tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Cord17d3kwCL1469B110IncF, Model: Longley-Rice
Start: 2021.06.25 11:10:37

Study created: 2021.06.25 11:10:36

Study build station data: LMS TV 2021-06-24

    Proposal: W41EB-D D17 LD APP CORDELE, GA
 Facility ID: 186154
Station data: User record
   Record ID: 364
     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	W16DV-D	D16	LD	CP	Alexander City, AL	BLANK0000071736	183.7 km
No	WJHG-TV	D16	DT	LIC	PANAMA CITY, FL	BLANK0000068516	233.4
No	DDW38EM-D	D16	LD	APP	ALBANY, GA	BLANK0000052733	61.7
No	WRDP-LD	D16	LD	CP	COLUMBUS, GA	BLANK0000074337	103.8
No	DDW26DS-D	D16	LD	APP	LA GRANGE, GA	BLANK0000053055	173.2
No	WDMA-CD	D16	DC	LIC	MACON, GA	BLANK0000074865	100.8
No	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	275.8
No	WSAV-TV	D16	DT	LIC	SAVANNAH, GA	BLANK0000055021	234.7
No	WUOA-LD	D17	LD	LIC	BIRMINGHAM, AL	BLANK0000011374	330.7
No	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000071637	402.2
No	WAAY-TV	D17	DT	CP	HUNTSVILLE, AL	BLANK0000127697	402.2
No	WALE-LD	D17	LD	LIC	MONTGOMERY, AL	BLANK0000001706	239.7
No	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	112.8
No	WJMY-CD	D17	DC	LIC	TUSCALOOSA, AL	BLANK0000086812	374.8
No	WPXB-LD	D17	LD	CP	DAYTONA BEACH, FL	BLANK0000072059	397.2
No	WJVF-LD	D17	LD	LIC	Jacksonville, FL	BLANK0000129911	242.9
No	WJVF-LD	D17	LD	CP	Jacksonville, FL	BLANK0000131804	280.8
No	WFXU	D17	DT	LIC	LIVE OAK, FL	BLANK0000112143	171.0

No	W17EL-D	D17	LD	CP	OCALA, FL	BNPDTL20090825AMY	318.8
No	W17EM-D	D17	LD	CP	PANAMA CITY, FL	BNPDTL20090825BWX	233.4
No	W17EM-D	D17	LD	APP	PANAMA CITY, FL	BLANK0000116864	233.4
No	WEAR-TV	D17	DT	LIC	PENSACOLA, FL	BLANK0000121008	395.3
No	WEWA-LD	D17	LD	LIC	WEWAHITCHKA, FL	BLANK0000081438	243.7
No	WSB-TV	D17	LD	CP	ATLANTA, GA	BLANK0000137672	221.3
No	WJEA-LD	D17	LD	CP	AUGUSTA, GA	BLANK0000072016	215.2
No	W17DW-D	D17	LD	CP	SOPERTON, GA	BNPDTL20100510AHD	137.6
No	WKSY-LD	D17	LD	CP	SUMMERVILLE/TRION, GA	BLANK0000074683	314.3
No	WTAT-TV	D17	DT	LIC	CHARLESTON, SC	BLANK0000118551	399.3
No	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000083635	374.6
No	WBMM	D18	DT	LIC	TUSKEGEE, AL	BLANK0000081490	204.1
No	NEW	D18	LD	APP	MONTICELLO, FL	BNPDTL20090825BMH	160.4
No	NEW	D18	LD	APP	QUINCY, FL	BNPDTL20090825AMN	173.9
No	NEW	D18	LD	APP	TALLAHASSEE, FL	BNPDTL20090825ALY	167.7
No	WUEE-LD	D18	LD	CP	ALBANY, GA	BLANK0000013290	64.0
No	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	213.9
No	W18ED-D	D18	LD	CP	CHULA, GA	BNPDTL20100510ABF	49.5
No	WPGA-LP	D18-	LD	CP	MACON, GA	BLANK0000053605	92.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D17
       Mask: Full Service
   Latitude:  31 56 23.30 N (NAD83)
  Longitude:  83 47  4.00 W
Height AMSL: 106.0 m
       HAAT: 0.0 m
   Peak ERP: 3.00 kW
    Antenna: KAT-CL-1469B (ID 1007708) 110.0 deg
Elev Pattrn: Generic
```

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance

0.0 deg	0.000 kW	8.2 m	2.6 km
45.0	0.000	-2.0	2.6
90.0	1.98	-16.5	22.1
135.0	1.54	-16.5	20.9
180.0	0.000	8.6	2.6
225.0	0.000	20.4	2.6
270.0	0.000	23.6	2.6
315.0	0.000	14.4	2.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 5 m

Distance to Canadian border: 1086.7 km

Distance to Mexican border: 1438.1 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 337.9 degrees Distance: 231.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 301.3 degrees Distance: 2123.5 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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%

Interference to proposal scenario 1

63.39% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W41EB-D	D17	LD	APP	CORDELE, GA		
Undesireds:	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	112.8 km
	WJVF-LD	D17	LD	LIC	Jacksonville, FL	BLANK0000129911	242.9
	W17EM-D	D17	LD	CP	PANAMA CITY, FL	BNPDTL20090825BWX	233.4

Service area		Terrain-limited		IX-free		Percent IX	
357.6	10,821	352.5	10,813	93.9	3,959	73.35	63.39

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WGBP-TV D17 DD LIC	258.6	6,854	258.6	6,854	73.35	63.39