

MINOR CHANGE APPLICATION
RADIO POWER, INC.
W252CI FM TRANSLATOR STATION
CH 251D - 98.1 MHZ - 0.25 KW (DA)
EAST TROY, WISCONSIN
January 2011

EXHIBIT B1

Interference Review for W252CI on Channel 251, East Troy, Wisconsin
Using Proposed Site as Reference

REFERENCE		CH# 251D - 98.1 MHz, Pwr= 0.25 kW DA, HAAT= 55.1 M, COR= 329.0 M								DISPLAY DATES	
42 44 48.5 N.		Average Protected F(50-50)= 9.8 km								DATA 01-05-11	
88 26 21.5 W.		Standard Directional								SEARCH 01-05-11	
CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
252D Como	W252CI	LIC	DV WI	209.2 29.1	16.4 BLFT20110103ACO	42 37 05.0 88 32 13.0	0.250	13.7 357	9.9 Radio Power Inc.	-4.4<	-3.6<
251B Madison	WMGN	LIC	CX WI	287.7 107.1	80.5 BLH20061121ABB	42 57 46.0 89 22 47.0	36.000 176	134.0 463	65.0 Mid-west Management, Inc.	-56.8*<	0.2<
252A Menomonee Falls	WJMR-FM	LIC	C WI	48.0 228.4	50.1 BLH20001213ACF	43 02 49.0 87 58 52.0	4.900 111	38.6 330	25.2 Lakefront Communications,	0.6	9.2
251D Racine	645220	APP	C WI	92.2 272.7	53.9 BNPFT20030317AQM	42 43 34.0 87 46 54.0	0.250	23.8 209	7.1 Sister Grace, Inc.	19.3	10.2
248B Rockford	WZOK	LIC	CX IL	223.5 43.1	71.5 BLH20070731ALC	42 16 45.0 89 02 15.0	50.000 138	5.1 378	58.7 Cumulus Licensing Llc	58.9	11.2
251D Racine	644790	APP	DC WI	85.9 266.3	51.8 BNPFT20030317APG	42 46 43.0 87 48 30.0	0.055	7.9 245	2.5 R & L Non-comm	33.2	13.0
254D Darien	W254BS	LIC	V WI	227.0 46.8	30.1 BLFT20100915ABU	42 33 44.0 88 42 26.0	0.250	1.1 296	7.1 Radio Power Inc.	21.5	21.9
252L1 Round Lake Heights	WRLR-LP	LIC	IL	145.0 325.2	48.9 BLL20060110AAE	42 23 11.0 88 05 51.0	0.096 30	8.4 269	5.9 Rondaradio	30.6	29.3
250B Chicago	WLUP-FM	LIC	CX IL	144.3 324.8	115.8 BLH20030702AAV	41 53 56.0 87 37 23.0	4.000 425	73.6 606	62.1 Emmis Radio License, Llc	32.2	33.1
252D Ridgefield	W252AW	LIC	C IL	173.3 353.4	54.5 BLFT20070129AAW	42 15 35.0 88 21 45.0	0.010	4.4 293	3.2 Juan Alberto Ayala	42.3	40.3
253B1 Freeport	WXXQ	LIC	CN IL	235.0 54.4	89.9 BLH19990125KF	42 16 48.0 89 19 59.0	11.000 150	3.9 395	44.7 Cumulus Licensing Llc	79.7	44.1
254B Chicago	WFMT	LIC	NC IL	145.3 325.9	117.0 BMLH20090415AAX	41 52 44.0 87 38 08.0	6.000 470	4.7 651	69.6 Window To The World Comm.	102.5	45.8
254A Mayville	WMDC	LIC	ZCN WI	354.8 174.7	77.1 BLH19981026KF	43 26 17.0 88 31 35.0	6.000 100	2.8 393	28.4 Radio Plus, Inc.	63.8	47.6
251A Cleveland	WLKN	LIC	NC WI	21.4 201.8	147.9 BLH19991025AET	43 59 03.0 87 45 55.0	5.800 89	83.6 310	26.1 Seehafer Broadcasting Corp	53.4	84.7

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
 Contour distances are on direct line to and from reference station. Reference Zone = 1, Co to 3rd adjacent.
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtlt(Y,N,X)
 "*"affixed to 'IN' or 'OUT' values = site inside protected contour.
 < = Contour Overlap

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EXHIBIT B2

Predicted contours:

North Latitude: 42° 44' 48.5" - Tabulated Protected and Interfering Contour Data
 West Longitude: 88° 26' 21.5" - W252CI FM Translator Station, East Troy, Wisconsin

HAAT and Distance to Contour - NGDC 30 second terrain database									
Azi.	AV EL	HAAT	ERP kW	dBk	Field	100-F1	60-F5	54-F1	40-F1
000	266.8	62.2	0.2500	-6.02	1.000	1.11	10.34	14.37	34.82
010	268.4	60.6	0.2500	-6.02	1.000	1.11	10.22	14.21	34.36
020	262.2	66.8	0.2500	-6.02	1.000	1.11	10.67	15.06	36.12
030	256.3	72.7	0.2500	-6.02	1.000	1.11	11.08	15.84	37.74
040	260.6	68.4	0.2500	-6.02	1.000	1.11	10.78	15.27	36.56
050	258.7	70.3	0.2500	-6.02	1.000	1.11	10.91	15.52	37.09
060	257.0	72.0	0.2500	-6.02	1.000	1.11	11.03	15.75	37.56
070	258.2	70.8	0.2500	-6.02	1.000	1.11	10.95	15.59	37.22
080	263.8	65.2	0.2500	-6.02	1.000	1.11	10.56	14.69	35.69
090	260.7	68.3	0.2500	-6.02	1.000	1.11	10.78	15.26	36.55
100	254.4	74.6	0.2500	-6.02	1.000	1.11	11.21	16.08	38.24
110	247.5	81.5	0.2500	-6.02	1.000	1.11	11.67	16.97	40.02
120	249.7	79.3	0.2500	-6.02	1.000	1.11	11.52	16.69	39.46
130	259.1	69.9	0.2500	-6.02	1.000	1.11	10.88	15.47	36.97
140	268.2	60.8	0.2500	-6.02	1.000	1.11	10.24	14.23	34.41
150	275.7	53.3	0.2500	-6.02	1.000	1.11	9.60	13.38	31.93
160	280.7	48.3	0.2500	-6.02	1.000	1.11	9.09	12.73	30.14
170	286.5	42.5	0.2500	-6.02	1.000	1.11	8.45	11.93	28.10
180	299.0	30.0	0.2500	-6.02	1.000	1.11	7.09	10.15	23.76
190	301.2	27.8	0.2500	-6.02	1.000	1.11	7.09	10.15	23.76
200	307.8	21.2	0.2500	-6.02	1.000	1.11	7.09	10.15	23.76
210	305.3	23.7	0.2500	-6.02	1.000	1.11	7.09	10.15	23.76
220	294.2	34.8	0.2500	-6.02	1.000	1.11	7.58	10.83	25.42
230	295.4	33.6	0.2500	-6.02	1.000	1.11	7.45	10.66	25.00
240	291.5	37.5	0.0500	-13.01	0.447	0.50	5.27	7.42	17.18
250	278.8	50.2	0.0150	-18.24	0.245	0.27	4.56	6.39	14.32
260	277.9	51.1	0.0070	-21.55	0.167	0.19	3.81	5.38	12.05
270	277.8	51.2	0.0050	-23.01	0.141	0.16	3.50	4.96	11.14
280	274.9	54.1	0.0040	-23.98	0.126	0.14	3.42	4.83	10.86
290	276.8	52.2	0.0040	-23.98	0.126	0.14	3.35	4.74	10.66
300	276.1	52.9	0.0040	-23.98	0.126	0.14	3.38	4.78	10.74
310	276.8	52.2	0.0040	-23.98	0.126	0.14	3.35	4.74	10.66
320	278.2	50.8	0.0050	-23.01	0.141	0.16	3.49	4.94	11.09
330	273.3	55.7	0.0070	-21.55	0.167	0.19	3.99	5.62	12.57
340	272.4	56.6	0.0306	-15.14	0.350	0.39	5.79	8.18	19.18
350	268.2	60.8	0.2500	-6.02	1.000	1.11	10.24	14.23	34.41

AMSL= 329.0 M