

# SPECON - Spectrum Control SW

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### Overview

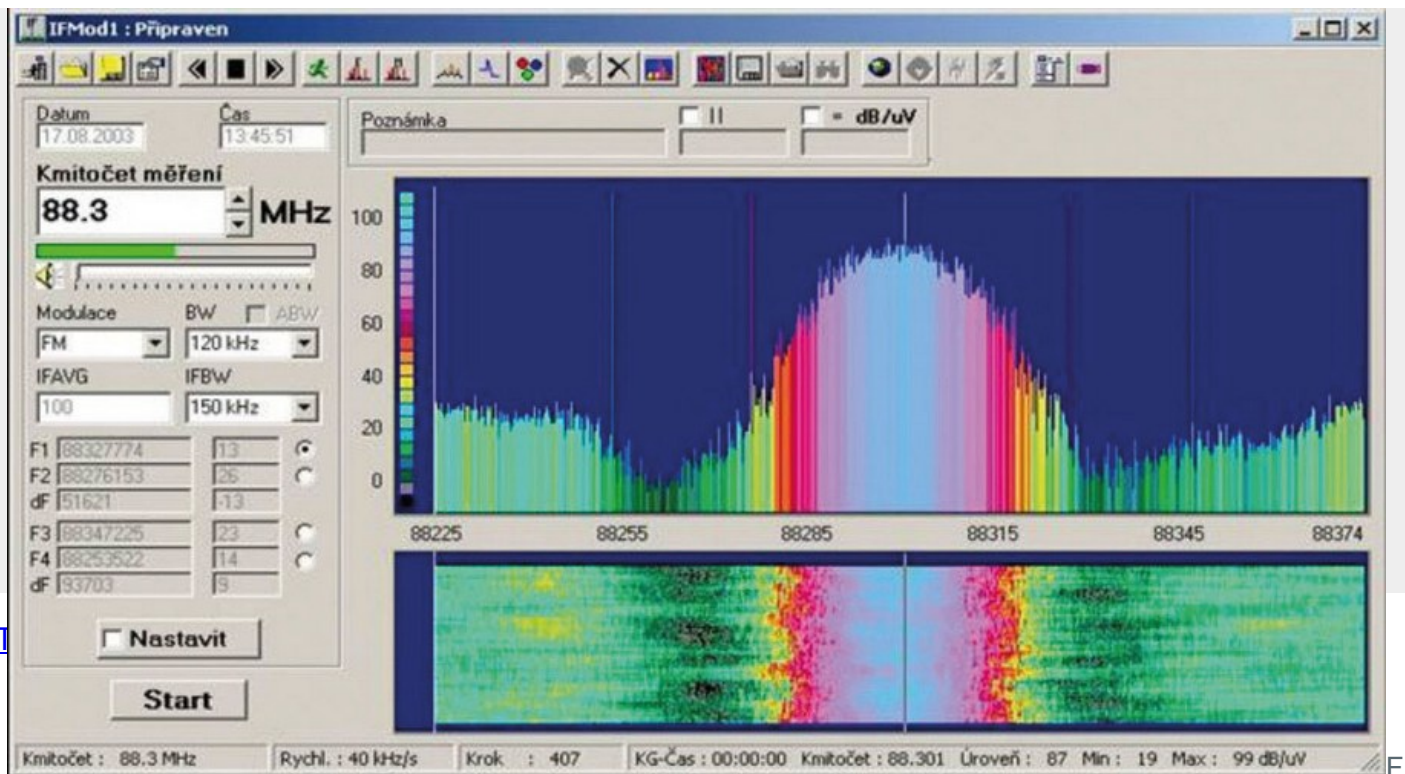
- ✓ SW intended for frequency monitoring and searching new radio signal sources in HF, VHF and UHF frequency ranges
- ✓ Provides the possibility to control a lot of modern searching and monitoring receivers (e.g. IZ 225)
- ✓ Setting the basic receiver parameters
- ✓ Monitoring of one certain frequency with level measurement of monitored signals with graphics presentation
- ✓ Storage of measured levels with time stamp, operator's text notes, GPS position and antenna's direction to binary file (can be converted to text file suitable for spreadsheet)
- ✓ Audio recording receiver output synchronized with measurement
- ✓ Level triggered saving and audio recording
- ✓ Operating system – MS Windows family

### Presentation of Measurement Results

- ✓ Simple level indicator (FFMod GUI)
- ✓ Time versus level (dBmV/dBmW)
- ✓ Frequencies (memories) versus level (dBmV/dBmW)
- ✓ Frequencies (memories) versus time (waterfall)
- ✓ Spreadsheet and text files

### Receiver Data Interface Support

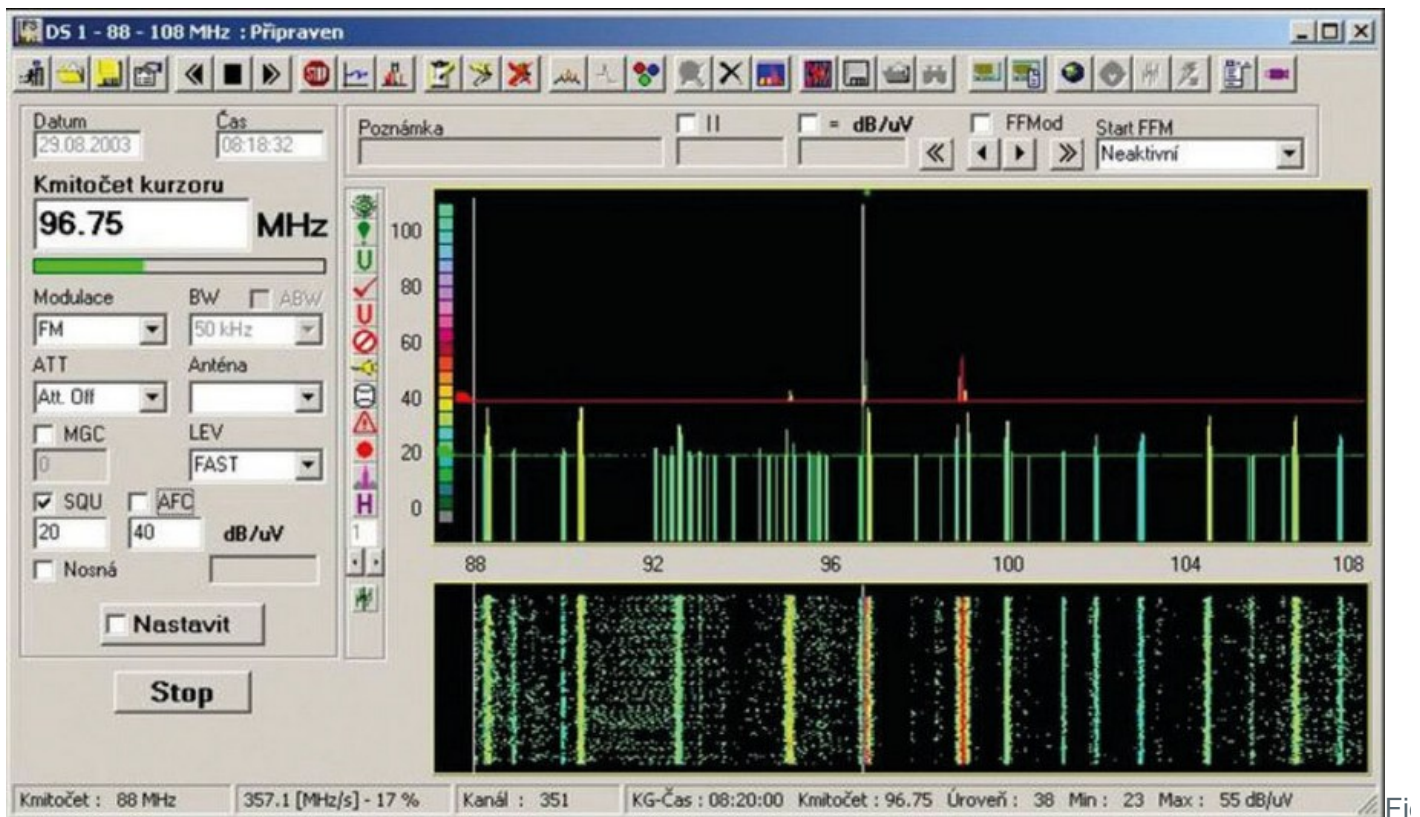
- ✓ RS 232
- ✓ LAN
- ✓ IEEE 488



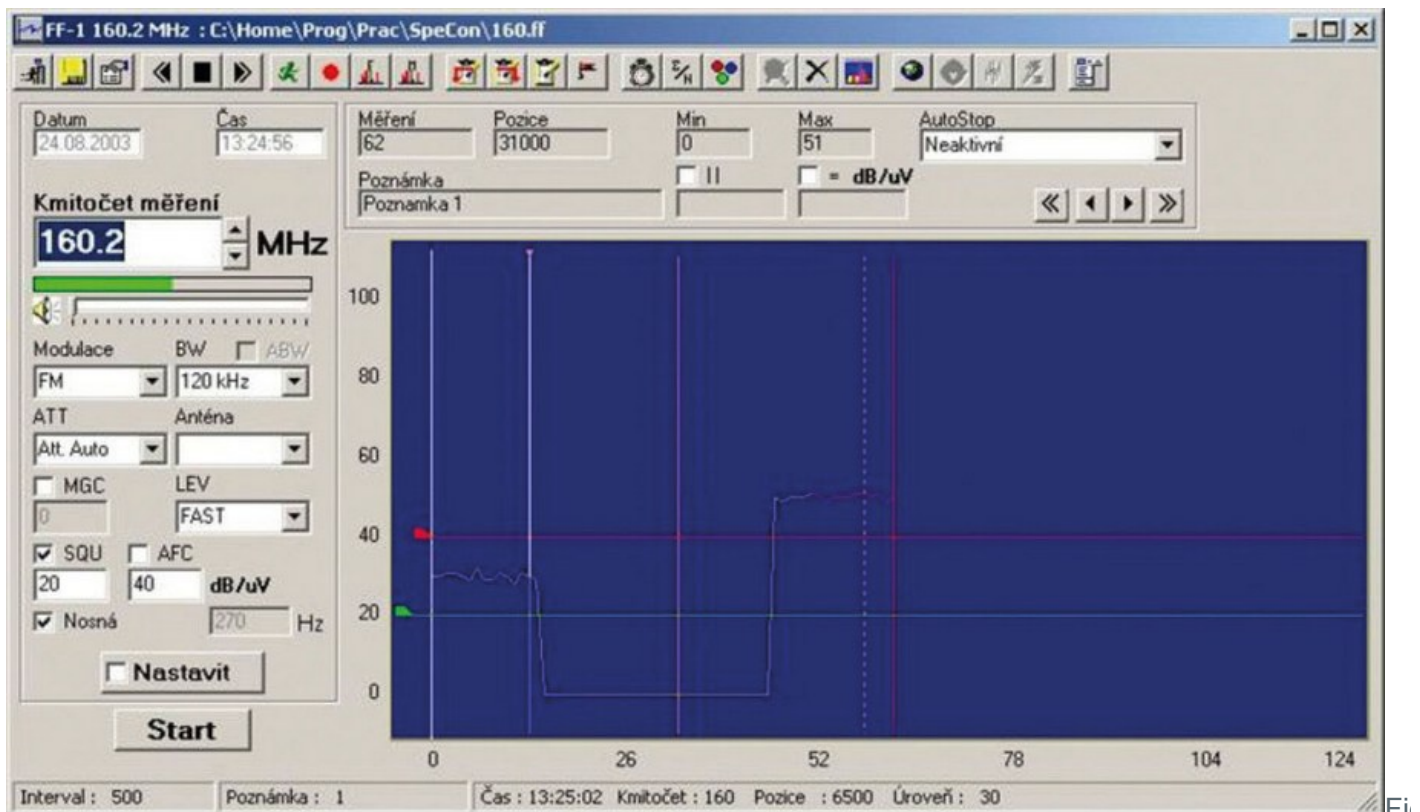
1: IF spectrum presentation (IFPan)

## Options

- ✓ Monitoring of signals stored in receiver memory, (MScan GUI) number of monitored memories depend on receiver
- ✓ Searching for new signal sources in chosen bands (FScan GUI) up to 50 bands
- ✓ IF spectrum presentation (IFPan GUI)
- ✓ On-line switching between searching modes and fixed frequency
- ✓ Storing all measurements into binary file and replay, possibility of graphs generation
- ✓ Averaging of stored values
- ✓ Zooming for FScan and MScan
- ✓ DIGIScan presentation (wide band panorama scan with ability of frequency agile signal recognition)
- ✓ Possibility of handoff direction finding or support of direction finders with results presentation in GEO3D software
- ✓ Multireceiver control (SpeConMan), sharing among operators, time job management etc.
- ✓ Sending frequency from FScan and MScan GUI to FMod
- ✓ Support GPS receivers and add position stamps into measurement
- ✓ Multilingual version



2: Presentation of scan results (FScan)



3: Monitoring of one frequency (FFMod)