

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: 01974_02232023_K18DD_9959, Model: Longley-Rice

Start: 2023.02.23 17:07:06

Study created: 2023.02.23 17:07:06

Study build station data: LMS TV 2023-02-09

Proposal: K18DD-D D18 LD APP CAMP VERDE, AZ

File number: 01966_02032023_K18DD_9959

Facility ID: 9959

Station data: User record

Record ID: 1777

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	K17MO-D	D17	LD	LIC	FLAGSTAFF, AZ	BLANK0000062883	77.6 km
Yes	KPHO-TV	D17	DT	LIC	PHOENIX, AZ	BLANK0000150149	150.5
No	K18CB-D	D18	LD	LIC	BULLHEAD CITY, AZ	BLDTT20140604ABM	247.2
No	K18NN-D	D18	LD	LIC	GLOBE, AZ	BLANK0000093859	195.5
Yes	K18LZ-D	D18	LD	LIC	KINGMAN, AZ	BLANK0000071715	168.7
Yes	KPNX	D18	DT	LIC	MESA, AZ	BLANK0000153358	150.6
No	K18NS-D	D18	LD	CP	SALOME, AZ	BNPDTL20100514AEP	174.3
No	KFTU-CD	D18	DC	LIC	TUCSON, AZ	BLDTA20120110ADO	284.0
No	KPSP-CD	D18	DC	LIC	CATHEDRAL CITY, CA	BLANK0000075036	406.9
No	K18HF-D	D18	LD	LIC	GALLUP, NM	BLDTT20110718AAI	321.1
No	K18LG-D	D18	LD	LIC	SHIPROCK, NM	BLDTT20140102ALU	336.8
No	KHMP-LD	D18	LD	LIC	LAS VEGAS, NV	BLANK0000010687	300.3
No	K18IP-D	D18	LD	LIC	OVERTON, NV	BLDTT20100324ABL	310.5
No	K18NA-D	D18	LD	LIC	PAHRUMP, NV	BLANK0000082242	337.2
No	K34JO-D	D18	LD	LIC	BLUFF & AREA, UT	BLANK0000059793	368.2
No	K18MT-D	D18	LD	LIC	CEDAR CITY, UT	BLANK0000091265	338.2
No	K18MC-D	D18	LD	LIC	ENTERPRISE, UT	BLANK0000152332	342.6
No	K27KD-D	D18	LD	LIC	HATCH, UT	BLANK0000080799	333.1
No	K18ML-D	D18	LD	LIC	HENRIEVILLE, UT	BLANK0000074894	318.8
No	K18IB-D	D18	LD	LIC	MEXICAN HAT, UT	BLDTT20091222ALS	340.9
No	K18HZ-D	D18	LD	LIC	NAVAJO MOUNTAIN, UT	BLDTT20091222AKH	286.5
No	K18IA-D	D18	LD	LIC	OLJETO, UT	BLDTT20091222ALR	307.1
No	K18ET-D	D18	LD	LIC	ORDERVILLE, UT	BLDTT20090727AAI	291.1

No	K18MG-D	D18	LD	LIC	PANGUITCH, UT	BLANK0000080787	349.7
No	K18MH-D	D18	LD	LIC	RURAL GARFIELD, UT	BLANK0000080331	341.8
No	KUEW	D18	DT	LIC	ST. GEORGE, UT	BLEDT20020826ABB	294.9
Yes	K19FD-D	D19	LD	LIC	CAMP VERDE, AZ	BLANK0000179589	32.9
No	K19FD-D	N19+	TX	LIC	CAMP VERDE, AZ	BLTTL20050506ACT	33.4
No	K19IP-D	D19	LD	LIC	FLAGSTAFF, AZ	BLDTL20140528AHZ	77.0
No	KGRX-LD	D19	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000185851	150.6
No	KGRF-LD	D19	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001685	146.0
No	KDOS-LD	D19	LD	LIC	GLOBE, AZ	BLANK0000090731	195.5
No	KMOH-TV	D19	DT	LIC	KINGMAN, AZ	BLCDT20060707ABK	208.7
Yes	K19KV-D	D19	LD	LIC	PRESCOTT, AZ	BLANK0000063234	44.0
No	K21GE-D	N21-	TX	LIC	CAMP VERDE, AZ	BLTT20040830AAI	32.9
No	K25MK-D	N25	TX	LIC	CAMP VERDE, AZ	BLTT20120316AAL	32.9
No	XHMEX	D18	DT	LIC	MEXICALI, BN	BLANKBPFS20160302ABR	388.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D18
 Mask: Full Service
 Latitude: 34 41 14.00 N (NAD83)
 Longitude: 112 7 2.50 W
 Height AMSL: 2357.0 m
 HAAT: 0.0 m
 Peak ERP: 13.8 kW
 Antenna: SCA-SL-8 (ID 23503) 0.0 deg
 Elev Pattn: Generic

49.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	13.8 kW	809.2 m	74.5 km
45.0	11.8	1167.6	81.2
90.0	6.38	1207.9	76.9
135.0	6.19	804.0	68.8
180.0	7.15	628.9	66.1
225.0	5.74	587.0	63.5
270.0	6.57	603.9	64.9
315.0	11.4	438.2	63.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 781 m

Distance to Canadian border: 1590.7 km

Distance to Mexican border: 315.3 km

Conditions at FCC monitoring station: Douglas AZ

Bearing: 146.4 degrees Distance: 421.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 43.1 degrees Distance: 854.8 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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 BLANK0000150149 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPHO-TV	D17	DT	LIC	PHOENIX, AZ	BLANK0000150149	
Undesireds:	K18DD-D	D18	LD	APP	CAMP VERDE, AZ	01966_02032023_K18DD_9	150.5 km
	KHRR	D16	DT	LIC	TUCSON, AZ	BLANK0000064008	149.5
	KPNX	D18	DT	LIC	MESA, AZ	BLANK0000153358	0.2
	KFTU-CD	D18	DC	LIC	TUCSON, AZ	BLDTA20120110ADO	161.9
	XHCTME	D17	DT	LIC	MEXICALI, BN	BLANKBPFS20160524AAV	341.8
	XHNOS	D17	DT	LIC	NOGALES, SO	BLANKBPFS20160315ABD	246.2

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
39012.8	4,194,298	32198.9	4,175,509	31824.7	4,162,628	31777.3	4,161,232	0.15	0.03

Undesired		Total IX	Unique IX, before	Unique IX, after
K18DD-D D18 LD APP	47.3	1,396	47.3	1,396
KHRR D16 DT LIC	78.2	705	73.1	375
KPNX D18 DT LIC	263.1	12,176	263.1	12,176
KFTU-CD D18 DC LIC	24.0	0	22.0	0

XHCTME D17 DT LIC	11.0	0	11.0	0	11.0	0
XHNOS D17 DT LIC	3.0	330	0.0	0	0.0	0

Interference to BLANK0000071715 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K18LZ-D	D18	LD	LIC	KINGMAN, AZ	BLANK0000071715	
Undesireds:	K18DD-D	D18	LD	APP	CAMP VERDE, AZ	01966_02032023_K18DD_9	168.7 km
	K17NS-D	D17	LD	LIC	CHLORIDE, AZ	BLANK0000071714	42.6
	K17BN-D	D17	LD	LIC	NEEDLES, CA	BLDTT20130308ACD	42.8
	K18CB-D	D18	LD	LIC	BULLHEAD CITY, AZ	BLDTT20140604ABM	78.4
	KPNX	D18	DT	LIC	MESA, AZ	BLANK0000153358	257.6
	KHMP-LD	D18	LD	LIC	LAS VEGAS, NV	BLANK0000010687	143.4
	KMOH-TV	D19	DT	LIC	KINGMAN, AZ	BLCDT20060707ABK	42.4
	KHDF-CD	D19	DC	CP	LAS VEGAS, NV	BLANK0000127535	143.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
10904.9	89,452	8415.6	63,394	8054.2
				63,360
				8052.2
				63,360
				0.02
				0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K18DD-D D18 LD APP	3.0	0	2.0
K17NS-D D17 LD LIC	1.0	0	0.0
K17BN-D D17 LD LIC	6.0	0	1.0
K18CB-D D18 LD LIC	337.6	34	324.6
KPNX D18 DT LIC	5.0	0	3.0
KHMP-LD D18 LD LIC	23.9	0	18.9
KMOH-TV D19 DT LIC	2.0	0	1.0

Interference to BLANK0000153358 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPNX	D18	DT	LIC	MESA, AZ	BLANK0000153358	
Undesireds:	K18DD-D	D18	LD	APP	CAMP VERDE, AZ	01966_02032023_K18DD_9	150.6 km
	KPHO-TV	D17	DT	LIC	PHOENIX, AZ	BLANK0000150149	0.2
	KFTU-CD	D18	DC	LIC	TUCSON, AZ	BLDTA20120110ADO	162.0
	KTTU	D19	DT	LIC	TUCSON, AZ	BLCDT20030926ANZ	162.1
	XHMEX	D18	DT	LIC	MEXICALI, BN	BLANKBPFS20160302ABR	329.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
38867.6	4,180,951	31660.6	4,175,199	29684.0
				4,111,468
				28713.9
				4,107,602
				3.27
				0.09

Undesired				Total IX	Unique IX, before	Unique IX, after
K18DD-D D18 LD APP	1260.2			4,204		970.1 3,866
KPHO-TV D17 DT LIC	141.0			367	112.1 351	110.1 351
KFTU-CD D18 DC LIC	1733.7			62,583	1676.8 61,775	1450.6 61,439
KTTU D19 DT LIC	25.0			792	2.0 0	2.0 0
XHMEX D18 DT LIC	134.8			797	128.8 797	77.9 795

Interference to BLANK0000179589 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K19FD-D	D19	LD	LIC	CAMP VERDE, AZ	BLANK0000179589	
Undesireds:	K18DD-D	D18	LD	APP	CAMP VERDE, AZ	01966_02032023_K18DD_9	32.9 km
	K19IP-D	D19	LD	LIC	FLAGSTAFF, AZ	BLDTL20140528AHZ	89.0
	KGRX-LD	D19	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000185851	127.7
	K19KV-D	D19	LD	LIC	PRESCOTT, AZ	BLANK0000063234	60.6
	KTTU	D19	DT	LIC	TUCSON, AZ	BLCDT20030926ANZ	252.4
	K19CX-D	D19	LD	LIC	YUMA, AZ	BLANK0000152722	303.2
	KHDF-CD	D19	DC	CP	LAS VEGAS, NV	BLANK0000127535	331.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2997.0 67,550	2761.1 60,251	2429.7 60,110	2408.5 60,110	0.87 0.00

Undesired				Total IX	Unique IX, before	Unique IX, after
K18DD-D D18 LD APP	39.2			0		21.1 0
K19IP-D D19 LD LIC	170.8			6	130.6 6	115.5 6
KGRX-LD D19 LD LIC	41.2			104	25.1 104	25.1 104
K19KV-D D19 LD LIC	169.7			31	123.5 31	123.5 31
KTTU D19 DT LIC	13.0			0	1.0 0	1.0 0

Interference to BLANK0000063234 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K19KV-D	D19	LD	LIC	PRESCOTT, AZ	BLANK0000063234	
Undesireds:	K18DD-D	D18	LD	APP	CAMP VERDE, AZ	01966_02032023_K18DD_9	44.0 km
	K19FD-D	D19	LD	LIC	CAMP VERDE, AZ	BLANK0000179589	60.6
	K19IP-D	D19	LD	LIC	FLAGSTAFF, AZ	BLDTL20140528AHZ	118.6
	KGRX-LD	D19	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000185851	135.7
	KGRF-LD	D19	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001685	127.0
	KTTU	D19	DT	LIC	TUCSON, AZ	BLCDT20030926ANZ	285.7
	K19CX-D	D19	LD	LIC	YUMA, AZ	BLANK0000152722	262.0
	KHDF-CD	D19	DC	CP	LAS VEGAS, NV	BLANK0000127535	280.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2890.4 125,619	2134.2 100,105	2022.8 95,296	2021.8 95,296	0.05 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K18DD-D D18 LD APP	1.0 0		1.0 0
K19FD-D D19 LD LIC	31.1 3,820	20.1 3,379	20.1 3,379
K19IP-D D19 LD LIC	36.1 1,190	28.1 902	28.1 902
KGRX-LD D19 LD LIC	51.2 162	46.2 9	46.2 9
KGRF-LD D19 LD LIC	1.0 0	0.0 0	0.0 0
KTTU D19 DT LIC	5.0 78	4.0 78	4.0 78

Interference to BLANK0000063234 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K19KV-D	D19	LD	LIC	PRESCOTT, AZ	BLANK0000063234	

Undesireds:	K18DD-D	D18	LD	APP	CAMP VERDE, AZ	01966_02032023_K18DD_9	44.0 km
	K19FD-D	N19+	TX	LIC	CAMP VERDE, AZ	BLTTL20050506ACT	60.7
	K19IP-D	D19	LD	LIC	FLAGSTAFF, AZ	BLDTL20140528AHZ	118.6
	KGRX-LD	D19	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000185851	135.7
	KGRF-LD	D19	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000001685	127.0
	KTTU	D19	DT	LIC	TUCSON, AZ	BLCDT20030926ANZ	285.7
	K19CX-D	D19	LD	LIC	YUMA, AZ	BLANK0000152722	262.0
	KHDF-CD	D19	DC	CP	LAS VEGAS, NV	BLANK0000127535	280.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2890.4 125,619	2134.2 100,105	2032.8 97,967	2031.8 97,967	0.05 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K18DD-D D18 LD APP	1.0 0		1.0 0
K19FD-D N19+ TX LIC	15.1 1,017	10.0 708	10.0 708
K19IP-D D19 LD LIC	36.1 1,190	33.1 1,034	33.1 1,034
KGRX-LD D19 LD LIC	51.2 162	47.2 9	47.2 9
KGRF-LD D19 LD LIC	1.0 0	0.0 0	0.0 0
KTTU D19 DT LIC	5.0 78	4.0 78	4.0 78

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K18DD-D	D18	LD	APP	CAMP VERDE, AZ	01966_02032023_K18DD_9	

Undesireds:	K17MO-D	D17	LD	LIC	FLAGSTAFF, AZ	BLANK0000062883	77.6 km
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KPHO-TV	D17	DT	LIC	PHOENIX, AZ	BLANK0000150149	150.5
K18NN-D	D18	LD	LIC	GLOBE, AZ	BLANK0000093859	195.5
K18LZ-D	D18	LD	LIC	KINGMAN, AZ	BLANK0000071715	168.7
KPNX	D18	DT	LIC	MESA, AZ	BLANK0000153358	150.6
KFTU-CD	D18	DC	LIC	TUCSON, AZ	BLDTA20120110ADO	284.0
K19FD-D	D19	LD	LIC	CAMP VERDE, AZ	BLANK0000179589	32.9
K19IP-D	D19	LD	LIC	FLAGSTAFF, AZ	BLDTL20140528AHZ	77.0

Service area	Terrain-limited	IX-free	Percent IX
15431.6 285,951	12400.0 223,031	11844.6 219,443	4.48 1.61

Undesired	Total IX	Unique IX	Prcnt Unique IX
K17MO-D D17 LD LIC 1.0 0 0.0 0 0.00 0.00			
KPHO-TV D17 DT LIC 2.0 0 0.0 0 0.00 0.00			
K18NN-D D18 LD LIC 5.0 0 3.0 0 0.02 0.00			
K18LZ-D D18 LD LIC 10.0 9 4.0 7 0.03 0.00			
KPNX D18 DT LIC 536.4 3,580 520.4 3,578 4.20 1.60			
KFTU-CD D18 DC LIC 2.0 0 0.0 0 0.00 0.00			
K19FD-D D19 LD LIC 19.0 3 11.0 1 0.09 0.00			
K19IP-D D19 LD LIC 2.0 0 0.0 0 0.00 0.00			

Interference to proposal scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K18DD-D	D18	LD	APP	CAMP VERDE, AZ	01966_02032023_K18DD_9	
Undesireds:	K17MO-D	D17	LD	LIC	FLAGSTAFF, AZ	BLANK0000062883	77.6 km
	KPHO-TV	D17	DT	LIC	PHOENIX, AZ	BLANK0000150149	150.5
	K18NN-D	D18	LD	LIC	GLOBE, AZ	BLANK0000093859	195.5
	K18LZ-D	D18	LD	LIC	KINGMAN, AZ	BLANK0000071715	168.7
	KPNX	D18	DT	LIC	MESA, AZ	BLANK0000153358	150.6
	KFTU-CD	D18	DC	LIC	TUCSON, AZ	BLDTA20120110ADO	284.0
	K19IP-D	D19	LD	LIC	FLAGSTAFF, AZ	BLDTL20140528AHZ	77.0

Service area	Terrain-limited	IX-free	Percent IX
15431.6 285,951	12400.0 223,031	11855.6 219,444	4.39 1.61

Undesired	Total IX	Unique IX	Prcnt Unique IX
K17MO-D D17 LD LIC 1.0 0 0.0 0 0.00 0.00			
KPHO-TV D17 DT LIC 2.0 0 0.0 0 0.00 0.00			
K18NN-D D18 LD LIC 5.0 0 3.0 0 0.02 0.00			
K18LZ-D D18 LD LIC 10.0 9 5.0 7 0.04 0.00			
KPNX D18 DT LIC 536.4 3,580 525.3 3,578 4.24 1.60			
KFTU-CD D18 DC LIC 2.0 0 0.0 0 0.00 0.00			

K19IP-D D19 LD LIC	2.0	0	0.0	0	0.00	0.00
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