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

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 2027.

Category: S2

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1. In the years 2017, 2019 and 2023, 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)