INTERFERENCE ANALYSIS FOR W34ER-D, CLARKSDALE, MISSISSIPPI (CHANNEL 34)

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: w34er008, Model: Longley-Rice

Study build station data: LMS TV 2021-11-12

    Proposal: W34ER008 D34 LD APP CLARKSDALE, MS
 File number: w34er008
 Facility ID: 188796
Station data: User record
   Record ID: 4261
     Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K33MS-D	D33	LD	CP	MONROE, LA	BLANK0000036216	225.0 km
No	WNBD-LD	D33	LD	LIC	GRENADA, MS	BLDTL20101020ACE	88.7
No	WPXX-TV	D33	DT	LIC	MEMPHIS, TN	BLANK0000063435	147.0
No	W34FB-D	D34	LD	LIC	HAMILTON, AL	BLANK0000118546	259.8
No	W34EY-D	D34	DC	LIC	HUNTSVILLE, AL	BLANK0000069366	393.9
No	WBIH	D34	DT	LIC	SELMA, AL	BLANK0000110807	406.1
No	W34FN-D	D34	LD	CP	TUSCALOOSA, AL	BLANK0000071986	268.0
No	KSJF-CD	D34	DC	LIC	FORT SMITH, AR	BLANK0000116533	362.6
No	K34QK-D	D34	LD	CP	JONESBORO, AR	BLANK0000071894	192.9
No	KASN	D34	DT	LIC	PINE BLUFF, AR	BLANK0000073008	136.9
No	K34QO-D	D34	LD	CP	SPRINGDALE, AR	BLANK0000072731	379.3
No	WSIL-TV	D34	DT	LIC	HARRISBURG, IL	BLCDT20080718AAR	421.5
No	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221AOO	427.4
No	KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLCDT20050705AAB	336.5
No	KSPR-LD	D34	LD	LIC	SPRINGFIELD, MO	BLANK0000108532	389.3
No	W34DV-D	D34	DC	LIC	BOONEVILLE, MS	BLANK0000001528	209.9
No	WRBJ-TV	D34	DT	LIC	MAGEE, MS	BLCDT20110511AGB	252.3
No	WYJJ-LD	D34	LD	LIC	JACKSON, TN	BLANK0000142036	242.8
No	WFBI-LD	D34	LD	LIC	SOUTH EAST MEMPHIS, TN	BLANK0000156902	146.7
No	K35PN-D	D35	LD	CP	EL DORADO, AR	BLANK0000155958	165.4
No	WBBJ-TV	D35	DT	LIC	JACKSON, TN	BLANK0000116047	251.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D34
       Mask: Simple
   Latitude: 34 8 52.20 N (NAD83)
  Longitude: 90 46 13.80 W
Height AMSL: 118.2 m
       HAAT: 71.0 m
   Peak ERP: 3.60 kW
    Antenna: KAT-PR-TV 60.0 deg
Elev Pattrn: Generic

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.010 kW	70.3 m	8.2 km
45.0	1.38	69.0	27.0
90.0	0.098	69.9	14.4
135.0	0.009	71.5	8.0
180.0	0.008	71.8	7.8
225.0	0.003	72.3	6.1
270.0	0.003	71.4	6.3
315.0	0.007	70.8	7.7

Distance to Canadian border: 1090.1 km

Distance to Mexican border: 1083.7 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 91.6 degrees   Distance: 558.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

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Bearing: 301.6 degrees Distance: 1440.1 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 proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W34ER008	D34	LD	APP	CLARKSDALE, MS	w34er008	
Undesireds:	KASN	D34	DT	LIC	PINE BLUFF, AR	BLANK0000073008	136.9 km

Service area		Terrain-limited		IX-free		Percent IX	
528.2	20,888	528.2	20,888	521.3	20,809	1.31	0.38

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KASN D34 DT LIC	6.9	79	6.9	79	1.31	0.38
