

Kunde:

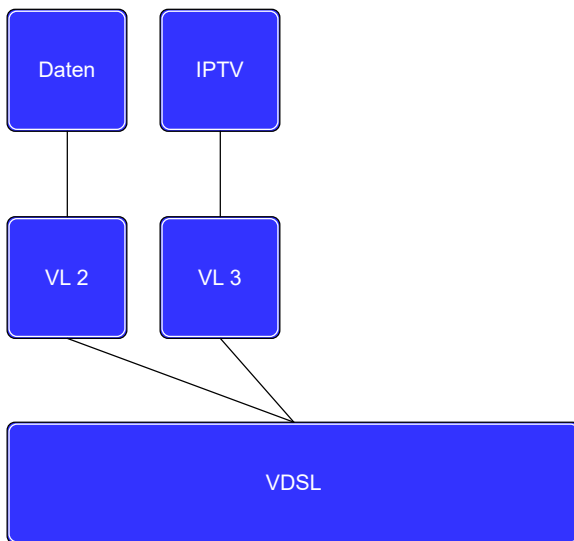
Firma:  
RT Systemtechnik GmbH  
Konrad-Zuse Str.15  
47445 Moers  
-

Datum/Uhrzeit:  
01.07.2018  
11:29  
ARGUS 153  
Seriennummer:  
Firmware:



53163  
V1.50.00.D

### Übersicht



### Konfig.

| <u>Parameter</u>     | <u>Wert</u>       |
|----------------------|-------------------|
| Auto-Erkennung:      | An                |
| VDSL:                |                   |
| VTU Mode:            | VTU-R             |
| Firmware:            | B                 |
| Vectoring Mode:      | Voll              |
| Retransmission Mode: | Down/Up           |
| Carrier Set 1        | B43               |
| Allgemein:           |                   |
| Gratuitous ARP:      | Aus               |
| MAC Adressen Typ:    | Standard          |
| MAC Adresse:         | 00:12:a8:91:cf:ab |

Allgemein

Parameter | Wert

|                       | <i>Down / Near End:<br/>Soll / Grenzwerte</i> | <i>Ergebnis</i> | <i>Up / Far End:<br/>Soll / Grenzwerte</i> | <i>Ergebnis</i> |
|-----------------------|---|-----------------|--|-----------------|
| <i>Net Data Rate:</i> | 0 kbit/s                                      | OK              | 0 kbit/s                                   | OK              |

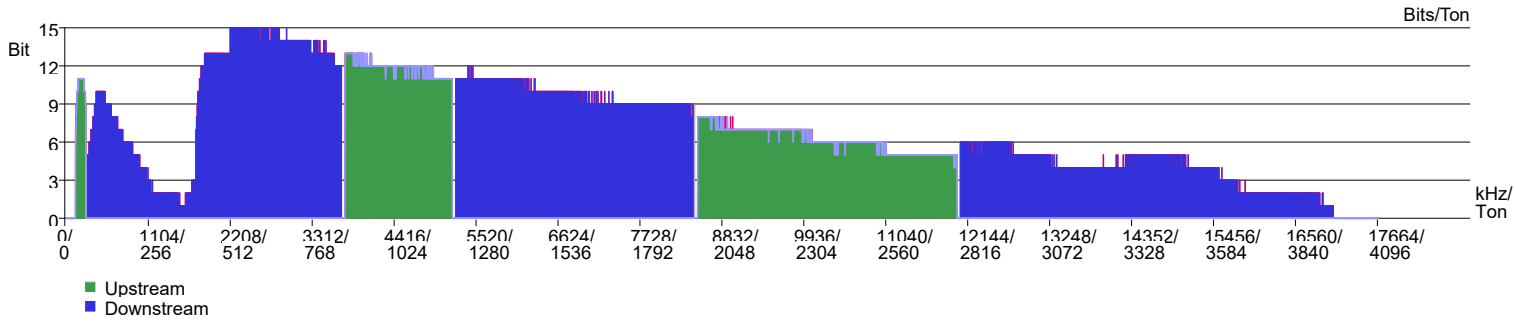
**Line Paar1 Ergebnis**

| <i>Parameter</i>            | <i>Down:</i>        | <i>Up:</i>          |
|-----------------------------|---------------------|---------------------|
| Net Data Rate:              | 71209 kbit/s        | 33752 kbit/s        |
| Attainable Data Rate:       | 4288043 kbit/s      | 33752 kbit/s        |
| Relative capacity:          | 1.6 %               | 100.0 %             |
| SNR Margin Band 0:          | ---                 | 8.9 dB              |
| SNR Margin Band 1:          | -18.4 dB            | 9.0 dB              |
| SNR Margin Band 2:          | -18.4 dB            | 9.0 dB              |
| SNR Margin Band 3:          | -18.4 dB            | Nicht genutzt (n/u) |
| SNR Margin Band 4:          | Nicht genutzt (n/u) | Nicht genutzt (n/u) |
| SNR margin all:             | -18.4 dB            | 9.0 dB              |
| Loop Attenuation Band 0:    | ---                 | 7.1 dB              |
| Loop Attenuation Band 1:    | 14.6 dB             | 25.7 dB             |
| Loop Attenuation Band 2:    | 33.3 dB             | 38.3 dB             |
| Loop Attenuation Band 3:    | 48.8 dB             | Nicht genutzt (n/u) |
| Loop Attenuation Band 4:    | Nicht genutzt (n/u) | Nicht genutzt (n/u) |
| Loop Attenuation alle:      | 19.9 dB             | 23.7 dB             |
| Signal Attenuation Band 0:  | ---                 | 7.1 dB              |
| Signal Attenuation Band 1:  | 14.6 dB             | 26.0 dB             |
| Signal Attenuation Band 2:  | 33.3 dB             | 37.8 dB             |
| Signal Attenuation Band 3:  | 48.8 dB             | Nicht genutzt (n/u) |
| Signal Attenuation Band 4:  | Nicht genutzt (n/u) | Nicht genutzt (n/u) |
| Signal Attenuation alle:    | 19.9 dB             | 23.6 dB             |
| Output Power:               | 13.2 dBm            | 10.1 dBm            |
| Interleave delay:           | 0.14 ms             | 0.00 ms             |
| Impulse Noise Protection:   | 34.0 symbols        | 32.0 symbols        |
| Seamless Rate Adaption:     | Aus                 | Aus                 |
| G.INP Retransmission State: | An                  | An                  |
| Retransmitted DTU:          | 21243               | 0                   |
| Korrigierte DTU:            | 4157                | 0                   |
| Nicht korrigierte DTU:      | 17086               | 0                   |
| INP REIN:                   | 1.0 symbols         | 1.0 symbols         |
| INP SHINE:                  | 4.0 symbols         | 4.0 symbols         |
| Erwarteter Durchsatz (ETR): | 67014 kbit/s        | 31505 kbit/s        |
| Bit swap events:            | 1                   | 7                   |

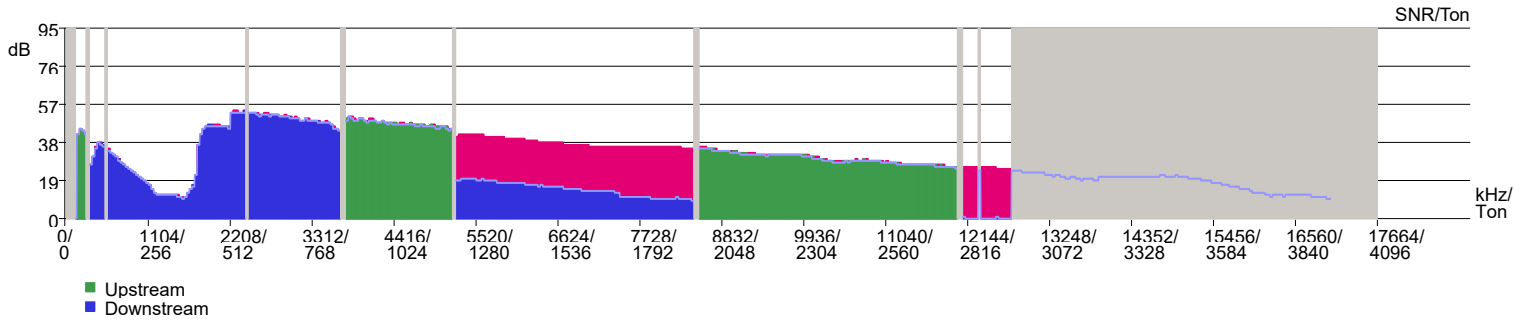
| <i>Parameter</i>                       | <i>Nah:</i> | <i>Fern</i> |
|--|-------------|-------------|
| FEC                                    | 0           | 0           |
| CRC:                                   | 1           | 0           |
| ES:                                    | 1           | 0           |
| SES:                                   | 0           | 0           |
| LOSS:                                  | 0           | 0           |
| UAS:                                   | 0           | 0           |
| Fehlerzähler Reset:                    | 0           | 0           |
| Elektrische Länge @ 1MHz:              | 13.3 dB     | 13.3 dB     |
| Provider Code (Vendor Identifikation): | IFTN        | BDCM        |
| Vendor spezifische Information:        | 35622       | 45530       |
| T.35 Country Code:                     | 181         | 181         |

|                    |             |
|--------------------|-------------|
| Aktivierungsdauer: | 00:02:09    |
| Showtime:          | 00:01:55    |
| Profil:            | G.993.2 17a |
| Spannung:          | 0.0 V       |

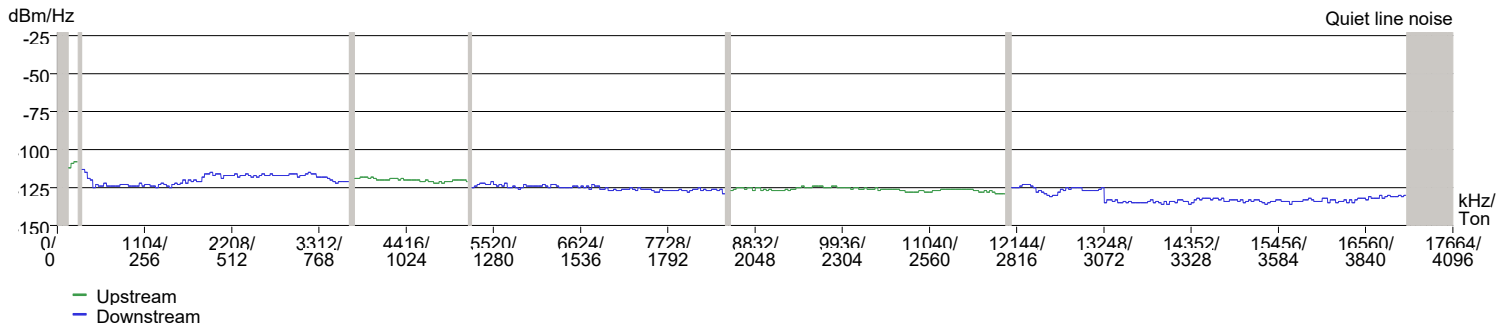
### Line Paar1 Bits/Ton



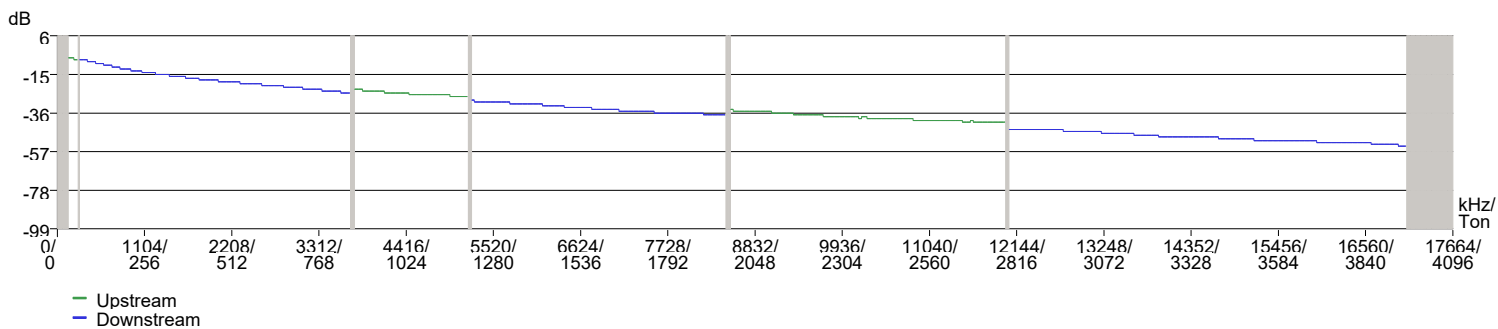
### Line Paar1 SNR/Ton



### Line Paar1 QLN/Ton



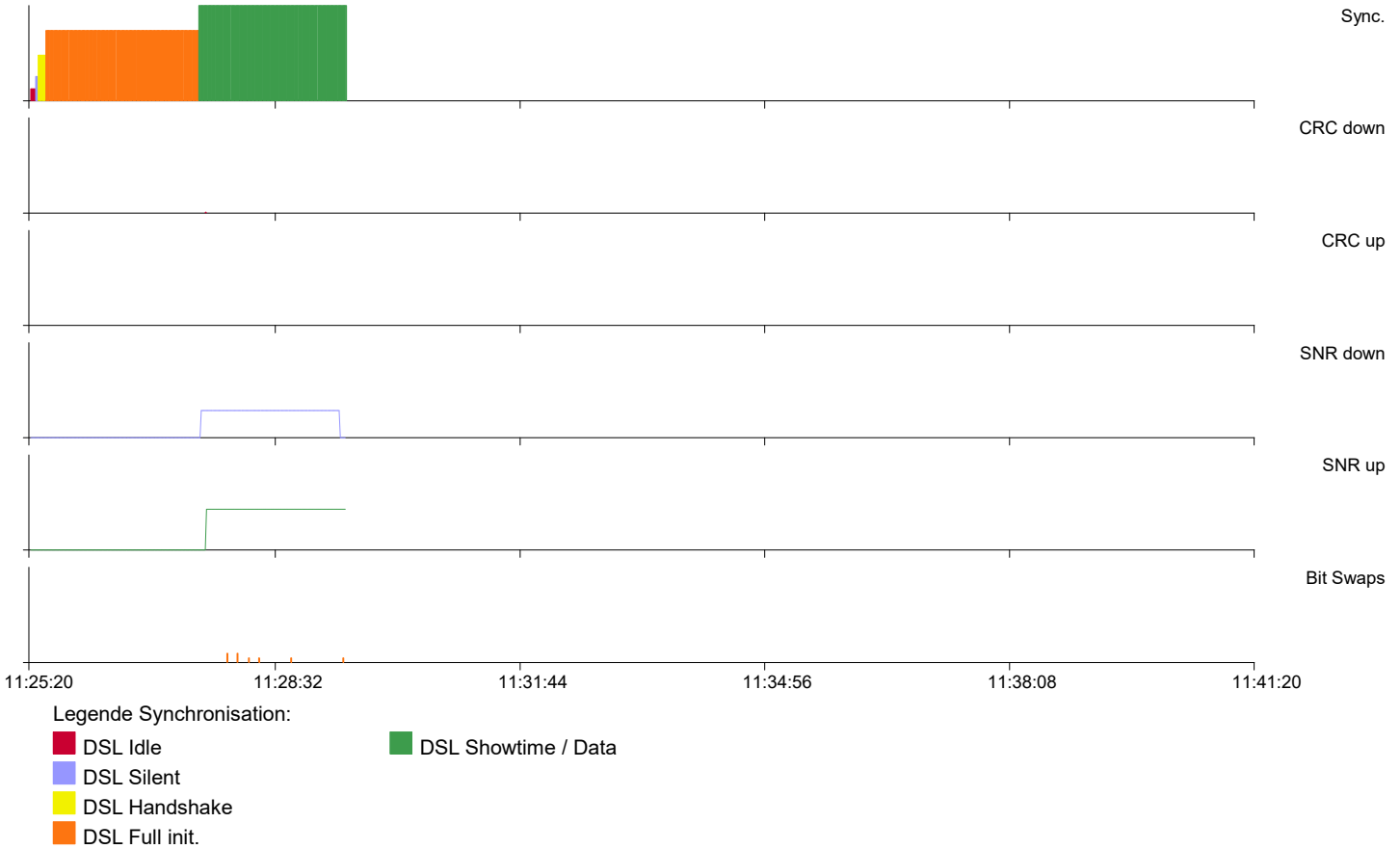
### Line Paar1 HLOG/Ton



## Trace Trace

| Zeit:                 | Richtung: | Info:             |
|-----------------------|-----------|-------------------|
| 01.07.18 11:25:00:000 | U->N      | Open              |
| 01.07.18 11:25:02:900 | U->N      | Versuche VDSL     |
| 01.07.18 11:25:02:900 |           | Silent            |
| 01.07.18 11:25:05:530 |           | Handshake         |
| 01.07.18 11:25:11:540 |           | Full init         |
| 01.07.18 11:27:11:550 |           | Showtime TC sync. |

## Trace Grafik Paar 1



## VDSL Statistiken

Ethernet:

| Parameter | Tx     | Rx     |
|-----------|--------|--------|
| Rahmen:   | 0      | 0      |
| Bytes:    | 0 Byte | 0 Byte |

## VL 2 Konfig.

|                   |              |
|-------------------|--------------|
| Protokoll:        | PPP          |
| Profilname:       | VLAN 7 (PPP) |
| PPP Benutzername: |              |
| PPP Passwort:     | *****        |
| Setze WAN-IP:     | Nein         |
| Effektives Delay: | 2 s          |
| PPP Profilname:   | PPP Profil 1 |
| PPP Provider:     | Manuell      |
| IP Version:       | IPv4         |
| VLAN Mode:        | VLAN 1       |
| VLAN1 ID:         | 7            |
| VLAN1 Priorität:  | 0            |
| VLAN1 TPID:       | 0x8100       |

### VL 3 Konfig.

|                         |               |
|-------------------------|---------------|
| Protokoll:              | IP            |
| Profilname:             | VLAN 8 (DHCP) |
| IP Version:             | IPv4          |
| IP Modus:               | DHCP Client   |
| Name-Server 1 IP:       | 0.0.0.0       |
| Name-Server 2 IP:       | 0.0.0.0       |
| DHCP Timeout:           | 20 s          |
| DHCP Vendor ID ASCII:   | ARGUS         |
| DHCP Vendor Info ASCII: | ARGUS         |
| DHCP User Class ASCII:  | ARGUS         |
| DHCP User def. Nummer:  | 255           |
| DHCP User def. ASCII:   | ARGUS         |
| VLAN Mode:              | VLAN 1        |
| VLAN1 ID:               | 8             |
| VLAN1 Priorität:        | 4             |
| VLAN1 TPID:             | 0x8100        |

### VL 2 Ergebnis

| <i>Parameter</i> | <i>Wert</i> |
|------------------|-------------|
| Grund:           | Normal      |

### VL 3 Ergebnis

| <i>Parameter</i> | <i>Wert</i> |
|------------------|-------------|
| Grund:           | Normal      |

### VL 2 Statistiken

Ethernet:

| <i>Parameter</i> | <i>Tx</i> | <i>Rx</i> |
|------------------|-----------|-----------|
|------------------|-----------|-----------|

### VL 3 Statistiken

Ethernet:

| <i>Parameter</i> | <i>Tx</i> | <i>Rx</i> |
|------------------|-----------|-----------|
|------------------|-----------|-----------|

### Daten Dienst

| <i>Parameter</i> | <i>Wert</i> |
|------------------|-------------|
| Dienst:          | Idle        |

### IPTV Dienst

| <i>Parameter</i> | <i>Wert</i> |
|------------------|-------------|
| Dienst:          | Idle        |

### **QoS Konfig**

| <i>Parameter</i> |      |
|------------------|------|
| Input Typ:       | ToS  |
| ToS              | 0x00 |
| DSCP             | 0x00 |
| VLAN Priorität:  | 0    |

### **Notizen**

Platz für eigene Informationen:

.....  
Ort, Datum, Unterschrift:

.....  
Kunde:

© ARGUS by intec Gesellschaft für Informationstechnik mbH, D-58507 Lüdenscheid, Germany