tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WVUP-CD 15 kW App A, Model: Longley-Rice
Start: 2019.12.10 11:38:12

Study created: 2019.12.10 11:38:12

Study build station data: LMS TV 2019-12-10

    Proposal: WVUP-CD D30 DC APP TALLAHASSEE, FL
 File number: WVUP-CD 15 kW App A
 Facility ID: 3032
Station data: User record
   Record ID: 2804
     Country: U.S.

Build options:
Protect LPTV records from Class A

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W23AQ	N23-	TX	LIC	LAKE CITY, FL	BLTT19931215JE	146.7 km
No	W29FJ-D	D29	LD	CP	DOTHAN, AL	BLANK0000071839	147.8
No	WFBD	D29	DT	CP	DESTIN, FL	BLANK0000027353	245.0
No	WFBD	D29	DT	BL	DESTIN, FL	DTVBL81669	245.0
No	WGFL	D29	DT	CP	HIGH SPRINGS, FL	BLANK0000034417	188.6
No	WGFL	D29	DT	BL	HIGH SPRINGS, FL	DTVBL7727	188.6
No	W29EK-D	D29	LD	CP	MADISON, FL	BNPDTL20100513ALL	97.2
No	NEW	D29	LD	APP	PANAMA CITY, FL	BNPDTL20090825BWY	165.2
No	W48DU-D	D29	LD	CP	ALBANY, GA	BLANK0000052013	97.1
No	W29ED-D	D29	LD	CP	ASHBURN, GA	BNPDTL20100510ABD	139.7
No	W43CW-D	D29	LD	CP	COLUMBUS, GA	BLANK0000052929	202.0
No	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLCDT20021219AAV	406.0
No	W30BD	N30z	TX	LIC	EUFAULA, AL	BLTTL19960628JF	174.2
Yes	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	172.9
No	WEIQ	D30	DT	CP	MOBILE, AL	BLANK0000027848	353.1
No	WEIQ	D30	DT	BL	MOBILE, AL	DTVBL721	353.1
No	W30EL-D	D30	LD	CP	MONTGOMERY, AL	BLANK0000071793	272.8
Yes	K30QJ-D	D30	LD	CP	CHATTAHOOCHEE, FL	BNPDTL20090825AHT	66.1
No	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	374.1
No	W30EE-D	D30	LD	LIC	JACKSONVILLE, FL	BLANK0000090922	245.3
No	W30EM-D	D30	LD	CP	OCALA, FL	BLANK0000071927	197.7
No	W45DJ-D	D30	LD	CP	PANAMA CITY, FL	BLANK0000054792	157.7
No	W30CY-D	D30	LD	CP	PONCE DE LEON, FL	BNPDTL20090825AUT	167.2
Yes	NEW	D30	LD	APP	TALLAHASSEE, FL	BNPDTL20090825AXO	15.7
Yes	NEW	D30	LD	APP	TALLHASSEE, FL	BNPDTL20090825AJK	12.2
No	WRMD-CD	D30	DC	LIC	TAMPA, FL	BLANK0000091495	356.7
No	WBUD-LD	D30	LD	CP	Atlanta, GA	BLANK0000071622	359.6
No	WTBS-LD	D30	LD	LIC	ATLANTA, GA	BLDTL20110105ABR	359.6
No	WAGT-CD	D30	DC	LIC	AUGUSTA, GA	BLANK0000063630	385.9
No	WMGT-TV	D30	DT	LIC	MACON, GA	BLANK0000075816	249.7
Yes	NEW	D30	LD	APP	TALLAHASSEE, GA	BNPDTL20090825AAK	12.2
No	W30DW-D	D30	LD	LIC	TIFTON, GA	BLDTT20141124ARP	112.4
Yes	WVCZ-LD	D30	LD	LIC	VALDOSTA, GA	BLANK0000001216	83.4
Yes	WVCZ-LD	D30	LD	CP	VALDOSTA, GA	BLANK0000001343	84.9
No	W30CV-D	D30	DC	LIC	HILTON HEAD ISLAND, SC	BLDTL20110110AAR	370.7
No	W31EB-D	D31	LD	CP	MIDLAND CITY, AL	BNPDTL20100510ALJ	151.5
No	WPAN	D31	DT	BL	FORT WALTON BEACH, FL	DTVBL31570	268.0
No	K31PL-D	D31	LD	CP	MADISON, FL	BNPDTL20090825AHL	64.3
No	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	225.4
No	W31EP-D	D31	LD	CP	PANAMA CITY, FL	BLANK0000072005	142.1
Yes	WDDM-LD	D31	LD	LIC	TALLAHASSEE, FL	BLANK0000001335	45.8
No	W31DS-D	D31	LD	CP	ASHBURN, GA	BNPDTL20100510ABE	139.7
Yes	WSWG	D31	DT	LIC	VALDOSTA, GA	BLANK0000063722	103.8
No	W31EE-D	D31	LD	CP	VALDOSTA, GA	BNPDTL20090825CAJ	84.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D30
       Mask: Stringent
   Latitude: 30 34 28.00 N (NAD83)
  Longitude: 84 12 9.00 W
Height AMSL: 304.0 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW

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    Antenna: Omnidirectional
Elev Pattrn: Generic
  Elec Tilt: 0.50

50.3 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg   15.0 kW   254.4 m   53.7 km
 45.0       15.0       257.0     53.8
 90.0       15.0       253.0     53.6
135.0       15.0       263.8     54.2
180.0       15.0       268.6     54.5
225.0       15.0       258.5     53.9
270.0       15.0       260.0     54.0
315.0       15.0       264.4     54.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 260 m

Distance to Canadian border: 1241.5 km

Distance to Mexican border: 1345.0 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 352.5 degrees   Distance: 368.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 304.9 degrees   Distance: 2173.3 km
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Study cell size: 2.00 km
Profile point spacing: 0.50 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 BLANK0000067031 LIC scenario 1

             Call      Chan  Svc Status  City, State              File Number             Distance
Desired:     WGIQ      D30   DT  LIC     LOUISVILLE, AL           BLANK0000067031

Undesireds:  WVUP-CD   D30   DC  BL      TALLAHASSEE, FL          DTVBL3032               172.9 km
             WVUP-CD   D30   DC  APP     TALLAHASSEE, FL          WVUP-CD 15 kW App A     172.9
             WFBD      D29   DT  CP      DESTIN, FL               BLANK0000027353         146.0
             WIAT      D30   DT  LIC     BIRMINGHAM, AL           BLCDT20021219AAV        234.7
             WEIQ      D30   DT  CP      MOBILE, AL               BLANK0000027848         261.7
             WDGA-CD   D30   DC  CP      DALTON, GA               BLANK0000028635         337.4
             WMGT-TV   D30   DT  LIC     MACON, GA                BLANK0000075816         210.2
             WNCF      D31   DT  LIC     MONTGOMERY, AL           BLANK0000001319         135.6

        Service area       Terrain-limited       IX-free, before        IX-free, after    Percent New IX
 18888.9     363,849   18844.5     363,834   18671.5     363,190   18667.5     363,132     0.02     0.02

Undesired                          Total IX     Unique IX, before      Unique IX, after
WVUP-CD D30 DC BL          8.0          35       4.0          24
WVUP-CD D30 DC APP        16.0          93                     8.0          82
WIAT D30 DT LIC          128.7         550      64.5         371      64.5         371
WEIQ D30 DT CP            39.9         171       7.9           6       7.9           6
WMGT-TV D30 DT LIC        12.0          32       4.1           7       4.1           7
WNCF D31 DT LIC           60.7          57      24.3          46      24.3          46

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Interference to BLANK0000067031 LIC scenario 2

             Call      Chan  Svc Status  City, State              File Number             Distance
Desired:     WGIQ      D30   DT  LIC     LOUISVILLE, AL           BLANK0000067031

Undesireds:  WVUP-CD   D30   DC  BL      TALLAHASSEE, FL          DTVBL3032               172.9 km
             WVUP-CD   D30   DC  APP     TALLAHASSEE, FL          WVUP-CD 15 kW App A     172.9
             WFBD      D29   DT  CP      DESTIN, FL               BLANK0000027353         146.0
             WIAT      D30   DT  LIC     BIRMINGHAM, AL           BLCDT20021219AAV        234.7
             WEIQ      D30   DT  BL      MOBILE, AL               DTVBL721                261.7
             WDGA-CD   D30   DC  CP      DALTON, GA               BLANK0000028635         337.4
             WMGT-TV   D30   DT  LIC     MACON, GA                BLANK0000075816         210.2
             WNCF      D31   DT  LIC     MONTGOMERY, AL           BLANK0000001319         135.6
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Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
18888.9	363,849	18844.5	363,834	18671.5	363,190	18667.5	363,132	0.02	0.02

Undesired		Total IX		Unique IX, before		Unique IX, after	
WVUP-CD D30 DC BL	8.0	35		4.0	24		
WVUP-CD D30 DC APP	16.0	93				8.0	82
WIAT D30 DT LIC	128.7	550		68.5	380	68.5	380
WEIQ D30 DT BL	35.9	162		7.9	6	7.9	6
WMGT-TV D30 DT LIC	12.0	32		4.1	7	4.1	7
WNCF D31 DT LIC	60.7	57		24.3	46	24.3	46

Interference to BNPDTL20090825AHT CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K30QJ-D	D30	LD	CP	CHATTAHOOCHEE, FL	BNPDTL20090825AHT	
Undesireds:	WVUP-CD	D30	DC	BL	TALLAHASSEE, FL	DTVBL3032	66.1 km
	WVUP-CD	D30	DC	APP	TALLAHASSEE, FL	WVUP-CD 15 kW App A	66.1
	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	131.7
	W45DJ-D	D30	LD	CP	PANAMA CITY, FL	BLANK0000054792	98.6
	NEW	D30	LD	APP	TALLHASSEE, FL	BNPDTL20090825AJK	59.8
	NEW	D30	LD	APP	TALLAHASSEE, GA	BNPDTL20090825AAK	59.8
	WVCZ-LD	D30	LD	LIC	VALDOSTA, GA	BLANK0000001216	147.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1775.3	30,172	1771.3	30,172	1455.4	24,858	1451.4	24,830	0.28	0.11

Undesired		Total IX		Unique IX, before		Unique IX, after	
WVUP-CD D30 DC BL	176.0	4,001		8.0	68		
WVUP-CD D30 DC APP	204.0	4,298				12.0	96
WGIQ D30 DT LIC	191.9	2,972		75.9	794	75.9	794
W45DJ-D D30 LD CP	4.0	0		0.0	0	0.0	0
NEW D30 LD APP	212.0	4,397		4.0	10	0.0	0
NEW D30 LD APP	200.1	4,342		0.0	0	0.0	0

Interference to BNPDTL20090825AXO APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	NEW	D30	LD	APP	TALLAHASSEE, FL	BNPDTL20090825AXO	
Undesireds:	WVUP-CD	D30	DC	BL	TALLAHASSEE, FL	DTVBL3032	15.7 km
	WVUP-CD	D30	DC	APP	TALLAHASSEE, FL	WVUP-CD 15 kW App A	15.7
	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	176.9
	K30QJ-D	D30	LD	CP	CHATTAHOOCHEE, FL	BNPDTL20090825AHT	59.9
	NEW	D30	LD	APP	TALLHASSEE, FL	BNPDTL20090825AJK	3.8
	NEW	D30	LD	APP	TALLAHASSEE, GA	BNPDTL20090825AAK	3.8
	WVCZ-LD	D30	LD	LIC	VALDOSTA, GA	BLANK0000001216	95.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1943.4	293,989	1943.4	293,989	228.2	60,295	228.2	60,295	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WVUP-CD D30 DC BL	1655.1	197,076		28.0	10,884		
WVUP-CD D30 DC APP	1663.1	201,315				28.0	10,884
WGIQ D30 DT LIC	4.0	402		0.0	0	0.0	0
K30QJ-D D30 LD CP	4.0	402		0.0	0	0.0	0
NEW D30 LD APP	1683.1	215,527		4.0	0	4.0	0
NEW D30 LD APP	1679.1	222,032		4.0	7,283	4.0	7,283

Interference to BNPDTL20090825AJK APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	NEW	D30	LD	APP	TALLHASSEE, FL	BNPDTL20090825AJK	
Undesireds:	WVUP-CD	D30	DC	BL	TALLAHASSEE, FL	DTVBL3032	12.2 km
	WVUP-CD	D30	DC	APP	TALLAHASSEE, FL	WVUP-CD 15 kW App A	12.2
	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	174.6
	K30QJ-D	D30	LD	CP	CHATTAHOOCHEE, FL	BNPDTL20090825AHT	59.8
	NEW	D30	LD	APP	TALLAHASSEE, FL	BNPDTL20090825AXO	3.8
	NEW	D30	LD	APP	TALLAHASSEE, GA	BNPDTL20090825AAK	0.0
	WVCZ-LD	D30	LD	LIC	VALDOSTA, GA	BLANK0000001216	93.7
	WDDM-LD	D31	LD	LIC	TALLAHASSEE, FL	BLANK0000001335	34.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
6910.9	366,435	6882.9	366,366	539.9	30,212	539.9	30,212	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WVUP-CD D30 DC BL	5998.8	251,291	20.0	4,557			
WVUP-CD D30 DC APP	6006.9	255,927			20.0	4,557	
WGIQ D30 DT LIC	43.9	274	0.0	0	0.0	0	
K30QJ-D D30 LD CP	140.0	1,865	0.0	0	0.0	0	
NEW D30 LD APP	3561.2	172,496	0.0	0	0.0	0	
NEW D30 LD APP	6315.0	330,646	236.2	72,628	232.1	67,981	
WDDM-LD D31 LD LIC	12.0	0	0.0	0	0.0	0	

Interference to BNPDTL20090825AAK APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	NEW	D30	LD	APP	TALLAHASSEE, GA	BNPDTL20090825AAK	
Undesireds:	WVUP-CD	D30	DC	BL	TALLAHASSEE, FL	DTVBL3032	12.2 km
	WVUP-CD	D30	DC	APP	TALLAHASSEE, FL	WVUP-CD 15 kW App A	12.2
	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	174.6
	K30QJ-D	D30	LD	CP	CHATTAHOOCHEE, FL	BNPDTL20090825AHT	59.8
	NEW	D30	LD	APP	TALLAHASSEE, FL	BNPDTL20090825AXO	3.8
	NEW	D30	LD	APP	TALLHASSEE, FL	BNPDTL20090825AJK	0.0
	WVCZ-LD	D30	LD	LIC	VALDOSTA, GA	BLANK0000001216	93.7
	WDDM-LD	D31	LD	LIC	TALLAHASSEE, FL	BLANK0000001335	34.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7453.3	389,438	7425.3	389,341	639.8	38,807	639.8	38,807	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WVUP-CD D30 DC BL	6345.3	226,333	0.0	0			
WVUP-CD D30 DC APP	6373.3	248,424			0.0	0	
WGIQ D30 DT LIC	43.9	279	0.0	0	0.0	0	
K30QJ-D D30 LD CP	148.0	2,446	0.0	0	0.0	0	
NEW D30 LD APP	3393.7	139,344	0.0	0	0.0	0	
NEW D30 LD APP	6785.5	350,534	352.2	109,885	332.1	89,318	
WDDM-LD D31 LD LIC	20.1	0	0.0	0	0.0	0	

Interference to BLANK0000001216 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVCZ-LD	D30	LD	LIC	VALDOSTA, GA	BLANK0000001216	
Undesireds:	WVUP-CD	D30	DC	BL	TALLAHASSEE, FL	DTVBL3032	83.4 km
	WVUP-CD	D30	DC	APP	TALLAHASSEE, FL	WVUP-CD 15 kW App A	83.4
	W31EE-D	D31	LD	CP	VALDOSTA, GA	BNPDTL20090825CAJ	5.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
135.7	32,186	135.7	32,186	71.9	2,381	71.9	2,381	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WVUP-CD D30 DC BL	12.0	120	12.0	120			
WVUP-CD D30 DC APP	12.0	120			12.0	120	
W31EE-D D31 LD CP	51.9	29,685	51.9	29,685	51.9	29,685	

Interference to BLANK0000001343 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVCZ-LD	D30	LD	CP	VALDOSTA, GA	BLANK0000001343	
Undesireds:	WVUP-CD	D30	DC	BL	TALLAHASSEE, FL	DTVBL3032	84.9 km
	WVUP-CD	D30	DC	APP	TALLAHASSEE, FL	WVUP-CD 15 kW App A	84.9
	W31EE-D	D31	LD	CP	VALDOSTA, GA	BNPDTL20090825CAJ	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
757.6	93,534	757.6	93,534	526.3	51,039	526.3	51,039	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WVUP-CD D30 DC BL	8.0	334	8.0	334			
WVUP-CD D30 DC APP	12.0	339			8.0	334	
W31EE-D D31 LD CP	223.3	42,161	223.3	42,161	219.3	42,156	

Interference to BLANK0000001335 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDDM-LD	D31	LD	LIC	TALLAHASSEE, FL	BLANK0000001335	
Undesireds:	WVUP-CD	D30	DC	BL	TALLAHASSEE, FL	DTVBL3032	45.9 km

	WVUP-CD	D30	DC	APP	TALLAHASSEE, FL	WVUP-CD 15 kW App A	45.8
	K30QJ-D	D30	LD	CP	CHATTAHOOCHEE, FL	BNPDTL20090825AHT	40.2
	NEW	D30	LD	APP	TALLAHASSEE, FL	BNPDTL20090825AXO	32.1
	NEW	D30	LD	APP	TALLHASSEE, FL	BNPDTL20090825AJK	34.4
	NEW	D30	LD	APP	TALLAHASSEE, GA	BNPDTL20090825AAK	34.4
	WVCZ-LD	D30	LD	LIC	VALDOSTA, GA	BLANK0000001216	127.9
	W31EP-D	D31	LD	CP	PANAMA CITY, FL	BLANK0000072005	97.5
	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
4724.4	257,246	4720.4	257,243	1603.7	71,661	1603.7	71,661	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WVUP-CD D30 DC BL	104.1	15,670	0.0	0		
WVUP-CD D30 DC APP	120.1	16,690			0.0	0
K30QJ-D D30 LD CP	4.0	105	0.0	0	0.0	0
NEW D30 LD APP	24.0	19,378	0.0	0	0.0	0
NEW D30 LD APP	188.2	71,427	0.0	0	0.0	0
NEW D30 LD APP	208.2	75,454	0.0	0	0.0	0
W31EP-D D31 LD CP	28.1	146	0.0	0	0.0	0
WFSU-TV D32 DT LIC	3116.6	185,582	2856.4	104,970	2856.4	104,970

Interference to BLANK0000063722 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSWG	D31	DT	LIC	VALDOSTA, GA	BLANK0000063722	
Undesireds:	WVUP-CD	D30	DC	BL	TALLAHASSEE, FL	DTVBL3032	103.8 km
	WVUP-CD	D30	DC	APP	TALLAHASSEE, FL	WVUP-CD 15 kW App A	103.8
	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	340.6
	WPCH-TV	D31	DT	LIC	ATLANTA, GA	BLANK0000081575	306.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
15180.1	381,004	15176.1	380,910	15116.2	380,409	15112.2	380,361	0.03	0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
WVUP-CD D30 DC BL	24.0	118	24.0	118		
WVUP-CD D30 DC APP	28.0	166			28.0	166
WNCF D31 DT LIC	23.8	219	15.9	129	15.9	129
WPCH-TV D31 DT LIC	20.1	254	12.2	164	12.2	164

Interference to proposal scenario 1
0.81% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVUP-CD	D30	DC	APP	TALLAHASSEE, FL	WVUP-CD 15 kW App A	
Undesireds:	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	172.9 km
	WEIQ	D30	DT	CP	MOBILE, AL	BLANK0000027848	353.1

Service area		Terrain-limited		IX-free		Percent IX	
9143.5	443,743	9139.5	443,743	8999.8	440,151	1.53	0.81

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WGIQ D30 DT LIC	139.7	3,592	139.7	3,592	1.53	0.81