tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: MyrtleBeach15d0.2kwinceltiat150ff #1567, Model: Longley-Rice
Start: 2021.11.25 20:14:11

Study created: 2021.11.25 20:14:11

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

    Proposal: W14EZ-D D14 LD CP MYRTLE BEACH, SC
 Facility ID: 185604
Station data: User record
   Record ID: 1341
     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	449.7 km
No	WDMN-LD	D14	LD	CP	AUGUSTA, GA	BMPDTL20140528ACX	290.1
No	W31FE-D	N14+	TX	LIC	Savannah, GA	BLTT20040915ADW	361.0
No	WRDC	D14	DT	LIC	DURHAM, NC	BLANK0000125503	221.8
No	WHKY-TV	D14	DD	LIC	HICKORY, NC	BLANK0000109333	273.4
No	WECE-LD	D14	LD	CP	WILMINGTON, NC	BLANK0000157772	103.3
No	WSCG-LD	D14+	LD	LIC	BEAUFORT, ETC., SC	BLANK0000063818	214.2
No	WLFG	D14	DD	LIC	GRUNDY, VA	BLANK0000071597	439.2
No	WNLO-CD	D14	DC	LIC	NORFOLK, VA	BLANK0000125110	414.8
No	WRAZ	D15	DT	LIC	RALEIGH, NC	BLANK0000143683	221.8
No	WILM-LD	D15	LD	LIC	WILMINGTON, NC	BLANK0000055240	102.0
No	WLTX	D15	DT	LIC	COLUMBIA, SC	BLANK0000082085	161.0
No	W15DC-D	D15	LD	CP	FLORENCE, SC	BLANK0000036248	74.6
Yes	W15ES-D	D15	LD	CP	MYRTLE BEACH, SC	BLANK0000154524	19.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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    Channel: D14
       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) 270.0 deg
Elev Pattrn: Generic

48.7 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg  0.000 kW     9.0 m    2.2 km
 45.0      0.002        7.6      3.8
 90.0      0.000        8.9      2.9
135.0      0.001       10.4      3.5
180.0      0.000       11.4      2.3
225.0      0.043       10.4      8.7
270.0      0.200       11.8     12.7
315.0      0.040        6.7      8.6

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


Study cell size: 1.00 km
Profile point spacing: 0.10 km
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Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

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Interference to BLANK0000154524 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W15ES-D	D15	LD	CP	MYRTLE BEACH, SC	BLANK0000154524	
Undesireds:	W14EZ-D	D14	LD	CP	MYRTLE BEACH, SC		19.2 km
	WDDZ-LD	D15	LD	LIC	AUGUSTA, GA	BLANK0000158634	311.3
	W15EB-D	D15	DC	CP	CHARLOTTE, NC	BLANK0000127538	241.3
	WRAZ	D15	DT	LIC	RALEIGH, NC	BLANK0000143683	212.5
	WILM-LD	D15	LD	LIC	WILMINGTON, NC	BLANK0000055240	84.5
	W15DO-D	D15	LD	LIC	NORFOLK, VA	BLANK0000120726	280.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
832.5	149,932	832.5	149,932	716.6	140,277	715.7	140,277	0.14
0.00								

Undesired	Total IX		Unique IX, before		Unique IX, after	
W14EZ-D D14 LD CP	4.9	95			1.0	0
WRAZ D15 DT LIC	47.6	3,175	20.8	0	20.8	0
WILM-LD D15 LD LIC	95.1	9,655	68.3	6,480	64.3	6,385

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W14EZ-D	D14	LD	CP	MYRTLE BEACH, SC		
Undesireds:	WRDC	D14	DT	LIC	DURHAM, NC	BLANK0000125503	221.8 km

Service area		Terrain-limited		IX-free		Percent IX	
140.5	3,287	140.5	3,287	138.5	3,287	1.41	0.00

Undesired		Total IX		Unique IX	Prcnt Unique IX
WRDC D14 DT LIC	2.0	0	2.0	0	1.41	0.00