SDRSharp – Scanner Plugin
gui elements & short desription

Scanner (Plugin)

Stop	
Measuring Mode	Peak Power
Recording	no
Scan Intervall [ms]	1000
Threshold Release Time [s]	10
given Trigger Level [dB]	-39
Timeout [s]	0,2
Peak Power [dB]	-130
Avg BW Power [dB]	-123

New Edit Delete

Group: 2m

Name	Frequency
Channel_11	145,4875 MHz
Channel_12	145,5125 MHz
Channel_13	145,5375 MHz
Channel_14	145,5625 MHz
Channel_15	145,5875 MHz

Two modes of comparing the given trigger level.
- peak power of the tuned frequency
- the average power level in the channel bandwidth

The waverecorder plugin is used to record automatically the iq/audio stream . Recording is only active as long as the receive level is above the given trigger level. Configure the waverecorder plugin to your needs befor enable the recording.

Scan time of one frequency, move on to next frequency after this time if receive level is below the given trigger level

If receive level is above the given trigger level, the current frequency stays tuned. Only If the receive level goes below the given trigger level for the complete threshold time, scanning goes on

Trigger level derived from the scanlist entry

Current valueof the calculated timeout bevor moving on to next frequency in the list

Current peak level of the tuned frequency

current average receive level in the bandwith

Scan list Manager, same operations as frequency manager plugin. only a few changes
- new field for trigger level
- filtered list (=displayed) list is taken as scanlist
- current tuned freuqency is highlighted in the list (blue = scan, green = stay tuned)

SDRSharp – Scanner Plugin
installation notes

to get the plugin running
- copy SDRSharp.Scanner.dll into the SDRSharp direcotry
- edit SDRSharp.exe.config

goto **`<sharpPlugins>`** section and add one line as described below
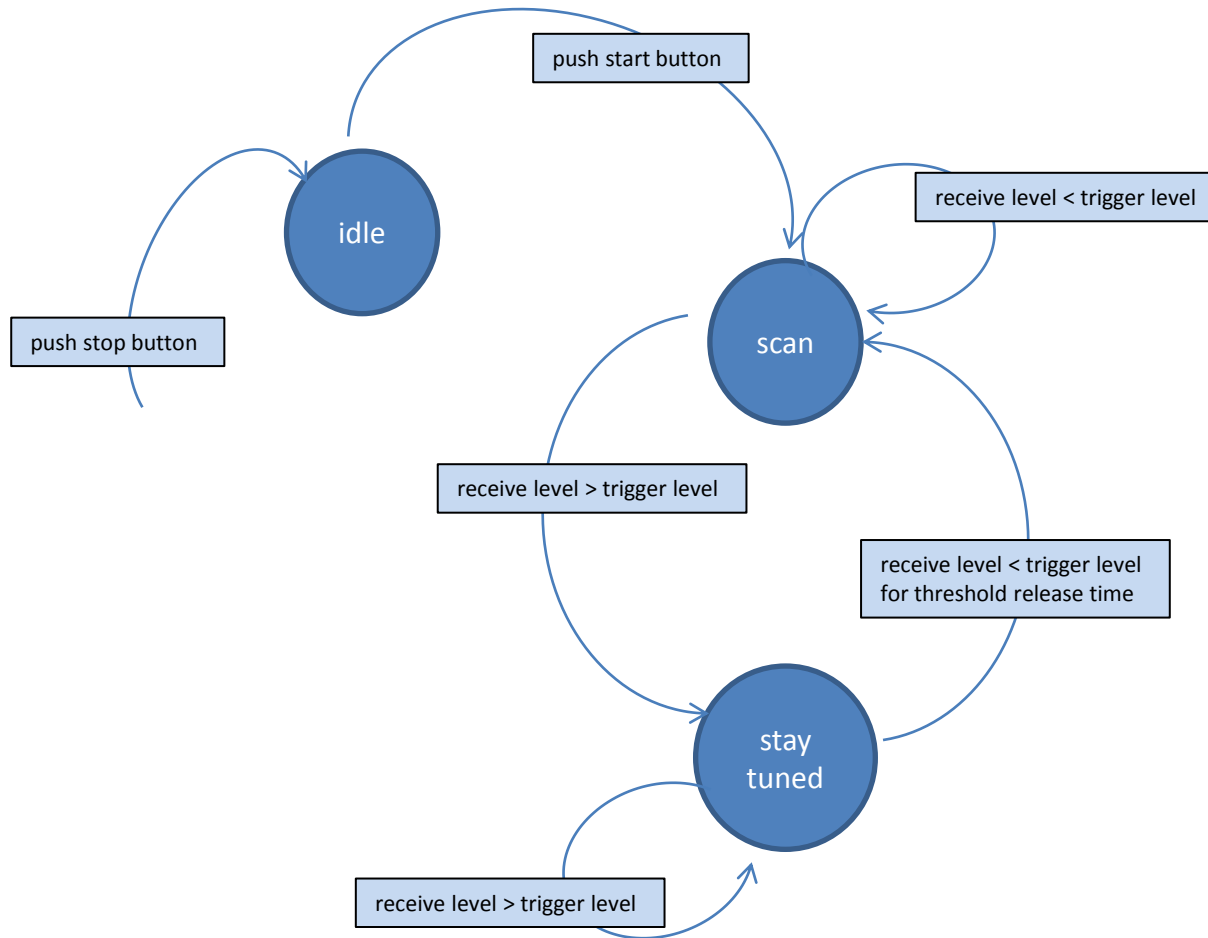
```
<sharpPlugins>
  <add key="Scanner" value="SDRSharp.Scanner.ScannerPlugin,SDRSharp.Scanner" />
<sharpPlugins>
```

Tested with
- WIN7, 64Bit
- SDRSharp Continuous Integration, Last Changed Rev: 1111
- Terratec NOXON DAB/DAB+ USB dongle (rev 1)
- ezcap USB 2.0 DVB-T/DAB/FM dongle

SDRSharp – Scanner Plugin
states of operation

SDRSharp – Scanner Plugin
infos

Contact
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Scanner Plugin Source Code
- https://www.assembla.com/code/sdrsharp/subversion/nodes