

Distance to FM Contour

Study: 4 WRTR 290C3 Brookwood Az 221.6
Site: WRTR 290C3 Brookwood site

Latitude: N33-14-17.00
Longitude: W87-29-06.00

True Radial Bearing (Degrees)	Average Elevation (meters)	Radiation Center Height Above Average Terrain (meters)	Effective Radiated Power (KW)	Distance to Contour 60.0 dBu F(50,50) (dBKW)	Distance to Contour (km)
0.00	120.10	57.90	25.00	13.98	30.56
1.00	119.31	58.69	25.00	13.98	30.75
2.00	117.23	60.77	25.00	13.98	31.23
3.00	114.04	63.96	25.00	13.98	31.93
4.00	112.75	65.25	25.00	13.98	32.22
5.00	111.39	66.61	25.00	13.98	32.53
6.00	108.82	69.18	25.00	13.98	33.10
7.00	111.15	66.85	25.00	13.98	32.58
8.00	112.79	65.21	25.00	13.98	32.22
9.00	113.30	64.70	25.00	13.98	32.10
10.00	112.96	65.04	25.00	13.98	32.18
11.00	113.60	64.40	25.00	13.98	32.03
12.00	114.69	63.31	25.00	13.98	31.79
13.00	115.37	62.63	25.00	13.98	31.64
14.00	115.98	62.02	25.00	13.98	31.50
15.00	119.09	58.91	25.00	13.98	30.80
16.00	121.31	56.69	25.00	13.98	30.27
17.00	124.75	53.25	25.00	13.98	29.39
18.00	127.04	50.96	25.00	13.98	28.79
19.00	127.81	50.19	25.00	13.98	28.58
20.00	127.91	50.09	25.00	13.98	28.55
21.00	125.79	52.21	25.00	13.98	29.12
22.00	122.40	55.60	25.00	13.98	30.00
23.00	119.19	58.81	25.00	13.98	30.78
24.00	115.21	62.79	25.00	13.98	31.67
25.00	110.79	67.21	25.00	13.98	32.67
26.00	106.50	71.50	25.00	13.98	33.61
27.00	103.53	74.47	25.00	13.98	34.25
28.00	105.50	72.50	25.00	13.98	33.83
29.00	106.56	71.44	25.00	13.98	33.60
30.00	101.12	76.88	25.00	13.98	34.76
31.00	94.70	83.30	25.00	13.98	36.06
32.00	94.80	83.20	25.00	13.98	36.04
33.00	96.95	81.05	25.00	13.98	35.61
34.00	99.73	78.27	25.00	13.98	35.04
35.00	100.97	77.03	25.00	13.98	34.79
36.00	103.63	74.37	25.00	13.98	34.23
37.00	107.02	70.98	25.00	13.98	33.50
38.00	107.36	70.64	25.00	13.98	33.42
39.00	107.33	70.67	25.00	13.98	33.43

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True Radial Bearing (Degrees)	Average Elevation (meters)	Radiation Center Height Above Average Terrain (meters)	Effective Radiated Power (KW)	Distance to Contour 60.0 dBu F(50,50) (dBKW) (km)
40.00	103.79	74.21	25.00	13.98
41.00	99.76	78.24	25.00	13.98
42.00	96.44	81.56	25.00	13.98
43.00	99.90	78.10	25.00	13.98
44.00	107.38	70.62	25.00	13.98
45.00	110.73	67.27	25.00	13.98
46.00	109.15	68.85	25.00	13.98
47.00	108.45	69.55	25.00	13.98
48.00	107.69	70.31	25.00	13.98
49.00	107.84	70.16	25.00	13.98
50.00	103.53	74.47	25.00	13.98
51.00	100.99	77.01	25.00	13.98
52.00	99.39	78.61	25.00	13.98
53.00	94.63	83.37	25.00	13.98
54.00	89.54	88.46	25.00	13.98
55.00	90.19	87.81	25.00	13.98
56.00	90.90	87.10	25.00	13.98
57.00	94.50	83.50	25.00	13.98
58.00	98.07	79.93	25.00	13.98
59.00	99.04	78.96	25.00	13.98
60.00	99.53	78.47	25.00	13.98
61.00	95.81	82.19	25.00	13.98
62.00	94.26	83.74	25.00	13.98
63.00	99.24	78.76	25.00	13.98
64.00	104.25	73.75	25.00	13.98
65.00	107.30	70.70	25.00	13.98
66.00	108.90	69.10	25.00	13.98
67.00	111.02	66.98	25.00	13.98
68.00	111.87	66.13	25.00	13.98
69.00	114.51	63.49	25.00	13.98
70.00	116.52	61.48	25.00	13.98
71.00	118.82	59.18	25.00	13.98
72.00	118.95	59.05	25.00	13.98
73.00	119.67	58.33	25.00	13.98
74.00	121.79	56.21	25.00	13.98
75.00	124.06	53.94	25.00	13.98
76.00	125.60	52.40	25.00	13.98
77.00	127.98	50.02	25.00	13.98
78.00	131.72	46.28	25.00	13.98
79.00	133.29	44.71	25.00	13.98
80.00	133.98	44.02	25.00	13.98
81.00	134.05	43.95	25.00	13.98
82.00	134.25	43.75	25.00	13.98
83.00	134.15	43.85	25.00	13.98
84.00	132.77	45.23	25.00	13.98
85.00	131.71	46.29	25.00	13.98

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True Radial Bearing (Degrees)	Average Elevation (meters)	Radiation Center Height Above Average Terrain (meters)	Effective Radiated Power (KW)	Distance to Contour 60.0 dBu F(50,50) (dBKW) (km)
86.00	130.24	47.76	25.00	13.98
87.00	129.06	48.94	25.00	13.98
88.00	127.92	50.08	25.00	13.98
89.00	126.87	51.13	25.00	13.98
90.00	125.55	52.45	25.00	13.98
91.00	124.94	53.06	25.00	13.98
92.00	124.77	53.23	25.00	13.98
93.00	123.41	54.59	25.00	13.98
94.00	121.95	56.05	25.00	13.98
95.00	119.14	58.86	25.00	13.98
96.00	115.90	62.10	25.00	13.98
97.00	112.42	65.58	25.00	13.98
98.00	110.60	67.40	25.00	13.98
99.00	107.06	70.94	25.00	13.98
100.00	103.56	74.44	25.00	13.98
101.00	104.29	73.71	25.00	13.98
102.00	103.17	74.83	25.00	13.98
103.00	99.87	78.13	25.00	13.98
104.00	99.85	78.15	25.00	13.98
105.00	102.06	75.94	25.00	13.98
106.00	103.84	74.16	25.00	13.98
107.00	104.89	73.11	25.00	13.98
108.00	105.62	72.38	25.00	13.98
109.00	106.47	71.53	25.00	13.98
110.00	106.83	71.17	25.00	13.98
111.00	107.66	70.34	25.00	13.98
112.00	108.43	69.57	25.00	13.98
113.00	108.90	69.10	25.00	13.98
114.00	108.33	69.67	25.00	13.98
115.00	107.74	70.26	25.00	13.98
116.00	104.84	73.16	25.00	13.98
117.00	100.64	77.36	25.00	13.98
118.00	98.95	79.05	25.00	13.98
119.00	98.99	79.01	25.00	13.98
120.00	99.40	78.60	25.00	13.98
121.00	99.74	78.26	25.00	13.98
122.00	100.05	77.95	25.00	13.98
123.00	100.21	77.79	25.00	13.98
124.00	100.02	77.98	25.00	13.98
125.00	99.36	78.64	25.00	13.98
126.00	97.44	80.56	25.00	13.98
127.00	95.52	82.48	25.00	13.98
128.00	93.38	84.62	25.00	13.98
129.00	92.90	85.10	25.00	13.98
130.00	91.78	86.22	25.00	13.98
131.00	93.37	84.63	25.00	13.98

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True Radial Bearing (Degrees)	Average Elevation (meters)	Radiation Center Height Above Average Terrain (meters)	Effective Radiated Power (KW)	(dBKW)	Distance to Contour 60.0 dBu F(50,50) (km)
132.00	94.03	83.97	25.00	13.98	36.19
133.00	94.73	83.27	25.00	13.98	36.05
134.00	94.04	83.96	25.00	13.98	36.19
135.00	94.05	83.95	25.00	13.98	36.18
136.00	94.60	83.40	25.00	13.98	36.08
137.00	94.17	83.83	25.00	13.98	36.16
138.00	92.98	85.02	25.00	13.98	36.39
139.00	94.10	83.90	25.00	13.98	36.17
140.00	93.96	84.04	25.00	13.98	36.20
141.00	94.00	84.00	25.00	13.98	36.19
142.00	94.89	83.11	25.00	13.98	36.02
143.00	94.49	83.51	25.00	13.98	36.10
144.00	93.24	84.76	25.00	13.98	36.34
145.00	90.86	87.14	25.00	13.98	36.80
146.00	89.36	88.64	25.00	13.98	37.08
147.00	88.84	89.16	25.00	13.98	37.18
148.00	89.95	88.05	25.00	13.98	36.97
149.00	90.85	87.15	25.00	13.98	36.80
150.00	91.60	86.40	25.00	13.98	36.66
151.00	90.70	87.30	25.00	13.98	36.83
152.00	90.06	87.94	25.00	13.98	36.95
153.00	90.74	87.26	25.00	13.98	36.82
154.00	91.85	86.15	25.00	13.98	36.61
155.00	91.43	86.57	25.00	13.98	36.69
156.00	92.95	85.05	25.00	13.98	36.40
157.00	94.36	83.64	25.00	13.98	36.12
158.00	94.64	83.36	25.00	13.98	36.07
159.00	95.38	82.62	25.00	13.98	35.92
160.00	96.27	81.73	25.00	13.98	35.74
161.00	95.13	82.87	25.00	13.98	35.97
162.00	92.74	85.26	25.00	13.98	36.44
163.00	91.92	86.08	25.00	13.98	36.60
164.00	93.26	84.74	25.00	13.98	36.34
165.00	93.16	84.84	25.00	13.98	36.36
166.00	95.24	82.76	25.00	13.98	35.95
167.00	96.74	81.26	25.00	13.98	35.65
168.00	98.35	79.65	25.00	13.98	35.33
169.00	100.76	77.24	25.00	13.98	34.83
170.00	103.43	74.57	25.00	13.98	34.27
171.00	106.06	71.94	25.00	13.98	33.71
172.00	108.35	69.65	25.00	13.98	33.21
173.00	110.12	67.88	25.00	13.98	32.81
174.00	112.00	66.00	25.00	13.98	32.39
175.00	113.14	64.86	25.00	13.98	32.14
176.00	113.82	64.18	25.00	13.98	31.98
177.00	114.37	63.63	25.00	13.98	31.86

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True Radial Bearing (Degrees)	Average Elevation (meters)	Radiation Center Height Above Average Terrain (meters)	Effective Radiated Power (KW)	(dBKW)	Distance to Contour 60.0 dBu F(50,50) (km)
178.00	114.17	63.83	25.00	13.98	31.90
179.00	113.74	64.26	25.00	13.98	32.00
180.00	113.80	64.20	25.00	13.98	31.99
181.00	114.98	63.02	25.00	13.98	31.72
182.00	112.83	65.17	25.00	13.98	32.21
183.00	109.07	68.93	25.00	13.98	33.05
184.00	107.45	70.55	25.00	13.98	33.40
185.00	108.22	69.78	25.00	13.98	33.24
186.00	106.41	71.59	25.00	13.98	33.63
187.00	105.11	72.89	25.00	13.98	33.91
188.00	104.10	73.90	25.00	13.98	34.13
189.00	104.20	73.80	25.00	13.98	34.11
190.00	103.05	74.95	25.00	13.98	34.35
191.00	100.56	77.44	25.00	13.98	34.87
192.00	99.77	78.23	25.00	13.98	35.03
193.00	99.60	78.40	25.00	13.98	35.07
194.00	96.30	81.70	25.00	13.98	35.74
195.00	94.47	83.53	25.00	13.98	36.10
196.00	92.58	85.42	25.00	13.98	36.47
197.00	92.37	85.63	25.00	13.98	36.51
198.00	90.41	87.59	25.00	13.98	36.88
199.00	88.13	89.87	25.00	13.98	37.31
200.00	86.99	91.01	25.00	13.98	37.52
201.00	84.60	93.40	25.00	13.98	37.95
202.00	83.62	94.38	25.00	13.98	38.12
203.00	81.41	96.59	25.00	13.98	38.51
204.00	78.51	99.49	25.00	13.98	39.00
205.00	75.26	102.74	25.00	13.98	39.53
206.00	72.98	105.02	25.00	13.98	39.89
207.00	71.76	106.24	25.00	13.98	40.08
208.00	71.22	106.78	25.00	13.98	40.16
209.00	70.70	107.30	25.00	13.98	40.24
210.00	70.05	107.95	25.00	13.98	40.34
211.00	68.96	109.04	25.00	13.98	40.50
212.00	67.58	110.42	25.00	13.98	40.71
213.00	65.97	112.03	25.00	13.98	40.94
214.00	64.12	113.88	25.00	13.98	41.20
215.00	62.16	115.84	25.00	13.98	41.47
216.00	60.48	117.52	25.00	13.98	41.70
217.00	58.87	119.13	25.00	13.98	41.92
218.00	57.31	120.69	25.00	13.98	42.12
219.00	55.79	122.21	25.00	13.98	42.31
220.00	54.37	123.63	25.00	13.98	42.50
221.00	53.39	124.61	25.00	13.98	42.62
221.60	53.29	124.71	25.00	13.98	42.63
222.00	53.23	124.77	25.00	13.98	42.64

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True Radial Bearing (Degrees)	Average Elevation (meters)	Radiation Center Height Above Average Terrain (meters)	Effective Radiated Power (KW)	(dBKW)	Distance to Contour 60.0 dBu F(50,50) (km)
223.00	52.79	125.21	25.00	13.98	42.70
224.00	52.37	125.63	25.00	13.98	42.75
225.00	52.27	125.73	25.00	13.98	42.77
226.00	52.42	125.58	25.00	13.98	42.75
227.00	53.07	124.93	25.00	13.98	42.66
228.00	53.79	124.21	25.00	13.98	42.57
229.00	54.50	123.50	25.00	13.98	42.48
230.00	55.57	122.43	25.00	13.98	42.34
231.00	56.48	121.52	25.00	13.98	42.23
232.00	57.53	120.47	25.00	13.98	42.09
233.00	58.48	119.52	25.00	13.98	41.97
234.00	59.59	118.41	25.00	13.98	41.82
235.00	60.51	117.49	25.00	13.98	41.70
236.00	61.28	116.72	25.00	13.98	41.59
237.00	61.77	116.23	25.00	13.98	41.53
238.00	62.06	115.94	25.00	13.98	41.49
239.00	61.90	116.10	25.00	13.98	41.51
240.00	61.63	116.37	25.00	13.98	41.55
241.00	61.10	116.90	25.00	13.98	41.62
242.00	60.38	117.62	25.00	13.98	41.72
243.00	59.70	118.30	25.00	13.98	41.81
244.00	58.88	119.12	25.00	13.98	41.92
245.00	57.59	120.41	25.00	13.98	42.08
246.00	55.56	122.44	25.00	13.98	42.34
247.00	53.32	124.68	25.00	13.98	42.63
248.00	50.60	127.40	25.00	13.98	42.98
249.00	48.07	129.93	25.00	13.98	43.32
250.00	45.00	133.00	25.00	13.98	43.72
251.00	40.45	137.55	25.00	13.98	44.33
252.00	37.26	140.74	25.00	13.98	44.76
253.00	35.24	142.76	25.00	13.98	45.03
254.00	35.43	142.57	25.00	13.98	45.01
255.00	37.11	140.89	25.00	13.98	44.78
256.00	39.43	138.57	25.00	13.98	44.47
257.00	42.01	135.99	25.00	13.98	44.12
258.00	44.17	133.83	25.00	13.98	43.83
259.00	45.94	132.06	25.00	13.98	43.60
260.00	47.29	130.71	25.00	13.98	43.42
261.00	48.54	129.46	25.00	13.98	43.25
262.00	49.74	128.26	25.00	13.98	43.10
263.00	50.93	127.07	25.00	13.98	42.94
264.00	52.18	125.82	25.00	13.98	42.78
265.00	53.58	124.42	25.00	13.98	42.60
266.00	55.45	122.55	25.00	13.98	42.36
267.00	57.08	120.92	25.00	13.98	42.15
268.00	58.77	119.23	25.00	13.98	41.93

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True Radial Bearing (Degrees)	Average Elevation (meters)	Radiation Center Height Above Average Terrain (meters)	Effective Radiated Power (KW)	(dBKW)	Distance to Contour 60.0 dBu F(50,50) (km)
269.00	60.42	117.58	25.00	13.98	41.71
270.00	62.00	116.00	25.00	13.98	41.50
271.00	63.76	114.24	25.00	13.98	41.25
272.00	65.69	112.31	25.00	13.98	40.98
273.00	67.93	110.07	25.00	13.98	40.65
274.00	69.94	108.06	25.00	13.98	40.35
275.00	71.20	106.80	25.00	13.98	40.16
276.00	71.33	106.67	25.00	13.98	40.14
277.00	72.13	105.87	25.00	13.98	40.02
278.00	73.06	104.94	25.00	13.98	39.88
279.00	75.66	102.34	25.00	13.98	39.46
280.00	78.85	99.15	25.00	13.98	38.94
281.00	80.50	97.50	25.00	13.98	38.66
282.00	81.08	96.92	25.00	13.98	38.56
283.00	82.06	95.94	25.00	13.98	38.39
284.00	83.36	94.64	25.00	13.98	38.17
285.00	84.24	93.76	25.00	13.98	38.01
286.00	82.98	95.02	25.00	13.98	38.23
287.00	82.06	95.94	25.00	13.98	38.39
288.00	82.59	95.41	25.00	13.98	38.30
289.00	83.92	94.08	25.00	13.98	38.07
290.00	85.86	92.14	25.00	13.98	37.72
291.00	87.29	90.71	25.00	13.98	37.46
292.00	88.05	89.95	25.00	13.98	37.32
293.00	88.94	89.06	25.00	13.98	37.16
294.00	89.47	88.53	25.00	13.98	37.06
295.00	90.30	87.70	25.00	13.98	36.90
296.00	91.11	86.89	25.00	13.98	36.75
297.00	92.06	85.94	25.00	13.98	36.57
298.00	92.76	85.24	25.00	13.98	36.43
299.00	93.71	84.29	25.00	13.98	36.25
300.00	93.06	84.94	25.00	13.98	36.38
301.00	91.56	86.44	25.00	13.98	36.66
302.00	91.05	86.95	25.00	13.98	36.76
303.00	92.25	85.75	25.00	13.98	36.53
304.00	93.71	84.29	25.00	13.98	36.25
305.00	93.82	84.18	25.00	13.98	36.23
306.00	93.49	84.51	25.00	13.98	36.29
307.00	94.26	83.74	25.00	13.98	36.14
308.00	95.66	82.34	25.00	13.98	35.87
309.00	97.26	80.74	25.00	13.98	35.55
310.00	98.01	79.99	25.00	13.98	35.39
311.00	98.17	79.83	25.00	13.98	35.36
312.00	98.49	79.51	25.00	13.98	35.30
313.00	99.14	78.86	25.00	13.98	35.16
314.00	99.69	78.31	25.00	13.98	35.05

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True Radial Bearing (Degrees)	Average Elevation (meters)	Radiation Center Height Above Average Terrain (meters)	Effective Radiated Power (KW)	(dBKW)	Distance to Contour 60.0 dBu F(50,50) (km)
315.00	100.00	78.00	25.00	13.98	34.99
316.00	100.72	77.28	25.00	13.98	34.84
317.00	100.80	77.20	25.00	13.98	34.82
318.00	100.45	77.55	25.00	13.98	34.89
319.00	99.81	78.19	25.00	13.98	35.03
320.00	99.77	78.23	25.00	13.98	35.03
321.00	99.66	78.34	25.00	13.98	35.06
322.00	96.94	81.06	25.00	13.98	35.61
323.00	93.80	84.20	25.00	13.98	36.23
324.00	92.12	85.88	25.00	13.98	36.56
325.00	89.34	88.66	25.00	13.98	37.08
326.00	85.18	92.82	25.00	13.98	37.84
327.00	81.02	96.98	25.00	13.98	38.57
328.00	77.17	100.83	25.00	13.98	39.22
329.00	75.89	102.11	25.00	13.98	39.43
330.00	74.83	103.17	25.00	13.98	39.60
331.00	74.71	103.29	25.00	13.98	39.62
332.00	76.76	101.24	25.00	13.98	39.28
333.00	74.18	103.82	25.00	13.98	39.70
334.00	71.62	106.38	25.00	13.98	40.10
335.00	73.17	104.83	25.00	13.98	39.86
336.00	75.16	102.84	25.00	13.98	39.54
337.00	78.65	99.35	25.00	13.98	38.97
338.00	83.68	94.32	25.00	13.98	38.11
339.00	86.06	91.94	25.00	13.98	37.69
340.00	88.49	89.51	25.00	13.98	37.24
341.00	93.01	84.99	25.00	13.98	36.39
342.00	95.65	82.35	25.00	13.98	35.87
343.00	96.27	81.73	25.00	13.98	35.74
344.00	99.63	78.37	25.00	13.98	35.06
345.00	103.86	74.14	25.00	13.98	34.18
346.00	108.62	69.38	25.00	13.98	33.15
347.00	112.29	65.71	25.00	13.98	32.33
348.00	116.58	61.42	25.00	13.98	31.37
349.00	119.93	58.07	25.00	13.98	30.60
350.00	122.18	55.82	25.00	13.98	30.05
351.00	125.32	52.68	25.00	13.98	29.25
352.00	127.16	50.84	25.00	13.98	28.75
353.00	127.76	50.24	25.00	13.98	28.59
354.00	128.63	49.37	25.00	13.98	28.35
355.00	128.77	49.23	25.00	13.98	28.31
356.00	129.08	48.92	25.00	13.98	28.23
357.00	128.38	49.62	25.00	13.98	28.42
358.00	126.48	51.52	25.00	13.98	28.94
359.00	123.25	54.75	25.00	13.98	29.78

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Radiation Center (AGL):	87.0 meters	285.4 feet
Radiation Center (AMSL):	178.0 meters	584.0 feet
Radiation Center (HAAT):	84.8 meters	278.3 feet
Average Terrain (AMSL):	93.2 meters	305.7 feet
Ground AMSL:	91.0 meters	298.6 feet

Peak ERP:	25.0 KW
Frequency:	105.9 MHz
Antenna:	
Orientation:	0.00°
Downtilt:	0.00°

Area within 60.0 dBu F(50,50) Contour is 4099.7 km