tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: florence35d8kwinceltiat0f, Model: Longley-Rice
Start: 2021.09.21 14:04:37

Study created: 2021.09.21 14:04:37

Study build station data: LMS TV 2021-09-21

    Proposal: W30DH-D D35 LD CP FLORENCE, SC
 Facility ID: 185608
Station data: User record
   Record ID: 1121
     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	WPEM-LD	D34	LD	LIC	LUMBERTON, NC	BLANK0000121677	104.5 km
No	WPEM-LD	D34	LD	CP	LUMBERTON, NC	BLANK0000124896	104.5
No	WYBE-CD	D34	DC	LIC	PINEHURST, NC	BLANK0000080833	143.1
No	WITN-TV	D34	DT	LIC	WASHINGTON, NC	BLANK0000091433	265.2
No	WIDO-LD	D34	LD	CP	WILMINGTON, NC	BLANK0000157775	142.0
Yes	WGWG	D34	DT	LIC	CHARLESTON, SC	BLCDT20060630ADJ	108.0
No	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	161.6
No	WUVG-DT	D35	LD	LIC	ATHENS, GA	BLANK0000081844	344.8
No	W35DV-D	D35	LD	CP	AUGUSTA, GA	BLANK0000157805	239.3
No	W35DV-D	D35	LD	LIC	AUGUSTA, GA	BLANK0000159156	239.3
No	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	257.5
No	W35BB-D	D35	LD	LIC	DUBLIN, GA	BLDTL20141230AAP	330.8
No	W35DT-D	D35	LD	LIC	BEAVER DAM, NC	BLANK0000114227	314.9
No	W35CO-D	D35-	LD	LIC	BURNSVILLE, NC	BLANK0000137595	329.3
Yes	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK0000113927	219.9
No	W35DW-D	D35	LD	CP	GREENVILLE, NC	BLANK0000138317	272.4
No	W35CK-D	D35	LD	LIC	HIGHLANDS, NC	BLANK0000130265	348.3
No	WTMV-LD	D35	LD	LIC	OGDEN, NC	BLANK0000058471	178.5

No	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	252.3
No	W35EB-D	D35	LD	CP	MYRTLE BEACH, SC	BLANK0000154531	74.8
No	WCYB-TV	D35	LD	CP	BRISTOL, VA	BLANK0000054449	359.5
No	WCYB-TV	D35	DT	CP	BRISTOL, VA	BLANK0000153389	359.5
No	WJDW-LD	D35	LD	LIC	TAZEWELL, VA	BLDTL20110525ADU	402.7
No	WFXG	D36	DT	LIC	AUGUSTA, GA	BLANK0000081277	206.5
No	W36FB-D	D36	LD	CP	BISCOE, NC	BLANK0000150304	154.1
No	W36FB-D	D36	LD	LIC	BISCOE, NC	BLANK0000158802	154.1
No	WEPX-TV	D36	DT	LIC	GREENVILLE, NC	BLANK0000090758	270.2
No	WFXB	D36	DT	LIC	MYRTLE BEACH, SC	BLANK0000081825	56.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D35
       Mask: Stringent
   Latitude:  33 53 46.40 N (NAD83)
  Longitude:  79 40 40.60 W
Height AMSL: 34.8 m
       HAAT: 0.0 m
   Peak ERP: 8.00 kW
    Antenna: ELTI-ELTI UHF Panel (ID 1008435) 0.0 deg
Elev Pattrn: Generic
```

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	8.00 kW	10.6 m	26.7 km
45.0	1.61	11.4	19.3
90.0	0.006	15.6	4.9
135.0	0.061	16.6	8.5
180.0	0.020	16.1	6.5
225.0	0.043	13.7	7.8
270.0	0.007	10.1	5.0
315.0	1.71	8.9	19.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 13 m

Distance to Canadian border: 897.0 km

Distance to Mexican border: 1876.3 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 270.9 degrees Distance: 465.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 294.5 degrees Distance: 2361.2 km

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 BLCDT20060630ADJ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGWG	D34	DT	LIC	CHARLESTON, SC	BLCDT20060630ADJ	
Undesireds:	W30DH-D	D35	LD	CP	FLORENCE, SC		108.0 km
	WITN-TV	D34	DT	LIC	WASHINGTON, NC	BLANK0000091433	344.4
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	245.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
32663.0	990,480	32663.0	990,480	32660.0	990,480	32650.1	990,209	0.03	0.03

Undesired	Total IX	Unique IX, before	Unique IX, after
W30DH-D D35 LD CP	9.9 271	9.9	271

WITN-TV D34 DT LIC	2.0	0	1.0	0	1.0	0
WNSC-TV D34 DT LIC	2.0	0	1.0	0	1.0	0

Interference to BLANK0000113927 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK0000113927	
Undesireds:	W30DH-D	D35	LD	CP	FLORENCE, SC		219.9 km
	WYBE-CD	D34	DC	LIC	PINEHURST, NC	BLANK0000080833	87.0
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	156.6
	WSLS-TV	D34	DT	LIC	ROANOKE, VA	BLANK0000081215	150.4
	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	259.1
	WCYB-TV	D35	DT	CP	BRISTOL, VA	BLANK0000153389	213.5
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	264.1
	WUNE-TV	D36	DT	LIC	LINVILLE, NC	BLANK0000111606	181.4
	WBFT-CD	D36	DC	LIC	SANFORD, NC	BLANK0000124673	77.4
	WFXB	D36	DT	LIC	MYRTLE BEACH, SC	BLANK0000081825	196.2
	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	150.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
42604.3	4,800,083	41779.3	4,752,874	40807.2	4,573,578	40806.2	4,573,554	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
W30DH-D D35 LD CP	5.0	26			1.0	24
WYBE-CD D34 DC LIC	3.0	786	3.0	786	3.0	786
WNSC-TV D34 DT LIC	56.8	66,101	17.9	17,315	17.9	17,315
WSLS-TV D34 DT LIC	45.1	3,676	13.0	979	13.0	979
WMYA-TV D35 DT LIC	205.6	110,674	121.8	56,758	120.8	56,756
WCYB-TV D35 DT CP	192.3	19,352	80.2	9,419	80.2	9,419
WVIR-CD D35 DC LIC	15.0	217	5.0	96	5.0	96
WUNE-TV D36 DT LIC	222.2	13,493	168.1	9,887	168.1	9,887
WBFT-CD D36 DC LIC	238.8	18,693	238.8	18,693	238.8	18,693
WFXB D36 DT LIC	142.1	4,020	113.1	3,523	113.1	3,523
WFXR D36 DT LIC	56.1	4,389	24.1	1,696	24.1	1,696

Interference to BLANK0000113927 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK0000113927	
Undesireds:	W30DH-D	D35	LD	CP	FLORENCE, SC		219.9 km
	WYBE-CD	D34	DC	LIC	PINEHURST, NC	BLANK0000080833	87.0
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	156.6
	WSLS-TV	D34	DT	LIC	ROANOKE, VA	BLANK0000081215	150.4
	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	259.1
	WCYB-TV	D35	DT	BL	BRISTOL, VA	DTVBL2455	213.5
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	264.1
	WUNE-TV	D36	DT	LIC	LINVILLE, NC	BLANK0000111606	181.4
	WBFT-CD	D36	DC	LIC	SANFORD, NC	BLANK0000124673	77.4
	WFXB	D36	DT	LIC	MYRTLE BEACH, SC	BLANK0000081825	196.2
	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	150.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
42604.3	4,800,083	41779.3	4,752,874	40810.2	4,574,104	40809.2	4,574,080	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
W30DH-D D35 LD CP	5.0	26				1.0	24
WYBE-CD D34 DC LIC	3.0	786	3.0	786	3.0	786	
WNSC-TV D34 DT LIC	56.8	66,101	17.9	17,315	17.9	17,315	
WSLS-TV D34 DT LIC	45.1	3,676	13.0	979	13.0	979	
WMYA-TV D35 DT LIC	205.6	110,674	125.7	58,753	124.7	58,751	
WCYB-TV D35 DT BL	180.3	16,642	77.2	8,893	77.2	8,893	
WVIR-CD D35 DC LIC	15.0	217	5.0	96	5.0	96	
WUNE-TV D36 DT LIC	222.2	13,493	169.2	9,902	169.2	9,902	
WBFT-CD D36 DC LIC	238.8	18,693	238.8	18,693	238.8	18,693	
WFXB D36 DT LIC	142.1	4,020	117.1	3,697	117.1	3,697	
WFXR D36 DT LIC	56.1	4,389	24.1	1,696	24.1	1,696	

Interference to proposal scenario 1
19.76% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance

Desired:	W30DH-D	D35	LD	CP	FLORENCE, SC		
Undesireds:	WPEM-LD	D34	LD	LIC	LUMBERTON, NC	BLANK0000121677	104.5 km
	W35DV-D	D35	LD	CP	AUGUSTA, GA	BLANK0000157805	239.3
	WFXB	D36	DT	LIC	MYRTLE BEACH, SC	BLANK0000081825	56.0

Service area		Terrain-limited		IX-free		Percent IX	
662.8	20,816	662.8	20,816	607.6	16,702	8.33	19.76

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WFXB D36 DT LIC	55.2	4,114	55.2	4,114	8.33	19.76