

Distance to 40dBu Contour Report

rfSoftware, Inc.

Job: WIN_284.fmj:Proposed
N48:28:41 W120:15:19 NAD-27
Channel: 279 Class: DX
Signal Level: 40dBu(0.1mV/m) [50-10]
Max ERP: 0.25kW(-6.02dBk) HAAT: -98.1 meters
Description: Exhibit 12-3

rfInvestigator-FM Version 2.0.79
by rfSoftware, Inc.
Date: 8/22/2003 3:30:26 PM
FCC 30-Sec DEM(NGDC)
Page 1 of 2

Site Elevation: 877 meters AMSL Rad Center: 892.0 meters AMSL

Distance to Contour:

Degs.	km	(miles)	Degs.	km	(miles)	Degs.	km	(miles)	Degs.	km	(miles)
000	3.9	(2.4)	047	4.7	(2.9)	094	20.3	(12.6)	141	58.2	(36.2)
001	3.9	(2.4)	048	4.8	(3.0)	095	20.5	(12.7)	142	56.6	(35.2)
002	3.9	(2.4)	049	4.9	(3.0)	096	20.7	(12.8)	143	55.4	(34.4)
003	3.9	(2.4)	050	5.0	(3.1)	097	20.8	(13.0)	144	54.8	(34.1)
004	3.9	(2.4)	051	5.7	(3.5)	098	22.1	(13.7)	145	54.8	(34.0)
005	3.9	(2.4)	052	6.3	(3.9)	099	28.8	(17.9)	146	54.7	(34.0)
006	3.9	(2.4)	053	6.8	(4.2)	100	34.8	(21.6)	147	54.5	(33.9)
007	3.9	(2.4)	054	7.3	(4.5)	101	40.3	(25.0)	148	53.9	(33.5)
008	3.9	(2.4)	055	7.8	(4.8)	102	44.3	(27.5)	149	53.1	(33.0)
009	3.9	(2.4)	056	8.3	(5.1)	103	47.1	(29.2)	150	52.5	(32.6)
010	3.9	(2.4)	057	8.7	(5.4)	104	49.0	(30.5)	151	51.9	(32.2)
011	3.9	(2.4)	058	9.1	(5.7)	105	50.1	(31.1)	152	50.8	(31.6)
012	3.9	(2.4)	059	9.5	(5.9)	106	50.5	(31.4)	153	49.1	(30.5)
013	3.9	(2.4)	060	9.9	(6.2)	107	50.5	(31.4)	154	47.5	(29.5)
014	3.9	(2.4)	061	10.4	(6.5)	108	50.5	(31.4)	155	47.0	(29.2)
015	3.9	(2.4)	062	10.9	(6.8)	109	50.8	(31.6)	156	46.4	(28.8)
016	3.9	(2.4)	063	11.3	(7.0)	110	51.3	(31.9)	157	44.4	(27.6)
017	3.9	(2.4)	064	11.7	(7.3)	111	51.8	(32.2)	158	41.0	(25.5)
018	3.9	(2.4)	065	12.2	(7.6)	112	52.2	(32.5)	159	37.3	(23.2)
019	3.9	(2.4)	066	12.5	(7.8)	113	52.7	(32.8)	160	34.4	(21.4)
020	3.9	(2.4)	067	12.9	(8.0)	114	53.4	(33.2)	161	34.5	(21.5)
021	3.9	(2.4)	068	13.3	(8.3)	115	54.2	(33.7)	162	37.9	(23.5)
022	3.9	(2.4)	069	13.7	(8.5)	116	54.8	(34.0)	163	40.7	(25.3)
023	4.7	(2.9)	070	14.0	(8.7)	117	55.3	(34.4)	164	41.8	(26.0)
024	5.7	(3.5)	071	14.3	(8.9)	118	56.1	(34.8)	165	42.1	(26.2)
025	6.6	(4.1)	072	14.6	(9.0)	119	57.2	(35.6)	166	42.3	(26.3)
026	7.3	(4.6)	073	14.8	(9.2)	120	58.3	(36.2)	167	41.4	(25.7)
027	7.8	(4.8)	074	15.1	(9.4)	121	59.1	(36.7)	168	38.8	(24.1)
028	7.8	(4.9)	075	15.4	(9.6)	122	60.0	(37.3)	169	36.3	(22.6)
029	7.7	(4.8)	076	15.8	(9.8)	123	60.9	(37.9)	170	33.0	(20.5)
030	7.8	(4.8)	077	16.1	(10.0)	124	62.1	(38.6)	171	27.4	(17.0)
031	8.0	(5.0)	078	16.4	(10.2)	125	63.2	(39.3)	172	20.4	(12.7)
032	8.1	(5.1)	079	16.7	(10.4)	126	64.1	(39.8)	173	18.8	(11.7)
033	7.9	(4.9)	080	17.0	(10.6)	127	64.7	(40.2)	174	18.6	(11.5)
034	7.4	(4.6)	081	17.3	(10.7)	128	65.2	(40.5)	175	18.3	(11.4)
035	6.7	(4.2)	082	17.5	(10.9)	129	65.6	(40.8)	176	18.1	(11.2)
036	6.2	(3.8)	083	17.8	(11.1)	130	65.9	(40.9)	177	17.8	(11.1)
037	5.7	(3.5)	084	18.1	(11.2)	131	65.8	(40.9)	178	17.5	(10.9)
038	5.2	(3.2)	085	18.3	(11.4)	132	65.8	(40.9)	179	17.3	(10.7)
039	4.6	(2.8)	086	18.6	(11.5)	133	65.8	(40.9)	180	17.0	(10.6)
040	4.2	(2.6)	087	18.8	(11.7)	134	65.7	(40.8)	181	16.7	(10.4)
041	4.0	(2.5)	088	19.0	(11.8)	135	65.1	(40.4)	182	16.4	(10.2)
042	4.1	(2.5)	089	19.3	(12.0)	136	64.1	(39.8)	183	16.1	(10.0)
043	4.2	(2.6)	090	19.5	(12.1)	137	63.0	(39.2)	184	15.8	(9.8)
044	4.4	(2.7)	091	19.7	(12.2)	138	62.0	(38.5)	185	15.4	(9.6)
045	4.5	(2.8)	092	19.9	(12.4)	139	60.9	(37.8)	186	15.1	(9.4)
046	4.6	(2.9)	093	20.1	(12.5)	140	59.7	(37.1)	187	14.8	(9.2)

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Distance to Contour:

Degs.	km	(miles)	Degs.	km	(miles)	Degs.	km	(miles)	Degs.	km	(miles)
188	14.6	(9.0)	235	3.9	(2.4)	282	3.9	(2.4)	329	5.6	(3.5)
189	14.3	(8.9)	236	3.9	(2.4)	283	3.9	(2.4)	330	3.9	(2.4)
190	14.0	(8.7)	237	3.9	(2.4)	284	3.9	(2.4)	331	3.9	(2.4)
191	13.7	(8.5)	238	3.9	(2.4)	285	3.9	(2.4)	332	3.9	(2.4)
192	13.3	(8.3)	239	3.9	(2.4)	286	3.9	(2.4)	333	3.9	(2.4)
193	12.9	(8.0)	240	3.9	(2.4)	287	3.9	(2.4)	334	3.9	(2.4)
194	12.5	(7.8)	241	3.9	(2.4)	288	3.9	(2.4)	335	3.9	(2.4)
195	12.2	(7.6)	242	3.9	(2.4)	289	3.9	(2.4)	336	3.9	(2.4)
196	11.7	(7.3)	243	3.9	(2.4)	290	3.9	(2.4)	337	3.9	(2.4)
197	11.3	(7.0)	244	3.9	(2.4)	291	3.9	(2.4)	338	3.9	(2.4)
198	10.9	(6.8)	245	3.9	(2.4)	292	3.9	(2.4)	339	3.9	(2.4)
199	10.4	(6.5)	246	3.9	(2.4)	293	3.9	(2.4)	340	3.9	(2.4)
200	9.9	(6.2)	247	3.9	(2.4)	294	3.9	(2.4)	341	3.9	(2.4)
201	9.5	(5.9)	248	3.9	(2.4)	295	3.9	(2.4)	342	3.9	(2.4)
202	9.1	(5.7)	249	3.9	(2.4)	296	3.9	(2.4)	343	3.9	(2.4)
203	8.7	(5.4)	250	3.9	(2.4)	297	3.9	(2.4)	344	3.9	(2.4)
204	8.3	(5.1)	251	3.9	(2.4)	298	3.9	(2.4)	345	3.9	(2.4)
205	7.8	(4.8)	252	3.9	(2.4)	299	3.9	(2.4)	346	3.9	(2.4)
206	7.3	(4.5)	253	3.9	(2.4)	300	3.9	(2.4)	347	3.9	(2.4)
207	6.8	(4.2)	254	3.9	(2.4)	301	3.9	(2.4)	348	3.9	(2.4)
208	6.3	(3.9)	255	3.9	(2.4)	302	3.9	(2.4)	349	3.9	(2.4)
209	5.7	(3.5)	256	3.9	(2.4)	303	3.9	(2.4)	350	3.9	(2.4)
210	5.0	(3.1)	257	3.9	(2.4)	304	3.9	(2.4)	351	3.9	(2.4)
211	4.9	(3.0)	258	3.9	(2.4)	305	3.9	(2.4)	352	3.9	(2.4)
212	4.8	(3.0)	259	3.9	(2.4)	306	3.9	(2.4)	353	3.9	(2.4)
213	4.7	(2.9)	260	3.9	(2.4)	307	3.9	(2.4)	354	3.9	(2.4)
214	4.6	(2.9)	261	3.9	(2.4)	308	3.9	(2.4)	355	3.9	(2.4)
215	4.5	(2.8)	262	3.9	(2.4)	309	3.9	(2.4)	356	3.9	(2.4)
216	4.4	(2.7)	263	3.9	(2.4)	310	3.9	(2.4)	357	3.9	(2.4)
217	4.2	(2.6)	264	3.9	(2.4)	311	3.9	(2.4)	358	3.9	(2.4)
218	4.1	(2.5)	265	3.9	(2.4)	312	5.2	(3.2)	359	3.9	(2.4)
219	4.0	(2.5)	266	3.9	(2.4)	313	7.6	(4.7)			
220	3.9	(2.4)	267	3.9	(2.4)	314	9.3	(5.8)			
221	3.9	(2.4)	268	3.9	(2.4)	315	10.3	(6.4)			
222	3.9	(2.4)	269	3.9	(2.4)	316	10.9	(6.8)			
223	3.9	(2.4)	270	3.9	(2.4)	317	11.2	(6.9)			
224	3.9	(2.4)	271	3.9	(2.4)	318	11.3	(7.0)			
225	3.9	(2.4)	272	3.9	(2.4)	319	11.5	(7.1)			
226	3.9	(2.4)	273	3.9	(2.4)	320	11.5	(7.2)			
227	3.9	(2.4)	274	3.9	(2.4)	321	11.5	(7.1)			
228	3.9	(2.4)	275	3.9	(2.4)	322	11.3	(7.0)			
229	3.9	(2.4)	276	3.9	(2.4)	323	11.0	(6.8)			
230	3.9	(2.4)	277	3.9	(2.4)	324	10.6	(6.6)			
231	3.9	(2.4)	278	3.9	(2.4)	325	10.2	(6.3)			
232	3.9	(2.4)	279	3.9	(2.4)	326	9.6	(6.0)			
233	3.9	(2.4)	280	3.9	(2.4)	327	8.6	(5.4)			
234	3.9	(2.4)	281	3.9	(2.4)	328	7.4	(4.6)			