

ENGINEERING NARRATIVE
IN SUPPORT OF APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT
FOR INCENTIVE AUCTION REASSIGNMENT CHANNEL

Prepared for

VIDEO VOICE, INC.

WVH-CD CH 18 Facility ID 70158 15 kW DIRECTIONAL RC 31.7 M AMSL

SOUTHAMPTON, NEW YORK

NOVEMBER 2017

Summary

Video Voice, Inc. ("VVI") specifies herein its proposed, maximized, post-auction CH 18 transmission facilities. The proposed facility is based on continued operation from the licensed transmitter site which is also the replication site authorized in construction permit file number 0000026594. The support structure is unregistered. The proposed antenna is a panel system with directional horizontal plane radiation pattern, Aldena model ATU.08.07.420 array of panel antennas or equivalent. At this site and RC AMSL of 15.7 meters the proposed ERP is 15 Kw as compared to the currently authorized 7.79 Kw ERP as specified in FCC file number 0000026594. The entire community boundary of Southampton, New York is located inside the city grade contour.

Attached herein is the TVStudy version 2.2.3 output. There is no impermissible new interference to any station and the proposed population is 113.9 percent of the baseline population.

Environmental

The proposed antenna system is a Aldena model ATU.08.07.420 array of panel antennas or equivalent. The radiation center is 17.4 meters above ground. Utilizing formula 10 OF OET Bulletin No. 65, Edition 97-01, a value F of 0.2 has been used to calculate the power density 2 meters above ground. The maximum power density is 84.49 microwatts/cm squared calculated for an ERP of 15,000 watts H. polarization. This value is 25.7% of the General Population exposure per section 1.1310. Based on this analysis it is believed that the proposed facility follows OET-65 Guidelines.

The applicant will reduce power or cease transmission as required to meet FCC OET-65 Worker Safety Guidelines.

The proposed tower is an existing site with tower, building, access road and power.

TVSTUDY VERSION 2.2.3 Allocation Study Using LMS database dated 10/23/2017

WVH-CD CH 18 Southampton, New York

Study created: 2017.10.31 09:03:23

Study build station data: LMS TV 2017-10-23 (14)

Proposal: WVH-CD D18 DC CP SOUTHAMPTON, NY
File number: BLANK0000026594
Facility ID: 70158
Station data: User record
Record ID: 134
Country: U.S.

Build options:
Protect LPTV records from Class A

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WPXQ-TV	D17	DT	LIC	BLOCK ISLAND, RI	BLANK0000033570	71.6 km
WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	231.1
WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	231.1
WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	163.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D18
Mask: Full Service
Latitude: 40 57 20.30 N (NAD83)
Longitude: 72 15 14.20 W
Height AMSL: 31.7 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: ALDENA ATU.08.07.420 CUSTOM 70.0 deg
Elev Pattn: Generic

49.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	9.36 kW	31.3 m	29.3 km
45.0	14.1	20.3	30.9
90.0	14.7	28.6	31.1
135.0	9.96	31.7	29.7
180.0	6.34	31.5	27.6
225.0	6.34	29.5	27.3
270.0	6.34	8.9	27.3
315.0	6.34	29.4	27.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 26 m

**Proposal service area extends beyond baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 430.4 km

Distance to Mexican border: 2812.7 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 244.4 degrees Distance: 436.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 279.1 degrees Distance: 2769.3 km

**Proposal fails distance check to land mobile station: NASSAU NY WPVS875 ch. 19, 125.4 km

**Proposal fails distance check to land mobile station: NASSAU NY WPVS875 ch. 19, 112.3 km

**Proposal fails distance check to land mobile station: NASSAU NY WPVS875 ch. 19, 117.0 km

**Proposal fails distance check to land mobile station: NASSAU NY WPVS875 ch. 19, 104.0 km

**Proposal fails distance check to land mobile station: NASSAU NY WPYR980 ch. 19, 118.6 km

**Proposal fails distance check to land mobile station: NASSAU NY WQEH796 ch. 19, 103.0 km

**Proposal fails distance check to land mobile station: NASSAU NY WQEH959 ch. 19, 103.0 km

**Proposal fails distance check to land mobile station: NASSAU NY WQKU273 ch. 19, 119.2 km

Proposal is not within the Offshore Radio Service protected area

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%

No IX check failures found.

WVH-CD CH 18 Southampton, New York TVIX STUDY DETAIL :

tvstudy v2.2.3 (ujVPF2)
Database: 127.0.0.1, Study: BLANK0000026594, Model: Longley-Rice
Start: 2017.10.31 09:04:52

Study created: 2017.10.31 09:03:23

Study build station data: LMS TV 2017-10-23 (14)

Proposal: WVH-CD D18 DC CP SOUTHAMPTON, NY
File number: BLANK0000026594
Facility ID: 70158
Station data: User record
Record ID: 134
Country: U.S.

Build options:
Protect LPTV records from Class A

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WPXQ-TV	D17	DT	LIC	BLOCK ISLAND, RI	BLANK0000033570	71.6 km
WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	231.1
WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	231.1
WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	163.8

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Channel: D18
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HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: ALDENA ATU.08.07.420 CUSTOM 70.0 deg
Elev Pattn: Generic

49.1 dBu contour:

Azimuth	ERP	HAAT	Distance
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90.0	14.7	28.6	31.1
135.0	9.96	31.7	29.7
180.0	6.34	31.5	27.6
225.0	6.34	29.5	27.3
270.0	6.34	8.9	27.3
315.0	6.34	29.4	27.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 26 m

**Proposal service area extends beyond baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 430.4 km

Distance to Mexican border: 2812.7 km

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**Proposal fails distance check to land mobile station: NASSAU NY WPVS875 ch. 19, 104.0 km

**Proposal fails distance check to land mobile station: NASSAU NY WPYR980 ch. 19, 118.6 km

**Proposal fails distance check to land mobile station: NASSAU NY WQEH796 ch. 19, 103.0 km

**Proposal fails distance check to land mobile station: NASSAU NY WQEH959 ch. 19, 103.0 km

**Proposal fails distance check to land mobile station: NASSAU NY WQKU273 ch. 19, 119.2 km

Proposal is not within the Offshore Radio Service protected area

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 BLANK0000033570 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPXQ-TV	D17	DT	LIC	BLOCK ISLAND, RI	BLANK0000033570	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	71.6 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	71.6
	WPFO	D17	DT	CP	WATERVILLE, ME	BLANK0000027647	329.1
	WYCI	D17	DT	CP	SARANAC LAKE, NY	BLANK0000026588	369.4
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLCDT20090918ABV	332.6
	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	177.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22737.3	3,281,861	22316.0	3,165,749	22165.6	3,114,622	22166.6 3,115,505	-0.00 -0.03
Undesired			Total IX	Unique IX, before		Unique IX, after	
WVH-CD D18 DC BL			55.5 4,071	55.5 4,071			
WVH-CD D18 DC CP			54.5 3,188			54.5 3,188	
WPFO D17 DT CP			54.7 25,949	54.7 25,949		54.7 25,949	
WPHL-TV D17 DT LIC			40.1 21,107	40.1 21,107		40.1 21,107	

Interference to BLANK0000033570 LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPXQ-TV	D17	DT	LIC	BLOCK ISLAND, RI	BLANK0000033570	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	71.6 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	71.6
	WPFO	D17	DT	BL	WATERVILLE, ME	DTVBL84088	329.1
	WYCI	D17	DT	CP	SARANAC LAKE, NY	BLANK0000026588	369.4
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLCDT20090918ABV	332.6
	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	177.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22737.3	3,281,861	22316.0	3,165,749	22166.6	3,114,974	22167.6 3,115,857	-0.00 -0.03
Undesired			Total IX	Unique IX, before		Unique IX, after	
WVH-CD D18 DC BL			55.5 4,071	55.5 4,071			
WVH-CD D18 DC CP			54.5 3,188			54.5 3,188	
WPFO D17 DT BL			53.7 25,597	53.7 25,597		53.7 25,597	

WPHL-TV D17 DT LIC	40.1	21,107	40.1	21,107	40.1	21,107
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Interference to BLANK0000027337 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	284.7
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	304.3
	WUNI	D19	DT	CP	WORCESTER, MA	BLANK0000028427	94.1
	WYPX-TV	D19	DT	CP	AMSTERDAM, NY	BLANK0000026966	147.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20490.8 1,055,124	15929.9 628,471	15300.0 577,130	15298.0 577,130	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0 0	0.0 0	
WVH-CD D18 DC CP	5.1 64	2.0 0	
WMBC-TV D18 DD LIC	18.2 119	7.1 119	6.1 67
WTVH D18 DT CP	66.3 364	41.1 364	41.1 364
WUNI D19 DT CP	533.4 50,858	532.3 50,858	531.3 50,846
WYPX-TV D19 DT CP	48.3 0	22.1 0	22.1 0

Interference to BLANK0000027337 CP, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	284.7
	WTVH	D18	DT	BL	SYRACUSE, NY	DTVBL74151	304.3
	WUNI	D19	DT	CP	WORCESTER, MA	BLANK0000028427	94.1
	WYPX-TV	D19	DT	CP	AMSTERDAM, NY	BLANK0000026966	147.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20490.8 1,055,124	15929.9 628,471	15300.0 577,130	15298.0 577,130	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0 0	0.0 0	
WVH-CD D18 DC CP	5.1 64	2.0 0	

WMBC-TV D18 DD LIC	18.2	119	7.1	119	6.1	67
WTVH D18 DT BL	66.3	364	41.1	364	41.1	364
WUNI D19 DT CP	533.4	50,858	532.3	50,858	531.3	50,846
WYPX-TV D19 DT CP	48.3	0	22.1	0	22.1	0

Interference to BLANK0000027337 CP, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	284.7
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	304.3
	WUNI	D19	DT	BL	WORCESTER, MA	DTVBL30577	94.1
	WYPX-TV	D19	DT	CP	AMSTERDAM, NY	BLANK0000026966	147.6
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	20490.8	1,055,124	15929.9	628,471	15294.0	576,873	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0	0	0
WVH-CD D18 DC CP	5.1	64	2.0
WMBC-TV D18 DD LIC	18.2	119	6.1
WTVH D18 DT CP	66.3	364	41.1
WUNI D19 DT BL	539.4	51,115	537.4
WYPX-TV D19 DT CP	48.3	0	22.1

Interference to BLANK0000027337 CP, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	284.7
	WTVH	D18	DT	BL	SYRACUSE, NY	DTVBL74151	304.3
	WUNI	D19	DT	BL	WORCESTER, MA	DTVBL30577	94.1
	WYPX-TV	D19	DT	CP	AMSTERDAM, NY	BLANK0000026966	147.6
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	20490.8	1,055,124	15929.9	628,471	15294.0	576,873	0.01 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0	0	0.0	0
WVH-CD D18 DC CP	5.1	64		2.0
WMBC-TV D18 DD LIC	18.2	119	7.1	6.1
WTVH D18 DT BL	66.3	364	41.1	364
WUNI D19 DT BL	539.4	51,115	538.4	51,103
WYPX-TV D19 DT CP	48.3	0	22.1	0

Interference to BLANK0000027337 CP, scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDDT20101130AAX	284.7
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	304.3
	WUNI	D19	DT	CP	WORCESTER, MA	BLANK0000028427	94.1
	WYPX-TV	D19	DT	BL	AMSTERDAM, NY	DTVBL13933	147.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20490.8 1,055,124	15929.9 628,471	15299.0 577,130	15297.0 577,130	0.01 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0	0	0.0	0
WVH-CD D18 DC CP	5.1	64		2.0
WMBC-TV D18 DD LIC	18.2	119	7.1	6.1
WTVH D18 DT CP	66.3	364	41.1	364
WUNI D19 DT CP	533.4	50,858	532.3	50,846
WYPX-TV D19 DT BL	49.3	0	23.1	0

Interference to BLANK0000027337 CP, scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDDT20101130AAX	284.7
	WTVH	D18	DT	BL	SYRACUSE, NY	DTVBL74151	304.3
	WUNI	D19	DT	CP	WORCESTER, MA	BLANK0000028427	94.1
	WYPX-TV	D19	DT	BL	AMSTERDAM, NY	DTVBL13933	147.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20490.8 1,055,124	15929.9 628,471	15299.0 577,130	15297.0 577,130	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0 0	0.0 0	
WVH-CD D18 DC CP	5.1 64		2.0 0
WMBC-TV D18 DD LIC	18.2 119	7.1 119	6.1 67
WTVH D18 DT BL	66.3 364	41.1 364	41.1 364
WUNI D19 DT CP	533.4 50,858	532.3 50,858	531.3 50,846
WYPX-TV D19 DT BL	49.3 0	23.1 0	23.1 0

Interference to BLANK0000027337 CP, scenario 7

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDDT20101130AAX	284.7
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	304.3
	WUNI	D19	DT	BL	WORCESTER, MA	DTVBL30577	94.1
	WYPX-TV	D19	DT	BL	AMSTERDAM, NY	DTVBL13933	147.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20490.8 1,055,124	15929.9 628,471	15292.9 576,873	15290.9 576,873	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0 0	0.0 0	
WVH-CD D18 DC CP	5.1 64		2.0 0
WMBC-TV D18 DD LIC	18.2 119	7.1 119	6.1 67
WTVH D18 DT CP	66.3 364	41.1 364	41.1 364
WUNI D19 DT BL	539.4 51,115	538.4 51,115	537.4 51,103
WYPX-TV D19 DT BL	49.3 0	23.1 0	23.1 0

Interference to BLANK0000027337 CP, scenario 8

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDDT20101130AAX	284.7
	WTVH	D18	DT	BL	SYRACUSE, NY	DTVBL74151	304.3

WUNI	D19	DT	BL	WORCESTER, MA	DTVBL30577	94.1
WYPX-TV	D19	DT	BL	AMSTERDAM, NY	DTVBL13933	147.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20490.8 1,055,124	15929.9 628,471	15292.9 576,873	15290.9 576,873	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0 0	0.0 0	
WVH-CD D18 DC CP	5.1 64		2.0 0
WMBC-TV D18 DD LIC	18.2 119	7.1 119	6.1 67
WTVH D18 DT BL	66.3 364	41.1 364	41.1 364
WUNI D19 DT BL	539.4 51,115	538.4 51,115	537.4 51,103
WYPX-TV D19 DT BL	49.3 0	23.1 0	23.1 0

Interference to DTVBL69271 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	

Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	284.7
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	304.3
	WUNI	D19	DT	CP	WORCESTER, MA	BLANK0000028427	94.1
	WYPX-TV	D19	DT	CP	AMSTERDAM, NY	BLANK0000026966	147.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20522.1 1,056,184	15964.2 629,169	15329.3 577,730	15326.2 577,711	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0 0	0.0 0	
WVH-CD D18 DC CP	6.1 83		3.0 19
WMBC-TV D18 DD LIC	17.2 119	7.1 119	6.1 67
WTVH D18 DT CP	69.3 364	44.1 364	44.1 364
WUNI D19 DT CP	536.4 50,956	535.4 50,956	534.4 50,944
WYPX-TV D19 DT CP	47.3 0	21.1 0	21.1 0

Interference to DTVBL69271 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	

Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
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WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
WVH-TV	D18	DD	LIC	NEWTON, NJ	BLCDD20101130AAX	284.7
WTVH	D18	DT	BL	SYRACUSE, NY	DTVBL74151	304.3
WUNI	D19	DT	CP	WORCESTER, MA	BLANK0000028427	94.1
WYPX-TV	D19	DT	CP	AMSTERDAM, NY	BLANK0000026966	147.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20522.1 1,056,184	15964.2 629,169	15329.3 577,730	15326.2 577,711	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0 0	0.0 0	
WVH-CD D18 DC CP	6.1 83		3.0 19
WVH-TV D18 DD LIC	17.2 119	7.1 119	6.1 67
WTVH D18 DT BL	69.3 364	44.1 364	44.1 364
WUNI D19 DT CP	536.4 50,956	535.4 50,956	534.4 50,944
WYPX-TV D19 DT CP	47.3 0	21.1 0	21.1 0

Interference to DTVBL69271 BL, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WVH-TV	D18	DD	LIC	NEWTON, NJ	BLCDD20101130AAX	284.7
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	304.3
	WUNI	D19	DT	BL	WORCESTER, MA	DTVBL30577	94.1
	WYPX-TV	D19	DT	CP	AMSTERDAM, NY	BLANK0000026966	147.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20522.1 1,056,184	15964.2 629,169	15327.3 577,950	15324.2 577,931	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0 0	0.0 0	
WVH-CD D18 DC CP	6.1 83		3.0 19
WVH-TV D18 DD LIC	17.2 119	7.1 119	6.1 67
WTVH D18 DT CP	69.3 364	44.1 364	44.1 364
WUNI D19 DT BL	538.4 50,736	537.4 50,736	536.4 50,724
WYPX-TV D19 DT CP	47.3 0	21.1 0	21.1 0

Interference to DTVBL69271 BL, scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	284.7
	WTVH	D18	DT	BL	SYRACUSE, NY	DTVBL74151	304.3
	WUNI	D19	DT	BL	WORCESTER, MA	DTVBL30577	94.1
	WYPX-TV	D19	DT	CP	AMSTERDAM, NY	BLANK0000026966	147.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
20522.1	1,056,184	15964.2	629,169	15327.3	577,950	15324.2	577,931	0.02	0.00

Undesired			Total IX		Unique IX, before		Unique IX, after
WVH-CD D18 DC BL	0.0		0	0.0	0		
WVH-CD D18 DC CP	6.1		83			3.0	19
WMBC-TV D18 DD LIC	17.2		119	7.1	119	6.1	67
WTVH D18 DT BL	69.3		364	44.1	364	44.1	364
WUNI D19 DT BL	538.4		50,736	537.4	50,736	536.4	50,724
WYPX-TV D19 DT CP	47.3		0	21.1	0	21.1	0

Interference to DTVBL69271 BL, scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	284.7
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	304.3
	WUNI	D19	DT	CP	WORCESTER, MA	BLANK0000028427	94.1
	WYPX-TV	D19	DT	BL	AMSTERDAM, NY	DTVBL13933	147.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
20522.1	1,056,184	15964.2	629,169	15327.3	577,730	15324.2	577,711	0.02	0.00

Undesired			Total IX		Unique IX, before		Unique IX, after
WVH-CD D18 DC BL	0.0		0	0.0	0		
WVH-CD D18 DC CP	6.1		83			3.0	19
WMBC-TV D18 DD LIC	17.2		119	7.1	119	6.1	67
WTVH D18 DT CP	69.3		364	44.1	364	44.1	364
WUNI D19 DT CP	536.4		50,956	535.4	50,956	534.4	50,944
WYPX-TV D19 DT BL	49.3		0	23.1	0	23.1	0

Interference to DTVBL69271 BL, scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	284.7
	WTVH	D18	DT	BL	SYRACUSE, NY	DTVBL74151	304.3
	WUNI	D19	DT	CP	WORCESTER, MA	BLANK0000028427	94.1
	WYPX-TV	D19	DT	BL	AMSTERDAM, NY	DTVBL13933	147.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
20522.1	1,056,184	15964.2	629,169	15327.3	577,730	15324.2 577,711	0.02 0.00
Undesired			Total IX	Unique IX, before		Unique IX, after	
WVH-CD D18 DC BL			0.0	0		0	
WVH-CD D18 DC CP			6.1	83		3.0 19	
WMBC-TV D18 DD LIC			17.2	119		6.1 67	
WTVH D18 DT BL			69.3	364		44.1 364	
WUNI D19 DT CP			536.4	50,956		534.4 50,944	
WYPX-TV D19 DT BL			49.3	0		23.1 0	

Interference to DTVBL69271 BL, scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	284.7
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	304.3
	WUNI	D19	DT	BL	WORCESTER, MA	DTVBL30577	94.1
	WYPX-TV	D19	DT	BL	AMSTERDAM, NY	DTVBL13933	147.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
20522.1	1,056,184	15964.2	629,169	15325.3	577,950	15322.2 577,931	0.02 0.00
Undesired			Total IX	Unique IX, before		Unique IX, after	
WVH-CD D18 DC BL			0.0	0		0	
WVH-CD D18 DC CP			6.1	83		3.0 19	
WMBC-TV D18 DD LIC			17.2	119		6.1 67	
WTVH D18 DT CP			69.3	364		44.1 364	
WUNI D19 DT BL			538.4	50,736		536.4 50,724	

WYPX-TV D19 DT BL	49.3	0	23.1	0	23.1	0
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Interference to DTVBL69271 BL, scenario 8

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	231.1 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDDT20101130AAX	284.7
	WTVH	D18	DT	BL	SYRACUSE, NY	DTVBL74151	304.3
	WUNI	D19	DT	BL	WORCESTER, MA	DTVBL30577	94.1
	WYPX-TV	D19	DT	BL	AMSTERDAM, NY	DTVBL13933	147.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20522.1 1,056,184	15964.2 629,169	15325.3 577,950	15322.2 577,931	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	0.0 0	0.0 0	
WVH-CD D18 DC CP	6.1 83	3.0 19	
WMBC-TV D18 DD LIC	17.2 119	6.1 67	
WTVH D18 DT BL	69.3 364	44.1 364	
WUNI D19 DT BL	538.4 50,736	537.4 50,736	
WYPX-TV D19 DT BL	49.3 0	23.1 0	

Interference to BLCDDT20101130AAX LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDDT20101130AAX	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	163.8 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	163.8
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLCDDT20090918ABV	126.8
	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	284.7
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	280.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
23248.5 18,703,576	22154.8 18,483,495	21984.6 18,462,231	21984.6 18,462,231	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL	1.0 42	1.0 42	
WVH-CD D18 DC CP	1.0 42	1.0 42	
WPHL-TV D17 DT LIC	116.8 14,768	116.8 14,768	

WEKW-TV D18 DT CP	18.1	2,822	14.1	2,061	14.1	2,061
WTVH D18 DT CP	38.3	4,393	34.2	3,632	34.2	3,632

Interference to BLCDT20101130AAX LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	163.8 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	163.8
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLCDT20090918ABV	126.8
	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	284.7
	WTVH	D18	DT	BL	SYRACUSE, NY	DTVBL74151	280.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
23248.5 18,703,576		22154.8 18,483,495		21984.6 18,462,231		21984.6 18,462,231	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WVH-CD D18 DC BL		1.0 42		1.0 42			
WVH-CD D18 DC CP		1.0 42				1.0 42	
WPHL-TV D17 DT LIC		116.8 14,768		116.8 14,768		116.8 14,768	
WEKW-TV D18 DT CP		18.1 2,822		13.1 1,678		13.1 1,678	
WTVH D18 DT BL		39.3 4,776		34.2 3,632		34.2 3,632	

Interference to BLCDT20101130AAX LIC, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	163.8 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	163.8
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLCDT20090918ABV	126.8
	WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	284.7
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	280.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
23248.5 18,703,576		22154.8 18,483,495		21984.6 18,462,231		21984.6 18,462,231	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WVH-CD D18 DC BL		1.0 42		1.0 42			
WVH-CD D18 DC CP		1.0 42				1.0 42	
WPHL-TV D17 DT LIC		116.8 14,768		116.8 14,768		116.8 14,768	
WEKW-TV D18 DT BL		18.1 2,822		14.1 2,061		14.1 2,061	

WTVH D18 DT CP 38.3 4,393 34.2 3,632 34.2 3,632

Interference to BLCDT20101130AAX LIC, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	
Undesireds:	WVH-CD	D18	DC	BL	SOUTHAMPTON, NY	DTVBL70158	163.8 km
	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	163.8
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLCDT20090918ABV	126.8
	WEKW-TV	D18	DT	BL	KEENE, NH	DTVBL69271	284.7
	WTVH	D18	DT	BL	SYRACUSE, NY	DTVBL74151	280.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
23248.5 18,703,576	22154.8 18,483,495	21984.6 18,462,231	21984.6 18,462,231	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVH-CD D18 DC BL 1.0	42	1.0 42	
WVH-CD D18 DC CP 1.0	42		1.0 42
WPHL-TV D17 DT LIC 116.8	14,768	116.8 14,768	116.8 14,768
WEKW-TV D18 DT BL 18.1	2,822	13.1 1,678	13.1 1,678
WTVH D18 DT BL 39.3	4,776	34.2 3,632	34.2 3,632

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVH-CD	D18	DC	CP	SOUTHAMPTON, NY	BLANK0000026594	
Undesireds:	WPXQ-TV	D17	DT	LIC	BLOCK ISLAND, RI	BLANK0000033570	71.6 km
	WEKW-TV	D18	DT	CP	KEENE, NH	BLANK0000027337	231.1
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	163.8

Service area	Terrain-limited	IX-free	Percent IX
2610.4 80,171	2605.4 80,171	2586.2 79,788	0.74 0.48

Undesired	Total IX	Unique IX	Prcnt Unique IX
WPXQ-TV D17 DT LIC 3.0	0	1.0 0	0.04 0.00
WMBC-TV D18 DD LIC 18.2	383	16.2 383	0.62 0.48

70158	BLDTA20110902AAP	WVH-CD	18	SOUTHAMPTON	NY	DC	1094	70066	1094	70066	1094	70066
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Interference free population is 113.9% of baseline population.

LM Station Protection

It is acknowledged that predicted interference to LM stations located in Nassau County over one hundred kilometers distant is shown in the TVStudy software output. This was coordinated with the Video Division staff prior to the current CH 18 CP grant. It was agreed that normal techniques to protect adjacent channel wireless licenses will be used to protect the CH 19 wireless licenses. It is noted that the ERP proposed to the west has been reduced slightly in the instant application.

Conclusion

Based on the information supplied herein, and accompanying application for construction permit, it is believed that the proposed facilities meet all applicable FCC requirements for modification of construction permit.

The foregoing was prepared on behalf of Video Voice, Inc. by Clarence M. Beverage of *Communications Technologies, Inc.*, Marlton, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. The undersigned certifies, under penalty of perjury, that the statements herein are true and correct of his own knowledge, except such statements made on information and belief, and as to these statements he believes them to be true and correct.



By _____

Clarence M. Beverage
for Communications Technologies, Inc.
Marlton, New Jersey
November 1, 2017

