



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

Study created: 2021.09.17 10:20:49

Study build station data: LMS TV 2021-09-17

Proposal: WIAT D30 DT APP BIRMINGHAM, AL
File number: WIAT-D30 1 MW DA at New Site
Facility ID: 5360
Station data: User record
Record ID: 2789
Country: U.S.
Zone: II

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	WBRC	D29	DT	LIC	BIRMINGHAM, AL	BLANK0000081282	0.8 km
No	WFBD	D29	DT	LIC	DESTIN, FL	BLANK0000131443	276.4
No	WYGA-CD	D29	DC	CP	ATLANTA, GA	BLANK0000127583	228.2
No	WYGA-CD	D29	DC	LIC	ATLANTA, GA	BLANK0000081313	228.2
No	WTCI	D29	DT	LIC	CHATTANOOGA, TN	BLANK0000001535	237.2
Yes	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	234.6
Yes	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK0000111746	330.2
Yes	WGBP-TV	D30	DT	LIC	OPELIKA, AL	BLCDT20140827ABB	228.1
No	WVUP-CD	D30	DC	LIC	TALLAHASSEE, FL	BLANK0000120620	405.9
Yes	WDGA-CD	D30	DC	LIC	DALTON, GA	BLANK0000098047	215.3
Yes	WMGT-TV	D30	DT	LIC	MACON, GA	BLANK0000075816	312.6
Yes	WLBT	D30	DT	LIC	JACKSON, MS	BLCDT20100119AEE	362.5
No	WYFF	D30	DT	LIC	GREENVILLE, SC	BLANK0000081030	425.9
Yes	WMC-TV	D30	DT	APP	MEMPHIS, TN	BLANK0000127522	339.0
Yes	WNAB	D30	DT	LIC	NASHVILLE, TN	BLANK0000115868	309.0
Yes	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	148.3

No	WPCH-TV	D31	DT	LIC	ATLANTA, GA	BLANK0000152274	231.0
No	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	217.9
No	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK	217.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Latitude: 33 29 2.00 N (NAD83)
Longitude: 86 48 21.00 W
Height AMSL: 614.7 m
HAAT: 419.4 m
Peak ERP: 1000 kW
Antenna: DIE-TFU-26ETT/VP-R 4C150 0.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

40.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	924 kW	435.7 m	110.2 km
45.0	981	378.2	105.5
90.0	437	410.1	100.6
135.0	137	414.6	91.5
180.0	80.7	428.2	88.5
225.0	797	422.3	107.4
270.0	949	434.5	110.4
315.0	912	431.7	109.7

ERP exceeds maximum

ERP: 1000 kW ERP maximum: 778 kW

Distance to Canadian border: 980.1 km

Distance to Mexican border: 1283.4 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 77.1 degrees Distance: 197.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 299.6 degrees Distance: 1793.0 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 0.11% interference to BLANK0000081282 LIC scenario 1
Proposal causes no interference to BLANK0000067031 LIC
Proposal causes no interference to BLANK0000111746 LIC
Proposal causes 0.06% interference to BLCDT20140827ABB LIC scenario 1
Proposal causes 0.14% interference to BLANK0000098047 LIC scenario 1
Proposal causes no interference to BLANK0000075816 LIC
Proposal causes 0.00% interference to BLCDT20100119AEE LIC scenario 1
Proposal causes 0.01% interference to BLANK0000127522 APP scenario 1
Proposal causes no interference to BLANK0000115868 LIC
Proposal causes no interference to BLANK0000001319 LIC

---- Below is IX received by proposal WIAT-D30 1 MW DA at Ne ----

**MX with BLANK0000127522 APP scenario 1, 1.46% interference received