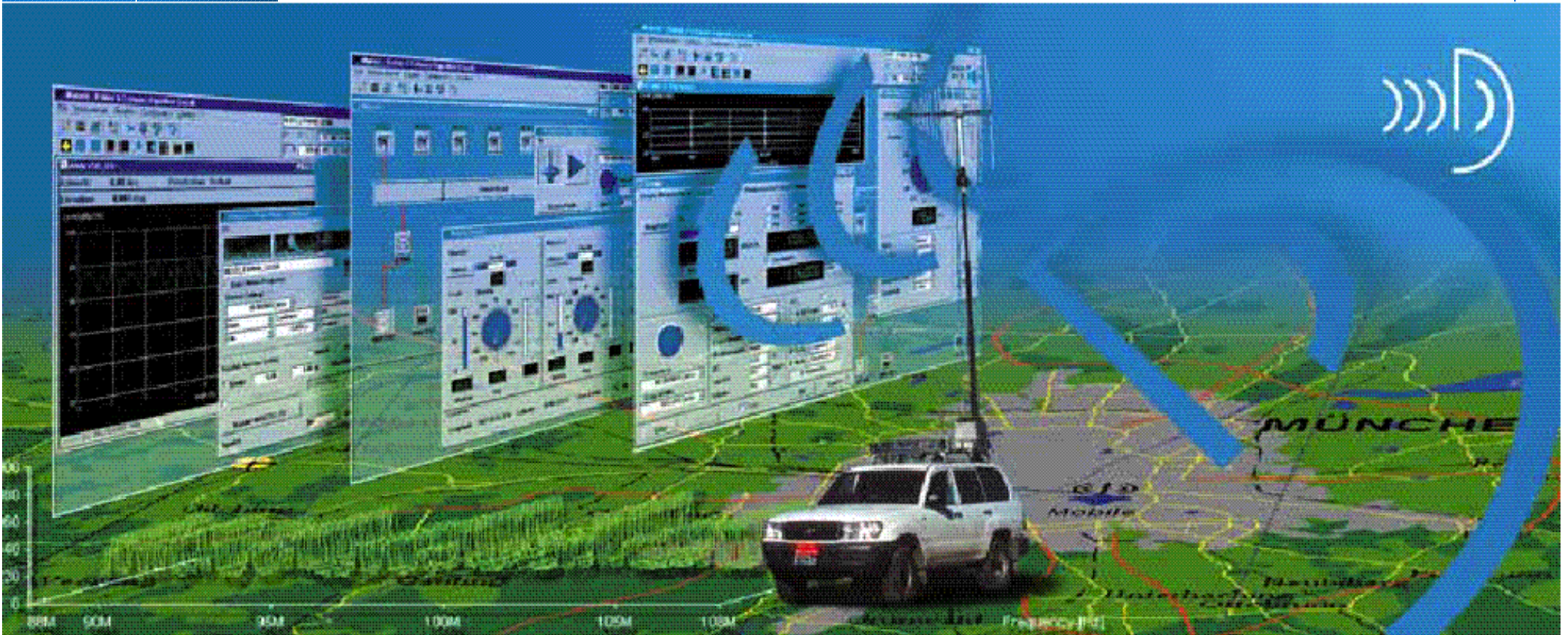
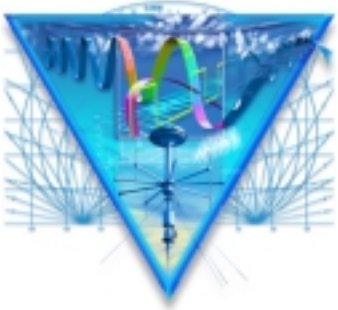


Update Information about R&S ARGUS Software





Direct Measurement Mode

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

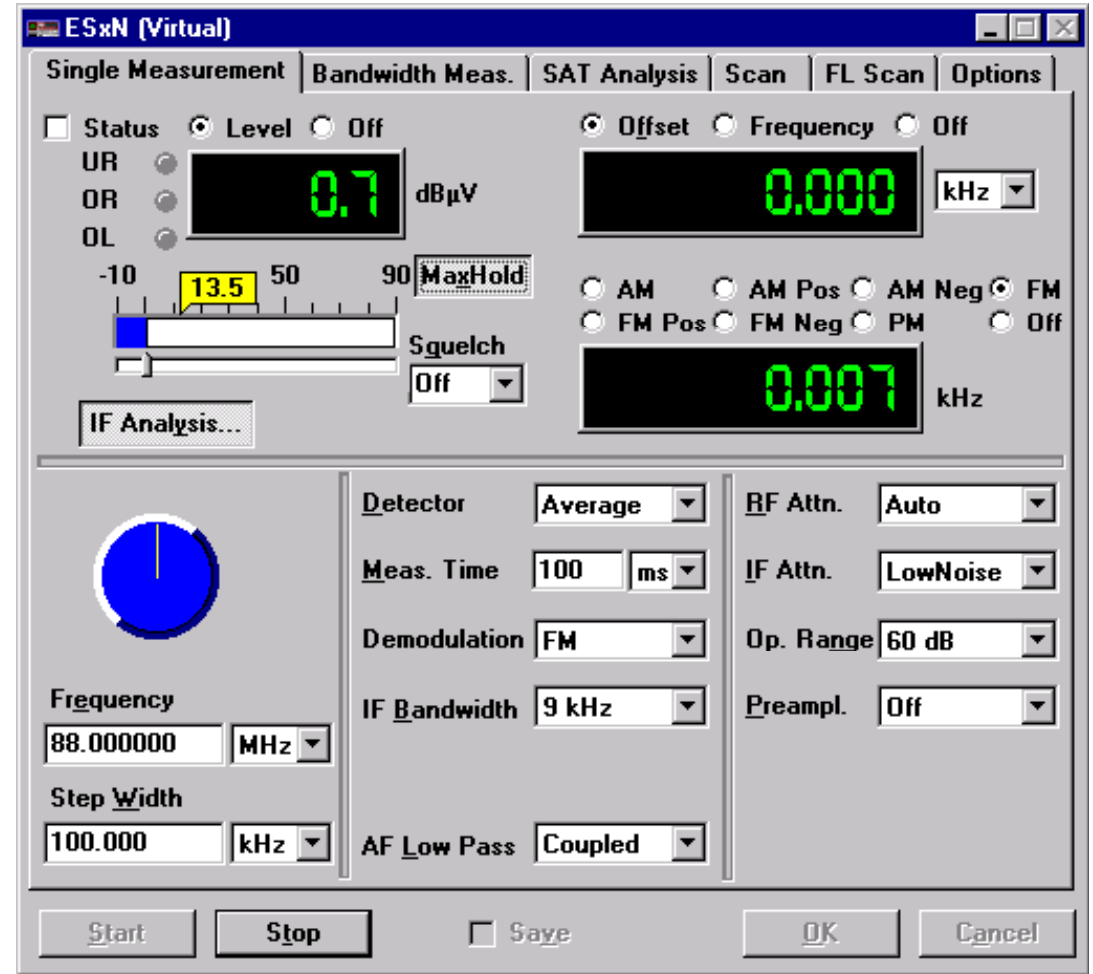
Update Information
V4.3 over V4.2

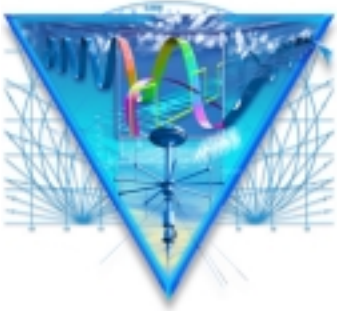
Update Information
V4.4 over V4.3

Contact

The direct meas.
mode is improved
due to

- ◆ characters are better readable
- ◆ meas.results can be stored now
- ◆ graphics are included in Scan and Frequency List Scan





Direct Measurement Mode

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

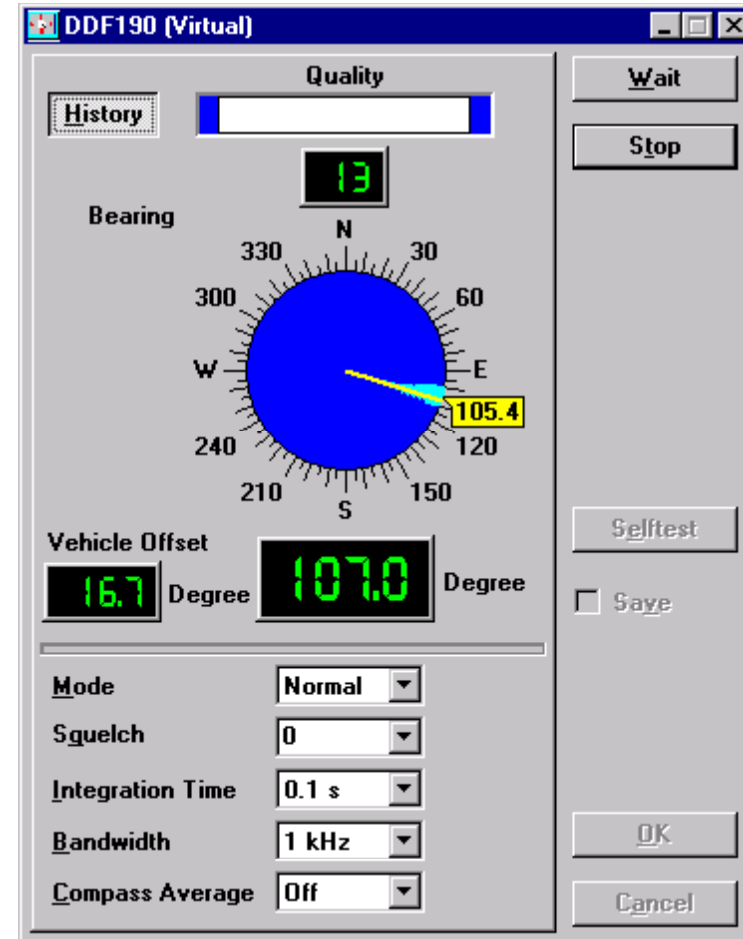
Update Information
V4.2 over V4.1

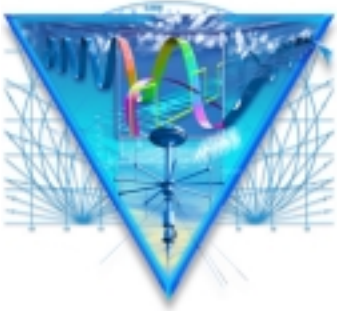
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

All Direction Finders has a new history function.





Transmitter List Editor

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

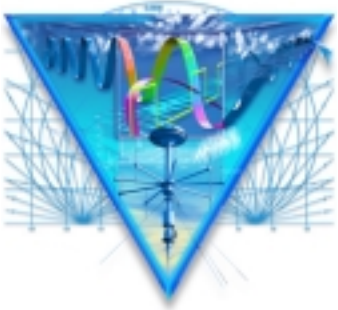
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

There is the new transmitter list editor to save, edit and measure with transmitter data.

View Transmitter Dataset				
Transmitter	<input type="text" value="test"/>	ZIP Code	<input type="text" value="81256"/>	<input type="button" value="Next"/>
Frequency	<input type="text" value="98.500000"/> <input type="text" value="MHz"/>	City	<input type="text" value="München"/>	<input type="button" value="Previous"/>
Channel Spacing	<input type="text" value="800.000"/> <input type="text" value="kHz"/>	Street	<input type="text" value="Rodachtalweg 1a"/>	<input type="button" value="Close"/>
Service	<input type="text" value="zt"/>	Distance	<input type="text" value="0.0"/> km	
Signature	<input type="text" value="hgfhgfkoi"/>	Longitude	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0.00"/> <input type="text" value="E"/>	
Call Sign	<input type="text" value="zguvvvt"/>	Latitude	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0.00"/> <input type="text" value="N"/>	
Licensee	<input type="text" value="jhgjhgi"/>	Limit for Frequency Offset	<input type="text" value="54.000"/> <input type="text" value="kHz"/>	
Telephone	<input type="text" value="085765"/>	Limit for Bandwidth	<input type="text" value="876.000"/> <input type="text" value="kHz"/>	
Country Code	<input type="text" value="GRD"/>	Limit for Modulation	<input type="text" value="65"/> <input type="text" value="%"/>	



Spectrum Management Database Interface

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

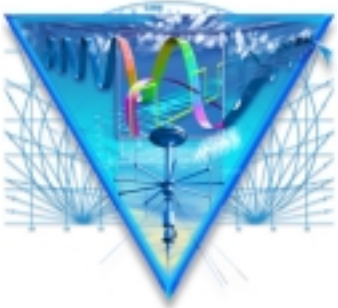
General data interface to Spectrum Management Database for importing frequencies and transmitter parameter to R&S ArgusMon and exporting results to the database.

The image shows two overlapping dialog boxes from the Spectrum Management Database interface. The background dialog is titled 'Import Transmitters' and has the following sections:

- Transmitter Frequencies:** Radio buttons for 'No Restrictions', 'Single Frequency', 'Frequency List', and 'Frequency Range'. The 'Frequency Range' option is selected, with a frequency value of '88.000000' entered.
- Optional Search Criteria:** Text fields for 'Service' (containing 'BC'), 'Signature', and 'Call Sign'.
- Transmitter Locations:** Radio buttons for 'No Restrictions', 'Country Code', 'City', 'ZIP Code', and 'Coordinates'. 'Country Code' is selected, with 'PDR (Portugal)' entered. There are also fields for 'Longitude' and 'Latitude'.
- Result:** A text field containing 'FM transmitter'.
- Buttons:** 'OK' and 'Cancel' buttons.

The foreground dialog is titled 'Import Frequencies' and has the following sections:

- Transmitter Frequencies:** A 'Frequency Range' section with two text boxes containing '88.000000' and '108.000000', each followed by a 'MHz' dropdown menu.
- Optional Search Criterion:** A text field for 'Service' containing 'BC'.
- Transmitter Locations:** A 'Country Code' dropdown menu with 'PDR (Portugal)' selected. Radio buttons for 'City', 'ZIP Code', and 'Coordinates'. 'City' is selected, with 'Lisbon' entered. There are also fields for 'Longitude' (0 0 0.00 E) and 'Latitude' (0 0 0.00 N), and a 'Radius' field set to '1000 km'.
- Result:** A text field containing 'FM transmitter'.
- Buttons:** 'Import Occupied Frequencies', 'Import Unassigned Frequencies', and 'Cancel' buttons.



Characteristic Values Editor

There is the new characteristic values editor for the compressed measurement results. These characteristics values are exported to the Spectrum Management Database.

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

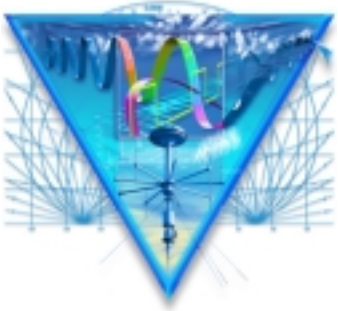
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

Characteristic Values Record		Bearing		Bandwidth	
Measurement Station	Munich	Mean Value	* Degree	Mean Value	* kHz
Longitude of Meas. Station	11 21 48.0 E	Standard Deviation	* Degree	Standard Deviation	* kHz
Latitude of Meas. Station	48 17 13.0 N	Date and Time of Measurement		Maximum	* kHz
Transmitter Name		Start	18.01.01 00:00:00,858	Limit Value	* kHz
Service		Stop	18.01.01 00:29:59,634	Modulation	
Signature		Field Strength		Type	
Call Sign		Mean Value	23,8 dBµV/m	Mean Value	* kHz
Licensee		Standard Deviation	3,9 dBµV/m	Standard Deviation	* kHz
Longitude of Transmitter		Maximum	33,4 dBµV/m	Maximum	* kHz
Latitude of Transmitter		Frequency Offset		Limit Value	* kHz
Number of Meas. Values	1473	Mean Value	* kHz	<input type="button" value="Next"/> <input type="button" value="Previous"/> <input type="button" value="Cancel"/>	
Frequency	88,300000 MHz	Standard Deviation	* kHz		
Frequency Band Occupancy	* %	Maximum	* kHz		
Antenna	HE309	Limit Value	* kHz		
IF Bandwidth	120,000 kHz				
Reference	test				



More Benefits at a Glance

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

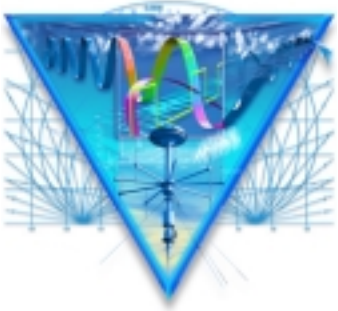
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

- ◆ R&S ARGUS-IT software runs now under Windows NT 4.0
- ◆ Bearing meas. mode has now a better user interface
- ◆ Progress display for transferring measurement results from the measurement unit to the control unit
- ◆ The speed is increased of transferring results from the devices to the software and from the measurement unit to the control unit.
- ◆ Y2k compatible
- ◆ New R&S ArgusMon software interface: frequencies can be imported from dBase or Excel files.



System Visualizer

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

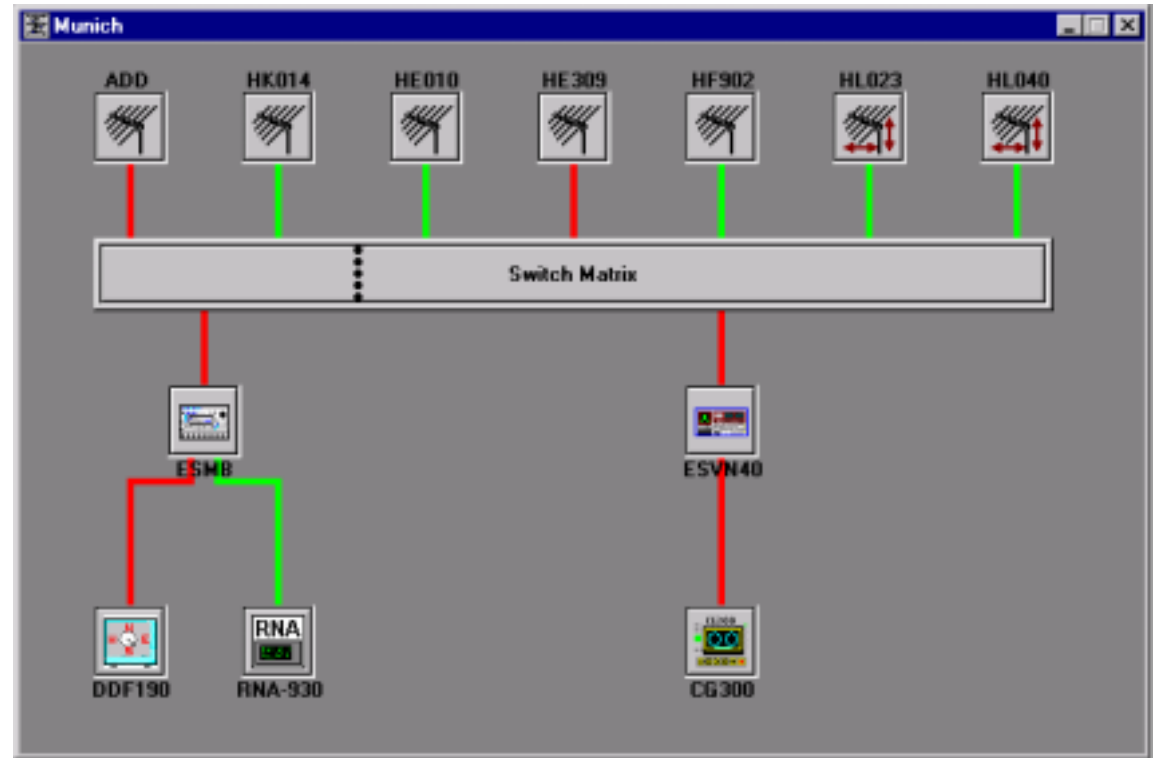
Update Information
V4.2 over V4.1

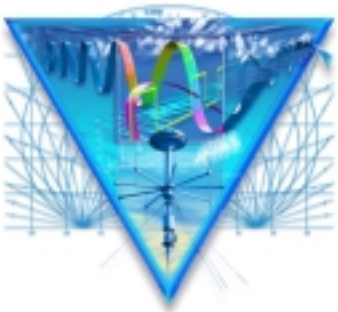
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

The new system visualizer produces the schematic of a selected monitoring station: antennas, receivers, analyzers, decoders and recording equipment with all their connections are shown in graphical representation.





Interactive Measurement Mode

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

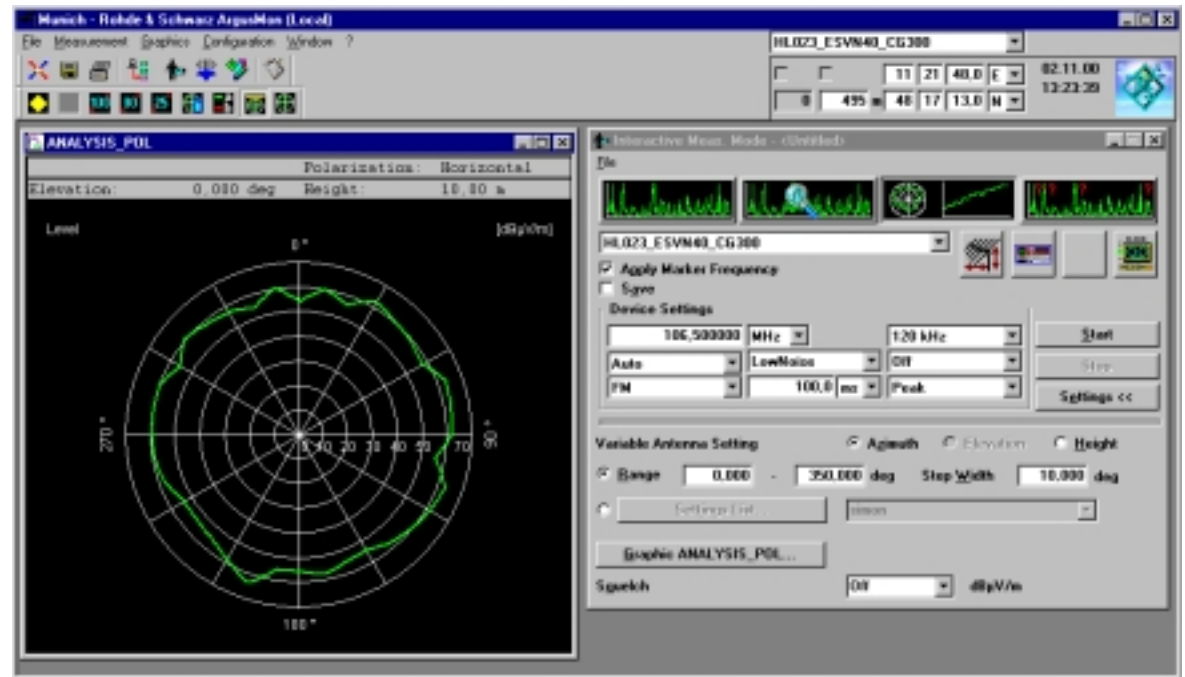
Update Information
V4.2 over V4.1

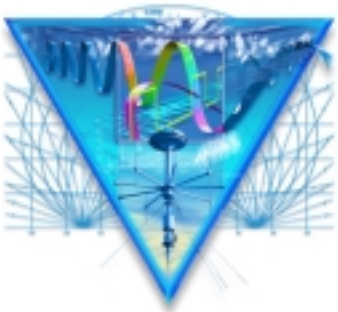
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

The revised IMM and the BMM now ensure direct access to device settings. This does away with bothersome setting through range configuration menus. In addition to spectrum and signal analysis, the IMM now also offers antenna analysis for fast omnidirectional, height and elevation measurements.





Interactive Measurement Mode

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

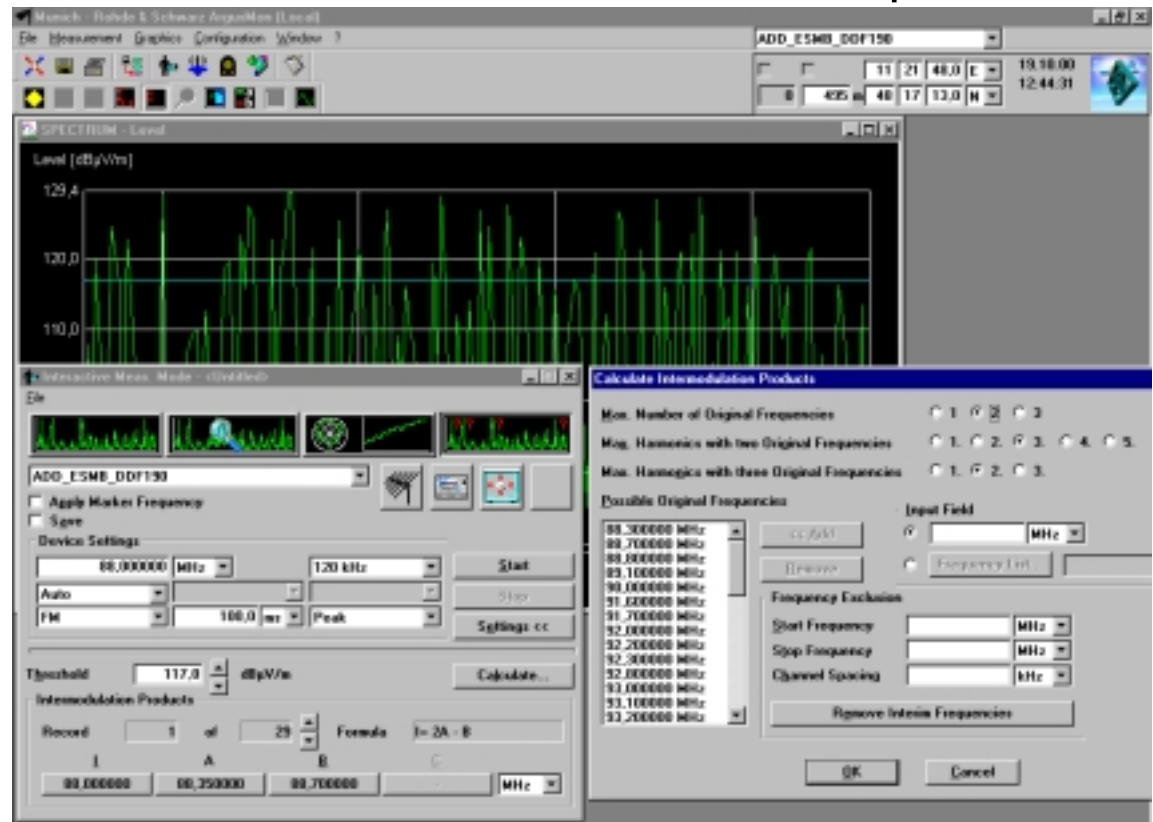
Update Information
V4.2 over V4.1

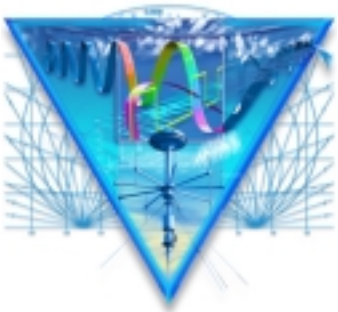
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

Intermodulation analysis is now integrated into IMM. The original frequencies can be found much faster since the number of possible frequencies and the maximum order can be limited during calculation and the results displayed according to probability. Editing the list of possible original frequencies was also extended and simplified.





Interactive Measurement Mode

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

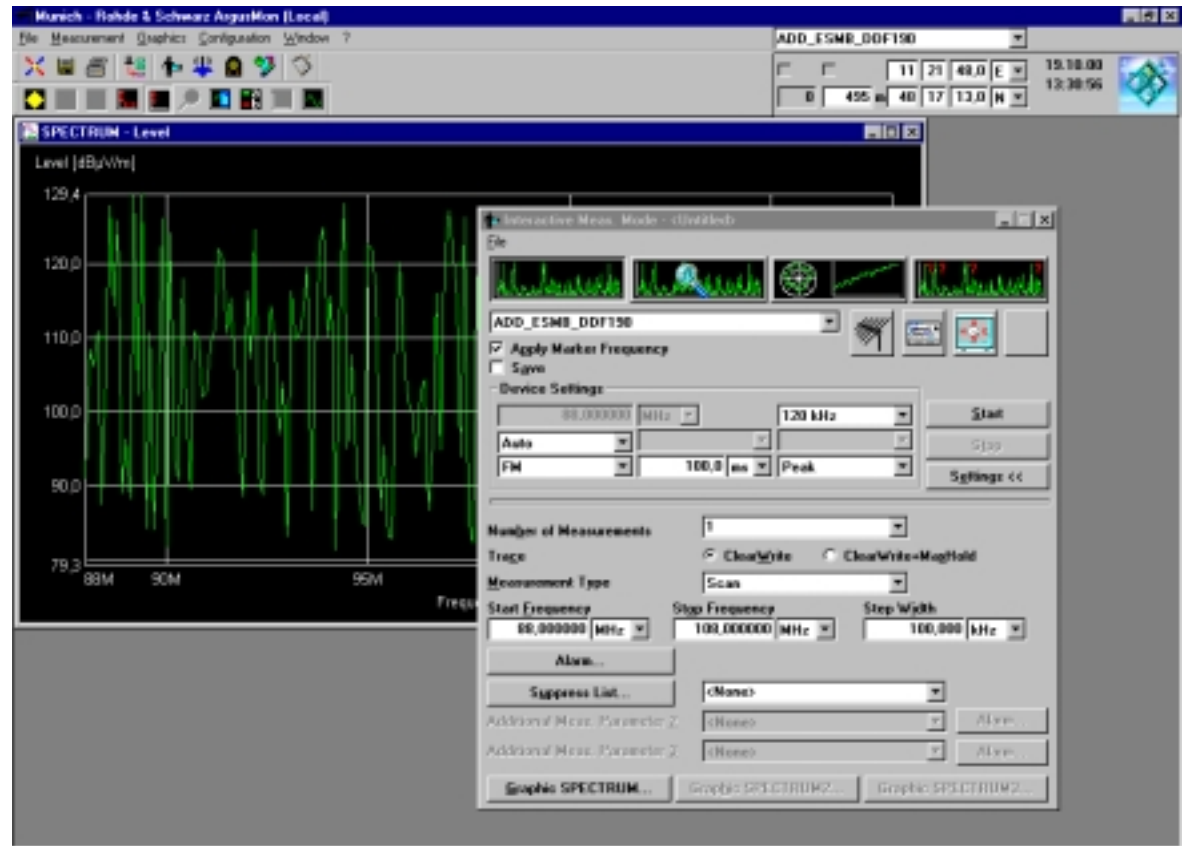
Update Information
V4.2 over V4.1

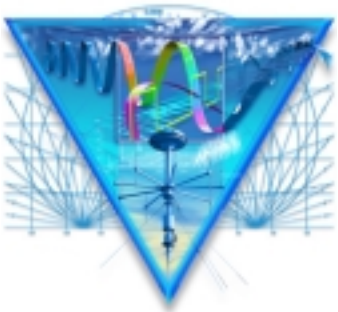
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

In the spectrum mode it is now possible to define alarm conditions. If they are exceeded for example, signal analysis of the particular frequency can be started.





Bearing Measurement Mode

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

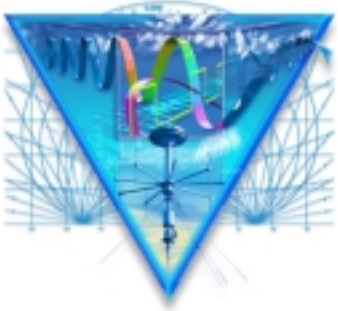
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

In the BMM it is possible to calculate and store radiolocation results. This requires the use of at least two direction finders. Locations can also be performed by the AMM or IMM and the results can be stored.



Automatic Measurement Mode

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

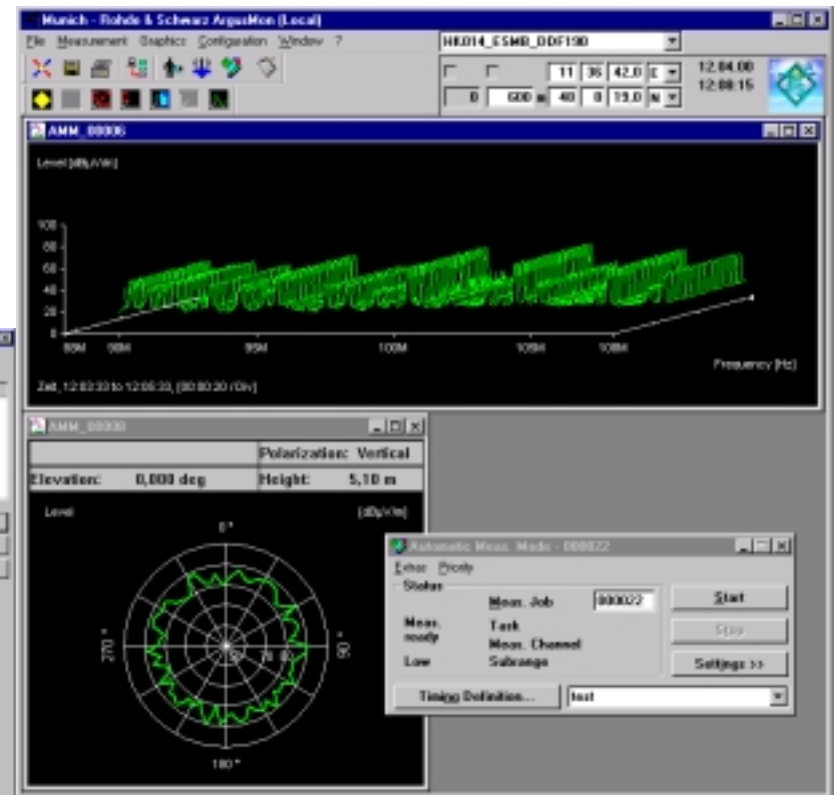
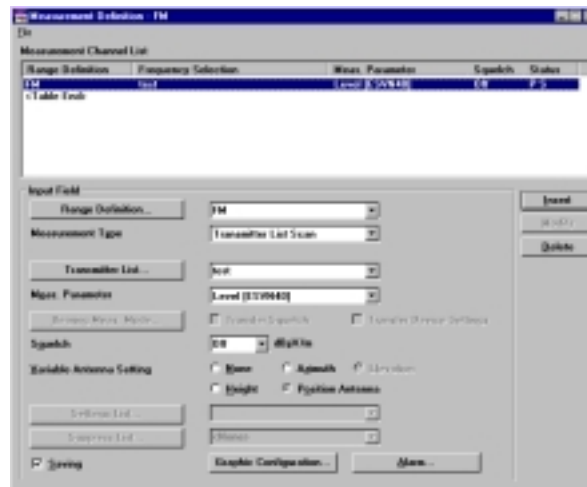
Update Information
V4.2 over V4.1

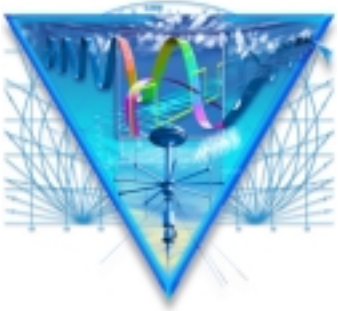
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

In the AMM scans of transmitter lists can be performed. Transmitter lists can be entered in ArgusMon or can be extracted from a spectrum management database. Since the location of a transmitter is often known, R&S ArgusMon can align rotatable antennas towards the transmitter and then measure.





User Manual ARGUS-IT

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

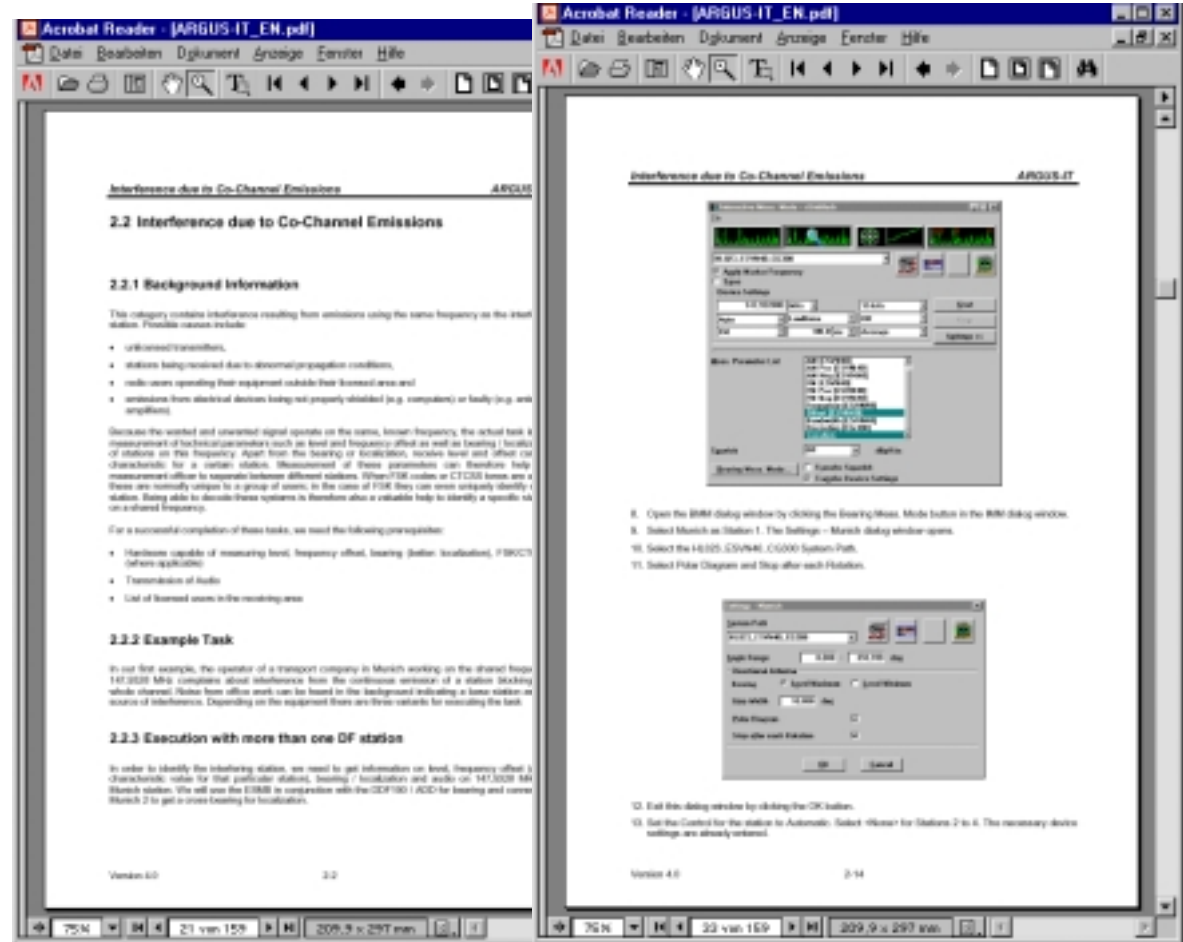
Update Information
V4.2 over V4.1

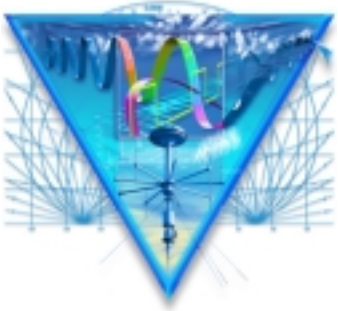
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

The new practice-proven user manual R&S ARGUS-IT was developed in close cooperation with experienced customers. It explains step by step the commonest, typical measurement tasks in spectrum monitoring and how to solve them with the R&S ARGUS software.





Frequency Band Occupancy

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

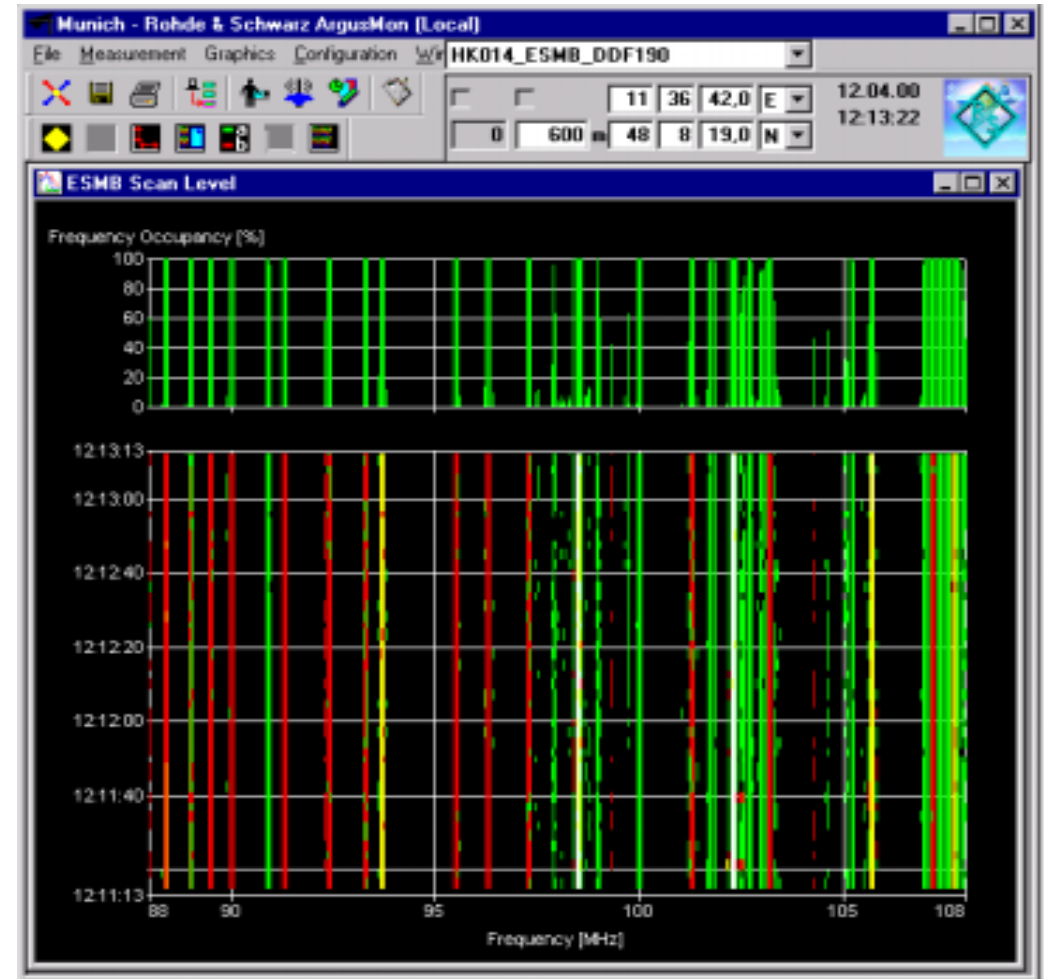
Update Information
V4.2 over V4.1

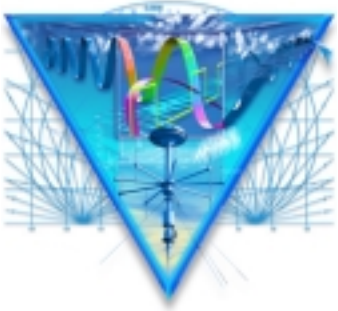
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

A new graphical window shows frequency band occupancy during a measurement in realtime.





Frequency Channel Occupancy

R&S ArgusEval contains new statistics for frequency channel occupancy according to an draft ITU recommendation.

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

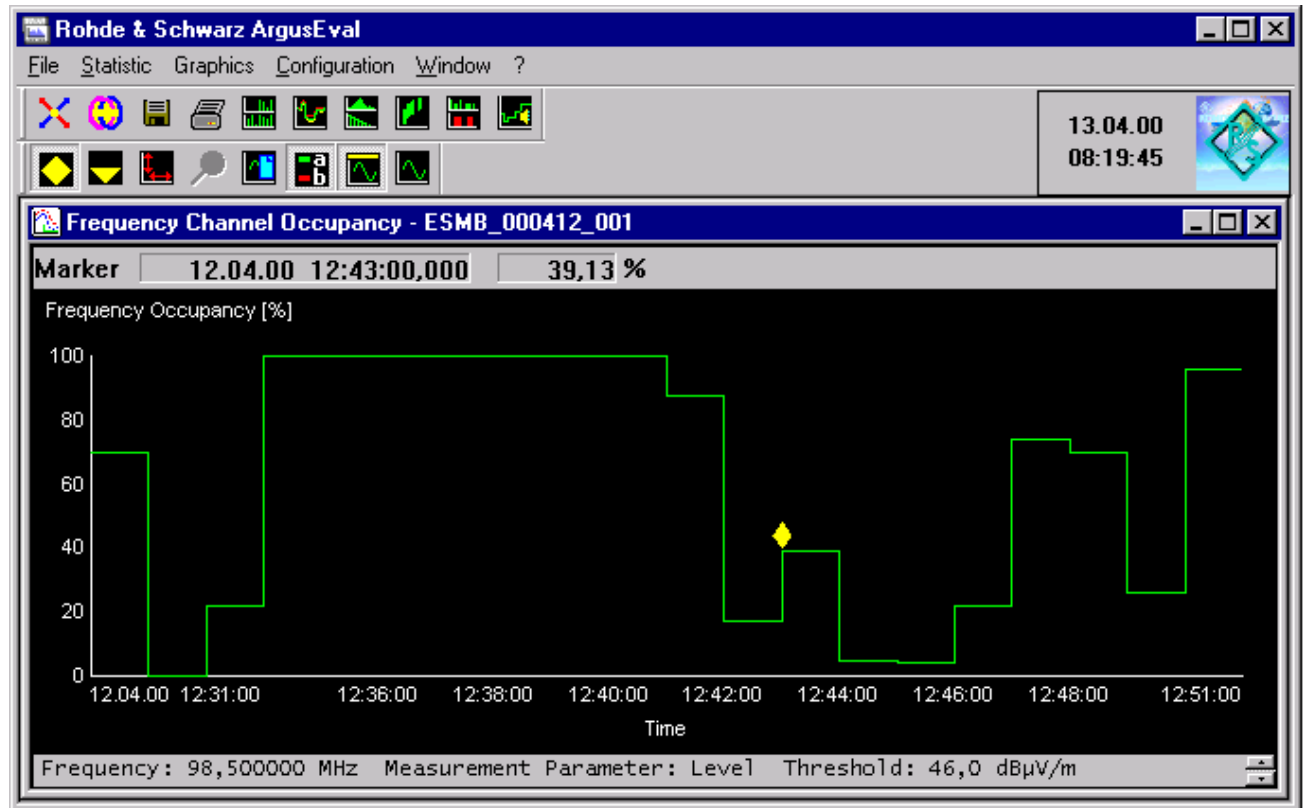
Update Information
V4.1 over V4.0

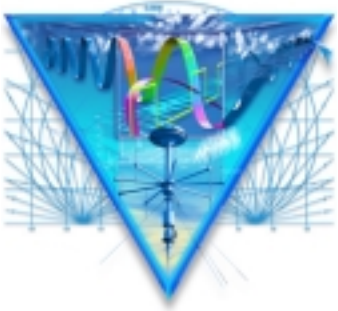
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

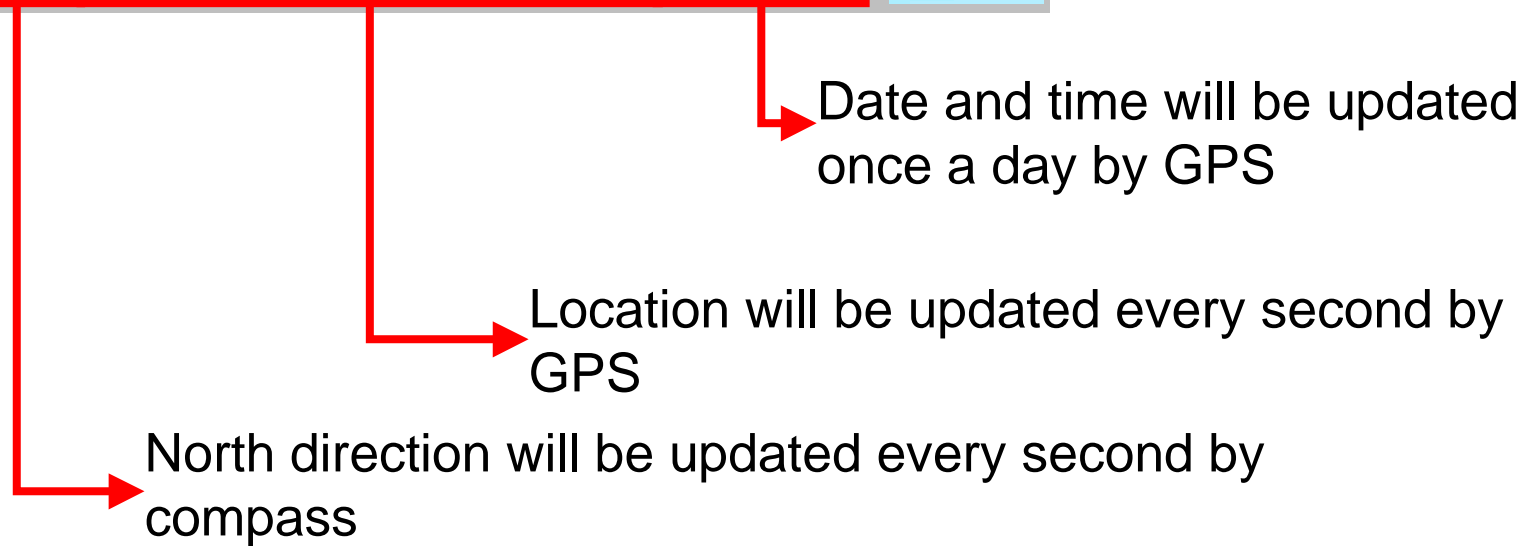
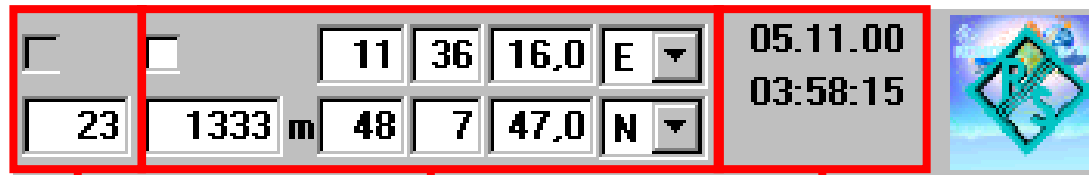
Contact





Auxiliary Toolbar

An auxiliary toolbar shows the current location and alignment of the monitoring mobile at a glance if a GPS receiver and compass are connected.



Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

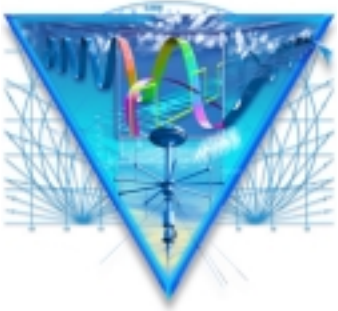
Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact



Navigator for Data

The newly developed navigator in R&S ArgusMon and R&S ArgusEval allows extremely fast access to definition files and measured results.

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

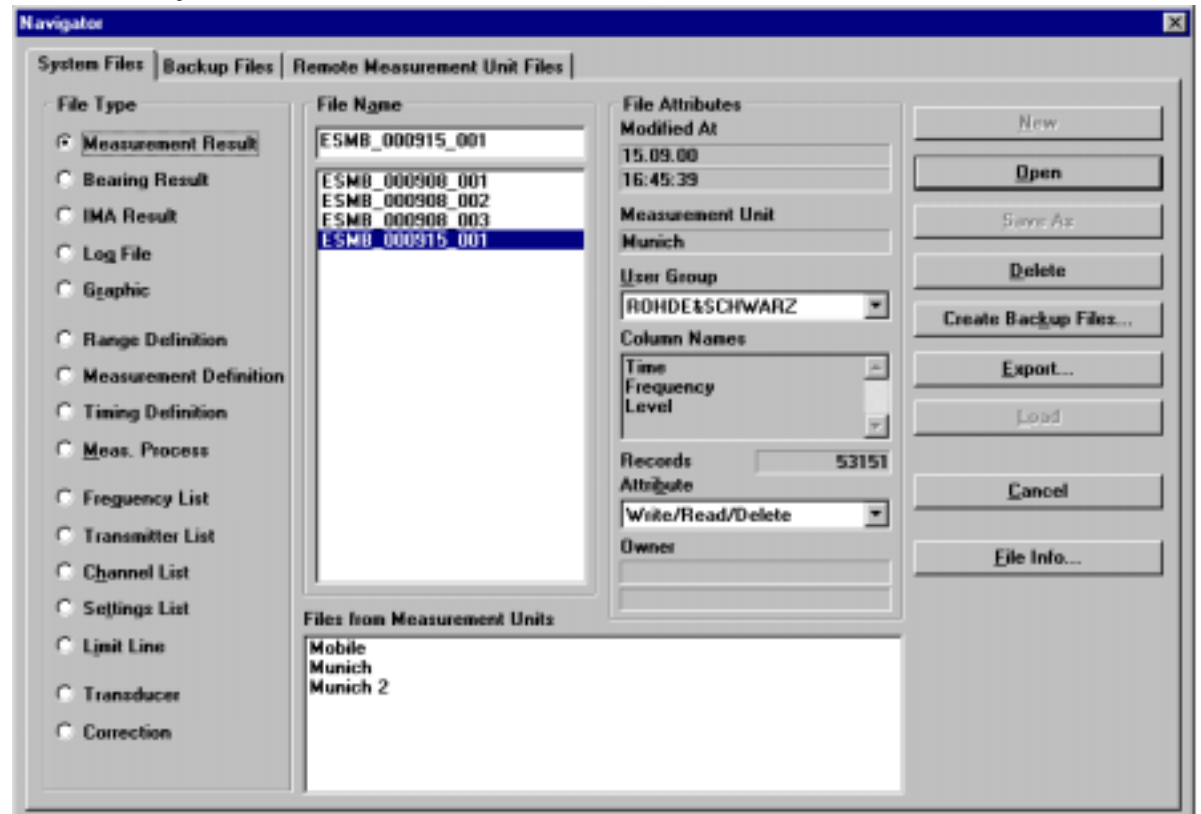
Update Information
V4.1 over V4.0

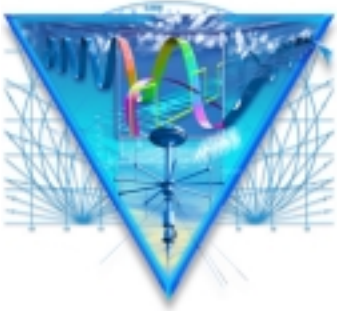
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact





More Benefits at a Glance

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

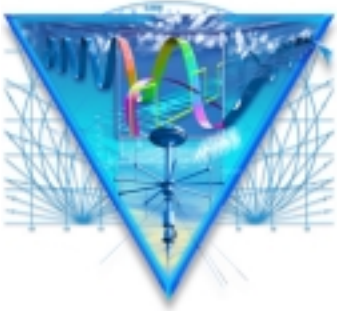
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

- ◆ The time stamp in the measured results now also indicates milliseconds to accommodate modern receivers
- ◆ The speed of graphics presentation is as much as ten times faster
- ◆ Level cannot only be measured in dB μ V and dB μ V/m but now in all other common units
- ◆ All statistics can be generated faster because the measured results can be used direct. Generating the channels is no longer necessary
- ◆ An integrated tool converts Your data measured and collected with version 3.6 to the new format used by ARGUS V4.0
- ◆ Chinese version available



FMTV Measurement Mode

The FMTV measurement mode is totally revised for more efficient use.

Initialization

Measurement Range:

Measurement Task: Transmitter List Scan Gruenten 103
 Occupancy Meas. Test Usable Field Strength
 Single Measurement Identification
 Control Meas. Reflection

System Path: HL023_ESMB_CG300

Antenna Settings

Rotation Range: 0 - 359 deg
 Step Width: 10 deg
 Polarization: V H
 Height: 9,5 m

Receiver Settings

Detector: Average

IF Bandwidth: 120 kHz

RF Attenuation: Auto
 IF Attenuation: LowNoise
 Preamplifier:
 Demodulation: FM
 Meas. Time: 100,0 ms

Result Overviews

1. Interference Analysis

Gruenten
B / 103,0 / 103,0

2. Interference Analysis

3. Interference Analysis

4. Interference Analysis

5. Interference Analysis

6. Interference Analysis

7. Interference Analysis

Measurement Points

M...	Zi...	City	Street	Longitude	Latitude	Alt...	Co...	Map	Weather	Vehicle	Official	Records
1	88...	Aufkirch	Tierheim	009°09'00,0"E	47°46'59,0"N	532	0	8220	sonnig	MZ-10...	xy	26
2	78...	Sipplingen	Gräfin-Hild...	009°05'39,0"E	47°47'59,0"N	448	0	8120	sonnig	MZ-10...	xy	23
3	88...	Nesselwa...	Darrenösc...	009°07'09,0"E	47°49'06,0"N	609	0	8120	sonnig	MZ-10...	xy	23
4	88...	Nußdorf	Zum Saibli...	009°12'05,0"E	47°45'13,0"N	435	0	8221	sonnig	MZ-10...		23

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

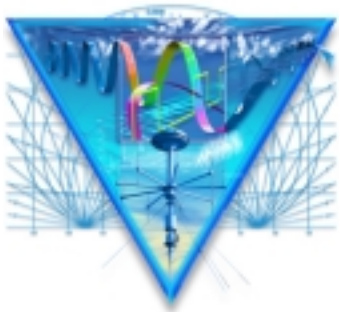
Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact



Bearing Measurement Mode

The history of the bearings and locations can be now displayed in R&S MapView.

Frequency 98,500,000 MHz

Step Width 100,000 kHz

History in MapView
Bearing 10 **Location** 10

Squelch Off dBµV/m

	DF Station	Coordinates	Control	Settings
1	Munich	011°21'48.0"E 48°17'13.0"N	Automatic	1 ...
2	Munich 2	011°34'01.0"E 48°21'20.0"N	Automatic	2 ...
3	Mobile	011°35'19.0"E 48°08'25.0"N	Automatic	3 ...
4	<None>	000°00'00.0"W 00°00'00.0"S		4 ...

Common Device Settings

120 kHz Auto LowNoise

FM 200,0 ms Peak Normal

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

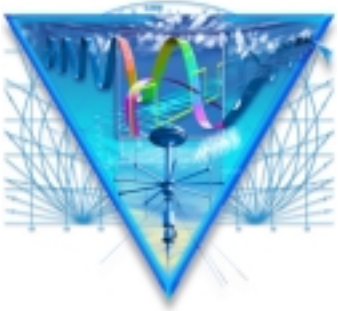
Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

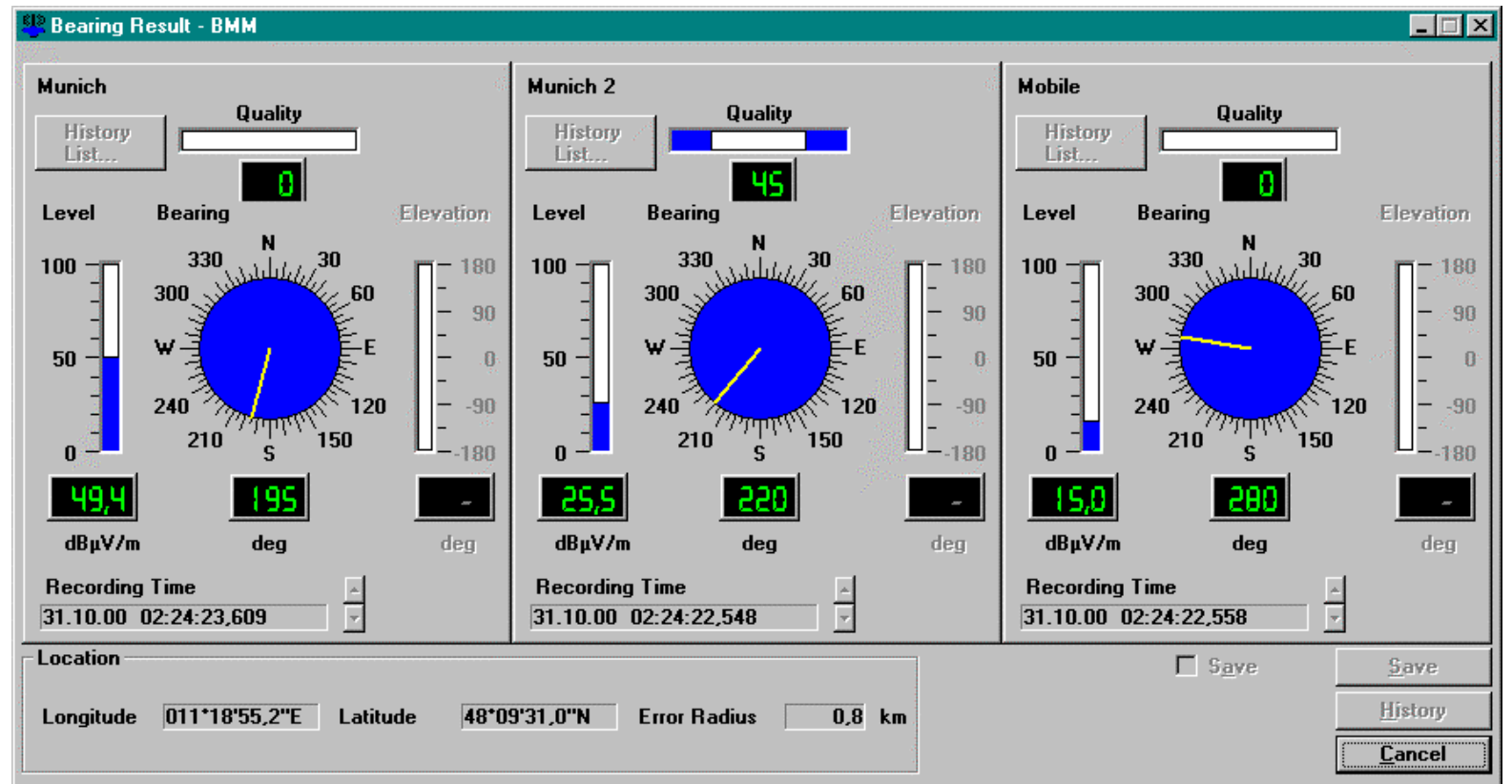
Update Information
V4.4 over V4.3

Contact



Bearing Measurement Mode

The history can be displayed in the compass roses in the Bearing Result dialog window.



Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

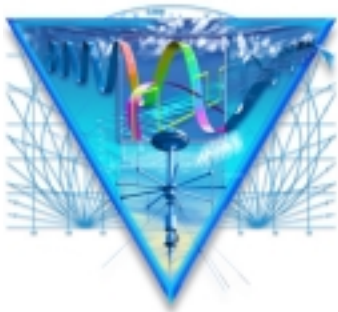
Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact



Bearing Measurement Mode

In a new Combine mode bearing results can be combined.

DF Station	Coordinates	Control	Settings
1 Munich	011°21'48.0"E 48°17'13.0"N	Automatic	1 ...
2 Munich 2	011°21'48.0"E 48°17'13.0"N	Automatic	2 ...
3 Mobile	011°35'19.0"E 48°08'25.0"N	Automatic	3 ...
4 <None>	000°00'00.0"W 00°00'00.0"S		4 ...

Combine	Frequency	Level Threshold	Quality Threshold
Bearing Result 1... BMM	88,000,000 MHz	0,0 dBµV/m	0
Bearing Result 2... BMM			
Bearing Result 3... <None>			
Bearing Result 4... <None>			

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

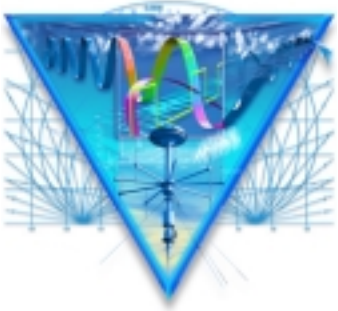
Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact



Device Driver R&S ESxN

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

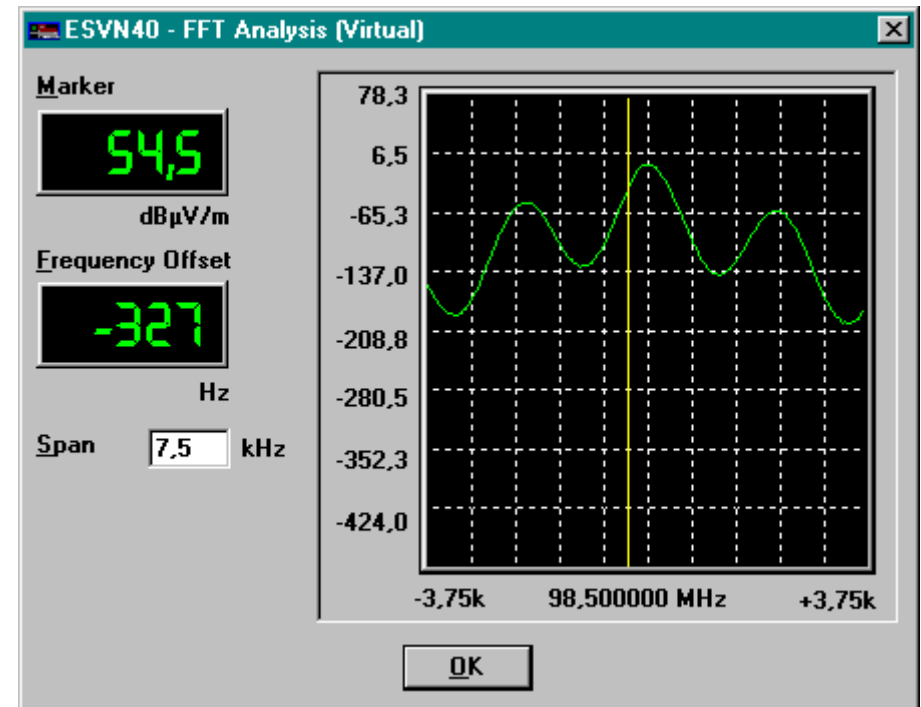
Update Information
V4.2 over V4.1

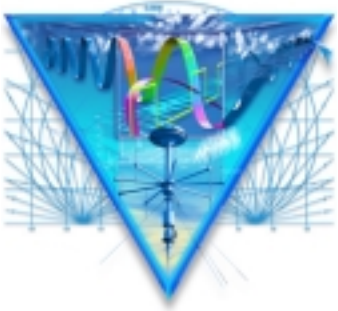
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

With the new FFT analysis in the R&S ESxN device driver two or more signals within the IF bandwidth can be differentiated.





Device Driver R&S GPS

The Potsdam Format is now supported within the R&S GPS device driver.

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

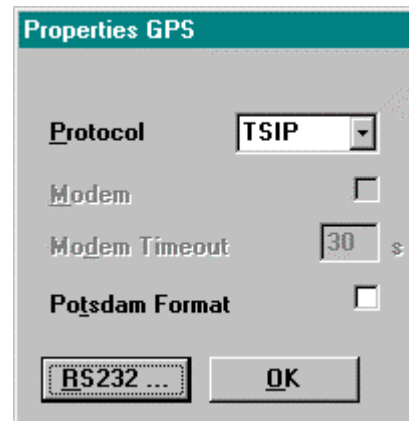
Update Information
V4.1 over V4.0

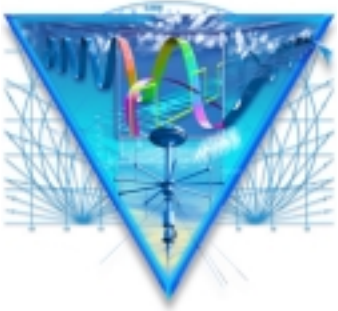
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact





Device Driver R&S DMC01

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

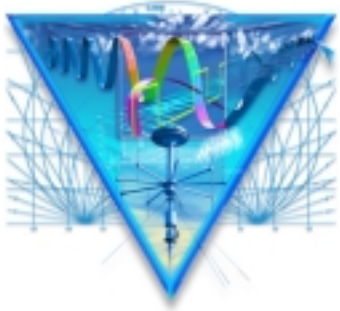
Update Information
V4.4 over V4.3

Contact

In the R&S DMC01 device driver the maximum decode time can be set.

Program	ENERGY
PI Code	101A
Traffic Program	On
Traffic Announcement	On
Program Type	Science
Music Speech ID	Music
Sound ID	-
Radio Text	KLASSIK RADIO AUS HAMBURG CODERSTANDORT MUENCHEN *
<input type="checkbox"/> Maximum Decode Time	0,5 s

OK



Device Driver R&S EB200 / Device Driver R&S ESMB

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

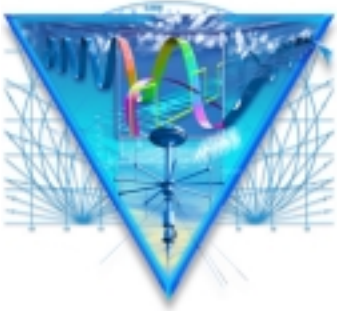
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

The following features are new in the device drivers of R&S EB200 and R&S ESMB:

- ◆ The marker frequency in the Digi Scan, Scan and Frequency List Scan modes can be transferred to the Single Measurement mode
- ◆ The status of the device is displayed in all modes
- ◆ The differential display in the digi scan graphic is possible
- ◆ The user defined settings of a graphic opened from a device driver remains until the session is finished
- ◆ A frequency list can be created via shortcut (Ctrl+G) from the digi scan graphic
- ◆ In the R&S EB200 device driver the meas. time can be set
- ◆ In the R&S ESMB device driver the antenna input can be selected



More Benefits at a Glance

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6


Update Information
V4.1 over V4.0

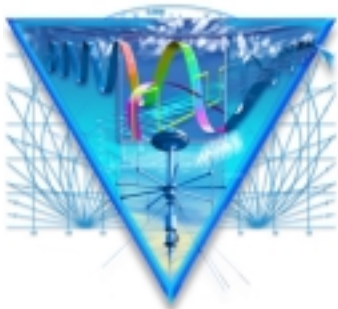
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

- ◆ R&S FSEx device driver can now be controlled via a LAN interface
- ◆ A symbol  indicates that at least one device driver is switched to virtual mode
- ◆ For slow networks like GSM networks the transport packet size can be reduced so that R&S ArgusMon does not block the system
- ◆ A frequency list can be created via shortcut (Ctrl+G) from all graphics



Frequency Channel Occupancy

In R&S ArgusEval the frequency channel occupancy data can be exported in CSV format according to an draft ITU recommendation. This is in the new IMEX option of R&S ArgusEval.

```
data.csv - Editor
Datei Bearbeiten Suchen ?
'Munich 011°21'48E 48°17'13N',15,0.037
2001-02-17,98.500000,60,38,15,7,15,15,0,8,30,23,13,22,12,15,15,12,45,33,7,2,0,5,7,7,7,12,45,42,32,12,37,,,,,
```

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

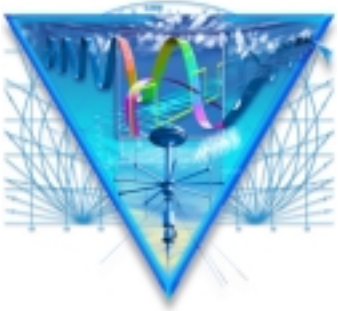
Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact



Frequency Band Occupancy

Frequency Channel Occupancy

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

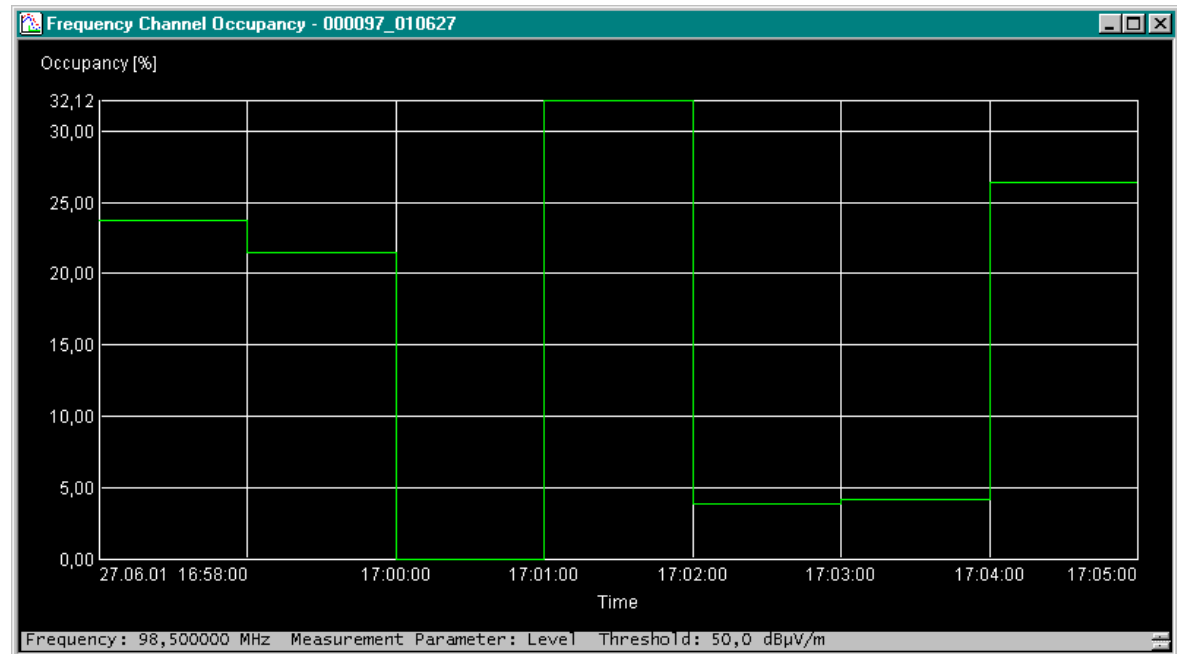
Update Information
V4.2 over V4.1

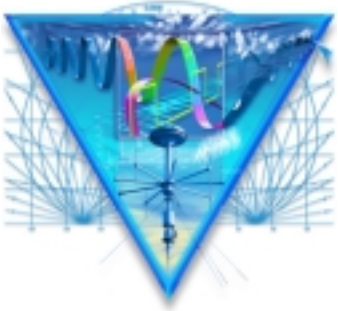
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

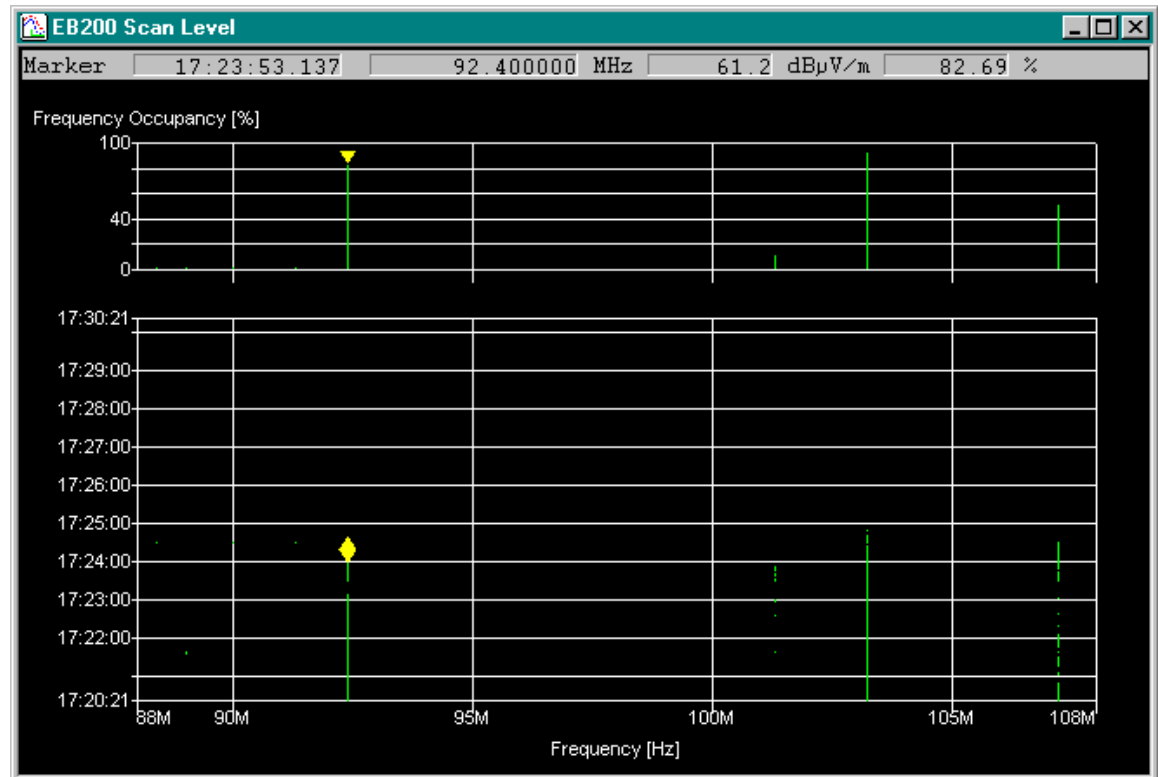
It is possible to calculate the frequency band occupancy and the frequency channel occupancy from the alarm messages in the log files. That means that it is not necessary any more to save the measurement results, the alarm messages are enough. That saves a lot of disk space.





Frequency Occupancy Diagram

In the Frequency Occupancy Diagram of the 2D Waterfall Diagram the marker is visible too. In the status line the value of the frequency occupancy is visible.



Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

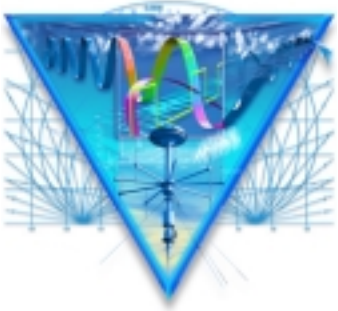
Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

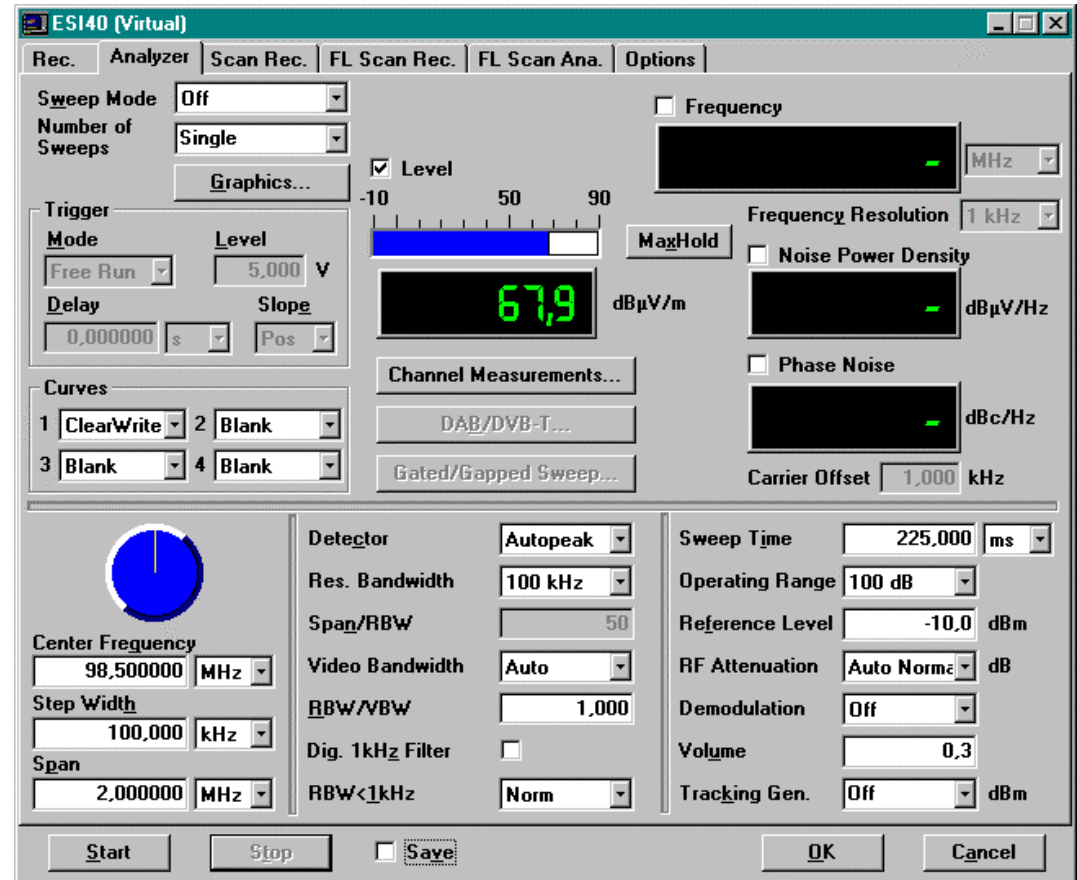
Update Information
V4.4 over V4.3

Contact



Device Driver R&S ESI

A new device driver is available for R&S ESI7, R&S ESI26 and R&S ESI40.



Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

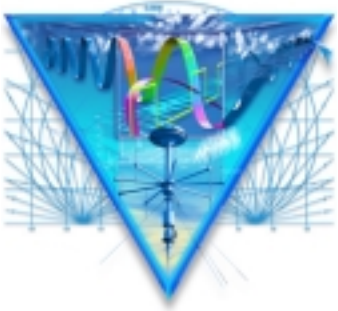
Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact



Device Driver R&S FSP

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

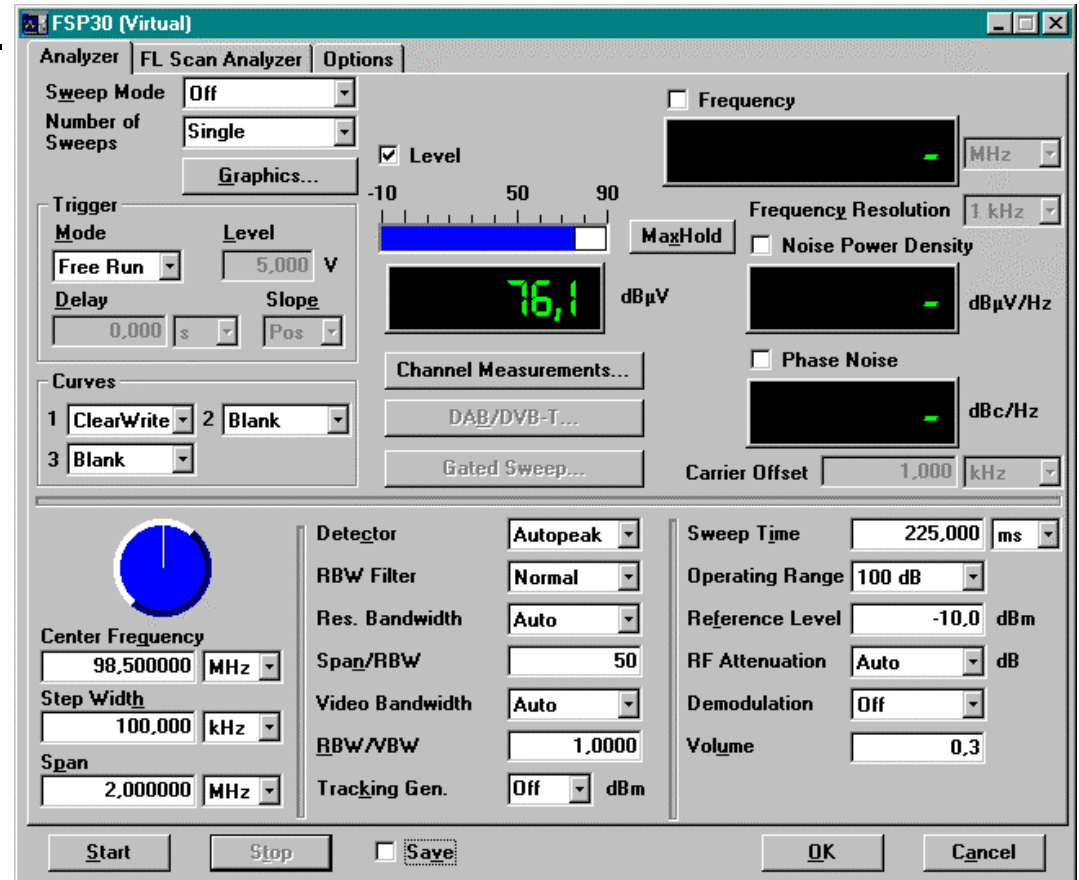
Update Information
V4.2 over V4.1

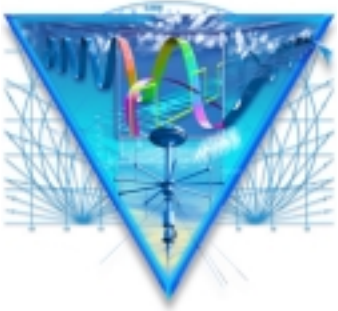
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

A new device driver is available for R&S FSP3, R&S FSP7, R&S FSP13 and R&S FSP30.





Device Driver SUPER-ANT

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

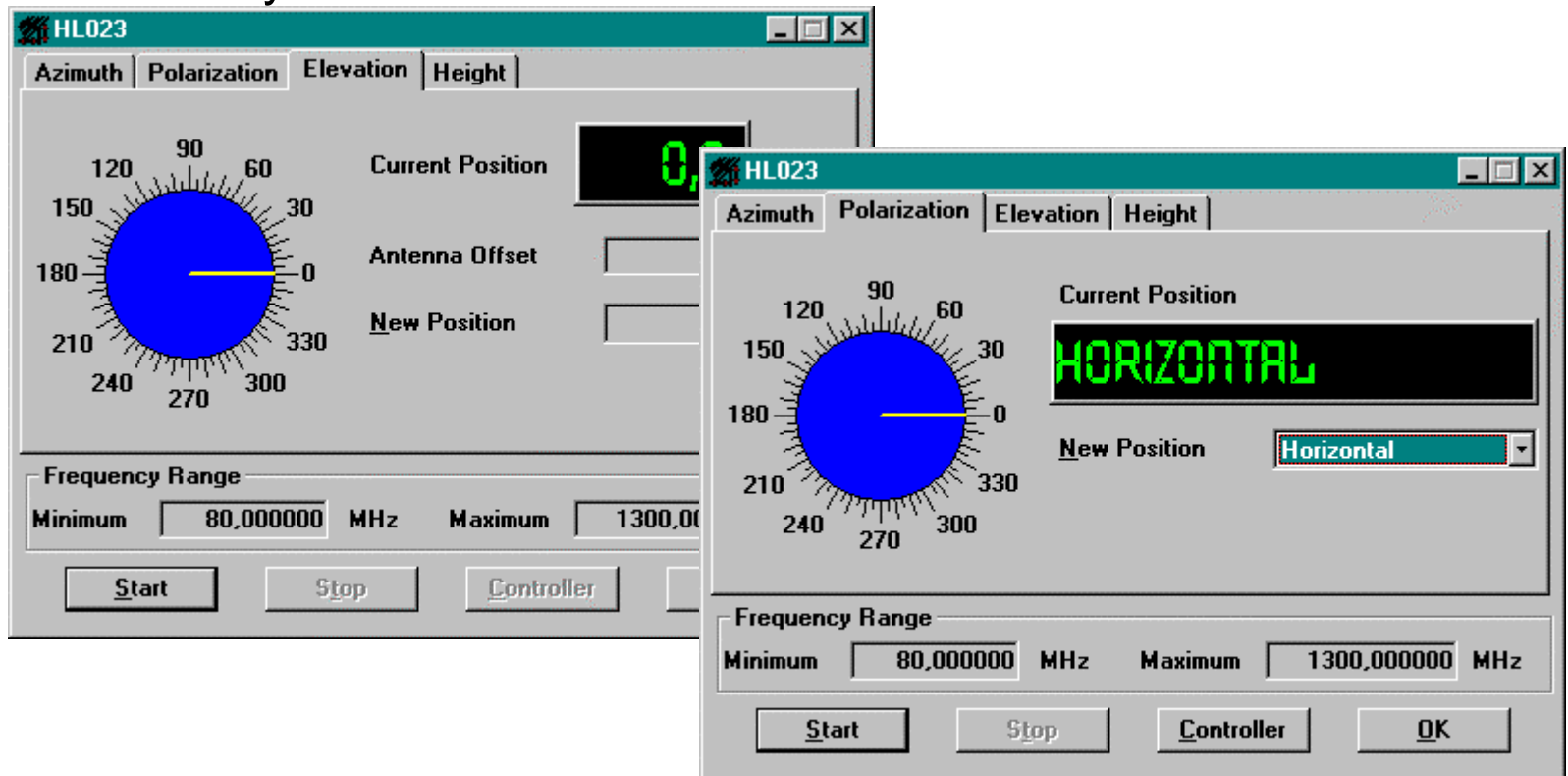
Update Information
V4.2 over V4.1

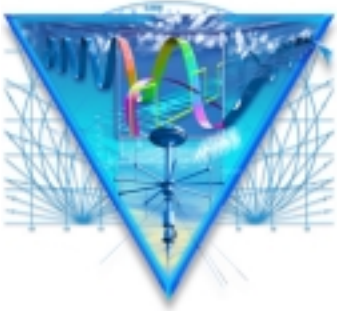
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

The polarization and elevation rosettes are displayed now in the standard way.





Device Driver R&S EB200 / Device Driver R&S ESMB

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

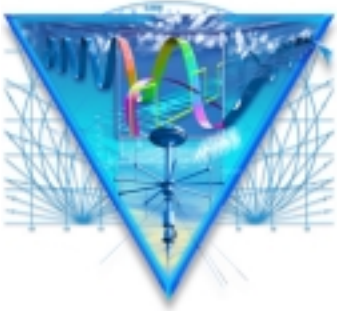
The remote control in the R&S EB200 and R&S ESMB device drivers is now a lot faster especially with the Digi Scan:

One example:

Digi Scan: 88 - 108 MHz with 120 kHz IF bandwidth.

The R&S ESMB is connected via LAN interface to the PC.

	<u>V4.2</u>	<u>Older versions</u>
Locally controlled (1 PC):	24 scans/s	24 scans/s
Remotely controlled via LAN (10 Mbit/s):	24 scans/s	1 scan/s
Remotely controlled via 28.8 kbit/s:	2 scans/s	1 scan/s
Remotely controlled via 64 kbit/s:	4.4 scans/s	1 scan/s



More Benefits at a Glance

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6


Update Information
V4.1 over V4.0

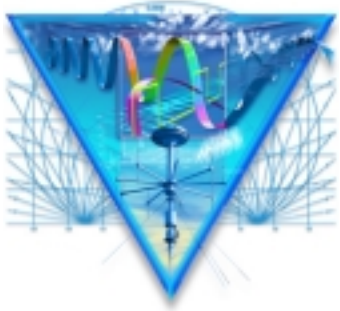
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

- ◆ The R&S ARGUS software runs now additionally under Windows 2000 Professional
- ◆ A symbol  indicates that an antenna is moving.
- ◆ In the cartesian, the 3D and 2D waterfall diagram the absolute or the differential presentation can be selected. Differential presentation means the difference between the measured results and one reference trace are displayed. This is implemented in R&S ArgusMon for online presentations and in R&S ArgusEval for offline presentations.
- ◆ The services can be selected from a list. It is not necessary any more to memorize the services
- ◆ As a remote control utility Microsoft NetMeeting can be used. pcAnywhere is not necessary any more to buy



More Benefits at a Glance

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

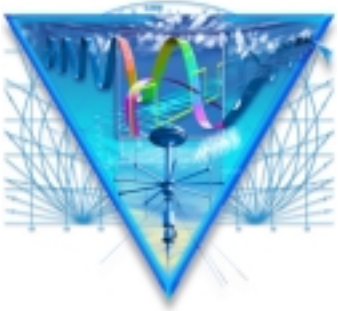
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

- ◆ The rotatable pictures in some icons can be stopped by clicking the right mouse button
- ◆ In R&S ArgusMon frequency lists can be imported now from html, MS Access and text files in addition to dBase and Excel files. This formats are also available for the export of measurement results, bearing results and transmitter data.



Interactive Measurement Mode

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

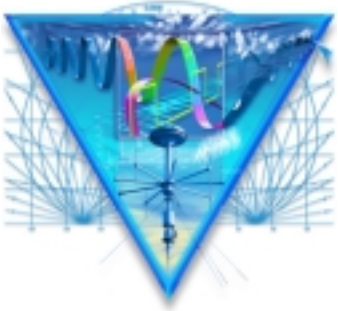
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

A coverage measurement is available as fifth mode in the interactive measurement mode. During the coverage measurement the measurement can be performed with either one frequency or with one frequency list. The maximum speed is 100 ms per measurement. The results can be displayed in R&S MapView.



Bearing Measurement Mode

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

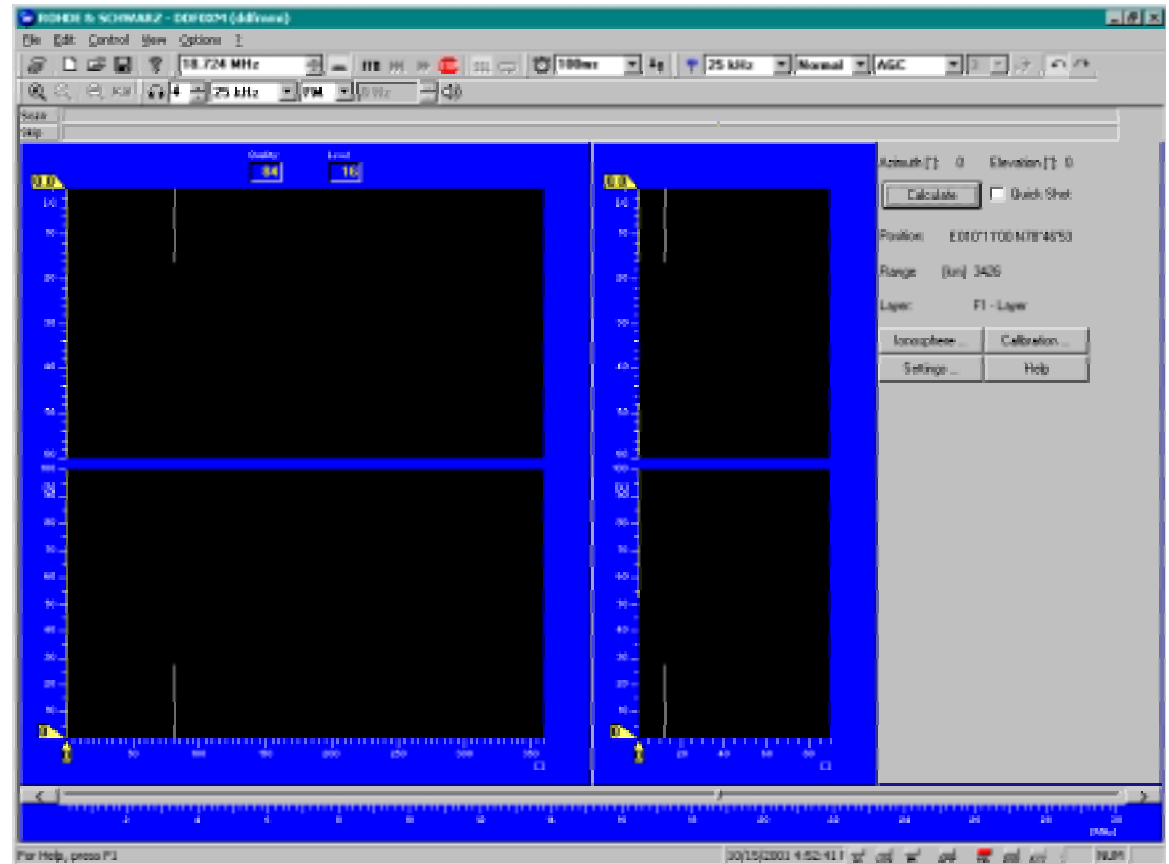
Update Information
V4.2 over V4.1

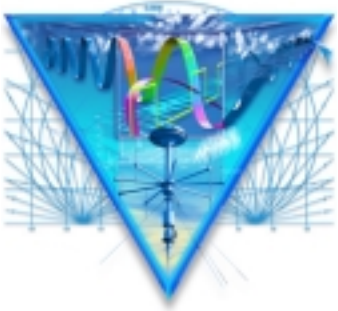
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

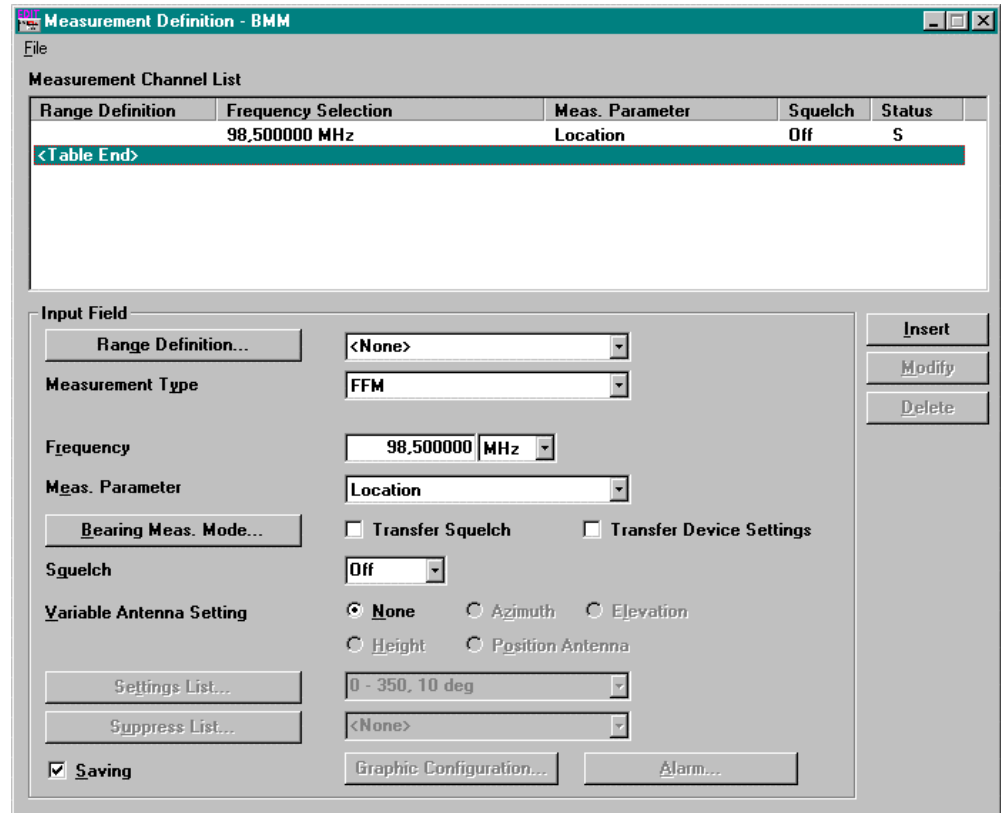
In the BMM the Single Station Location (SSL) is implemented. After verifying the value in the DDFMMI the result can be transferred to R&S ArgusMon via the Calculate button in the DDFMMI.





Automatic Measurement Mode

If the measurement parameter Location or FL Scan Location is selected in the measurement definition one direction finder can be integrated instead of two or more. In case the direction finder supports SSL the result will be location. In the other case the result will be bearing, quality and level.



Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

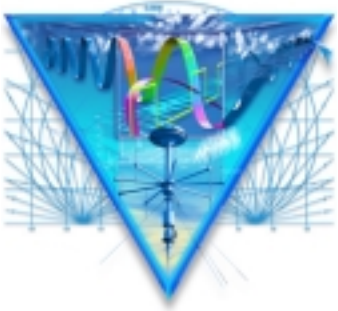
Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact



Select Meas. Unit dialog window

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

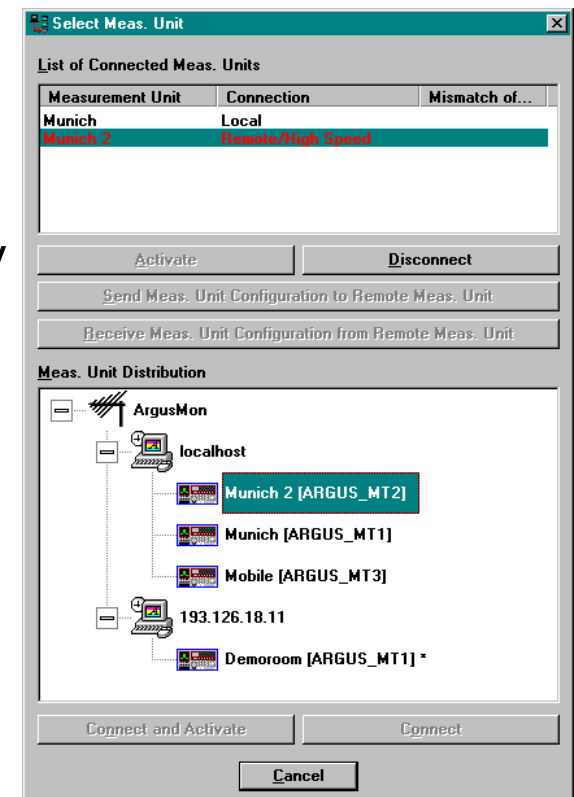
Update Information
V4.3 over V4.2

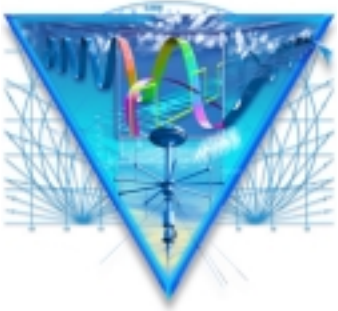
Update Information
V4.4 over V4.3

Contact

The dialog window Select Meas. Unit is now easier to use:

1. A double-click in the Meas. Unit Distribution list connects and activates the selected measurement unit
2. A double-click in the List of Connected Meas. Units activates the selected meas. unit
3. The Send... and Receive... buttons are only active when they are needed
4. If the configurations in the control and the meas. unit are mismatching this dialog window will open automatically
5. The speed type of the connection are listed in the List of Connected Meas. Units





More Benefits at a Glance

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

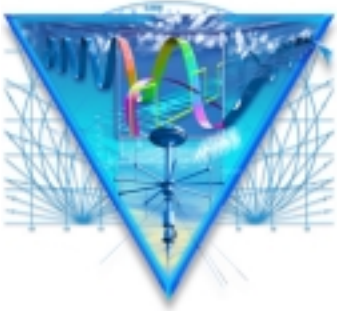
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

- ◆ R&S ArgusMon can be closed at any time (even during a measurement)
- ◆ The help is now integrated as pdf-file. So the user can print out the reference manual very easily
- ◆ The menu command Import Transmitter List... in the file menu is now active for the software option IMEX (it was in software option FTMM).
- ◆ The parameter Apply Marker Frequency in the IMM is set always to On. This parameter is not visible anymore.
- ◆ If the measurement parameter Location or FL Scan Location is selected in the measurement definition it is not necessary anymore to select a range definition.
- ◆ Renaming in the graphical presentation: Absolute -> Normal, Relative -> Differential



More Benefits at a Glance

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

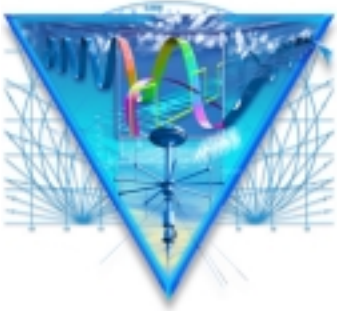
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

- ◆ The parameter Modem is renamed to High Speed. The functionality is inverted.
- ◆ Renaming: Single Measurement -> Fixed Frequency Mode
- ◆ If an update is done for R&S ArgusMon and R&S ArgusEval it is not necessary anymore to stop the service of Velocis. Just in case Velocis should be updated the service must be stopped.



Device Driver R&S DDF1xx

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

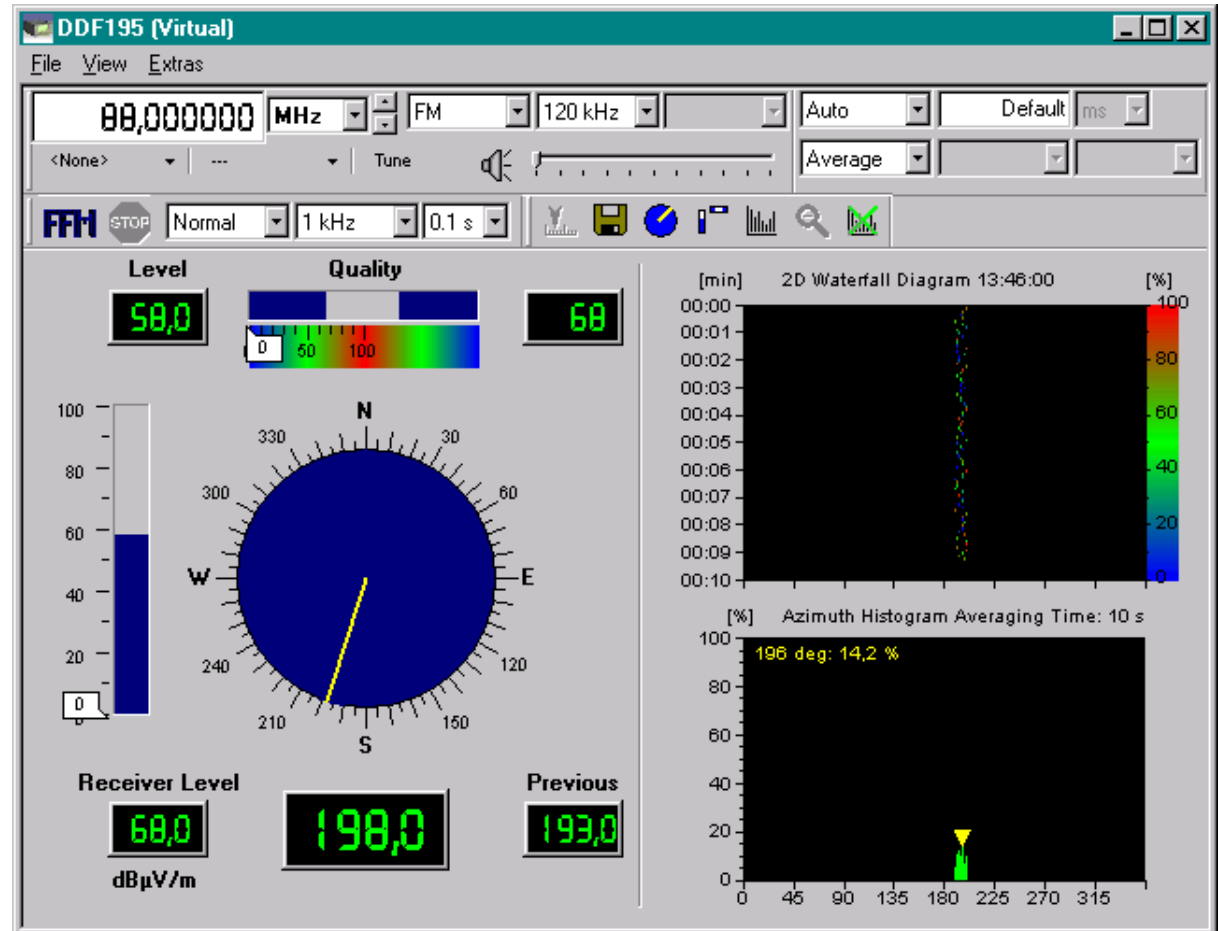
Update Information
V4.2 over V4.1

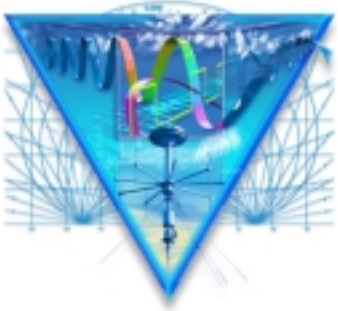
Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

- ◆ The device driver is renamed to R&S DDF1xx
- ◆ R&S DDF1xx can control the Digital Direction Finder R&S DDF190 and R&S DDF195
- ◆ The design is totally revised





Device Driver R&S FSE_x

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0


Update Information
V4.2 over V4.1

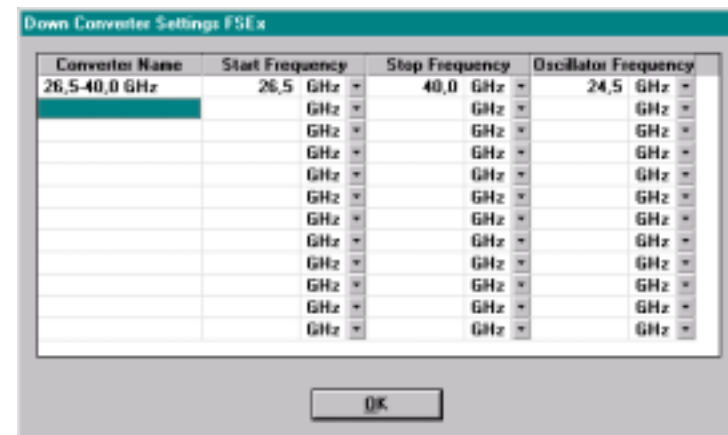
Update Information
V4.3 over V4.2

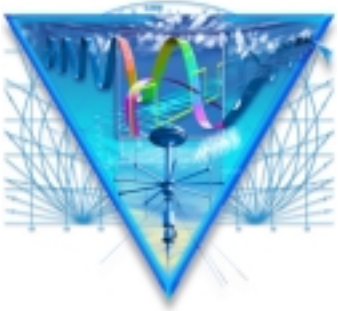
Update Information
V4.4 over V4.3

Contact

The following features are new in the R&S FSE_x device driver:

- ◆ one or more down converter can be integrated up to 100 GHz
- ◆ the R&S ESI is renamed to R&S ESIB
- ◆ the two RF inputs of the R&S FSE_x is now automatically selected with the system path (it is not necessary any more to select the RF input in the device driver additionally)
- ◆ the switched RF input is displayed in the device driver as a symbol: 





Device Driver R&S ESMB

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact

The following features are new in the R&S ESMB device driver:

- ◆ the user can select in the properties if the R&S ESMB uses both inputs or just one (it is not necessary any more to select the RF input in the device driver additionally)
- ◆ in the Digi-Scan the squelch will be displayed in the graphic in the transducer unit, e.g. dB μ V/m

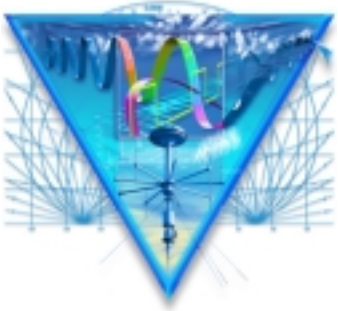


Table Wizard

With the new table wizard frequency lists, settings lists, channel lists, transducer and corrections can be created in a easy way. The transducer of the antennas are predefined for the most R&S antennas. The correction values for the cables are predefined for the most used cables in monitoring systems.

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

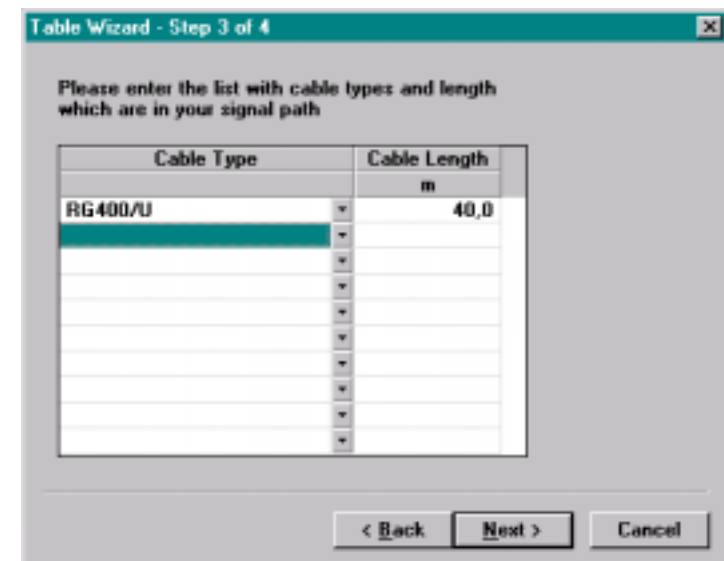
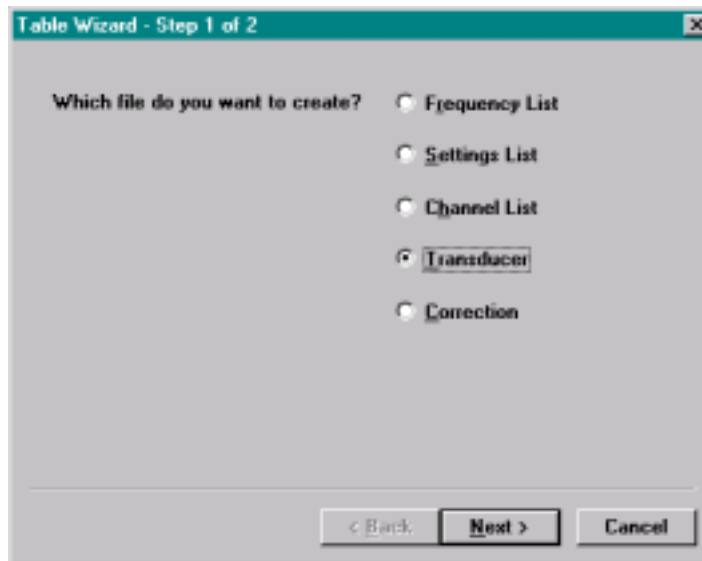
Update Information
V4.1 over V4.0

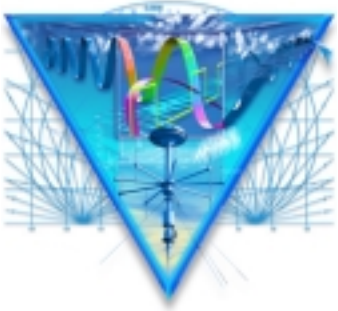
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

Contact





More Benefits at a Glance

Update Information
V3.6 over V2.x

Update Information
V4.0 over V3.6

Update Information
V4.1 over V4.0

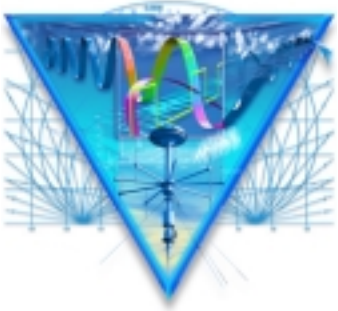
Update Information
V4.2 over V4.1

Update Information
V4.3 over V4.2

Update Information
V4.4 over V4.3

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- ◆ The printing to RTF documents is now in the IMEX option available
- ◆ The Device Driver R&S RSU supports the new R&S PSHH-II device
- ◆ The new Device Driver R&S RSU_T supports switch units which are connected via a TTL card
- ◆ The Device Driver R&S GPS supports the new R&S GPS129 device
- ◆ The symbols of the transmitters in R&S MapView are changed
- ◆ The DDE interface of R&S ArgusMon and R&S ArgusEval is not available any more because Microsoft switches



Contact

Update Information
V3.6 over V2.x

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V4.0 over V3.6

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V4.1 over V4.0

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V4.2 over V4.1

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