SSTV IN MFSK16 EASY WITH MULTIPSK (4.7)

Introduction

In this document it will be found 2 forms (snapshots of Multipsk screen with indications to the « how to operate »):

- 1) How to transmit a picture,
- 2) How to receive a picture.

About the help in Multipsk:

- * the help chapter about the SSTV in MFSK16 is called « Description of the SSTV commands in MFSK16 mode »,
- * for the contextual help, click on the right button of the mouse, with the focus over the mode button "Send color picture", for example (Multipsk 4.7),
- * use also the button hints (wait a fraction of second over a button).

Compatibility with other softwares proposing SSTV in MFSK16

The main difference is the RS ID which exists only, for instance, in Multipsk (among these softwares).

So if the picture is sent without RS ID, you might first tune the transmission (MFSK16 starts with a vertical trace which must correspond to the left blue bar on the waterfall).

Main Specifications of SSTV in Multipsk:

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Description:

It is a SSTV mode without transmission of a synchronization ray, in color or in black and white mode, where the picture may be transmitted among MFSK16 text.

The picture format is not fixed as in classical SSTV but variable (limited to small pictures). Multipsk proposes to use the standard "320x256" to take advantage of the SSTV "workshop" and the stored SSTV pictures.

The band of frequencies used is 234,375 Hz (15 x 15,625 Hz), which is the width between extreme peaks of a MFSK16 transmission. The duration of a pixel is exactly 1 ms. In color mode, the colors are transmitted in the following order: Red, Green, Blue. In black and white mode, the black color corresponds to the lower frequency and the white color to the higher frequency.

To be recognized, the picture must be MFSK16 prefixed by:

- * "Pic:320x256C;" for example for a color picture of 320x256 dimension whose transmission will last 320x256x3x0,001=246 sec,
- * "Pic:320x256;" for example for a black and white picture of 320x256 dimension whose transmission will last 320x256x1x0,001=82 sec.



