



an elegant program without the need for an EasyInterface, just connect the low-frequency output of the receiver to the LINE input of your sound card. I finally bought a full licence for use of this program [27]. This program can be, however, only be used on a powerful PC working under Windows 95/W98/W2000/W-NT. The following paragraph describes reception of an image and its decoding by JVComm32 version 1.0 or 1.1.

In 1998 the German author of the JV-FAX, Eberhard Backeshoff, DK8JV (e-mail address: feedback@jvcomm.de and homepage at <http://www.jvcomm.de/>) wrote JVComm32 for decoding of WE-FAX, FAKSIMILE SSTV and other modern modes, he continues to enhance it and extend it. The program requires a common 16-bit sound cards with it's LINE input connected to the low-frequency output of the receiver. A disadvantage of this program is that it requires at least a 75MHz Pentium PC with 16MB of memory, operating system Windows 95, W98 or Windows NT 4.0 and high quality graphic card (High or True Colour) with resolution at least 800 x 600 pixels. JVComm32 on the other hand can work at the background and allows simultaneous processing of received images (viewing, cropping, sending to your friends by e-mail, etc.). The author, nevertheless, recommends for multitasking at least 90MHz Pentium and 32 MB of memory as a minimum.

Connecting the receiver to the input of computer sound card is very easy. From connector LINESB of the receiver connect the low-frequency signal to the connector LineIn or microphone input of the sound card. Fig15 shows JVComm32 in action, when a map is received in background for, the pictures received from the satellite NOAA are loaded from the folder, Picture files, to the desktop:

9.2 Description of software

Configuration of the program for recep-

tion of satellites NOAA or METEOSAT is very simple. Set the mode to NOAA or METEOR, and the Interface type to Sound Card. The help with this program is also very user friendly, you will find all the details of setting and operation.

10.

Kits

The author has produced kits for hams for several years and therefore knows very well that successful completion of a project is often hindered by tiny problem. No matter how good a verbal description is, it's information capability is always much lower than visual and/or audio information. That is why kits are supplied with a CD containing complete information. Kits contain a set of printed circuit boards and parts. Fully assembled and tuned modules are also available for a slightly higher price.

You can get more detailed information at the following contacts:

emgo@vuhz.cz or emgo@iol.cz or <http://www.emgola.cz/>

11.

Literature

[1] Ing. Radek Václavík OK2XDX, Pøjímaè and interfejs WXSAT (pøíjem snímkù z orbitálních meteosatelitù) [Receiver and interface WXSAT (receipt of images from orbital meteorological satellites)]. A-Radio Praktická elektronika, series of articles in issues Nos. 2-6/1997.

[2] Günter Borchert DF5FC, Funkamateùr 2/1995, str. 153 - 156 Der Wetterfrosch - ein 137 MHz Satellitenempfänger, continuation in Funkamateùr 3/1995, p. 274