

THE WORLD BELOW

400 GHz

The Periodical Newsletter of the
WAIKATO VHF GROUP Inc.,
ZL1IS,
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Hamilton 3240.



NZART
BRANCH 81

www.zl1is.info

JUNE 2018 ISSUE

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Committee	Kevin Hampshire	ZL1KRH	07 544 5987
Editor	David King	ZL1DGK	07 884 9590

General Meeting June 2018

A General Meeting of the Waikato VHF Group
will be held on

Sunday, 17th June, 2018 at 1:30pm

at the Silver Fern Farms Event Centre, (aka Te Aroha Events Centre), 44 Stanley Ave., Te Aroha.

Click [HERE](#) for a location map of the Te Aroha Events Centre.

The speaker for the meeting will be Ian Ashley, ZL1AOH, who will be giving us a presentation on flying a Boeing 747 during his time as a pilot for Air New Zealand.

Non members and visitors most welcome.

WAIPLENTY NETWORK

As of the 6 May 2018, the Waihi North repeater on 145.475 MHz is off the air due to a failure of the battery charger causing the battery to run down to 2vdc. A replacement charger is on order and a battery is being sourced. We hope to have it back on air as soon as possible.

The installation of the new equipment for Te Uku is being held up due to a further delay with the installation of a replacement feeder for the Te Weraiti facing yagi.

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NATIONAL SYSTEM

As of 13 May 2018, the Taupo node on 434.825 MHz is currently off the air due to a failure of the RF power amp module. No estimated time of repair is available.

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Repeaters/Beacons

The Waikato VHF Group owns and maintains a number of repeaters and beacons in the greater Waikato and Bay of Plenty area. These are available for sponsorship for a period of 1 year. Please see <http://zl1is.info/sites.html> for a list of repeaters, beacons & links that are currently available for sponsorship. If you are interested in sponsoring one of them, please contact our Secretary (ZL1GWP) or Treasurer (ZL1TAT).

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Submissions received for 5G spectrum

The New Zealand regulator, **RSM**, report submissions for the **5G** discussion document have been published on the RSM website. This follows a technical consultation for preparing for 5G in New Zealand. Over 300 submissions were received.

RSM will be providing advice to the Minister of Broadcasting, Communications and Digital Media over the coming weeks and months.

[View the 5G submissions](#)

{I've included this as some of the submissions refer to the on-going debate about health effects of radiation at cell phone frequencies and power levels - Editor}

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TT7 High Altitude Balloon



An antenna for tracking [TT7 High Altitude Balloon](http://tt7hab.blogspot.com/2016/05/the-new-antennas.html) on 434MHz. Linked article includes Smith Charts and other modeling used to design the antenna. It then goes into creating this antenna.

<http://tt7hab.blogspot.com/2016/05/the-new-antennas.html>

NZ Amateur Beacons, Digipeaters, Links, Repeaters, and Sites.

The Wellington VHF Group has an [interactive map](#) showing all of the above. You are able to adjust the display to show what you want to see.



**NEW PLYMOUTH
AMATEUR RADIO
BRANCH 27
JUNK SALE**

**Saturday
1st
September
10:00am**

Venue: Mangorei
Memorial Hall
Corner Kent Rd and
State Highway 3, New
Plymouth



Please contact the Secretary to a reserve table

or more information on Secretary@zl2ab.com

Please see www.zl2ab.com for more information