

- 1 Recommendation BT.798-1. **Digital Television Terrestrial Broadcasting in the VHF/UHF Bands**. ITU-R, 1994.
- 2 Recommendation P.1546. **Method for point-to-area predictions for terrestrial services in the frequency range 30 MHz to 3 000 MHz**, ITU-R, 2001.
- 3 Luiz A. R. da Silva Mello, Marlene Sabino Pontes e Márcio Eduardo Rodrigues da Costa. **Apostila de Rádio Propagação**. CETUC, maio de 2000.
- 4 Notas de Aula do Curso de **Canal de Propagação Rádio Móvel** - Professor Gláucio Lima Siqueira, CETUC – PUC-Rio.
- 5 Notas de Aula do Curso de **Planejamento de Sistemas de Comunicações Celulares e de Rádio Acesso** – Professor Luiz A. R. da Silva Mello, CETUC – PUC-Rio
- 6 Grob, Bernard. **Televisão Básica**. Tradução de Ivan José de Albuquerque. 4. ed.: Guanabara Dois, 1979.
- 7 **Extratos dos estudos desenvolvidos pelo grupo de planejamento até o mês de fevereiro de 2002**, ANATEL, publicação eletrônica encontrada no endereço: www.anatel.gov.br.
- 8 Leandro Rodrigues Coelho, Nelson Alexander Pérez Garcia, Márcio Eduardo da Costa Rodrigues, Luiz Alencar R. da Silva Mello. **Sistemas Rádio Celulares e de Rádio Acesso**. CETUC, 2001.
- 9 Relatório Integrador dos aspectos técnicos e mercadológicos da Televisão Digital. CPqD, 28/03/2001. ANATEL, publicação eletrônica encontrada no endereço: www.anatel.gov.br.
- 10 Recommendation P.370-7. **VHF and UHF propagation curves for the frequency range from 30 MHz to 1 000 MHz**, ITU-R, 1995.
- 11 Recommendation P.529-3. **Prediction Methods for the terrestrial land mobile service in the VHF and UHF bands**, ITU-R, 1999.
- 12 Recommendation P.526-6. **Propagation by Diffraction**, ITU-R, 1999.

- 13 Handbook – Terrestrial land mobile radiowave propagation in the VHF/UHF bands, ITU-R, 2002
- 14 Norma para determinação da intensidade de campo em canais de VHF e UHF n-002/91. ANATEL, publicação eletrônica encontrada no endereço: www.anatel.gov.br.
- 15 Relatório Final de teste em sistemas de TV Digital. ANATEL, publicação eletrônica encontrada no endereço: www.anatel.gov.br.
- 16 Handbook of Mobile Radio Networks, Sami Tabhane, Artech House Publishers, 2000.
- 17 Handbook 2 – Terrestrial land mobile radiowave propagation in the VHF/UHF bands, ITU-R, 2002.

Anexo 1 - Curvas do modelo ITU-R 1546

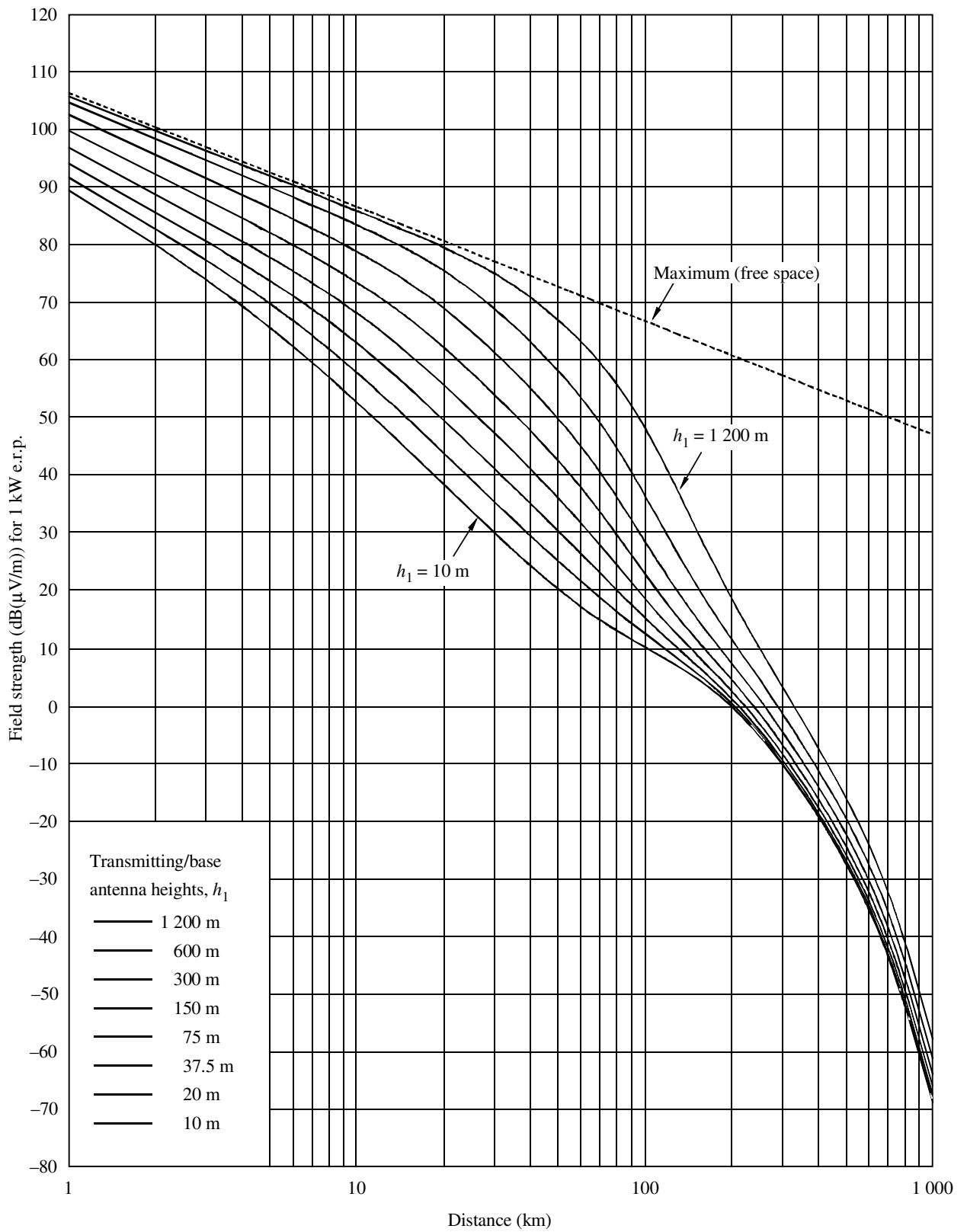
Segue as curvas do método de predição ponto-área para serviços terrestres na faixa de 30 MHz a 3000 MHz.

No primeiro conjunto são mostradas as curvas na faixa de 30 a 300 MHz centradas em 100 MHz. Este conjunto varia da figura 1 a 8.

No segundo conjunto são mostradas as curvas na faixa de 300 a 1000 MHz centradas em 600 MHz. Este conjunto varia da figura 9 a 16.

O terceiro conjunto mostra as curvas na faixa de 1000 a 3000 MHz centradas em 2000 MHz. Este conjunto varia da figura 17 a 24.

FIGURE 1
100 MHz, land path, 50% time

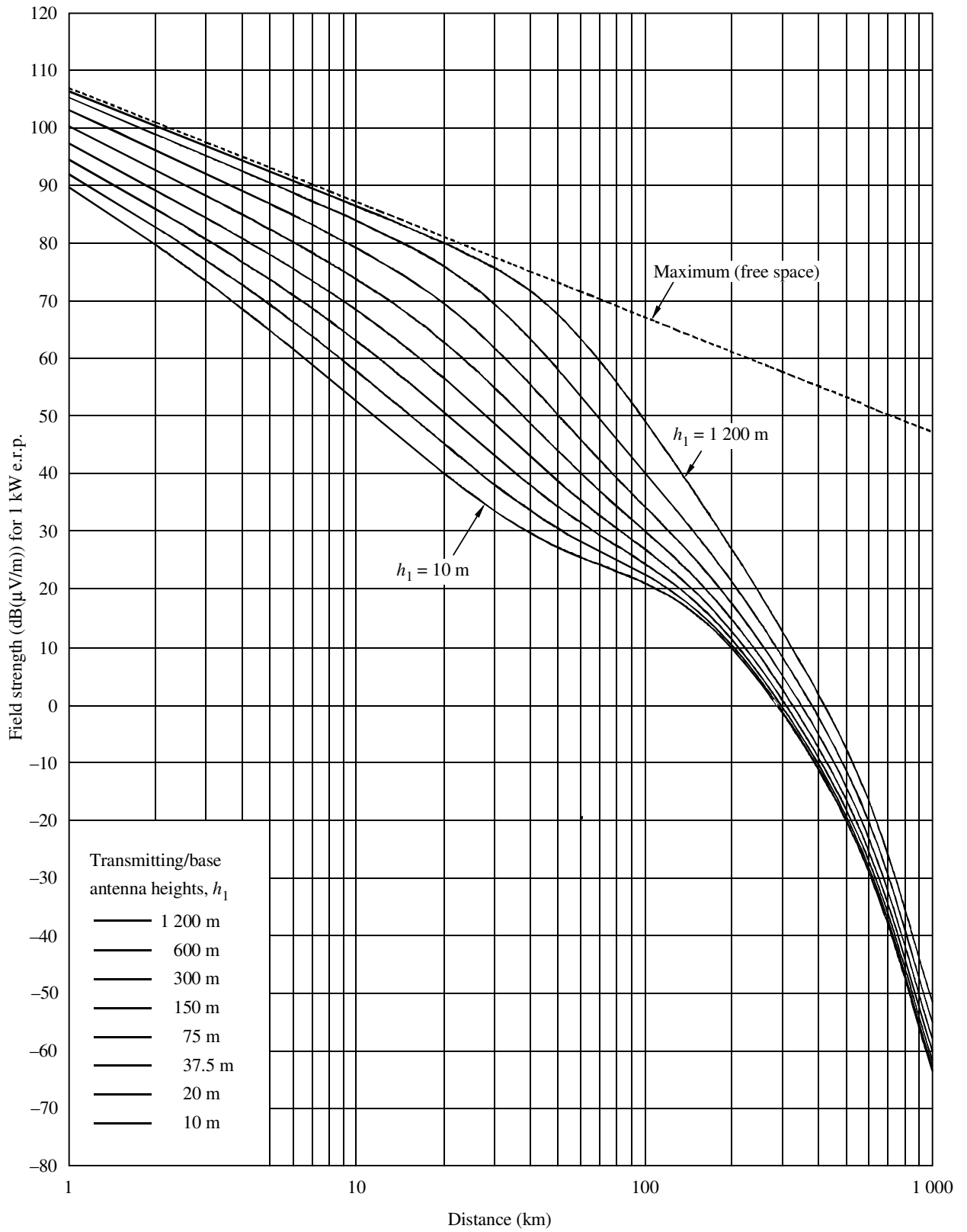


50% of locations

h_2 : representative clutter height

1546-01

FIGURE 2
100 MHz, land path, 10% time

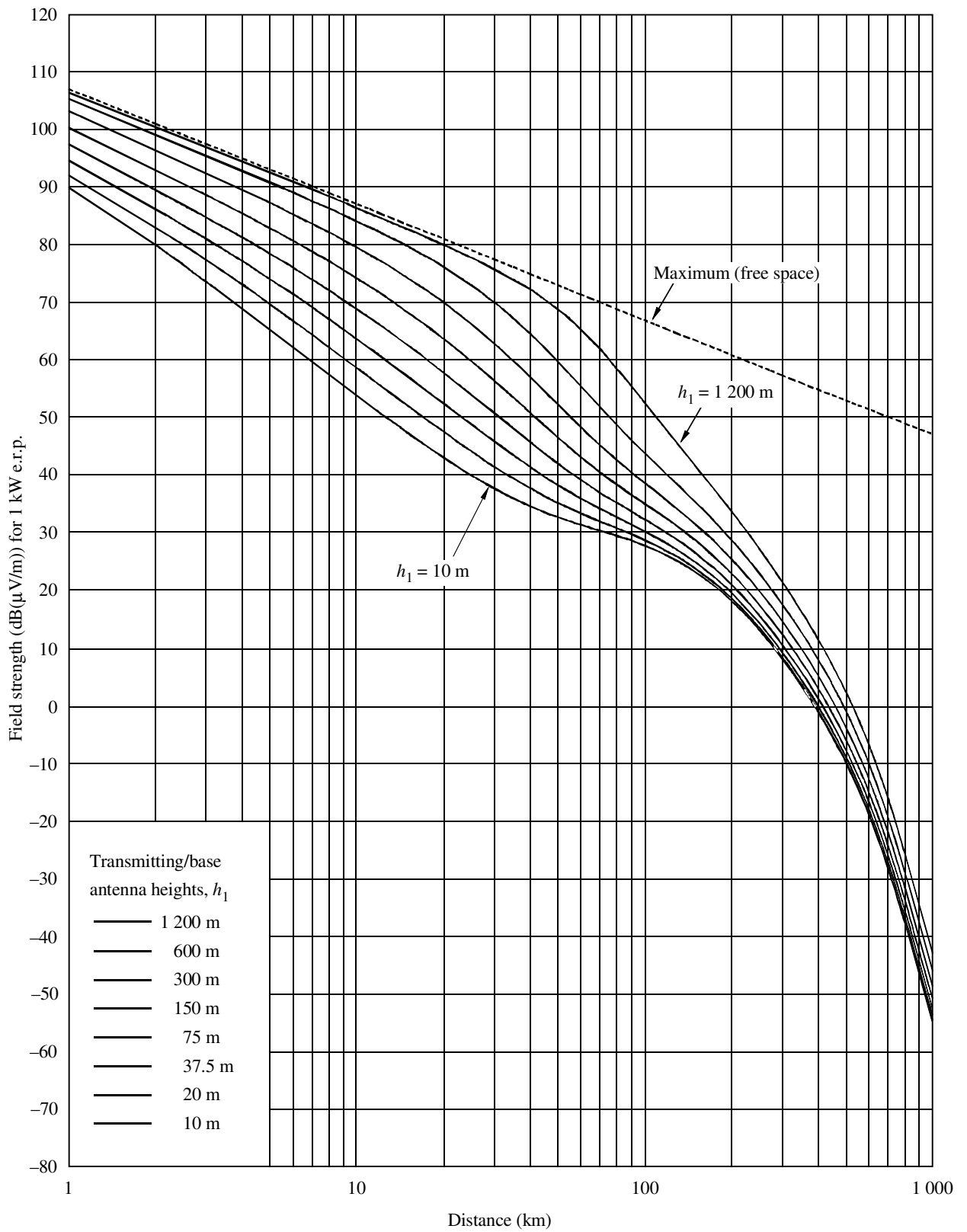


50% of locations

h_2 : representative clutter height

1546-02

FIGURE 3
100 MHz, land path, 1% time

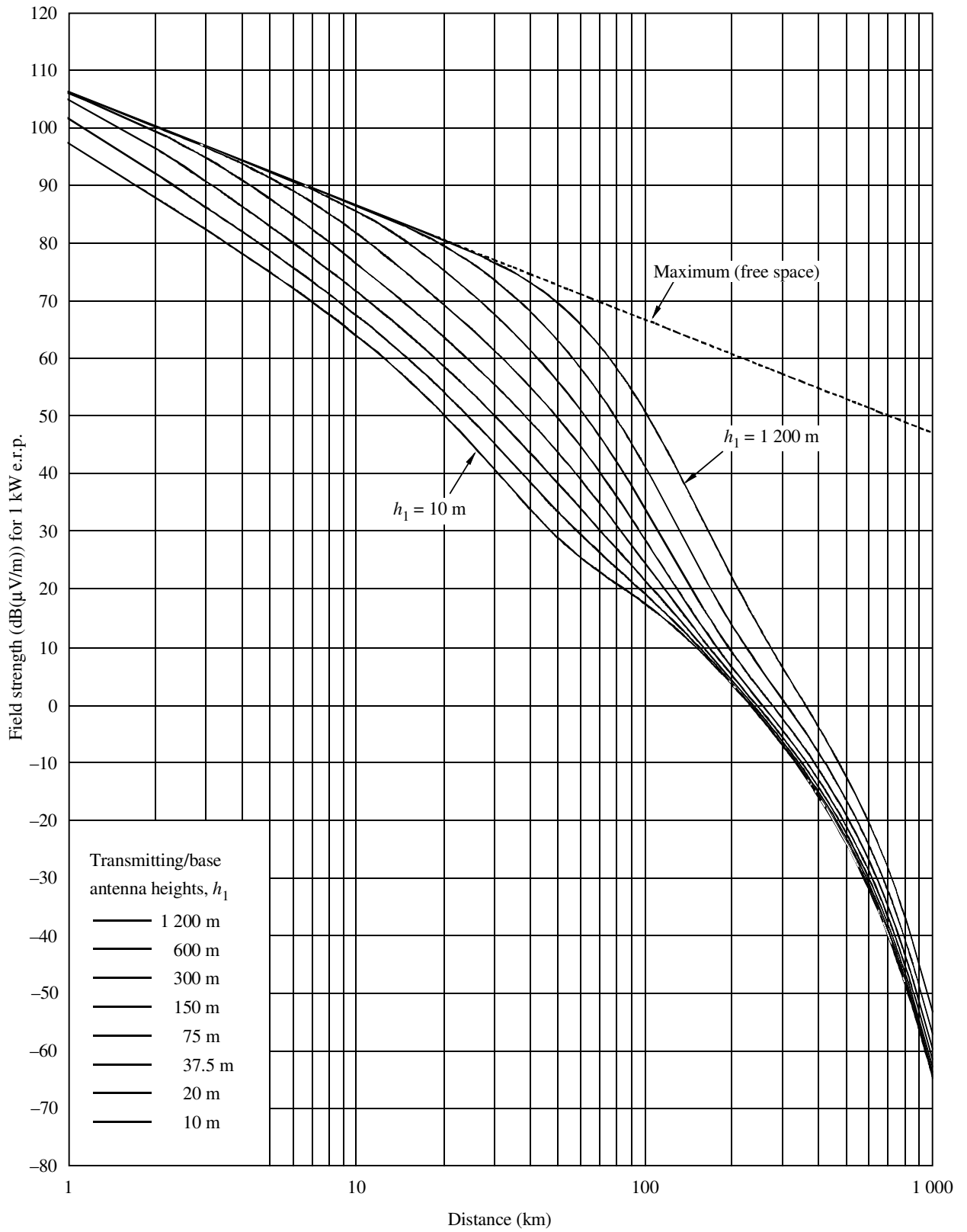


50% of locations

h_2 : representative clutter height

1546-03

FIGURE 4
100 MHz, sea path, 50% time

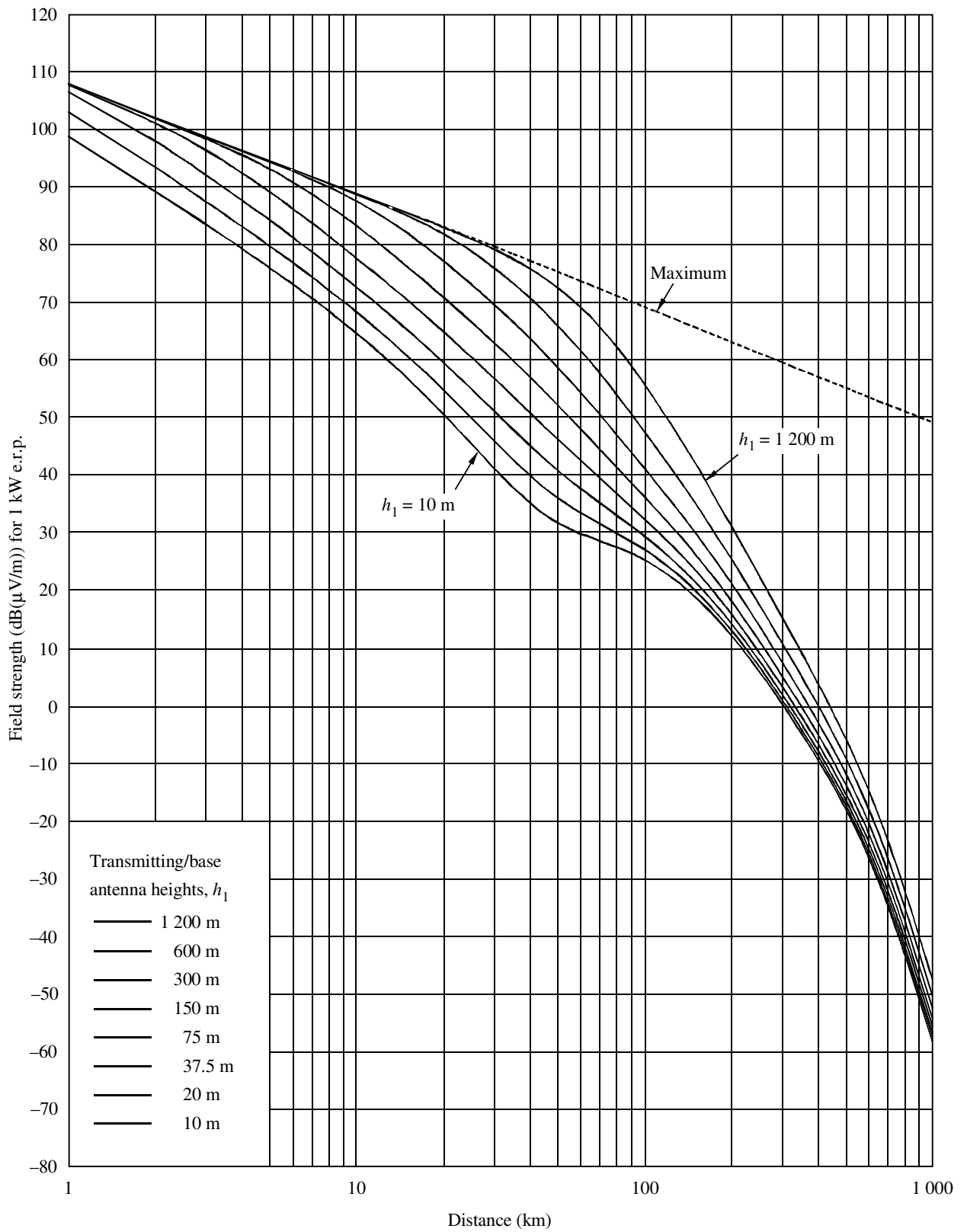


50% of locations

$h_2 = 10$ m

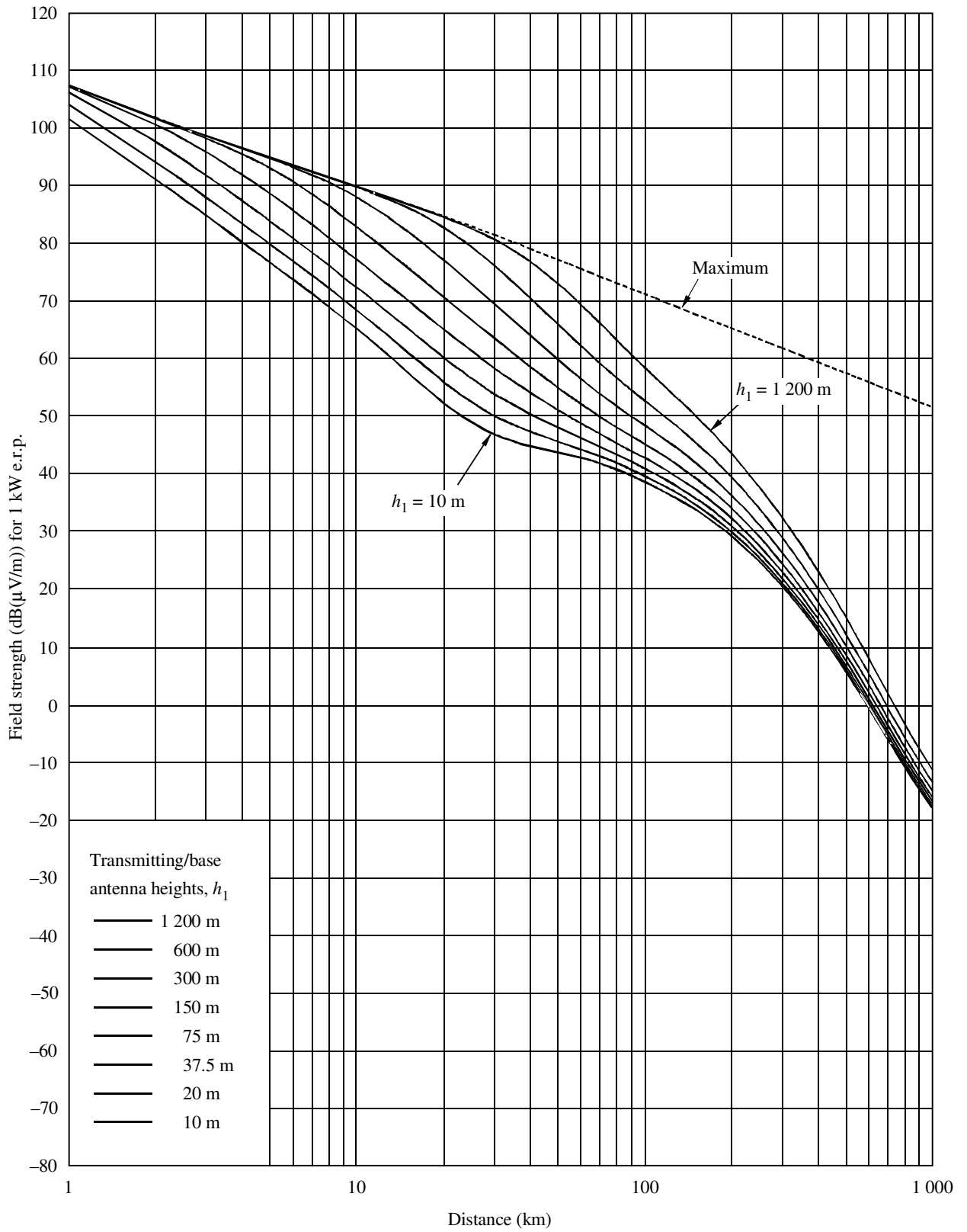
1546-04

FIGURE 5
100 MHz, cold sea path, 10% time



50% of locations
 $h_2 = 10$ m

FIGURE 6
100 MHz, cold sea path, 1% time

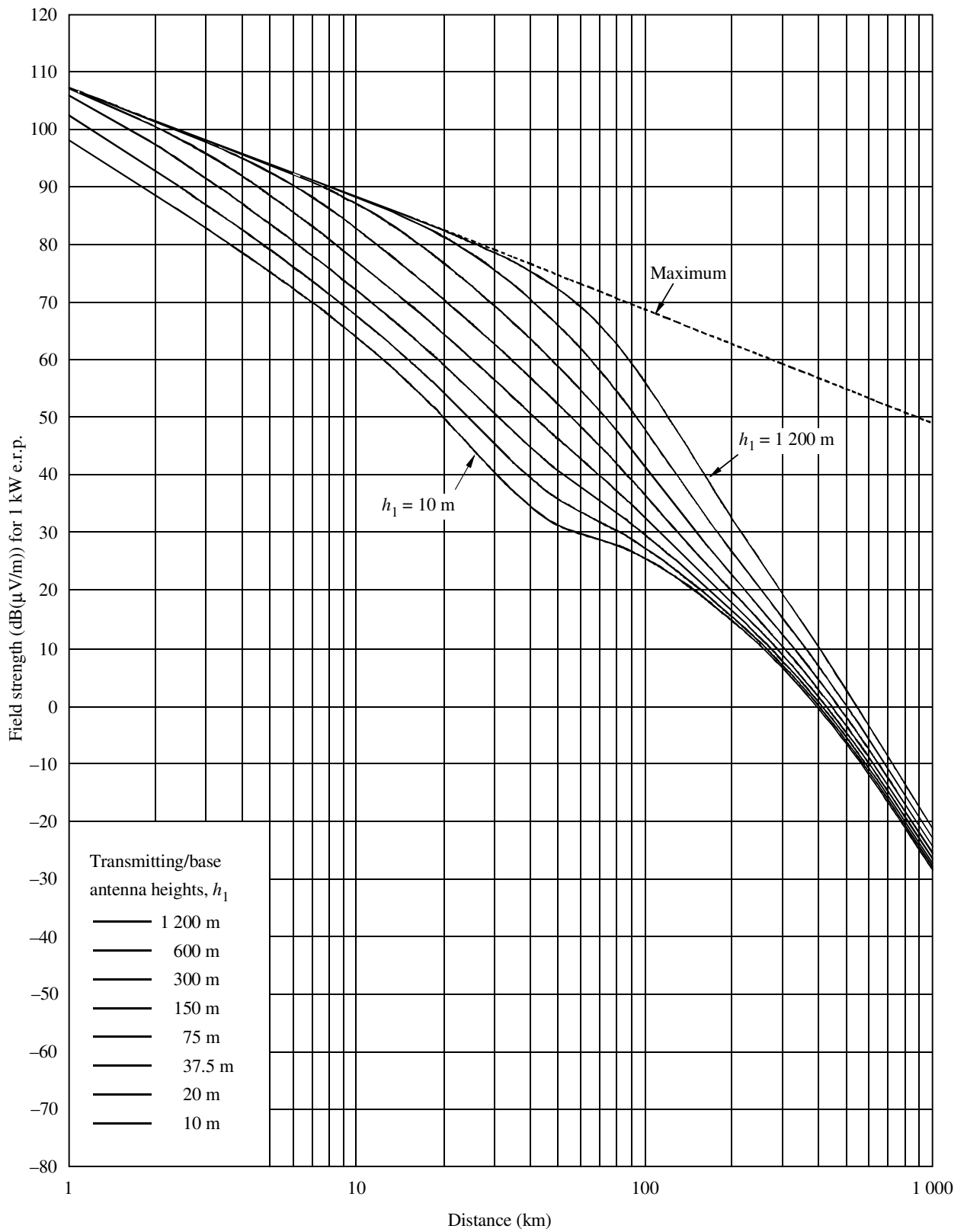


50% of locations

$h_2 = 10$ m

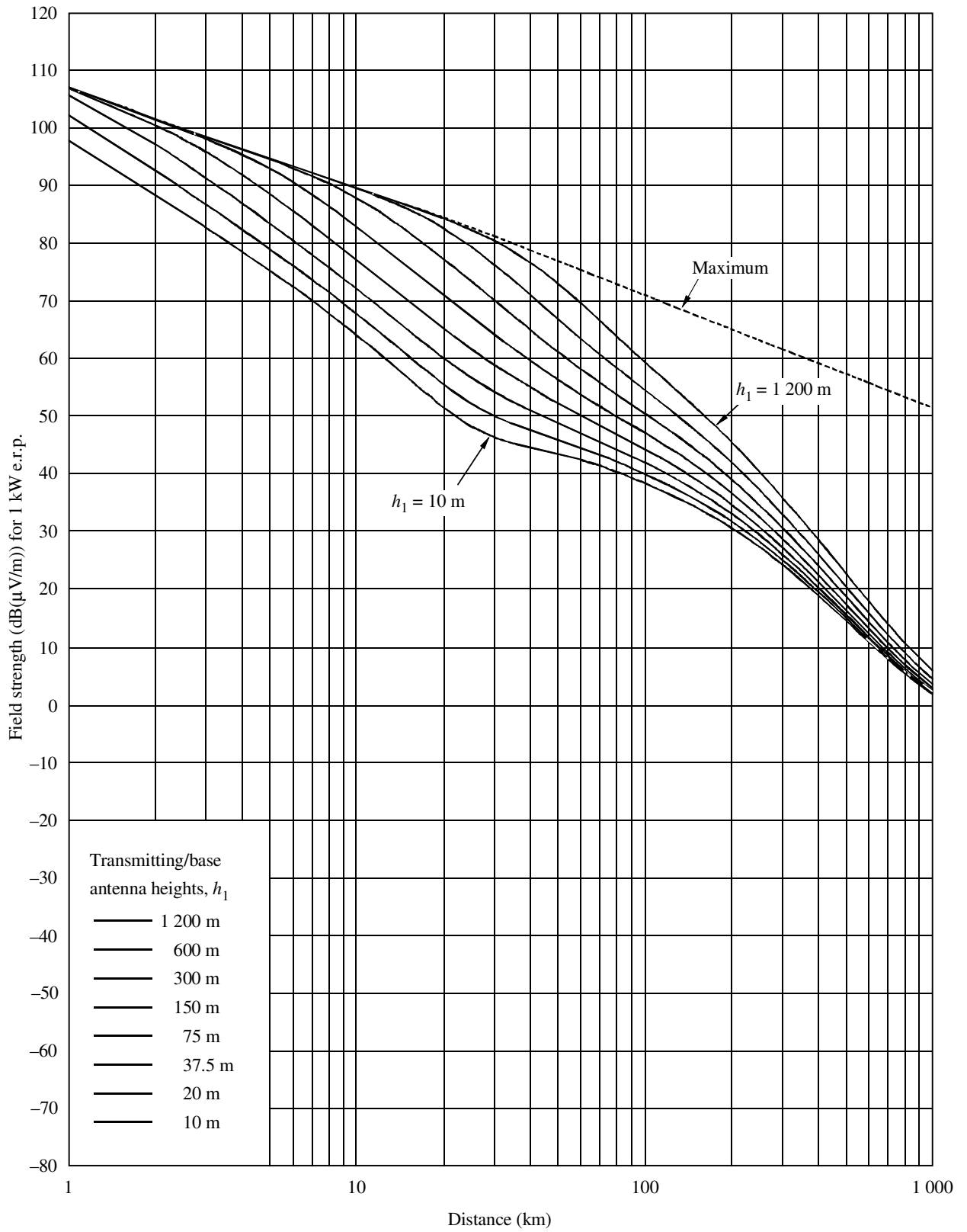
1546-06

FIGURE 7
100 MHz, warm sea path, 10% time



50% of locations
 $h_2 = 10$ m

FIGURE 8
100 MHz, warm sea path, 1% time

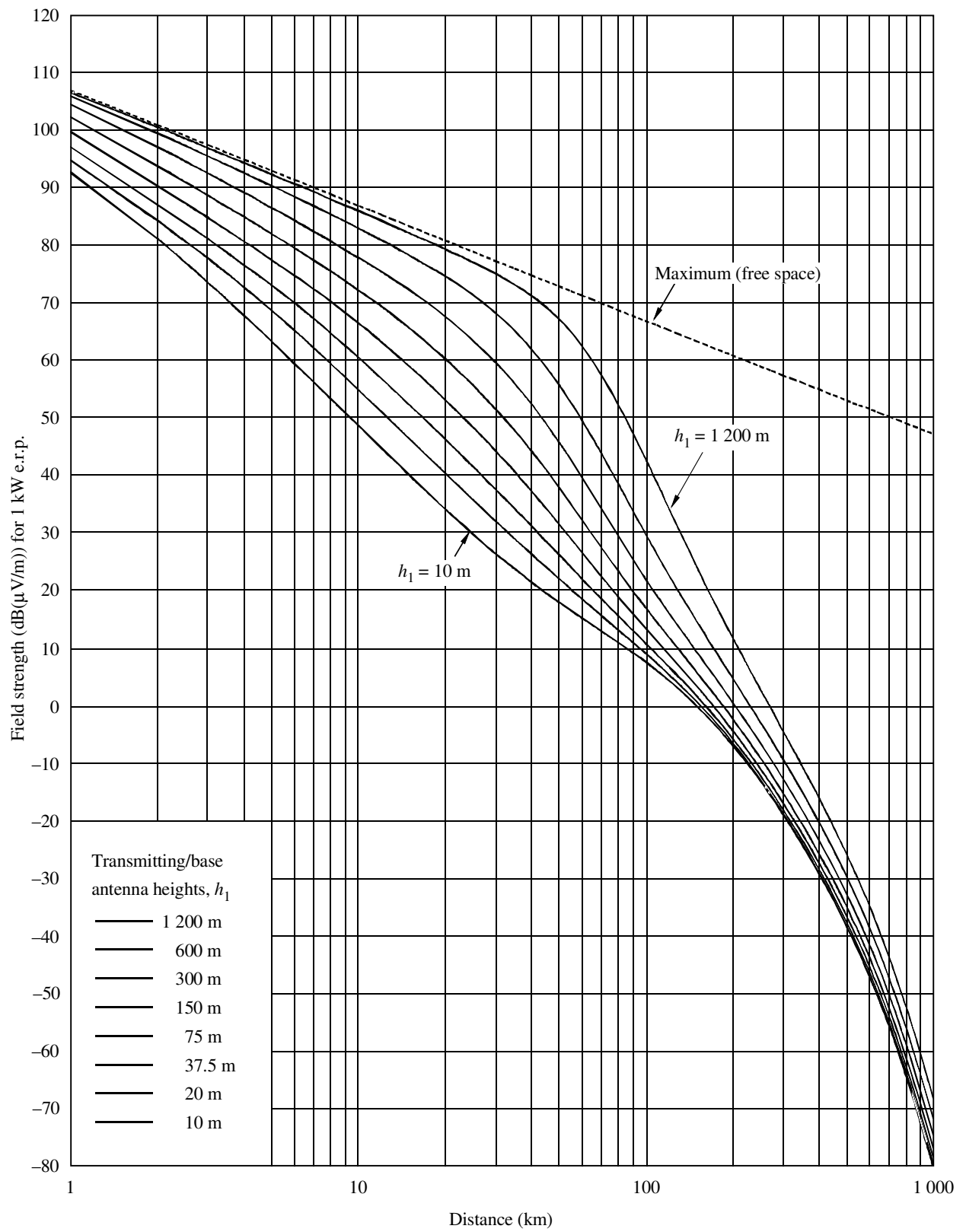


50% of locations

$h_2 = 10$ m

1546-08

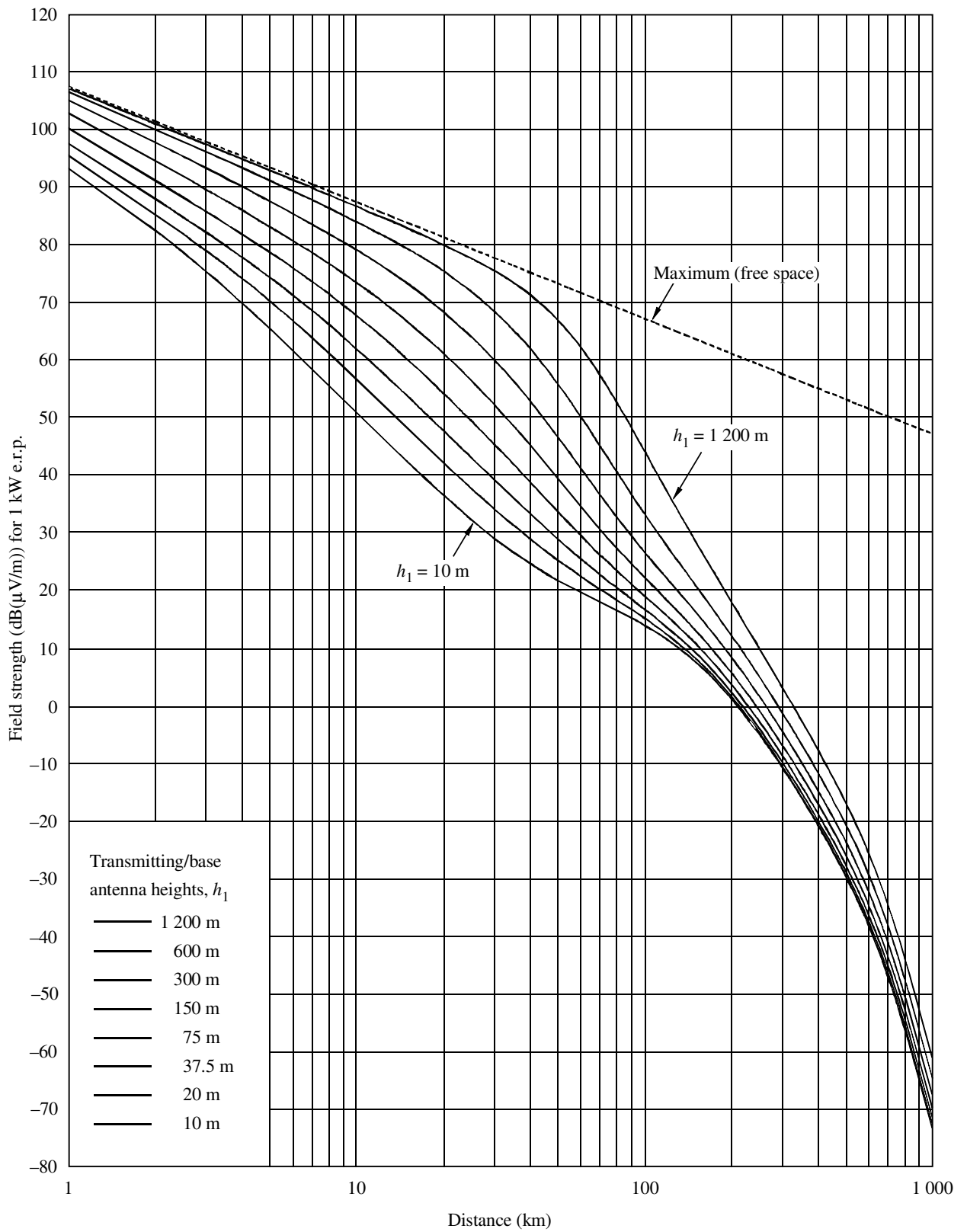
FIGURE 9
600 MHz, land path, 50% time



50% of locations

h_2 : representative clutter height

FIGURE 10
600 MHz, land path, 10% time

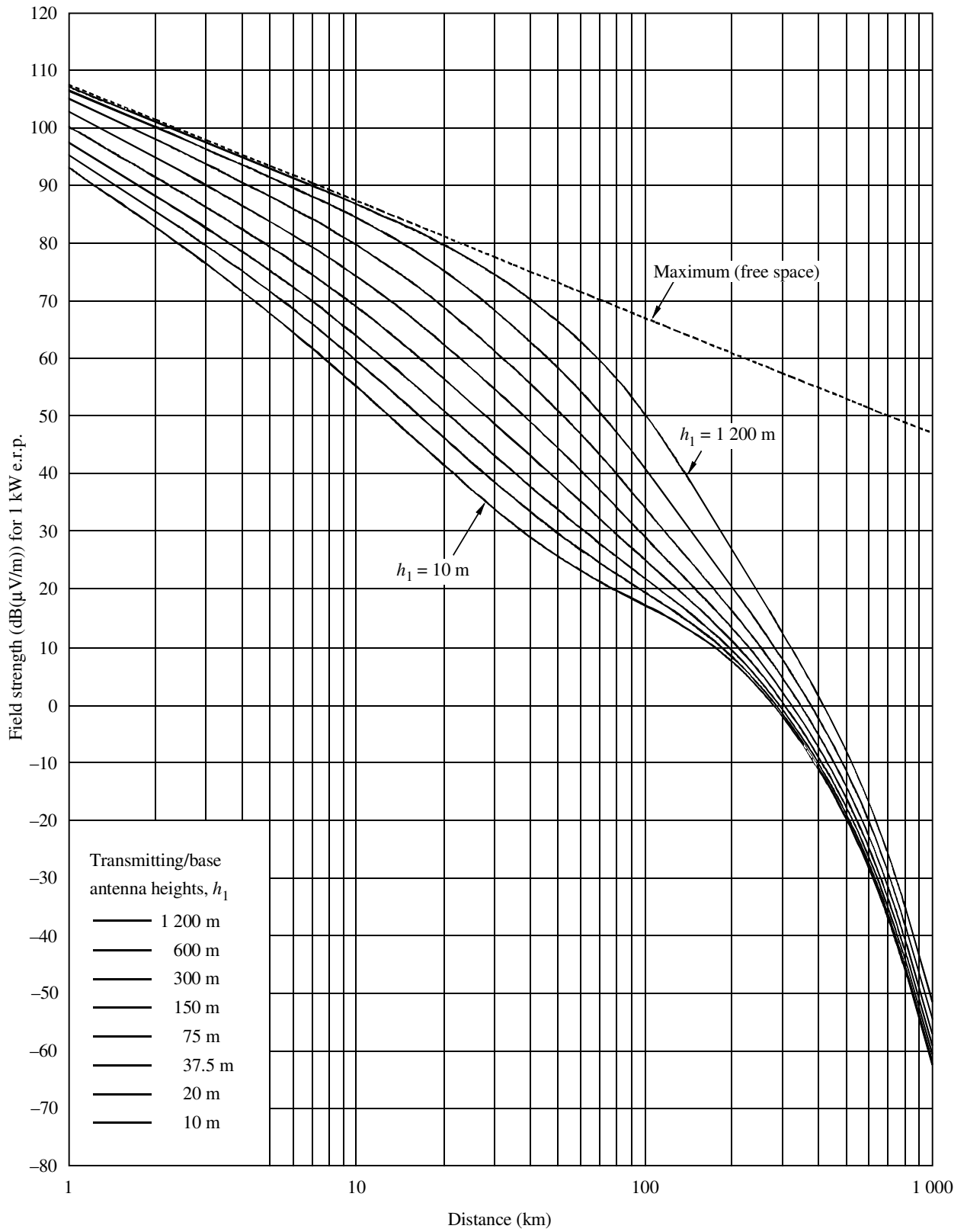


50% of locations

h_2 : representative clutter height

1546-10

FIGURE 11
600 MHz, land path, 1% time

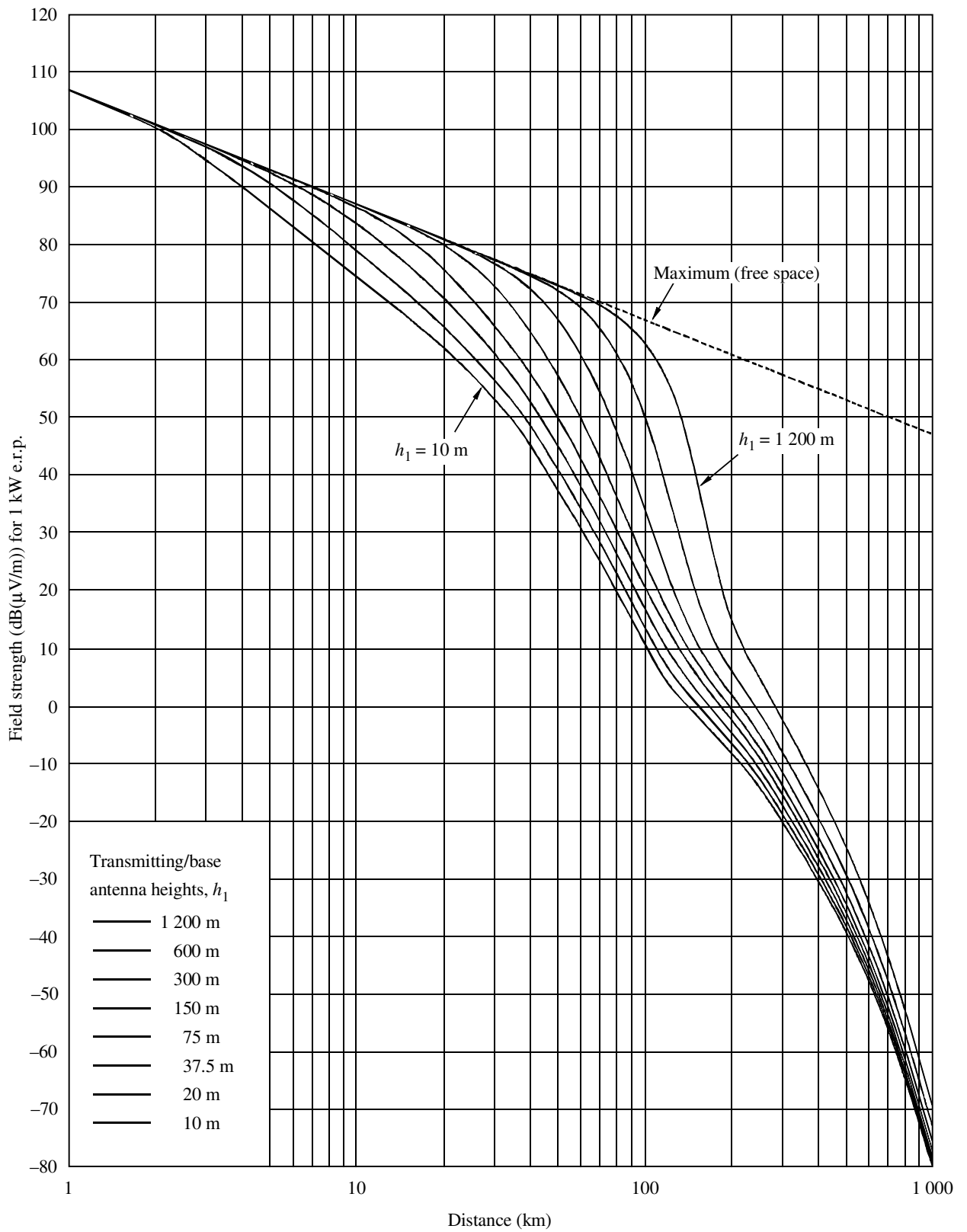


50% of locations

h_2 : representative clutter height

1546-11

FIGURE 12
600 MHz, sea path, 50% time

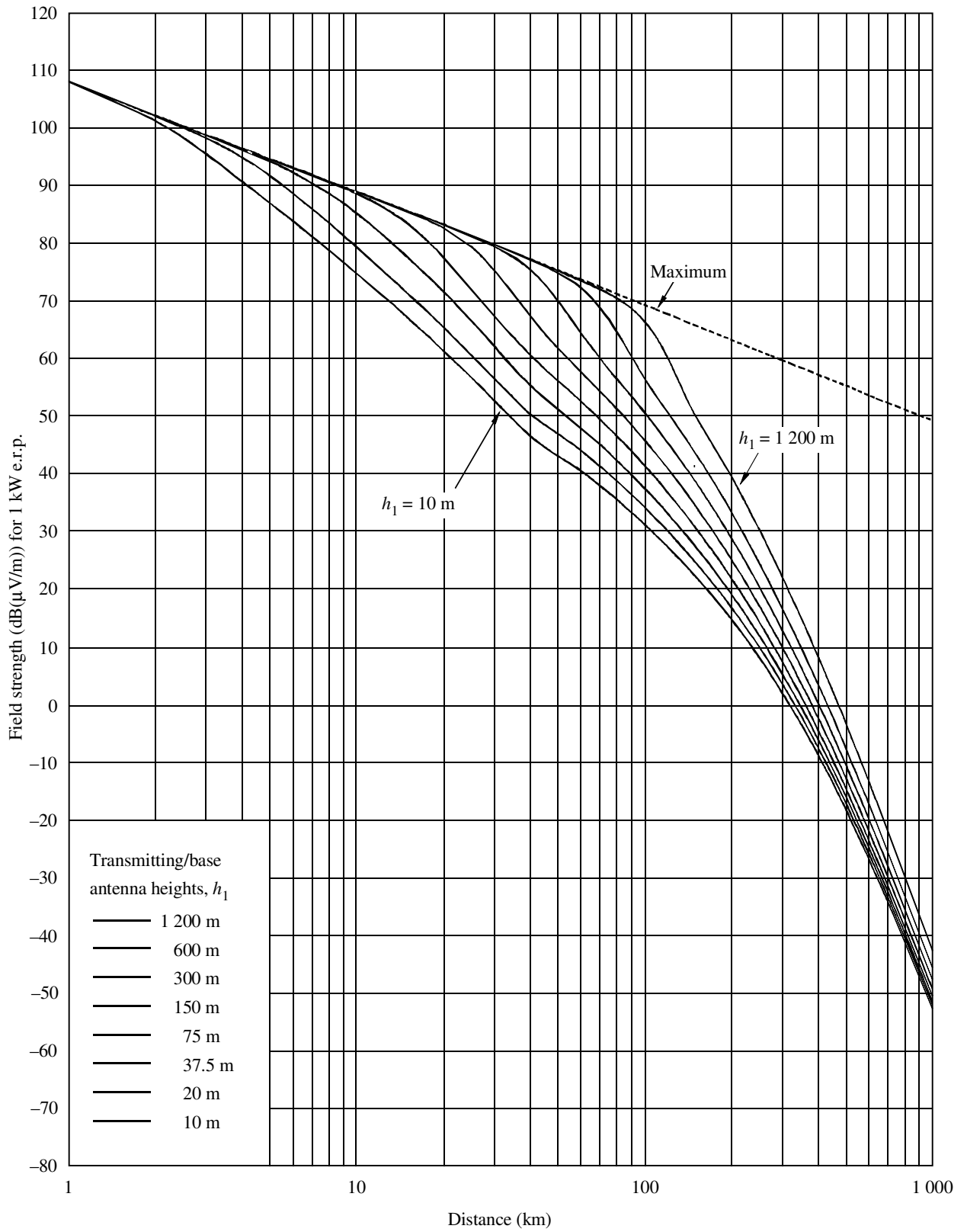


50% of locations

$h_2 = 10$ m

1546-12

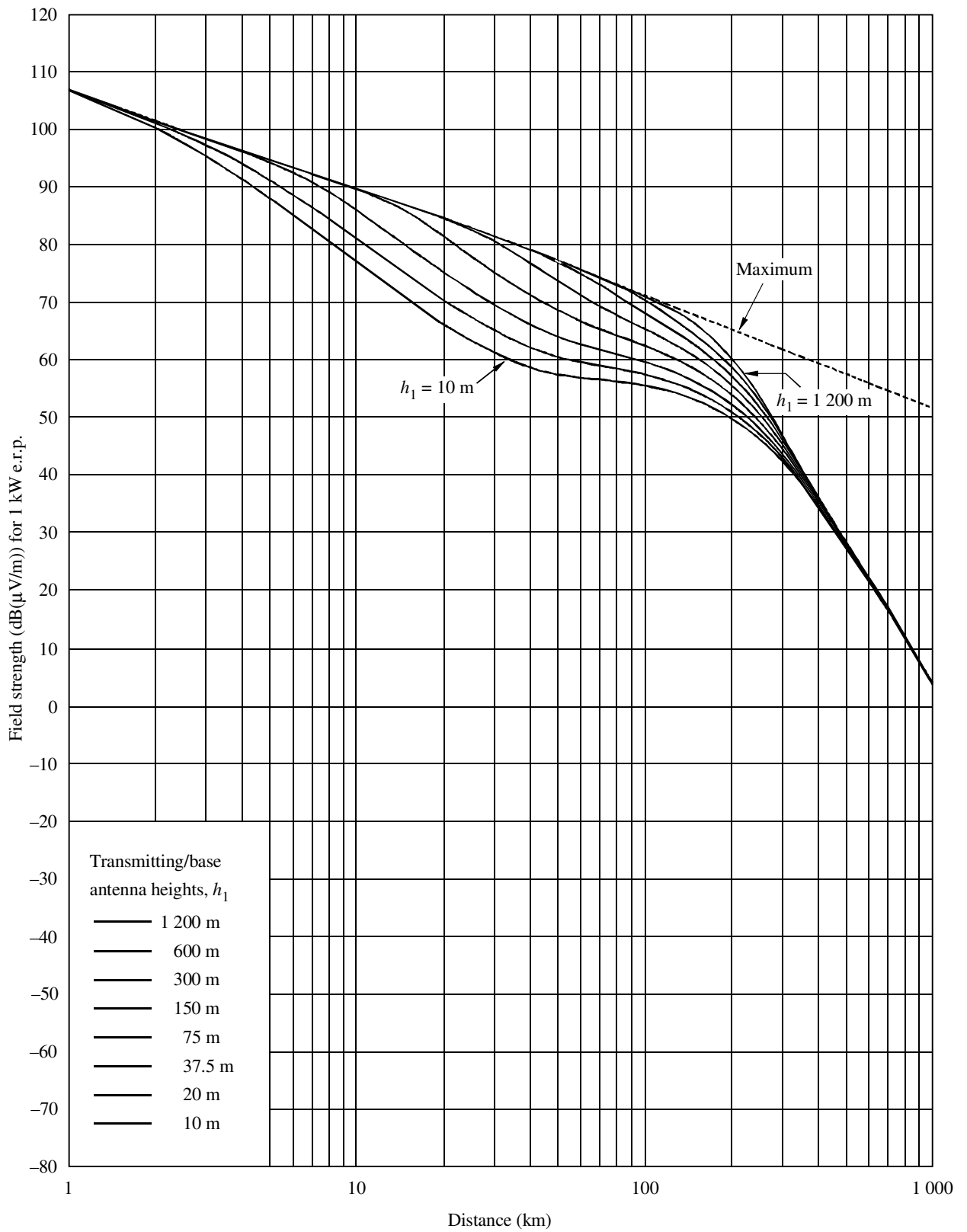
FIGURE 13
600 MHz, cold sea path, 10% time



50% of locations

$h_2 = 10$ m

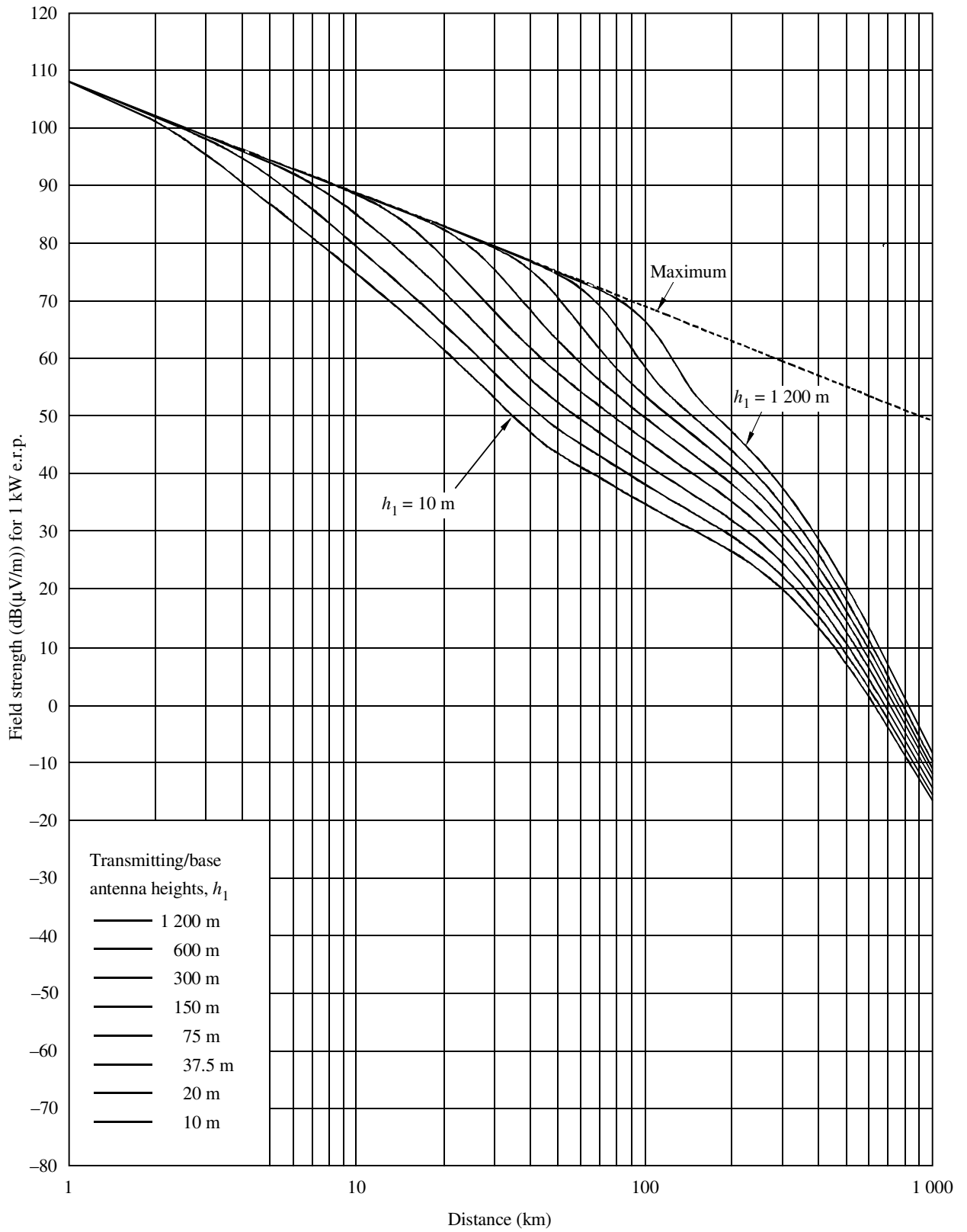
FIGURE 14
600 MHz, cold sea path, 1% time



50% of locations

$h_2 = 10$ m

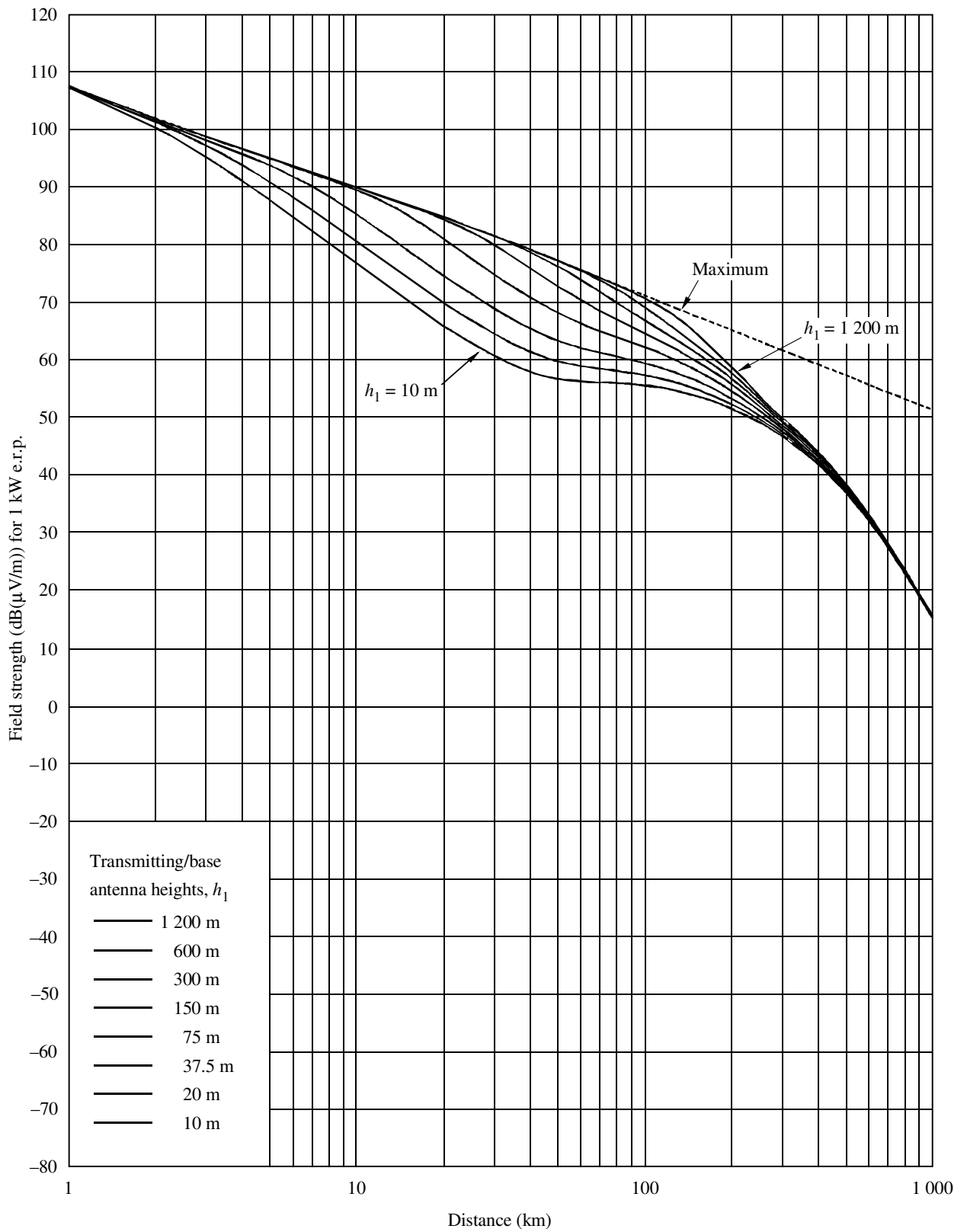
FIGURE 15
600 MHz, warm sea path, 10% time



50% of locations

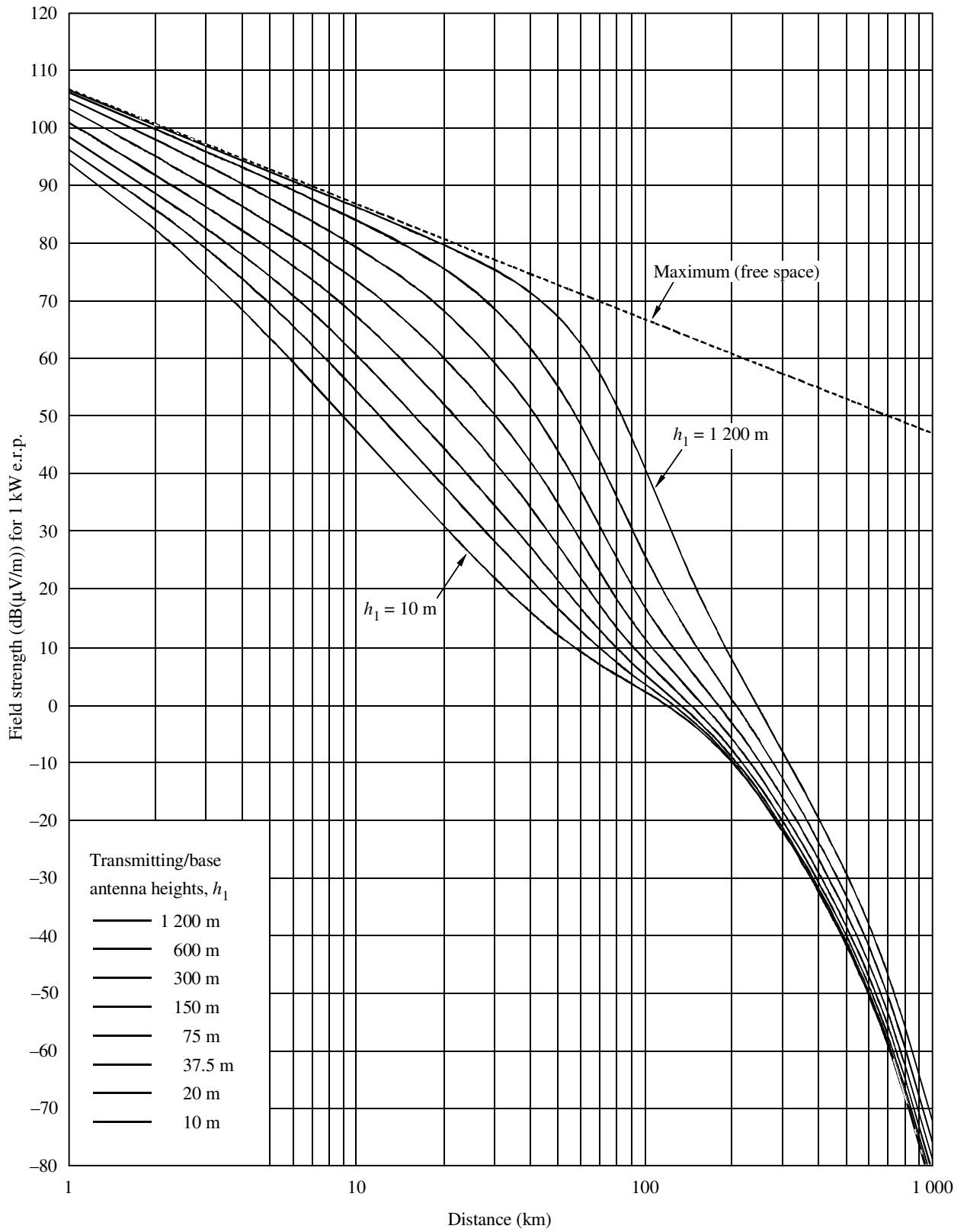
$h_2 = 10$ m

FIGURE 16
600 MHz, warm sea path, 1% time



50% of locations
 $h_2 = 10\text{ m}$

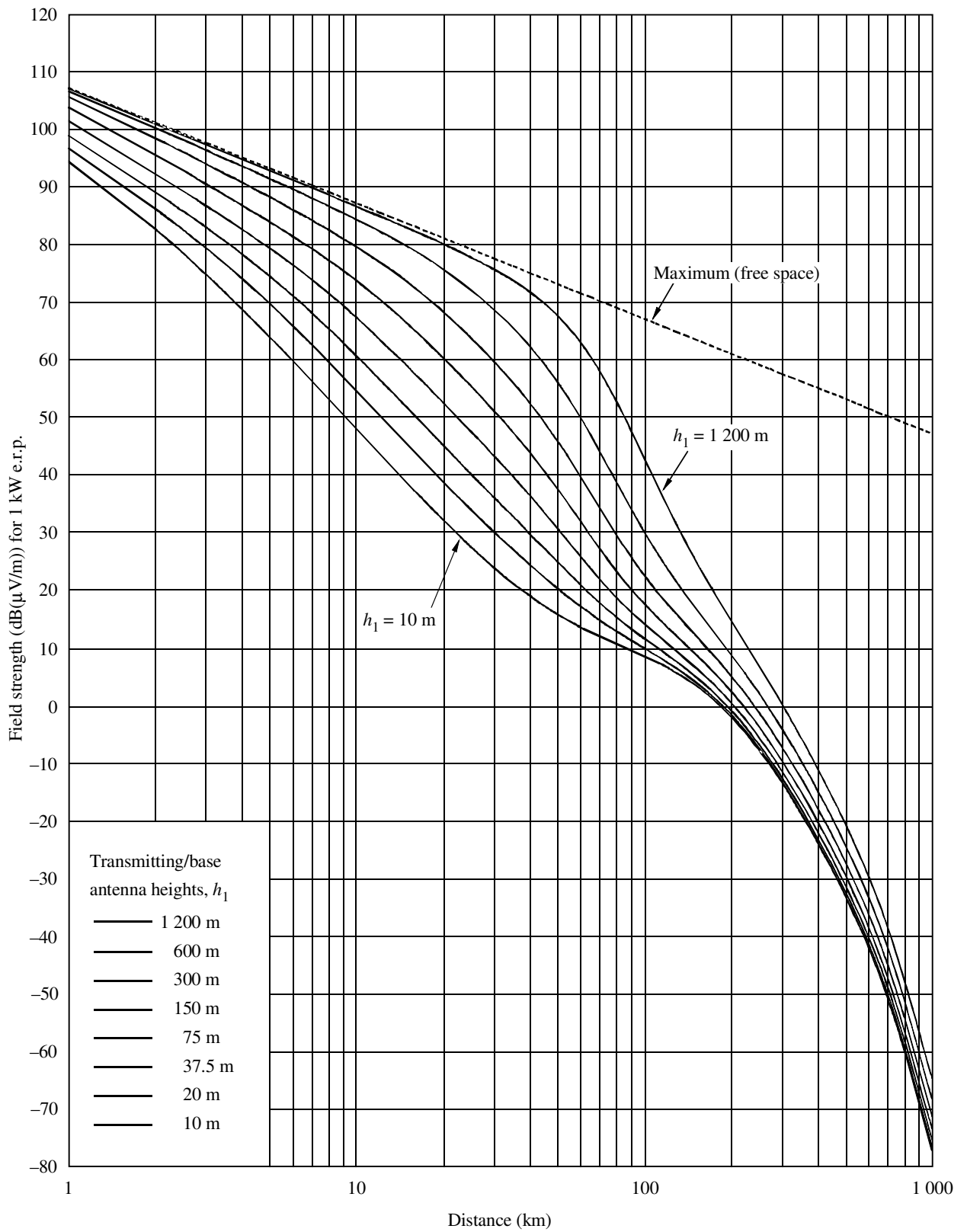
FIGURE 17
2 000 MHz, land path, 50% time



50% of locations

h_2 : representative clutter height

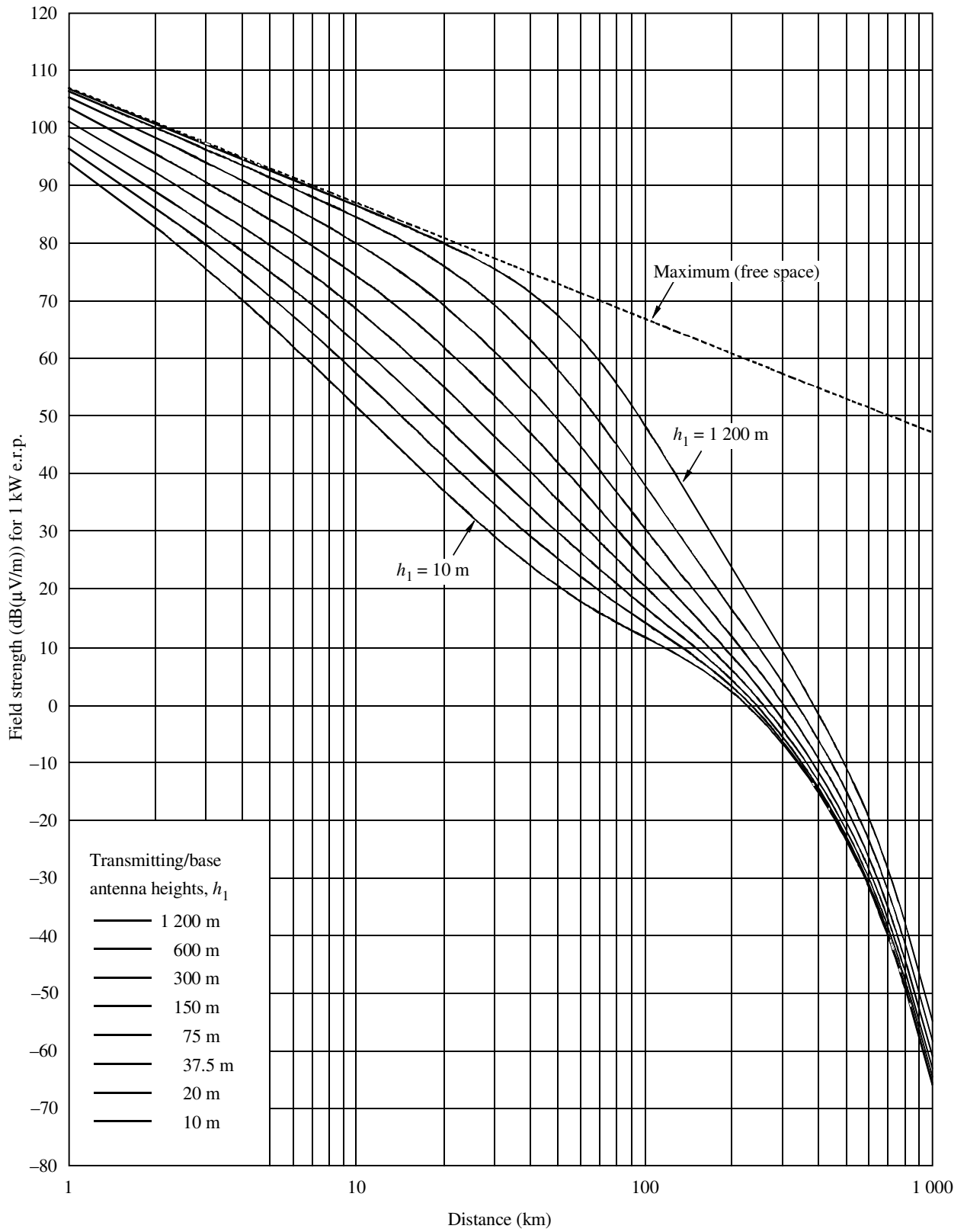
FIGURE 18
2 000 MHz, land path, 10% time



50% of locations

h_2 : representative clutter height

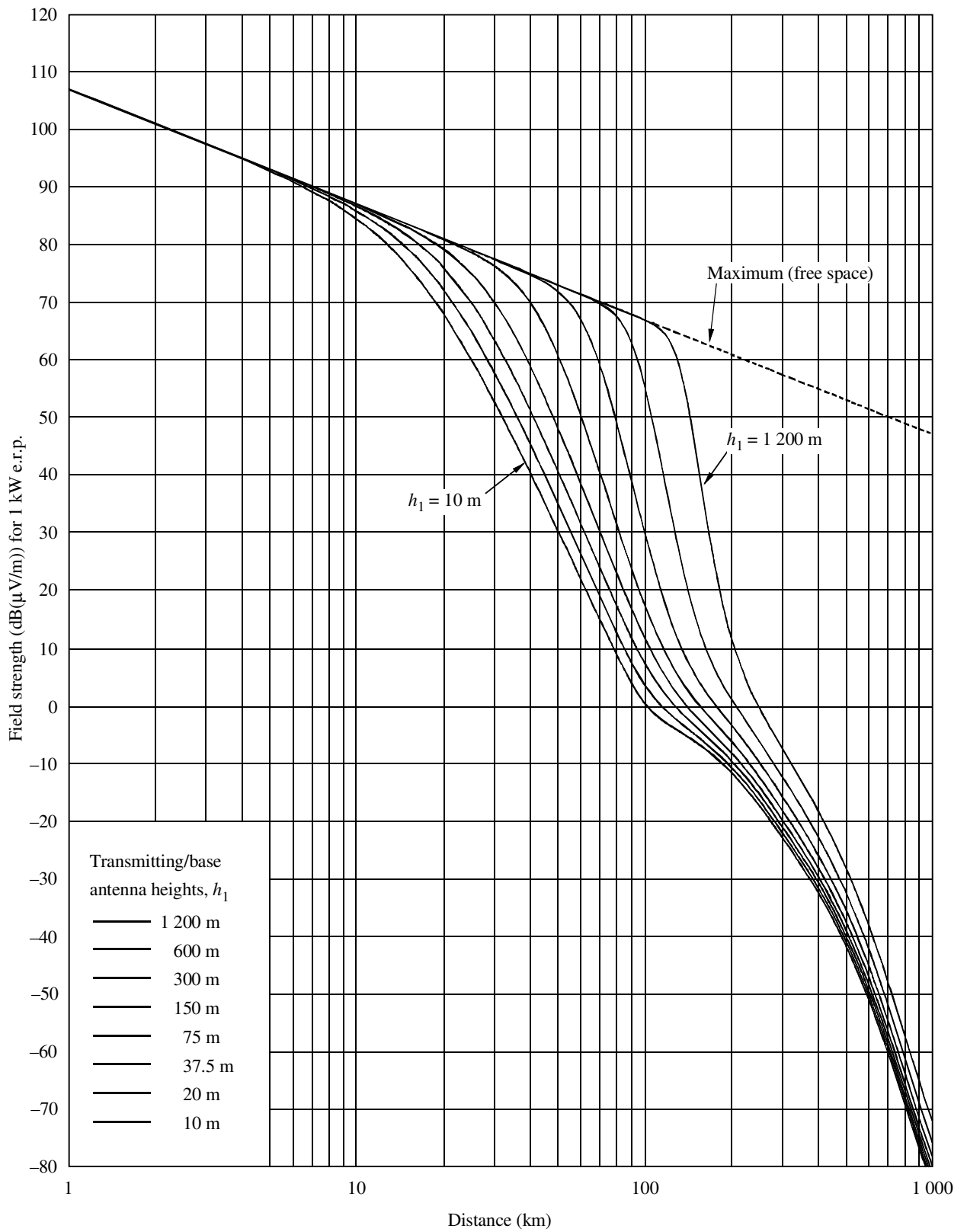
FIGURE 19
2 000 MHz, land path, 1% time



50% of locations

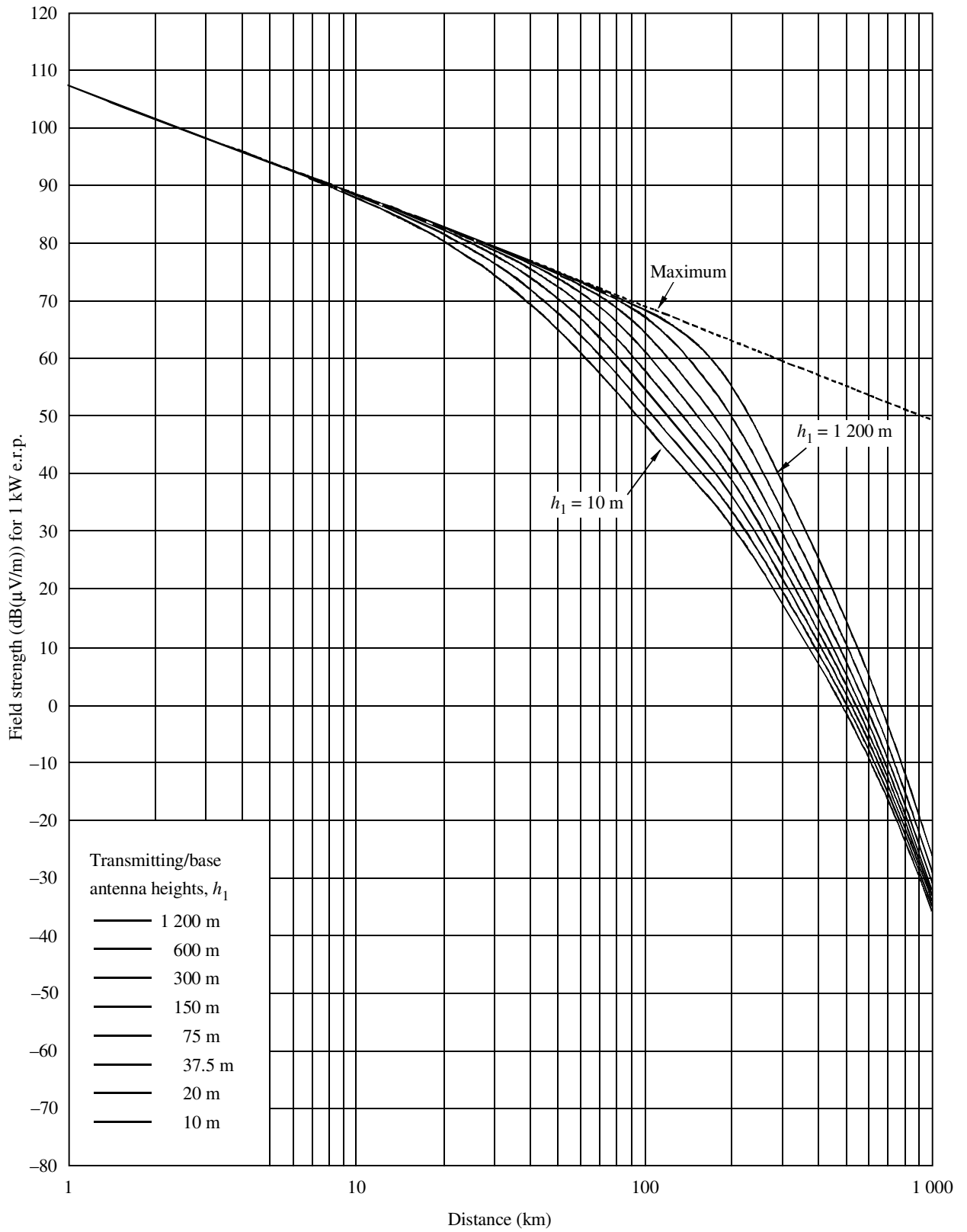
h_2 : representative clutter height

FIGURE 20
2 000 MHz, sea path, 50% time



50% of locations
 $h_2 = 10$ m

FIGURE 21
2 000 MHz, cold sea path, 10% time

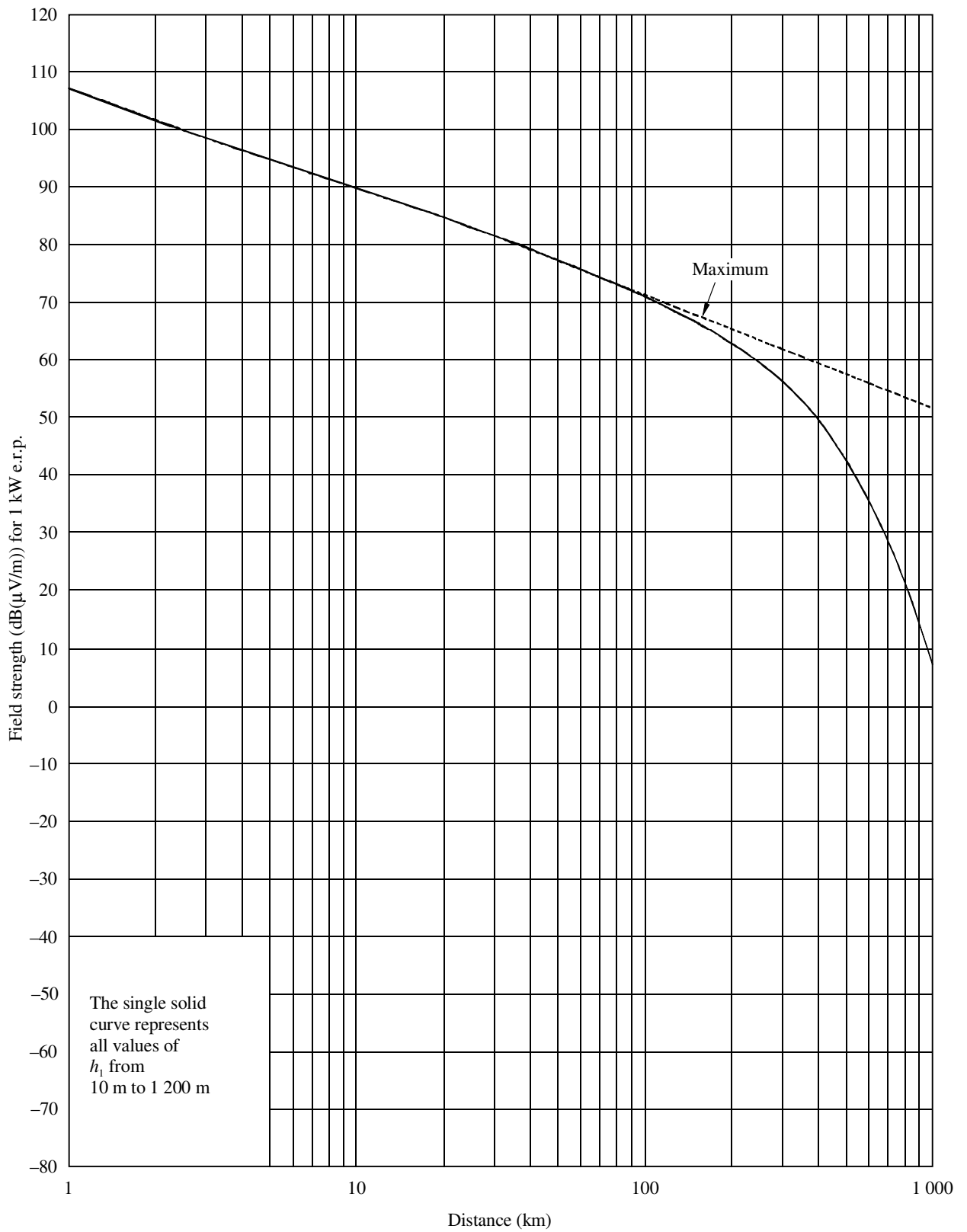


50% of locations

$h_2 = 10$ m

1546-21

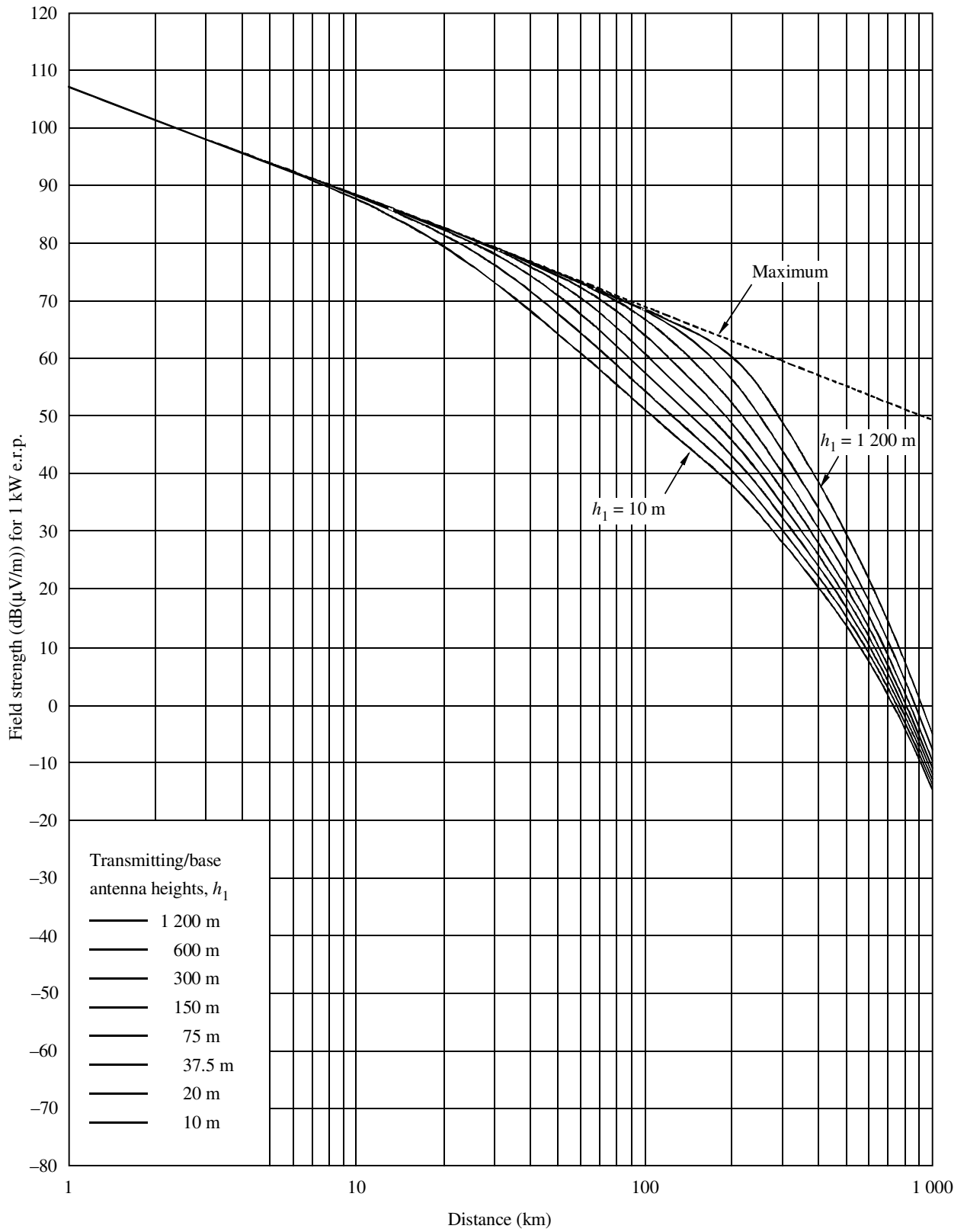
FIGURE 22
2 000 MHz, cold sea path, 1% time



50% of locations

$h_2 = 10$ m

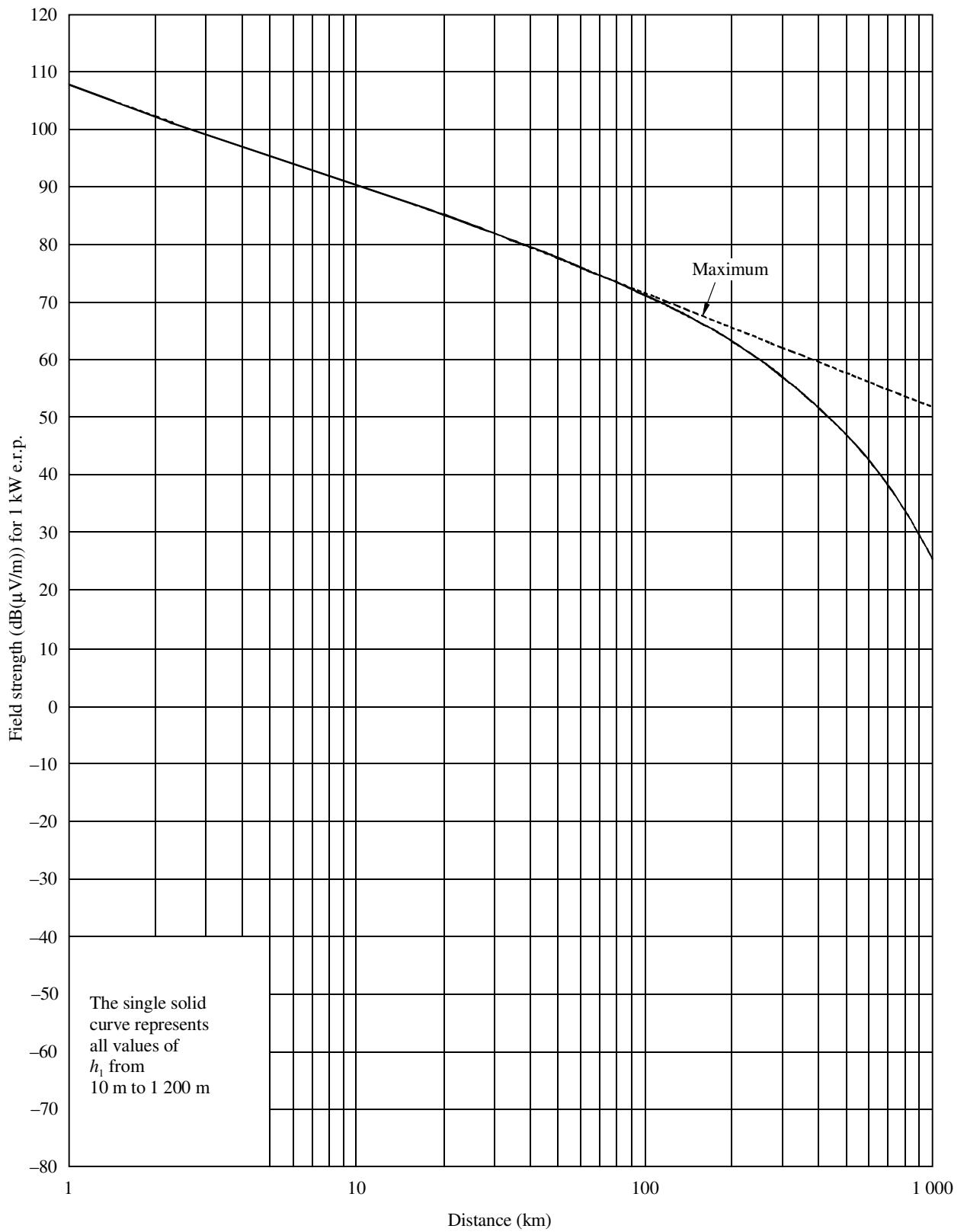
FIGURE 23
2 000 MHz, warm sea path, 10% time



50% of locations

$h_2 = 10$ m

FIGURE 24
2 000 MHz, warm sea path, 1% time



50% of locations
 $h_2 = 10$ m