

Recommendation T/R 22-04 (Lisbon 1991)

HARMONISATION OF FREQUENCY BANDS FOR ROAD TRANSPORT INFORMATION SYSTEMS (RTI)

Recommendation proposed by the "Frequency Management" Working Group T/WG 18 (FM)

Text of the Recommendation adopted by the "European Radiocommunications Committee" (ERC):

"The European Conference of Postal and Telecommunications Administrations,

considering that

- a) within Europe there is increasing interest in the development of a fully Integrated Road Transport Environment to improve all aspects of road transport,
- b) many of the proposals require reliable communications links for various road traffic information applications,
- c) these links may use infra-red or radio-based technology,
- d) radio-based systems will require harmonised frequency bands. Including:
 - a frequency band in the range 1-10 GHz for initial road-to-vehicle systems
 - a millimetric band for high data rate vehicle-to-vehicle systems
 - a millimetric band for vehicular radar systems,

noting that

1. with careful design, RTI systems would be capable of frequency sharing with other systems and services e.g. short range systems, certain radiolocation systems, the fixed and fixed-satellite service and ISM,
2. for RTI applications below 10 GHz, 10 MHz will be required, with a possible extension of 10 MHz on a national basis,
3. CEPT Recommendation T/R 22-03 E designates the band 63-64 GHz for RTI applications,
4. the frequency band 76-81 GHz is allocated internationally on a primary basis to the radiolocation service,

recommends that

1. CEPT Administrations should designate the band 5.795-5.805 GHz for initial road-to-vehicle systems, in particular road toll systems, with a maximum e.i.r.p. of 3 dBW,
2. an additional sub-band (5.805-5.815 GHz) may be used on a national basis to meet the requirements of multi-lane road junctions,
3. all vehicle-to-vehicle RTI communications links should be developed in the band 63-64 GHz,
4. vehicular radar systems should be developed in the band 76-77 GHz,
5. in the development of RTI equipment, special attention should be given to compatibility with the equipment of other services."