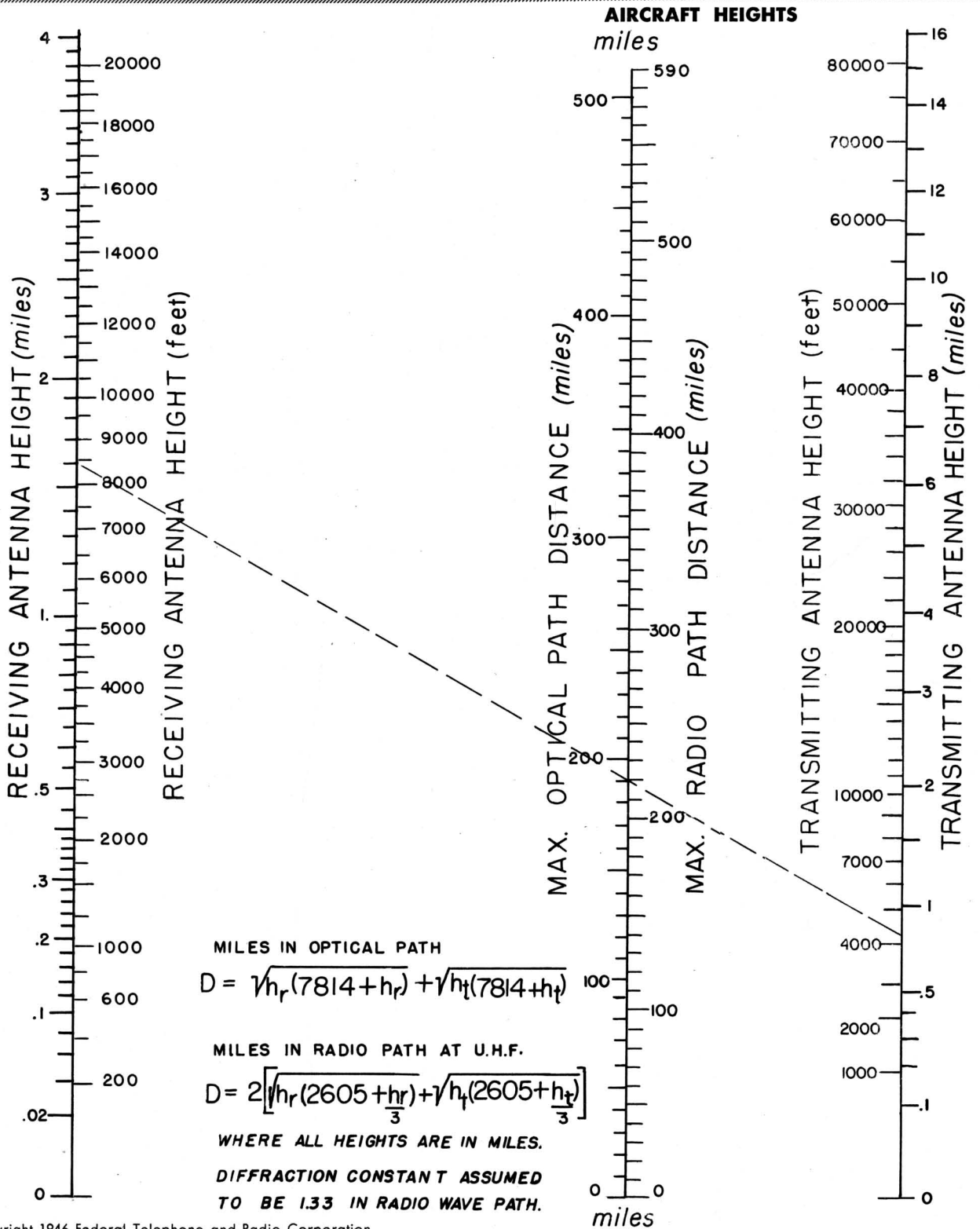




Technical data

U-H-F PATH & OPTICAL LINE-OF-SIGHT DISTANCE



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**U-H-F PATH & OPTICAL LINE-OF-SIGHT DISTANCE
AIRCRAFT HEIGHTS**

The theoretical maximum optical path between two air-planes is given where a line connecting on the outer scales representing their heights intersects the center **LINE-OF-SIGHT** scale. Atmospheric diffraction increases this path for radio waves, an amount approximately equal to $2\sqrt{3}$ as indicated on the center **RADIO PATH** scale.

Example shown: $H_r = 1.6$ miles (8,450 feet), $H_t = 0.8$ mile (4,250 feet). Radio path length 190 miles.