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MINISTRY OF ECONOMIC
DEVELOPMENT

RADIO SPECTRUM MANAGEMENT

RADIOCOMMUNICATIONS
(ELECTROMAGNETIC COMPATIBILITY
COMPLIANCE) NOTICE 2001

PURSUANT TO THE
RADIOCOMMUNICATIONS REGULATIONS 2001

**RADIOCOMMUNICATIONS
(ELECTROMAGNETIC COMPATIBILITY COMPLIANCE)
NOTICE 2001**

Pursuant to regulation 19(2) and regulation 32(1) of the Radiocommunications Regulations 2001, the Manager, Radio Spectrum Management, Ministry of Economic Development, acting under delegated authority from the Chief Executive, Ministry of Economic Development, hereby gives the following notice:

NOTICE

1. Title and commencement

- (a) This notice is the Radiocommunications (Electromagnetic Compatibility Compliance) Notice 2001.
- (b) This notice comes into force on 12 October 2001.

2. Interpretation

- (a) In this notice, unless the context otherwise requires, -
 - “accredited testing body” means a facility that is any of the following:
 - (i) accredited by International Accreditation New Zealand, an agency of the Government also known as IANZ;
 - (ii) accredited by an accreditation authority that has entered into a mutual recognition arrangement with IANZ;
 - (iii) approved pursuant to any agreement between New Zealand and any other country or countries:
 - “Act” means the Radiocommunications Act 1989;
 - “applicable standard”, in relation to a product, means a standard or code of practice prescribed in this notice applying to the class of product to which the product belongs, and any published amendment or modification to the standard in force from time to time;
 - “battery powered”, in relation to a product, means a product that is not capable of being connected, either directly or indirectly, to the electrical mains supply;
 - “Chief Executive” means any of the following:
 - (i) the Chief Executive of the Ministry of Economic Development;
 - (ii) a person acting under delegated authority from the Chief Executive;
 - “class of product” means a grouping, category, or family of products with a common purpose, use or application;
 - “code of practice” means a publication prescribing the procedures and processes relating to any of the following:
 - (i) the installation and maintenance of products;
 - (ii) the interconnection of products;
 - (iii) the networking of products;
 - (iv) the assembling of components, modules and sub-assemblies to form a finished product;
 - “competent body” means a body determined to be a competent body in any of the following:
 - (i) a notice made under regulation 32(1)(h) of the regulations;
 - (ii) an instrument made under subsection 183(3) of the Australian Radiocommunications Act 1992;
 - “compliance folder” means, in relation to a product, a dossier comprising a declaration of conformity, a product description and test report or technical construction file;
 - “compliance mark” means the C-tick or the RCM;
 - “C-tick ” means the following symbol:



- “declaration of conformity” means the documents prescribed in Schedule E or Schedule F of this notice;
- “fixed installation” means a combination of parts, components, modules, or products assembled and installed at a place of use in such a way that the combination cannot be moved without being at least partially disassembled, including electric power lines and wired telecommunication distribution networks, but not including telecommunications terminal equipment designed for installation in customer premises;

“label” means the compliance mark in conjunction with the supplier identification engraved on, or otherwise affixed to, a product:

“Ministry” means the Ministry of Economic Development:

“product” means interfering equipment or susceptible equipment as defined in the Radiocommunications Act 1989, and includes any assembly of components, modules or sub-assemblies that form a finished product;

“product description” means text, drawings, photographs, sketches, diagrams or any other thing identifying the manufacturer, make, model, function, or internal and external construction of a product:

“RCM” means the following symbol:



“regulation” and “regulations” means regulations made pursuant to the Radiocommunications Act 1989:

“standard” means a publication, or those parts of a publication, prescribing the measurement procedures, processes, and limits relating to the electromagnetic compatibility of products:

“supplier” means:

(i) for the requirements of levels of conformity 1, 2 and 3, a person in New Zealand supplying products in New Zealand:

(ii) for the requirements of level of conformity A, a person supplying products in New Zealand:

“supplier code number” means the letter “Z” and a unique numeric identifier allocated by the Chief Executive:

“supplier identification” means any of the following:

(i) the supplier code number:

(ii) the supplier’s registered name and address:

(iii) the supplier’s registered company number:

(iv) the supplier’s registered GST number:

(v) the supplier’s registered trademark:

“technical construction file” means:

(i) a technical report prepared by a competent body confirming that a product meets the requirements of the applicable standard; and

(ii) a statement of reasons if the information is incomplete:

“test report” means:

(i) the text, drawings, diagrams and tables specifying the standard or standards to which a product has been tested; and

(ii) the general procedure followed in testing the product; and

(iii) the measurement results; and

(iv) a statement as to whether or not the product conforms to the standard or standards to which the product has been tested:

(b) Other words and expressions contained in this notice that are defined in the Radiocommunications Act 1989 have the meanings so defined.

3. Scope

(a) Subject to subsections (b), (c), and (d), unless expressly stated to the contrary in this notice:

(i) a product used, sold, or otherwise distributed in New Zealand, or manufactured for supply in New Zealand, must conform to an applicable standard:

(ii) a person supplying a product in New Zealand must comply with the requirements of this notice.

(b) For the purposes of regulation 32(1)(a), (b), (c), and (d), the classes of products, and the applicable standards and levels of conformity applying to those classes of products, are those specified in Schedule A and Schedule B of this notice.

(c) For the purposes of regulation 32(1)(j), if a device fits any of the following descriptions, the requirements of this notice do not apply. The devices are:

(i) those with a power consumption not exceeding 6 nanowatts:

(ii) military equipment or weapons systems of the New Zealand Defence Force:

(iii) military equipment or weapons systems of the defence force of another country operating in co-operation with the New Zealand Defence Force.

(d) A product to which this notice applies is deemed to comply with the requirements of this notice if the product meets the requirements of an agreement between New Zealand and another country or a body, as specified in Schedule C of this notice.

4. **Applicable standards**

- (a) For the purposes of regulation 32(1)(a), (b), and (c), the applicable standards are those prescribed in Schedule A and Schedule B of this notice.
- (b) For the purpose of determining whether a product complies with an applicable standard, the product must be tested in accordance with the requirements of this notice, and the results of any such tests must, except as specified in this notice, be interpreted in accordance with that standard.
- (c) Unless expressly stated to the contrary in this notice:
- (i) an amendment or modification to an applicable standard is effective from the date specified by the authority issuing the amendment or modification:
 - (ii) a product to which schedule A applies that is first supplied 2 years or more after the effective date of an amendment or modification to an applicable standard, must conform to that amended or modified applicable standard:
 - (iii) a product to which schedule B applies that is first supplied 1 year or more after the effective date of an amendment or modification to an applicable standard, must conform to that amended or modified applicable standard.
- (d) For the purposes of this notice, unless the context otherwise requires:
- “ARIB” means a standard published by the Association of Radio Industries and Businesses in Japan:
- “AS/NZS” means a joint Australian/New Zealand standard under the terms of the Active Co-operation Agreement between Standards Australia International Limited and Standards New Zealand:
- “CFR” means the Code of Federal Regulations of the United States of America:
- “CISPR” means a publication published by the Special Committee on Radio Interference of the International Electrotechnical Commission:
- “COP” means a code of practice prescribed in this notice:
- “EN” means a standard published by the European Committee for Electrotechnical Standardisation, commonly known as CENELEC:
- “ETS” and “ETS EN” means a standard published by the European Technical Standards Institute:
- “IEC” means a publication published by the International Electrotechnical Commission:
- “RFS” means a standard or specification published by the Chief Executive of the Ministry of Economic Development.

5. **Levels of conformity – requirements to be met**

- (a) The classes of products to which the level of conformity requirements apply, are set out in Schedules A and B of this notice.
- (b) For the purposes of regulation 32(1)(d) and (h), the requirements to be met for levels of conformity 1, 2, 3 and A are:

Level of conformity 1

Where a product is in a class to which level of conformity 1 applies, then, prior to supplying the product, the supplier:

- (a) is responsible for ensuring that the product conforms with an applicable standard, as prescribed in this notice:
- (b) may label the product, in which case the supplier is responsible for the creation of a compliance folder containing a completed declaration of conformity in the form prescribed in Schedule E of this notice, and a product description.

Level of conformity 2

Where a product is in a class to which level of conformity 2 applies, then prior to supplying the product, the supplier is responsible for:

- (a) complying with the requirements of level of conformity 1(a):
- (b) labelling the product:
- (c) the creation of a compliance folder containing:
 - (i) a declaration of conformity, in the form prescribed in Schedule E of this notice:
 - (ii) a product description:
 - (iii) a test report, or a technical construction file.

Level of conformity 3

Where a product is in a class to which level of conformity 3 applies, then prior to supplying the product, the supplier is responsible for:

- (a) complying with the requirements of level of conformity 1(a):
- (b) labelling the product:

- (c) the creation of a compliance folder containing:
 - (i) a declaration of conformity, in the form prescribed in Schedule E of this notice:
 - (ii) a product description:
 - (iii) a test report from an accredited testing body, or a technical construction file.

Level of conformity A

Where a product is in a class to which level of conformity A applies, then prior to supplying the product, the supplier must:

- (a) ensure, by way of testing by an accredited testing body, that the product conforms with an applicable standard:
- (b) submit to the Chief Executive a declaration of conformity, in the form prescribed in Schedule F of this notice, completed by the supplier:
- (c) not label the product.

6. Labelling of products

- (a) For the purposes of regulation 32(1)(e):
 - (i) the label on any product must consist of a compliance mark in conjunction with a supplier identification:
 - (ii) the label on any product must be durably applied on the external surface of the product as near as is possible to the model identification. Where this is not possible due to the size or nature of the product, the label may be placed on the packaging or warranty or instructions for the product:
 - (iii) the label on any product may be reproduced in any colour provided that there is sufficient contrast with the background colour or relief:
 - (iv) the label on any product may also be placed on promotional material associated with the product:
 - (v) the compliance mark on any label must be no smaller than 3mm in diameter and the supplier identification characters must be no less than 1mm in height:
 - (vi) no variations are permitted to a compliance mark.
- (b) If the labelling of a product in accordance with the requirements of clause 6(a) is not possible, the supplier must obtain a written exemption from the Chief Executive before supplying the product.
- (c) If a supplier is labelling a product with the RCM compliance mark, the supplier must comply with the requirements of AS/NZS 4417.

7. Compliance folder

- (a) For the purposes of regulation 32(1)(g), a compliance folder consists of the following documents in English:
 - (i) a completed and signed declaration of conformity, as prescribed in Schedule E of this notice:
 - (ii) a product description:
 - (iii) a test report:
 - (iv) a signed statement, in regard to any variants of the product, that the variations do not alter the electromagnetic compatibility characteristics of the product.
- (b) A compliance folder:
 - (i) must, at the written request of the Chief Executive, be made available by the supplier in written form within 10 working days of the request being made:
 - (ii) may be kept in an electronic form:
 - (iii) must, if available only in written form, be held at the supplier's place of business in New Zealand:
 - (iv) must be retained by the supplier for a period of 5 years from the date on which the product ceases to be supplied by the supplier.
- (c) Strict compliance with prescribed forms is not necessary, and substantial compliance, or such compliance as the particular circumstances of the case allow, is sufficient.

8. Returns in respect of radio transmitters

For the purposes of regulation 19(2), holders of a licence to supply radio transmitters, granted under regulation 18, are not required to supply returns for the classes of transmitters specified in Schedule D of this notice.

9. Revocation of notice

- (a) All notices made pursuant to regulation 41 of the Radiocommunications (Radio) Regulations 1993 are hereby revoked.
- (b) Notwithstanding the revocation of the notices set out in clause 9(a), every product that is compliant with the requirements of those notices on 11 October is deemed to be compliant with the requirements of this notice.

SCHEDULE A

ELECTRICAL AND ELECTRONIC PRODUCTS

A. *Applicable standards*

- (a) The applicable standards are those standards prescribed in tables 1 to 5 of this schedule.
- (b) If more than one standard prescribed in tables 1 to 4 applies to a product, the applicable standard is the standard most closely related to the primary purpose, use, or application of the product.
- (c) Only those requirements of a standard relating to electromagnetic emissions, radiations, or inductions apply for the purposes of this schedule.
- (e) If a product fits any of the following descriptions, the requirements of this schedule do not apply. The products are:
 - (i) a radiocommunications transmitter in a class to which Schedule B applies:
 - (ii) a vehicle that is registered, or capable of being registered, for use on a public road.
- (d) The following provisions do not apply for the purposes of this schedule. The provisions are:
 - (i) subclauses 7.2.1 and 8.4 of AS/NZS 1044, EN 55014, and CISPR 14:
 - (ii) subclause 4.2 of AS/NZS 3548, EN 55022, and CISPR 22, to the extent that a warning is not required to be included in the instructions for use.

B. *Products to which level of conformity 1 requirements apply*

If a product is not a product to which level of conformity 2 or level of conformity 3 applies, the supplier of the product must meet the requirements of level of conformity 1. Products to which level of conformity 1 applies include those that are, or incorporate:

- (a) manually operated switches or simple relays:
- (b) brushless squirrel cage induction motors:
- (c) wire-wound, mains frequency transformers:
- (d) rectifier diodes:
- (e) resistive heating elements.

C. *Products to which level of conformity 2 requirements apply*

- (a) Except as provided in subsection (b), if a product is, or incorporates, any of the following, the supplier of the product must meet the requirements of level of conformity 2. The products are:
 - (i) a microprocessor or other clocked digital device:
 - (ii) a radio frequency oscillator:
 - (iii) a commutator or slip-ring motor:
 - (iv) arc welding equipment:
 - (v) a lighting ballast:
 - (vi) electronic devices operating in a switching or non-linear mode such as switched-mode power supplies, lighting dimmers, electronic transformers, and motor speed controllers.
- (b) If a product to which subsection (a) applies is any of the following, then provided the product is not labelled, the supplier of the product is required to meet only the requirements of level of conformity 1(a). The products are those that are:
 - (i) supplied in a total quantity of no more than 10:
 - (ii) battery powered:
 - (iii) a prototype for demonstration purposes:
 - (iv) a fixed installation.
- (c) If a product is Group 1 industrial, scientific and medical (ISM) equipment, as defined in AS/NZS 2064:
 - (i) the supplier of the product must meet the requirements of level of conformity 2; and
 - (ii) the product must comply with the provisions of AS/NZS 2064 in relation to the frequencies of operation.

D. *Products to which level of conformity 3 requirements apply*

- (a) If a product is Group 2 industrial, scientific and medical (ISM) equipment, as defined in AS/NZS 2064:
 - (i) the supplier of the product must meet the requirements of level of conformity 3; and
 - (ii) the product must comply with the provisions of AS/NZS 2064 in relation to the frequencies of operation.
- (b) If a product is telecommunications terminal equipment designed for installation in customer premises, the supplier must meet the requirements of level of conformity 3.

E. Products to which level of conformity A requirements apply

- (a) A supplier may, as an alternative to meeting the requirements for levels of conformity 1, 2 or 3, meet the requirements of level of conformity A.
- (b) If a product is information technology equipment (ITE) the Chief Executive will accept a declaration of conformity in relation to the requirements of CFR47 Part 15 for digital devices.

Table 1 - Australian & New Zealand (AS/NZS, AS) Standards

AS/NZS 1044	Household appliances, electric tools and similar equipment
AS/NZS 1053	Broadcast receivers and associated equipment
AS/NZS 2064	Industrial, scientific and medical (ISM) radio frequency equipment
AS/NZS 2344	Overhead a.c. powerlines and high voltage equipment installations
AS/NZS 2557	Vehicles, motorboats, and spark-ignited engine-driven equipment
AS/NZS 3548	Information technology equipment
AS/NZS 3652	Arc welding equipment
AS/NZS 4051	Electrical lighting and similar equipment
AS/NZS 4251.1	EMC generic emission standard – residential, commercial and light industry
AS/NZS 4251.2	EMC generic emission standard – industrial environments
AS 62040.2	Uninterruptible power systems (UPS)

Table 2 - Special Committee on Radio Interference (CISPR) Standards

CISPR 11	Industrial, scientific and medical (ISM) radio frequency equipment
CISPR 12	Vehicles, motorboats, and spark-ignited engine-driven equipment
CISPR 13	Broadcast receivers and associated equipment
CISPR 14-1	Household appliances, electric tools and similar equipment
CISPR 15	Electrical lighting and similar equipment
CISPR 22	Information technology equipment

Table 3 - International Electrotechnical Commission (IEC) Standards

IEC 60204-31	Sewing machines, units and systems
IEC 60439-1	Low voltage switch gear and control gear assemblies
IEC 60669-2-1	Electronic switches
IEC 60669-2-2	Remote control switches (RCS)
IEC 60669-2-3	Time-delay switches (TDS)
IEC 60687	Alternating current static watt-hour meters for active energy - classes 0,2,S and 0,5,S
IEC 60730-1	Automatic electrical controls for household and similar use
IEC 60730-2-5	Automatic electrical burner control systems
IEC 60730-2-6	Automatic electrical pressure sensing controls
IEC 60730-2-7	Timers and time switches
IEC 60730-2-8	Electrically operated water valves
IEC 60730-2-9	Temperature sensing controls
IEC 60730-2-11	Energy regulators
IEC 60730-2-13	Humidity sensing controls
IEC 60730-2-14	Electric actuators
IEC 60730-2-18	Automatic electrical water and air flow sensing controls
IEC 60870-2-1	Telecontrol equipment and systems
IEC 60945	Maritime navigation and radiocommunication equipment and systems
IEC 60947-1	Low voltage switch gear and control gear
IEC 60947-2	Circuit breakers
IEC 60947-3	Switches, disconnectors, switch-disconnectors and fuse-combination units
IEC 60947-4-1	Electromechanical contactors and motor-starters
IEC 60947-4-2	AC semiconductor motor controllers and starters
IEC 60947-4-3	AC semiconductor controllers and contactors for non-motor loads
IEC 60947-5-1	Electromagnetic control circuit devices
IEC 60947-5-2	Proximity switches
IEC 60947-5-3	Proximity devices and defined behaviour under fault conditions (PDF)

IEC 60947-5-6	DC interface for proximity sensors and switching amplifiers (NAMUR)
IEC 60947-6-1	Automatic transfer switching equipment
IEC 60947-6-2	Control and protective switching devices (or equipment) (CPS)
IEC 61000-3-8	Signalling on low voltage electrical installations
IEC 61000-6-3	EMC generic emission standard – residential, commercial and light industry
IEC 61000-6-4	EMC generic emission standard – industrial environments
IEC 61008-1	Residual current operated circuit breakers for household and similar uses (RCCB)-
IEC 61036	Alternating current static watt-hour meters for active energy - classes 1 and 2
IEC 61037	Electricity metering – tariff and load control – electronic ripple control receivers
IEC 61038	Electricity metering – tariff and load controls – time switches
IEC 61268	Alternating current static var-hour meters for reactive energy - classes 2 and 3
IEC 61326	Electrical equipment for measurement, control and laboratory use
IEC 61543	Residual current operated protective devices (RCD) for household and similar use
IEC 61800-3	Adjustable speed electrical power drive
IEC 61812-1	Specified time relays for industrial use
IEC 62040-2	Uninterruptible power systems (UPS)

Table 4 – European Norm (EN) Standards

EN 50065-1	Signalling on low-voltage electrical installations in the range 3 kHz to 148,5 kHz
EN 50081-1	EMC generic emission standard – residential, commercial and light industry
EN 50081-2	EMC generic emission standard – industrial environments
EN 50091-2	Uninterruptible power systems (UPS)
EN 50148	Electronic taximeters
EN 50199	Arc welding equipment
EN 50227	Control circuit devices and switching elements proximity sensors
EN 50263	Relays and protection equipment
EN 50270	Equipment for detection and measurement of combustible, toxic gases or oxygen
EN 55011	Industrial, scientific and medical (ISM) radio frequency equipment
EN 55013	Broadcast receivers and associated equipment
EN 55014-1	Household appliances, electric tools and similar apparatus
EN 55015	Electrical lighting and similar equipment
EN 55022	Information technology equipment
EN 55103-1	Audio, video, and entertainment lighting control apparatus for professional use
EN 60204-31	Sewing machines, units and systems
EN 60439-1	Low voltage switchgear and controlgear assemblies
EN 60669-2-1	Switches for household and similar fixed-electrical installations – electronic switches
EN 60669-2-2	EM remote control switches (RCS)
EN 60669-2-3	Time delay switches (TDS)
EN 60687	Alternating current static watt-hour meters for active energy (classes 0,2,S and 0,5,S)
EN 60730-1	Automatic electrical controls for household and similar use
EN 60730-2-5	Automatic electrical burner control systems
EN 60730-2-6	Automatic electrical pressure sensing controls
EN 60730-2-7	Timers and time switches
EN 60730-2-8	Electrically operated water valves, including mechanical requirements
EN 60730-2-9	Temperature sensing controls
EN 60730-2-11	Energy regulators
EN 60730-2-13	Humidity sensing controls
EN 60730-2-14	Electric actuators
EN 60730-2-18	Automatic electrical water and air flow sensing controls
EN 60870-2-1	Telecontrol equipment and systems
EN 60945	Maritime navigation and radiocommunication equipment and systems
EN 60947-1	Low voltage switchgear and controlgear – general rules
EN 60947-2	Circuit breakers
EN 60947-3	Switches, disconnectors, switch-disconnectors and fuse-combination units
EN 60947-4-1	Electromechanical contactors and motor starters
EN 60947-4-2	AC semiconductor motor controllers and starters
EN 60947-4-3	AC semiconductor controllers and contactors for non-motor loads
EN 60947-5-1	Electromechanical control circuit devices
EN 60947-5-2	Proximity switches
EN 60947-5-3	Proximity devices with defined behaviour under fault conditions (PDF)

EN 60947-5-6	DC interface for proximity sensors and switching amplifiers (NAMUR)
EN 60947-6-1	Multiple function equipment – automatic transfer switching equipment
EN 60947-6-2	Control and protective switching devices (or equipment) (CPS)
EN 61008-1	Residual current operated circuit (RCCB)
EN 61036	Alternating current static watt-hour meters for active energy (classes 1 and 2)
EN 61037	Electricity metering – tariff and load control – electronic ripple control receivers
EN 61038	Time switches for tariff and load control
EN 61268	Alternating current static var-hour meters for reactive energy (classes 2 and 3)
EN 61326	Electrical equipment for measurement, control and laboratory use
EN 61543	Residual current operated protective devices (RCD) for household and similar use
EN 61800-3	Adjustable speed electrical power drive systems
EN 61812-1	Specified time relays for industrial use

Table 5 – Codes of Practice

COP 001	Personal computer assemblies
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SCHEDULE B

RADIO PRODUCTS

A. *Applicable Standards*

- (a) If a product is in a class to which a standard prescribed in table 1 or table 2 of this schedule applies, that standard is an applicable standard.
- (b) A product to which table 1 applies is licensed for use pursuant to a general user radio licence (GURL) granted under the regulations. The frequency, or frequencies, of operation must be in accordance with the GURL irrespective of any frequency, or frequencies, of operation contained in an applicable standard specified in table 1.
- (c) A product to which table 2 applies must be licensed for use pursuant to a radio licence granted under the regulations. The frequency, or frequencies, of operation must be in accordance with the radio licence irrespective of any frequency, or frequencies, of operation contained in an applicable standard specified in table 2.
- (d) If a product is not in a class to which a standard prescribed in table 1 or table 2 of this schedule applies, the product must, as a minimum, comply with the requirements of table 3 for unwanted emissions.

B. *Products to which level of conformity 3 or level of conformity A applies*

The supplier of radio apparatus to which table 1 or table 2 of this schedule applies, must meet the requirements of a level of conformity as prescribed in this schedule.

Table 1 – General User Radio Licence (GURL) Standards

Class of Product	Applicable Standard(s)	Level of Conformity
1. Short Range Devices (SRD) also known as Restricted Radiation Devices (RRD)	(a) AS/NZS 4268 and Table 3 (b) EN 300 330 (9kHz - 25 MHz) (c) EN 300 220 (25 – 1000 MHz) (d) EN 300 440 (1 – 25 GHz) (e) EN 301 091 (76 – 77 GHz) (f) CFR 47 Part 15 for intentional radiators	2 or A A A A A A
2. Spread Spectrum Devices (SSD)	(a) AS/NZS 4771 (b) RFS 29 (Schedule 1B) (c) ETSI ETS 300 328 (d) CFR 47 Part 15 for spread spectrum devices	2 or A A A A
3. Maritime Mobile Service Angle modulated (FM) radio apparatus operating in the international maritime mobile service band 156 – 174 MHz	(a) AS/NZS 4415 (b) ETS 300 162 (c) CFR 47 Part 80 Subpart E	3 or A A A

4. Citizen Band Radio Service (CBRS)		
A. Operating in the 26 MHz band	AS/NZS 4355	3 or A
B. Operating in the 476/477 MHz band	AS/NZS 4365	3 or A
5. Emergency Transmitters		
A. Emergency Position Indicating Radio Beacons (EPIRBs), including devices known as ELTs, PLBs and PLTs operating at 121.5 MHz and 243 MHz.	(a) AS/NZS 4330 (b) ETS 300 152	
B. Satellite Distress Beacons (SDBs) operating at 406.0 – 406.1 MHz	(a) AS/NZS 4280 (b) ETS 300 066	
C. Avalanche Beacons operating on 457 kHz	EN 300 718	A
D. Radar transponders for marine search and rescue (SART) operating at 9200 – 9500 MHz	(a) AS/NZS 4432 (b) IEC 1097-1	
E. Survival craft radiotelephone transmitters operating at 156.0 – 156.9 MHz	(a) AS 4416 (b) ETS 300 225	
F. Search and Rescue radiotelephone transmitters operating on 123.1 MHz	AS/NZS 4330	
6. Cordless Telephones		
A. Cordless Telephones (CT1) operating on frequencies below 100 MHz	AS/NZS 4281	2 or A
B. Cordless Telephones (CT2) 864 – 868 MHz	MPT 1334	A
C. Digital Enhanced Cordless Telecommunications (DECT) 1880 – 1900 MHz	ETSI EN 300 176-1	A
D. Personal Handyphone System (PHS) 1895 – 1920 MHz	ARIB RCR STD-28	A

Table 2 – Radio Licence (RL) Standards

Class of Product	Applicable Standard(s)	Level of Conformity
1. Maritime Mobile Service		
Single sideband (SSB) radio apparatus operating in the international maritime mobile radiotelephone service on frequencies below 30 MHz	(a) AS/NZS 4582 (b) ETS 300 373	3 or A A
Angle modulated (FM) radio apparatus operating in the international maritime mobile service band 156 – 174 MHz	(a) AS/NZS 4415 (b) ETS 300 162	3 or A A

2. Aeronautical Mobile Service Aeronautical Mobile 118 – 138 MHz	AS/NZS 4583	3 or A																
3. Land Mobile and Fixed Services Radio apparatus in the land mobile and fixed services operating on frequencies below 1 GHz in accordance with the following channelling and emission bandwidths: <table border="0" style="width: 100%;"> <tr> <td style="text-align: left;"><u>Channelling</u></td> <td style="text-align: left;"><u>Emission Bandwidths</u></td> </tr> <tr> <td>12.5 kHz</td> <td>up to 12.5 kHz</td> </tr> <tr> <td>25 kHz</td> <td>>12.5 kHz and up to 25 kHz</td> </tr> <tr> <td>50 kHz</td> <td>>25 kHz and up to 50 kHz</td> </tr> <tr> <td>75 kHz</td> <td>>50 kHz and up to 75 kHz</td> </tr> <tr> <td>100 kHz</td> <td>>75 kHz and up to 100 kHz</td> </tr> <tr> <td>250 kHz</td> <td>>100 kHz and up to 250 kHz</td> </tr> <tr> <td>500 kHz</td> <td>>250 kHz and up to 500 kHz</td> </tr> </table>	<u>Channelling</u>	<u>Emission Bandwidths</u>	12.5 kHz	up to 12.5 kHz	25 kHz	>12.5 kHz and up to 25 kHz	50 kHz	>25 kHz and up to 50 kHz	75 kHz	>50 kHz and up to 75 kHz	100 kHz	>75 kHz and up to 100 kHz	250 kHz	>100 kHz and up to 250 kHz	500 kHz	>250 kHz and up to 500 kHz	(a) AS/NZS 4770 SSB below 30 MHz (b) ETS 300 373 SSB below 30 MHz (c) AS 4295 FM 12.5 / 25 kHz channelling (d) ETS EN 300 086 FM 12.5 / 25 kHz channelling (e) RFS 21 AM 12.5 kHz channelling (f) RFS 25 FM 25 kHz channelling (g) RFS 26 FM 12.5 kHz channelling (h) AS/NZ 4768 Digital 12.5 / 25 kHz channelling (i) ETSI EN 300 394-1 TETRA 25 kHz channelling (j) RFS 32 FM Trunked Despatch 12.5 kHz channelling (k) AS/NZS 4769 AM and FM Paging (l) RFS 27 Telemetry and Telecommand (m) RFS 36 Fixed 25/50 kHz channelling (n) RFS 37 Fixed 75–500 kHz channelling	3 or A A 3 or A A A A A 3 or A A A 3 or A A A A
<u>Channelling</u>	<u>Emission Bandwidths</u>																	
12.5 kHz	up to 12.5 kHz																	
25 kHz	>12.5 kHz and up to 25 kHz																	
50 kHz	>25 kHz and up to 50 kHz																	
75 kHz	>50 kHz and up to 75 kHz																	
100 kHz	>75 kHz and up to 100 kHz																	
250 kHz	>100 kHz and up to 250 kHz																	
500 kHz	>250 kHz and up to 500 kHz																	
4. Mobile Satellite Service (MSS) Mobile Earth Stations (MES) being handheld, portable, and vehicle mounted equipment operating in the bands 1610 – 1660.5 MHz and 1980 – 2010 MHz	(a) Recommendation ITU-R M1343 (b) ETSI TBR 041	A A																

TABLE 3 – Unwanted Emission Limits

Unwanted Emissions Limit (peak power)	Frequency Range	Receiver Measurement Bandwidth
- 56dBW (2.5µW) e.i.r.p. (59 dBµV/m at 10 metres)	< 150 kHz	200 Hz
	150 kHz to 30 MHz	9 kHz
	30 MHz to 1 GHz	120 kHz
	> 1 GHz	1 MHz

SCHEDULE C

PRODUCTS DEEMED TO COMPLY WITH THIS NOTICE

Australia

A product to which Schedule A of this notice applies is deemed to comply with the requirements of this notice if the product is labelled and supplied in accordance with the requirements of:

- (a) a notice issued by the Australian Communications Authority under section 182 of the Australian Radiocommunications Act 1992;
- (b) a standard made by the Australian Communications Authority under subsection 162(1) of the Australian Radiocommunications Act 1992.

SCHEDULE D

SUPPLIER RETURNS IN RESPECT OF RADIO TRANSMITTERS

A holder of a licence to supply radio transmitters, granted under regulation 19, is not required to supply returns for:

- (a) transmitters designed for operation on frequencies to which Part IV of the Act applies, including cellular telephones operating in the frequency ranges 806 – 960 MHz, 1710 – 1880 MHz and 1920 – 2200 MHz;
- (b) Mobile Earth Station (MES) transmitters operating in the frequency ranges 1610 – 1660.5 MHz and 1980 – 2010 MHz;
- (c) Land Mobile 'two frequency' semi-duplex mobile transmitters, except those that are fitted with a semi-duplex 'single frequency' (known as a 'simplex channel').
- (d) transmitters to which Table 1 of schedule B of this notice applies, except those that are:
 - (i) Short Range Devices operating in the frequency range 88 – 108 MHz;
 - (ii) operating in the maritime service in the frequency range 156 – 163 MHz.

SCHEDULE E

Supplier Declaration of Conformity (for Levels of Conformity 1, 2 and 3)

Section 134 of the Radiocommunications Act 1989



THIS COMPLETED FORM REMAINS WITH THE SUPPLIER AS PART OF THE DOCUMENTATION REQUIRED FOR THE "COMPLIANCE FOLDER" DO NOT SUBMIT THIS FORM TO THE MINISTRY

Supplier's Details

<p>Name (of New Zealand manufacturer, importer or agent)</p> <input style="width: 95%; height: 25px;" type="text"/>	<p>Address (Street, Suburb, City)</p> <input style="width: 95%; height: 25px;" type="text"/> <input style="width: 95%; height: 25px;" type="text"/> <input style="width: 95%; height: 25px;" type="text"/> <p style="text-align: right;">Postcode</p>
<p>Trading Name (if different)</p> <input style="width: 95%; height: 25px;" type="text"/>	
<p>New Zealand Company Number (if applicable)</p> <input style="width: 95%; height: 25px;" type="text"/>	<p>Contact Information</p> <p>Telephone</p> <input style="width: 95%; height: 25px;" type="text"/>
<p>Postal Address</p> <input style="width: 95%; height: 25px;" type="text"/>	<p>Fax</p> <input style="width: 95%; height: 25px;" type="text"/> <p>E-mail</p> <input style="width: 95%; height: 25px;" type="text"/>

Product Details

Brand Name	<input style="width: 95%; height: 25px;" type="text"/>
Type and Model	<input style="width: 95%; height: 25px;" type="text"/>
Description and Function	<input style="width: 95%; height: 25px;" type="text"/>
Applicable Standard	<input style="width: 95%; height: 25px;" type="text"/>

Supplier Identification (as affixed to product)

Supplier Code Number (SCN); or Registered Name and Address; or Registered Company Number; or Registered GST Number; or Registered Trademark; or	<input style="width: 95%; height: 50px;" type="text"/>
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Declaration

<p>I declare that the product complies with the standard specified, and that all products to be supplied under this Declaration will be identical to that product.</p>	<p>Signature of Authorised Person</p> <input style="width: 95%; height: 25px;" type="text"/>	<p>Date</p> <input style="width: 95%; height: 25px;" type="text"/>
<p>Position in Organisation (If Applicable)</p> <input style="width: 95%; height: 25px;" type="text"/>	<p>Print Name</p> <input style="width: 95%; height: 25px;" type="text"/>	

SCHEDULE F

Supplier Declaration of Conformity (for Level of Conformity A)



Section 134 of the Radiocommunications Act 1989

This completed form, accompanied by a fee of \$112 (GST inclusive), should be sent to:
Product Declaration Officer
PO Box 8562 Riccarton
Christchurch
New Zealand

Supplier's Details

Name (of New Zealand manufacturer, importer or agent) <input style="width: 95%; height: 25px;" type="text"/> Trading Name (if different) <input style="width: 95%; height: 25px;" type="text"/> New Zealand Company Number (if applicable) <input style="width: 95%; height: 25px;" type="text"/> Postal Address <input style="width: 95%; height: 25px;" type="text"/>	Address (Street, Suburb, City) <input style="width: 95%; height: 25px;" type="text"/> <input style="width: 95%; height: 25px;" type="text"/> <input style="width: 95%; height: 25px;" type="text"/> Postcode Contact Information <input style="width: 95%; height: 25px;" type="text"/> Telephone <input style="width: 95%; height: 25px;" type="text"/> Fax <input style="width: 95%; height: 25px;" type="text"/> E-mail
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Product Details

Brand Name	<input style="width: 95%; height: 25px;" type="text"/>
Type and Model	<input style="width: 95%; height: 25px;" type="text"/>
Description and Function	<input style="width: 95%; height: 25px;" type="text"/>
Applicable Standard	<input style="width: 95%; height: 25px;" type="text"/>

Conformity Testing

Name of Testing Body	<input style="width: 95%; height: 25px;" type="text"/>
Address of Testing Body	<input style="width: 95%; height: 25px;" type="text"/>
Test Report Number / Reference and Date	<input style="width: 95%; height: 25px;" type="text"/>

Declaration

I declare that the product complies with the standard specified, and that all products to be supplied under this Declaration will be identical to that product.	<table style="width: 100%; border: none;"> <tr> <td style="border: none; text-align: right;">Signature of Authorised Person</td> <td style="border: none; text-align: right;">Date</td> </tr> <tr> <td colspan="2" style="border: none;"><input style="width: 95%; height: 25px;" type="text"/></td> </tr> </table>	Signature of Authorised Person	Date	<input style="width: 95%; height: 25px;" type="text"/>	
Signature of Authorised Person	Date				
<input style="width: 95%; height: 25px;" type="text"/>					
Position in Organisation (If Applicable) <input style="width: 95%; height: 25px;" type="text"/>	Print Name <input style="width: 95%; height: 25px;" type="text"/>				

DATED AT Wellington this *11th* day of *October* 2001



Katharine Josephine Moody
Manager Radio Spectrum Management
Ministry of Economic Development

Explanatory Note

This note is not part of the Notice, but is intended to indicate its general effect.

This notice prescribes:

- (i) classes of products, being interfering equipment and susceptible equipment as defined in section 2(1) of the Radiocommunications Act 1989; and
- (ii) the standards applicable to particular classes of products; and
- (iii) the level of conformity applicable to any class of product; and
- (iv) the requirements to be met by suppliers of products for each level of conformity; and
- (v) products deemed to comply with the notice; and
- (vi) forms of Declarations of Conformity; and
- (vii) the products for which a return of sales, or supply, is not required.