

High House Farm—Heritage Open Day

We were located in the East Barn and while setting up the antennas found that the railway embankment resisted putting poles into, thankfully Gary M5YIG had his delta loop in the car so we used this for HF. A quick burst of activity on FT8 after setup led to us working Japan for our second contact (Thanks Gary). We made 21 contacts and had several visitors. Some club members took advantage of the tour around the Backstage Centre, this modern Film and TV production facility and rehearsal venue is an amazing place if you have ever wondered what goes on behind the scenes.



Saturday 8th October—Essex Wildlife Trust Mucking



We will be at the Nature Discovery Park for possibly our last public event of the year. Setup will be from 8am, hopefully we will be demonstrating data, HF and VHF voice. Why not come along and show your support, remember Foundation licence holders can operate using higher power than their own licence. We will be located alongside the centre café (something for non ham family members).

For those that need to find us, google Mucking Wharf Road, after the gates follow the unmade road and then the single track road to the centre.

Club Winter Events

Last year we ran a Raspberry Pi teaching session, if anybody would like something similar let me know. Perhaps we could attempt a group project of some kind? Any ideas?

I know some members have mini VNA's and antenna analysers, did you know that they can do more than just measure VSWR?. We will have a presentation on just this subject at some point.

If anybody can do a talk or presentation please let me know. Also if there is something specific you would like to know more about let me know about this and I'll try to get a speaker on this.

Christmas Party

As long term members will remember, for our December meeting we usually have an informal party. We have the option to see if we can hire the Scout Hall in Grays. However with the threat of a winter covid surge I would like to see what the thoughts of the membership are prior to organising the event for this year. If there is no support then it will be cancelled.

To reply to any questions please e-mail me at chair@taarc.co.uk



EMF REGULATIONS

Let me start by reminding members that the EMF regulations for 40 metres and below come into force this November.

While doing EMF assessments for events, I have noticed some major changes to the calculator results, mostly to our advantage. Originally the calculator only worked down to 30m and this was the worst case scenario band based on the ICNIRP 1998 regs. However the new web based calculator (I have been unable to find the download version) also shows results based on the ICNIRP 2020 regs, the worst case scenario band is now 10m.

The results below show compliance distance for a G5RV 100w Processed SSB with no cable loss:-

BAND	OLD SPREADSHEET	WEBPAGE ICNIRP 1998	WEBPAGE ICNIRP 12020
30M (10.1-10.15)	4.7M	4.6M	2.1M
20M (14.0-14.35)	3.4M	3.3M	2.0M
17M (18.068-18.168)	3.4M	3.5M	2.4M
15M (21.0-21.45)	3.8M	3.9M	3.0M
12M (24.890-24.990)	4.0M	4.1M	3.5M
10M (28.0-29.7)	3.4M	3.9M	3.7M
6M (50-52)	4.0M	4.6M	4.6M

These changes from the 1998 regs mean that all those people that operate ground mounted 40m verticals can now breathe again, with clever positioning even 10m can be viable in an average garden. Remember also that these regs ONLY apply if there are persons present in the regulated zone. Note that the limitations stated in the calculator mean that it is not accurate for radiators longer than one half wavelength.

In light of these changes I would advise that everyone rechecks their compliance reports with the new calculator.

If you have any questions please email me on chair@taarc.co.uk and I'll try to help.

Eddie GOBKL