

TRACE PRESET
FOR
VK-S454 SERIES

[REV. 2.0]

This manual applies following models:

<NTSC> VK-S454

<PAL> VK-S454E

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PART ONE

• SPECIFICATION

1. Communication protocol

Communication between the microcomputer of the camera and the PC is available by using the RS-232C protocol. The microcomputer receives each control command given by the PC and echoes it back to the PC.

2. Connect condition

Data length	8 bit
Stop bit	1 bit
Parity	even / non
Baudrate	4800 / 9600 bps

3. Communication data format

All communication data consist of eight or ten ASCII characters (8 bytes or 10 bytes).

The format of the communication data is shown in Fig.1.

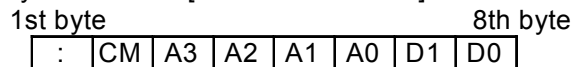
a) Normal command

Communication data start with the character ":"(colon).

b) Special command

Communication data start with the character "/"(slash).

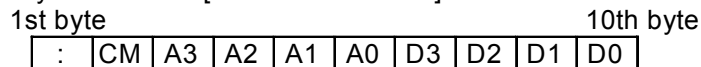
(a) 8 bytes format [Normal command]



CM Command as follows
 R :Read 1 byte data of micro-Com. RAM or EEPROM
 W :Write 1 byte data of micro-Com. RAM or EEPROM

A3-A0 Address data of micro-Com. RAM or EEPROM (write in hex. 0000-FFFF)
 D1-D0 Data of micro-Com. RAM or EEPROM (write in hex. 00-FF)

(b) 10 bytes format [Normal command]



CM Command as follows
 r :Read 2 bytes data of micro-Com. RAM or EEPROM
 w :Write 2 bytes data of micro-Com. RAM or EEPROM

A3-A0 Address data of micro-Com. RAM or EEPROM (write in hex. 0000-FFFF)
 D3-D0 Data of micro-Com. RAM or EEPROM (write in hex. 0000-FFFF)

(c) 8 bytes format [Special command]



CM Command as follows
 M : <Privacy mask> DEGREE WRITE command

D5-D0 Data of micro-Com. RAM or EEPROM (write in hex. 000000-FFFFFF)

Fig. 1 Communication data format

4. Command timing
- a) Timing table program AE command
[Please attached Fig. 2]

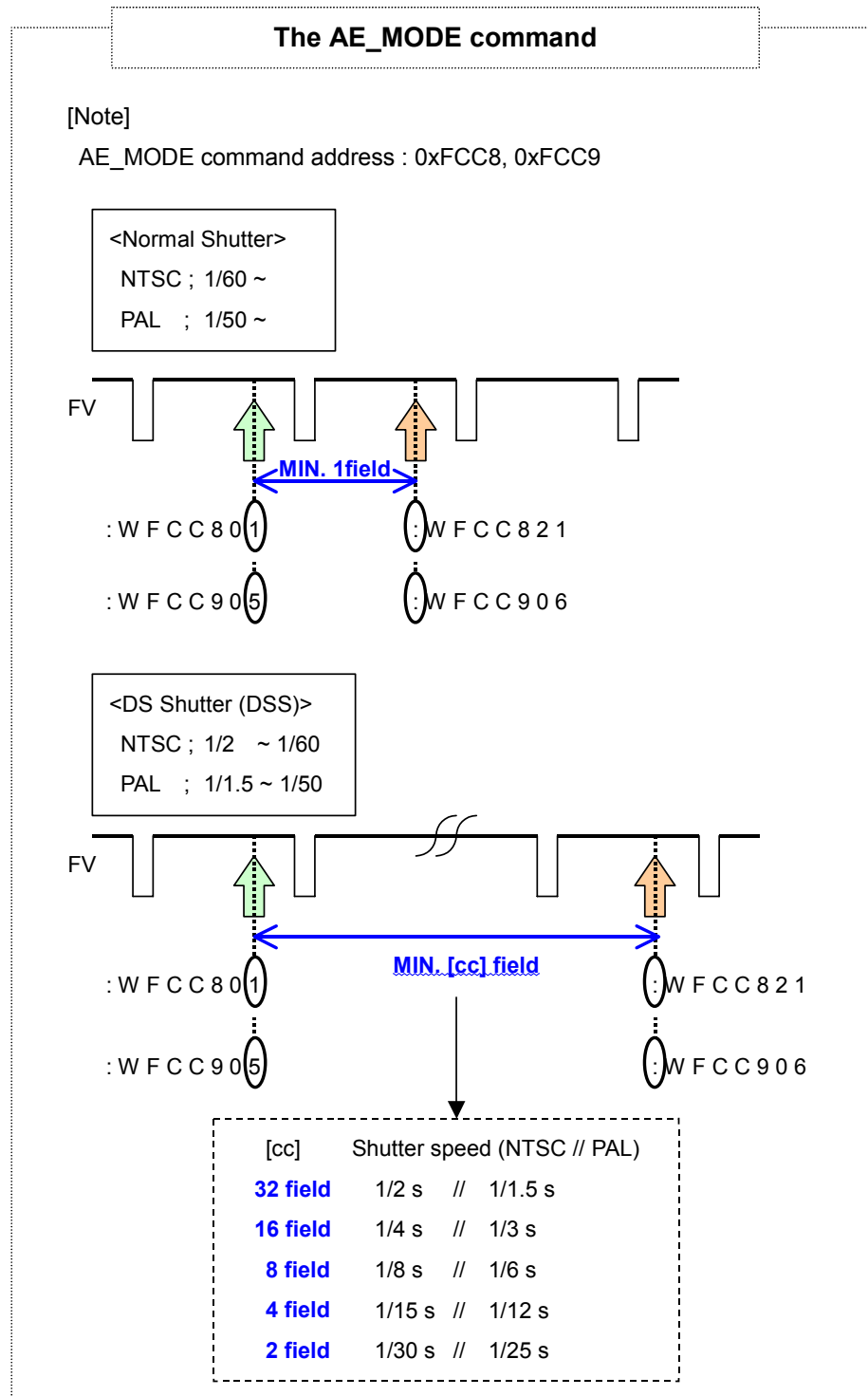


Fig. 2 Changed to AE_MODE timing

- b) Timing table after ZOOM commands (DSS mode only)
[Please attached Fig. 3]

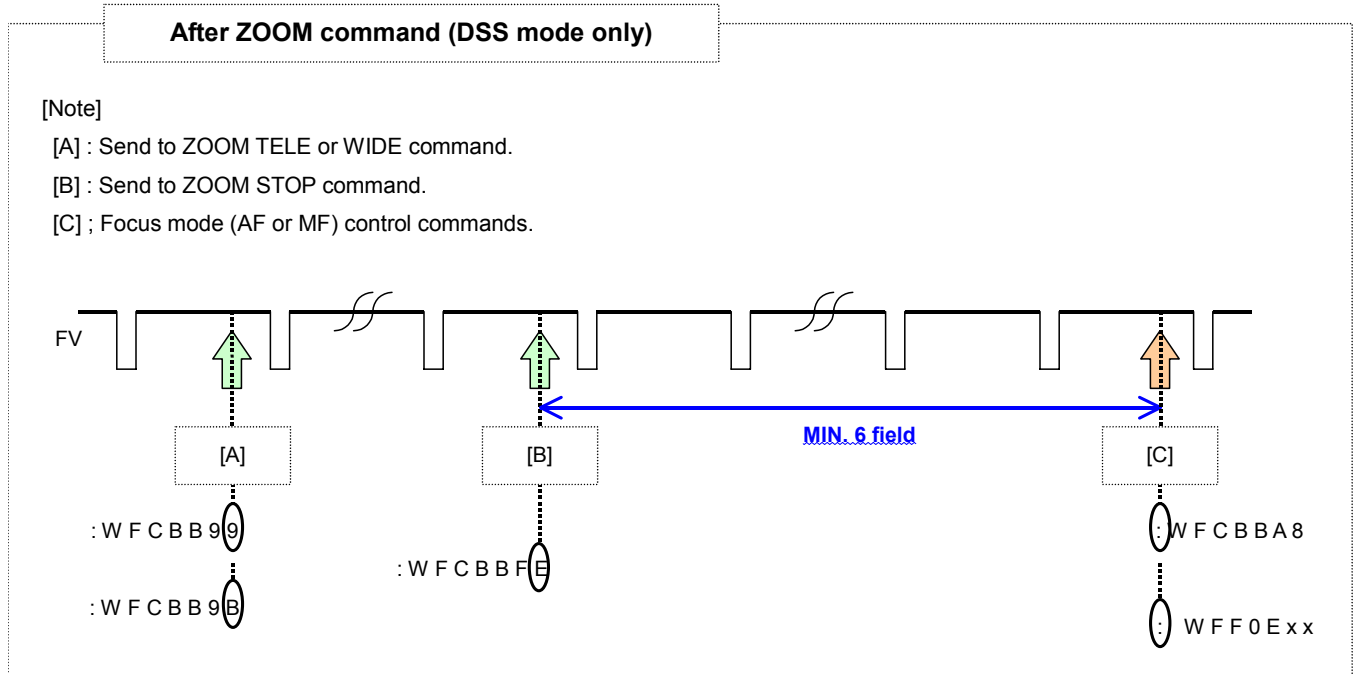
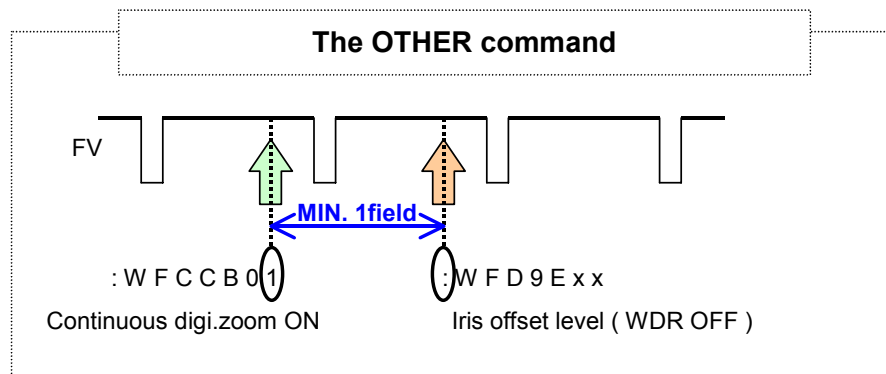


Fig. 3 After ZOOM commands timing

- c) Timing table other commands
[Please attached Fig. 4]

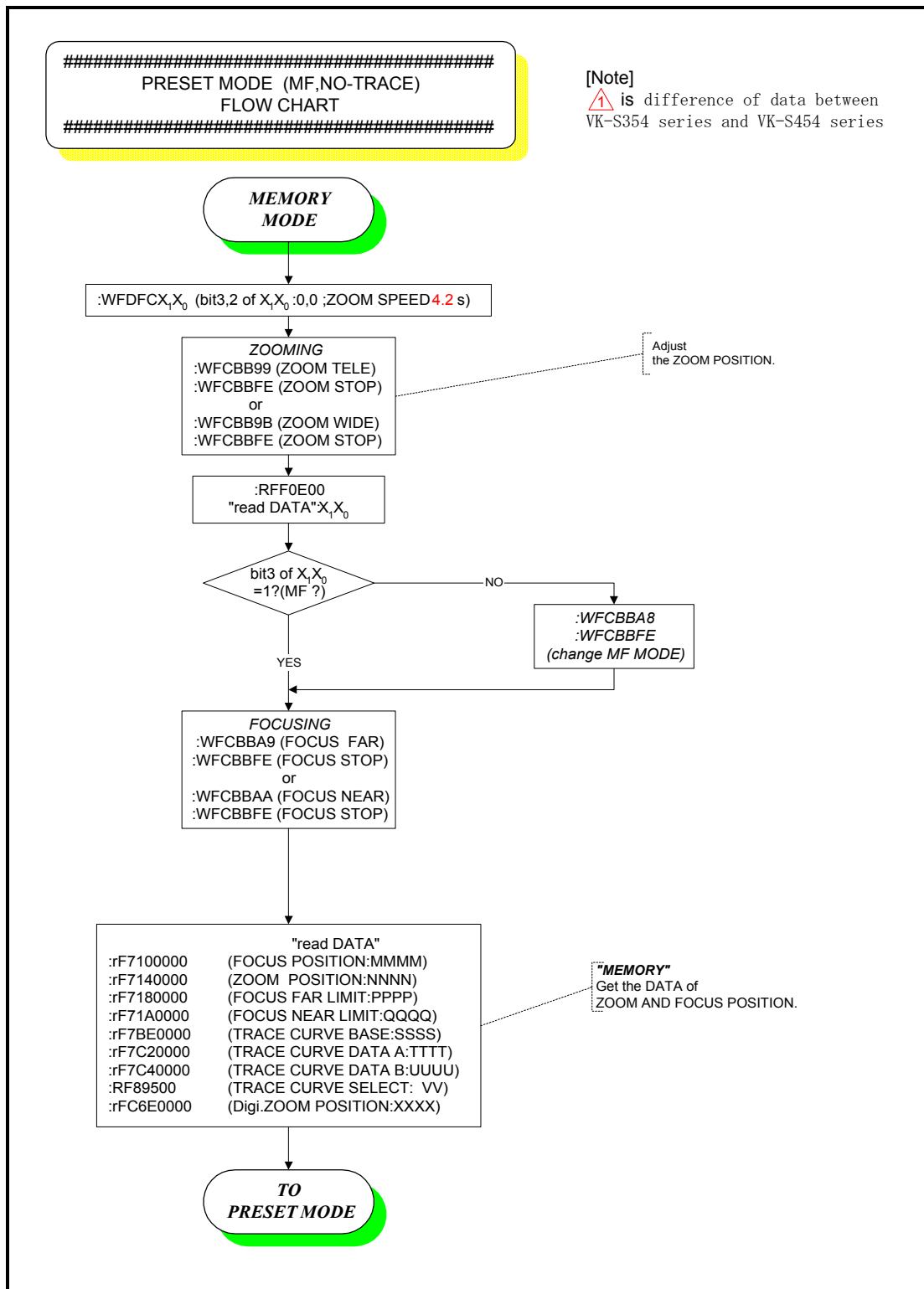


PART
TWO

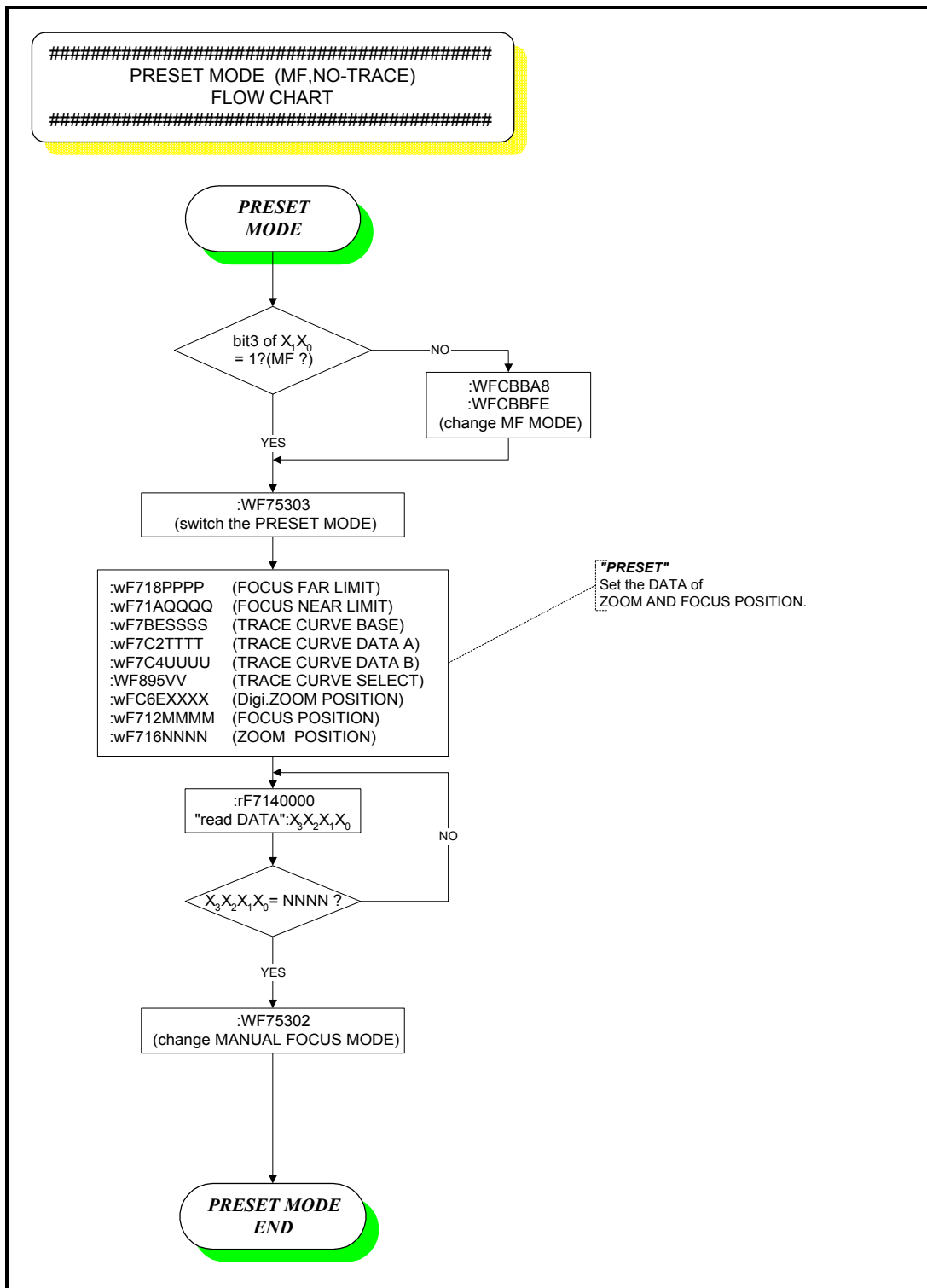
- **<TYPE-1>** NO-TRACE PRESET FLOW CHART

[ZOOM SPEED : 1.6 s]

1. MEMORY MODE



2. PRESET MODE

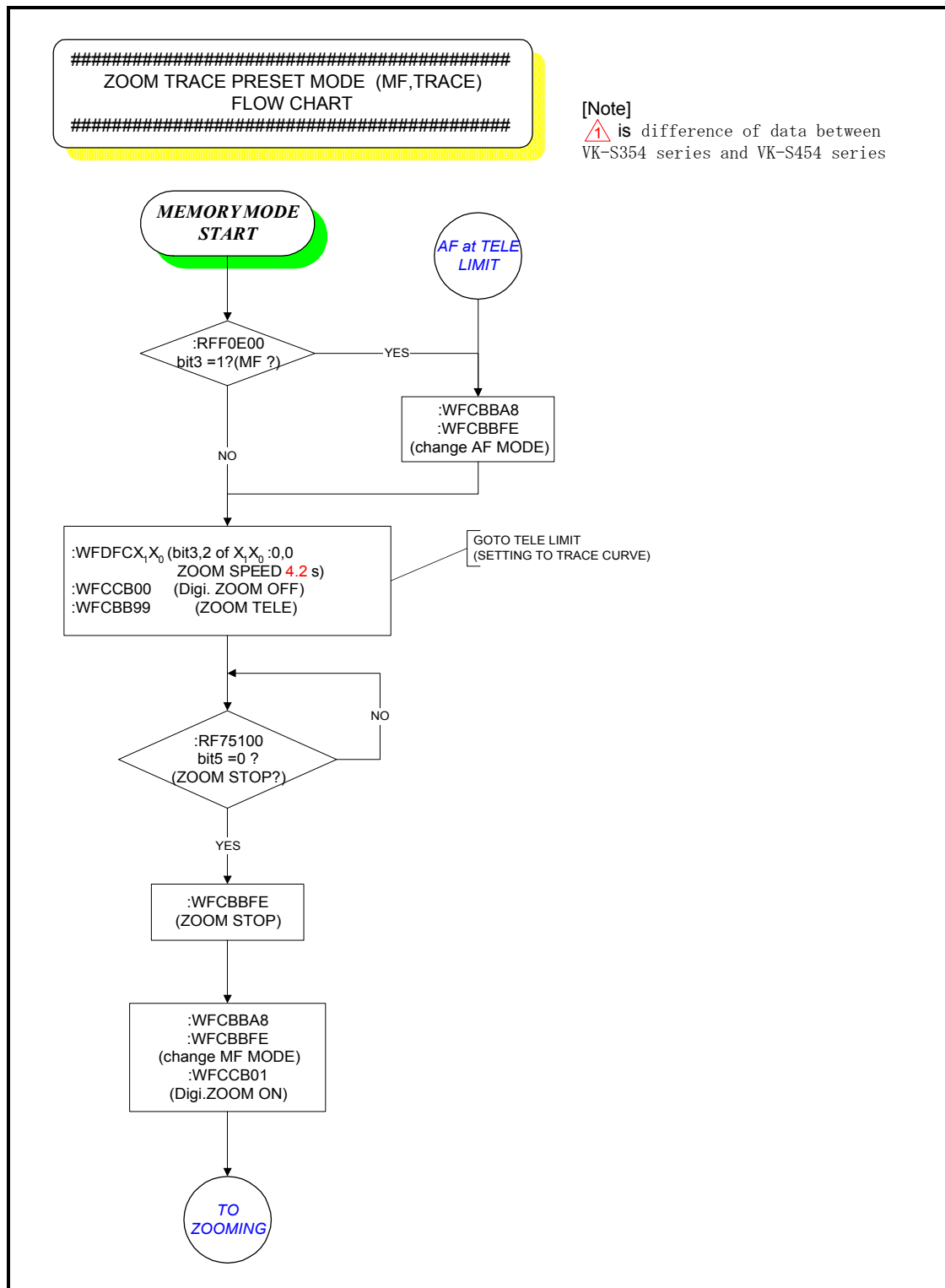


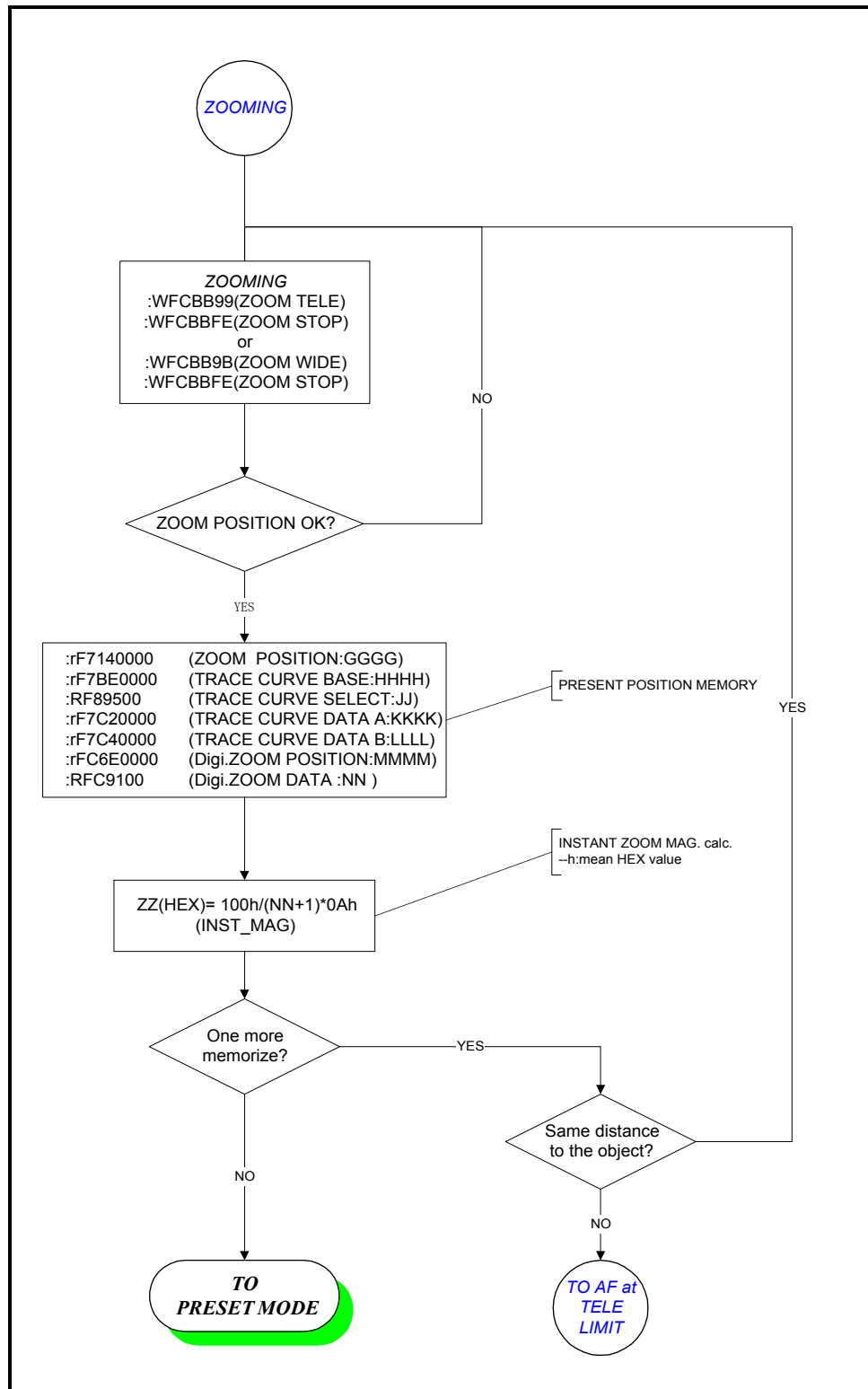
PART
THREE

- <TYPE-2> TRACE PRESET FLOW CHART

[ZOOM SPEED : 2.9 s]

1. MEMORY MODE





2. PRESET MODE

