



WORLD TOWER
COMPANY, INC.

FALL RADIUS FOR GUYED TOWERS

AVERAGE = 24%
MAXIMUM = 48%

P.O. Box 405
3579 State Route 45N
Mayfield, KY 42066
502-247-3642
FAX: 502-247-0909
E-mail: worldtow@ldd.net

LOCATION	TOWER HEIGHT (feet)	MAXIMUM DISTANCE from base to debris (feet)	FALL RADIUS TO HEIGHT (%)
KCRG - TV Cedar Rapids, IA	2000	300	15
KWWL - TV Waterloo, IA	2000	500	25
WNFY - TV Palatka FL	949	300	32
Senior Road Antenna Project Houston TX	2000	300	15
KANU - FM Lawrence KS	605	290	48
KSLA - TV Shreveport LA	1830	125	7
KLDH - TV Topeka KS	1440.5	350	24.3
•	528	225	42.6
•	1406	410	29.2
•	1795	460	25.6
•	1910	300	15.7
•	1334	250	18.7
••	920	599	65.2
•	370	75	20.3

- * Data obtained from Stainless, Inc., North Wales, Pennsylvania; LeBlanc & Royle Communications, Inc., Oakville, Ontario; Utility Tower Company, Oklahoma City, Oklahoma.
- ** Of total data relating to 14 actual collapse radii for guyed towers, only (1) had a fall radius to height over 50% and this was a controlled fall to develop engineering data. (Nine guys on one side were connected to one guy and one anchor, and this single guy wire was then cut, freeing support at all nine levels on one side of the tower.)