Facilities are those assigned under Appendix B
Call Letters: KXNETV-D
File Number:
Latitude: 42-14-15 N
Longitude: 097-16-41 W
ERP: 53.80 kW
Channel: 19
Frequency: 503.0 MHz
AMSL Height: 864.0 m
Elevation: 544.4.0 m
HAAT: 344.96 m
Horiz. Antenna Pattern: Directional
Vert. Elevation Pattern: Yes
Electrical Beam Tilt: 0.0

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 90.0 %
# of Radials Calculated: 360
Field Strength: 39.25 dBuV/m

Primary Terrain: V-Soft 3 Second US Terrain
Secondary Terrain: V-Soft 30 Second US Database

Bearing (deg)	Distance (km)	HAAT (m)
0.0	71.7	347.3
1.0	71.2	347.9
2.0	70.7	348.2
3.0	70.1	347.4
4.0	69.6	347.0
5.0	69.1	347.8
6.0	68.5	348.5
7.0	67.9	348.2
8.0	67.3	348.1
9.0	66.6	348.1
10.0	66.0	349.4
11.0	65.7	349.9
12.0	65.3	350.0
13.0	65.0	351.3
14.0	64.7	353.6
15.0	64.3	355.2
16.0	63.9	354.4
17.0	63.4	353.9
18.0	62.9	353.4
19.0	62.4	352.9
20.0	61.9	353.2
21.0	61.8	353.5
22.0	61.7	353.6
23.0	61.6	353.9
24.0	61.5	354.8
25.0	61.4	354.4
26.0	61.3	354.7

27.0	61.2	355.6
28.0	61.1	355.2
29.0	61.0	356.0
30.0	61.0	356.6
31.0	61.4	357.3
32.0	61.7	357.9
33.0	62.1	358.5
34.0	62.5	359.4
35.0	62.8	359.9
36.0	63.2	360.5
37.0	63.5	361.3
38.0	63.8	361.7
39.0	64.1	362.5
40.0	64.4	362.1
41.0	65.0	361.5
42.0	65.7	362.1
43.0	66.4	363.3
44.0	67.0	363.7
45.0	67.5	363.9
46.0	68.1	364.2
47.0	68.7	365.0
48.0	69.3	365.5
49.0	69.8	365.4
50.0	70.3	365.4
51.0	71.1	366.7
52.0	71.8	367.7
53.0	72.7	369.4
54.0	73.4	371.2
55.0	74.1	372.2
56.0	74.8	373.4
57.0	75.5	374.5
58.0	76.1	374.5
59.0	76.6	374.4
60.0	77.1	374.3
61.0	77.6	374.6
62.0	78.2	376.0
63.0	78.8	377.9
64.0	79.3	378.8
65.0	79.7	378.4
66.0	80.1	377.1
67.0	80.4	376.5
68.0	80.7	375.4
69.0	81.0	374.3
70.0	81.4	374.1
71.0	81.6	374.2
72.0	81.9	374.7
73.0	82.1	375.2
74.0	82.5	376.5
75.0	82.8	377.8
76.0	83.0	377.8
77.0	83.2	377.7
78.0	83.4	378.0
79.0	83.6	377.8

80.0	83.8	377.4
81.0	83.8	377.0
82.0	83.8	376.9
83.0	83.8	376.4
84.0	83.9	376.2
85.0	83.9	376.5
86.0	84.0	376.6
87.0	84.1	377.3
88.0	84.1	378.0
89.0	84.2	378.9
90.0	84.3	379.3
91.0	84.2	379.3
92.0	84.0	378.7
93.0	83.8	378.3
94.0	83.6	377.4
95.0	83.4	376.2
96.0	83.3	376.2
97.0	83.1	375.6
98.0	82.9	374.7
99.0	82.6	373.0
100.0	82.3	371.2
101.0	81.9	369.8
102.0	81.5	368.6
103.0	81.2	367.9
104.0	80.8	367.9
105.0	80.5	367.7
106.0	80.2	367.7
107.0	79.8	367.7
108.0	79.5	367.2
109.0	78.9	365.2
110.0	78.6	365.2
111.0	78.2	366.3
112.0	77.8	367.3
113.0	77.5	369.2
114.0	77.2	371.8
115.0	76.8	373.9
116.0	76.3	373.4
117.0	75.5	371.0
118.0	74.7	368.4
119.0	73.8	364.7
120.0	73.1	364.4
121.0	72.6	363.9
122.0	72.0	363.3
123.0	71.3	360.8
124.0	70.7	360.3
125.0	70.1	360.6
126.0	69.5	360.6
127.0	68.8	360.0
128.0	68.3	361.6
129.0	67.6	362.1
130.0	66.9	361.8
131.0	66.5	362.1
132.0	66.1	362.9

133.0	65.7	363.2
134.0	65.3	362.9
135.0	64.8	360.9
136.0	64.3	359.7
137.0	63.8	359.3
138.0	63.4	360.6
139.0	62.9	361.9
140.0	62.4	362.7
141.0	62.3	361.9
142.0	62.0	359.9
143.0	61.9	359.1
144.0	61.8	360.9
145.0	61.8	362.6
146.0	61.6	360.8
147.0	61.4	359.4
148.0	61.1	357.1
149.0	60.9	354.9
150.0	60.8	355.5
151.0	61.0	353.2
152.0	61.3	352.6
153.0	61.7	353.1
154.0	62.0	354.0
155.0	62.3	353.0
156.0	62.5	352.1
157.0	62.8	351.6
158.0	63.1	352.2
159.0	63.3	350.8
160.0	63.5	349.3
161.0	64.0	347.7
162.0	64.5	345.6
163.0	65.0	344.0
164.0	65.5	341.9
165.0	65.9	340.0
166.0	66.3	339.0
167.0	66.8	337.8
168.0	67.2	336.7
169.0	67.5	335.0
170.0	67.7	331.5
171.0	68.3	330.1
172.0	68.8	328.1
173.0	69.1	324.1
174.0	69.5	321.8
175.0	70.1	322.7
176.0	70.7	324.5
177.0	71.2	324.6
178.0	71.7	324.1
179.0	72.1	323.8
180.0	72.6	324.5
181.0	73.1	325.0
182.0	73.7	326.0
183.0	74.2	326.9
184.0	74.8	328.7
185.0	75.3	330.1

186.0	75.7	330.2
187.0	75.9	328.2
188.0	76.2	326.8
189.0	76.5	326.0
190.0	76.9	326.1
191.0	76.9	324.5
192.0	77.0	323.3
193.0	77.2	322.7
194.0	77.5	323.1
195.0	77.6	322.6
196.0	77.9	323.2
197.0	78.0	322.0
198.0	78.2	321.9
199.0	78.4	322.0
200.0	78.6	321.8
201.0	78.7	322.7
202.0	79.1	325.8
203.0	79.3	327.5
204.0	79.4	328.1
205.0	79.5	328.7
206.0	79.6	329.3
207.0	79.7	330.6
208.0	80.0	332.5
209.0	80.2	334.6
210.0	80.5	336.7
211.0	80.6	339.4
212.0	80.8	342.7
213.0	80.8	343.9
214.0	80.5	342.5
215.0	80.2	341.2
216.0	79.9	339.7
217.0	79.7	339.1
218.0	79.5	338.3
219.0	79.2	337.0
220.0	79.0	335.9
221.0	78.5	334.4
222.0	78.1	333.4
223.0	77.7	332.4
224.0	77.2	330.5
225.0	76.7	329.2
226.0	76.3	328.2
227.0	75.9	327.7
228.0	75.5	328.1
229.0	75.2	328.7
230.0	75.0	329.8
231.0	74.6	330.9
232.0	74.3	331.8
233.0	73.8	332.3
234.0	73.4	333.0
235.0	73.0	333.5
236.0	72.5	333.6
237.0	71.9	332.9
238.0	71.2	331.7

239.0	70.6	330.8
240.0	69.9	330.0
241.0	69.4	329.2
242.0	68.9	329.0
243.0	68.4	328.9
244.0	67.9	329.0
245.0	67.4	329.4
246.0	66.9	330.0
247.0	66.4	330.9
248.0	65.8	331.8
249.0	65.3	333.1
250.0	64.6	333.9
251.0	64.3	334.0
252.0	63.9	333.5
253.0	63.5	332.7
254.0	63.0	331.8
255.0	62.6	331.4
256.0	62.1	331.5
257.0	61.7	332.5
258.0	61.2	332.5
259.0	60.7	331.5
260.0	60.1	330.5
261.0	59.9	329.3
262.0	59.7	328.4
263.0	59.6	328.5
264.0	59.5	328.8
265.0	59.4	329.3
266.0	59.4	331.5
267.0	59.4	333.5
268.0	59.3	335.3
269.0	59.2	335.7
270.0	59.1	336.4
271.0	59.5	338.2
272.0	59.9	338.9
273.0	60.2	338.9
274.0	60.5	338.3
275.0	60.6	335.8
276.0	60.9	334.1
277.0	61.1	333.4
278.0	61.3	333.0
279.0	61.6	333.4
280.0	61.9	334.0
281.0	62.5	333.0
282.0	63.1	331.5
283.0	63.5	328.8
284.0	63.9	326.8
285.0	64.4	326.9
286.0	65.0	327.6
287.0	65.5	327.9
288.0	65.9	327.2
289.0	66.2	325.8
290.0	66.5	323.8
291.0	67.1	322.7

292.0	67.7	321.8
293.0	68.2	321.1
294.0	68.8	321.1
295.0	69.3	321.0
296.0	69.9	320.9
297.0	70.4	320.9
298.0	70.8	321.0
299.0	71.3	320.2
300.0	71.7	319.9
301.0	72.2	320.2
302.0	72.7	321.4
303.0	73.3	322.6
304.0	73.7	322.4
305.0	74.0	321.6
306.0	74.6	322.8
307.0	75.0	323.5
308.0	75.4	323.2
309.0	75.8	323.1
310.0	76.0	322.0
311.0	76.1	320.7
312.0	76.3	319.9
313.0	76.5	319.9
314.0	76.7	319.0
315.0	76.8	318.2
316.0	77.0	317.3
317.0	77.1	316.6
318.0	77.3	315.6
319.0	77.4	315.2
320.0	77.6	314.3
321.0	77.6	313.8
322.0	77.6	313.2
323.0	77.6	313.4
324.0	77.7	313.3
325.0	77.7	313.6
326.0	77.9	315.0
327.0	78.3	318.0
328.0	78.5	319.6
329.0	78.8	322.2
330.0	79.0	323.7
331.0	79.0	324.8
332.0	79.0	325.9
333.0	79.2	328.7
334.0	79.4	331.7
335.0	79.4	333.5
336.0	79.4	334.5
337.0	79.4	335.5
338.0	79.4	336.8
339.0	79.2	337.0
340.0	79.2	337.8
341.0	79.0	338.7
342.0	78.6	338.2
343.0	78.4	339.4
344.0	78.3	340.7

345.0	78.0	341.8
346.0	77.8	342.6
347.0	77.5	343.0
348.0	77.2	343.3
349.0	77.0	345.0
350.0	76.7	345.9
351.0	76.3	346.0
352.0	75.9	346.9
353.0	75.5	347.6
354.0	75.0	347.1
355.0	74.4	346.7
356.0	73.9	346.3
357.0	73.3	345.9
358.0	72.7	346.1
359.0	72.2	347.0

Average HAAT for radials shown: 345.4 m