

**Channel Study**

REFERENCE		CH# 263D - 100.5 MHz, Pwr= 0.25 kW, HAAT=65.6M, COR= 338 M								DISPLAY DATES	
31 27 07 N.		Average Protected F(50-50)= 10.6 km								DATA	11-30-06
97 42 14 W.		Ave. F(50-10) 40 dBu= 35.8 54 dBu= 14.7 80 dBu= 3.3 100 dBu= 1.1								SEARCH	12-01-06
CH	CALL	TYPE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*	
CITY		STATE	<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap	in km)	
260C	WACO-F	LIC NCN	108.7	39.53	31 20 15	90.000	710	84.3	15.96	-45.86*	
Waco		TX	288.9	BLH19901116KD	97 18 37	477	12.0	Capstar Tx	Limited Partner		
262D	K262BG	CP C	155.2	19.46	31 17 34	0.092	385	12.5	-12.41	-12.97	
Flat		TX	335.2	BNPFT20030807AIG	97 37 04	154	18.6	Educational Media Foundati			
264C	KASE-F	LIC CY	184.3	125.90	30 19 10	100.000	584	76.0	2.50	32.19	
Austin		TX	4.2	BLH19820628AN	97 48 06	348	111.3	Capstar Tx	Limited Partner		
210C2	KBDE	LIC DV	121.9	38.60	31 16 05	11.500	361	39.3	15.0R	23.6M	
Temple		TX	302.1	BLD19991008ABH	97 21 34	149	43.3	American Family Associatio			
266D	AP0883	APP DC	185.4	41.36	31 04 50	0.019	349	6.9	28.99	33.31	
Killeen		TX	5.4	BNPFT20030317LBL	97 44 41	104	0.3	Educational Media Foundati			
262C	KJKK	LIC C	28.8	143.70	32 35 02	100.000	764	90.1	1.63	42.67	
Dallas		TX	209.2	BMLH20060323ADD	96 57 48	559	134.4	Texas Cbs Radio Broadcasti			
265D	K265DV	CP C	128.1	46.71	31 11 32	0.250	275	10.2	33.44	35.43	
Temple		TX	308.3	BNPFT20030828AQD	97 19 03	60	1.1	Bible Broadcasting Network			
264L1	KXZY-L	LIC	78.2	54.15	31 33 00	0.001	503	5.2	35.46	34.56	
Waco		TX	258.5	BLL20040219AAG	97 08 44	346	8.3	Primera Asamblea De Dios			
264L1	KXZY-L	CP	78.8	55.15	31 32 49	0.100	161	5.6	36.81	35.13	
Waco		TX	259.1	BPL20050505ACE	97 08 03	2	8.0	Primera Asamblea De Dios			
266D	AP2118	APP C	172.5	52.16	30 59 08	0.050	415	11.8	38.70	39.28	
Temple		TX	352.5	BNPFT20030317ABM	97 37 56	182	0.5	American Educational Broad			
266C	WRR	LIC C	28.6	143.94	32 35 19	100.000	697	86.6	123.72	56.25	
Dallas		TX	209.0	BLH20060518ACI	96 58 05	498	12.6	City Of Dallas, Texas			
266C	WRR	LIC CY	28.5	143.96	32 35 22	100.000	651	83.7	124.11	59.19	
Dallas		TX	208.9	BLH19860130KF	96 58 10	453	12.2	City Of Dallas, Texas			
266D	AP0704	APP DC	168.4	66.57	30 51 50	0.020	370	8.6	53.11	56.84	
Jarrell		TX	348.4	BNPFT20030317KWH	97 33 46	154	0.3	Educational Media Foundati			
209C3	KEQX	LIC DVX	340.8	78.90	32 07 24	6.000	500	36.5	12.0R	66.9M	
Stephenville		TX	160.7	BLD20050330ADV	97 58 48	172	39.7	Cssi Non-profit Educationa			

Terrain database is NGDC 30 SEC

ERP and HAAT on direct-line with reference station.

\*\*\*affixed to 'IN' or 'Out' values = site inside protected contour.

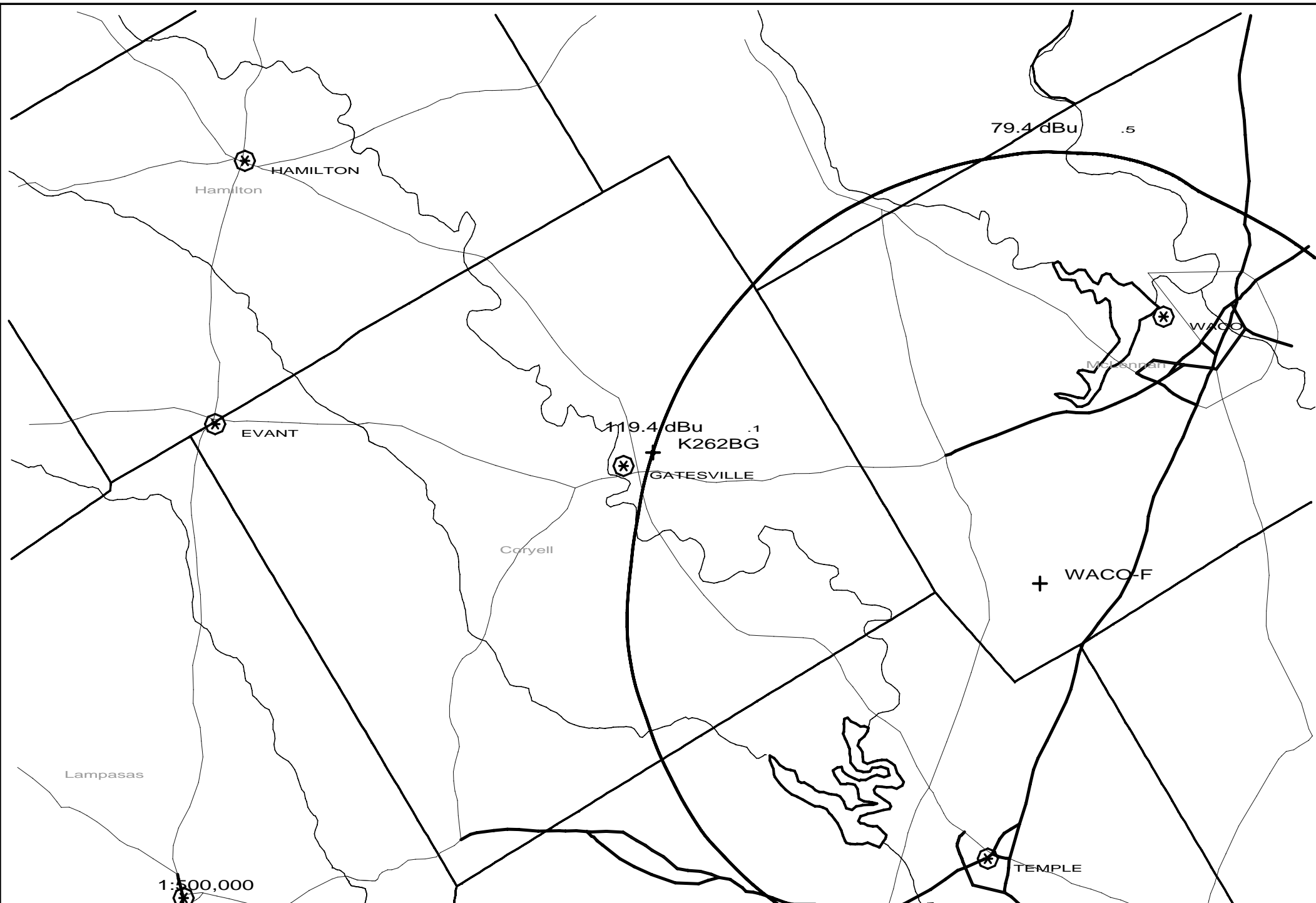
**Compliance with C.F.R. 74.1204**

The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station WACO-F, channel 260C, Waco, TX. The predicted F(50-50) field strength of WACO-F at the proposed translator site is 79.4 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 119.4 dBu. This interfering contour extends approximately 118.6 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

Two factors have been investigated to determine this absence of population:

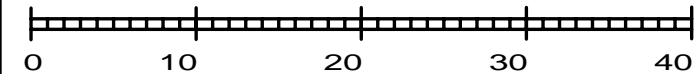
- 1.) Computer software which uses the centroid method of determining population centers, based on the 2000 census data, has determined that there are no persons within the area of overlap.
- 2.) Examination of the USGS topographic map (see Exhibit 12A-2) reveals no regularly occupied structures within the area of overlap.

Therefore, EMF respectfully requests a waiver of C.F.R 74.1204 based on no population within the area of predicted interference.



1:500,000

Scale in km

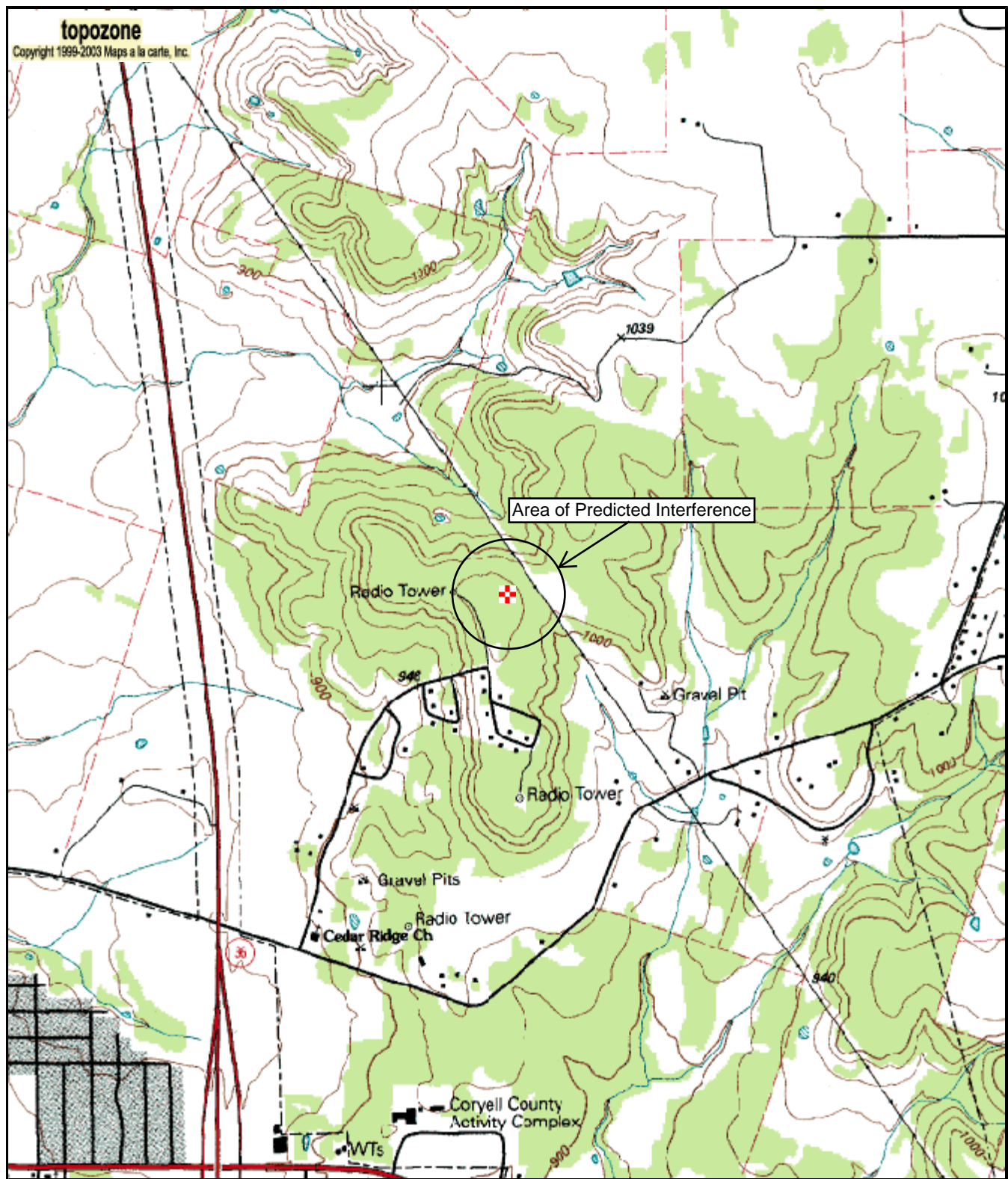


K262BG 263D .25kW 338M AMSL

N. Lat. 31 27 07 W. Lng. 97 42 14

K262BG

EMF - 12/06



M=5.432  
G=0.676