Study created: 2020.09.05 17:02:17

Study build station data: LMS TV 2020-07-23

Proposal: WPEM-LD D34 LD CP LUMBERTON, NC
File number: BLANK0000030452
Facility ID: 24090
Station data: User record
Record ID: 173
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W19CA	N19-	TX	LIC	LUMBERTON, NC	BLTT19961112JH	23.6 km
No	W33DM-D	D33	LD	LIC	JACKSONVILLE, NC	BLANK0000117659	155.0
No	WTNG-CD	D33	DC	LIC	LUMBERTON-PEMBROKE, NC	BLANK0000081109	7.0
No	W46EU-D	D33	LD	CP	RALEIGH, NC	BLANK0000114375	117.3
No	WILT-LD	D33	LD	LIC	WILMINGTON, NC	BLANK0000081348	117.0
No	WUNL-TV	D33	DT	CP	WINSTON-SALEM, NC	BLANK0000034443	224.3
No	WRLK-TV	D33	DT	LIC	COLUMBIA, SC	BLANK0000111852	184.7
No	W33DN-D	D33	LD	CP	FLORENCE, SC	BLANK0000036212	77.2
No	WQHI-LD	D33	LD	CP	MYRTLE BEACH, SC	BNPDTL20100804AAD	88.1
No	W34FO-D	D34	LD	CP	AUGUSTA, GA	BLANK0000071806	325.4
No	W34FT-D	D34	LD	CP	WASHINGTON, GA	BNPDTL20090825BXG	358.3
No	W34FH-D	D34	LD	LIC	MARION, ETC., NC	BLANK0000086808	253.5
Yes	WYBE-CD	D34	DC	LIC	PINEHURST, NC	BLANK0000080833	64.8
No	WACN-LP	D34z	LD	CP	RALEIGH, NC	BLANK0000050869	146.3
No	WACN-LP	N34z	TX	LIC	RALEIGH, NC	BLTTL20060609AAA	120.5
No	W06AN	D34	LD	CP	SAPPHIRE VALLEY,ETC., NC	BDISDTT20120614AAN	329.7
Yes	WITN-TV	D34	DT	LIC	WASHINGTON, NC	BLANK0000091433	168.4
No	W34DX-D	D34	LD	LIC	WEST ASHEVILLE, NC	BLDTT20130530AGK	345.8
Yes	WIDO-LD	D34	LD	CP	WILMINGTON, NC	BLANK0000071898	82.5
No	WGWG	D34	DT	LIC	CHARLESTON, SC	BLCDT20060630ADJ	203.8
Yes	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	181.7
No	WVLT-TV	D34	DT	LIC	KNOXVILLE, TN	BLANK0000081956	469.4
No	W34EV-D	D34	LD	CP	Charlottesville, VA	BLANK0000008300	379.5
No	WHSV-TV	D34	LD	LIC	Massanutten, VA	BLANK0000107364	414.0
No	WHSV-TV	D34	LD	CP	Massanutten, VA	BLANK0000111674	414.0
No	WJHJ-LP	D34+	LD	CP	NEWPORT NEWS, ETC., VA	BLANK0000054621	343.1
No	WZTD-LD	D34	LD	LIC	RICHMOND, VA	BLANK0000093220	340.9
No	WSLS-TV	D34	DT	LIC	ROANOKE, VA	BLANK0000081215	298.0
No	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK0000113927	151.5
No	W35DW-D	D35	LD	CP	GREENVILLE, NC	BLANK0000072082	183.0
No	WTMV-LD	D35	LD	LIC	OGDEN, NC	BLANK0000058471	120.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D34
       Mask: Full Service
   Latitude:  34 40 27.00 N (NAD83)
  Longitude:  79  2 20.10 W
Height AMSL: 191.9 m
       HAAT: 0.0 m
   Peak ERP: 2.30 kW
    Antenna: SWR-SWLP8OI (ID 24202) 215.0 deg
Elev Pattrn: Generic
```

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.913 kW	141.8 m	32.2 km
45.0	1.03	146.3	33.1
90.0	0.828	147.6	32.1
135.0	1.16	152.2	34.1
180.0	1.99	154.8	37.0
225.0	2.30	150.5	37.5
270.0	1.64	143.6	35.3
315.0	0.913	141.5	32.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 147 m

Distance to Canadian border: 831.6 km

Distance to Mexican border: 1965.1 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 261.8 degrees Distance: 529.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 292.5 degrees Distance: 2380.6 km

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 BLANK0000030452 ----

Proposal receives 26.54% interference from scenario 1
No IX check failures found.