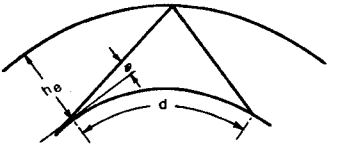
# ANGLES OF DEPARTURE
# VERSUS
# TRANSMISSION RANGE

1 for use in computing 50% signals

2 and 3 for use in computing 10% signals




$$\theta^\circ = \tan^{-1}\left(k_n \cot\frac{d}{444.54}\right) - \frac{d}{444.54}$$

where: $k_1 = 0.00752$ ($h_e = 96.56$ km)
$k_2 = 0.00938$ ($h_e = 120.70$ km)
$k_3 = 0.00565$ ($h_e = 72.42$ km)

Distance In Kilometers

0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400

90 80 70 60 50 40 30 20 10 0

Departure Angle in Degrees

FCC §73.190 FIGURE 6a

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