ANGLES OF DEPARTURE
VERSUS
TRANSMISSION RANGE

1 for use in computing 50% signals
2 and 3 for use in computing 10% signals

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

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)