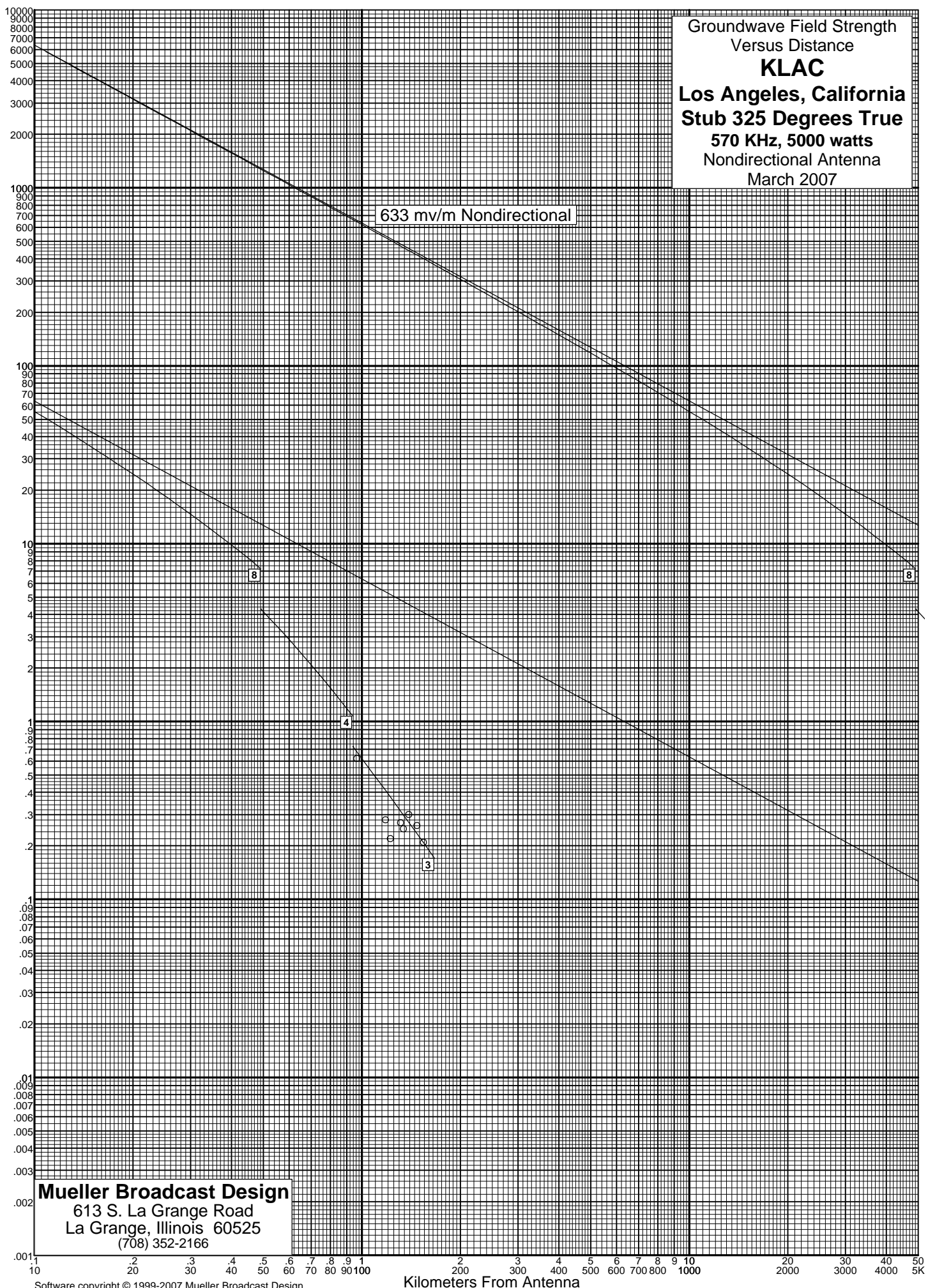






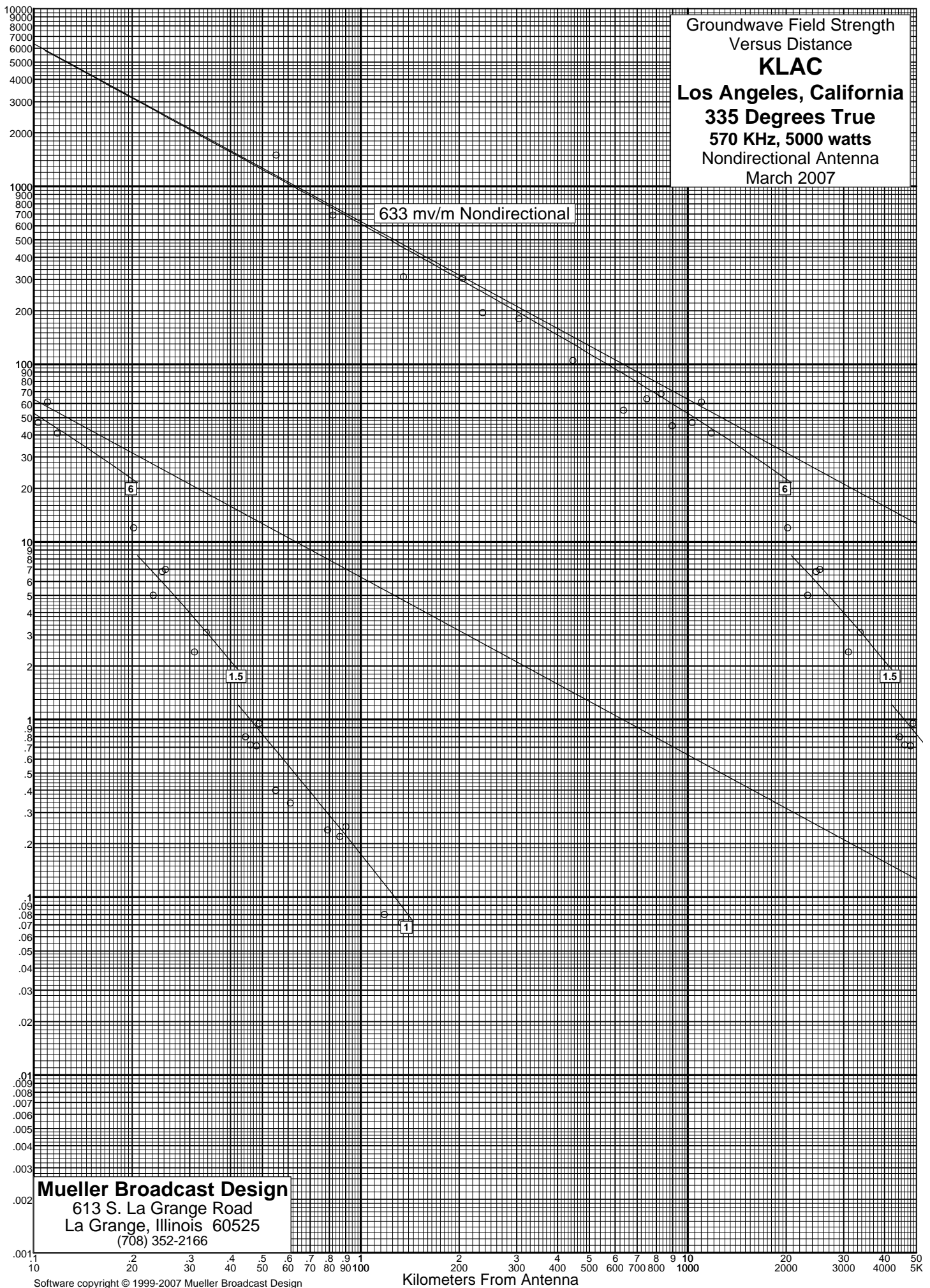


Groundwave Field Strength  
Versus Distance  
**KLAC**  
Los Angeles, California  
Stub 325 Degrees True  
570 KHz, 5000 watts  
Nondirectional Antenna  
March 2007



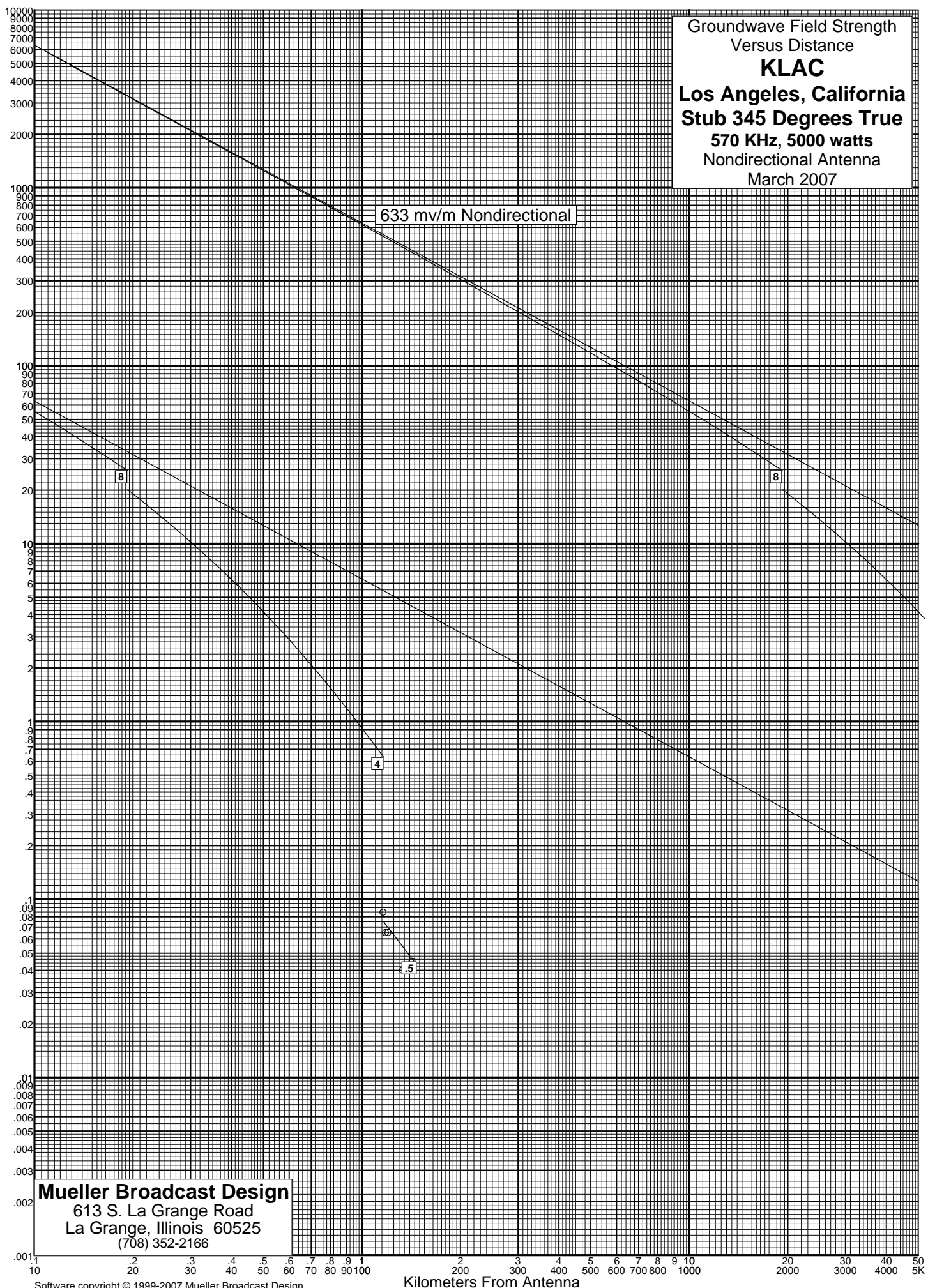
**Mueller Broadcast Design**  
613 S. La Grange Road  
La Grange, Illinois 60525  
(708) 352-2166

Groundwave Field Strength  
Versus Distance  
**KLAC**  
Los Angeles, California  
335 Degrees True  
570 KHz, 5000 watts  
Nondirectional Antenna  
March 2007



**Mueller Broadcast Design**  
613 S. La Grange Road  
La Grange, Illinois 60525  
(708) 352-2166

Groundwave Field Strength  
Versus Distance  
**KLAC**  
Los Angeles, California  
Stub 345 Degrees True  
570 KHz, 5000 watts  
Nondirectional Antenna  
March 2007

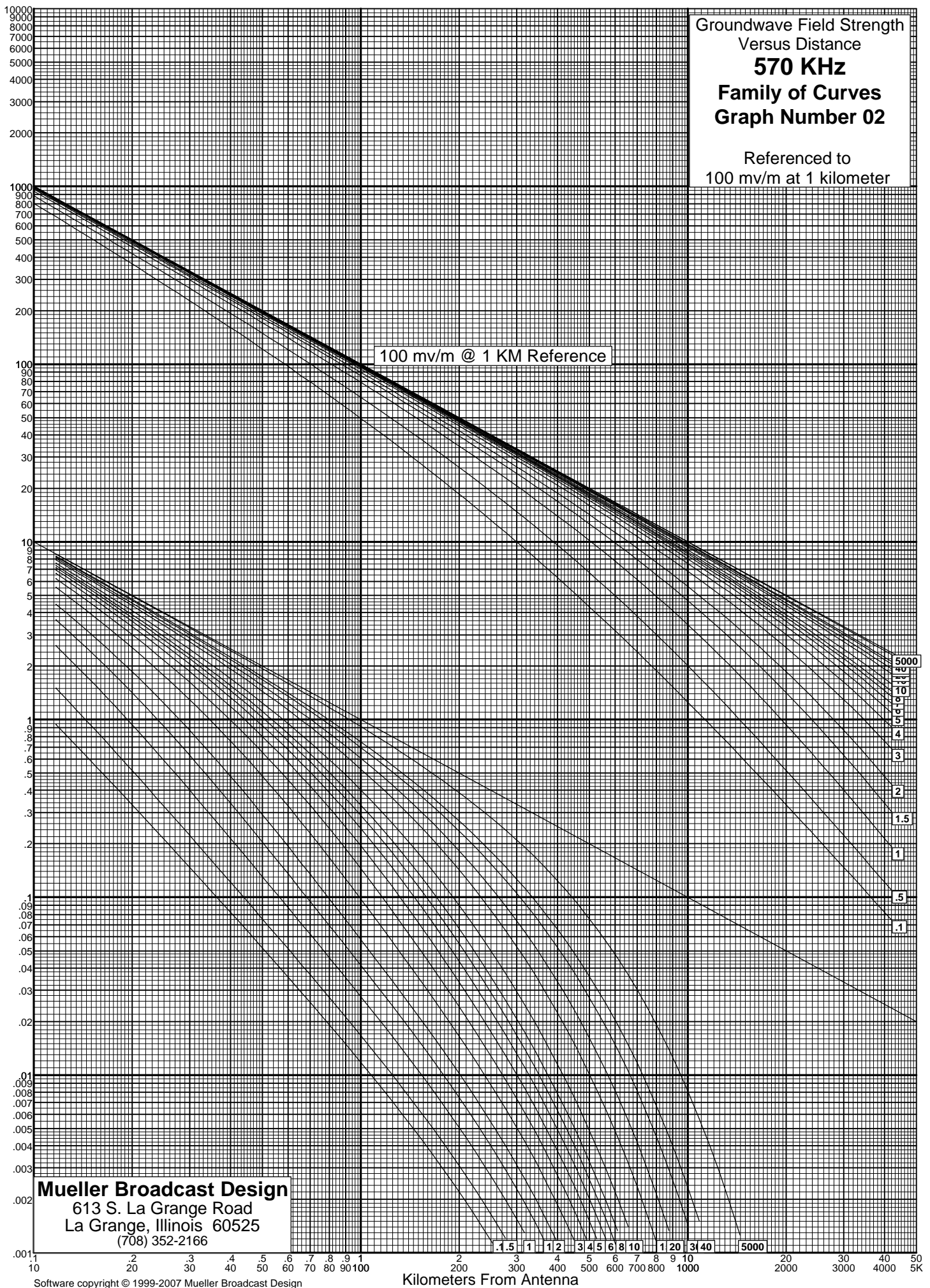


**Mueller Broadcast Design**  
613 S. La Grange Road  
La Grange, Illinois 60525  
(708) 352-2166

Groundwave Field Strength  
Versus Distance  
**570 KHz**  
**Family of Curves**  
**Graph Number 02**

Referenced to  
100 mv/m at 1 kilometer

100 mv/m @ 1 KM Reference



**Mueller Broadcast Design**  
613 S. La Grange Road  
La Grange, Illinois 60525  
(708) 352-2166

KLAC 570 KHz GROUND CONDUCTIVITY

Latitude: 34-04-11.2 N

Longitude: 118-11-36.0 W

Radius : 300 KM

\* Includes measured conductivity data

Measured Radials:

325 deg stub: 4 mS/m from 96.4 km to 133 km, 3 mS/m from 133 km to 154 km

335 deg: 6 mS/m to 20 km, 1.5 mS/m to 40 km, 1.0 mS/m to 133 km

345 deg stub: 0.5 mS/m from 111 km to 142 km

0 deg:	16.33,	8.0	61.73,	4.0	123.81,	8.0	224.79,	4.0
	299.84,	2.0	(format is end distance, conductivity)					
5 deg:	16.42,	8.0	59.21,	4.0	131.73,	8.0	300.09,	4.0
10 deg:	16.65,	8.0	57.98,	4.0	143.65,	8.0	299.93,	4.0
15 deg:	15.02,	8.0	58.06,	4.0	157.11,	8.0	300.15,	4.0
20 deg:	15.24,	8.0	56.77,	4.0	172.38,	8.0	300.07,	4.0
25 deg:	14.94,	8.0	56.80,	4.0	192.32,	8.0	300.11,	4.0
30 deg:	15.65,	8.0	57.27,	4.0	215.38,	8.0	299.70,	4.0
35 deg:	16.47,	8.0	58.15,	4.0	242.79,	8.0	243.98,	4.0
	245.17,	8.0	275.23,	4.0	300.08,	8.0		
40 deg:	16.18,	8.0	61.13,	4.0	299.66,	8.0		
45 deg:	17.71,	8.0	65.10,	4.0	300.42,	8.0		
50 deg:	17.63,	8.0	68.37,	4.0	300.06,	8.0		
55 deg:	19.51,	8.0	73.93,	4.0	300.27,	8.0		
60 deg:	21.46,	8.0	80.70,	4.0	300.02,	8.0		
65 deg:	21.29,	8.0	91.40,	4.0	300.15,	8.0		
70 deg:	24.51,	8.0	103.49,	4.0	299.80,	8.0		
75 deg:	29.64,	8.0	121.45,	4.0	299.63,	8.0		
80 deg:	34.46,	8.0	150.88,	4.0	300.23,	8.0		
85 deg:	44.79,	8.0	154.83,	4.0	167.06,	2.0	299.85,	8.0
90 deg:	60.79,	8.0	147.52,	4.0	186.68,	2.0	300.34,	8.0
95 deg:	70.26,	8.0	70.35,	4.0	71.88,	8.0	140.56,	4.0
	213.98,	2.0	232.64,	8.0	300.01,	15.0		
100 deg:	82.04,	8.0	142.30,	4.0	203.55,	2.0	300.40,	15.0
105 deg:	91.84,	8.0	164.58,	4.0	191.83,	2.0	299.81,	15.0
110 deg:	103.34,	8.0	190.99,	4.0	299.99,	15.0		
115 deg:	118.37,	8.0	213.79,	4.0	299.94,	15.0		
120 deg:	132.38,	8.0	244.36,	4.0	299.86,	15.0		
125 deg:	153.13,	8.0	153.67,	4.0	154.30,	8.0	274.86,	4.0
	300.00,	20.0						
130 deg:	44.71,	8.0	45.30,	15.0	53.59,	8.0	54.18,	15.0
	55.97,	8.0	56.55,	15.0	58.93,	8.0	61.29,	15.0
	61.89,	8.0	63.66,	15.0	66.04,	8.0	66.63,	15.0
	177.70,	8.0	251.03,	4.0	300.04,	20.0		
135 deg:	14.62,	8.0	15.16,	15.0	17.02,	8.0	20.50,	15.0
	21.16,	8.0	112.83,	15.0	113.49,	8.0	114.03,	15.0
	207.34,	8.0	234.34,	4.0	299.86,	20.0		
140 deg:	8.79,	8.0	9.29,	15.0	12.40,	8.0	162.01,	15.0
	162.72,	8.0	163.22,	15.0	220.34,	8.0	300.13,	5.0
145 deg:	7.13,	8.0	82.72,	15.0	150.49,	5000.0	210.71,	15.0
	299.45,	5.0						
150 deg:	5.55,	8.0	5.93,	15.0	6.73,	8.0	61.12,	15.0
	61.50,	5000.0	62.31,	15.0	208.36,	5000.0	209.17,	5.0
	209.55,	5000.0	299.74,	5.0				
155 deg:	5.55,	8.0	53.47,	15.0	299.88,	5000.0		
160 deg:	5.26,	8.0	45.69,	15.0	299.67,	5000.0		



**Lotus Bakersfield Corporation**

KWAC (AM), 1490 KHz, Bakersfield, California

FCC Form 301 Section III-A #10a Supporting Exhibit 15

May 2007

**Mueller Broadcast Design**

613 S. La Grange Road

La Grange, Illinois 60525

(708) 352-2166

165 deg:	4.16,	8.0	37.67,	15.0	37.87,	5000.0	38.76,	15.0
	300.25,	5000.0						
170 deg:	3.13,	8.0	3.26,	15.0	4.16,	8.0	34.15,	15.0
	300.36,	5000.0						
175 deg:	3.13,	8.0	33.85,	15.0	299.80,	5000.0		
180 deg:	3.13,	8.0	33.70,	15.0	299.61,	5000.0		
185 deg:	3.19,	8.0	34.75,	15.0	299.77,	5000.0		
190 deg:	3.19,	8.0	38.93,	15.0	132.99,	5000.0	140.56,	8.0
	300.31,	5000.0						
195 deg:	3.19,	8.0	39.58,	15.0	125.03,	5000.0	130.80,	8.0
	300.17,	5000.0						
200 deg:	3.42,	8.0	38.96,	15.0	299.57,	5000.0		
205 deg:	3.42,	8.0	39.31,	15.0	300.08,	5000.0		
210 deg:	3.42,	8.0	39.91,	15.0	299.59,	5000.0		
215 deg:	3.79,	8.0	31.27,	15.0	35.19,	5000.0	35.63,	15.0
	299.72,	5000.0						
220 deg:	3.07,	8.0	29.55,	15.0	300.43,	5000.0		
225 deg:	3.07,	8.0	29.22,	15.0	300.19,	5000.0		
230 deg:	2.50,	8.0	27.90,	15.0	300.39,	5000.0		
235 deg:	2.50,	8.0	27.98,	15.0	152.25,	5000.0	156.48,	8.0
	300.37,	5000.0						
240 deg:	2.50,	8.0	27.15,	15.0	299.59,	5000.0		
245 deg:	2.50,	8.0	26.28,	15.0	300.36,	5000.0		
250 deg:	2.50,	8.0	26.96,	15.0	299.70,	5000.0		
255 deg:	2.94,	8.0	28.56,	15.0	300.26,	5000.0		
260 deg:	2.94,	8.0	30.96,	15.0	300.09,	5000.0		
265 deg:	2.94,	8.0	33.00,	15.0	171.13,	5000.0	181.26,	8.0
	299.70,	5000.0						
270 deg:	2.94,	8.0	36.69,	15.0	67.39,	8.0	300.04,	5000.0
275 deg:	4.49,	8.0	23.00,	15.0	28.34,	8.0	29.87,	15.0
	88.36,	8.0	300.31,	5000.0				
280 deg:	4.49,	8.0	11.61,	15.0	97.84,	8.0	299.93,	5000.0
285 deg:	6.92,	8.0	7.90,	15.0	109.85,	8.0	110.82,	5000.0
	112.31,	8.0	155.81,	5000.0	157.29,	8.0	159.74,	5000.0
	161.96,	8.0	163.67,	5000.0	173.76,	8.0	174.72,	5000.0
	232.89,	8.0	300.08,	5000.0				
290 deg:	108.14,	8.0	162.98,	4.0	237.11,	8.0	299.51,	5000.0
295 deg:	91.82,	8.0	186.38,	4.0	246.18,	8.0	299.87,	5000.0
300 deg:	79.31,	8.0	214.43,	4.0	281.16,	8.0	299.75,	5000.0
305 deg:	70.11,	8.0	221.82,	4.0	300.02,	8.0		
310 deg:	62.82,	8.0	208.58,	4.0	299.83,	8.0		
315 deg:	50.00,	8.0	96.40,	4.0	154.00,	3.0*	300.21,	8.0
320 deg:	50.00,	8.0	96.40,	4.0	154.00,	3.0*	299.95,	8.0
325 deg:	20.00,	6.0*	40.00,	1.5*	50.00,	8.0*	96.40,	4.0*
	133.00,	1.0*	154.00,	3.0*	167.45,	8.0	224.87,	15.0
	300.34,	8.0						
330 deg:	20.00,	6.0*	40.00,	1.5*	50.00,	8.0*	96.40,	4.0*
	133.00,	1.0*	154.00,	3.0*	174.18,	8.0	249.92,	15.0
	299.54,	8.0						
335 deg:	20.00,	6.0	20.00,	8.0*	40.00,	1.5*	50.00,	8.0*
	96.40,	4.0*	111.00,	4.0*	133.00,	1.0*	142.00,	0.5*
	154.00,	3.0*	223.10,	8.0	281.72,	15.0	299.98,	8.0
340 deg:	20.00,	6.0*	20.00,	8.0*	40.00,	1.5*	111.00,	4.0*
	133.00,	1.0*	142.00,	0.5*	245.70,	8.0	299.96,	15.0
345 deg:	20.00,	6.0*	20.00,	8.0*	40.00,	1.5*	111.00,	4.0*
	133.00,	1.0*	142.00,	0.5*	166.77,	4.0	168.55,	8.0
	169.65,	4.0	236.76,	8.0	300.27,	2.0		
350 deg:	20.00,	8.0	116.00,	4.0	142.00,	0.5*	219.86,	4.0
	299.88,	2.0						
355 deg:	20.00,	8.0	116.00,	4.0	142.00,	0.5*	221.03,	4.0
	300.07,	2.0						