

### **HGFA UHF Radio Channel**

The HGFA has purchased rights for use a specified UHF frequency nation wide for the benefit of members to minimise the amount of interference of radio chat received on general citizen bands.

While this is not a dedicated (HGFA only) frequency it will provide much less interference than would otherwise be encountered.

The frequency and programming has been based on programmable radios such as the ICOM 40 series.

To further enhance the use of the frequency it is proposed that additional subtones be programmed offering three alternative channels.

Channels should be programmed as per the table below with Channel 1 being the primary channel and channels two through four substituting the 192.8Hz subtone with 82.5Hz, 110.9Hz, and 151.4Hz respectively.

The below chart has been developed which demonstrates this division of the frequency into 4 sub channels.

Members are asked to work with this table and provide further feedback on its effectiveness. The concept of a HGFA channel is for your safety benefit but the implementation requires your further input, testing and feedback.

These channels can be programmed into any radio that has programmable options by dealers and persons with the appropriate cable and software.

CHANNEL	FREQUENCY (Tx & Rx)	POWER	BANDWIDTH	CTCSS (Tx & Rx)	BUSY CHANNEL LOCKOUT
HGFA1	472.125MHz	5 watts	25kHz	192.8Hz	Y*
HGFA2	472.125MHz	5 watts	25kHz	82.5Hz	Y*
HGFA3	472.125MHz	5 watts	25kHz	110.9Hz	Y*
HGFA4	472.125MHz	5 watts	25kHz	151.4Hz	Y*

\*Channel Busy Lockout inhibits Tx while the frequency is being used by another operator e.g. Two HGFA clubs are in communication range will not be able to transmit over the top of one another.