

Digital Mode Waterfall Designation (white paper)
08 MAY 2019

Statement of Purpose: Establish and reinforce standard practices for use of modes, specifically their locations on the waterfall, during AmRRON digital mode radio communications in training and real-world operations.

NOTE: The following applies when the operator is tuned to the frequencies as noted in the red text boxes beneath Figure 1.

1. **FLDIGI modes @ 1000** on Waterfall, for modes such as Contestia 4/250, MFSK-32 and MFSK-64, etc., including while sending via:

- a) FLMSG. FLMSG is used for sending completed built-in or custom forms, such as reports.
- b) FLAMP. FLAMP is the FEC (Forward Error Correcting) application we use for sending files such as .k2s or .txt files free of errors.

FSQcall defaults at 1500 on the waterfall. Used for beaconing (sounding) for determining signal path quality and determining which stations are on the air. Is also used for transfer of small files and images, as well as chatting using short messages, and sending message alerts to individual radio operators.

JS8call @ approx. 2000 on the waterfall. This can be done by going into File->Settings->Behavior tab, and selecting the box which reads "Allow heartbeat transmissions outside of heartbeat sub-channel (500Hz-1000Hz)".

This is an excellent mode for poor band conditions or low power (QRP) operations, and allows for group messages or directed messages between two operators.

Operators should select a place between 1800 and 2200 on the WF. One does not need to be at the precise point as another operator to detect them and print their call signs or receive their traffic.

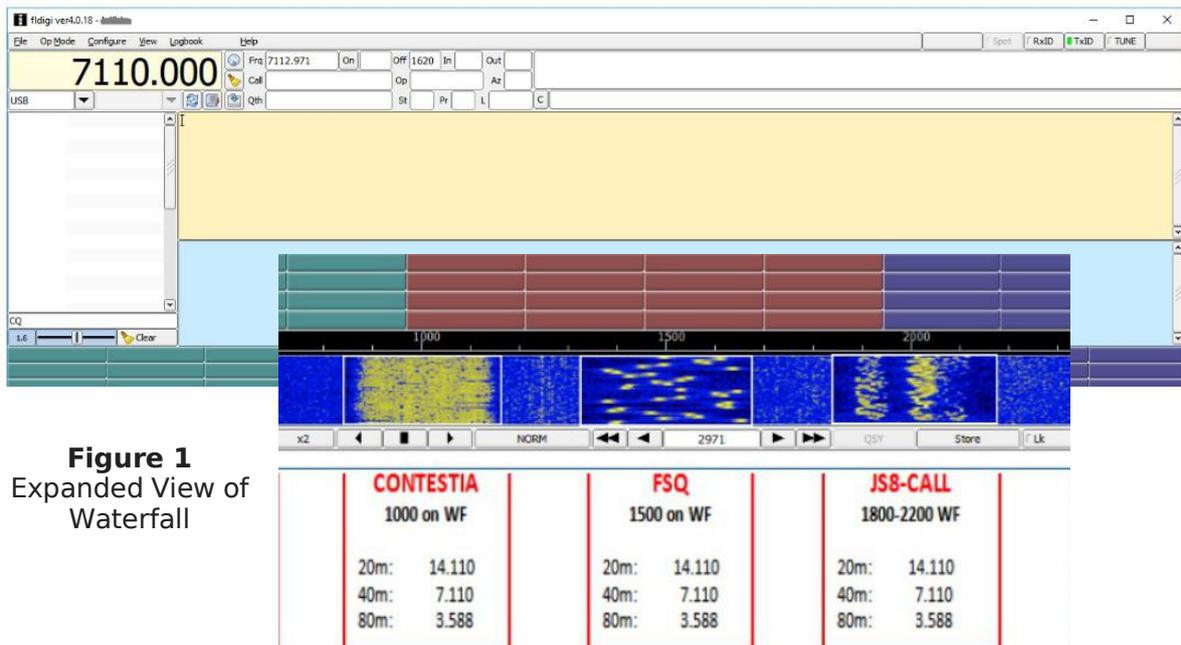


Figure 1
Expanded View of
Waterfall

NOTE: This white paper is not intended to be a comprehensive instructional guide for using each digital mode or software program. It is a guide for operators who already have a working knowledge of each of the programs and modes.