Preliminary information only!

Microphone amplifier testing
Oscillator testing

Size is 145 x 57 x 29mm (excluding switch, sockets etc.). The case is made from single sided unetched

See original Fredbox at G3XBM's homepage .

{gallery}fredbox/fredbox{/gallery}
{gallery}fredbox/panel{/gallery} Front panel layout. Charging LED is lit only while charger is plugged i
{gallery}fredbox/front{/gallery} Fredbox with whip antenna plugged in.
{gallery}fredbox/board{/gallery} Internal view, showing circuit sections. Construction is "ugly" on single sidec
{gallery}fredbox/rx{/gallery} Closeup of receiver section. The two coils in the foreground are L1 and L2,
{gallery}fredbox/tx{/gallery} Closeup of transmitter section. Microphone amp is lower left. Crystal and do
{gallery}fredbox/linear{/gallery} VHF linear is from Harry's Homebrew .

{gallery}fredbox/battery{/gallery} Battery pack under construction. Uses ten NiMH cells with 600mAh capacity
{gallery}fredbox/pp3{/gallery} Battery pack is slightly larger than a standard 9V PP3 battery.
{gallery}fredbox/lcheckm{/gallery} "INDUCTANCE LAB": an SA602 wired as oscillator and feeding

{gallery}fredbox/sa{/gallery} Typical spectrum analyser screen, showing the internal 10MHz marker calib
{gallery}fredbox/circuit{/gallery} Circuit diagram as I have built it.
{gallery}fredbox/72mhz{/gallery} Spectrum at output of crystal oscillator and doubler. Scale is about 60MHz (
{gallery}fredbox/g0upl{/gallery} G0UPL's kitchen table! Fredbox in the foreground. Behind that (roughly left