

TVStudy Interference Analysis

prepared 1/20/2021 for

Univision New York LLC

WFUT-DT Newark, NJ / WXTV-DT Paterson, NJ

Channel 26 215 kW 397 m

This proposed modification of construction permit seeks to permanently authorize the use of the Empire State Building's Master UHF Antenna by WFUT/WXTV, which is currently authorized under STA (LMS file number 0000078251, granted 7/26/2019). Increase of ERP to 215 kW and electrical beam tilt to $1\frac{1}{2}^{\circ}$ is proposed, the latter to be achieved by re-phasing the upper and lower halves of the antenna panel array. This modification would not cause an impermissible increase of interference to any station, as shown by the TVStudy interference data that follows. Please note that this interference analysis was conducted with a ***cell size of 2 km and a terrain sampling interval of 0.5 km***, as well as use of the ***calculated elevation radiation pattern*** of the antenna. The XML data file for that pattern is attached to the instant application.

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WFUT ESB Master EBT1-5, Model: Longley-Rice
Start: 2021.01.20 12:27:55

Study created: 2021.01.20 12:27:55

Study build station data: LMS TV 2021-01-20

Proposal: WFUT-DT D26 DT APP NEWARK, NJ
File number: BLANK0000078251
Facility ID: 60555
Station data: User record
Record ID: 178
Country: U.S.
Zone: I

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WNUV	D25	DT	LIC	BALTIMORE, MD	BLANK0000059729	275.7 km
Yes	WWOR-TV	D25	DT	LIC	SECAUCUS, NJ	BLANK0000054140	4.6
No	WMHT	D25	DT	LIC	SCHENECTADY, NY	BLANK0000091434	208.6
No	WJAR	D25	DT	LIC	PROVIDENCE, RI	BLANK0000087546	257.3
Yes	WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	199.9
Yes	WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK0000111760	275.7
No	WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	475.3
No	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	134.0
Yes	WQAV-CD	D26	DC	CP	GLASSBORO, NJ	BLANK0000089019	132.0
No	WGCE-CD	D26	DC	CP	ROCHESTER, NY	BLANK0000094594	398.6
No	WGCE-CD	D26	DC	LIC	ROCHESTER, NY	BLANK0000116989	398.6
No	WPBS-TV	D26	DT	LIC	WATERTOWN, NY	BLANK0000081158	374.6
Yes	WYLN-LP	D26+	DC	LIC	HAZLETON, PA	BLANK0000078812	167.5
No	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	275.7
No	WMAR-TV	D27	DT	LIC	BALTIMORE, MD	BLANK0000120189	275.8
No	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	218.9
Yes	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	4.6
No	WPSJ-CD	D27	DC	LIC	PHILADELPHIA, PA	BLANK0000081029	132.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
Latitude: 40 44 54.00 N (NAD83)
Longitude: 73 59 9.00 W
Height AMSL: 410.5 m
HAAT: 397.0 m
Peak ERP: 215 kW
Antenna: Omnidirectional
Elev Pattern:

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	215 kW	374.9 m	93.0 km
45.0	215	400.6	94.7
90.0	215	398.5	94.6
135.0	215	400.6	94.7
180.0	215	394.2	94.3
225.0	215	409.9	95.3
270.0	215	401.1	94.8
315.0	215	399.7	94.7

Distance to Canadian border: 395.2 km

Distance to Mexican border: 2674.8 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 234.8 degrees Distance: 298.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 278.9 degrees Distance: 2629.1 km

Study cell size: 2.00 km

Profile point spacing: 0.50 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000054140 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWOR-TV	D25	DT	LIC	SECAUCUS, NJ	BLANK0000054140	
Undesireds:	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	4.6 km
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	4.6
	WNYE-TV	D24	DT	CP	NEW YORK, NY	BLANK0000035705	5.3
	WPHA-CD	D24	DC	LIC	PHILADELPHIA, PA	BLDTA20130920ADK	127.6
	WNUV	D25	DT	LIC	BALTIMORE, MD	BLANK0000059729	271.6
	WMHT	D25	DT	LIC	SCHENECTADY, NY	BLANK0000091434	212.6
	WJAR	D25	DT	LIC	PROVIDENCE, RI	BLANK0000087546	261.2
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	129.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25364.9 19,853,836		23995.5 19,622,838		23479.2 19,483,168		23495.3 19,480,545	-0.07 0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
WFUT-DT D26 DT BL	84.4	25,300	56.3	13,176		
WFUT-DT D26 DT APP	76.4	29,739			40.2	15,799
WNYE-TV D24 DT CP	36.3	9,722	16.2	1,932	16.2	1,932
WNUV D25 DT LIC	52.0	2,242	48.0	2,134	48.0	2,134
WMHT D25 DT LIC	242.3	50,523	153.5	25,985	149.4	24,584
WJAR D25 DT LIC	214.3	86,112	133.4	64,115	129.3	63,700

Interference to BLANK0000054140 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWOR-TV	D25	DT	LIC	SECAUCUS, NJ	BLANK0000054140	
Undesireds:	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	4.6 km
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	4.6
	WNYE-TV	D24	DT	LIC	NEW YORK, NY	BLDT20071228ABM	5.3
	WPHA-CD	D24	DC	LIC	PHILADELPHIA, PA	BLDTA20130920ADK	127.6
	WNUV	D25	DT	LIC	BALTIMORE, MD	BLANK0000059729	271.6
	WMHT	D25	DT	LIC	SCHENECTADY, NY	BLANK0000091434	212.6
	WJAR	D25	DT	LIC	PROVIDENCE, RI	BLANK0000087546	261.2
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	129.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25364.9 19,853,836		23995.5 19,622,838		23479.2 19,483,168		23495.3 19,480,545	-0.07 0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
WFUT-DT D26 DT BL	84.4	25,300	56.3	13,176		
WFUT-DT D26 DT APP	76.4	29,739			40.2	15,799
WNYE-TV D24 DT LIC	36.3	9,722	16.2	1,932	16.2	1,932
WNUV D25 DT LIC	52.0	2,242	48.0	2,134	48.0	2,134
WMHT D25 DT LIC	242.3	50,523	153.5	25,985	149.4	24,584
WJAR D25 DT LIC	214.3	86,112	133.4	64,115	129.3	63,700

Interference to BLANK0000083684 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	
Undesireds:	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	199.8 km
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	199.9
	WMHT	D25	DT	LIC	SCHENECTADY, NY	BLANK0000091434	119.6
	WJAR	D25	DT	LIC	PROVIDENCE, RI	BLANK0000087546	119.9
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	333.9
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	96.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22102.2 3,443,386		19988.2 3,085,188		19110.1 2,928,857		18949.2 2,924,802	0.84 0.14

Undesired	Total IX		Unique IX, before		Unique IX, after	
WFUT-DT D26 DT BL	402.0	60,759	365.9	52,165		
WFUT-DT D26 DT APP	583.0	71,660			526.8	56,220
WMHT D25 DT LIC	47.9	583	43.9	499	43.9	499

WJAR D25 DT LIC	236.2	54,675	88.2	8,124	84.2	7,992
WUNI D27 DT LIC	368.1	95,163	216.0	47,351	200.0	40,637

Interference to BLANK0000083684 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	
Undesireds:	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	199.8 km
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	199.9
	WMHT	D25	DT	LIC	SCHENECTADY, NY	BLANK0000091434	119.6
	WJAR	D25	DT	LIC	PROVIDENCE, RI	BLANK0000087546	119.9
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	333.9
	WUNI	D27	DT	CP	MARLBOROUGH, MA	BLANK0000035720	117.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
22102.2 3,443,386	19988.2 3,085,188	19194.0 2,954,407	19025.1 2,944,019	0.88 0.35

Undesired	Total IX	Unique IX, before	Unique IX, after
WFUT-DT D26 DT BL	402.0 60,759	365.9 52,165	
WFUT-DT D26 DT APP	583.0 71,660		534.9 62,553
WMHT D25 DT LIC	47.9 583	43.9 499	
WJAR D25 DT LIC	236.2 54,675	84.2 11,623	80.1 11,491
WUNI D27 DT CP	292.2 66,184	132.1 21,801	124.1 21,420

Interference to BLANK0000111760 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK0000111760	
Undesireds:	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	275.7 km
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	275.7
	WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	227.2
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	161.2
	WYLN-LP	D26+	DC	LIC	HAZLETON, PA	BLANK0000078812	190.8
	WHTJ	D26	DT	LIC	CHARLOTTESVILLE, VA	BLANK0000112378	219.0
	WAZT-CD	D26	DC	BL	VIENNA, VA	DTVBL168449	150.8
	WMAR-TV	D27	DT	LIC	BALTIMORE, MD	BLANK0000120189	0.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26237.3 8,523,983	25448.4 8,378,344	24572.4 8,156,484	24564.3 8,153,369	0.03 0.04

Undesired	Total IX	Unique IX, before	Unique IX, after
WFUT-DT D26 DT BL	20.2 1,789	0.0 0	
WFUT-DT D26 DT APP	44.3 9,077		8.1 3,115
WGPT D26 DT LIC	20.1 3,231	8.0 1,365	8.0 1,365
WQAV-CD D26 DC LIC	163.0 48,149	151.0 46,779	151.0 46,779
WYLN-LP D26+ DC LIC	16.1 3,229	4.0 2,277	4.0 2,277
WHTJ D26 DT LIC	484.9 106,872	293.1 76,536	285.0 74,479
WAZT-CD D26 DC BL	319.7 69,590	144.0 41,301	144.0 41,301
WMAR-TV D27 DT LIC	80.0 23,566	68.1 22,044	68.1 22,044

Interference to BLANK0000111760 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK0000111760	
Undesireds:	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	275.7 km
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	275.7
	WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	227.2
	WQAV-CD	D26	DC	CP	GLASSBORO, NJ	BLANK0000089019	143.9
	WYLN-LP	D26+	DC	LIC	HAZLETON, PA	BLANK0000078812	190.8
	WHTJ	D26	DT	LIC	CHARLOTTESVILLE, VA	BLANK0000112378	219.0
	WAZT-CD	D26	DC	BL	VIENNA, VA	DTVBL168449	150.8
	WMAR-TV	D27	DT	LIC	BALTIMORE, MD	BLANK0000120189	0.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26237.3 8,523,983	25448.4 8,378,344	24503.8 8,160,838	24495.8 8,157,723	0.03 0.04

Undesired	Total IX	Unique IX, before	Unique IX, after
WFUT-DT D26 DT BL	20.2 1,789	0.0 0	
WFUT-DT D26 DT APP	44.3 9,077		8.1 3,115
WGPT D26 DT LIC	20.1 3,231	8.0 1,365	8.0 1,365
WQAV-CD D26 DC CP	296.1 56,340	219.6 42,425	219.6 42,425
WYLN-LP D26+ DC LIC	16.1 3,229	0.0 0	0.0 0

WHTJ D26 DT LIC	484.9	106,872	256.8	69,361	252.7	67,920
WAZT-CD D26 DC BL	319.7	69,590	144.0	41,301	144.0	41,301
WMAR-TV D27 DT LIC	80.0	23,566	68.0	22,145	68.0	22,145

Interference to BLANK0000089019 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WQAV-CD	D26	DC	CP	GLASSBORO, NJ	BLANK0000089019			
Undesireds:	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	132.1 km		
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	132.0		
	WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK0000111760	143.9		
Service area		Terrain-limited		IX-free, before		IX-free, after			
6754.8	4,986,351	6654.4	4,968,146	6441.7	4,875,459	6409.5	4,851,934		
				Percent New IX					
				0.50		0.48			
Undesired				Total IX	Unique IX, before	Unique IX, after			
WFUT-DT D26 DT BL				148.5	44,581				
WFUT-DT D26 DT APP				200.9	83,300	148.6	44,361		
WBFF D26 DT LIC				96.2	71,851	44.0	32,912		

Interference to BLANK0000078812 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WYLN-LP	D26+	DC	LIC	HAZLETON, PA	BLANK0000078812			
Undesireds:	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	167.5 km		
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	167.5		
	WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK0000111760	190.8		
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	166.6		
	WGCE-CD	D26	DC	CP	ROCHESTER, NY	BLANK0000094594	275.7		
Service area		Terrain-limited		IX-free, before		IX-free, after			
3600.9	412,777	2510.2	182,209	2478.1	179,826	2478.1	179,826		
				Percent New IX					
				0.00		0.00			
Undesired				Total IX	Unique IX, before	Unique IX, after			
WFUT-DT D26 DT BL				12.0	994				
WFUT-DT D26 DT APP				12.0	994	12.0	994		
WBFF D26 DT LIC				20.1	1,389	20.1	1,389		

Interference to BLANK0000078812 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WYLN-LP	D26+	DC	LIC	HAZLETON, PA	BLANK0000078812			
Undesireds:	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	167.5 km		
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	167.5		
	WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK0000111760	190.8		
	WQAV-CD	D26	DC	CP	GLASSBORO, NJ	BLANK0000089019	120.0		
	WGCE-CD	D26	DC	CP	ROCHESTER, NY	BLANK0000094594	275.7		
Service area		Terrain-limited		IX-free, before		IX-free, after			
3600.9	412,777	2510.2	182,209	2474.1	179,793	2474.1	179,793		
				Percent New IX					
				0.00		0.00			
Undesired				Total IX	Unique IX, before	Unique IX, after			
WFUT-DT D26 DT BL				12.0	994				
WFUT-DT D26 DT APP				12.0	994	12.0	994		
WBFF D26 DT LIC				20.1	1,389	20.1	1,389		
WQAV-CD D26 DC CP				4.0	33	4.0	33		

Interference to BLANK0000079881 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	
Undesireds:	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	4.6 km
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	4.6
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	129.5
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	280.1
	WMAR-TV	D27	DT	LIC	BALTIMORE, MD	BLANK0000120189	271.8
	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	219.9
	WPSJ-CD	D27	DC	LIC	PHILADELPHIA, PA	BLANK0000081029	127.9
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	147.9
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	111.8

WCAU				D28	DT	LIC	PHILADELPHIA, PA		BLANK0000079825		127.6											
Service area				Terrain-limited			IX-free, before		IX-free, after		Percent New IX											
26455.5				20,075,874			24969.3		19,770,054		23919.4		19,504,556		23919.4		19,503,951		0.00		0.00	
Undesired							Total IX		Unique IX, before		Unique IX, after											
WFUT-DT D26				DT BL			56.4		19,842		56.4		19,842									
WFUT-DT D26				DT APP			56.4		20,447						56.4		20,447					
WUNI D27				DT LIC			8.0		2,257		4.0		2,159		4.0		2,159					
WMAR-TV D27				DT LIC			313.1		35,177		116.4		8,821		116.4		8,821					
WIVT D27				DT LIC			52.1		17,592		12.0		5,872		12.0		5,872					
WPSJ-CD D27				DC LIC			603.5		184,611		116.8		97,502		116.8		97,502					
WHPX-TV D28				DT LIC			11.9		4,288		11.9		4,288		11.9		4,288					
WEPT-CD D28				DC LIC			109.2		19,351		72.8		15,178		72.8		15,178					
WCAU D28				DT LIC			587.1		96,505		88.3		10,615		88.3		10,615					

Interference to BLANK0000079881 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	
Undesireds:	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	4.6 km
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	4.6
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	129.5
	WUNI	D27	DT	CP	MARLBOROUGH, MA	BLANK0000035720	292.1
	WMAR-TV	D27	DT	LIC	BALTIMORE, MD	BLANK0000120189	271.8
	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	219.9
	WPSJ-CD	D27	DC	LIC	PHILADELPHIA, PA	BLANK0000081029	127.9
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	147.9
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	111.8
	WCAU	D28	DT	LIC	PHILADELPHIA, PA	BLANK0000079825	127.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
26455.5	20,075,874	24969.3	19,770,054	23915.4	19,502,880	23915.3	19,502,275	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after		
WFUT-DT D26	DT BL	56.4	19,842	56.4	19,842			
WFUT-DT D26	DT APP	56.4	20,447			56.4	20,447	
WUNI D27	DT CP	8.0	3,835	8.0	3,835	8.0	3,835	
WMAR-TV D27	DT LIC	313.1	35,177	116.4	8,821	116.4	8,821	
WIVT D27	DT LIC	52.1	17,592	12.0	5,872	12.0	5,872	
WPSJ-CD D27	DC LIC	603.5	184,611	116.8	97,502	116.8	97,502	
WHPX-TV D28	DT LIC	11.9	4,288	11.9	4,288	11.9	4,288	
WEPT-CD D28	DC LIC	109.2	19,351	76.8	15,276	76.8	15,276	
WCAU D28	DT LIC	587.1	96,505	88.3	10,615	88.3	10,615	

Interference to proposal scenario 1
1.63% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	
Undesireds:	WWOR-TV	D25	DT	LIC	SECAUCUS, NJ	BLANK0000054140	4.6 km
	WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	199.9
	WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK0000111760	275.7
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	134.0
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	4.6

Service area				Terrain-limited		IX-free		Percent IX	
28053.1	20,362,721	26369.6	20,004,362	25179.7	19,678,395	4.51	1.63		
Undesired				Total IX		Unique IX		Prcnt Unique IX	
WWOR-TV D25	DT LIC	48.1	17,138	4.0	70	0.02	0.00		
WGGB-TV D26	DT LIC	651.1	167,314	598.9	155,064	2.27	0.78		
WBFF D26	DT LIC	60.1	5,669	8.1	736	0.03	0.00		
WQAV-CD D26	DC LIC	430.6	124,629	378.4	113,067	1.43	0.57		
WNYW D27	DT LIC	140.4	51,515	84.2	25,063	0.32	0.13		

Interference to proposal scenario 2
1.96% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000078251	
Undesireds:	WWOR-TV	D25	DT	LIC	SECAUCUS, NJ	BLANK0000054140	4.6 km

WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	199.9
WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK0000111760	275.7
WQAV-CD	D26	DC	CP	GLASSBORO, NJ	BLANK0000089019	132.0
WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	4.6

Service area		Terrain-limited		IX-free		Percent IX	
28053.1	20,362,721	26369.6	20,004,362	24971.3	19,611,616	5.30	1.96

Undesired		Total IX		Unique IX		Prct Unique IX	
WWOR-TV D25 DT LIC	48.1	17,138	4.0	70	0.02	0.00	
WGGB-TV D26 DT LIC	651.1	167,314	590.9	151,039	2.24	0.76	
WBFF D26 DT LIC	60.1	5,669	8.1	613	0.03	0.00	
WQAV-CD D26 DC CP	671.1	195,673	586.9	179,846	2.23	0.90	
WNYW D27 DT LIC	140.4	51,515	88.3	26,479	0.33	0.13	