

Amendment 1 Fourth Edition Speedmeter Handbook

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25th May 2006

Section **8.6.7.4** page 23 is changed to the following with effect from 25th May 2006.

“8.6.7.4 The test limit is in terms of the peak value of the modulated signal as measured using a peak detector calibrated in terms of the equivalent rms sine wave value that would give the same reading. This is the standard calibration for all peak detector functions on EMC receivers or spectrum analysers.

The test limits are specified in table 1 for the device categories defined in the table and the minimum permitted operating distance from police TETRA radios.

Table 1 Simulated TETRA immunity test levels for device categories A to D

Category	Definition	Field strength V/m	Comment
A	Hand-held attended actively operated devices and not operated within vehicles	65	Can be operated to within 0.2 m of a personal 1 W TETRA radio antenna and 1.5 m of a 3 W vehicle-mounted TETRA radio antenna
B	All other (non-category A) attended actively operated devices and automatic supervised devices not operated within vehicles	20	Can be operated to within 1 m of a personal 1 W TETRA radio antenna and 4 m of a 3 W vehicle mounted TETRA radio antenna
C1	All devices operated within a motor car with a single man carried TETRA radio operating inside the vehicle. No other personal TETRA radios to be present even if switched off. A 3W vehicle centre rear roof mounted TETRA radio antenna can also be present and operating at the same time (see comment column).	125	Field enhanced by internal vehicle reflections. Can be operated to within 0.2m of a personal 1W TETRA radio. This includes radios which are switched off. The external antenna clearance refers to an antenna installed at the vehicle centre rear roof position using a shielded mounting base.
C2	All devices operated within a motor car with a maximum of two man carried TETRA radios operating or present inside the vehicle. A 3W vehicle centre rear roof mounted TETRA radio antenna can also be present and operating at the same time (see comment column).	160	Field enhanced by internal vehicle reflections. Can be operated to within 0.2m of a personal 1W TETRA radio. This includes radios which are switched off. The external antenna clearance refers to an antenna installed at the vehicle centre rear roof position using a shielded mounting base.
C3	All devices operated within a motor car with a maximum of three man carried TETRA radios operating or present inside the vehicle. A 3W vehicle centre	200	Field enhanced by internal vehicle reflections. Can be operated to within 0.2m of a personal 1W TETRA radio. This includes radios which are switched off. The external antenna

Category	Definition	Field strength V/m	Comment
	rear roof mounted TETRA radio antenna can also be present and operating at the same time (see comment column).		clearance refers to an antenna installed at the vehicle centre rear roof position using a shielded mounting base.
D	<p>Vehicle mounted devices with an external TETRA antenna (see comment column).</p> <p>No man carried TETRA radios present or operating inside the vehicle.</p>	100	<p>This refers to an antenna installed at the vehicle centre rear roof position using a shielded mounting base.</p> <p>Can also be operated external to the vehicle to within 1m (line of site) of a 3W vehicle mounted TETRA radio antenna. The 1m minimum distance applies to any point on the antenna rod.</p>

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