§ 80.227                              47 CFR Ch. I (10–1–14 Edition)

equipment that does not meet the re-
quirements of ITU–R M.493–13 and, in
the case of Class D DSC equipment
only, IEC 62238 (both incorporated by
reference, see §80.7).

(4) The manufacture, importation,
sale or installation of non-portable
DSC equipment that does not comply
with either of the standards referenced
in paragraph (a)(2) of this section is
prohibited beginning March 25, 2011.

(5) The manufacture, importation, or
sale of handheld, portable DSC equip-
ment that does not comply with either
of the standards referenced in para-
graph (a)(3) of this section is prohibited
beginning March 25, 2015.

(6) Approved DSC equipment that has
been manufactured, sold, and installed
in conformity with the requirements of
this section may be used indefinitely.

(b) Manufacturers of Class C DSC
equipment to be used on United States
vessels must affix a clearly discernible
permanent plate or label visible from
the operating controls containing the
following:

WARNING. This equipment is designed to
generate a digital maritime distress and
safety signal to facilitate search and rescue.
To be effective as a safety device, this equip-
ment must be used only within communica-
tion range of a shore-based VHF marine
channel 70 distress and safety watch system.
The range of the signal may vary but under
normal conditions should be approximately
20 nautical miles.

(c) Selective calling equipment, other
than that designed in accordance with
paragraph (a) of this section, is author-
ized as follows:

(1) Equipment used in conjunction
with the Automated Maritime Tele-
communications System (AMTS) in
the band 216–220 MHz.

(2) Equipment used to perform a se-
lective calling function during narrow-
band direct-printing (NB–DP) oper-
ations in accordance with ITU–R
M.476–5 or ITU–R M.623–3 or ITU–R
M.493–13 (all incorporated by reference,
see §80.7), and

(3) Equipment functioning under the
provisions of §80.207(a) includes the
brief use of radiotelegraphy, including
keying only the modulating audio fre-
quency, tone signals, and other signal-
ing devices to establish or maintain
communications provided that:

(i) These signalling techniques are
not used on frequencies designated for
general purpose digital selective call-
ing (DSC) and distress and safety DSC
calling as listed in §80.359;

(ii) The authorized radiotelephone
emission bandwidth is not exceeded;

(iii) Documentation of selective call-
ing protocols must be available to the
general public; and,

(iv) Harmful interference is not
causd to stations operating in accord-
ance with the International Radio Reg-
ulations.

80.227 Special requirements for pro-
tection from RF radiation.

As part of the information provided
with transmitters for ship earth sta-
tions, manufacturers of each such unit
must include installation and oper-
ating instructions to help prevent
human exposure to radiofrequency
(RF) radiation in excess of the RF ex-
posure guidelines specified in §1.1307(b)
of the Commission’s Rules.

80.229 Special requirements for auto-
matic link establishment (ALE).

Brief signalling for the purposes of
measuring the quality of a radio chan-
nel and thereafter establishing commu-
ication shall be permitted within the
2 MHz–30 MHz band. Public coast sta-
tions providing high seas service are
authorized by rule to use such signal-
ling under the following conditions:

(a) The transmitter power shall not
exceed 100 W ERP;

(b) Transmissions must sweep lin-
early in frequency at a rate of at least
60 kHz per second, occupying any 3 kHz
bandwidth for less than 50 milli-
seconds;

(c) The transmitter shall scan the
band no more than four times per hour;

(d) Transmissions within 6 kHz of
the following protected frequencies and
frequency bands must not exceed 10 μW
peak ERP:

(1) Protected frequencies (kHz)

2091.0  4188.0  6312.0  12290.0  16420.0
2174.5  4207.5  6257.0  12392.0  16522.0
2182.0  5000.0  6291.0  12520.0  16695.0

[54 FR 10009, Mar. 9, 1989, as amended at 62
FR 40306, July 28, 1997; 68 FR 46966, Aug. 7,
2003; 73 FR 4482, Jan. 25, 2008; 76 FR 67611,
Nov. 2, 2011]

§ 80.229 Special requirements for au-

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[53 FR 28225, July 27, 1988]