QUESTION ITU-R 232/1[[1]](#footnote-1)\*, [[2]](#footnote-2)\*\*

Methods and techniques used in space radio monitoring

(2006)

The ITU Radiocommunication Assembly,

considering

*a)* that orbital slots for geostationary satellites are a valuable and scarce resource;

*b)* that a knowledge of the operational status of geostationary satellites recorded in the Master International Frequency Register is useful to spectrum management both in developed and developing countries;

*c)* that Recommendation ITU-R SM.1050 defines the tasks of a monitoring service;

*d)* the necessity to locate and eliminate the harmful interference to and from space stations;

*e)* that several monitoring earth stations already exist in various parts of the world and are capable of collecting data relating to radiated emissions from space stations and the necessity to cooperate between these stations;

*f)* that ITU-R Recommendations have been developed based on reported data and standard information exchanging format of monitoring, but lacking description on measurement methods and techniques used in monitoring of emissions from space stations;

*g)* that the monitoring of emissions from terrestrial stations and space stations are different in terms of technique and method,

decides that the following Questions should be studied

1 What methods, techniques, procedures and measuring equipments are appropriate for
the measurement of emission from both GSO and non-GSO space stations?

2 What methods, techniques, procedures and measuring equipments are appropriate for the measurement of emission from earth stations to both GSO and non-GSO space stations?

further decides

1 that the results of the above studies shall be included in (a) Recommendation(s) and/or Report;

2 that the above studies should be completed by 2027.

Category: S2

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1. \* This Question should be brought to the attention of Radiocommunication Study Groups 3, 4, 5, 6 and 7. [↑](#footnote-ref-1)
2. \*\* In the years 2018, 2019 and 2023, Radiocommunication Study Group 1 extended the completion date of studies for this Question. [↑](#footnote-ref-2)