

RECOMMENDATION ITU-R BS.467*

**Technical characteristics to be checked for
frequency-modulation stereophonic broadcasting****Pilot-tone system**

(1970)

The ITU Radiocommunication Assembly,

recommends

1 that during programme transmission instruments should indicate the percentage of peak-modulation in the main carrier by the following:

- 1.1** the main channel, *M*;
- 1.2** the stereophonic sub-carrier, *S*;
- 1.3** the pilot signal;
- 1.4** all signals specified in Recommendation ITU-R BS.450, simultaneously;

2 that in addition, the following characteristics should be measured during periods of test and adjustment:

- 2.1** the frequency response of the *M* and individual *A* and *B* channels;
- 2.2** harmonic distortion in the individual *A* and *B* channels;
- 2.3** the signal-to-noise ratio in the individual *A* and *B* channels;
- 2.4** the crosstalk attenuation between the *A* and *B* channels;
- 2.5** the crosstalk from the main channel, *M*, into the stereophonic sub-channel, *S*, and from the stereophonic sub-channel, *S* into the main channel;
- 2.6** the frequency of the pilot signal;
- 2.7** the degree of suppression of the sub-carrier;
- 2.8** the phase of the sub-carrier relative to the pilot signal;
- 2.9** the total unintentional amplitude-modulation of the main carrier.

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