Approved by OMB 3060-0678

Date & Time Filed: File Number: ---Callsign/Satellite ID:

APPLICATION FOR EARTH STATION AUTHORIZATIONS

FCC 312 MAIN FORM FOR OFFICIAL USE ONLY

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

Amendment for Cox TV Tulsa T/R Earth Station

1-8. Legal Name of Applicant

Name: Cox Television Tulsa, LLC Phone Number: 918-491-0023

DBA

Name: Fax Number:

Street: 2625 South Memorial Drive E-Mail:

City: Tulsa State: OK

Country: USA Zipcode: 74129 -

Attention: General Manager

9-16. Name of Contact Representative

Name: Michael D. Basile Phone Number: 202-776-2556

Company: Cooley LLP Fax Number:

Street: 1299 Pennsylvania Avenue, NW E-Mail: mdbasile@cooley.com

Suite 700

City: Washington State: DC

Country: USA Zipcode: 20004-

Attention: Michael Basile Relationship: Legal Counsel

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

a.

a1. Earth Station(N/A) a2. Space Station

b1. Application for License of New Station

O b2. Application for Registration of New Domestic Receive-Only Station

(N/A) b3. Amendment to a Pending Application

(N/A) b4. Modification of License or Registration

(N/A) b5. Assignment of License or Registration

(N/A) b6. Transfer of Control of License or Registration

(N/A) b7. Notification of Minor Modification

(N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite

(N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States

• b10. Other (Please specify)

b11. Application for Earth Station to Access a Non-U.S.satellite Not Currently

	Authorized to Provide t United States.	the Proposed Serv	vice in the Proposed Frequencies in the					
17c. Is a fee submitted with this app	lication?							
If Yes, complete and attach FCC	Form 159.							
	If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).							
Governmental Entity Noncon		ensee						
Other(please explain): Amendme	ent							
17d.								
Fee Classification								
18. If this filing is in reference to	19. If this filing is an a	mendment to a pe	ending application enter:					
an existing station, enter:	(a) Date pending appli	cation was filed:	(b) File number of pending application:					
(a) Call sign of station: Not Applicable	Not Applicable		Not Applicable					
	TYPE OF	SERVICE						
20 NATURE OF SERVICE: This f			use the following type(s) of service(s):					
Select all that apply:	iiiig is for an audionzad	ion to provide or t	ase the following type(s) of service(s).					
a. Fixed Satellite								
b. Mobile Satellite								
c. Radiodetermination Satellite								
d. Earth Exploration Satellite								
e. Direct to Home Fixed Satellite								
f. Digital Audio Radio Service	•							
g. Other (please specify)								
21. STATUS: Choose the button nex	yt to the applicable	22 If earth statio	on applicant, check all that apply.					
status. Choose only one.	at to the applicable	Transport Control of the Control of	censed satellites					
Common Carrier Non-Comm	on Carrier	-	J.S. licensed satellites					
		· · · · · · · · · · · · · · · · · · ·	ee, see instructions regarding Sec. 214					
filings. Choose one. Are these facili		CARRIER SCIVIC	c, see instructions regarding Sec. 214					
Connected to a Public Switched	_	eted to a Public Sv	vitched Network = N/A					
24. FREQUENCY BAND(S): Place								
a. C-Band (4/6 GHz) b. Ku-F	` '	ent to an applicac	to frequency build (b).					
c.Other (Please specify upper an	` ,	ИНэ)						
Frequency Lower: Frequency Upper		HIZ.)						
		STATION						
25. CLASS OF STATION: Choose			applies. Choose only one.					
• a. Fixed Earth Station			. , , , , , , , , , , , , , , , , , , ,					
b. Temporary-Fixed Earth Station	on							
o c. 12/14 GHz VSAT Network								
o d. Mobile Earth Station								
(N/A) e. Geostationary Space Station	on							
	(N/A) f. Non-Geostationary Space Station							
o g. Other (please specify)								
26. TYPE OF EARTH STATION F	ACILITY: Choose only	one.						
Transmit/Receive Transmit-O	_	_						
	PURPOSE OF M		ON					

O Yes O No

27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)

Not Applicable

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement	O Yes O No
as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. §§ 1.1308 and	
1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all	Radiation Hazard
applications for new transmitting facilities, major modifications, or major amendments.	

ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30-34

30-34.	i to respond to items
29. Is the applicant a foreign government or the representative of any foreign government?	O Yes ● No
30. Is the applicant an alien or the representative of an alien?	O Yes O No O N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes O No O N/A
32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	O Yes O No O N/A
33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	O Yes O No O N/A
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.	
BASIC QUALIFICATIONS	
35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	O Yes O No
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explination of circumstances.	○ Yes ● No
37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explination of circumstances.	O Yes ● No
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio	O Yes O No

40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting

apparatus, exclusive traffic arrangement or any other means or unfair methods of competition?

39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a

party in any pending matter referred to in the preceding two items? If yes, attach as an exhinit,

If Yes, attach as an exhibit, an explanation of circumstances

an explanation of the circumstances.

10 percent or more of the Filer's voting stock a fiduciary control, indicate the beneficiary(ies) addresses of the officers and directors of the Fi	or class of beneficiaries. Also list the names and	
application is subject to a denial of Federal ber Section 5301 of the Anti-Drug Act of 1988, 21	that neither applicant nor any other party to the nefits that includes FCC benefits pursuant to U.S.C. Section 862, because of a conviction for ance. See 47 CFR 1.2002(b) for the meaning of	
42a. Does the applicant intend to use a non-U. United States? If Yes, answer 42b and attach a 47 C.F.R. 25.137, as appropriate. If No, proce	n exhibit providing the information specified in	
42b. What administration has licensed or is in what administration has coordinated or is in the	the process of licensing the space station? If no license will be issued, e process of coordinating the space station?	
II :	pplication and the services to be provided). Earth station will be with commonly owned television stations.	
43a. Geographic Service Rule Certification By selecting A, the undersigned certifies that t service or geographic coverage requirements s		
	ne applicant is subject to the geographic service in 47 C.F.R. Part 25 and will comply with such	
or geographic coverage requirements specified such requirements because it is not feasible as	a technical matter to do so, or that, while re so many compromises in satellite design and	
	CERTIFICATION	_
regulatory power of the United States because of requests an authorization in accordance with the not cause the applicant to be in violation of the exhibits are a material part hereof and are incomindividually and for the applicant, hereby certifications in the second	ny particular frequency or of the electromagnetic spectrum as against the of the previous use of the same, whether by license or otherwise, and is application. The applicant certifies that grant of this application would spectrum aggregation limit in 47 CFR Part 20. All statements made in porated herein as if set out in full in this application. The undersigned, ies that all statements made in this application and in all attached exhibit or her knowledge and belief, and are made in good faith.	d
44. Applicant is a (an): (Choose the button nex	to applicable response.)	
 Individual Unincorporated Association Partnership Corporation Governmental Entity Other (please specify) Limited Liability Corporation 		
45. Name of Person Signing	46. Title of Person Signing	Ī
Lance Lovell	Vice President, Legal	╛
47. Please supply any need attachments.		_

Attachment 1:	Attachment 2:	Attachment 3:
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WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT

(U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

Location of Earth Station S	Site			
E1: Site Identifier:	Truck DSNG	E5. Call Sign:		
E2: Contact Name	Jeff Stuart	E6. Phone Number:	918-491-002	23
E3. Street:		E7. City:		
		E8. County:		
E4. State		E9. Zip Code		
E10. Area of Operation:		Continental US		
E11. Latitude:	0 ° 0 ' 0.0 "			
E12. Longitude:	0 ° 0 ' 0.0 "			
E13. Lat/Lon Coordinates	are:	○ _{NAD-27}	○NAD-83	N/A
E14. Site Elevation (AMS)	L):	0.0 meters		
Section 25.209(a) and (b) a NO, provide as a technical a E16. If the proposed antennoperate in the Fixed Satelli proposed antenna(s) compl (b) as demonstrated by the E17. Is the facility operated number of the control point	as demonstrated by the analysis showing comma(s) do not operate in the Service (FSS) with any with the antenna gain manufacturer's qualified by remote control? It.	f YES, provide the location a	r measurement? If bing policy. FSS), or if they do(es) the on 25.209(a2) and and telephone	Yes No No N/A Yes No N/A Yes No N/A
E18. Is frequency coor coordination report as	rdination required's	If YES, attach a freque	ency	o Yes • No
1	with another countr	y required? If YES, attac	ah tha nama af	
the country(ies) and pl		,	ch the name of	o yes • No
Where FAA notificat completed FCC Forn hazard of the structu	ion is required, h n 854 and or the l re to aviation? PLY WITH 47 C ETURN OF THIS	Part 17 and 47 CFR pa ave you attached a cop FAA's study regarding FR PARTS 17 AND 25 S APPLICATION.	y of a the potential	• Yes • No

Satellite Name: OTHER | OTHER | If you selected OTHER, please enter the following:

	nmon Nam		SAT						E22	2. ITU	J Nar	ne:		
	oit Location								E24	l. Co	untry	: USA	-	
	F COMMU	NICAT	TION (Destina	tion Point	ts)								
	Identifier:													
	nmon Nam	e:							E27	. Co	untry			
ANTENNA	<u>\</u>	1						1				E 41	//2	-4
Site ID	E28. Antenna Id	II	29. intity		E30. ufacture	ll ll	E31. Mode	ı Aı	E32 nter Siz	ına	G		ansmi ve(ntenna int and/or dBi at Hz)
Truck DSNG	1	1		AVL Techn	ologies	ll ll	200- NG	1.2				42.0 dBi at 12.0		
											43.5	dBi at	14.25	
E28. Antenna Id	Minor/N (mete	eter Majoı	Gr L	E35. bove cound evel eters)	E36. Abov Sea Level (meter	e l	E3 Buil Hei Ab Gro Le (met	ding ght ove und	P	38. T Inprove Powe Inter flan	r at ina ge	Antenna Fat Height Above Roofton Haximum To EIR Carl		E40. Total EIRP fo al carriers (dBW)
1	0.0/0.0		4.0		0.0	0	0.0		12	5.0		0.0		64.07
E28. Antenna	E43/4	ncy	E45. T/R Mod	Po	6. Anten larizatio H,V,L,R	on	En	E47. nissio ignat	or	E	Iaximum ERIP D IRP per Ca		. Maximum Density pe Carrier BW/4kHz)	
1	11700 12	200	R	Hori Vert	zontal a	nd	36M	0G7V	V	0.0			0.0	
E50. Modulation and Services Compressed Digital Video and Audio														
1	14000 14	500	Т	Hori Vert	zontal a	nd	^{1d} 36M0G7W		36M0G7W 64.		64.0	24.5267		67
	dulation an			Compre	essed Dig	gital	Vide	o and	Au	dio				
REQUE	NCY COORI	DINAT	TION	TE	54/55.	E5	6			T	E 58.	1	1	E60.
E20			E52/5	Т	Range	Eai	ll ll	E5 Ante		E	arth		59. enna	Maximum

REMOTE	CONTROL POL	NT LOCATION	
1	Geostationary	145000	129.0
1	Caastatianami	14000	72.0/

Orbit Type

E28.

Antenna

Id

Limits

(MHz)

14000

E51. Satellite Frequency

E61. Call Sign E65. Phone Number

Station

Angle

Eastern

Limit

143.0

Satellite Azimuth

of

Arc

E/W

Limit

72.0/

Elevation

Angle

Eastern

Limit

41.07

Station

Azimuth

Angle

Western

Limit

228.0

Elevation

Angle

Western

Limit

35.54

EIRP

Density

toward the

Horizon

(dBW/4kHz)

8.42

NOTE: Please enter the callsign of the controlling which this application is being filed.	g station, not the callsign for		
E62. Street Address			
E63. City	E67. County	E64/68. State/Country /	E66. Zip Code

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 0.25 - 24 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Analysis of Non-Ionizing Radiation for a 1.2 Meter Earth Station System

This report analyzes the non-ionizing radiation levels for an Avl Technologies 1210K 1.2 meter Ku band earth station system. The analysis and calculations performed in this report comply with the methods described in the FCC Office of Engineering and Technology Bulletin, No. 65 first published in 1985 and revised in 1997 in Edition 97-01. The radiation safety limits used in the analysis are in conformance with the FCC R&O 96-326. Bulletin No. 65 and the FCC R&O specifies that there are two separate tiers of exposure limits that are dependent on the situation in which the exposure takes place and/or the status of the individuals who are subject to the exposure. The Maximum Permissible Exposure (MPE) limits for persons in a General Population/Uncontrolled environment are shown in Table 1. The General Population/Uncontrolled MPE is a function of transmit frequency and is for an exposure period of thirty minutes or less. The MPE limits for persons in an Occupational/Controlled environment are shown in Table 2. The Occupational MPE is a function of transmit frequency and is for an exposure period of six minutes or less. The purpose of the analysis described in this report is to determine the power flux density levels of the earth station in the far-field, near-field, transition region, between the subreflector or feed and main reflector surface, at the main reflector surface, and between the antenna edge and the ground and to compare these levels to the specified MPEs.

Table 1. Limits for General Population/Uncontrolled Exposure (MPE)

Frequency Range (MHz)	Power Density (mW/cm2)
30-300	0.2
300-1500	Frequency (MHz)*(0.8/1200)
1500-100,000	1.0

Table 2. Limits for General Population/Uncontrolled Exposure (MPE)

·	
Frequency Range (MHz)	Power Density (mW/cm2)
30-300	0.2
300-1500	Frequency (MHz)*(0.8/1200)
1500-100,000	1.0

Table 3 Formulas and Parameters Used for Determining Power Flux Densities

Parameter	Symbol	Formula	Value	Units
Antenna Diameter	D		1.2	m
Antenna Surface Diameter	Asurface	$(\pi D^2)/4$	1.130973355	m2
Feed Flange Diameter	Dfa		7.3025	cm
Area of Feed Flange	Afa	$(\pi Dfa^2)/4$	41.88254007	cm2
Frequency	F		14.25	GHz
Wavelength	λ	300 / F	0.021052632	m
Transmit Power	Р		125	W
Antenna Gain (dbi)	Ges		43.1	dBi
Antenna Gain (factor)	G	10 ^{Ges/10}	20417.37945	
Pi	π		3.141592654	
Antenna Efficiency	η		0.63672003	

(1)

(2)

1. Far Field Distance Calculation

The distance to the beginning of the far field can be determined from the following equation:

Distance to the Far Field Region

$$Rff = 0.60D2/I$$

57.0634125 m

The maximum main beam power density in the far field can be determined from the following equation:

Distance to the Far Field Region

Sff =
$$GP/(4\pi Rff^2)$$

 W/m^2

mW/cm²

2. Near Field Calculation

Power flux density is considered to be at a maximum value throughout the entire length of the defined Near Field region. The region is contained within a cylindrical volume having the same diameter as the antenna. Past the boundary of the Near Field region, the power density from the antenna decreases linearly with respect to increasing distance.

The distance to the end of the Near Field can be determined from the following equation:

Extent of the Near Field

Rnf =
$$D^2 / (4 \lambda)$$

17.1 m

he maximum power density in the Near Field can be determined from the following equation

(4)

(3)

Near Field Power Density

Snf =
$$16.0\eta P/(\pi D^2)$$

= 281.4920559

 W/m^2

= 28.14921

mW/cm²

3. Transition Region Calculation

The Transition region is located between the Near and Far Field regions. The power density begins to decrease linearly with increasing distance in the Transition region. While the power density decreases inversely with distance in the Transition region, the power density decreases inversely with the square of the distance in the Far Field region. The maximum power density in the Transition region will not exceed that calculated for the Near Field region. The power density calculated in Section 2 is the highest power density the antenna can produce in any of the regions away from the antenna. The power density at a distance Rt can be determined from the following equation:

(5)

Near Field Power Density

St = Snf Rnf / Rt

≤ 28.14920559

mW/cm²

4. Distance to Safe Region Calculation

Since the power density decreases inversely with the square of the distance in the Far Field region, the distance to the On-axis Power Density of 5 mW/cm2 can be determined from the following equation:

(6)

Distance to ANSI 5 mW/cm²

Dsafe = Rff $((Sff/5)^{0.5})$

63.7331 meters

5. Region between the Feed Assembly and the Antenna Reflector

Transmissions from the feed assembly are directed toward the antenna reflector surface, and are confined within a conical shape defined by the type of feed assembly. The most common feed assemblies are waveguide flanges, horns or subreflectors. The energy between the feed assembly and reflector surface can be calculated by determining the power density at the feed assembly surface. This can be determined from the following equation:

(7)

Power Density at the Feed Flange

Sfa = 4000 P / Afa

mW/cm²

= 11938.1489

6. Main Reflector Region

The power density in the main reflector is determined in the same manner as the power density at the feed assembly. The area is now the area of the reflector aperture and can be determined from the following equation:

(8)

(9)

(10)

Power Density at the Reflector Surface

Ssurface = 4 P / Asurface

442.0970641

 W/m^2

44.2097

mW/cm²

7. Off-axis Evaluation

For off-axis calculations in the Near Field and in the Transition region, it can be assumed that, if the point of interest is at least one antenna diameter removed from the center of the main beam, the power density at that point would be at least a factor of 100 (20dB) less than the value calculated for the equivalent distance in the main beam. For off-axis calculations in the Far Field, the calculated main-beam power density can be multiplied by the appropriate relative power density factor obtained from the antenna gain pattern. Since the proposed antenna meets or exceeds the performance specifications under Part 25.209 of the FCC rules, the off-axis gain for this antenna is equal to or greater than 10dBi less than the on-axis gain in any direction of 48 degrees or more removed from the centerline of the main beam.

The distance to the end of the Near Field can be determined from the following equation:

Near Field Off-axis Power Density

 $S_{nf(off)} = 0.01 Snf$

= 0.2815

mW/cm²

Far Field Off-axis Power Density

 $S_{ff(off)} = .1 Sff$

= 1.2058

mW/cm²

8. Summary of Calculations

Table 4. Summary of Expected Radiation levels for Uncontrolled Environment

	Calculated Maximum Radiation Power		
Region	Density Level (mW/cm ²)		Hazard Assessment
Far Field (Rff = 57.0634125 m)	Sff	12.0583	Potential Hazard
Near Field (Rnf = 17.1 m)	Snf	28.1492	Potential Hazard
Transition Region (Rnf < Rt < Rff)	St	28.1492	Potential Hazard
Safe Distance Region (Dsafe =			
63.7331042701164 meters)	Dsafe	63.7331	Potential Hazard
Between Feed Assembly and Antenna			
Reflector	Sfa	11938.1489	Potential Hazard
Main Reflector Surface	$S_{surface}$	44.2097	Potential Hazard
Far Field Off-axis Region	Sff _(off)	1.2058	Potential Hazard
Near Field Off-axis Region (Between			
Reflector and ground)	$Snf_{(off)}$	0.2815	Potential Hazard

Table 5. Summary of Expected Radiation levels for Controlled Environment

	Calculated Maximum Radiation Power		er
Region	Density Level (mW/cm ²)		Hazard Assessment
Far Field (Rff = 57.0634125 m)	Sff	12.0583	Potential Hazard
Near Field (Rnf = 17.1 m)	Snf	28.1492	Potential Hazard
Transition Region (Rnf < Rt < Rff)	St	28.1492	Potential Hazard
Safe Distance Region (Dsafe =			
63.7331042701164 meters)	Dsafe	63.7331	Potential Hazard
Between Feed Assembly and Antenna	Sfa	11938.1489	Potential Hazard
Main Reflector Surface	S _{surface}	44.2097	Potential Hazard
Far Field Off-axis Region	Sff _(off)	1.2058	Potential Hazard
Near Field Off-axis Region (Between	_		
Reflector and ground)	$Snf_{(off)}$	0.2815	Potential Hazard

It is the applicant's responsibility to ensure that the public and operational personnel are not exposed to harmful levels of radiation.

8. Summary of Calculations

Based on this analysis it is concluded that the FCC RF Guidelines have been exceeded in the specific regions of Tables 4 and 5. The applicant proposes to comply with the Maximum Permissible Exposure (MPE) limits of 1 mW/cm2 for the Uncontrolled areas and the MPE limits of 5 mW/cm2 for the Controlled areas by one or more of the following methods:

Means of Compliance - Uncontrolled Areas

This antenna will be located on a vehicle rooftop. The distance from the ground to the center of the antenna is approximately 4.1 meters. The location will be sufficient to prohibit access to the areas that exceed the MPE limits. The general public will not have access to areas within ½ diameter removed from the edge of the antenna.

Radiation hazard signs will be posted at any rooftop access location. The signs will be completely visible from the ground.

The applicant will ensure that no buildings or other obstacles will be in the areas that exceed the MPE levels.

Means of Compliance - Controlled Areas

The earth station's operational personnel will not have access to the areas that exceed the MPE levels while the earth station is in operation.

The transmitters will be turned off during antenna maintenance.

Means of Compliance - Safety in General

This antenna system is located on a mobile unit and conditions will vary from operating site to operating site. Because of this, the licensee will establish procedures for the operational personnel to verify that the antenna is not pointing in the direction of populated areas, and that access to hazardous areas are restricted while the unit is in operation.

In addition, the transmit power used in these calculations is greater than that which will typically be utilized by the earth station. During normal operation, the typical power level would generally not exceed more than 50 to 75 percent of the indicated transmitter power. Maximum transmit power would generally only occur in conditions of extreme inclement weather.