



Possible use of the 5351.5–5366.5 kHz band by the amateur service - consultation 13/2020

Northern Corridor Radio Group

The Northern Corridor Radio Group represents radio amateurs and is based in Perth, having 50 members.

The club maintains a sophisticated amateur radio station, consistently winning amateur radio contests.

A remote station is maintained for club members.

Club members frequently partake in EME (Earth Moon Earth) communications.

A Reverse Beacon is currently being deployed by the club.

The NCRG embraces community engagement via activities such as JOTA (Jamboree on the Air) to support service organisations like the Scouts and Guides with a view to developing future amateur license holders.

Which countries currently have access to the 5MHz band

A list of countries currently having access to the 5MHz band is shown in Appendix A

Why should Australian Radio Amateurs have access ?

5MHz has predictable propagation qualities that combine the best aspects of 40 meters and 80 meters. In Australia, , 5MHz provides constant communications during hours of twilight and darkness. Many non-governmental and governmental HF systems around the world depend upon 5MHz daily.

A standard dipole tuned for 5.3 MHz would be less than 27m long, enabling most suburban operators to easily erect an antenna and enable communication experimentation.

The 60m band is less affected by D layer absorption than 80, thus it is an ideal candidate for Near Vertical Incidence Skywave (NVIS). This is the most commonly used method of providing reliable local to mid range distance HF communications.

The band would be ideal for emergency communications in the case of natural disasters.

Access to the 5MHz band would significantly increase the possibility for DX communications for Australian radio amateurs.

Which option is recommended ?

We recommend Option 2, excluding the top 1.5kHz to mitigate against most known sharing issues.

Thanking you

A handwritten signature in black ink, appearing to read 'Tim Jones'.

Tim Jones

VK6EI - NCRG President

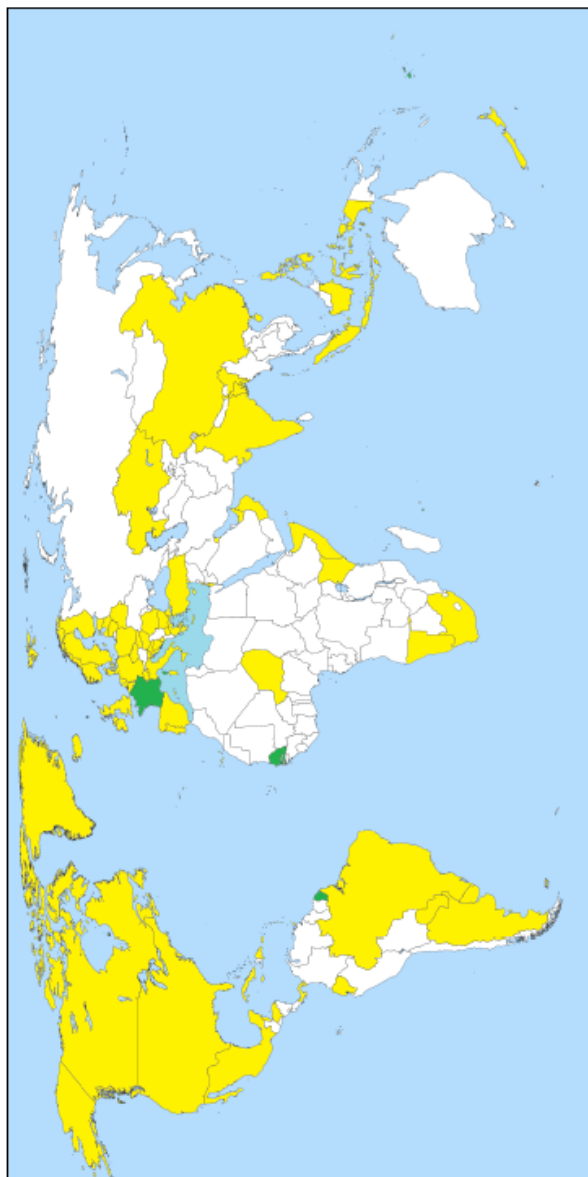


Appendix A – Current countries having access to the 5MHz Band

(Ref RSGB 5MHz Newsletter)

THE 5 MHz NEWSLETTER Winter/Spring 2020

The World of 5 MHz Spring 2020



THIS MAP shows all the countries that currently have an official Amateur Radio presence on 5 MHz, whether it be by WRC-15, RR 4.4, Trial Basis or any combination of these. They are (latest in Green):

Andorra, Argentina, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Belize, Bosnia & Herzegovina, Brazil, Bulgaria, Canada, Caribbean Netherlands, Cayman Islands, China, Croatia, Cuba, Cyprus, Czech Republic, Denmark Including the Faroe Islands, Dominica, Dominican Republic, Ecuador, Estonia, Finland, France & Territories, Germany, Greece, Greenland, Grenada, Honduras, Hong Kong, Hungary, Iceland, India, Indonesia, Israel, Italy, Jamaica, Kazakhstan, Kenya, Kuwait, Latvia, Lithuania, Luxembourg, North Macedonia, Malta, Mexico, Namibia, Netherlands, New Zealand, Niger, Norway, Oman, Panama, Paraguay, Philippines, Poland, Portugal including the Azores Islands, Republic of Ireland, Romania, Samoa, Senegal, Slovakia, Slovenia, Somalia, South Africa, Spain, St Kitts & Nevis, St. Lucia, Sweden, Switzerland including Liechtenstein, Trinidad & Tobago, Turkey, United Arab Emirates, United Kingdom, United States of America & Dependencies and Uruguay.

Given that there are reckoned to be 195 countries in the World (UN) and at the present time of Spring 2020 there is a total of 80 countries currently with a 5 MHz/60m Amateur Radio presence means that 41.0% - or well over one third of the World - is now active on 5 MHz/60m, with hopefully more to come as administrations gradually adopt the WRC-15 decision in whatever format they are able to.