TECHNICAL SUMMARY
AMENDMENT TO
DIGITAL DISPLACEMENT RELIEF
APPLICATION FOR CONSTRUCTION PERMIT
LOW POWER DIGITAL STATION K42LS-D
YUMA, ARIZONA
CHANNEL 27 3 KW (DA)

1. Application Purpose: The instant application is an amendment to the pending digital displacement relief application for K42LS-D (FCC File No. 0000151090). Station K42LS-D is currently authorized to operate on channel 42 at Yuma, Arizona (File No. BNPDTL-20090825BSU).[1] K42LS-D is eligible for displacement relief as it is currently authorized to operate on out-of-core channel 42. Therefore, it is proposed to relocate K42LS-D to an existing tower (ASRN 1007974) and operate on "in core" channel 27 with a directional antenna maximum effective radiated power (ERP) of 3 kW using an ERI model AL8-OC, horizontally polarized directional antenna with a main lobe orientation of 270 degrees true and 0.25 degrees of electrical beam tilt. The antenna radiation center height will be 544.6 m AMSL. There will be no change in the overall structure height.

2. Figure 1 demonstrates that there is overlap of the authorized and proposed 51 dBu, f(50,90) protected contours as required by Section 73.3572(a)(2)(ii) for minor change applications. Furthermore, the site move will be less than the 48 km limit.

3. Interference Compliance: As indicated in the attached *TVStudy* analyses summaries, K42LS-D's proposed channel 27 operation meets the FCC's interference protection requirements with respect to all protected domestic and international facilities. A cell size of 1.0 km and a profile resolution of 1.0 km points/km were utilized for each *TVStudy* analysis.

4. RFR Compliance: The proposed facilities were evaluated in terms of potential radiofrequency radiation (RFR) exposure at ground level to workers and the general public. The radiation center for the proposed DTV antenna will be located 53 meters above ground level. The total DTV ERP is 3 kW (horizontal polarization). A greater than expected

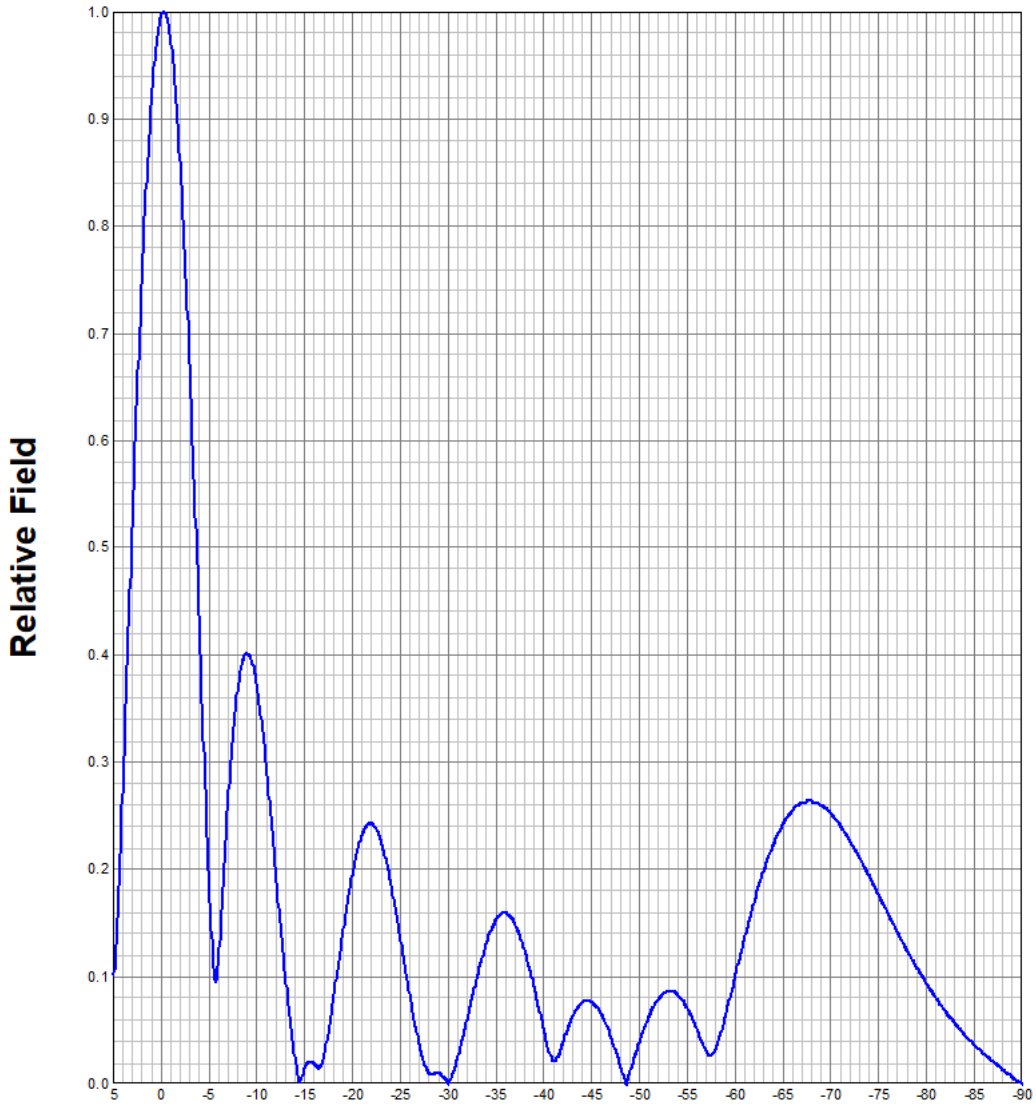
[1] See FCC Public Notice dated March 19, 2019 entitled "*Media Bureau Lifts LPTV and TV Translator Application Filing Freezes Effective April, 18,2019"* (DA 19-183, released March 19, 2019).

vertical plane relative field value of 0.265 is presumed for the antenna's downward radiation (-60° to -90° elevation, see attached vertical plane relative field pattern). The calculated power density at a point 2 meters above ground level is 2.7 uW/cm^2 which is 0.74% of the FCC's recommended limit of 367.3 uW/cm^2 for channel 27 for an uncontrolled environment. Thus, it is believed that the proposed K42LS-D facility is in full compliance with the FCC's requirements with regard to RF radiation exposure.

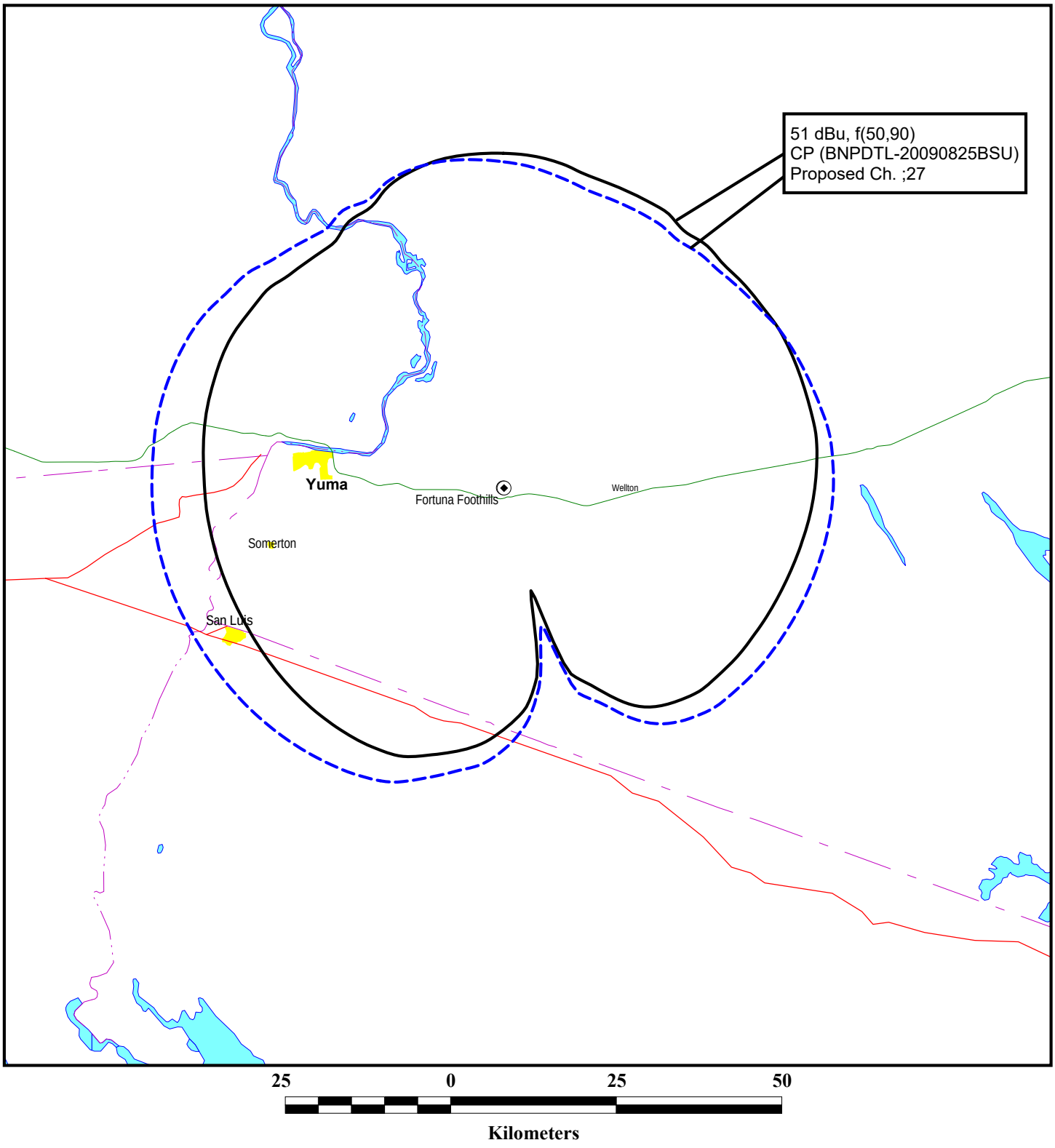
Access to the transmitting site will be restricted and appropriately marked with RFR warning signs. Furthermore, as this is a multi-user site, a protocol shall be in effect in the event that workers or other authorized personnel enter the restricted area or climb the supporting structure to ensure that appropriate measures will be taken to assure worker safety with respect to RF energy exposure.

ELEVATION PATTERN

Type:	ALP8L1		Channel:	27
Directivity:	Numeric	dBd	Location:	
Main Lobe:	9.05	9.57	Beam Tilt:	-0.25
Horizontal:	9.00	9.54	Polarization:	Horizontal



Preliminary, subject to final design and review.



FCC PREDICTED 51 DBU CONTOURS

LPTV STATION K42LS-D
YUMA, ARIZONA
CH 27 3 KW (DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Proposed K42LS-D Domestic TVStudy Analysis

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: K42LS-D D27 3kw, Model: Longley-Rice
Start: 2021.07.07 10:13:31

Study created: 2021.07.07 10:13:31

Study build station data: LMS TV 2021-07-06

    Proposal: K42LS-D D27 LD APP YUMA, AZ
 File number: K42LS-D D27 3kw
 Facility ID: 182419
Station data: User record
   Record ID: 182
     Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K19CX	N19	TX	LIC	YUMA, AZ	BLTT19941212JC	0.3 km
No	K24FA	N24+	TX	LIC	BLYTHE, CA	BLTT20020311ABC	99.8
No	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	224.4
No	K26FS	N26+	TX	LIC	BLYTHE, CA	BLTT20020311ABG	99.8
No	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	235.8
No	KSWB-TV	D26	DT	LIC	SAN DIEGO, CA	BLANK0000068712	243.2
No	K26PN-D	D26	LD	CP	WINTERHAVEN, CA	BNPDTL20100510AAW	48.0
No	K27DA-D	D27	LD	LIC	BIG SANDY VALLEY, AZ	BLDTT20130308AAI	274.2
No	KTVW-CD	D27	DC	LIC	FLAGSTAFF/DONEY PARK, AZ	BLDTA20140421ACI	365.0
No	K27KS-D	D27	LD	LIC	GLOBE/MIAMI, AZ	BLDTT20130312ACC	331.4
No	K27NT-D	D27	LD	LIC	GOLDEN VALLEY, AZ	BLANK0000071725	284.2
No	K27EC-D	D27	LD	LIC	LAKE HAVASU CITY, AZ	BLDTA20110503ACV	214.4
No	K16EO-D	D27	LD	LIC	ORO VALLEY/TUCSON, AZ	BLANK0000067692	316.5
Yes	KASW	D27	DT	LIC	PHOENIX, AZ	BLANK0000106570	224.3
Yes	KASW	D27	DD	CP	PHOENIX, AZ	BLANK0000116045	224.3
No	DDKDFQ-LP	D27z	LD	APP	PRESCOTT, AZ	BLANK0000052540	303.7
No	KYPO-LP	N27	TX	LIC	TACNA, AZ	BLTTL20080818AAL	134.8
No	K27NR-D	D27	LD	LIC	TOPOCK, AZ	BLANK0000071723	262.7
No	KSCD-LP	D27-	LD	CP	HEMET, CA	BLANK0000054281	303.4
Yes	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	235.7
No	KEDD-LD	D27	LD	CP	LOS ANGELES, CA	BLANK0000054820	417.1
No	K27ON-D	D27	LD	LIC	LUCERNE VALLEY, CA	BLANK0000082020	308.4
No	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	354.6
No	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	385.7
No	KPCD-LP	D27-	LD	CP	San fernando, CA	BLANK0000054282	326.7
No	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143996	347.8
No	K27AE-D	N27	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IF	347.8
Yes	DK27DS	D27	LD	APP	YUCCA VALLEY, CA	BDFCDTT20120606AAZ	275.6
No	KPVT-LD	D27	LD	LIC	LAS VEGAS, NV	BLANK0000010689	376.0
No	KGRY-LD	D28	LD	CP	GILA RIVER INDIAN CO, AZ	BLANK0000136687	224.0
No	K28QP-D	D28	LD	CP	SALOME, AZ	BNPDTL20100514AEQ	130.0
No	K28QO-D	D28	LD	CP	SENTINEL, AZ	BNPDTL20100510AAS	107.4
Yes	K28FM	N28z	TX	LIC	YUMA, AZ	BLTTL20001006AAL	0.2
No	KESQ-TV	D28	DT	LIC	PALM SPRINGS, CA	BLANK0000078362	235.9
No	K29EC	N29z	TX	LIC	BLYTHE, CA	BLTT20020311ABI	99.8
No	K31FE	N31-	TX	LIC	BLYTHE, CA	BLTT20011203AMO	99.8
No	KESE-LD	N35	TX	LIC	YUMA, AZ	BLTTL20001117AAJ	21.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D27
       Mask: Full Service
   Latitude: 32 40 21.00 N (NAD83)
  Longitude: 114 20 10.00 W
Height AMSL: 544.6 m
       HAAT: 0.0 m
   Peak ERP: 3.00 kW
    Antenna: ERI-AL8-OC (ID 89591) 270.0 deg
Elev Pattrn: Generic
  Elec Tilt: 0.25

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.44 kW	473.3 m	50.6 km
45.0	1.28	389.8	47.4

90.0	1.51	477.5	51.0
135.0	1.28	388.5	47.4
180.0	1.44	232.8	40.7
225.0	2.41	413.9	51.8
270.0	3.00	456.5	54.5
315.0	2.41	367.4	50.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 400 m

Distance to Canadian border: 1814.8 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 33.9 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 105.2 degrees Distance: 459.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 41.9 degrees Distance: 1158.6 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%

Interference to BLANK0000106570 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KASW	D27	DT	LIC	PHOENIX, AZ	BLANK0000106570	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw	224.3 km
	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	0.1
	KTVW-CD	D27	DC	LIC	FLAGSTAFF/DONEY PARK, AZ	BLDTA20140421ACI	188.7
	KUAS-TV	D28	DT	LIC	TUCSON, AZ	BLEDT20030115ABS	158.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
35433.1	4,174,222	28755.8	4,158,059	28573.7	4,155,776	28526.8	4,155,776	0.16	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	46.9	0			46.9	0
KUTP D26 DT LIC	146.1	2,262	146.1	2,262	146.1	2,262
KTVW-CD D27 DC LIC	33.0	21	33.0	21	33.0	21
KUAS-TV D28 DT LIC	3.0	0	3.0	0	3.0	0

Interference to BLANK0000116045 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KASW	D27	DD	CP	PHOENIX, AZ	BLANK0000116045	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw	224.3 km
	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	0.1
	KTVW-CD	D27	DC	LIC	FLAGSTAFF/DONEY PARK, AZ	BLDTA20140421ACI	188.7
	KUAS-TV	D28	DT	LIC	TUCSON, AZ	BLEDT20030115ABS	158.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
35433.1	4,174,222	28814.7	4,159,877	28632.4	4,159,723	28584.5	4,159,723	0.17	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	47.9	0			47.9	0
KUTP D26 DT LIC	141.2	141	141.2	141	141.2	141
KTVW-CD D27 DC LIC	38.0	13	38.0	13	38.0	13
KUAS-TV D28 DT LIC	3.0	0	3.0	0	3.0	0

Interference to BLANK0000074955 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw	235.7 km
	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	0.1

	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	122.1
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	332.3
	KESQ-TV	D28	DT	LIC	PALM SPRINGS, CA	BLANK0000078362	0.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7452.7	623,334	5255.5	453,763	5170.3	439,720	5168.4	439,720	0.04	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	4.0	0			2.0	0
KMIR-TV D26 DT LIC	66.4	4,634	30.7	913	30.7	913
KPOM-CD D27 DC LIC	13.8	8,099	7.9	6,276	7.9	6,276
KEYT-TV D27 DT LIC	2.0	0	0.0	0	0.0	0
KESQ-TV D28 DT LIC	43.6	5,031	7.9	3,133	7.9	3,133

Interference to BLANK0000074955 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw	235.7 km
	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	0.1
	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	154.9
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	332.3
	KESQ-TV	D28	DT	LIC	PALM SPRINGS, CA	BLANK0000078362	0.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7452.7	623,334	5255.5	453,763	5163.4	440,520	5161.4	440,520	0.04	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	4.0	0			2.0	0
KMIR-TV D26 DT LIC	66.4	4,634	30.7	913	30.7	913
KPOM-CD D27 DC CP	20.7	7,299	14.8	5,476	14.8	5,476
KEYT-TV D27 DT LIC	2.0	0	0.0	0	0.0	0
KESQ-TV D28 DT LIC	43.6	5,031	8.9	3,133	8.9	3,133

Interference to BDFCDTT20120606AAZ APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	DK27DS	D27	LD	APP	YUCCA VALLEY, CA	BDFCDTT20120606AAZ	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw	275.6 km
	K26KI-D	D26	LD	CP	BANNING, CA	BNPDTL20090825ACQ	21.8
	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	39.9
	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	40.0
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	83.2
	KPCD-LP	D27-	LD	CP	San fernando, CA	BLANK0000054282	51.5
	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143996	77.1
	KESQ-TV	D28	DT	LIC	PALM SPRINGS, CA	BLANK0000078362	39.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1764.0	92,675	1182.0	57,207	929.6	30,178	928.6	30,178	0.11	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	1.0	0			1.0	0
K26KI-D D26 LD CP	24.7	66	19.7	66	19.7	66
KMIR-TV D26 DT LIC	115.4	26,784	2.0	0	2.0	0
KVER-CD D27 DC LIC	224.9	26,963	110.4	179	110.4	179
KPOM-CD D27 DC LIC	6.9	0	1.0	0	1.0	0
KPCD-LP D27- LD CP	3.0	0	0.0	0	0.0	0
KESQ-TV D28 DT LIC	75.0	26,628	0.0	0	0.0	0

Interference to BDFCDTT20120606AAZ APP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	DK27DS	D27	LD	APP	YUCCA VALLEY, CA	BDFCDTT20120606AAZ	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw	275.6 km
	K26KI-D	D26	LD	CP	BANNING, CA	BNPDTL20090825ACQ	21.8
	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	39.9
	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	40.0
	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	116.5
	KPCD-LP	D27-	LD	CP	San fernando, CA	BLANK0000054282	51.5
	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143996	77.1
	KESQ-TV	D28	DT	LIC	PALM SPRINGS, CA	BLANK0000078362	39.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX

1764.0	92,675	1182.0	57,207	928.6	30,178	927.6	30,178	0.11	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	1.0	0			1.0	0
K26KI-D D26 LD CP	24.7	66	16.8	0	16.8	0
KMIR-TV D26 DT LIC	115.4	26,784	2.0	0	2.0	0
KVER-CD D27 DC LIC	224.9	26,963	110.4	179	110.4	179
KPOM-CD D27 DC CP	12.8	66	2.0	0	2.0	0
KPCD-LP D27- LD CP	3.0	0	0.0	0	0.0	0
KESQ-TV D28 DT LIC	75.0	26,628	0.0	0	0.0	0

Interference to BLTTL20001006AAL LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K28FM	N28z	TX	LIC	YUMA, AZ	BLTTL20001006AAL	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw	0.2 km
	K28QO-D	D28	LD	CP	SENTINEL, AZ	BNPDTL20100510AAS	107.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
108.2	32,143	90.1	30,278	88.1	30,278	86.1	30,278	2.27	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	4.0	0		2.0	0
K28QO-D D28 LD CP	2.0	0	2.0	0	0.0	0

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw	
Undesireds:	K26PN-D	D26	LD	CP	WINTERHAVEN, CA	BNPDTL20100510AAW	48.0 km
	KASW	D27	DT	LIC	PHOENIX, AZ	BLANK0000106570	224.3
	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	235.7
	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143996	347.8

Service area		Terrain-limited		IX-free		Percent IX		
6650.3	198,010	5957.3	197,992	5909.2	197,992	0.81	0.00	
912.1	181,335	909.0	181,334	908.0	181,334	0.11	0.00	(in Mexico)

Undesired	Total IX		Unique IX		Prcnt Unique IX		
K26PN-D D26 LD CP	48.0	0	47.0	0	0.79	0.00	
K26PN-D D26 LD CP	1.0	0	1.0	0	0.11	0.00	(in Mexico)
KVER-CD D27 DC LIC	1.0	0	0.0	0	0.00	0.00	

Proposed K42LS-D International TVStudy Analysis

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: K42LS-D D27 3kw International, Model: Longley-Rice
Start: 2021.07.07 13:01:45

Study created: 2021.07.07 13:01:45

Study build station data: LMS TV 2021-07-06

    Proposal: K42LS-D D27 LD APP YUMA, AZ
 File number: K42LS-D D27 3kw International
 Facility ID: 182419
Station data: User record
   Record ID: 183
     Country: U.S.

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K19CX	N19	TX	LIC	YUMA, AZ	BLTT19941212JC	0.3 km
No	K24FA	N24+	TX	LIC	BLYTHE, CA	BLTT20020311ABC	99.8
No	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	224.4
No	K26FS	N26+	TX	LIC	BLYTHE, CA	BLTT20020311ABG	99.8
No	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	235.8
No	KSWB-TV	D26	DT	LIC	SAN DIEGO, CA	BLANK0000068712	243.2
No	K26PN-D	D26	LD	CP	WINTERHAVEN, CA	BNPDTL20100510AAW	48.0
No	K27DA-D	D27	LD	LIC	BIG SANDY VALLEY, AZ	BLDTT20130308AAI	274.2
No	KTVW-CD	D27	DC	LIC	FLAGSTAFF/DONEY PARK, AZ	BLDTA20140421ACI	365.0
No	K27KS-D	D27	LD	LIC	GLOBE/MIAMI, AZ	BLDTT20130312ACC	331.4
No	K27NT-D	D27	LD	LIC	GOLDEN VALLEY, AZ	BLANK0000071725	284.2
No	K27EC-D	D27	LD	LIC	LAKE HAVASU CITY, AZ	BLDTA20110503ACV	214.4
No	K16EO-D	D27	LD	LIC	ORO VALLEY/TUCSON, AZ	BLANK0000067692	316.5
Yes	KASW	D27	DT	LIC	PHOENIX, AZ	BLANK0000106570	224.3
Yes	KASW	D27	DD	CP	PHOENIX, AZ	BLANK0000116045	224.3
No	DDKDFQ-LP	D27z	LD	APP	PRESCOTT, AZ	BLANK0000052540	303.7
No	KYPO-LP	N27	TX	LIC	TACNA, AZ	BLTTL20080818AAL	134.8
No	K27NR-D	D27	LD	LIC	TOPOCK, AZ	BLANK0000071723	262.7
No	KSCD-LP	D27-	LD	CP	HEMET, CA	BLANK0000054281	303.4
Yes	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	235.7
No	KEDD-LD	D27	LD	CP	LOS ANGELES, CA	BLANK0000054820	417.1
No	K27ON-D	D27	LD	LIC	LUCERNE VALLEY, CA	BLANK0000082020	308.4
No	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	354.6
No	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	385.7
No	KPCD-LP	D27-	LD	CP	San fernando, CA	BLANK0000054282	326.7
No	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143996	347.8
No	K27AE-D	N27	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IF	347.8
Yes	DK27DS	D27	LD	APP	YUCCA VALLEY, CA	BDFCDTT20120606AAZ	275.6
No	KPVT-LD	D27	LD	LIC	LAS VEGAS, NV	BLANK0000010689	376.0
No	KGRY-LD	D28	LD	CP	GILA RIVER INDIAN CO, AZ	BLANK0000136687	224.0
No	K28QP-D	D28	LD	CP	SALOME, AZ	BNPDTL20100514AEQ	130.0
No	K28QO-D	D28	LD	CP	SENTINEL, AZ	BNPDTL20100510AAS	107.4
Yes	K28FM	N28z	TX	LIC	YUMA, AZ	BLTTL20001006AAL	0.2
No	KESQ-TV	D28	DT	LIC	PALM SPRINGS, CA	BLANK0000078362	235.9
No	K29EC	N29z	TX	LIC	BLYTHE, CA	BLTT20020311ABI	99.8
No	K31FE	N31-	TX	LIC	BLYTHE, CA	BLTT20011203AMO	99.8
No	KESE-LD	N35	TX	LIC	YUMA, AZ	BLTTL20001117AAJ	21.3
No	XHEBC	D26	DT	LIC	ENSENADA, BN	BLANKBPFS20160301ABP	233.2
No	XHSFB	D26	DT	LIC	SAN FELIPE, BN	BLANKBPFS20151106AAJ	189.4
No	XHBJ	D27	DT	LIC	TIJUANA, BN	BLANKBPFS20160302ADP	253.9
No	XHAQ	D28	DT	LIC	MEXICALI, BN	BLANKBPFS20050721AFZ	108.0
No	XHJK	D28	DT	LIC	TIJUANA, BN	BLANKBPFS20091104ADT	253.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D27
       Mask: Full Service
   Latitude: 32 40 21.00 N (NAD83)
  Longitude: 114 20 10.00 W
Height AMSL: 544.6 m
       HAAT: 0.0 m

```
   Peak ERP: 3.00 kW
    Antenna: ERI-AL8-OC (ID 89591) 270.0 deg
Elev Pattrn: Generic
  Elec Tilt: 0.25

50.0 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg   1.44 kW   473.3 m   50.6 km
 45.0       1.28      389.8     47.4
 90.0       1.51      477.5     51.0
135.0       1.28      388.5     47.4
180.0       1.44      232.8     40.7
225.0       2.41      413.9     51.8
270.0       3.00      456.5     54.5
315.0       2.41      367.4     50.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 400 m

Distance to Canadian border: 1814.8 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 33.9 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 105.2 degrees   Distance: 459.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 41.9 degrees   Distance: 1158.6 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 BLANK0000106570 LIC scenario 1

             Call      Chan  Svc Status  City, State               File Number             Distance
Desired:     KASW      D27   DT  LIC     PHOENIX, AZ               BLANK0000106570

Undesireds:  K42LS-D   D27   LD  APP     YUMA, AZ                  K42LS-D D27 3kw Intern  224.3 km
             KUTP      D26   DT  LIC     PHOENIX, AZ               BLCDT20130625AAK          0.1
             KTVW-CD   D27   DC  LIC     FLAGSTAFF/DONEY PARK, AZ  BLDTA20140421ACI        188.7
             KUAS-TV   D28   DT  LIC     TUCSON, AZ                BLEDT20030115ABS        158.8

        Service area       Terrain-limited       IX-free, before        IX-free, after    Percent New IX
 35433.1   4,174,222   28755.8   4,158,059   28573.7   4,155,776   28526.8   4,155,776     0.16     0.00

Undesired                          Total IX     Unique IX, before      Unique IX, after
K42LS-D D27 LD APP        46.9           0                              46.9           0
KUTP D26 DT LIC          146.1       2,262     146.1       2,262      146.1       2,262
KTVW-CD D27 DC LIC        33.0          21      33.0          21      33.0          21
KUAS-TV D28 DT LIC         3.0           0       3.0           0       3.0           0

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Interference to BLANK0000116045 CP scenario 1

             Call      Chan  Svc Status  City, State               File Number             Distance
Desired:     KASW      D27   DD  CP      PHOENIX, AZ               BLANK0000116045

Undesireds:  K42LS-D   D27   LD  APP     YUMA, AZ                  K42LS-D D27 3kw Intern  224.3 km
             KUTP      D26   DT  LIC     PHOENIX, AZ               BLCDT20130625AAK          0.1
             KTVW-CD   D27   DC  LIC     FLAGSTAFF/DONEY PARK, AZ  BLDTA20140421ACI        188.7
             KUAS-TV   D28   DT  LIC     TUCSON, AZ                BLEDT20030115ABS        158.8

        Service area       Terrain-limited       IX-free, before        IX-free, after    Percent New IX
 35433.1   4,174,222   28814.7   4,159,877   28632.4   4,159,723   28584.5   4,159,723     0.17     0.00

Undesired                          Total IX     Unique IX, before      Unique IX, after
K42LS-D D27 LD APP        47.9           0                              47.9           0
KUTP D26 DT LIC          141.2         141     141.2         141      141.2         141
KTVW-CD D27 DC LIC        38.0          13      38.0          13      38.0          13
KUAS-TV D28 DT LIC         3.0           0       3.0           0       3.0           0
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Interference to BLANK0000074955 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw Intern	235.7 km
	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	0.1
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	122.1
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	332.3
	KESQ-TV	D28	DT	LIC	PALM SPRINGS, CA	BLANK0000078362	0.1
	XHBJ	D27	DT	LIC	TIJUANA, BN	BLANKBPFS20160302ADP	161.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7452.7	623,334	5255.5	453,763	5170.3	439,720	5168.4	439,720	0.04	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	4.0	0		2.0	0
KMIR-TV D26 DT LIC	66.4	4,634	30.7	913	30.7	913
KPOM-CD D27 DC LIC	13.8	8,099	6.9	6,276	6.9	6,276
KEYT-TV D27 DT LIC	2.0	0	0.0	0	0.0	0
KESQ-TV D28 DT LIC	43.6	5,031	7.9	3,133	7.9	3,133
XHBJ D27 DT LIC	1.0	0	0.0	0	0.0	0

Interference to BLANK0000074955 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw Intern	235.7 km
	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	0.1
	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	154.9
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	332.3
	KESQ-TV	D28	DT	LIC	PALM SPRINGS, CA	BLANK0000078362	0.1
	XHBJ	D27	DT	LIC	TIJUANA, BN	BLANKBPFS20160302ADP	161.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7452.7	623,334	5255.5	453,763	5163.4	440,520	5161.4	440,520	0.04	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	4.0	0		2.0	0
KMIR-TV D26 DT LIC	66.4	4,634	30.7	913	30.7	913
KPOM-CD D27 DC CP	20.7	7,299	13.8	5,476	13.8	5,476
KEYT-TV D27 DT LIC	2.0	0	0.0	0	0.0	0
KESQ-TV D28 DT LIC	43.6	5,031	8.9	3,133	8.9	3,133
XHBJ D27 DT LIC	1.0	0	0.0	0	0.0	0

Interference to BDFCDTT20120606AAZ APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	DK27DS	D27	LD	APP	YUCCA VALLEY, CA	BDFCDTT20120606AAZ	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw Intern	275.6 km
	K26KI-D	D26	LD	CP	BANNING, CA	BNPDTL20090825ACQ	21.8
	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	39.9
	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	40.0
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	83.2
	KPCD-LP	D27-	LD	CP	San fernando, CA	BLANK0000054282	51.5
	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143996	77.1
	KESQ-TV	D28	DT	LIC	PALM SPRINGS, CA	BLANK0000078362	39.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1764.0	92,675	1182.0	57,207	929.6	30,178	928.6	30,178	0.11	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	1.0	0		1.0	0
K26KI-D D26 LD CP	24.7	66	19.7	66	19.7	66
KMIR-TV D26 DT LIC	115.4	26,784	2.0	0	2.0	0
KVER-CD D27 DC LIC	224.9	26,963	110.4	179	110.4	179
KPOM-CD D27 DC LIC	6.9	0	1.0	0	1.0	0
KPCD-LP D27- LD CP	3.0	0	0.0	0	0.0	0
KESQ-TV D28 DT LIC	75.0	26,628	0.0	0	0.0	0

Interference to BDFCDTT20120606AAZ APP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	DK27DS	D27	LD	APP	YUCCA VALLEY, CA	BDFCDTT20120606AAZ	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw Intern	275.6 km
	K26KI-D	D26	LD	CP	BANNING, CA	BNPDTL20090825ACQ	21.8
	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	39.9
	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	40.0
	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	116.5
	KPCD-LP	D27-	LD	CP	San fernando, CA	BLANK0000054282	51.5
	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143996	77.1
	KESQ-TV	D28	DT	LIC	PALM SPRINGS, CA	BLANK0000078362	39.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1764.0	92,675	1182.0	57,207	928.6	30,178	927.6	30,178	0.11	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	1.0	0		1.0	0
K26KI-D D26 LD CP	24.7	66	16.8	0	16.8	0
KMIR-TV D26 DT LIC	115.4	26,784	2.0	0	2.0	0
KVER-CD D27 DC LIC	224.9	26,963	110.4	179	110.4	179
KPOM-CD D27 DC CP	12.8	66	2.0	0	2.0	0
KPCD-LP D27- LD CP	3.0	0	0.0	0	0.0	0
KESQ-TV D28 DT LIC	75.0	26,628	0.0	0	0.0	0

Interference to BLTTL20001006AAL LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K28FM	N28z	TX	LIC	YUMA, AZ	BLTTL20001006AAL	
Undesireds:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw Intern	0.2 km
	K28QO-D	D28	LD	CP	SENTINEL, AZ	BNPDTL20100510AAS	107.5
	XHAQ	D28	DT	LIC	MEXICALI, BN	BLANKBPFS20050721AFZ	107.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
108.2	32,143	90.1	30,278	44.1	15,817	44.1	15,817	0.00	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K42LS-D D27 LD APP	4.0	0		0.0	0
K28QO-D D28 LD CP	2.0	0	0.0	0	0.0	0
XHAQ D28 DT LIC	46.1	14,461	44.1	14,461	42.1	14,461

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K42LS-D	D27	LD	APP	YUMA, AZ	K42LS-D D27 3kw Intern	
Undesireds:	K26PN-D	D26	LD	CP	WINTERHAVEN, CA	BNPDTL20100510AAW	48.0 km
	KASW	D27	DT	LIC	PHOENIX, AZ	BLANK0000106570	224.3
	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	235.7
	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143996	347.8

Service area		Terrain-limited		IX-free		Percent IX		
6650.3	198,010	5957.3	197,992	5909.2	197,992	0.81	0.00	
912.1	181,335	909.0	181,334	908.0	181,334	0.11	0.00	(in Mexico)

Undesired	Total IX	Unique IX	Prcnt Unique IX		
K26PN-D D26 LD CP	48.0	0	47.0	0	0.79	0.00	
K26PN-D D26 LD CP	1.0	0	1.0	0	0.11	0.00	(in Mexico)
KVER-CD D27 DC LIC	1.0	0	0.0	0	0.00	0.00	