Tracker

Mode: Automatic
Signals: Received: 20065, Good: 19958, Sent: 8012
Signal Rate: Last second: 0, Last 60s: 0.0
Errors: No GPS: 0, Overflow: 746
Status: Normal
Server 1: 81.7.10.204:8308, Region 2
4.7MByte, 7612 Packets, 641Bytes each
Server 3: 213.32.243:8308
4.7MByte, 7612 Packets, 641Bytes each
New Firmware: Version 8.4, Download (Changelog)

Amplifiers

Amplifier 1 - H1

Channel A:
- Trigger: -100mV/87mV, reached 14 times in last 10m, 47s
- Gains: 8 * 4 * 40 = Total Gain 1280 | Relative Gain 1376
- Noise: 68mVpp

Channel B:
- Trigger: -115mV/99mV, reached 0 times in last 1s
- Gains: 4 * 2 * 40 = Total Gain 320 | Relative Gain 301
- Noise: 76mVpp
Channel C:
- Trigger: -105mV/95mV, reached 0 times in last 10m, 47s
- Gains: $16 \times 10 \times 40 = \text{Total Gain 6400}$ | Relative Gain 6400
- Noise: 60mVpp

**Amplifier 2 - E1**

Channel A:
- Trigger: -105mV/95mV, reached 0 times in last 26s
- Gains: $8 \times 4 \times 40 = \text{Total Gain 1280}$ | Relative Gain 1280
- Noise: 50mVpp

**ADC**

Sampling per Input: Resolution: 12bits, Period: 666ns = 500.0kSPS, Time: 2000ns

ADC1:
- Input1: Amp-Channel 3, Offset -6mV, Trigger -100mV/100mV
- Input2: Amp-Channel 4, Offset -2mV, Trigger -100mV/100mV

ADC2:
- Input1: Amp-Channel 2, Offset -7mV, Trigger -107mV/107mV
- Input2: Amp-Channel 2, Offset -6mV, no Trigger

ADC3:
- Input1: Amp-Channel 1, Offset -5mV, Trigger -94mV/94mV
- Input2: Amp-Channel 1, Offset -5mV, no Trigger

**GPS**

Availability: 100.00%
Type: Mediatek with 115200baud (FW: AXN_3.20_3333_13022801,8030)
Status: Active, 3D-fix
Satellites: 7 tracked, 12 in view
Date/Time: 2018-05-06 01:24:50
Position: -27.642185° 153.413666° 11.5m
Smoothed: -27.642195° 153.413666° 11.5m (smoothed over 17h, 30m)
PDOP/HDOP/VDOP: 1.47 / 1.19 / 0.87
Sat. Signals (SNR):

<table>
<thead>
<tr>
<th></th>
<th>21 31dB</th>
<th>10 34dB</th>
<th>32 29dB</th>
<th>27 16dB</th>
<th>20 37dB</th>
<th>14 17dB</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24 26dB</td>
<td>15 29dB</td>
<td>8 15dB</td>
<td>29 25dB</td>
<td>16 26</td>
<td></td>
</tr>
</tbody>
</table>

PPS Accuracy: Mean: 8.5ns, Current: 23ns

Controller / CPU

Firmware: Rev. 8.4b1 BLUE / Dec 3 2017 22:32:05
Hardware: Rev. 19.4 (PCB-Id 60)
Device-ID: 3400-4B00-1651-3631-3136-3335
HCLK / SYSCLK / PCLKs: 168 / 168 / 42 / 84 MHz
CPU: 27%, 46.0°C, 3.25V
Max. Memory usage: 118kB + 65kB for Signals
Signal Buffers: 15
Input Voltage: 4.70V

Network

IP: 192.168.5.90
Netmask: 255.255.255.0
Gateway: 192.168.5.1
DNS: 8.8.8.8
MAC: 70:B1:4B:00:16:51
DHCP: off

Remote Configuration

URL: http://tracker.blitzortung.org/control/
Next Request: in 4m, 18s
Station Id: 2201
User Id: 0
Requests: 83 with 205kB and 0 errors.

Other Parameters

Interference Mode
- **Burst**: When > 60sig/s in 3s average. Disable when 50% below threshold
- **Normal**: When > 30sig/s in 60s average. Disable when 30% below threshold

Web Interface
- **Processed Requests**: 1971
- **Authentication**: Not activated!

Clock
- **RTC time**: 2018-05-06 01:24:51
- **Running for**: 1h, 24m

by Tobias Volgnandt for the Blitzortung.org community project • FW. 8.4b1 BLUE / Dec 3 2017 22:32:05 (Git: 8.4b1-0-gb80ae08) • PCB 19.4/H1/E1