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Subject: KIWI Network receivers

Committee(s): C4

Summary:

1. Introduction:

For the last few months RAAG is following with interest the progress of a growing network of Kiwi sdr receivers and their ability to pinpoint intruders and QRMers in the HF amateur bands. Everyone, who is a DXer and working especially CW, will find one or more cases he witnessed of intentional QRM on the Amateur HF bands.

2. Background:

As noted already by DARC and others, the network of Kiwi sdr receivers has the potential to become an invaluable tool assisting IARU and member societies to pinpoint these offending stations and act accordingly.

This is definitely not the first try in this field, some years ago there was a small team of participants among IARU Region I member societies (RAAG was among them) using a British originated web application to manually enter bearing and strength data to calculate the position of the offending station with triangulation. Although the idea was good, it had several drawbacks like demanding equipment, operator skills and many hours to spend in monitoring. So it was merely supported and finally came to abandoned state.

3. Proposal:

This paper suggests that member societies should join and enlarge the network of sdr HF receivers with an affordable cost and great capabilities (bandwidth 0-30 MHz). Member societies can promote further the project by suggesting their members to participate as well due to the affordable cost and by submitting them with proper information and guidance.

4. Recommendation:

IARU HF committee (C4, to investigate further the matter and issue a note to every member who can support this idea in order to install and enlarge the already active network and to further supply member societies with more information, web links, DARC notes, examples etc.

5. Financial Implications:

RAAG is planning to install 2 such receivers in the near future and we encourage other member societies to do so, depending on their financial state. We estimate the cost will be no more that 800 euro for a pair of receivers