Question ITU-R 221-2/1[[1]](#footnote-1)

Compatibility between radiocommunication systems and high data rate telecommunication systems using wired electrical power supply

(2000-2007-2011)

The ITU Radiocommunication Assembly,

considering

a) that electricity power supply continues to be used for low data rate telemetry or control purposes in LF bands;

b) that electricity power supply is generally not designed or installed in such a way that RF radiation will be minimised;

c) that new telecommunication systems are being designed which will operate with data rates up to 1 Gbit/s, with carrier frequencies in the HF, VHF and UHF bands;

d) that any radiation from such systems may affect the use of radiocommunication systems, particularly at LF, MF, HF, VHF and UHF,

decides that the following Question shall be studied

**1** What are the acceptable levels of radiation from telecommunication systems utilising wired electrical power supply so as not to impair the performance of radiocommunication systems?

further decides

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

**2** that the studies should be completed by 2023.

Category: S2

1. In the years 2017 and 2019, Radiocommunication Study Group 1 extended the completion date of studies for this Question, and in the year 2019, Radiocommunication Study Group 1 also changed the category. [↑](#footnote-ref-1)