

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: 00113_04112020_K19CX_40458, Model: Longley-Rice

Start: 2020.04.11 16:40:48

Study created: 2020.04.11 16:40:48

Study build station data: LMS TV 2020-03-27

Proposal: K19CX D19 LD APP YUMA, AZ

File number: 00112_04112020_K19CX_40458

Facility ID: 40458

Station data: User record

Record ID: 966

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	K18JL-D	D18	LD	LIC	PHOENIX, AZ	BLANK0000075040	224.0 km
No	K18LD-D	D18	LD	CP	ROLL, AZ	BNPDTL20100510AAP	75.1
No	NEW	D18	LD	APP	SALOME, AZ	BNPDTL20100514AEP	130.1
No	KUSI-TV	D18	DT	LIC	SAN DIEGO, CA	BLANK0000005158	243.2
No	K19FD	N19+	TX	LIC	CAMP VERDE, AZ	BLTTL20050506ACT	303.0
No	K19FD	D19	LD	CP	CAMP VERDE, AZ	BDFCDTL20120604AAB	303.0
Yes	K19JT-D	D19	LD	CP	GILA RIVER INDIAN CO, AZ	BLANK0000071769	224.0
No	KGRF-LD	D19	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001685	211.7
No	KDOS-LD	D19	LD	LIC	GLOBE, AZ	BLANK0000090731	334.0
No	KMOH-TV	D19	DT	LIC	KINGMAN, AZ	BLCDT20060707ABK	262.6
No	K19KV-D	D19	LD	LIC	PRESCOTT, AZ	BLANK0000063234	262.2
No	KTTU	D19	DT	LIC	TUCSON, AZ	BLCDT20030926ANZ	340.5
No	NEW	D19	LD	APP	DESERT CENTER, CA	BNPDTL20100514ADD	121.3
Yes	NEW	D19	LD	APP	HOLTVILLE, CA	BNPDTL20100510AAD	89.0
No	K19BT	N19-	TX	LIC	LUCERNE VALLEY, CA	BLTT19880307ID	308.6
Yes	KPBS	D19	DT	LIC	SAN DIEGO, CA	BLANK0000069249	243.2
No	K19KK-D	D19	LD	CP	WHITE WATER, CA	BNPDTL20100514ACF	263.0
No	KHDF-CD	D19	DC	LIC	LAS VEGAS, NV	BLDTA20140912AAV	376.3
No	KHDF-CD	D19	DC	CP	LAS VEGAS, NV	BLANK0000058623	376.1
No	KHDF-CD	D19	DC	LIC	LAS VEGAS, NV	BLANK0000106423	376.1
No	KPAZ-TV	D20	DT	LIC	PHOENIX, AZ	BLCDT20131121AHS	224.4
No	K26FS	N26+	TX	LIC	BLYTHE, CA	BLTT20020311ABG	100.0
No	XHMEX	D18	DT	LIC	MEXICALI, BN	BLANKBPFS20160302ABR	108.6

No XHILA D20 DT LIC MEXICALI, BN

BLANKBPFS20160302ACO 119.2

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: 32 40 11.90 N (NAD83)
Longitude: 114 20 8.34 W
Height AMSL: 495.3 m
HAAT: 0.0 m
Peak ERP: 1.80 kW
Antenna: SCA 2_Paraflectors_at_85_275_25_75_Power 0.0 deg
Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.010 kW	424.0 m	21.7 km
45.0	0.016	353.4	22.5
90.0	0.566	426.3	44.6
135.0	0.009	333.5	19.3
180.0	0.010	182.0	14.2
225.0	0.012	363.2	21.3
270.0	1.60	407.1	50.3
315.0	0.025	322.6	23.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 352 m

Distance to Canadian border: 1815.1 km

**Proposal is within coordination distance of Mexican border

Distance to Mexican border: 33.6 km

Conditions at FCC monitoring station: Douglas AZ

Bearing: 105.2 degrees Distance: 459.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 41.8 degrees Distance: 1158.7 km

No land mobile station failures found

Study cell size: 0.50 km
Profile point spacing: 0.50 km

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

Interference to BLANK0000071769 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K19JT-D	D19	LD	CP	GILA RIVER INDIAN CO, AZ	BLANK0000071769	
Undesireds:	K19CX	N19	TX	LIC	YUMA, AZ	BLTT19941212JC	224.0 km
	K19CX	D19	LD	APP	YUMA, AZ	00112_04112020_K19CX_4	224.0
	K19FD	N19+	TX	LIC	CAMP VERDE, AZ	BLTTL20050506ACT	127.1
	KGRF-LD	D19	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001685	15.6
	KDOS-LD	D19	LD	LIC	GLOBE, AZ	BLANK0000090731	115.0
	KTTU	D19	DT	LIC	TUCSON, AZ	BLCDT20030926ANZ	162.2
	KPAZ-TV	D20	DT	LIC	PHOENIX, AZ	BLCDT20131121AHS	0.4

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	11381.9	3,992,348	8990.7	3,910,329	4695.6	2,621,421	4695.6	2,621,421	0.00 0.00
Undesired				Total IX		Unique IX, before		Unique IX, after	
K19CX N19 TX LIC		0.0		0		0.0		0	
K19CX D19 LD APP		0.2		0			0.0	0	
KGRF-LD D19 LD LIC		2040.3		583,926	1144.7	404,437	1144.7	404,437	
KDOS-LD D19 LD LIC		34.8		21,242	4.4	209	4.4	209	
KTTU D19 DT LIC		2086.6		787,037	1079.0	565,923	1079.0	565,923	
KPAZ-TV D20 DT LIC		1666.3		219,583	622.5	42,832	622.3	42,832	

Interference to BNPDTL20100510AAD APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	NEW	D19	LD	APP	HOLTVILLE, CA	BNPDTL20100510AAD	
Undesireds:	K19CX	N19	TX	LIC	YUMA, AZ	BLTT19941212JC	89.0 km
	K19CX	D19	LD	APP	YUMA, AZ	00112_04112020_K19CX_4	89.0

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

982.4	9,124	982.4	9,124	982.4	9,124	954.1	8,966	2.88	1.73	
195.9	57,186	195.9	57,186	195.9	57,186	175.2	57,166	10.58	0.03	(in Mexico)

Undesired		Total IX	Unique IX, before	Unique IX, after	
K19CX N19 TX LIC	0.0	0	0.0	0	
K19CX D19 LD APP	28.3	158		28.3	158
K19CX N19 TX LIC	0.0	0	0.0	0	(in Mexico)
K19CX D19 LD APP	20.7	20		20.7	20 (in Mexico)

Interference to BLANK0000069249 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPBS	D19	DT	LIC	SAN DIEGO, CA	BLANK0000069249	
Undesireds:	K19CX	N19	TX	LIC	YUMA, AZ	BLTT19941212JC	243.2 km
	K19CX	D19	LD	APP	YUMA, AZ	00112_04112020_K19CX_4	243.2
	KPSP-CD	D18	DC	LIC	CATHEDRAL CITY, CA	BLANK0000075036	137.9
	KSCI	D18	DD	APP	LONG BEACH, CA	BLANK0000036118	198.2
	KUSI-TV	D18	DT	LIC	SAN DIEGO, CA	BLANK0000005158	0.1
	KMOH-TV	D19	DT	LIC	KINGMAN, AZ	BLCDT20060707ABK	351.4
	KBBV-CD	D19	DC	LIC	BAKERSFIELD, CA	BLDTA20110930BHC	342.1
	KHDF-CD	D19	DC	LIC	LAS VEGAS, NV	BLDTA20140912AAV	408.5
	XHILA	D20	DT	LIC	MEXICALI, BN	BLANKBPFS20160302ACO	126.7

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX	
	21606.1	3,583,289	18328.9	3,435,658	18288.4	3,432,863
	11272.6	1,751,954	10233.6	1,662,912	10224.8	1,662,571
					18279.0	3,432,776
					10224.8	1,662,571
					0.05	0.00
					0.00	0.00 (in Mexico)

Undesired		Total IX	Unique IX, before	Unique IX, after	
K19CX N19 TX LIC	21.6	6	20.4	6	
K19CX D19 LD APP	31.3	93		29.9	93
KPSP-CD D18 DC LIC	1.4	0	1.2	0	
KSCI D18 DD APP	5.1	2,425	5.1	2,425	
KUSI-TV D18 DT LIC	9.0	364	9.0	364	
KUSI-TV D18 DT LIC	8.8	341	8.8	341	(in Mexico)
KMOH-TV D19 DT LIC	4.6	0	3.4	0	
XHILA D20 DT LIC	0.2	0	0.0	0	

Interference to BLANK0000069249 LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
------	------	-----	--------	-------------	-------------	----------

Desired:	KPBS	D19	DT	LIC	SAN DIEGO, CA	BLANK0000069249	
Undesireds:	K19CX	N19	TX	LIC	YUMA, AZ	BLTT19941212JC	243.2 km
	K19CX	D19	LD	APP	YUMA, AZ	00112_04112020_K19CX_4	243.2
	KPSP-CD	D18	DC	LIC	CATHEDRAL CITY, CA	BLANK0000075036	137.9
	KSCI	D18	DT	LIC	LONG BEACH, CA	BLANK0000055430	198.2
	KUSI-TV	D18	DT	LIC	SAN DIEGO, CA	BLANK0000005158	0.1
	KMOH-TV	D19	DT	LIC	KINGMAN, AZ	BLCDT20060707ABK	351.4
	KBBV-CD	D19	DC	LIC	BAKERSFIELD, CA	BLDTA20110930BHC	342.1
	KHDF-CD	D19	DC	LIC	LAS VEGAS, NV	BLDTA20140912AAV	408.5
	XHILA	D20	DT	LIC	MEXICALI, BN	BLANKBPFS20160302ACO	126.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
21606.1 3,583,289	18328.9 3,435,658	18279.7 3,429,986	18270.3 3,429,899	0.05 0.00
11272.6 1,751,954	10233.6 1,662,912	10224.8 1,662,571	10224.8 1,662,571	0.00 0.00 (in Mexico)

Undesired	Total IX	Unique IX, before	Unique IX, after
K19CX N19 TX LIC 21.6	6	20.4	6
K19CX D19 LD APP 31.3	93		29.9 93
KPSP-CD D18 DC LIC 1.4	0	1.2	0
KSCI D18 DT LIC 13.8	5,302	13.8	5,302
KUSI-TV D18 DT LIC 9.0	364	9.0	364
KUSI-TV D18 DT LIC 8.8	341	8.8	341 (in Mexico)
KMOH-TV D19 DT LIC 4.6	0	3.4	0
XHILA D20 DT LIC 0.2	0	0.0	0

Interference to proposal scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: K19CX	D19	LD	APP	YUMA, AZ	00112_04112020_K19CX_4	
Undesireds: K19FD	N19+	TX	LIC	CAMP VERDE, AZ	BLTTL20050506ACT	303.0 km
NEW	D19	LD	APP	HOLTVILLE, CA	BNPDTL20100510AAD	89.0

Service area	Terrain-limited	IX-free	Percent IX
2551.8 167,710	2475.5 167,692	2474.3 167,692	0.05 0.00
115.4 11,572	115.4 11,572	115.1 11,572	0.21 0.00 (in Mexico)

Undesired	Total IX	Unique IX	Prcnt Unique IX
NEW D19 LD APP 1.2	0	1.2	0
NEW D19 LD APP 0.2	0	0.2	0

(in Mexico)