tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WFBI-LD D34 Pre&Post T, Model: Longley-Rice
Start: 2018.05.15 11:57:51

Study created: 2018.05.15 11:57:51

Study build station data: LMS TV 2018-05-14

    Proposal: WFBI-LD D34 LD APP SOUTH EAST MEMPHIS, TN
 File number: WFBI-LD D34 Pre&Post T
 Facility ID: 23844
Station data: User record
   Record ID: 1918
     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	K33MV-D	D33	LD	CP	PARAGOULD, AR	BNPDTL20101019AAP	127.8 km
No	WNBD-LD	D33	LD	LIC	GRENADA, MS	BLDTL20101020ACE	214.7
No	WPXX-TV	D33	DT	CP	MEMPHIS, TN	BLANK0000053807	0.3
No	W30DF-D	D33	LD	CP	OLIVE HILL, TN	BDISDTL20131219GLJ	159.7
No	WBCF-LD	D34	LD	APP	FLORENCE, AL	BLANK0000035562	200.6
No	W46DF-D	D34	LD	APP	HAMILTON, AL	BLANK0000029731	214.6
No	W17DJ-D	D34	DC	CP	HUNTSVILLE, AL	BLANK0000033621	303.7
No	WHVD-LD	D34	LD	LIC	HUNTSVILLE, AL	BLDTL20121213AIM	303.7
No	WBIH	D34	DT	CP	SELMA, AL	BLANK0000027345	404.1
No	KXNW	D34	DT	LIC	EUREKA SPRINGS, AR	BMLCDT20140610AAT	396.0
No	KWMO-LD	D34	LD	CP	HOT SPRINGS, AR	BLANK0000036591	282.5
No	KWMO-LD	D34	LD	LIC	HOT SPRINGS, AR	BLDTL20141201BAO	283.5
Yes	KASN	D34	DT	CP	PINE BLUFF, AR	BLANK0000034796	235.1
No	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	280.3
No	KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLCDT20050705AAB	473.2
No	K34KX-D	D34	LD	LIC	ROLLA, MO	BLDTL20130222ADC	351.0
No	KSPR-LD	D34	LD	APP	SPRINGFIELD, MO	BLANK0000052519	355.2
No	KCNH-LD	D34	LD	APP	Springfield, MO	BLANK0000052633	378.1
No	W42EM-D	D34	LD	APP	St. Louis, MO	BLANK0000051636	387.4
No	W34DV-D	D34	DC	LIC	BOONEVILLE, MS	BLANK0000001528	129.0
No	W34BJ-D	D34	LD	LIC	CALHOUN CITY, MS	BLDTL20120619ACY	138.7
No	W34ER-D	D34	LD	CP	CLARKSDALE, MS	BNPDTL20101019AAH	168.7
No	WRBJ-TV	D34	DT	LIC	MAGEE, MS	BLCDT20110511AGB	344.1
No	WYJJ-LD	D34	LD	APP	JACKSON, TN	BLANK0000052734	101.5
No	W34DB	N34+	TX	LIC	LEWISBURG, TN	BLTTL20050309ABL	275.8
No	WJNK-LD	D34z	LD	LIC	NASHVILLE, TN	BLANK0000025145	296.9
No	WJNK-LD	N34z	TX	LIC	NASHVILLE, TN	BLTTL20050815ADG	296.9
No	K35LN-D	D35	LD	CP	PARAGOULD, AR	BNPDTL20101020AAL	127.8
No	WCBI-TV	D35	DT	LIC	COLUMBUS, MS	BLANK0000021877	183.5
No	WBBJ-TV	D35	DT	CP	JACKSON, TN	BLANK0000027057	112.4
No	WBXP-LD	D35	LD	APP	MEMPHIS, TN	BLANK0000051915	22.6
No	KJNE-LD	N42z	TX	LIC	JONESBORO, AR	BLTT20051020AFT	108.3
No	WJTD-LP	N42z	TX	LIC	JACKSON, TN	BLTTL20070320ANN	105.9

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
WOWW 1430 L DAN D GERMANTOWN, TN BL20040107ANH
WOWW 1430 L DAN N GERMANTOWN, TN BL20040107ANH

Record parameters as studied:

    Channel: D34
       Mask: Full Service
   Latitude: 35 12 34.30 N (NAD83)
  Longitude: 89 49 1.40 W
Height AMSL: 270.4 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: MCI-955318 (ID 20061) 180.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.50

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.002 kW	184.3 m	8.3 km
45.0	0.002	184.0	8.3
90.0	0.002	159.1	7.8

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135.0       3.27      173.3     40.8
180.0       15.0      177.8     48.9
225.0       13.1      186.8     48.7
270.0       15.0      181.8     49.1
315.0       3.27      187.3     41.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 179 m

Distance to Canadian border: 943.4 km

Distance to Mexican border: 1225.5 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 106.3 degrees   Distance: 489.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 296.5 degrees   Distance: 1458.9 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%


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Interference to BLANK0000034796 CP scenario 1

             Call      Chan  Svc Status  City, State               File Number             Distance
Desired:     KASN      D34   DT  CP      PINE BLUFF, AR            BLANK0000034796

Undesireds:  WFBI-LD   D34   LD  APP     SOUTH EAST MEMPHIS, TN    WFBI-LD D34 Pre&Post T  235.1 km
             KMSS-TV   D34   DT  LIC     SHREVEPORT, LA            BLCDT20050705AAB        253.4
             WRBJ-TV   D34   DT  LIC     MAGEE, MS                 BLCDT20110511AGB        357.8
             KSJF-CD   D34   DC  CP      POTEAU, OK                BLANK0000032952         230.4
             KMYT-TV   D34   DT  CP      TULSA, OK                 BLANK0000027114         360.2
             KRAH-CD   D35   DC  CP      PARIS, AR                 BLANK0000035644         128.9

        Service area       Terrain-limited       IX-free, before        IX-free, after    Percent New IX
 41148.5   1,176,386   39668.3   1,158,170   39217.9   1,153,947   39216.9   1,153,913     0.00     0.00

Undesired                          Total IX     Unique IX, before      Unique IX, after
WFBI-LD D34 LD APP         1.0          34                              1.0          34
KMSS-TV D34 DT LIC       328.5       2,403     317.5       2,394     317.5       2,394
WRBJ-TV D34 DT LIC         5.0           0       0.0           0       0.0           0
KSJF-CD D34 DC CP         33.0         459      11.0         121      11.0         121
KMYT-TV D34 DT CP         47.1         423      28.1          15      28.1          15
KRAH-CD D35 DC CP         77.8       1,560      58.9       1,141      58.9       1,141

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Interference to BLANK0000034796 CP scenario 2

             Call      Chan  Svc Status  City, State               File Number             Distance
Desired:     KASN      D34   DT  CP      PINE BLUFF, AR            BLANK0000034796

Undesireds:  WFBI-LD   D34   LD  APP     SOUTH EAST MEMPHIS, TN    WFBI-LD D34 Pre&Post T  235.1 km
             KMSS-TV   D34   DT  LIC     SHREVEPORT, LA            BLCDT20050705AAB        253.4
             WRBJ-TV   D34   DT  LIC     MAGEE, MS                 BLCDT20110511AGB        357.8
             KSJF-CD   D34   DC  CP      POTEAU, OK                BLANK0000032952         230.4
             KMYT-TV   D34   DT  CP      TULSA, OK                 BLANK0000027114         360.2

        Service area       Terrain-limited       IX-free, before        IX-free, after    Percent New IX
 41148.5   1,176,386   39668.3   1,158,170   39276.7   1,155,088   39275.7   1,155,054     0.00     0.00

Undesired                          Total IX     Unique IX, before      Unique IX, after
WFBI-LD D34 LD APP         1.0          34                              1.0          34
KMSS-TV D34 DT LIC       328.5       2,403     317.5       2,394     317.5       2,394
WRBJ-TV D34 DT LIC         5.0           0       0.0           0       0.0           0
KSJF-CD D34 DC CP         33.0         459      22.0         265      22.0         265
KMYT-TV D34 DT CP         47.1         423      31.1         220      31.1         220

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Interference to BLANK0000034796 CP scenario 3

             Call      Chan  Svc Status  City, State               File Number             Distance
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	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KASN	D34	DT	CP	PINE BLUFF, AR	BLANK0000034796	
Undesireds:	WFBI-LD	D34	LD	APP	SOUTH EAST MEMPHIS, TN	WFBI-LD D34 Pre&Post T	235.1 km
	KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLCDT20050705AAB	253.4
	WRBJ-TV	D34	DT	LIC	MAGEE, MS	BLCDT20110511AGB	357.8
	KSJF-CD	D34	DC	CP	POTEAU, OK	BLANK0000032952	230.4
	KMYT-TV	D34	DT	BL	TULSA, OK	DTVBL54420	360.2
	KRAH-CD	D35	DC	CP	PARIS, AR	BLANK0000035644	128.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
41148.5	1,176,386	39668.3	1,158,170	39217.9	1,153,947	39216.9	1,153,913	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WFBI-LD D34 LD APP	1.0	34			1.0	34
KMSS-TV D34 DT LIC	328.5	2,403	317.5	2,394	317.5	2,394
WRBJ-TV D34 DT LIC	5.0	0	0.0	0	0.0	0
KSJF-CD D34 DC CP	33.0	459	11.0	121	11.0	121
KMYT-TV D34 DT BL	46.1	423	28.1	15	28.1	15
KRAH-CD D35 DC CP	77.8	1,560	59.9	1,141	59.9	1,141

Interference to BLANK0000034796 CP scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KASN	D34	DT	CP	PINE BLUFF, AR	BLANK0000034796	
Undesireds:	WFBI-LD	D34	LD	APP	SOUTH EAST MEMPHIS, TN	WFBI-LD D34 Pre&Post T	235.1 km
	KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLCDT20050705AAB	253.4
	WRBJ-TV	D34	DT	LIC	MAGEE, MS	BLCDT20110511AGB	357.8
	KSJF-CD	D34	DC	CP	POTEAU, OK	BLANK0000032952	230.4
	KMYT-TV	D34	DT	BL	TULSA, OK	DTVBL54420	360.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
41148.5	1,176,386	39668.3	1,158,170	39277.7	1,155,088	39276.7	1,155,054	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WFBI-LD D34 LD APP	1.0	34			1.0	34
KMSS-TV D34 DT LIC	328.5	2,403	317.5	2,394	317.5	2,394
WRBJ-TV D34 DT LIC	5.0	0	0.0	0	0.0	0
KSJF-CD D34 DC CP	33.0	459	22.0	265	22.0	265
KMYT-TV D34 DT BL	46.1	423	30.1	220	30.1	220

Interference to proposal scenario 1
8.83% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFBI-LD	D34	LD	APP	SOUTH EAST MEMPHIS, TN	WFBI-LD D34 Pre&Post T	
Undesireds:	WPXX-TV	D33	DT	CP	MEMPHIS, TN	BLANK0000053807	0.3 km
	KWMO-LD	D34	LD	CP	HOT SPRINGS, AR	BLANK0000036591	282.5
	KASN	D34	DT	CP	PINE BLUFF, AR	BLANK0000034796	235.1
	WJNK-LD	D34z	LD	LIC	NASHVILLE, TN	BLANK0000025145	296.9

Service area		Terrain-limited		IX-free		Percent IX	
4154.8	1,122,406	4149.8	1,122,406	2596.6	1,023,269	37.43	8.83

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WPXX-TV D33 DT CP	1553.3	99,137	1535.4	94,227	37.00	8.40
KASN D34 DT CP	17.9	4,910	0.0	0	0.00	0.00