

Report Supporting a request for Special Temporary Authority (STA) for Use of TV Channel 2 Spectrum at the Arthur Ashe Tennis Stadium in Flushing, NY

Below are the analysis result from the FCC's TVStudy software with the default settings showing the very limited predicted service provided by stations WKOB-LD (Facility ID 51441) and W28ES-D (Facility ID 130477). These two facilities are both authorized to operate on TV channel 2 (54 – 60 MHz) from the same location and have an interference agreement to accept the interference caused by this simultaneous use of the same channel. In addition to the TVStudy analysis results, coverage maps showing the predicted service of each station are also provided.

Furthermore, the results from a TVStudy analysis of the facility proposed in this STA application are also provide. This study shows there is no predicted new interference caused to either WKOB-LD or W28ES-D. The study assumed the proposed facility as a low power television station operating with an effective radiated power (ERP) of 100 Watts (The actual proposed facility is for two analog FM transmitters each operating with an ERP of 50 Watts, spaced 2-MHz apart and utilizing a 200 kHz bandwidth).

WKOB-LD TVStudy Analysis Results

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: 00972_04022021_WKOB_LD_51441, Model: Longley-Rice

Start: 2021.04.02 16:09:57

Study created: 2021.04.02 16:09:56

Study build station data: LMS TV 2021-03-30

Proposal: WKOB-LD D2 LD LIC NEW YORK, NY

File number: BLDVL20100222ACI

Facility ID: 51441

Station data: LMS TV 2021-03-30

Record ID: 6c7293587fd444c4a116cf6212b6c0ea

Country: U.S.

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Individual records excluded:

0000080714 W41DO-D D2 LD CP NEW YORK, NY BLANK0000080714

0000140964 W41DO-D D2 LD LIC *P NEW YORK, NY BLANK0000140964

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3 km
Yes	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	0.0
Yes	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	255.7
No	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
No	WYCX-CD	D2	DC	LIC	MANCHESTER, ETC., VT	BLDVA20130502ACF	271.6
Yes	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	5.8
Yes	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	1.7
Yes	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D2

Mask: Stringent
Latitude: 40 45 8.10 N (NAD83)
Longitude: 73 58 2.10 W
Height AMSL: 274.9 m
HAAT: 0.0 m
Peak ERP: 0.300 kW
Antenna: Omnidirectional
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.300 kW	235.2 m	44.4 km
45.0	0.300	270.5	46.4
90.0	0.300	261.7	45.9
135.0	0.300	261.4	45.9
180.0	0.300	258.7	45.7
225.0	0.300	273.6	46.6
270.0	0.300	266.5	46.2
315.0	0.300	259.6	45.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 261 m

Distance to Canadian border: 395.8 km

Distance to Mexican border: 2676.3 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 235.0 degrees Distance: 300.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 278.9 degrees Distance: 2630.6 km

Study cell size: 1.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000074950 LIC scenario 1

**IX: 9.40% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950			
Undesireds:	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVLT20100222ACI	133.3 km		
	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK00000135142	388.5		
	WVIR-TV	D2	DT	LIC	CHARLOTTESVILLE, VA	BLANK00000109093	361.7		
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK00000121277	370.9		
	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK00000035766	127.6		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
45346.2 13,766,025		44307.1 13,544,599		42849.4 11,980,921		40545.8 10,854,177		5.38 9.40	
Undesired		Total IX		Unique IX, before		Unique IX, after			
WKOB-LD D2 LD LIC		3668.5 2,640,610				2303.6 1,126,744			
WSBE-TV D2 DT LIC		42.8 49,607		7.0 1,532		4.0 971			
WVIR-TV D2 DT LIC		52.1 3,709		52.1 3,709		44.1 3,190			
WJLP D3 DT CP		1398.7 1,558,437		1362.9 1,510,362		43.8 44,545			

Interference to BLANK0000074950 LIC scenario 2

**IX: 11.53% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950			
Undesireds:	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVLT20100222ACI	133.3 km		
	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK00000135142	388.5		
	WVIR-TV	D2	DT	LIC	CHARLOTTESVILLE, VA	BLANK00000109093	361.7		
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK00000121277	370.9		
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK00000072919	132.3		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
45346.2 13,766,025		44307.1 13,544,599		43347.1 12,278,049		40555.8 10,862,028		6.44 11.53	
Undesired		Total IX		Unique IX, before		Unique IX, after			
WKOB-LD D2 LD LIC		3668.5 2,640,610				2791.3 1,416,021			
WSBE-TV D2 DT LIC		42.8 49,607		8.0 4,537		2.0 528			
WVIR-TV D2 DT LIC		52.1 3,709		52.1 3,709		44.1 3,190			
WJLP D3 DT LIC		899.9 1,258,304		865.1 1,213,234		33.8 36,694			

Interference to BLANK0000129325 CP scenario 1

**IX: 94.34% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	
Undesireds:	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	0.0 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	5.8
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	3902.9	11,771,250	3884.8	11,759,830	3190.1	8,660,705	290.3	489,889	90.90 94.34

Undesired					Total IX		Unique IX, before		Unique IX, after
WKOB-LD D2 LD LIC					3594.5	11,269,941		2899.8	8,170,816
WDPN-TV D2 DT LIC					222.0	658,029	111.5	67,709	0.0 0
WJLP D3 DT CP					505.7	2,305,163	125.6	116,975	0.0 0
WNWT-LD D3 LD LIC					438.7	2,898,785	71.6	723,924	0.0 0

Interference to BLANK0000129325 CP scenario 2

**IX: 94.42% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	
Undesireds:	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	0.0 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	1.7
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	3902.9	11,771,250	3884.8	11,759,830	3315.7	8,777,680	290.3	489,889	91.24 94.42

Undesired					Total IX		Unique IX, before		Unique IX, after
WKOB-LD D2 LD LIC					3594.5	11,269,941		3025.4	8,287,791
WDPN-TV D2 DT LIC					222.0	658,029	130.4	83,365	0.0 0
WJLP D3 DT LIC					436.7	2,878,181	0.0	0	0.0 0
WNWT-LD D3 LD LIC					438.7	2,898,785	2.0	20,604	0.0 0

Interference to BLANK0000135142 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	
Undesireds:	WKOBLD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	255.7 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	388.5
	WLBZ	D2	DT	LIC	BANGOR, ME	BLCDT20090909AAK	382.8
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	121.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36725.0 7,745,515	35465.3 7,423,047	34761.0 7,361,121	34722.1 7,343,892	0.11 0.23

Undesired	Total IX	Unique IX, before	Unique IX, after
WKOBLD D2 LD LIC 61.0 18,674	38.9 17,229		
WDPN-TV D2 DT LIC 201.5 15,713	184.4 14,509	169.3 13,564	
WLBZ D2 DT LIC 2.0 292	2.0 292	2.0 292	
WYCX-CD D2 DC CP 517.9 47,125	500.7 45,921	495.7 45,625	

Interference to BLANK0000135142 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	
Undesireds:	WKOBLD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	255.7 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	388.5
	WLBZ	D2	DT	LIC	BANGOR, ME	BLCDT20090909AAK	382.8
	WYCX-CD	D2	DC	LIC	MANCHESTER, ETC., VT	BLDVA20130502ACF	163.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36725.0 7,745,515	35465.3 7,423,047	34681.5 7,252,570	34662.5 7,250,925	0.05 0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
WKOBLD D2 LD LIC 61.0 18,674	19.0 1,645		
WDPN-TV D2 DT LIC 201.5 15,713	199.5 15,600	183.4 14,451	
WLBZ D2 DT LIC 2.0 292	1.0 129	1.0 129	
WYCX-CD D2 DC LIC 583.3 154,748	580.2 154,472	555.3 138,592	

Interference to BLANK0000035766 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	
Undesireds:	WKOBLD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	5.8 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	127.6
	WACP	D4	DT	LIC	ATLANTIC CITY, NJ	BLANK0000093491	129.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42645.8 23,032,126	41357.1 22,730,323	39367.3 21,713,338	39365.3 21,713,285	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WKOB-LD D2 LD LIC	2.0 53	2.0 53	
WDPN-TV D2 DT LIC	1411.7 971,432	510.4 258,798	510.4 258,798
WACP D4 DT LIC	1479.4 758,187	578.1 45,553	578.1 45,553

Interference to BLANK0000072919 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	
Undesireds: WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	1.7 km
WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	132.3
WACP	D4	DT	LIC	ATLANTIC CITY, NJ	BLANK0000093491	134.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
34971.8 21,391,964	33641.4 21,100,352	32507.3 20,746,776	32501.3 20,746,088	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WKOB-LD D2 LD LIC	6.0 688	6.0 688	
WDPN-TV D2 DT LIC	924.1 323,481	347.0 86,003	347.0 86,003
WACP D4 DT LIC	787.1 267,573	210.0 30,095	210.0 30,095

Interference to BLANK0000074714 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	
Undesireds: WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	1.7 km
WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	5.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
18461.2 18,340,541	17998.5 18,263,787	2892.2 1,641,790	2891.2 1,641,790	0.03 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WKOB-LD D2 LD LIC	2.0 434	1.0 0	
WJLP D3 DT CP	15106.3 16,621,997	15106.3 16,621,997	15105.3 16,621,563

Interference to BLANK0000074714 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714			
Undesireds:	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	1.7 km		
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	0.0		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
18461.2	18,340,541	17998.5	18,263,787	2123.4	913,999	2123.4	913,999	0.00	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WKOB-LD	D2 LD LIC	2.0	434			0.0	0		
WJLP	D3 DT LIC	15875.1	17,349,788	15875.1	17,349,788	15873.1	17,349,354		

Interference to proposal scenario 1
61.21% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	
Undesireds:	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3 km
	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	0.0
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	5.8
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7
Service area		Terrain-limited		IX-free		Percent IX	
6615.8	14,720,352	6579.7	14,699,304	2343.2	5,701,275	64.39	61.21
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WDPN-TV	D2 DT LIC	670.7	547,601	261.2	255,173	3.97	1.74
W28ES-D	D2z LD CP	3587.5	8,405,605	3385.3	8,301,931	51.45	56.48
WJLP	D3 DT CP	452.7	380,114	131.5	107,451	2.00	0.73
WNWT-LD	D3 LD LIC	55.9	34,941	0.0	0	0.00	0.00

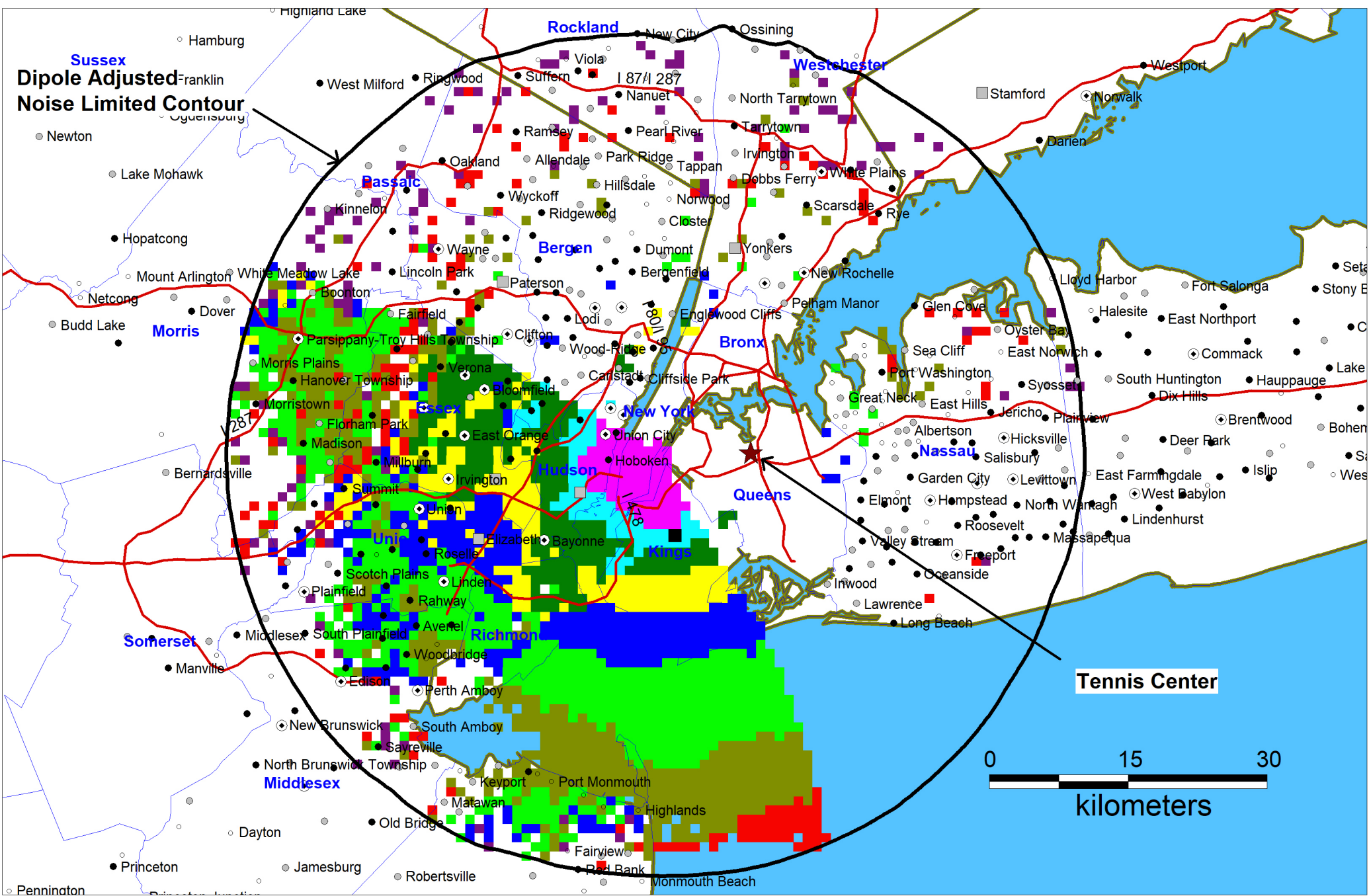
Interference to proposal scenario 2
60.48% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	
Undesireds:	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3 km
	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	0.0

WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	1.7
WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7

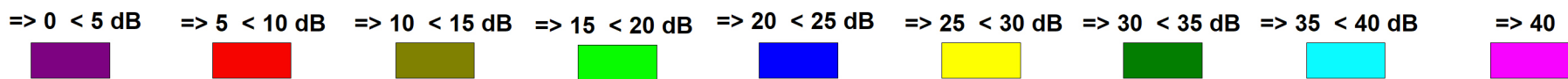
Service area		Terrain-limited		IX-free		Percent IX
6615.8 14,720,352		6579.7 14,699,304	2474.7	5,808,726	62.39	60.48

Undesired		Total IX		Unique IX	Prcnt Unique IX
WDPN-TV D2 DT LIC	670.7	547,601	502.5	472,611	7.64 3.22
W28ES-D D2z LD CP	3587.5	8,405,605	3406.3	8,322,043	51.77 56.62
WJLP D3 DT LIC	55.9	34,941	0.0	0	0.00 0.00
WNWT-LD D3 LD LIC	55.9	34,941	0.0	0	0.00 0.00



WKOB-LD New York, NC LIC Channel 2 Predicted Service

Predicted Service Margin in dB Above Noise Limited Threshold



W28ES-D TVStudy Analysis Results

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: 00973_04022021_W28ES_D_130477, Model: Longley-Rice

Start: 2021.04.02 16:17:44

Study created: 2021.04.02 16:17:44

Study build station data: LMS TV 2021-03-30

Proposal: W28ES-D D2z LD CP New York, NY

File number: BLANK0000129325

Facility ID: 130477

Station data: LMS TV 2021-03-30

Record ID: 25076ff3776504460177696cc2530731

Country: U.S.

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Individual records excluded:

0000080714 W41DO-D D2 LD CP NEW YORK, NY BLANK0000080714

0000140964 W41DO-D D2 LD LIC *P NEW YORK, NY BLANK0000140964

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3 km
Yes	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	0.0
Yes	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	255.7
No	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
No	WYCX-CD	D2	DC	LIC	MANCHESTER, ETC., VT	BLDVA20130502ACF	271.6
No	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	5.8
No	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	1.7
No	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D2z
Mask: Full Service
Latitude: 40 45 8.10 N (NAD83)
Longitude: 73 58 2.10 W
Height AMSL: 274.9 m
HAAT: 0.0 m
Peak ERP: 0.500 kW
Antenna: Kathrein-2xCL-24/HRM/HV (ID 1007841) 0.0 deg
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.500 kW	235.2 m	48.3 km
45.0	0.290	270.5	46.1
90.0	0.495	261.7	49.8
135.0	0.067	261.4	35.3
180.0	0.002	258.7	15.7
225.0	0.000	273.6	10.9
270.0	0.002	266.5	16.1
315.0	0.074	259.6	35.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 261 m

Distance to Canadian border: 395.8 km

Distance to Mexican border: 2676.3 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 235.0 degrees Distance: 300.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 278.9 degrees Distance: 2630.6 km

Study cell size: 1.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000074950 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	
Undesireds:	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	133.3 km
	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	388.5
	WVIR-TV	D2	DT	LIC	CHARLOTTESVILLE, VA	BLANK0000109093	361.7
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	370.9
	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	127.6
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	45346.2 13,766,025	44307.1	13,544,599	42849.4	11,980,921	42770.9 11,940,581	0.18 0.34
Undesired				Total IX	Unique IX, before	Unique IX, after	
W28ES-D D2z LD CP				986.5 1,196,082		78.5 40,340	
WSBE-TV D2 DT LIC				42.8 49,607	7.0 1,532	4.0 971	
WVIR-TV D2 DT LIC				52.1 3,709	52.1 3,709	52.1 3,709	
WJLP D3 DT CP				1398.7 1,558,437	1362.9 1,510,362	491.6 400,548	

Interference to BLANK0000074950 LIC scenario 2

**IX: 0.79% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	
Undesireds:	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	133.3 km
	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	388.5
	WVIR-TV	D2	DT	LIC	CHARLOTTESVILLE, VA	BLANK0000109093	361.7
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	370.9
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	132.3
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	45346.2 13,766,025	44307.1	13,544,599	43347.1	12,278,049	43142.1 12,180,492	0.47 0.79
Undesired				Total IX	Unique IX, before	Unique IX, after	
W28ES-D D2z LD CP				986.5 1,196,082		205.0 97,557	
WSBE-TV D2 DT LIC				42.8 49,607	8.0 4,537	2.0 528	
WVIR-TV D2 DT LIC				52.1 3,709	52.1 3,709	52.1 3,709	
WJLP D3 DT LIC				899.9 1,258,304	865.1 1,213,234	120.4 160,637	

Interference to BLDVL20100222ACI LIC scenario 1

**IX: 59.29% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	
Undesireds:	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	0.0 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	5.8
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
6615.8 14,720,352	6579.7 14,699,304	5728.5 14,003,206	2343.2 5,701,275	59.10 59.29

Undesired	Total IX	Unique IX, before	Unique IX, after
W28ES-D D2z LD CP 3587.5 8,405,605	3385.3 8,301,931		
WDPN-TV D2 DT LIC 670.7 547,601	261.2 255,173		
WJLP D3 DT CP 452.7 380,114	131.5 107,451		
WNWT-LD D3 LD LIC 55.9 34,941	0.0 0		

Interference to BLDVL20100222ACI LIC scenario 2

**IX: 58.89% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	
Undesireds:	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	0.0 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	1.7
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
6615.8 14,720,352	6579.7 14,699,304	5881.0 14,130,769	2474.7 5,808,726	57.92 58.89

Undesired	Total IX	Unique IX, before	Unique IX, after
W28ES-D D2z LD CP 3587.5 8,405,605	3406.3 8,322,043		
WDPN-TV D2 DT LIC 670.7 547,601	502.5 472,611		
WJLP D3 DT LIC 55.9 34,941	0.0 0		
WNWT-LD D3 LD LIC 55.9 34,941	0.0 0		

Interference to BLANK0000135142 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	
Undesireds:	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	255.7 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	388.5
	WLBZ	D2	DT	LIC	BANGOR, ME	BLCDT20090909AAK	382.8
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	121.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36725.0 7,745,515	35465.3 7,423,047	34761.0 7,361,121	34722.1 7,343,892	0.11 0.23

Undesired	Total IX	Unique IX, before	Unique IX, after
W28ES-D D2z LD CP 64.1	18,696	38.9	17,229
WDPN-TV D2 DT LIC 201.5	15,713	184.4	14,509
WLBZ D2 DT LIC 2.0	292	2.0	292
WYCX-CD D2 DC CP 517.9	47,125	500.7	45,921
		495.7	45,625

Interference to BLANK0000135142 LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	
Undesireds: W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	255.7 km
WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	388.5
WLBZ	D2	DT	LIC	BANGOR, ME	BLCDT20090909AAK	382.8
WYCX-CD	D2	DC	LIC	MANCHESTER, ETC., VT	BLDVA20130502ACF	163.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36725.0 7,745,515	35465.3 7,423,047	34681.5 7,252,570	34662.5 7,250,925	0.05 0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
W28ES-D D2z LD CP 64.1	18,696	19.0	1,645
WDPN-TV D2 DT LIC 201.5	15,713	199.5	15,600
WLBZ D2 DT LIC 2.0	292	1.0	129
WYCX-CD D2 DC LIC 583.3	154,748	580.2	154,472
		555.3	138,592

Interference to proposal scenario 1
95.83% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	
Undesireds: WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3 km
WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	0.0

WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	5.8
WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7

Service area		Terrain-limited		IX-free		Percent IX
3902.9	11,771,250	3884.8	11,759,830	290.3	489,889	92.53 95.83

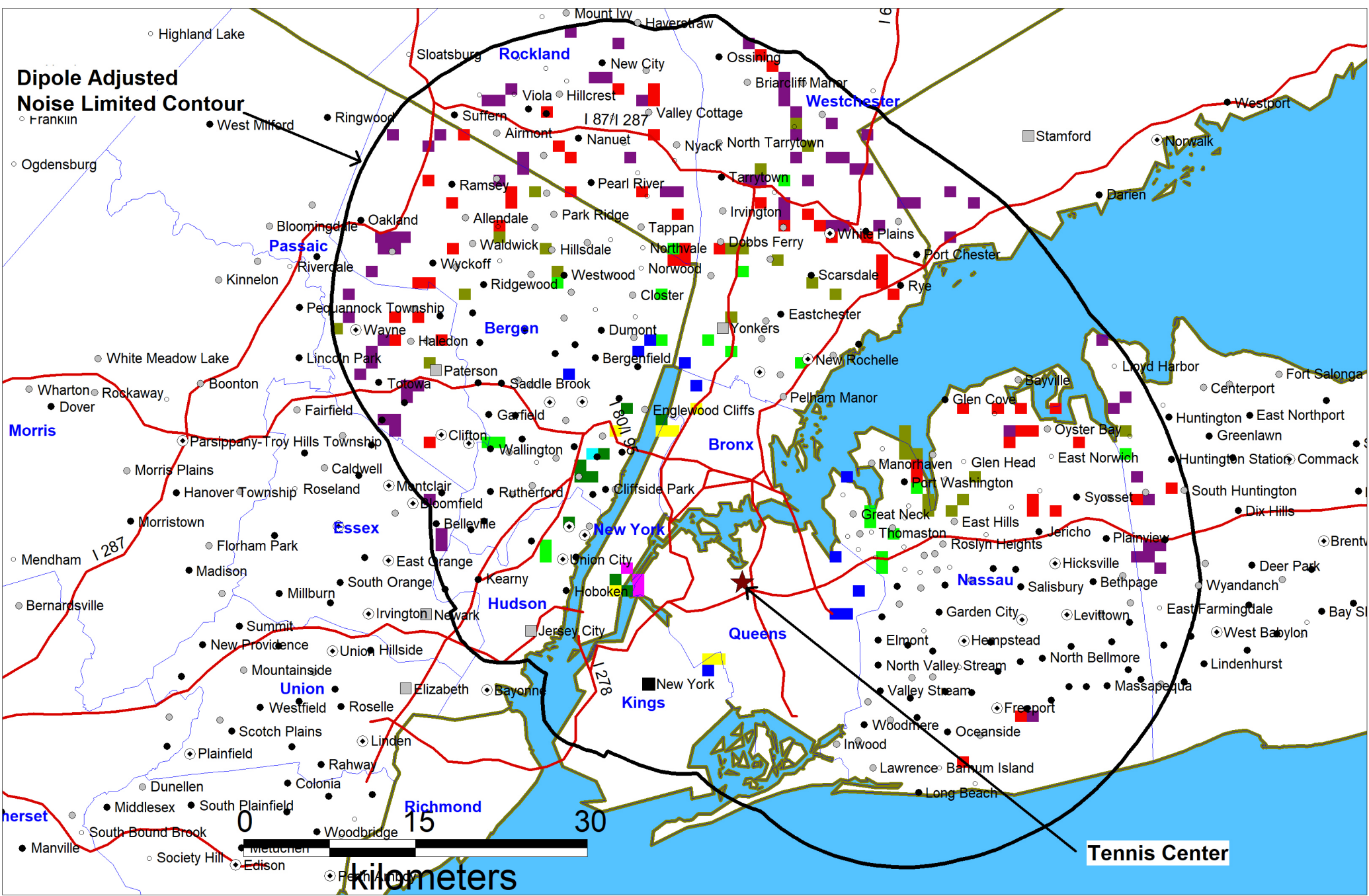
Undesired			Total IX		Unique IX	Prcnt Unique IX
WDPN-TV D2 DT LIC	222.0		658,029	0.0	0	0.00 0.00
WKOB-LD D2 LD LIC	3594.5	11,269,941		2899.8	8,170,816	74.64 69.48
WJLP D3 DT CP	505.7	2,305,163		0.0	0	0.00 0.00
WNWT-LD D3 LD LIC	438.7	2,898,785		0.0	0	0.00 0.00

Interference to proposal scenario 2
95.83% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	
Undesireds:	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3 km
	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDV20100222ACI	0.0
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	1.7
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7

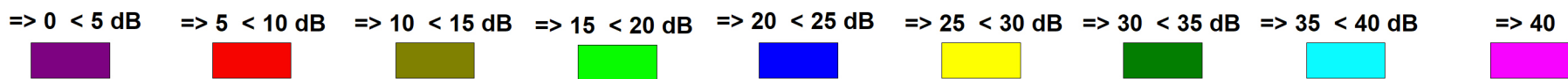
Service area		Terrain-limited		IX-free		Percent IX
3902.9	11,771,250	3884.8	11,759,830	290.3	489,889	92.53 95.83

Undesired			Total IX		Unique IX	Prcnt Unique IX
WDPN-TV D2 DT LIC	222.0		658,029	0.0	0	0.00 0.00
WKOB-LD D2 LD LIC	3594.5	11,269,941		3025.4	8,287,791	77.88 70.48
WJLP D3 DT LIC	436.7	2,878,181		0.0	0	0.00 0.00
WNWT-LD D3 LD LIC	438.7	2,898,785		0.0	0	0.00 0.00



W28ES-D New York, NC CP Channel 2 Predicted Service

Predicted Service Margin in dB Above Noise Limited Threshold



Proposed Channel 2 STA TVStudy Analysis Results

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: 00966_03302021_TENNIS_2_99001, Model: Longley-Rice

Start: 2021.03.30 11:07:04

Study created: 2021.03.30 11:07:04

Study build station data: LMS TV 2021-03-30

Proposal: TENNIS_2 D2 LD APP Queens, NJ

File number: 00961_03272021_TENNIS_2_99001

Facility ID: 99001

Station data: User record

Record ID: 1213

Country: U.S.

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Individual records excluded:

0000080714 W41DO-D D2 LD CP NEW YORK, NY BLANK0000080714

0000140964 W41DO-D D2 LD LIC *P NEW YORK, NY BLANK0000140964

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	141.5 km
Yes	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	10.2
Yes	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	10.2
Yes	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	247.1
No	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	239.0
No	WYCX-CD	D2	DC	LIC	MANCHESTER, ETC., VT	BLDVA20130502ACF	267.9
Yes	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	14.6
Yes	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	11.8
Yes	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	11.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D2
Mask: Simple
Latitude: 40 44 58.00 N (NAD83)
Longitude: 73 50 48.00 W
Height AMSL: 21.5 m
HAAT: 0.0 m
Peak ERP: 0.100 kW
Antenna: Omnidirectional
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.100 kW	5.8 m	15.1 km
45.0	0.100	10.8	15.1
90.0	0.100	-9.3	15.1
135.0	0.100	8.6	15.1
180.0	0.100	13.6	15.1
225.0	0.100	-2.9	15.1
270.0	0.100	12.7	15.1
315.0	0.100	7.0	15.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 6 m

Distance to Canadian border: 401.9 km

Distance to Mexican border: 2684.9 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 236.2 degrees Distance: 308.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 278.9 degrees Distance: 2640.6 km

Study cell size: 1.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000074950 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	
Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	141.5 km
	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	388.5
	WVIR-TV	D2	DT	LIC	CHARLOTTESVILLE, VA	BLANK0000109093	361.7
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	370.9
	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	127.6
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
45346.2	13,766,025	44307.1	13,544,599	42849.4	11,980,921	42826.4 11,972,659	0.05 0.07
Undesired			Total IX	Unique IX, before		Unique IX, after	
TENNIS_2 D2 LD APP	255.7		479,352			22.9 8,262	
WSBE-TV D2 DT LIC	42.8		49,607	7.0 1,532		4.0 1,277	
WVIR-TV D2 DT LIC	52.1		3,709	52.1 3,709		52.1 3,709	
WJLP D3 DT CP	1398.7		1,558,437	1362.9 1,510,362		1164.9 1,083,096	

Interference to BLANK0000074950 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	
Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	141.5 km
	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	388.5
	WVIR-TV	D2	DT	LIC	CHARLOTTESVILLE, VA	BLANK0000109093	361.7
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	370.9
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	132.3
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
45346.2	13,766,025	44307.1	13,544,599	43347.1	12,278,049	43323.2 12,266,286	0.06 0.10
Undesired			Total IX	Unique IX, before		Unique IX, after	
TENNIS_2 D2 LD APP	255.7		479,352			23.9 11,763	
WSBE-TV D2 DT LIC	42.8		49,607	8.0 4,537		5.0 2,632	
WVIR-TV D2 DT LIC	52.1		3,709	52.1 3,709		52.1 3,709	
WJLP D3 DT LIC	899.9		1,258,304	865.1 1,213,234		668.2 789,469	

Interference to BLANK0000129325 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	
Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	10.2 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3
	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	0.0
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	5.8
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3902.9 11,771,250	3884.8 11,759,830	290.3 489,889	290.3 489,889	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
TENNIS_2 D2 LD APP	256.5 991,995	0.0 0	
WDPN-TV D2 DT LIC	222.0 658,029	0.0 0	
WKOB-LD D2 LD LIC	3594.5 11,269,941	2899.8 8,170,816	2784.8 7,669,889
WJLP D3 DT CP	505.7 2,305,163	0.0 0	
WNWT-LD D3 LD LIC	438.7 2,898,785	0.0 0	

Interference to BLANK0000129325 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	
Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	10.2 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3
	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	0.0
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	1.7
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3902.9 11,771,250	3884.8 11,759,830	290.3 489,889	290.3 489,889	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
TENNIS_2 D2 LD APP	256.5 991,995	0.0 0	
WDPN-TV D2 DT LIC	222.0 658,029	0.0 0	
WKOB-LD D2 LD LIC	3594.5 11,269,941	3025.4 8,287,791	2895.4 7,750,994
WJLP D3 DT LIC	436.7 2,878,181	0.0 0	
WNWT-LD D3 LD LIC	438.7 2,898,785	0.0 0	

Interference to BLDVL20100222ACI LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	
Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	10.2 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3
	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	0.0
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	5.8
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
6615.8	14,720,352	6579.7	14,699,304	2343.2	5,701,275	2343.2 5,701,275	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
TENNIS_2 D2 LD APP	170.8	673,831		0.0 0
WDPN-TV D2 DT LIC	670.7	547,601	261.2 255,173	261.2 255,173
W28ES-D D2z LD CP	3587.5	8,405,605	3385.3 8,301,931	3240.5 7,641,542
WJLP D3 DT CP	452.7	380,114	131.5 107,451	131.5 107,451
WNWT-LD D3 LD LIC	55.9	34,941	0.0 0	0.0 0

Interference to BLDVL20100222ACI LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	
Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	10.2 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	133.3
	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	0.0
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	243.9
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	1.7
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	1.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
6615.8	14,720,352	6579.7	14,699,304	2474.7	5,808,726	2474.7 5,808,726	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
TENNIS_2 D2 LD APP	170.8	673,831		0.0 0
WDPN-TV D2 DT LIC	670.7	547,601	502.5 472,611	502.5 472,611
W28ES-D D2z LD CP	3587.5	8,405,605	3406.3 8,322,043	3257.5 7,658,851
WJLP D3 DT LIC	55.9	34,941	0.0 0	0.0 0
WNWT-LD D3 LD LIC	55.9	34,941	0.0 0	0.0 0

Interference to BLANK0000135142 LIC scenario 1

Desired:	Call WSBE-TV	Chan D2	Svc DT	Status LIC	City, State PROVIDENCE, RI	File Number BLANK0000135142	Distance
Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	247.1 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	388.5
	WLBZ	D2	DT	LIC	BANGOR, ME	BLCDT20090909AAK	382.8
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	121.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
36725.0 7,745,515		35465.3 7,423,047		34761.0 7,361,121		34756.0 7,359,646	0.01 0.02
Undesired		Total IX		Unique IX, before		Unique IX, after	
TENNIS_2 D2 LD APP		5.0 1,475				5.0 1,475	
WDPN-TV D2 DT LIC		201.5 15,713		184.4 14,509		184.4 14,509	
WLBZ D2 DT LIC		2.0 292		2.0 292		2.0 292	
WYCX-CD D2 DC CP		517.9 47,125		500.7 45,921		500.7 45,921	

Interference to BLANK0000135142 LIC scenario 2

Desired:	Call WSBE-TV	Chan D2	Svc DT	Status LIC	City, State PROVIDENCE, RI	File Number BLANK0000135142	Distance
Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	247.1 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	388.5
	WLBZ	D2	DT	LIC	BANGOR, ME	BLCDT20090909AAK	382.8
	WYCX-CD	D2	DC	LIC	MANCHESTER, ETC., VT	BLDVA20130502ACF	163.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
36725.0 7,745,515		35465.3 7,423,047		34681.5 7,252,570		34679.5 7,252,241	0.01 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
TENNIS_2 D2 LD APP		5.0 1,475				2.0 329	
WDPN-TV D2 DT LIC		201.5 15,713		199.5 15,600		199.5 15,600	
WLBZ D2 DT LIC		2.0 292		1.0 129		1.0 129	
WYCX-CD D2 DC LIC		583.3 154,748		580.2 154,472		577.3 153,326	

Interference to BLANK0000035766 CP scenario 1

Desired:	Call WJLP	Chan D3	Svc DT	Status CP	City, State MIDDLETOWN TOWNSHIP, NJ	File Number BLANK0000035766	Distance
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Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	14.6 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	127.6
	WACP	D4	DT	LIC	ATLANTIC CITY, NJ	BLANK0000093491	129.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42645.8 23,032,126	41357.1 22,730,323	39367.3 21,713,338	39366.4 21,713,305	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
TENNIS_2 D2 LD APP 1.0 33			
WDPN-TV D2 DT LIC 1411.7 971,432		510.4 258,798	510.4 258,798
WACP D4 DT LIC 1479.4 758,187		578.1 45,553	578.1 45,553

Interference to BLANK0000072919 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	

Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	11.8 km
	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	132.3
	WACP	D4	DT	LIC	ATLANTIC CITY, NJ	BLANK0000093491	134.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
34971.8 21,391,964	33641.4 21,100,352	32507.3 20,746,776	32505.3 20,746,743	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
TENNIS_2 D2 LD APP 2.0 33			
WDPN-TV D2 DT LIC 924.1 323,481		347.0 86,003	347.0 86,003
WACP D4 DT LIC 787.1 267,573		210.0 30,095	210.0 30,095

Interference to BLANK0000074714 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	

Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	11.8 km
	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	1.7
	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	5.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
18461.2 18,340,541	17998.5 18,263,787	2891.2 1,641,790	2891.2 1,641,790	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
TENNIS_2 D2 LD APP 1.0 33			
		0.0	0

WKOB-LD D2 LD LIC	2.0	434	1.0	0	1.0	0
WJLP D3 DT CP	15106.3	16,621,997	15105.3	16,621,563	15104.3	16,621,530

Interference to BLANK0000074714 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714			
Undesireds:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	11.8 km		
	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	1.7		
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	0.0		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
18461.2		18,340,541		17998.5		18,263,787		2123.4	
						913,999		2123.4	
						913,999		0.00	
								0.00	
Undesired		Total IX		Unique IX, before		Unique IX, after			
TENNIS_2 D2 LD APP		1.0		33		0.0		0	
WKOB-LD D2 LD LIC		2.0		434		0.0		0	
WJLP D3 DT LIC		15875.1		17,349,788		15873.1		17,349,354	
						15872.1		17,349,321	

Interference to proposal scenario 1
89.58% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	
Undesireds:	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	141.5 km
	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	10.2
	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	10.2
	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	247.1
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	239.0
	WJLP	D3	DT	CP	MIDDLETOWN TOWNSHIP, NJ	BLANK0000035766	14.6
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	11.8
Service area		Terrain-limited		IX-free		Percent IX	
715.5		6,713,407		691.6		6,558,202	
						67.6	
						683,438	
						90.23	
						89.58	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WDPN-TV D2 DT LIC		206.8		1,446,932		0.0	
W28ES-D D2z LD CP		614.1		5,752,648		1.0	
WKOB-LD D2 LD LIC		613.1		5,748,275		0.0	
WSBE-TV D2 DT LIC		1.0		13		0.0	
WJLP D3 DT CP		423.4		3,724,469		1.0	
						21,847	
						0.14	
						0.33	

WNWT-LD D3 LD LIC	434.3	4,157,902	0.0	0	0.00	0.00
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Interference to proposal scenario 2
89.25% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	TENNIS_2	D2	LD	APP	Queens, NJ	00961_03272021_TENNIS_	
Undesireds:	WDPN-TV	D2	DT	LIC	WILMINGTON, DE	BLANK0000074950	141.5 km
	W28ES-D	D2z	LD	CP	New York, NY	BLANK0000129325	10.2
	WKOB-LD	D2	LD	LIC	NEW YORK, NY	BLDVL20100222ACI	10.2
	WSBE-TV	D2	DT	LIC	PROVIDENCE, RI	BLANK0000135142	247.1
	WYCX-CD	D2	DC	CP	MANCHESTER, ETC., VT	BLANK0000121277	239.0
	WJLP	D3	DT	LIC	MIDDLETOWN TOWNSHIP, NJ	BLANK0000072919	11.8
	WNWT-LD	D3	LD	LIC	NEW YORK, NY	BLANK0000074714	11.8

Service area		Terrain-limited		IX-free		Percent IX
715.5	6,713,407	691.6	6,558,202	68.6	705,285	90.09 89.25

Undesired		Total IX		Unique IX	Prcnt Unique IX
WDPN-TV D2 DT LIC	206.8	1,446,932	0.0	0	0.00 0.00
W28ES-D D2z LD CP	614.1	5,752,648	1.0	4,373	0.14 0.07
WKOB-LD D2 LD LIC	613.1	5,748,275	0.0	0	0.00 0.00
WSBE-TV D2 DT LIC	1.0	13	0.0	0	0.00 0.00
WJLP D3 DT LIC	434.3	4,157,902	0.0	0	0.00 0.00
WNWT-LD D3 LD LIC	434.3	4,157,902	0.0	0	0.00 0.00