

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: GoldenValley34d3kwincEltiat90FA1, Model: Longley-Rice

Start: 2022.05.06 09:25:17

Study created: 2022.05.06 09:25:17

Study build station data: LMS TV 2022-05-06

Proposal: K34QY-D D34 LD CP GOLDEN VALLEY, AZ

Facility ID: 186640

Station data: User record

Record ID: 2059

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	K33NZ-D	D33	LD	LIC	COTTONWOOD, AZ	BLANK0000063233	204.1 km
No	K33OD-D	D33	LD	LIC	KINGMAN, AZ	BLANK0000071729	39.9
No	K33OK-D	D33	LD	LIC	OVERTON, NV	BLANK00000137698	152.6
No	K33MJ-D	D33	LD	LIC	PAHRUMP, NV	BLANK0000063611	135.8
No	K34PE-D	D34	LD	LIC	DOLAN SPRINGS, AZ	BLANK0000071730	29.0
No	KUVE-DT	D34	DT	LIC	GREEN VALLEY, AZ	BLANK0000063897	457.8
Yes	K34EF-D	D34	LD	LIC	KINGMAN, AZ	BLDTT20130308ABG	39.9
No	K34PG-D	D34	LD	LIC	PAYSON, AZ	BLANK0000064238	299.4
No	KVPA-LD	D34	LD	LIC	PHOENIX, AZ	BLANK0000072027	297.4
No	K34EE-D	D34	LD	LIC	PRESCOTT-COTTONWOOD, AZ	BLDTT20120521ACZ	204.2
No	KCBT-LD	D34	LD	LIC	BAKERSFIELD, CA	BLDTL20100604AFY	410.3
No	KMEX-DT	D34	DT	CP	LOS ANGELES, CA	BLANK0000035668	372.6
No	KMEX-DT	D34	DT	LIC	LOS ANGELES, CA	BLCDT20121203ASI	372.6
No	K34EU-D	N34-	TX	LIC	MORONGO VALLEY, CA	BLTTL19970721JR	255.5
No	K34EU-D	D34	LD	LIC	MORONGO VALLEY, CA	BLANK00000136623	255.5
No	K34LI-D	D34	LD	LIC	JEAN, NV	BLDTT20101228ABS	131.2
No	K34ME-D	D34	LD	LIC	OVERTON, NV	BLANK00000137701	152.6
No	K34QJ-D	D34	LD	LIC	PANACA, NV	BLANK0000078477	237.7
No	K34FO-D	D34	LD	LIC	ALTON, UT	BLDTT20090213ADG	271.9
No	K38JS-D	D34	LD	LIC	ANTIMONY, UT	BLANK0000072664	371.0
No	K34CX-D	D34	LD	LIC	APPLE VALLEY, UT	BLANK0000011000	220.4

No	K34OQ-D	D34	LD	LIC	BEAVER ETC., UT	BLANK0000091251	373.6
No	K34OU-D	D34	LD	LIC	BERYL, MODENA ETC., UT	BLANK0000091042	266.7
No	K34IY-D	D34	LD	LIC	BOULDER, UT	BLDTT20090407ABX	378.6
No	K34NY-D	D34	LD	LIC	ESCALANTE, UT	BLANK0000075949	359.1
No	K16IL-D	D34	LD	LIC	KANAB, UT	BLANK0000060010	244.7
No	K34AG-D	D34	LD	LIC	PAROWAN, ENOCH, ETC., UT	BLDTT20090728ACB	299.8
No	K34OT-D	D34	LD	LIC	TOQUERVILLE & LEEDS, UT	BLANK0000132295	232.9
No	K34OD-D	D34	LD	LIC	TROPIC, ETC., UT	BLANK0000074874	325.9
No	K34OV-D	D34	LD	LIC	WASHINGTON, ETC., UT	BLANK0000063181	204.5
No	K35EI-D	D35	LD	LIC	DOLAN SPRINGS, AZ	BLDTT20130308AAY	29.0
No	K35MX-D	D35	LD	LIC	KINGMAN, AZ	BLANK0000071731	39.9
No	KVTE-LD	D35	LD	APP	LAS VEGAS, NV	BLANK0000062902	101.0
No	KVTE-LD	D35	LD	LIC	LAS VEGAS, NV	BLDTL20140611ADE	128.8
No	KVTE-LD	N35z	TX	LIC	LAS VEGAS, NV	BLTTL20040811AAP	100.9
No	KNTL-LD	D35z	LD	LIC	LAUGHLIN, NV	BLANK0000093205	48.8
No	KKAX-LD	N36	TX	LIC	HILLTOP, AZ	BLTTL20030722AAR	39.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34
Mask: Full Service
Latitude: 35 20 6.00 N (NAD83)
Longitude: 114 12 56.00 W
Height AMSL: 1042.2 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 90.0 deg
Elev Pattn: Generic

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	-229.0 m	3.9 km
45.0	0.643	-454.4	15.3
90.0	3.00	-272.2	22.3
135.0	0.605	-143.4	15.1
180.0	0.002	145.1	8.3
225.0	0.023	116.1	12.9

270.0	0.008	-82.2	5.1
315.0	0.016	22.9	6.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -112 m

Distance to Canadian border: 1518.8 km

Distance to Mexican border: 294.5 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 133.9 degrees Distance: 600.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 53.3 degrees Distance: 949.7 km

Study cell size: 1.00 km
Profile point spacing: 0.10 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 BLDTT20130308ABG LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K34EF-D	D34	LD	LIC	KINGMAN, AZ	BLDTT20130308ABG	
Undesireds:	K34QY-D	D34	LD	CP	GOLDEN VALLEY, AZ		39.9 km
	K34PE-D	D34	LD	LIC	DOLAN SPRINGS, AZ	BLANK0000071730	65.0
	K34EU-D	N34-	TX	LIC	MORONGO VALLEY, CA	BLTTL19970721JR	266.8
	K35EI-D	D35	LD	LIC	DOLAN SPRINGS, AZ	BLDTT20130308AAY	65.0
	KVTE-LD	D35	LD	APP	LAS VEGAS, NV	BLANK0000062902	140.8

IX	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New
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9946.5	82,898	7909.3	63,174	7869.5	63,144	7819.8	62,984	0.63
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0.25

Undesired		Total IX	Unique IX, before	Unique IX, after
K34QY-D D34 LD CP	49.8	160		49.8 160
K34PE-D D34 LD LIC	39.8	30	38.8 30	38.8 30
K35EI-D D35 LD LIC	1.0	0	0.0 0	0.0 0

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Interference to proposal scenario 1
41.23% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K34QY-D	D34	LD	CP	GOLDEN VALLEY, AZ		
Undesireds:	K34EF-D	D34	LD	LIC	KINGMAN, AZ	BLDTT20130308ABG	39.9 km
	K34EU-D	N34-	TX	LIC	MORONGO VALLEY, CA	BLTTL19970721JR	255.5
	KVTE-LD	D35	LD	APP	LAS VEGAS, NV	BLANK0000062902	101.0

Service area	Terrain-limited	IX-free	Percent IX
524.7 11,635	408.2 5,668	286.7 3,331	29.77 41.23

Undesired	Total IX	Unique IX	Prcnt Unique IX
K34EF-D D34 LD LIC	121.5 2,337	121.5 2,337	29.77 41.23