

DAYTIME CONTOUR INFORMATION
KCKY, APACHE JUNCTION, ARIZONA
1150 kHz – 0.185 kW N/5 kW D – DA-1

*Exhibit 14 - Form 301, Section III-A AM Engineering
Technical Specifications*

Engineering Exhibit of KCKY, Apache Junction, Arizona

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE DAYTIME OPERATION OF
KCKY, APACHE JUNCTION, ARIZONA
December 2004
 (Page 1 of 2)

Latitude: 33-00-27 N
 Longitude: 111-32-57 W

Conductivity Database Used: US M3

Ground Conductivity Data:
 Region conductivity in mS/m followed by distance in km
 Azimuth to the end of region. E - map data; M - measurement data.

0.0	15.0E	55.6	8.0E	308.0	15.0E	472.2	30.0E	488.3	8.0E	736.7
5.0	15.0E	54.8	8.0E	263.6	15.0E	509.6	8.0E	590.0	15.0E	745.3
10.0	15.0E	53.6	8.0E	231.9	15.0E	373.0	8.0E	467.1	15.0E	684.6
15.0	15.0E	51.6	8.0E	215.9	15.0E	332.8	8.0E	471.9	15.0E	707.8
20.0	15.0E	49.9	8.0E	208.0	15.0E	302.5	8.0E	465.3	15.0E	542.6
25.0	15.0E	48.7	8.0E	203.5	15.0E	283.1	8.0E	456.6	15.0E	535.5
30.0	15.0E	47.9	8.0E	200.6	15.0E	340.1	8.0E	446.7	15.0E	523.8
35.0	15.0E	46.8	8.0E	199.3	15.0E	321.8	8.0E	435.8	15.0E	523.3
40.0	15.0E	46.1	8.0E	203.1	15.0E	305.2	8.0E	427.5	15.0E	531.6
45.0	15.0E	45.8	8.0E	191.3	4.0E	224.6	15.0E	294.4	8.0E	433.9
50.0	15.0E	45.8	8.0E	183.0	4.0E	240.9	15.0E	286.6	8.0E	447.7
55.0	15.0E	46.2	8.0E	179.8	4.0E	253.7	15.0E	279.6	4.0E	284.4
60.0	15.0E	46.9	8.0E	178.4	4.0E	290.5	8.0E	417.3	15.0E	594.0
65.0	15.0E	48.0	8.0E	180.6	4.0E	303.3	8.0E	400.9	15.0E	944.7
70.0	15.0E	50.0	8.0E	184.4	4.0E	320.0	8.0E	386.1	15.0E	606.3
75.0	15.0E	52.9	8.0E	191.2	4.0E	298.3	8.0E	375.0	15.0E	575.1
80.0	15.0E	56.5	8.0E	200.5	4.0E	289.3	8.0E	370.4	4.0E	422.6
85.0	15.0E	61.1	8.0E	212.3	4.0E	626.0	8.0E	643.5	15.0E	984.2
90.0	15.0E	67.1	8.0E	225.9	4.0E	602.8	8.0E	754.4	15.0E	1037.4
95.0	15.0E	75.1	8.0E	246.4	4.0E	270.7	8.0E	316.8	4.0E	563.2
100.0	15.0E	84.8	8.0E	306.2	4.0E	530.3	8.0E	1300.0		
105.0	15.0E	96.4	8.0E	301.3	4.0E	493.9	8.0E	499.0	4.0E	506.1
110.0	15.0E	108.6	8.0E	301.9	4.0E	606.4	8.0E	940.7	3.0E	1123.1
115.0	15.0E	122.5	8.0E	315.8	4.0E	672.2	1.5E	726.5	8.0E	923.3
120.0	15.0E	136.5	8.0E	362.9	4.0E	715.1	1.5E	1155.9	3.0E	1300.0
125.0	15.0E	152.7	8.0E	318.1	4.0E	885.6	1.5E	1300.0		
130.0	15.0E	164.8	8.0E	285.0	4.0E	320.8	2.0E	335.0	4.0E	1244.6
135.0	15.0E	163.7	8.0E	260.0	4.0E	330.2	2.0E	371.5	4.0E	1300.0
140.0	15.0E	156.1	8.0E	240.6	4.0E	339.2	2.0E	471.7	4.0E	1300.0
145.0	15.0E	150.5	8.0E	225.6	4.0E	351.0	2.0E	1300.0		
150.0	15.0E	146.3	8.0E	213.8	4.0E	374.7	2.0E	915.5	4.0E	1261.7
155.0	15.0E	143.4	8.0E	204.7	4.0E	1108.9	5000.0E	1300.0		
160.0	15.0E	141.7	8.0E	197.8	4.0E	916.1	5000.0E	1300.0		
165.0	15.0E	140.9	8.0E	192.8	4.0E	724.7	5000.0E	1300.0		
170.0	15.0E	141.0	8.0E	184.4	4.0E	580.7	5000.0E	581.4	4.0E	648.4
175.0	15.0E	142.3	8.0E	176.0	4.0E	563.2	5000.0E	888.1	3.0E	1030.1
180.0	15.0E	144.6	8.0E	169.5	4.0E	511.3	5000.0E	716.4	3.0E	950.1
185.0	15.0E	148.2	8.0E	164.7	4.0E	469.8	5000.0E	654.0	3.0E	780.5
190.0	15.0E	154.1	8.0E	161.4	4.0E	418.6	5000.0E	598.1	3.0E	742.9

Engineering Exhibit of KCKY, Apache Junction, Arizona

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FOR THE DAYTIME OPERATION OF
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December 2004
 (Page 2 of 2)

Latitude: 33-00-27 N
 Longitude: 111-32-57 W

Conductivity Database Used: US M3

Ground Conductivity Data:
 Region conductivity in mS/m followed by distance in km

Azimuth to the end of region. E - map data; M - measurement data.

195.0	15.0E	159.4	4.0E	382.3	5000.0E	521.5	3.0E	714.2	5000.0E	1300.0
200.0	15.0E	158.7	4.0E	334.8	5000.0E	491.7	3.0E	710.4	5000.0E	1300.0
205.0	15.0E	159.1	4.0E	311.1	5000.0E	474.5	3.0E	586.8	5000.0E	603.2
210.0	15.0E	160.8	4.0E	296.8	5000.0E	449.7	3.0E	543.2	5000.0E	658.5
215.0	15.0E	163.8	4.0E	247.8	5000.0E	441.3	3.0E	523.3	5000.0E	1300.0
220.0	15.0E	168.3	4.0E	251.3	5000.0E	439.5	3.0E	518.8	5000.0E	1300.0
225.0	15.0E	173.8	8.0E	174.3	4.0E	266.4	5000.0E	419.6	3.0E	528.1
230.0	15.0E	164.6	8.0E	182.0	4.0E	259.5	5000.0E	393.4	3.0E	524.2
235.0	15.0E	157.4	8.0E	191.9	4.0E	268.6	5000.0E	284.8	4.0E	287.0
240.0	15.0E	153.4	8.0E	204.6	4.0E	304.9	5000.0E	363.3	3.0E	493.4
245.0	15.0E	150.8	8.0E	220.9	4.0E	322.7	5000.0E	337.2	3.0E	500.2
250.0	15.0E	149.3	8.0E	242.1	4.0E	341.9	5000.0E	342.1	3.0E	497.6
255.0	15.0E	149.3	8.0E	270.0	4.0E	332.1	3.0E	498.0	5000.0E	501.8
260.0	15.0E	151.7	8.0E	307.7	4.0E	315.5	3.0E	510.4	5000.0E	1300.0
265.0	15.0E	155.3	8.0E	203.4	15.0E	330.9	3.0E	522.3	5000.0E	1300.0
270.0	15.0E	406.5	4.0E	478.6	8.0E	511.8	15.0E	531.2	5000.0E	1300.0
275.0	15.0E	426.0	4.0E	493.5	8.0E	535.2	15.0E	552.1	5000.0E	1300.0
280.0	15.0E	436.8	2.0E	459.3	4.0E	519.6	8.0E	582.6	15.0E	640.4
285.0	15.0E	395.3	8.0E	417.4	2.0E	482.5	4.0E	646.3	8.0E	697.6
290.0	15.0E	338.9	8.0E	675.8	4.0E	709.1	8.0E	799.1	4.0E	825.1
295.0	15.0E	309.7	8.0E	643.7	4.0E	709.8	8.0E	762.8	15.0E	801.1
300.0	15.0E	330.3	8.0E	605.6	4.0E	715.1	2.0E	775.5	15.0E	819.1
305.0	15.0E	357.5	8.0E	566.5	4.0E	705.6	2.0E	837.3	8.0E	940.1
310.0	15.0E	400.8	8.0E	572.3	4.0E	849.6	2.0E	1003.1	8.0E	1090.2
315.0	15.0E	454.8	8.0E	609.1	4.0E	947.2	8.0E	1164.4	4.0E	1216.7
320.0	15.0E	125.6	8.0E	280.5	15.0E	523.0	8.0E	581.9	4.0E	1059.1
325.0	15.0E	57.4	8.0E	83.9	15.0E	107.1	8.0E	336.2	15.0E	563.4
330.0	15.0E	54.6	8.0E	388.9	15.0E	571.1	4.0E	1033.4	8.0E	1154.3
335.0	15.0E	54.6	8.0E	428.2	15.0E	595.0	4.0E	1300.0		
340.0	15.0E	55.0	8.0E	472.0	15.0E	698.3	4.0E	1256.5	8.0E	1300.4
345.0	15.0E	55.6	8.0E	456.5	30.0E	547.4	15.0E	781.0	4.0E	914.2
350.0	15.0E	55.2	8.0E	457.6	30.0E	568.4	15.0E	822.4	8.0E	1228.5
355.0	15.0E	55.2	8.0E	362.5	15.0E	415.8	8.0E	467.4	30.0E	534.3

Engineering Exhibit of KCKY, Apache Junction, Arizona

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE DAYTIME OPERATION OF
KCKY, APACHE JUNCTION, ARIZONA

December 2004

(Page 1 of 2)

APACHE JUNCTION, AZ

Call: KCKY

Coordinates: N 33 00 27 W 111 32 57

Frequency: 1150 kHz Number of contours: 1

Distances to Contours in Kilometers:

Contour level 5 mV/m.

Azimuth (deg)	Distance (km)
-----	-----
0.0	54.07
5.0	53.97
10.0	53.71
15.0	52.77
20.0	51.78
25.0	50.72
30.0	49.51
35.0	47.9
40.0	46.05
45.0	43.07
50.0	39.71
55.0	36.49
60.0	34.55
65.0	35.08
70.0	37.89
75.0	41.66
80.0	45.34
85.0	48.49
90.0	50.93
95.0	52.67
100.0	53.7
105.0	54.1
110.0	53.95
115.0	53.32
120.0	52.31
125.0	51.02
130.0	49.56
135.0	48.03
140.0	46.55
145.0	45.21
150.0	44.07
155.0	43.21
160.0	42.66
165.0	42.43
170.0	42.53
175.0	42.95
180.0	43.69

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December 2004

(Page 2 of 2)

APACHE JUNCTION, AZ

Call: KCKY

Coordinates: N 33 00 27 W 111 32 57

Frequency: 1150 kHz Number of contours: 1

Distances to Contours in Kilometers:

Contour level 5 mV/m.

Azimuth (deg)	Distance (km)
-----	-----
185.0	44.72
190.0	46.0
195.0	47.43
200.0	48.96
205.0	50.45
210.0	51.82
215.0	52.96
220.0	53.75
225.0	54.1
230.0	53.93
235.0	53.16
240.0	51.71
245.0	49.56
250.0	46.68
255.0	43.17
260.0	39.36
265.0	36.0
270.0	34.44
275.0	35.48
280.0	38.35
285.0	41.76
290.0	44.92
295.0	47.57
300.0	49.67
305.0	51.24
310.0	52.38
315.0	53.15
320.0	53.63
325.0	53.9
330.0	54.04
335.0	54.1
340.0	54.11
345.0	54.11
350.0	54.11
355.0	54.11