

WHFL-CD DIGITAL TELEVISION CHANNEL STUDY
 FCC TVSTUDY (VERSION 2.2.2)

Study build station data: LMS TV 10-28-2017

Proposal: WHFL-CD D7 DC APP GOLDSBORO, NC
 File number: BLANK0000028058
 Facility ID: 22485
 Station data: User record
 Record ID: 64
 Country: U.S.

Build options:
 Protect LPTV records from Class A

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WOLO-TV	D7	DT	CP	COLUMBIA, SC	BLANK0000027060	285.4 km
WOLO-TV	D7	DT	BL	COLUMBIA, SC	DTVBL60963	285.4
WSET-TV	D7	DT	CP	LYNCHBURG, VA	BLANK0000027304	259.9
WSET-TV	D7	DT	BL	LYNCHBURG, VA	DTVBL73988	259.9
WTPC-TV	D7	DT	LIC	VIRGINIA BEACH, VA	BLANK0000021983	211.3
WNCN	D8	DT	CP	GOLDSBORO, NC	BLANK0000029595	56.5
WNCN	D8	DT	APP	GOLDSBORO, NC	BLANK0000027616	56.5 DISMISSED 8/31/17
WNCN	D8	DT	BL	GOLDSBORO, NC	DTVBL50782	56.5
WAUG-LD	D8	LD	LIC	RALEIGH, NC	BLDVL20141125AVT	71.1

No non-directional AM stations found within 0.8 km
 Directional AM stations within 3.2 km:
 WGBR 1150 L DA2 D GOLDSBORO, NC BL20040809ACG
 WGBR 1150 L DA2 N GOLDSBORO, NC BL20040809ACG

Record parameters as studied:

Channel: D7
 Mask: Stringent
 Latitude: 35 21 54.10 N (NAD83)
 Longitude: 78 1 58.40 W
 Height AMSL: 155.4 m
 HAAT: 0.0 m
 Peak ERP: 3.00 kW
 Antenna: Omnidirectional
 Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	122.4 m	48.9 km
45.0	3.00	119.7	48.6
90.0	3.00	122.5	48.9
135.0	3.00	137.3	50.8
180.0	3.00	110.1	47.3
225.0	3.00	116.8	48.2
270.0	3.00	131.7	50.1
315.0	3.00	117.0	48.3

Database HAAT: 0 m Computed HAAT: 122 m

**Proposal service area extends beyond baseline plus 1.0%
 Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 797.3 km
Distance to Mexican border: 2080.5 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 13.9 degrees Distance: 435.8 km

Proposal is not within the West Virginia quiet zone area
Conditions at Table Mountain receiving zone:
Bearing: 290.7 degrees Distance: 2437.6 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%

Proposal receives 0.55% interference from scenario 1
**MX with BLANK0000027616 APP, 2.41% interference, scenario 2

Proposal receives 0.55% interference from scenario 4
**MX with BLANK0000027616 APP, 2.41% interference, scenario 5

NOTE:

The APPLICATION OF WNCN (0000027616) has been dismissed as of 8/31/2017.