

Study created: 2017.08.30 15:07:03

Study build station data: LMS TV 2017-08-07 (2)

Proposal: W44CL-D D32 LD LIC ROANOKE, VA
File number: Proposed
Facility ID: 49408
Station data: User record
Record ID: 22
Country: U.S.

Build options:
Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number
Distance					
WXII-TV	D31	DT	LIC	WINSTON-SALEM, NC	BLANK0000029093
117.8 km					
WRPX-TV	D32	DT	CP	ROCKY MOUNT, NC	BLANK0000027007
209.4					
WUNL-TV	D32	DT	LIC	WINSTON-SALEM, NC	BLEDT20091112ABR
117.7					
WKPT-TV	D32	DT	CP	KINGSPORT, TN	BLANK0000026140
222.6					
WCAV	D32	DT	CP	CHARLOTTESVILLE, VA	BLANK0000025088
144.3					
WVIR-TV	D32	DT	LIC	CHARLOTTESVILLE, VA	BLCDT20040908AAE
144.2					
WMYV	D33	DT	LIC	GREENSBORO, NC	BLCDT20020430ABD
167.6					
WUNL-TV	D33	DT	CP	WINSTON-SALEM, NC	BLANK0000028084
117.7					

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32
Mask: Stringent
Latitude: 37 22 23.00 N (NAD83)
Longitude: 79 55 39.00 W
Height AMSL: 697.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: MCX SFN-2030-G-10 240.0 deg
Elev Pattn: MCX SFN-2030-G-10
Elec Tilt: 2.00

50.5 dBu contour:
Azimuth ERP HAAT Distance

0.0 deg	0.037 kW	295.7 m	23.7 km
45.0	0.054	297.7	25.6
90.0	0.030	235.1	20.2
135.0	0.338	265.5	34.0
180.0	4.21	384.3	53.3
225.0	13.7	364.0	58.8
270.0	10.8	247.6	51.4
315.0	1.89	171.3	38.0

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: 283 m

Distance to Canadian border: 523.1 km

Distance to Mexican border: 2041.2 km

Conditions at FCC monitoring station: Laurel MD
 Bearing: 52.7 degrees Distance: 336.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 285.9 degrees Distance: 2206.6 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%

No IX check failures found.