



ENVIRONMENTAL STATEMENT

The proposed facility complies in full with the requirements of FCC RR Section 1.1307 and will have no significant environmental impact. Population is very scattered and sparse near the immediate location of the proposed site, which is also in an antenna farm. The proposed site does not involve any of the conditions specified in Section 1.1307(a)(1)-(6) of the Rules.

The proposed change in the facility has been studied in accordance with the procedures set forth in the FCC OET Bulletin No. 65 "Evaluating Compliance With FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", Edition 97-01, and has been found to be in full compliance. This determination has been based upon calculations with the total radiated power from all TV & FM co-located broadcast emitters. The total exposure as defined by the ANSI standard computations for occupational/controlled area is **10.89** % of the maximum. The total exposure as defined by the ANSI standard computations for general population/uncontrolled area is **51.78** % of the maximum. The proposed facility is in compliance with the Commission's guidelines.

Multiple Use FM/TV Tower						
Location:	KSCE CH39DT El Paso, TX				11/22/2006	
Channel Frequency Type	Service	ERP (W)	Ant Center of Radiation AG (m)	% of ANSI/FCC Limit (6min)	% of ANSI/FCC Limit (30 min)	
65NTSC	TV UHF#1	2,900,700	58.00	0.93	4.18	
16DTV	TV UHF#2	1,000,000	114.00	1.59	7.71	
38-NTSC	TV UHF#3	440,000	95.50	0.36	1.71	
39DTV	TV UHF#4	20,000	95.50	0.04	0.17	
17DTV	TV UHF#5	955,000	84.00	2.76	13.07	
51DTV	TV UHF#6	70,000	58.00	0.30	1.34	
9NTSC	TV VHF#1	347,600	100.00	2.11	10.15	
7NTSC	TV VHF#2	347,600	102.00	2.03	9.77	
99.9MHz	FM #1	200,000	93.26	0.77	3.67	
Total			%	10.89	51.78	
IN COMPLIANCE						

The Applicant agrees to maintain full compliance with the safety precautions to workers on the tower (controlled) and the general public (uncontrolled) by reducing or removing radiated power during the time of construction or maintenance on or near the antenna. The Applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from Radiofrequency Electromagnetic exposure in excess of FCC guidelines

This application would be considered a minor change, with no impact to the surrounding terrain, wildlife, or human environment.

The Applicant is believed to be in full compliance with the Environmental Impact and Commission Rules.

RF RADIATION TO HUMAN EXPOSURE CALCULATIONS UHF#1

Call letters **KTFN** Date: **11/22/2006**
 Lic City: **El Paso, TX** (**UHF 300-1500 MHz**)
 Channel: **65NTSC**

ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65

Peak Visual ERP: H+V **2,637,000 W**
 Aural ERP: H+V **263,700 W**
 DTV Average Pwr H+V **0 W**
Worst Case downward radiation: **0.20**
Typical relative field factor in the downward direction: **0.04**
 (from -60 to -90 degrees elevation)
 Distance from ground to antenna center of radiation: **58.0 m**

A. Occupational/Controlled Exposure

Highest power density: **24.21 $\mu\text{W}/\text{cm}^2$** Actual
 Power Density at ground level: **0.0242 mW/cm^2**

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **777.25 MHz**
 Required minimum ANSI standard: **2.5908 mW/cm^2**
 Percentage of ANSI requirement: **0.93 %**

B. General Population/Uncontrolled Exposure

Dist. of Person from ant/twr vert Plumb: **20 m**
 Dist. of Person from ant/twr Direct: **61.4 m**
 Highest power density: **21.64 $\mu\text{W}/\text{cm}^2$** Actual
 Power Density at ground level: **0.0216 mW/cm^2**

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **777.25 MHz**
 Required minimum ANSI standard: **0.5182 mW/cm^2**
 Percentage of ANSI requirement: **4.18 %**

RF RADIATION TO HUMAN EXPOSURE CALCULATIONS UHF#2

Call letters **KTSM-DT** Date: **11/22/2006**
 Lic City: **El Paso, TX** (**UHF 300-1500 MHz**)
 Channel: **16DTV**

ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65

Peak Visual ERP: H+V **0 W**
 Aural ERP: H+V **0 W**
 DTV Average Pwr H+V **1,000,000 W**
Worst Case downward radiation: **0.20**
Typical relative field factor in the downward direction: **0.10**
 (from -60 to -90 degrees elevation)
 Distance from ground to antenna center of radiation: **114.0 m**

A. Occupational/Controlled Exposure

Actual

Highest power density: **25.71 $\mu\text{W}/\text{cm}^2$**
 Power Density at ground level: **0.0257 mW/cm^2**

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **485 MHz**
 Required minimum ANSI standard: **1.6167 mW/cm^2**
 Percentage of ANSI requirement: **1.59 %**

B. General Population/Uncontrolled Exposure

Dist. of Person from ant/twr vert Plumb: **20 m**
 Dist. of Person from ant/twr Direct: **115.7 m**

Actual

Highest power density: **24.94 $\mu\text{W}/\text{cm}^2$**
 Power Density at ground level: **0.0249 mW/cm^2**

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **485 MHz**
 Required minimum ANSI standard: **0.3233 mW/cm^2**
 Percentage of ANSI requirement: **7.71 %**

RF RADIATION TO HUMAN EXPOSURE CALCULATIONS UHF#3

Call letters **KSCE** Date: **11/22/2006**
 Lic City: **El Paso, TX** (**UHF 300-1500 MHz**)
 Channel: **38-NTSC**

ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65

Peak Visual ERP: H+V **400,000 W**
 Aural ERP: H+V **40,000 W**
 DTV Average Pwr H+V **0 W**
Worst Case downward radiation: **0.13**
Typical relative field factor in the downward direction: **0.10**
 (from -60 to -90 degrees elevation)
 Distance from ground to antenna center of radiation: **95.5 m**

A. Occupational/Controlled Exposure

Actual

Highest power density: **7.33 $\mu\text{W}/\text{cm}^2$**
 Power Density at ground level: **0.0073 mW/cm^2**

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **615.24 MHz**
 Required minimum ANSI standard: **2.0508 mW/cm^2**
 Percentage of ANSI requirement: **0.36 %**

B. General Population/Uncontrolled Exposure

Dist. of Person from ant/twr vert Plumb: **20 m**
 Dist. of Person from ant/twr Direct: **97.6 m**

Actual

Highest power density: **7.02 $\mu\text{W}/\text{cm}^2$**
 Power Density at ground level: **0.0070 mW/cm^2**

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **615.24 MHz**
 Required minimum ANSI standard: **0.4102 mW/cm^2**
 Percentage of ANSI requirement: **1.71 %**

RF RADIATION TO HUMAN EXPOSURE CALCULATIONS UHF#4

Call letters **KSCE-DT** Date: **11/22/2006**
 Lic City: **El Paso, TX** (**UHF 300-1500 MHz**)
 Channel: **39DTV**

ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65

Peak Visual ERP: H+V **0 W**
 Aural ERP: H+V **0 W**
 DTV Average Pwr H+V **20,000 W**
Worst Case downward radiation: **0.13**
Typical relative field factor in the downward direction: **0.10**
 (from -60 to -90 degrees elevation)
 Distance from ground to antenna center of radiation: **95.5 m**

A. Occupational/Controlled Exposure

Actual

Highest power density: **0.73 $\mu\text{W}/\text{cm}^2$**
 Power Density at ground level: **0.0007 mW/cm^2**

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **623 MHz**
 Required minimum ANSI standard: **2.0767 mW/cm^2**
 Percentage of ANSI requirement: **0.04 %**

B. General Population/Uncontrolled Exposure

Dist. of Person from ant/twr vert Plumb: **20 m**
 Dist. of Person from ant/twr Direct: **97.6 m**

Actual

Highest power density: **0.70 $\mu\text{W}/\text{cm}^2$**
 Power Density at ground level: **0.0007 mW/cm^2**

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **623 MHz**
 Required minimum ANSI standard: **0.4153 mW/cm^2**
 Percentage of ANSI requirement: **0.17 %**

RF RADIATION TO HUMAN EXPOSURE CALCULATIONS UHF#5

Call letters **KVIA-DT** Date: **11/22/2006**
 Lic City: **EI Paso, TX** (**UHF 300-1500 MHz**)
 Channel: **17DTV**

ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65

Peak Visual ERP: H+V	0 W
Aural ERP: H+V	0 W
DTV Average Pwr H+V	955,000 W
Worst Case downward radiation:	0.20
Typical relative field factor in the downward direction: (from -60 to -90 degrees elevation)	0.10
Distance from ground to antenna center of radiation:	84.0 m

A. Occupational/Controlled Exposure

	Actual
Highest power density:	45.22 μW/cm²
Power Density at ground level:	0.0452 mW/cm²

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier:	491 MHz
Required minimum ANSI standard:	1.6367 mW/cm²
Percentage of ANSI requirement:	2.76 %

B. General Population/Uncontrolled Exposure

Dist. of Person from ant/twr vert Plumb:	20 m	
Dist. of Person from ant/twr Direct:	86.3 m	
		Actual
Highest power density:	42.79 μW/cm²	
Power Density at ground level:	0.0428 mW/cm²	

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier:	491 MHz
Required minimum ANSI standard:	0.3273 mW/cm²
Percentage of ANSI requirement:	13.07 %

RF RADIATION TO HUMAN EXPOSURE CALCULATIONS UHF#6

Call letters **KTFN-DT** Date: **11/22/2006**
 Lic City: **EI Paso, TX** (**UHF 300-1500 MHz**)
 Channel: **51DTV**

ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65

Peak Visual ERP: H+V **0 W**
 Aural ERP: H+V **0 W**
 DTV Average Pwr H+V **70,000 W**
Worst Case downward radiation: **0.20**
Typical relative field factor in the downward direction: **0.10**
 (from -60 to -90 degrees elevation)
 Distance from ground to antenna center of radiation: **58.0 m**

A. Occupational/Controlled Exposure

Actual

Highest power density: **6.95 $\mu\text{W}/\text{cm}^2$**
 Power Density at ground level: **0.0070 mW/cm^2**

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **695 MHz**
 Required minimum ANSI standard: **2.3167 mW/cm^2**
 Percentage of ANSI requirement: **0.30 %**

B. General Population/Uncontrolled Exposure

Actual

Dist. of Person from ant/twr vert Plumb: **20 m**
 Dist. of Person from ant/twr Direct: **61.4 m**
 Highest power density: **6.21 $\mu\text{W}/\text{cm}^2$**
 Power Density at ground level: **0.0062 mW/cm^2**

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **695 MHz**
 Required minimum ANSI standard: **0.4633 mW/cm^2**
 Percentage of ANSI requirement: **1.34 %**

RF RADIATION TO HUMAN EXPOSURE CALCULATIONS #1

Call letters **KTSM** Date: **#####**
 Lic City: **EI Paso, TX** (**VF 30-300 MHz**)
 Channel: **9NTSC**

ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65

Total Peak Visual ERP:	H+V	316,000 W
Aural ERP:	H+V	31,600 W
DTV Average Power	H+V	0 W
Worst Case downward radiation:		1.00
Typical relative field factor in the downward direction: (from -60 to -90 degrees elevation)		0.20
Distance from ground to antenna center of radiation:		100.0 m

A. Occupational/Controlled Exposure

		Actual
Highest power density:	21.11	µW/cm²
Power Density at ground level:	0.0211	mW/cm²

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier:	187.25 MHz
Required minimum ANSI standard:	1.0 mW/cm²
Percentage of ANSI requirement:	2.11 %

B. General Population/Uncontrolled Exposure

Dist. of Person from ant/twr vert Plumb:	20 m
Dist. of Person from ant/twr Direct:	102.0 m

		Actual
Highest power density:	20.30	µW/cm²
Power Density at ground level:	0.0203	mW/cm²

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier:	187.25 MHz
Required minimum ANSI standard:	0.2 mW/cm²
Percentage of ANSI requirement:	10.15 %

RF RADIATION TO HUMAN EXPOSURE CALCULATIONS #2

Call letters **KVIA** Date: **11/22/2006**
 Lic City: **El Paso, TX** (**VF 30-300 MHz**)
 Channel: **7NTSC**

ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65

Total Peak Visual ERP: H+V **316,000 W**
 Aural ERP: H+V **31,600 W**
 DTV Average Power H+V **0 W**
Worst Case downward radiation: **1.00**
Typical relative field factor in the downward direction: **0.20**
 (from -60 to -90 degrees elevation)
 Distance from ground to antenna center of radiation: **102.0 m**

A. Occupational/Controlled Exposure

Highest power density: **20.30** $\mu\text{W}/\text{cm}^2$ Actual
 Power Density at ground level: **0.0203** mW/cm^2

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **175.25 MHz**
 Required minimum ANSI standard: **1.0** mW/cm^2
 Percentage of ANSI requirement: **2.03** %

B. General Population/Uncontrolled Exposure

Dist. of Person from ant/twr vert Plumb: **20 m**
 Dist. of Person from ant/twr Direct: **103.9 m**
 Highest power density: **19.54** $\mu\text{W}/\text{cm}^2$ Actual
 Power Density at ground level: **0.0195** mW/cm^2

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **175.25 MHz**
 Required minimum ANSI standard: **0.2** mW/cm^2
 Percentage of ANSI requirement: **9.77** %

RF RADIATION TO HUMAN EXPOSURE CALCULATIONS FM #1

Call letters **KTSM-FM** Date: **#####**
 Lic City: **El Paso, TX** (**FM 30-300 MHz**)
 Channel: **FM**
 Frequency **99.9MHz** MHz

ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65

Aural ERP: Horizontal **100,000 W**
 Aural ERP: Vertical **100,000 W**
Worst Case downward radiation: **0.30**
Typical relative field factor in the downward direction: **0.10**
 (from -60 to -90 degrees elevation)
 Distance from ground to antenna center of radiation: **93.3 m**

A. Occupational/Controlled Exposure

Highest power density: **7.68** $\mu\text{W}/\text{cm}^2$ Actual
 Power Density at ground level: **0.0077** mW/cm^2

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **99.9 MHz**
 Required minimum ANSI standard: **1.0 mW/cm^2**
 Percentage of ANSI requirement: **0.77 %**

B. General Population/Uncontrolled Exposure

Dist. of Person from ant/twr vert Plumb: **20 m**
 Dist. of Person from ant/twr Direct: **95.4 m**
 Highest power density: **7.34** $\mu\text{W}/\text{cm}^2$ Actual
 Power Density at ground level: **0.0073** mW/cm^2

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **99.9 MHz**
 Required minimum ANSI standard: **0.2 mW/cm^2**
 Percentage of ANSI requirement: **3.67 %**