

Blitzortung.org Controller

SYS GPS NET AMP SIG

0/s

01:24:50



Status

Settings

Tools

Signals

About

Station 2201
FW 8.4b1 * PCB 19.4/H1/E1[Click here to create a new Blitzortung.org user login](#)

or assign the Device-Id to your existing account!

Auto Refresh

Tracker



Mode: **Automatic**

Signals: Received: **20065**, Good: **19958**, Sent: **8012**

Signal Rate: Last second: **0**, Last 60s: **0.0**

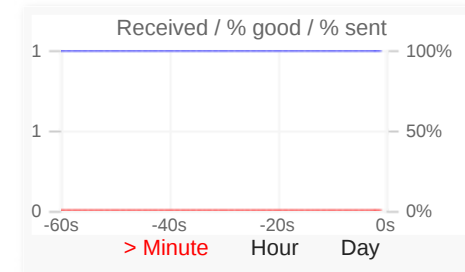
Errors: No GPS: **0**, Overflow: **746**

Status: **Normal**

Server 1: **81.7.10.204:8308**, Region **2**
4.7MByte, **7612** Packets, **641Bytes** each

Server 3: **213.32.62.243:8308**
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 * 10 * 40** = Total Gain **6400** | Relative Gain **6400**
- **Noise:** **60mVpp**

Amplifier 2 - E1**Channel A:**

- **Trigger:** **-105mV/95mV**, reached **0** times in last 26s
- **Gains:** **8 * 4 * 40** = 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%

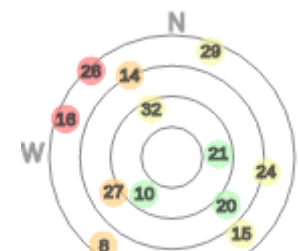
Type: **Mediatek** with **115200baud** (FW: **AXN_3.20_3333_13022801,8030**)

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° 153.413572° 14.5m](#) (smoothed over **17h, 30m**)

PDOP/HDOP/VDOP: **1.47 / 1.19 / 0.87**

Sat. Signals (SNR):

21 31dB	10 34dB	32 29dB	27 16dB	20 37dB	14 17dB
24 26dB	15 29dB	8 15dB	29 25dB	16	26

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