

RECOMMENDATION 63 (REV.WRC-19)

**Relating to the provision of formulae and examples for
the calculation of necessary bandwidths**

The World Radiocommunication Conference (Sharm el-Sheikh, 2019),

considering

- a)* that Appendix 1, Section I requires that the necessary bandwidth be part of the full designation of emissions;
- b)* that Recommendation ITU-R SM.1138, gives a partial list of examples and formulae for the calculation of the necessary bandwidth of some typical emissions;
- c)* that sufficient information is not available for the determination of the *K*-factors used throughout the table of examples of the necessary bandwidth in Recommendation ITU-R SM.1138;
- d)* that, especially with regard to the efficient utilization of the radio-frequency spectrum, monitoring and the notification of emissions, it is required that necessary bandwidths for the individual classes of emission be known;
- e)* that for reasons of simplification and international uniformity it is desirable that measurements for determining the necessary bandwidth be made as seldom as possible,

recommends that ITU-R

- 1 provide, from time to time, additional formulae for the determination of necessary bandwidth for common classes of emission, as well as examples to supplement those given in Recommendation ITU-R SM.1138;
- 2 study and provide values of supplementary *K*-factors required for the calculation of the necessary bandwidth for common classes of emission,

invites the Radiocommunication Bureau

to publish examples of such calculations in the Preface to the International Frequency Information Circular (BR IFIC).