SECTION V-D - DTV BROADCAST ENGINEERING DATA

and therefore will not come within 47 C.F.R. Section 1.1307.

FOR COMMISSION USE ONLY File No. SSB Referral Date Referred By

Name of Applicant

Complete Questions 1-5 of the Certification Checklist and provide all data and information for the proposed facility, as requested in Items 1-22, below. If an item is not applicable, enter N/A.

Certification Checklist: A correct answer of "Yes" to all of the questions below will ensure an expeditious grant of a construction permit. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.

- The proposed DTV facility complies with 47 C.F.R. Sections 73.622 and 73.623 in the following 1. respects:
 - Yes It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622. (a) Yes (b) It will operate from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622. Yes It will operate with an effective radiated power (ERP) and antenna height above average (c) terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622. The proposed facility will not have a significant environmental impact, including exposure of workers Yes or the general public to levels of RF radiation exceeding the applicable health and safety guidelines,
- 3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community.
- The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, 4. radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable.
- The antenna structure to be used by this facility has been registered by the Commission and will not 5. require reregistration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.

Application Data:

1. Channel	
------------	--

2.

- (a) DTV Channel No.
- (b) Associated analog TV station channel no., if any

Principal community to be served: 2.

City or Town	State

3.	Effective radiated power (average power): (in the main lobe of radiation, if directional)	kw

4. Height of antenna radiation center above average terrain (HAAT): (to the nearest meter) Yes

Yes

Yes

No

meters

Section V-D -D TV BROADCAST ENGINEERING DATA (Page 2)

5. **Purpose of Application:** (check appropriate boxes)

	Construct a new (main) facility		Construct a new auxiliary facility
	Modify construction permit for main facility		Modify construction permit for auxiliary antenna
	Modify licensed main facility		Modify licensed auxiliary antenna
	se is to modify, indicate the nature of change(s) by checkin ations affected.	ıg appı	ropriate box(es) and specify the file number(s) of the
	Antenna supporting structure height		Effective radiated power
	Antenna height above average terrain		Channel
	Antenna location		Antenna system
	Other (summarize)		
File	Number(s)	_	

6. Exact location of transmitting antenna..

towers, as well as location of any FM radiator.

- (a) Give address, city/state or if no address, specify distance and bearing relative to the nearest town or landmark.
- (b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates or center of array. Otherwise, specify tower location. Specify South Latitude and East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed. (The Commission requires coordinates based on NAD 27.)

Latitud	le	0	,	11	Longitude	0	1	I
7. (a) Ele	vation (to the neares	t meter)					
	(1)	of site above mean	sea level;					meters
	(2)	(2) of the top of supporting structure above ground (including antenna, all other appurtenances, meter and lighting, if any); and				——— meters		
	(3)	of the top of suppo	rting structure ab	ove mean sea	level $[(a)(1) + (a)$	(2)].		meters
(b) Hei	Height of radiation center: (to the nearest meter)						
	(1)	above ground; and						meters
	(2)	above mean sea lev	vel $[(a)(1) + (b)(1)]$])];				meters
		s an Exhibit sketch(If mounted on an Al		•	•	-		xhibit No.

Section V-D -D TV BROADCAST ENGINEERING DATA (Page 3)

9.	Ant	enna	
	(a)	Manufacturer (b) Model No	
	(c)	Is a directional antenna proposed?	Yes No
		If Yes, specify major lobe azimuth(s) degrees True and attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c).	Exhibit No.
	(d)	Is electrical beam tilt proposed?	Yes No
		If Yes, specify degrees electrical beam tilt and attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c).	Exhibit No.
	(e)	Is mechanical beam tilt proposed?	Yes No
		If Yes, specifydegrees mechanical beam tilt toward azimuthTrue and attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c).	Exhibit No.
	(f)	The proposed antenna is: (check only one box)	
		Horizontally polarized Circularly polarized Elliptically polarized Other	::
whe licer info	neven nsees rmati	July 1, 1996, the Commission adopted rules which require Antenna Structure owners to apply for a rantenna structures meet FAA notification criteria. As owners register these structures they are with a copy of FCC Form 854R which provides the antenna structure registration number. (If on contact the FCC's Consumer Assistance Branch at 1-800-322-1117 for a copy of FACT S Registration.)	e required to provide you need additional
10.		l the antenna be mounted on an antenna structure which has been registered with the Commission, nclude the proposed antenna installation?	Yes No
	If Y 15.	es, provide the seven digit registration number and, unless item 11 also applies, proceed to item	
11.		the owner of the antenna structure filed an application for registration with the Commission that include the proposed facility?	Yes No
	If ye	es, provide the date FCC Form 854 was filed and proceed to item 15.	
12.	regi	applicable) If the antenna structure is not yet registered but will be under the Commission's phased stration plan, has the FAA previously determined that the structure would not adversely affect sty in air navigation?	Yes No
	If Y	es, proceed to item 15.	
13.	by 1 cong strue	enna structure will be shielded by existing structures of a permanent and substantial character or natural terrain or topographic features of equal or greater height, and would be located in the gested area of a city, town or settlement where it is evident beyond all reasonable doubt that the cture is so shielded that it will not adversely affect safety in air navigation, and therefore does not hire registration.	Yes No
		es, submit as an Exhibit a detailed explanation and/or diagram to support your claim and skip to a 15.	Exhibit No.

Section V-D -D TV BROADCAST ENGINEERING DATA (Page 4)

14.	14. Antenna structure does not otherwise meet FAA Notification as defined under 47 C.F.R. Section 17.7 Yes and therefore does not require registration.				
	If Yes, give reason below.				
15.	Is the supporting structure the same as that of another station(s) or proposed i application(s)?	n another pending	Yes	No No	
	If Yes, give call letter(s) or file number(s) or both.				
16 I	Does the application propose to correct previous site coordinates?		Yes	No No	
1	If Yes, list old coordinates.				
Lati	itude 0 , " Longitude	0 ,		n	
17.	Attach as an Exhibit a topographic map that shows clearly, legibly, and accurproposed transmitting antenna. This map must comply with the provisio 73.625(b). The map must further display clearly and legibly the original data as well as latitude and longitude markings, and must bear a scale of distance.	ns of 47 C.F.R. Section printed contour lines and	Exhibit N	lo.	
18.	Attach as an Exhibit a map (<i>Sectional Aeronautical Chart or equivalen</i> legibly, and accurately, and with the original printed latitude and longitude distance in kilometers:		Exhibit N	10.	
	 (a) the proposed transmitting location, and the radials along which profile g (b) the DTV coverage contour as established in 47 C.F.R. Section 73.625(b) (c) the legal boundaries of the principal community to be served. 				
19.	Terrain and coverage data (to be calculated in accordance with 47 C.F.R. Sec	tion 73.625(b))			
	Source of terrain data: (check only one box below)				
	Linearly interpolated 30-second database (Source:)		
	Linearly interpolated 3-second database (Source:)		

7.5 minute topographic map

Other (briefly summarize)

Section V-D -D TV BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted distance to the DTV Coverage Contour (kilometers)
*		
0		
45		
90		
135		
180		
225		
270		
315		

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Does the proposed facility satisfy the interference protection provisions of 47 C.F.R. Section Yes 73.623(a)? (Applicable only if **Certification Checklist** items 1(a), (b), or (c) are answered "No.")

If No, attach as an Exhibit justification therefore, including a summary of any related previously granted waivers.

- 21. If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if **Certification Checklist** item 3 is answered "No.")
- 22. Environmental Statement. (See 47 C.F.R. Section 1.1301 et seq.)
 - (a) If a Commission grant of this application comes within 47 C.F.R. Section 1.1307, such that it may have a significant environmental impact, submit as an Exhibit an Environmental Assessment required by 47 C.F.R. Section 1.1311.
 - (b) If No, explain briefly why not.
 - (c) Pursuant to OST Bulletin No. 65, the applicant must explain in an Exhibit what steps will be taken to limit the RF radiation exposure to the public and to persons authorized access to the tower site. In addition, where there are multiple contributors to radio frequency radiation, you must certify that the established RF radiation exposure procedures will be coordinated with all stations.

Exhibit No.

Exhibit No.

Exhibit No.

No

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Relationship to Applicant (e.g., Consulting Engineer)
Signature	Address (include ZIP Code)
Date	Telephone No. (include Area Code)