

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 AP260, WNND, WUSN, and WNND.C have outgoing contour overlaps from the proposed translator, so no interference to other stations is anticipated. Incoming overlap is not prohibited.

AP260 is the current application, and need not be protected.

WNND, WUSN, and WNND.C are 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) signals from WNND, WUSN, and WNND.C at the proposed site are 58.6, 58.7 and 58.7 dBu respectively. The most difficult of these to protect is the smallest, 58.6 dBu. A 40 dB ratio of undesired to desired signal strength gives an allowable interfering F(50,10) field strength of 98.6 dBu. Utilizing the specified 4 bay half wave spaced antenna at 49 meters from the ground, the maximum signal strength on the ground is only 97.66 dBu, which is below the 98.6 dBu given above, and the interfering contour reaches down to 5.01 m AGL (see attached spreadsheet). There are no habitable buildings in the area which reach up to intersect the contour. Hence §74.1204(d) applies, and the predicted area of interference is acceptable to the Commission.

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

Exhibit 12
CSN International

REFERENCE CH# 260D - 99.9 MHz, Pwr= 0.038 kW, HAAT=69.0 M, COR= 246 M DISPLAY DATES
 42 21 57 N Average Protected F(50-50)= 6.68 km DATA 08-21-03
 87 50 45 W Ave. F(50-10) 40 dBu= 22.3 54 dBu= 9.6 80 dBu= 2.1 100 dBu= .4 SEARCH 08-25-03

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*
260D Warkegan	AP260	APP C IL	0.0 180.0	0.00 BNPFT20030312AKV	42 21 57 87 50 45	0.007 43	246 17.1	3.4 Csn International	-16.17*	-20.48*
262B Chicago	WNND<	LIC CN IL	160.4 340.4	55.04 BLH19891120KC	41 53 56 87 37 23	8.300 356	538 0.9	65.3 Bonneville Holding Company	43.53	-11.10*
258B Chicago	WUSN<	LIC CX IL	160.4 340.4	55.04 BLH20030611AAT	41 53 56 87 37 23	5.700 424	606 0.9	65.8 Infinity Broadcasting Corp	43.95	-11.63*
262B Chicago	WNND.C<	CP CX IL	160.4 340.4	55.04 BPH20000614ACK	41 53 56 87 37 23	5.700 424	606 0.9	65.8 Bonneville Holding Company	43.95	-11.63*
260B Park Forest	WRZA<	LIC C IL	179.2 359.2	118.27 BMLH20010511ABE	41 18 04 87 49 35	50.000 139	359 25.0	63.5 Entravision Holdings, Llc	-23.22	29.79
260D Milwaukee	AP260	APP C WI	355.2 175.2	76.08 BNPFT20030317ANI	43 02 54 87 55 25	0.250 12	218 14.5	7.1 R & L Non-comm	47.76	54.45
260D Wauwatosa	AP260	APP C WI	351.7 171.7	76.47 BNPFT20030313BPP	43 02 49 87 58 52	0.120 9	227 14.0	5.9 Cornerstone Community Radi	52.53	56.57
260D Oak Creek	AP260	APP C WI	349.1 169.1	76.99 BNPFT20030317MLE	43 02 46 88 01 32	0.120 13	237 14.0	5.9 Sister Grace, Inc.	53.05	57.09

 "*"Affixed to 'IN' or 'Out' values = site inside protected contour.
 ERP and HAAT are on direct line to and from reference station.
 "<" = Station meets FCC minimum distance spacing for its class.

Exhibit 12

Freespace Interference Study based on Vertical Radiation Pattern ERI Series 100 4-bay 1/2-wave spaced 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	0.001	0.000	-76.99	49.00	56.13	2.5	53.63	0.00	0.28	48.72
85	0.002	0.000	-70.97	49.19	62.11	2.5	59.61	4.29	0.55	48.45
80	0.010	0.002	-56.99	49.76	75.99	2.5	73.49	8.64	2.76	46.28
75	0.021	0.009	-50.55	50.73	82.27	2.5	79.77	13.13	5.80	43.39
70	0.043	0.037	-44.32	52.14	88.26	2.5	85.76	17.83	11.88	37.83
65	0.073	0.107	-39.72	54.07	92.54	2.5	90.04	22.85	20.18	30.71
60	0.110	0.242	-36.16	56.58	95.70	2.5	93.20	28.29	30.40	22.67
55	0.150	0.450	-33.47	59.82	97.92	2.5	95.42	34.31	41.46	15.04
50	0.185	0.685	-31.65	63.96	99.15	2.5	96.65	41.12	51.13	9.83
45	0.200	0.800	-30.97	69.30	99.14	2.5	96.64	49.00	55.28	9.91
40	0.182	0.662	-31.79	76.23	97.49	2.5	94.99	58.40	50.30	16.67
35	0.115	0.265	-35.78	85.43	92.51	2.5	90.01	69.98	31.78	30.77
30	0.001	0.000	-76.99	98.00	50.11	2.5	47.61	84.87	0.28	48.86
25	0.177	0.627	-32.03	115.94	93.60	2.5	91.10	105.08	48.92	28.33
20	0.393	3.089	-25.10	143.27	98.70	2.5	96.20	134.63	108.62	11.85
15	0.615	7.565	-21.21	189.32	100.16	2.5	97.66	182.87	169.98	5.01
10	0.815	13.285	-18.77	282.18	99.14	2.5	96.64	277.89	225.25	9.89
5	0.952	18.126	-17.42	562.21	94.51	2.5	92.01	560.07	263.12	26.07

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

Maximum ERP	20 watts	Max dBu at Ground Level	97.66	Lowest Height of Contour	5.01
Radiation Center AG	49 m				
Radiation Center AG	161 ft.				
Maximum ERP	-16.99 dBk				
Protected dBu	58.6 dBu				
Interfering dBu	98.6 dBu				
Free Space Distance	368.57 m				