Study created: 2020.07.21 12:56:47 JMc

Study build station data: LMS TV 2020-07-21

Proposal: WYGA-CD D29 DC LIC ATLANTA, GA
File number: BLANK0000081313
Facility ID: 168094
Station data: User record
Record ID: 1053
Country: U.S.

Build options:
Protect LPTV records from Class A

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WCTD-LP	N22-	TX	LIC	DUCKTOWN, TN	BLTTL20070622ADD	144.1 km
No	WTBS-LP	N26-	TX	LIC	ATLANTA, GA	BLTTL20000620AEP	3.1
No	WMCF-TV	D28	DT	LIC	MONTGOMERY, AL	BLANK0000107502	226.9
Yes	WDWW-LD	D28	LD	LIC	ATLANTA, GA	BLANK0000105503	7.2
No	WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201	237.0
No	W28ER-D	D28	LD	CP	COLUMBUS, GA	BNPDTL20090825BAW	151.2
Yes	WELF-TV	D28	DT	LIC	DALTON, GA	BLANK0000090766	154.3
No	W28EU-D	D28	LD	LIC	MACON, GA	BLANK0000112812	85.9
No	W08EG-D	D28	LD	CP	TOCCOA, GA	BLANK0000053814	132.7
Yes	WBRC	D29	DT	LIC	BIRMINGHAM, AL	BLANK0000081282	227.6
Yes	WQMK-LD	D29	LD	CP	CUSSETA, AL	BLANK0000053343	141.0
No	W29FJ-D	D29	LD	CP	DOTHAN, AL	BLANK0000071839	296.3
No	W29FP-D	D29	LD	CP	MONTGOMERY, AL	BNPDTL20090825BZR	235.9
No	WMJN-LD	D29	LD	LIC	Somerville, AL	BLDTL20150126ABT	244.3
No	W29DT-D	D29	LD	LIC	TUSCALOOSA, AL	BLDTL20140304ADJ	351.3
No	WFBD	D29	DT	CP	DESTIN, FL	BLANK0000027353	377.2
No	WFBD	D29	DT	BL	DESTIN, FL	DTVBL81669	377.2
No	W29FN-D	D29	LD	CP	PANAMA CITY, FL	BLANK0000116672	404.1
No	W29FO-D	D29	LD	CP	TALLAHASSEE, FL	BNPDTL20090825AMR	342.5
No	W48DU-D	D29	LD	CP	ALBANY, GA	BLANK0000052013	256.4
No	W29ED-D	D29	LD	CP	ASHBURN, GA	BNPDTL20100510ABD	231.9
Yes	W29DN-D	D29	LD	LIC	ATHENS, GA	BLDTL20140221ACE	111.1
Yes	W29DN-D	D29	LD	CP	ATHENS, GA	BPDTL20140228AEM	99.6
No	WDZC-LD	D29	LD	CP	AUGUSTA, GA	BMPDTL20140528ACZ	208.8
No	W29FD-D	D29	LD	LIC	COLUMBUS, GA	BLANK0000095112	163.2
Yes	WJDO-LD	D29	LD	CP	MACON, GA	BLANK0000074456	132.8
No	W29EN-D	D29	LD	CP	SOPERTON, GA	BNPDTL20100510AHF	231.1
No	WKGB-TV	D29	DT	LIC	BOWLING GREEN, KY	BLANK0000087457	425.0
No	WVTN-LD	D29	LD	LIC	CORBIN, KY	BLANK0000080149	360.6
No	W29FE-D	D29	LD	LIC	BAT CAVE, ETC., NC	BLANK0000073778	267.9
Yes	W29DE-D	D29	LD	LIC	HAYESVILLE, NC	BLDTT20090210AAS	146.8
No	WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLCDT20050624ABB	476.4
No	WAZS-LD	D29	LD	LIC	NORTH CHARLESTON, SC	BLDTL20100916ADH	405.5
No	WSQY-LP	D29	LD	CP	SPARTANBURG, SC	BLANK0000059067	222.9
No	WRJA-TV	D29	DT	LIC	SUMTER, SC	BLANK0000081209	377.9
Yes	WKOP-TV	D29	DT	LIC	KNOXVILLE, TN	BLANK0000081273	252.9
No	W29DM-D	D29	LD	LIC	LEWISBURG, TN	BLANK0000091947	321.7
No	WIIW-LD	D29	LD	CP	NASHVILLE, TN	BDISDTL20110831ABK	357.5
No	WCYB-TV	D29	LD	LIC	BRISTOL, VA	BLANK0000010637	363.7
No	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLCDT20021219AAV	228.3
No	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	246.6
No	WGIQ	D30	DT	APP	LOUISVILLE, AL	BLANK0000118055	246.6

Yes	WBUD-LD	D30	LD	CP	Atlanta, GA	BLANK0000071622	7.2
Yes	WTBS-LD	D30	LD	LIC	ATLANTA, GA	BLDTL20110105ABR	7.2
No	WDGA-CD	D30	DC	LIC	DALTON, GA	BLANK0000098047	125.4
No	WMGT-TV	D30	DT	LIC	MACON, GA	BLANK0000075816	132.8
No	WYFF	D30	DT	LIC	GREENVILLE, SC	BLANK0000081030	221.2
No	W21BZ	N30-	TX	LIC	COLLEGEDALE, TN	BLTTL19990802JH	156.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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    Channel: D29
       Mask: Full Service
   Latitude:  33 44 40.90 N (NAD83)
  Longitude:  84 21 35.70 W
Height AMSL: 575.4 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
  Elec Tilt: 1.50
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50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	298.2 m	56.2 km
45.0	15.0	274.7	54.9
90.0	15.0	287.8	55.7
135.0	15.0	317.0	57.3
180.0	15.0	296.2	56.1
225.0	15.0	276.3	55.0
270.0	15.0	288.7	55.7
315.0	15.0	305.6	56.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 293 m

Distance to Canadian border: 893.9 km

Distance to Mexican border: 1485.5 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 291.4 degrees Distance: 36.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 297.0 degrees Distance: 1978.7 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%

No IX check failures found.