

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: KQDF_CP_15kW_W_175_BT_Pre, Model: Longley-Rice

Start: 2019.01.08 17:11:16

Study created: 2019.01.08 17:11:15

Study build station data: LMS TV 2019-01-01

Proposal: KQDF-LP D25 LD APP ALBUQUERQUE, NM

File number: KQDF_CP_15kW_W_175_BT

Facility ID: 32283

Station data: User record

Record ID: 560

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Protect baseline records from LPTV

Search options:

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KNAT-TV	D24	DT	LIC	ALBUQUERQUE, NM	BLCDT20130710AAN	0.1 km
No	K43IA	D24	LD	CP	TAOS, NM	BLANK0000029881	154.9
No	K25LT-D	D25	LD	LIC	CORTEZ, CO	BLDTT20110331AFB	281.3
No	K25GE-D	D25	LD	LIC	DURANGO, CO	BLDTT20111104ALO	266.2

No	KOAA-TV	D25	DT CP	PUEBLO, CO	BLANK0000030611	417.1
No	KVSN-DT	D25	DT BL	PUEBLO, CO	DTVBL166331	417.1
No	K25PT-D	D25	LD LIC	SARGENTS, CO	BLANK0000063157	365.1
No	K46BY-D	D25	LD CP	CAPULIN, ETC., NM	BLANK0000053997	284.7
No	KTEL-TV	D25	DT LIC	CARLSBAD, NM	BLCDT20081125ADK	372.8
Yes	K25HJ-D	D25	LD LIC	HORNSBY RANCH, ETC., NM	BLANK0000024579	212.2
No	K25HJ-D	N25z	TX LIC	HORNSBY RANCH, ETC., NM	BLTT20031107AEV	212.2
No	K25FI-D	D25	LD LIC	MORA, NM	BLDTT20120301AEN	129.3
No	K25DI-D	D25	LD LIC	SILVER CITY, NM	BLANK0000008398	310.6
No	K25DI-D	N25	TX LIC	SILVER CITY, NM	BLTT19910325JS	310.6
No	K38AU-D	D25	LD APP	TOHATCHI, NM	BLANK0000053890	223.9
Yes	K25LJ-D	D25	LD LIC	TRES PIEDRAS, NM	BLDTT20130613AAG	187.0
Yes	K25HV-D	D25	LD LIC	TRUTH OR CONSEQUENCE, NM	BLDTT20110603ABN	242.2
No	KINT-TV	D25	DT LIC	EL PASO, TX	BLCDT20061117ABX	379.9
No	KTTZ-TV	D25	DT LIC	LUBBOCK, TX	BLANK0000063358	455.8
No	KOB	D26	DT LIC	ALBUQUERQUE, NM	BLCDT20051003BQP	0.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25

Mask: Full Service

Latitude: 35 12 49.80 N (NAD83)

Longitude: 106 27 3.30 W

Height AMSL: 3277.7 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: ERI W 175.0 deg

Elev Pattn: ERI ALP 4-Bay

Tilts: elec 1.75, mech 0.75 @ 230.0 deg

49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.876 kW	1208.4 m	60.5 km
45.0	5.17	1248.4	74.6
90.0	12.9	1123.5	79.6
135.0	12.7	922.6	75.0
180.0	14.7	1018.9	78.3
225.0	13.7	1522.9	86.2
270.0	11.6	1593.7	85.0
315.0	3.81	1490.9	74.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 1266 m

Distance to Canadian border: 1532.3 km

Distance to Mexican border: 381.3 km

Conditions at FCC monitoring station: Douglas AZ

Bearing: 216.7 degrees Distance: 508.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 10.6 degrees Distance: 555.2 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%

Interference to BLANK0000024579 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K25HJ-D	D25	LD LIC	HORNSBY RANCH, ETC., NM	BLANK0000024579	
Undesireds:	KQDF-LP	N25+	TX LIC	ALBUQUERQUE, NM	BLTTL20020924AAC	241.0 km
	KQDF-LP	D25	LD APP	ALBUQUERQUE, NM	KQDF_CP_15kW_W_175_BT	212.2
	K40DK-D	D24	LD CP	TUCUMCARI, NM	BLANK0000053143	42.9
	KTTZ-TV	D25	DT LIC	LUBBOCK, TX	BLANK0000063358	258.4
	K46BU-D	D26	LD CP	TUCUMCARI, NM	BLANK0000053141	42.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3092.9	136	2132.2	95 2124.2	95 2113.2 94 0.52 1.05

Undesired	Total IX	Unique IX, before	Unique IX, after
KQDF-LP N25+ TX LIC	0.0	0 0.0	0
KQDF-LP D25 LD APP	11.0	1 11.0	1
K40DK-D D24 LD CP	5.0	0 0.0	0 0.0

KTTZ-TV D25 DT LIC	4.0	0	3.0	0	3.0	0
K46BU-D D26 LD CP	5.0	0	0.0	0	0.0	0

Interference to BLDTT20130613AAG LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: K25LJ-D D25 LD LIC TRES PIEDRAS, NM BLDTT20130613AAG						
Undesireds: KQDF-LP N25+ TX LIC ALBUQUERQUE, NM BLTTL20020924AAC 210.6 km						
KQDF-LP	D25	LD	APP	ALBUQUERQUE, NM	KQDF_CP_15kW_W_175_BT	187.0
K24IY-D	D24	LD	CP	RATON, NM	BLANK0000063437	144.2
K43IA	D24	LD	CP	TAOS, NM	BLANK0000029881	66.6
K25FZ	D25	LD	CP	GRAND JUNCTION, CO	BDFCDTT20100524AAC	342.4
K25HJ-D	D25	LD	LIC	HORNSBY RANCH, ETC., NM	BLANK0000024579	268.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
6308.5	10,261	5598.2	7,910	5593.2
		7,910	5554.0	7,806
		0.70	1.31	

Undesired	Total IX	Unique IX, before	Unique IX, after
KQDF-LP N25+ TX LIC	0.0	0	0.0
KQDF-LP D25 LD APP	40.2	104	39.2
K43IA D24 LD CP	5.0	0	5.0
		0	4.0
			0

Interference to BLDTT20110603ABN LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: K25HV-D D25 LD LIC TRUTH OR CONSEQUENCE, NM BLDTT20110603ABN						

Undesireds: KQDF-LP N25+ TX LIC ALBUQUERQUE, NM BLTTL20020924AAC 218.5 km

KQDF-LP D25 LD APP ALBUQUERQUE, NM KQDF_CP_15kW_W_175_BT 242.2

K25DI-D D25 LD LIC SILVER CITY, NM BLANK0000008398 95.0

KINT-TV D25 DT LIC EL PASO, TX BLCDT20061117ABX 167.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
856.9	10,097	756.3	9,980	755.3
		9,980	754.3	9,980
			0.13	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KQDF-LP N25+ TX LIC	0.0	0	0.0
KQDF-LP D25 LD APP	1.0	0	1.0
KINT-TV D25 DT LIC	1.0	0	1.0

Interference to proposal scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQDF-LP	D25	LD APP	ALBUQUERQUE, NM	KQDF_CP_15kW_W_175_BT	

Undesireds: KNAT-TV D24 DT LIC ALBUQUERQUE, NM BLCDT20130710AAN 0.1 km

K25HJ-D D25 LD LIC HORNSBY RANCH, ETC., NM BLANK0000024579 212.2

K25DI-D D25 LD LIC SILVER CITY, NM BLANK0000008398 310.6

K25LJ-D D25 LD LIC TRES PIEDRAS, NM BLDTT20130613AAG 187.0

KOB D26 DT LIC ALBUQUERQUE, NM BLCDT20051003BQP 0.2

Service area	Terrain-limited	IX-free	Percent IX
18635.0	1,007,504	17492.6	1,003,663
		17264.8	1,003,545
		1.30	0.01

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KNAT-TV D24 DT LIC	46.0	85	32.1	43	0.18	0.00
K25LJ-D D25 LD LIC	5.0	0	2.0	0	0.01	0.00
KOB D26 DT LIC	193.7	75	177.8	33	1.02	0.00