

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, 146.520 [†] , 146.535, 146.550, 146.565, 146.580, 146.595	15 kHz between each channel.
	147.420, 147.450, 147.480, 147.510, 147.540, 147.570	30 kHz between each channel.
For 70cm:	446.000 [†] , 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	$\Delta = 15 \text{ kHz}$
	147.420 – 147.570	$\Delta = 30 \text{ kHz}$
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.
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