

RECOMMENDATION 506

**Relating to the harmonics of the fundamental frequency of
broadcasting-satellite stations¹**

The World Administrative Radio Conference (Geneva, 1979),

considering

- a) that the frequency band 23.6-24 GHz is allocated to the radio astronomy service on a primary basis;
- b) that the second harmonic of the fundamental frequency of broadcasting-satellite stations operating within the band 11.8-12 GHz may seriously disturb radio astronomy observations in the band 23.6-24 GHz if effective steps are not taken to reduce the level of this harmonic,

in view of

the provisions of No. **3.8**,

recommends

that, when defining the characteristics of their space stations operating in the broadcasting-satellite service, particularly within the band 11.8-12 GHz, administrations take all necessary steps to reduce the level of the second harmonic below the values indicated in the relevant ITU-R Recommendations.

¹ WRC-97 made editorial amendments to this Recommendation.