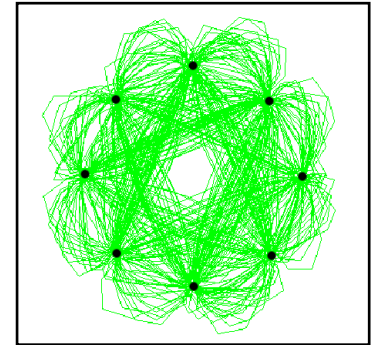




# TETRA

## Air Interface Analyzer

The **TETRA Air Interface Analyzer** is a decoder-analyzer module for The C.C.R.M.'s Radio Monitoring Toolkit software.

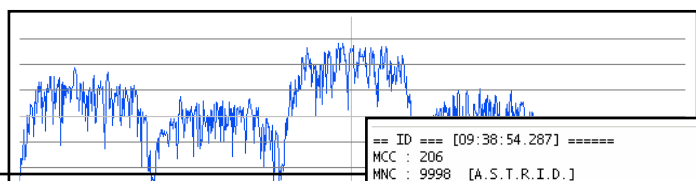
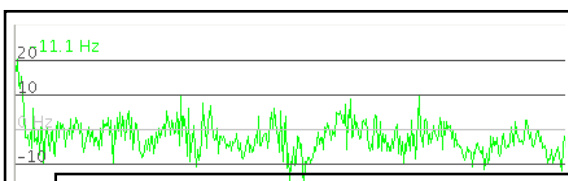


Connect an IQ capable receiver to your laptop, and you are on with a powerful realtime TETRA Air Analyzer tool on the field !  
Because it is Software Defined Radio you can access, analyse and measure in any layer of the TETRA architecture, from burst structure to SDS message decoding...

The joined flexibility of our tool together with the developing team, permits specific tailored solutions meeting YOUR needs.

### Features:

- + Identification of monitored signal (MCC,MNC,LA,CC)
- + BER, Frequency, Level and Traffic Occupancy measurements
- + Burst and burst mapping analysis over a multi-frame
- + Protocol analysis form MAC or MLE
- + SYNC & D-NWRK-BROADCAST PDU's direct reading
- + SDS catch
- + **New!** Uplink TimeSlot level measurement for DF applications
- + SSI filter for specific mobile protocol analysis
- + **Need more ... ask us !**



```
== ID === [09:38:54.287] =====
MCC : 206
MNC : 9998 [A.S.T.R.I.D.]
LA : 3470
Main Carrier : 3779
```

```
[FN14] [SN1] MAC-RESSOURCE (4244086) [][-1] -> AL-SETUP ->
[FN15] [SN1] MAC-RESSOURCE (16777215) [][-1] -> BL-UDATA (No FCS) -> MLE : D-NWRK-BROADCAST
[FN18] [SN1] Broadcast
[FN18] [SN2] MAC-RESSOURCE (16777215) [][-1] -> BL-UDATA (No FCS) -> MLE : D-NWRK-BROADCAST
[FN3] [SN1] MAC-RESSOURCE (16777215) [][-1] -> BL-UDATA (No FCS) -> MLE : D-NWRK-BROADCAST
[FN9] [SN1] MAC-RESSOURCE (16777215) [][-1] -> BL-UDATA (No FCS) -> MLE : D-NWRK-BROADCAST
[FN10] [SN1] MAC-RESSOURCE (4244086) [][-1] -> AL-SETUP ->
[FN11] [SN1] MAC-RESSOURCE (4244086) [][-1] -> BL-ACK (No FCS) -> MM : D-OTAR : GCK Provide
[FN12] [SN1] MAC-RESSOURCE (4244086) [][-1] -> BL-UDATA (No FCS) -> MM : D-LOCATION UPDATE ACCEPTED : Roaming location updating
[FN15] [SN1] MAC-RESSOURCE (16777215) [][-1] -> BL-UDATA (No FCS) -> MLE : D-NWRK-BROADCAST
[FN18] [SN2] MAC-RESSOURCE (16777215) [][-1] -> BL-UDATA (No FCS) -> MLE : D-NWRK-BROADCAST
[FN3] [SN1] MAC-RESSOURCE (16777215) [][-1] -> BL-UDATA (No FCS) -> MLE : D-NWRK-BROADCAST
[FN8] [SN1] MAC-RESSOURCE (4241548) [][-1] -> BL-ACK (No FCS) -> Reserved
[FN9] [SN1] MAC-RESSOURCE (4241548) [][-1] -> BL-UDATA (No FCS) -> MM : D-LOCATION UPDATE ACCEPTED : Call restoration roaming location updating
[FN11] [SN1] MAC-RESSOURCE (4241548) [][-1] -> AL-SETUP ->
[FN12] [SN1] MAC-RESSOURCE (4241548) [][-1] -> BL-ACK (No FCS) -> Reserved
[FN13] [SN1] MAC-RESSOURCE (4241548) [0100][3779] -> BL-UDATA (No FCS) -> MLE : D-RESTORE-ACK
[FN14] [SN1] MAC-RESSOURCE (4241548) [0100][3779] -> BL-UDATA (No FCS) -> MLE : D-RESTORE-ACK
[FN15] [SN1] MAC-RESSOURCE (16777215) [][-1] -> BL-UDATA (No FCS) -> MLE : D-NWRK-BROADCAST
```