

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 11-09-2009 Time: 14:38:17

Record Selected for Analysis

WXNY-LD BLDTL -20090908ACO NEW YORK NY US  
Channel 32 ERP 7.5 kW HAAT 00001 m RCAMSL 00213 m STRINGENT MASK  
Latitude 040-44-50 Longitude 0073-56-38  
Status LIC Zone Border C  
Dir Antenna Make CDB Model 00000000071356 Beam tilt N Ref Azimuth 0.0  
Last update 00000000 Cutoff date 00000000 Docket  
Comments  
Applicant ISLAND BROADCASTING COMPANY

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	51.0 dBu F(50,90) (km)
0.0	4.563	194.3	43.4
45.0	0.009	208.8	13.2
90.0	1.519	196.9	37.8
135.0	5.874	198.4	44.9
180.0	2.700	201.2	41.0
225.0	0.009	212.9	13.4
270.0	0.003	203.7	10.1
315.0	5.292	199.4	44.4

Contour Overlap to Proposed Station

Station  
W32DF 32 HEMPSTEAD NY BLTTL20090522AEX

Station inside contour of Digital LPTV station

WXNY-LD 32 NEW YORK NY BLDTL 20090908ACO

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance

Distance to border = 397.8km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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### Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN	
32	WXNY-LD	NEW YORK NY	BLDTL	20090908ACO

### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	W17CD	STAMFORD CT	49.3	LIC	BLTTL	-20070201BSO
17	DW44BC	BRENTWOOD NY	77.4	APP	BMP TTL	-19960517UQ
17	WEBR-CD	MANHATTAN NY	3.6	LIC	BLTTL	-19960116JC
24	WPSJ-LP	HAMMONTON, ETC. NJ	136.6	LIC	BLTTA	-20060720ADQ
24	W24BB	EAST STROUDSBURG PA	134.8	LIC	BLTTL	-19911219JM
25	W25BB	PITTSTOWN NJ	89.5	LIC	BLTT	-19930325ID
25	W25AW	TRENTON NJ	85.7	LIC	BLTTA	-20030512ABW
28	W28AJ	ALLINGTOWN CT	101.8	LIC	BLTTL	-20010608AAO
28	WFPA-CA	PHILADELPHIA PA	134.8	LIC	BLTTL	-20000428ABK
30	W30AZ	LIBERTY NY	129.1	LIC	BLTT	-19911028IF
31	WTIC-TV	HARTFORD CT	141.2	CP MOD	BMPCDT	-20080620ADP
31	WPPX-TV	WILMINGTON DE	134.6	LIC	BLC DT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	134.6	APP	BPC DT	-20080620AMP
31	WPXN-TV	NEW YORK NY	7.0	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	3.6	CP MOD	BMPCDT	-20080926ACT
31	WSWB-DR	SCRANTON PA	168.0	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	168.0	LIC	BLC DT	-20060721ABH
32	WRZB-LD	WASHINGTON DC	334.7	CP MOD	BMPDTL	-20090630AEH
32	WBPX-TV	BOSTON MA	285.1	APP	BPC DT	-20080620ACX
32	WBPX-TV	BOSTON MA	285.1	LIC	BLC DT	-20040723ACG
32	WTMU-LP	BOSTON MA	297.1	LIC	BLTTL	-19950414IE
32	W32DN-D	SALISBURY MD	339.0	CP	BDCCDTL	-20061030APP
32	NEW	ATLANTIC CITY NJ	136.6	APP	BPRM	-20091008ADJ
32	W52DF	ALBANY NY	210.1	CP	BDISDTT	-20060331AAU
32	W52DF	ALBANY NY	210.1	CP	BPTT	-20050405ABY
32	W32DF	HEMPSTEAD NY	33.4	LIC	BLTTL	-20090522AEX
32	W32DC	PORT JERVIS NY	92.1	LIC	BLTTL	-20070223AHJ
32	WTKO-LP	SYLVAN BEACH NY	316.2	CP	BDISTTL	-20081230AAC
32	WTAJ-TV	ALTOONA PA	379.7	LIC	BLC DT	-20051018ACE
32	WTOO-CA	ALTOONA PA	373.0	LIC	BLTTL	-19970819JD
32	WPSG	PHILADELPHIA PA	134.6	CP	BPC DT	-20080616ABE
32	WPSG	PHILADELPHIA PA	134.6	LIC	BLC DT	-20021025AAS
32	WQPX-TV	SCRANTON PA	167.7	LIC	BLC DT	-20060629AFR

[illegible]

## Analysis of current record

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	WNYE-TV	NEW YORK NY	37.0	CP MOD	BMPEDT	-20070124AAX
24	WNYE-TV	NEW YORK NY	37.0	PLN	DTVPLN	-DTVP0885
24	WNYE-TV	NEW YORK NY	37.0	LIC	BLEDT	-20071228ABM
28	WNBC	NEW YORK NY	37.0	CP MOD	BMPCDT	-20080314ACO
28	WNBC	NEW YORK NY	39.6	PLN	DTVPLN	-DTVP1035
28	WNBC	NEW YORK NY	37.0	STA	BDSTA	-20041220ADE
28	WNBC	NEW YORK NY	39.6	APP	BPCDT	-20080620ADL
29	WFME-TV	WEST MILFORD NJ	59.7	LIC	BLEDT	-20040712ACP
29	WFME-TV	WEST MILFORD NJ	59.7	PLN	DTVPLN	-DTVP1070
30	WFUT-DT	NEWARK NJ	37.0	CP	BPCDT	-20080619AEI
30	WFUT-TV	NEWARK NJ	37.0	PLN	DTVPLN	-DTVP1104
31	WTIC-TV	HARTFORD CT	120.9	CP MOD	BMPCDT	-20080620ADP
31	WTIC-TV	HARTFORD CT	120.9	PLN	DTVPLN	-DTVP1124
31	WPXN-TV	NEW YORK NY	39.6	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	39.6	PLN	DTVPLN	-DTVP1147
31	WPXN-TV	NEW YORK NY	37.0	CP MOD	BMPCDT	-20080926ACT
32	WRZB-LD	WASHINGTON DC	363.0	CP MOD	BMPDTL	-20090630AEH
32	WBPX-TV	BOSTON MA	258.8	APP	BPCDT	-20080620ACX
32	WBPX	BOSTON MA	258.8	PLN	DTVPLN	-DTVP1178
32	WBPX-TV	BOSTON MA	258.8	LIC	BLCDT	-20040723ACG
32	W32DN-D	SALISBURY MD	362.3	CP	BDCCDTL	-20061030APP
32	NEW	ATLANTIC CITY NJ	158.8	APP	BPRM	-20091008ADJ
32	W52DF	ALBANY NY	212.1	CP	BDISDTT	-20060331AAU
32	WXNY-LD	NEW YORK NY	33.4	LIC	BLDTL	-20090908ACO
32	WPSG	PHILADELPHIA PA	163.7	CP	BPCDT	-20080616ABE
32	WPSG	PHILADELPHIA PA	163.7	PLN	DTVPLN	-DTVP1188
32	WPSG	PHILADELPHIA PA	163.7	LIC	BLCDT	-20021025AAS
32	WQPX-TV	SCRANTON PA	197.4	LIC	BLCDT	-20060629AFR
32	WQPX	SCRANTON PA	197.4	PLN	DTVPLN	-DTVP1189
33	WFSB	HARTFORD CT	128.9	CP	BPCDT	-20080619AFT
33	WFSB	HARTFORD CT	128.9	PLN	DTVPLN	-DTVP1208
33	WFSB	HARTFORD CT	128.9	LIC	BLCDT	-20041029AIL
33	WCBS-TV	NEW YORK NY	39.6	APP	BMPCDT	-20080619AAZ

33	WCBS-TV	NEW YORK NY	39.6	PLN	DTVPLN	-DTVP1220
33	WCBS-TV	NEW YORK NY	37.0	CP	BPCDT	-20090924AAQ
35	WVIT	NEW BRITAIN CT	120.6	LIC	BLCDT	-20041203AEF
35	WVIT	NEW BRITAIN CT	120.6	PLN	DTVPLN	-DTVP1279
36	WNJU	LINDEN NJ	37.0	PLN	DTVPLN	-DTVP1336
36	WNJU	LINDEN NJ	37.0	CP	BPCDT	-20080620AKQ
39	WCTX	NEW HAVEN CT	89.1	LIC	BLCDT	-20040507AAZ
39	WCTX	NEW HAVEN CT	89.1	PLN	DTVPLN	-DTVP1391
40	WXTV-DT	PATERSON NJ	37.0	LIC	BLCDT	-20050214AGS
40	WXTV	PATERSON NJ	37.0	PLN	DTVPLN	-DTVP1441
46	WUVN	HARTFORD CT	129.0	LIC	BLCDT	-20060706AED
46	WUVN	HARTFORD CT	129.0	PLN	DTVPLN	-DTVP1638
47	WLNY-TV	RIVERHEAD NY	55.3	CP MOD	BMPCDT	-20080721ABJ
47	WLNY-DT	RIVERHEAD NY	55.3	PLN	DTVPLN	-DTVP1681
47	W64AL	STROUDSBURG PA	140.0	CP	BDISDTT	-20060818ABH

Total scenarios = 1

Result key: 1  
 Scenario 1 Affected station 26 W32DF  
 Before Analysis

Results for: 32N NY HEMPSTEAD	BLTTL	20090522AEX	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	111485	44.7	
not affected by terrain losses	111485	44.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	4572	2.0	
lost to all IX	4572	2.0	

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BMPCDT	20080926ACT	CP
32A PA PHILADELPHIA	BPCDT	20080616ABE	CP
33A NY NEW YORK	BPCDT	20090924AAQ	CP

After Analysis

Results for: 32N NY HEMPSTEAD	BLTTL	20090522AEX	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	111485	44.7	
not affected by terrain losses	111485	44.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	95259	37.8	
lost to all IX	95259	37.8	

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BMPCDT	20080926ACT	CP
32A PA PHILADELPHIA	BPCDT	20080616ABE	CP
33A NY NEW YORK	BPCDT	20090924AAQ	CP
32A NY NEW YORK	BLDTL	20090908ACO	LIC

The following station failed the de minimis interference criteria.

32D NY NEW YORK	BLDTL	20090908ACO
ERP 7.50 kW	HAAT 1.0 m	RCAMSL 213.0 m

Antenna CDB 00000000071356

Due to interference to the following station and scenario: 1  
32N NY HEMPSTEAD BLTTL 20090522AEX  
ERP 3.30 kW HAAT 60.0 m RCAMSL 66.0 m  
Antenna CDB 00000000092898

Percent new DTV interference without proposal:	4.1	BLTTL	20090522AEX
Percent new DTV interference with proposal:	85.4	BLTTL	20090522AEX

Worst case new IX 81.3446% Scenario 1

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