Radio Programming

Every radio operates differently, and once programmed, it's easy to forget how to set up new frequencies (especially if there's a repeater offset and tone involved).

In the spirit of emergency preparedness, here are quick reference guides on how to program different radios. The aim is to condense on **one page** that can be printed, everything that is needed to setup a new frequency in VFO mode with the proper offset and tone. This is a list in progress, please feel free to post your own list here or email it to Patrick if you need help.

Radio	Reference Guides	Other
Icom IC-207H	Libre Office, PDF	
Kenwood TM-D710G	Libre Office, PDF	
QYT KT-8900	Libre Office, PDF	Menu List
Baofeng UV-5R	Libre Office, PDF	Chirp

Example: IC-207H

Frequencies

Here are frequencies programmed on VA7FI's radios (updated on Jul 20, 2020):

- Spreadsheet List
- PDF List
- Chirp List

And a few details:

- My mobile QYT KT-8900 radios have all channels programmed in, where as the Baofeng radios only have channels 0 to 127.
- The Link columns identifies repeaters that are linked together.
- I tried to roughly sort repeaters from North to South for the Island and West to East for the mainland, while trying to keep linked repeaters grouped together.
- Channel 1 (XbandR) is what I use when I need to setup a crossband repeater at home. You don't need to program that one.
- See the Links: Scanner Frequencies page for more information about the non-ham frequencies listed.
- The repeaters I hang out on most are on channels: 2, 3, 12, 21, 27, 44, 58

If you notice any mistakes, please let me know.

Simplex

It's also worth remembering that only specific simplex frequencies are allowed by the RAC band plans:

For 2m:	146.415, 146.430, 146.445, 146.460, 146.475, 146.490, 146.505, <mark>146.520</mark> †, 146.535, 146.550, 146.565, 146.580, 146.595	15 kHz between each channel.
		30 kHz between each channel.
For 70cm:	<mark>446.000</mark> ⁺, 446.025, 446.050, 446.075, 446.100, 446.125, 446.150, 446.175	25 kHz between each channel.

†: National calling frequencies.

Or more succinctly:

2m	146.415 – 146.595	
2111	147.420 - 147.570	Δ = 30 kHz
70cm	446.000 - 446.175	$\Delta = 25 \text{ kHz}$

Note that on 2m, there are digital channels interwoven between some of the FM channels:

2m digital 147.435, 147.465, 147.495, 147.525, 147.555, 147.585 30 kHz between each channel.