

## RECOMMENDATION ITU-R RS.516-1\* \*\*

**FEASIBILITY OF SHARING BETWEEN ACTIVE SENSORS USED ON EARTH EXPLORATION  
AND METEOROLOGICAL SATELLITES AND THE RADIOLOCATION SERVICE**

(Question ITU-R 140/7)

(1978-1994)

The ITU Radiocommunication Assembly,

*considering*

- a) that, in certain frequency bands, spaceborne active microwave sensors can provide unique information on physical properties of the Earth;
- b) that spaceborne active microwave sensors currently used are radars radiating, in general, very short bursts of microwave energy;
- c) that existing and planned spaceborne active microwave sensors have operating characteristics similar to those of terrestrial and airborne radars;
- d) that terrestrial and airborne radars share common frequency bands;
- e) that studies have shown sharing between some spaceborne active microwave sensors and terrestrial radars to be feasible,

*recommends*

1. that sharing be considered to be feasible, in general, between the radiolocation service and the Earth exploration and meteorological-satellite services (active sensing).

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\* This Recommendation should be brought to the attention of Radiocommunication Study Group 8.

\*\* Radiocommunication Study Group 7 made editorial amendments to this Recommendation.