

Exhibit 12.1

Tabulation of Allocation

REFERENCE		CH# 281D - 104.1 MHz, Pwr= 0.225 kW, HAAT=88.3M, COR= 505 M								DISPLAY DATES	
47 31 08 N		Average Protected F(50-50)= 11.8 km								DATA	06-28-03
92 10 19 W		Ave. F(50-10) 40 dBu= 40.5 54 dBu= 17.3 80 dBu= 3.7 100 dBu= 1.1								SEARCH	07-02-03
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)	
280D	K280AW	LIC DHN	122.1	3.55	47 30 07	0	481	7.5	-3.93<	-7.16<	
Hoyt Lakes		MN	302.1	BLFT19781002JU	92 07 55	28	10.7	Heartland Christian Broadc			
TRANSLATOR FOR WAKX-FM, DULUTH, MN.											
281D	AP281	APP C	268.4	65.03	47 29 56	0.205	527	10.9	22.17	18.50	
Hibbing		MN	88.4	BNPFT20030317DTB	93 02 05	59	36.9	Edgewater Broadcasting Inc			
282C2	KZIO¹	LIC NCN	167.4	65.81	46 56 28	50	470	9.6	3.13	21.99	
Two Harbors		MN	347.4	BLH19960321KD	91 58 58	41	13.3	Red Rock Radio Corp.			
280D	W280CO¹	LIC DHN	262.1	23.10	47 29 24	0.025	495	11.2	3.47	1.14	
Gilbert		MN	82.1	BLFT19860403TQ	92 28 32	68	16.0	Heartland Christian Broadc			
TRANSLATOR FOR WAKX, DULUTH, MN.											
279D	AP279	APP C	283.6	29.13	47 34 47	0.14	572	8.9	19.40	18.42	
Virginia		MN	103.6	BNPFT20030317DUJ	92 32 54	74	1.1	Edgewater Broadcasting Inc			
280D	AP280	APP C	267.1	46.23	47 29 47	0.062	618	10.9	16.99	18.32	
Hibbing		MN	87.1	BNPFT20030317DST	92 47 05	181	15.5	Edgewater Broadcasting Inc			
280D	K280AT	LIC DHN	28.9	47.21	47 53 24	0	488	6.9	40.30	37.32	
Ely		MN	208.9	BLFT265	91 51 59	51	9.9	Range Paging, Inc			
TRANSLATOR FOR WAKXFM, DULUTH, MN.											
283D	AP283	APP C	268.0	43.16	47 30 15	0.25	497	10.9	31.18	31.90	
Buhl		MN	88.0	BNPFT20030314CHM	92 44 40	60	1.1	Northwestern College			
283D	NWC-X1	AP C	268.0	43.16	47 30 15	0.25	497	10.9	31.18	31.90	
Buhl		MN	88.0		92 44 40	60	1.1	Northwestern College			
284D	AP284	APP C	267.1	46.23	47 29 47	0.062	618	10.9	34.76	32.81	
Hibbing		MN	87.1	BNPFT20030317DSW	92 47 05	181	1.1	Edgewater Broadcasting Inc			
280D	K280AZ	LIC DHN	313.8	53.59	47 51 04	0	439	8.3	45.31	41.86	
Cook		MN	133.8	BLFT19790904IH	92 41 21	22	11.7	Heartland Christian Broadc			
TRANSLATOR FOR WAKXFM, DULUTH, MN.											
227D	AP227	APP C	267.1	46.23	47 29 47	0.062	618	10.9	3.2R	43.0M	
Hibbing		MN	87.1	BNPFT20030317IGW	92 47 05	181	10.9	Radio Assist Ministry Inc.			
281D	K281AB	LIC DVN	254.4	109.14	47 14 50	0.114	472	11.5	68.48	61.03	
Grand Rapids		MN	74.4	BLFT19940315TN	93 33 39	68	39.3	Minnesota Public Radio			
Translator for WSCDFM, Duluth, MN- Vertical Polarization Only											
227D	AP227	APP C	31.2	47.51	47 53 01	0.075	596	6.9	3.2R	44.3M	
Ely		MN	211.2	BNPFT20030317IGI	91 50 32	158	6.9	Radio Assist Ministry Inc.			
281C3	KSDM	LIC CN	323.4	149.51	48 35 29	8.5	397	8.1	58.12	99.63	
International Falls		MN	143.4	BLH19940422KE	93 22 54	52	27.1	Quarnstrom Media Group, Ll			
International Class is B with Respect to Canada											

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

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

"<" = Contour Overlap

¹ Contour Protections have been included in [Exhibit 12.2](#)

Exhibit 12.2

Select Contour Protections

FMCONT Allocation Study

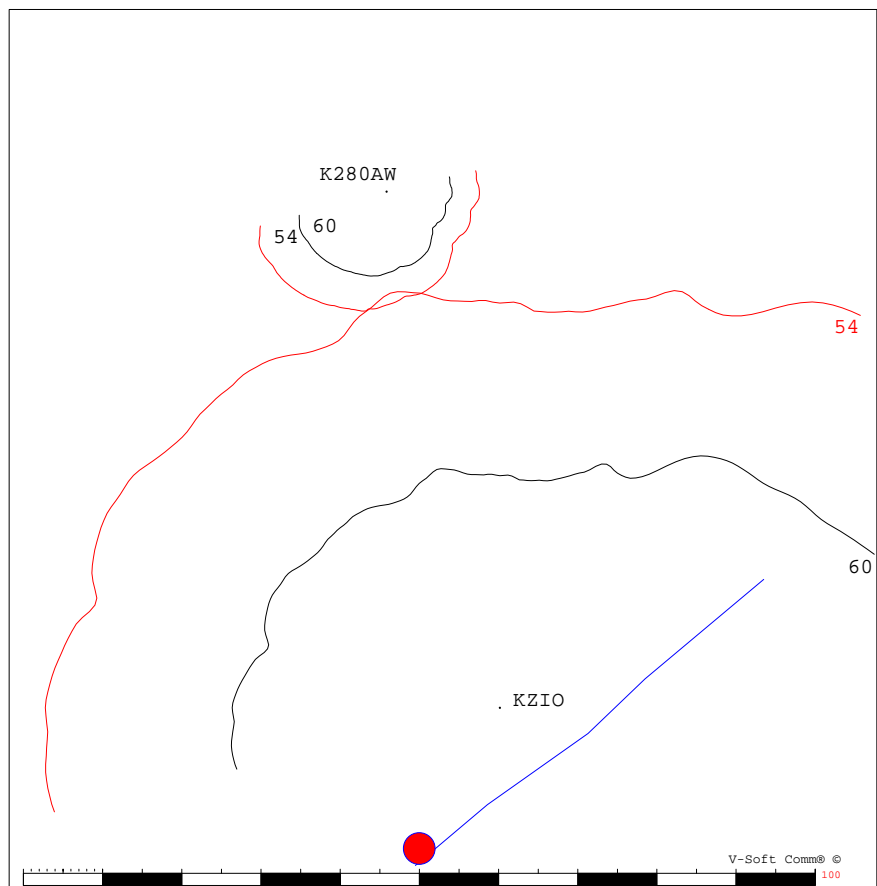
07-02-2003

K280AW on CH 281 D
.225 kW 505M COR
Prot. = 60 dBu
Intef. = 54 dBu

KZIO CH 282 C2
50kW, 470 M COR
Prot. = 60 dBu
Intef. = 54 dBu

1:1,000,000

Tabulations of Contours will be
supplied upon request.



FMCONT Allocation Study

07-02-2003

K280AW on CH 281 D
.225 kW 505M COR
Prot. = 60 dBu
Intef. = 54 dBu

W280CO CH 280 D
.092kW, 495 M COR DA
Prot. = 60 dBu
Intef. = 54 dBu

1:250,000

Tabulations of Contours will be
supplied upon request.

