

EI-0-CL



# EI-0-CL

EXPERIMENTAL RADIO STATION

CRAUGHWELL-GALWAY-IRELAND

CALL	DATE	FREQ.	MODE	REPORT
KB6TWA	5/3/00	242	SSB	5-50 19.08

Chank

Thanks for the nice contact, I,m active 1. 8 to 423 incl 6,4 & 2M  
Most active 20,17,15,12 & 10 Meters

Run 600' wire @60' fed East end firing NW , fed open wire line  
Station HB Linear 2x3/500, HB ATU, HB PSU,s & Drake TR7A

Station Located on Ireland's Atlantic Coast-op - Michael Higgins

Ops ~~Fixed~~ MM AM EA8 G4CIV

[www.cellcom.ie](http://www.cellcom.ie) ----[info@cellcom.ie](mailto:info@cellcom.ie)

Michael

# CELLCOM IRELAND LTD.

DEERPARK, ORANMORE, CO GALWAY, IRELAND



++ 353 91 790222/4



++ 353 91 790223

E-mail --[info@cellcom.ie](mailto:info@cellcom.ie)--Web--[www.cellcom.ie](http://www.cellcom.ie)

**Total # of pages:**

<b>To</b>	Charles West	<b>Fax</b>	Letter
<b>From</b>	M Higgins	<b>Co.</b>	pri
<b>Fax Ref.</b>	EI 0 CL	<b>Date</b>	21 11 00

**Please forward your E-mail address**

Dear Charles,

Thanks for your letter about my "Experimental Radio Station"

Firstly in Ireland there is no Radio Amateur or Ham Radio License

There is only Experimental Status Class A (full) B (restricted)

Experimental Status is of course a far better type of license as one can , backed up by facts , figures and proper reasons apply for and get powers /frequencies and so on not necessarily within the international amateur bands.

This in effect means that every license issued could vary form the next.

In practice all licenses are issued following the international convention and then varied by request.

here at my work we apply for and get all sorts of access to bands and frequencies for genuine experimental purposes.

A recent example was a fully remote HF station operated and controlled by a 4 meter (70Mhz) transceiver

The HF operating on Experimental Frequencies the 4 meter being in the commercial band

Exp on 2 meters at 2KW

My home station is very simple with one antenna 600 feet long 60 feet high , running from East to West fed in the East end by open wire feedline , then on the east end I have a set of 1/4 wave wires running east in a vertical fantail for every band I operate, I have found this gives me very easy tuning on all bands and a little East , North and South propagation . Most of my power is directed at appx 300 degrees , giving me good Pacific and beyond contacts. This is due to change soon to a 400' wire as the 600 keeps breaking in strong winds and 2 new supports again at appx 60/70 feet.

I have backup power due to many power cuts--solar panels 8 X 100Watt feeding battery bank 1000 AH feeding a grid connected inverter/combi/charger, so no outages. The backup is more for my domestic and computer than radio but the Station benefits.

(Backup Power) ?

I work in backbone communications , high sites , links and GSM, TETRA, UMPST , WLL, and Broadband networks so here radio is the business --began in radio commercially in 1969

Have Electrical & Mechanical Engineering Degrees and gained my MSc. in I.T. in 1992 after a bit of a struggle. Many other qualifications , diplomas along the way and now studying Spanish and French for a change.

Radios in use are Drake TR7a/R7A , Home built linear using 2 X 3-500Z , PSU delivering 1500 , 2000 , & 3500 Volts at 1amp appx. Backup Radio is Icom 746. Tuner is home built parallel type tuning.

Modes of other operations are Maritime Mobile using Icom 700 commercial set with Auto tuner and 60 foot backstay and Dynaplate grounding through hull.

Aeronautical Mobile Icom 706 and trailing wire

(with Tuner)

Mobile Icom 706 and 16' whip mounted front and stayed to bend back over roof. (with tuner)

After all that I don't get on the air as much as I'd like to because of other interests and work

56 years young here so is that enough ???!

Best wishes

Michael Higgins

