

## RECOMMENDATION ITU-R BS.599\*

**Directivity of antennas for the reception of  
sound broadcasting in band 8 (VHF)**

(1963-1982)

The ITU Radiocommunication Assembly,

*recommends*

that the characteristics of directivity of the receiving antennas of Fig. 1 can be used for planning sound broadcasting in band 8 (VHF). However, for portable or mobile reception of sound broadcasts, no directivity of the reception antenna should be applied in planning.

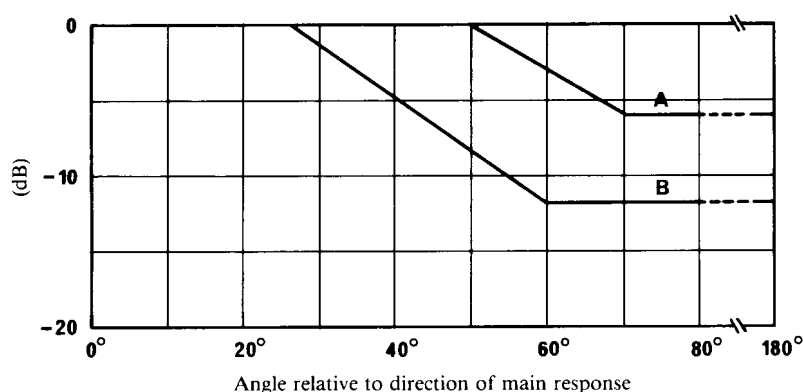


FIGURE 1 – Discrimination obtained by the use of directional receiving antennas

Curves A: monophonic-sound broadcasting  
B: stereophonic-sound broadcasting

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NOTE 1 – It is considered that the discrimination shown will be available at the majority of antenna locations in built-up areas. At clear sites in open country, slightly higher values will be obtained.

NOTE 2 – The curves in Fig. 1 are valid for signals of vertical or horizontal polarization, when both the wanted and the unwanted signals have the same polarization.

NOTE 3 – The Special Regional Conference (Geneva, 1960) and the European VHF/UHF Broadcasting Conference (Stockholm, 1961) and the African VHF/UHF Broadcasting Conference (Geneva, 1963) did not take the directional characteristics of antennas into consideration for sound broadcasting.

\* Radiocommunication Study Group 6 made editorial amendments to this Recommendation in 2002 in accordance with Resolution ITU-R 44.