

The Geelong Amateur Radio Club operates three repeaters, two and some beacons from Mt Anakie, a shared site about 400m above sea level, some 30km north of Geelong and one at Montpelior, near the city of Geelong. The MtAnakie repeaters both use the callsign VK3RGL, and are on the 2 meter band, 147.000 out, 146.400 input, and the 70cm band, 439.575 out, 434.575 input, . The beacons are on 144.530 and 432.530Mhz, each using two directional aerials, split so as to point to MtGambier and Brisbane.

An additional 2m repeater VK3RGC, 147.125 out and 147.725 in, is newly rebuilt and operating from Montpelior, 115m high resevier site overlooking Geelong City. CTCSS and IRLP are expected to be added to this repeater in the future.

Each repeater now has two coverage maps, a Geelong local area view, and a wide area view, making a total of 6 maps. These are new maps, created during February 2009, and using rectangular dimensions, rather than the polar versions used previously.

They were generated by, Radio Mobile, a program written by Roger Coudé VE2DBE, in Canada, <http://www.cplus.org/rmw/english1.html>, also shown in the "Links" list, and driven by an experienced operator, Bert VK3TU, who last year demonstrated it at a GARC meeting.

The expected signal strengths are for a mobile about 1.5m above ground, if you have a home station with a higher aerial, then the signal will be stronger.

The inner blue area is for greater than 20uV signal strength, then the green is for 2 to 20uV, and the red is for 0.2 to 2.0uV.

These are 20db steps, and actual experience suggests that the accuracy is quite good.

See how the high spots, such as the You Yangs (hills) cast a shadow towards the south east.

In 2008 we changed to CTCSS tone access for the VK3RGL 2m repeater, because it shares the channel frequency with VK7RAA at Mt Barrow (1400m) in Tasmania, and VK3RNE at Mt Big Ben (1158m) near Wodonga, and openings to these areas are common. For up to date repeater list, see the WIA site on the links list.

Other long range country 2m repeaters accessible from Geelong are:

Mt William (1170m) in the Grampians, VK3RWZ, 146.950 out, 146.350 in, VK3RWU 438.675 out, 433.675 in, (needs maintenance)

Mt Baw Baw VK3RWG (1563m) 147.225 out, 147.835 out, in the opposite direction.

Mt Macedon VK3RMM 147.250 out, 147.850 in, 439.850 out, 434.850 in.

Mt Bunninyong VK3RBA 147.750 out 146.150 in.

MtMartha VK3RSP 146.675 out 146.075 in, with IRLP

Beech Forest VK3ROW 147.275 out, 147.875 in

MtTassie VK3RLV 146.8 out, 146.2 in





