

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: Montgomery3d3kwincSam137at327A2, Model: Longley-Rice  
Start: 2022.05.12 01:28:36

Study created: 2022.05.12 01:28:35

Study build station data: LMS TV 2022-05-11

Proposal: W03BW-D D3 LD CP Montgomery, AL  
Facility ID: 186486  
Station data: User record  
Record ID: 2076  
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	WDVZ-CD	D3	DC	LIC	GREENSBORO, AL	BLANK0000001620	293.3 km
No	WTHC-LD	D3	LD	LIC	ATLANTA, GA	BLANK00000098731	261.0
No	WCBI-LD	D3	LD	LIC	STARKVILLE, MS	BLANK00000180378	380.4
No	W04DN-D	D4	LD	LIC	AUBURN, AL	BLANK00000178752	155.3
No	W04DN-D	D4	LD	CP	AUBURN, AL	BLANK00000184995	155.5
No	W04DX-D	D4	LD	CP	TALLAHASSEE, FL	BNPDTL20090825AMC	141.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D3  
Mask: Full Service  
Latitude: 31 13 35.00 N (NAD83)  
Longitude: 85 23 33.60 W  
Height AMSL: 143.6 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: SAMCO-SAM-137 (ID 1009391) 327.0 deg

Elev Pattnr: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.35 kW	42.0 m	30.6 km
45.0	0.005	63.5	10.6
90.0	0.014	60.3	13.1
135.0	0.051	71.5	19.3
180.0	0.039	65.8	17.3
225.0	0.003	54.7	8.8
270.0	0.167	59.8	23.5
315.0	2.73	44.6	35.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 58 m

Distance to Canadian border: 1186.4 km

Distance to Mexican border: 1266.6 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 11.9 degrees    Distance: 299.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 304.5 degrees    Distance: 2038.7 km

Study cell size: 1.00 km

Profile point spacing: 0.10 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 proposal scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired: W03BW-D D3 LD CP Montgomery, AL

Service area		Terrain-limited		IX-free		Percent IX	
1516.6	124,668	1508.5	124,635	1508.5	124,635	0.00	0.00