RXTEST

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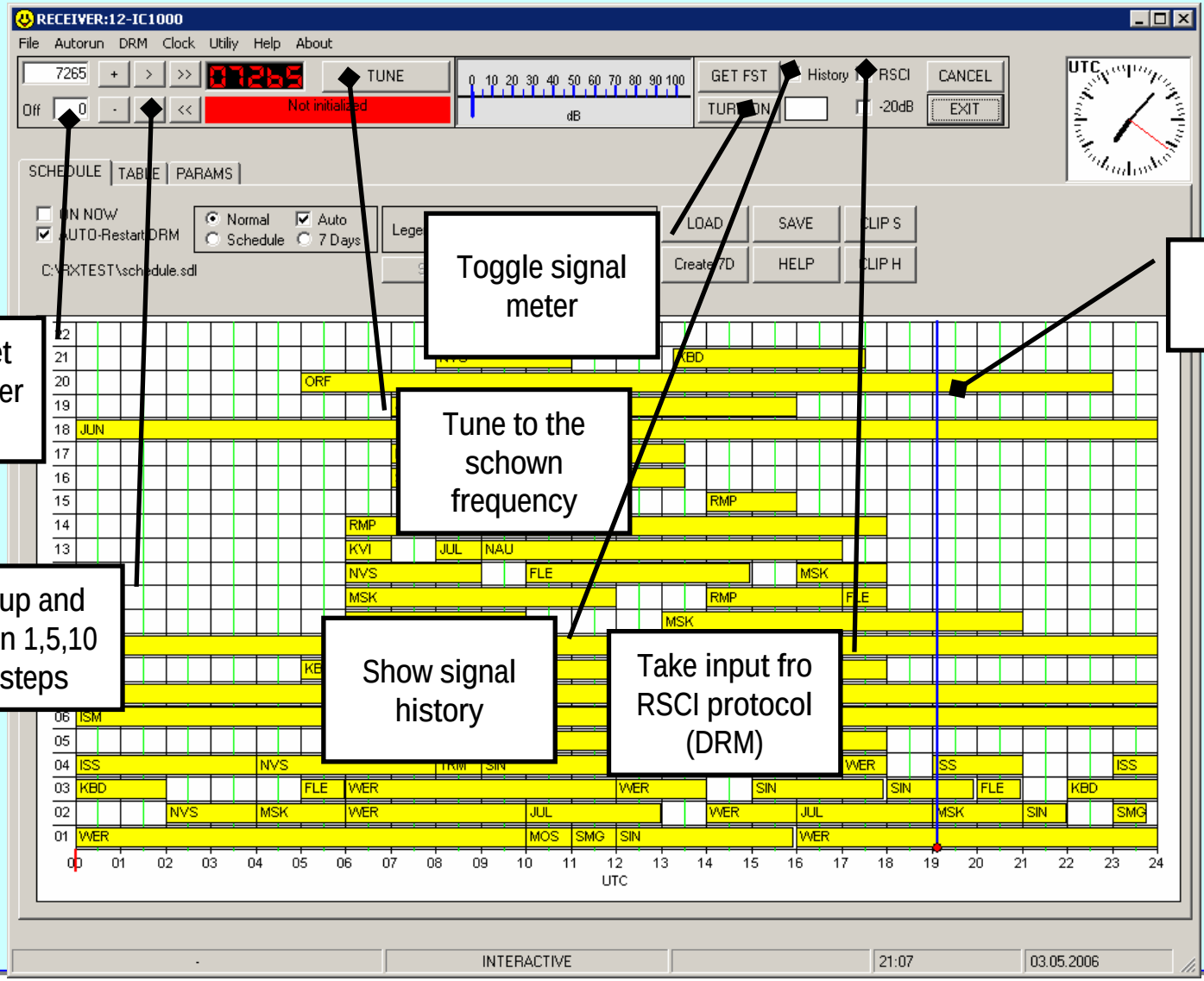
RXTEST - aim of the program

- RXTEST has been designed to
  - Test remote controlled receivers
  - Measure signal strength over time
  - Measure DRM reception data
  - Create SRO data similar to SIO
    - S= signal strength
    - R=readability
    - O=overall rating
  - To run scheduled measurements unattended
  - To facilitate flexible schedules
  - To import data from HFCC data base

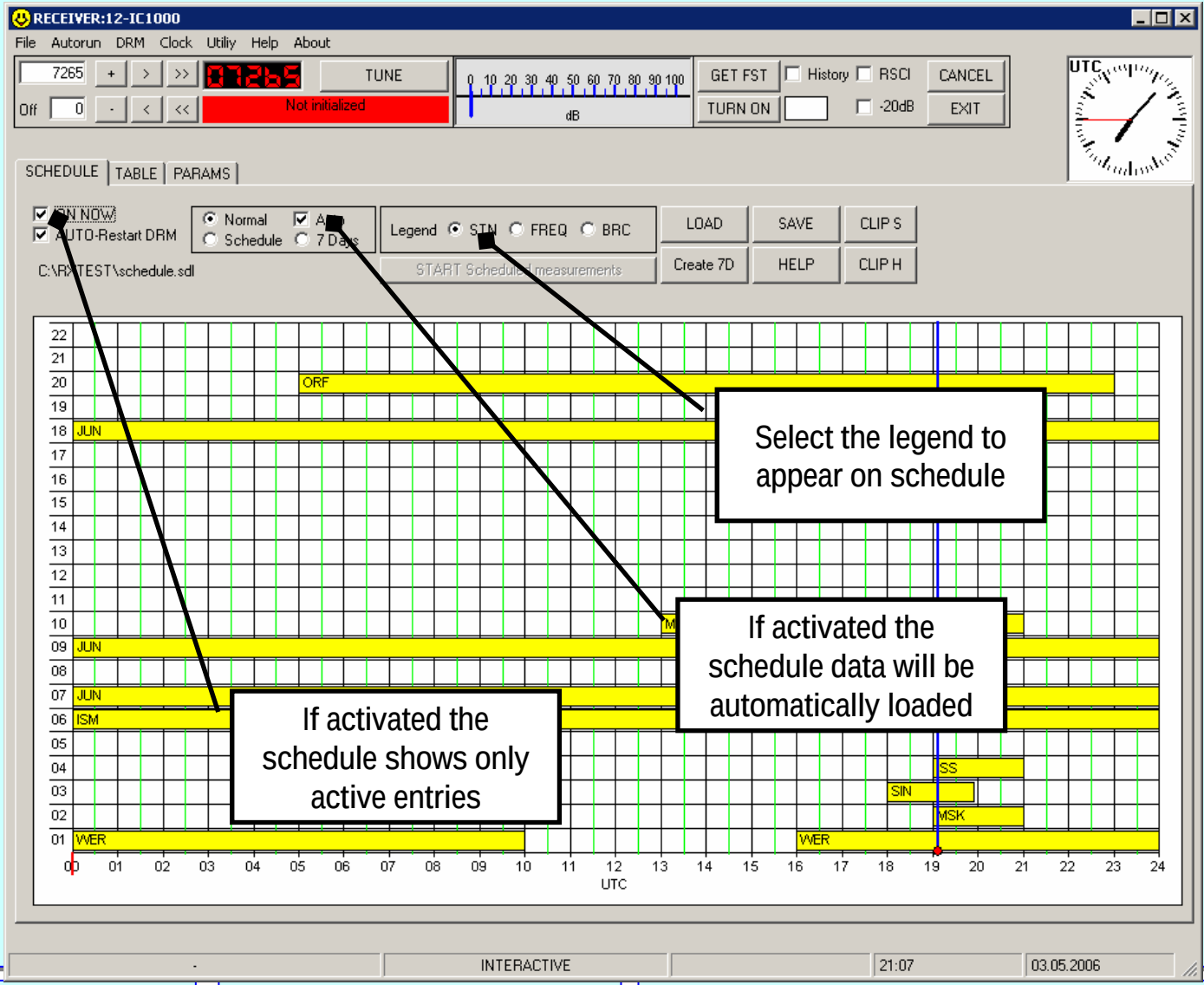
RXTEST - usage

- The program has been used at DEUTSCHE WELLE over the 3 years allmost continuous operation to provide data that are being used in DRM propagation and coverage prediction
- The SNR data from these measurements are included in WPLOTF2000

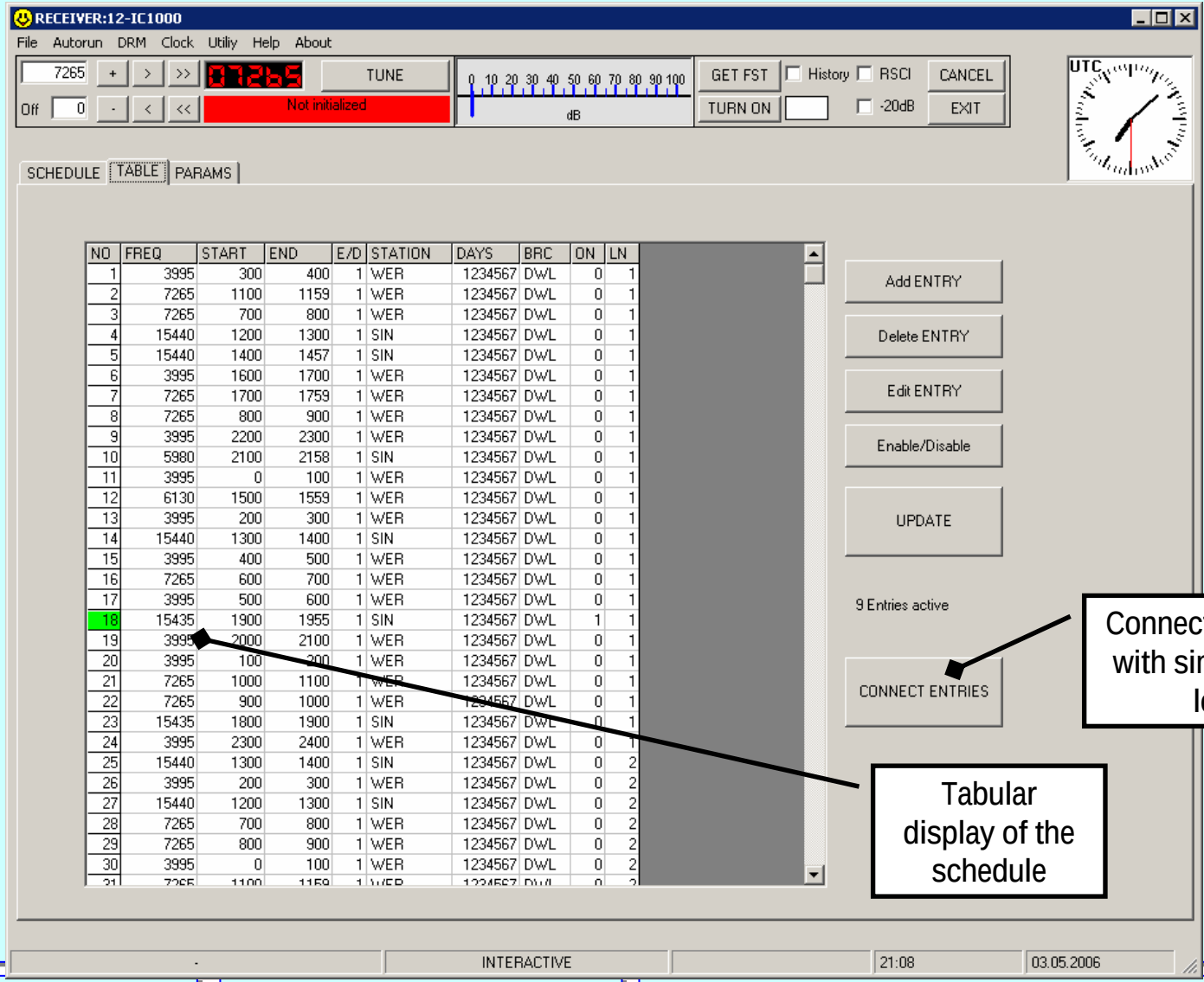
RXTEST main screen



RXTEST – main screen



RXTEST – main screen data table

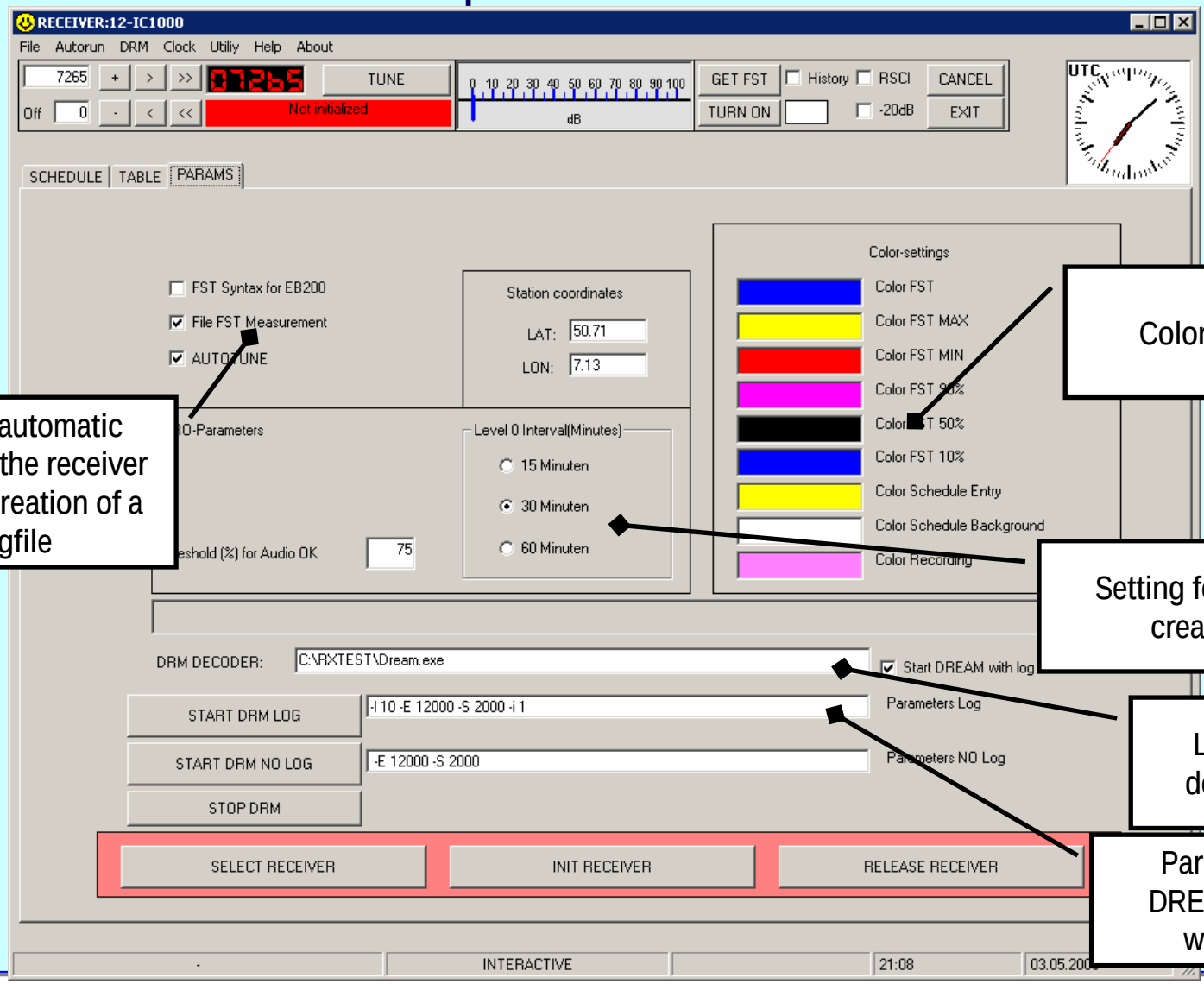


NO	FREQ	START	END	E/D	STATION	DAYS	BRC	ON	LN
1	3995	300	400	1	WER	1234567	DWL	0	1
2	7265	1100	1159	1	WER	1234567	DWL	0	1
3	7265	700	800	1	WER	1234567	DWL	0	1
4	15440	1200	1300	1	SIN	1234567	DWL	0	1
5	15440	1400	1457	1	SIN	1234567	DWL	0	1
6	3995	1600	1700	1	WER	1234567	DWL	0	1
7	7265	1700	1759	1	WER	1234567	DWL	0	1
8	7265	800	900	1	WER	1234567	DWL	0	1
9	3995	2200	2300	1	WER	1234567	DWL	0	1
10	5980	2100	2158	1	SIN	1234567	DWL	0	1
11	3995	0	100	1	WER	1234567	DWL	0	1
12	6130	1500	1559	1	WER	1234567	DWL	0	1
13	3995	200	300	1	WER	1234567	DWL	0	1
14	15440	1300	1400	1	SIN	1234567	DWL	0	1
15	3995	400	500	1	WER	1234567	DWL	0	1
16	7265	600	700	1	WER	1234567	DWL	0	1
17	3995	500	600	1	WER	1234567	DWL	0	1
18	15435	1900	1955	1	SIN	1234567	DWL	1	1
19	3995	2000	2100	1	WER	1234567	DWL	0	1
20	3995	100	200	1	WER	1234567	DWL	0	1
21	7265	1000	1100	1	WER	1234567	DWL	0	1
22	7265	900	1000	1	WER	1234567	DWL	0	1
23	15435	1800	1900	1	SIN	1234567	DWL	0	1
24	3995	2300	2400	1	WER	1234567	DWL	0	1
25	15440	1300	1400	1	SIN	1234567	DWL	0	2
26	3995	200	300	1	WER	1234567	DWL	0	2
27	15440	1200	1300	1	SIN	1234567	DWL	0	2
28	7265	700	800	1	WER	1234567	DWL	0	2
29	7265	800	900	1	WER	1234567	DWL	0	2
30	3995	0	100	1	WER	1234567	DWL	0	2

Connect multiple entries with similar data to one long entrie

Tabular display of the schedule

RXTEST – main screen parameters



Enable automatic tuning of the receiver and the creation of a logfile

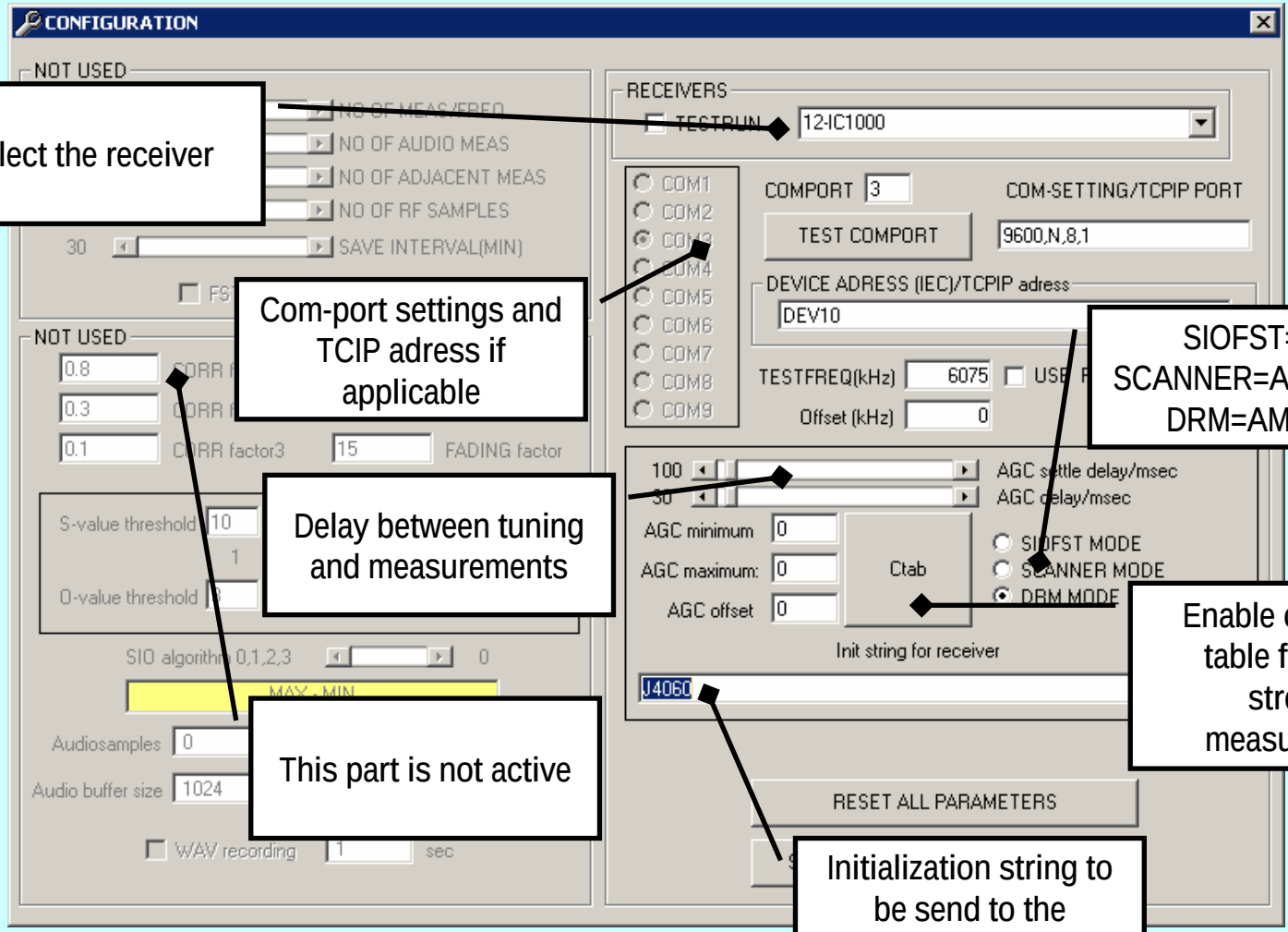
Color settings

Setting for SRO-creation

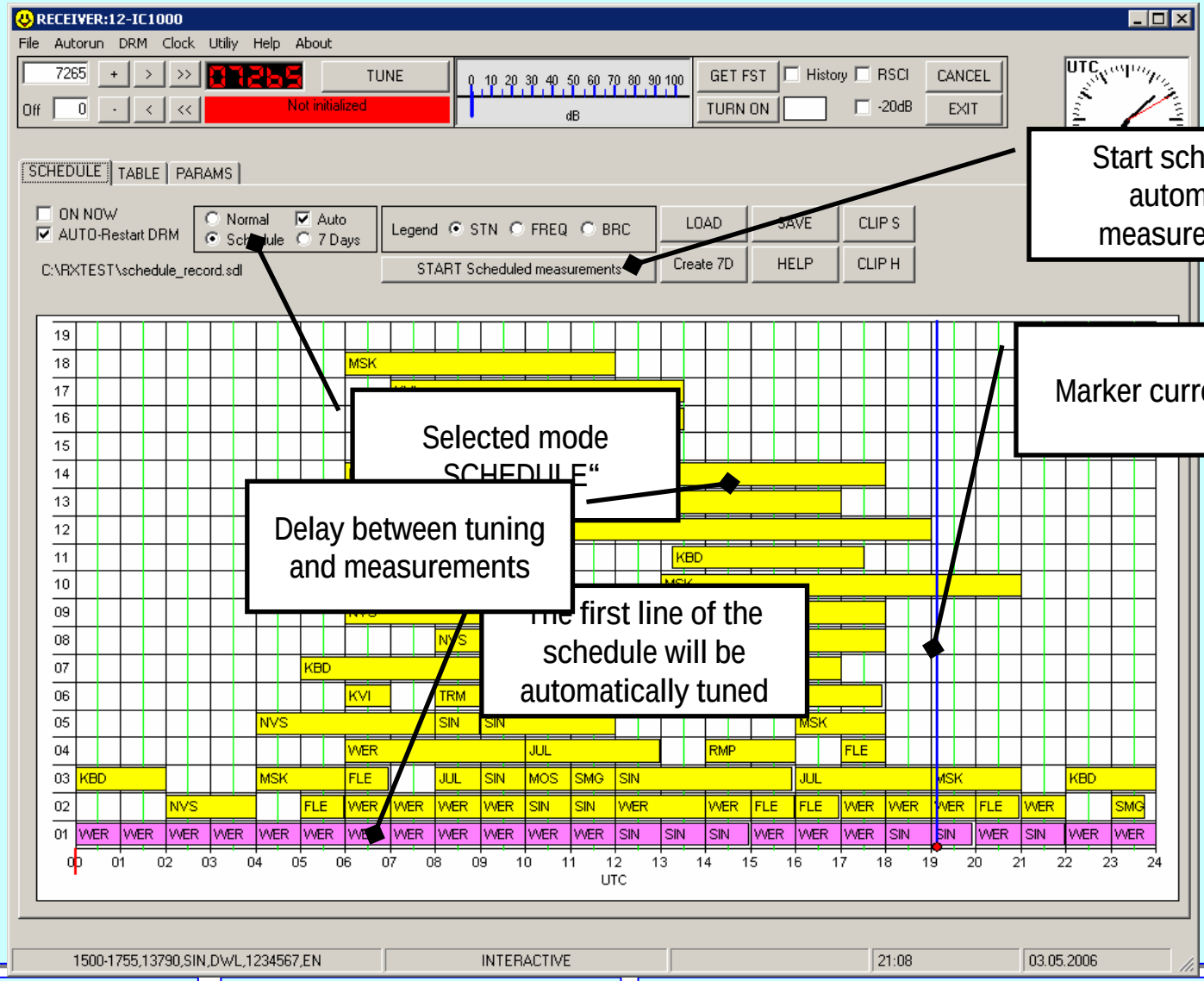
Link to the DRM decoder program

Parameters for DREAM with and without log

RXTEST – receiver setup



RXTEST – scheduled measurements



Start scheduled automatic measurements

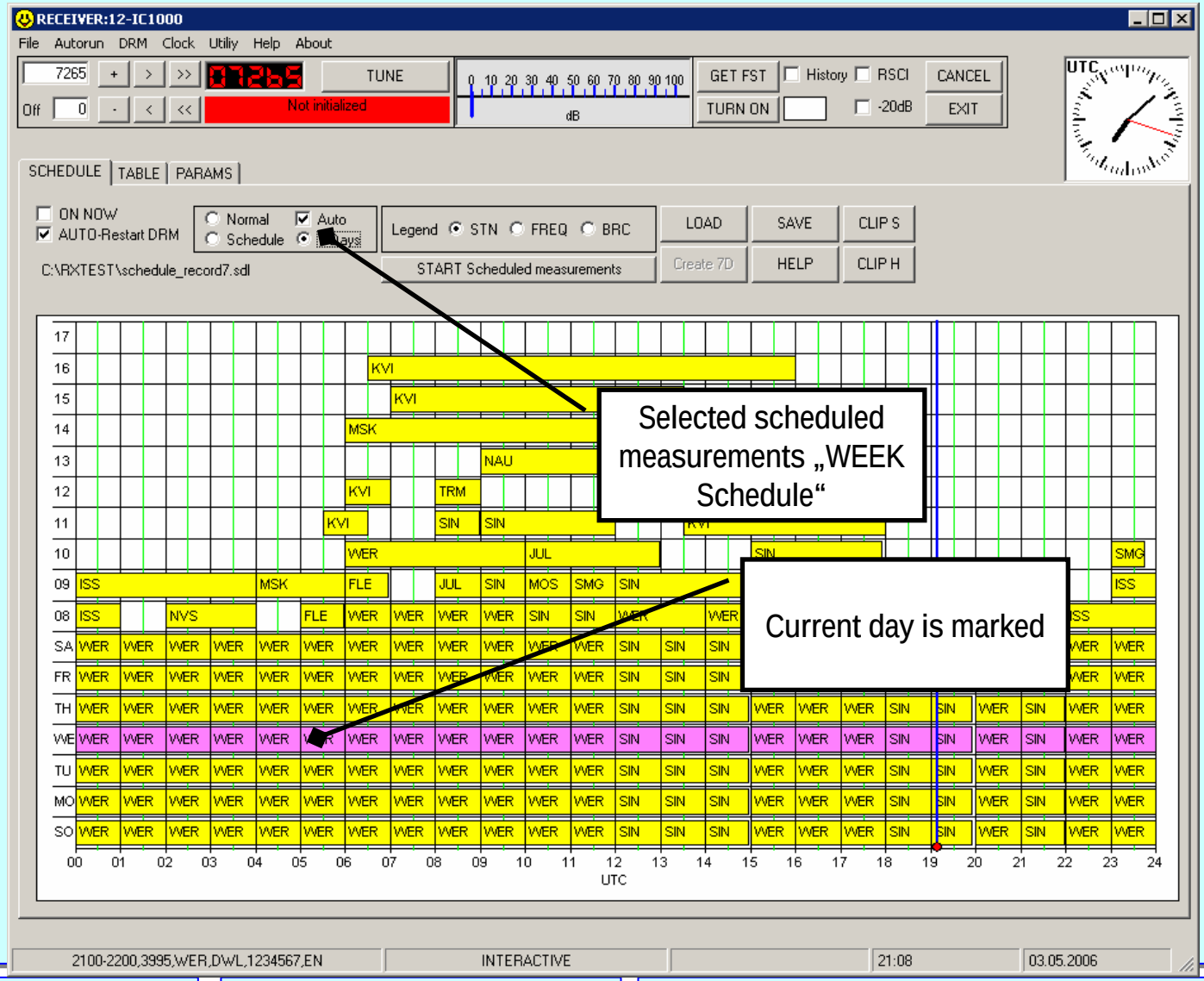
Marker current time

Selected mode SCHEDULE“

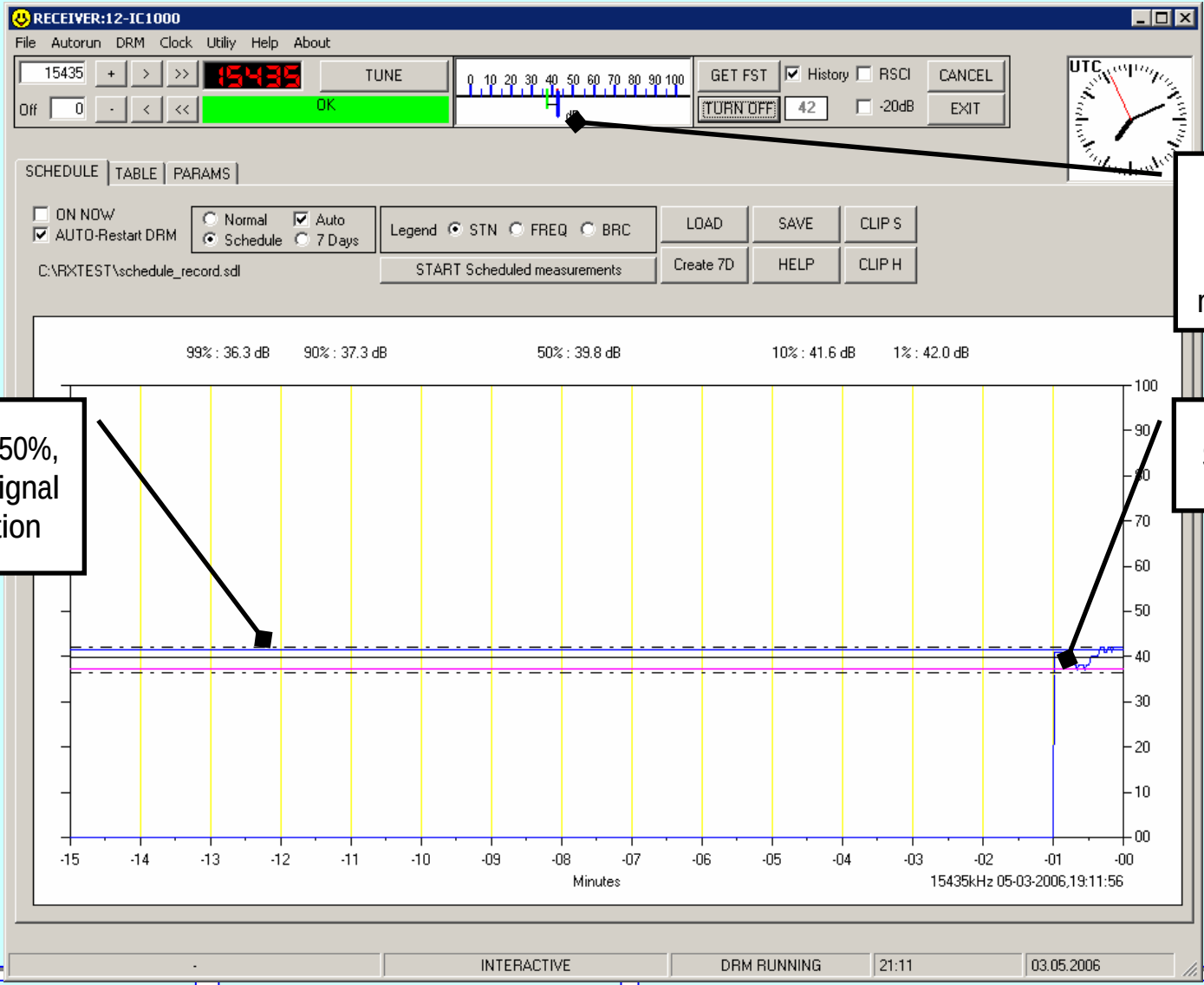
Delay between tuning and measurements

The first line of the schedule will be automatically tuned

RXTEST –scheduled measurements



RXTEST running measurements



Meter shows the actual value and the min-max range

99%,90%,50%, 10%,1% signal distribution

Signal history