🖳 egzumer / **uv-k5-firmware-custom**   Public

〈〉 Code   ⊙ Issues 25   ⁑ Pull requests 3   💬 Discussions   ▶ Actions   📖 Wiki   ⚠ Security   📈 In
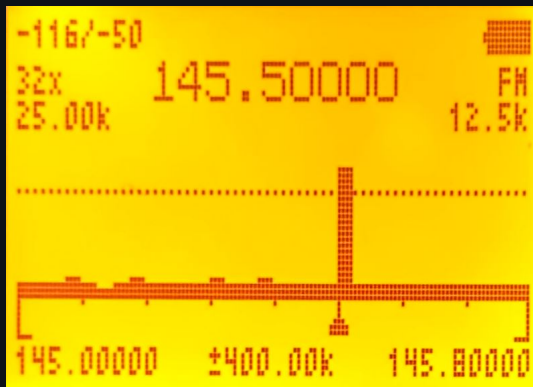
Spectrum analyzer

Jump to bottom

egzumer edited this page on Dec 20, 2023 · 28 revisions

Spectrum Sweep screen

Press `F` + `5 NOAA` to turn on the **Spectrum analyzer**.
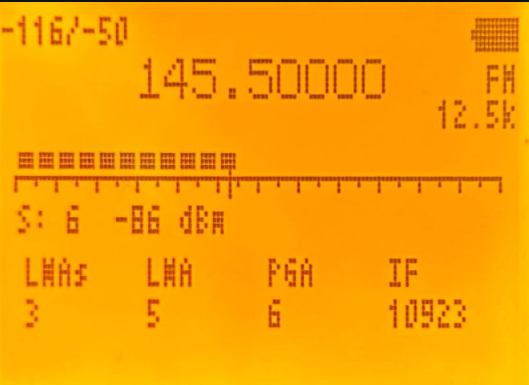The current VFO/Memory frequency will be the *center frequency* of the spectrum sweep

Spectrum analyzer can also be used with **ScnRng mode**
NOTE: in this mode blacklist is limited to 15 frequecies

Button functions

- `1` / `7` - increases/decreases frequency step between consecutive bars
- `4` - toggles the number of bars (channels) in the graph
- `2` / `8` - increases/decreases frequency step size by which the graph is scrolled with UP/DOWN buttons
- `5` - shows a frequency input box for lower sweep frequency (value in **MHz**, `*` - decimal point)
- `3` / `9` - increases/decreases maximum dB value (vertical scale)
- `6` - toggles receiver bandwidth
- `*` / `F` - increases/decreases squelch level
- `0` - toggles modulation type (FM/AM/USB)
- `Side Button I` - excludes current frequency from the spectrum scan
- `Side Button II` - toggles backlight
- `EXIT` - exits to a previous screen/function
- `PTT` - switches screen to *detail monitoring* of last received frequency (*see below*)

Detail Monitor screen

Button functions

- `M` - Scrolls through the parameters displayed at the bottom of the screen which can be adjusted with `UP/DOWN`

  - LNAs - Short Low Noise Amplifier
  - LNA - Low Noise Amplifier
  - PGA - Programmable Gain Amplifier
  - IF - Intermediate Frequency

- `EXIT` - exits to the previous screen of the spectrum analyzer

Documentation

- Instruction for the Spectrum Analyzer QuanSheng.UV.K5.Spectrum.analyzer.guide.EN.pdf

=> Return to Home page

▼ Pages 9

Find a page...

▸ **Home**

▸ **Button functions**

▸ **Development notes**

▸ **Differences from QS stock firmware**

▸ **Flashing the firmware**

▸ **FM broadcast radio receiver**

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