

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: Proposed 2020 Application, Model: Longley-Rice

Start: 2020.02.18 11:24:08

Study created: 2020.02.18 11:24:08

Study build station data: LMS TV 2020-02-18

Proposal: KIJR-LP D30 LD APP LUCERNE VALLEY, CA

File number: Proposed 2020 Application

Facility ID: 14152

Station data: User record

Record ID: 82

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Protect baseline records from LPTV

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K15BZ	N15-	TX	LIC	DAGGETT, CA	BLTT19880307IC	120.9 km
No	KUNA-LP	N15-	TX	LIC	INDIO, CA	BLTTTL20031124AQH	20.6
No	K15CA	N15+	TX	LIC	LUCERNE VALLEY, CA	BLTT19880307IE	77.9
No	K15FC-D	N15+	TX	LIC	twentynine palms, CA	BLTT20080902AEC	32.1
No	K23BP	N23z	TX	LIC	DAGGETT, ETC., CA	BLTT19880307IB	120.9
No	K27AE	N27	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IF	114.0
No	K42KZ-D	D29	LD	CP	CALEXICO, CA	BLANK0000051948	164.8
No	K29NN-D	D29z	LD	LIC	LUCERNE VALLEY, CA	BLANK0000082013	77.9
No	KFTR-DT	D29	DT	LIC	ONTARIO, CA	BLCDDT20100401AFY	155.6
No	KFTR-DT	D29	DT	APP	ONTARIO, CA	BLANK0000035667	155.6
No	KPSE-LD	D29	LD	LIC	PALM SPRINGS, CA	BLDTL20140903AFX	0.1
No	K29GK	N29-	TX	LIC	TWENTYNINE PALMS,ETC, CA	BLTT20060119ADC	50.0
No	K29GK	D29	LD	APP	TWENTYNINE PALMS,ETC, CA	BDFCDTT20120113AEJ	50.0
No	KVCW	D29	DT	LIC	LAS VEGAS, NV	BLCDDT20070109AAW	271.2
No	K30GG-D	D30	LD	LIC	CHLORIDE, AZ	BLDDTT20130308AAS	267.9
No	K30MM-D	D30	LD	CP	GILA RIVER INDIAN CO, AZ	BLANK0000071771	408.7
No	K30LL-D	D30	LD	LIC	KINGMAN, AZ	BLDDTT20111207AFE	268.4
No	NEW	D30	LD	APP	PARKER, AZ	BNPDTL20100514AEG	220.6

No	K30JD-D	D30	LD	LIC	PRESCOTT, AZ	BLDTT20130130AIN	365.3
No	K30NQ-D	D30	LD	CP	SENTINEL, AZ	BNPDTL20100510AAT	319.6
No	K30NK-D	D30	LD	CP	BAKERSFIELD, CA	BNPDTL20100514ABT	291.4
No	K30MN-D	D30	LD	CP	BARSTOW, CA	BLANK0000071541	123.7
No	NEW	D30	LD	APP	DESERT CENTER, CA	BNPDTL20100514ACU	111.5
No	KFSN-TV	D30	DT	LIC	FRESNO, CA	BLANK0000081720	448.3
No	KSGA-LD	D30	LD	LIC	Los Angeles, CA	BLANK0000029861	155.5
Yes	K30GU	D30	LD	CP	MORONGO VALLEY, CA	BDFCDTT20120110ADL	24.4
Yes	K30GU	N30	TX	LIC	MORONGO VALLEY, CA	BLTT20021211AAS	24.4
No	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	229.5
No	K30BQ	D30	LD	CP	NEEDLES, CA	BDFCDTT20100519ADJ	229.5
No	KCIO-LD	D30	LD	LIC	ONTARIO, CA	BLANK0000004783	121.8
Yes	KXLA	D30	DT	LIC	RANCHO PALOS VERDES, CA	BLANK0000081656	155.5
No	K30QC-D	D30	LD	LIC	RIDGECREST, CA	BLANK0000068898	212.6
No	K30MV-D	D30	LD	CP	SANTA BARBARA, CA	BNPDTL20100727ACY	332.3
No	KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	398.0
No	K51AN	D30	LD	CP	VICTORVILLE, ETC., CA	BLANK0000004633	113.9
No	K30PL-D	D30	LD	LIC	LAS VEGAS, NV	BLANK0000092950	271.3
No	K30MH-D	D30	LD	LIC	OVERTON, NV	BLDTT20120309ACS	358.3
No	K30MH-D	D30	LD	CP	OVERTON, NV	BPDTT20131101AGZ	358.3
No	K30PR-D	D30+	LD	LIC	PAHRUMP, NV	BLANK0000063658	247.6
No	KCBS-TV	D31	DT	LIC	LOS ANGELES, CA	BLANK0000071647	156.2
Yes	K31PN-D	D31	LD	CP	PALM SPRINGS, CA	BNPDTL20090825BLV	10.9
No	KRET-CD	D31	DC	LIC	PALM SPRINGS, CA	BLDTA20140702ADK	0.1
No	KTC-D-LP	D31+	LD	CP	SAN DIEGO, CA	BLANK0000064192	107.5
No	KSDY-LD	D31	LD	LIC	San Diego, CA	BLANK0000068967	138.1
No	K31AD	N31	TX	LIC	VICTORVILLE, ETC., CA	BLTT19900108IL	114.0
No	K31MF-D	D31	LD	CP	YUCCA VALLEY, CA	BNPDTL20100512AFR	39.8
No	K32EM-D	N32	TX	LIC	MORONGO VALLEY, CA	BLTTTL19970721JS	24.4
No	KRV-D-LD	N33+	TX	LIC	BANNING, CA	BLTTTL20070103ACI	39.8
No	KVVB-LD	N33+	TX	LIC	LUCERNE VALLEY, CA	BLTT19910927IB	77.9
No	K34EU	N34-	TX	LIC	MORONGO VALLEY, CA	BLTTTL19970721JR	24.4
No	KSCD-LP	N38-	TX	LIC	HEMET, CA	BLTTTL20080630ADI	67.5

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

KPSF 1200 L DA2 D CATHEDRAL CITY, CA BMML20120312ADG  
KPSF 1200 L DA2 N CATHEDRAL CITY, CA BMML20120312ADG  
KXPS 1010 L DA2 D THOUSAND PALMS, CA BMML20130320AFG

KXPS 1010 L DA2 N THOUSAND PALMS, CA BMML20130320AFG

Record parameters as studied:

Channel: D30  
Mask: Full Service  
Latitude: 33 51 58.10 N (NAD83)  
Longitude: 116 26 6.00 W  
Height AMSL: 492.9 m  
HAAT: 0.0 m  
Peak ERP: 1.50 kW  
Antenna: MCI-955314 (ID 20059) 165.0 deg  
Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-55.3 m	2.0 km
45.0	0.000	-210.5	2.0
90.0	0.005	191.2	11.6
135.0	0.797	424.2	45.1
180.0	1.14	358.8	45.1
225.0	0.857	349.3	43.0
270.0	1.27	217.5	38.8
315.0	0.071	215.6	23.8

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 186 m

Distance to Canadian border: 1682.1 km

\*\*Proposal is within coordination distance of Mexican border  
Distance to Mexican border: 141.0 km

Conditions at FCC monitoring station: Livermore CA  
Bearing: 313.3 degrees    Distance: 643.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 51.7 degrees    Distance: 1210.2 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 BDFCDTT20120110ADL CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K30GU	D30	LD	CP	MORONGO VALLEY, CA	BDFCDTT20120110ADL	
Undesireds:	KIJR-LP	D30	LD	APP	LUCERNE VALLEY, CA	Proposed 2020 Applicat	24.4 km
	KPSE-LD	D29	LD	LIC	PALM SPRINGS, CA	BLDTL20140903AFX	24.3
	K29GK	N29-	TX	LIC	TWENTYNINE PALMS,ETC, CA	BLTT20060119ADC	54.2
	K30LL-D	D30	LD	LIC	KINGMAN, AZ	BLDTT20111207AFE	266.9
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	226.4
	KXLA	D30	DT	LIC	RANCHO PALOS VERDES, CA	BLANK0000081656	141.1
	KRET-CD	D31	DC	LIC	PALM SPRINGS, CA	BLDTA20140702ADK	24.3
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	841.4	55,969	739.4	46,789	709.8	46,789	3.20 0.00
Undesired			Total IX	Unique IX, before		Unique IX, after	
KIJR-LP D30 LD APP			42.5	0		22.7	0
KPSE-LD D29 LD LIC			1.0	0	0.0 0	0.0	0
K30LL-D D30 LD LIC			3.0	0	1.0 0	0.0	0
KXLA D30 DT LIC			20.7	0	18.8 0	8.9	0
KRET-CD D31 DC LIC			7.9	0	6.9 0	0.0	0

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Interference to BLTT20021211AAS LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K30GU	N30	TX	LIC	MORONGO VALLEY, CA	BLTT20021211AAS	
Undesireds:	KIJR-LP	D30	LD	APP	LUCERNE VALLEY, CA	Proposed 2020 Applicat	24.4 km

K29GK	N29-	TX	LIC	TWENTYNINE PALMS,ETC, CA	BLTT20060119ADC	54.2
K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	226.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
257.5	39,574	247.6	39,562	247.6	39,562	245.6	39,562	0.80	0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KIJR-LP D30 LD APP	2.0	0		2.0 0

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Interference to BLANK0000081656 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXLA	D30	DT	LIC	RANCHO PALOS VERDES, CA	BLANK0000081656	
Undesireds:	KIJR-LP	D30	LD	APP	LUCERNE VALLEY, CA	Proposed 2020 Applicat	155.5 km
	KBFX-CD	D29	DC	LIC	BAKERSFIELD, CA	BLTTA20101018ACF	144.5
	KFTR-DT	D29	DT	LIC	ONTARIO, CA	BLCDT20100401AFY	0.0
	KFSN-TV	D30	DT	LIC	FRESNO, CA	BLANK0000081720	340.0
	KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	242.8
	KBTF-CD	D31	DC	LIC	BAKERSFIELD, CA	BLDTA20100921ABW	144.7
	KCBS-TV	D31	DT	LIC	LOS ANGELES, CA	BLANK0000071647	0.8
	KRET-CD	D31	DC	LIC	PALM SPRINGS, CA	BLDTA20140702ADK	155.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
48811.3	17,934,897	39956.1	16,728,659	39110.2	16,544,280	39107.3	16,541,397	0.01	0.02

Undesired		Total IX	Unique IX, before	Unique IX, after
KIJR-LP D30 LD APP	8.9	5,213		3.0 2,883
KBFX-CD D29 DC LIC	30.0	12	3.0 0	3.0 0
KFTR-DT D29 DT LIC	23.0	2,016	10.9 1,777	10.9 1,777
KFSN-TV D30 DT LIC	41.0	12	14.0 0	14.0 0
KDFS-CD D30- DC LIC	6.0	4	6.0 4	6.0 4
KBTF-CD D31 DC LIC	22.0	12	0.0 0	0.0 0
KCBS-TV D31 DT LIC	782.9	180,256	757.9 180,017	757.9 180,017
KRET-CD D31 DC LIC	6.9	2,330	6.9 2,330	1.0 0

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Interference to BLANK0000081656 LIC scenario 2

Desired:	Call KXLA	Chan D30	Svc DT	Status LIC	City, State RANCHO PALOS VERDES, CA	File Number BLANK0000081656	Distance
Undesireds:	KIJR-LP	D30	LD	APP	LUCERNE VALLEY, CA	Proposed 2020 Applicat	155.5 km
	KBFX-CD	D29	DC	LIC	BAKERSFIELD, CA	BLTTA20101018ACF	144.5
	KFTR-DT	D29	DT	LIC	ONTARIO, CA	BLCDDT20100401AFY	0.0
	KFSN-TV	D30	DT	LIC	FRESNO, CA	BLANK0000081720	340.0
	KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	242.8
	KBTF-CD	D31	DC	CP	BAKERSFIELD, CA	BLANK0000063351	148.0
	KCBS-TV	D31	DT	LIC	LOS ANGELES, CA	BLANK0000071647	0.8
	KRET-CD	D31	DC	LIC	PALM SPRINGS, CA	BLDTA20140702ADK	155.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
48811.3 17,934,897	39956.1 16,728,659	39110.2 16,544,280	39107.3 16,541,397	0.01 0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
KIJR-LP D30 LD APP	8.9 5,213	3.0 2,883	
KBFX-CD D29 DC LIC	30.0 12	6.0 0	
KFTR-DT D29 DT LIC	23.0 2,016	10.9 1,777	
KFSN-TV D30 DT LIC	41.0 12	13.0 0	
KDFS-CD D30- DC LIC	6.0 4	6.0 4	
KBTF-CD D31 DC CP	10.0 12	0.0 0	
KCBS-TV D31 DT LIC	782.9 180,256	757.9 180,017	
KRET-CD D31 DC LIC	6.9 2,330	6.9 2,330	

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Interference to BLANK0000081656 LIC scenario 3

Desired:	Call KXLA	Chan D30	Svc DT	Status LIC	City, State RANCHO PALOS VERDES, CA	File Number BLANK0000081656	Distance
Undesireds:	KIJR-LP	D30	LD	APP	LUCERNE VALLEY, CA	Proposed 2020 Applicat	155.5 km
	KBFX-CD	D29	DC	LIC	BAKERSFIELD, CA	BLTTA20101018ACF	144.5
	KFTR-DT	D29	DT	APP	ONTARIO, CA	BLANK0000035667	0.0
	KFSN-TV	D30	DT	LIC	FRESNO, CA	BLANK0000081720	340.0
	KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	242.8
	KBTF-CD	D31	DC	LIC	BAKERSFIELD, CA	BLDTA20100921ABW	144.7
	KCBS-TV	D31	DT	LIC	LOS ANGELES, CA	BLANK0000071647	0.8
	KRET-CD	D31	DC	LIC	PALM SPRINGS, CA	BLDTA20140702ADK	155.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
48811.3 17,934,897	39956.1 16,728,659	39078.2 16,517,682	39075.3 16,514,799	0.01 0.02

  

Undesired	Total IX	Unique IX, before	Unique IX, after
KIJR-LP D30 LD APP	8.9 5,213	3.0 0	3.0 2,883
KBFX-CD D29 DC LIC	30.0 12	3.0 0	3.0 0
KFTR-DT D29 DT APP	67.9 32,093	42.9 28,375	42.9 28,375
KFSN-TV D30 DT LIC	41.0 12	14.0 0	14.0 0
KDFS-CD D30- DC LIC	6.0 4	6.0 4	6.0 4
KBTF-CD D31 DC LIC	22.0 12	0.0 0	0.0 0
KCBS-TV D31 DT LIC	782.9 180,256	744.9 176,538	744.9 176,538
KRET-CD D31 DC LIC	6.9 2,330	6.9 2,330	1.0 0

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Interference to BLANK0000081656 LIC scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KXLA	D30	DT	LIC	RANCHO PALOS VERDES, CA	BLANK0000081656	
Undesireds: KIJR-LP	D30	LD	APP	LUCERNE VALLEY, CA	Proposed 2020 Applicat	155.5 km
KBFX-CD	D29	DC	LIC	BAKERSFIELD, CA	BLTTA20101018ACF	144.5
KFTR-DT	D29	DT	APP	ONTARIO, CA	BLANK0000035667	0.0
KFSN-TV	D30	DT	LIC	FRESNO, CA	BLANK0000081720	340.0
KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	242.8
KBTF-CD	D31	DC	CP	BAKERSFIELD, CA	BLANK0000063351	148.0
KCBS-TV	D31	DT	LIC	LOS ANGELES, CA	BLANK0000071647	0.8
KRET-CD	D31	DC	LIC	PALM SPRINGS, CA	BLDTA20140702ADK	155.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
48811.3 17,934,897	39956.1 16,728,659	39078.2 16,517,682	39075.3 16,514,799	0.01 0.02

  

Undesired	Total IX	Unique IX, before	Unique IX, after
KIJR-LP D30 LD APP	8.9 5,213	3.0 0	3.0 2,883
KBFX-CD D29 DC LIC	30.0 12	6.0 0	6.0 0
KFTR-DT D29 DT APP	67.9 32,093	42.9 28,375	42.9 28,375
KFSN-TV D30 DT LIC	41.0 12	13.0 0	13.0 0
KDFS-CD D30- DC LIC	6.0 4	6.0 4	6.0 4
KBTF-CD D31 DC CP	10.0 12	0.0 0	0.0 0
KCBS-TV D31 DT LIC	782.9 180,256	744.9 176,538	744.9 176,538
KRET-CD D31 DC LIC	6.9 2,330	6.9 2,330	1.0 0

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Interference to BNPDTL20090825BLV CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31PN-D	D31	LD	CP	PALM SPRINGS, CA	BNPDTL20090825BLV	
Undesireds:	KIJR-LP	D30	LD	APP	LUCERNE VALLEY, CA	Proposed 2020 Applicat	10.9 km
	K30GU	D30	LD	CP	MORONGO VALLEY, CA	BDFCDTT20120110ADL	22.8
	KBTF-CD	D31	DC	LIC	BAKERSFIELD, CA	BLDTA20100921ABW	257.4
	KCBS-TV	D31	DT	LIC	LOS ANGELES, CA	BLANK0000071647	146.0
	KRET-CD	D31	DC	LIC	PALM SPRINGS, CA	BLDTA20140702ADK	10.8
	K31MF-D	D31	LD	CP	YUCCA VALLEY, CA	BNPDTL20100512AFR	31.2
	K32EM-D	N32	TX	LIC	MORONGO VALLEY, CA	BLTTTL19970721JS	22.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
378.4 120,893		372.5 120,868		56.3 2,249		56.3 2,249	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KIJR-LP	D30 LD APP	1.0	242			0.0	0
KCBS-TV	D31 DT LIC	1.0	0	0.0	0	0.0	0
KRET-CD	D31 DC LIC	316.2	118,619	313.2	118,089	312.2	117,847
K31MF-D	D31 LD CP	2.0	530	0.0	0	0.0	0

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Interference to proposal scenario 1  
17.36% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KIJR-LP	D30	LD	APP	LUCERNE VALLEY, CA	Proposed 2020 Applicat	
Undesireds:	KPSE-LD	D29	LD	LIC	PALM SPRINGS, CA	BLDTL20140903AFX	0.1 km
	K29GK	N29-	TX	LIC	TWENTYNINE PALMS,ETC, CA	BLTT20060119ADC	50.0
	K30GU	D30	LD	CP	MORONGO VALLEY, CA	BDFCDTT20120110ADL	24.4
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	229.5
	KXLA	D30	DT	LIC	RANCHO PALOS VERDES, CA	BLANK0000081656	155.5
	K31PN-D	D31	LD	CP	PALM SPRINGS, CA	BNPDTL20090825BLV	10.9
	KRET-CD	D31	DC	LIC	PALM SPRINGS, CA	BLDTA20140702ADK	0.1
Service area		Terrain-limited		IX-free		Percent IX	



3091.2	399,934	2473.4	379,974	1827.1	314,026	26.13	17.36
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Undesired			Total IX		Unique IX	Prcnt Unique IX	
KPSE-LD D29 LD LIC	68.2		20,314	14.9	1,063	0.60	0.28
K30GU D30 LD CP	15.8		0	0.0	0	0.00	0.00
KXLA D30 DT LIC	39.6		5	33.6	5	1.36	0.00
K31PN-D D31 LD CP	9.9		0	3.0	0	0.12	0.00
KRET-CD D31 DC LIC	589.9		64,880	522.8	45,629	21.14	12.01

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Interference to proposal scenario 2  
17.36% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KIJR-LP	D30	LD	APP	LUCERNE VALLEY, CA	Proposed 2020 Applicat	
Undesireds:	KPSE-LD	D29	LD	LIC	PALM SPRINGS, CA	BLDTL20140903AFX	0.1 km
	K29GK	N29-	TX	LIC	TWENTYNINE PALMS,ETC, CA	BLTT20060119ADC	50.0
	K30GU	N30	TX	LIC	MORONGO VALLEY, CA	BLTT20021211AAS	24.4
	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	229.5
	KXLA	D30	DT	LIC	RANCHO PALOS VERDES, CA	BLANK0000081656	155.5
	K31PN-D	D31	LD	CP	PALM SPRINGS, CA	BNPDTL20090825BLV	10.9
	KRET-CD	D31	DC	LIC	PALM SPRINGS, CA	BLDTA20140702ADK	0.1

	Service area		Terrain-limited		IX-free		Percent IX
3091.2	399,934	2473.4	379,974	1827.1	314,026	26.13	17.36

Undesired			Total IX		Unique IX	Prcnt Unique IX	
KPSE-LD D29 LD LIC	68.2		20,314	14.9	1,063	0.60	0.28
K30GU N30 TX LIC	3.0		0	0.0	0	0.00	0.00
KXLA D30 DT LIC	39.6		5	33.6	5	1.36	0.00
K31PN-D D31 LD CP	9.9		0	3.0	0	0.12	0.00
KRET-CD D31 DC LIC	589.9		64,880	534.6	45,629	21.62	12.01