

Exhibit 12

Interference Analysis Overlap Requirements

According to CFR 47 §74.1204(a), translators are required to protect all existing FM stations from interference due to overlap of the protected contours of the existing stations with the interfering contours of the new translators.

US Stations

In the attached tabular printout, only WAUS and W210BF have outgoing contour overlaps from the proposed translator, so no interference to other stations is anticipated.

WAUS is second adjacent to the proposed translator, and, according to §74.1204(d),

"The provisions of this section concerning prohibited overlap will not apply where the area of such overlap lies entirely over water. In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to ... lack of population"

The F(50,50) signal from WAUS at the proposed site is 62.6 dBu, computed from the 50 kW ERP and 147.2 meter HAAT in the direction toward the reference 46.42 km away. A 40 dB ratio of undesired to desired signal strength gives an allowable interfering F(50,10) field strength of 102.6 dBu. The accompanying chart shows that with a 1 bay antenna, the interfering contour never reaches below 24.43 meters above the ground. Hence §74.1204(d) applies, and the predicted area of interference is acceptable to the Commission. Note that there are three buildings within the 187.49 meter free space radius of the site, two transmitter equipment sheds and a barn. None are over 9 meters (30 feet) high and none are occupied. Thus "no actual interference will occur due to ... a lack of population", as required above.

W210BF is the current application, and need not be protected.

Clearance with the CP designated 971009 is certified with the attached map.

No other entries are sufficiently close to the proposed translator to require analysis.

IF Separation

No stations separated by 53 or 54 channels were found by the search.

Canadian Consideration

The proposed translator is 238.2 km from the nearest point in Canada, within the 320 km limit established by treaty. The 0.013 kW ERP does not exceed the maximum 250 Watts, and the maximum 33.1 km F(50,10) 34 dBu contour (see data printout) does not exceed the statutory 60 km. No Canadian stations were found in the above search. Because the 34 dBu F(50,10) contour does not cross the common border (33.0 km maximum contour distance is less than the 328.2 km minimum distance to Canada), no Canadian concurrence is required. The relevant document for this analysis is the July 9, 1997 modification to the February 25, 1991 agreement.

Exhibit 12

IN Elkhart Tr w210BF Minor Change

REFERENCE CH# 212D - 90.3 MHz, Pwr= 0.013 kw, HAAT=126.1 M, COR= 351 M DISPLAY DATES
41 38 42 N. Average Protected F(50-50)= 6.96 km DATA 07-20-05
85 59 10 W. Ave. F(50-10) 40 dBu= 23.3 54 dBu= 9.8 80 dBu= 1.9 100 dBu= .3 SEARCH 08-13-05

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
212B Fort Wayne	WBCL	LIC IN	CX	132.1 312.7	89.35 BLED20040528AHQ	41 06 13 85 11 46	26.000 201	457 129.6	51.5 Taylor University Broadcas	-46.55< 16.79
214B Berrien Springs	WAUS	LIC MI	CN	319.5 139.3	46.42 BLED19920424KA	41 57 42 86 21 02	50.000 147	366 5.9	51.8 Andrews Broadcasting Corp.	33.67 -5.66*<
210D Elkhart	w210BF	LIC IN	C	216.4 36.4	0.04 BLFT19990810UB	41 38 41 85 59 11	0.011 124	351 0.2	6.6 World Radio Network, Inc.	-6.75*< -6.86*<
209A South Bend	WUBS.A	APP IN	DCX	279.1 99.0	22.44 BMPED20040213AAC	41 40 36 86 15 08	0.168 101	318 0.9	11.7 Icu Ministries, Inc.	14.43 10.44
209A South Bend Amended 990602	WUBS.C	CP IN	DCN	280.0 99.9	23.11 BPED19980408MD	41 40 51 86 15 34	0.285 82	299 1.2	12.1 Interfaith Christian Union	14.82 10.78
209A South Bend	WUBS	LIC IN	CN	280.0 99.9	23.11 BLED19930128KA	41 40 51 86 15 34	1.500 38	255 1.6	12.5 Interfaith Christian Union	14.40 10.40
210A Wakarusa	971009	CP IN	CN	145.9 326.0	24.30 BPED19971009MC	41 27 50 85 49 22	1.750 106	357 2.0	22.0 Bible Broadcasting Network	16.05 2.02
06Z1C Milwaukee	WITI	LI WI	N	316.3 135.0	224.87 BLCT19990129KT	43 05 26 87 53 50	100.000 334	511 4.0	106.1 Witi License,inc.	135.0R 89.9M
06Z1C Indianapolis	WRTV	LI IN	HY	185.4 5.3	194.73 BMLCT20050414ABE	39 53 57 86 12 04	100.000 261	534 3.6	100.0 Mcgraw-hill Broadcasting C	135.0R 59.7M
06-2C Lansing	WLNSTV	LI MI	HN	48.3 229.4	176.44 BLCT20020103AAA	42 41 19 84 22 35	100.000 306	577 4.0	104.0 Young Broadcasting Of Lans	135.0R 41.4M

ERP and HAAT are on direct line to and from reference station.

• affixed to TV6 Margin= no direct-line contour overlap.

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

HOW TO READ THE FM COMPUTER PRINT-OUT

The computer print-out should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. Contour distances are in kilometers and are predicted using spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "* IN *" is the sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of interference. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records unless otherwise noted, in which case the specific antenna heights along the azimuths between the reference station and the database station are used and visa versa. The column labeled "* OUT *" shows the distance of kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing interference.

For I.F., commercial, international and other spacing based relationships, the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum required distance in kilometers, while the letter "M" in the next column follows the available clear space separation in kilometers or "Margin". Minimum commercial separation distances were taken from Sec 73.207 of the rules as amended. This procedure is also used for all Canadian and Mexican spacing. Canadian separation distances were derived from the "Canadian/American Working Agreement".

Under the "BEARING" column, the first row of numbers indicate the bearings from true north of the data base stations in relationship with the reference station, while the numbers in the second row indicate the reverse bearings from the database station to the reference station.

The columns labeled "INT" and "PRO" hold the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

The first three letters of the "TYPE" column identify the current F.C.C. status of the stations. The fourth letter will be a "D" or "Z" (Sec. 73.215) if the facility is directional. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a 'Y' if the antenna uses beam tilt.

Exhibit 12

IN Elkhart

Freespace Interference Study based on Vertical Radiation Pattern

ERI 100-1 1 Bay Antenna

Depression Angle from Antenna	Antenna Relative Field	ERP Watts	ERP dBk	Distance to Ground from Antenna (m)	Free Space Signal (dBu)	2.5 dB Loss for Reflection	Signal Strength at Ground (dBu)	Circular Distance From Tower (m)	Distance to Contour using Free Space (m)	Height of Contour above Ground (m)
90	0.130	0.220	-36.58	98.00	90.51	2.5	88.01	0.00	18.28	79.72
85	0.200	0.520	-32.84	98.37	94.22	2.5	91.72	8.57	28.12	69.99
80	0.275	0.983	-30.07	99.51	96.89	2.5	94.39	17.28	38.66	59.92
75	0.360	1.685	-27.73	101.46	99.06	2.5	96.56	26.26	50.61	49.11
70	0.425	2.348	-26.29	104.29	100.26	2.5	97.76	35.67	59.75	41.85
65	0.490	3.121	-25.06	108.13	101.18	2.5	98.68	45.70	68.89	35.56
60	0.570	4.224	-23.74	113.16	102.10	2.5	99.60	56.58	80.14	28.60
55	0.630	5.160	-22.87	119.64	102.49	2.5	99.99	68.62	88.58	25.44
50	0.680	6.011	-22.21	127.93	102.57	2.5	100.07	82.23	95.60	24.76
45	0.740	7.119	-21.48	138.59	102.61	2.5	100.11	98.00	104.04	24.43
40	0.795	8.216	-20.85	152.46	102.40	2.5	99.90	116.79	111.77	26.15
35	0.840	9.173	-20.37	170.86	101.89	2.5	99.39	139.96	118.10	30.26
30	0.880	10.067	-19.97	196.00	101.10	2.5	98.60	169.74	123.72	36.14
25	0.925	11.123	-19.54	231.89	100.08	2.5	97.58	210.16	130.05	43.04
20	0.945	11.609	-19.35	286.53	98.42	2.5	95.92	269.25	132.86	52.56
15	0.975	12.358	-19.08	378.64	96.27	2.5	93.77	365.74	137.08	62.52
10	0.985	12.613	-18.99	564.36	92.90	2.5	90.40	555.79	138.49	73.95
5	0.996	12.896	-18.90	1124.42	87.01	2.5	84.51	1120.15	140.03	85.80

Distance to Ground Level assumes flat ground or a site where the site level is above average terrain in all azimuths.

Maximum ERP	13 watts	Max dBu at Ground Level	100.11	Lowest Height of Contour	24.43
Radiation Center AG	98 m				
Radiation Center AG	322 ft.				
Maximum ERP	-18.86 dBk				
Protected dBu	62.6 dBu				
Interfering dBu	102.6 dBu				
Free Space Distance	187.49 m				

Exhibit 12
IN Elkhart Tr vs 971009MC

FMCommander Allocation Study
08-14-2005

W210BF CH 212 D
.013 kW 351 M COR
Prot. = 60 dBu
Intef. = 100 dBu

971009 CH 210 A BPED19971009MC
1.75 kW, 357 M COR
Prot. = 60 dBu
Intef. = 100 dBu

Scale = 1:500,

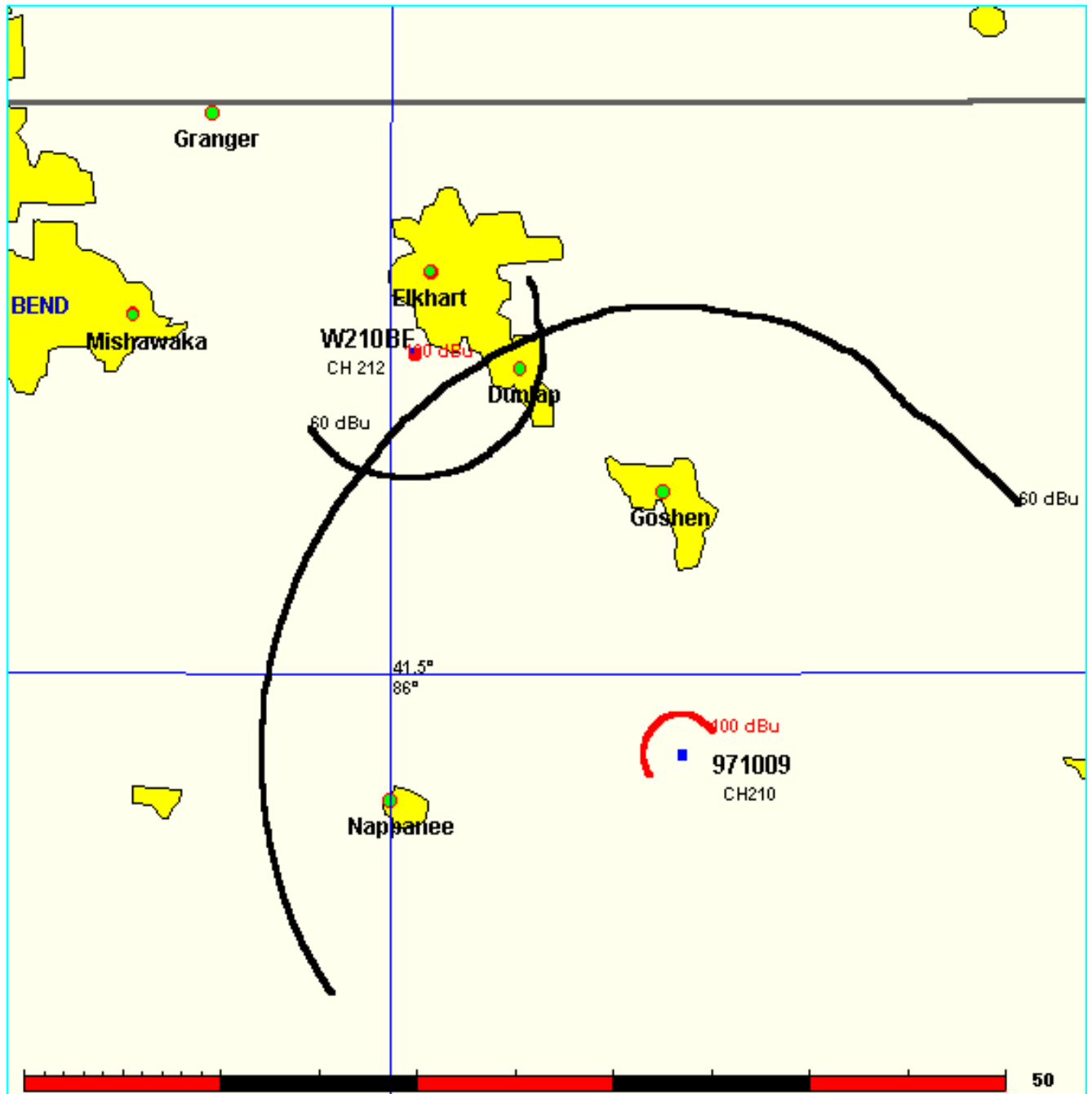


Exhibit 12
Terrain and Contour Data
W210BF Elkhart, IN

ERP 0.013 kW
N. Lat. 41 38 42
W. Lon. 85 59 10
Center of Radiation 351.00 m AMSL

Azimuth Deg T.	Avg Elev 3-16 km Meters AMSL	Effective Antenna Ht Meters AAT	ERP Kilowatts	Distance to Contour (km) 34.0 dBu F(50,10)
0	237.7	113.3	0.0130	31.3
30	227.7	123.3	0.0130	32.6
60	227.0	124.0	0.0130	32.7
90	242.3	108.7	0.0130	30.6
120	242.9	108.1	0.0130	30.5
150	249.8	101.2	0.0130	29.4
180	250.4	100.6	0.0130	29.3
210	240.3	110.7	0.0130	30.9
240	239.8	111.2	0.0130	31.0
-->270	224.5	126.5	0.0130	33.1<--
300	228.1	122.9	0.0130	32.6
330	232.3	118.7	0.0130	32.0
Average	236.900	114.100	<--HAAT m	