

**MINOR CHANGE APPLICATION**  
**EMMIS AUSTIN RADIO BROADCASTING COMPANY, LP**  
**K274AX FM TRANSLATOR STATION**  
**CH 274D - 102.7 MHZ - 0.250 KW (DA)**  
**AUSTIN, TEXAS**  
**April 2010**

**EXHIBIT B**

The proposed operation of K274AX with an effective radiated power of 0.250 kilowatt at 206.7 meters above ground level will not cause interference to any existing, applied for, or proposed facility, as noted on Exhibit B1. However, the proposed K274AX site is inside the 60 dBu contour of second adjacent station KPEZ, Channel 272C2, Austin, Texas. Due to the relationship between K274AX and KPEZ, a 40 dB ratio of the protected and interfering contours applies. As the signal level of KPEZ is well above 60 dB at the proposed tower site for K274AX, we have applied the 40 dB ratio to the contour of KPEZ, based on the relevant protected contour at the site. A map showing the relative contour of KPEZ at the proposed K274AX site is attached as Exhibit B2.

The signal of KPEZ at the proposed K274AX site is 89.7 dBu (50/50). As such, the interfering contour of the proposed translator would need to be above 129.7 dBu (50/10) to cause interference to KPEZ. The 129.7 dBu contour of the proposed K274AX translator extends 0.04 kilometer (131.0 feet) from the proposed translator antenna. As the K274AX antenna is to be mounted 206.7 meters (678.0 feet) above ground, this contour never reaches the ground. As such, KPEZ will not receive interference from the proposed translator. Further, the tower is located in a tower farm, and the interference, were it to extend 0.04 kilometer from the tower, would be in an unpopulated area, as indicated on Exhibit B3.

Based on the foregoing, it is believed that the proposed K274AX facility is in compliance with §74.1204(d) of the Commission's rules. If a waiver of the rule is needed to address KPEZ, one is respectfully requested.



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**EXHIBIT B1**

Interference Review for K274AX Austin, Texas  
Using Proposed Site as Reference

REFERENCE CH# 274D - 102.7 MHZ, Pwr= 0.25 kW DA, HAAT= 225.9 M, COR= 444.5 M DISPLAY DATES  
30 19 20.0 N. Average Protected F(50-50)= 19.7 km DATA 04-21-10  
97 48 03.0 W. Standard Directional SEARCH 04-21-10

CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
274D Austin	K274AX	LIC C TX	327.2 147.2	0.1 BMLFT-20080922AAG	30 19 24.0 97 48 06.0	0.075	43.3	13.1	-61.0*<	-69.2*< 348 Emmis Austin Radio Broadcasting
274C1 San Antonio	KJXX	LIC CX TX	213.4 33.1	120.0 BMLH-20070814ABA	29 25 06.0 98 29 01.0	100.000 202	159.9	62.3	-58.5*<	0.4 408 BMP San Antonio License Co.
272C2 Austin	KPEZ	LIC CN TX	193.1 13.1	11.3 BMLH-19980327KA	30 13 24.0 97 49 39.0	26.000 209	6.0	53.4	-14.2*<	-43.2*< 433 CC Licenses, LLC
274A Milano	AL4660	VAC TX	67.0 247.5	92.0 RMrfS-30*	30 38 30.0 96 55 00.0	6.000 100	87.4	29.1	-15.5<	1.2 239 Starboard Media Foundation
274D Smithville	K274BB	LIC C TX	115.8 296.1	59.1 BLFT-20060227AHU	30 05 23.0 97 14 56.0	0.170	39.0	11.6	4.2	0.0 216 Jeanne Aultfather
220A Dripping Springs	KLLR	LIC ZCX TX	235.9 55.8	24.6 BLED-20070228ABJ	30 11 53.0 98 00 45.0	1.100 144	67.4	22.3	10.0R	14.6M 462 Educational Media Foundation
221A Hutto	KYLR	LIC NCX TX	41.7 221.8	31.6 BLED-20060901ACQ	30 32 04.0 97 34 52.0	2.500 137	67.4	22.3	10.0R	21.6M 343 Educational Media Foundation
275A Llano	KITY	LIC ZCX TX	298.5 118.1	83.4 BLH-20050715AAQ	30 40 37.0 98 33 59.0	2.000 151	37.7	28.1	25.7	28.0 494 Bryan A. King
276D San Marcos	K276EL	LIC C TX	189.1 9.1	55.2 BLFT-20070319AAS	29 49 51.0 97 53 31.0	0.170	0.9	10.2	34.6	43.9 267 Educational Media Foundation
273C2 Mason	KHLB	LIC NCX TX	287.4 106.7	143.7 BLH-20050310ADT	30 42 03.0 99 13 59.0	26.000 192	81.2	55.3	42.0	58.2 661 Munbilla Broadcasting Prop.
276C3 Copperas Cove	KSSM	LIC NCX TX	350.4 170.3	85.8 BLH-20040730BBW	31 05 05.0 97 57 07.0	8.600 170	4.0	41.1	63.7	43.6 467 Cumulus Licensing LLC
271D Burnet	K271BC	LIC DC TX	318.8 138.6	65.2 BLFT-20060127AFQ	30 45 48.0 98 15 03.0	0.250	0.9	9.9	45.6	54.3 484 Big Bend Broadcasting
221A New Braunfels	KNBT	LIC ZCX TX	205.1 25.0	72.5 BLH-20030501AAZ	29 43 50.0 98 07 12.0	6.000 95	67.4	22.3	10.0R	62.5M 327 New Braunfels Communications
273C1 Hillsboro	KBRQ	LIC ZC TX	19.9 200.3	177.3 BLH-20010802AAW	31 49 23.0 97 09 35.0	100.000 137	90.1	60.6	67.9	88.2 305 Clear Channel Broadcasting
271D Killeen	K271AS	LIC DC TX	359.8 179.8	86.9 BLFT-20070702AYQ	31 06 22.0 97 48 14.0	0.099	0.5	1.6	68.2	84.2 351 Educational Media Foundation

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
In & Out distances between contours are shown at closest points. Reference Zone = 2, Co to 3rd adjacent.  
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
\*\*\*affixed to 'IN' or 'OUT' values = site inside protected contour.  
Reference station has protected zone issue: Mexico



**K274AX Proposed**

Latitude: 30-19-20 N  
Longitude: 097-48-03 W  
ERP: 0.25 kW  
Channel: 274D  
Frequency: 102.7 MHz  
AMSL Height: 444.5 m  
Horiz. Pattern: Directional  
Prop Model : FCC

**Graham Brock, Inc. - Broadcast Technical Consultants**

**KPEZ**

BMLH-19980327KA  
Latitude: 30-13-24 N  
Longitude: 097-49-39 W  
ERP: 26.00 kW  
Channel: 272C2  
Frequency: 102.3 MHz  
AMSL Height: 433.0 m  
Horiz. Pattern: Omni  
Prop Model : FCC

**KPEZ 89.7 dBu**

**K274AX**

West Lake Hills

Rollingwood

Austin

Sunset Valley

**KPEZ**

30-15-00 N

**EXHIBIT B2**  
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Scale 1:100,000

0 2 4 6 km



# GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

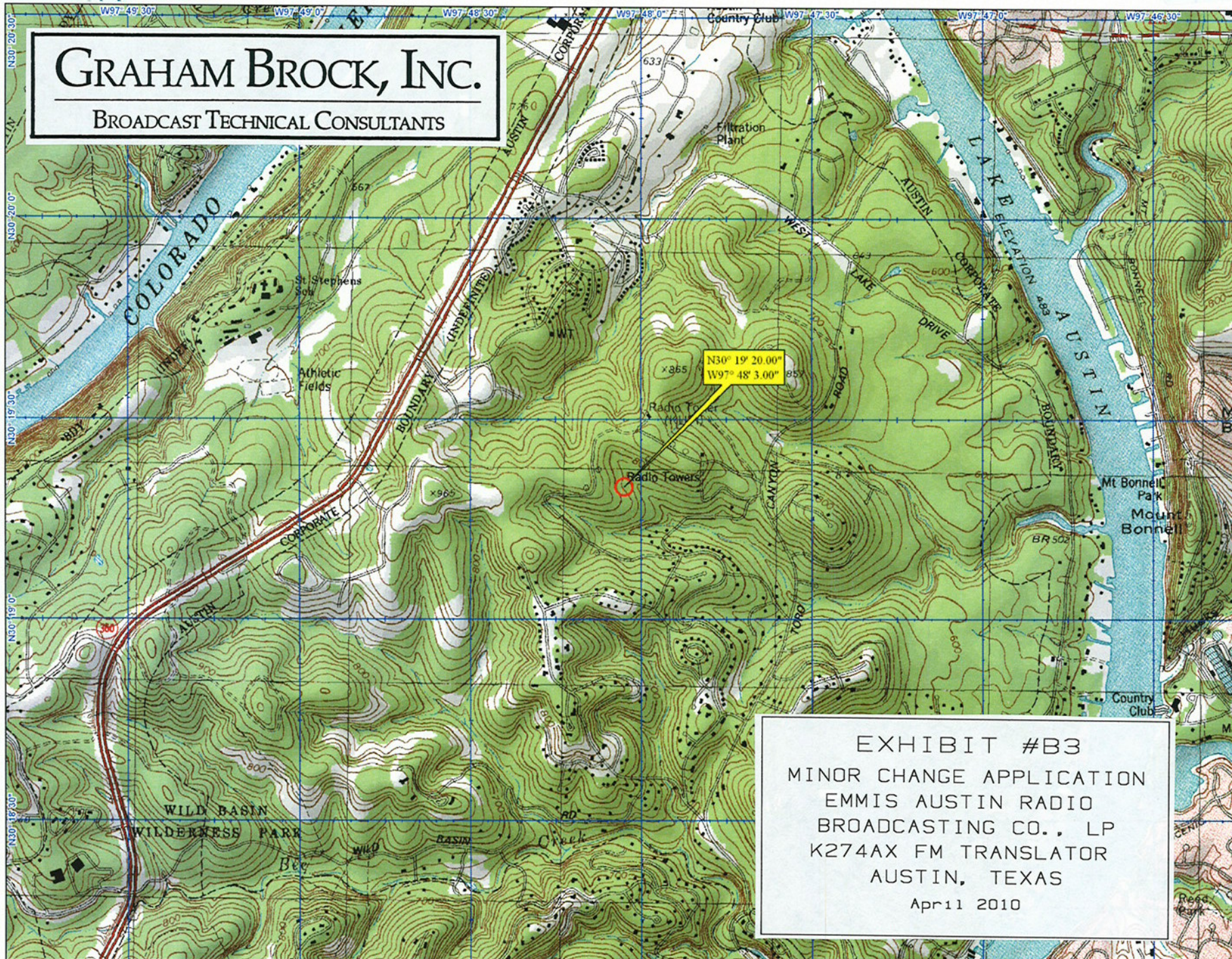
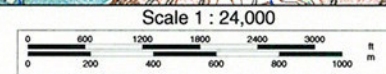


EXHIBIT #B3  
MINOR CHANGE APPLICATION  
EMMIS AUSTIN RADIO  
BROADCASTING CO., LP  
K274AX FM TRANSLATOR  
AUSTIN, TEXAS

Apr 11 2010



1" = 2,000.0 ft

Data Zoom 13-1