

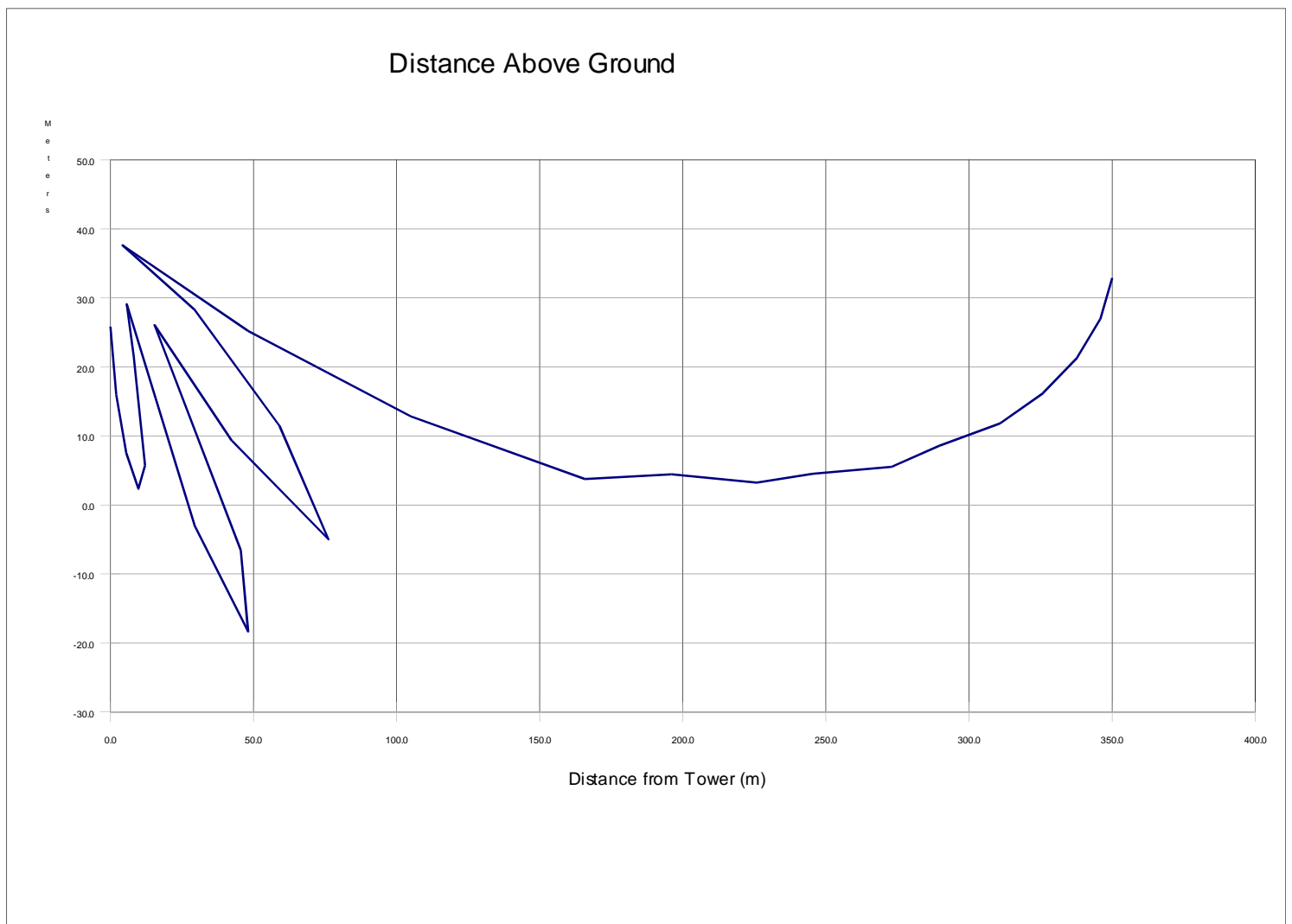
## Exhibit 13 Figure 3

### Distance of Interfering Contour Above Ground

K278AU - College Station, TX Texas

Aleluya Christian Broadcasting Inc.

December 2009



Circular Polarized Antenna, 4 Bays, 1 Wavelength spacing between Bays

## Exhibit 13 Figure 3

### Distance of Interfering Contour Above Ground

K278AU - College Station, TX Texas

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December 2009

### Distance above Ground Level of Interfering Contour

Depression Angle (Degrees)	Slant Distance to 100 dbu	Horiz Distance to 100 dbu	Relative Field	ERP Watts	100 dbu Above Gnd (meters)
1	350.06	350.0	1.000	250.000	32.9
2	346.06	345.8	0.989	244.309	26.9
3	338.18	337.7	0.966	233.314	21.3
4	326.70	325.9	0.933	217.741	16.2
5	311.99	310.8	0.891	198.582	11.8
6	291.17	289.6	0.832	172.958	8.6
7	274.88	272.8	0.785	154.149	5.5
8	247.83	245.4	0.708	125.297	4.5
9	228.64	225.8	0.653	106.645	3.2
10	199.13	196.1	0.569	80.898	4.4
12	169.49	165.8	0.484	58.606	3.8
14	108.18	105.0	0.309	23.875	12.8
16	50.02	48.1	0.143	5.104	25.2
18	4.46	4.2	0.013	0.041	37.6
20	31.20	29.3	0.089	1.986	28.3
25	65.18	59.1	0.186	8.668	11.5
30	87.93	76.2	0.251	15.774	-5.0
35	51.78	42.4	0.148	5.469	9.3
40	20.14	15.4	0.058	0.828	26.1
45	64.44	45.6	0.184	8.471	-6.6
50	74.84	48.1	0.214	11.427	-18.3
55	51.19	29.4	0.146	5.345	-2.9
60	11.46	5.7	0.033	0.268	29.1
65	19.24	8.1	0.055	0.755	21.6
70	35.41	12.1	0.101	2.558	5.7
75	37.94	9.8	0.108	2.937	2.3
80	31.93	5.5	0.091	2.079	7.6
85	23.13	2.0	0.066	1.091	16.0
90	13.16	0.0	0.038	0.353	25.8