(4) From 100 MHz to 8 GHz, use radiated susceptibility tests at a minimum of 5 V/m.


PART 31—AIRWORTHINESS STANDARDS: MANNED FREE BALLOONS

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Sec.
31.1 Application.

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31.46 Pressurized fuel systems.
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31.51 Ballast.
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31.55 Deflation means.
31.57 Rip cords.
31.59 Trapeze, basket, or other means provided for occupants.
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Subpart E—Equipment

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§ 31.25 Factor of safety.
(a) Except as specified in paragraphs (b) and (c) of this section, the factor of safety is 1.5.
(b) A factor of safety of at least two may be used if it is shown that the selected factor will preclude failure due to creep or instantaneous rupture from failure of the heater assembly, fuel cell system, gas value system, or maneuvering vent system, or from any single tear in the balloon envelope between tear stoppers:
(1) The maximum vertical velocity attained.
(2) The altitude loss from the point of failure to the point at which maximum vertical velocity is attained.
(3) The altitude required to achieve level flight after corrective action is initiated, with the balloon descending at the maximum vertical velocity determined in paragraph (a)(1) of this section.
(c) The information established under paragraphs (a) and (b) of this section must be made available to the pilot in accordance with § 31.81.
(Amdt. 31–4, 45 FR 60179, Sept. 11, 1980)