



Government  
of Canada

Department of Communications

TELECOMMUNICATIONS REGULATION  
CIRCULAR TRC - 15  
APRIL 16, 1971

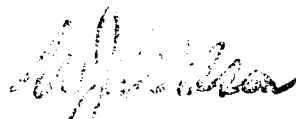
INFORMATION RELATING TO THE  
APPLICATION OF RADIO STANDARDS SPECIFICATION 120

TELECOMMUNICATION REGULATORY SERVICE

Telecommunications Regulation Circulars are issued from time to time as the need arises and are intended for the guidance of those actively engaged in telecommunications in Canada. The information contained in these circulars is subject to change at any time in keeping with the development of the art of telecommunications. It is therefore suggested that interested persons should consult the nearest Superintendent of Telecommunications Regulation to ascertain whether this circular is still current.

## APPLICATION OF RADIO STANDARDS SPECIFICATION 120

1. Radio Standards Specification 120 - issue 2, released March 31, 1971 applies to "mobile station" AM and FM radiotelephone transceivers operating in certain VHF/UHF bands in the frequency range 27.23 MHz to 470 MHz with R.F. power output not exceeding 1 watt.
2. In this Specification, the term "mobile station" means a hand-carried low-power portable unit, not intended for permanent installation in vehicles. For this reason, paragraph 4.2 of the Specification states that the transceiver shall be a self-contained unit with integral antenna and power supply. Equipment type-approved under this Specification will be listed in Part A, Section A-21 of the Radio Equipment List, for use within appropriate frequency bands between 27.230 MHz and 470 MHz.
3. It is recognized, however, that certain low-power units, basically designed to operate in the General Radio Service band 27.000 - 27.230 MHz and type-approved under RSS 136, are also capable of operating in the range 27.230 - 30.560 MHz. Since many of these units do not meet the "equipment requirement" of RSS 120, paragraph 4.2 mentioned above, they cannot be type-approved under RSS 120. Nevertheless, there is an obvious demand and need for this class of equipment for vehicular use in the so-called "business band" below 30.56 MHz.
4. It has been decided, therefore, that 3-watt equipment capable of operating in the 27.230 - 30.560 MHz band, designed to operate with an external antenna and power supply, will be evaluated using RSS 120 as a guide. If found acceptable, such equipment will be contained in Part B of the Radio Equipment List, for vehicular use within the band 27.230 - 30.560 MHz.
5. In summary, equipment of the type in reference listed in Part A-21 of the Radio Equipment List may be licensed throughout the range 27.230 - 470 MHz for use as hand-carried mobile stations only. Equipment of this type listed in Part B of the REL may be licensed for use as hand-carried or vehicular mobile stations but restricted to the band 27.230 - 30.560 MHz.



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