

## Radio broadcasting between technical problems and solutions suggestions

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The problems of the radio broadcasting, especially since the big boom of the media during the Lebanese war, are the main subject of this study. The number of radio stations reached over 180 and near 60 TV stations, all of which worked without a license except TL and the Lebanese radio. The radio broadcasting was not limited to the FM stations providing a local coverage. Some were diffusing on medium wave (MW) and short wave (SW) going beyond the Lebanese territories to the neighboring countries and abroad.

The importance of the role of this sector and most of all its political impact on the whole society without counting the prevailing anarchy and the violation of the international agreements and treaties approved by Lebanon, imposed the reorganization of the mass media in conformity with the instructions of the entente. The first congress for the organization of the information in Lebanon was held between 17th and 19th of May 1991, and in 1994 the law of information No 382/94 was adopted.

This study highlights the laws ruling the radio broadcasting and the communications as well as the present situation of the radio broadcasting still suffering many ills and lack of control. It also shows the relation with the International Federation of communications and the difficulties hindering the solutions in accordance with the prevailing laws or agreements.

It finally dealt with the electromagnetic spreading and its disastrous influence on health and security, the interference of the radio broadcasting with the other services, the technological evolution of radio broadcasting - the transfer to the digital diffusion and the suggested solutions based on:

- The synchronization technique
- The modification of the present plan of frequencies by adopting an intermediate frequency of not less than 400 kilo hertz, in the same post or close posts, between the two closest canals, with a capacity of 200 kilo hertz each.
- The adoption of unified centers of diffusion (close)
- To reduce the diffusion capacity