

Technical Report

GB3EA

We've had more than our fair share of problems during the last year, however we seem to have resolved these now! There were some problems with the radio which Alan's magic touch resolved, during the install of EZ Alan and Dave found one of the relays faulty which was replaced, all was well for a while until early this year when we received reports of the repeater being down in signal strength, a site visit revealed a problem with the aerial and or feeder, the services of the BT riggers were called upon to investigate further, a minute amount of water was found in one of the joints up the tower, the join has been remade and reports indicate all is now Ok.

Future Plans: As part of the upgrade of EA to make the radio hardware digital ready as the proposed new radio will cope with data modes, this was discussed by the group and subject to Analogue service being the primary mode and reasonable cost the meeting agreed that this work should proceed.

To investigate a period of grace where 1750 access could be enabled to try and encourage some users with older radios to try the box and then offer a ctcss add on project. subject to approval by the ETCC / Ofcom

GB3EZ

has worked well from day one, the Logic has been upgraded to the G1YFF logic, this has resolved the repeater lock-up during lift conditions which had previously held the box open for long periods. Future Plans: Install PCB based version of the G1YFF logic and a possible change out of the Combiner / Preamp unit

GB3EF

Has been rebuilt the new repeater is based on a Tait T300 PMR low band Base station modified to 6M, this had the first version of the G1YFF logic in use with the Groups repeaters Initially we had some problems with external noise caused by the proximity of the Mendlesham broadcast station adding an extra filter seems to have resolved this problem. We have been donated an Air Con unit which we hope to install before the hut gets too hot. Many thanks to G0XBJ for this unit

No major plans for EF, we'd like to up the power so we can run the Licensed ERP, A possible source for a 100W unit has been found in the USA which just needs collection!

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Other Projects

Working with Keith G7DNT on possible internet linking for GB3IH

Assisting the HF Directorate with the 10M project