Study created: 2020.01.18 07:41:53

Study build station data: LMS TV 2020-01-15

Proposal: WHWD-LD D15 LD CP Winston-Salem, NC
File number: BLANK0000029372
Facility ID: 67958
Station data: User record
Record ID: 2894
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WTVI	D14	LD	LIC	CHARLOTTE, NC	BLEDT20110104AAK	84.5 km
No	WRDC	D14	DT	CP	DURHAM, NC	BLANK0000068684	177.3
No	WHKY-TV	D14	DD	CP	HICKORY, NC	BLANK0000078363	85.0
No	WLFG	D14	DD	LIC	GRUNDY, VA	BLANK0000071597	172.0
No	WDDZ-LD	D15	LD	CP	AUGUSTA, GA	BLANK0000036283	338.6
No	WGGD-LD	D15	LD	LIC	GAINESVILLE, GA	BLDTL20121213AIK	378.8
No	W15EB-D	D15	DC	LIC	CHARLOTTE, NC	BLANK0000083736	97.2
No	WNCB-LD	D15	LD	LIC	FAYETTEVILLE, NC	BLANK0000011263	170.4
No	W15CW-D	D15	LD	LIC	FRANKLIN, NC	BLDTT20111227ABE	297.3
No	W15CW-D	D15	LD	CP	FRANKLIN, NC	BMPDTT20110127AAR	297.4
No	W15CW-D	D15	LD	CP	FRANKLIN, NC	BDISDTT20090824ACL	297.4
No	W15DO-D	D15	LD	CP	GREENVILLE, NC	BDCCDTL20120416ABG	304.0
No	WDKT-LD	D15	LD	LIC	HENDERSONVILLE, NC	BLANK0000089000	213.0
No	W15DR-D	D15	LD	CP	MAGGIE VALLEY, ETC, NC	BDCCDTT20120706ABQ	246.1
No	W15DY-D	D15	LD	CP	MARION, ETC., NC	BLANK0000001742	144.6
No	W15EL-D	D15	LD	LIC	MARS HILL, NC	BLANK0000081166	189.9
Yes	WRAZ	D15	DT	CP	RALEIGH, NC	BLANK0000075888	177.3
Yes	W15EF-D	D15	LD	LIC	SPARTA, NC	BLANK0000055108	83.2
No	NEW	D15	LD	APP	WILMINGTON, NC	BNPDTL20090825ADO	288.2
No	WILM-LD	D15	LD	LIC	WILMINGTON, NC	BLANK0000055240	275.3
No	NEW	D15	LD	APP	WILMINGTON, NC	BNPDTL20090825AVF	275.3
No	WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	319.5
No	WLTX	D15	DT	LIC	COLUMBIA, SC	BLANK0000082085	213.7
No	W15DC-D	D15	LD	CP	FLORENCE, SC	BLANK0000036248	208.4
No	WCYD-LD	D15	LD	LIC	MYRTLE BEACH, SC	BLANK0000006413	260.3
No	WCYD-LD	D15	LD	CP	MYRTLE BEACH, SC	BLANK0000036537	303.1
No	WTNZ	D15	DT	LIC	KNOXVILLE, TN	BLANK0000081278	315.0
No	WFDC-DT	D15	DT	LIC	ARLINGTON, VA	BLANK0000041206	441.6
No	WHSV-TV	D15	LD	CP	HARRISONBURG, VA	BLANK0000071679	320.4

No	WUDW-LD	D15	LD	LIC	RICHMOND, VA	BLANK0000080926	304.4
No	WCEE-LD	D16	LD	LIC	CHARLOTTE, NC	BLANK0000005163	86.1
No	WCEE-LD	N16-	TX	LIC	CHARLOTTE, NC	BLTT20041025ACE	86.1
No	WXII-TV	D16	DT	LIC	WINSTON-SALEM, NC	BLANK0000081027	42.0
No	WKDC-LD	D16	LD	CP	COLUMBIA, SC	BLANK0000054557	216.3
No	WJPM-TV	D16	DT	LIC	FLORENCE, SC	BLANK0000081200	202.1
No	WJPM-TV	D16	DT	CP	FLORENCE, SC	BLANK0000086360	202.1
No	W28DB-D	D16	LD	CP	HONEA PATH, SC	BLANK0000067625	213.0
No	W28DB-D	D16	LD	LIC	HONEA PATH, SC	BLANK0000093423	213.0
No	WAPK-CD	D16	DC	LIC	BRISTOL VA/KINGSPORT, TN	BLANK0000070481	158.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D15
       Mask: Simple
   Latitude:  36  0  9.70 N (NAD83)
  Longitude:  80 27 11.20 W
Height AMSL: 282.0 m
       HAAT: 0.0 m
   Peak ERP: 1.00 kW
    Antenna: SAM-SAM-260 (ID 110292) 60.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.00
```

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.040 kW	46.9 m	10.6 km
45.0	0.865	41.7	21.5
90.0	0.476	54.8	21.6
135.0	0.004	61.9	6.8
180.0	0.004	48.1	6.0
225.0	0.017	51.3	9.0
270.0	0.014	48.2	8.4
315.0	0.002	48.9	4.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 50 m

Distance to Canadian border: 652.7 km

Distance to Mexican border: 1920.4 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 239.8 degrees Distance: 456.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 289.4 degrees Distance: 2208.0 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: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

---- Below is IX received by proposal BLANK0000029372 ----

Proposal receives 10.12% interference from scenario 1
No IX check failures found.