

## RECOMMENDATION 75 (REV.WRC-15)

**Study of the boundary between the out-of-band and spurious domains of primary radars using magnetrons**

The World Radiocommunication Conference (Geneva, 2015),

*considering*

- a)* that the principal objective of Appendix 3 is to specify the maximum permitted level of unwanted emissions in the spurious domain;
- b)* that the out-of-band and spurious domains of an emission are defined in Article 1;
- c)* that Recommendation ITU-R SM.1541 specifies the boundary between the out-of-band and spurious domains for primary radars, and that the boundary is related to the emission mask based on the –40 dB bandwidth;
- d)* that Appendix 3 refers to Recommendation ITU-R SM.1541;
- e)* that Recommendation ITU-R M.1177 describes the techniques for measurement of unwanted emissions of radars,

*recognizing*

that there is a possibility that calculated values for the –40 dB bandwidth related to unwanted emissions of primary radars using magnetrons underestimate the actual bandwidth,

*recommends*

that ITU-R study calculation methods for the –40 dB bandwidth necessary for the determination of the boundary between the spurious and out-of-band domains of primary radars using magnetrons,

*invites administrations*

to participate actively in the above studies by submitting contributions to ITU-R.