

***APPLICATION FOR MODIFICATION
OF CONSTRUCTION PERMIT***

K19FY – CHICO, CALIFORNIA
FACILITY ID: 68097 / BDFCDT-20111215ADN

DIGITAL NETWORKS–SOUTHWEST, LLC

AUGUST 2020

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APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT

The following engineering statement and attached exhibits have been prepared for **Digital Networks-Southwest, LLC** (“Southwest”), licensee of analog low power television station K19FY, and permittee of a digital flash-cut facility for that station at Chico, California, and are in support of their application for modification of construction permit for the latter.¹ The construction permit for the flash-cut facility is assigned FCC File No. BDFCDTL20111215ADN. This application proposes a relocation of the flash-cut facility, and related changes to other technical parameters.

The current construction permit for the flash-cut facility authorizes operation on television channel 19 with a maximum effective radiated power of 14 kW at a center of radiation of 1161 meters above mean sea level, 82 meters above ground level, utilizing a directional antenna. The proposed facility would also operate on channel 19, but with a maximum effective radiated power of 2 kW. The proposed center of radiation is 208.5 meters above mean sea level, which corresponds to an elevation of 26.5 meters above ground level. It is proposed that a directional antenna consisting of a single Kathrein-Scala PR-TV antenna oriented at 250 degrees true.

The map in Exhibit E-1 provides a comparison between the service contours resulting from the licensed, authorized, and proposed technical parameters. This map demonstrates that the proposed 51 dBu F(50,90) service contour overlaps both the licensed analog 74 dBu F(50,50) contour, and the authorized 51 dBu F(50,90) contour. Additionally, this map also demonstrates that the proposed transmitter site is located within 30 miles of the licensed and authorized sites.

¹ The Facility ID for K19FY at Chico, California is 68097.

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Exhibit E-2 is the output from *TVStudy* for the proposed facility. This study demonstrates that there are no outgoing interference check failures to any proposed or authorized facility. This study was performed at a cell size resolution of 1.0 kilometers, and a profile spacing increment of 1.0 kilometer.

The proposed facility would not constitute a significant environmental impact, and is exempt from environmental processing. The proposed antenna would be mounted to an existing tower that, due to its height, does not require registration with the Commission. The addition of the proposed antenna to this tower would not increase the already existing environmental impact present from the structure.

In addition, the proposed facility would not result in human exposure at ground level to radiofrequency radiation in excess of the Commission's safety standards. Using the equations in Supplement A of *OET Bulletin 65*, the calculated worst-case power density at ground level assuming a downward radiation relative field of 0.3 is $10.01 \mu\text{W}/\text{cm}^2$. This value is substantially below the upper limit of the uncontrolled environment condition. Southwest certifies it will coordinate with all other users of the site to ensure that workers and other personnel are not exposed to levels of radiofrequency radiation in excess of the applicable safety standards. Coordination activities will include, but are not necessarily limited to, a reduction in transmitter power or cessation of operation.

The proposed facility complies with the provisions of Section 74.709 of the Commission's Rules. No land mobile protection issues have been identified based on the tables in that section of

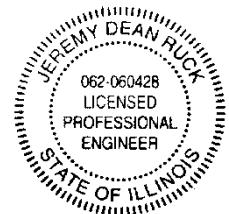
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the rules, or on the output of *TVStudy*. The proposed facility also complies with Sections 74.793(e)-(h) and 74.793(h) of the Commission's Rules. The proposed facility is not located within the vicinity of the Table Mountain receiving zone, nor is it located within the West Virginia quiet zone area. The proposed facility is located 225 kilometers from the Livermore, CA monitoring station. The predicted field strength from the proposed facility is sufficiently low so as not to require notification.

The preceding statement and attached exhibits have been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature
License Expires November 30, 2021

Jeremy D. Ruck, PE
August 31, 2020

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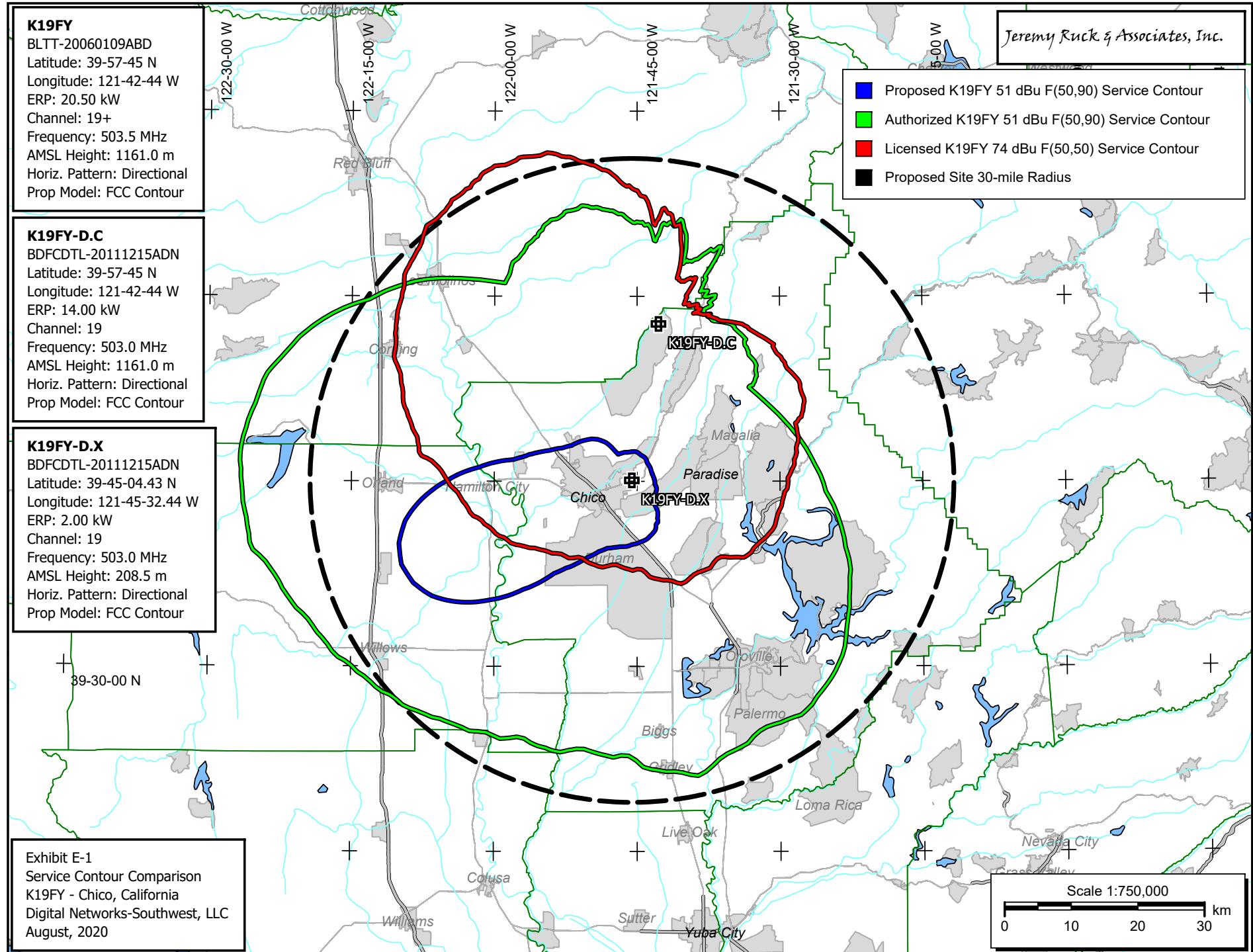


Exhibit E-2 - TVStudy Interference Study

tvstudy v2.2.5 (4uoc83)
 Database: 127.0.0.1, Study: K19FY DFC CP MOD CH 19 ATC 92477 2 kW ERP 208.5 m AMSL PR-TV @250, Model:
 Longley-Rice
 Start: 2020.08.31 16:03:50

Study created: 2020.08.31 16:03:50

Study build station data: LMS TV 2020-08-31

Proposal: K19FY D19 LD CP CHICO, CA
 File number: BDFCDTL20111215ADN
 Facility ID: 68097
 Station data: User record
 Record ID: 206
 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	KXVU-LP	N17-	TX	LIC	CHICO, CA	BLTTL20060303AAJ	23.8 km
No	KHSL-TV	D18	LD	LIC	CHICO, CA	BLANK0000063272	119.6
No	K18ND-D	D18	LD	LIC	CHICO AND PARADISE, CA	BLANK0000068720	23.3
No	K18LJ-D	D18	LD	LIC	DUNSMUR, ETC, CA	BLANK0000011185	170.1
No	KUVS-DT	D18	DT	LIC	MODESTO, CA	BLCDT20020906ABH	202.3
No	KRNS-CD	D18	DC	LIC	RENO, NV	BLANK0000063791	167.9
No	K39EO-D	D19	LD	CP	CRESCENT CITY, CA	BLANK0000029580	306.5
No	K19IC-D	D19	LD	CP	EUREKA, CA	BLANK0000010785	215.6
No	K19IC-D	D19	LD	LIC	EUREKA, CA	BLDTL20100419ACN	234.6
No	KMPH-CD	D19	DC	LIC	MERCED-MARIPOSA, CA	BLANK0000063112	288.8
No	KMBY-LD	D19	LD	LIC	MONTEREY, CA	BLDTL20100520ADV	357.3
No	K19KG-D	D19	LD	CP	NEWMAN, CA	BNPDTL20100513ADT	272.6
Yes	K19IV-D	D19	LD	CP	REDDING, CA	BNPDTL20090825ASG	109.2
Yes	KMUM-CD	D19	DC	LIC	SACRAMENTO, CA	BLANK0000116698	118.5
Yes	KSTS	D19	DT	LIC	SAN JOSE, CA	BLANK0000112998	250.5
No	K19GA-D	D19	LD	LIC	SUSANVILLE, ETC, CA	BLDTT20110822AAE	142.0
No	K51AQ-D	D19	LD	CP	UKIAH, CA	BLANK0000081270	134.6
No	K19GL-D	D19	LD	LIC	YREKA, CA	BLDTT20080826AAQ	219.1
No	K19MK-D	D19	LD	LIC	LAKE TAHOE, NV	BLANK0000090529	162.7
No	KEVO-LD	D19	LD	CP	SUN VALLEY, NV	BDISDTL20120514AAZ	168.7
No	K19LS-D	D19	LD	LIC	WALKER LAKE, NV	BLANK0000062104	304.3
No	K19EU-D	D19	LD	CP	WINNEMUCCA, NV	BLANK0000059879	365.7
No	K19EU-D	D19	LD	LIC	WINNEMUCCA, NV	BLDTT20110701ACI	365.7
No	K19MJ-D	D19	LD	LIC	YERINGTON, NV	BLANK0000090532	232.2
No	K19HS-D	D19	LD	LIC	GRANTS PASS, OR	BLDTT20080714ACF	330.7
No	K19HS-D	D19	LD	CP	GRANTS PASS, OR	BPDTT20111107ALN	322.1
No	K19BK-D	D19	LD	LIC	LAKEVIEW, OR	BLDTT20101112ARX	294.3
No	KFBI-LD	D19	LD	LIC	MEDFORD, OR	BLANK0000055267	295.0
No	K19HH-D	D19	LD	LIC	MIDLAND, ETC., OR	BLDTT20131101AGB	261.1
No	KPIC	D19	DT	LIC	ROSEBURG, OR	BLCDT20120423ABP	408.5
Yes	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	63.0
No	KCVU	D20	DT	LIC	PARADISE, CA	BLCDT20081222AAV	23.8
No	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000073020	135.2
No	K20JX-D	D20	DC	LIC	SACRAMENTO, CA	BLDTA20101006AAS	108.9
No	KDTV-DT	D20	DT	LIC	SAN FRANCISCO, CA	BLANK0000113449	250.5
No	K47AL	D20	LD	CP	UKIAH, CA	BLANK0000081267	134.6
No	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	168.7
No	KNSN-TV	D20	DT	APP	RENO, NV	BLANK0000035790	168.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19
 Mask: Full Service
 Latitude: 39 45 4.40 N (NAD83)

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Longitude: 121 45 32.40 W
 Height AMSL: 208.5 m
 HAAT: 1.5 m
 Peak ERP: 2.00 kW
 Antenna: SCA PR-TV 250.0 deg
 Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.004 kW	-192.0 m	4.8 km
45.0	0.002	-202.3	3.8
90.0	0.002	-187.4	3.8
135.0	0.004	32.9	5.0
180.0	0.005	142.1	10.6
225.0	0.146	153.9	25.3
270.0	0.370	152.3	29.9
315.0	0.005	112.4	9.7

Database HAAT does not agree with computed HAAT
 Database HAAT: 2 m Computed HAAT: 1 m

Distance to Canadian border: 952.5 km

Distance to Mexican border: 884.1 km

Conditions at FCC monitoring station: Livermore CA
 Bearing: 179.9 degrees Distance: 225.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 82.9 degrees Distance: 1405.0 km

No land mobile station failures found

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 BNPDTL20090825ASG CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K19IV-D	D19	LD	CP	REDDING, CA	BNPDTL20090825ASG	
Undesireds:	K19FY	N19+	TX	LIC	CHICO, CA	BLTT2006109ABD	91.8 km
	K19FY	D19	LD	CP	CHICO, CA	BDFCDTL20111215ADN	109.2
	KHSL-TV	D18	LD	LIC	CHICO, CA	BLANK0000063272	12.9
	K19IC-D	D19	LD	CP	EUREKA, CA	BLANK0000010785	133.1
	K19HS-D	D19	LD	LIC	GRANTS PASS, OR	BLDTT20080714ACF	222.4
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	46.3
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
854.6	141,490	789.7	137,054	688.9	132,009	718.8	133,727
Undesired		Total IX		Unique IX, before	Unique IX, after		
K19FY N19+ TX LIC	88.8	4,667		29.9	1,718		
K19FY D19 LD CP	0.0	0			0.0	0	
KHSL-TV D18 LD LIC	34.0	1,327		0.0	0	0.0	0
KNVN D20 DT CP	70.9	3,327		10.0	279	36.9	2,000

Interference to BLANK0000116698 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMUM-CD	D19	DC	LIC	SACRAMENTO, CA	BLANK0000116698	

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Undesireds:	K19FY	N19+	TX	LIC	CHICO, CA	BLTT20060109ABD	140.9	km
	K19FY	D19	LD	CP	CHICO, CA	BDFCDTL20111215ADN	118.5	
	KUVS-DT	D18	DT	LIC	MODESTO, CA	BLCDT20020906ABH	92.6	
	KSTS	D19	DT	LIC	SAN JOSE, CA	BLANK0000112998	138.7	
	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000073020	33.5	

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
4096.6	1,800,860	4067.7	1,799,151	3738.1	1,788,691	3790.9	1,789,393	-1.41 -0.04

Undesired		Total IX	Unique IX, before		Unique IX, after		
K19FY N19+	TX LIC	56.7	2,499	52.7	702	0.0	0
K19FY D19	LD CP	0.0	0				
KUVS-DT D18	DT LIC	11.0	1,732	7.0	646	7.0	646
KSTS D19	DT LIC	216.8	8,977	206.8	4,221	210.8	6,018
K20JX-D D20	DC CP	56.0	2,085	53.0	135	53.0	135

Interference to BLANK0000116698 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance	
	KMUM-CD	D19	DC	LIC	SACRAMENTO, CA	BLANK0000116698		
Undesireds:	K19FY	N19+	TX	LIC	CHICO, CA	BLTT20060109ABD	140.9	km
	K19FY	D19	LD	CP	CHICO, CA	BDFCDTL20111215ADN	118.5	
	KUVS-DT	D18	DT	LIC	MODESTO, CA	BLCDT20020906ABH	92.6	
	KSTS	D19	DT	LIC	SAN JOSE, CA	BLANK0000112998	138.7	
	K20JX-D	D20	DC	LIC	SACRAMENTO, CA	BLDTA20101006AAS	19.5	
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
4096.6	1,800,860	4067.7	1,799,151	3790.1	1,788,782	3842.9	1,789,484	-1.39 -0.04
Undesired		Total IX	Unique IX, before		Unique IX, after			
K19FY N19+	TX LIC	56.7	2,499	52.7	702	0.0	0	
K19FY D19	LD CP	0.0	0					
KUVS-DT D18	DT LIC	11.0	1,732	7.0	646	7.0	646	
KSTS D19	DT LIC	216.8	8,977	208.8	6,094	211.8	7,686	
K20JX-D D20	DC LIC	2.0	249	1.0	44	1.0	44	

Interference to BLANK0000112998 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance	
	KSTS	D19	DT	LIC	SAN JOSE, CA	BLANK0000112998		
Undesireds:	K19FY	N19+	TX	LIC	CHICO, CA	BLTT20060109ABD	274.2	km
	K19FY	D19	LD	CP	CHICO, CA	BDFCDTL20111215ADN	250.5	
	KUVS-DT	D18	DT	LIC	MODESTO, CA	BLCDT20020906ABH	122.0	
	KBBV-CD	D19	DC	LIC	BAKERSFIELD, CA	BLDTA20110930BHC	371.1	
	KMPH-CD	D19	DC	LIC	MERCED-MARIPOSA, CA	BLANK0000063112	162.7	
	KMUM-CD	D19	DC	LIC	SACRAMENTO, CA	BLANK0000116698	138.7	
	KCOY-TV	D19	DT	LIC	SANTA MARIA, CA	BLCDT20030604ACM	325.0	
	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000073020	144.5	
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
39610.0	8,361,669	31987.9	7,237,113	30110.8	7,012,837	30113.8	7,012,838	-0.01 -0.00
Undesired		Total IX	Unique IX, before		Unique IX, after			
K19FY N19+	TX LIC	246.9	5,988	3.0	1	0.0	0	
K19FY D19	LD CP	0.0	0					
KUVS-DT D18	DT LIC	756.2	147,114	11.1	5	12.2	5	
KBBV-CD D19	DC LIC	21.0	0	5.0	0	5.0	0	
KMPH-CD D19	DC LIC	1189.7	202,920	329.8	27,076	331.8	27,076	
KMUM-CD D19	DC LIC	1279.8	187,286	404.0	12,846	409.0	12,925	
KCOY-TV D19	DT LIC	163.6	7,676	160.5	7,676	160.5	7,676	
K20JX-D D20	DC CP	212.2	7,215	2.0	3	2.0	3	

Interference to BLANK0000112998 LIC scenario 2

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Exhibit E-2 - TVStudy Interference Study

Desired:	Call KSTS	Chan D19	Svc DT	Status LIC	City, State SAN JOSE, CA	File Number BLANK0000112998	Distance
Undesireds:	K19FY K19FY KUVS-DT KBBV-CD KMPH-CD KMUM-CD KCOY-TV K20JX-D	N19+ D19 D18 D19 D19 D19 D19 D20	TX LD DT DC DC DC DT DC	LIC CP LIC LIC LIC LIC LIC LIC	CHICO, CA CHICO, CA MODESTO, CA BAKERSFIELD, CA MERCED-MARIPOSA, CA SACRAMENTO, CA SANTA MARIA, CA SACRAMENTO, CA	BLTT20060109ABD BDFCDTL20111215ADN BLCDT20020906ABH BLDTA20110930BHC BLANK0000063112 BLANK0000116698 BLCDT20030604ACM BLDTA20101006AAS	274.2 km 250.5 122.0 371.1 162.7 138.7 325.0 155.9
Service area 39610.0	8,361,669	31987.9	Terrain-limited 7,237,113		IX-free, before 30112.8	IX-free, after 30115.8	Percent New IX -0.01
Undesired			Total IX 246.9	5,988	Unique IX, before 3.0	Unique IX, after 1	
K19FY N19+ TX LIC K19FY D19 LD CP KUVS-DT D18 DT LIC KBBV-CD D19 DC LIC KMPH-CD D19 DC LIC KMUM-CD D19 DC LIC KCOY-TV D19 DT LIC K20JX-D D20 DC LIC			0.0	0	0.0	0	
			756.2	147,114	11.1	5	13.2 10
			21.0	0	5.0	0	5.0 0
			1189.7	202,920	331.8	27,076	333.8 27,076
			1279.8	187,286	424.1	13,351	429.1 13,351
			163.6	7,676	160.5	7,676	160.5 7,676
			9.0	195	0.0	0	0.0 0
<hr/>							
Interference to BLANK0000112998 LIC scenario 3							
Desired:	Call KSTS	Chan D19	Svc DT	Status LIC	City, State SAN JOSE, CA	File Number BLANK0000112998	Distance
Undesireds:	K19FY K19FY KUVS-DT KBBV-CD KMPH-CD KMUM-CD KCOY-TV K20JX-D	N19+ D19 D18 D19 D19 D19 D19 D20	TX LD DT DC DC DC DT DC	LIC CP LIC LIC LIC LIC LIC CP	CHICO, CA CHICO, CA MODESTO, CA BAKERSFIELD, CA MERCED-MARIPOSA, CA SACRAMENTO, CA SANTA MARIA, CA SACRAMENTO, CA	BLTT20060109ABD BDFCDTL20111215ADN BLCDT20020906ABH BLANK0000035842 BLANK0000063112 BLANK0000116698 BLCDT20030604ACM BLANK0000073020	274.2 km 250.5 122.0 361.6 162.7 138.7 325.0 144.5
Service area 39610.0	8,361,669	31987.9	Terrain-limited 7,237,113		IX-free, before 30114.8	IX-free, after 30117.8	Percent New IX -0.01
Undesired			Total IX 246.9	5,988	Unique IX, before 3.0	Unique IX, after 1	
K19FY N19+ TX LIC K19FY D19 LD CP KUVS-DT D18 DT LIC KBBV-CD D19 DC CP KMPH-CD D19 DC LIC KMUM-CD D19 DC LIC KCOY-TV D19 DT LIC K20JX-D D20 DC CP			0.0	0	0.0	0	
			756.2	147,114	11.1	5	12.2 5
			5.0	0	1.0	0	1.0 0
			1189.7	202,920	342.8	27,076	344.8 27,076
			1279.8	187,286	404.0	12,846	409.0 12,925
			163.6	7,676	160.5	7,676	160.5 7,676
			212.2	7,215	2.0	3	2.0 3
<hr/>							
Interference to BLANK0000112998 LIC scenario 4							
Desired:	Call KSTS	Chan D19	Svc DT	Status LIC	City, State SAN JOSE, CA	File Number BLANK0000112998	Distance
Undesireds:	K19FY K19FY KUVS-DT KBBV-CD KMPH-CD KMUM-CD KCOY-TV K20JX-D	N19+ D19 D18 D19 D19 D19 D19 D20	TX LD DT DC DC DC DT DC	LIC CP LIC LIC LIC LIC LIC LIC	CHICO, CA CHICO, CA MODESTO, CA BAKERSFIELD, CA MERCED-MARIPOSA, CA SACRAMENTO, CA SANTA MARIA, CA SACRAMENTO, CA	BLTT20060109ABD BDFCDTL20111215ADN BLCDT20020906ABH BLANK0000035842 BLANK0000063112 BLANK0000116698 BLCDT20030604ACM BLDTA20101006AAS	274.2 km 250.5 122.0 361.6 162.7 138.7 325.0 155.9
Service area 39610.0	8,361,669	31987.9	Terrain-limited 7,237,113		IX-free, before 30116.8	IX-free, after 30119.8	Percent New IX -0.01

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Undesired		Total IX	Unique IX, before	Unique IX, after	
K19FY N19+ TX LIC	246.9	5,988	3.0	1	
K19FY D19 LD CP	0.0	0		0.0	0
KUVS-DT D18 DT LIC	756.2	147,114	11.1	5	13.2 10
KBBV-CD D19 DC CP	5.0	0	1.0	0	1.0 0
KMPH-CD D19 DC LIC	1189.7	202,920	344.8	27,076	346.8 27,076
KMUM-CD D19 DC LIC	1279.8	187,286	424.1	13,351	429.1 13,351
KCOY-TV D19 DT LIC	163.6	7,676	160.5	7,676	160.5 7,676
K20JX-D D20 DC LIC	9.0	195	0.0	0	0.0 0

Interference to BLANK0000034865 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	
Undesireds:	K19FY N19+ TX LIC		TX	LIC	CHICO, CA	BLTT20060109ABD	46.0 km
	K19FY D19 LD CP		LD	CP	CHICO, CA	BDFCDTL20111215ADN	63.0
	K20JX-D D20 DC CP		DC	CP	SACRAMENTO, CA	BLANK0000073020	198.2
	KDTV-DT D20 DT LIC		DT	LIC	SAN FRANCISCO, CA	BLANK0000113449	307.3
	KNSN-TV D20 DT LIC		DT	LIC	RENO, NV	BLANK0000001059	209.2
Service area		Terrain-limited			IX-free, before	IX-free, after	Percent New IX
31525.9	495,781	26213.1	459,519	26093.2	456,761	26103.2	457,599
Undesired		Total IX			Unique IX, before	Unique IX, after	
K19FY N19+ TX LIC	17.1	1,407		10.1	838		
K19FY D19 LD CP	0.0	0			0.0	0	
K20JX-D D20 DC CP	79.8	1,720		62.7	1,225	67.7 1,720	
KDTV-DT D20 DT LIC	39.2	200		25.1	126	27.1 200	
KNSN-TV D20 DT LIC	3.0	0		3.0	0	3.0 0	

Interference to BLANK0000034865 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	
Undesireds:	K19FY N19+ TX LIC		TX	LIC	CHICO, CA	BLTT20060109ABD	46.0 km
	K19FY D19 LD CP		LD	CP	CHICO, CA	BDFCDTL20111215ADN	63.0
	K20JX-D D20 DC CP		DC	LIC	SACRAMENTO, CA	BLDTA20101006AAS	171.7
	KDTV-DT D20 DT LIC		DT	LIC	SAN FRANCISCO, CA	BLANK0000113449	307.3
	KNSN-TV D20 DT LIC		DT	LIC	RENO, NV	BLANK0000001059	209.2
Service area		Terrain-limited			IX-free, before	IX-free, after	Percent New IX
31525.9	495,781	26213.1	459,519	26149.9	456,831	26164.0	458,150
Undesired		Total IX			Unique IX, before	Unique IX, after	
K19FY N19+ TX LIC	17.1	1,407		14.1	1,319		
K19FY D19 LD CP	0.0	0			0.0	0	
K20JX-D D20 DC LIC	15.0	1,243		6.0	1,155	7.0 1,169	
KDTV-DT D20 DT LIC	39.2	200		30.1	126	31.1 126	
KNSN-TV D20 DT LIC	3.0	0		3.0	0	3.0 0	

Interference to BLANK0000034865 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	
Undesireds:	K19FY N19+ TX LIC		TX	LIC	CHICO, CA	BLTT20060109ABD	46.0 km
	K19FY D19 LD CP		LD	CP	CHICO, CA	BDFCDTL20111215ADN	63.0
	K20JX-D D20 DC CP		DC	CP	SACRAMENTO, CA	BLANK0000073020	198.2
	KDTV-DT D20 DT LIC		DT	LIC	SAN FRANCISCO, CA	BLANK0000113449	307.3
	KNSN-TV D20 APP		APP		RENO, NV	BLANK0000035790	209.2
Service area		Terrain-limited			IX-free, before	IX-free, after	Percent New IX
31525.9	495,781	26213.1	459,519	26093.2	456,761	26103.2	457,599

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Exhibit E-2 - TVStudy Interference Study

Undesired		Total IX	Unique IX, before	Unique IX, after
K19FY N19+ TX LIC	17.1	1,407	10.1	838
K19FY D19 LD CP	0.0	0		0
K20JX-D D20 DC CP	79.8	1,720	62.7	1,225
KDTV-DT D20 DT LIC	39.2	200	25.1	126
KNSN-TV D20 DT APP	4.0	0	3.0	0
			0	3.0

Interference to BLANK0000034865 CP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	
Undesireds:	K19FY	N19+	TX	LIC	CHICO, CA	BLTT20060109ABD	46.0 km
	K19FY	D19	LD	CP	CHICO, CA	BDFCDTL20111215ADN	63.0
	K20JX-D	D20	DC	LIC	SACRAMENTO, CA	BLDTA20101006AAS	171.7
	KDTV-DT	D20	DT	LIC	SAN FRANCISCO, CA	BLANK0000113449	307.3
	KNSN-TV	D20	DT	APP	RENO, NV	BLANK0000035790	209.2
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31525.9	495,781	26213.1	459,519	26149.9	456,831	26164.0	458,150
							-0.05 -0.29
Undesired				Total IX	Unique IX, before	Unique IX, after	
K19FY N19+ TX LIC		17.1	1,407	14.1	1,319		
K19FY D19 LD CP		0.0	0		0.0	0	
K20JX-D D20 DC LIC		15.0	1,243	6.0	1,155	7.0	1,169
KDTV-DT D20 DT LIC		39.2	200	29.1	126	30.1	126
KNSN-TV D20 DT APP		4.0	0	3.0	0	3.0	0

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K19FY	D19	LD	CP	CHICO, CA	BDFCDTL20111215ADN	
Undesireds:	K18ND-D	D18	LD	LIC	CHICO AND PARADISE, CA	BLANK0000068720	23.3 km
	K19IC-D	D19	LD	CP	EUREKA, CA	BLANK0000010785	215.6
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	63.0
	Service area			Terrain-limited	IX-free	Percent IX	
746.4	105,674	741.4	105,559	675.2	103,467	8.92	1.98
Undesired				Total IX	Unique IX	Prcnt Unique IX	
K18ND-D D18 LD LIC		66.1	2,092	62.1	2,072	8.38	1.96
KNVN D20 DT CP		4.0	20	0.0	0	0.00	0.00

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