

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-18-2001 Time: 09:22:02

Record Selected for Analysis

AMKA CUR -PROPOSED Proposed FL US
 Channel 43 ERP 40.0 kW HAAT 00103 m RCAMSL 00135 m
 Latitude 028-15-42 Longitude 0082-43-54
 Status Zone Border Offset
 Dir Antenna Make CDB Model 00000000000001 Beam tilt Y Ref Azimuth 0.0
 Last update 00000000 Cutoff date 00000000 Docket
 Comments
 Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Azimuth (Deg)	ERP (kW)	HAAT (m)	64.4 dBu F(50,50) (km)
0.0	40.000	134.8	37.2
45.0	40.000	128.5	36.6
90.0	40.000	126.7	36.5
135.0	40.000	126.9	36.5
180.0	40.000	130.6	36.8
225.0	40.000	134.9	37.2
270.0	40.000	135.0	37.2
315.0	40.000	135.0	37.2

Evaluation toward Class A Stations

Contour overlap to Class A station
 WJXE-LP 43 GAINESVILLE FL BPTTL JG0601QD
 D/U ratio at contour 44.9 dB
 Offset Proposed Offset Class A - Required D/U ratio: 45.0
 Radial 70.0 degrees
 Bearing to point on contour 15.8 degrees
 D/U ratio at contour 44.5 dB
 Radial 80.0 degrees
 Bearing to point on contour 16.3 degrees
 D/U ratio at contour 44.1 dB
 Radial 90.0 degrees
 Bearing to point on contour 16.7 degrees
 D/U ratio at contour 43.6 dB
 Radial 100.0 degrees
 Bearing to point on contour 17.2 degrees
 D/U ratio at contour 43.0 dB
 Radial 110.0 degrees
 Bearing to point on contour 17.5 degrees

D/U ratio at contour 42.4 dB
Radial 120.0 degrees
Bearing to point on contour 17.6 degrees
D/U ratio at contour 41.8 dB
Radial 130.0 degrees
Bearing to point on contour 17.5 degrees
D/U ratio at contour 41.3 dB
Radial 140.0 degrees
Bearing to point on contour 17.1 degrees
D/U ratio at contour 40.7 dB
Radial 150.0 degrees
Bearing to point on contour 16.5 degrees
D/U ratio at contour 40.2 dB
Radial 160.0 degrees
Bearing to point on contour 15.6 degrees
D/U ratio at contour 39.8 dB
Radial 170.0 degrees
Bearing to point on contour 14.5 degrees
D/U ratio at contour 39.5 dB
Radial 180.0 degrees
Bearing to point on contour 13.2 degrees
D/U ratio at contour 39.5 dB
Radial 190.0 degrees
Bearing to point on contour 11.7 degrees
D/U ratio at contour 39.5 dB
Radial 200.0 degrees
Bearing to point on contour 10.3 degrees
D/U ratio at contour 39.8 dB
Radial 210.0 degrees
Bearing to point on contour 9.0 degrees
D/U ratio at contour 40.1 dB
Radial 220.0 degrees
Bearing to point on contour 7.8 degrees
D/U ratio at contour 40.6 dB
Radial 230.0 degrees
Bearing to point on contour 6.9 degrees
D/U ratio at contour 41.1 dB
Radial 240.0 degrees
Bearing to point on contour 6.3 degrees
D/U ratio at contour 41.7 dB
Radial 250.0 degrees
Bearing to point on contour 5.9 degrees
D/U ratio at contour 42.3 dB
Radial 260.0 degrees
Bearing to point on contour 5.8 degrees
D/U ratio at contour 42.8 dB
Radial 270.0 degrees
Bearing to point on contour 5.8 degrees
D/U ratio at contour 43.3 dB
Radial 280.0 degrees
Bearing to point on contour 6.0 degrees
D/U ratio at contour 43.8 dB
Radial 290.0 degrees
Bearing to point on contour 6.2 degrees
D/U ratio at contour 44.3 dB
Radial 300.0 degrees
Bearing to point on contour 6.6 degrees

D/U ratio at contour 44.7 dB
 Radial 310.0 degrees
 Bearing to point on contour 7.0 degrees

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations
 Proposed facility OK toward West Virginia quite zone
 Proposed facility OK toward Table Mountain
 Proposed facility is beyond the Canadian coordination distance
 Proposed facility is beyond the Mexican coordination distance
 Proposed station is 0.39km from AM station
 NEW PORT RICHEY FL WPSO Status: L Antenna: NDD
 Proposed station is 0.31km from AM station
 NEW PORT RICHEY FL WPSO Status: S Antenna: NDD

 Start of Interference Analysis

Channel	Call	City/State	ARN	
43	AMKA	Proposed FL	CUR	PROPOSED

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WXPX	BRADENTON FL	67.5	APP	BPCDT	-19990602KF
42	WFCT-DT	BRADENTON FL	106.0	PLN	DTVPLN	-DTVP1124
42	WTGLTV	COCOA FL	165.8	APP	BPRM	-20000412AAF
43	WGVP-DT	VALDOSTA GA	329.2	PLN	DTVPLN	-DTVP1160

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Analysis of Interference to Affected Station 1

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
42	WFCT-DT	BRADENTON FL	DTVPLN	-DTVP1124

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WZVN-DT	NAPLES FL	125.6	PLN	DTVPLN	-DTVP1093
41	WRBW-DT	ORLANDO FL	174.0	PLN	DTVPLN	-DTVP1094
42	WJXT-DT	JACKSONVILLE FL	325.5	PLN	DTVPLN	-DTVP1125
42	WXELTV	WEST PALM BEACH FL	219.3	PLN	DTVPLN	-NPLN0372

43 WBSF MELBOURNE FL 165.0 PLN DTVPLN -NPLN0373

Results for: 42A FL BRADENTON DTVPLN DTVP1124 PLN

HAAT 465.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2380101	18294.4
not affected by terrain losses	2380101	18294.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
66	WFCT	BRADENTON FL	DTVPLN	-NPLN0299

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
59	WTOG-DT	ST. PETERSBURG FL	46.9	PLN	DTVPLN	-DTVP1570
65	WRBW	ORLANDO FL	174.0	PLN	DTVPLN	-NPLN0397

Results for: 66N FL BRADENTON DTVPLN NPLN0299 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	2380101	18294.4
not affected by terrain losses	2380101	18294.4
lost to NTSC IX	822	12.0
lost to additional IX by ATV	0	0.0
lost to all IX	822	12.0

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WXPX	BRADENTON FL	BPCDT	-19990602KF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WZVN-DT	NAPLES FL	167.3	PLN	DTVPLN	-DTVP1093
41	WRBW-DT	ORLANDO FL	146.8	APP	BPCDT	-20000501ADF
41	WRBW-DT	ORLANDO FL	143.7	PLN	DTVPLN	-DTVP1094
42	WTGLTV	COCOA FL	143.7	APP	BPRM	-20000412AAF
42	WJXT-DT	JACKSONVILLE FL	281.2	PLN	DTVPLN	-DTVP1125
42	960724KQ	PALATKA FL	210.1	APP	BPET	-19960724KQ
42	960920WY	PALATKA FL	243.0	APP	BPET	-19960920WY
42	WJHG-DT	PANAMA CITY FL	422.0	PLN	DTVPLN	-DTVP1126
42	WXEL-TV	WEST PALM BEACH FL	242.7	LIC	BLET	-19820625KF
43	WBSF	MELBOURNE FL	142.9	LIC	BLCT	-19980422KG
43	AMKA	Proposed FL	67.5		CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WFCT-DT	BRADENTON FL	DTVPLN	-DTVP1124

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WZVN-DT	NAPLES FL	125.6	PLN	DTVPLN	-DTVP1093
41	WRBW-DT	ORLANDO FL	177.4	APP	BPCDT	-20000501ADF
41	WRBW-DT	ORLANDO FL	174.0	PLN	DTVPLN	-DTVP1094
42	WTGLTV	COCOA FL	174.0	APP	BPRM	-20000412AAF
42	WJXT-DT	JACKSONVILLE FL	325.5	PLN	DTVPLN	-DTVP1125
42	960724KQ	PALATKA FL	251.7	APP	BPET	-19960724KQ
42	960920WY	PALATKA FL	285.7	APP	BPET	-19960920WY
42	WXEL-TV	WEST PALM BEACH FL	219.3	LIC	BLET	-19820625KF
43	WBSF	MELBOURNE FL	165.0	LIC	BLCT	-19980422KG
43	AMKA	Proposed FL	106.0		CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WTGLTV	COCOA FL	BPRM	-20000412AAF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	960724KW	LAKE CITY FL	217.7	APP	BPET	-19960724KW
41	WRBW-DT	ORLANDO FL	3.5	APP	BPCDT	-20000501ADF
41	WRBW-DT	ORLANDO FL	0.1	PLN	DTVPLN	-DTVP1094
42	WXPX	BRADENTON FL	143.7	APP	BPCDT	-19990602KF
42	WFCT-DT	BRADENTON FL	174.0	PLN	DTVPLN	-DTVP1124
42	WJXT-DT	JACKSONVILLE FL	193.7	PLN	DTVPLN	-DTVP1125
42	960724KQ	PALATKA FL	106.9	APP	BPET	-19960724KQ
42	960920WY	PALATKA FL	144.0	APP	BPET	-19960920WY
42	WXEL-TV	WEST PALM BEACH FL	237.4	LIC	BLET	-19820625KF
43	WBSF	MELBOURNE FL	34.4	LIC	BLCT	-19980422KG
43	AMKA	Proposed FL	165.8		CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 4

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
43	WGVP-DT	VALDOSTA GA	DTVPLN	-DTVP1160

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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42	WJXT-DT	JACKSONVILLE FL	199.9	PLN	DTVPLN	-DTVP1125
42	WJHG-DT	PANAMA CITY FL	212.1	PLN	DTVPLN	-DTVP1126
43	WGIQ	LOUISVILLE AL	205.3	PLN	DTVPLN	-NPLN0082
43	WUPA-DT	ATLANTA GA	303.2	PLN	DTVPLN	-DTVP1159
44	WGIQ-DT	LOUISVILLE AL	205.3	PLN	DTVPLN	-DTVP1188
44	WJEB-DT	JACKSONVILLE FL	198.8	PLN	DTVPLN	-DTVP1194
43	WBSF	MELBOURNE FL	396.7	PLN	DTVPLN	-NPLN0373
44	WGVP	VALDOSTA GA	0.0	PLN	DTVPLN	-NPLN0487

Results for: 43A GA VALDOSTA DTVPLN DTVP1160 PLN
 HAAT 277.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	233459	11324.3
not affected by terrain losses	233459	11324.3
lost to NTSC IX	24	8.1
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	24	8.1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
44	WGVP	VALDOSTA GA	DTVPLN	-NPLN0487

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	WGIQ	LOUISVILLE AL	205.3	PLN	DTVPLN	-NPLN0082
43	WGVP-DT	VALDOSTA GA	0.0	PLN	DTVPLN	-DTVP1160
44	WGIQ-DT	LOUISVILLE AL	205.3	PLN	DTVPLN	-DTVP1188
44	WJEB-DT	JACKSONVILLE FL	198.8	PLN	DTVPLN	-DTVP1194
44	WHSB-DT	MONROE LA	291.6	PLN	DTVPLN	-DTVP1195
44	WJWJ-DT	BEAUFORT SC	305.7	PLN	DTVPLN	-DTVP1216
45	WMAZ-DT	MACON GA	176.7	PLN	DTVPLN	-DTVP1229
48	WFXU-DT	LIVE OAK FL	76.8	PLN	DTVPLN	-DTVP1319
51	WSST-DT	CORDELE GA	91.4	PLN	DTVPLN	-DTVP1405
52	WCTV-DT	THOMASVILLE GA	78.2	PLN	DTVPLN	-DTVP1434
44	WJTC	PENSACOLA FL	404.8	PLN	DTVPLN	-NPLN0374
44	WTOG	ST. PETERSBURG FL	386.3	PLN	DTVPLN	-NPLN0375
59	WJEB-TV	JACKSONVILLE FL	198.8	PLN	DTVPLN	-NPLN0394
58	WPGATV	PERRY GA	176.7	PLN	DTVPLN	-NPLN0495

Results for: 44N GA VALDOSTA DTVPLN NPLN0487 PLN
 POPULATION AREA (sq km)

within Noise Limited Contour	233459	11324.3
not affected by terrain losses	233459	11324.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	978	64.5
lost to all IX	978	64.5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WGVP-DT	VALDOSTA GA	DTVPLN	-DTVP1160

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WJXT-DT	JACKSONVILLE FL	199.9	PLN	DTVPLN	-DTVP1125

42	WJHG-DT	PANAMA CITY FL	212.1	PLN	DTVPLN	-DTVP1126
43	WGIQ	LOUISVILLE AL	205.3	LIC	BLET	-19921016KG
43	WBSF	MELBOURNE FL	396.8	LIC	BLCT	-19980422KG
43	WUPA	ATLANTA GA	300.8	CP	BPCDT	-19991029AHC
43	WUPA-DT	ATLANTA GA	303.2	PLN	DTVPLN	-DTVP1159
44	WGIQ	LOUISVILLE AL	205.3	CP MOD	BMPEDT	-20000501AIM
44	WGIQ-DT	LOUISVILLE AL	205.3	PLN	DTVPLN	-DTVP1188
44	WJEB-DT	JACKSONVILLE FL	199.2	APP	BPEDT	-20000428ACG
44	WJEB-DT	JACKSONVILLE FL	198.8	PLN	DTVPLN	-DTVP1194
44	WGVP	VALDOSTA GA	0.0	LIC	BLCT	-19951107KI
43	AMKA	Proposed FL	329.2		CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	AMKA	Proposed FL	CUR	-PROPOSED

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
36	WFTX	CAPE CORAL FL	187.0	CP	BPCT	-20000912AAI
36	WFTX	CAPE CORAL FL	187.0	LIC	BLCT	-19880310KG
40	WWSB	SARASOTA FL	86.4	CP	BPCT	-19991012AAS
40	WWSB	SARASOTA FL	86.1	LIC	BLCT	-19790920KI
42	WXPX	BRADENTON FL	67.5	APP	BPCDT	-19990602KQ
42	WFCT-DT	BRADENTON FL	106.0	PLN	DTVPLN	-DTVP1124
42	WTGLTV	COCOA FL	165.8	APP	BPRM	-20000412AAF
42	960724KQ	PALATKA FL	196.1	APP	BPET	-19960724KQ
43	WBSF	MELBOURNE FL	178.1	LIC	BLCT	-19980422KG
43	WGVP-DT	VALDOSTA GA	329.2	PLN	DTVPLN	-DTVP1160
44	WTOG	ST. PETERSBURG FL	66.3	LIC	BLCT	-19990415KI
45	WLCB-TV	LEESBURG FL	100.4	CP MOD	BMPET	-20000717AAM
46	WLCB-DT	LEESBURG FL	114.7	APP	BPEDT	-20000428ACP
46	WLCB-DT	LEESBURG FL	114.7	PLN	DTVPLN	-DTVP1256
47	WBHS-DT	TAMPA FL	65.5	CP	BPCDT	-19980806KH
47	WBHS-DT	TAMPA FL	65.5	PLN	DTVPLN	-DTVP1290
50	WBHS-TV	TAMPA FL	65.5	LIC	BLCT	-19880616KH
50	WBHS-TV	TAMPA FL	65.5	CP	BPCT	-19960710KG
51	WOGX	OCALA FL	128.0	LIC	BLCT	-19831107KI
57	WTTA-DT	ST. PETERSBURG FL	65.5	CP	BPCDT	-19991007AAX
57	WTTA-DT	ST. PETERSBURG FL	65.5	PLN	DTVPLN	-DTVP1528

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 5
Before Analysis

Results for: 43N FL Proposed CUR PROPOSED
POPULATION AREA (sq km)

within Noise Limited Contour	773703	4232.4
not affected by terrain losses	773703	4232.4
lost to NTSC IX	350998	759.3
lost to additional IX by ATV	0	0.0
lost to all IX	350998	759.3

Potential Interferring Stations Included in above Scenario 1

44N FL ST. PETERSBURG BLCT 19990415KI LIC

Result key: 2
Scenario 2 Affected station 5
Before Analysis

Results for: 43N FL Proposed	CUR	PROPOSED
	POPULATION	AREA (sq km)
within Noise Limited Contour	773703	4232.4
not affected by terrain losses	773703	4232.4
lost to NTSC IX	350998	759.3
lost to additional IX by ATV	0	0.0
lost to all IX	350998	759.3

Potential Interferring Stations Included in above Scenario 2

44N FL ST. PETERSBURG BLCT 19990415KI LIC
42A FL BRADENTON BPCDT 19990602KF APP

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