

Channel Study

REFERENCE		CH# 269D - 101.7 MHz, Pwr= 0.115 kW, HAAT=133.6M, COR= 272 M								DISPLAY DATES	
38 40 53 N.		Average Protected F(50-50)= 12.2 km								DATA	09-12-06
90 12 02 W.		Ave. F(50-10) 40 dBu= 41.4 54 dBu= 18.1 80 dBu= 3.7 100 dBu= .8								SEARCH	09-25-06
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)		
266C2	WVRV	LIC ZCN	246.0	7.96	38 39 08	44.000	311	54.5	-9.84*	-47.24*	
East St. Louis		IL	65.9	BLH19960510KB	90 17 03	180	6.3	Bonneville Holding Company			
269A	WGEL	LIC CN	79.4	75.27	38 48 11	3.000	243	23.7	-12.76	8.31	
Greenville		IL	259.9	BLH19850227LP	89 20 56	96	75.1	Bond Broadcasting Inc.			
269A	KLPWFM	LIC NCX	253.4	76.82	38 28 55	5.200	294	29.3	-21.48	9.03	
Union		MO	72.9	BLH20060307BKJ	91 02 41	116	87.0	Marathon Media Group, L.L.			
268D	K268BF	CP C	254.1	6.11	38 39 59	0.099	208	9.3	-18.15*	-19.55*	
Bellefontaine		MO	74.1	BMPFT20050512ACI	90 16 05	81	13.0	Educational Media Foundati			
268D	K268BF	CP C	353.9	9.99	38 46 15	0.140	260	12.9	-21.27*	-20.61*	
Bellefontaine		MO	173.9	BNPFT20030828AOD	90 12 46	134	19.3	Educational Media Foundati			
268D	K268BF	CP C	222.0	16.17	38 34 24	0.062	333	12.5	-14.28	-13.80	
Bellefontaine		MO	41.9	BMPFT20051103ABI	90 19 30	186	18.6	Educational Media Foundati			
216D	AP216	APP DV	224.9	15.83	38 34 50	0.062	333	12.5	3.2R	12.6M	
St. Louis		MO	44.9	BNPFT20000406AAD	90 19 45	187	12.5	Pensacola Christian Colleg			
270D	AP270	APP C	289.1	41.44	38 48 09	0.250	170	7.1	20.68	19.33	
Saint Peters		MO	108.9	BNPFT20030317GPU	90 39 05	16	10.1	Kaspar Broadcasting Co. Of			
271D	AP271	APP C	289.1	41.44	38 48 09	0.250	170	7.1	29.72	33.60	
Saint Peters		MO	108.9	BNPFT20030317GPQ	90 39 05	16	1.1	Kaspar Broadcasting Co. Of			
271B1	AL271	RSV	115.1	82.00	38 21 56	25.000	0	26.5	66.83	54.44	
Okawville		IL	295.7	RM10626	89 21 02	-134	2.3				
271B1	WIBV.C	CP CX	115.2	82.16	38 21 52	9.700	308	46.5	65.26	34.57	
Okawville		IL	295.7	BPH20040903ABO	89 20 57	174	4.0	Benjamin Stratemeyer			
268D	AP268	APP C	307.0	57.67	38 59 30	0.250	187	7.2	36.08	34.01	
Winfield		MO	126.6	BNPFT20030317JAD	90 44 00	31	10.3	Covenant Network			
271B1	WIBV	LIC C	108.2	97.87	38 24 07	10.500	310	45.7	81.03	51.16	
Mount Vernon		IL	288.9	BLH20010216AAN	89 08 09	160	4.0	Benjamin Stratemeyer			
270B	WQQL	LIC CN	22.5	123.95	39 42 39	50.000	262	53.6	44.56	42.58	
Springfield		IL	202.9	BMLH19930729KA	89 38 42	84	66.4	Saga Communications Of Ill			
267D	AP267	APP C	258.6	71.28	38 33 08	0.250	200	9.6	59.04	60.96	
Washington		MO	78.1	BNPFT20030317GQS	91 00 08	53	1.1	Kaspar Broadcasting Co. Of			
216B	WIBI	LIC DCX	24.6	81.71	39 20 58	50.000	338	52.3	15.0R	66.7M	
Carlinville		IL	204.9	BLED20031204AFJ	89 48 16	151	59.9	Illinois Bible Institute,			
268B	WCILFM	LIC NCX	146.1	130.81	37 42 04	28.500	338	64.3	41.54	38.82	
Carbondale		IL	326.6	BLH20031010ABX	89 22 18	192	76.3	Mrr License Llc			

ERP and HAAT on direct-line with reference station.

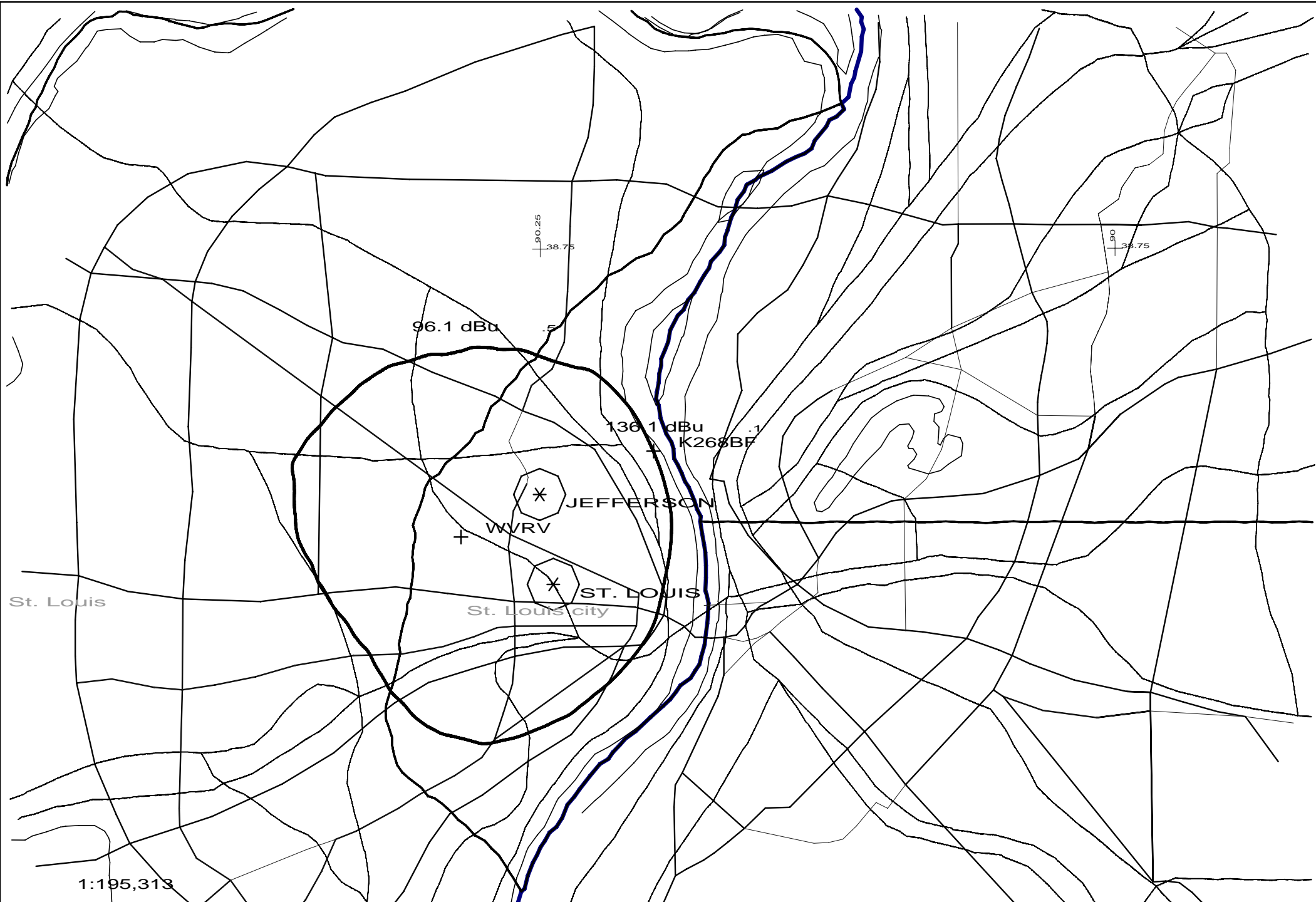
"*"affixed to 'IN' or 'Out' values = site inside protected contour.

Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station WVRV, channel 266C2, East St. Louis, IL. The predicted F(50-50) field strength of WVRV at the proposed translator site is 96.1 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 136.1 dBu. This interfering contour extends approximately 11.8 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 143 meter level on a 151 meter tower).

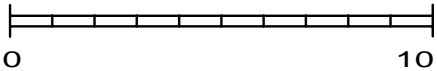
To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map (see Exhibit 12B), which indicates a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 11.8 meter interference aperture.

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



1:195,313

Scale in km

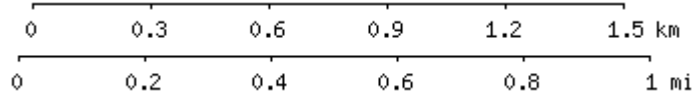


K268BF 269D .115kW 272M AMSL

N. Lat. 38 40 53 W. Lng. 90 12 02

K268BF vs. WVRV

EMF - 09/06



38° 40' 53"N, 90° 12' 02"W (NAD27)
USGS Granite City (IL,MO) Quadrangle
 Projection is UTM Zone 15 NAD83 Datum

