tvstudy v2.2.2
Database: localhost, Study: KVHP 300KW (371), Model: Longley-Rice
Start: 2017.05.30 15:30:42

Study created: 2017.05.30 15:30:36

Study build station data: LMS TV 2017-05-22 (9)

    Proposal: KVHP D18 DT LIC LAKE CHARLES, LA
 File number: KVHP 300KW
 Facility ID: 35852
Station data: User record
   Record ID: 327
     Country: U.S.
        Zone: III

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
KAJN-CD	D17	DC	BL	LAFAYETTE, LA	DTVBL21149	154.2 km
KMYA-DT	D18	DT	BL	CAMDEN, AR	DTVBL86534	341.3
WMAU-TV	D18	DT	LIC	BUDE, MS	BLEDT20090327ABW	295.3
KTXA	D18	DT	BL	FORT WORTH, TX	DTVBL51517	406.9
KARD	D19	DT	BL	WEST MONROE, LA	DTVBL3658	240.7
KTXH	D19	DT	LIC	HOUSTON, TX	BLCDT20090804ABC	203.1

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
   Latitude: 30 17 27.00 N (NAD83)
  Longitude: 93 34 36.00 W
Height AMSL: 400.8 m
       HAAT: 393.0 m
   Peak ERP: 300 kW
    Antenna: DIE-TFU-22JTH/VP-R-6T220 0.0 deg

39.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	300 kW	384.3 m	97.8 km
45.0	41.1	391.0	83.6
90.0	115	394.5	91.1
135.0	232	395.7	96.5
180.0	21.9	396.3	79.7
225.0	232	396.1	96.5
270.0	115	394.1	91.0
315.0	41.1	391.1	83.6

Proposal service area is within baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1592.8 km

Distance to Mexican border: 581.1 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 234.0 degrees   Distance: 525.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 319.2 degrees   Distance: 1518.0 km

No land mobile station failures found

Study cell size: 2.00 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 DTVBL21149 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL86534 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KMYA-DT	D18	DT	BL	CAMDEN, AR	DTVBL86534	
Undesireds:	KVHP	D18	DT	BL	LAKE CHARLES, LA	DTVBL35852	341.3 km
	KVHP	D18	DT	LIC	LAKE CHARLES, LA	KVHP 300KW	341.3
	KLTS-TV	D17	DT	BL	SHREVEPORT, LA	DTVBL38591	131.6
	KFSM-TV	D18	DT	LIC	FORT SMITH, AR	BLCDT20060530AIM	314.0
	KVTJ-DT	D18	DT	BL	JONESBORO, AR	DTVBL2784	327.5
	WMAU-TV	D18	DT	LIC	BUDE, MS	BLEDT20090327ABW	279.5
	KARD	D19	DT	BL	WEST MONROE, LA	DTVBL3658	139.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
20358.3	200,764	20334.3	200,725	20041.2	198,298	20041.2	198,298	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KVHP D18 DT BL	4.0	48	0.0	0		
KVHP D18 DT LIC	0.0	0			0.0	0
KLTS-TV D17 DT BL	76.2	491	68.1	437	72.2	485
KFSM-TV D18 DT LIC	44.2	50	44.2	50	44.2	50
WMAU-TV D18 DT LIC	16.1	139	4.0	0	4.0	0
KARD D19 DT BL	168.6	1,886	160.6	1,753	160.6	1,753

Interference to BLEDT20090327ABW LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMAU-TV	D18	DT	LIC	BUDE, MS	BLEDT20090327ABW	
Undesireds:	KVHP	D18	DT	BL	LAKE CHARLES, LA	DTVBL35852	295.3 km
	KVHP	D18	DT	LIC	LAKE CHARLES, LA	KVHP 300KW	295.3
	KAJN-CD	D17	DC	BL	LAFAYETTE, LA	DTVBL21149	189.3
	WUPL	D17	DT	BL	SLIDELL, LA	DTVBL13938	175.8
	WMPV-TV	D18	DT	BL	MOBILE, AL	DTVBL60827	311.3
	KMYA-DT	D18	DT	BL	CAMDEN, AR	DTVBL86534	279.5
	WDSU	D19	DT	BL	NEW ORLEANS, LA	DTVBL71357	175.4
	KARD	D19	DT	BL	WEST MONROE, LA	DTVBL3658	156.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
32348.6	642,328	32216.7	636,504	31401.5	629,351	31409.5	629,351	-0.03	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KVHP D18 DT BL	27.9	264	19.9	10		
KVHP D18 DT LIC	19.9	264			12.0	10
WMPV-TV D18 DT BL	302.5	3,634	298.5	3,381	298.5	3,381
KMYA-DT D18 DT BL	129.1	2,147	96.9	1,888	96.9	1,888
WDSU D19 DT BL	4.0	253	0.0	0	0.0	0
KARD D19 DT BL	387.8	1,367	363.5	1,362	363.5	1,362

Interference to DTVBL51517 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL3658 BL, scenario 1
Proposal causes no interference.

Interference to BLCDT20090804ABC LIC, scenario 1
Proposal causes no interference.

Interference to BLCDT20090804ABC LIC, scenario 2
Proposal causes no interference.

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVHP	D18	DT	LIC	LAKE CHARLES, LA	KVHP 300KW	
Undesireds:	KAJN-CD	D17	DC	BL	LAFAYETTE, LA	DTVBL21149	154.2 km
	KMYA-DT	D18	DT	BL	CAMDEN, AR	DTVBL86534	341.3
	WMAU-TV	D18	DT	LIC	BUDE, MS	BLEDT20090327ABW	295.3

Service area		Terrain-limited		IX-free	Percent IX

25566.8	740,078	25499.2	739,856	25467.3	739,770	0.12	0.01

Undesired		Total IX		Unique IX		Prcnt Unique IX	
KMYA-DT D18 DT BL	23.9	72	8.0	72	0.03	0.01	
WMAU-TV D18 DT LIC	23.9	14	8.0	14	0.03	0.00	