

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: Yancy CSD at 3 kW, Model: Longley-Rice
Start: 2020.08.25 16:26:31

Study created: 2020.08.25 16:26:31

Study build station data: LMS TV 2020-08-25

Proposal: NEW-YA D8 DC APP Yancy, AR
File number: Proposed
Facility ID: 0
Station data: User record
Record ID: 74
Country: U.S.
Zone: II

Build options:

Protect LPTV records from Class A

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File
Number						
Yes	KETS	D7	DT	LIC	LITTLE ROCK, AR	
	BLEDT20090615ABT		160.4	km		
No	KLTV	D7	DT	LIC	TYLER, TX	
	BLCDDT20090622AAT		196.2			
No	KXMP-LP	D8	LD	CP	HARRISON, AR	
	BLANK0000059274		265.8			
No	KXMP-LP	N8+	TX	LIC	HARRISON, AR	
	BLTVL20090729AB0		265.8			
No	KAIT	D8	DT	APP	JONESBORO, AR	
	BLANK0000035662		346.3			
No	KAIT	D8	DT	LIC	JONESBORO, AR	
	BLCDDT20090803ABV		346.3			
Yes	KN0E-TV	D8	DT	LIC	MONROE, LA	
	BLCDDT20090223ABC		245.2			
No	KJRH-TV	D8	DT	LIC	TULSA, OK	
	BLCDDT20090619ACH		294.9			
Yes	WFAA	D8	DT	LIC	DALLAS, TX	
	BLANK0000116834		326.6			
No	KAFT	D9	DT	LIC	FAYETTEVILLE, AR	
	BLEDT20100308ACN		218.9			
No	KTEQ-LP	N11-	TX	LIC	FULTON, AR	
	BLTVL20071217AA0		26.7			

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D8
Mask: Stringent
Latitude: 33 51 11.00 N (NAD83)
Longitude: 93 48 35.00 W
Height AMSL: 231.0 m
HAAT: 120.0 m
Peak ERP: 3.00 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.50

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	95.4 m	44.9 km
45.0	3.00	107.5	46.9
90.0	3.00	120.8	48.7
135.0	3.00	108.1	47.0
180.0	3.00	111.6	47.5
225.0	3.00	138.1	50.9
270.0	3.00	132.2	50.1
315.0	3.00	113.8	47.8

Database HAAT does not agree with computed HAAT
Database HAAT: 120 m Computed HAAT: 116 m

Distance to Canadian border: 1294.6 km

Distance to Mexican border: 836.4 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 209.7 degrees Distance: 811.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 307.8 degrees Distance: 1228.1 km

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 BLEDT20090615ABT LIC scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	KETS	D7	DT	LIC	LITTLE ROCK, AR
BLEDT20090615ABT					

Undesireds:	NEW-YA	D8	DC	APP	Yancy, AR
Proposed					160.4 km
	KOAM-TV	D7	DT	CP	PITTSBURG, KS
BLANK0000035785					381.7
	KLTV	D7	DT	LIC	TYLER, TX
BLCDDT20090622AAT					349.5
	KAIT	D8	DT	APP	JONESBORO, AR
BLANK0000035662					198.6

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
43727.5	1,186,780	41965.8
41670.0	1,165,868	0.03
		0.00

Undesired	Total IX	Unique IX, before
Unique IX, after		
NEW-YA D8 DC APP	24.7	113
12.9		
KOAM-TV D7 DT CP	39.9	250
39.9		
KLTV D7 DT LIC	243.0	2,272
231.1		
		2,172

Interference to BLEDT20090615ABT LIC scenario 2

File Number	Call	Chan	Svc	Status	City, State
Desired:	KETS	D7	DT	LIC	LITTLE ROCK, AR
BLEDT20090615ABT					

Undesireds:	NEW-YA	D8	DC	APP	Yancy, AR
Proposed					160.4 km
	KLTV	D7	DT	LIC	TYLER, TX
BLCDDT20090622AAT					349.5
	KAIT	D8	DT	APP	JONESBORO, AR
BLANK0000035662					198.6

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
43727.5	1,186,780	41965.8
41710.0	1,166,118	0.03
		0.00

Undesired		Total IX	Unique IX, before
Unique IX, after			
NEW-YA D8 DC APP	24.7	113	
12.9 13			
KLTV D7 DT LIC	243.0	2,272	243.0 2,272
231.1 2,172			

Interference to BLCDT20090223ABC LIC scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	KNOE-TV	D8	DT	LIC	MONROE, LA
BLCDT20090223ABC					

Undesireds:	NEW-YA	D8	DC	APP	Yancy, AR
Proposed					
	WMAB-TV	D8	DT	CP	MISSISSIPPI STATE, MS
BLANK0000026611					

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
43986.8 732,326	43577.3 729,164	43552.1 729,075
43478.0 728,233	0.17 0.12	

Undesired		Total IX	Unique IX, before
Unique IX, after			
NEW-YA D8 DC APP	74.0	842	
74.0 842			
WMAB-TV D8 DT CP	25.2	89	25.2 89
25.2 89			

Interference to BLCDT20090223ABC LIC scenario 2

File Number	Call	Chan	Svc	Status	City, State
Desired:	KNOE-TV	D8	DT	LIC	MONROE, LA
BLCDT20090223ABC					

Undesireds:	NEW-YA	D8	DC	APP	Yancy, AR
Proposed					
	WMAB-TV	D8	DT	BL	MISSISSIPPI STATE, MS
DTVBL43192					

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
43986.8 732,326	43577.3 729,164	43560.1 729,126

43486.1 728,284 0.17 0.12

Undesired		Total IX	Unique IX, before
Unique IX, after			
NEW-YA D8 DC APP	74.0	842	
74.0 842			
WMAB-TV D8 DT BL	17.2	38	17.2 38
17.2 38			

Interference to BLANK0000116834 LIC scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	WFAA	D8	DT	LIC	DALLAS, TX
BLANK0000116834					
Undesireds:	NEW-YA	D8	DC	APP	Yancy, AR
Proposed					
	KLTV	D7	DT	LIC	TYLER, TX
BLCDDT20090622AAT					
	KJRH-TV	D8	DT	LIC	TULSA, OK
BLCDDT20090619ACH					
	KUHT	D8	DT	CP	HOUSTON, TX
BLANK0000063824					
	KFWD	D9	DT	CP	FORT WORTH, TX
BLANK0000035752					
	KCEN-TV	D9	DT	LIC	TEMPLE, TX
BLCDDT20021010AAB					

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
46051.3 6,919,439	45029.7 6,908,776	44191.7 6,792,519
44191.7 6,792,519	0.00 0.00	

Undesired		Total IX	Unique IX, before
Unique IX, after			
NEW-YA D8 DC APP	1.0	0	
0.0 0			
KLTV D7 DT LIC	51.1	2,255	51.1 2,255
50.1 2,255			
KJRH-TV D8 DT LIC	12.9	512	12.9 512
12.9 512			
KUHT D8 DT CP	36.5	1,297	23.3 105
23.3 105			
KFWD D9 DT CP	2.0	502	2.0 502
2.0 502			
KCEN-TV D9 DT LIC	748.7	112,883	735.6 111,691
735.6 111,691			

Interference to BLANK0000116834 LIC scenario 2

File Number	Call	Chan	Svc	Status	City, State
Desired:	WFAA	D8	DT	LIC	DALLAS, TX
BLANK0000116834					
Undesireds:	NEW-YA	D8	DC	APP	Yancy, AR
Proposed					326.6 km
	KLTV	D7	DT	LIC	TYLER, TX
BLCDDT20090622AAT					164.8
	KJRH-TV	D8	DT	LIC	TULSA, OK
BLCDDT20090619ACH					400.1
	KUHT	D8	DT	LIC	HOUSTON, TX
BLEDDT20110718ACN					363.2
	KFWD	D9	DT	CP	FORT WORTH, TX
BLANK0000035752					1.0
	KCEN-TV	D9	DT	LIC	TEMPLE, TX
BLCDDT20021010AAB					147.6

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
46051.3	6,919,439	45029.7
44154.2	6,792,162	0.00
		6,908,776
		44154.2
		6,792,162

Undesired	Total IX	Unique IX, before
Unique IX, after		
NEW-YA D8 DC APP	1.0	0
0.0		
KLTV D7 DT LIC	51.1	2,255
50.1		
2,255		
KJRH-TV D8 DT LIC	12.9	512
12.9		
512		
KUHT D8 DT LIC	86.1	3,661
60.8		
462		
KFWD D9 DT CP	2.0	502
2.0		
502		
KCEN-TV D9 DT LIC	748.7	112,883
723.4		
109,684		

Interference to BLANK0000116834 LIC scenario 3

File Number	Call	Chan	Svc	Status	City, State
Desired:	WFAA	D8	DT	LIC	DALLAS, TX

BLANK0000116834

Undesireds:	NEW-YA	D8	DC	APP	Yancy, AR
Proposed				326.6 km	
	KLTV	D7	DT	LIC	TYLER, TX
BLCDDT20090622AAT				164.8	
	KJRH-TV	D8	DT	LIC	TULSA, OK
BLCDDT20090619ACH				400.1	
	KUHT	D8	DT	CP	HOUSTON, TX
BLANK0000063824				363.0	
	KFWD	D9	DT	LIC	FORT WORTH, TX
BLCDDT20090724AAB				1.0	
	KCEN-TV	D9	DT	LIC	TEMPLE, TX
BLCDDT20021010AAB				147.6	

Service area		Terrain-limited		IX-free, before	
IX-free, after	Percent New IX				
46051.3	6,919,439	45029.7	6,908,776	44192.7	6,792,875
44192.7	6,792,875	0.00	0.00		

Undesired		Total IX		Unique IX, before	
Unique IX, after					
NEW-YA D8 DC APP	1.0	0			
0.0	0				
KLTV D7 DT LIC	51.1	2,255	51.1	2,255	
50.1	2,255				
KJRH-TV D8 DT LIC	12.9	512	12.9	512	
12.9	512				
KUHT D8 DT CP	36.5	1,297	23.3	105	
23.3	105				
KFWD D9 DT LIC	1.0	146	1.0	146	
1.0	146				
KCEN-TV D9 DT LIC	748.7	112,883	735.6	111,691	
735.6	111,691				

Interference to BLANK0000116834 LIC scenario 4

File Number	Call	Chan	Svc	Status	City, State
Desired:	WFAA	D8	DT	LIC	DALLAS, TX
BLANK0000116834					
Undesireds:	NEW-YA	D8	DC	APP	Yancy, AR
Proposed				326.6 km	
	KLTV	D7	DT	LIC	TYLER, TX
BLCDDT20090622AAT				164.8	
	KJRH-TV	D8	DT	LIC	TULSA, OK
BLCDDT20090619ACH				400.1	

BLEDT20110718ACN	KUHT	D8	DT	LIC	HOUSTON, TX
		363.2			
BLCDDT20090724AAB	KFWD	D9	DT	LIC	FORT WORTH, TX
		1.0			
BLCDDT20021010AAB	KCEN-TV	D9	DT	LIC	TEMPLE, TX
		147.6			

IX-free, after	Service area	Percent	Terrain-limited	IX-free, before
		New IX		
46051.3	6,919,439	45029.7	6,908,776	44155.2
44155.2	6,792,518	0.00	0.00	6,792,518

Undesired	Total IX	Unique IX, before
Unique IX, after		
NEW-YA D8 DC APP	1.0	0
0.0		
KLTV D7 DT LIC	51.1	2,255
50.1		2,255
KJRH-TV D8 DT LIC	12.9	512
12.9		512
KUHT D8 DT LIC	86.1	3,661
60.8		462
KFWD D9 DT LIC	1.0	146
1.0		146
KCEN-TV D9 DT LIC	748.7	112,883
723.4		109,684

Interference to proposal scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	NEW-YA	D8	DC	APP	Yancy, AR
Proposed					
Undesireds:	KAIT	D8	DT	APP	JONESBORO, AR
BLANK0000035662		346.3	km		
	KNOE-TV	D8	DT	LIC	MONROE, LA
BLCDDT20090223ABC		245.2			

Percent IX	Service area	Terrain-limited	IX-free
7250.2	88,940	7126.2	88,459
0.06	0.00		

Undesired	Total IX	Unique IX
Prcnt Unique IX		
KNOE-TV D8 DT LIC	4.0	0
0.06		0

