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ENGINEERING EXHIBIT EE-1:

KM LPTV OF CHICAGO-13, L.L.C.

**CLASS A TELEVISION STATION WOCK-CA
CHANNEL 13, CHICAGO, IL**

**APPLICATION FOR AUTHORITY TO MAKE
CHANGES IN A CLASS A TELEVISION BROADCAST STATION**

JUNE 1, 2007

**FCC FACILITY NUMBER
35092**

**ENGINEERING EXHIBIT
IN SUPPORT OF
AN APPLICATION FOR AUTHORITY TO MAKE
CHANGES IN A CLASS A TELEVISION BROADCAST STATION**

**CLASS A TELEVISION STATION WOCK-CA
CHICAGO, ILLINOIS**

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TABLE OF CONTENTS:

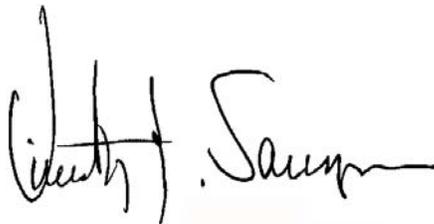
1. F.C.C. Form 301-CA, Section III
2. F.C.C. Form 301, Section III (certification)
3. Declaration of Engineer
4. Narrative Statement
5. Figure 1, Predicted 74 dBu Coverage Contours
6. Figure 2, Directional Antenna Details
7. Figure 3, Allocation Study

DECLARATION

I, Timothy Z. Sawyer, declare and that I have provided engineering services in the area of telecommunications since 1969. My qualifications are a matter of record with the Federal Communications Commission. I am a senior engineer with the firm of Mullaney Engineering, Inc., consulting radio telecommunications engineers with offices in Gaithersburg, Maryland.

The firm of Mullaney Engineering, Inc., has been retained by KM LPTV OF CHICAGO-13, L.L.C., to prepare the instant engineering exhibit in support of *an application for authority to make changes in a Class A Television Broadcast Station WOCK-CA Chicago, Illinois.* (FCC FACILITY ID NUMBER: 35092).

All facts contained herein are true of my own knowledge except those stated to be on information and belief, and as to those facts, I believe them to be true. I declare under the penalty of perjury that the foregoing is true and correct.

A handwritten signature in black ink, appearing to read "Timothy Z. Sawyer". The signature is written in a cursive style with a large initial "T" and "S".

Digitized Signature - Original ON FILE - Timothy Z. Sawyer

Timothy Z. Sawyer

Executed on the 1st day of June 2007

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NARRATIVE STATEMENT:

I. GENERAL:

This engineering statement and the instant engineering exhibit of which it is part has been prepared on behalf of KM LPTV OF CHICAGO-13, L.L.C., (hereinafter "KM").

By means of the instant application, KM proposes to make permissive minor changes to the directional antenna system utilized by station WOCK-CA and its location.

Specifically KM proposes to change the directional antenna from a 4-bay antenna to a 2-bay antenna. No change in the relative field of the horizontal plan pattern will occur. The pattern shape is identical to that currently authorized.

Only a slight change in the antenna location (and its elevation) atop the John Hancock Building in Chicago will occur.

Currently WOCK-CA operates on Television Channel 13 employing an effective radiated power (ERP) of 3.0 kilowatts toward the radio horizon. WOCK proposes to decrease the maximum power at the horizon to 2.4 kilowatts. The minor reduction in power is a result of the slight increase in antenna height.

By decreasing the ERP of the station slightly, there will be no gain area as a result of increasing the antenna height.

The facilities will be built to comply with the *FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields* and the instant proposal is categorically excluded from environmental processing pursuant to the provisions of Section 1.1306 of the Commission's Rules. A more detailed discussion of environmental factors is included under the heading Environmental Considerations below.

Information requested by exhibits in response to questions on Section III of FCC Form 301-CA is incorporated in the following paragraphs, figures, and tables.

Processing of this application is requested under the rules currently in effect at the time of filing.

II. ENGINEERING DISCUSSION:

A. Transmitter/Antenna Location:

KM proposes to relocate its directional antenna atop the John Hancock Building from the East Tower to the West tower. In order to accommodate the antenna on the West tower (FCC Tower Registration Number: 1009013) the overall vertical aperture of the antenna has been reduced from four bays to two bays.

The antenna will be side-mounted on the west tower of the John Hancock Building with a center of radiation at 1280 feet (390.1 meters) above ground level (AGL), 1873 feet (570.9 meters) above mean sea level (AMSL).

B. Coverage & Service Contours:

Figure 1, is a map showing the location of the present and proposed 74 dBu f(50,50) contours. As can be seen from this figure, the contours are identical.

C. Proposed Antenna:

As stated previously, the antenna consists of two bays (or levels), each bay consisting of two elements. One element is pointed at 220 degrees true and the other at 350 degrees true. Equal power division is employed to all elements.

The antenna is a custom composite antenna consisting of four horizontally polarized Scala CL-713 yagi antenna elements (two elements per bay/level). Information regarding the antenna is included in Figure 2. There are no changes in the horizontal radiation pattern of the antenna from that currently authorized. The maximum power at any angle (i.e. below or above the horizon) will not exceed 3-kilowatts.

C. Allocation Study:

Relocation of the WOCK-CA atop the John Hancock building will not result in an increase in interference to any full service analog or digital television stations, Class A television stations, TV translator stations or any existing DTV allotments or applications or result in an increase in service area outside of the current authorized service area.

The Commission's LP-1 computer program and the Longley Rice propagation method described in OET Bulletin No. 69 were used in this determination. The results of the OET styled study are contained within Figure 3.

D. Environmental Considerations:

The applicant believes its proposal will not significantly affect the environment for the following reasons.

The proposal does not meet any of the criteria specified in Section 1.1307 of the FCC Rules. More specifically, the proposed facilities are not known to fall within any of the categories enumerated in Sections 1.1307(a)(1)-(7) and will not involve the use of high intensity white lights. Furthermore, operation of the proposed facility will not involve the exposure of workers or the general public to levels of radio frequency electromagnetic fields exceeding guidelines adopted by the Federal Communications Commission. (The current FCC guidelines are based upon criteria contained in the National Council of Radiation Protection and Measurements (NCRP) Report No.86 (1986) and ANSI/IEEE C95.1-1992.)

With regard to the last item, the WOCK-CA antenna is to be mounted on the west tower atop the John Hancock building in a very complex radiofrequency environment. The building roof is inaccessible to the general public.

Based upon a worst case downward relative field value of 0.5 for all angles 20 degrees or greater below the horizon and a maximum peak horizontal power of 3- kilowatts, and an antenna height of 53 meters above the rooftop. The power density level 2 meters above the roof top is predicted to be 0.0045 mW/cm² or less. The computed power density is 0.45 percent of the Commission's guidelines for a controlled area and 2.25 percent of an uncontrolled area - no further study from the proposal is required.

However, after commissioning of the proposed facility, power density measurements will be taken to determine the contribution of the WOCK-CA

facility to the current radiation levels on the building roof. These measurements will be supplied to the Commission (if necessary) at the time of filing an application for station license.

The applicant will fully-cooperate and coordinate with all site users as required by the Commission's rules.

III. SUMMARY:

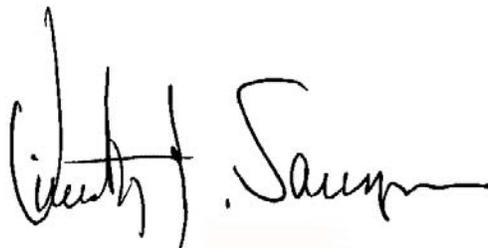
KM proposes to MODIFY the facilities of Class A Television Station WOCK-CA utilizing a DIRECTIONAL ANTENNA SYSTEM. The proposed station will operate on Television Channel 13.

Operation as proposed herein would not cause/increase any normally prohibited contour overlap, and would not have any significant impact on the environment.

The proposed operation will not create any new interference to other facilities or receive any new interference.

The proposed operation is fully in compliance with all other areas of the Commission's rules and applicable international agreements.

1 June 2007

A handwritten signature in black ink, appearing to read "Timothy Z. Sawyer". The signature is written in a cursive, flowing style.

Digitized Signature - Original ON FILE - Timothy Z. Sawyer

Timothy Z. Sawyer

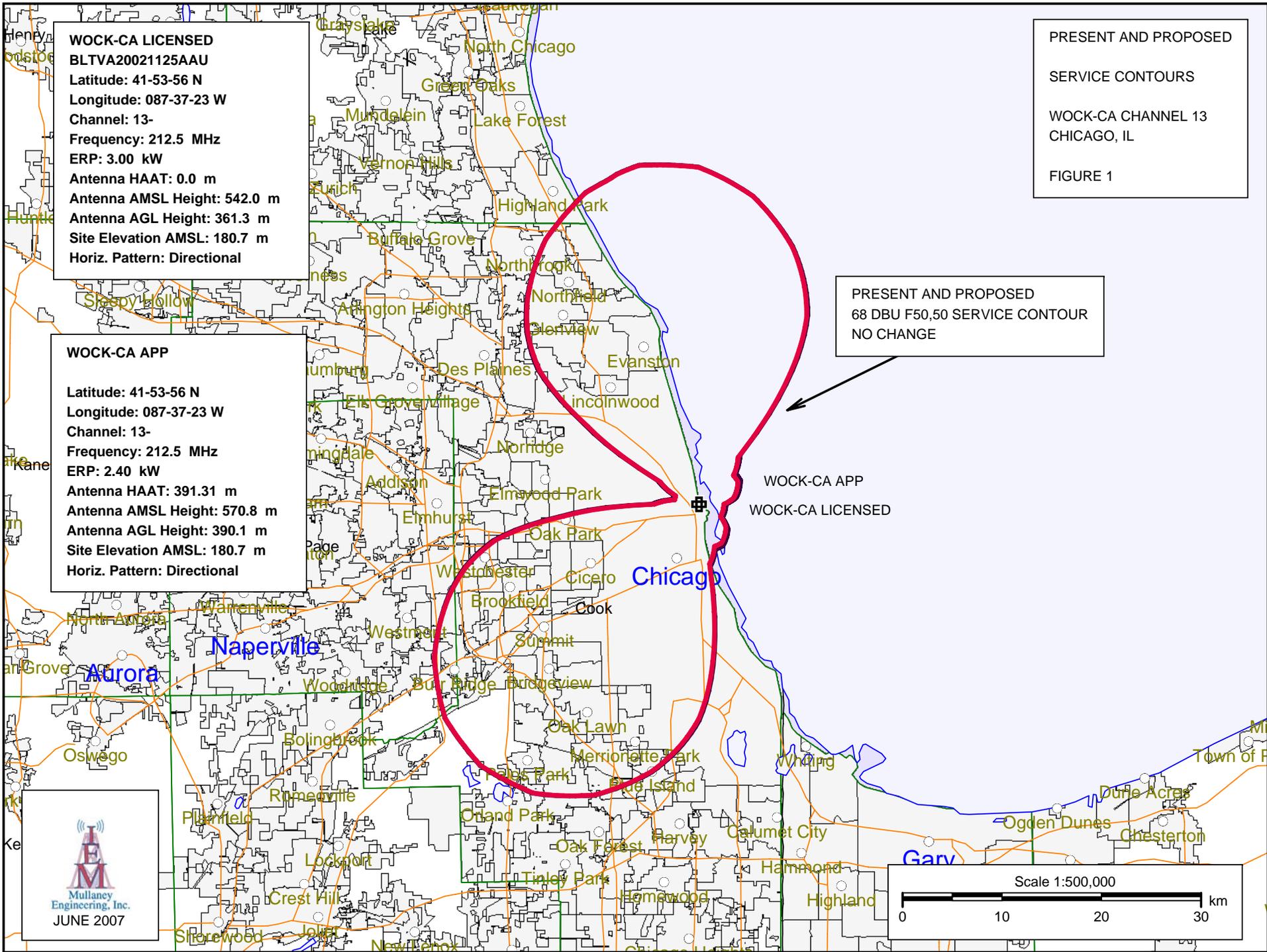
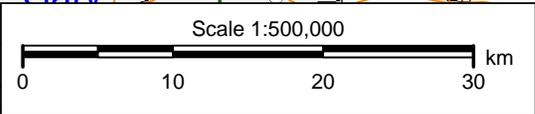
WOCK-CA LICENSED
 BLTVA20021125AAU
 Latitude: 41-53-56 N
 Longitude: 087-37-23 W
 Channel: 13-
 Frequency: 212.5 MHz
 ERP: 3.00 kW
 Antenna HAAT: 0.0 m
 Antenna AMSL Height: 542.0 m
 Antenna AGL Height: 361.3 m
 Site Elevation AMSL: 180.7 m
 Horiz. Pattern: Directional

WOCK-CA APP
 Latitude: 41-53-56 N
 Longitude: 087-37-23 W
 Channel: 13-
 Frequency: 212.5 MHz
 ERP: 2.40 kW
 Antenna HAAT: 391.31 m
 Antenna AMSL Height: 570.8 m
 Antenna AGL Height: 390.1 m
 Site Elevation AMSL: 180.7 m
 Horiz. Pattern: Directional

PRESENT AND PROPOSED
 SERVICE CONTOURS
 WOCK-CA CHANNEL 13
 CHICAGO, IL
 FIGURE 1

PRESENT AND PROPOSED
 68 DBU F50,50 SERVICE CONTOUR
 NO CHANGE

WOCK-CA APP
 WOCK-CA LICENSED



Antenna Pattern SCA CL-713(COMPOSITE) FIGURE 2

Azimuth (deg)	Effective Field
0.0	0.955
10.0	0.822
20.0	0.622
30.0	0.379
40.0	0.059
50.0	0.040
60.0	0.040
70.0	0.035
80.0	0.030
90.0	0.020
100.0	0.020
110.0	0.020
120.0	0.020
130.0	0.030
140.0	0.035
150.0	0.040
160.0	0.040
170.0	0.059
180.0	0.379
190.0	0.622
200.0	0.822
210.0	0.955
220.0	1.000
230.0	0.946
240.0	0.807
250.0	0.602
255.0	0.490
260.0	0.359
265.0	0.173
270.0	0.040
280.0	0.020
290.0	0.020
300.0	0.040
305.0	0.173
310.0	0.359
315.0	0.490
320.0	0.602
330.0	0.807
340.0	0.946
350.0	1.000

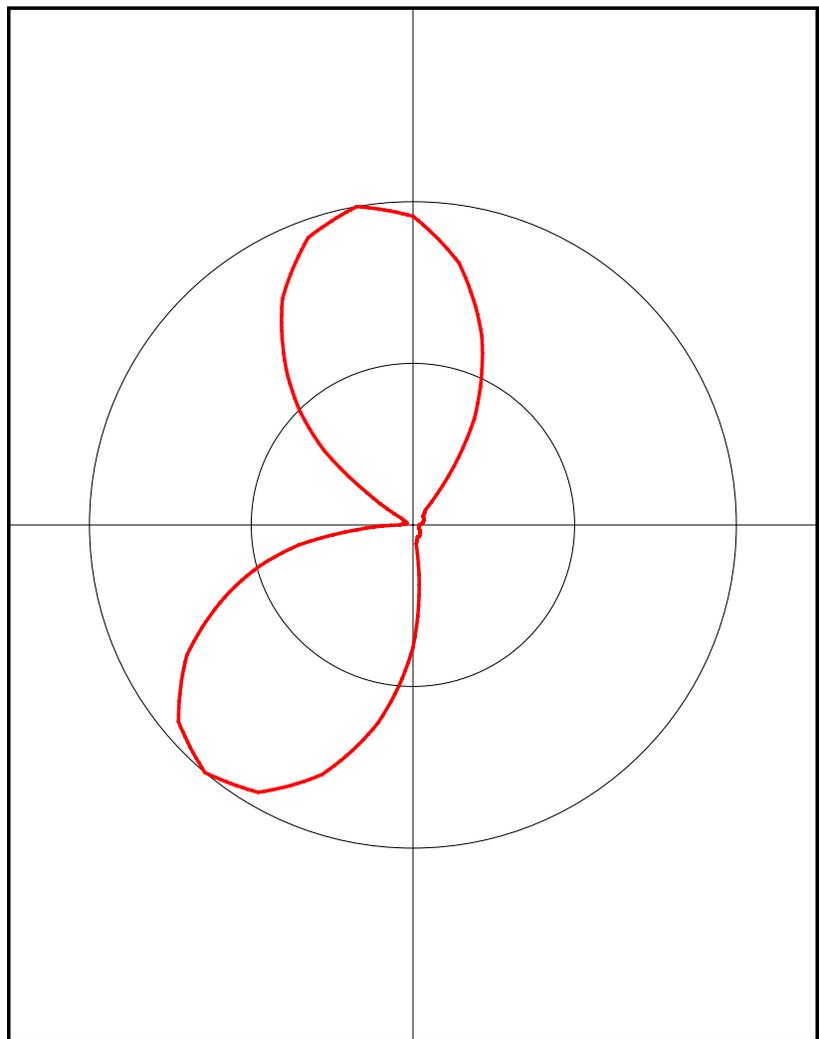


FIGURE 3 - OET BULLETIN NO. 69 INTERFERENCE REPORT SUMMARY

Outgoing Interference Population Report

WOCK-CA APP (13-) Chicago, IL
 Broadcast Type: NTSC Service: C
 Lat: 41-53-56 N Lng: 087-37-23 W ERP: 2.4 kW AMSL: 570.8 m
 Signal Resolution: 1.0 km
 Consider NTSC Taboo: Yes
 Contours calculated using 8 radial HAAT.
 LR Profile Spacing Increment: 1.0 km
 Masked interference points are being counted
 as interference free.
 Using LPTV/translator D/U rules.
 Pop Centroid DB: 1990 US Census
 Primary Terrain: NED 3 Second US Terrain
 Secondary Terrain: V-Soft 30 Second World Terrain

 Stations Considered:

Call Letters	City	State	Dist	Bear
WOCK-L-D.C (12)	Chicago	IL	0.0	0.0
WREXTV (13Z)	Rockford	IL	140.9	288.8
WPXS (13Z)	Mt. Vernon	IL	388.5	197.0
WTHR (13-)	Indianapolis	IN	250.2	150.5
W13BQ (13+)	Portage	IN	47.1	130.2
W13BQ.C (13+)	Portage	IN	47.1	130.2
WYGN-L (12+)	Berrien Springs	MI	105.8	85.8
WZZMTV (13+)	Grand Rapids	MI	210.4	41.3
WTVG (13Z)	Toledo	OH	350.6	92.5
WISNTV (12Z)	Milwaukee	WI	137.0	349.6
WMLW-L-D.C (13)	Milwaukee	WI	137.1	349.5
WEAUTV (13+)	Eau Claire	WI	409.5	319.7

Call	Area	HUnits	Contour	Masked Ix	Unmasked Ix	%
WOCK-L-D.C (12)	0.0	0	5,318,849	0	0	0.0
WREXTV (13Z)	251.5	3,046	1,556,713	85,276	7,898	0.5
WPXS (13Z)	0.0	0	713,034	0	0	0.0
WTHR (13-)	0.0	0	2,325,306	0	0	0.0
W13BQ (13+)	0.0	0	10,220	0	0	0.0
W13BQ.C (13+)	0.0	0	82,263	0	0	0.0
WYGN-L (12+)	0.0	0	27,235	0	0	0.0
WZZMTV (13+)	0.0	0	1,213,142	0	0	0.0
WTVG (13Z)	0.0	0	4,339,264	0	0	0.0
WISNTV (12Z)	0.0	0	2,525,597	92	0	0.0
WMLW-L-D.C (13)	0.0	0	1,416,428	0	0	0.0
WEAUTV (13+)	0.0	0	854,091	0	0	0.0