

MP1570A SONET/SDH/PDH/ATM アナライザ リモートコマンド リファレンスマニュアル

初版

安全にお使いいただくための重要事項は、
MP1570A SONY/SDH/PDH/ATM アナライザ取扱
説明書 Vol.1 基本操作 SONY 編または SDH 編に
記載してありますのでそちらをお読みください。
本書は製品とともに保管してください。

アンリツ株式会社
メジャメント ソリューションズ

MP1570A
SONET/SDH/PDH/ATM アナライザ
リモートコマンドリファレンスマニュアル

2001 年(平成13年)8月31日(初 版)

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- ・予告なしに本書の内容を変更することがあります。
 - ・許可なしに本書の一部または全部を転載・複製することを禁じます。

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はじめに

本取扱説明書は MP1570A の画面ごとに関連したリモートコマンドを掲載しています。掲載している画面については、「1.2 掲載画面一覧票」をご覧ください。

注:

本取扱説明書に掲載されているリモートコマンドは MP1570A SONET/SDH/PDH/ATM アナライザ取扱説明書「Vol.2 リモートコントロール 第6版(英語版)」および「Vol.4 2.5G/10G 測定 第6版(英語版)」に対応しています。その他の取扱説明書「Vol.3 ATM 測定」, 「Vol.5 Add/Drop 測定」, 「Vol.6 ジッタ/ワンダ測定」, 「Vol.7 2.5G ジッタ/ワンダ測定」の内容については対応していません。

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1.1 リモートコントロールについて

M1570A SONET/SDH/PDH/ATM アナライザは、外部コントローラと接続することにより測定を自動化できます。接続には、**GPiB** インタフェース、**RS-232C** インタフェース、または **Ethernet** インタフェースを使用します。本器は、**IEEE488.2** 共通コマンドをサポートしています。また、本器はリモート制御を行うために、**SCPI(Standard Commands for Programmable Instrument)**を採用しています。以上の内容の詳細については、「**MP1570A SONET/SDH/ATM アナライザ 取扱説明書 Vol.2 リモートコントロール**」をご覧ください。

1.2 掲載画面一覧票

本取扱説明書では以下の画面に関するリモートコマンドを掲載しています。

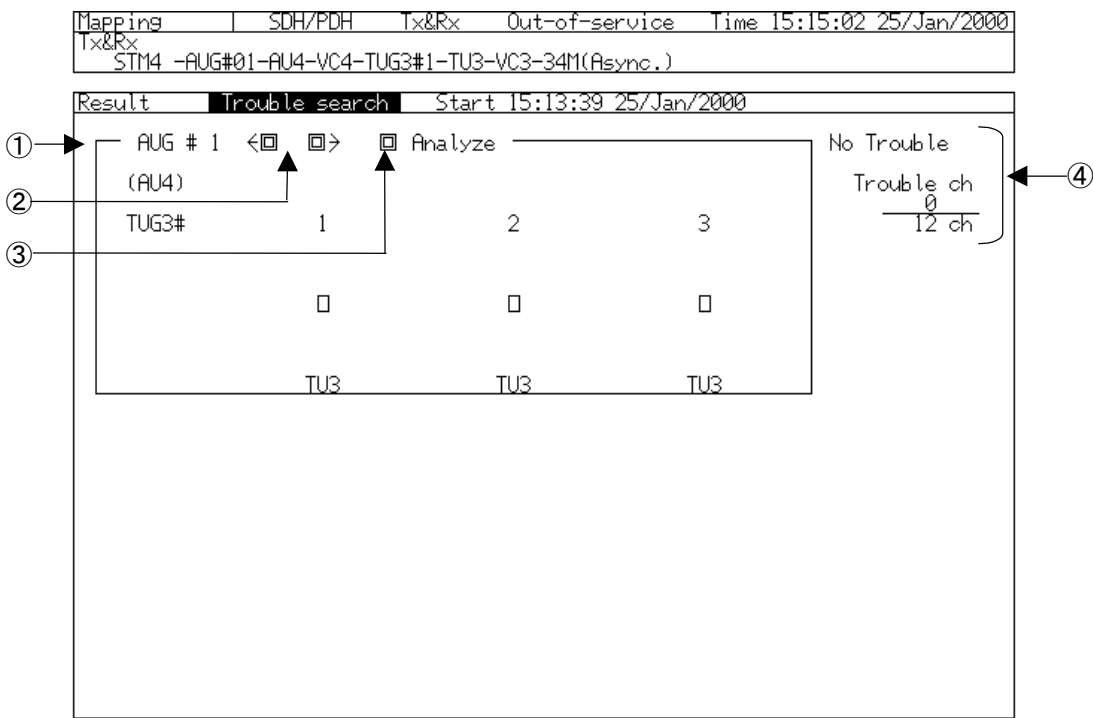
主画面	副画面
Setup	Mapping Memory Print Floppy disk System OH preset Tandem Dummy preset Measurement condition APS programmable data PTR64 frame OH change data Frame memory Signalling preset Custom function Sequence test Auto setup S1 programmable data
Test menu	Trouble search Manual Pointer sequence Delay OH test APS test Performance check Frame memory
Result	Trouble search Error/Alarm Justification Zoom Performance B2 error Simultaneous Delay APS test
Analyze	Trouble search Error/Alarm OH monitor Opt. power meter OH capture APS capture Pointer monitor Frame capture Freq. monitor Frequency Sequence test

注:

Mapping ルート設定に関するコマンドは「第 6 章 付録」を参照してください。

1.3 リモートコマンドリファレンスについて

本取扱説明書では、以下のように画面と各項目に対応したリモートコマンドを掲載しています。



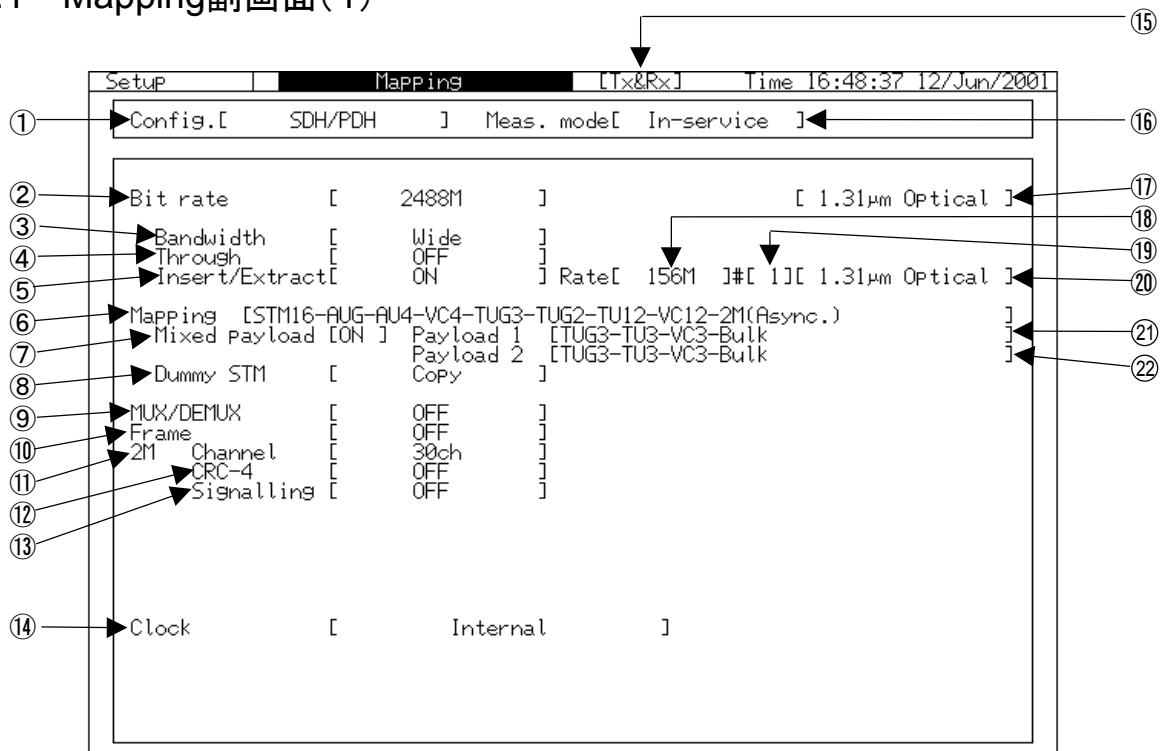
No.	Command	Page of manual
①	:DISPlay:RESult:TSEarch:AUG :DISPlay:RESult:TSEarch:AUG? :DISPlay:RESult:TSEarch:STS :DISPlay:RESult:TSEarch:STS?	Vol.2, 10-345
②	:DISPlay:RESult:TSEarch:SEARch	Vol.2, 10-345
③	:DISPlay:RESult:TSEarch:ANALyze	Vol.2, 10-346
④	:CALCulate:TSEarch:RESult?	Vol.2, 10-487

- No.:
画面内の各リモート関連項目に割り振られた番号を示します。
- Command:
No.の箇所の設定および問い合わせをするリモートコマンドを示します。
- Page of manual:
Command に示されたリモートコマンドが掲載されている取扱説明書の Vol. 番号とページ数を示します。各コマンドについての詳細は取扱説明書をご覧ください。

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2.1 Mapping 副画面

2.1.1 Mapping副画面(1)



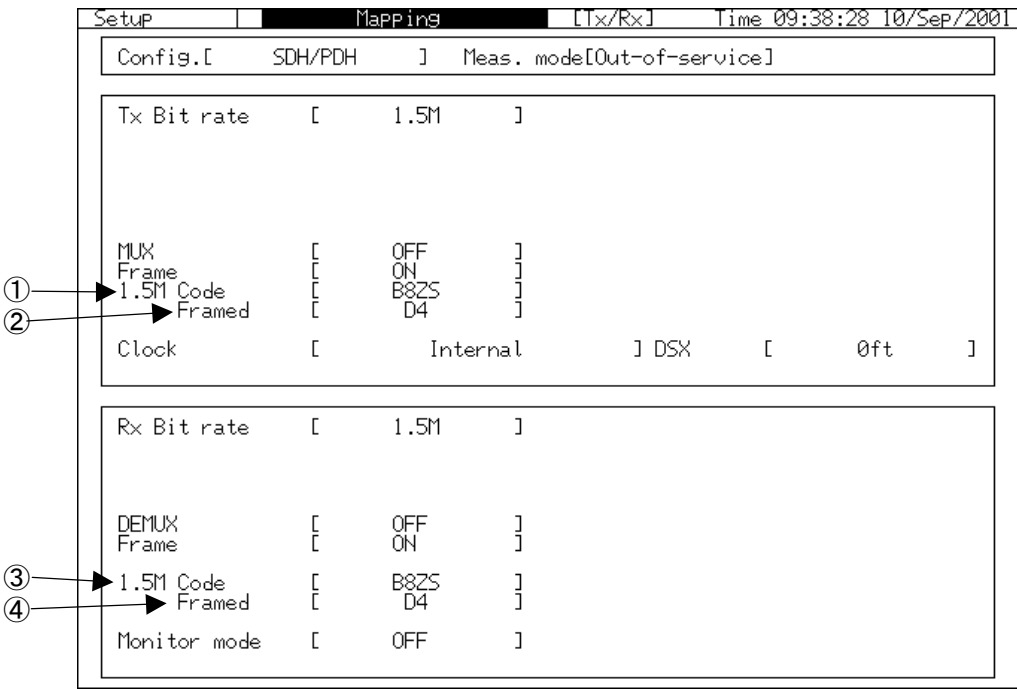
No.	Command	Page of manual
①	:INSTRument:CONFig :INSTRument: CONFig?	Vol.2, 10-8
②	:SOURce:TELEcom:BRATe :SOURce:TELEcom:BRATe? :SENSEse:TELEcom:BRATe :SENSEse:TELEcom:BRATe?	Vol.2, 10-36 Vol.2, 10-238
③	:SENSEse:TELEcom:M9953:BWIDth :SENSEse:TELEcom:M9953:BWIDth?	Vol.4, 6-42
④	:ROUTe:THROugh[:TYPE] :ROUTe:THROugh[:TYPE]?	Vol.2, 10-436
⑤	:SOURce:TELEcom:INSert:MODE :SOURce:TELEcom:INSert:MODE? :SENSEse:TELEcom:EXTRact:MODE :SENSEse:TELEcom:EXTRact:MODE?	Vol.2, 10-36,37 Vol.2, 10-238, 239

No.	Command	Page of manual
⑥	:SOURce:TELEcom:MAPPing:TYPE	Vol.2, 10-39,40
	:SOURce:TELEcom:MAPPing:TYPE?	
	:SENSe:TELEcom:MAPPing:TYPE	Vol.2, 10-240,242
	:SENSe:TELEcom:MAPPing:TYPE?	
	:SOURce:TELEcom:MAPPing:AU	Vol.2, 10-40,41
	:SOURce:TELEcom:MAPPing:AU?	
	:SENSe:TELEcom:MAPPing:AU	Vol.2, 10-242
	:SENSe:TELEcom:MAPPing:AU?	
	:SOURce:TELEcom:MAPPing:STS	Vol.2, 10-41
	:SOURce:TELEcom:MAPPing:STS?	
	:SENSe:TELEcom:MAPPing:STS	Vol.2, 10-242,243
	:SENSe:TELEcom:MAPPing:STS?	
	:SOURce:TELEcom:MAPPing:TU	Vol.2, 10-41,42
	:SOURce:TELEcom:MAPPing:TU?	
	:SENSe:TELEcom:MAPPing:TU	Vol.2, 10-243
	:SENSe:TELEcom:MAPPing:TU?	
	:SOURce:TELEcom:MAPPing:VT	Vol.2, 10-42
	:SOURce:TELEcom:MAPPing:VT?	
	:SENSe:TELEcom:MAPPing:VT	Vol.2, 10-243
	:SENSe:TELEcom:MAPPing:VT?	
⑦	:SOURce:TELEcom:MAPPing:MPAYload:MODE	Vol.2, 10-45
	:SOURce:TELEcom:MAPPing:MPAYload:MODE?	
⑧	:SOURce:TELEcom:MAPPing:DUMMy	Vol.2, 10-50,51
	:SOURce:TELEcom:MAPPing:DUMMy?	
⑨	:SOURce:TELEcom:MUX:MRATe	Vol.2, 10-56,57
	:SOURce:TELEcom:MUX:MRATe?	
	:SENSe:TELEcom:DEMUX:MRATe	Vol.2, 10-247,248
	:SENSe:TELEcom:DEMUX:MRATe?	
⑩	:SOURce:TELEcom:FRAMing	Vol.2, 10-60
	:SOURce:TELEcom:FRAMing?	
	:SENSe:TELEcom:FRAMing	Vol.2, 10-253
	:SENSe:TELEcom:FRAMing?	
⑪	:SOURce:TELEcom:M2:MCHannel	Vol.2, 10-61,62
	:SOURce:TELEcom:M2:MCHannel?	
	:SENSe:TELEcom:M2:MCHannel	Vol.2, 10-256
	:SENSe:TELEcom:M2:MCHannel?	

No.	Command	Page of manual
⑫	:SOURce:TELEcom:M2:CRC :SOURce:TELEcom:M2:CRC? :SENSe:TELEcom:M2:CRC :SENSe:TELEcom:M2:CRC?	Vol.2, 10-60,61 Vol.2, 10-254,255
⑬	:SENSe:TELEcom:M2:SIGNaling :SENSe:TELEcom:M2:SIGNaling?	Vol.2, 10-255
⑭	:SOURce:TELEcom:CLOCK:SOURce :SOURce:TELEcom:CLOCK:SOURce?	Vol.2, 10-78
⑮	:INSTRument:COUPle :INSTRument:COUPle?	Vol.2, 10-8
⑯	:SENSe:TELEcom:MMODE :SENSe:TELEcom:MMODE?	Vol.2, 10-253,254
⑰	:ROUTe:STM64:INPut :ROUTe:STM64:OUTPut? :ROUTe:STM192:INPut :ROUTe:STM192:OUTPut?	Vol.4, 6-60,61 Vol.4, 6-60,61
⑱	:SOURce:TELEcom:INSert:RATE :SOURce:TELEcom:INSert:RATE? :SENSe:TELEcom:EXTRact:RATE :SENSe:TELEcom:EXTRact:RATE?	Vol.2, 10-37 Vol.2, 10-239
⑲	:SOURce:TELEcom:INSert:CH :SOURce:TELEcom:INSert:CH?	Vol.2, 10-38
⑳	:SOURce:TELEcom:INSert:INTERface :SOURce:TELEcom:INSert:INTERface? :SENSe:TELEcom:EXTRact:INTERface :SENSe:TELEcom:EXTRact:INTERface?	Vol.2, 10-38,39 Vol.2, 10-240
㉑	:SOURce:TELEcom:MAPPING:MPAYload:PAYload1:TYPE :SOURce:TELEcom:MAPPING:MPAYload:PAYload1:TYPE? :SOURce:TELEcom:MAPPING:MPAYload:PAYload1:TU :SOURce:TELEcom:MAPPING:MPAYload:PAYload1:TU? :SOURce:TELEcom:MAPPING:MPAYload:PAYload1:VT :SOURce:TELEcom:MAPPING:MPAYload:PAYload1:VT?	Vol.2, 10-46 Vol.2, 10-46,47 Vol.2, 10-47

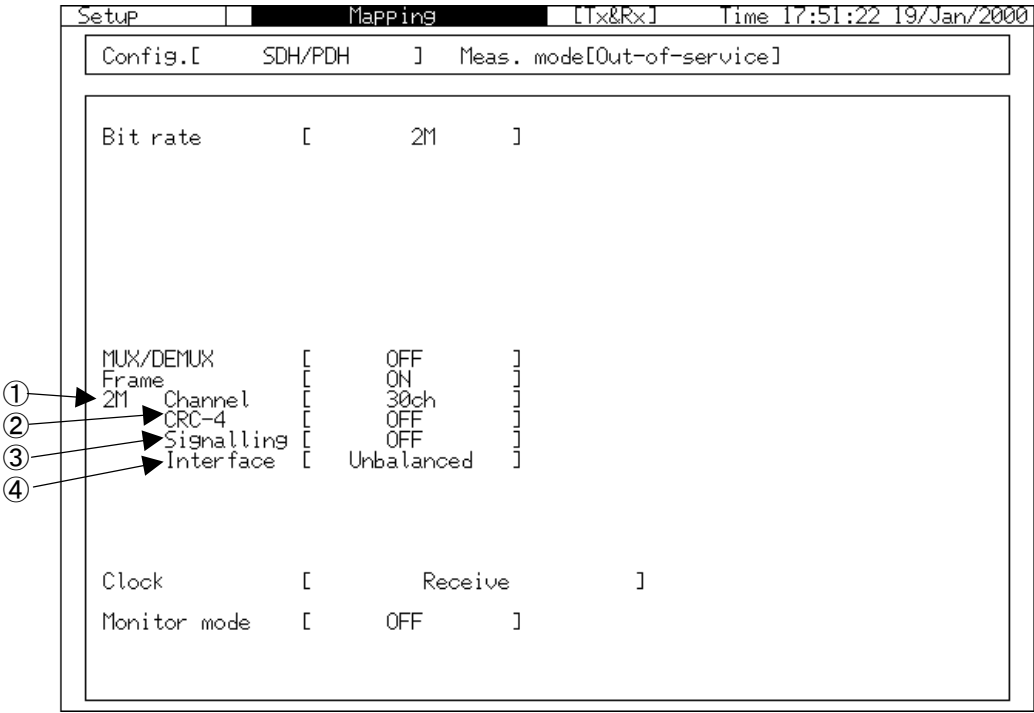
No.	Command	Page of manual
②②	:SOURce:TELEcom:MAPPing:MPAYload:PAYload2:TYPE	Vol.2, 10-47,48
	:SOURce:TELEcom:MAPPing:MPAYload:PAYload2:TYPE?	
	:SOURce:TELEcom:MAPPing:MPAYload:PAYload2:TU	Vol.2, 10-48,49
	:SOURce:TELEcom:MAPPing:MPAYload:PAYload2:TU?	
	:SOURce:TELEcom:MAPPing:MPAYload:PAYload2:VT	Vol.2, 10-49
	:SOURce:TELEcom:MAPPing:MPAYload:PAYload2:VT?	

2.1.2 Mapping副画面(2)



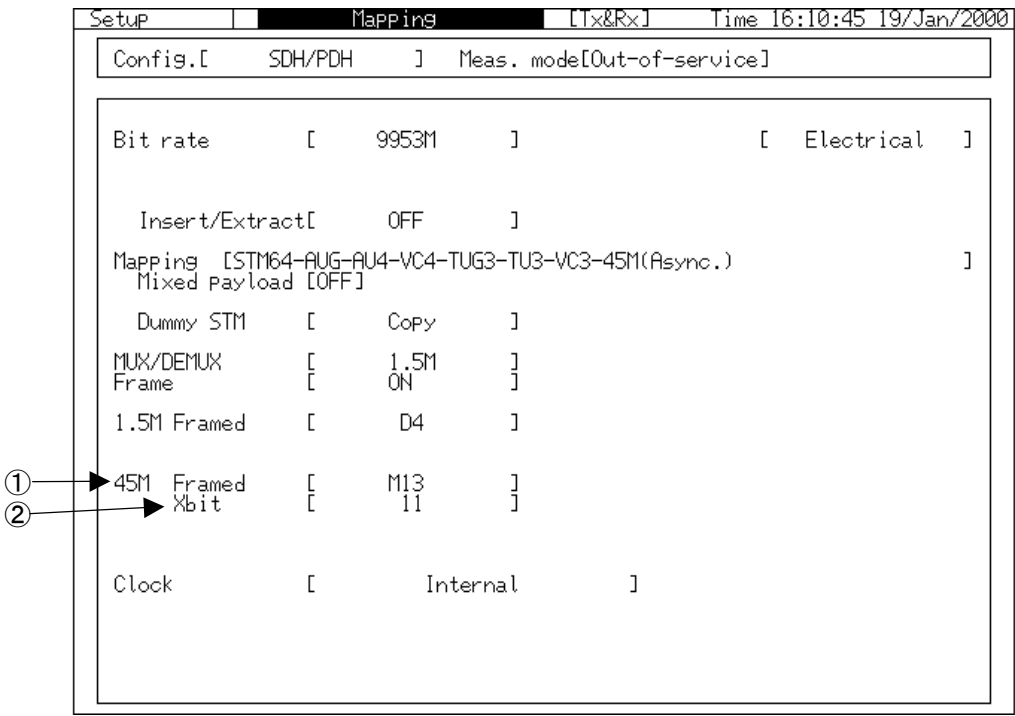
No.	Command	Page of manual
①	:SOURce:TELEcom:M1_5:CODE :SOURce:TELEcom:M1_5:CODE?	Vol.2, 10-63
②	:SOURce:TELEcom:M1_5:FRAMED :SOURce:TELEcom:M1_5:FRAMED?	Vol.2, 10-63
③	:SENSe:TELEcom:M1_5:CODE :SENSe:TELEcom:M1_5:CODE?	Vol.2, 10-257,258
④	:SENSe:TELEcom:M1_5:FRAMED :SENSe:TELEcom:M1_5:FRAMED?	Vol.2, 10-256,257

2.1.3 Mapping副画面(3)



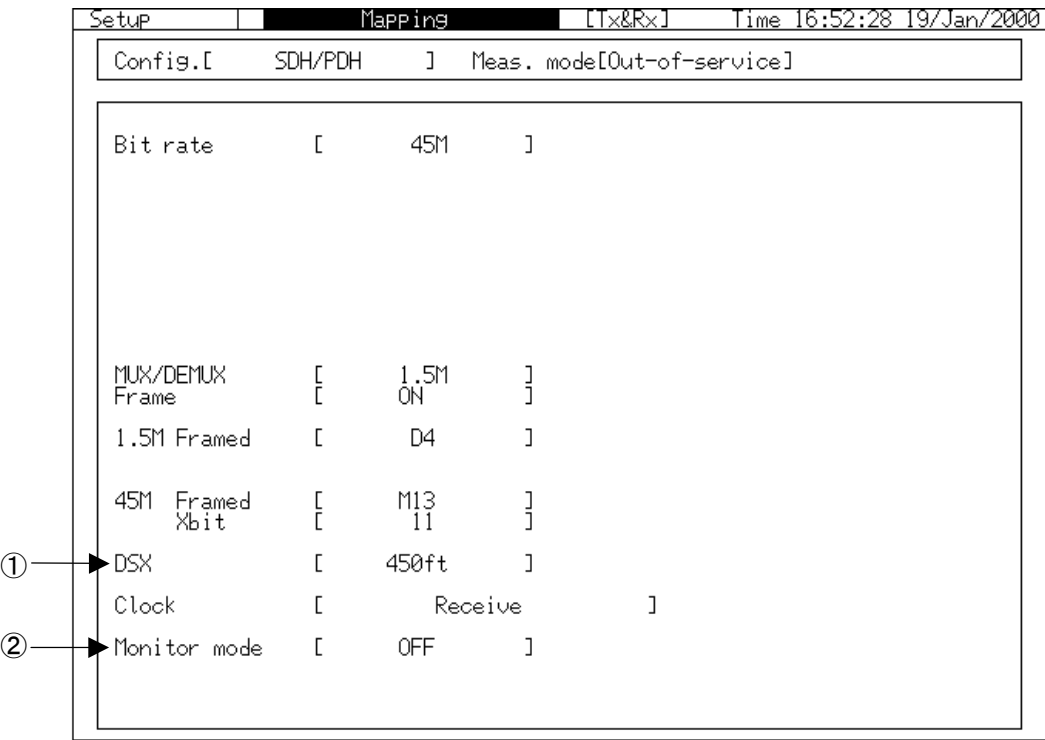
No.	Command	Page of manual
①	:SOURce:TELEcom:M2:MCHannel :SOURce:TELEcom:M2:MCHannel? :SENSe:TELEcom:M2:MCHannel :SENSe:TELEcom:M2:MCHannel?	Vol.2, 10-61,62 Vol.2, 10-256
②	:SOURce:TELEcom:M2:CRC :SOURce:TELEcom:M2:CRC? :SENSe:TELEcom:M2:CRC :SENSe:TELEcom:M2:CRC?	Vol.2, 10-60,61 Vol.2, 10-254,255
③	:SENSe:TELEcom:M2:SIGNaling :SENSe:TELEcom:M2:SIGNaling?	Vol.2, 10-255
④	:ROUTe:INPut:SElect :ROUTe:INPut:SElect?	Vol.2, 10-436

2.1.4 Mapping副画面(4)



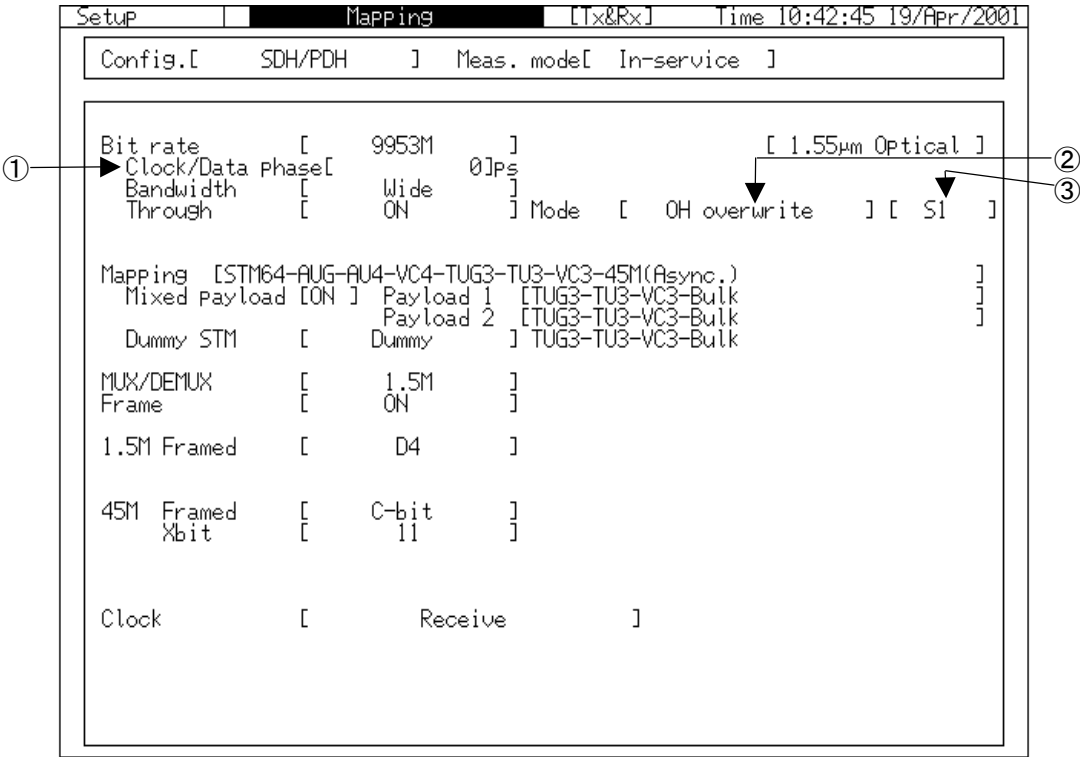
No.	Command	Page of manual
①	:SOURce:TELEcom:M45:FRAMed	Vol.2, 10-63
	:SOURce:TELEcom:M45:FRAMed?	
	:SENSe:TELEcom:M45:FRAMed	Vol.2, 10-258
	:SENSe:TELEcom:M45:FRAMed?	
②	:SOURce:TELEcom:M45:XBIT	Vol.2, 10-63,64
	:SOURce:TELEcom:M45:XBIT?	

2.1.5 Mapping副画面(5)



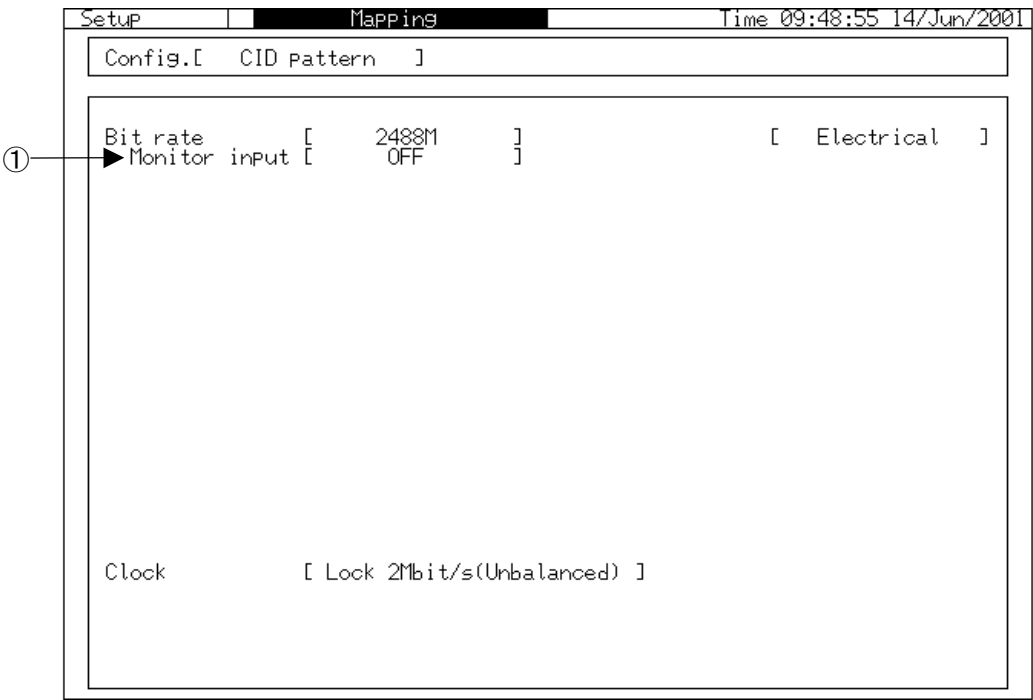
No.	Command	Page of manual
①	:SOURce:TELEcom:DSX	Vol.2, 10-64
	:SOURce:TELEcom:DSX?	
	:SENSe:TELEcom:DSX	Vol.2, 10-259
	:SENSe:TELEcom:DSX?	
②	:SENSe:TELEcom:IMODE	Vol.2, 10-258,259
	:SENSe:TELEcom:IMODE?	

2.1.6 Mapping副画面(6)



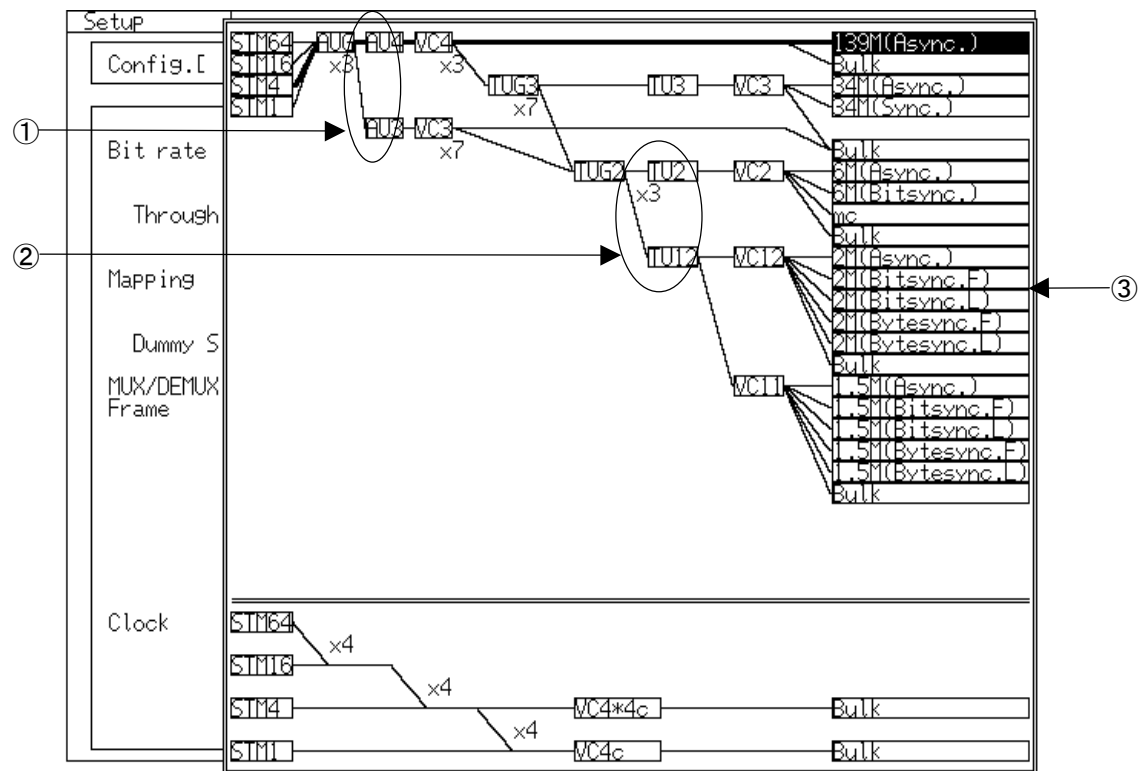
No.	Command	Page of manual
①	:SENSE:TELEcom:PHASe :SENSE:TELEcom:PHASe?	Vol.4, 6-41,42
②	:ROUTE:THROUGH:MODE :ROUTE:THROUGH:MODE?	Vol.2, 10-437
③	:ROUTE:THROUGH:OH :ROUTE:THROUGH:OH?	Vol.2, 10-437,438

2.1.7 Mapping副画面(7)



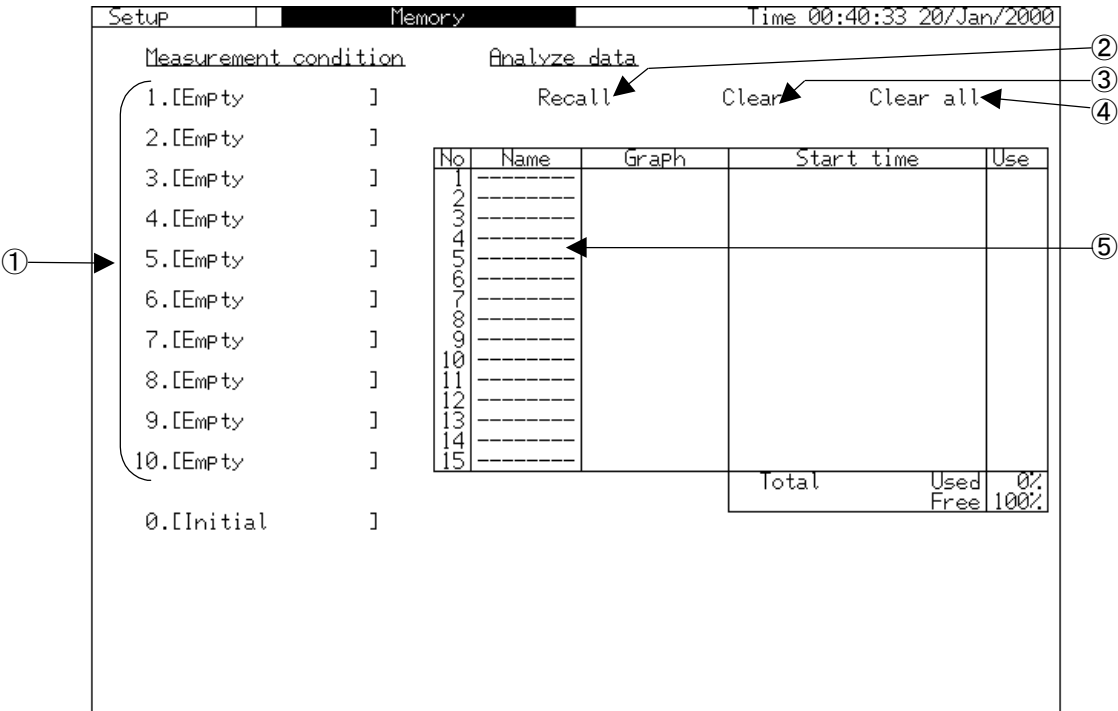
No.	Command	Page of manual
①	:SENSe:TELEcom:M2488:MPOInt :SENSe:TELEcom:M2488:MPOInt?	Vol.4, 6-40,41

2.1.8 Mapping副画面(8)



No.	Command	Page of manual
①	:SENSe:TELEcom:MAPPing:AU :SENSe:TELEcom:MAPPing:AU?	Vol.2, 10-242
②	:SENSe:TELEcom:MAPPing:TU :SENSe:TELEcom:MAPPing:TU?	Vol.2, 10-243
③	:SENSe:TELEcom:MAPPing:TYPE :SENSe:TELEcom:MAPPing:TYPE?	Vol.2, 10-240,242

2.2 Memory 副画面



No.	Command	Page of manual
①	:SYSTem:MEMory:RECall	Vol.2, 10-508
	:SYSTem:MEMory:STORe	Vol.2, 10-509
	:SYSTem:MEMory:CLear	
	:SYSTem:MEMory:LABel	
②	:SYSTem:MEMory:ANALysis:RECall	Vol.2, 10-510
③	:SYSTem:MEMory:ANALysis:CLear	Vol.2, 10-511
④	:SYSTem:MEMory:ANALysis:AClear	Vol.2, 10-511
⑤	:SYSTem:MEMory:ANALysis:LABel?	Vol.2, 10-510
	:SYSTem:MEMory:ANALysis:STORe	Vol.2, 10-511

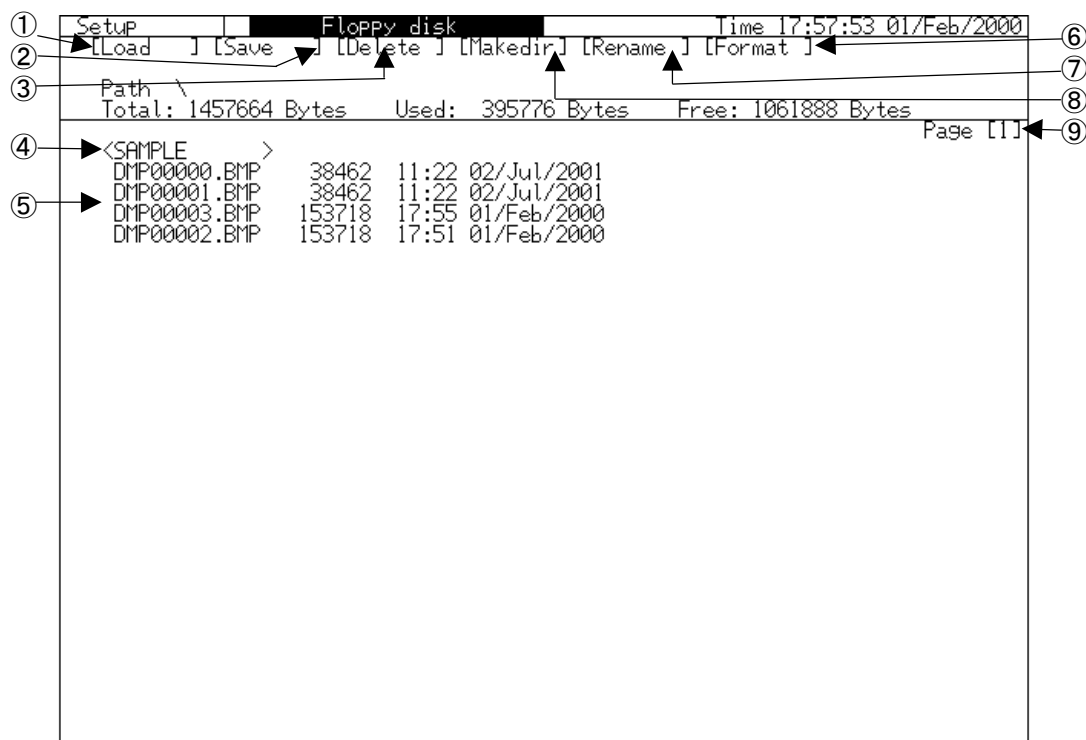
2.3 Print 副画面

Setup	Print	Time 15:25:16 20/Jan/2000
①	Intermediate data [OFF]	
	Print items	
②	Measuring condition [OFF]	
③	Error occurrence [ON]	
④	Unit [Count]	
⑤	Threshold [OFF]	
⑥	Paper saving [OFF]	
⑦	Alarm occurrence [ON]	
⑧	Last data [ON]	
⑨	Error [ON]	
⑩	Alarm [ON]	
⑪	Performance [ON]	
⑫	Justification [ON]	

No.	Command	Page of manual
①	:SYSTem:PRINT:IDATa[:TYPE] :SYSTem:PRINT:IDATa[:TYPE]? :SYSTem:PRINT:IDATa:PERiod :SYSTem:PRINT:IDATa:PERiod?	Vol.2, 10-501 Vol.2, 10-501,502
②	:SYSTem:PRINT:MCONdition :SYSTem:PRINT:MCONdition?	Vol.2, 10-502
③	:SYSTem:PRINT:ERRor:SET :SYSTem:PRINT:ERRor:SET?	Vol.2, 10-502
④	:SYSTem:PRINT:ERRor:TYPE :SYSTem:PRINT:ERRor:TYPE?	Vol.2, 10-503
⑤	:SYSTem:PRINT:ERRor:THReshold:EC :SYSTem:PRINT:ERRor:THReshold:EC? :SYSTem:PRINT:ERRor:THReshold:ER :SYSTem:PRINT:ERRor:THReshold:ER?	Vol.2, 10-503 Vol.2, 10-504
⑥	:SYSTem:PRINT:ERRor:SQUelch :SYSTem:PRINT:ERRor:SQUelch?	Vol.2, 10-504
⑦	:SYSTem:PRINT:ALARm:SET :SYSTem:PRINT:ALARm:SET?	Vol.2, 10-505

No.	Command	Page of manual
⑧	:SYSTem:PRINt:LDATa:SET :SYSTem:PRINt:LDATa:SET?	Vol.2, 10-505
⑨	:SYSTem:PRINt:LDATa:ERRor :SYSTem:PRINt:LDATa:ERRor?	Vol.2, 10-506
⑩	:SYSTem:PRINt:LDATa:ALARm :SYSTem:PRINt:LDATa:ALARm?	Vol.2, 10-506
⑪	:SYSTem:PRINt:LDATa:PERFormance :SYSTem:PRINt:LDATa:PERFormance?	Vol.2, 10-507
⑫	:SYSTem:PRINt:LDATa:JUSTificat :SYSTem:PRINt:LDATa:JUSTificat?	Vol.2, 10-507,508

2.4 Floppy disk 副画面



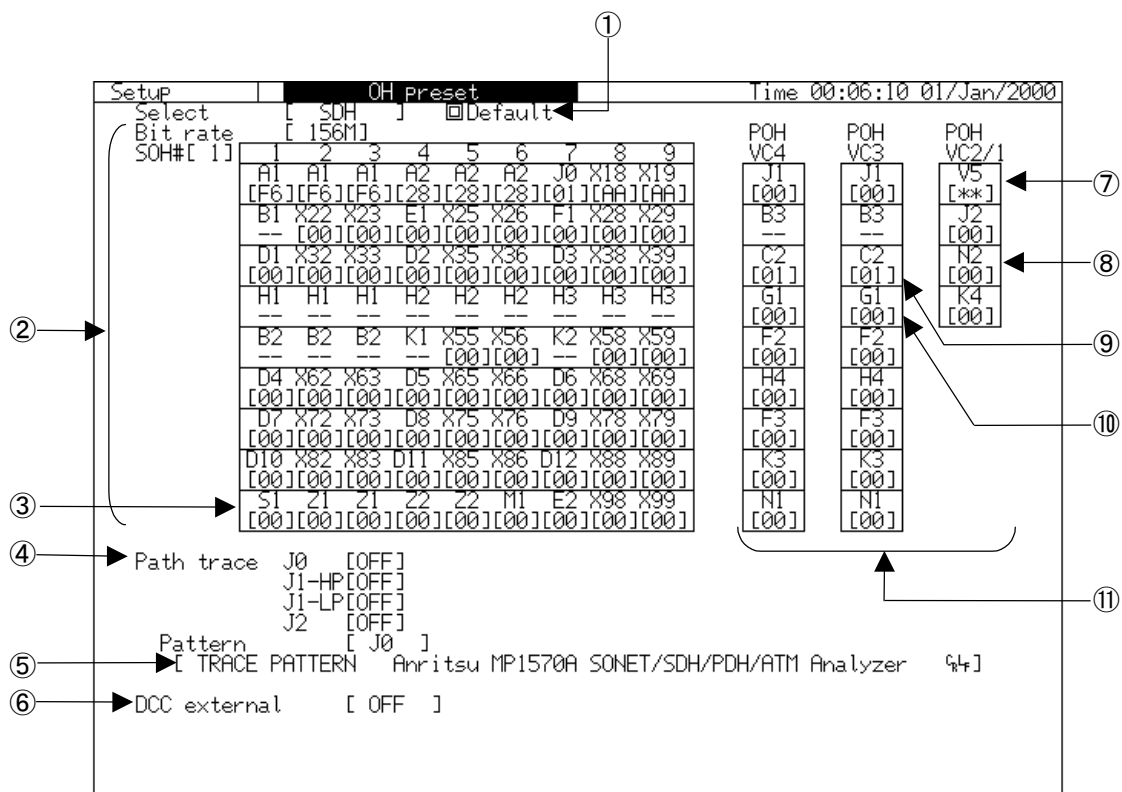
No.	Command	Page of manual
①	:SYSTem:MMEMory:RECall	Vol.2, 10-511
②	:SYSTem:MMEMory:STORe	Vol.2, 10-512
③	:SYSTem:MMEMory:DELeTe	Vol.2, 10-513
④	:SYSTem:MMEMory:CDIRectory	Vol.2, 10-515
⑤	:SYSTem:MMEMory:CATalog?	Vol.2, 10-514
⑥	:SYSTem:MMEMory:INITialize	Vol.2, 10-513
⑦	:SYSTem:MMEMory:REName	Vol.2, 10-513
⑧	:SYSTem:MMEMory:MDIRectory	Vol.2, 10-513
⑨	:DISPlay:SETup:FDPage :DISPlay:SETup:FDPage?	Vol.2, 10-431,432

2.5 System 副画面

Setup	System	Time 12:16:23 26/Jul/2001
①	Standard [SDH]	
②	Protection Protocol (K1/K2 Translate) [G.841]	
③	Buzzer [OFF]	
④	Order wire [E1 μ -law]	Volume[3] ← ⑦
⑤	Graph resolution [15min]	
	Date & Time adjust [12:16:23 26/Jul/2001]	
⑥	GPIB Interface [OFF] RS-232C Interface [Control] Speed [9600] Character length [8bit] Parity [None] Stop bit [1bit] Flow control [X-ON/X-OFF]	⑧

No.	Command	Page of manual
①	:INSTRument:STANdard :INSTRument:STANdard ?	Vol.2, 10-8,9
②	:SYSTem:PROTection :SYSTem:PROTection?	Vol.2, 10-515
③	:SYSTem:BUZZer :SYSTem:BUZZer?	Vol.2, 10-520
④	:SYSTem:ORDerwire:TYPE :SYSTem:ORDerwire:TYPE?	Vol.2, 10-515,516
⑤	:SENSe:MEASure:GRESolution :SENSe:MEASure:GRESolution?	Vol.2, 10-264,265
⑥	:SYSTem:TIME :SYSTem:TIME?	Vol.2, 10-520
⑦	:SYSTem:ORDerwire:TYPE :SYSTem:ORDerwire:TYPE?	Vol.2, 10-515,516
⑧	:SYSTem:DATE :SYSTem:DATE?	Vol.2, 10-519,520

2.6 OH Preset 副画面

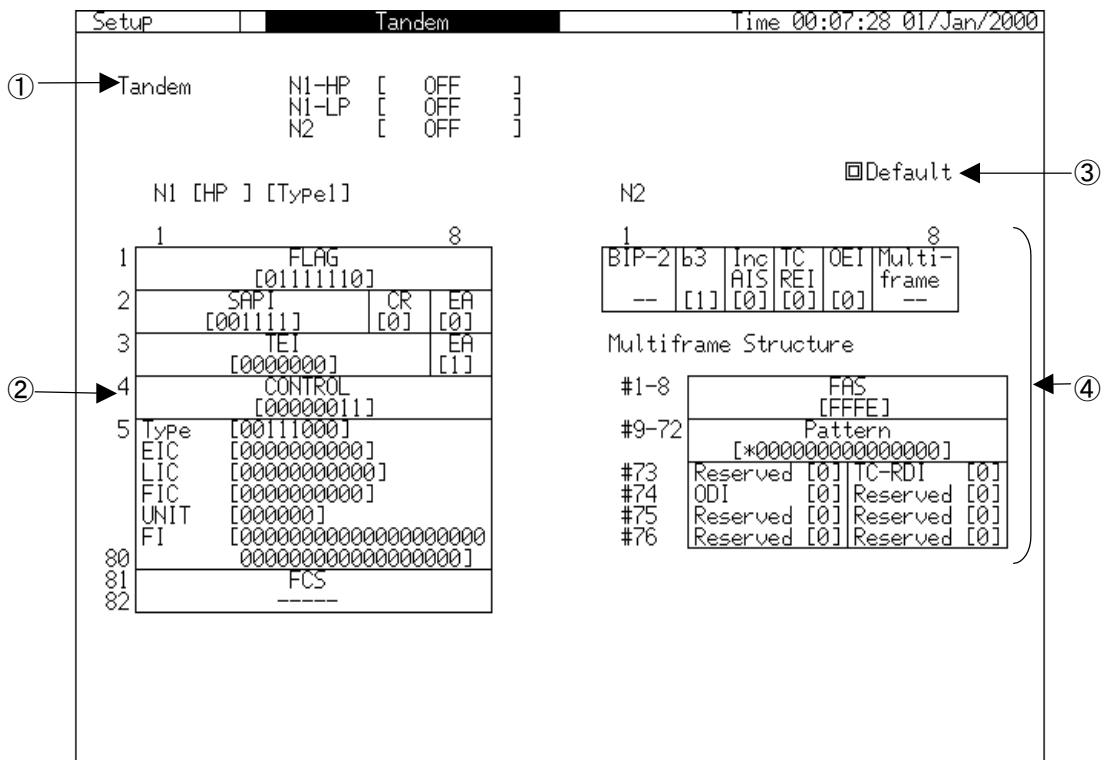


No.	Command	Page of manual
①	:SOURce:TELEcom:OHPReset:DEFault	Vol.2, 10-114
②	:SOURce:TELEcom:OHPReset:SOHPattern :SOURce:TELEcom:OHPReset:SOHPattern? :SOURce:TELEcom:OHPReset:TOHPattern :SOURce:TELEcom:OHPReset:TOHPattern?	Vol.2, 10-107,108
③	:SOURce:TELEcom:OHPReset:SSMessage :SOURce:TELEcom:OHPReset:SSMessage?	Vol.2, 10-108
④	:SOURce:TELEcom:OHPReset:PTCondition :SOURce:TELEcom:OHPReset:PTCondition?	Vol.2, 10-114
⑤	:SOURce:TELEcom:OHPReset:PTData :SOURce:TELEcom:OHPReset:PTData?	Vol.2, 10-115
⑥	:SOURce:TELEcom:OHPReset:DEXternal :SOURce:TELEcom:OHPReset:DEXternal?	Vol.2, 10-115
⑦	:SOURce:TELEcom:OHPReset:VLABEL :SOURce:TELEcom:OHPReset:VLABEL?	Vol.2, 10-112

No.	Command	Page of manual
⑧	:SOURce:TELEcom:OHPReset:KLABel :SOURce:TELEcom:OHPReset:KLABel? :SOURce:TELEcom:OHPReset:ZLABel :SOURce:TELEcom:OHPReset:ZLABel?	Vol.2, 10-113
⑨	:SOURce:TELEcom:OHPReset:SLABel :SOURce:TELEcom:OHPReset:SLABel? :SOURce:TELEcom:OHPReset:PLABel :SOURce:TELEcom:OHPReset:PLABel?	Vol.2, 10-111
⑩	:SOURce:TELEcom:OHPReset:GLABel :SOURce:TELEcom:OHPReset:GLABel?	Vol.2, 10-112,113
⑪	:SOURce:TELEcom:OHPReset:POHPattern :SOURce:TELEcom:OHPReset:POHPattern?	Vol.2, 10-110

2.7 Tandem 副画面

2.7.1 Tandem副画面(1)



No.	Command	Page of manual
①	:SOURce:TELEcom:TANDem:CONDition:N1HP:MODE :SOURce:TELEcom:TANDem:CONDition:N1HP:MODE? :SOURce:TELEcom:TANDem:CONDition:N1LP:MODE :SOURce:TELEcom:TANDem:CONDition:N1LP:MODE? :SOURce:TELEcom:TANDem:CONDition:N2:MODE :SOURce:TELEcom:TANDem:CONDition:N2:MODE? :SOURce:TELEcom:TANDem:CONDition:Z5HP:MODE :SOURce:TELEcom:TANDem:CONDition:Z5HP:MODE? :SOURce:TELEcom:TANDem:CONDition:Z5LP:MODE :SOURce:TELEcom:TANDem:CONDition:Z5LP:MODE? :SOURce:TELEcom:TANDem:CONDition:Z6:MODE :SOURce:TELEcom:TANDem:CONDition:Z6:MODE?	Vol.2, 10-51,52
②	:SOURce:TELEcom:TANDem:N1HP:TYPE1 :SOURce:TELEcom:TANDem:N1HP:TYPE1? :SOURce:TELEcom:TANDem:Z5HP:TYPE1 :SOURce:TELEcom:TANDem:Z5HP:TYPE1?	Vol.2, 10-53
③	:SOURce:TELEcom:TANDem:DEFault	Vol.2, 10-53

No.	Command	Page of manual
④	:SOURce:TELEcom:TANDem:N2 :SOURce:TELEcom:TANDem:N2? :SOURce:TELEcom:TANDem:Z6 :SOURce:TELEcom:TANDem:Z6?	Vol.2, 10-55,56

2.7.2 Tandem副画面(2)

Setup

Tandem

Time 20:44:36 27/Mar/2001

Tandem

N1-HP [ON]

N1-LP [ON]

N2 [ON]

[Type1]

[Type2]

N1 [HP] [Type2]

N2 ☐Default

1

TEC

TC

OEI

Multi-

8

frame

1

BIP-2

b3

Inc

TC

OEI

Multi-

8

frame

1

REI

REI

1

REI

REI

①

Multiframe Structure

Multiframe Structure

#1-8

FAS

[FFFE]

#1-8

FAS

[FFFE]

#9-72

Pattern

[*0000000000000000]

#9-72

Pattern

[*0000000000000000]

#73

Reserved

[0]

TC-RDI

[0]

#73

Reserved

[0]

TC-RDI

[0]

#74

ODI

[0]

Reserved

[0]

#74

ODI

[0]

Reserved

[0]

#75

Reserved

[0]

Reserved

[0]

#75

Reserved

[0]

Reserved

[0]

#76

Reserved

[0]

Reserved

[0]

#76

Reserved

[0]

Reserved

[0]

②

No.	Command	Page of manual
①	:SOURce:TELEcom:TANDem:N1HP:TYPE2 :SOURce:TELEcom:TANDem:N1HP:TYPE2? :SOURce:TELEcom:TANDem:Z5HP:TYPE2 :SOURce:TELEcom:TANDem:Z5HP:TYPE2? :SOURce:TELEcom:TANDem:N1LP:TYPE2 :SOURce:TELEcom:TANDem:N1LP:TYPE2? :SOURce:TELEcom:TANDem:Z5LP:TYPE2 :SOURce:TELEcom:TANDem:Z5LP:TYPE2?	Vol.2, 10-54,55
②	:SOURce:TELEcom:TANDem:CONDition:N1HP:TYPE :SOURce:TELEcom:TANDem:CONDition:N1HP:TYPE? :SOURce:TELEcom:TANDem:CONDition:N1LP:TYPE :SOURce:TELEcom:TANDem:CONDition:N1LP:TYPE? :SOURce:TELEcom:TANDem:CONDition:Z5HP:TYPE :SOURce:TELEcom:TANDem:CONDition:Z5HP:TYPE? :SOURce:TELEcom:TANDem:CONDition:Z5LP:TYPE :SOURce:TELEcom:TANDem:CONDition:Z5LP:TYPE?	Vol.2, 10-52

2.8 Dummy Preset 副画面

Setup Dummy Preset Time 08:32:01 28/Mar/2001

① ☐ Default

② POH VC4 J1 [00] B3 [00] C2 [01] G1 [00] F2 [00] H4 [00] F3 [00] K3 [00] N1 [00]

③ POH VC3 J1 [00] B3 [00] C2 [01] G1 [00] F2 [00] H4 [00] F3 [00] K3 [00] N1 [00]

④ POH VC2/1 J1 [00] B3 [00] C2 [01] G1 [00] F2 [00] H4 [00] F3 [00] K3 [00] N1 [00]

⑤ Path trace J1-HP [ON] [CRC ON] J1-LP [ON] [CRC OFF] J2 [ON] [CRC OFF]

⑥ Pattern [*TRACE PATTERN]

⑦ Dummy Payload [PRBS11]

⑧ Mixed Payload1 [PRBS11]

⑨ Mixed Payload2 [PRBS11]

Pointer AU pointer 522 0
TU pointer

⑩ Tandem N1-HP [ON] [Type1] N1-LP [ON] [Type2] N2 [ON]

⑪ N1 [HP] [Type1] IEC [0000] Data link [0000]

⑫ N2 BIP-2 b3 Inc TC OEI b7-8 [1] [0] [0] [0] [0]

⑬ [Default]

⑭ [0000]

⑮ [0000]

No.	Command	Page of manual
①	:SOURCE:TELEcom:DPReset:DEFAULT	Vol.2, 10-91
②	:SOURCE:TELEcom:DPReset:SLABel :SOURCE:TELEcom:DPReset:SLABel? :SOURCE:TELEcom:DPReset:PLABel :SOURCE:TELEcom:DPReset:PLABel?	Vol.2, 10-87,88
③	:SOURCE:TELEcom:DPReset:GLABel :SOURCE:TELEcom:DPReset:GLABel?	Vol.2, 10-89,90
④	:SOURCE:TELEcom:DPReset:POHPattern :SOURCE:TELEcom:DPReset:POHPattern?	Vol.2, 10-87
⑤	:SOURCE:TELEcom:DPReset:PTCondition :SOURCE:TELEcom:DPReset:PTCondition?	Vol.2, 10-95,96
⑥	:SOURCE:TELEcom:DPReset:PTData :SOURCE:TELEcom:DPReset:PTData?	Vol.2, 10-96
⑦	:SOURCE:TELEcom:DPReset:DUMMy :SOURCE:TELEcom:DPReset:DUMMy?	Vol.2, 10-98
⑧	:SOURCE:TELEcom:DPReset:MPAYLoad:PAYLoad1 :SOURCE:TELEcom:DPReset:MPAYLoad:PAYLoad1?	Vol.2, 10-97
⑨	:SOURCE:TELEcom:DPReset:MPAYLoad:PAYLoad2 :SOURCE:TELEcom:DPReset:MPAYLoad:PAYLoad2?	Vol.2, 10-97

No.	Command	Page of manual
⑩	:SOURce:TELEcom:DPReset:VLABel :SOURce:TELEcom:DPReset:VLABel?	Vol.2, 10-89
⑪	:SOURce:TELEcom:DPReset:KLABel :SOURce:TELEcom:DPReset:KLABel? :SOURce:TELEcom:DPReset:ZLABel :SOURce:TELEcom:DPReset:ZLABel?	Vol.2, 10-90,91
⑫	:SOURce:TELEcom:DPReset:TANDem:CONDition:N1HP:TYPE :SOURce:TELEcom:DPReset:TANDem:CONDition:N1HP:TYPE? :SOURce:TELEcom:DPReset:TANDem:CONDition:N1LP:TYPE :SOURce:TELEcom:DPReset:TANDem:CONDition:N1LP:TYPE? :SOURce:TELEcom:DPReset:TANDem:CONDition:Z5HP:TYPE :SOURce:TELEcom:DPReset:TANDem:CONDition:Z5HP:TYPE? :SOURce:TELEcom:DPReset:TANDem:CONDition:Z5LP:TYPE :SOURce:TELEcom:DPReset:TANDem:CONDition:Z5LP:TYPE?	Vol.2, 10-92,93
⑬	:SOURce:TELEcom:DPReset:TANDem:CONDition:N1HP:MODE :SOURce:TELEcom:DPReset:TANDem:CONDition:N1HP:MODE? :SOURce:TELEcom:DPReset:TANDem:CONDition:N1LP:MODE :SOURce:TELEcom:DPReset:TANDem:CONDition:N1LP:MODE? :SOURce:TELEcom:DPReset:TANDem:CONDition:N2:MODE :SOURce:TELEcom:DPReset:TANDem:CONDition:N2:MODE? :SOURce:TELEcom:DPReset:TANDem:CONDition:Z5HP:MODE :SOURce:TELEcom:DPReset:TANDem:CONDition:Z5HP:MODE? :SOURce:TELEcom:DPReset:TANDem:CONDition:Z5LP:MODE :SOURce:TELEcom:DPReset:TANDem:CONDition:Z5LP:MODE? :SOURce:TELEcom:DPReset:TANDem:CONDition:Z6:MODE :SOURce:TELEcom:DPReset:TANDem:CONDition:Z6:MODE?	Vol.2, 10-91

No.	Command	Page of manual
⑭	:SOURCE:TELEcom:DPReset:TANDem:N1HP:TYPE1 :SOURCE:TELEcom:DPReset:TANDem:N1HP:TYPE1? :SOURCE:TELEcom:DPReset:TANDem:Z5HP:TYPE1 :SOURCE:TELEcom:DPReset:TANDem:Z5HP:TYPE1? :SOURCE:TELEcom:DPReset:TANDem:N1HP:TYPE2 :SOURCE:TELEcom:DPReset:TANDem:N1HP:TYPE2? :SOURCE:TELEcom:DPReset:TANDem:Z5HP:TYPE2 :SOURCE:TELEcom:DPReset:TANDem:Z5HP:TYPE2? :SOURCE:TELEcom:DPReset:TANDem:N1LP:TYPE2 :SOURCE:TELEcom:DPReset:TANDem:N1LP:TYPE2? :SOURCE:TELEcom:DPReset:TANDem:Z5LP:TYPE2 :SOURCE:TELEcom:DPReset:TANDem:Z5LP:TYPE2?	Vol.2, 10-93,94
⑮	:SOURCE:TELEcom:DPReset:TANDem:N2 :SOURCE:TELEcom:DPReset:TANDem:N2? :SOURCE:TELEcom:DPReset:TANDem:Z6 :SOURCE:TELEcom:DPReset:TANDem:Z6?	Vol.2, 10-95

2.9 Measurement Condition 副画面

Setup Measurement condition Time 15:31:04 29/Mar/2001

Alarm				STS Path				VT Path			
Section/Line				Meas. Det. Rem.				Meas. Det. Rem.			
①	LOS	[ON]		AIS	[ON]	[3]	[3]	AIS	[ON]	[3]	[3]
	LOF	[ON]	[3.0] [3.0]	LOP	[ON]	[8]	[3]	LOP	[ON]	[8]	[3]
	QOF	[ON]		RDI	[ON]	[10]	[10]	RDI	[ON]	[10]	[10]
	AIS	[ON]		PLM	[ON]	[5]	[5]	PLM	[ON]	[5]	[5]
	RDI	[ON]	[5] [5]					RFI	[ON]	[1]	[1]
								LOM	[ON]	[5]	[1]
②				TIM	[ON]			TIM	[ON]		
③				UNEQ	[ON]	[1]	[1]	UNEQ	[ON]	[1]	[1]
④	Note: All other Detection and Removal values are in "Frames".										
⑤	Tandem	Z5-HP	[OFF]	Type1				Z6	[OFF]		
		Z5-LP	[OFF]	Type2							
⑥				VC-AIS	[ON]	[5]	[1]	VC-AIS	[ON]	[5]	[1]
				ISF	[ON]	[5]	[1]				
				FAS	[ON]	[1]	[2]	FAS	[ON]	[1]	[2]
				IncAIS	[ON]	[1]	[2]	IncAIS	[ON]	[5]	[5]
				TC-RDI	[ON]	[5]	[5]	TC-RDI	[ON]	[5]	[5]
				ODI	[ON]	[5]	[5]	ODI	[ON]	[5]	[5]
⑦											
⑧	Mask condition	[ON]		Only highest ranking alarm is displayed. Lower ranking alarms and errors are masked.							
⑨	PLM Detection Pattern	HP	[Manual]	[00]							
⑩		LP	[Manual]	[00]							
⑪	Error	[ON]									
⑫	LOP Detection	[Without SS bit]									
⑬	Performance										
⑭	Recommendation	G.826		Frame	[2M]						
⑮	Trigger output	[OFF]									

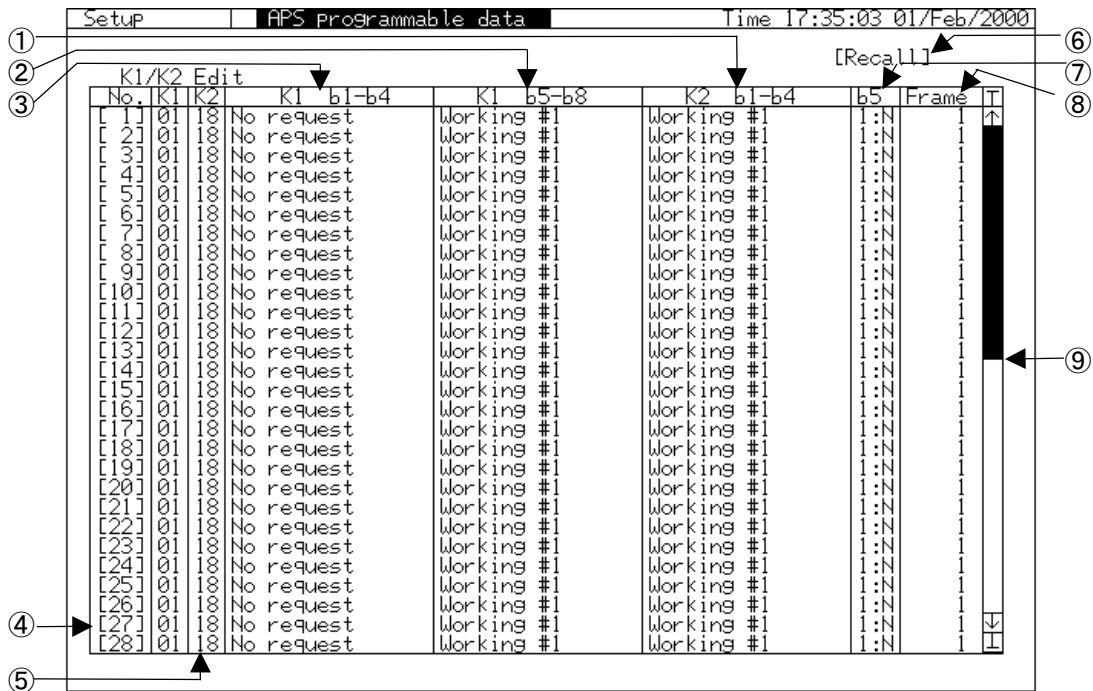
No.	Command	Page of manual
①	:SENSe:MEASure:ALARm:SECTion:MEAS :SENSe:MEASure:ALARm:SECTion:MEAS?	Vol.2, 10-265
②	:SENSe:MEASure:ALARm:SECTion:DETection :SENSe:MEASure:ALARm:SECTion:DETection?	Vol.2, 10-266
③	:SENSe:MEASure:ALARm:HP:MEAS :SENSe:MEASure:ALARm:HP:MEAS?	Vol.2, 10-267
④	:SENSe:MEASure:TANDem:N1HP:MODE :SENSe:MEASure:TANDem:N1HP:MODE? :SENSe:MEASure:TANDem:Z5HP:MODE :SENSe:MEASure:TANDem:Z5HP:MODE?	Vol.2, 10-272,273
⑤	:SENSe:MEASure:TANDem:N1LP:MODE :SENSe:MEASure:TANDem:N1LP:MODE? :SENSe:MEASure:TANDem:Z5LP:MODE :SENSe:MEASure:TANDem:Z5LP:MODE?	Vol.2, 10-272,273
⑥	:SENSe:MEASure:TANDem:HP:MEAS :SENSe:MEASure:TANDem:HP:MEAS?	Vol.2, 10-274
⑦	:SENSe:MEASure:TANDem:HP:DETection :SENSe:MEASure:TANDem:HP:DETection?	Vol.2, 10-274,275

No.	Command	Page of manual
⑧	:SENSe:MEASure:TANDem:HP:REMove :SENSe:MEASure:TANDem:HP:REMove?	Vol.2, 10-275
⑨	:SENSe:MEASure:ALARm:MASK :SENSe:MEASure:ALARm:MASK?	Vol.2, 10-272
⑩	:SENSe:MEASure:SLM:DETection:HP:MODE :SENSe:MEASure:SLM:DETection:HP:MODE? :SENSe:MEASure:PLM:DETection:HP:MODE :SENSe:MEASure:PLM:DETection:HP:MODE?	Vol.2, 10-277,278
⑪	:SENSe:MEASure:SLM:DETection:LP:MODE :SENSe:MEASure:SLM:DETection:LP:MODE? :SENSe:MEASure:PLM:DETection:LP:MODE :SENSe:MEASure:PLM:DETection:LP:MODE?	Vol.2, 10-277,278
⑫	:SENSe:MEASure:BERRor :SENSe:MEASure:BERRor?	Vol.2, 10-262
⑬	:SENSe:MEASure:LOPDetection :SENSe:MEASure:LOPDetection?	Vol.2, 10-279
⑭	:CALCulate:TELEcom:PERFormance:TYPE :CALCulate:TELEcom:PERFormance:TYPE?	Vol.2, 10-447
⑮	:SYSTem:TRIGgerout :SYSTem:TRIGgerout?	Vol.2, 10-521,522
⑯	:SENSe:MEASure:ALARm:HP:MEAS :SENSe:MEASure:ALARm:HP:MEAS?	Vol.2, 10-267
⑰	:SENSe:MEASure:ALARm:HP:DETection :SENSe:MEASure:ALARm:HP:DETection?	Vol.2, 10-268
⑱	:SENSe:MEASure:ALARm:HP:REMove :SENSe:MEASure:ALARm:HP:REMove?	Vol.2, 10-268,269
⑲	:SENSe:MEASure:ALARm:LP:REMove :SENSe:MEASure:ALARm:LP:REMove?	Vol.2, 10-271
⑳	:SENSe:MEASure:ALARm:LP:DETection :SENSe:MEASure:ALARm:LP:DETection?	Vol.2, 10-270
㉑	:SENSe:MEASure:ALARm:LP:MEAS :SENSe:MEASure:ALARm:LP:MEAS?	Vol.2, 10-269,270
㉒	:SENSe:MEASure:TANDem:N1HP:TYPE :SENSe:MEASure:TANDem:N1HP:TYPE? :SENSe:MEASure:TANDem:Z5HP:TYPE :SENSe:MEASure:TANDem:Z5HP:TYPE?	Vol.2, 10-273

No.	Command	Page of manual
②③	:SENSe:MEASure:TANDem:N1LP:TYPE :SENSe:MEASure:TANDem:N1LP:TYPE? :SENSe:MEASure:TANDem:Z5LP:TYPE :SENSe:MEASure:TANDem:Z5LP:TYPE?	Vol.2, 10-273
②④	:SENSe:MEASure:TANDem:N2:MODE :SENSe:MEASure:TANDem:N2:MODE? :SENSe:MEASure:TANDem:Z6:MODE :SENSe:MEASure:TANDem:Z6:MODE?	Vol.2, 10-272,273
②⑤	:SENSe:MEASure:TANDem:LP:REMove :SENSe:MEASure:TANDem:LP:REMove?	Vol.2, 10-277
②⑥	:SENSe:MEASure:TANDem:LP:DETection :SENSe:MEASure:TANDem:LP:DETection?	Vol.2, 10-276,277
②⑦	:SENSe:MEASure:TANDem:LP:MEAS :SENSe:MEASure:TANDem:LP:MEAS?	Vol.2, 10-276
②⑧	:SENSe:MEASure:SLM:DETection:HP:PATtern :SENSe:MEASure:SLM:DETection:HP:PATtern? :SENSe:MEASure:PLM:DETection:HP:PATtern :SENSe:MEASure:PLM:DETection:HP:PATtern?	Vol.2, 10-278
②⑨	:SENSe:MEASure:SLM:DETection:LP:PATtern :SENSe:MEASure:SLM:DETection:LP:PATtern? :SENSe:MEASure:PLM:DETection:LP:PATtern :SENSe:MEASure:PLM:DETection:LP:PATtern?	Vol.2, 10-278,279
③⑩	:CALCulate:TELEcom:PERFormance:FRAMe :CALCulate:TELEcom:PERFormance:FRAMe?	Vol.2, 10-447,448

2.10 APS Programmable Data 副画面

2.10.1 APS Programmable Data副画面(1)



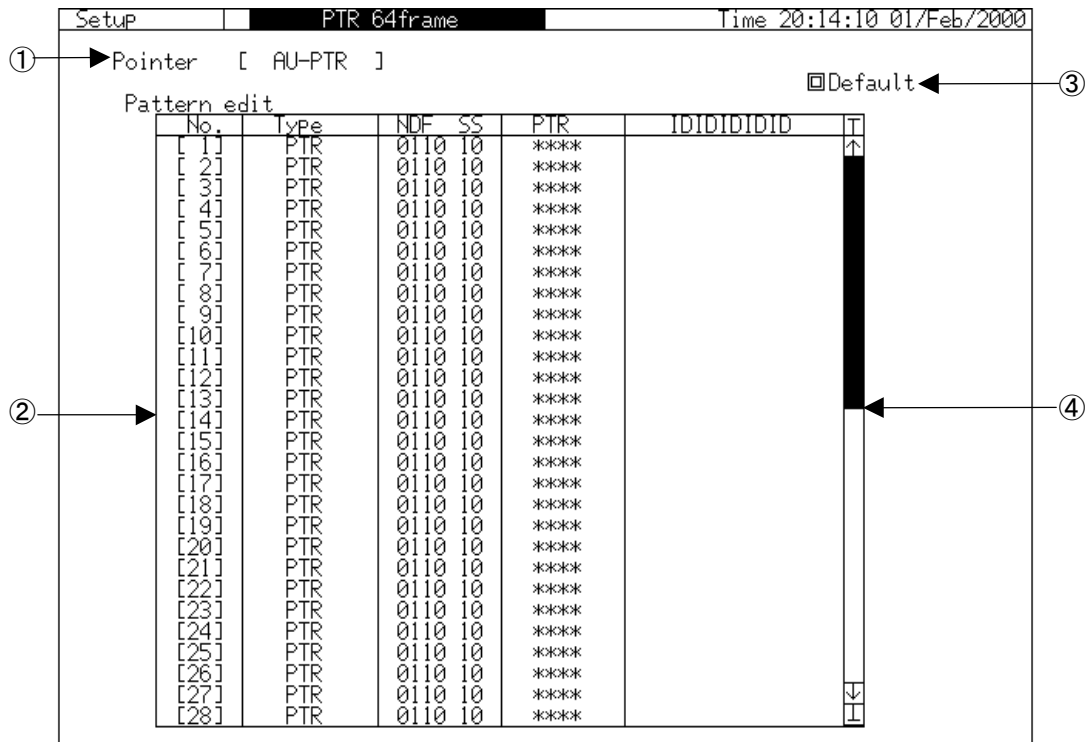
No.	Command	Page of manual
①	:SOURce:TELEcom:APRogram:MSPMessages:BRIDge :SOURce:TELEcom:APRogram:MSPMessages:BRIDge?	Vol.2, 10-101
②	:SOURce:TELEcom:APRogram:MSPMessages:CHANnel :SOURce:TELEcom:APRogram:MSPMessages:CHANnel?	Vol.2, 10-100,101
③	:SOURce:TELEcom:APRogram:MSPMessages:REQuest :SOURce:TELEcom:APRogram:MSPMessages:REQuest?	Vol.2, 10-99,100
④	:SOURce:TELEcom:APRogram:PROGram :SOURce:TELEcom:APRogram:PROGram?	Vol.2, 10-105,106
⑤	:SOURce:TELEcom:APRogram:MSPMessages:REServed :SOURce:TELEcom:APRogram:MSPMessages:REServed?	Vol.2, 10-102,103
⑥	:SOURce:TELEcom:APRogram:DEFault :SOURce:TELEcom:APRogram:CAPTured :SOURce:TELEcom:APRogram:COPY	Vol.2, 10-98
⑦	:SOURce:TELEcom:APRogram:MSPMessages:ARCHitect :SOURce:TELEcom:APRogram:MSPMessages:ARCHitect?	Vol.2, 10-102
⑧	:SOURce:TELEcom:APRogram:FRAME :SOURce:TELEcom:APRogram:FRAME?	Vol.2, 10-105
⑨	:DISPlay:SETup:APS:SCRoll	Vol.2, 10-433

2.10.2 APS Programmable Data副画面(2)

No.	K1	K2	K1 b1-b4	K1 b5-b8	K2 b1-b4	K2 b5	K2 b6-b8	Frame	T
[1]	01	10	1000	1	1	Long	Idle	1	↑
[2]	01	10	1000	1	1	Long	Idle	1	
[3]	01	10	1000	1	1	Long	Idle	1	
[4]	01	10	1000	1	1	Long	Idle	1	
[5]	01	10	1000	1	1	Long	Idle	1	
[6]	01	10	1000	1	1	Long	Idle	1	
[7]	01	10	1000	1	1	Long	Idle	1	
[8]	01	10	1000	1	1	Long	Idle	1	
[9]	01	10	1000	1	1	Long	Idle	1	
[10]	01	10	1000	1	1	Long	Idle	1	
[11]	01	10	1000	1	1	Long	Idle	1	
[12]	01	10	1000	1	1	Long	Idle	1	
[13]	01	10	1000	1	1	Long	Idle	1	
[14]	01	10	1000	1	1	Long	Idle	1	
[15]	01	10	1000	1	1	Long	Idle	1	
[16]	01	10	1000	1	1	Long	Idle	1	
[17]	01	10	1000	1	1	Long	Idle	1	
[18]	01	10	1000	1	1	Long	Idle	1	
[19]	01	10	1000	1	1	Long	Idle	1	
[20]	01	10	1000	1	1	Long	Idle	1	
[21]	01	10	1000	1	1	Long	Idle	1	
[22]	01	10	1000	1	1	Long	Idle	1	
[23]	01	10	1000	1	1	Long	Idle	1	
[24]	01	10	1000	1	1	Long	Idle	1	
[25]	01	10	1000	1	1	Long	Idle	1	
[26]	01	10	1000	1	1	Long	Idle	1	
[27]	01	10	1000	1	1	Long	Idle	1	
[28]	01	10	1000	1	1	Long	Idle	1	↓

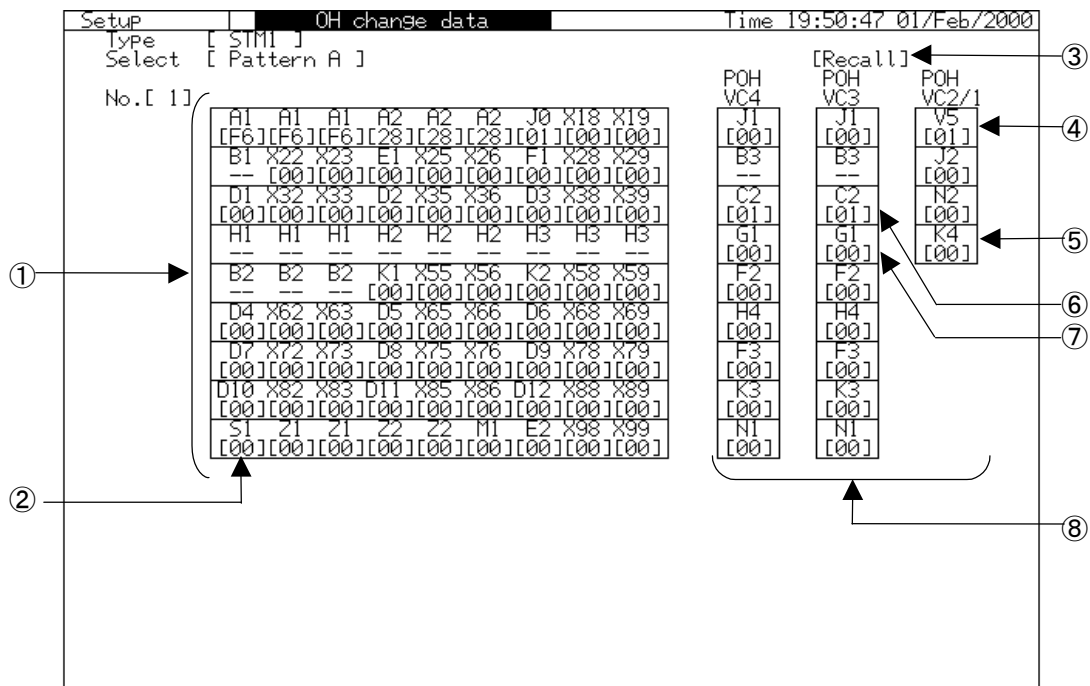
No.	Command	Page of manual
①	:SOURce:TELEcom:APRogram:MSPBits:ARCHitect :SOURce:TELEcom:APRogram:MSPBits:ARCHitect?	Vol.2, 10-104
②	:SOURce:TELEcom:APRogram:MSPBits:BRIDge :SOURce:TELEcom:APRogram:MSPBits:BRIDge?	Vol.2, 10-104
③	:SOURce:TELEcom:APRogram:MSPBits:CHANnel :SOURce:TELEcom:APRogram:MSPBits:CHANnel?	Vol.2, 10-103
④	:SOURce:TELEcom:APRogram:MSPBits:REQuest :SOURce:TELEcom:APRogram:MSPBits:REQuest?	Vol.2, 10-103
⑤	:SOURce:TELEcom:APRogram:MSPBits:REServed :SOURce:TELEcom:APRogram:MSPBits:REServed?	Vol.2, 10-104,105
⑥	:SOURce:TELEcom:APRogram:FRAME :SOURce:TELEcom:APRogram:FRAME?	Vol.2, 10-105

2.11 PTR64 frame 副画面



No.	Command	Page of manual
①	:DISPlay:PTR64:POINter :DISPlay:PTR64:POINter?	Vol.2, 10-331
②	:SOURce:PTR64:DATA :SOURce:PTR64:DATA?	Vol.2, 10-164,165
③	:SOURce:PTR64:DEFault	Vol.2, 10-165
④	:DISPlay:SETup:PTR64:SCRoll	Vol.2, 10-433

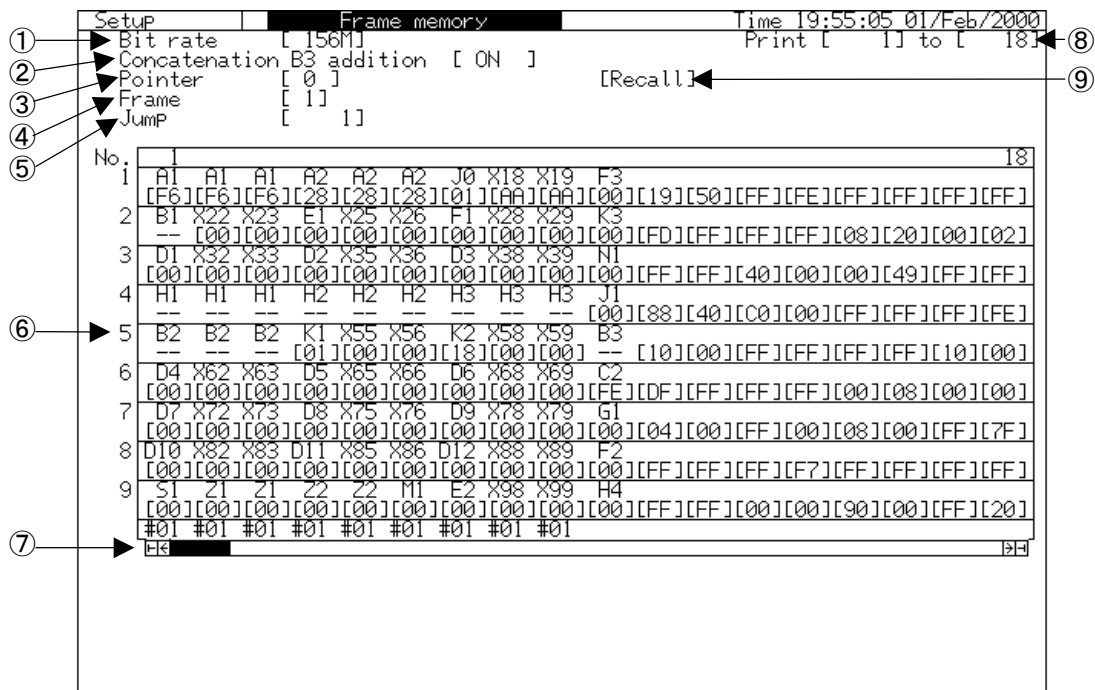
2.12 OH Change Data 副画面



No.	Command	Page of manual
①	:SOURce:TELEcom:OHCHange:SOHPattern :SOURce:TELEcom:OHCHange:SOHPattern? :SOURce:TELEcom:OHCHange:TOHPattern :SOURce:TELEcom:OHCHange:TOHPattern?	Vol.2, 10-123,124,125,126
②	:SOURce:TELEcom:OHCHange:SSMessage :SOURce:TELEcom:OHCHange:SSMessage?	Vol.2, 10-116,117
③	:SOURce:TELEcom:OHCHange:RECall:DEFAult :SOURce:TELEcom:OHCHange:RECall:PRESet	Vol.2, 10-122
④	:SOURce:TELEcom:OHCHange:VLAbel :SOURce:TELEcom:OHCHange:VLAbel?	Vol.2, 10-119
⑤	:SOURce:TELEcom:OHCHange:KLAbel :SOURce:TELEcom:OHCHange:KLAbel? :SOURce:TELEcom:OHCHange:ZLAbel :SOURce:TELEcom:OHCHange:ZLAbel?	Vol.2, 10-121,122
⑥	:SOURce:TELEcom:OHCHange:SLAbel :SOURce:TELEcom:OHCHange:SLAbel? :SOURce:TELEcom:OHCHange:PLAbel :SOURce:TELEcom:OHCHange:PLAbel?	Vol.2, 10-117,118
⑦	:SOURce:TELEcom:OHCHange:GLAbel :SOURce:TELEcom:OHCHange:GLAbel?	Vol.2, 10-120

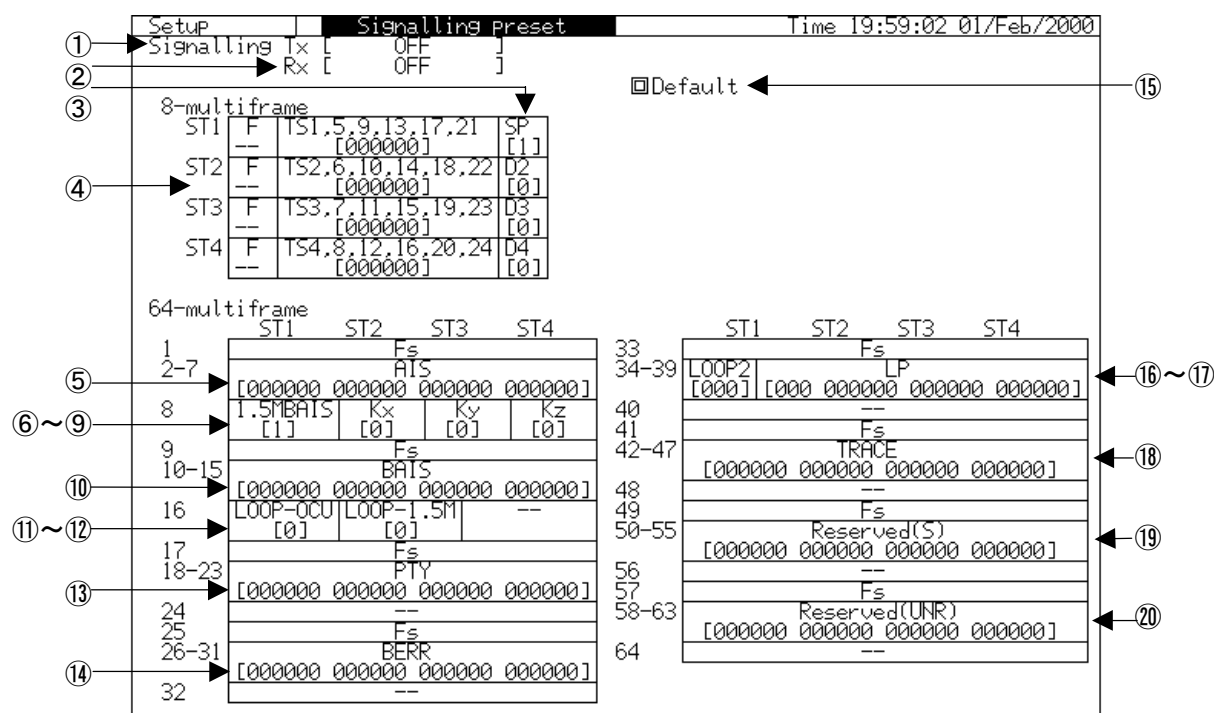
No.	Command	Page of manual
⑧	:SOURce:TELEcom:OHCHange:POHPattern :SOURce:TELEcom:OHCHange:POHPattern?	Vol.2, 10-126,127

2.13 Frame Memory 副画面



No.	Command	Page of manual
①	:SOURCE:TELEcom:FMEemory:BRATe :SOURCE:TELEcom:FMEemory:BRATe?	Vol.2, 10-137
②	:SOURCE:TELEcom:FMEemory:B3Addition :SOURCE:TELEcom:FMEemory:B3Addition?	Vol.2, 10-137,138
③	:SOURCE:TELEcom:FMEemory:POINter :SOURCE:TELEcom:FMEemory:POINter?	Vol.2, 10-138
④	:SOURCE:TELEcom:FMEemory:FRAMe :SOURCE:TELEcom:FMEemory:FRAMe?	Vol.2, 10-138,139
⑤	:DISPlay:SETup:FMEemory:JUMP :DISPlay:SETup:FMEemory:JUMP?	Vol.2, 10-433
⑥	:SOURCE:TELEcom:FMEemory:PATtern :SOURCE:TELEcom:FMEemory:PATtern?	Vol.2, 10-139
⑦	:DISPlay:SETup:FMEemory:SCRoll	Vol.2, 10-426
⑧	:SOURCE:TELEcom:FMEemory:PRINt :SOURCE:TELEcom:FMEemory:PRINt?	Vol.2, 10-140,141
⑨	:SOURCE:TELEcom:FMEemory:RECall :SOURCE:TELEcom:FMEemory:RECall?	Vol.2, 10-140

2.14 Signalling Preset 副画面



No.	Command	Page of manual
①	:SOURce:SIGPreset:TX :SOURce:SIGPreset:TX?	Vol.2, 10-156
②	:SENSe:SIGPreset:RX :SENSe:SIGPreset:RX?	Vol.2, 10-279,280
③	:SOURce:SIGPreset:MULTi8:SP :SOURce:SIGPreset:MULTi8:SP?	Vol.2, 10-157
④	:SOURce:SIGPreset:MULTi8:TS :SOURce:SIGPreset:MULTi8:TS?	Vol.2, 10-157
⑤	:SOURce:SIGPreset:MULTi64:AIS :SOURce:SIGPreset:MULTi64:AIS?	Vol.2, 10-158
⑥	:SOURce:SIGPreset:MULTi64:M15Bais :SOURce:SIGPreset:MULTi64:M15Bais?	Vol.2, 10-162
⑦	:SOURce:SIGPreset:MULTi64:KX :SOURce:SIGPreset:MULTi64:KX?	Vol.2, 10-162
⑧	:SOURce:SIGPreset:MULTi64:KY :SOURce:SIGPreset:MULTi64:KY?	Vol.2, 10-162,163
⑨	:SOURce:SIGPreset:MULTi64:KZ :SOURce:SIGPreset:MULTi64:KZ?	Vol.2, 10-163

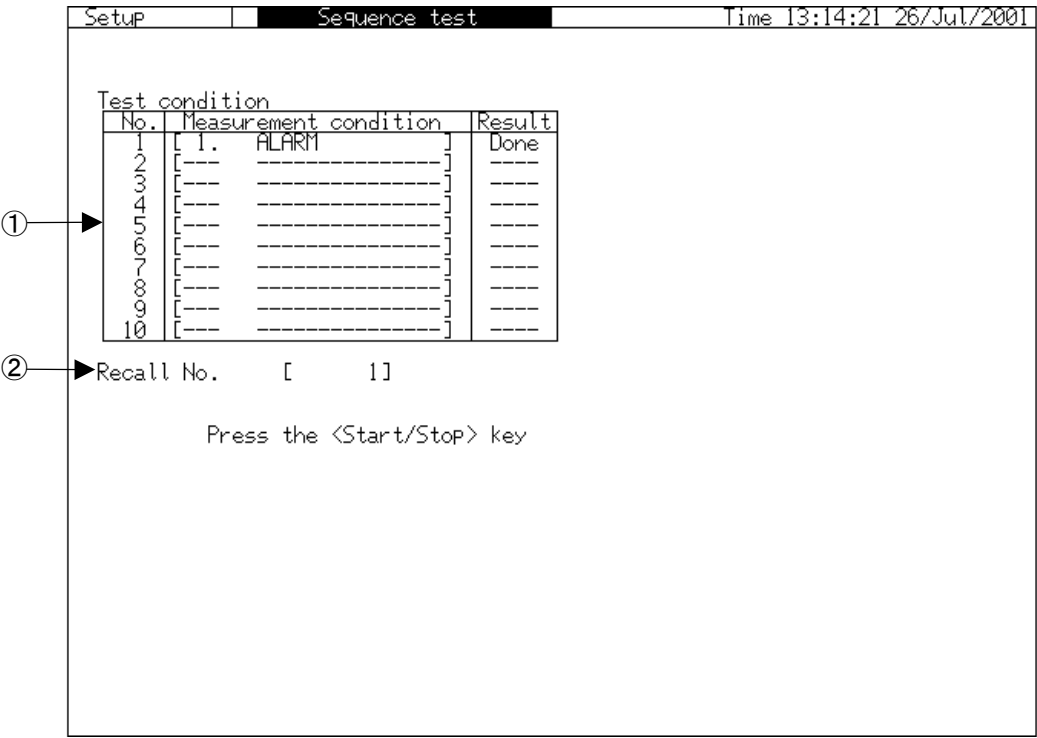
No.	Command	Page of manual
⑩	:SOURce:SIGPreset:MULTi64:AIS :SOURce:SIGPreset:MULTi64:AIS?	Vol.2, 10-158
⑪	:SOURce:SIGPreset:MULTi64:OCULoop :SOURce:SIGPreset:MULTi64:OCULoop?	Vol.2, 10-163
⑫	:SOURce:SIGPreset:MULTi64:M15Loop :SOURce:SIGPreset:MULTi64:M15Loop?	Vol.2, 10-164
⑬	:SOURce:SIGPreset:MULTi64:PTY :SOURce:SIGPreset:MULTi64:PTY?	Vol.2, 10-158,159
⑭	:SOURce:SIGPreset:MULTi64:BERR :SOURce:SIGPreset:MULTi64:BERR?	Vol.2, 10-159
⑮	:SOURce:SIGPreset:DEFAult	Vol.2, 10-164
⑯	:SOURce:SIGPreset:MULTi64:LOOP2 :SOURce:SIGPreset:MULTi64:LOOP2?	Vol.2, 10-161
⑰	:SOURce:SIGPreset:MULTi64:LP :SOURce:SIGPreset:MULTi64:LP?	Vol.2, 10-161
⑱	:SOURce:SIGPreset:MULTi64:TRACe :SOURce:SIGPreset:MULTi64:TRACe?	Vol.2, 10-159,160
⑲	:SOURce:SIGPreset:MULTi64:S :SOURce:SIGPreset:MULTi64:S?	Vol.2, 10-160
⑳	:SOURce:SIGPreset:MULTi64:UNR :SOURce:SIGPreset:MULTi64:UNR?	Vol.2, 10-160,161

2.15 Custom Function 副画面

Setup	Custom function	Time 18:08:15 01/Feb/2000
① → Coupled MP1656A	[ON]	
② → RDI Detection/Remove VC4-Xc/VC4/VC3	[G1(b5-7)]	
③ → VC2/VC1	[K4(b5-7)]	
④ → Measurement Pause button	[Disable]	

No.	Command	Page of manual
①	:SYSTem:COUPled:M1656 :SYSTem:COUPled:M1656?	Vol.2, 10-521
②	:SYSTem:RDI:VC43 :SYSTem:RDI:VC43? :SYSTem:RDI:STS :SYSTem:RDI:STS?	Vol.2, 10-516,517
③	:SYSTem:RDI:VC21 :SYSTem:RDI:VC21? :SYSTem:RDI:VT :SYSTem:RDI:VT?	Vol.2, 10-517,518
④	:SYSTem:MPAuse :SYSTem:MPAuse?	Vol.2, 10-518

2.16 Sequence Test 副画面



No.	Command	Page of manual
①	:SYSTem:SEQuence:SET :SYSTem:SEQuence:SET?	Vol.2, 10-518,519
②	:SYSTem:SEQuence:RECall :SYSTem:SEQuence:RECall?	Vol.2, 10-519

2.17 Auto Setup 副画面

Setup

Auto setup

[Tx&Rx]

Time 20:18:19 01/Feb/2000

Meas. mode[In-service] ◀

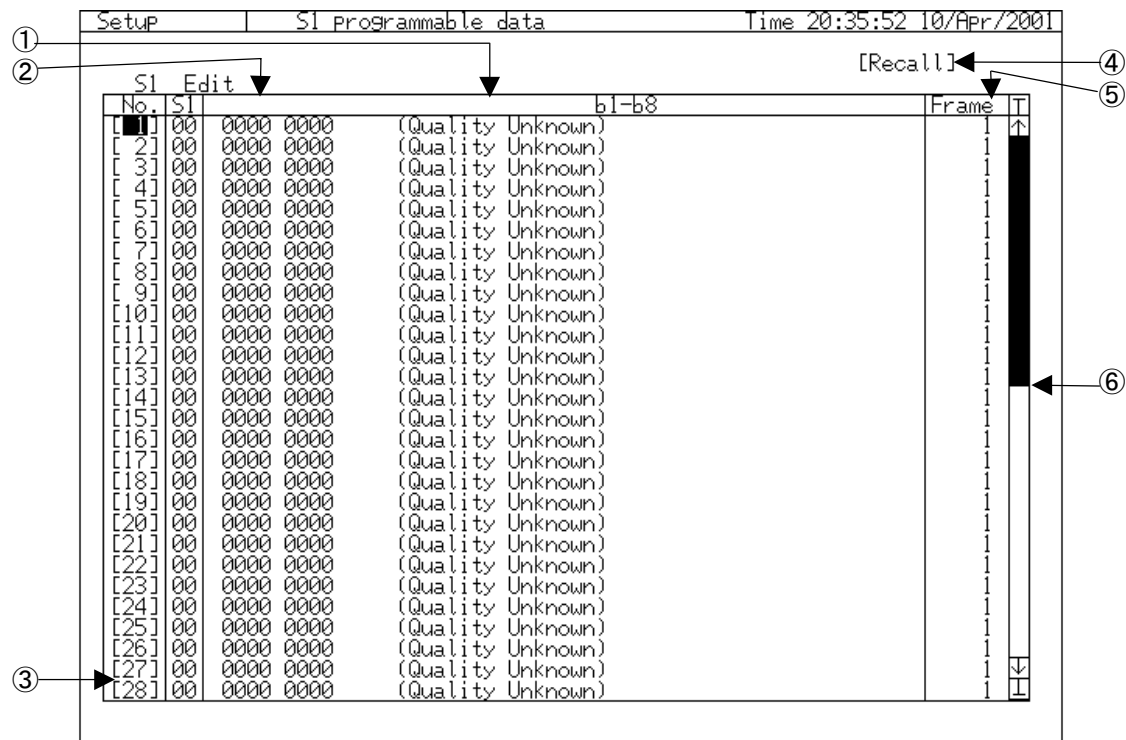
Press the <Start/Stop> key.

Status

Incoming signal type

No.	Command	Page of manual
①	:SENSe:TELEcom:MMODE :SENSe:TELEcom:MMODE?	Vol.2, 253,254

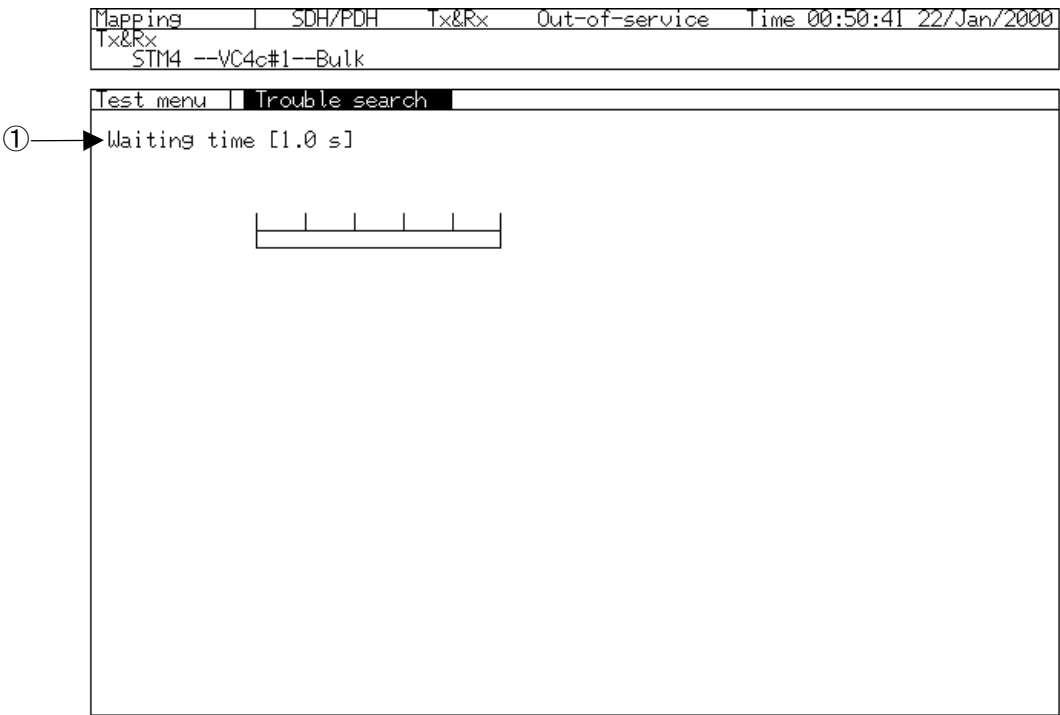
2.18 S1 Programmable Data 副画面



No.	Command	Page of manual
①	:SOURce:TELEcom:SPRogram:SSMessages:REQuest :SOURce:TELEcom:SPRogram:SSMessages:REQuest?	Vol.2, 10-152,153
②	:SOURce:TELEcom:SPRogram:SSBits:REQuest :SOURce:TELEcom:SPRogram:SSBits:REQuest?	Vol.2, 10-154
③	:SOURce:TELEcom:SPRogram:PROGram :SOURce:TELEcom:SPRogram:PROGram?	Vol.2, 10-155,156
④	:SOURce:TELEcom:SPRogram:DEFault :SOURce:TELEcom:SPRogram:COPY	Vol.2, 10-151,152
⑤	:SOURce:TELEcom:SPRogram:FRAMe :SOURce:TELEcom:SPRogram:FRAMe?	Vol.2, 10-155
⑥	:DISPlay:SETup:SPR:SCRoll	Vol.2, 10-434

3.1	Trouble Search 副画面	3-2
3.2	Manual 副画面	3-3
3.2.1	Manual 副画面(1)	3-3
3.2.2	Manual 副画面(2)	3-6
3.2.3	Manual 副画面(3)	3-7
3.2.4	Manual 副画面(4)	3-8
3.3	Pointer Sequence 副画面	3-9
3.3.1	Pointer Sequence 副画面(1)	3-9
3.3.2	Pointer Sequence 副画面(2)	3-10
3.3.3	Pointer Sequence 副画面(3)	3-11
3.3.4	Pointer Sequence 副画面(4)	3-12
3.3.5	Pointer Sequence 副画面(5)	3-13
3.4	Delay 副画面	3-14
3.5	OH Test 副画面	3-15
3.5.1	OH Test 副画面(1)	3-15
3.5.2	OH Test 副画面(2)	3-17
3.5.3	OH Test 副画面(3)	3-19
3.5.4	OH Test 副画面(4)	3-20
3.6	APS Test 副画面	3-22
3.7	Performance Check 副画面	3-24
3.8	Frame Memory 副画面	3-25

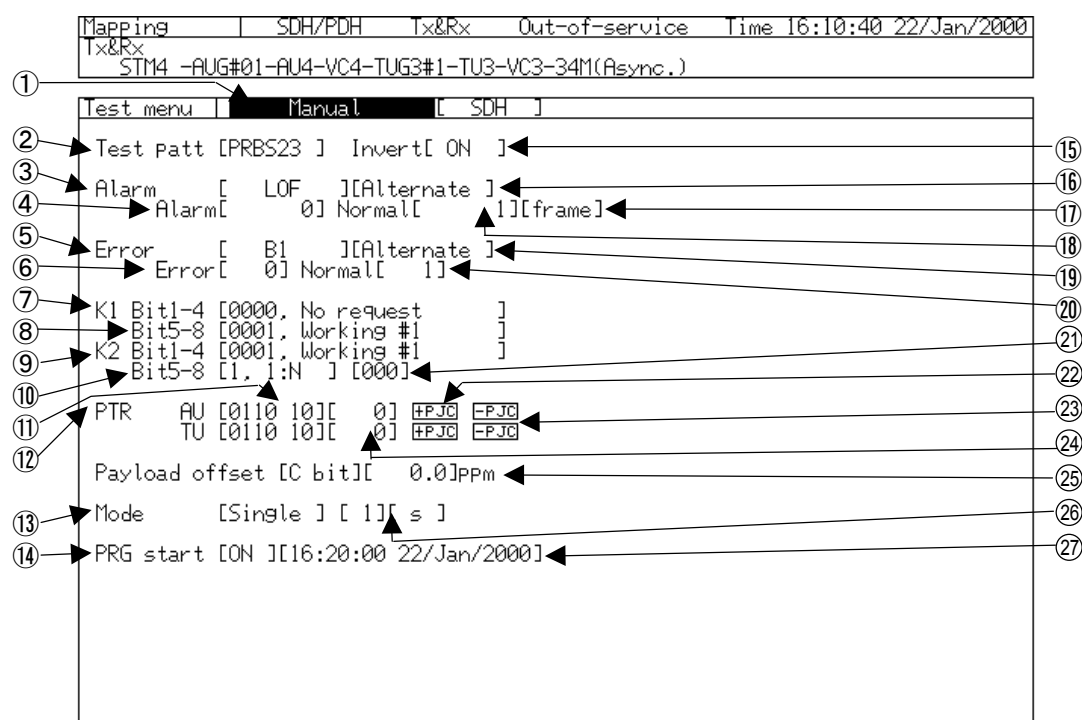
3.1 Trouble Search 副画面



No.	Command	Page of manual
①	:SENSe:MEASure:TSEarch:WTime :SENSe:MEASure:TSEarch:WTime?	Vol.2, 10-264

3.2 Manual 副画面

3.2.1 Manual副画面(1)



No.	Command	Page of manual
①	:DISPlay:TMENu[:NAME]?	Vol.2, 10-321
②	:SENSE:TELEcom:PATtern[:TYPE] :SENSE:TELEcom:PATtern[:TYPE]?	Vol.2, 10-250,251
③	:SOURce:TELEcom:ALARm:TYPE :SOURce:TELEcom:ALARm:TYPE?	Vol.2, 10-65,67
④	:SOURce:TELEcom:ALARm:TIMing:ALARm :SOURce:TELEcom:ALARm:TIMing:ALARm?	Vol.2, 10-69,70
⑤	:SOURce:TELEcom:ERRor:TYPE :SOURce:TELEcom:ERRor:TYPE?	Vol.2, 10-71,72
⑥	:SOURce:TELEcom:ERRor:TIMing:ERRor :SOURce:TELEcom:ERRor:TIMing:ERRor?	Vol.2, 10-77
⑦	:SOURce:TELEcom:MSPMessages:REQuest :SOURce:TELEcom:MSPMessages:REQuest? :SOURce:TELEcom:MSPBits:REQuest :SOURce:TELEcom:MSPBits:REQuest?	Vol.2, 10-141,142 Vol.2, 10-145

No.	Command	Page of manual
⑧	:SOURce:TELEcom:MSPMessages:CHANnel :SOURce:TELEcom:MSPMessages:CHANnel? :SOURce:TELEcom:MSPBits:CHANnel :SOURce:TELEcom:MSPBits:CHANnel?	Vol.2, 10-142,143 Vol.2, 10-146
⑨	:SOURce:TELEcom:MSPMessages:BRIDge :SOURce:TELEcom:MSPMessages:BRIDge? :SOURce:TELEcom:MSPBits:BRIDge :SOURce:TELEcom:MSPBits:BRIDge?	Vol.2, 10-143,144 Vol.2, 10-146
⑩	:SOURce:TELEcom:MSPMessages:ARCHitect :SOURce:TELEcom:MSPMessages:ARCHitect? :SOURce:TELEcom:MSPBits:ARCHitect :SOURce:TELEcom:MSPBits:ARCHitect?	Vol.2, 10-144 Vol.2, 10-147
⑪	:SOURce:TELEcom:PSETting:SSSet :SOURce:TELEcom:PSETting:SSSet?	Vol.2, 10-148,149
⑫	:SOURce:TELEcom:PSETting:NDFSet :SOURce:TELEcom:PSETting:NDFSet?	Vol.2, 10-148
⑬	:SENSe:MEASure:TYPE :SENSe:MEASure:TYPE?	Vol.2, 10-260
⑭	:SENSe:MEASure:BTIMe:SET :SENSe:MEASure:BTIMe:SET?	Vol.2, 10-261
⑮	:SENSe:TELEcom:INVert :SENSe:TELEcom:INVert?	Vol.2, 10-252
⑯	:SOURce:TELEcom:ALARm:TIMing:TYPE :SOURce:TELEcom:ALARm:TIMing:TYPE?	Vol.2, 10-68
⑰	:SOURce:TELEcom:ALARm:TIMing:ALTErnate :SOURce:TELEcom:ALARm:TIMing:ALTErnate?	Vol.2, 10-70
⑱	:SOURce:TELEcom:ALARm:TIMing:NORMal :SOURce:TELEcom:ALARm:TIMing:NORMal?	Vol.2,10-70
⑲	:SOURce:TELEcom:ERRor:ERATe :SOURce:TELEcom:ERRor:ERATe? :SOURce:TELEcom:ERRor:TIMing:TYPE :SOURce:TELEcom:ERRor:TIMing:TYPE?	Vol.2, 10-73,74 Vol.2, 10-75,76
⑳	:SOURce:TELEcom:ERRor:TIMing:NORMal :SOURce:TELEcom:ERRor:TIMing:NORMal?	Vol.2, 10-77

No.	Command	Page of manual
②①	:SOURce:TELEcom:MSPMessages:REServed	Vol.2, 10-144,145
	:SOURce:TELEcom:MSPMessages:REServed?	
	:SOURce:TELEcom:MSPBits:REServed	Vol.2, 10-147
	:SOURce:TELEcom:MSPBits:REServed?	
②②	:SOURce:TELEcom:PSETting:PPJC	Vol.2, 10-150
②③	:SOURce:TELEcom:PSETting:NPJC	Vol.2, 10-150
②④	:SOURce:TELEcom:PSETting:IDSet	Vol.2, 10-149,150
	:SOURce:TELEcom:PSETting:IDSet?	
②⑤	:SOURce:TELEcom:POFFset	Vol.2, 10-151
	:SOURce:TELEcom:POFFset?	
②⑥	:SENSe:MEASure:TYPE	Vol.2, 10-260
	:SENSe:MEASure:TYPE?	
②⑦	:SENSe:MEASure:BTIMe:STARt	Vol.2, 10-261,262
	:SENSe:MEASure:BTIMe:STARt?	

3.2.2 Manual副画面(2)

Mapping | SDH/PDH | Tx&Rx | Out-of-service | Time 00:19:36 23/Jan/2000

Tx&Rx

STM4 -AUG#01-AU4-VC4-139M(Async.)

Test menu | Manual | SDH

Test patt [PRBS23] Invert[ON]

① Alarm [MS-AIS] [Burst]

[] [frame]

② Error [B1] [Burst]

Bit [1]

K1 Bit1-4 [0000, No request]

Bit5-8 [0001, Working #1]

K2 Bit1-4 [0001, Working #1]

Bit5-8 [1, 1:N] [000]

PTR AU [0110 10] [0] ~~FJC~~ ~~FJC~~

Payload offset [C bit] [0.0]ppm

Mode [Repeat] [1] s]

PRG start [OFF]

No.	Command	Page of manual
①	:SOURce:TELEcom:ALARm:TIMing:BURSt :SOURce:TELEcom:ALARm:TIMing:BURSt?	Vol.2, 10-69
②	:SOURce:TELEcom:ERRor:TIMing:BURSt:BIT :SOURce:TELEcom:ERRor:TIMing:BURSt:BIT?	Vol.2, 10-76

3.2.3 Manual副画面(3)

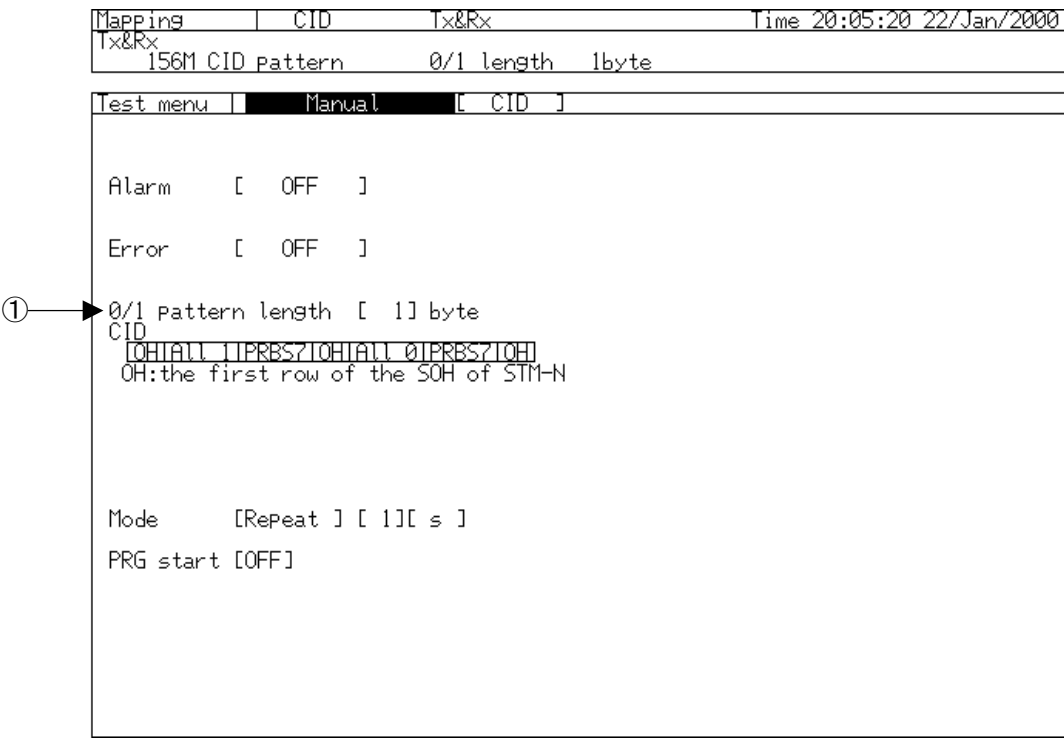
Mapping | SDH/PDH Tx&Rx Out-of-service Time 00:21:17 23/Jan/2000
Tx&Rx
STM4 -AUG#01-AU4-VC4-139M(Async.)

Test menu | Manual | SDH

Test patt [PRBS23] Invert[ON]
Alarm [MS-AIS][Burst]
[1][frame]
Error [B1] [Prog. rate]
① [1.0E-10]
K1 Bit1-4 [0000, No request]
Bit5-8 [0001, Working #1]
K2 Bit1-4 [0001, Working #1]
Bit5-8 [1, 1:N] [000]
PTR AU [0110 10][0] ~~FPJC~~ ~~CPJC~~
Payload offset [C bit][0.0]ppm
Mode [Repeat] [1][s]
PRG start [OFF]

No.	Command	Page of manual
①	:SOURce:TELEcom:ERRor:TIMing:PROGrate :SOURce:TELEcom:ERRor:TIMing:PROGrate?	Vol.2, 10-76,77

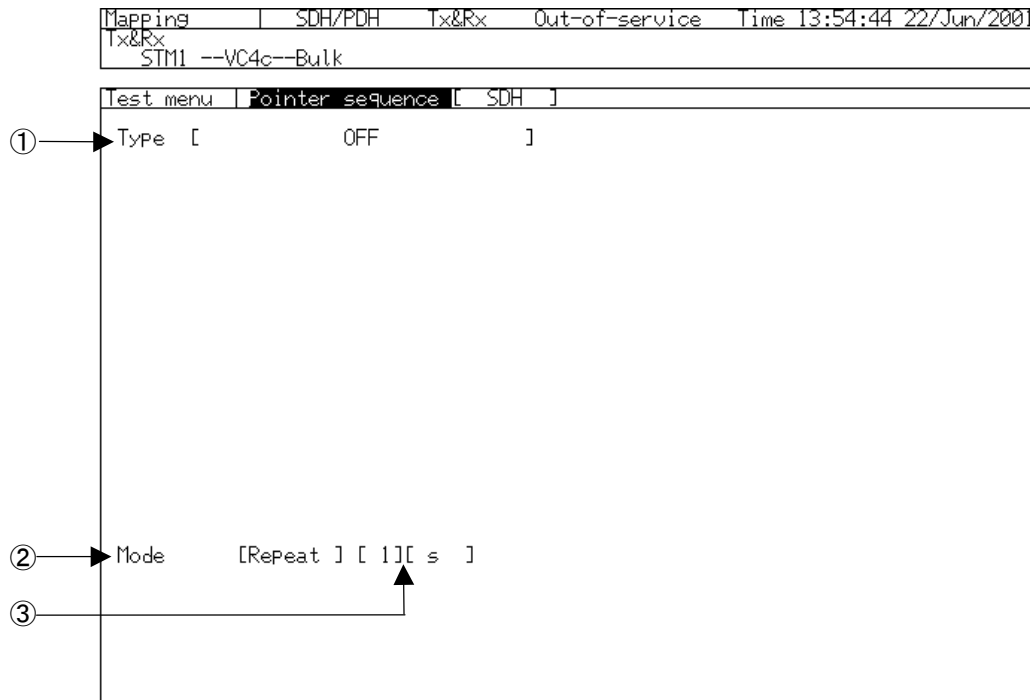
3.2.4 Manual副画面(4)



No.	Command	Page of manual
①	:SENSE:TELEcom:CIDPattern :SENSE:TELEcom:CIDPattern?	Vol.2, 10-253

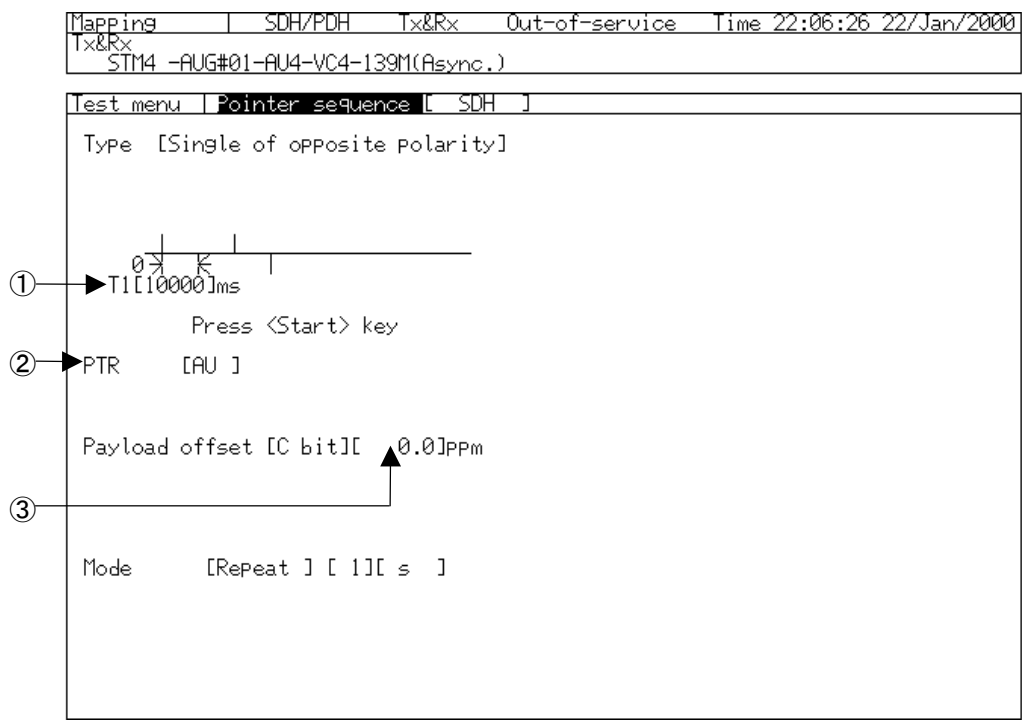
3.3 Pointer Sequence 副画面

3.3.1 Pointer Sequence副画面(1)



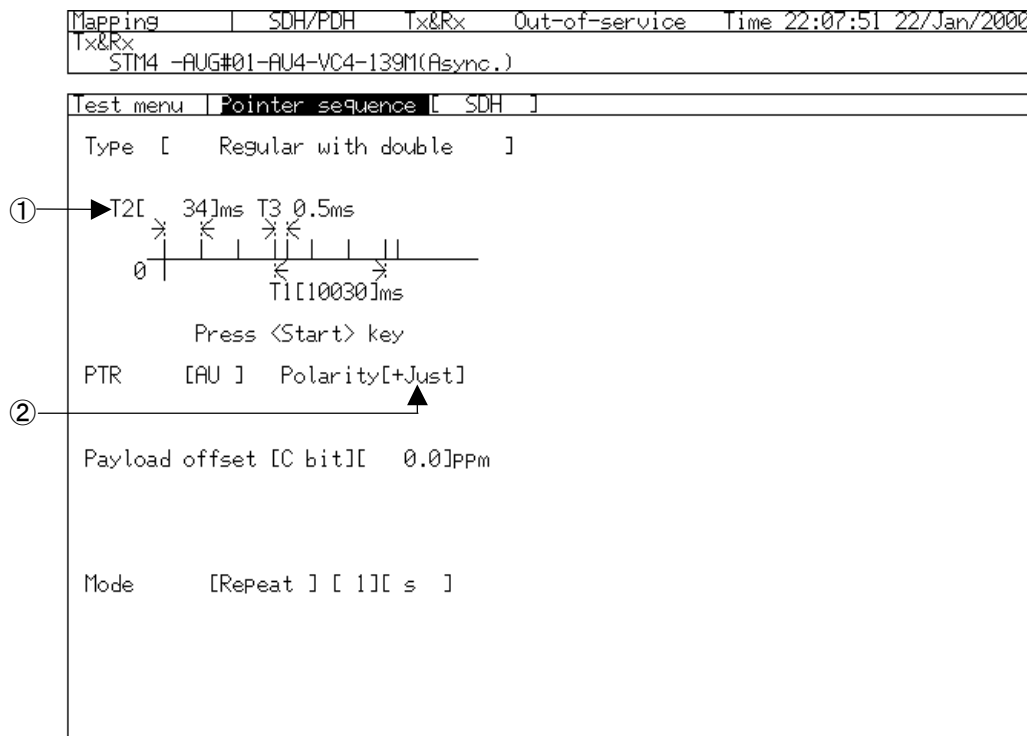
No.	Command	Page of manual
①	:SOURce:TELEcom:PSEQuence:TYPE :SOURce:TELEcom:PSEQuence:TYPE?	Vol.2, 10-78,79
②	:SENSE:MEASure:TYPE :SENSE:MEASure:TYPE?	Vol.2, 10-260
③	:SENSE:MEASure:PERiod :SENSE:MEASure:PERiod?	Vol.2, 10-260

3.3.2 Pointer Sequence副画面(2)



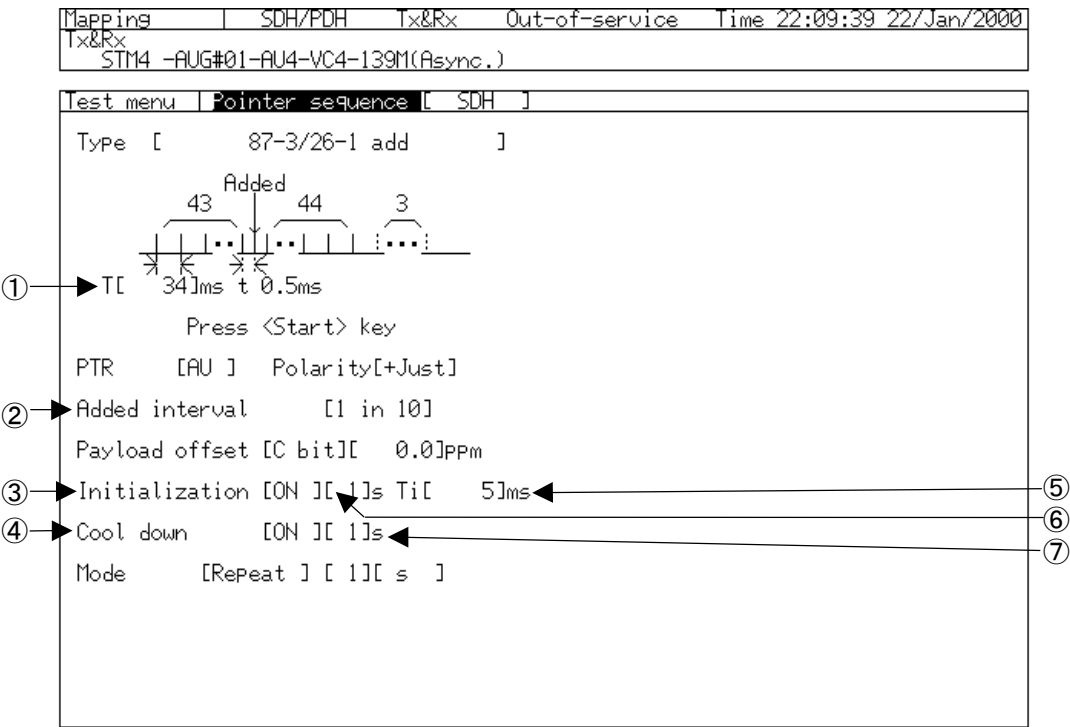
No.	Command	Page of manual
①	:SOURce:TELEcom:PSEQUence:TIMing:T1 :SOURce:TELEcom:PSEQUence:TIMing:T1?	Vol.2, 10-80,81
②	:SOURce:TELEcom:PSEQUence:POINter :SOURce:TELEcom:PSEQUence:POINter?	Vol.2, 10-79,80
③	:SOURce:TELEcom:PSEQUence:POFFset :SOURce:TELEcom:PSEQUence:POFFset?	Vol.2, 10-84

3.3.3 Pointer Sequence副画面(3)



No.	Command	Page of manual
①	:SOURce:TELEcom:PSEquence:TIMing:T2 :SOURce:TELEcom:PSEquence:TIMing:T2?	Vol.2, 10-81,82
②	:SOURce:TELEcom:PSEquence:POLarity :SOURce:TELEcom:PSEquence:POLarity?	Vol.2, 10-80

3.3.4 Pointer Sequence副画面(4)



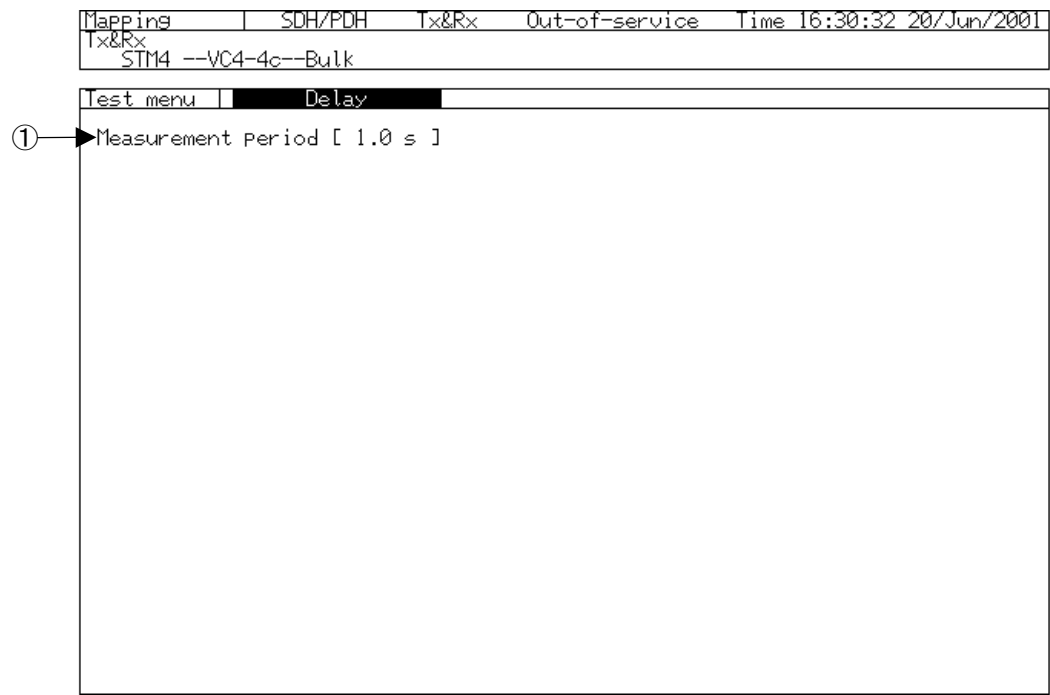
No.	Command	Page of manual
①	:SOURce:TELEcom:PSEquence:TIMing:T :SOURce:TELEcom:PSEquence:TIMing:T?	Vol.2, 10-82
②	:SOURce:TELEcom:PSEquence:AINterval :SOURce:TELEcom:PSEquence:AINterval?	Vol.2, 10-82,83
③	:SOURce:TELEcom:PSEquence:INItial:MODE :SOURce:TELEcom:PSEquence:INItial:MODE?	Vol.2, 10-84,85
④	:SOURce:TELEcom:PSEquence:CDOWn:MODE :SOURce:TELEcom:PSEquence:CDOWn:MODE?	Vol.2, 10-86
⑤	:SOURce:TELEcom:PSEquence:INItial:TI :SOURce:TELEcom:PSEquence:INItial:TI?	Vol.2, 10-85
⑥	:SOURce:TELEcom:PSEquence:INItial:TIME :SOURce:TELEcom:PSEquence:INItial:TIME?	Vol.2, 10-85
⑦	:SOURce:TELEcom:PSEquence:CDOWn:TIME :SOURce:TELEcom:PSEquence:CDOWn:TIME?	Vol.2, 10-86,87

3.3.5 Pointer Sequence副画面(5)

Mapping	SDH/PDH	Tx&Rx	Out-of-service	Time 22:12:55 22/Jan/2000
Tx&Rx STM4 -AUG#01-AU4-VC4-139M(Async.)				
Test menu Pointer sequence SDH				
Type [87-3/26-1 cancel]				
Press <Start> key				
PTR [AU] Polarity[-Just]				
①	Cancelled interval [1 in 10]			
Payload offset [C bit][-100.0]ppm				
Initialization [ON][1]s Ti[5]ms				
Cool down [ON][1]s				
Mode [Repeat] [1][s]				

No.	Command	Page of manual
①	:SOURce:TELEcom:PSEQUence:CINTerval :SOURce:TELEcom:PSEQUence:CINTerval?	Vol.2, 10-83,84

3.4 Delay 副画面



No.	Command	Page of manual
①	:SENSe:MEASure:DELAy:PERiod :SENSe:MEASure:DELAy:PERiod?	Vol.2, 10-264

3.5 OH Test 副画面

3.5.1 OH Test副画面(1)

Mapping | SDH/PDH | Tx&Rx | Out-of-service | Time 18:23:55 21/Jan/2000
Tx&Rx
STM4 --VC4c#1--Bulk

Test menu | OH test

① → Type [OH change]

OH change ☒ [SOH 1byte] [A1] #[1] ← ⑥

② → Sequence

③ → A 1 to [1]frame [1]times ← ⑦

④ → B 1 to [1]frame [1]times ← ⑧

⑤ → Mode [Repeat] [1][s] ← ⑩

⑪

No.	Command	Page of manual
①	:SOURCE:OHTest:TYPE :SOURCE:OHTest:TYPE?	Vol.2, 10-182
②	:SOURCE:OHTest:START :SOURCE:OHTest:STATe? :SOURCE:OHTest:STOP	Vol.2, 10-182,183
③	:SOURCE:OHTest:OHCHange:SEQuence:A:FRAME :SOURCE:OHTest:OHCHange:SEQuence:A:FRAME?	Vol.2, 10-187
④	:SOURCE:OHTest:OHCHange:SEQuence:B:FRAME :SOURCE:OHTest:OHCHange:SEQuence:B:FRAME?	Vol.2, 10-187,188
⑤	:SENSE:OHTest:MEASure:TYPE :SENSE:OHTest:MEASure:TYPE?	Vol.2,10-288,289
⑥	:SOURCE:OHTest:OHCHange:CHANel :SOURCE:OHTest:OHCHange:CHANel?	Vol.2, 10-186

No.	Command	Page of manual
⑦	:SOURce:OHTest:OHCHange:POSition:SOH	Vol.2, 10-184,185
	:SOURce:OHTest:OHCHange:POSition:SOH?	
	:SOURce:OHTest:OHCHange:POSition:TOH	Vol.2, 10-184,185
	:SOURce:OHTest:OHCHange:POSition:TOH?	
	:SOURce:OHTest:OHCHange:POSition:POH	Vol.2, 10-185,186
	:SOURce:OHTest:OHCHange:POSition:POH?	
⑧	:SOURce:OHTest:OHCHange:TYPE	Vol.2, 10-183,184
	:SOURce:OHTest:OHCHange:TYPE?	
⑨	:SOURce:OHTest:OHCHange:SEQuence:A:TIME	Vol.2, 10-187
	:SOURce:OHTest:OHCHange:SEQuence:A:TIME?	
⑩	:SOURce:OHTest:OHCHange:SEQuence:B:TIME	Vol.2, 10-188
	:SOURce:OHTest:OHCHange:SEQuence:B:TIME?	
⑪	:SENSe:OHTest:MEASure:PERiod	Vol.2, 10-289
	:SENSe:OHTest:MEASure:PERiod?	

3.5.2 OH Test副画面(2)

Mapping	SDH/PDH	Tx&Rx	Out-of-service	Time 18:12:51 21/Jan/2000
Tx&Rx STM4 --VC4c#1--Bulk				

Test menu	OH test
Type	[OH BERT]
① → Pattern	[PRBS11]
② → Tx	[SOH 1byte][A11] #[1] ← ④
③ → Rx	[SOH 1byte][A11] #[1] ← ⑤
	← ⑥
	← ⑦
Mode	[Repeat] [1] [s]

No.	Command	Page of manual
①	:SENSe:OHTest:OHBert:PATtern :SENSe:OHTest:OHBert:PATtern?	Vol.2, 10-281
②	:SOURce:OHTest:OHBert:TYPE :SOURce:OHTest:OHBert:TYPE?	Vol.2, 10-188,189
③	:SENSe:OHTest:OHBert:TYPE :SENSe:OHTest:OHBert:TYPE?	Vol.2, 10-280
④	:SOURce:OHTest:OHBert:CHANel :SOURce:OHTest:OHBert:CHANel?	Vol.2, 10-191
⑤	:SOURce:OHTest:OHBert:POSition:SOH :SOURce:OHTest:OHBert:POSition:SOH? :SOURce:OHTest:OHBert:POSition:TOH :SOURce:OHTest:OHBert:POSition:TOH? :SOURce:OHTest:OHBert:POSition:POH :SOURce:OHTest:OHBert:POSition:POH?	Vol.2, 10-189,190 Vol.2, 10-189,190 Vol.2, 10-190,191
⑥	:SENSe:OHTest:OHBert:CHANel :SENSe:OHTest:OHBert:CHANel?	Vol.2, 10-284,285

No.	Command	Page of manual
⑦	:SENSe:OHTest:OHBert:POStion:SOH	Vol.2, 10-282,283
	:SENSe:OHTest:OHBert:POStion:SOH?	
	:SENSe:OHTest:OHBert:POStion:TOH	Vol.2, 10-282,283
	:SENSe:OHTest:OHBert:POStion:TOH?	
	:SENSe:OHTest:OHBert:POStion:POH	Vol.2, 10-283,284
	:SENSe:OHTest:OHBert:POStion:POH?	

3.5.3 OH Test副画面(3)

MappingSDH/PDH Tx&Rx Out-of-service Time 18:14:49 21/Jan/2000

Tx&RxSTM4 --VC4c#1--Bulk

Test menuOH test

TypePTR 64frame

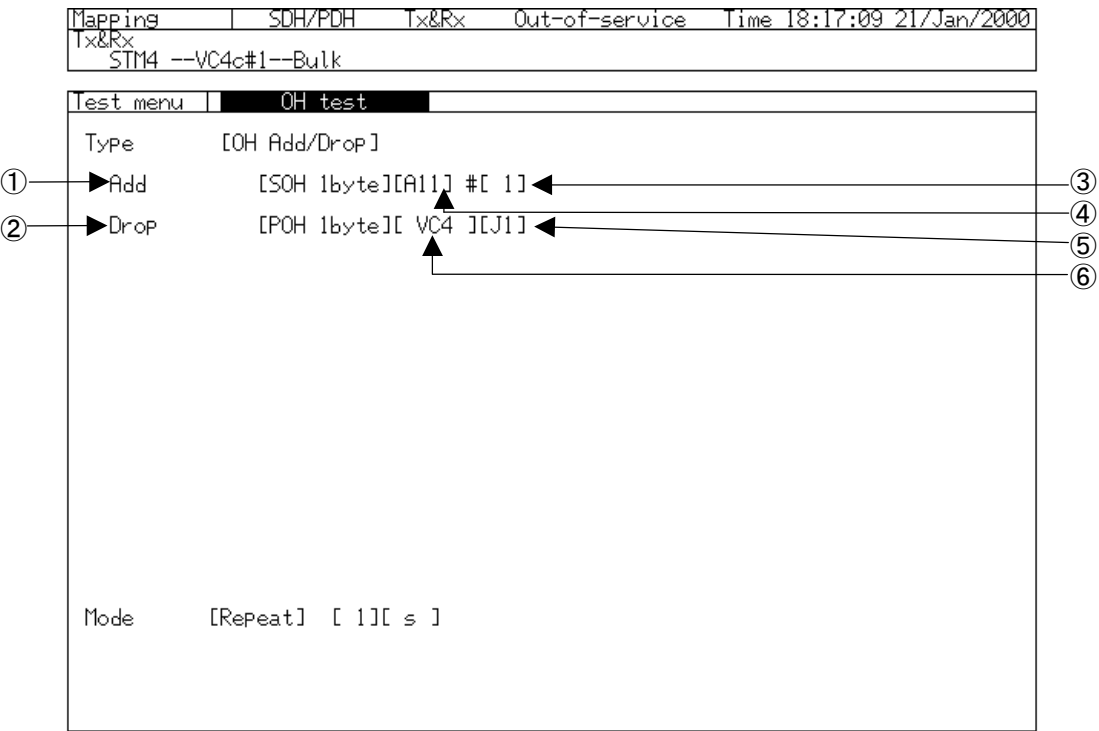
①PTRAU

②Sequence1 to 1frameSingle③④

ModeRepeat1s

No.	Command	Page of manual
①	:SOURce:OHTest:PTR64:PTR :SOURce:OHTest:PTR64:PTR?	Vol.2, 10-196
②	:SOURce:OHTest:STARt :SOURce:OHTest:STATe? :SOURce:OHTest:STOP	Vol.2, 10-182,183
③	:SOURce:OHTest:PTR64:SEQUence:MODE :SOURce:OHTest:PTR64:SEQUence:MODE?	Vol.2, 10-195,196
④	:SOURce:OHTest:PTR64:SEQUence:FRAME :SOURce:OHTest:PTR64:SEQUence:FRAME?	Vol.2, 10-195

3.5.4 OH Test副画面(4)



No.	Command	Page of manual
①	:SOURce:OHTest:ADROp:TYPE :SOURce:OHTest:ADROp:TYPE?	Vol.2, 10-192
②	:SENSe:OHTest:ADROp:TYPE :SENSe:OHTest:ADROp:TYPE?	Vol.2, 10-285
③	:SOURce:OHTest:ADROp:CHANel :SOURce:OHTest:ADROp:CHANel?	Vol.2, 10-194,195
④	:SOURce:OHTest:ADROp:POSition:SOH :SOURce:OHTest:ADROp:POSition:SOH? :SOURce:OHTest:ADROp:POSition:TOH :SOURce:OHTest:ADROp:POSition:TOH? :SOURce:OHTest:ADROp:POSition:POH :SOURce:OHTest:ADROp:POSition:POH?	Vol.2, 10-192,193 Vol.2, 10-192,193 Vol.2, 10-193,194
⑤	:SENSe:OHTest:ADROp:CHANel :SENSe:OHTest:ADROp:CHANel?	Vol.2, 10-288

No.	Command	Page of manual
⑥	:SENSe:OHTest:ADROP:POSition:SOH	Vol.2, 10-286
	:SENSe:OHTest:ADROP:POSition:SOH?	
	:SENSe:OHTest:ADROP:POSition:TOH	
	:SENSe:OHTest:ADROP:POSition:SOH?	
	:SENSe:OHTest:ADROP:POSition:POH	Vol.2, 10-287,288
	:SENSe:OHTest:ADROP:POSition:POH?	

3.6 APS Test 副画面

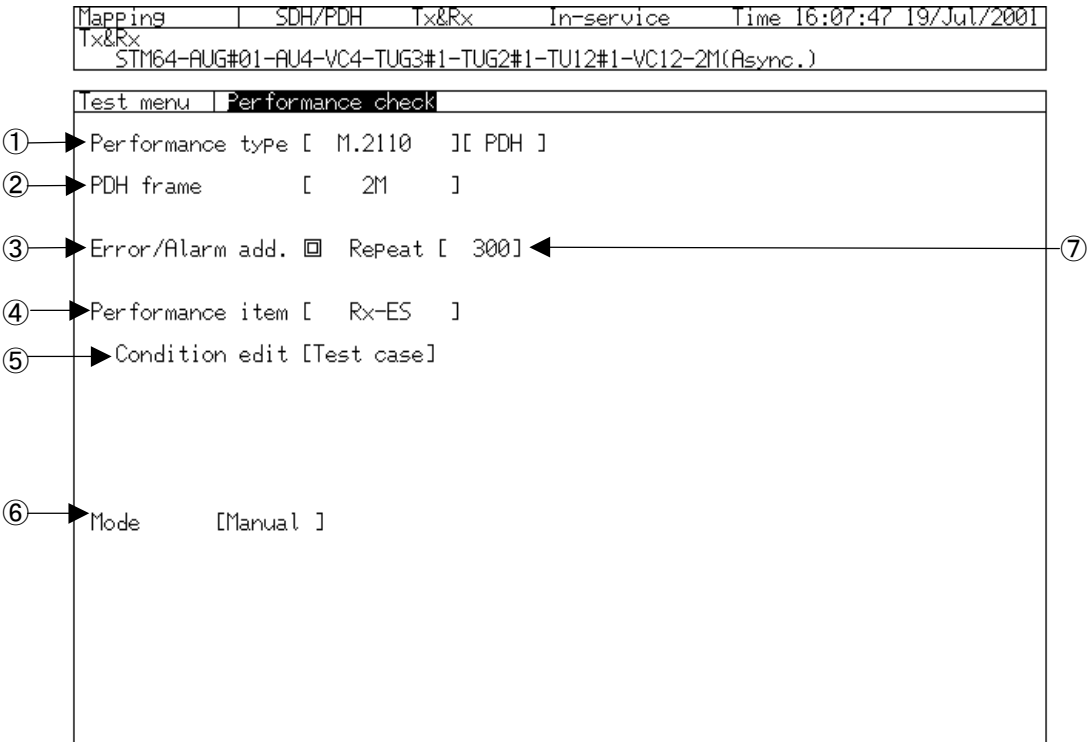
Mapping		SDH/PDH	Tx&Rx	Out-of-service	Time 22:06:02 21/Jan/2000
Tx&Rx		STM4 --VC4c#1--Bulk			

Test menu		APS test	
①	▶ Sequence	1 to [1]	[Single] ☐
②	▶ Alarm	[HP-UNEQ]	[Alternate] ☐
③	▶ Alarm	[0]	Normal [1] [frame]
④	▶ Error	[B1]	[Alternate] ☐
⑤	▶ Error	[0]	Normal [1]
⑥	▶ Trigger	[B1]	☐ Start
⑦	▶ Threshold	[1ms]	
⑧	▶ Mode	[Repeat] [1]	[s]

No.	Command	Page of manual
①	:SOURCE:APSTest:SEQuence:FRAMe :SOURCE:APSTest:SEQuence:FRAMe?	Vol.2, 10-206
②	:SOURCE:APSTest:ALARm:TYPE :SOURCE:APSTest:ALARm:TYPE?	Vol.2, 10-207,209
③	:SOURCE:APSTest:ALARm:TIMing:ALARm :SOURCE:APSTest:ALARm:TIMing:ALARm?	Vol.2, 10-209,210
④	:SOURCE:APSTest:ERRor:TYPE :SOURCE:APSTest:ERRor:TYPE?	Vol.2, 10-211,213
⑤	:SOURCE:APSTest:ERRor:TIMing:ERRor :SOURCE:APSTest:ERRor:TIMing:ERRor?	Vol.2, 10-214,215
⑥	:SENSE:APSTest:TRIGger:TYPE :SENSE:APSTest:TRIGger:TYPE?	Vol.2,10-289,290
⑦	:SENSE:APSTest:THReshold :SENSE:APSTest:THReshold?	Vol.2, 10-290,291
⑧	:SENSE:APSTest:MEASure:TYPE :SENSE:APSTest:MEASure:TYPE?	Vol.2, 10-291
⑨	:SOURCE:APSTest:STARt :SOURCE:APSTest:STOP	Vol.2, 10-207

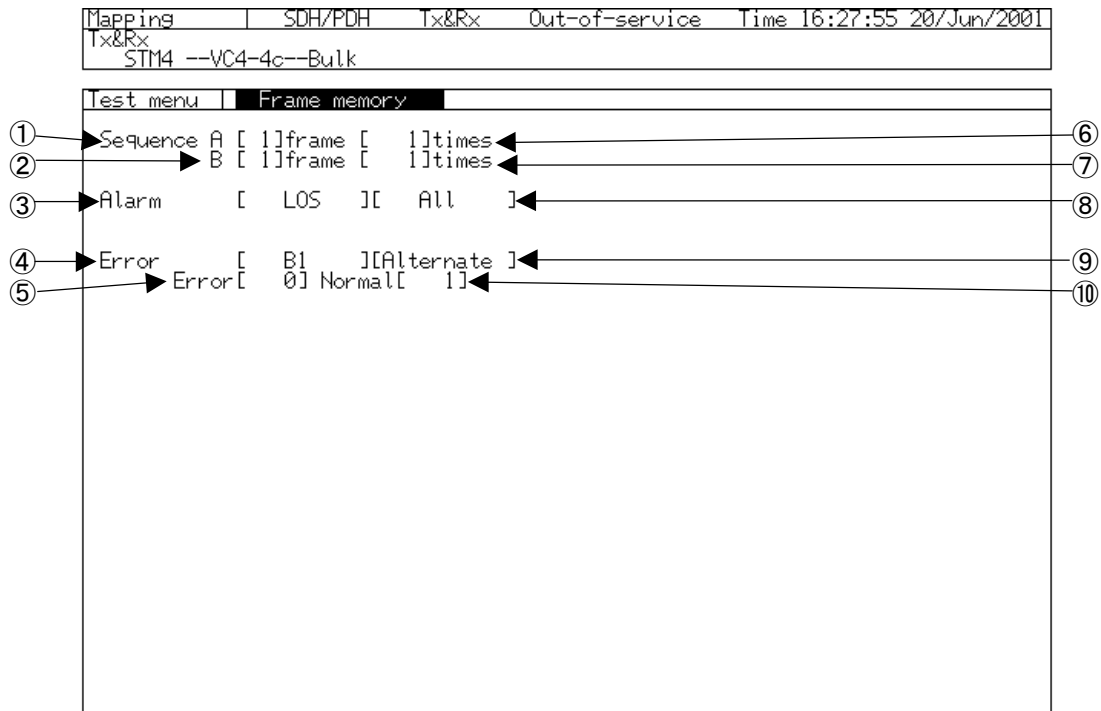
No.	Command	Page of manual
⑩	:SOURce:APSTest:SEQuence:MODE :SOURce:APSTest:SEQuence:MODE?	Vol.2, 10-206,207
⑪	:SOURce:APSTest:ALARm:TIMing:TYPE :SOURce:APSTest:ALARm:TIMing:TYPE?	Vol.2, 10-209
⑫	:SOURce:APSTest:ALARm:TIMing:NORMal :SOURce:APSTest:ALARm:TIMing:NORMal? :SOURce:APSTest:ALARm:TIMing:BURSt :SOURce:APSTest:ALARm:TIMing:BURSt?	Vol.2, 10-210 Vol.2, 10-211
⑬	:SOURce:APSTest:ALARm:TIMing:ALTErnate :SOURce:APSTest:ALARm:TIMing:ALTErnate? :SOURce:APSTest:ALARm:TIMing:BURSt :SOURce:APSTest:ALARm:TIMing:BURSt?	Vol.2, 10-210,211 Vol.2, 10-211
⑭	:SOURce:APSTest:ERRor:TIMing:TYPE :SOURce:APSTest:ERRor:TIMing:TYPE?	Vol.2, 10-213,214
⑮	:SOURce:APSTest:ERRor:TIMing:PROGrate :SOURce:APSTest:ERRor:TIMing:PROGrate? :SOURce:APSTest:ERRor:TIMing:NORMal :SOURce:APSTest:ERRor:TIMing:NORMal? :SOURce:APSTest:ERRor:TIMing:BURSt:BIT :SOURce:APSTest:ERRor:TIMing:BURSt:BIT?	Vol.2, 10-215 Vol.2, 10-215,216 Vol.2, 10-216
⑯	:SENSe:APSTest:STARt :SENSe:APSTest:STOP	Vol.2, 10-292
⑰	:SENSe:APSTest:MEASure:PERiod :SENSe:APSTest:MEASure:PERiod?	Vol.2, 10-289

3.7 Performance Check 副画面



No.	Command	Page of manual
①	:SOURce:PCheck:TYPE :SOURce:PCheck:TYPE?	Vol.2, 10-166
②	:SOURce:PCheck:PDHFrame :SOURce:PCheck:PDHFrame?	Vol.2, 10-166,167
③	:SOURce:PCheck:STARt :SOURce:PCheck:STOP :SOURce:PCheck:STATe?	Vol.2, 10-172,173
④	:SOURce:PCheck:ITEM :SOURce:PCheck:ITEM?	Vol.2, 10-167,168
⑤	:SOURce:PCheck:CONDition :SOURce:PCheck:CONDition?	Vol.2, 10-168,172
⑥	:SENSE:PCheck:MODE :SENSE:PCheck:MODE?	Vol.2, 10-280
⑦	:SOURce:PCheck:REPeat :SOURce:PCheck:REPeat?	Vol.2, 10-167

3.8 Frame Memory 副画面



No.	Command	Page of manual
①	:SOURce:FMEMory:SEQuence:A:FRAME :SOURce:FMEMory:SEQuence:A:FRAME?	Vol.2, 10-173
②	:SOURce:FMEMory:SEQuence:B:FRAME :SOURce:FMEMory:SEQuence:B:FRAME?	Vol.2, 10-174
③	:SOURce:FMEMory:ALARm:TYPE :SOURce:FMEMory:ALARm:TYPE?	Vol.2, 10-175,176
④	:SOURce:FMEMory:ERRor:TYPE :SOURce:FMEMory:ERRor:TYPE?	Vol.2, 10-178,179
⑤	:SOURce:FMEMory:ERRor:TIMing:TYPE :SOURce:FMEMory:ERRor:TIMing:TYPE?	Vol.2, 10-179,180
⑥	:SOURce:FMEMory:SEQuence:A:TIME :SOURce:FMEMory:SEQuence:A:TIME?	Vol.2,10-173
⑦	:SOURce:FMEMory:SEQuence:B:TIME :SOURce:FMEMory:SEQuence:B:TIME?	Vol.2, 10-174,175
⑧	:SOURce:FMEMory:ALARm:TIMing:TYPE :SOURce:FMEMory:ALARm:TIMing:TYPE?	Vol.2, 10-176,177
⑨	:SOURce:FMEMory:ERRor:TIMing:TYPE :SOURce:FMEMory:ERRor:TIMing:TYPE?	Vol.2, 10-179,180

No.	Command	Page of manual
⑩	:SOURce:FMEMory:ERRor:TIMing:NORMal	Vol.2, 10-181
	:SOURce:FMEMory:ERRor:TIMing:NORMal?	
	:SOURce:FMEMory:ERRor:TIMing:PROGrate	Vol.2, 10-180,181
	:SOURce:FMEMory:ERRor:TIMing:PROGrate?	
	:SOURce:FMEMory:ERRor:TIMing:BURSt:BIT	Vol.2, 10-181,182
	:SOURce:FMEMory:ERRor:TIMing:BURSt:BIT?	

4.1	Trouble Search 副画面	4-2
4.2	Error/Alarm 副画面	4-3
4.2.1	Error/Alarm 副画面(1)	4-3
4.2.2	Error/Alarm 副画面(2)	4-4
4.3	Justification 副画面	4-5
4.4	Zoom 副画面	4-6
4.5	Performance 副画面	4-7
4.5.1	Performance 副画面(1)	4-7
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4.5.6	Performance 副画面(6)	4-15
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4.7	Simultaneous 副画面	4-18
4.8	Delay 副画面	4-19
4.9	APS Test 副画面	4-20

4.1 Trouble Search 副画面

MappingSDH/PDH Tx&Rx Out-of-service Time 15:15:02 25/Jan/2000

Tx&RxSTM4 -AUG#01-AU4-VC4-TUG3#1-TU3-VC3-34M(Async.)

ResultTrouble searchStart 15:13:39 25/Jan/2000

①

AUG # 1 <□ □> □ Analyze

(AU4)

②

TUG3#123

③

□

□

□

TU3TU3TU3

No Trouble

Trouble ch

0

12 ch

④

No.	Command	Page of manual
①	:DISPlay:RESult:TSEarch:AUG :DISPlay:RESult:TSEarch:AUG? :DISPlay:RESult:TSEarch:STS :DISPlay:RESult:TSEarch:STS?	Vol.2, 10-345
②	:DISPlay:RESult:TSEarch:SEARCh	Vol.2, 10-345
③	:DISPlay:RESult:TSEarch:ANALyze	Vol.2, 10-346
④	:CALCulate:TSEarch:RESult?	Vol.2, 10-487

4.2 Error/Alarm 副画面

4.2.1 Error/Alarm副画面(1)

Mapping		SDH/PDH		Tx&Rx		Out-of-service		Time 18:26:40 25/Jan/2000	
Tx&Rx									
STM4 -AUG#01-AU4-VC4-TUG3#1-TU3-VC3-34M(Async.)									
Result		Error/Alarm		Start					
① ▶ Alarm [Second]		Error [Count]		Display data [Current]		③			
②									
Section		HP(AU)		LP(TU)		PDH			
P-fail	-----	αAIS	-----	αAIS	-----	αAIS 34M-----α			
LOS	-----	αLOP	-----	αLOP	-----				
LOF	-----	αRDI	-----	αRDI	-----				
DOF	-----	αSLM	-----	αSLM	-----				
AIS	-----	α	-----	α	-----				
RDI	-----	α	-----	α	-----	Sync. -----α			
		TIM	-----	αTIM	-----				
		UNEQ	-----	αUNEQ	-----				
B1	-----	αB3	-----	αB3	-----				
B2	-----	α	-----	α	-----				
		REI	-----	αREI	-----				
						Bit -----α			
④									

No.	Command	Page of manual
①	:DISPlay:RESult:EALarm:AUNit :DISPlay:RESult:EALarm:AUNit?	Vol.2, 10-333
②	:DISPlay:RESult:EALarm:UNIT :DISPlay:RESult:EALarm:UNIT?	Vol.2, 10-332
③	:DISPlay:RESult:EALarm:MODE :DISPlay:RESult:EALarm:MODE?	Vol.2, 10-332
④	:CALCulate:DATA?	Vol.2, 10-473

4.2.2 Error/Alarm副画面(2)

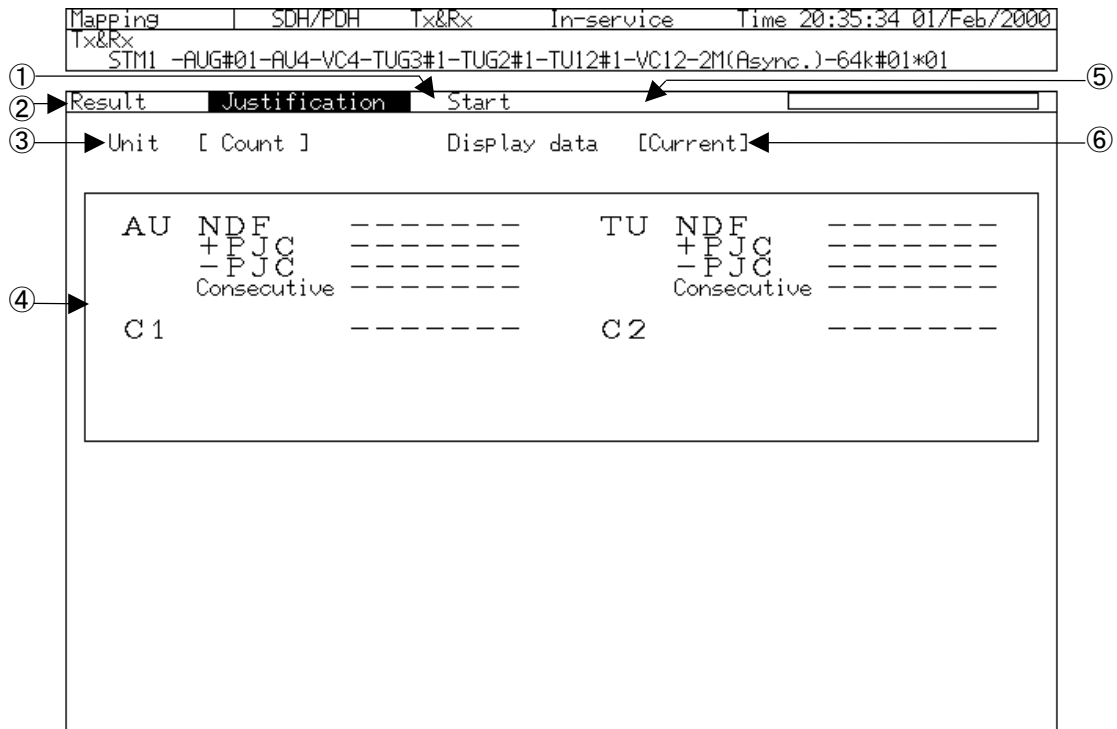
Mapping	SDH/PDH	Tx&Rx	Out-of-service	Time 18:42:31 25/Jan/2000
Tx&Rx STM4 -AUG#01-AU4-VC4-TUG3#1-TU3-VC3-34M(Async.)				

Test menu	Manual [SDH]					
Test Patt	[PRBS11]	Invert	[ON]			
Alarm	[LOF]	[All]				
Error	[B1]	[Prog.rate]				
		[1.0E-10]				
K1 Bit1-4	[0001, Do not revert]					
Bit5-8	[0010, Working #2]					
K2 Bit1-4	[0000, Null CH]					
Bit5-8	[0, 1+1] [000]					
PTR AU	[0110 10]	[0]	[+PJC]	[-PJC]		
TU	[0110 10]	[0]	[+PJC]	[-PJC]		
Payload offset	[C bit]	[0.0]	PPM			
Mode	[Manual]					
PRG start	[ON]	[18:48:00 25/Jan/2000]				

Result		Error/Alarm		Start			
Alarm [Second]		Error [Count]		Display data [Current]		SDH	
Section		HP(AU)		LP(TU)		PDH	
P-fail	-----	αAIS	-----	αAIS	-----	αAIS 34M	-----
LOS	-----	αLOP	-----	αLOP	-----		
LOF	-----	αRDI	-----	αRDI	-----		
DOF	-----	αSLM	-----	αSLM	-----		
AIS	-----						
RDI	-----						
		TIM	-----	αTIM	-----		Sync. -----
		UNEQ	-----	αUNEQ	-----		
B1	-----	αB3	-----	αB3	-----		
B2	-----						
		REI	-----	αREI	-----		Bit -----

No.	Command	Page of manual
①	:DISPlay:RESult:EALarm:DISPmode :DISPlay:RESult:EALarm:DISPmode?	Vol.2, 10-333

4.3 Justification 副画面



No.	Command	Page of manual
①	:DISPlay:RESult:TIME :DISPlay:RESult:TIME?	Vol.2, 10-344
②	:DISPlay:RESult[:NAME] :DISPlay:RESult[:NAME]?	Vol.2, 10-331,332
③	:DISPlay:RESult:JUSTificat:UNIT :DISPlay:RESult:JUSTificat:UNIT?	Vol.2, 10-335
④	:CALCulate:DATA?	Vol.2, 10-473
⑤	:SENSE:MEASure:STIME? :SENSE:MEASure:ELAPsed?	Vol.2, 10-263
⑥	:DISPlay:RESult:JUSTificat:MODE :DISPlay:RESult:JUSTificat:MODE?	Vol.2, 10-334

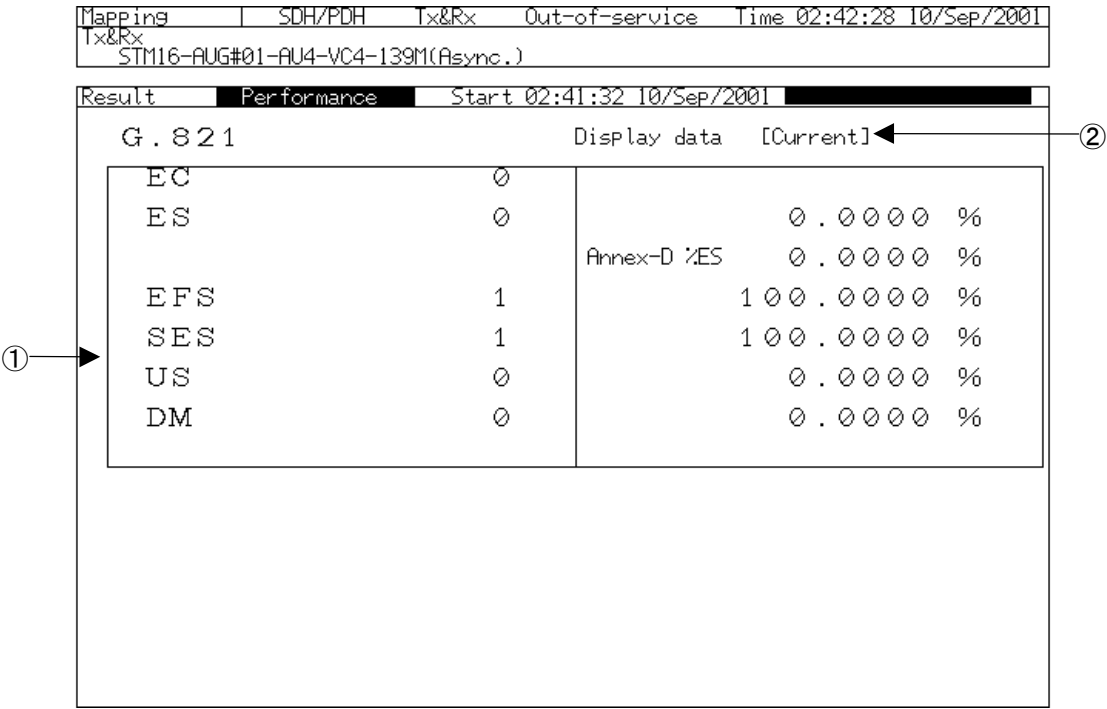
4.4 Zoom 副画面



No.	Command	Page of manual
①	:DISPlay:RESult:ZOOM:AUNit :DISPlay:RESult:ZOOM:AUNit?	Vol.2, 10-336
②	:DISPlay:RESult:ZOOM:ALARm :DISPlay:RESult:ZOOM:ALARm?	Vol.2, 10-336,338
③	:DISPlay:RESult:ZOOM:ERRor :DISPlay:RESult:ZOOM:ERRor?	Vol.2, 10-338,339
④	:DISPlay:RESult:PERFormance:MODE :DISPlay:RESult:PERFormance:MODE?	Vol.2, 10-339,340
⑤	:DISPlay:RESult:ZOOM:UNIT :DISPlay:RESult:ZOOM:UNIT?	Vol.2, 10-335,336
⑥	:CALCulate:DATA?	Vol.2, 10-473

4.5 Performance 副画面

4.5.1 Performance副画面(1)



No.	Command	Page of manual
①	:CALCulate:DATA?	Vol.2, 10-473
②	:DISPlay:RESult:PERFormance:MODE :DISPlay:RESult:PERFormance:MODE?	Vol.2, 10-339,340

4.5.2 Performance副画面(2)

Mapping SDH/PDH Tx&Rx In-service Time 21:07:58 01/Feb/2000
Tx&Rx
STM1 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC12-2M(Async.)-64k#01*01
MixCH1
Result Performance Start 21:07:42 01/Feb/2000

G.826 Display data [Current]

① → Error [BIP]

	B1	B2	HP-B3	BIP2
ES	1	1	1	1
SES	1	1	1	1
BBE	0	0	0	0
ESR	1.00E-00	1.00E-00	1.00E-00	1.00E-00
SESR	1.00E-00	1.00E-00	1.00E-00	1.00E-00
BBER	0.00E-00	0.00E-00	0.00E-00	0.00E-00
SDP	1	1	1	1
US	0	0	0	0

② →

③ ←

No.	Command	Page of manual
①	:DISPlay:RESult:PERFormance:ERRor[:G826] :DISPlay:RESult:PERFormance:ERRor[:G826]?	Vol.2, 10-340,341
②	:CALCulate:DATA?	Vol.2, 10-473
③	:DISPlay:RESult:PERFormance:MODE :DISPlay:RESult:PERFormance:MODE?	Vol.2, 10-339,340

4.5.3 Performance副画面(3)

Mapping SDH/PDH Tx&Rx In-service Time 20:53:03 01/Feb/2000
 Tx&Rx STM1 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC12-2M(Async.)-64k#01*01
 MixCH
 Result Performance Start

M. 2 1 0 0 Display data [Current] ← ⑪

①~③ Rx threshold ES [ON] S1[0] S2[1] Tx threshold ES [ON] S1[0] S2[1] ← ⑫~⑭
 ④~⑥ SES[ON] S1[0] S2[1] SES[ON] S1[0] S2[1] ← ⑮~⑰
 ⑦~⑨ US [ON] S1[0] S2[1] US [ON] S1[0] S2[1]

⑩

Rx		Tx
ES	-----	ES
SES	-----	SES
US	-----	
Test	-----	Test

No.	Command	Page of manual
①	:CALCulate:TELEcom:PERFormance:THReshold:M2100:ES:SET :CALCulate:TELEcom:PERFormance:THReshold:M2100:ES:SET?	Vol.2, 10-448
②	:CALCulate:TELEcom:PERFormance:THReshold:M2100:ES:S1 :CALCulate:TELEcom:PERFormance:THReshold:M2100:ES:S1?	Vol.2, 10-449
③	:CALCulate:TELEcom:PERFormance:THReshold:M2100:ES:S2 :CALCulate:TELEcom:PERFormance:THReshold:M2100:ES:S2?	Vol.2, 10-449
④	:CALCulate:TELEcom:PERFormance:THReshold:M2100:SES:SET :CALCulate:TELEcom:PERFormance:THReshold:M2100:SES:SET?	Vol.2, 10-450
⑤	:CALCulate:TELEcom:PERFormance:THReshold:M2100:SES:S1 :CALCulate:TELEcom:PERFormance:THReshold:M2100:SES:S1?	Vol.2, 10-450
⑥	:CALCulate:TELEcom:PERFormance:THReshold:M2100:SES:S2 :CALCulate:TELEcom:PERFormance:THReshold:M2100:SES:S2?	Vol.2, 10-451
⑦	:CALCulate:TELEcom:PERFormance:THReshold:M2100:US:SET :CALCulate:TELEcom:PERFormance:THReshold:M2100:US:SET?	Vol.2, 10-451
⑧	:CALCulate:TELEcom:PERFormance:THReshold:M2100:US:S1 :CALCulate:TELEcom:PERFormance:THReshold:M2100:US:S1?	Vol.2, 10-452
⑨	:CALCulate:TELEcom:PERFormance:THReshold:M2100:US:S2 :CALCulate:TELEcom:PERFormance:THReshold:M2100:US:S2?	Vol.2, 10-452
⑩	:CALCulate:DATA?	Vol.2, 10-473

No.	Command	Page of manual
⑪	:DISPlay:RESult:PERFormance:MODE :DISPlay:RESult:PERFormance:MODE?	Vol.2, 10-339,340
⑫	:CALCulate:TELEcom:PERFormance:THReshold:M2100:TXES:SET :CALCulate:TELEcom:PERFormance:THReshold:M2100:TXES:SET?	Vol.2, 10-453
⑬	:CALCulate:TELEcom:PERFormance:THReshold:M2100:TXES:S1 :CALCulate:TELEcom:PERFormance:THReshold:M2100:TXES:S1?	Vol.2, 10-453,454
⑭	:CALCulate:TELEcom:PERFormance:THReshold:M2100:TXES:S2 :CALCulate:TELEcom:PERFormance:THReshold:M2100:TXES:S2?	Vol.2, 10-454
⑮	:CALCulate:TELEcom:PERFormance:THReshold:M2100:TXSES:SET :CALCulate:TELEcom:PERFormance:THReshold:M2100:TXSES:SET?	Vol.2, 10-454,455
⑯	:CALCulate:TELEcom:PERFormance:THReshold:M2100:TXSES:S1 :CALCulate:TELEcom:PERFormance:THReshold:M2100:TXSES:S1?	Vol.2, 10-455
⑰	:CALCulate:TELEcom:PERFormance:THReshold:M2100:TXSES:S2 :CALCulate:TELEcom:PERFormance:THReshold:M2100:TXSES:S2?	Vol.2, 10-455,456

4.5.4 Performance副画面(4)

Mapping SDH/PDH Tx&Rx In-service Time 21:11:03 01/Feb/2000
 Tx&Rx STM1 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC12-2M(Async.)-64k#01*01
 MixCH
 Result Performance Start

M. 2 1 0 1 Display data [Current] ← ⑫

①~③ Rx threshold Tx threshold
 ④~⑥ ES [ON] S1[0] S2[1] ES [ON] S1[0] S2[1] ← ⑬~⑮
 ⑦~⑨ SES [ON] S1[0] S2[1] SES [ON] S1[0] S2[1] ← ⑯~⑰
 ⑩ US [ON] S1[0] S2[1] US [ON] S1[0] S2[1]

⑩ Layer [Section]

⑪ Rx

ES	-----
SES	-----
US	-----
Test	-----

No.	Command	Page of manual
①	:CALCulate:TELEcom:PERFormance:THReshold:M2101:ES:SET :CALCulate:TELEcom:PERFormance:THReshold:M2101:ES:SET?	Vol.2, 10-456
②	:CALCulate:TELEcom:PERFormance:THReshold:M2101:ES:S1 :CALCulate:TELEcom:PERFormance:THReshold:M2101:ES:S1?	Vol.2, 10-457
③	:CALCulate:TELEcom:PERFormance:THReshold:M2101:ES:S2 :CALCulate:TELEcom:PERFormance:THReshold:M2101:ES:S2?	Vol.2, 10-457
④	:CALCulate:TELEcom:PERFormance:THReshold:M2101:SES:SET :CALCulate:TELEcom:PERFormance:THReshold:M2101:SES:SET?	Vol.2, 10-458
⑤	:CALCulate:TELEcom:PERFormance:THReshold:M2101:SES:S1 :CALCulate:TELEcom:PERFormance:THReshold:M2101:SES:S1?	Vol.2, 10-458
⑥	:CALCulate:TELEcom:PERFormance:THReshold:M2101:SES:S2 :CALCulate:TELEcom:PERFormance:THReshold:M2101:SES:S2?	Vol.2, 10-459
⑦	:CALCulate:TELEcom:PERFormance:THReshold:M2101:US:SET :CALCulate:TELEcom:PERFormance:THReshold:M2101:US:SET?	Vol.2, 10-459
⑧	:CALCulate:TELEcom:PERFormance:THReshold:M2101:US:S1 :CALCulate:TELEcom:PERFormance:THReshold:M2101:US:S1?	Vol.2, 10-460
⑨	:CALCulate:TELEcom:PERFormance:THReshold:M2101:US:S2 :CALCulate:TELEcom:PERFormance:THReshold:M2101:US:S2?	Vol.2, 10-460

No.	Command	Page of manual
⑩	:DISPlay:RESult:PERFormance:ERRor:M2101 :DISPlay:RESult:PERFormance:ERRor:M2101?	Vol.2, 10-341
⑪	:CALCulate:DATA?	Vol.2, 10-473
⑫	:DISPlay:RESult:PERFormance:MODE :DISPlay:RESult:PERFormance:MODE?	Vol.2, 10-339,340
⑬	:CALCulate:TELEcom:PERFormance:THReshold:M2101:TXES:SET :CALCulate:TELEcom:PERFormance:THReshold:M2101:TXES:SET?	Vol.2, 10-461
⑭	:CALCulate:TELEcom:PERFormance:THReshold:M2101:TXES:S1 :CALCulate:TELEcom:PERFormance:THReshold:M2101:TXES:S1?	Vol.2, 10-461,462
⑮	:CALCulate:TELEcom:PERFormance:THReshold:M2101:TXES:S2 :CALCulate:TELEcom:PERFormance:THReshold:M2101:TXES:S2?	Vol.2, 10-462
⑯	:CALCulate:TELEcom:PERFormance:THReshold:M2101:TXSES:SET :CALCulate:TELEcom:PERFormance:THReshold:M2101:TXSES:SET?	Vol.2, 10-462,463
⑰	:CALCulate:TELEcom:PERFormance:THReshold:M2101:TXSES:S1 :CALCulate:TELEcom:PERFormance:THReshold:M2101:TXSES:S1?	Vol.2, 10-463
⑱	:CALCulate:TELEcom:PERFormance:THReshold:M2101:TXSES:S2 :CALCulate:TELEcom:PERFormance:THReshold:M2101:TXSES:S2?	Vol.2, 10-463,464

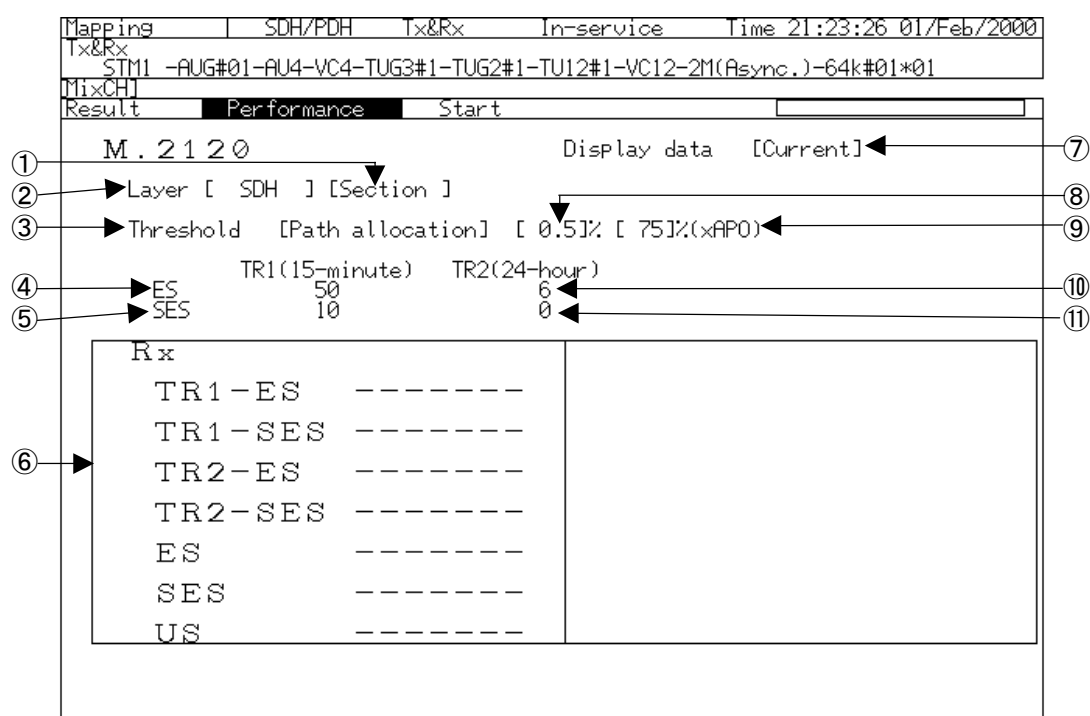
4.5.5 Performance副画面(5)

Mapping	SDH/PDH	Tx&Rx	In-service	Time 21:19:47 01/Feb/2000														
Tx&Rx STM1 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC12-2M(Async.)-64k#01*01																		
MixCH1																		
Result	Performance	Start																
①	M. 2 1 1 0	Display data	[Current]	①⑦														
②	Layer [SDH] [Section]																	
③	BIS limits [Path allocation] [0.51%	①⑧																
④~⑨	ES S1: 0 S2: 2 S1: 3 S2: 15 S1: 45 S2: 76	24-hour 7-day																
⑩~⑮	SES S1: 0 S2: 1 S1: 0 S2: 5 S1: 7 S2: 23																	
⑯	<table border="1"> <tr> <td>Rx</td> <td></td> </tr> <tr> <td>2-hour</td> <td>-----</td> </tr> <tr> <td>24-hour</td> <td>-----</td> </tr> <tr> <td>7-day</td> <td>-----</td> </tr> <tr> <td>ES</td> <td>-----</td> </tr> <tr> <td>SES</td> <td>-----</td> </tr> <tr> <td>US</td> <td>-----</td> </tr> </table>				Rx		2-hour	-----	24-hour	-----	7-day	-----	ES	-----	SES	-----	US	-----
Rx																		
2-hour	-----																	
24-hour	-----																	
7-day	-----																	
ES	-----																	
SES	-----																	
US	-----																	

No.	Command	Page of manual
①	:DISPlay:RESult:PERFormance:ERRor:M2110:LAYer2 :DISPlay:RESult:PERFormance:ERRor:M2110:LAYer2?	Vol.2, 10-343
②	:DISPlay:RESult:PERFormance:ERRor:M2110:LAYer1 :DISPlay:RESult:PERFormance:ERRor:M2110:LAYer1?	Vol.2, 10-343
③	:CALCulate:TELEcom:PERFormance:THReshold:M2110:TYPE :CALCulate:TELEcom:PERFormance:THReshold:M2110:TYPE?	Vol.2, 10-464
④	:CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:H2S1 :CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:H2S1?	Vol.2, 10-465
⑤	:CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:H2S2 :CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:H2S2?	Vol.2, 10-465,466
⑥	:CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:H24S1 :CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:H24S1?	Vol.2, 10-466
⑦	:CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:H24S2 :CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:H24S2?	Vol.2, 10-466
⑧	:CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:D7S1 :CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:D7S1?	Vol.2, 10-467
⑨	:CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:D7S2 :CALCulate:TELEcom:PERFormance:THReshold:M2110:ES:D7S2?	Vol.2, 10-467

No.	Command	Page of manual
⑩	:CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:H2S1 :CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:H2S1?	Vol.2, 10-468
⑪	:CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:H2S2 :CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:H2S2?	Vol.2, 10-468
⑫	:CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:H24S1 :CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:H24S1?	Vol.2, 10-468,469
⑬	:CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:H24S2 :CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:H24S2?	Vol.2, 10-469
⑭	:CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:D7S1 :CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:D7S1?	Vol.2, 10-469,470
⑮	:CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:D7S2 :CALCulate:TELEcom:PERFormance:THReshold:M2110:SES:D7S2?	Vol.2, 10-470
⑯	:CALCulate:DATA?	Vol.2, 10-473
⑰	:DISPlay:RESult:PERFormance:MODE :DISPlay:RESult:PERFormance:MODE?	Vol.2, 10-339,340
⑱	:CALCulate:TELEcom:PERFormance:THReshold:M2110:LIMit :CALCulate:TELEcom:PERFormance:THReshold:M2110:LIMit?	Vol.2, 10-464,465

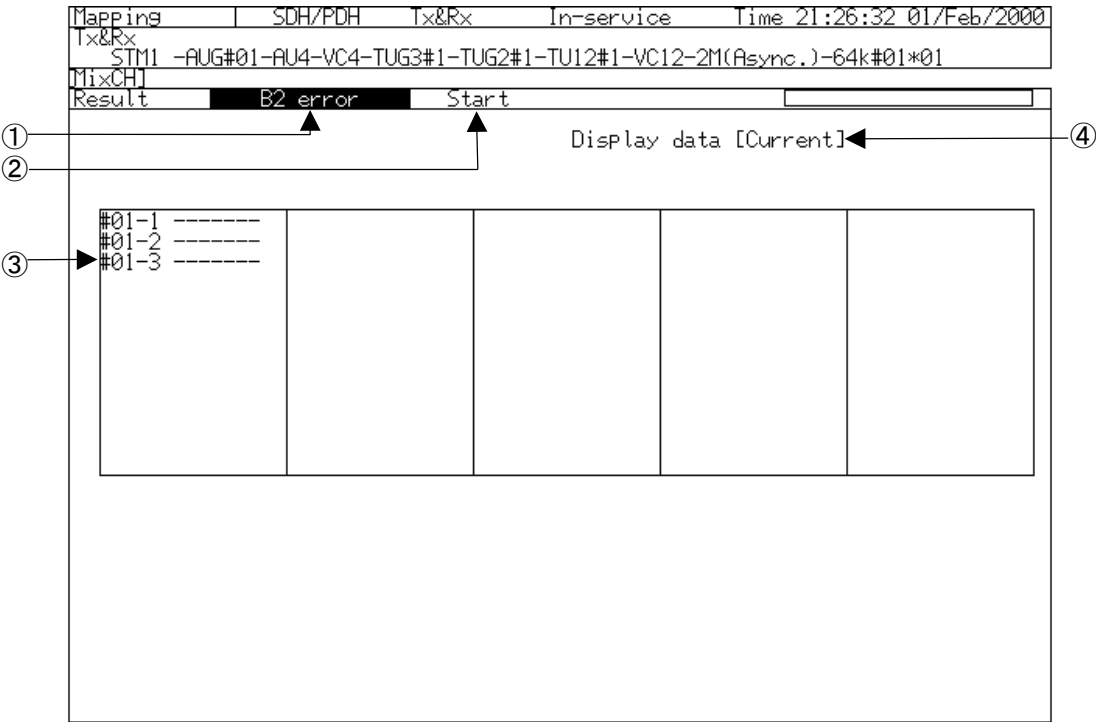
4.5.6 Performance副画面(6)



No.	Command	Page of manual
①	:DISPlay:RESult:PERFormance:ERRor:M2120:LAYer2 :DISPlay:RESult:PERFormance:ERRor:M2120:LAYer2?	Vol.2, 10-343
②	:DISPlay:RESult:PERFormance:ERRor:M2120:LAYer1 :DISPlay:RESult:PERFormance:ERRor:M2120:LAYer1?	Vol.2, 10-343
③	:CALCulate:TELEcom:PERFormance:THReshold:M2120:TYPe :CALCulate:TELEcom:PERFormance:THReshold:M2120:TYPe?	Vol.2, 10-470,471
④	:CALCulate:TELEcom:PERFormance:THReshold:M2120:ES:TR1 :CALCulate:TELEcom:PERFormance:THReshold:M2120:ES:TR1?	Vol.2, 10-472
⑤	:CALCulate:TELEcom:PERFormance:THReshold:M2120:SES:TR1 :CALCulate:TELEcom:PERFormance:THReshold:M2120:SES:TR1?	Vol.2, 10-472,473
⑥	:CALCulate:DATA?	Vol.2, 10-473
⑦	:DISPlay:RESult:PERFormance:MODE :DISPlay:RESult:PERFormance:MODE?	Vol.2, 10-339,340
⑧	:CALCulate:TELEcom:PERFormance:THReshold:M2120:LIMit1 :CALCulate:TELEcom:PERFormance:THReshold:M2120:LIMit1?	Vol.2, 10-471
⑨	:CALCulate:TELEcom:PERFormance:THReshold:M2120:LIMit2 :CALCulate:TELEcom:PERFormance:THReshold:M2120:LIMit2?	Vol.2, 10-471
⑩	:CALCulate:TELEcom:PERFormance:THReshold:M2120:ES:TR2 :CALCulate:TELEcom:PERFormance:THReshold:M2120:ES:TR2?	Vol.2, 10-472

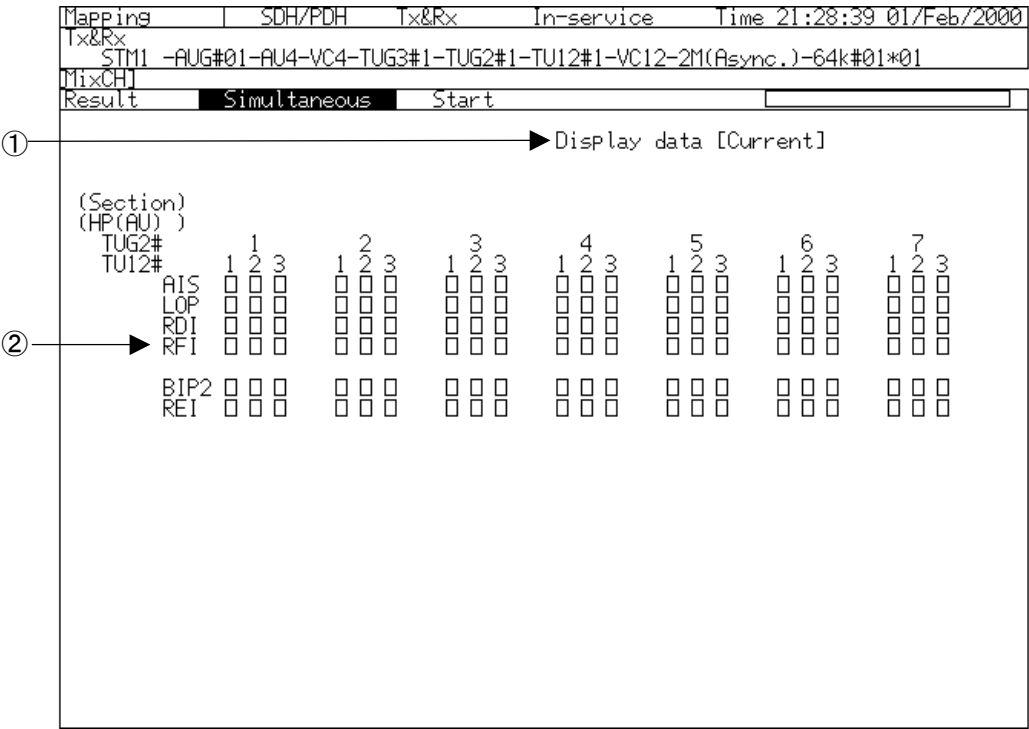
No.	Command	Page of manual
⑪	:CALCulate:TELEcom:PERFormance:THReshold:M2120:ES:TR2 :CALCulate:TELEcom:PERFormance:THReshold:M2120:ES:TR2?	Vol.2, 10-472

4.6 B2 Error 副画面



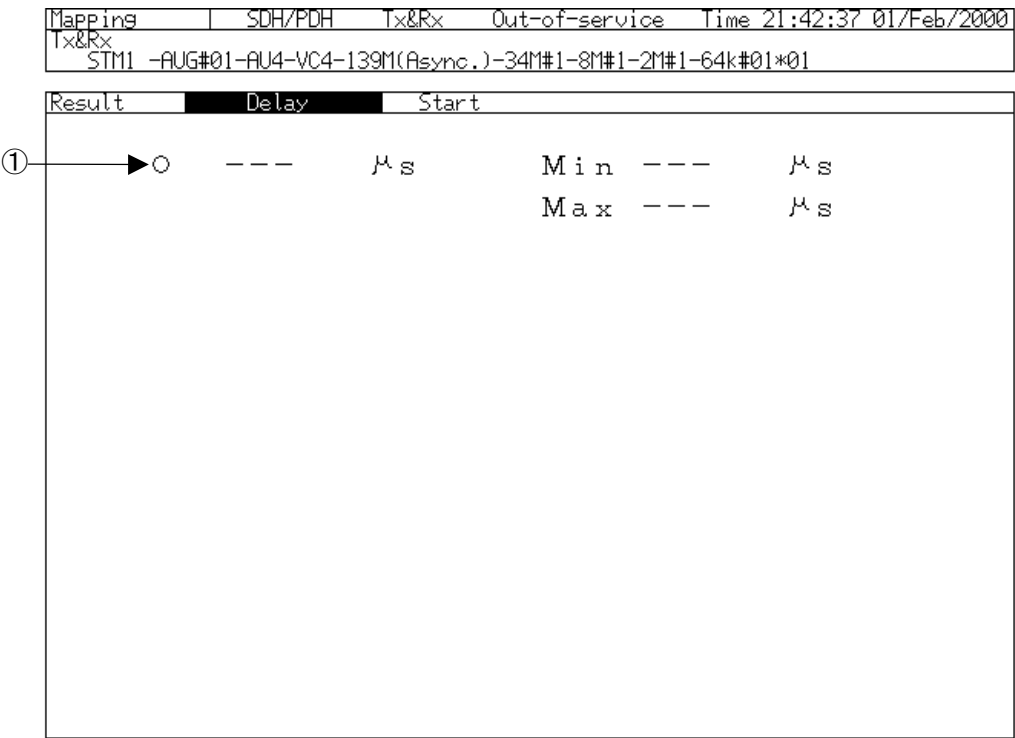
No.	Command	Page of manual
①	:DISPlay:RESult[:NAME] :DISPlay:RESult[:NAME]?	Vol.2, 10-331,332
②	:DISPlay:RESult:TIME :DISPlay:RESult:TIME?	Vol.2, 10-344
③	:CALCulate:DATA?	Vol.2, 10-473
④	:DISPlay:RESult:B2:MODE :DISPlay:RESult:B2:MODE?	Vol.2, 10-344

4.7 Simultaneous 副画面



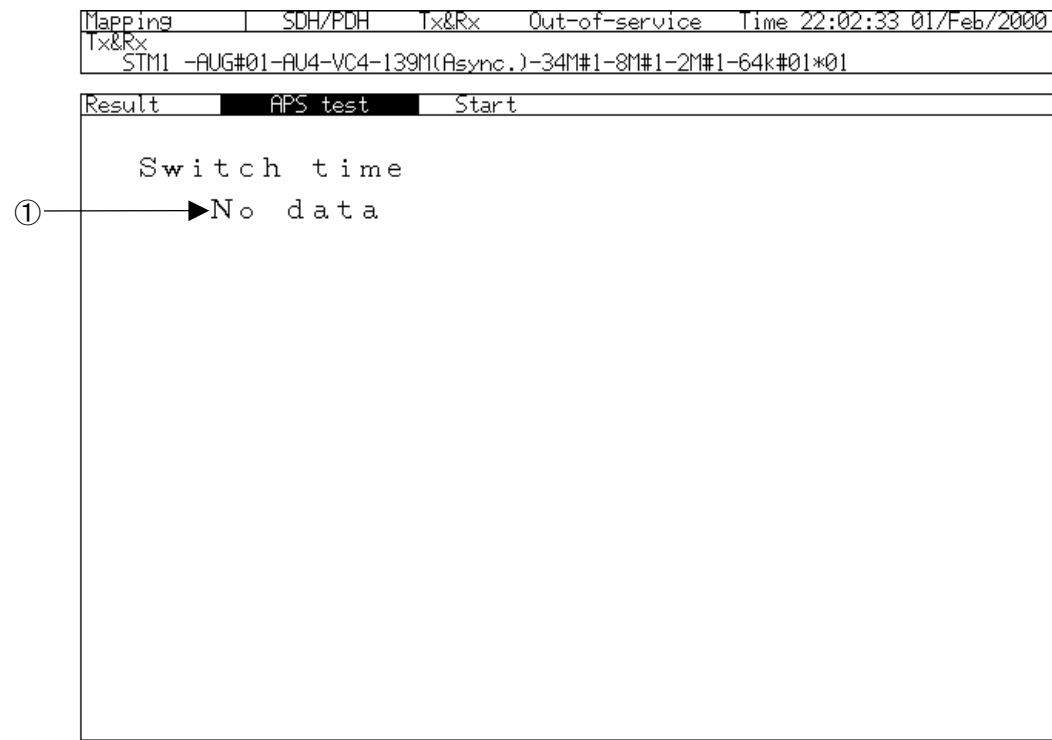
No.	Command	Page of manual
①	:DISPlay:RESult:SIMultaneous:DISPdata :DISPlay:RESult:SIMultaneous:DISPdata?	Vol.2, 10-343,344
②	:CALCulate:SIMultaneous:DATA?	Vol.2, 10-493

4.8 Delay 副画面



No.	Command	Page of manual
①	:CALCulate:DATA?	Vol.2, 10-473

4.9 APS Test 副画面

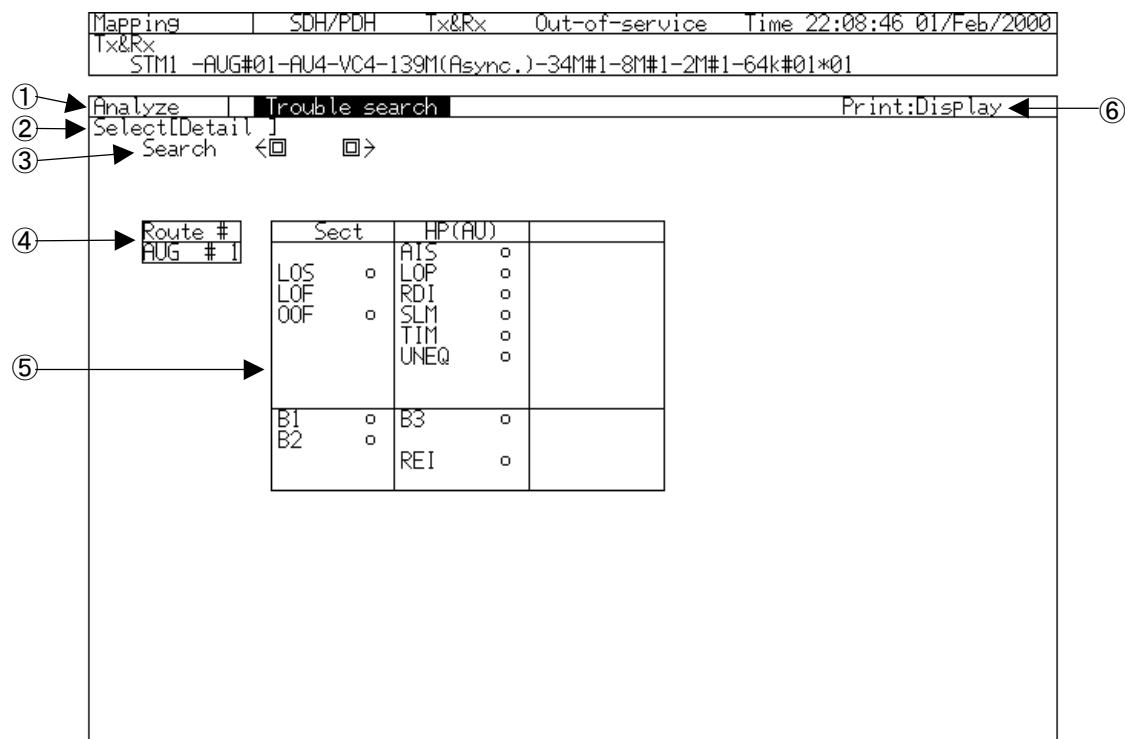


No.	Command	Page of manual
①	:CALCulate:DATA?	Vol.2, 10-473

5.1	Trouble Search 副画面	5-2
5.1.1	Trouble Search 副画面(1)	5-2
5.1.2	Trouble Search 副画面(2)	5-3
5.2	Error/Alarm 副画面	5-4
5.3	OH Monitor 副画面	5-6
5.3.1	OH Monitor 副画面(1)	5-6
5.3.2	OH Monitor 副画面(2)	5-7
5.3.3	OH Monitor 副画面(3)	5-8
5.3.4	OH Monitor 副画面(4)	5-9
5.3.5	OH Monitor 副画面(5)	5-10
5.3.6	OH Monitor 副画面(6)	5-11
5.3.7	OH Monitor 副画面(7)	5-12
5.3.8	OH Monitor 副画面(8)	5-13
5.3.9	OH Monitor 副画面(9)	5-14
5.4	Opt. Power Meter 副画面	5-15
5.5	OH Capture 副画面	5-16
5.5.1	OH Capture 副画面(1)	5-16
5.5.2	OH Capture 副画面(2)	5-18
5.5.3	OH Capture 副画面(3)	5-19
5.5.4	OH Capture 副画面(4)	5-20
5.5.5	OH Capture 副画面(5)	5-21
5.6	APS Capture 副画面	5-22
5.6.1	APS Capture 副画面(1)	5-22
5.6.2	APS Capture 副画面(2)	5-23
5.7	Pointer Monitor 副画面	5-24
5.7.1	Pointer Monitor 副画面(1)	5-24
5.7.2	Pointer Monitor 副画面(2)	5-25
5.8	Frame Capture 副画面	5-26
5.8.1	Frame Capture 副画面(1)	5-26
5.8.2	Frame Capture 副画面(2)	5-27
5.9	Freq. Monitor 副画面	5-28
5.10	Frequency 副画面	5-29
5.11	Sequence Test 副画面	5-30

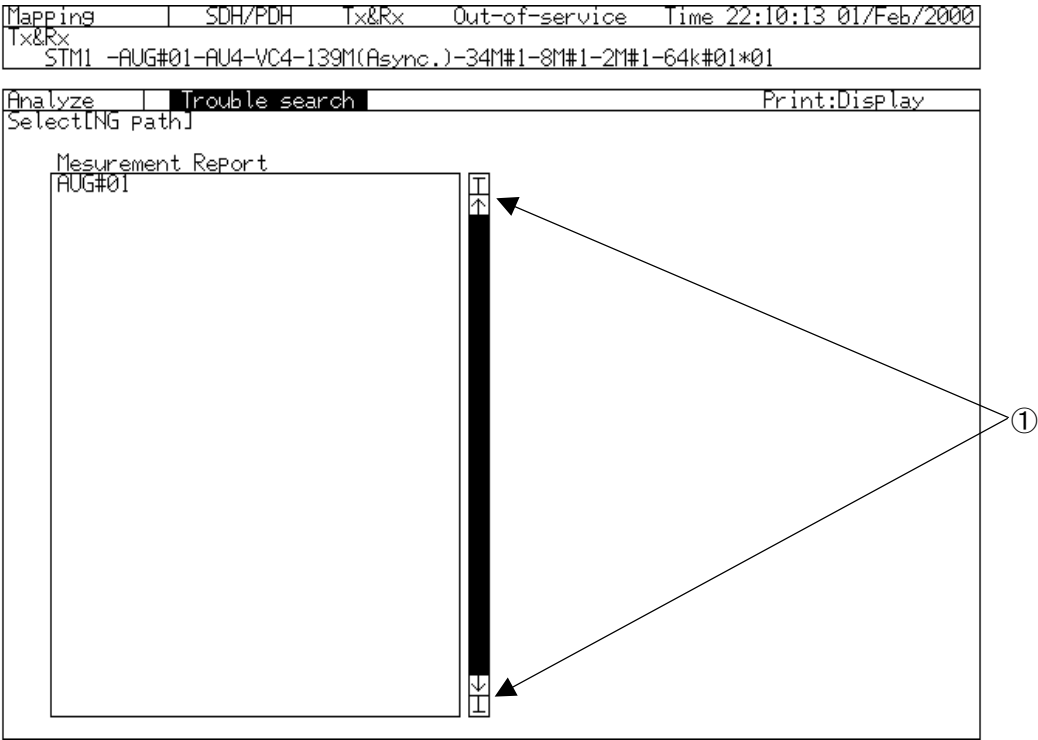
5.1 Trouble Search 副画面

5.1.1 Trouble Search副画面(1)



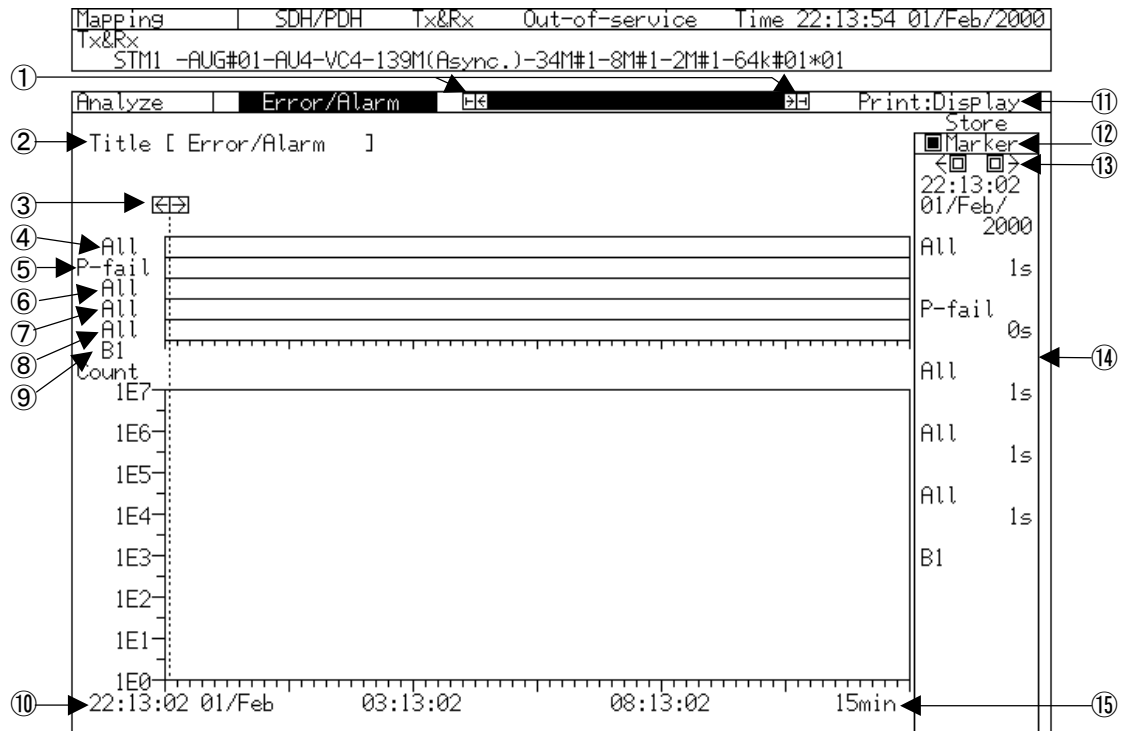
No.	Command	Page of manual
①	:DISPlay:ANALysis[:NAME] :DISPlay:ANALysis[:NAME]?	Vol.2, 10-354,355
②	:DISPlay:ANALysis:TSEarch:SElect :DISPlay:ANALysis:TSEarch:SElect?	Vol.2, 10-355,356
③	:DISPlay:ANALysis:TSEarch:SEARCh	Vol.2, 10-356
④	:DISPlay:ANALysis:TSEarch:ROUte :DISPlay:ANALysis:TSEarch:ROUte?	Vol.2, 10-356,358
⑤	:DISPlay:ANALysis:TSEarch:DATA?	Vol.2, 10-359
⑥	:DISPlay:ANALysis:TSEarch:PRINt :DISPlay:ANALysis:TSEarch:PRINt?	Vol.2, 10-361

5.1.2 Trouble Search 副画面(2)



No.	Command	Page of manual
①	:DISPlay:ANALysis:TSEarch:SCRoll	Vol.2, 10-362

5.2 Error/Alarm 副画面

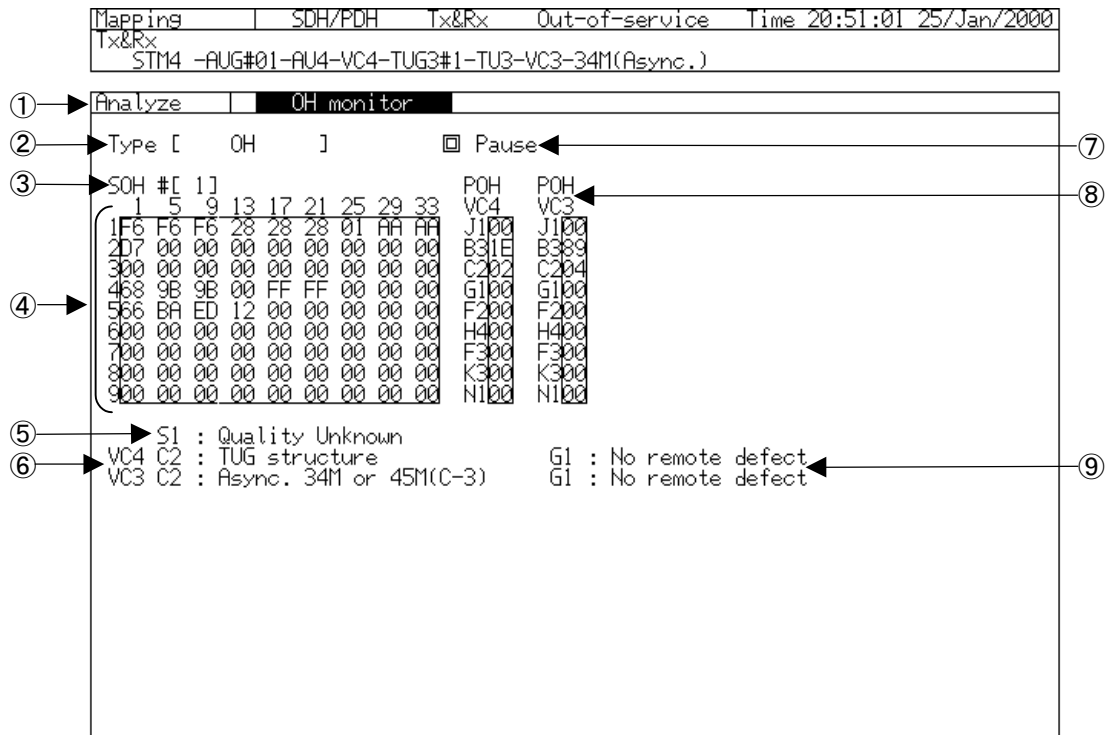


No.	Command	Page of manual
①	:DISPlay:ANALysis:TGRaph:SCRoll	Vol.2, 10-362
②	:DISPlay:ANALysis:TGRaph:TITLe :DISPlay:ANALysis:TGRaph:TITLe?	Vol.2, 10-371
③	:DISPlay:ANALysis:TGRaph:MARKer	Vol.2, 10-362
④	:DISPlay:ANALysis:TGRaph:ALARm1 :DISPlay:ANALysis:TGRaph:ALARm1?	Vol.2, 10-367,369
⑤	:DISPlay:ANALysis:TGRaph:ALARm2 :DISPlay:ANALysis:TGRaph:ALARm2?	Vol.2, 10-369
⑥	:DISPlay:ANALysis:TGRaph:ALARm3 :DISPlay:ANALysis:TGRaph:ALARm3?	Vol.2, 10-369
⑦	:DISPlay:ANALysis:TGRaph:ALARm4 :DISPlay:ANALysis:TGRaph:ALARm4?	Vol.2, 10-370
⑧	:DISPlay:ANALysis:TGRaph:ALARm5 :DISPlay:ANALysis:TGRaph:ALARm5?	Vol.2, 10-370
⑨	:DISPlay:ANALysis:TGRaph:ERRor :DISPlay:ANALysis:TGRaph:ERRor?	Vol.2, 10-366,367
⑩	:DISPlay:ANALysis:TGRaph:FROM :DISPlay:ANALysis:TGRaph:FROM?	Vol.2, 10-365,366

No.	Command	Page of manual
⑪	:DISPlay:ANALysis:TGRaph:PRINt :DISPlay:ANALysis:TGRaph:PRINt?	Vol.2, 10-370
⑫	:DISPlay:ANALysis:TGRaph:MDISplay :DISPlay:ANALysis:TGRaph:MDISplay?	Vol.2, 10-364,365
⑬	:DISPlay:ANALysis:TGRaph:SEARch	Vol.2, 10-365
⑭	:DISPlay:ANALysis:TGRaph:DATA?	Vol.2, 10-362
⑮	:DISPlay:ANALysis:TGRaph:INTerval :DISPlay:ANALysis:TGRaph:INTerval?	Vol.2,10-364

5.3 OH Monitor 副画面

5.3.1 OH Monitor副画面(1)



No.	Command	Page of manual
①	:DISPlay:ANALysis[:NAME] :DISPlay:ANALysis[:NAME]?	Vol.2, 10-354,355
②	:DISPlay:ANALysis:OHMonitor:TYPE :DISPlay:ANALysis:OHMonitor:TYPE?	Vol.2, 10-371,372
③	:DISPlay:ANALysis:OHMonitor:SOHCh :DISPlay:ANALysis:OHMonitor:SOHCh? :DISPlay:ANALysis:OHMonitor:TOHCh :DISPlay:ANALysis:OHMonitor:TOHCh?	Vol.2, 10-372
④	:DISPlay:ANALysis:OHMonitor:SOHData? :DISPlay:ANALysis:OHMonitor:TOHData?	Vol.2, 10-373
⑤	:DISPlay:ANALysis:OHMonitor:SSMessage?	Vol.2, 10-373
⑥	:DISPlay:ANALysis:OHMonitor:SLABel? :DISPlay:ANALysis:OHMonitor:PLABel?	Vol.2, 10-374
⑦	:DISPlay:ANALysis:OHMonitor:PAUSe :DISPlay:ANALysis:OHMonitor:PAUSe?	Vol.2, 10-384,385
⑧	:DISPlay:ANALysis:OHMonitor:POHData?	Vol.2, 10-374
⑨	:DISPlay:ANALysis:OHMonitor:G1Label?	Vol.2, 10-376

5.3.2 OH Monitor副画面(2)

Mapping	SDH/PDH	Tx&Rx	Out-of-service	Time 22:39:15 25/Jan/2000
Tx&Rx STM4 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC11-1.5M(Async.)				

Analyze	OH monitor
Type [OH] ☐ Pause	
SOH #[1]	POH POH
1 5 9 13 17 21 25 29 33	VC4 VC1
1F6 F6 F6 28 28 28 01 AA AA	J100 V5C4
226 00 00 00 00 00 00 00 00	B30F J200
300 00 00 00 00 00 00 00 00	C202 N200
468 9B 9B 00 FF FF 00 00 00	G100 K400
564 65 1D 12 00 00 00 00 00	F200
600 00 00 00 00 00 00 00 00	H401
700 00 00 00 00 00 00 00 00	F300
800 00 00 00 00 00 00 00 00	K300
900 00 00 00 00 00 00 00 00	N100
S1 : Quality Unknown VC4 C2 : TUG structure VC1 V5 : Asynchronous	
G1 : No remote defect K4 : No remote defect	

No.	Command	Page of manual
①	:DISPlay:ANALysis:OHMonitor:VLABel?	Vol.2, 10-375
②	:DISPlay:ANALysis:OHMonitor:K4Label? :DISPlay:ANALysis:OHMonitor:Z7Label?	Vol.2, 10-376

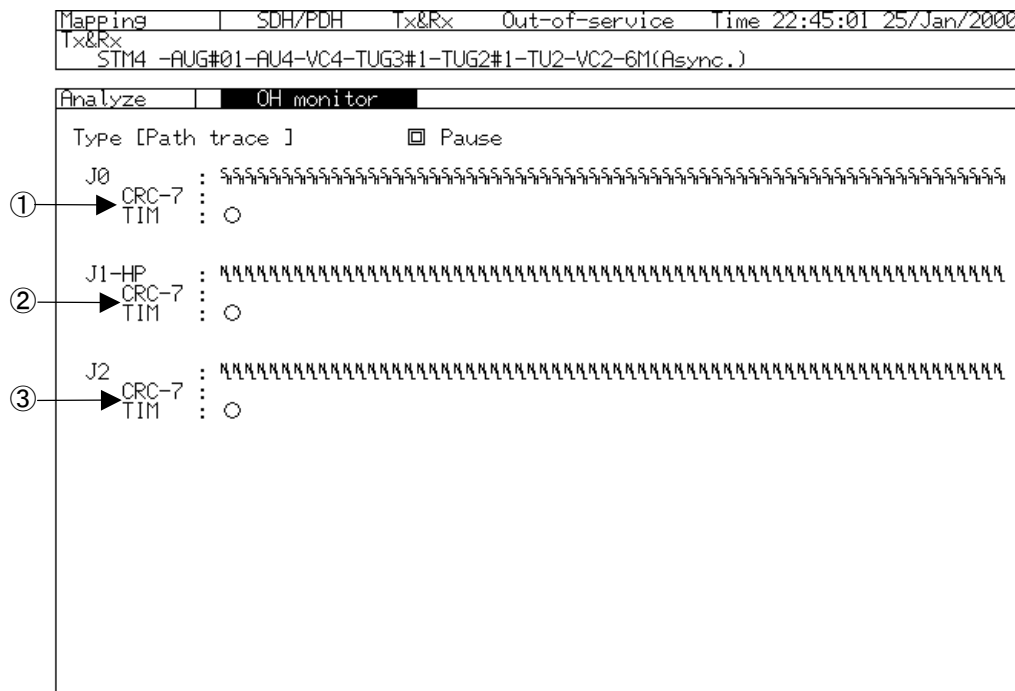
5.3.3 OH Monitor副画面(3)

MappingSDH/PDH Tx&Rx Out-of-service Time 22:43:33 25/Jan/2000
Tx&Rx
STM4 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU2-VC2-6M(Async.)

AnalyzeOH monitor
Type [PTR,K1/K2] ☐ Pause
① → { K1 Bit1-4 : 0001 Do not revert
Bit5-8 : 0010 Working #2
K2 Bit1-4 : 0000 NULL CH
Bit5 : 0 1+1 architecture
Bit6-8 : 000 Reserved
② → AU PTR : 0110 10 0
TU PTR : 0110 00 0

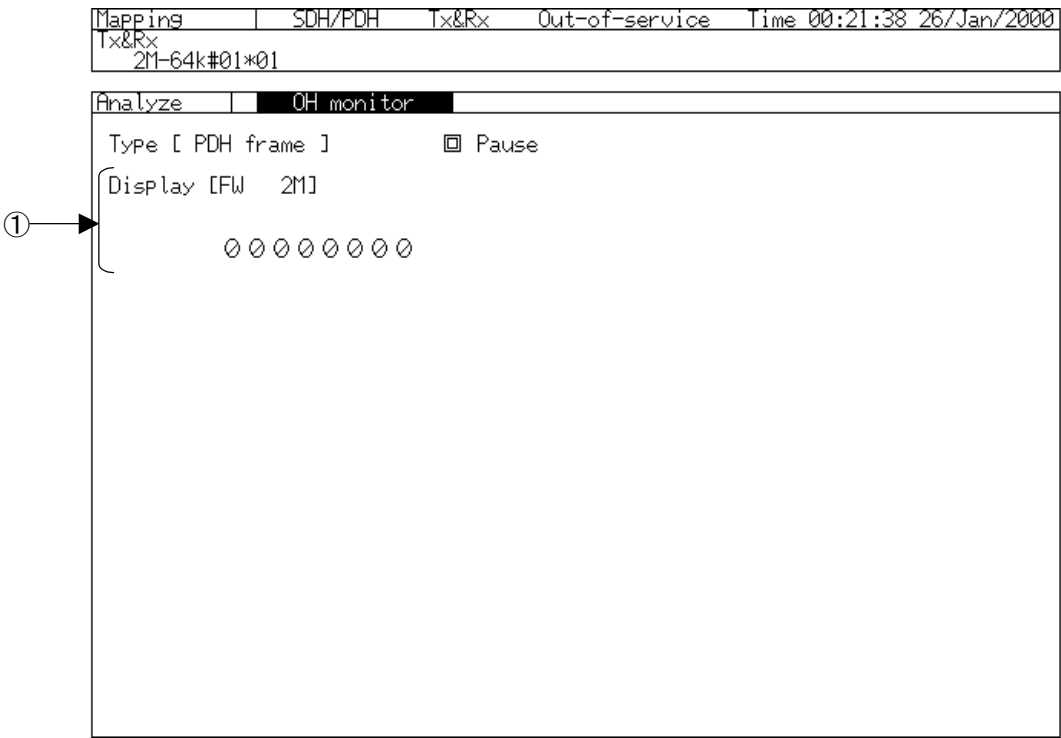
No.	Command	Page of manual
①	:DISPlay:ANALysis:OHMonitor:MSP?	Vol.2, 10-377
②	:DISPlay:ANALysis:OHMonitor:POINter?	Vol.2, 10-379

5.3.4 OH Monitor副画面(4)



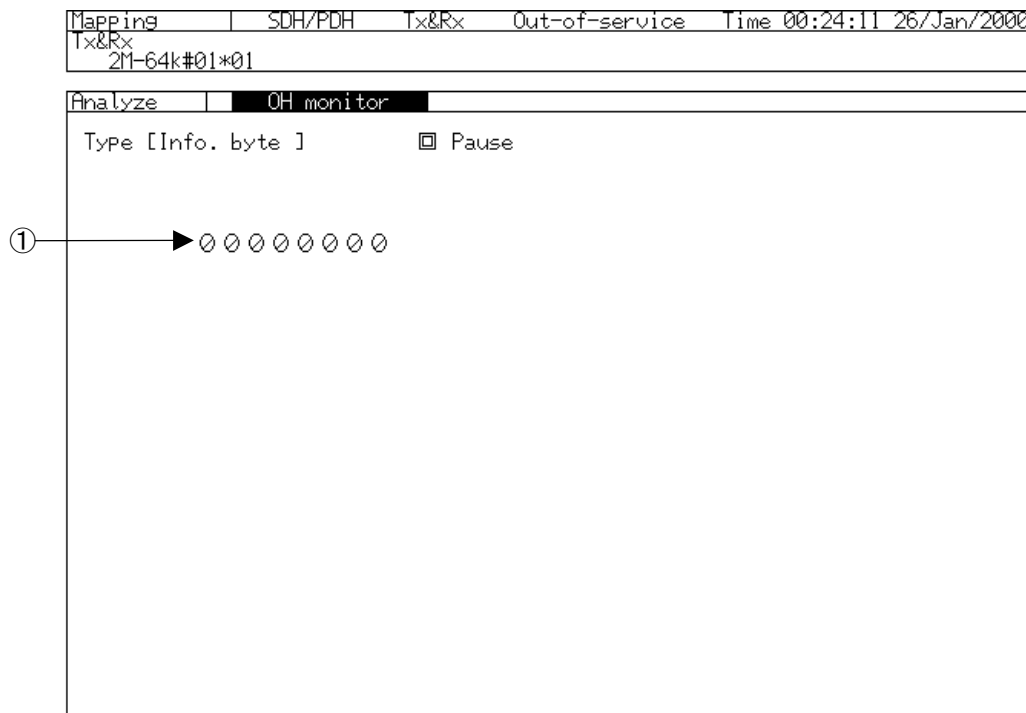
No.	Command	Page of manual
①	:DISPlay:ANALysis:OHMonitor:PTRace:J0?	Vol.2, 10-379
②	:DISPlay:ANALysis:OHMonitor:PTRace:J1H? :DISPlay:ANALysis:OHMonitor:PTRace:J1L?	Vol.2, 10-380
③	:DISPlay:ANALysis:OHMonitor:PTRace:J2?	Vol.2, 10-380

5.3.5 OH Monitor副画面(5)



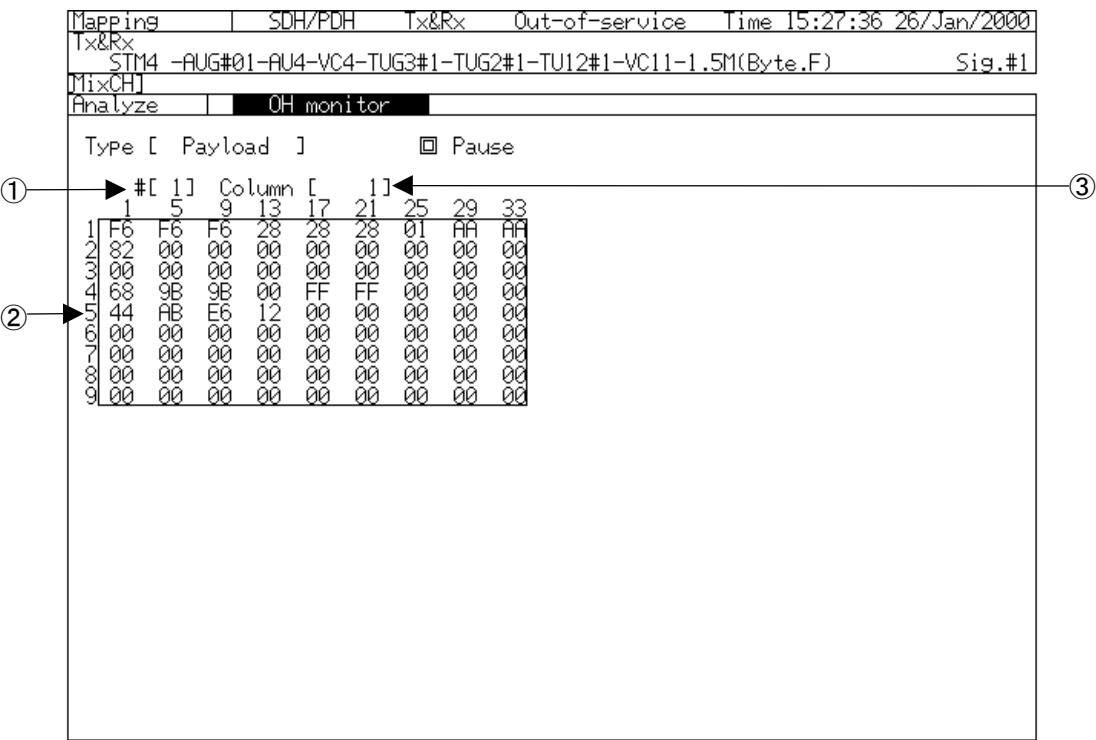
No.	Command	Page of manual
①	:DISPlay:ANALysis:OHMonitor:PFRame :DISPlay:ANALysis:OHMonitor:PFRame?	Vol.2, 10-381

5.3.6 OH Monitor副画面(6)



No.	Command	Page of manual
①	:DISPlay:ANALysis:OHMonitor:IBData?	Vol.2, 10-383

5.3.7 OH Monitor副画面(7)



No.	Command	Page of manual
①	:DISPlay:ANALysis:OHMonitor:PCH :DISPlay:ANALysis:OHMonitor:PCH?	Vol.2, 10-382
②	:DISPlay:ANALysis:OHMonitor:PAYLoad?	Vol.2, 10-382
③	:DISPlay:ANALysis:OHMonitor:PCOLumn :DISPlay:ANALysis:OHMonitor:PCOLumn?	Vol.2, 10-383

5.3.8 OH Monitor副画面(8)

Mapping	SDH/PDH	Tx&Rx	Out-of-service	Time 00:29:29 26/Jan/2000
Tx&Rx	STM1 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC11-1.5M(Byte.F)			Sig.#1
MixCH1				
Analyze	OH monitor			
① →	Type [Tandem]	☐ Pause		
	Monitor [N1-HP(Type1)]	[HEX] ←	③	
LAPD message				
Byte	Message			
1	FLAG 11110110			
2	SAPICREA 11110110			
3	TEI EA 11110110			
4	CONTROL 00101000			
② →	Type 00101000			
Infor- mation	EIC	28 01 AA AA C6 00 00 00 00 00 00		
	LIC	00 00 00 00 00 00 00 00 00 00		
	FIC	00 68 9B 9B 00 FF FF 00 00 00		
	UNITAB	38 85 12 00 00		
	FIC	00 00 00 00 00 00 00 00 00 00		
		00 00 00 00 00 00 00 00 00 00		
81/82	FCS	000E		
CRC-16 :				

No.	Command	Page of manual
①	:DISPlay:ANALysis:OHMonitor:Tcselect :DISPlay:ANALysis:OHMonitor:Tcselect?	Vol.2, 10-386
②	:DISPlay:ANALysis:OHMonitor:TANDem?	Vol.2, 10-385
③	:DISPlay:ANALysis:OHMonitor:ASCII :DISPlay:ANALysis:OHMonitor:ASCII?	Vol.2, 10-386

5.3.9 OH Monitor副画面(9)

Mapping | SDH/PDH Tx&Rx Out-of-service Time 00:30:54 26/Jan/2000

Tx&Rx STM1 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC11-1.5M(Byte.F) Sig.#1

MixCH

Analyze | OH monitor

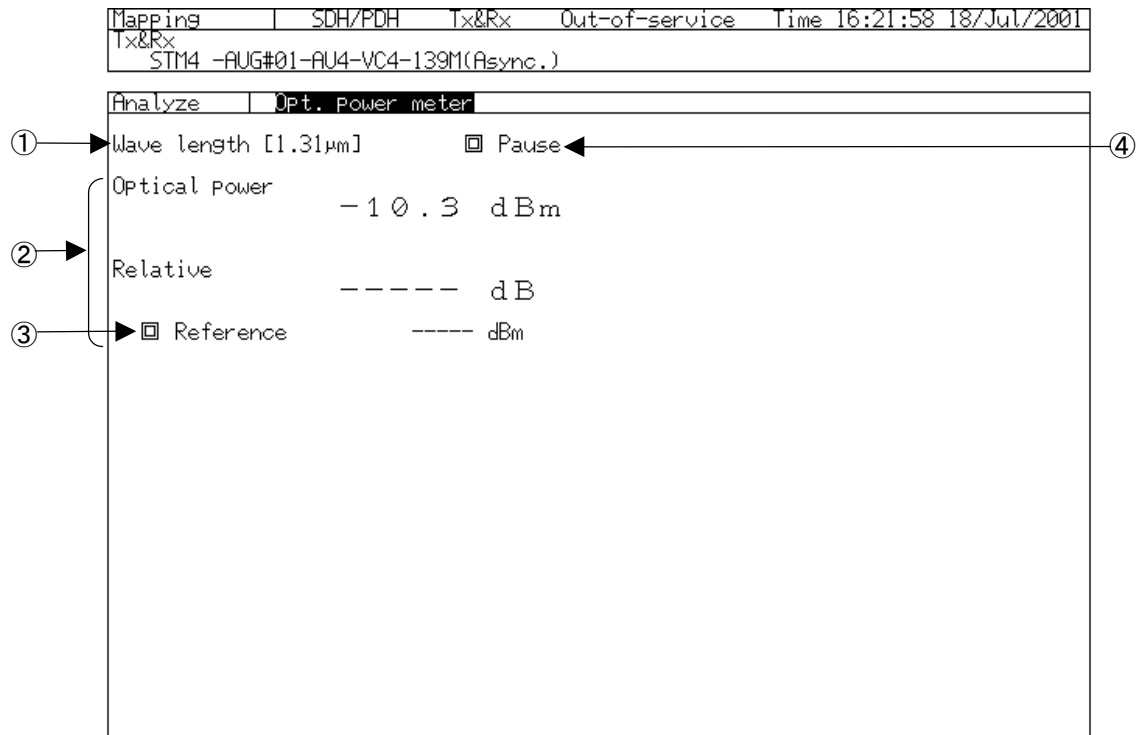
Type [Signalling] ☐ Pause

Es		00000000
ATS	(ch 1- 6)	000010
1.5MBATS		1
BATS	(ch 1- 6)	000000
LOOP-OCU		0
PTY	(ch 1- 6)	000000
BERR	(ch 1- 6)	000000
LOOP2	(B1,B2,D)	000
LP	(ch 1- 6)	000
TRACE	(ch 1- 6)	000000
Reserved(S)	(ch 1- 6)	000000
Reserved(UNR)	(ch 1- 6)	000000

① →

No.	Command	Page of manual
①	:DISPlay:ANALysis:OHMonitor:SIGDATA?	Vol.2, 10-387

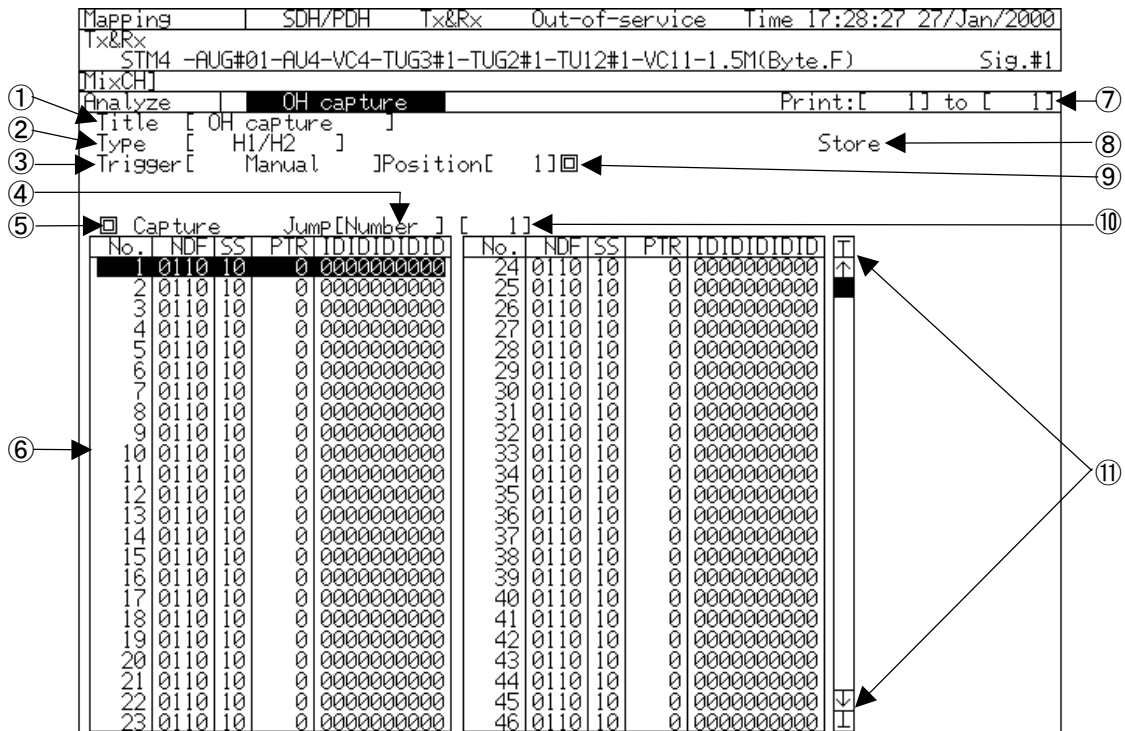
5.4 Opt. Power Meter 副画面



No.	Command	Page of manual
①	:DISPlay:ANALysis:OPMeter:WLENgth :DISPlay:ANALysis:OPMeter:WLENgth?	Vol.2, 10-388
②	:DISPlay:ANALysis:OPMeter:DATA?	Vol.2, 10-388
③	:DISPlay:ANALysis:OPMeter:REFeRence:SET	Vol.2, 10-389
④	:DISPlay:ANALysis:OPMeter:PAUSe :DISPlay:ANALysis:OPMeter:PAUSe?	Vol.2, 10-389

5.5 OH Capture 副画面

5.5.1 OH Capture副画面(1)



No.	Command	Page of manual
①	:DISPlay:ANALysis:OHCapture:TITLe :DISPlay:ANALysis:OHCapture:TITLe?	Vol.2, 10-389,390
②	:SENSe:OHCapture:TYPE :SENSe:OHCapture:TYPE?	Vol.2, 10-298
③	:SENSe:OHCapture:TRIGger:TYPE :SENSe:OHCapture:TRIGger:TYPE?	Vol.2, 10-298,301
④	:DISPlay:ANALysis:OHCapture:JUMP:TYPE :DISPlay:ANALysis:OHCapture:JUMP:TYPE?	Vol.2, 10-390
⑤	:SENSe:OHCapture:STARt :SENSe:OHCapture:STOP :SENSe:OHCapture:STATe?	Vol.2, 10-302
⑥	:CALCulate:OHCapture:DATA?	Vol.2, 10-494
⑦	:DISPlay:ANALysis:OHCapture:PRINt :DISPlay:ANALysis:OHCapture:PRINt?	Vol.2, 10-392
⑧	:SYSTem:MEMory:ANALysis:STORe	Vol.2,10-511
⑨	:SENSe:OHCapture:TRIGger:POSition :SENSe:OHCapture:TRIGger:POSition?	Vol.2,10-301

No.	Command	Page of manual
⑩	:DISPlay:ANALysis:OHCapture:JUMP:LINE :DISPlay:ANALysis:OHCapture:JUMP:LINE?	Vol.2,10-390,391
⑪	:DISPlay:ANALysis:OHCapture:SCRoll	Vol.2,10-391

5.5.2 OH Capture副画面(2)

①

MappingSDH/PDH Tx&Rx Out-of-service Time 17:33:29 27/Jan/2000

Tx&RxSTM4 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC11-1.5M(Byte.F) Sig.#1

MixCH

AnalyzeOH capturePrint:[1] to [1]

Title [OH capture]

Type [K1/K2]

Trigger [Manual]Position[1]ⓐ

Store

☐ Capture

Jump [Number] [1]

No.	K1	b1-b4	b5-b8	K2	b1-b4	b5
1	12	Do not revert	Working #2	00	NULL CH	1+1
2	12	Do not revert	Working #2	00	NULL CH	1+1
3	12	Do not revert	Working #2	00	NULL CH	1+1
4	12	Do not revert	Working #2	00	NULL CH	1+1
5	12	Do not revert	Working #2	00	NULL CH	1+1
6	12	Do not revert	Working #2	00	NULL CH	1+1
7	12	Do not revert	Working #2	00	NULL CH	1+1
8	12	Do not revert	Working #2	00	NULL CH	1+1
9	12	Do not revert	Working #2	00	NULL CH	1+1
10	12	Do not revert	Working #2	00	NULL CH	1+1
11	12	Do not revert	Working #2	00	NULL CH	1+1
12	12	Do not revert	Working #2	00	NULL CH	1+1
13	12	Do not revert	Working #2	00	NULL CH	1+1
14	12	Do not revert	Working #2	00	NULL CH	1+1
15	12	Do not revert	Working #2	00	NULL CH	1+1
16	12	Do not revert	Working #2	00	NULL CH	1+1
17	12	Do not revert	Working #2	00	NULL CH	1+1
18	12	Do not revert	Working #2	00	NULL CH	1+1
19	12	Do not revert	Working #2	00	NULL CH	1+1
20	12	Do not revert	Working #2	00	NULL CH	1+1
21	12	Do not revert	Working #2	00	NULL CH	1+1
22	12	Do not revert	Working #2	00	NULL CH	1+1
23	12	Do not revert	Working #2	00	NULL CH	1+1

No.	Command	Page of manual
①	:DISPlay:ANALysis:OHCapture:PTYPE :DISPlay:ANALysis:OHCapture:PTYPE?	Vol.2, 10-391

5.5.3 OH Capture副画面(3)

Mapping | SDH/PDH Tx&Rx Out-of-service Time 17:35:27 27/Jan/2000

Tx&Rx STM4 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC11-1.5M(Byte.F) Sig.#1

MixCH

Analyze | OH capture | Print:[1] to [1]

Title [OH capture]

Type [K1/K2] Store

Trigger[K1/K2 mismatch]Position[1]

① Pattern [0000000000000000] [HEX]

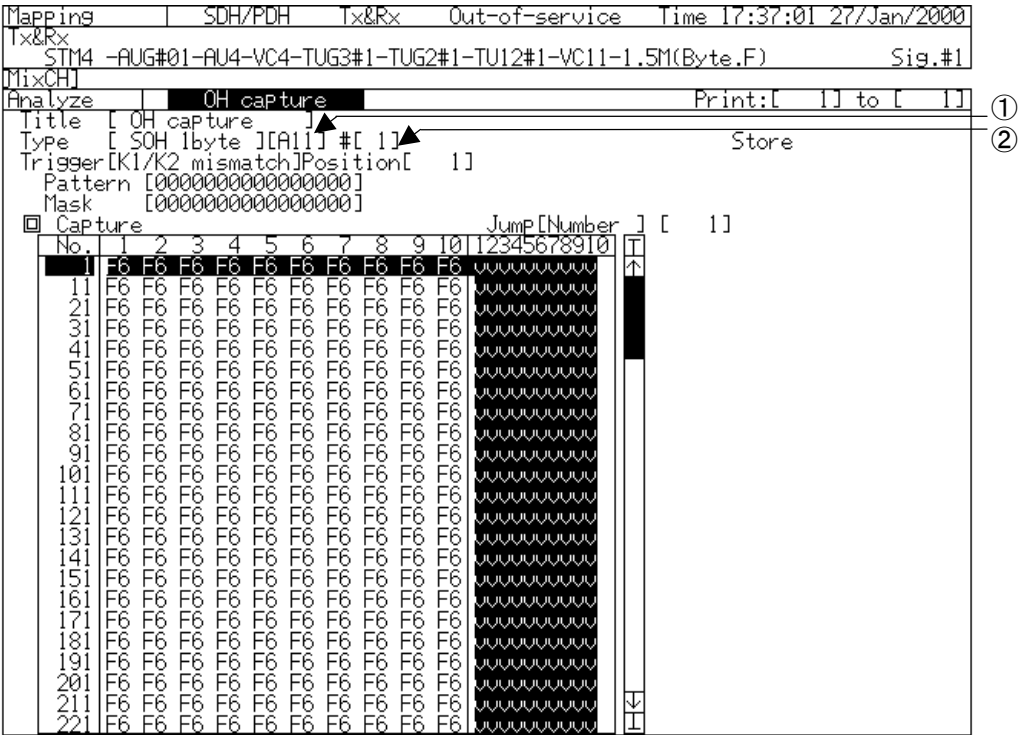
② Mask [0000000000000000]

☐ Capture Jump[Number] [1]

No.	K1	61-64	65-68	K2	61-64	65
1	12	Do not revert	Working #2	00	NULL CH	1+1
2	12	Do not revert	Working #2	00	NULL CH	1+1
3	12	Do not revert	Working #2	00	NULL CH	1+1
4	12	Do not revert	Working #2	00	NULL CH	1+1
5	12	Do not revert	Working #2	00	NULL CH	1+1
6	12	Do not revert	Working #2	00	NULL CH	1+1
7	12	Do not revert	Working #2	00	NULL CH	1+1
8	12	Do not revert	Working #2	00	NULL CH	1+1
9	12	Do not revert	Working #2	00	NULL CH	1+1
10	12	Do not revert	Working #2	00	NULL CH	1+1
11	12	Do not revert	Working #2	00	NULL CH	1+1
12	12	Do not revert	Working #2	00	NULL CH	1+1
13	12	Do not revert	Working #2	00	NULL CH	1+1
14	12	Do not revert	Working #2	00	NULL CH	1+1
15	12	Do not revert	Working #2	00	NULL CH	1+1
16	12	Do not revert	Working #2	00	NULL CH	1+1
17	12	Do not revert	Working #2	00	NULL CH	1+1
18	12	Do not revert	Working #2	00	NULL CH	1+1
19	12	Do not revert	Working #2	00	NULL CH	1+1
20	12	Do not revert	Working #2	00	NULL CH	1+1
21	12	Do not revert	Working #2	00	NULL CH	1+1
22	12	Do not revert	Working #2	00	NULL CH	1+1
23	12	Do not revert	Working #2	00	NULL CH	1+1

No.	Command	Page of manual
①	:SENSE:OHCapture:TRIGger:PATtern :SENSE:OHCapture:TRIGger:PATtern?	Vol.2, 10-301,302
②	:SENSE:OHCapture:TRIGger:MASK :SENSE:OHCapture:TRIGger:MASK?	Vol.2, 10-302

5.5.4 OH Capture副画面(4)



No.	Command	Page of manual
①	:SENSe:OHCapture:POSition:SOH :SENSe:OHCapture:POSition:SOH?	Vol.2, 10-303
②	:SENSe:OHCapture:CHANel :SENSe:OHCapture:CHANel?	Vol.2, 10-304,305

5.5.5 OH Capture副画面(5)

Mapping | SDH/PDH Tx&Rx Out-of-service Time 17:38:45 27/Jan/2000

Tx&Rx STM4 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC11-1.5M(Byte.F) Sig.#1

MixCH1

Analyze | OH capture | Print:[1] to [1] ①

Title [OH capture]

Type [POH 1byte][VC4][J1]

Trigger[K1/K2 mismatch]Position[1] Store

Pattern [0000000000000000]

Mask [0000000000000000]

☐ Capture

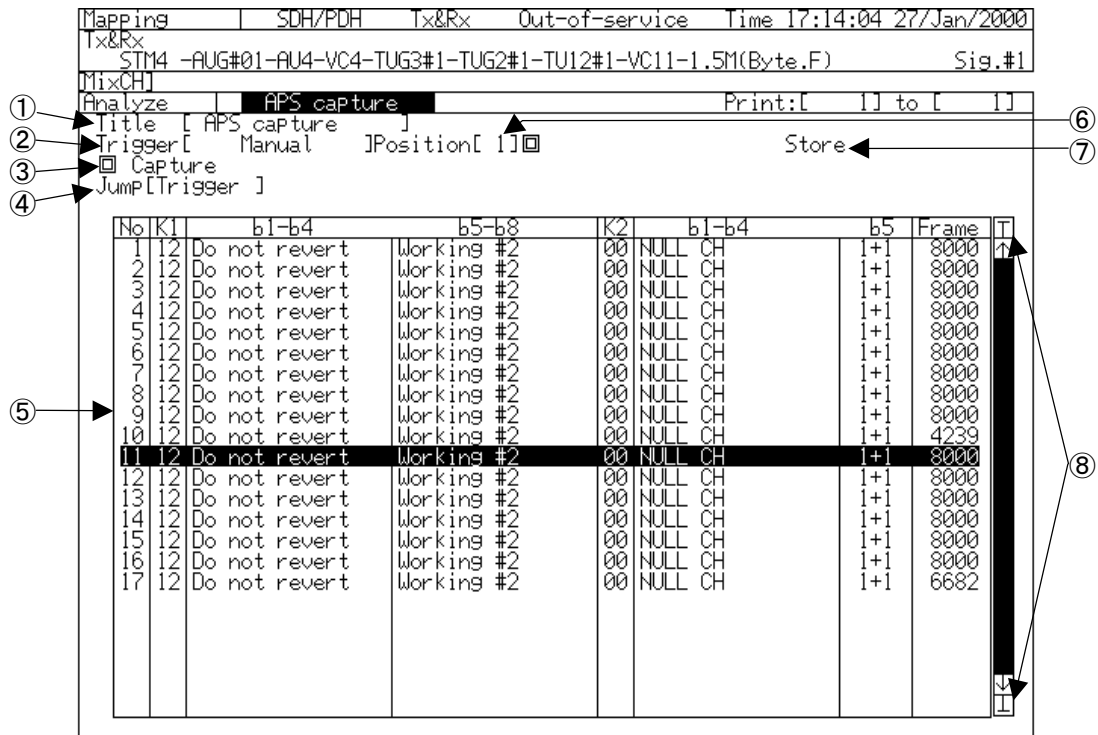
Jump [Number] [1]

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
11	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
31	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
41	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
51	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
61	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
71	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
81	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
91	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
101	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
111	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
121	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
131	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
141	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
151	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
161	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
171	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
181	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
191	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
201	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
211	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
221	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

No.	Command	Page of manual
①	:SENSe:OHCapture:POSition:POH :SENSe:OHCapture:POSition:POH?	Vol.2, 10-303,304

5.6 APS Capture 副画面

5.6.1 APS Capture副画面(1)



No.	Command	Page of manual
①	:DISPlay:ANALysis:APSCapture:TITLe :DISPlay:ANALysis:APSCapture:TITLe?	Vol.2, 10-392
②	:SENSE:APSCapture:TRIGger:TYPE :SENSE:APSCapture:TRIGger:TYPE?	Vol.2, 10-293,294
③	:SENSE:APSCapture:STARt :SENSE:APSCapture:STOP :SENSE:APSCapture:STATe?	Vol.2, 10-292,293
④	:DISPlay:ANALysis:APSCapture:JUMP:TYPE :DISPlay:ANALysis:APSCapture:JUMP:TYPE?	Vol.2, 10-392,393
⑤	:CALCulate:APSCapture:DATA?	Vol.2, 10-493
⑥	:SENSE:APSCapture:TRIGger:POSition :SENSE:APSCapture:TRIGger:POSition?	Vol.2, 10-294
⑦	:SYSTem:MEMory:ANALysis:STORe	Vol.2, 10-511
⑧	:DISPlay:ANALysis:APSCapture:SCRoll	Vol.2,10-391

5.6.2 APS Capture副画面(2)

Mapping | SDH/PDH | Tx&Rx | Out-of-service | Time 17:23:19 27/Jan/2000

Tx&Rx

STM4 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC11-1.5M(Byte.F)

Sig.#1

MixCH1

Analyze | APS capture | Print:[1] to [1]

Title [APS capture]

Trigger[K1/K2 mismatch]Position[1]

Store

☒ Capture

Jump[Number] [1] Pattern [0000000000000000]

Mask [0000000000000000]

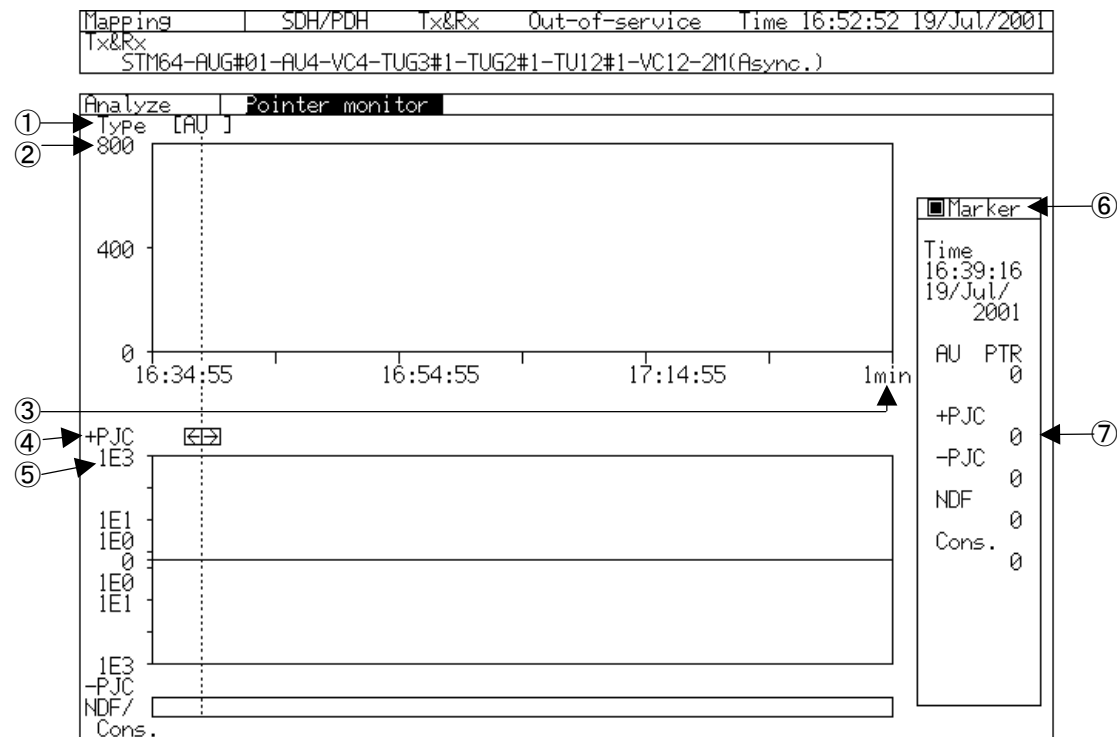
①

No	K1	b1-b4	b5-b8	K2	b1-b4	b5	Frame	T
1	12	Do not revert	Working #2	00	NULL CH	1+1	8000	↑
2	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
3	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
4	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
5	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
6	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
7	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
8	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
9	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
10	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
11	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
12	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
13	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
14	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
15	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
16	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
17	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
18	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
19	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
20	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
21	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
22	12	Do not revert	Working #2	00	NULL CH	1+1	8000	
23	12	Do not revert	Working #2	00	NULL CH	1+1	8000	↓

No.	Command	Page of manual
①	:DISPlay:ANALysis:APSCapture:JUMP:LINE :DISPlay:ANALysis:APSCapture:JUMP:LINE?	Vol.2, 10-393

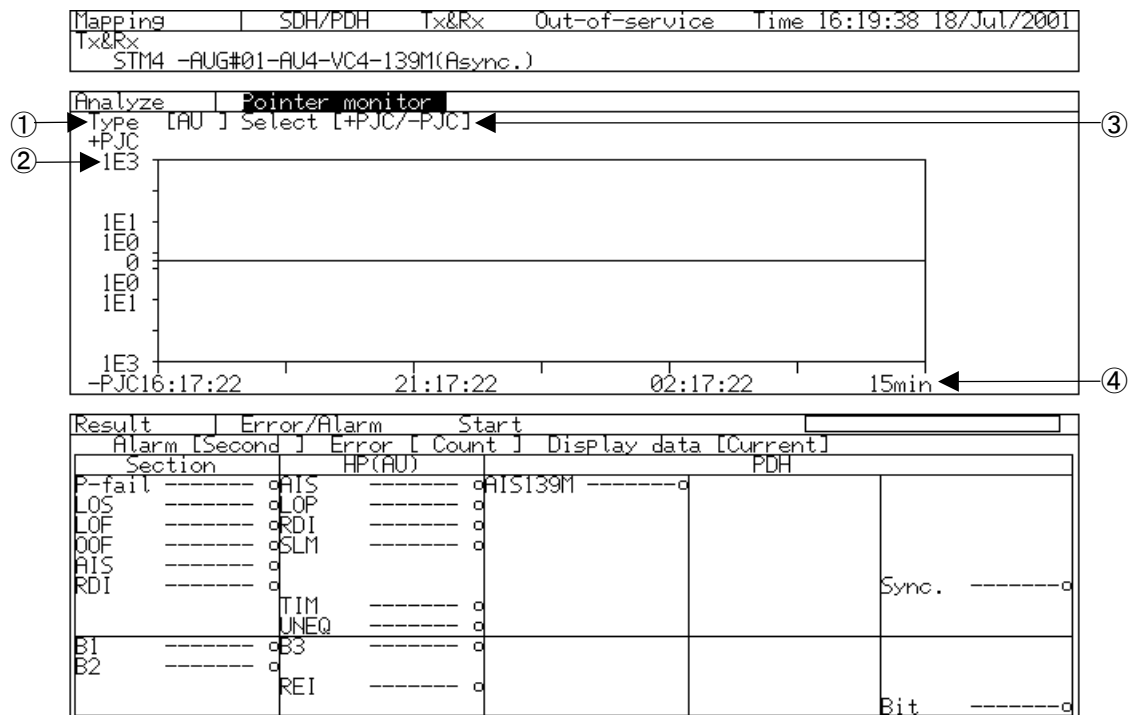
5.7 Pointer Monitor 副画面

5.7.1 Pointer Monitor副画面(1)



No.	Command	Page of manual
①	:DISPlay:ANALysis:PMONitor:TYPE :DISPlay:ANALysis:PMONitor:TYPE?	Vol.2, 10-395,396
②	:DISPlay:ANALysis:PMONitor:PSCale :DISPlay:ANALysis:PMONitor:PSCale?	Vol.2, 10-396
③	:DISPlay:ANALysis:PMONitor:INTerval :DISPlay:ANALysis:PMONitor:INTerval?	Vol.2, 10-395
④	:DISPlay:ANALysis:PMONitor:MARKer	Vol.2, 10-394
⑤	:DISPlay:ANALysis:PMONitor:JSCale :DISPlay:ANALysis:PMONitor:JSCale?	Vol.2, 10-397
⑥	:DISPlay:ANALysis:PMONitor:MDISplay :DISPlay:ANALysis:PMONitor:MDISplay?	Vol.2, 10-395
⑦	:DISPlay:ANALysis:PMONitor:DATA?	Vol.2, 10-394

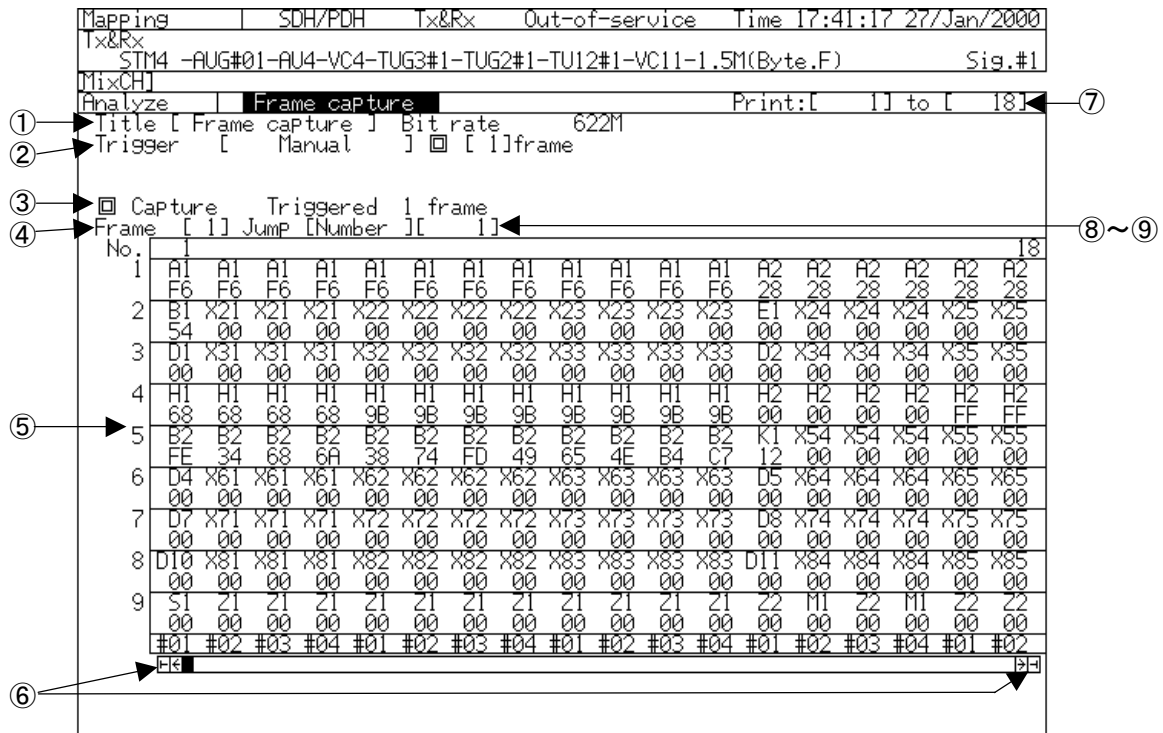
5.7.2 Pointer Monitor副画面(2)



No.	Command	Page of manual
①	:DISPlay:ANALysis:PMONitor:TYPE :DISPlay:ANALysis:PMONitor:TYPE?	Vol.2, 10-395,396
②	:DISPlay:ANALysis:PMONitor:JSCale :DISPlay:ANALysis:PMONitor:JSCale?	Vol.2, 10-397
③	:DISPlay:ANALysis:PMONitor:SElect :DISPlay:ANALysis:PMONitor:SElect?	Vol.2, 10-397
④	:DISPlay:ANALysis:PMONitor:INTerval :DISPlay:ANALysis:PMONitor:INTerval?	Vol.2, 10-395

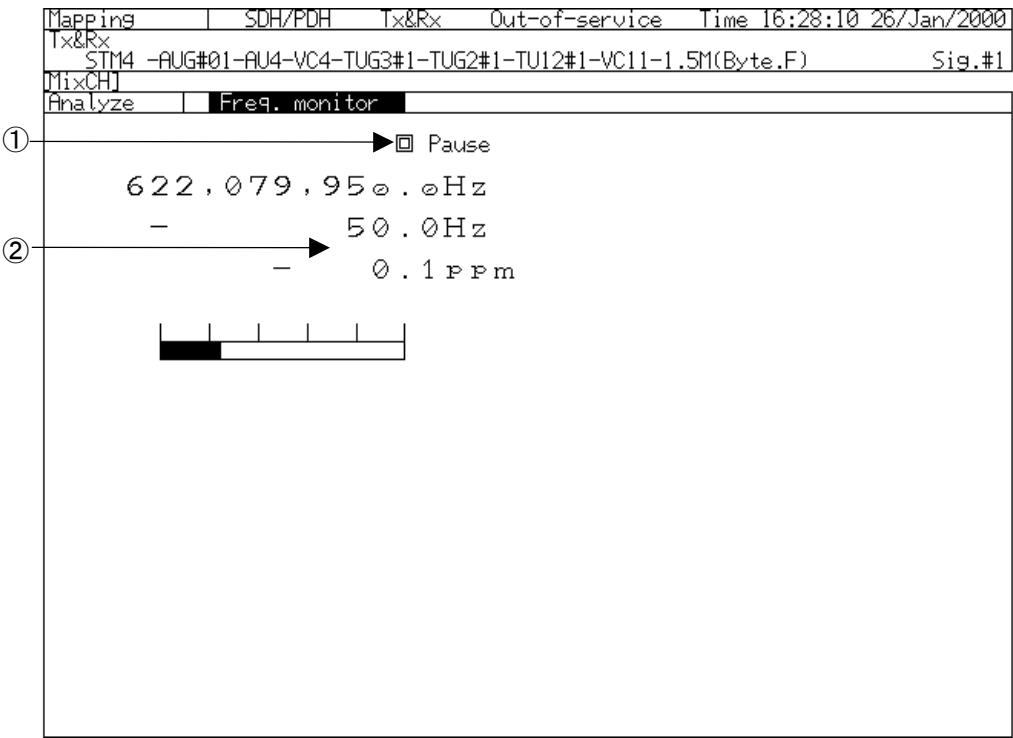
5.8 Frame Capture 副画面

5.8.1 Frame Capture副画面(1)



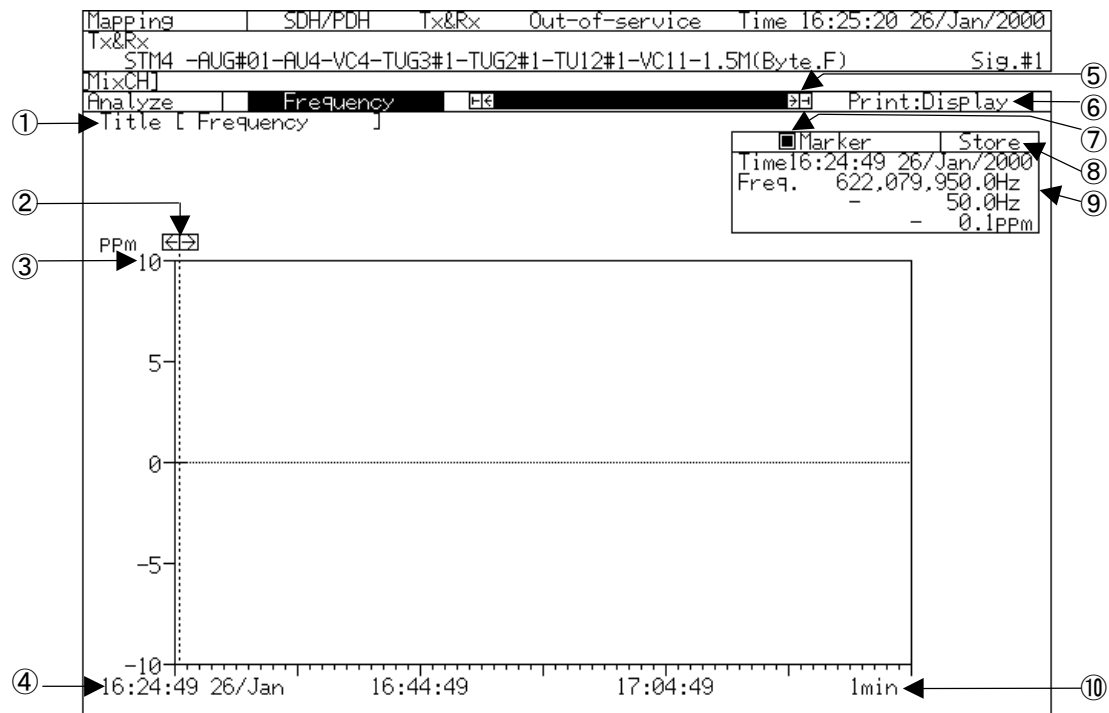
No.	Command	Page of manual
①	:DISPlay:ANALysis:FRAMEcapture:TITLe :DISPlay:ANALysis:FRAMEcapture:TITLe?	Vol.2, 10-399
②	:SENSe:FRAMEcapture:TRIGger:TYPE :SENSe:FRAMEcapture:TRIGger:TYPE?	Vol.2, 10-296,297
③	:SENSe:FRAMEcapture:STARt :SENSe:FRAMEcapture:STOP :SENSe:FRAMEcapture:STATe?	Vol.2, 10-295,296
④	:DISPlay:ANALysis:FRAMEcapture:DFrame :DISPlay:ANALysis:FRAMEcapture:DFrame?	Vol.2, 10-399
⑤	:CALCulate:FRAMEcapture:DATA?	Vol.2, 10-493
⑥	:DISPlay:ANALysis:FRAMEcapture:SCRoll	Vol.2, 10-401
⑦	:DISPlay:ANALysis:FRAMEcapture:PRINt :DISPlay:ANALysis:FRAMEcapture:PRINt?	Vol.2, 10-400,401
⑧	:DISPlay:ANALysis:FRAMEcapture:JUMP:TYPE :DISPlay:ANALysis:FRAMEcapture:JUMP:TYPE?	Vol.2, 10-399,400
⑨	:DISPlay:ANALysis:FRAMEcapture:JUMP:LINE :DISPlay:ANALysis:FRAMEcapture:JUMP:LINE?	Vol.2, 10-400

5.9 Freq. Monitor 副画面



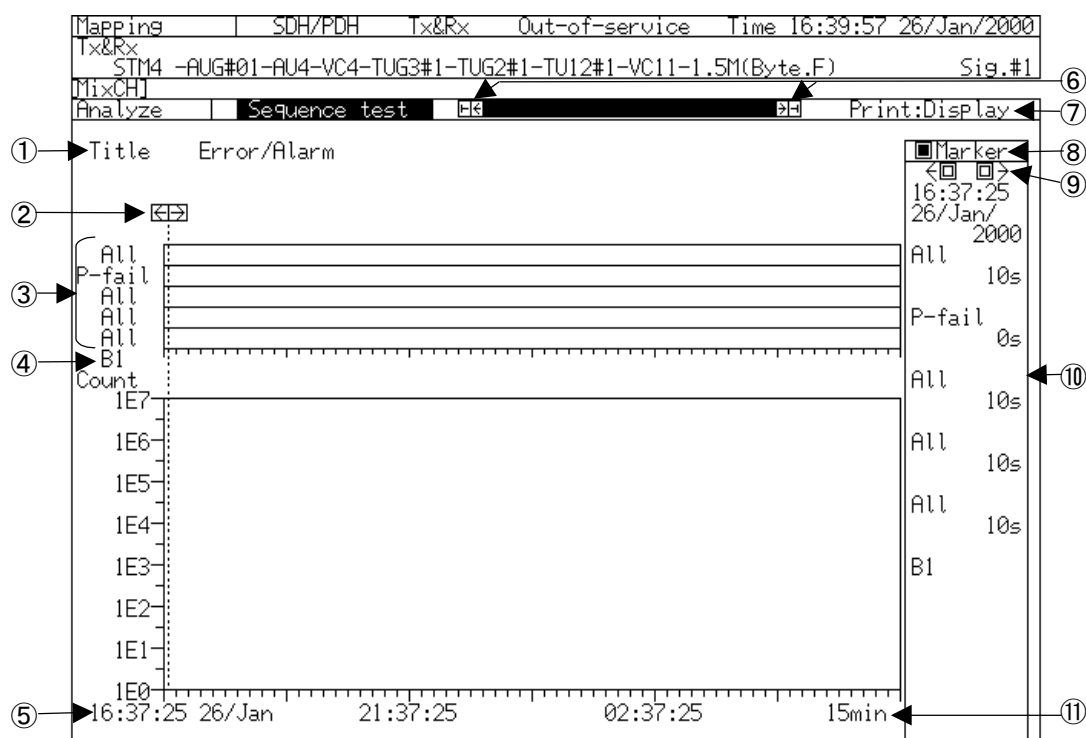
No.	Command	Page of manual
①	:DISPlay:ANALysis:FMONitor:PAUSE :DISPlay:ANALysis:FMONitor:PAUSE?	Vol.2, 10-401,402
②	:DISPlay:ANALysis:FMONitor:FREQuency?	Vol.2, 10-401

5.10 Frequency 副画面



No.	Command	Page of manual
①	:DISPlay:ANALysis:FGRaph:TITLe :DISPlay:ANALysis:FGRaph:TITLe?	Vol.2, 10-402
②	:DISPlay:ANALysis:FGRaph:MARKer	Vol.2, 10-402
③	:DISPlay:ANALysis:FGRaph:SCALe :DISPlay:ANALysis:FGRaph:SCALe?	Vol.2, 10-405,406
④	:DISPlay:ANALysis:FGRaph:FROM :DISPlay:ANALysis:FGRaph:FROM?	Vol.2, 10-404,405
⑤	:DISPlay:ANALysis:FGRaph:SCRoll	Vol.2, 10-402
⑥	:DISPlay:ANALysis:FGRaph:PRINt :DISPlay:ANALysis:FGRaph:PRINt?	Vol.2, 10-405
⑦	:DISPlay:ANALysis:FGRaph:MDISplay :DISPlay:ANALysis:FGRaph:MDISplay?	Vol.2, 10-404
⑧	:SYSTem:MMEMory:STORe	Vol.2,10-512
⑨	:DISPlay:ANALysis:FGRaph:DATA? :CALCulate:FGRaph:DATA?	Vol.2, 10-403 Vol.2, 10-491
⑩	:DISPlay:ANALysis:FGRaph:INTerval :DISPlay:ANALysis:FGRaph:INTerval?	Vol.2, 10-403,404

5.11 Sequence Test 副画面



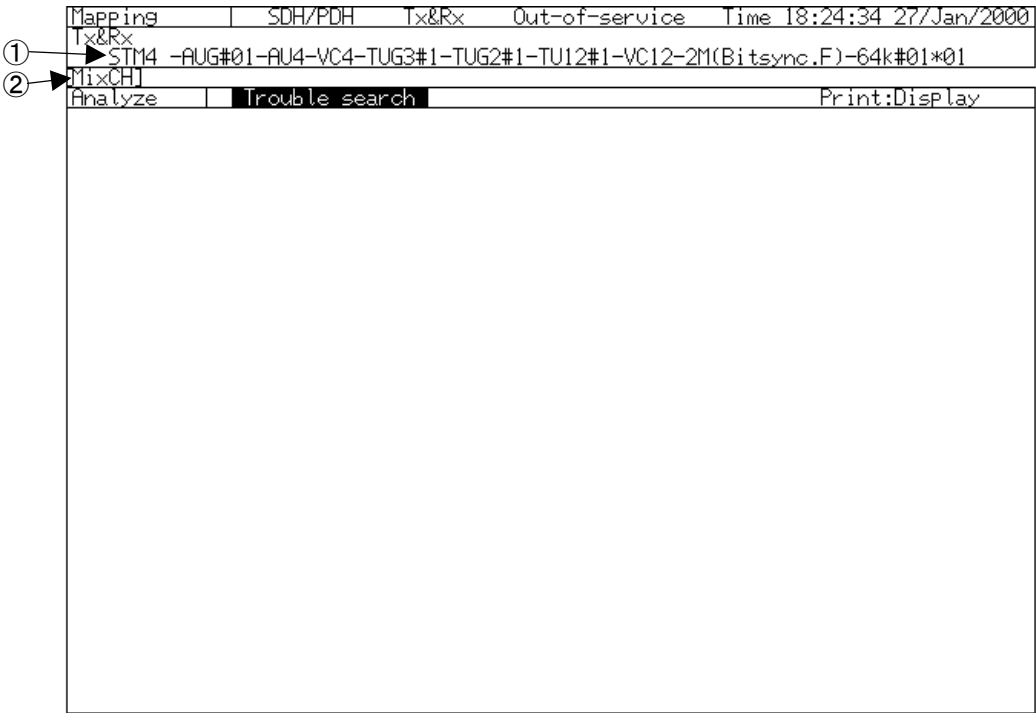
No.	Command	Page of manual
①	:DISPlay:ANALysis:SEQuencetest:TGRaph:TITLe?	Vol.2, 10-426
②	:DISPlay:ANALysis:SEQuencetest:TGRaph:MARKEr	Vol.2, 10-421
③	:DISPlay:ANALysis:SEQuencetest:TGRaph:ALARm1	Vol.2, 10-424
	:DISPlay:ANALysis:SEQuencetest:TGRaph:ALARm1?	
	:DISPlay:ANALysis:SEQuencetest:TGRaph:ALARm2	Vol.2, 10-424,425
	:DISPlay:ANALysis:SEQuencetest:TGRaph:ALARm2?	
	:DISPlay:ANALysis:SEQuencetest:TGRaph:ALARm3	Vol.2, 10-425
	:DISPlay:ANALysis:SEQuencetest:TGRaph:ALARm3?	
	:DISPlay:ANALysis:SEQuencetest:TGRaph:ALARm4	Vol.2, 10-425
	:DISPlay:ANALysis:SEQuencetest:TGRaph:ALARm4?	
④	:DISPlay:ANALysis:SEQuencetest:TGRaph:ERRor	Vol.2, 10-424
	:DISPlay:ANALysis:SEQuencetest:TGRaph:ERRor?	
⑤	:DISPlay:ANALysis:SEQuencetest:TGRaph:FROM	Vol.2, 10-423
	:DISPlay:ANALysis:SEQuencetest:TGRaph:FROM?	
⑥	:DISPlay:ANALysis:SEQuencetest:TGRaph:SCRoll	Vol.2, 10-421
⑦	:DISPlay:ANALysis:SEQuencetest:TGRaph:PRINt	Vol.2, 10-426
	:DISPlay:ANALysis:SEQuencetest:TGRaph:PRINt?	

No.	Command	Page of manual
⑧	:DISPlay:ANALysis:SEQuencetest:TGRaph:MDISplay :DISPlay:ANALysis:SEQuencetest:TGRaph:MDISplay?	Vol.2,10-422
⑨	:DISPlay:ANALysis:SEQuencetest:TGRaph:SEARCh	Vol.2, 10-423
⑩	:DISPlay:ANALysis:SEQuencetest:TGRaph:DATA?	Vol.2, 10-421
⑪	:DISPlay:ANALysis:SEQuencetest:TGRaph:INTerval :DISPlay:ANALysis:SEQuencetest:TGRaph:INTerval?	Vol.2, 10-422

6.1	Mapping.....	6-2
6.1.1	Mapping(1).....	6-2
6.1.2	Mapping(2).....	6-3
6.1.3	Mapping(3).....	6-4
6.1.4	Mapping(4).....	6-5

6.1 Mapping

6.1.1 Mapping(1)



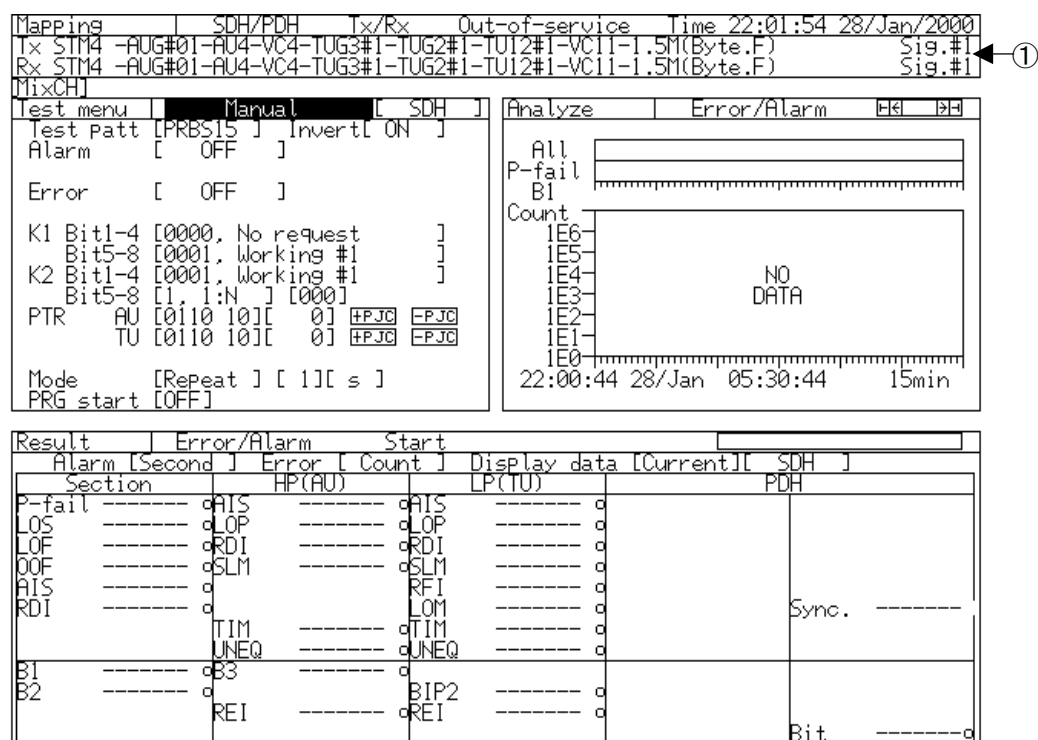
No.	Command	Page of manual
①	:SOURce:TELEcom:MAPPing:ROUTE	Vol.2, 10-42,44
	:SOURce:TELEcom:MAPPing:ROUTE?	
	:SOURce:TELEcom:MUX:ROUTE	Vol.2, 10-57,59
	:SOURce:TELEcom:MUX:ROUTE?	
	:SOURce:TELEcom:MUX:N	Vol.2, 10-59
	:SOURce:TELEcom:MUX:N?	
②	:DISPlay:MAPPing:MIXCh	Vol.2, 10-328

6.1.2 Mapping(2)

Mapping	SDH/PDH	Tx/Rx	Out-of-service	Time 18:32:02 27/Jan/2000
① → Tx STM4	-AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC12-2M(Bitsync.F)-64k#01*01			
Rx STM4	-AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU12#1-VC12-2M(Bitsync.F)-64k#01*01			
MixCH1				
Analyze	Trouble search			Print:Display

No.	Command	Page of manual
①	:SENSe:TELEcom:MAPPing:ROUTe	Vol.2, 10-244,245
	:SENSe:TELEcom:MAPPing:ROUTe?	
	:SENSe:TELEcom:DEMUX:ROUTe	Vol.2, 10-248,249
	:SENSe:TELEcom:DEMUX:ROUTe?	
	:SENSe:TELEcom:DEMUX:N	Vol.2, 10-250
	:SENSe:TELEcom:DEMUX:N?	

6.1.3 Mapping(3)



No.	Command	Page of manual
①	:SOURce:TELEcom:MAPPing:SIG	Vol.2, 10-44,45
	:SOURce:TELEcom:MAPPing:SIG?	
	:SENSE:TELEcom:MAPPing:SIG	Vol.2, 10-246,247
	:SENSE:TELEcom:MAPPing:SIG?	

6.1.4 Mapping(4)

Mapping SDH/PDH Tx/Rx Out-of-service Time 15:12:22 28/Jun/2001

Tx STM1 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU2-VC2-mc*4
Rx STM1 -AUG#01-AU4-VC4-TUG3#1-TUG2#1-TU2-VC2-mc*1

Test menu Freq. sweep

Tx Mod. freq. [2.0JHz]
Freq. offset [± 100 PPm]
Step [4PPm]
Rx Detection [1s error]

Error [B1]
Unit [Count]
Threshold [1]
Waiting time [0.0]s
Mask [G.958 Type A]

Press <Start> key.

Result Freq. sweep Start

No	PPm	UIP-P	No	PPm	UIP-P	No	PPm	UIP-P	No	PPm	UIP-P
1	-100	---	11	-60	---	21	-20	---	31	+20	---
2	-96	---	12	-56	---	22	-16	---	32	+24	---
3	-92	---	13	-52	---	23	-12	---	33	+28	---
4	-88	---	14	-48	---	24	-8	---	34	+32	---
5	-84	---	15	-44	---	25	-4	---	35	+36	---
6	-80	---	16	-40	---	26	0	---	36	+40	---
7	-76	---	17	-36	---	27	+4	---	37	+44	---
8	-72	---	18	-32	---	28	+8	---	38	+48	---
9	-68	---	19	-28	---	29	+12	---	39	+52	---
10	-64	---	20	-24	---	30	+16	---	40	+56	---

No.	Command	Page of manual
①	:SOURce:TELEcom:MAPPING:MC	Vol.2, 10-44
	:SOURce:TELEcom:MAPPING:MC?	
	:SENSe:TELEcom:MAPPING:MC	Vol.2, 10-245,246
	:SENSe:TELEcom:MAPPING:MC?	

