Annex 4

Propagation curves in the Land Mobile Service

The interfering field strength is determined at the receiving site by means of the following propagation curves, which have been taken from Recommendation ITU-R P.1546. The curves represent the interfering field strength values for 50 % of the locations and for 50 %, 10 % and 1 % of the time for different propagation paths and for a receiving antenna height h_2 of 10 m.

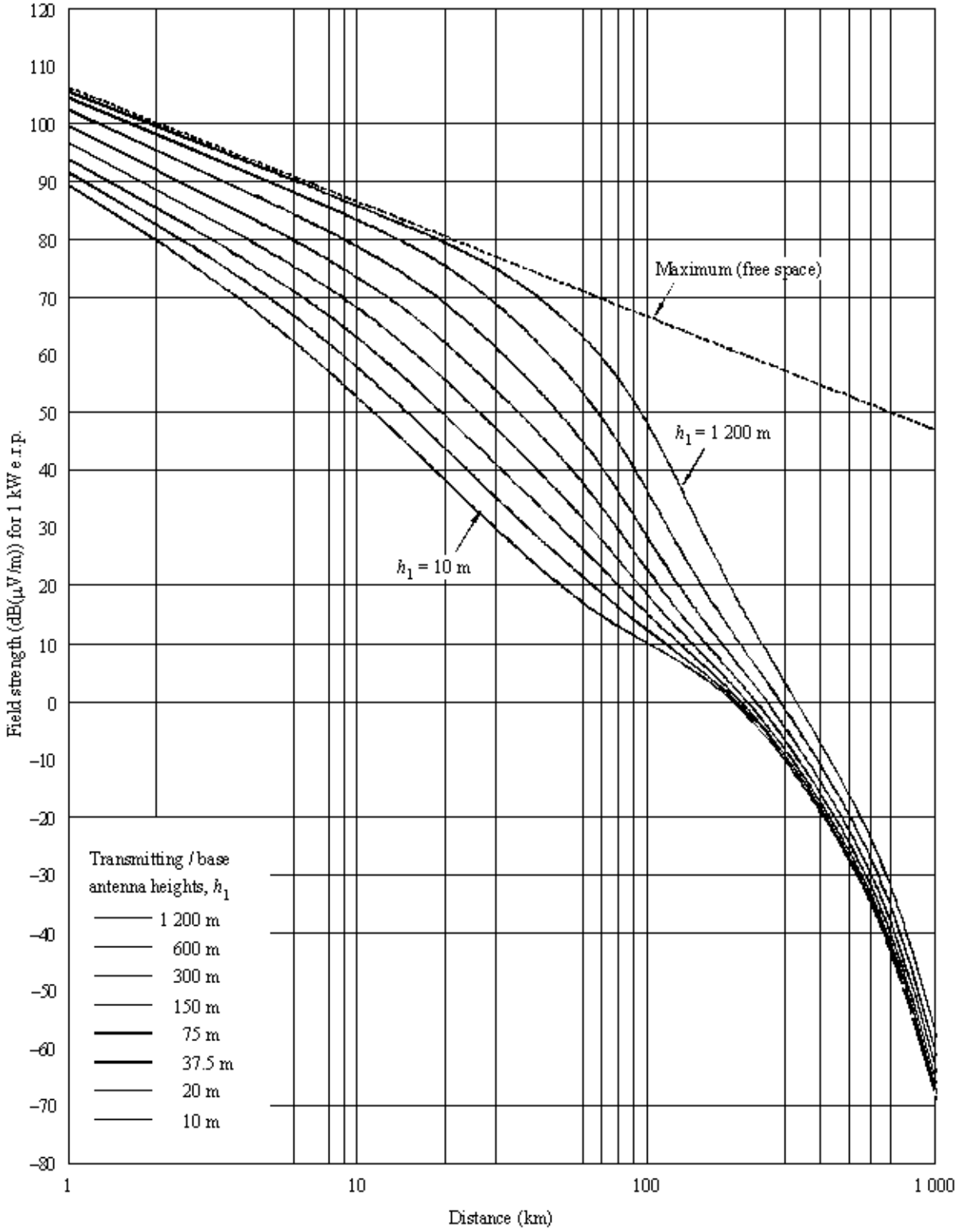
The curves are given for values of h_1 of 10, 20, 37.5, 75, 150, 300, 600 and 1200 m.

The curves for 50 % of time probability shall be used only to establish the relation between measured values and calculations (see Annex 7 of the Agreement).

The propagation curves for the frequency 100 MHz (FIGURES 1 to 8) shall be applied if frequencies between 29.7 and 300 MHz are concerned; the propagation curves for the frequency 600 MHz (FIGURES 9 to 16) shall be applied if frequencies between 300 and 1000 MHz are concerned; and the propagation curves for the frequency 2000 MHz (FIGURES 17 to 24) shall be applied if frequencies between 1000 and 3000 MHz are concerned.

FIGURE 1

100 MHz, land, 50% time

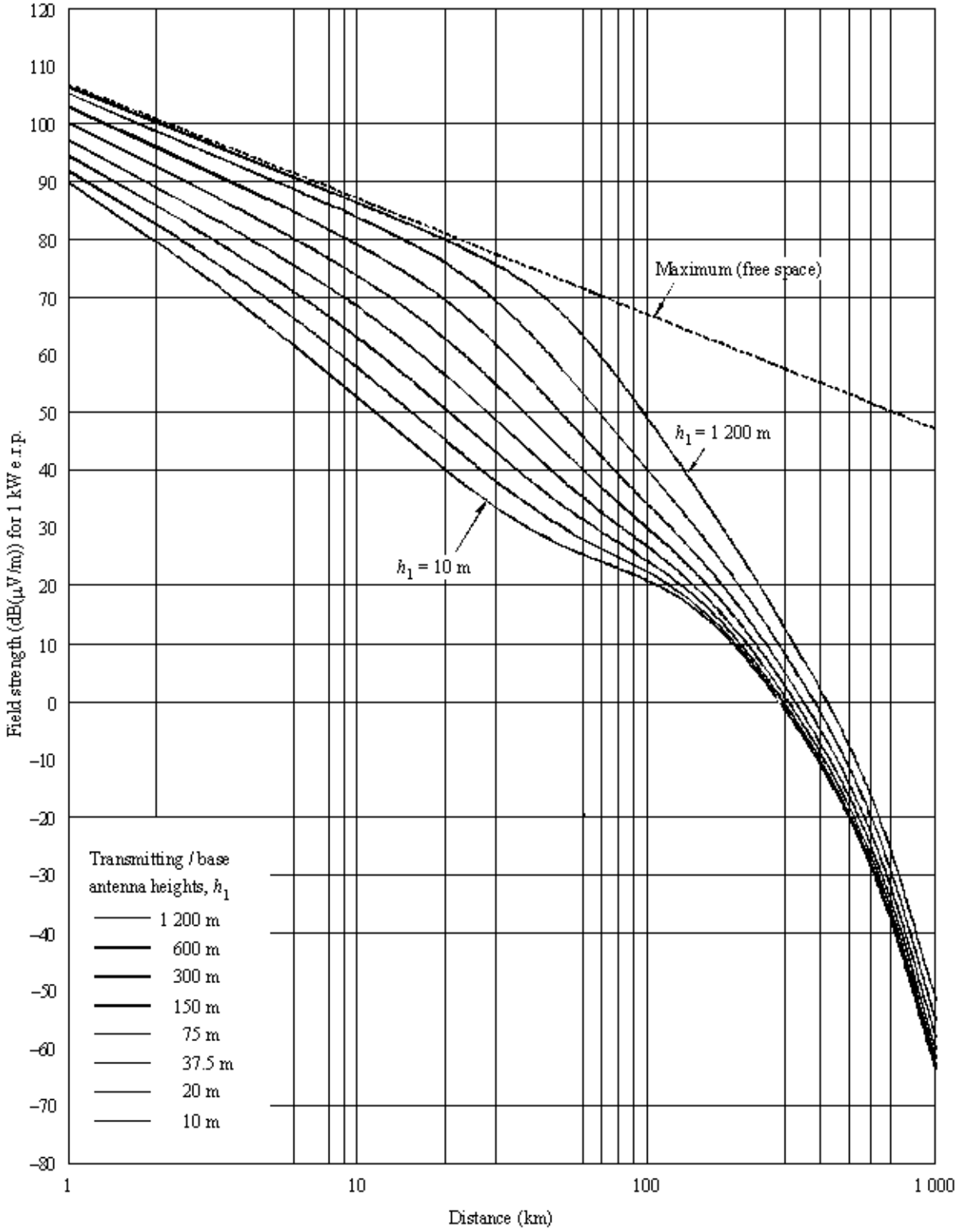


50% of locations

h_2 = 10 m

FIGURE 2

100 MHz, land, 10% time

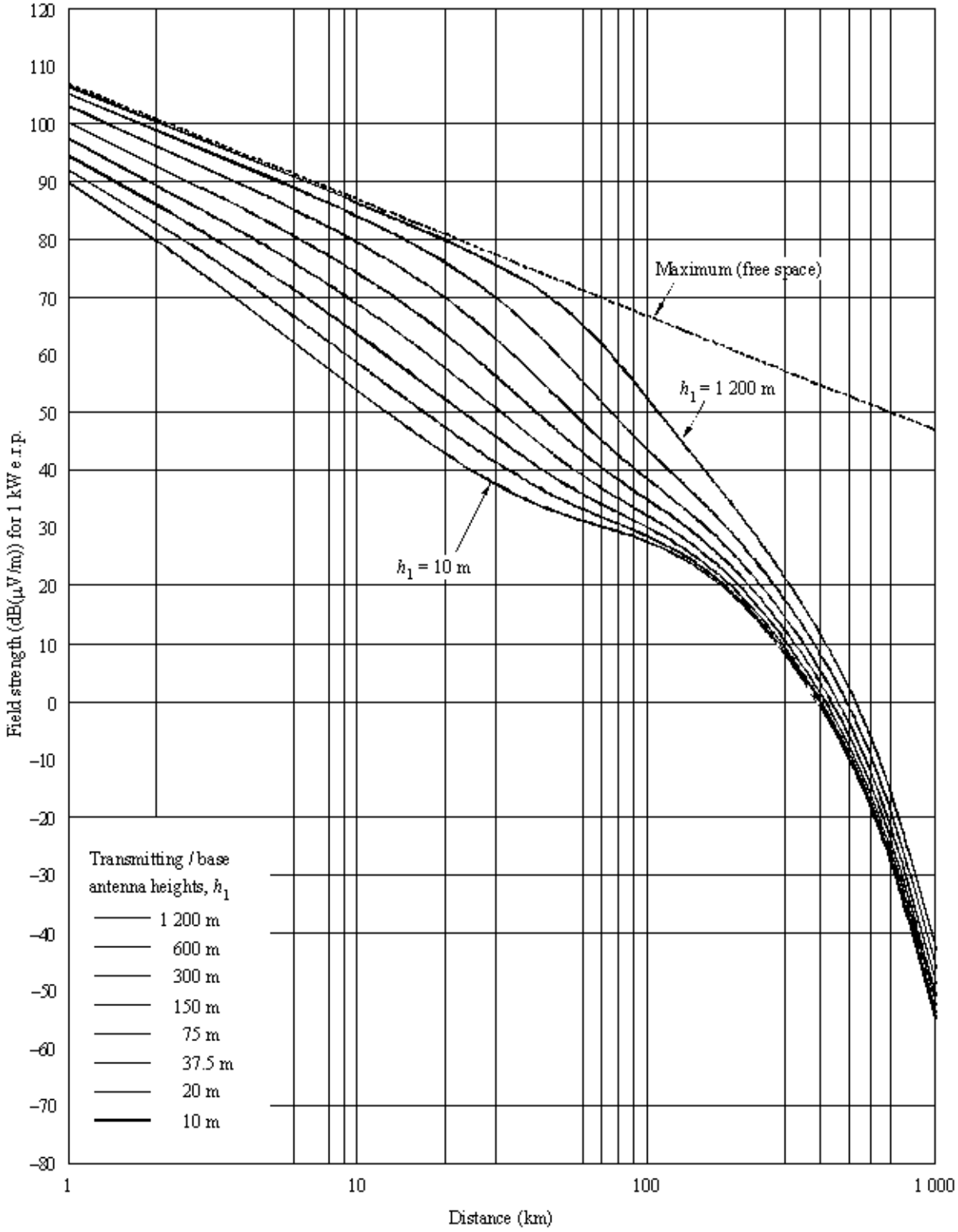


50% of locations

h_2 = 10 m

FIGURE 3

100 MHz, land, 1% time

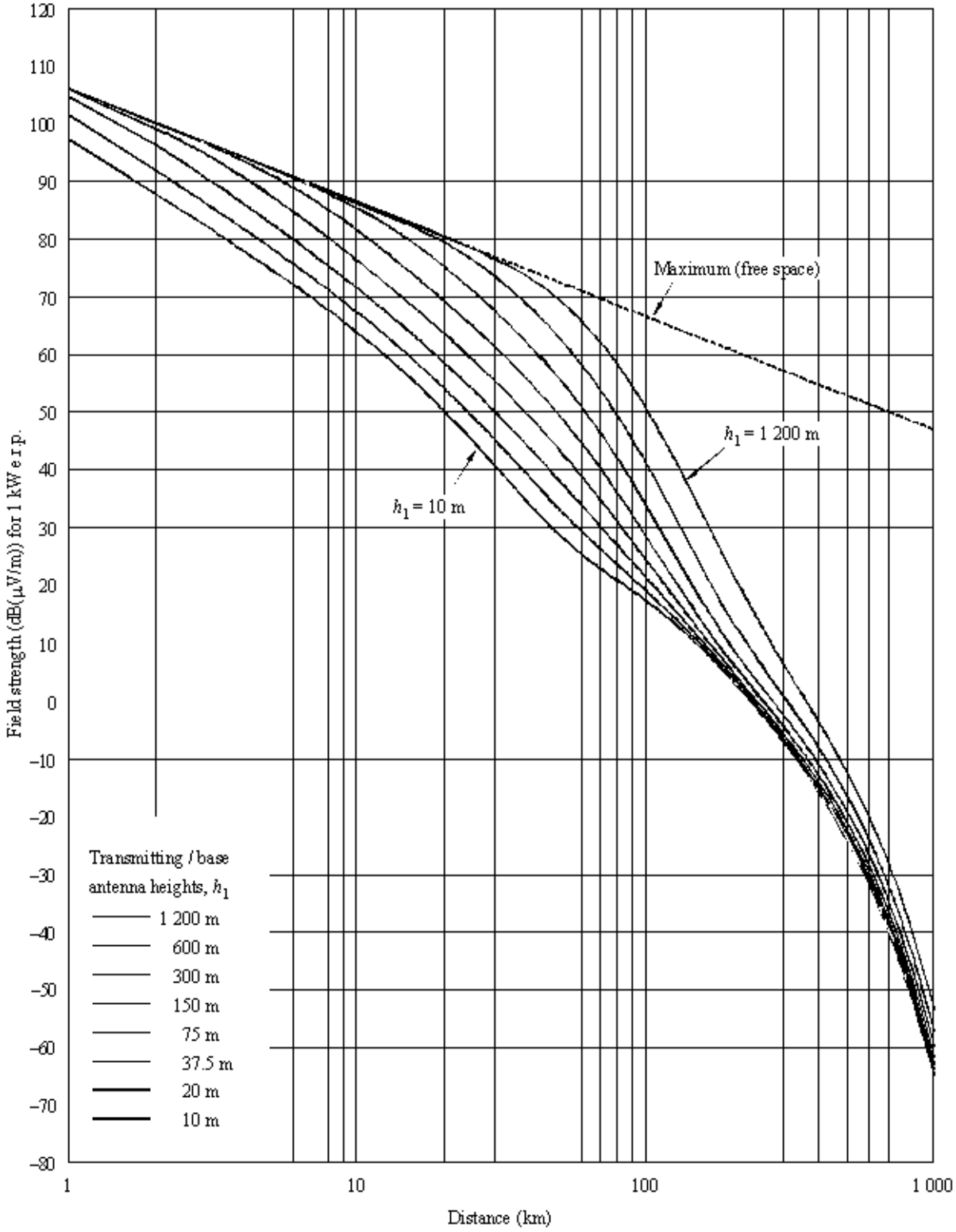


50% of locations

h_2 = 10 m

FIGURE 4

100 MHz, sea, 50% time

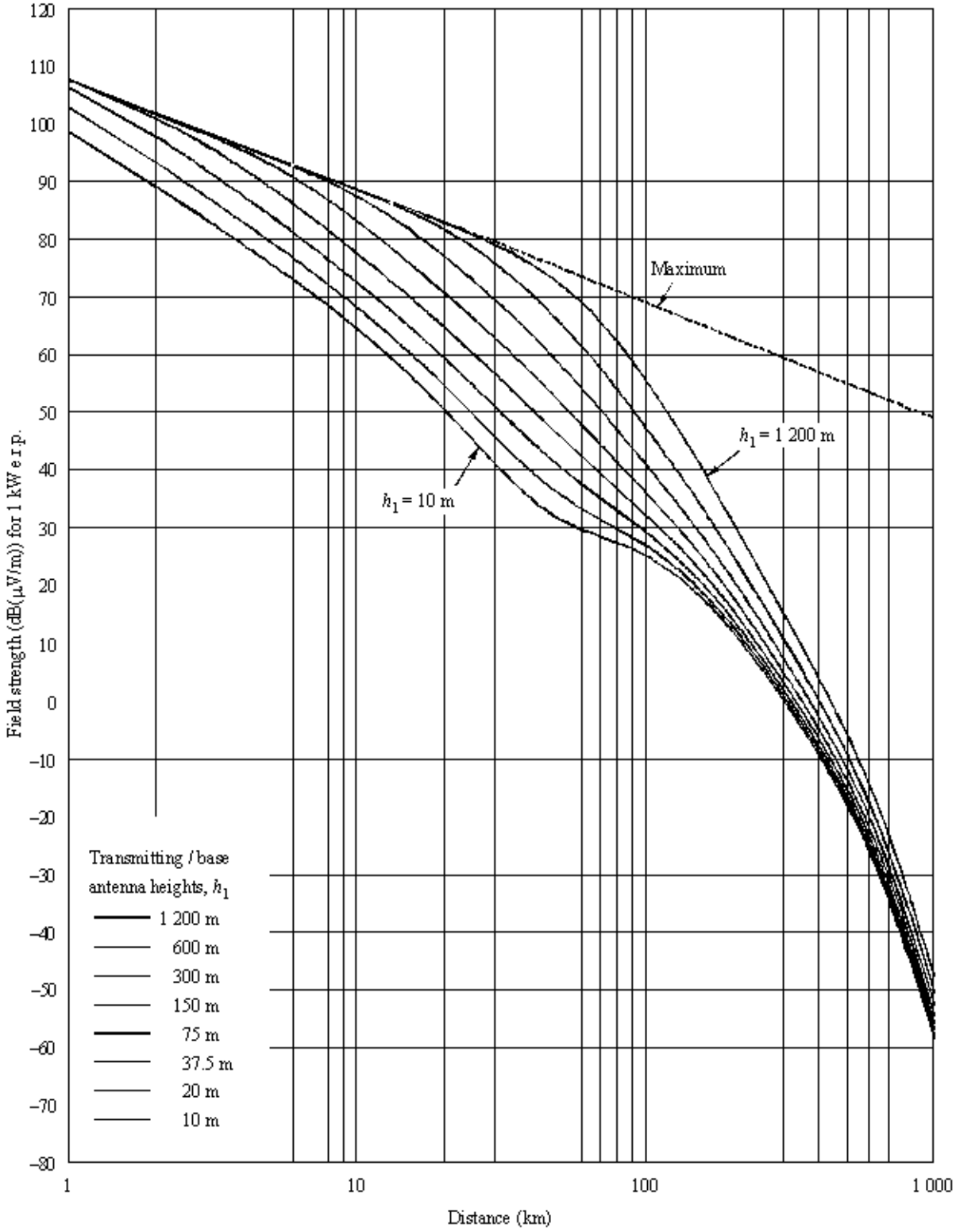


50% of locations

h_2 = 10 m

FIGURE 5

100 MHz, cold sea, 10 % time

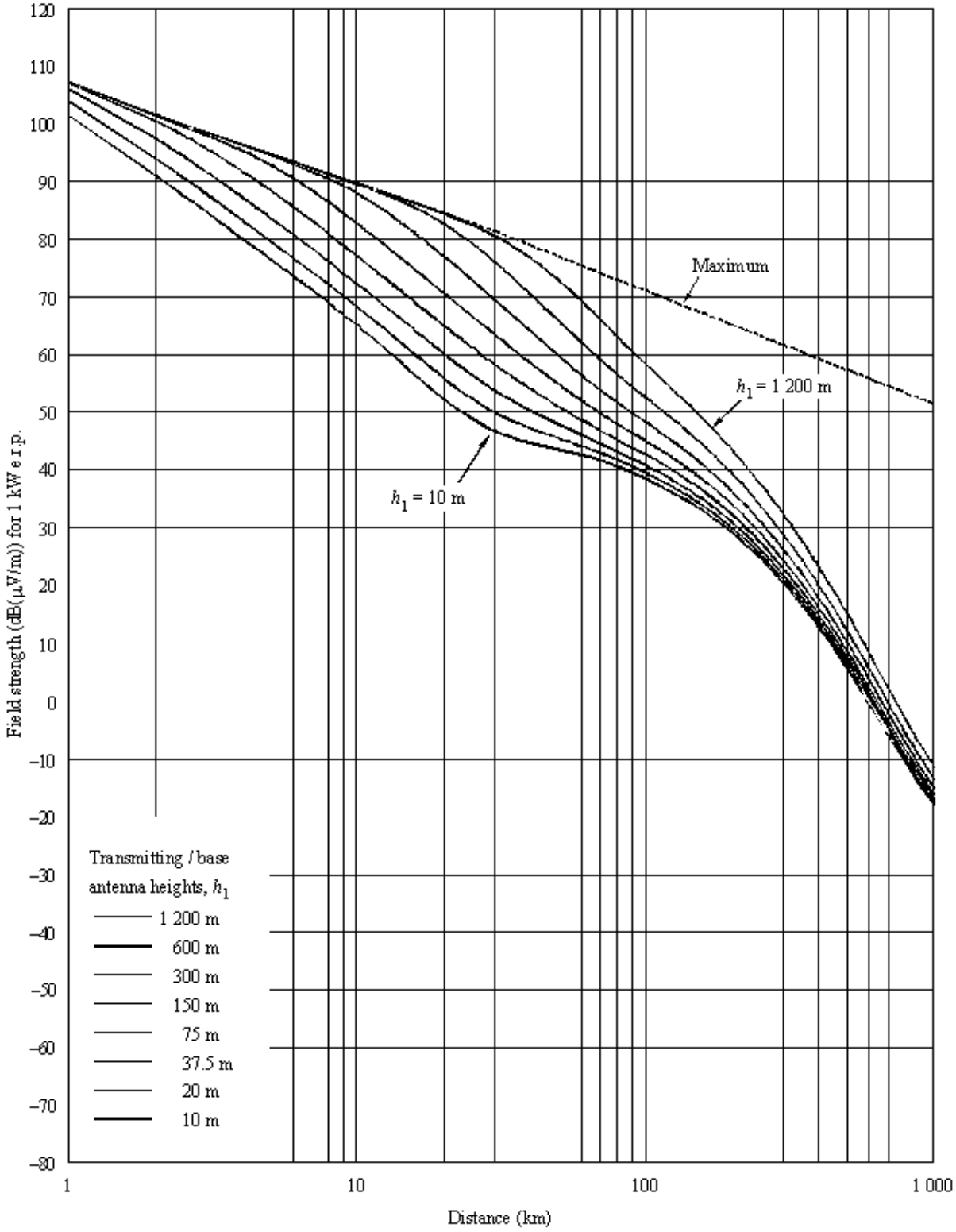


50% of locations

h_2 = 10 m

FIGURE 6

100 MHz, cold sea, 1% time

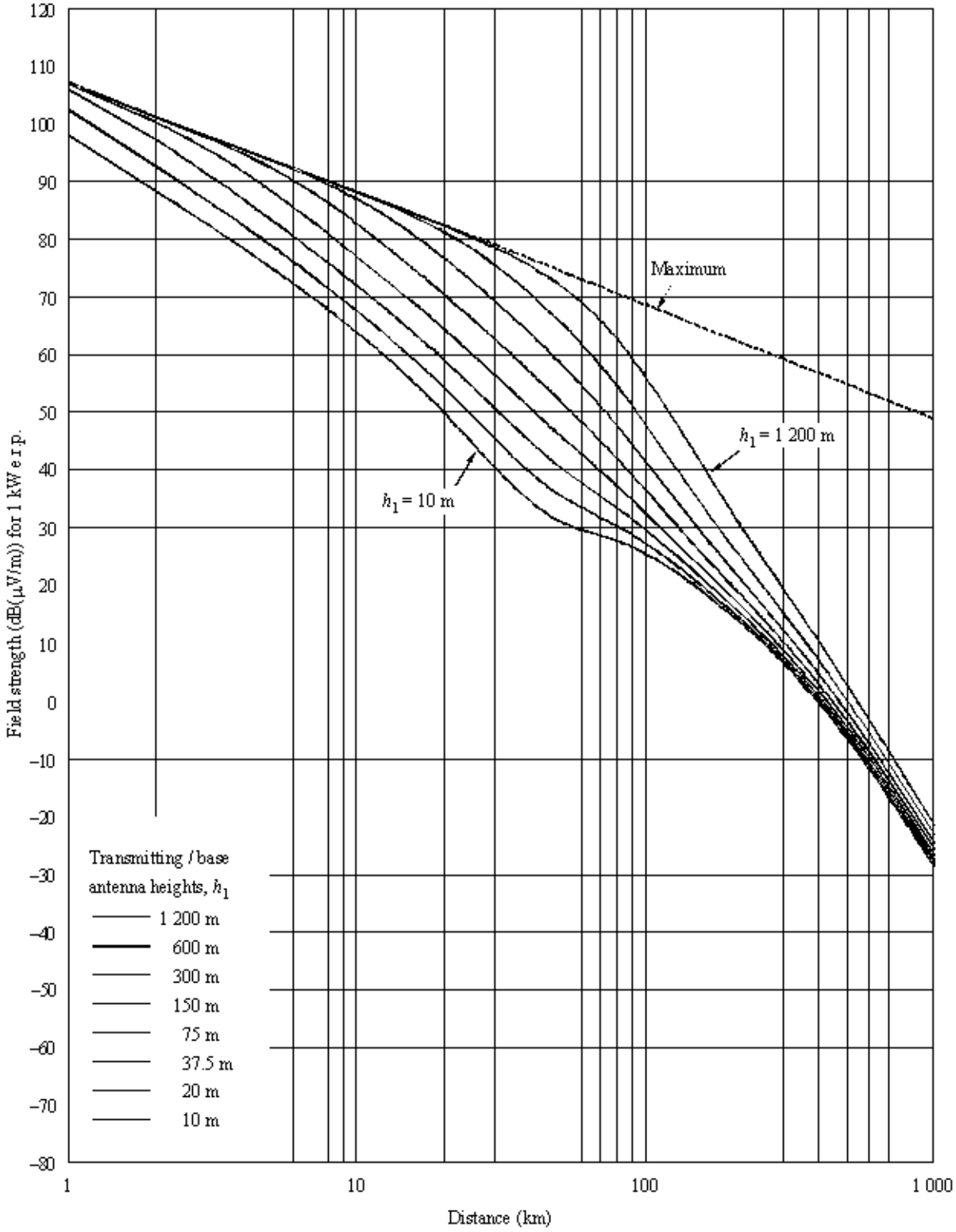


50% of locations

h_2 = 10 m

FIGURE 7

100 MHz, warm sea, 10% time

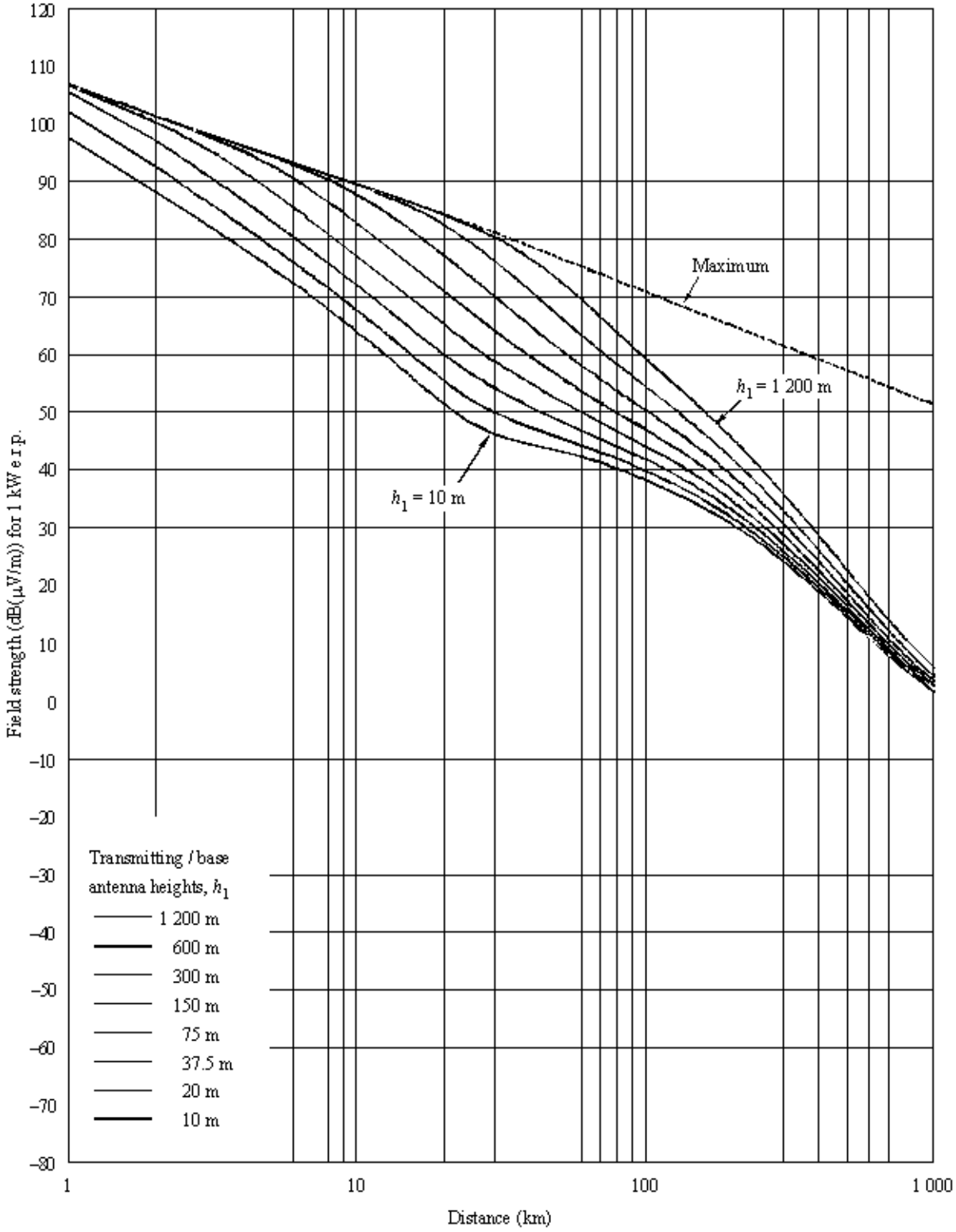


50% of locations

h_2 = 10 m

FIGURE 8

100 MHz, warm sea, 1% time

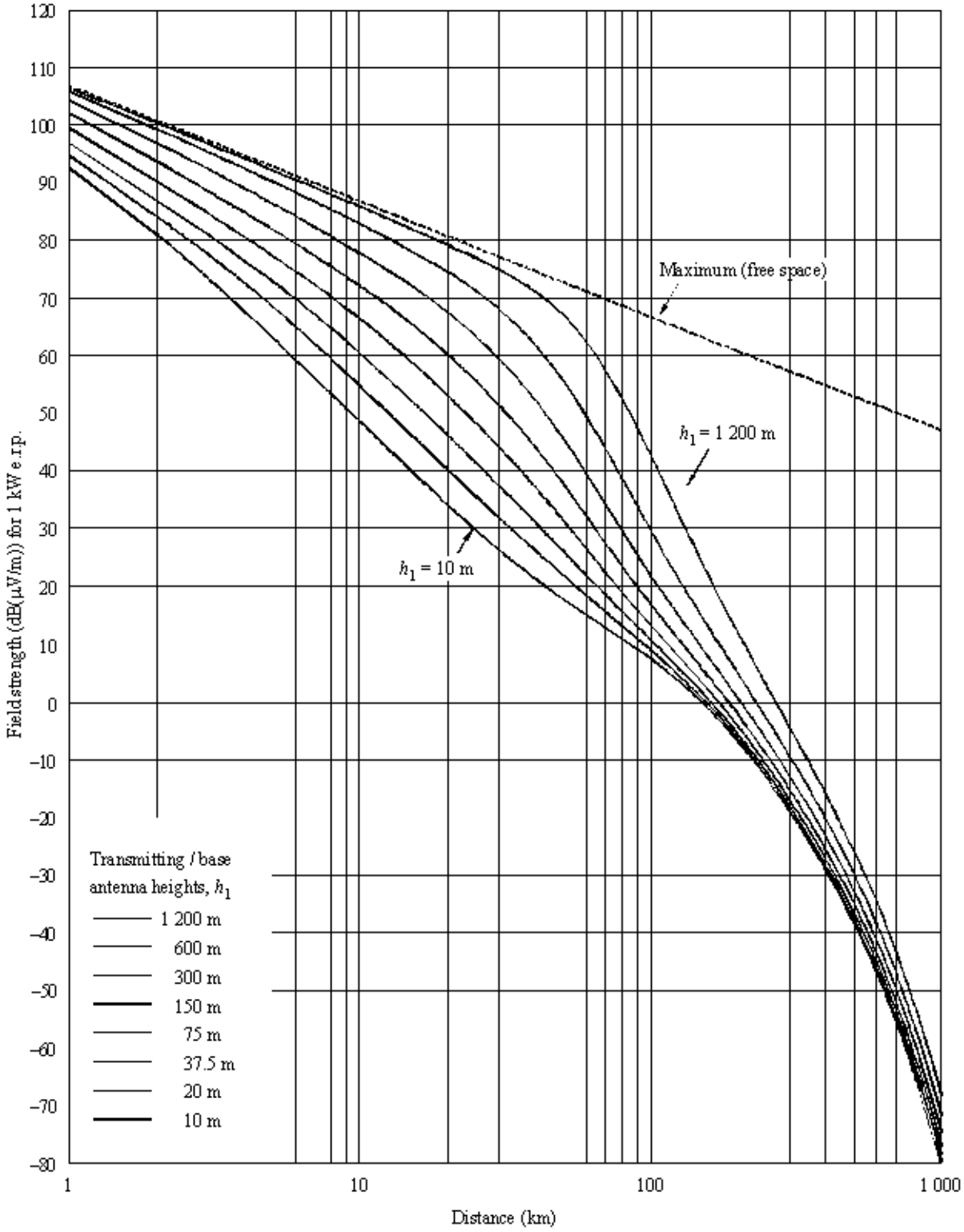


50% of locations

h_2 = 10 m

FIGURE 9

600 MHz, land, 50% time

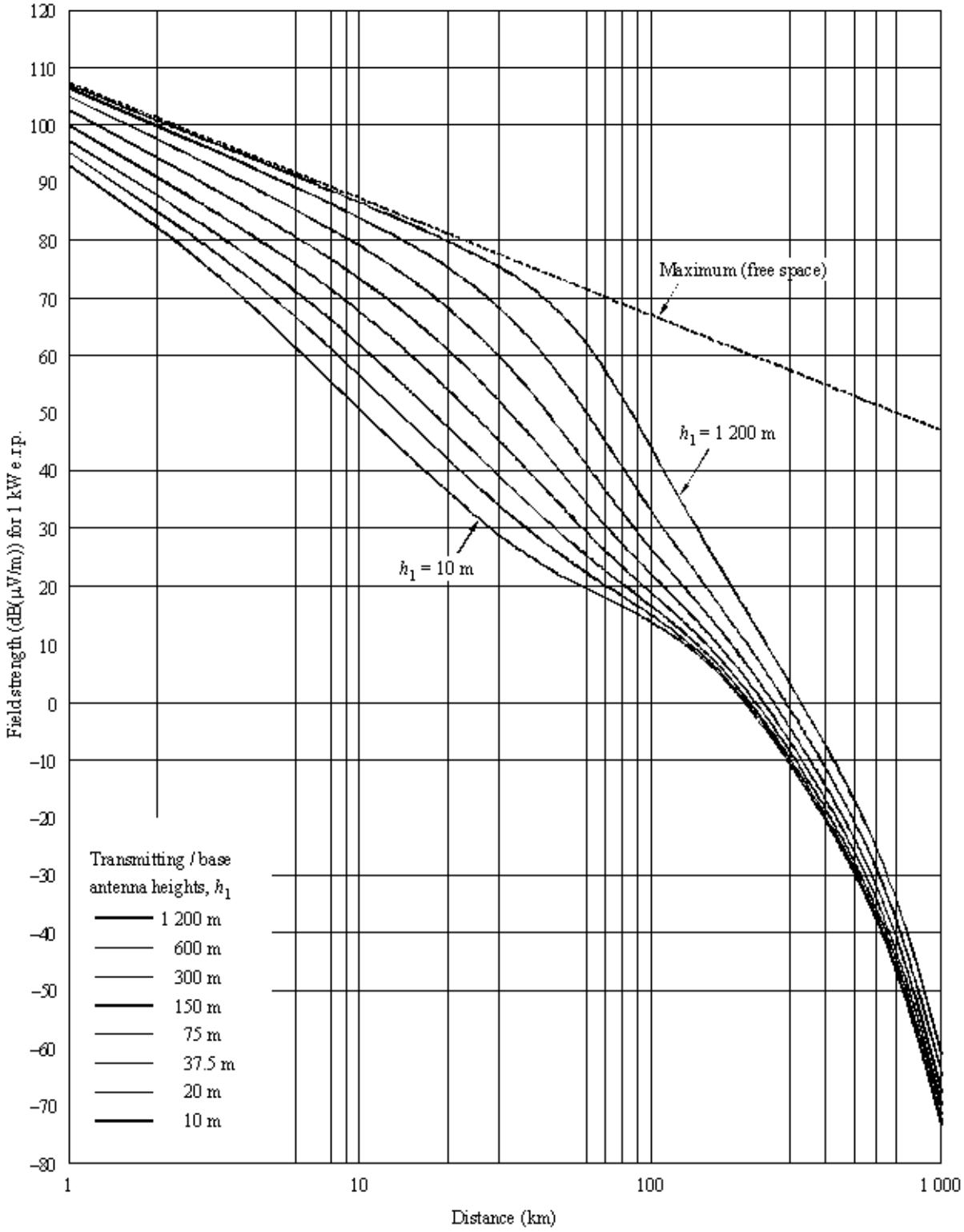


50% of locations

h_2 = 10 m

FIGURE 10

600 MHz, land, 10% time

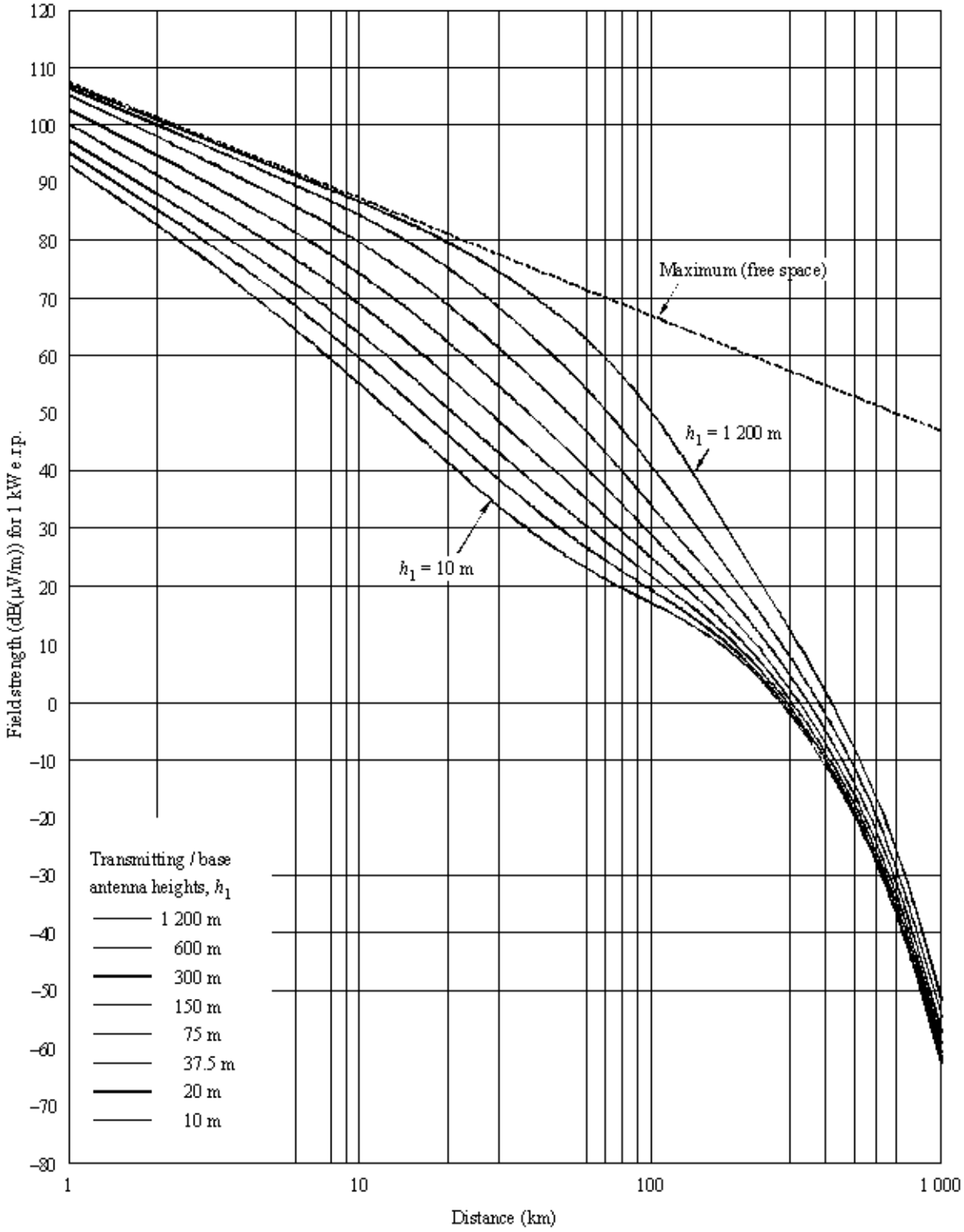


50% of locations

h_2 = 10 m

FIGURE 11

600 MHz, land, 1% time

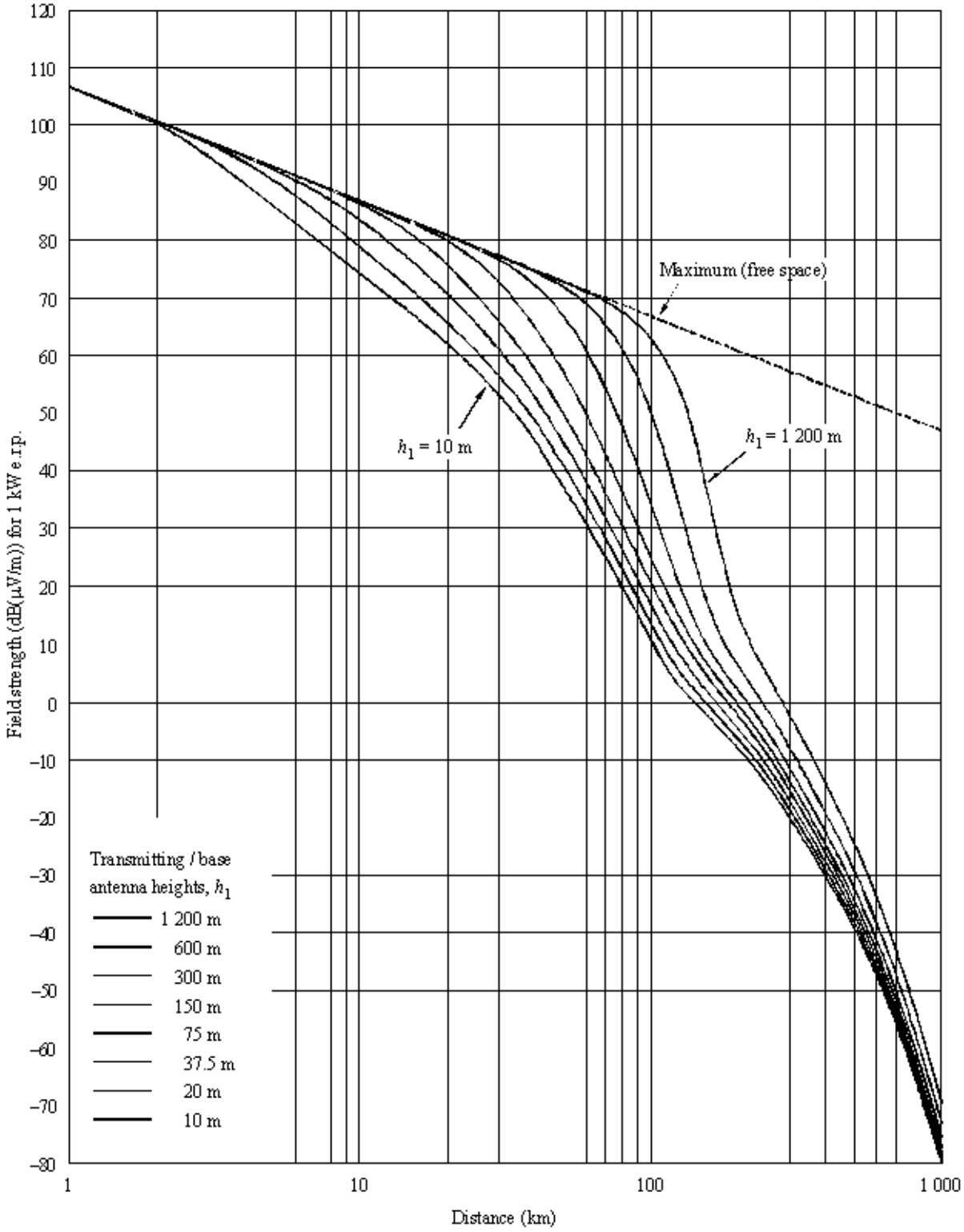


50% of locations

h_2 = 10 m

FIGURE 12

600 MHz, sea, 50% time

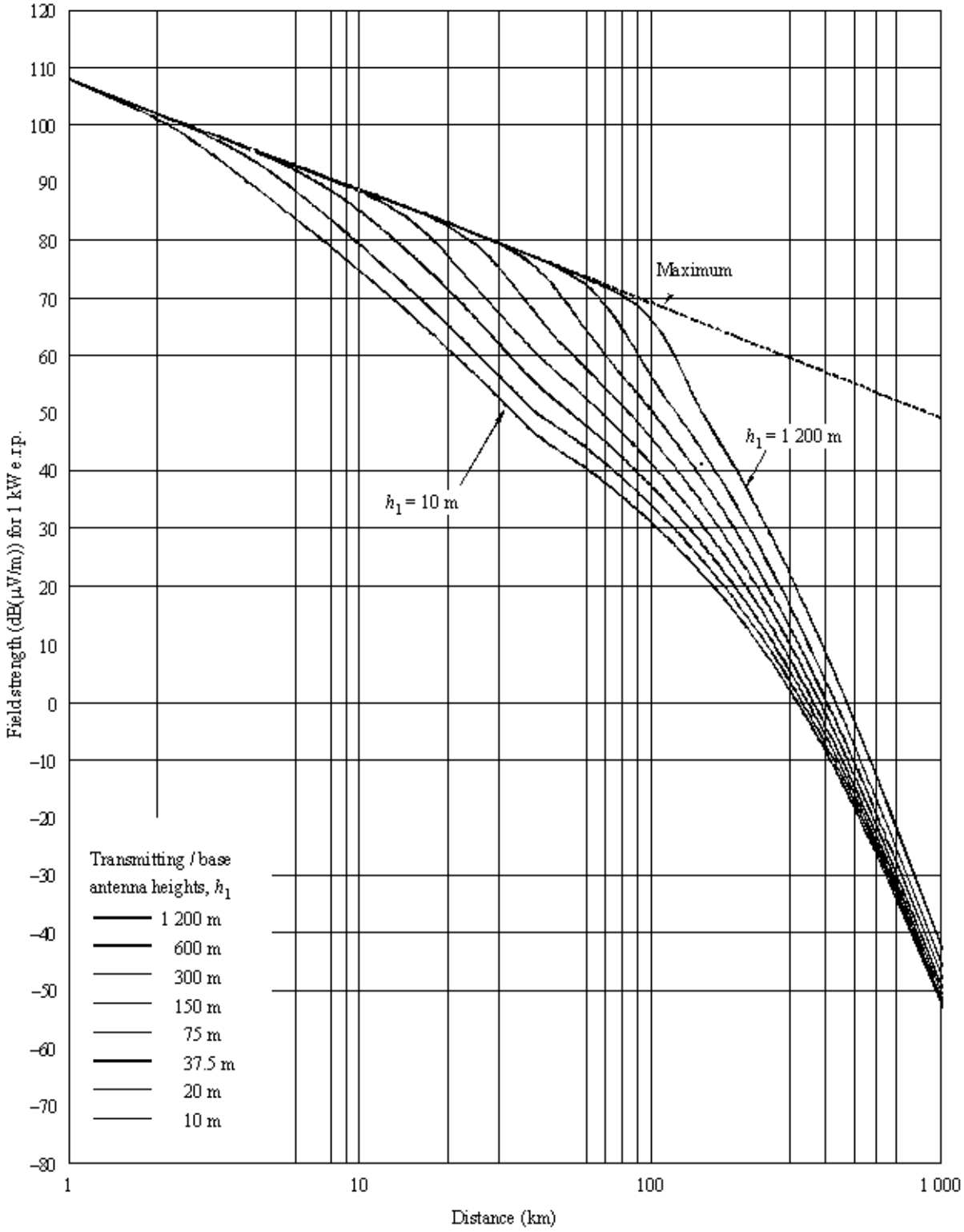


50% of locations

h_2 = 10 m

FIGURE 13

600 MHz, cold sea, 10 % time

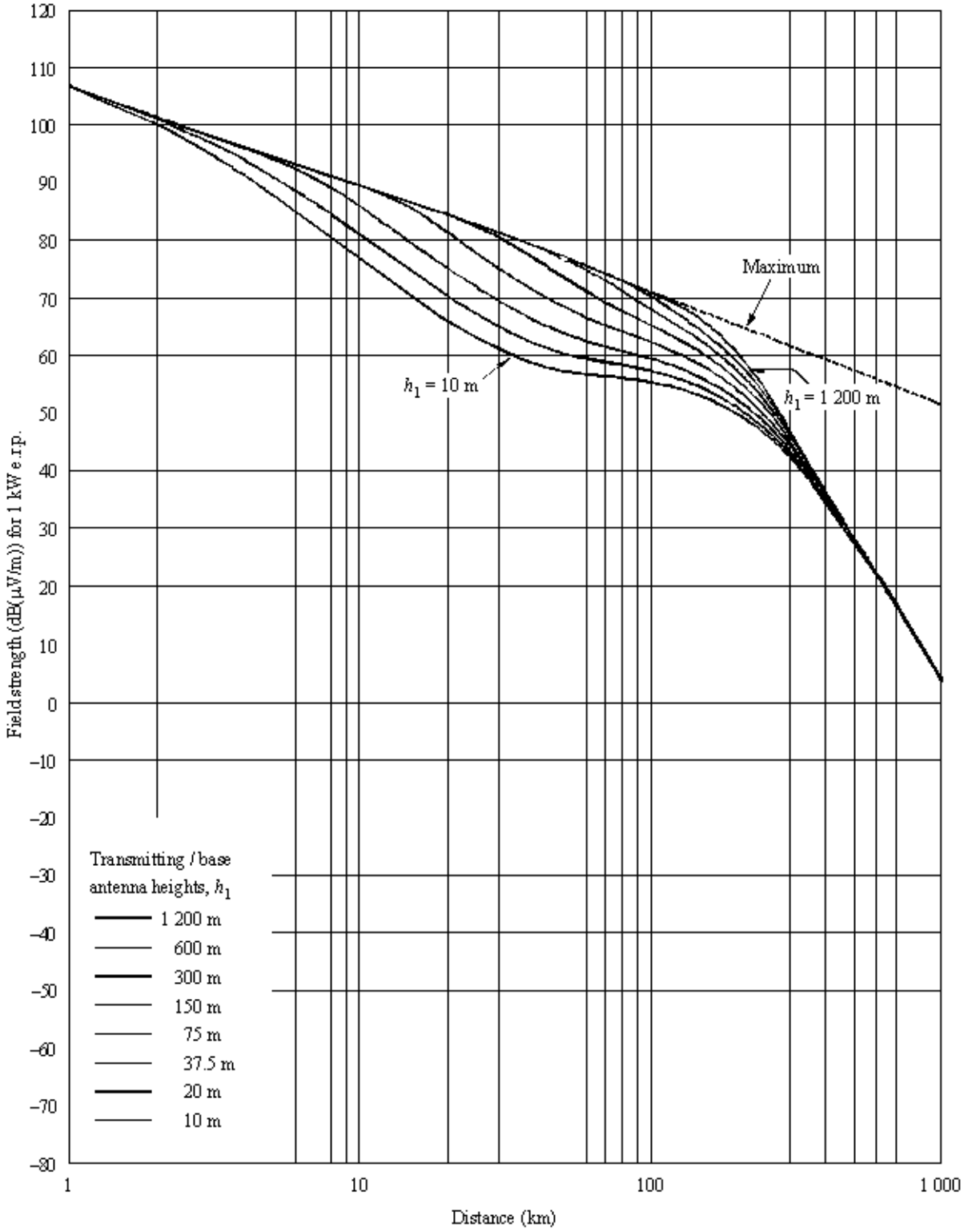


50% of locations

h_2 = 10 m

FIGURE 14

600 MHz, cold sea, 1% time

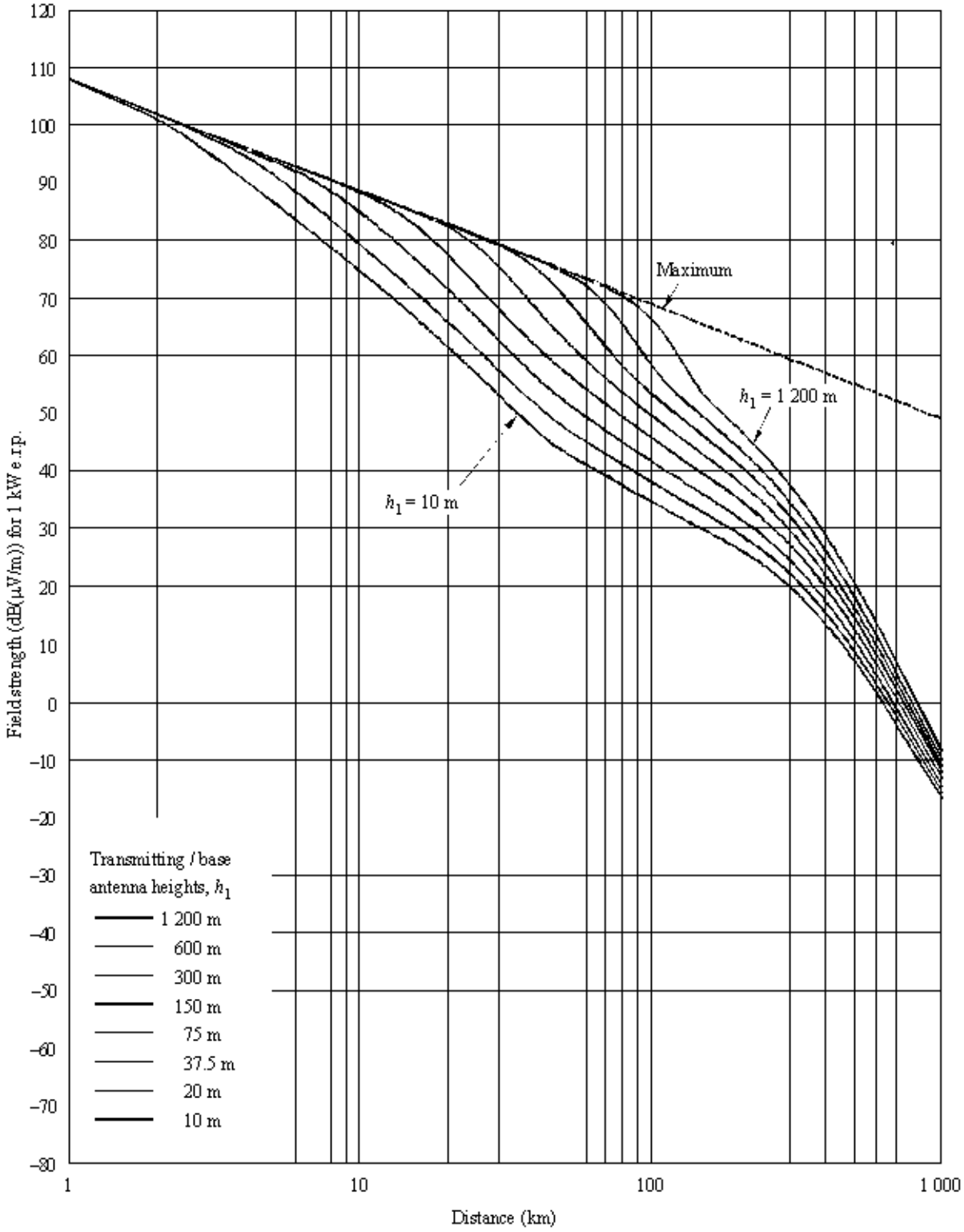


50% of locations

h_2 = 10 m

FIGURE 15

600 MHz, warm sea, 10% time

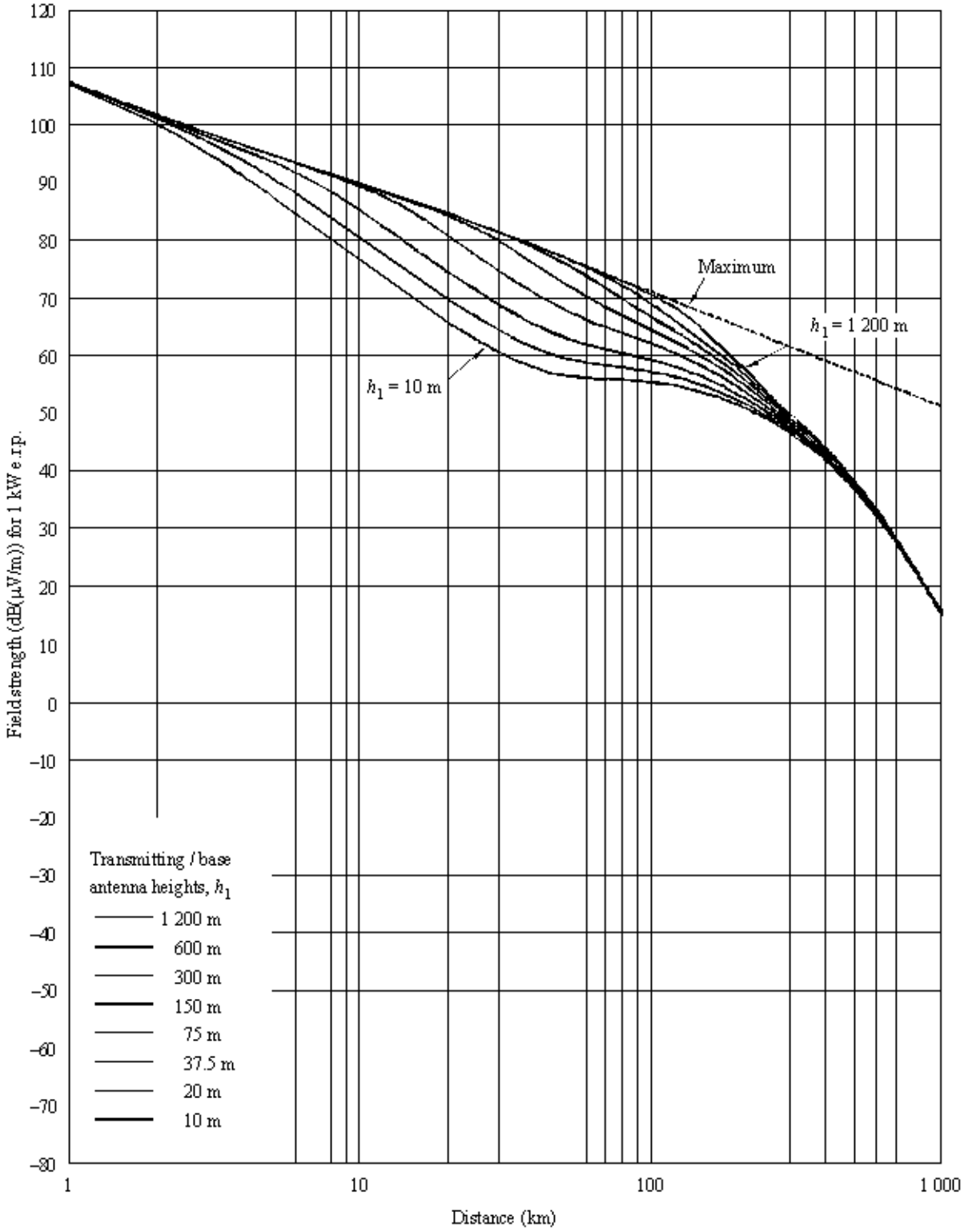


50% of locations

h_2 = 10 m

FIGURE 16

600 MHz, warm sea, 1% time

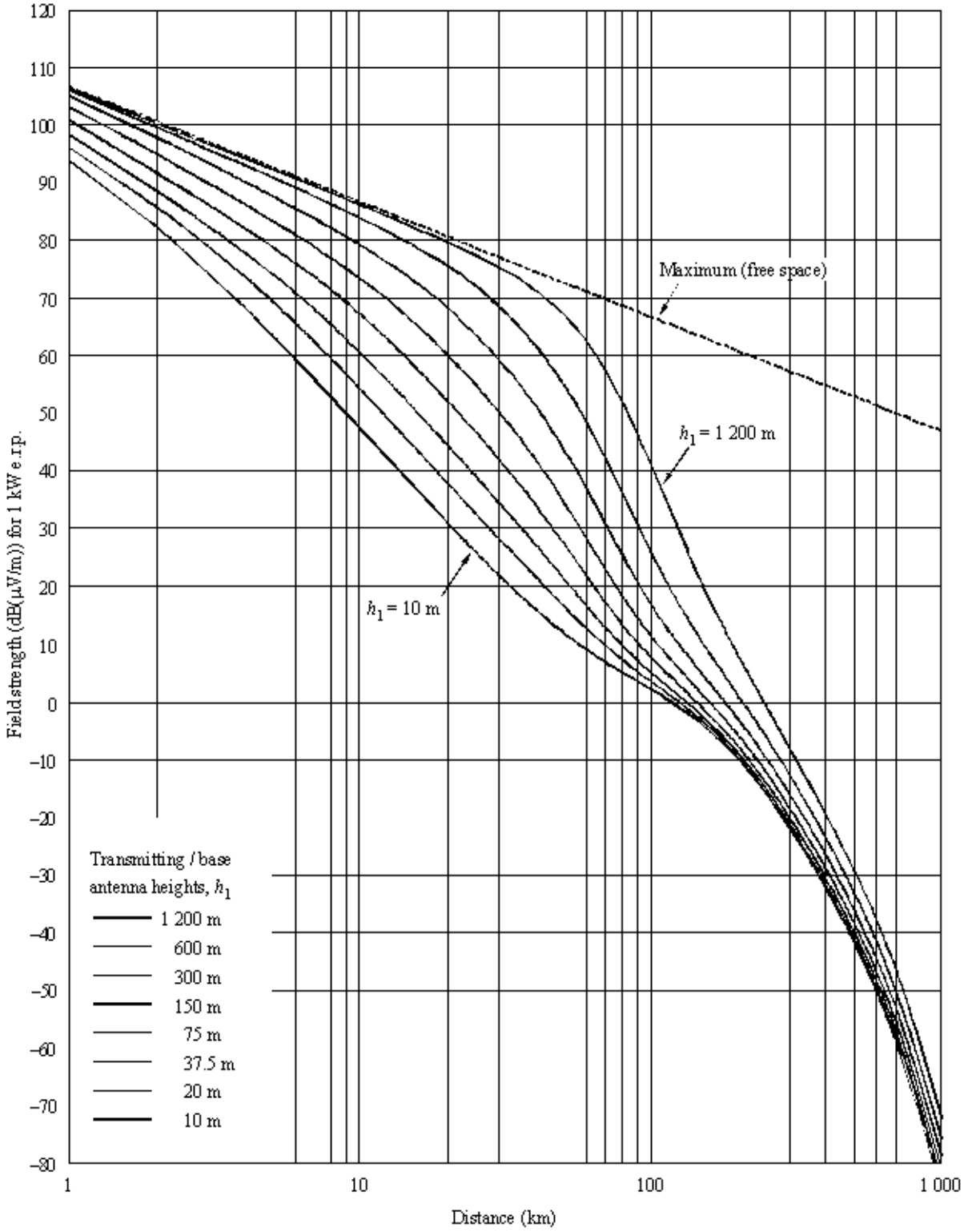


50% of locations

h_2 = 10 m

FIGURE 17

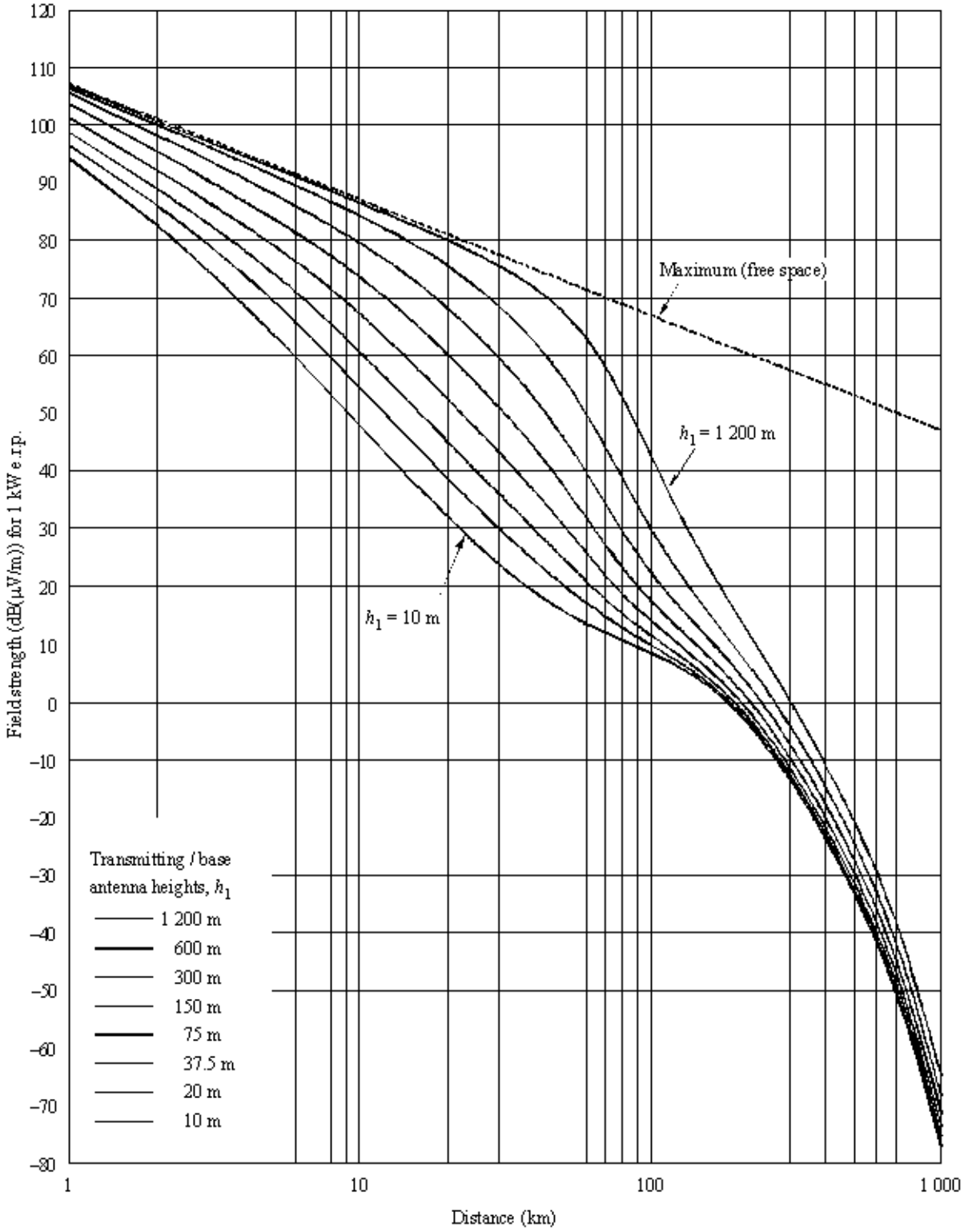
2 000 MHz, land, 50% time



50% of locations
h_2 = 10 m

FIGURE 18

2 000 MHz, land, 10% time

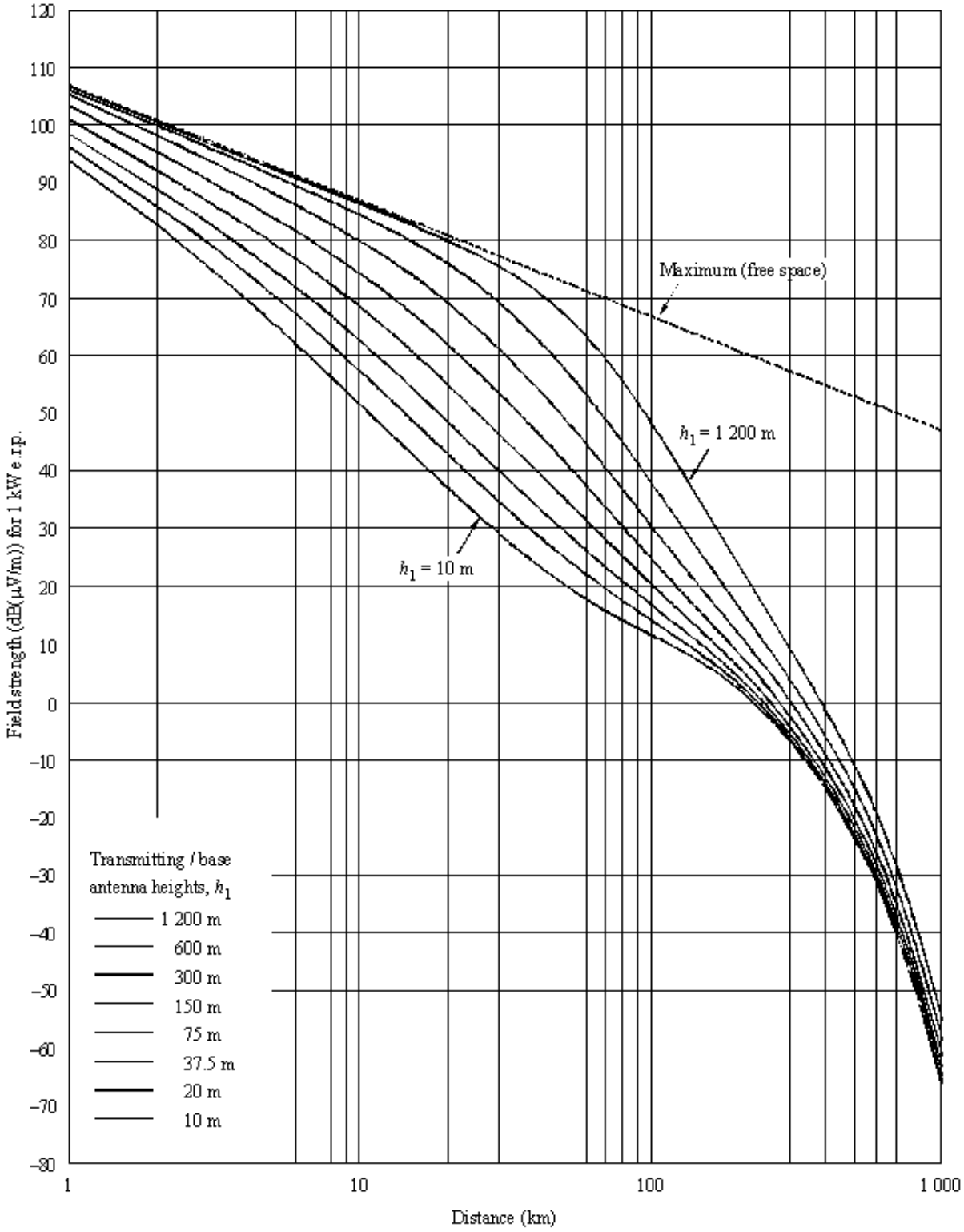


50% of locations

h_2 = 10 m

FIGURE 19

2 000 MHz, land, 1% time

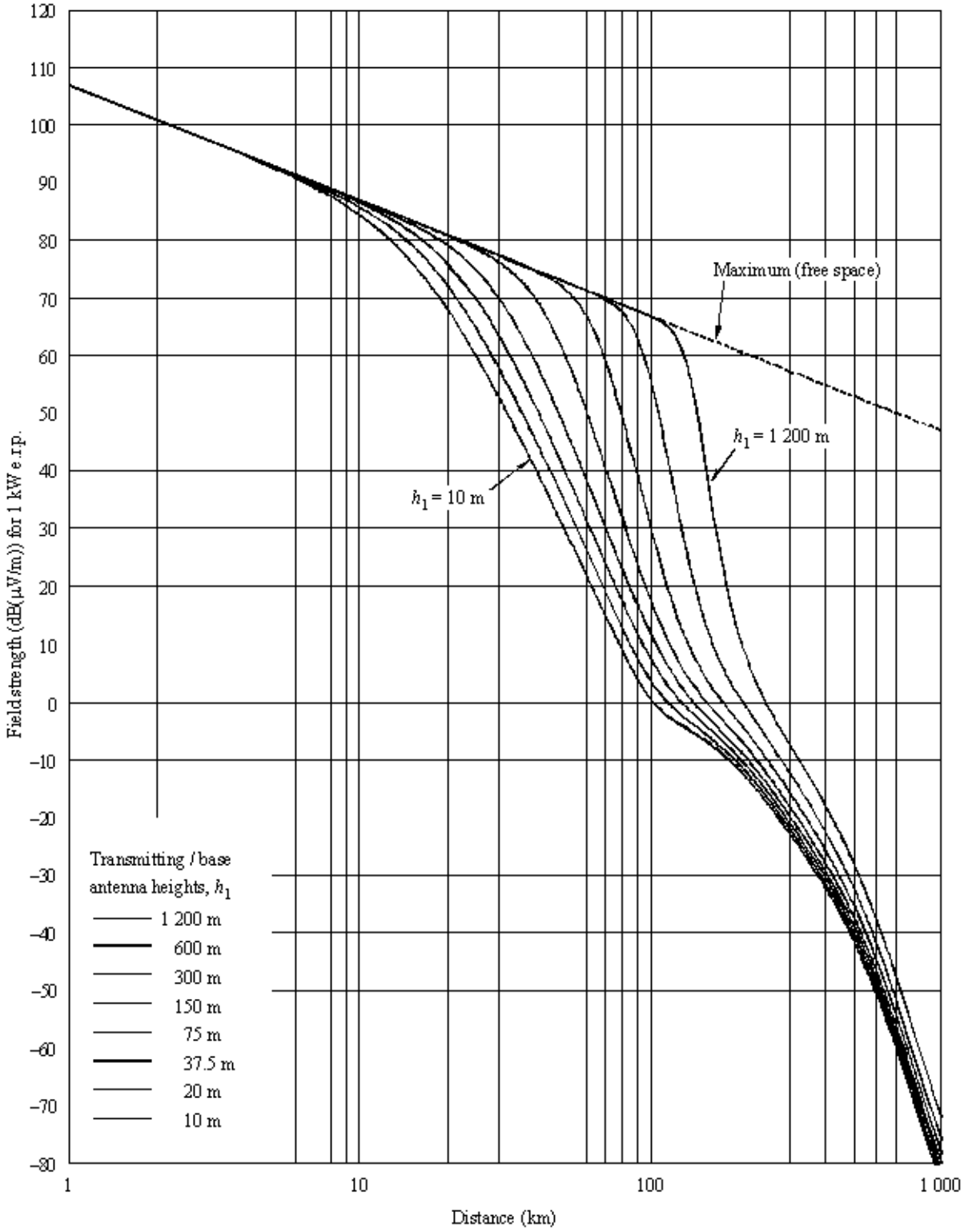


50% of locations

h_2 = 10 m

FIGURE 20

2 000 MHz, sea, 50% time

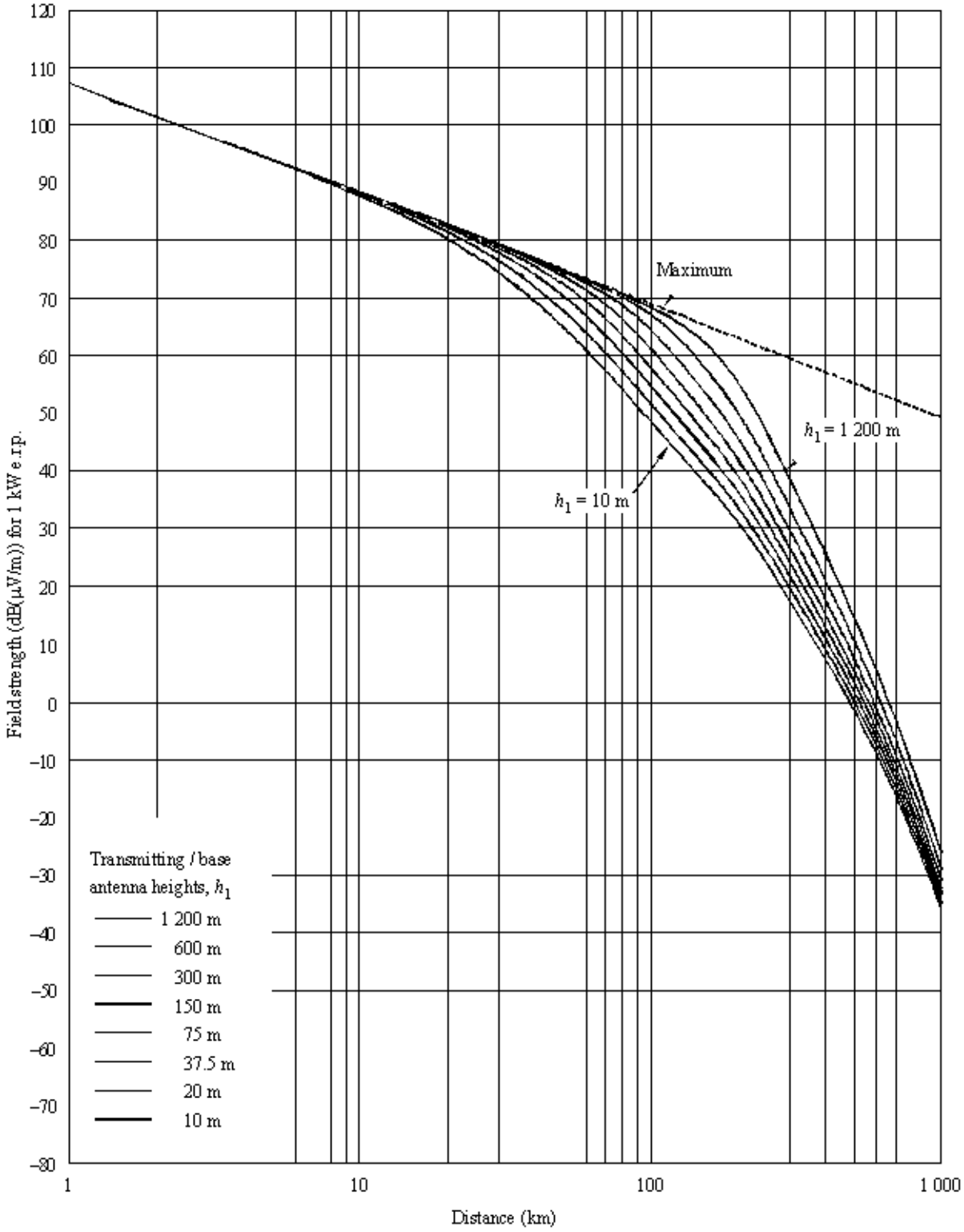


50% of locations

h_2 = 10 m

FIGURE 21

2 000 MHz, cold sea, 10% time

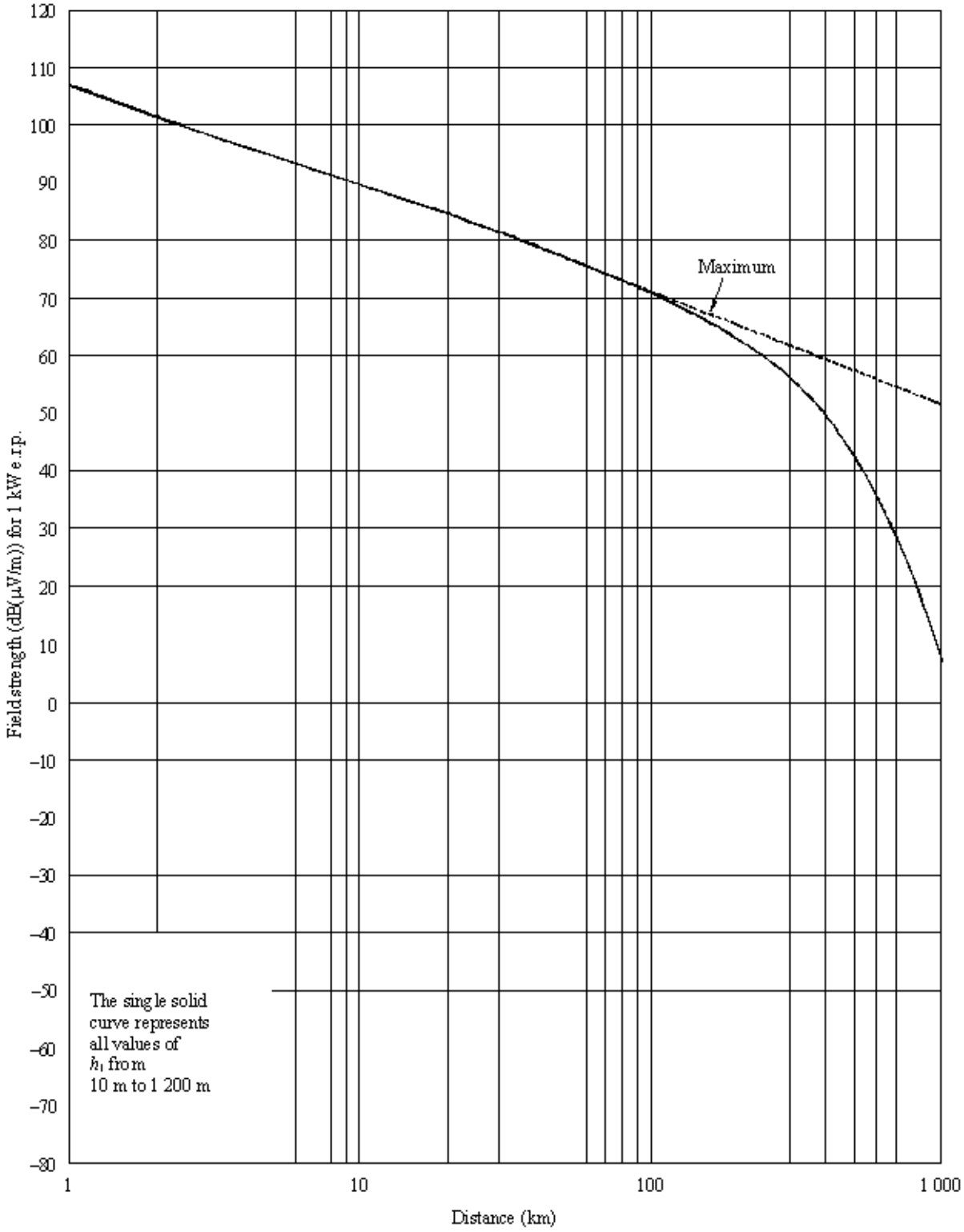


50% of locations

h_2 = 10 m

FIGURE 22

2 000 MHz, cold sea, 1% time

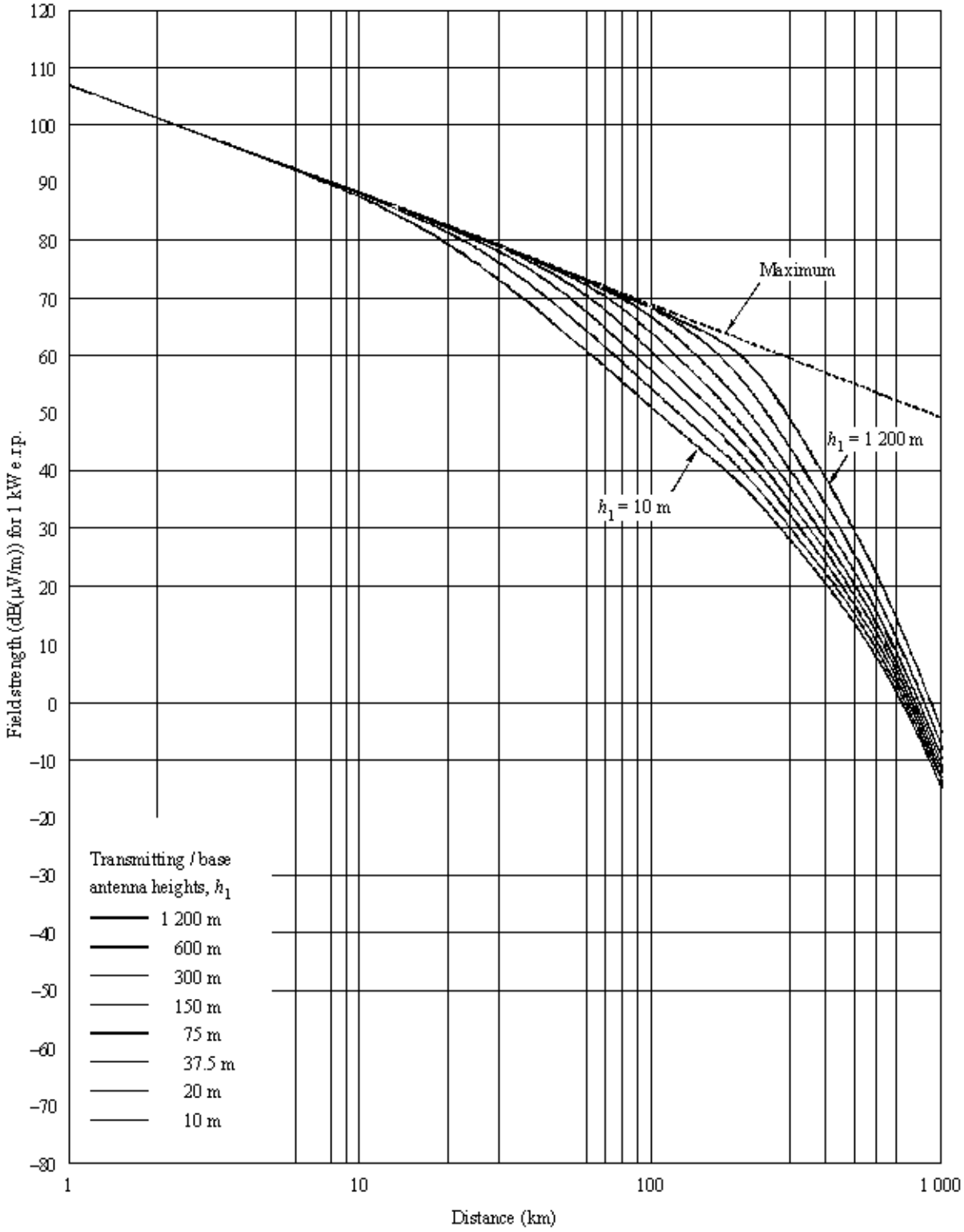


50% of locations

$h_2 = 10$ m

FIGURE 23

2 000 MHz, warm sea, 10 % time

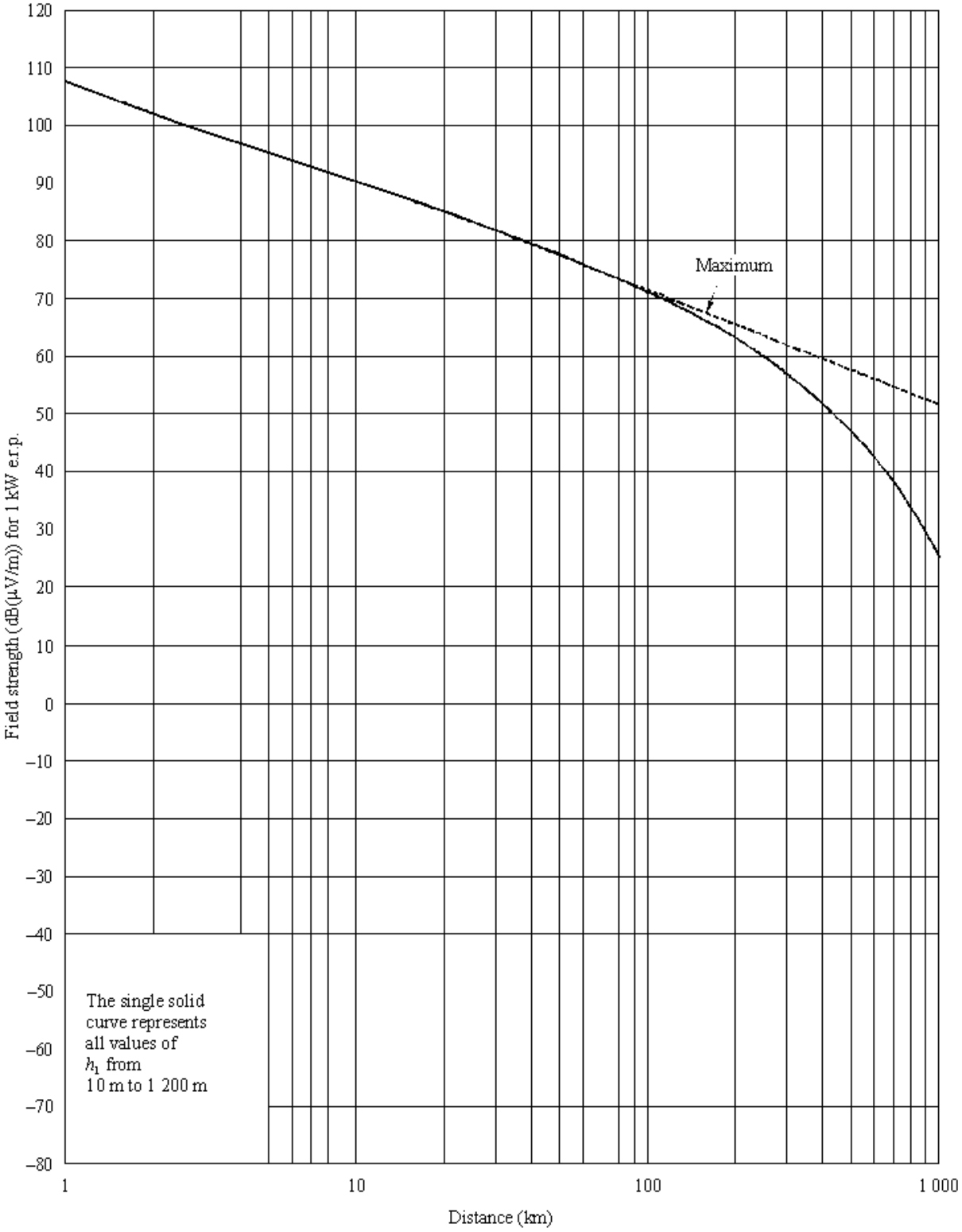


50% of locations

h_2 = 10 m

FIGURE 24

2 000 MHz, warm sea, 1% time



50% of locations

h_2 = 10 m