ANNEX I

REQUIREMENTS TO BE MET BY VEHICLES AND ELECTRICAL/ ELECTRONIC SUBASSEMBLIES FITTED TO A VEHICLE

6. SPECIFICATIONS

6.3. Specifications concerning narrowband electromagnetic radiation from vehicles.

6.3.1. Method of measurement

The electromagnetic radiation generated by the vehicle representative of its type shall be measured using the method described in Annex V. These shall be defined by the vehicle manufacturer in accordance with the technical service.

6.3.2. Vehicle narrowband type-approval limits

6.3.2.1. If measurements are made using the method described in Annex V using a vehicle-to-antenna spacing of 10,0 ± 0,2 m, the limits shall be 22 dB microvolts/m in the 30 to 75 MHz frequency band and 22 to 33 dB microvolts/m in the 75 to 400 MHz frequency band, this limit increasing logarithmically with frequencies above 75 MHz as shown in Appendix 4 of this Annex. In the 400 to 1 000 MHz frequency band the limit remains constant at 33 dB microvolts/m.

6.3.2.2. If measurements are made using the method described in Annex V using a vehicle-to-antenna spacing of 3,0 ± 0,05 m, the limit shall be 32 dB microvolts/m in the 30 to 75 MHz frequency band and 32 to 43 dB microvolts/m in the 75 to 400 MHz frequency band, this limit increasing logarithmically with frequencies above 75 MHz as shown in Appendix 5 to this Annex. In the 400 to 1 000 MHz frequency band the limit remains constant at 43 dB microvolts/m.

6.3.2.3. On the vehicle representative of its type, the measured values, expressed in dB microvolts/m, shall be below the type-approval limit.

6.3.2.4. Notwithstanding the limits defined in paragraphs 6.3.2.1, 6.3.2.2 and 6.3.2.3 of this Annex, if, during the initial step described in Annex V, paragraph 1.3, the signal strength measured at the vehicle broadcast radio antenna is less than 20 dB microvolts over the frequency range 76 to 108 MHz measured with an average detector, then the vehicle shall be deemed to comply with the limits for narrowband emissions and no further testing will be required.