



## Headquarters - Info - Line

... a service from ...

The New Zealand Association of  
Radio Transmitters Incorporated



**Special Issue**

**4<sup>th</sup> July 2006**

Greetings Everyone!

Welcome to this special edition of **Headquarters-Info-Line** a bulletin of news from NZART Headquarters E-mailed directly to Branches.

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### **North Shore City Council proposed District Plan change threatens the future of Amateur Radio operations as North Shore Amateurs currently enjoy it!**

*Plan Change #18 from the Council proposes a maximum of two antennas/aerials (of any type) on your house. If you've already got a TV aerial and a Sky dish – that's it!*

*The plan also has severe restrictions on antenna height and size and limitations on mast height and size.*

*It also introduces a requirement to have your radio emissions measured to ensure compliance with the New Zealand Standard. – Which you have to pay for!*

Information on the North Shore City Council proposed plan, it can be found at [www.northshorecity.govt.nz](http://www.northshorecity.govt.nz) click on "**Have Your Say**", and on "**Consulting On**", then "**District Plan Modifications.**" Proposed Plan 18 is the document that vitally affects us all as Amateur Radio Operators.

Attached to this Special Edition of HQ-Info-Line is a proforma further submission in PDF format.

Any person can complete a further submission of support, by entering in the pro forma their name, address, contact details, and signing and forwarding the document to reach:

**The Chief Executive, North Shore City Council, Private Bag 93500,  
Takapuna, NORTH SHORE CITY. Attn: Environmental Policy & Planning.  
(by 5pm Friday 7th July 2006)**

You can support this endeavour to obtain more reasonable District Plan Rules by sending a copy of the pro forma submission with your details completed to the North Shore City Council as detailed above.

Your support now could eventually lead to less restrictive rules in your own District's Plan.

The deadline for submissions is to be with the North Shore City Council by **5 pm this Friday July 7<sup>th</sup> 2006.**

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#### **Dates To Remember:**

- **Next HQ-Info-Line e-mailed this Sunday 9 July 2006**
- **Next NZART Official Broadcast Sunday 30<sup>th</sup> July**

73

**Jim Meachen ZL2BHF**

**Editor**

# SUBMISSION ON A PROPOSED CHANGE TO THE DISTRICT PLAN



TO: The Chief Executive  
North Shore City Council  
Private Bag 93500, Takapuna  
NORTH SHORE CITY

ATT: Environmental Policy & Planning

Fax: (09) 486 8500

Pursuant to CLAUSE 6 of the First Schedule  
to the Resource Management Act 1991

For Council use only

Submission No: .....

Recorded: .....

Date: .....

## FORM 5

PLEASE USE A SEPARATE FORM FOR EACH SUBMISSION

1. Number and name of the Proposed Change: Proposed Plan Change 18
2. The specific provisions of the Proposed Change that my submission relates to are as follows:  
The rules controlling Radio Amateur aerials, antennas and masts.  
The mandatory random testing of RF radiation from Amateur Radio stations (see Appendix A)
3. My submission is that: (Give a summary of the nature of your submission. Indicate clearly whether you support or oppose the specific provisions, or if you want to have them changed. Give your reasons)  
Change the proposed controls on Radio Amateur aerials, antennas and masts.  
Oppose mandatory testing of RF radiation of Radio Amateur stations and change the method of complying with NZS2772.1. (continued)

(Continue on another sheet if necessary, attach it to your submission form)

4. I seek the following decision from the North Shore City Council:  
(Give precise details of the changes to the Proposed Change that would satisfy your submission)  
Change the proposed rules covering the Radio Amateur service to provide the ability to function under the terms and conditions of the licenses issued by The Ministry of Economic Development, Radio Spectrum Management. (continued)

(Continue on another sheet if necessary, attach it to your submission form)

5. I wish to be heard in support of my submission. Yes  No
6. If other parties make a similar submission to mine: I am willing to make a joint presentation with them at any hearing. Yes  No

7. Name of Submitter: (please print) \_\_\_\_\_
- Name of Organisation (if appropriate) \_\_\_\_\_
- Position in Organisation (if appropriate) \_\_\_\_\_

8. Address: \_\_\_\_\_ Postal address/Address for service (if different): \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Signed: \_\_\_\_\_ Contact Phone: \_\_\_\_\_  
(Signature of person making submission, or person authorised to sign on their behalf)

Date: \_\_\_\_\_ Fax: \_\_\_\_\_

A signature is not required if you make your submission by electronic means.

## **Proposed North Shore City Plan Change 18**

### **Submission on Proposed Plan Change 18**

**The specific provisions of the Proposed Change that my submission relates to are as follows:**

Paragraph numbers: 14.1, 14.3.2.9, 14.3.2.11, 14.4.2, Table 14.1 (Control of activity relating to actively emitting RF, aerials, antenna, and masts), 14.5.1.1, 14.5.1.2(a), 14.5.1.2(b)(i), 14.5.1.2(b)(ii), 14.5.1.2(b)(iii), 14.5.1.3, 14.5.2.2, 14.5.2.4, 14.5.3.1.1(i), 14.5.3.1.1(ii), 14.5.3.1.1(iii), 14.5.3.1.2(i), 14.5.3.1.2(ii), 14.5.3.2.1(a)(i), 14.5.3.2.1(a)(ii), 14.5.3.2.1(a)(iii), 14.5.3.2.1(b)(i), 14.5.3.2.1(b)(ii), 14.5.3.2.2(a)(i), 14.5.3.2.2(a)(ii), 14.5.3.2.2(a)(iii), 14.5.3.2.2(b)(i), 14.5.3.2.2(b)(ii), 14.5.3.3, 14.6.2.6, 14.7.1.6, 3.10.7.1, Section 21 definitions 3.2, 5.2.2, 5.2.3. A listing of each of these is shown attached as Appendix 1.

### **My submission is that:**

Amateur Radio (commonly known as "Ham Radio") is a recreational and self-training activity and a communication service that is established and governed by international statute. It fosters cutting-edge experimentation in radio-technology and related topics, and provides a pool of scientific research worldwide. As a result of this wide spread radio expertise, Amateur Radio is in the forefront of emergency communications facilities, both internationally and locally. For these reasons, Amateur Radio is a 'public good' and has been held in that light by Central Government since it enacted the "Wireless Telegraphy Act, 1923".

The amateur radio license issued by the Ministry of Economic Development permits the use of 28 bands of frequencies from 130kHz to 1000GHz and encourages licensees to prepare for and meet the communication needs of national and international disaster relief. To effectively meet this need, Amateur Radio requires appropriate aerials and antennas; it can only function with aerials of adequate sizes and heights.

The power limit for amateur transmitters is higher than for other licenses in recognition of the need to communicate internationally. I support the need to comply with NZS2772: Part1: 1999 Radio Frequency Fields "Maximum exposure levels 3kHz – 300GHz" but consider that random field testing is inappropriate because of the experimental nature of the station.

Amateur Radio operators, by international regulatory definition are without pecuniary interest, so have limited resources to meet unduly restrictive requirements for planning processes or the costs of independent measurement of radiated emissions.

I oppose the proposed plan since it fails to accommodate as permitted uses the reasonable requirements of amateur radio operators and the amateur radio service, through excessive limitations on the height, location and numbers of radio aerials and antennas and their supporting structures.

I wish to have the plan amended to remove the unduly severe restrictions of the proposed plan on the amateur service, so as to allow as permitted uses antennas erected at proper height and dimensions and in sufficient number for communications effectiveness and experimentation and otherwise to reasonably accommodate amateur radio service communications.

I also wish to have the plan amended to remove the requirement for licensed amateur radio operators to have their radio frequency emissions subject to monitoring and inspection and to have to pay a fee for this requirement. The amateur radio service is a self-regulating body and is aware of its obligations to comply with the requirements of NZ Standard NZS2772:Part 1: 1999.

**I seek the following decision from the North Shore City Council:**

In all residential zones:

- Permit the use of pole structures not exceeding 80mm in diameter to be used for supporting aerials and antenna.
- Increase the height limits for amateur aerial and antenna supporting structures to 18 meters.
- Allow the height of antennas mounted on buildings to be no less than for antennas on other supporting structures.
- Remove the application of height control planes to amateur antennas and their supporting structures.
- Reduce the setbacks of simple pole structures to 0.5 meters on all boundaries, and for mast structures to 1.5 metres.
- Allow amateur communication satellite dishes up to 4 meters diameter.
- No limitation on numbers of amateur antennas and their supporting structures.
- Incorporate the following wording : “The requirement for mandatory random field testing shall not apply to the holder of an amateur radio license”.

## Appendix 1

### NSCC Plan Change 18 Detrimental effect on Amateur Service

Page	Section	Statement	Damage
3	14.1	Telecoms include privately owned aerials and antennas	
6	14.3.2.9	Encourage aerials on buildings, no masts	can not support wire aerials
6	14.3.2.11	Control RF design, site etc	prevent experimentation
8	14.4.2	Control network utilities	prevent experimentation
11	Table 14.1	Control all activity emitting RF	prevent experimentation
11	Table 14.1	Control aerials	prevent experimentation
11	Table 14.1	Control antennas	prevent experimentation
12	Table 14.1	Control masts	prevent experimentation
17	14.5.1.1	Report as required by S3.10.7.1.6	prevent experimentation
17	14.5.1.2(a)	RF fields comply with NZS 2772.1	prevent experimentation
17	14.5.1.2(b)(i)	Subject to random independent monitoring	excessive cost
17	14.5.1.2(b)(ii)	Applicants cost	excessive cost
17	14.5.1.2(b)(iii)	no more than 10% each year	excessive cost
17	14.5.1.3	Electric & magnetic fields	excessive cost
18	14.5.2.2	Structure screened by landscaping	compromise aerial performance
19	14.5.2.4	Control all structures over 1.8 m high	compromise aerial performance
19	14.5.3.1.1(i)	Aerials no higher than 3 m above attachment	compromise aerial performance
19	14.5.3.1.1(ii)	only 2 aerials per building	prevent operating all bands
19	14.3.3.1.1(iii)	Aerial dimension 3 m max	prevent MF & HF operation
20	14.5.3.1.2(i)	only 1 aerial per mast	prevent MF & HF operation
20	14.5.3.1.2(ii)	aerial max dimension 1 m	prevent MF & HF operation
20	14.5.3.2.1(a)(i)	antenna max height above building 2m	prevent MF & HF operation
20	14.5.3.2.1(a)(ii)	no more than 2 antennas	prevent MF & HF operation
20	14.5.3.2.1(a)(iii)	no closer than 1 m from boundary	prevent MF & HF operation
20	14.5.3.2.1(b)(i)	antenna placement below ridgeline/not facing road	prevent MF & HF operation
20	14.5.3.2.1(b)(ii)	antenna not visible from road	prevent MF & HF operation
20	14.5.3.2.2 a(i)	Antennas in other zones rural 3m above roof	prevent MF & HF operation
21	14.5.3.2.2a(ii)	no more than 1 antenna on façade	prevent MF & HF operation
21	14.5.3.2.2a(iii)	yard control of antennas	prevent MF & HF operation
21	14.5.3.2.2b(i)	antenna below roofline	prevent MF & HF operation
21	14.5.3.2.2b(ii)	antenna not on façade	prevent MF & HF operation
21	14.5.3.3	height of mast including radiator zone height	prevent MF & HF operation
31	14.6.2.6	Control of antennas and masts	prevent MF & HF operation
31	14.7.1.6	Control aerial height, appearance and location from ridgelines	prevent MF & HF operation
36	3.10.7.1	Need NZS 2772.1 report before aerial application	prevent MF & HF operation
36	Section 21 definitions	RF fields exemptions	prevent MF & HF operation
37		Aerials: yagis and whips no greater than 80mm diameter	prevent MF & HF operation
37		Antennas: dish or panel type radiator	prevent MF & HF operation
37		Masts: ground mounted pole structure	prevent MF & HF operation
37		Radio communication: any mode transmitter	prevent MF & HF operation
38		network utility (d) includes privately owned aerials & antennas	prevent MF & HF operation
42	3.2	Adverse effects of aerials	prevent MF & HF operation
46	5.2.2	Aerials, antennas and masts must be controlled	prevent MF & HF operation
46	5.2.2	Private aerials and antennas	prevent MF & HF operation
48	5.2.3	RF fields: Private radio hams can emit high levels of RF	prevent MF & HF operation