

Interference Study

The proposed translator complies with all requirements of Section 74.1204 of the Commission's rules.

Page 2 of this Exhibit contains a Channel Study showing the relationship of the proposed translator to other co-channel, 1st, 2nd, & 3rd adjacent channel stations, and to stations separated by 53/54 channels.

Page 3 of this Exhibit contains a tabulation of the 12 radials with the corresponding HAAT's and distance to the 60 dBu contour.

Page 4 of this Exhibit contains a coverage map of the proposed 60 dBu contour.

Interference Study

REFERENCE 41 49 27 N 84 44 48 W		CH# 239D - 95.7 MHz, Pwr= 0.019 kw, HAAT=0.0 M, COR= 404 M Average Protected F(50-50)= 3.69 km Ave. F(50-10) 40 dBu= 11.9 54 dBu= 5.3 80 dBu= 1.6 100 dBu= .3									
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap)	*OUT* (in km)	
236B	WJJI Fort Wayne	LIC IN	205.0 25.0	88.22 BLH19900226KE	41 06 13 85 11 28	39.000 199	453 0.6	68.0 Sarkes Tarzian, Inc.	75.50	19.60	
237A	WQTE Adrian	LIC MI	92.1 272.1	54.59 BLH7225	41 48 15 84 05 25	3.000 78	329 0.3	21.5 Friends Communications Of	46.59	32.80	
237A	WBXX Battle Creek	LIC MI	326.3 146.3	62.08 BLH6625	42 17 17 85 09 54	3.000 80	362 0.3	21.7 Casptar Tx Limited Partner	53.55	40.08	
238D	AP238 Portage	APP MI	303.3 123.3	83.05 BNPFT20030317JWW	42 13 48 85 35 20	0.175 43	303 8.8	7.7 Midwest Communications, In	65.73	66.47	
238D	AP238 Middlebury	APP IN	256.6 76.6	81.45 BNPFT20030317EHG	41 39 01 85 41 52	0.013 93	356 8.9	6.0 Progressive Broadcasting S	66.70	66.51	
238D	AP238 Huntington	APP IN	274.7 94.7	61.76 BNPFT20030310AJA	41 52 03 85 29 17	0.080 19	280 9.2	5.3 Public Broadcasting Of Nor	47.74	47.26	
238D	AP238 Orland	APP IN	257.9 77.9	38.79 BNPFT20030317KHN	41 45 02 85 12 10	0.010 23	318 9.0	3.2 Family Stations, Inc.	28.02	26.68	
238L1	W000-L Defiance	LIC OH	150.8 330.8	65.23 BLL20021211AAL	41 18 41 84 21 55	0.035 51	264 9.2	5.7 Fort Defiance Youth Radio,	50.69	50.32	
239L1	AP239 Fort Wayne	APP IN	200.9 20.9	92.43 BNPL20000601ACY	41 02 47 85 08 25	0.000 -236	0 20.9	0.0 Fort Wayne Adventist Broad	86.13	71.55	
239A	WLRX Nappanee	LIC IN	249.8 69.8	118.25 BLH20020911AAU	41 26 58 86 04 30	1.250 150	408 21.0	23.8 Talking Stick Communicatio	40.21	73.48	
239A	WIMX Gibsonburg	LIC OH	109.1 289.1	117.39 BLH19931020KA	41 28 19 83 25 05	3.041 131	321 21.1	27.3 Riverside Broadcasting, In	29.73	68.98	
239L1	AP239 Ft Wayne	APP IN	200.1 20.1	89.83 BNPL20000608ACU	41 03 51 85 06 52	0.000 -243	0 20.8	0.0 Unity World Production, In	83.55	68.99	
239D	AP239 Albion	APP MI	357.1 177.1	49.52 BNPFT20030314ANG	42 16 10 84 46 36	0.010 146	446 18.5	7.0 Friends Of Christian Radio	20.33	24.06	
239D	AP239 Webberville	APP MI	25.6 205.6	99.54 BNPFT20030317BGW	42 37 51 84 13 17	0.019 81	367 17.6	6.1 Educational Media Foundati	73.92	75.87	
239B	WLHTFM Grand Rapids	LIC MI	330.2 150.2	155.32 BLH19840120AE	43 01 57 85 41 47	40.000 183	397 30.4	66.7 Regent Broadcasting Of Gra	11.79	58.23	
239B	WDPT Piqua	LIC OH	167.8 347.8	182.45 BMLH20010810AAO	40 13 03 84 17 37	50.000 147	444 31.1	64.6 Cxr Holdings, Inc.	38.59	86.75	
239D	AP239 Camden	APP MI	0.0 180.0	0.00 BNPFT20030317KMU	41 49 27 84 44 48	0.027 96	404 18.2	7.3 Family Stations, Inc.	-29.89*	-25.44*	
240L1	AP240 Freedom Township	APP MI	58.8 238.8	78.16 BNPL20000901ABZ	42 11 06 83 56 12	0.018 62	350 7.5	5.3 Washtenaw Community Colleg	65.38	65.35	
240D	AP240 Charlotte	APP MI	355.1 175.1	76.52 BNPFT20030317LAG	42 30 38 84 49 35	0.045 42	325 8.0	5.4 Family Stations, Inc.	63.19	63.10	
240A	WLKFM Three Rivers	LIC MI	279.2 99.2	74.91 BLH6731	41 55 41 85 38 18	3.000 96	348 9.1	23.8 Impact Radio, LLC	32.57	42.00	
240D	AP240 Deerfield	APP MI	84.6 264.6	81.37 BNPFT20030314ANJ	41 53 18 83 46 14	0.120 28	237 8.1	5.9 Spring Arbor University Co	67.19	67.35	
240D	AP240 Albion	APP MI	356.5 176.5	49.65 BNPFT20030317KWI	42 16 13 84 47 02	0.170 23	322 7.9	6.4 Family Stations, Inc.	34.80	35.31	
240D	AP240 Auburn	APP IN	205.5 25.5	56.00 BNPFT20030310AOG	41 22 08 85 02 07	0.120 632	904 9.0	27.6 Public Broadcasting Of Nor	6.56	19.40	
240D	AP240 Jackson	APP MI	32.6 212.6	59.42 BNPFT20030310AYS	42 16 25 84 21 27	0.100 39	333 7.5	6.3 Great Lakes Community Broa	44.99	45.60	
241A	WMTRFM Archbold	LIC OH	122.2 302.2	55.28 BLH19910308KA	41 33 29 84 11 08	3.800 125	348 0.3	28.2 Nobco, Inc.	46.20	26.80	
242B1	WNHT Churubusco	LIC IN	204.3 24.3	87.80 BLH19940425KX	41 06 13 85 10 44	6.700 162	414 0.4	42.1 Travis Broadcasting, LLC	77.99	45.31	
242D	AP242 Marshall	APP MI	334.8 154.8	46.78 BNPFT20030314ANA	42 12 17 84 59 19	0.038 50	346 0.3	5.7 Friends Of Christian Radio	39.96	40.77	

***Affixed to 'IN' or 'Out' values = site inside protected contour.
ERP and HAAT are on direct line to and from reference station.

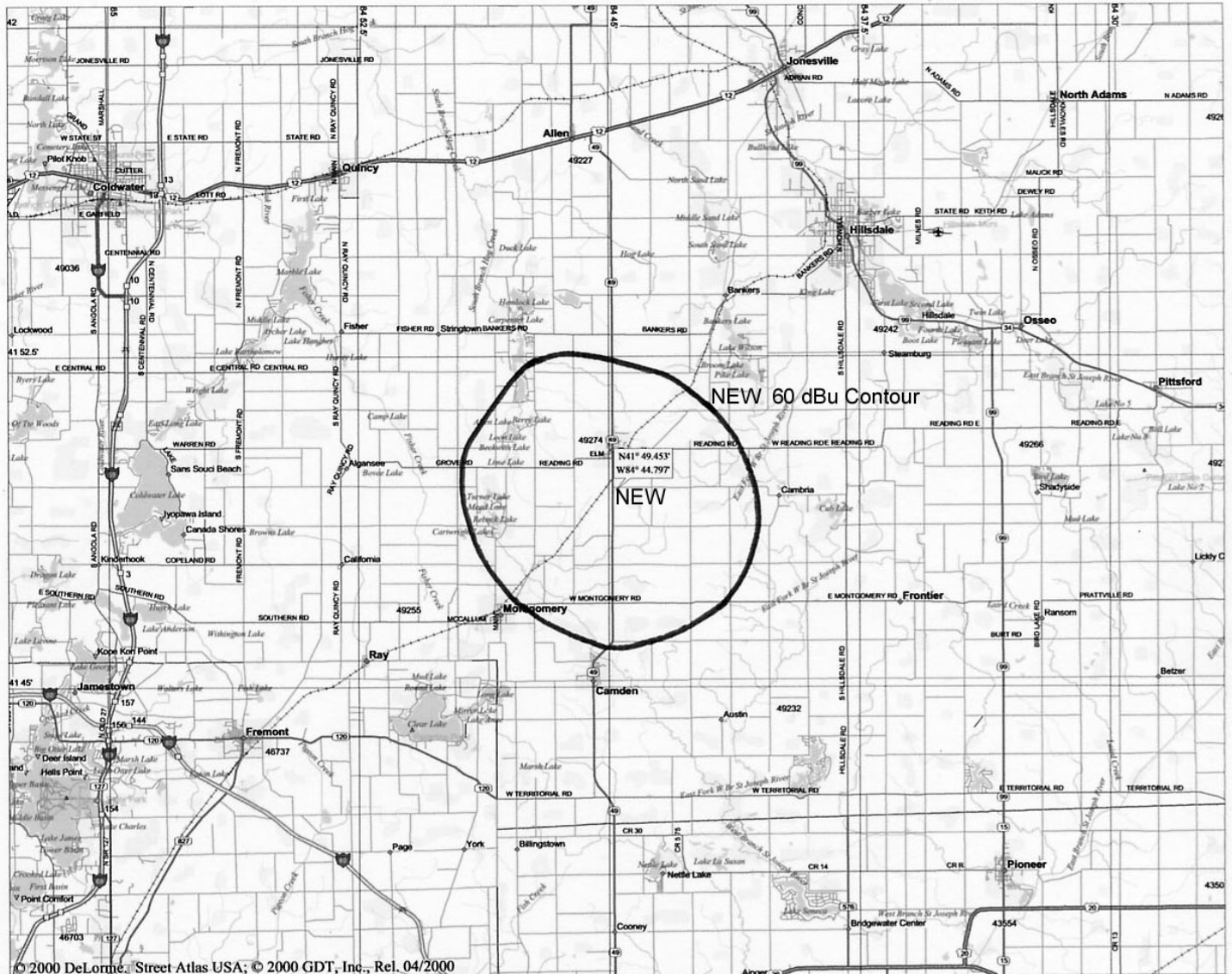
Interference Study

41 49 27
 84 44 48

ERP = .019 kW, -17.212 dBk					
Radial	HAAT	kW	FM - 2-6 Tables dBk	Field	60 dBu.5
0 Degs.	65.5M	0.019	-17.212	1.000	5.5
30 Degs.	61.1M	0.019	-17.212	1.000	5.4
60 Degs.	62.0M	0.019	-17.212	1.000	5.4
90 Degs.	74.3M	0.019	-17.212	1.000	5.9
120 Degs.	89.3M	0.019	-17.212	1.000	6.4
150 Degs.	91.5M	0.019	-17.212	1.000	6.5
180 Degs.	96.2M	0.019	-17.212	1.000	6.7
210 Degs.	87.2M	0.019	-17.212	1.000	6.4
240 Degs.	83.6M	0.019	-17.212	1.000	6.2
270 Degs.	90.7M	0.019	-17.212	1.000	6.5
300 Degs.	85.7M	0.019	-17.212	1.000	6.3
330 Degs.	89.8M	0.019	-17.212	1.000	6.5

Ave. HAAT= 81.4M, Ant. COR= 404.0M AMSL					

Interference Study



Scale 1:250,000

5 Miles

5 KM

- Local Road
- Major Connector
- State Route
- Rest Area