



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

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Study build station data: LMS TV 2023-08-24

Proposal: WAIQ D27 DT APP MONTGOMERY, AL
File number: WAIQ New Antenna
Facility ID: 706
Station data: User record
Record ID: 3390
Country: U.S.
Zone: III

Build options:
Protect pre-transition records not on baseline channel

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	159.9 km
No	WBIF	D26	DT	LIC	MARIANNA, FL	BLANK0000190006	232.1
No	WYBU-CD	D26	DC	LIC	COLUMBUS, GA	BLANK0000117350	116.4
No	WGXA	D26	DT	LIC	MACON, GA	BLANK0000074961	259.2
Yes	WFNA	D27	DT	LIC	GULF SHORES, AL	BLANK0000120977	238.0
Yes	WTXL-TV	D27	DT	LIC	TALLAHASSEE, FL	BLCDT20090217ABY	291.0
Yes	WAGA-TV	D27	DT	LIC	ATLANTA, GA	BLANK0000152298	240.9
No	WRDW-TV	D27	DT	CP	AUGUSTA, GA	BLANK0000150357	430.6
No	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000203662	450.2
Yes	WCBI-TV	D27	DT	LIC	COLUMBUS, MS	BLANK0000059851	284.9
No	WUNW	D27	DD	LIC	CANTON, NC	BLANK0000163367	472.0
No	WLJT-DT	D27	DT	LIC	LEXINGTON, TN	BLANK0000058637	426.1

No	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLANK0000115874	410.4
Yes	WMCB-TV	D28	DT	LIC	MONTGOMERY, AL	BLANK0000107502	9.3
No	WFSG	D28	DT	LIC	PANAMA CITY, FL	BLANK0000064507	226.6
No	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	264.6

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WXVI 1600 L DA2 D MONTGOMERY, AL BL19790601AA

WXVI 1600 L DA2 N MONTGOMERY, AL BL19790601AA

Record parameters as studied:

Channel: D27

Latitude: 32 22 55.00 N (NAD83)

Longitude: 86 17 33.00 W

Height AMSL: 237.7 m

HAAT: 176.8 m

Peak ERP: 600 kW

Antenna: TFU-36JTH/VP-R 06 0.0 deg

Elev Pattern: Generic

Elec Tilt: 0.75

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	600 kW	188.4 m	80.5 km
45.0	600	179.4	79.8
90.0	600	167.0	78.8
135.0	600	166.9	78.8
180.0	600	174.1	79.4
225.0	600	177.8	79.7
270.0	600	191.1	80.8
315.0	600	169.9	79.1

Distance to Canadian border: 1081.4 km

Distance to Mexican border: 1252.5 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 41.2 degrees Distance: 220.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 302.3 degrees Distance: 1897.0 km

Study cell size: 2.00 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%

Proposal causes no interference to BLCDT20110304ACB LIC
Proposal causes no interference to BLANK0000120977 LIC
Proposal causes no interference to BLCDT20090217ABY LIC
Proposal causes no interference to BLANK0000152298 LIC
Proposal causes no interference to BLANK0000059851 LIC
Proposal causes 0.01% interference to BLANK0000107502 LIC scenario 1

---- Below is IX received by proposal WAIQ New Antenna ----

Proposal receives 1.93% interference from scenario 1
No IX check failures found.