

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: FC - 17.5 kW - Stringent - LPTV, Model:
Longley-Rice

Start: 2020.08.11 16:33:58

Study created: 2020.08.11 16:33:58

Study build station data: LMS TV 2020-08-11

Proposal: NEW-FC D10 LD APP Forest City, AR
File number: Proposed
Facility ID: 0
Station data: User record
Record ID: 59
Country: U.S.
Zone: II

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File
Number						
No	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	
	BLANK0000117125		190.2	km		
No	WHCQ-LD	D9	LD	LIC	CLEVELAND, MS	
	BLANK0000022376		147.1			
No	WBIQ	D10	DT	LIC	BIRMINGHAM, AL	
	BLEDT20140612ABA		404.6			
Yes	KETZ	D10	DT	LIC	EL DORADO, AR	
	BLEDT20090615ABU		256.1			
No	K10KM-D	D10	LD	LIC	CAPE GIRARDEAU, MO	
	BLDTV20091014ABS		280.9			
Yes	KOLR	D10	DT	LIC	SPRINGFIELD, MO	
	BLCDDT20090810ACN		309.7			
Yes	WMAB-TV	D10	DT	LIC	MISSISSIPPI STATE, MS	
	BLEDT20090612AAH		241.0			
No	KTUL	D10	DT	CP	TULSA, OK	
	BLANK0000035654		448.9			
No	KTUL	D10	DT	LIC	TULSA, OK	
	BLCDDT20100505AGI		448.9			
Yes	WSMV-TV	D10	DT	LIC	NASHVILLE, TN	
	BLCDDT20021029AAV		374.4			
No	WTVA	D11	DT	LIC	TUPELO, MS	
	BLANK0000117299		208.9			
No	WEBU-LP	N11+	TX	LIC	WEBB, MS	
	BLTVL19880822IF		129.3			

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D10
Mask: Stringent
Latitude: 35 2 57.00 N (NAD83)
Longitude: 90 47 4.00 W
Height AMSL: 213.0 m
HAAT: 139.8 m
Peak ERP: 17.5 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.50

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	17.5 kW	121.8 m	61.0 km
45.0	17.5	122.3	61.0
90.0	17.5	144.7	64.1
135.0	17.5	146.1	64.3
180.0	17.5	137.9	63.1
225.0	17.5	148.8	64.6
270.0	17.5	149.6	64.7
315.0	17.5	145.1	64.1

Distance to Canadian border: 1011.4 km

Distance to Mexican border: 1140.9 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 101.6 degrees Distance: 570.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 298.2 degrees Distance: 1389.0 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 BLEDT20090615ABU LIC scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	KETZ	D10	DT	LIC	EL DORADO, AR
BLEDT20090615ABU					
Undesireds:	NEW-FC	D10	LD	APP	Forest City, AR
Proposed				256.1 km	
	KLFY-TV	D10	DT	LIC	LAFAYETTE, LA
				306.4	
	KMLU	D11	DT	LIC	COLUMBIA, LA
				99.0	

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
36854.9	526,753	36389.1
34039.7	510,505	0.93
		0.34

Undesired	Total IX	Unique IX, before
Unique IX, after		
NEW-FC D10 LD APP	320.0	1,722
320.0	1,722	
KLFY-TV D10 DT LIC	281.7	1,339
147.7	550	147.7
KMLU D11 DT LIC	1881.6	10,567
1747.6	9,778	1747.6
		9,778

Interference to BLCDT20090810ACN LIC scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	KOLR	D10	DT	LIC	SPRINGFIELD, MO
BLCDT20090810ACN					
Undesireds:	NEW-FC	D10	LD	APP	Forest City, AR
Proposed				309.7 km	
	KAFT	D9	DT	LIC	FAYETTEVILLE, AR
				183.5	
	WGEM-TV	D10	DT	LIC	QUINCY, IL
				334.6	
	KAKE	D10	DT	LIC	WICHITA, KS
				407.7	
	KTUL	D10	DT	CP	TULSA, OK
				275.5	

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
47392.6	1,076,536	45699.8
		1,047,094
		44907.1
		1,031,385

44773.7 1,027,974 0.30 0.33

Undesired			Total IX	Unique IX, before	
Unique IX, after					
NEW-FC D10 LD APP	148.6		3,676		
133.4 3,411					
KAFT D9 DT LIC	22.1		355	13.1	284
13.1 284					
WGEM-TV D10 DT LIC	200.8		3,990	199.8	3,990
198.7 3,990					
KAKE D10 DT LIC	24.9		801	1.0	0
1.0 0					
KTUL D10 DT CP	578.8		11,435	544.8	10,563
530.7 10,298					

Interference to BLCDT20090810ACN LIC scenario 2

Call	Chan	Svc	Status	City, State
File Number	Distance			
Desired: KOLR	D10 DT LIC			SPRINGFIELD, MO
BLCDT20090810ACN				
Undesireds: NEW-FC	D10 LD APP			Forest City, AR
Proposed	309.7 km			
KAFT	D9 DT LIC			FAYETTEVILLE, AR
BLEDT20100308ACN	183.5			
WGEM-TV	D10 DT LIC			QUINCY, IL
BLANK0000105998	334.6			
KAKE	D10 DT LIC			WICHITA, KS
BLCDT20090410ABG	407.7			
KTUL	D10 DT LIC			TULSA, OK
BLCDT20100505AGI	275.5			

Service area	Terrain-limited	IX-free, before	
IX-free, after	Percent New IX		
47392.6 1,076,536	45699.8	1,047,094	45143.2 1,035,776
45001.7 1,032,264	0.31	0.34	

Undesired			Total IX	Unique IX, before	
Unique IX, after					
NEW-FC D10 LD APP	148.6		3,676		
141.5 3,512					
KAFT D9 DT LIC	22.1		355	13.1	284
13.1 284					
WGEM-TV D10 DT LIC	200.8		3,990	200.8	3,990
199.8 3,990					
KAKE D10 DT LIC	24.9		801	1.0	0
1.0 0					

KTUL D10 DT LIC	341.8	7,044	308.8	6,172
302.7 6,008				

Interference to BLEDT20090612AAH LIC scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	WMAB-TV	D10	DT	LIC	MISSISSIPPI STATE, MS
BLEDT20090612AAH					
Undesireds:	NEW-FC	D10	LD	APP	Forest City, AR
Proposed					241.0 km
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS
BLANK0000117125					150.5
	WBIQ	D10	DT	LIC	BIRMINGHAM, AL
BLEDT20140612ABA					217.8
	WDIQ	D10	DT	LIC	DOZIER, AL
BLEDT20091006ADJ					326.9
	KETZ	D10	DT	LIC	EL DORADO, AR
BLEDT20090615ABU					287.6
	WSMV-TV	D10	DT	LIC	NASHVILLE, TN
BLCDDT20021029AAV					373.4
	WTOK-TV	D11	DT	LIC	MERIDIAN, MS
BLCDDT20120203AAH					121.9
	WTVA	D11	DT	LIC	TUPELO, MS
BLANK0000117299					49.3

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
27984.4	409,430	27326.8
23361.5	345,593	0.27
		0.23

Undesired	Total IX	Unique IX, before
Unique IX, after		
NEW-FC D10 LD APP	249.1	3,162
62.4 806		
WMAE-TV D9 DT LIC	4.0	82
0.0 0		0.0 0
WBIQ D10 DT LIC	198.4	701
101.7 465		102.7 465
WDIQ D10 DT LIC	112.1	594
29.0 69		29.0 69
KETZ D10 DT LIC	254.0	5,069
169.7 3,277		233.3 4,676
WSMV-TV D10 DT LIC	20.9	141
0.0 0		0.0 0
WTOK-TV D11 DT LIC	404.8	3,627
360.7 3,198		360.7 3,198

WTVA D11 DT LIC	3087.3	49,839	3031.8	49,269
2946.4 48,846				

Interference to BLCDT20021029AAV LIC scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	WSMV-TV	D10	DT	LIC	NASHVILLE, TN
BLCDT20021029AAV					
Undesireds:	NEW-FC	D10	LD	APP	Forest City, AR
Proposed					374.4 km
	WNIN	D9	DT	CP	EVANSVILLE, IN
BLANK0000035682					207.9
	WTVN	D9	DT	LIC	CHATTANOOGA, TN
BLCDT20090914ABU					177.2
	WBIQ	D10	DT	LIC	BIRMINGHAM, AL
BLEDT20140612ABA					295.3
	WXIA-TV	D10	DT	LIC	ATLANTA, GA
BLCDT20040302AA0					351.4
	WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN
BLCDT20090622ACG					347.9
	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN
BLCDT20090619ADG					263.3
	WTZT-CD	D11	DC	CP	ATHENS, AL
BPDVA20130508AIV					158.9
	WETV-CD	D11+	DC	LIC	MURFREESBORO, TN
BLANK0000004987					54.2

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
40332.0 2,448,462	37544.0 2,409,396	36948.4 2,381,514
36936.3 2,381,219	0.03 0.01	

Undesired	Total IX	Unique IX, before
Unique IX, after		
NEW-FC D10 LD APP	12.1	295
12.1 295		
WBIQ D10 DT LIC	48.8	2,027
17.9 1,245		17.9 1,245
WXIA-TV D10 DT LIC	172.9	9,434
73.7 4,368		73.7 4,368
WTHI-TV D10 DT LIC	112.8	1,604
99.8 1,133		99.8 1,133
WBIR-TV D10 DT LIC	393.1	19,373
285.0 13,942		285.0 13,942
WETV-CD D11+ DC LIC	3.0	1,623
3.0 1,623		3.0 1,623

 Interference to BLCDT20021029AAV LIC scenario 2

File Number	Call	Chan	Svc	Status	City, State
Desired:	WSMV-TV	D10	DT	LIC	NASHVILLE, TN
BLCDT20021029AAV					
Undesireds:	NEW-FC	D10	LD	APP	Forest City, AR
Proposed					374.4 km
	WNIN	D9	DT	CP	EVANSVILLE, IN
BLANK0000035682					207.9
	WTVN	D9	DT	LIC	CHATTANOOGA, TN
BLCDT20090914ABU					177.2
	WBIQ	D10	DT	LIC	BIRMINGHAM, AL
BLEDT20140612ABA					295.3
	WXIA-TV	D10	DT	LIC	ATLANTA, GA
BLCDT20040302AA0					351.4
	WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN
BLCDT20090622ACG					347.9
	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN
BLCDT20090619ADG					263.3
	WTZT-CD	D11	DC	LIC	ATHENS, AL
BLDVA20120221ABI					147.5
	WETV-CD	D11+	DC	LIC	MURFREESBORO, TN
BLANK0000004987					54.2

IX-free, after	Service area	Terrain-limited	IX-free, before
40332.0	Percent New IX		
2,448,462	37544.0	2,409,396	36848.7
36836.6	2,379,476	0.03	2,379,771
		0.01	

Undesired	Total IX	Unique IX, before
Unique IX, after		
NEW-FC D10 LD APP	12.1	295
12.1 295		
WBIQ D10 DT LIC	48.8	2,027
11.0 1,121		11.0 1,121
WXIA-TV D10 DT LIC	172.9	9,434
62.8 4,300		62.8 4,300
WTHI-TV D10 DT LIC	112.8	1,604
99.8 1,133		99.8 1,133
WBIR-TV D10 DT LIC	393.1	19,373
281.0 13,856		281.0 13,856
WTZT-CD D11 DC LIC	148.5	2,503
99.7 1,743		99.7 1,743
WETV-CD D11+ DC LIC	3.0	1,623
3.0 1,623		3.0 1,623

Interference to proposal scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	NEW-FC	D10	LD	APP	Forest City, AR
Proposed					

Percent	Service area	Terrain-limited	IX-free
12513.2	184,503	12486.1	183,345
0.00	0.00		