

EXHIBIT 12 – NARRATIVE

This is a Window application, per DA 17 – 1168, for a new AM Fill-in translator to re-broadcast AM station KEDA on behalf of Claro Communications, LTD.

Station to be re-broadcast:

KEDA
1540 Khz
Facility ID – 14892
San Antonio, Texas
Licensee – Claro Communications

Proposed Location:

ASRN 1048919
NAD(27):
29 – 38 – 10 N
98 – 13 – 59 W

Proposed channel 243 (96.5 MHz)
Antenna is a non-directional.

The 60 dbu contour of the translator is completely inside of the 2 mv/m limit of KEDA as shown in the attached exhibit 10 – AM Fill-in compliance.

Mexico

The proposed site of this translator is 240.2 km from the US / Mexico border. This application is in compliance with the terms and requirements of the US / Mexico Treaty.

Second Adjacent Channel Interference Wavier

This proposed site is inside the 60 dbu contour of KXXM ch 241 (96.1 MHz), San Antonio, Texas. KXXM F(50,50) signal strength is 72.58 dbu at the proposed translator site. The translator interfering F(50,10) contour is 112.58 dbu. FCC Graph program calculates the distance to the contour is 195 meters. An exhibit is provided of the translator F(50,10) 112.58 db contour. This contour does not encompass any dwellings, buildings, cross any public roadways.

Applicant is requesting a wavier of the second adjacent channel interference protection requirement as there are no persons inside the F(50,10) 112.58 db contour and thus no interference.

No new interference is created by this application to any other licensed facility, CP, or application.

Tech Box Item Summary:

[6] – Antenna Location Site Elevation AMSL – 220.7 meters

[7] – Overall Tower Height AGL – 118 meters

[8] – Height of Radiation Center AGL – 90 meters (H) and (V)

[9] – Effective Radiated Power – 0.140 kW (H) and (V)

[10] – Non – Directional Antenna NICOM BKG 77 – 1. Single bay.

EXHIBIT 12 – NARRATIVE

Exhibit 10: AM Fill-in Compliance

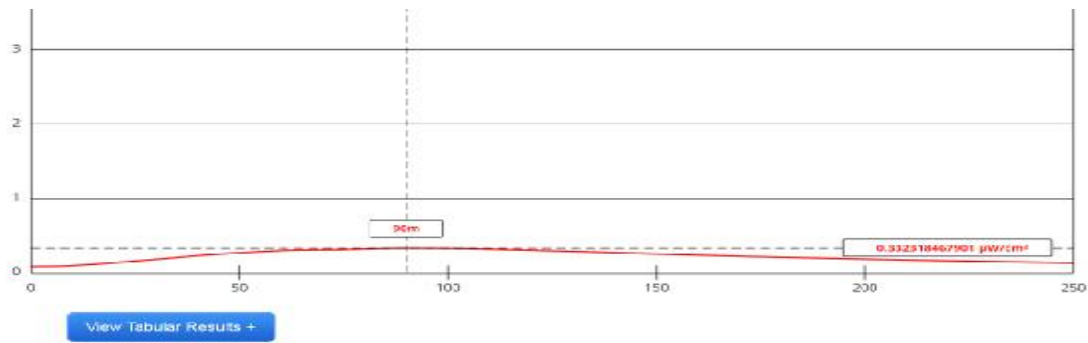
Exhibit 12: Narrative, Channel Study. Exhibits 10, 13, and 17 are part of this Exhibit.

Exhibit 13: Overlap Requirements, Aerial Photo showing the F(50,10) contour.

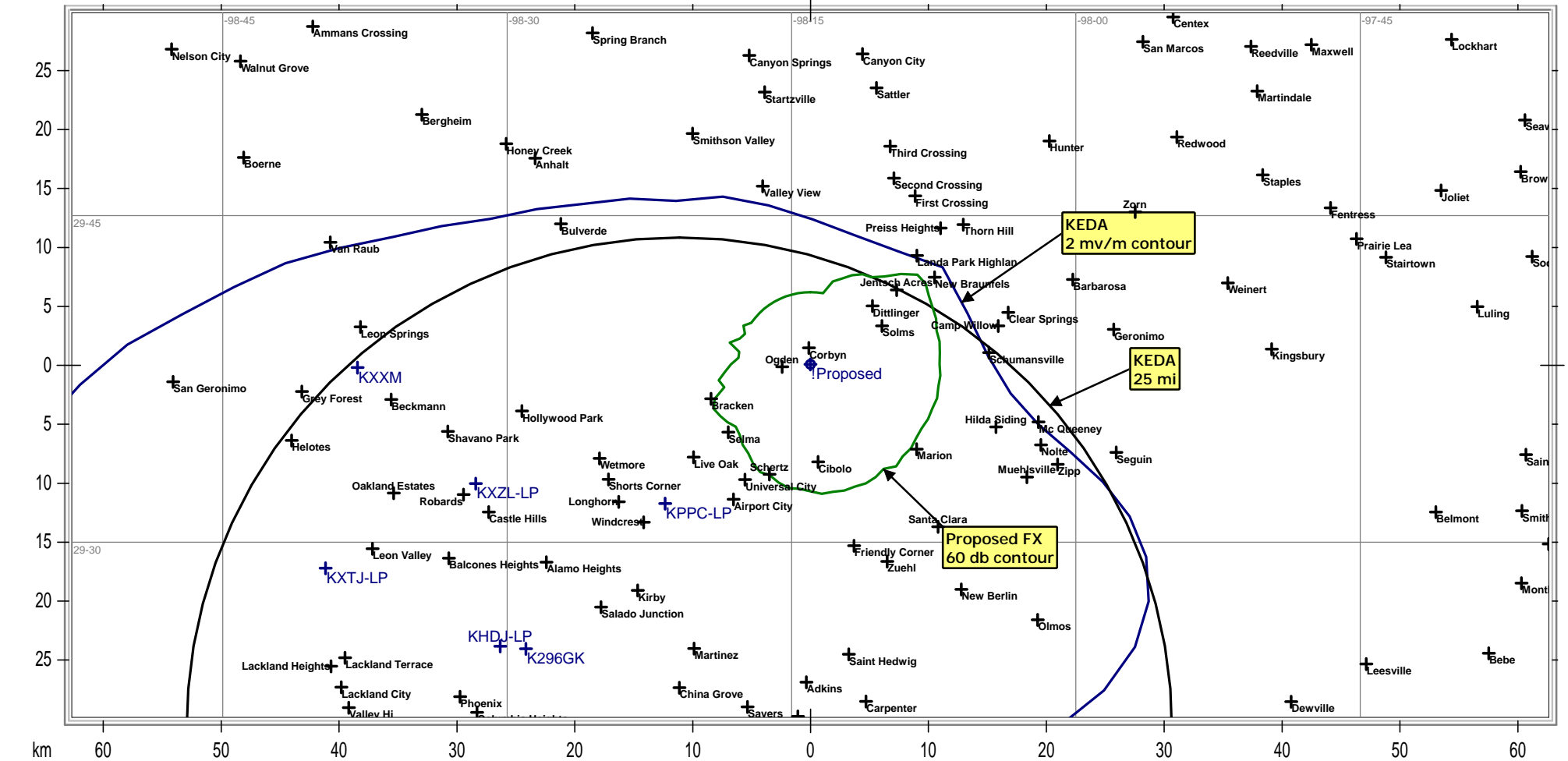
Exhibit 17: Environment – RFE: This facility complies with the requirements 47 CFR 1.1306.

FCC FMMODEL calculates the RFE as $0.033 \mu\text{W}/\text{cm}^2$, or 0.02% of uncontrolled public access limit of $200 \mu\text{W}/\text{cm}^2$. This is less than 5% of the total allowable uncontrolled public access exposure of $200 \mu\text{W}/\text{cm}^2$, therefore no further study is required. When workers are present on the tower, applicant will reduce power or cease transmission.

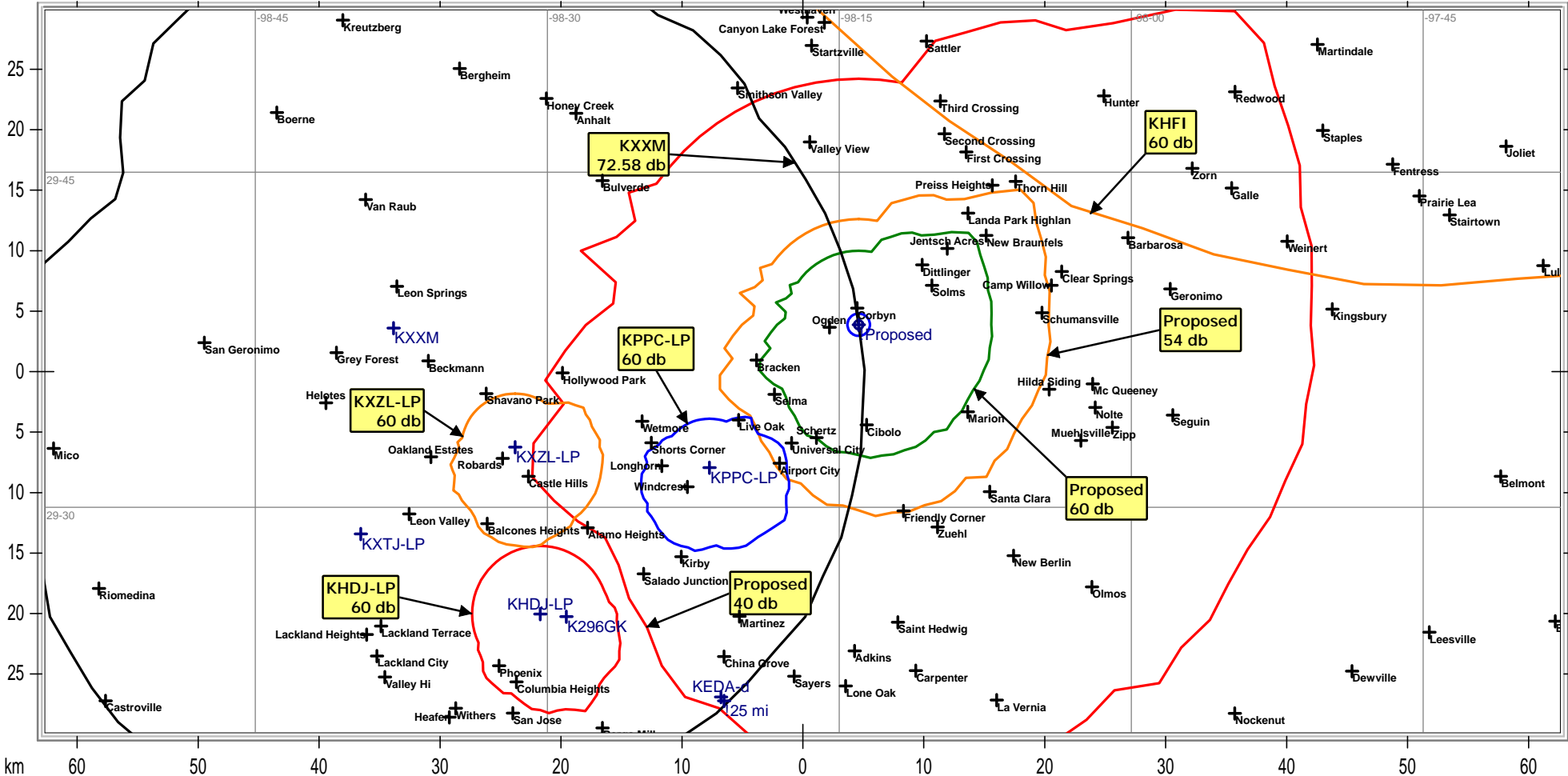
FCC FMMODEL



Channel Selection:	Channel 323 (96.5 MHz)		
Antenna Type +	Antenna type: Disposed V Dipole		
Height (m)	90	Distance (m)	250
ERP-H (W)	140	ERP-V (W)	140
Num of Elements:	1	Element Spacing (λ)	1
Num of Points	500	Apply	



State Borders Lat/Lon Grid



 State Borders
 Lat/Lon Grid

KEDA FILL IN

EXHIBIT 13
OVERLAP REQUIREMENTS

Callsign	State	City	Freq	Channel	ERP_w	Class	Status	Distance_km	Sep	Clr
KXXM	TX	SAN ANTONIO	96.1	241	99000	C1	LIC	38.53	0	-13.13 dB
KHDJ-LP	TX	SAN ANTONIO	96.5	243	100	LP100	CP	35.61	24	0.61 dB
KHFI-FM	TX	GEORGETOWN	96.7	244	100000	C1	LIC	86.8	0	0.85 dB
KXZL-LP	TX	SAN ANTONIO	96.7	244	39	LP100	CP	30.2	13	9.90 dB
KFXE	TX	INGRAM	96.5	243	8400	C3	LIC	107.08	0	15.71 dB
KPPC-LP	TX	SAN ANTONIO	96.9	245	28	LP100	LIC	17.06	6	20.27 dB
KWYU	TX	CHRISTINE	96.9	245	20500	C3	CP	93.4	0	23.96 dB
KLTG	TX	CORPUS CHRISTI	96.5	243	96500	C1	LIC	193.71	0	25.04 dB
KGGB	TX	YORKTOWN	96.3	242	6000	A	LIC	103.65	0	27.68 dB
K270CP	TX	AUSTIN	96.3	242	30	D	APP	85.3	0	30.21 dB
KHMX	TX	HOUSTON	96.5	243	97000	C	LIC	263.93	0	33.28 dB
KGID	TX	GIDDINGS	96.3	242	4000	A	LIC	131.54	0	34.77 dB
KGID	TX	GIDDINGS	96.3	242	6000	A	APP	131.52	0	34.28 dB
K296GK	TX	SAN ANTONIO	107.1	296	250	D	LIC	34.17	0	34.2
K246BD	TX	SUNSET VALLEY	97.1	246	99	D	LIC	86.95	0	35.90 dB
KXTJ-LP	TX	SAN ANTONIO	96.9	245	86	LP100	LIC	44.75	6	35.84 dB
K240EL	TX	AUSTIN	95.9	240	99	D	LIC	86.95	0	35.67 dB
	CI	PIEDRAS NEGRAS	96.7	244	100000	C		244.83	0	36.71 dB
KTHE	TX	LLANO	96.3	242	25000	C3	CP	155.02	0	36.65 dB
KHMC	TX	GOLIAD	95.9	240	25000	C3	LIC	138.48	0	36.39 dB
KMPN	TX	BURNET	95.9	240	25000	C3	LIC	139.46	0	36.42 dB
KXBJ	TX	EL CAMPO	96.9	245	100000	C0	LIC	224.94	0	37.18 dB
KXBJ	TX	EL CAMPO	96.9	245	100000	C0	CP	224.96	0	37.21 dB

Exhibit 13

Proposed F(50,10) 112.58 db contour - distance is 195 meter (radius)

Legend

- 1048919
- 195 meters 112.58 db



Google Earth

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