

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Myrtle14d9kwELTI210F, Model: Longley-Rice

Start: 2021.07.29 13:13:23

Study created: 2021.07.29 13:13:23

Study build station data: LMS TV 2021-07-29

Proposal: W41DY-D D14 LD APP MYRTLE BEACH, SC

Facility ID: 185604

Station data: User record

Record ID: 130

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WFOX-TV	D14	DT	LIC	JACKSONVILLE, FL	BLANK0000120746	464.7 km
No	WDMN-LD	D14	LD	CP	AUGUSTA, GA	BMPDTL20140528ACX	309.0
No	W23FE-D	N14+	TX	LIC	Savannah, GA	BLTT20040915ADW	380.0
No	WRDC	D14	DT	LIC	DURHAM, NC	BLANK0000125503	212.5
No	WHKY-TV	D14	DD	LIC	HICKORY, NC	BLANK0000109333	282.0
No	WECE-LD	D14	LD	CP	WILMINGTON, NC	BMPDTL20140218ACO	74.4
No	WSCG-LD	D14+	LD	LIC	BEAUFORT, ETC., SC	BLANK0000063818	231.7
No	WLFG	D14	DD	LIC	GRUNDY, VA	BLANK0000071597	445.8
No	WNLO-CD	D14	DC	LIC	NORFOLK, VA	BLANK0000125110	400.0
No	WRAZ	D15	DT	LIC	RALEIGH, NC	BLANK0000143683	212.5
No	WILM-LD	D15	LD	LIC	WILMINGTON, NC	BLANK0000055240	84.5
No	WLTX	D15	DT	LIC	COLUMBIA, SC	BLANK0000082085	177.3
No	W15DC-D	D15	LD	CP	FLORENCE, SC	BLANK0000036248	76.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D14  
Mask: Full Service  
Latitude: 33 47 5.50 N (NAD83)  
Longitude: 78 52 43.00 W  
Height AMSL: 26.0 m  
HAAT: 0.0 m  
Peak ERP: 9.00 kW  
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 210.0 deg  
Elev Pattn: Generic

48.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.035 kW	17.8 m	8.3 km
45.0	0.008	17.1	5.8
90.0	0.047	19.3	8.9
135.0	0.130	23.6	11.5
180.0	4.41	22.0	26.1
225.0	7.34	20.4	28.4
270.0	0.484	14.9	15.8
315.0	0.037	19.6	8.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 19 m

Distance to Canadian border: 929.9 km

Distance to Mexican border: 1939.7 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 272.5 degrees    Distance: 539.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 294.5 degrees    Distance: 2433.5 km

No land mobile station failures found

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%

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Interference to proposal scenario 1

2.86% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W41DY-D	D14	LD	APP	MYRTLE BEACH, SC		

Undesireds:	WRDC	D14	DT	LIC	DURHAM, NC	BLANK0000125503	212.5 km
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	Service area		Terrain-limited		IX-free		Percent IX
836.5	149,947	836.5	149,947	767.1	145,664	8.30	2.86

Undesired				Total IX	Unique IX	Prct Unique IX	
WRDC D14 DT LIC		69.4		4,283	69.4	4,283	8.30 2.86