

Distance to 40dBu Contour Report

rfSoftware, Inc.

Job: TWI_244.fmj:Proposed
 N48:28:41 W120:15:19 NAD-27
 Channel: 244 Class: DX
 Signal Level: 40dBu(0.1mV/m) [50-10]
 Max ERP: 0.25kW(-6.02dBk) HAAT: -95.7 meters
 Description: Exhibit 12-3

rfInvestigator-FM Version 2.0.79
 by rfSoftware, Inc.
 Date: 8/21/2003 3:58:53 PM
 FCC 30-Sec DEM(NGDC)
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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	57.3	(35.6)
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	56.3	(35.0)
003	3.9	(2.4)	050	5.0	(3.1)	097	26.7	(16.6)	144	56.2	(34.9)
004	3.9	(2.4)	051	5.7	(3.5)	098	32.5	(20.2)	145	55.9	(34.7)
005	3.9	(2.4)	052	6.3	(3.9)	099	37.9	(23.6)	146	55.4	(34.4)
006	3.9	(2.4)	053	6.8	(4.2)	100	42.5	(26.4)	147	54.6	(33.9)
007	3.9	(2.4)	054	7.3	(4.5)	101	45.4	(28.2)	148	53.7	(33.3)
008	3.9	(2.4)	055	7.8	(4.8)	102	47.5	(29.5)	149	52.7	(32.7)
009	3.9	(2.4)	056	8.3	(5.1)	103	49.1	(30.5)	150	51.7	(32.2)
010	3.9	(2.4)	057	8.7	(5.4)	104	49.8	(30.9)	151	50.4	(31.3)
011	3.9	(2.4)	058	9.1	(5.7)	105	50.0	(31.1)	152	48.6	(30.2)
012	3.9	(2.4)	059	9.5	(5.9)	106	50.2	(31.2)	153	47.2	(29.3)
013	3.9	(2.4)	060	9.9	(6.2)	107	50.5	(31.4)	154	46.7	(29.0)
014	3.9	(2.4)	061	10.4	(6.5)	108	50.9	(31.6)	155	46.1	(28.7)
015	3.9	(2.4)	062	10.9	(6.8)	109	51.4	(32.0)	156	44.2	(27.5)
016	3.9	(2.4)	063	11.3	(7.0)	110	52.0	(32.3)	157	40.6	(25.2)
017	3.9	(2.4)	064	11.7	(7.3)	111	52.4	(32.5)	158	36.4	(22.6)
018	3.9	(2.4)	065	12.2	(7.6)	112	52.8	(32.8)	159	33.7	(20.9)
019	3.9	(2.4)	066	12.5	(7.8)	113	53.5	(33.2)	160	33.5	(20.8)
020	3.9	(2.4)	067	12.9	(8.0)	114	54.1	(33.6)	161	36.4	(22.6)
021	3.9	(2.4)	068	13.3	(8.3)	115	54.7	(34.0)	162	39.5	(24.5)
022	3.9	(2.4)	069	13.7	(8.5)	116	55.3	(34.3)	163	40.8	(25.4)
023	4.6	(2.9)	070	14.0	(8.7)	117	56.1	(34.9)	164	41.2	(25.6)
024	5.6	(3.5)	071	14.3	(8.9)	118	57.1	(35.5)	165	41.0	(25.5)
025	6.4	(4.0)	072	14.6	(9.0)	119	58.2	(36.2)	166	39.9	(24.8)
026	7.1	(4.4)	073	14.8	(9.2)	120	59.2	(36.8)	167	36.9	(22.9)
027	7.7	(4.8)	074	15.1	(9.4)	121	59.9	(37.2)	168	33.5	(20.8)
028	7.9	(4.9)	075	15.4	(9.6)	122	60.8	(37.8)	169	30.2	(18.8)
029	8.0	(5.0)	076	15.8	(9.8)	123	61.8	(38.4)	170	25.3	(15.7)
030	8.1	(5.0)	077	16.1	(10.0)	124	62.7	(39.0)	171	19.3	(12.0)
031	8.2	(5.1)	078	16.4	(10.2)	125	63.4	(39.4)	172	19.0	(11.8)
032	8.2	(5.1)	079	16.7	(10.4)	126	63.9	(39.7)	173	18.8	(11.7)
033	8.0	(5.0)	080	17.0	(10.6)	127	64.3	(39.9)	174	18.6	(11.5)
034	7.6	(4.7)	081	17.3	(10.7)	128	64.5	(40.1)	175	18.3	(11.4)
035	7.0	(4.3)	082	17.5	(10.9)	129	64.5	(40.1)	176	18.1	(11.2)
036	6.4	(4.0)	083	17.8	(11.1)	130	64.4	(40.0)	177	17.8	(11.1)
037	5.9	(3.7)	084	18.1	(11.2)	131	64.2	(39.9)	178	17.5	(10.9)
038	5.4	(3.4)	085	18.3	(11.4)	132	64.1	(39.9)	179	17.3	(10.7)
039	4.9	(3.0)	086	18.6	(11.5)	133	64.0	(39.7)	180	17.0	(10.6)
040	4.4	(2.8)	087	18.8	(11.7)	134	63.5	(39.4)	181	16.7	(10.4)
041	4.2	(2.6)	088	19.0	(11.8)	135	62.7	(39.0)	182	16.4	(10.2)
042	4.1	(2.5)	089	19.3	(12.0)	136	61.8	(38.4)	183	16.1	(10.0)
043	4.2	(2.6)	090	19.5	(12.1)	137	61.0	(37.9)	184	15.8	(9.8)
044	4.4	(2.7)	091	19.7	(12.2)	138	60.1	(37.3)	185	15.4	(9.6)
045	4.5	(2.8)	092	19.9	(12.4)	139	59.2	(36.8)	186	15.1	(9.4)
046	4.6	(2.9)	093	20.1	(12.5)	140	58.3	(36.2)	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	7.7	(4.8)
189	14.3	(8.9)	236	3.9	(2.4)	283	3.9	(2.4)	330	6.3	(3.9)
190	14.0	(8.7)	237	3.9	(2.4)	284	3.9	(2.4)	331	4.7	(2.9)
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	3.9	(2.4)	359	3.9	(2.4)
219	4.0	(2.5)	266	3.9	(2.4)	313	3.9	(2.4)			
220	3.9	(2.4)	267	3.9	(2.4)	314	5.5	(3.4)			
221	3.9	(2.4)	268	3.9	(2.4)	315	7.6	(4.7)			
222	3.9	(2.4)	269	3.9	(2.4)	316	9.0	(5.6)			
223	3.9	(2.4)	270	3.9	(2.4)	317	9.9	(6.2)			
224	3.9	(2.4)	271	3.9	(2.4)	318	10.5	(6.5)			
225	3.9	(2.4)	272	3.9	(2.4)	319	10.8	(6.7)			
226	3.9	(2.4)	273	3.9	(2.4)	320	11.0	(6.9)			
227	3.9	(2.4)	274	3.9	(2.4)	321	11.1	(6.9)			
228	3.9	(2.4)	275	3.9	(2.4)	322	11.1	(6.9)			
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	10.8	(6.7)			
231	3.9	(2.4)	278	3.9	(2.4)	325	10.5	(6.5)			
232	3.9	(2.4)	279	3.9	(2.4)	326	10.1	(6.3)			
233	3.9	(2.4)	280	3.9	(2.4)	327	9.7	(6.0)			
234	3.9	(2.4)	281	3.9	(2.4)	328	8.8	(5.5)			