZ  
Bearing: 127.3 degrees    Distance: 591.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 51.8 degrees    Distance: 1012.5 km

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%

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Interference to BLDTA20111128FZD LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K25HD-D	D25	LD	LIC	BULLHEAD CITY, AZ	BLDTA20111128FZD	
Undesireds:	K48NJ-D	D26	LD	APP	NEEDLES, CA	01103_05262021_K48NJ_1	48.0 km
	K24DK-D	D24	LD	LIC	BULLHEAD CITY, AZ	BLDTT20110328ABJ	41.1
	K25MK-D	D25	LD	CP	CAMP VERDE, AZ	BDFCDTT20110914ABR	275.6
	K25PJ-D	D25	LD	LIC	CHLORIDE, AZ	BLANK0000071721	54.4
	K25AL	N25	TX	LIC	LAKE HAVASU CITY, AZ	BLTTL19850927IA	92.0
	K25GK	D25+	LD	CP	JOSHUA TREE, CA	BLANK0000139136	170.8

K25AD-D	D25	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000137803	242.4
KPVM-LD	D25	LD	LIC	PAHRUMP, NV	BLANK0000112505	82.4
KTNV-TV	D26	DT	APP	LAS VEGAS, NV	BLANK0000145120	82.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2497.6	69,805	2164.3	58,428	2103.5
		58,426	2101.5	58,041
			0.10	0.66

Undesired	Total IX	Unique IX, before	Unique IX, after
K48NJ-D D26 LD APP	2.0	385	2.0
K24DK-D D24 LD LIC	1.0	0	1.0
K25PJ-D D25 LD LIC	9.0	2	6.0
K25AL N25 TX LIC	2.0	0	1.0
K25GK D25+ LD CP	2.0	0	0.0
KPVM-LD D25 LD LIC	51.8	2	38.9
KTNV-TV D26 DT APP	11.0	0	0.0

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Interference to BLDTA20111128FZD LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: K25HD-D	D25	LD	LIC	BULLHEAD CITY, AZ	BLDTA20111128FZD	
Undesireds: K48NJ-D	D26	LD	APP	NEEDLES, CA	01103_05262021_K48NJ_1	48.0 km
K24DK-D	D24	LD	LIC	BULLHEAD CITY, AZ	BLDTT20110328ABJ	41.1
K25MK-D	D25	LD	CP	CAMP VERDE, AZ	BDFCDTT20110914ABR	275.6
K25PJ-D	D25	LD	LIC	CHLORIDE, AZ	BLANK0000071721	54.4
K25AL	N25	TX	LIC	LAKE HAVASU CITY, AZ	BLTTL19850927IA	92.0
K25AD-D	D25	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000137803	242.4
KPVM-LD	D25	LD	LIC	PAHRUMP, NV	BLANK0000112505	82.4
KTNV-TV	D26	DT	APP	LAS VEGAS, NV	BLANK0000145120	82.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2497.6	69,805	2164.3	58,428	2103.5
		58,426	2101.5	58,041
			0.10	0.66

Undesired	Total IX	Unique IX, before	Unique IX, after
K48NJ-D D26 LD APP	2.0	385	2.0
K24DK-D D24 LD LIC	1.0	0	1.0
K25PJ-D D25 LD LIC	9.0	2	6.0
K25AL N25 TX LIC	2.0	0	1.0
KPVM-LD D25 LD LIC	51.8	2	39.9
KTNV-TV D26 DT APP	11.0	0	0.0

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Interference to BLANK0000071722 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K26OK-D	D26	LD	LIC	LAKE HAVASU CITY, AZ	BLANK0000071722	
Undesireds:	K48NJ-D	D26	LD	APP	NEEDLES, CA	01103_05262021_K48NJ_1	33.4 km
	K26FS	N26+	TX	LIC	BLYTHE, CA	BLTT20020311ABG	114.8
	KTNV-TV	D26	DT	APP	LAS VEGAS, NV	BLANK0000145120	161.3
	K27EC-D	D27	LD	LIC	LAKE HAVASU CITY, AZ	BLDTA20110503ACV	0.2
	K27NR-D	D27	LD	LIC	TOPOCK, AZ	BLANK0000071723	48.2

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	1380.2	55,923	1180.5	55,460	0.61 0.00

  

Undesired	Total IX	Unique IX, before	Unique IX, after
K48NJ-D D26 LD APP	9.0	0	7.0 0
K26FS N26+ TX LIC	1.0	0	0.0 0
KTNV-TV D26 DT APP	9.1	0	8.1 0
K27EC-D D27 LD LIC	19.1	463	17.1 463
K27NR-D D27 LD LIC	4.0	0	1.0 0

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Interference to BLANK0000145120 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTNV-TV	D26	DT	APP	LAS VEGAS, NV	BLANK0000145120	
Undesireds:	K48NJ-D	D26	LD	APP	NEEDLES, CA	01103_05262021_K48NJ_1	130.2 km
	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	398.2

  

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	47356.3	2,097,121	30787.4	1,932,375	30784.4 1,932,372 30242.3 1,928,529 1.76 0.20

  

Undesired	Total IX	Unique IX, before	Unique IX, after
K48NJ-D D26 LD APP	543.1	3,843	542.1 3,843
KUTP D26 DT LIC	3.0	3	3.0 3

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Interference to BLANK0000126700 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KGNG-LD	D26	LD	LIC	LAS VEGAS, NV	BLANK0000126700	
Undesireds:	K48NJ-D	D26	LD	APP	NEEDLES, CA	01103_05262021_K48NJ_1	130.2 km
	KPVM-LD	D25	LD	LIC	PAHRUMP, NV	BLANK0000112505	0.0
	KTNV-TV	D26	DT	APP	LAS VEGAS, NV	BLANK0000145120	0.0
	K26NP-D	D26	LD	LIC	OVERTON, NV	BLANK0000137690	94.6

KVBT-LP	D26	LD	CP	SANTA CLARA, ETC., UT	BLANK0000054544	169.8
KPVT-LD	D27	LD	LIC	LAS VEGAS, NV	BLANK0000010689	7.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
11255.2	1,911,481	7825.4	1,898,108	2675.4	11,659	2675.4	11,659	0.00	0.00

Undesired			Total IX		Unique IX, before		Unique IX, after
K48NJ-D D26 LD APP	2.0		0			0.0	0
KPVM-LD D25 LD LIC	1.0		0	0.0	0	0.0	0
KTNV-TV D26 DT APP	5146.0	1,885,288		4870.7	1,875,897	4868.7	1,875,897
K26NP-D D26 LD LIC	39.3		0	0.0	0	0.0	0
KVBT-LP D26 LD CP	95.5	163		1.0	0	1.0	0
KPVT-LD D27 LD LIC	185.9	10,389		2.0	1,161	2.0	1,161

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Interference to BLANK0000071723 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K27NR-D	D27	LD	LIC	TOPOCK, AZ	BLANK0000071723	
Undesireds:	K48NJ-D	D26	LD	APP	NEEDLES, CA	01103_05262021_K48NJ_1	31.8 km
	K27NT-D	D27	LD	LIC	GOLDEN VALLEY, AZ	BLANK0000071725	25.6
	K27EC-D	D27	LD	LIC	LAKE HAVASU CITY, AZ	BLDTA20110503ACV	48.3
	KASW	D27	DD	CP	PHOENIX, AZ	BLANK0000116045	284.3
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	318.8
	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143996	270.2
	KPVT-LD	D27	LD	LIC	LAS VEGAS, NV	BLANK0000010689	122.5
	K28EU-D	D28	LD	LIC	LAUGHLIN, ETC., NV	BLDTT20120319ADY	41.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
4306.5	75,273	3335.6	73,387	3216.6	72,273	3202.6	71,224	0.44	1.45

Undesired			Total IX		Unique IX, before		Unique IX, after
K48NJ-D D26 LD APP	14.0		1,049			14.0	1,049
K27NT-D D27 LD LIC	75.9		93	72.9	87	72.9	87
K27EC-D D27 LD LIC	4.0		6	2.0	0	2.0	0
KPVT-LD D27 LD LIC	1.0		0	0.0	0	0.0	0
K28EU-D D28 LD LIC	41.0	1,021		41.0	1,021	41.0	1,021

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Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K48NJ-D	D26	LD	APP	NEEDLES, CA	01103_05262021_K48NJ_1	

Undesireds:	K25HD-D	D25	LD	LIC	BULLHEAD CITY, AZ	BLDTA20111128FZD	48.0 km
	K26OK-D	D26	LD	LIC	LAKE HAVASU CITY, AZ	BLANK0000071722	33.4
	K26FS	N26+	TX	LIC	BLYTHE, CA	BLTT20020311ABG	141.9
	KTNV-TV	D26	DT	APP	LAS VEGAS, NV	BLANK0000145120	130.2
	K27NR-D	D27	LD	LIC	TOPOCK, AZ	BLANK0000071723	31.8

Service area	Terrain-limited	IX-free	Percent IX
2279.9      71,198	1870.8      70,566	1842.8      70,566	1.50      0.00

Undesired	Total IX	Unique IX	Prcnt Unique IX
K25HD-D D25 LD LIC      1.0      0      0.0      0      0.00      0.00			
K26OK-D D26 LD LIC      3.0      0      2.0      0      0.11      0.00			
K26FS N26+ TX LIC      4.0      0      1.0      0      0.05      0.00			
KTNV-TV D26 DT APP      17.1      0      10.0      0      0.54      0.00			
K27NR-D D27 LD LIC      11.0      0      7.0      0      0.37      0.00			