

INTERFERENCE ANALYSIS FOR PROPOSED W26FE-D, MONTGOMERY, AL (CHANNEL 26, 1.3 kW-DA, 95.4 M AMSL)

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: w26fe052, Model: Longley-Rice

Study build station data: LMS TV 2021-12-22

Proposal: W26FE052 D26 LD APP MONTGOMERY, AL
File number: w26fe052
Facility ID: 183640
Station data: User record
Record ID: 4348
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WKNI-LP	N25-	TX	LIC	ANDALUSIA, AL	BLTTL20050131AAD	111.0 km
No	W25FC-D	D25	LD	LIC	JASPER, AL	BLANK0000155760	190.9
No	WAKA	D25	DT	LIC	SELMA, AL	BLANK0000081489	54.3
No	WAWD	D25	DT	LIC	FORT WALTON BEACH, FL	BLANK0000088510	220.3
No	WATL	D25	DT	LIC	ATLANTA, GA	BLCDT20020716AAH	240.1
No	W25FW-D	D25	LD	CP	COLUMBUS, GA	BLANK0000176693	130.2
No	DW25EG-D	D25	LD	APP	COLUMBUS, GA	BLDTL20121226AAY	123.6
No	W25EM-D	D25	LD	CP	COLUMBUS, GA	BNPDTL20090825AXS	138.2
No	WGEI-LD	D26	LD	LIC	ENTERPRISE, AL	BLANK0000014108	151.1
No	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	161.8
No	WEDS-LD	D26	LD	LIC	MOBILE, AL	BLANK0000080841	258.9
No	WBIF	D26	DT	LIC	MARIANNA, FL	BLANK0000072044	229.6
No	DW26BV	N26-	TX	APP	PANAMA CITY, FL	BLTTL20001201ABZ	220.2
No	W26FH-D	D26	LD	CP	TALLAHASSEE, FL	BLANK0000071875	282.4
No	WDRJ-LD	D26	LD	CP	ALBANY, GA	BLANK0000177467	211.4
No	W26EM-D	D26	LD	APP	ATHENS, GA	BLANK0000177552	319.5
No	W26EM-D	D26	LD	CP	ATHENS, GA	BPDTL20141216ABG	332.8
No	W26EM-D	D26	LD	LIC	ATHENS, GA	BLDTL20140919ACX	318.6
No	WTBS-LD	N26-	TX	LIC	ATLANTA, GA	BLTTL20000620AEP	233.2
No	WYBU-CD	D26	DC	LIC	COLUMBUS, GA	BLANK0000117350	113.7
No	WLVO-LD	D26	LD	LIC	CUMMING, GA	BLANK0000008263	240.1
No	WGXA	D26	DT	LIC	MACON, GA	BLANK0000074961	256.7
No	W26FJ-D	D26	LD	CP	VALDOSTA, GA	BNPDTL20090825CAF	325.5
No	K26PB-D	D26	LD	CP	WOODVILLE, GA	BNPDTL20090825BXD	349.3
No	WGNO	D26	DT	LIC	NEW ORLEANS, LA	BLCDT20121019AAK	442.4
No	WBUY-TV	D26	DT	LIC	HOLLY SPRINGS, MS	BLANK0000063641	458.0
No	WMPJ-LD	D26	LD	LIC	OXFORD, MS	BLANK0000121704	369.0
No	W26FF-D	D26	LD	CP	TUPELO, MS	BLANK0000071787	308.0
No	WNEH	D26	DT	LIC	GREENWOOD, SC	BLANK0000153952	440.5
No	WTGS	D26	DT	LIC	HARDEEVILLE, SC	BLANK0000112289	464.2
No	W18DS-D	D26	LD	CP	CHATTANOOGA, TN	BLANK0000150181	328.7
No	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	456.9
No	WBUN-LD	D27	LD	LIC	BIRMINGHAM, AL	BLDTL20130909ACA	134.1
No	WGEI-LD	D27	LD	CP	ENTERPRISE, AL	BLANK0000054046	151.1
No	WFNA	D27	DT	LIC	GULF SHORES, AL	BLANK0000120977	238.6
No	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	3.3
No	W27EP-D	D27	LD	LIC	DESTIN, FL	BLANK0000177339	207.0
No	WAGA-TV	D27	DT	LIC	ATLANTA, GA	BLANK0000152298	239.8
No	W27DK-D	D27	LD	CP	COLUMBUS, GA	BNPDTL20090825BYF	138.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
Mask: Simple
Latitude: 32 22 4.20 N (NAD83)
Longitude: 86 15 42.80 W
Height AMSL: 96.8 m (Adjusted based on actual ground elevation calculation)
HAAT: 37.0 m
Peak ERP: 1.30 kW
Antenna: Kathrein-PR-TV 240.0 deg
Elev Pattnr: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	47.4 m	5.2 km

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45.0	0.000	38.2	3.6
90.0	0.001	23.2	3.4
135.0	0.003	27.8	4.1
180.0	0.004	33.0	4.6
225.0	0.497	35.7	16.0
270.0	0.035	41.7	9.1
315.0	0.003	49.3	5.5

Distance to Canadian border: 1082.1 km

Distance to Mexican border: 1254.1 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 40.3 degrees Distance: 219.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 302.3 degrees Distance: 1900.3 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
70.05% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W26FE052	D26	LD	APP	MONTGOMERY, AL	w26fe052	
Undesireds:	WAKA	D25	DT	LIC	SELMA, AL	BLANK0000081489	54.3 km
	WGEI-LD	D26	LD	LIC	ENTERPRISE, AL	BLANK0000014108	151.1
	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	161.8
	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	3.3

	Service area		Terrain-limited		IX-free		Percent IX
	205.1	97,835	204.1	96,870	28.1	29,010	86.21 70.05

Undesired		Total IX		Unique IX	Prcnt Unique IX
WAKA D25 DT LIC	22.1	6,566	0.0	0	0.00 0.00
WTJP-TV D26 DT LIC	9.0	5,716	0.0	0	0.00 0.00
WAIQ D27 DT LIC	175.9	67,860	149.8	57,099	73.40 58.94
