STABILOCK 4031 4032

POCSAG FFSK

Software Option 897 081

Operating Instructions

31_pocsf Doc. Version: 9401-260-A

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Supplement to operating manual; file under Chapter 10

10

Function test

Entries

RF Frequency	Input field for carrier frequency.
RF Level	RF output level. Select dimension (mV/µV, dBµ, dBm) and set Level/50 Ω or Level/EMF on RX mask.
CALL NO.	Input field for pager calling number.
PRAEAMBLE	Input field for number of preamble bits (The preamble is sent out before the actual message).
FUNCTION	Selection of "function". (acceptable input values: 0 to 3).
NUMERIC	Scroll field to select numerical messages: Numerical message: Scrollvariable = X. Alphanumerical message: Scrollvariable = Space.
ABCDEF....	First of the three message-input fields located at the lower part of the screen. Each one can take up to 40 characters. Upon opening one of the input fields (for instance with [ENTER]) text can be entered the same way using the soft-keys as described in chapter 7, paragraph "Naming Files". Before opening another one of the three input fields, the actual input field has to be closed by [ENTER].

Test mask

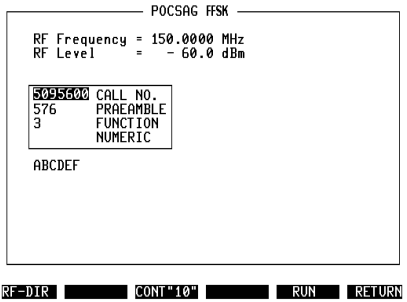


Fig. 10.1: Test mask.

Meaning of the softkeys

(RF-DIR) Alternative function RF. This permits, like in the basic masks, connection on the RF or RF DIRECT input.

(CONT"10") Sends out continuously a 1-0 sequence (interruption by (STOP)).

(RUN) Sends out the entered message.

(RETURN) Leads back to OPTION CARD mask.

Steps to run the test procedure

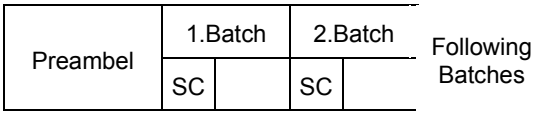
1. Enter test parameters.
2. Input message (max. 120 characters).
3. (RUN)

System specifications

POCSAG = Post Office Code Standardisation Advisory Group

Carrier-frequency range	70-cm/2-m-band
Channel spacing	20 kHz
Deviation	2,8 kHz
Data rate	1200 bit/s
Data modulation	FFSK (0 = 1800 Hz, 1 = 1200 Hz)

Data format



SC = Synchronisation code word

Preambel

10101010101010.....10101010101010

The preambel consists of at least 576 bits (Length of 18 code words); The preambel is to ensure the synchronisation of the pager.

Signaling according to "Standard Message Formats for Digital Radio Paging"

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Lifeline

The chronological lifeline tells you what modifications have been made to the software (SW) and the operating instructions. After a software update the lifeline helps you to find out quickly about all major changes (see code) in the updated operating instructions that are supplied.

Code: C = Correction, IN = Important Note, NF = New Feature

SW	Doc. Version	Δ pages	Code	Changes
2.60	2.6-0	all	-	First manual with a new outfit and a lifeline.
	9401-260-A	all	NF	Layout changed to small pages.