

Recommendation T/R 25-05 (Nice 1985)

**PLANNING AND COORDINATION OF THE LAND MOBILE SERVICES OPERATING
IN THE BANDS 174-230 MHz (TELEVISION BAND III)**

Recommendation proposed by the "Radiocommunications" Working Group T/WG 3 (R)

Text of the Recommendation adopted by the "Telecommunications" Commission:

"The European Conference of Postal and Telecommunications Administrations,

considering

- (a) that development of the land mobile service in the band 174-230 MHz has recently commenced,
- (b) that it is desirable that channelling arrangements for the land mobile services in the member countries of the CEPT should be harmonised,
- (c) that such arrangements will help relieve difficulties of coordination, in particular in frontier areas, and thereby minimise delays in reaching agreement on assignments in those geographical areas,
- (d) that, where possible, uniform frequencies should be assigned in all the CEPT countries,
- (e) that use of the same type of modulation would also facilitate coordination between Administrations,
- (f) that in order to reduce the risks of harmful interference, the lowest possible antenna height and the lowest possible radiated power should normally be used,
- (g) that the latest information concerning propagation and the minimum protected field strength necessary to obtain the performance required ought to be considered,
- (h) that Band III will continue to be used by most CEPT countries for television,

recommends

in order to facilitate the coordination of land mobile assignments in the band 174-230 MHz in frontier areas,

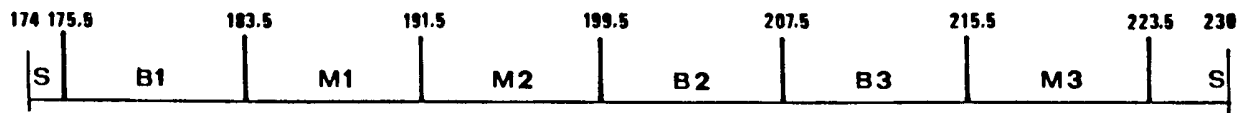
1. that, wherever possible, the plan cited in Annex I shall be utilised for the land mobile service in the member countries of the CEPT,
2. that the Administrations which have not yet reached a final decision on designating the nominal frequencies for assignment or which are in a position to alter their normal utilisation plan shall assign frequencies in the series:
 $174,000 \text{ MHz} + n \times 12.5 \text{ kHz}$
($n = 1, 2, 3, 4, \dots$),
3. that frequency or phase modulation shall be used,
4. that effective radiated power (e.r.p.) shall not exceed 25 watts and that, where possible, the e.r.p. and the antenna height shall be adjusted in order to obtain complete coverage of the required service area,

5. that the coordination criteria given in Annex II shall be used for coordinating the land mobile service assignments in this frequency band between the CEPT member countries.”

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Annex I

CHANNELLING PLAN FOR FREQUENCY SUB-BANDS BETWEEN 174 AND 230 MHz



Abbreviations:

S = Single frequency simplex sub-bands.

B = Base station transmit sub-bands.

M = Mobile station transmit sub-bands.

Notes:

1. Separation distance for simplex or two-frequency duplex operation, 9 MHz.
2. S Sub-bands (the Single Frequency Simplex Sub-bands) may also be utilised by low power systems or services operating on a non-interference basis to land mobile or broadcasting services.

Annex II

TECHNICAL CRITERIA FOR COORDINATION

1. The minimum protected median field strength shall be 22 dB ($\mu\text{V}/\text{m}$).
2. Calculations shall be carried out using CCIR Recommendation 370-4 (Geneva 1982). Appropriate values for the interfering field for 10% of the time and 50% of the locations shall be used.

Variations in field strength as a function of receiving antenna height above ground are currently being considered by the CCIR.

3. The protection ratio shall be 10 dB.