Question itu-r 251/7[[1]](#footnote-1)\*

Ground-based passive sensors

(2010)

The ITU Radiocommunication Assembly,

considering

*a)* that ground-based passive sensing is becoming increasingly important in the observation and monitoring of the Earth environment and phenomena affecting it;

*b)* that these observations are made from platforms that may be ground-based, or from airborne platforms flown on balloons or aircraft;

*c)* that RR No. **5.563A** specifically addresses ground-based passive atmospheric sensing,

noting

*a)* that the definition of the Earth exploration-satellite service (EESS) in RR No. **1.51** indicates that information is collected from airborne or Earth-based platforms;

*b)* that ground-based passive sensing is currently operated largely in frequency bands allocated to either EESS (passive) or radio astronomy,

decides that the following Questions should be studied

**1** What are the main types of ground-based passive observations and what are their main applications?

**2** What are the technical characteristics, operational and protection requirements of the ground-based passive sensing stations used to make these observations?

**3** What are the frequency bands in which these measurements are made?

further decides

**1** that the results of the above studies should be included in one or more Recommendation(s) and/or Report(s) as appropriate;

**2** that the above studies should be completed by the year 2027.

Category: S2

1. \* This Question should be brought to the attention of the World Meteorological Organization (WMO). [↑](#footnote-ref-1)