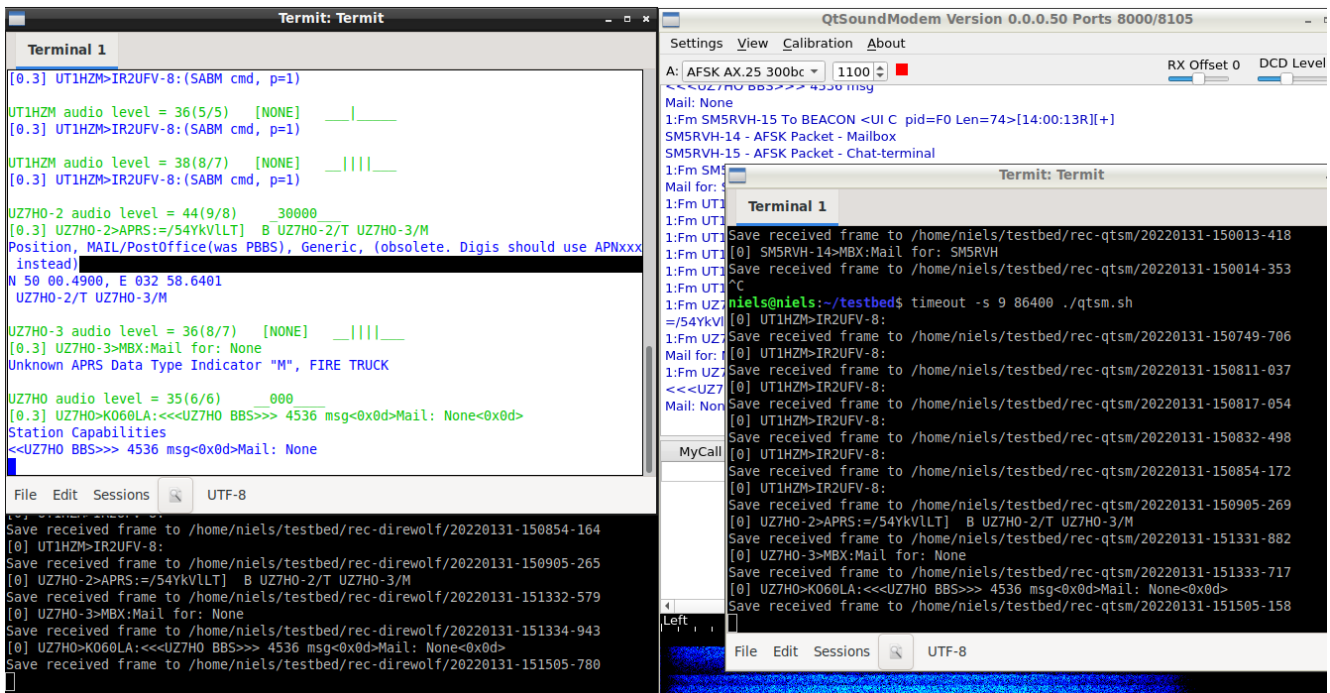


# Direwolf Vs QtSoundModem (part 2)

Rx Only

Okay, that was a bit of a **disappointment**. I ran the test at 14.1022Mhz on 300 Baud. I think the conditions were very bad in those 24 hours.



For the test I use Kissutil.

<https://www.mankier.com/1/kissutil>

**kissutil** can be used interactively for troubleshooting a KISS TNC. It is usable with direwolf and other generic KISS TNCs connected to a serial port. It can also be used as an application interface where each side places files in a directory for the other to process.

First I wrote two start files for the test.

```
Direwolf.sh
```

```
#!/bin/bash
```

```
cd /home/niels/testbed/  
./kiss-direwolf -p 8009 -o /home/niels/testbed/rec-direwolf
```

```
Qtism.sh
```

```
#!/bin/bash
```

```
cd /home/niels/testbed/  
./kiss-qtsm -p 8105 -o /home/niels/testbed/rec-qtsm
```

The test ran for 24 hours, which is 86400 seconds.

```
timeout -s 9 86400 ./qtsm.sh
```

After 24 hours I can start counting the received frames.

```
niels@niels:~/testbed/rec-direwolf$ ls -A | wc -l  
87  
niels@niels:~/testbed/rec-direwolf$
```

```
niels@niels:~/testbed/rec-qtsm$ ls -A | wc -l  
91  
niels@niels:~/testbed/rec-qtsm$
```

As you can see this is very disappointing. Now I understand that the focus of QtSoundModem is more in the HF area. With a difference of 4 frames, the difference between Direwolf and QtSoundModem is minimal. In fact, too few frames were received in the 24 hours to make a good comparison. Is my opinion.

The next test we will try on 144.800Mhz the local Aprs frequency.

```
top - 15:14:36 up 1 day, 4:48, 1 user, load average: 0,16, 0,23, 0,26  
Tasks: 183 total, 2 running, 181 sleeping, 0 stopped, 0 zombie  
%Cpu(s): 6,4 us, 2,5 sy, 0,0 ni, 85,5 id, 0,1 wa, 0,0 hi, 5,4 si, 0,0 st  
MiB Mem : 3841,3 total, 807,9 free, 1901,4 used, 1132,1 buff/cache  
MiB Swap: 1791,0 total, 1718,7 free, 72,2 used. 1623,9 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2270	niels	9	-11	1844824	33740	24752	S	11,6	0,9	137:25.62	pulseaudio
681	root	20	0	378700	61004	39888	R	9,0	1,6	93:09.40	Xorg
19430	niels	20	0	1533816	282664	51740	S	8,3	7,2	1:40.83	QtSoundMo+
4220	niels	20	0	922844	64988	41844	S	7,3	1,7	0:29.11	flameshot
19079	niels	20	0	893364	15416	10980	S	6,6	0,4	2:05.34	direwolf
1	root	20	0	169760	7332	5168	S	0,3	0,2	0:05.71	systemd