



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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September 14, 1984

CRITERIA FOR LICENSING OF FM BROADCAST ANTENNA SYSTEMS.

1. In making allotments and in issuing construction permits and licenses the Commission assumes that FM non-directional broadcast antennas have perfectly circular horizontal radiation patterns. Actual antenna patterns shall conform to the ideal as closely as is practicable. The use of any technique or means (including side mounting) which intentionally distorts the radiation pattern of what is nominally a non-directional antenna makes that antenna directional and it must be licensed as such.
2. Before program tests are authorized for directional antennas, the permittee must submit the results of a complete antenna proof-of-performance. The constructed antenna must conform to the original design specifications of the construction permit. Otherwise, a new application for construction must be filed based on the antenna as constructed.
3. Scale model FM antenna measurements are acceptable for the proof-of-performance for directional FM antennas. Care and diligence should be used in producing a faithful model of the structure in complete detail. The choice of using full size or scale model measurements is left to the discretion of the permittee.
4. Specific requirements regarding antenna patterns are addressed in Part 73 of the FCC Rules and Regulations.

Action by the Commission September 13, 1984. Commissioners Fowler (Chairman), Ilo and Dawson.

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