

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: MyrtleBeach15d0.2kwinceltiat150ff, Model: Longley-Rice

Start: 2021.11.25 20:05:40

Study created: 2021.11.25 20:05:39

Study build station data: LMS TV 2021-11-26

Proposal: W15ES-D D15 LD CP MYRTLE BEACH, SC

Facility ID: 185605

Station data: User record

Record ID: 1340

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	WRDC	D14	DT	LIC	DURHAM, NC	BLANK00000125503	221.8 km
No	WHKY-TV	D14	DD	LIC	HICKORY, NC	BLANK00000109333	273.4
No	WECE-LD	D14	LD	CP	WILMINGTON, NC	BLANK00000157772	103.3
No	WSCG-LD	D14+	LD	LIC	BEAUFORT, ETC., SC	BLANK00000063818	214.2
No	W14EZ-D	D14	LD	CP	MYRTLE BEACH, SC	BLANK00000154541	19.2
No	WDDZ-LD	D15	LD	LIC	AUGUSTA, GA	BLANK00000158634	292.4
No	WDDZ-LD	D15	LD	APP	AUGUSTA, GA	BLANK00000159534	255.0
No	WPHJ-LD	D15+	LD	LIC	BAXLEY, GA	BLANK00000125982	329.9
No	WPHJ-LD	D15+	LD	CP	BAXLEY, GA	BLANK00000143401	282.5
No	W15EB-D	D15	DC	CP	CHARLOTTE, NC	BLANK00000127538	232.1
No	W15EB-D	D15	DC	LIC	CHARLOTTE, NC	BLANK00000083736	232.1
No	WDKT-LD	D15	LD	LIC	HENDERSONVILLE, NC	BLANK00000089000	334.4
No	W15DY-D	D15	LD	LIC	MARION, ETC., NC	BLANK00000119377	343.8
No	WRAZ	D15	DT	LIC	RALEIGH, NC	BLANK00000143683	221.8
No	W15EF-D	D15	LD	LIC	SPARTA, NC	BLANK00000055108	361.6
No	WILM-LD	D15	LD	LIC	WILMINGTON, NC	BLANK00000055240	102.0
No	WHWD-LD	D15	LD	LIC	Winston-Salem, NC	BLANK00000143309	283.3
No	WLTX	D15	DT	LIC	COLUMBIA, SC	BLANK00000082085	161.0
No	W15DC-D	D15	LD	CP	FLORENCE, SC	BLANK00000036248	74.6
No	W15DO-D	D15	LD	LIC	NORFOLK, VA	BLANK00000120726	296.5
No	W15DO-D	D15	LD	CP	NORFOLK, VA	BLANK00000157818	341.1

No	WCEE-LD	D16	LD	LIC	CHARLOTTE, NC	BLANK0000005163	224.4
No	WPXU-TV	D16	DT	LIC	JACKSONVILLE, NC	BLANK0000129487	168.9
No	WJPM-TV	D16	DT	LIC	FLORENCE, SC	BLANK0000138174	86.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
Mask: Full Service
Latitude: 33 43 50.90 N (NAD83)
Longitude: 79 4 31.40 W
Height AMSL: 16.8 m
HAAT: 0.0 m
Peak ERP: 0.200 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 150.0 deg
Elev Pattnr: Generic

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	9.0 m	3.1 km
45.0	0.000	7.6	2.8
90.0	0.014	8.9	6.6
135.0	0.163	10.4	12.0
180.0	0.098	11.4	10.6
225.0	0.002	10.4	3.9
270.0	0.002	11.8	3.8
315.0	0.000	6.7	2.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 10 m

Distance to Canadian border: 930.0 km

Distance to Mexican border: 1920.6 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 273.2 degrees Distance: 521.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 294.7 degrees Distance: 2419.5 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: 0.10 km

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

--

Interference to proposal scenario 1
2.70% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W15ES-D	D15	LD	CP	MYRTLE BEACH, SC		
Undesireds:	WDDZ-LD	D15	LD	LIC	AUGUSTA, GA	BLANK0000158634	292.4 km
	W15EB-D	D15	DC	CP	CHARLOTTE, NC	BLANK0000127538	232.1
	WRAZ	D15	DT	LIC	RALEIGH, NC	BLANK0000143683	221.8
	WILM-LD	D15	LD	LIC	WILMINGTON, NC	BLANK0000055240	102.0
	W15DO-D	D15	LD	LIC	NORFOLK, VA	BLANK0000120726	296.5

Service area	Terrain-limited	IX-free	Percent IX
136.6 27,988	136.6 27,988	130.7 27,231	4.35 2.70

Undesired	Total IX	Unique IX	Prcnt Unique IX
WRAZ D15 DT LIC 5.0 733 5.0 733 3.62 2.62			
WILM-LD D15 LD LIC 1.0 24 1.0 24 0.72 0.09			