

GPIB Command Syntax

for

**GSM/GPRS/EGPRS Mobile Test Application E1968A Revision
A.06**

**GSM/GPRS Lab Application E6701D/E (including E6704A
EGPRS) Revision D.03/E.00**

1000-1919



www.agilent.com/find/E1968A

www.agilent.com/find/E6701D

www.agilent.com/find/E6701E

Notice

Information contained in this document is subject to change without notice.

All Rights Reserved. Reproduction, adaptation, or translation without prior written permission is prohibited, except as allowed under the copyright laws.

This material may be reproduced by or for the U.S. Government pursuant to the Copyright License under the clause at DFARS 52.227-7013 (APR 1988).

Agilent Technologies, Inc.
Learning Products Department
24001 E. Mission
Liberty Lake, WA 99019-9599
U.S.A.

Contents

ABORt	10
AFGenerator	11
CALibration	11
CALCulate:SMONitor	12
CALL:ATTached	13
CALL:BA	13
CALL:BAND	14
CALL:BCCode	14
CALL:BCHannel	15
CALL:BURSt	18
CALL:CA	18
CALL:CONNected	18
CALL:COUNt	19
CALL:CPNumber	22
CALL:DATA	23
CALL:DCONnected	24
CALL:DEModulation	24
CALL:END	24
CALL:FUNcTion	25
CALL:HANdover HANdoff	27
CALL:IATTach	27
CALL:IMEI	27
CALL:LACode	27
CALL:MCCCode	27
CALL:MNCCode	28
CALL:MODulation	28
CALL:MS	29
CALL:NCCCode	39
CALL:OPERating	39
CALL:ORIGinate	40
CALL:PACCH PACChannel	40
CALL:PAGing	41
CALL:PBCCH PBCChannel	42
CALL:PBPTest	44
CALL[:CELL]:PCAType	44
CALL:PDTCH PDTChannel	45
CALL:PLOGging	57
CALL:PMNCode	58
CALL:POWer	59
CALL:PPRocedure:ATTach	59
CALL:PPRocedure:DETach	60
CALL:PPRocedure:IDENtity	61

Contents

CALL:PPRocedure:PDPContext	62
CALL:PPRocedure:PMEasurement:ADATa	63
CALL:PPRocedure:PMEasurement:MPRequest	64
CALL:PPRocedure:PMEasurement:PERRor	70
CALL:PPRocedure:PMEasurement:PIPE	70
CALL:PPRocedure:PMEasurement:PREsponse:AVailable?	71
CALL:PPRocedure:PMEasurement:PREsponse:LIERror	71
CALL:PPRocedure:PMEasurement:PREsponse:LIInformation	72
CALL:PPRocedure:PMEasurement:PREsponse:MIInformation	73
CALL:PPRocedure:PMEasurement:PREsponse:MSETs	75
CALL:PPRocedure:PMEasurement:PREsponse:RIIdentity	75
CALL:RACode	76
CALL:RFGenerator	76
CALL:SETup	77
CALL:SIGNaling	79
CALL:SMSService	80
CALL:STATus	85
CALL:TBFLOW	87
CALL:TCHannel	88
CALL:TMSI	98
CALL:TRANsferring	98
CALL:TRIGger	99
CALL:UTRan	105
DISPlay	107
FETCH:AAUDIO	108
FETCH:BERRor	110
FETCH:<BFInDication BFI>	112
FETCH:BLERror	113
FETCH:DAUDIO	117
FETCH:DPOWER	117
FETCH:EDPower	119
FETCH:EMACcuracy	120
FETCH:ETXPower	124
FETCH:FBERror	125
FETCH:FFERate	125
FETCH:FSTability	126
FETCH:GBERror	127
FETCH:IFERror	127
FETCH:IQTuning	128
FETCH:MTAudio	129
FETCH:ORFSpectrum	130
FETCH:PCALibration	132

Contents

FETCh:PFERror	133
FETCh:PVTime	135
FETCh:SBERror	139
FETCh:SMONitor	140
FETCh:TXPower	140
INITiate	141
READ	143
RFANalyzer	146
RFGenerator:OUTPut	147
SETup:AAUDio	148
SETup:BERror	150
SETup:<BFINdication BFI>	151
SETup:BLERror	152
SETup:CONTinuous	152
SETup:DAUDio	153
SETup:DPOWER	154
SETup:EDPower	155
SETup:EMACcuracy	157
SETup:ETXPower	159
SETup:FBERror	161
SETup:FFERate	162
SETup:FSTability	163
SETup:GBERror	164
SETup:IFERror	165
SETup:IQTuning	166
SETup:MTAudio	169
SETup:ORFSpectrum	173
SETup:PCALibration	178
SETup:PFERror	180
SETup:PVTime	183
SETup:SBERror	188
SETup:SMONitor	189
SETup:TXPower	191
STATus:OPERation	193
STATus:PRESet	201
STATus:QUEStionable	202
Status Byte Register	208
Standard Event Status Register	208
SYSTem:APPLication	209
SYSTem:AUDio	210
SYSTem:CONFigure	210
SYSTem:COMMunicate	210

Contents

SYSTem:CORRection	211
SYSTem:CURRent:TA	212
SYSTem:DATE	212
SYSTem:ERRor?	212
SYSTem:FTRigger	213
SYSTem:FATal	213
SYSTem:MEASurement	213
SYSTem:PRESet	214
SYSTem:REGister	214
SYSTem:ROSCillator	214
SYSTem:SYNChronized	214
SYSTem:TIME	215
SYSTem:TZONE	215
SYSTem:UTC	215
IEEE 488.2 Common Commands	215

GPIB Syntax for E1968A/E6701D/E6704A

Description

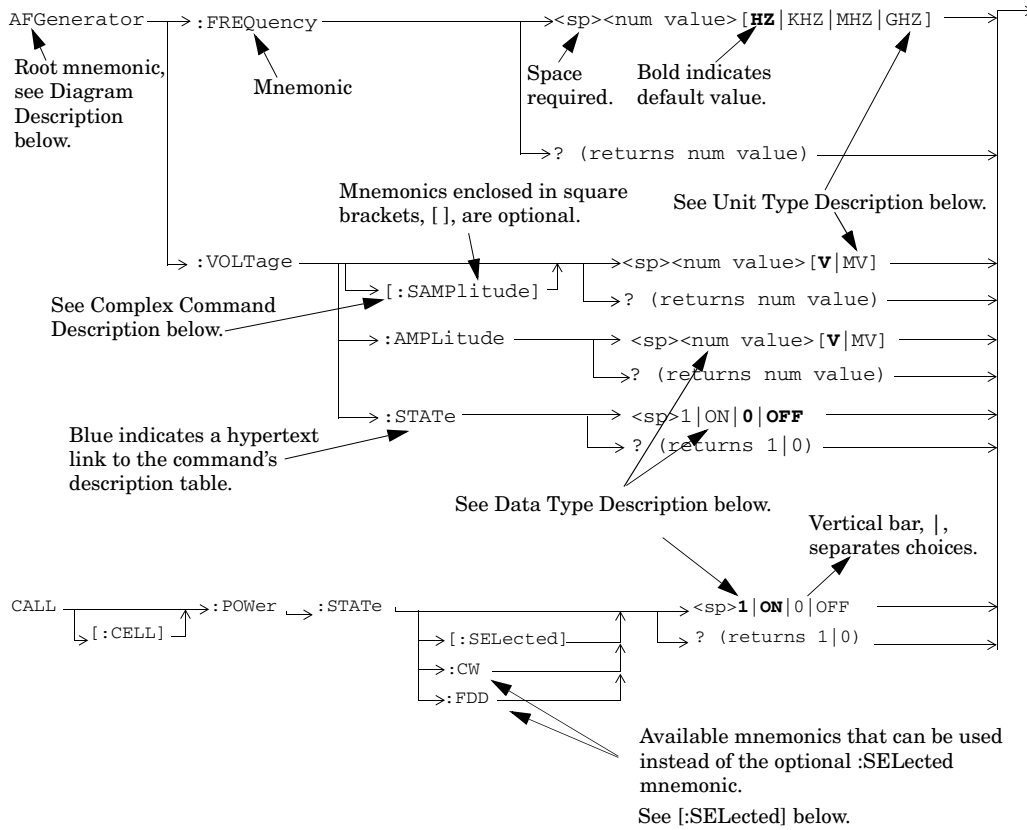


Diagram Description

Mnemonics are connected by lines. Each line can be followed in only one direction, as indicated by the arrow at the end of the line. Any combination of mnemonics that can be generated by starting at the root mnemonic and following the line in the direction of the arrow is syntactically correct.

The uppercase letters of a mnemonic represent the short form of the mnemonic, whereas the long form of a mnemonic is the short form followed by the lowercase letters. The test set accepts either the long form or the

GPIO Syntax for E1968A/E6701D/E6704A

short form of the mnemonic. The mnemonics that are inside square brackets are optional. That is, a command operates the same whether or not the mnemonic in square brackets is used in the command.

The drawings show the proper use of spaces. Where spaces are required they are indicated by <sp>, otherwise no spaces are allowed between mnemonics.

Complex Command Description

Complex commands are valuable because they set the state of the parameter and a value for that parameter. For example, the command in the above figure that contains the mnemonic [:SAMPlitude] is a complex command because sets the state to ON as well as the amplitude. You can use parameters such as amplitude, frequency, gain, number, time, and value as a complex command. Refer to the specific command for the parameter that applies.

Data Type Description

num value	Integer, float or scientific values. For example, CALL:POWer -55.5 CALL:POWer -5.55E+001 CALL:CHANnel 525
string	Characters. The string will often need to be enclosed in single or double quotes, depending upon your programming environment. For example, CALL:UPLink:PRACHannel:ASUBchannels '111111111111' The string returned by the test set is enclosed by double quotes.
choice1 choice2 choice3	Specific character choices. For example, CALL:OPERating:MODE D2KTest SYSTem:COMMunicate:GPIO:DEBug ON

Unit Type Description

Some commands have optional units of measurement. These are displayed in square brackets. If no units are specified in the command then the default unit in bold font is used. The test set accepts the specified unit either with or without a space inserted between the <num value> and the unit (for example, both 10S and 10 S are valid). The following table summarizes the units available.

Description	Optional Units	Example
Amplitude (linear)	V MV	To set the spectrum monitor's timeout interval to 20 seconds, use any of the following formats: SETup:SMONitor:TIMEout:TIME 20 SETup:SMONitor:TIMEout:TIME 20S SETup:SMONitor:TIMEout:TIME 20 S
Power (logarithmic)	DBM DBW	
Level (relative)	DB	
Frequency	HZ KHZ MHZ GHZ	
Time	S MS US NS	
Percentage	PCT	

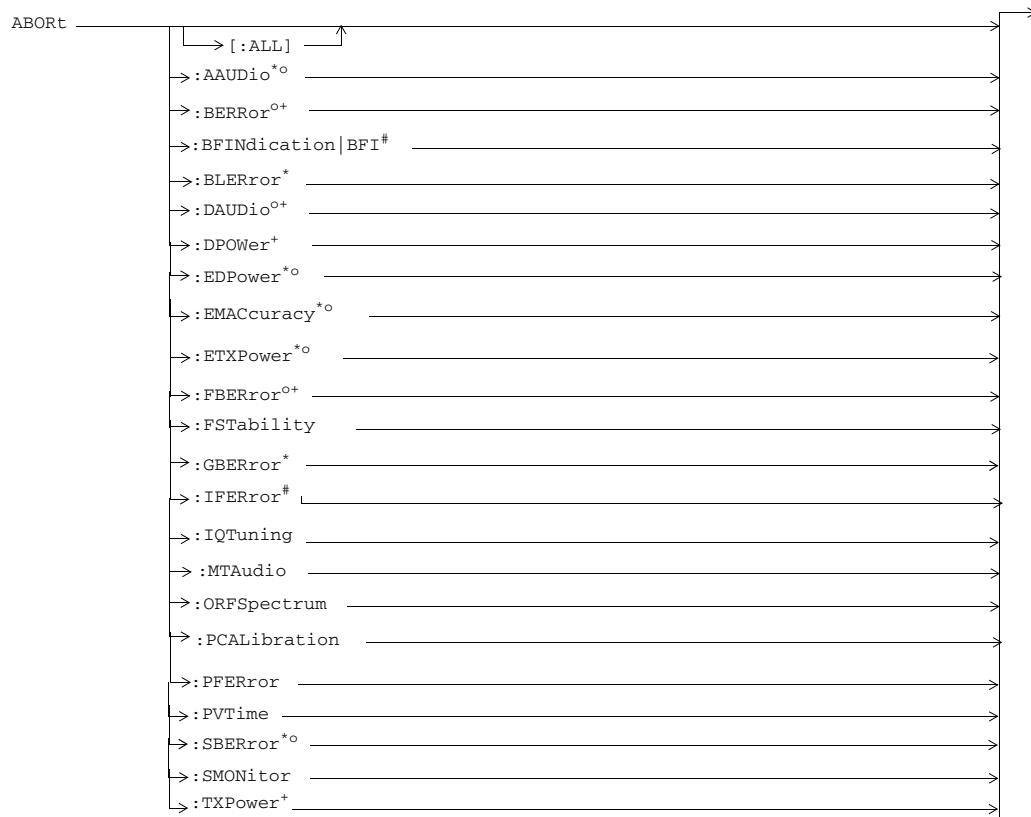
[[:SE]Lected] Mnemonic

The [[:SE]Lected] Mnemonic is an optional mnemonic that implies a current selection on the test set. Often there are other mnemonics that can be used in place of the [[:SE]Lected] mnemonic to configure a setting that is not the currently selected configuration on the test set. The mnemonics that can replace the [[:SE]Lected] mnemonic are listed in parentheses separated by vertical bars (|) in the description table title. An example of a command that contains the [[:SE]Lected] mnemonic is shown in the following table.

CALL[:CELL]:POWER:AMPLitude[:SE]Lected]		Available mnemonics that can be use instead of the optional [[:SE]Lected] mnemonic.
CALL[:CELL]:POWER:AMPLitude:(CW FDD) ←		
Function	Sets/queries the desired cell power level. (See "Cell Pow information about desired versus current power levels.) The optional [[:SE]Lected] keyword in this command spec queried applies to the current system type (see "CALL[:C settings for the CW operating mode are independent of operating modes.	
Setting	Range: (This is the range of settings accepted, see "Cell I Ranges" for the actual hardware range of the source <ul style="list-style-type: none"> FDD: -165 dBm/3.84MHz to +37 dBm/3.84MHz CW: -177 dBm to +46 dBm 	

GPiB Syntax for E1968A/E6701D/E6704A

ABORT



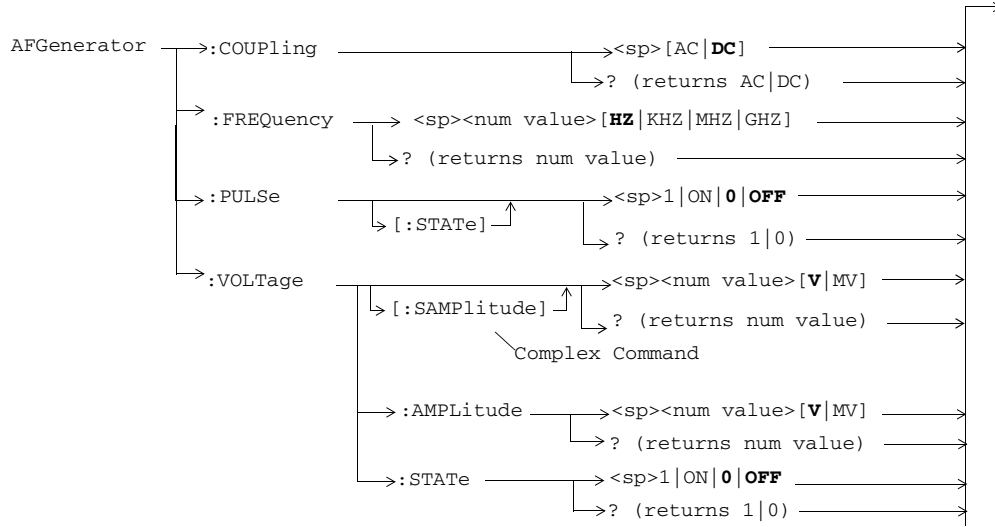
* Not applicable to GSM.

^o Not applicable to GPRS.

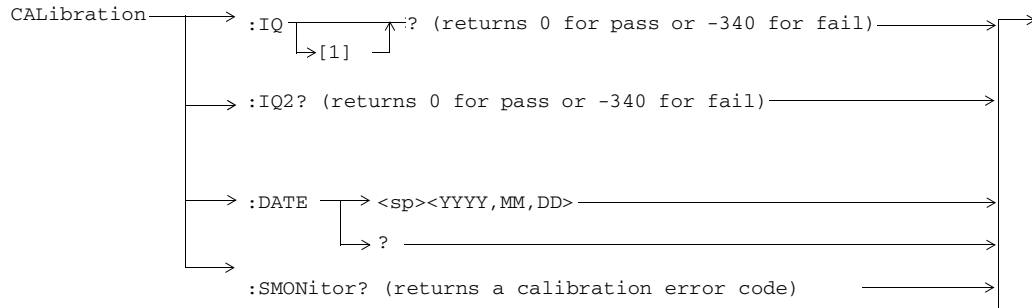
⁺ Not applicable to EGPRS.

[#] Only applicable to the GSM/GPRS lab application.

AFGenerator

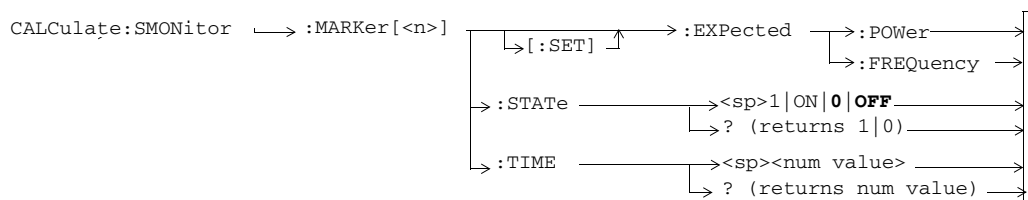
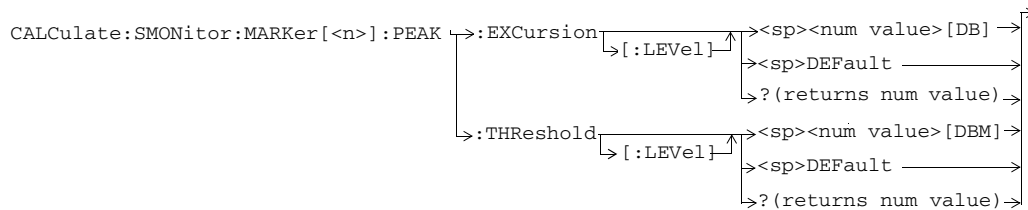
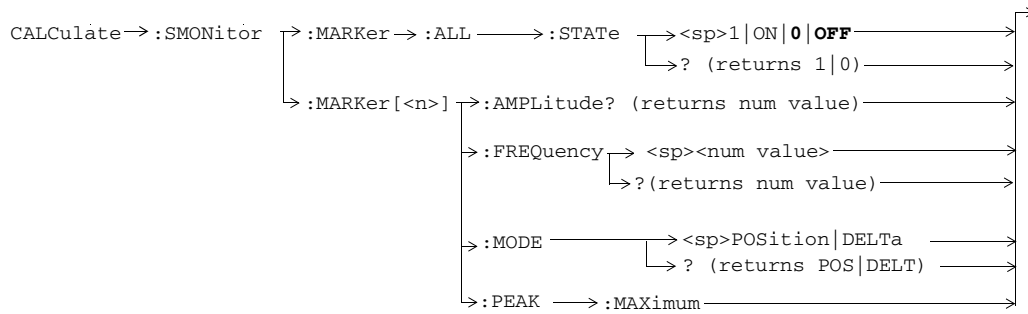


CALibration

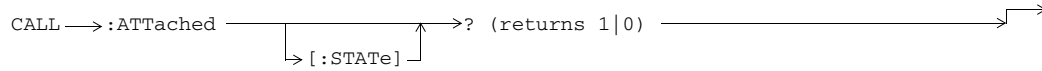


GPIO Syntax for E1968A/E6701D/E6704A

CALCulate:SMONitor

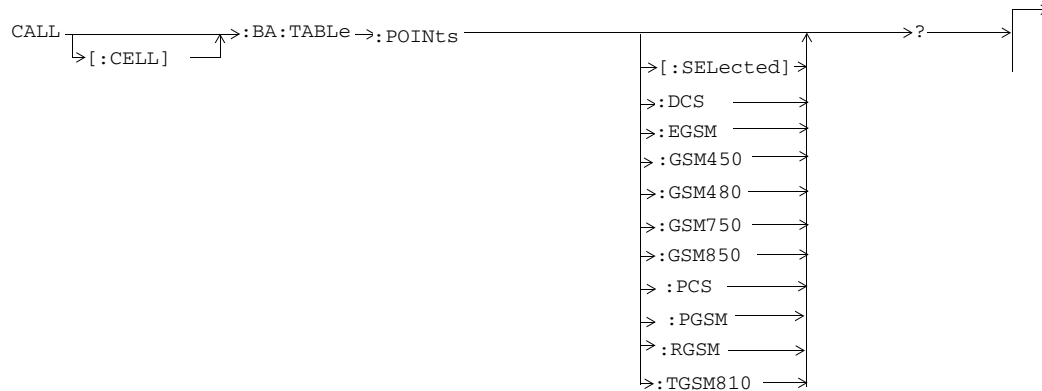
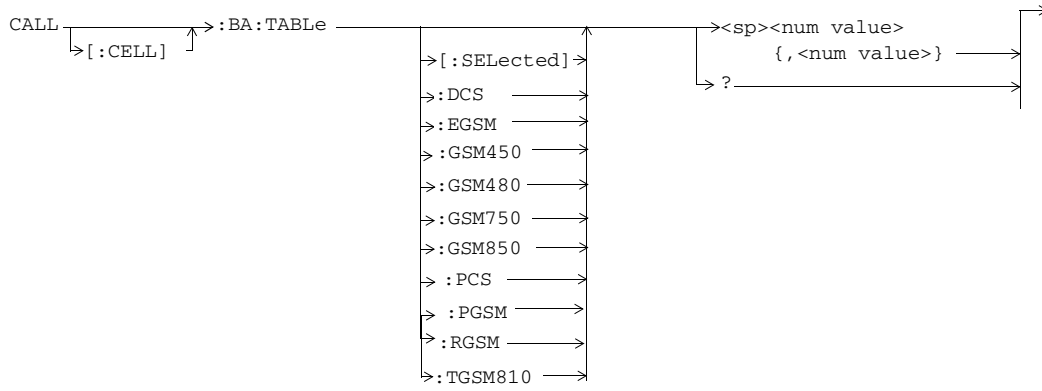


CALL:ATTached



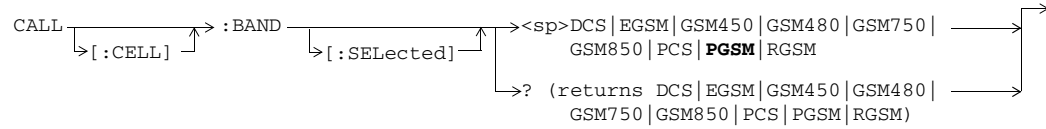
This diagram is not applicable to GSM.

CALL:BA

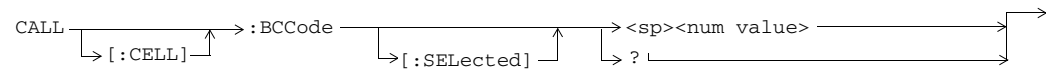


GPIO Syntax for E1968A/E6701D/E6704A

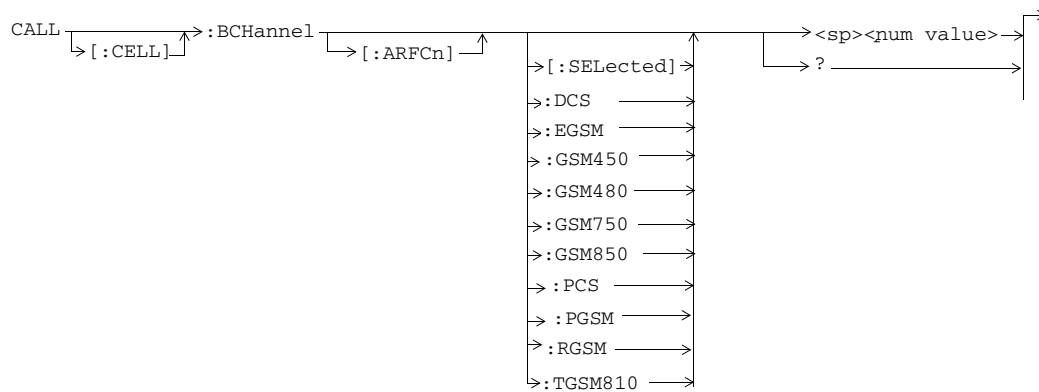
CALL:BAND



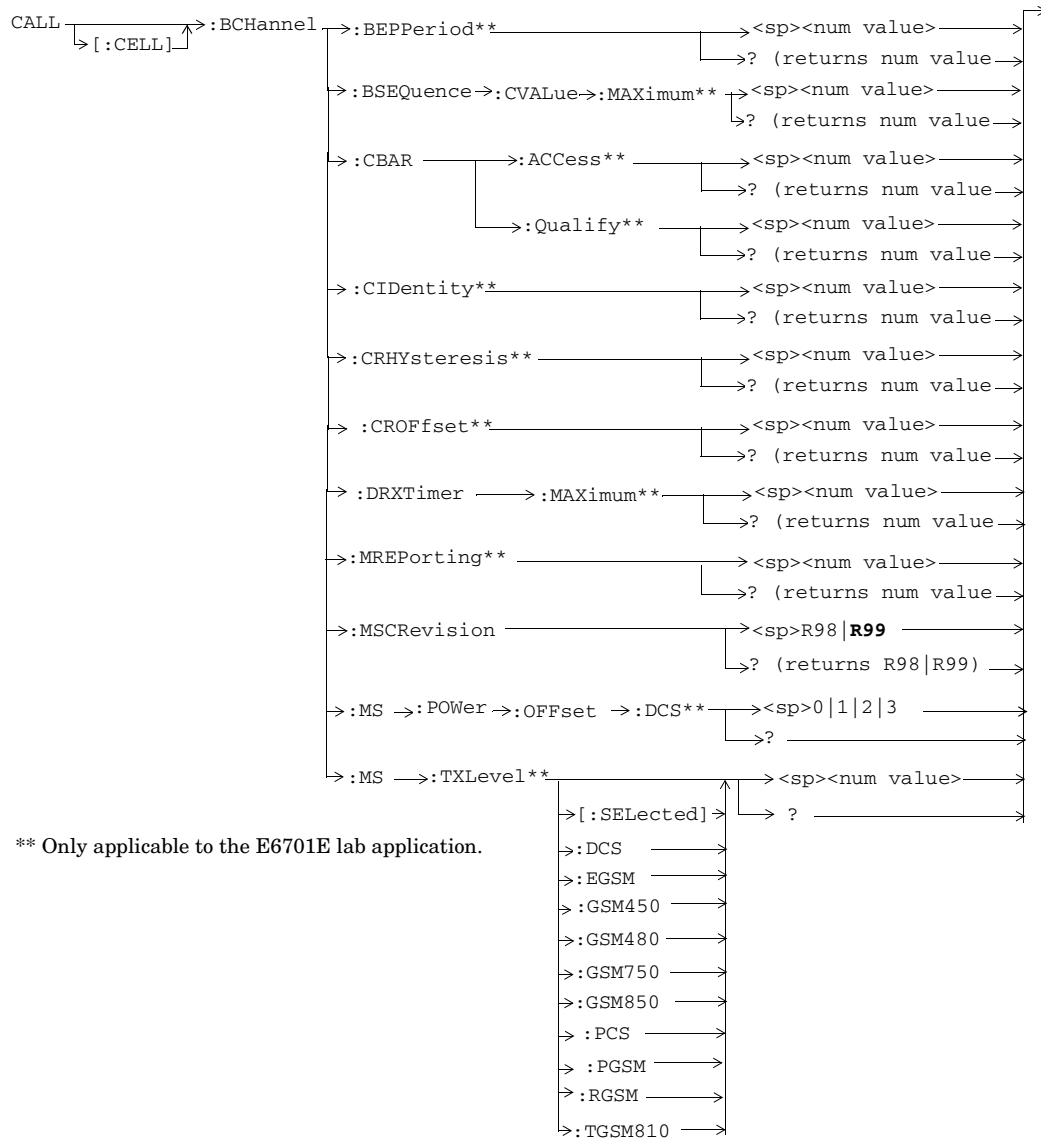
CALL:BCCode



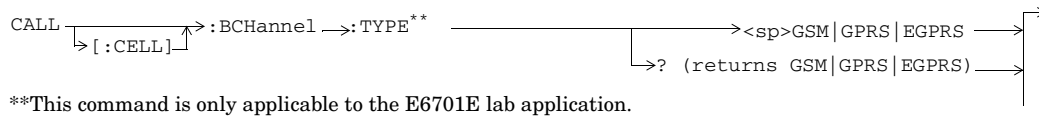
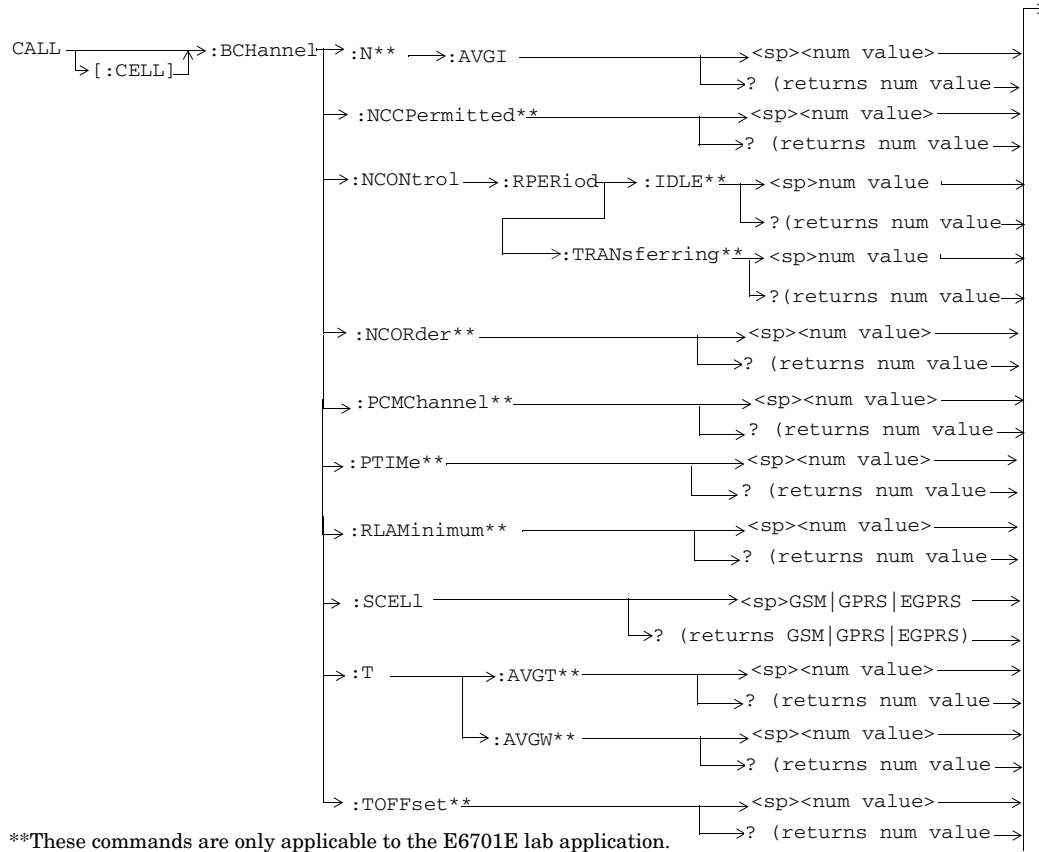
CALL:BCHannel



GPiB Syntax for E1968A/E6701D/E6704A

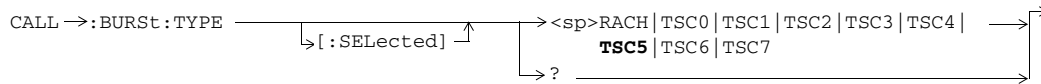


GPIO Syntax for E1968A/E6701D/E6704A

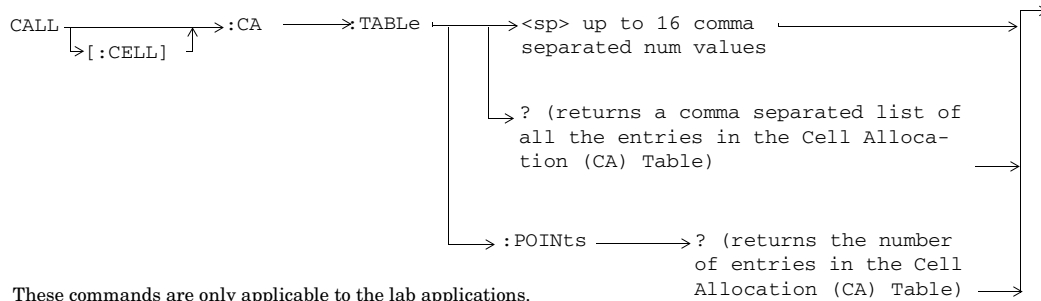


GPiB Syntax for E1968A/E6701D/E6704A

CALL:BURSt

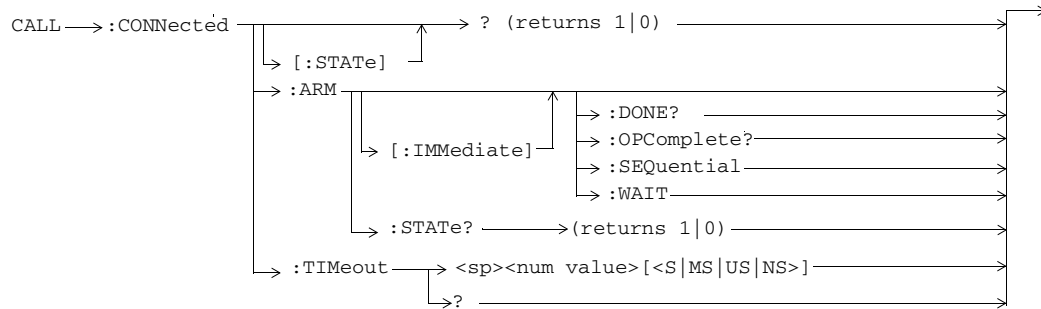


CALL:CA



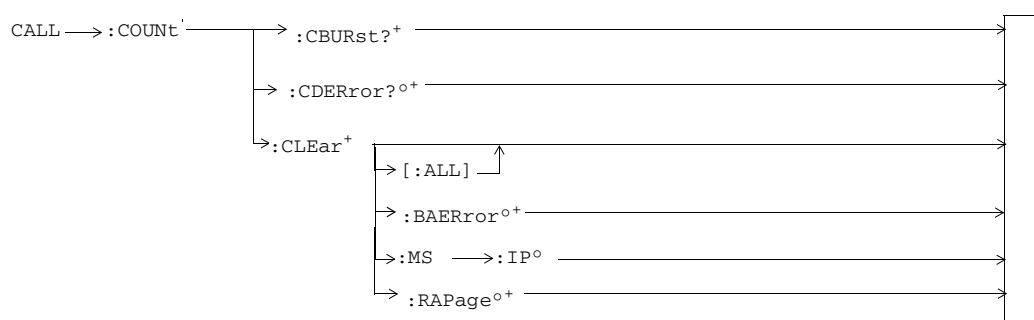
These commands are only applicable to the lab applications.

CALL:CONNected



These commands are not applicable to GPRS.

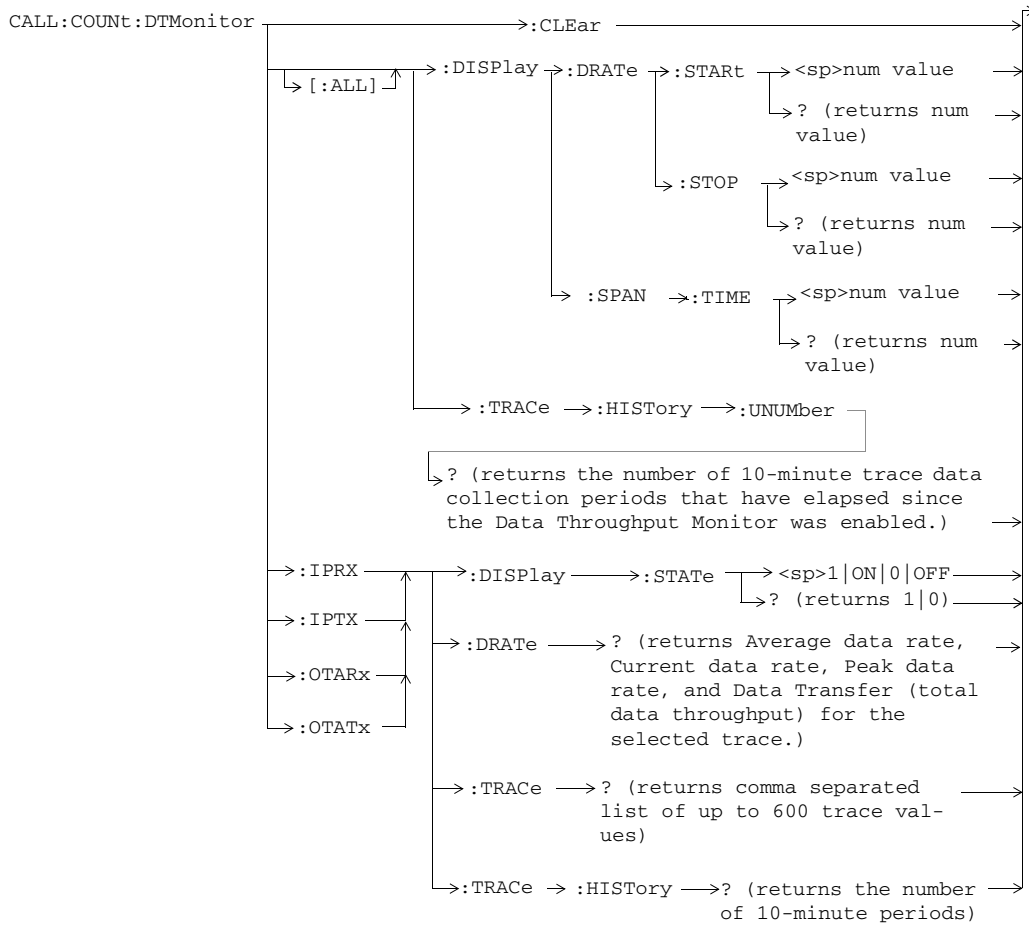
CALL:COUNT



+These commands are only applicable to the test applications.

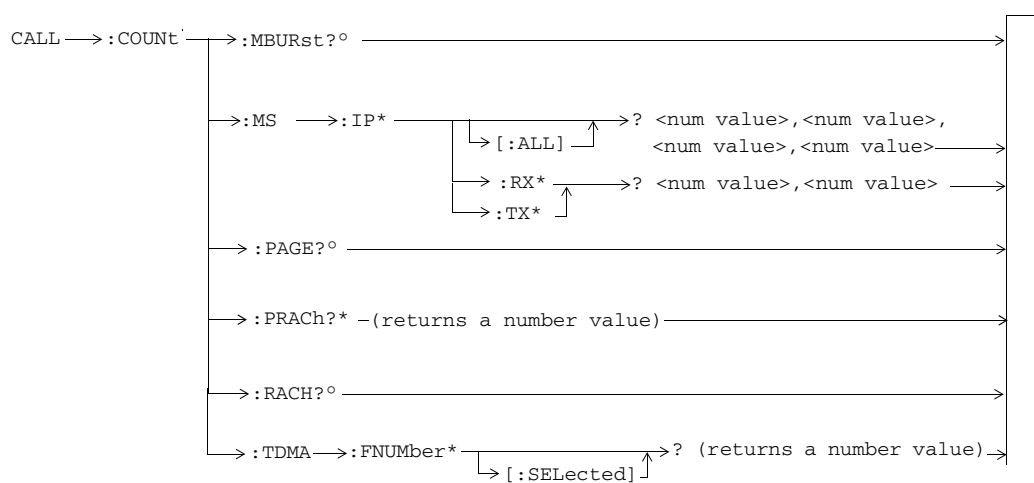
°These commands are only applicable to the lab applications.

GPiB Syntax for E1968A/E6701D/E6704A



All commands shown in this diagram are only applicable to the lab application.

GPiB Syntax for E1968A/E6701D/E6704A

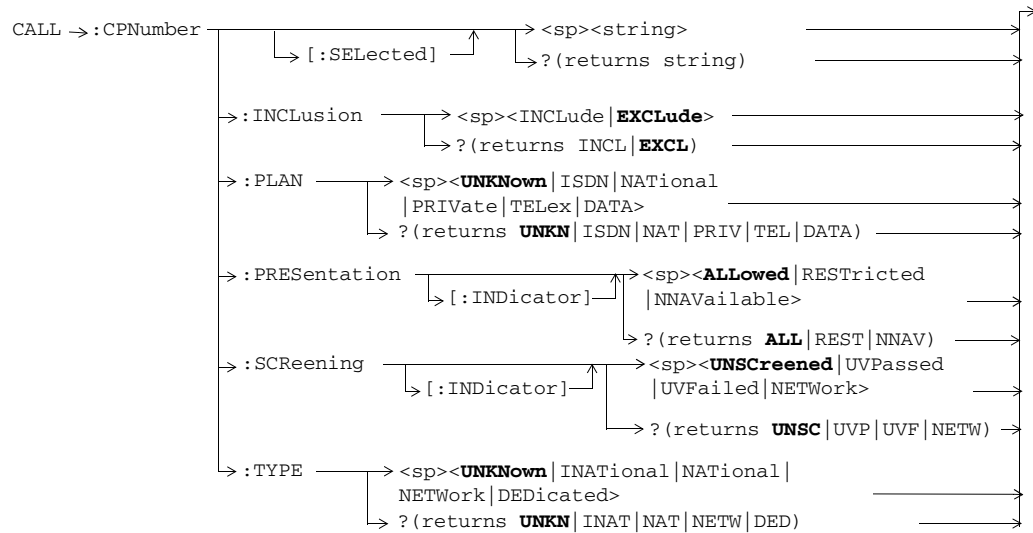


*These commands are only applicable to the GPRS lab application.

°These commands are only applicable to the GPRS lab application.

GPiB Syntax for E1968A/E6701D/E6704A

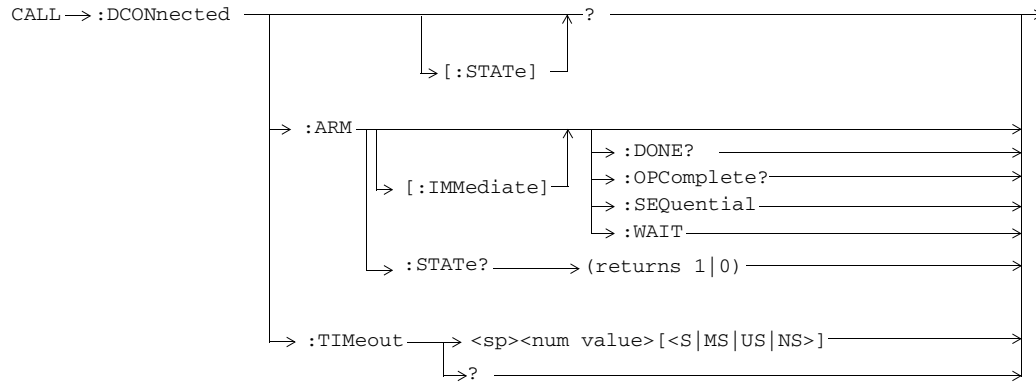
CALL:CPNumber



These commands are only applicable to the lab application.

GPIO Syntax for E1968A/E6701D/E6704A

CALL:DCONnected



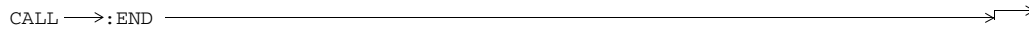
These commands are not applicable to the GSM TA.

CALL:DEModulation



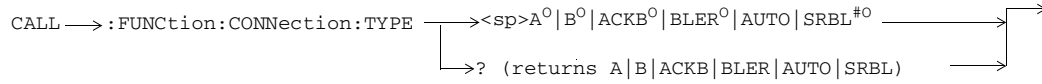
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:END

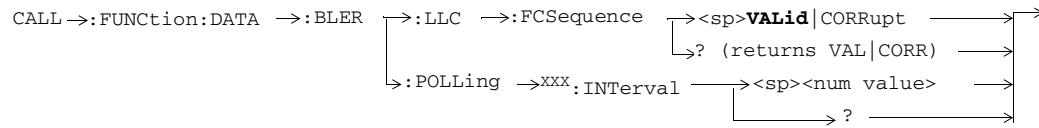


This command is not applicable to the GPRS TA.

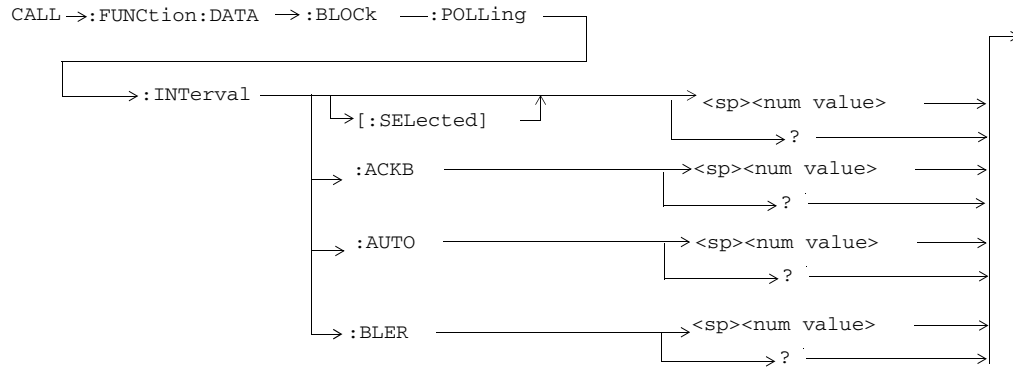
CALL:FUNCTION



- o Not applicable to GSM TA.
- # Only applicable to EGPRS.

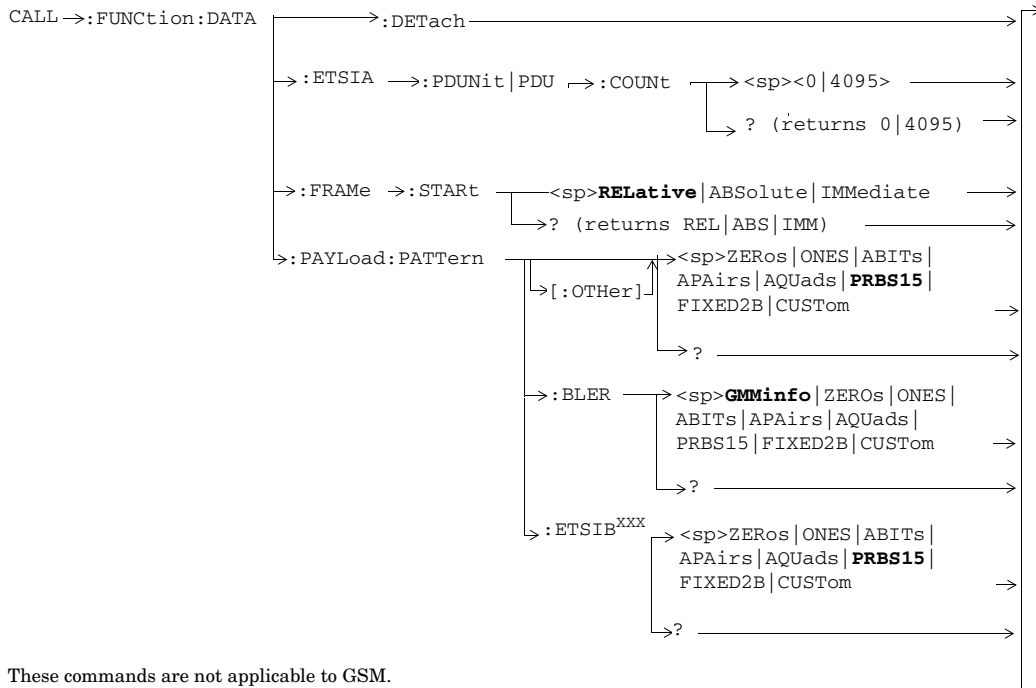


These commands are not applicable to GSM.
 XXX This command is obsolete.

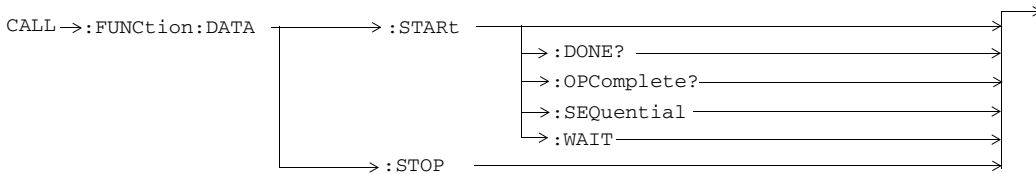


These commands are not applicable to GSM.

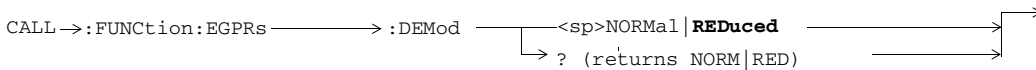
GPIB Syntax for E1968A/E6701D/E6704A



These commands are not applicable to GSM.

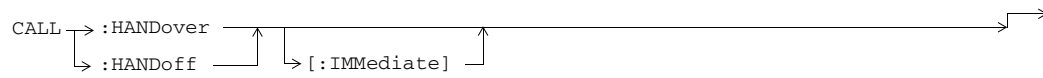


These commands are not applicable to GSM.

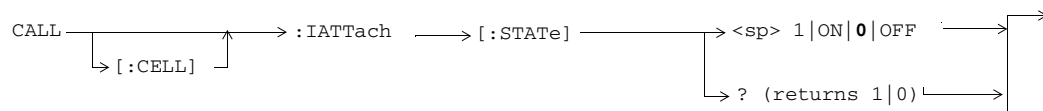


This command is only applicable to the EGPRS TA.

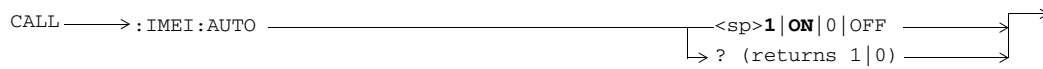
CALL:HANdOver | HANdOff



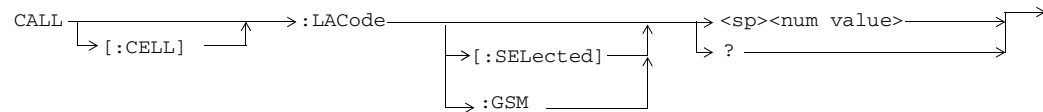
CALL:IATtAch



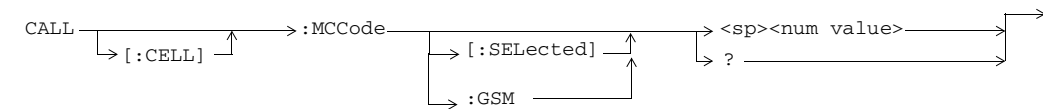
CALL:IMEI



CALL:LACode

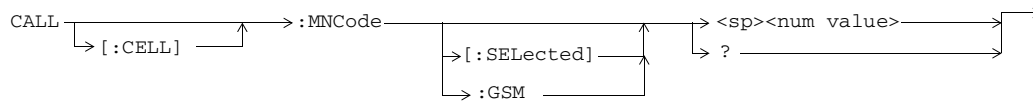


CALL:MCCode

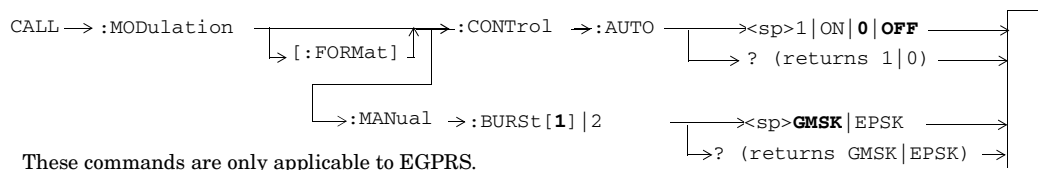


GPiB Syntax for E1968A/E6701D/E6704A

CALL:MNCode

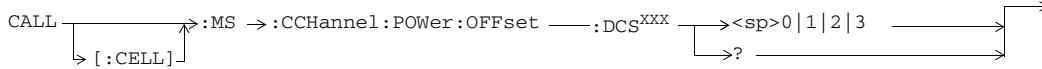


CALL:MODulation

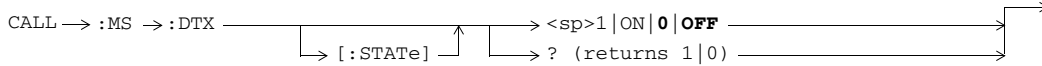


These commands are only applicable to EGPRS.

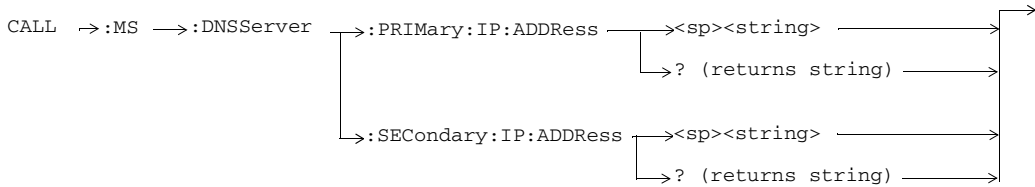
CALL:MS



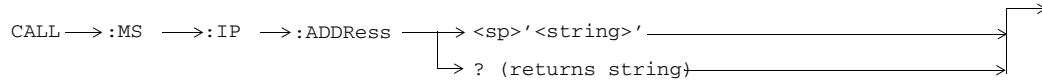
XXX This command is obsolete.



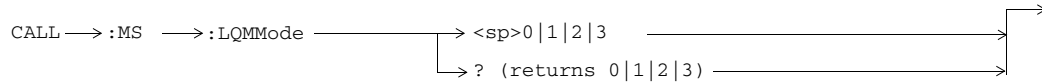
This command is only applicable to GSM.



These commands are only applicable to the E6701E lab application.



This command is applicable only to the GSM/GPRS and EGPRS lab applications.



This command is applicable only to the EGPRS lab application.

GPIO Syntax for E1968A/E6701D/E6704A

CALL → :MS → :PATTach → <sp>1 | ON | 0 | OFF → ? (returns 1 | 0)

↳ [:STATe]

This command is *not* applicable to GSM.

CALL → :MS → :.REPorted → :BEP → :GMSK | EPSK

↳ :CVARiance: <[AVERAge] | MAXimum | MINimum>^{XXX} → ? (returns num value)

↳ :MEAN: <[AVERAge] | MAXimum | MINimum>^{XXX} → ? (returns num value)

↳ :TSLOTn: <[AVERAge] | MAXimum | MINimum>^{XXX} → ? (returns num value)

These commands are only applicable to EGPRS.

^{XXX}These commands are obsolete.

CALL → :MS → :.REPorted → :CLEar

This command is not applicable to the GPRS test application.

CALL → :MS → :.REPorted → :CVALue → :AVERAge^{XXX} → ? (returns num value)

↳ :ILEVel → :TSLot<n> → :AVERAge^{XXX} → ? (returns num value)

These commands apply only to the GSM/GPRS and EGPRS lab applications.

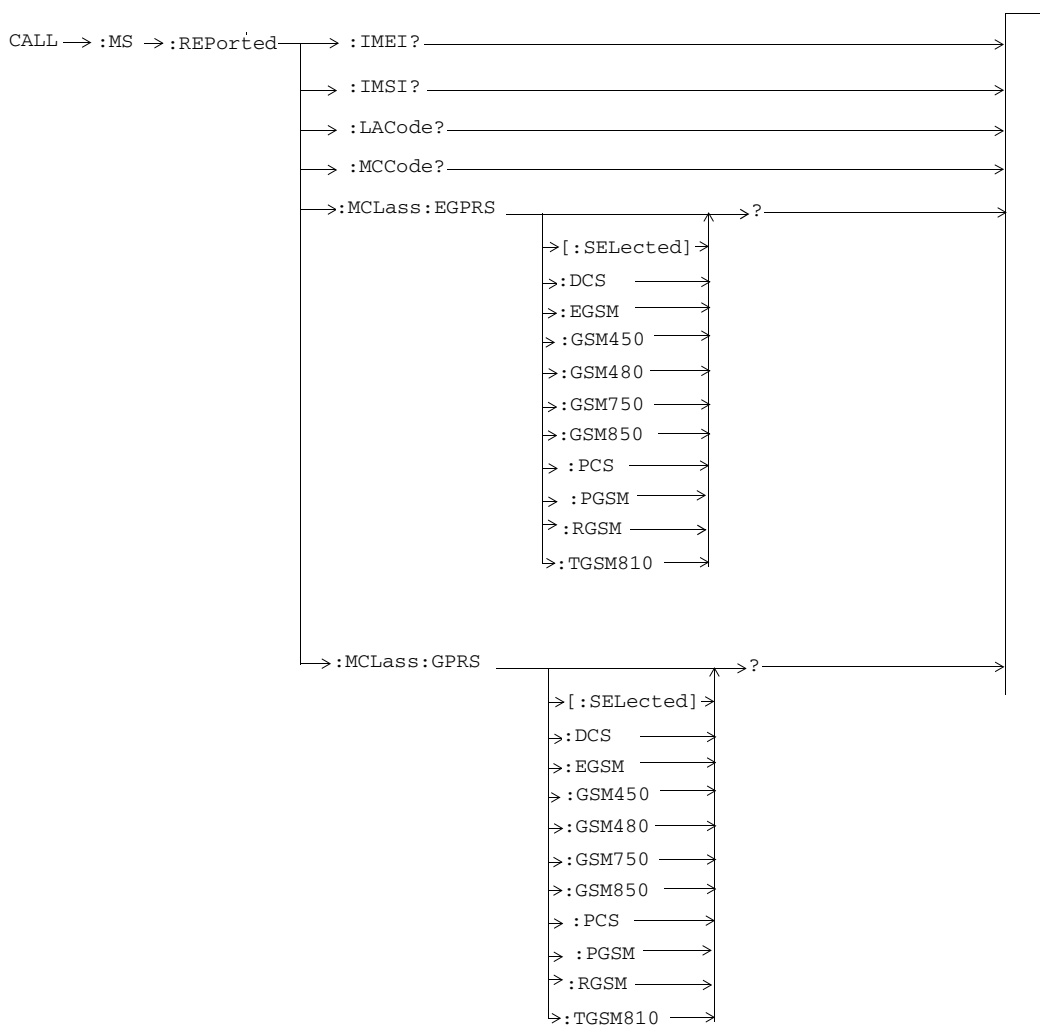
^{XXX}These commands are obsolete.

CALL → :MS → :.REPorted → :DTMClass → :EGPRS → ? (returns num value, num value)

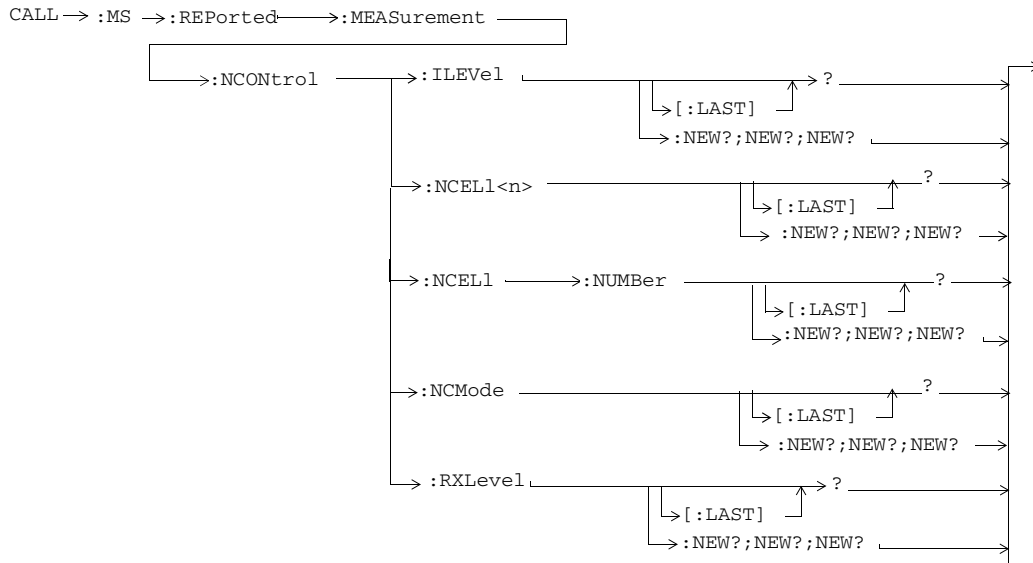
↳ :GPRS → ? (returns num value, num value)

These commands apply only to the GSM/GPRS and EGPRS lab applications.

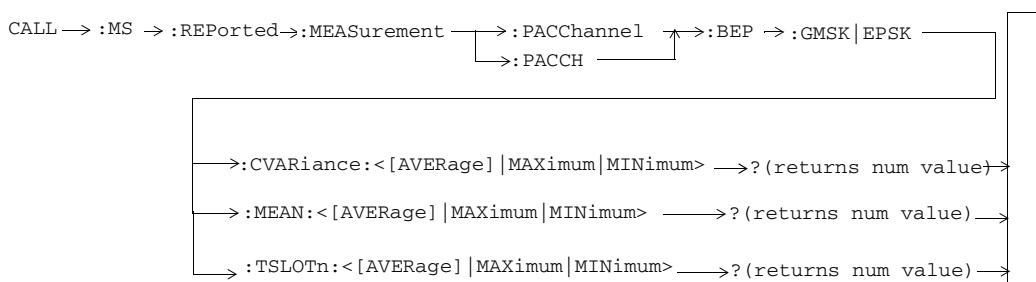
GPiB Syntax for E1968A/E6701D/E6704A



GPiB Syntax for E1968A/E6701D/E6704A

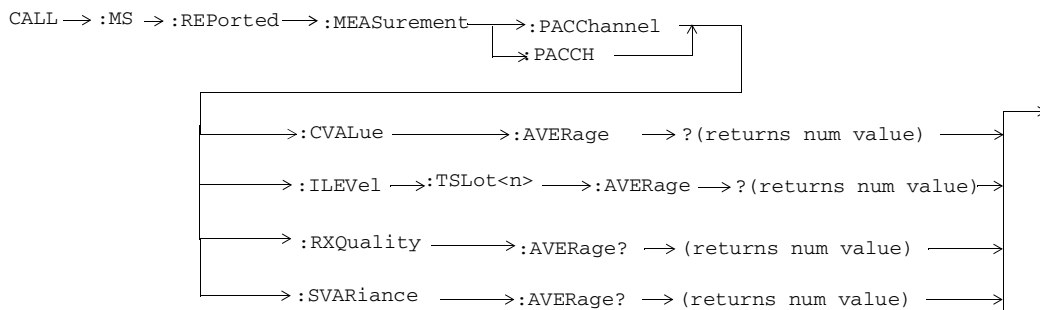


These commands are only applicable to the E6701E lab application.



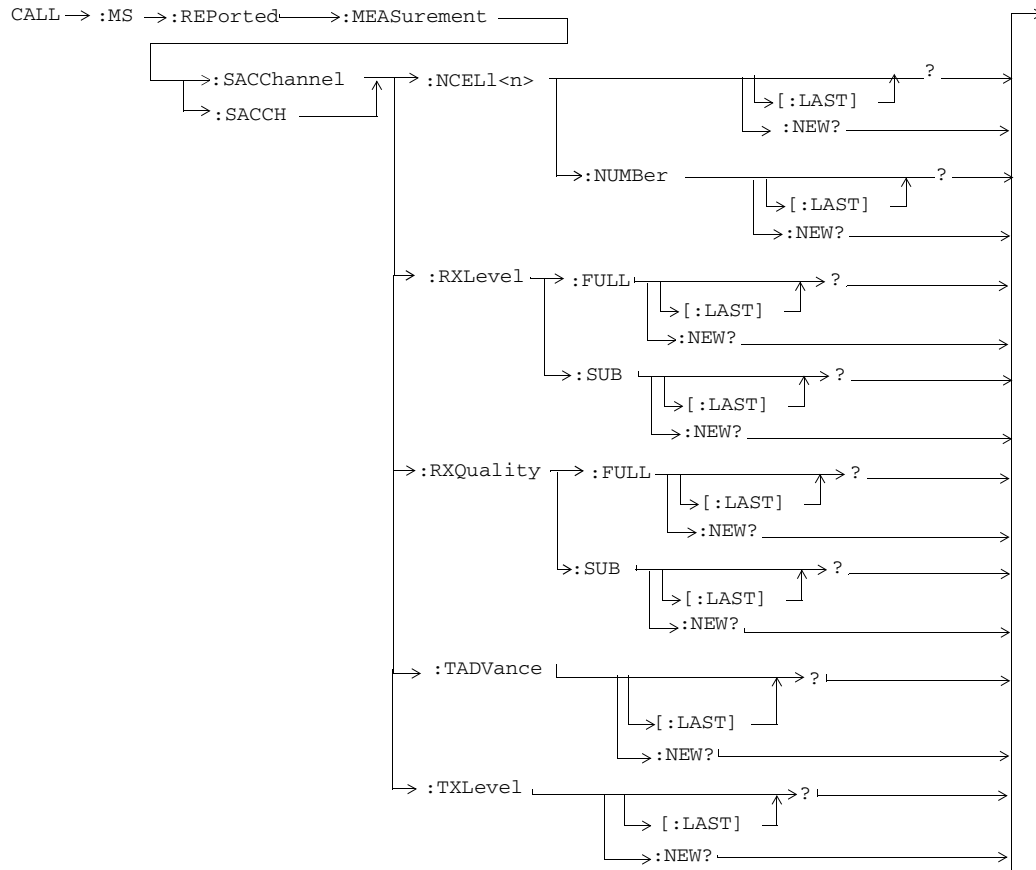
These commands are only applicable to E6701E/E6704A EGPRS lab application.

GPiB Syntax for E1968A/E6701D/E6704A

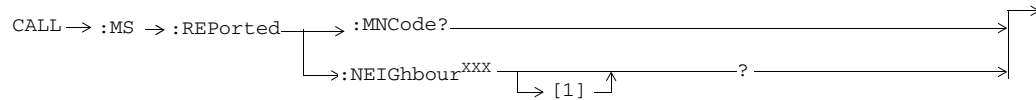


These commands are only applicable to the E6701E lab application.

GPiB Syntax for E1968A/E6701D/E6704A

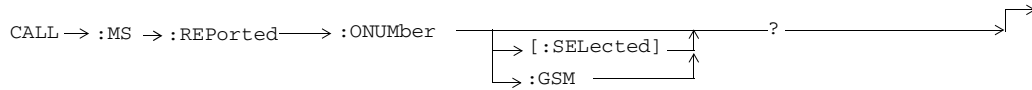


These commands are only applicable to the E6701E lab application.

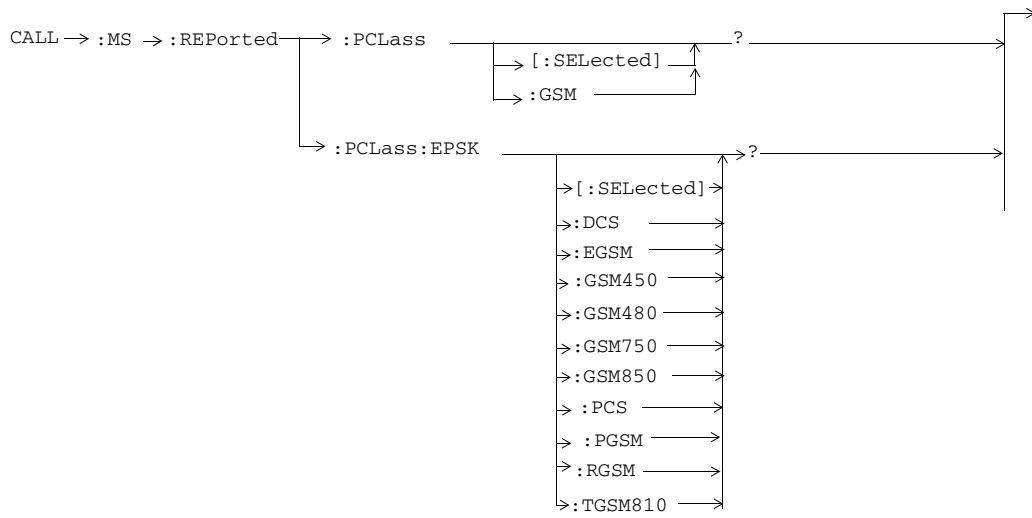


XXX This command is obsolete.

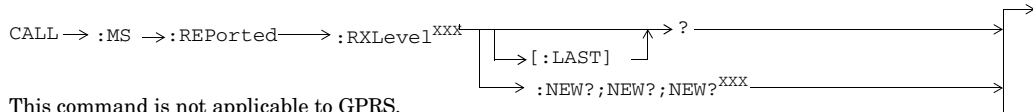
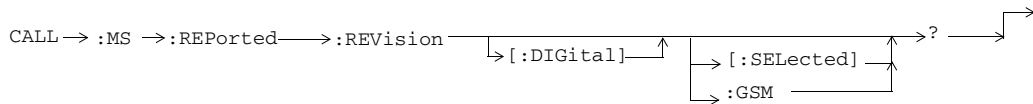
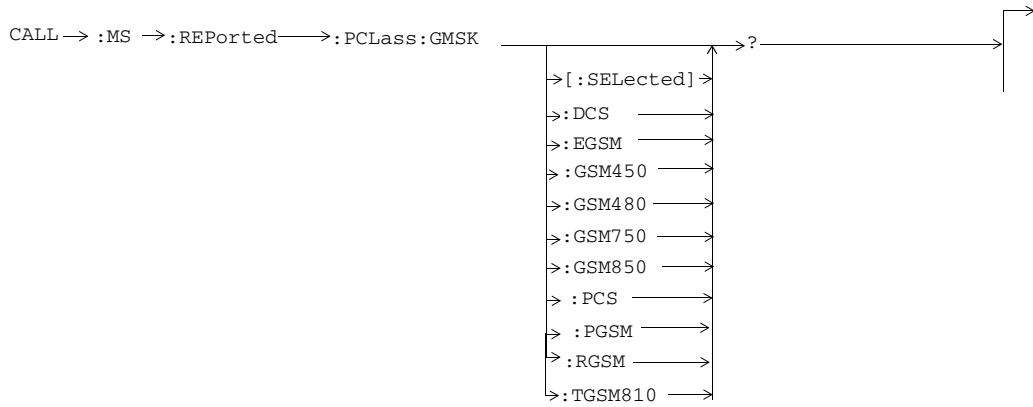
GPiB Syntax for E1968A/E6701D/E6704A



This command is not applicable to GPRS.

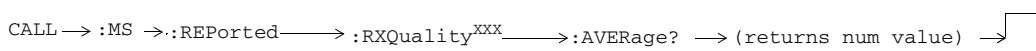


GPIB Syntax for E1968A/E6701D/E6704A



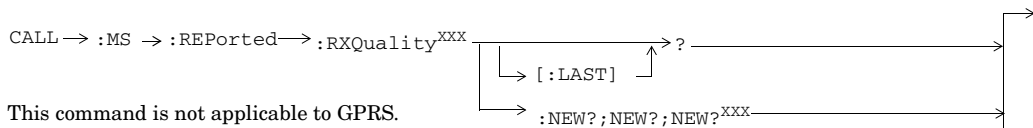
This command is not applicable to GPRS.

^{XXX}This command is obsolete.



This command applies only to the GSM/GPRS and EGPRS lab applications.

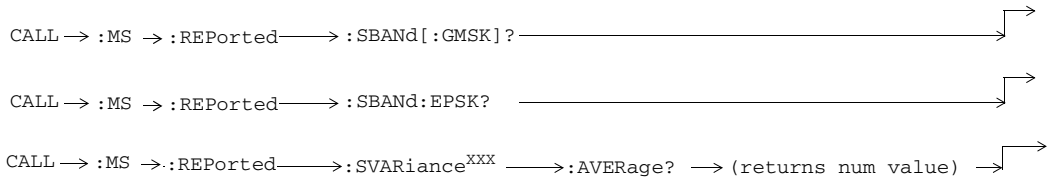
^{XXX}This command is obsolete.



This command is not applicable to GPRS.

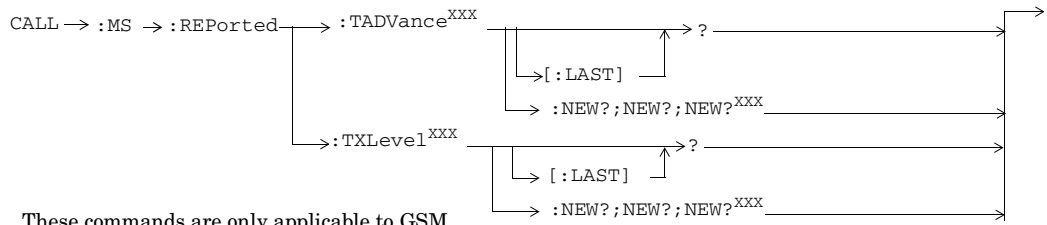
^{XXX}These commands are obsolete.

GPiB Syntax for E1968A/E6701D/E6704A



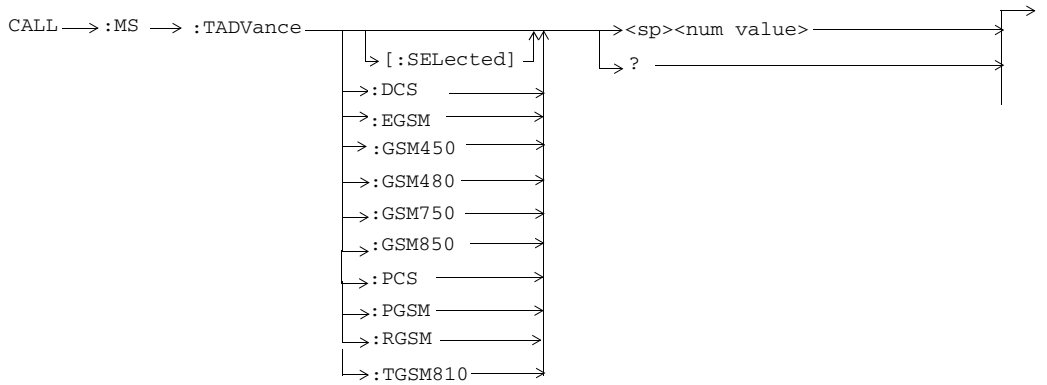
This command applies only to the GSM/GPRS and EGPRS lab applications.

^{XXX}This command is obsolete.



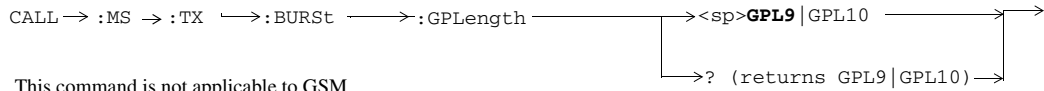
These commands are only applicable to GSM.

^{XXX}These commands are obsolete.

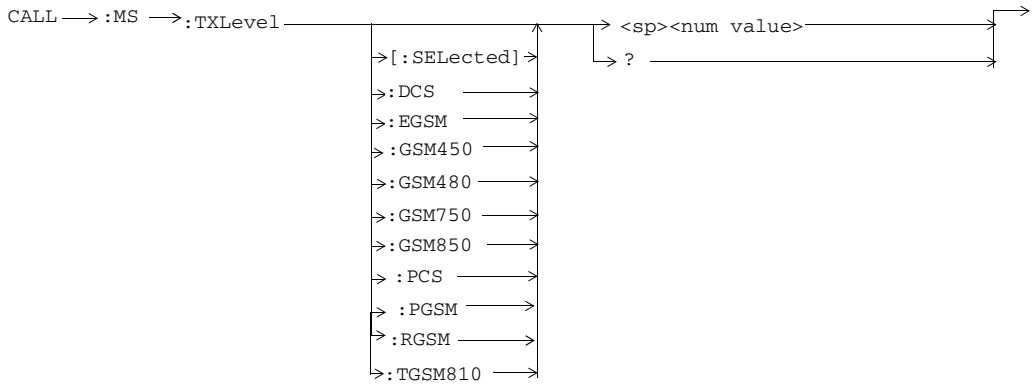
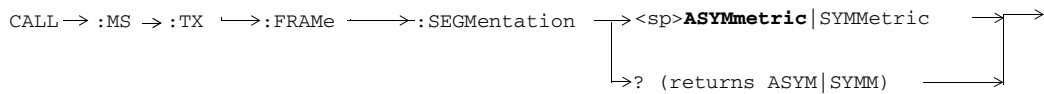


This command is not applicable to GPRS.

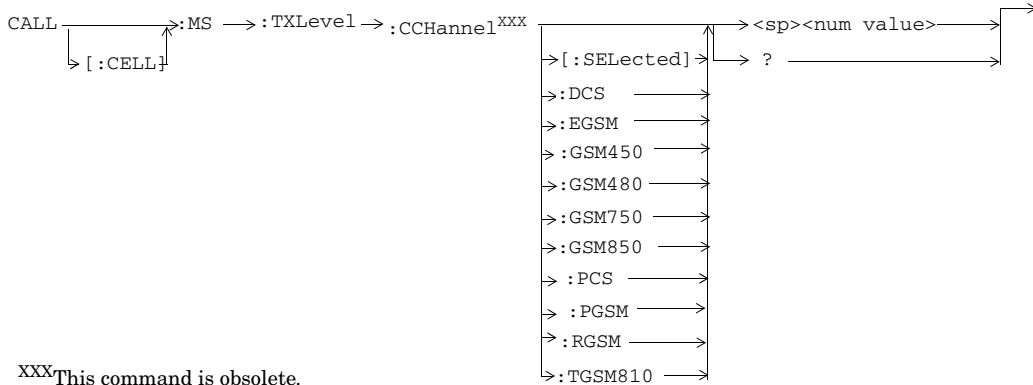
GPiB Syntax for E1968A/E6701D/E6704A



This command is not applicable to GSM.

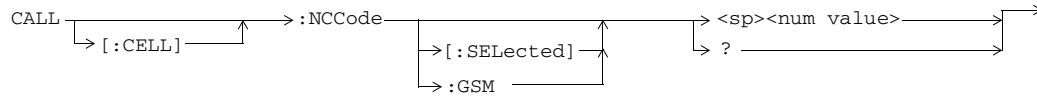


This command is not applicable to GPRS.

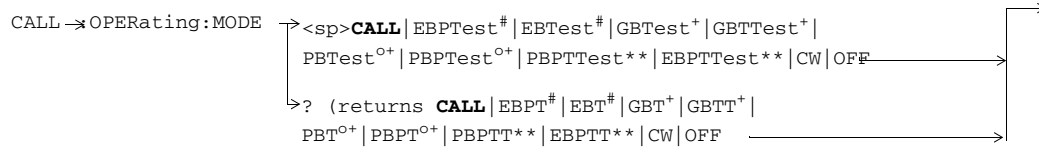


^{xxx}This command is obsolete.

CALL:NCCode



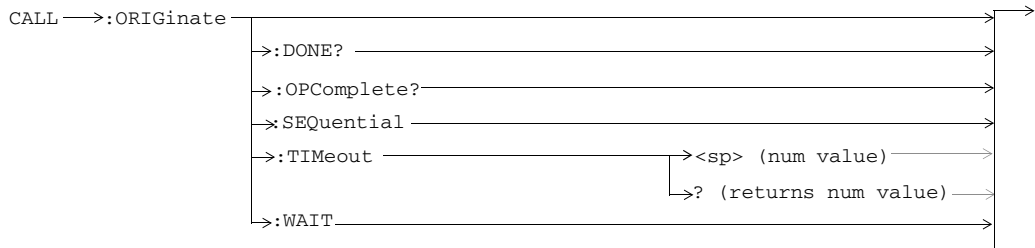
CALL:OPERating



- # Only applicable to EGPRS
- o Not applicable to GSM TA
- + Not applicable to EGPRS TA
- * Only applicable to the Lab Applications.
- ** Only applicable to the E6701E lab application.

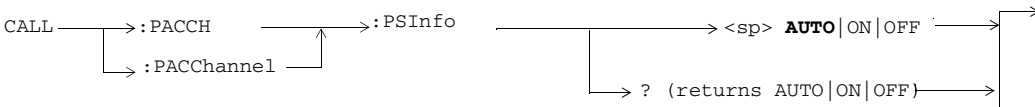
GPIB Syntax for E1968A/E6701D/E6704A

CALL:ORIGinate

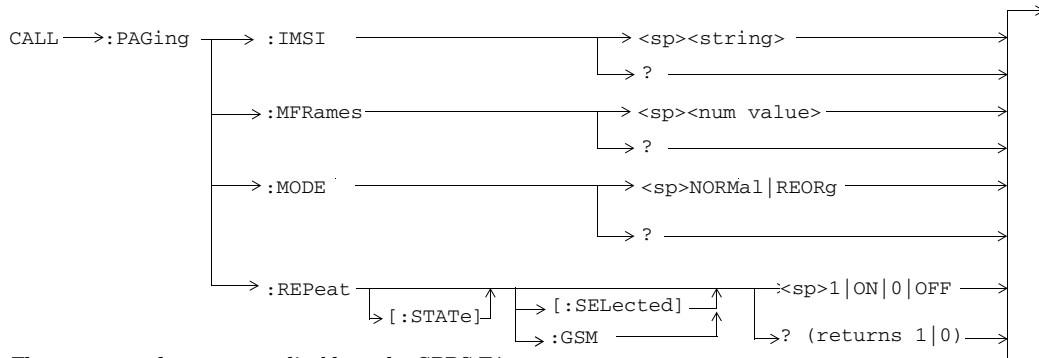
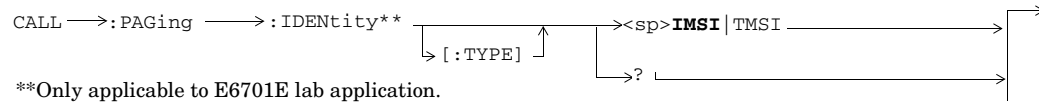


These commands are not applicable to the GPRS TA.

CALL:PACCH | PACChannel



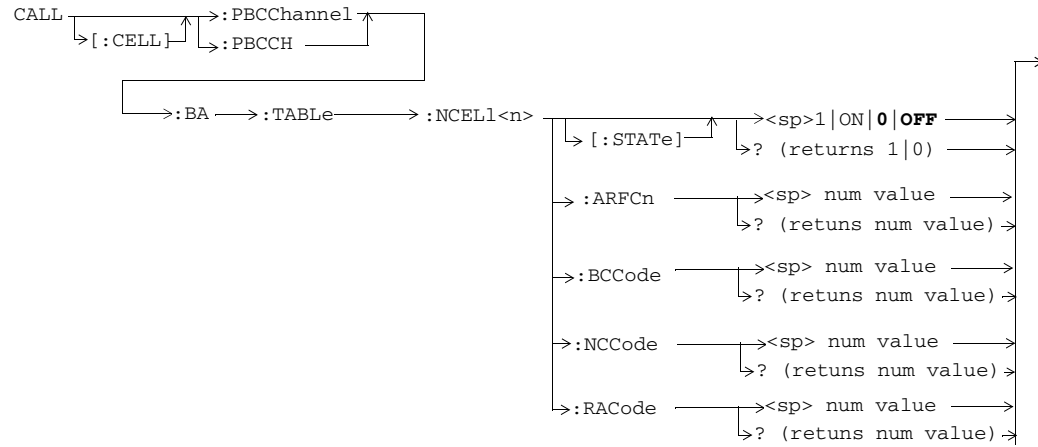
CALL:PAGing



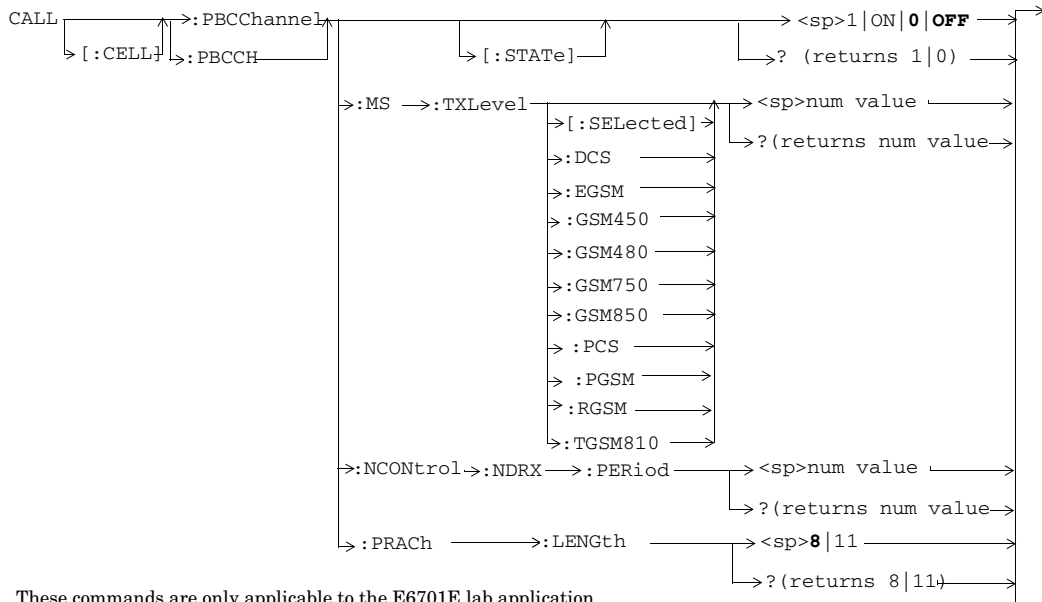
These commands are not applicable to the GPRS TA.

GPiB Syntax for E1968A/E6701D/E6704A

CALL:PBCCH|PBCChannel



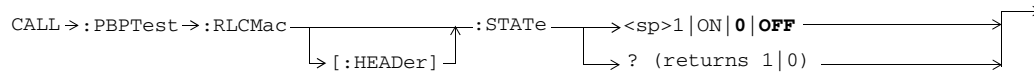
GPIO Syntax for E1968A/E6701D/E6704A



These commands are only applicable to the E6701E lab application.

GPIO Syntax for E1968A/E6701D/E6704A

CALL:PBPTest

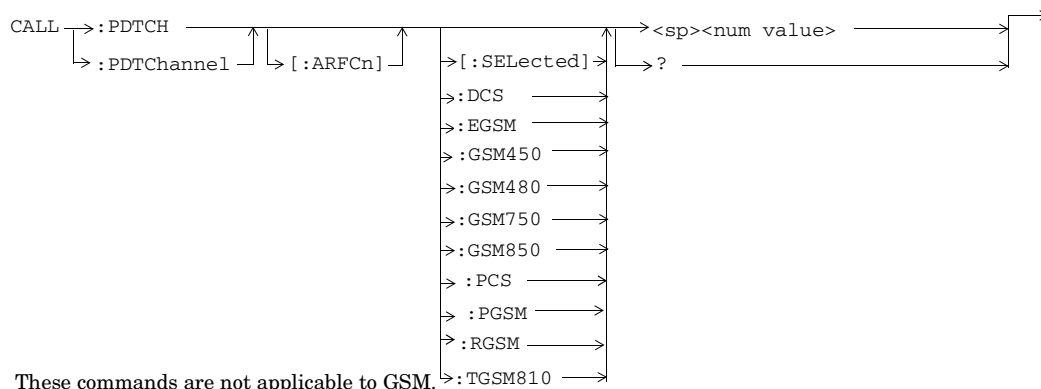


This command is not applicable to GSM.

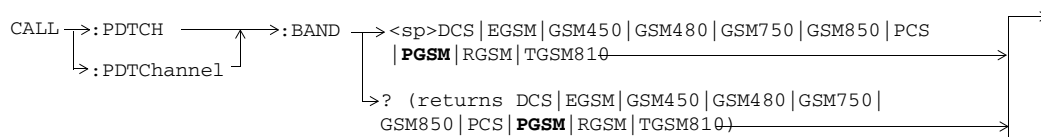
CALL[:CELL]:PCAType



CALL:PDTCH|PDTChannel

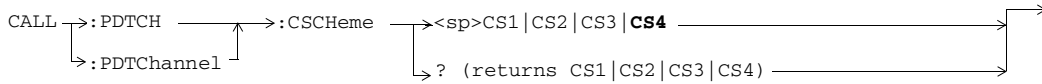


These commands are not applicable to GSM.

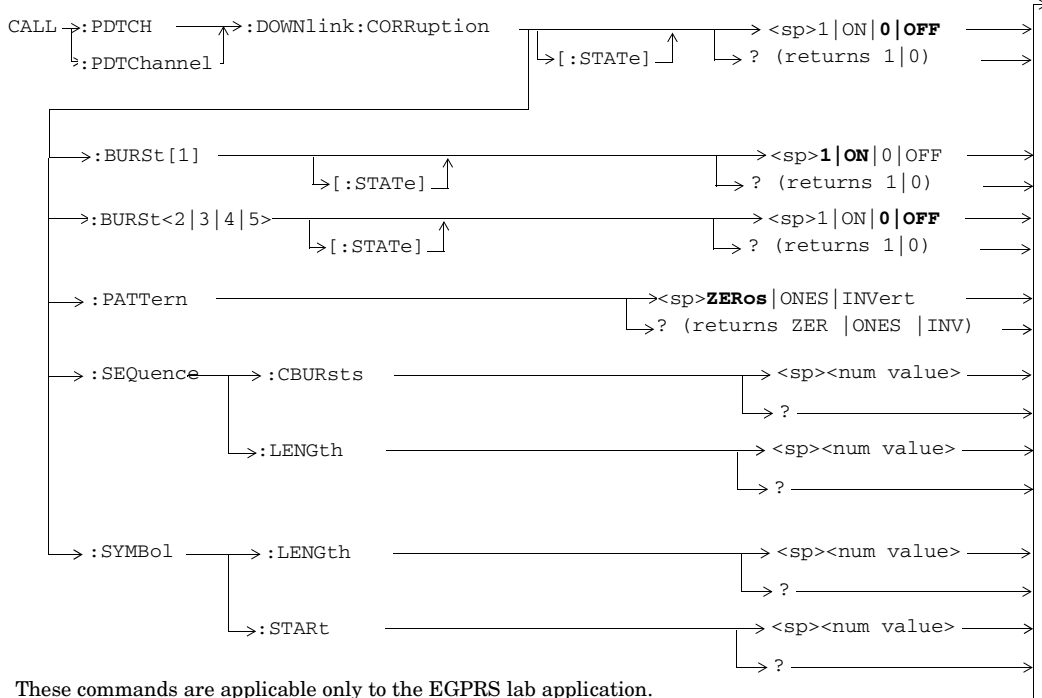
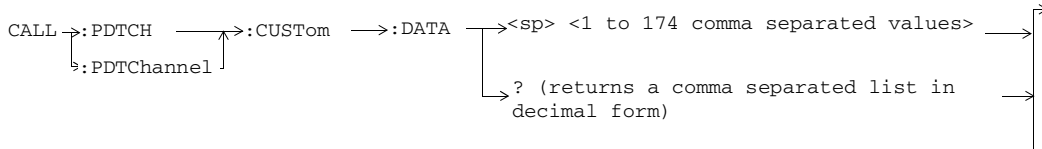


This command is not applicable to GSM.

GPIB Syntax for E1968A/E6701D/E6704A

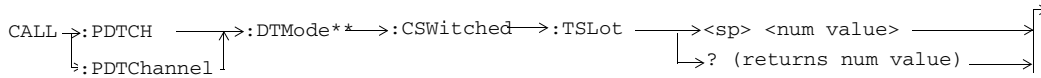


This command is not applicable to GSM or EGPRS.

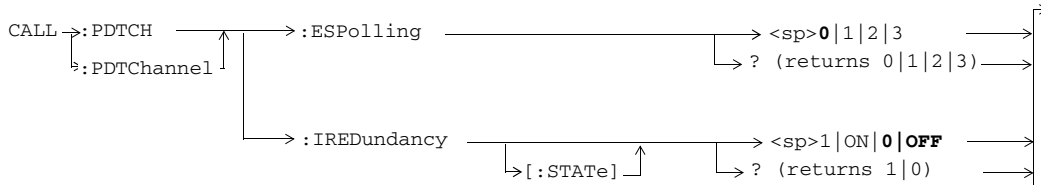


These commands are applicable only to the EGPRS lab application.

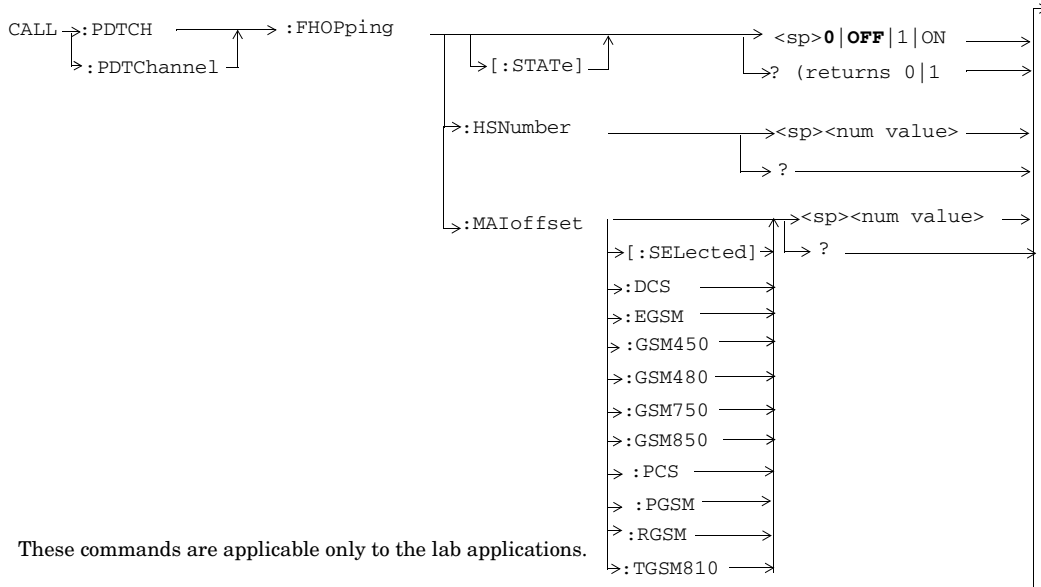
GPIO Syntax for E1968A/E6701D/E6704A



** Only applicable to the E6701E lab application.

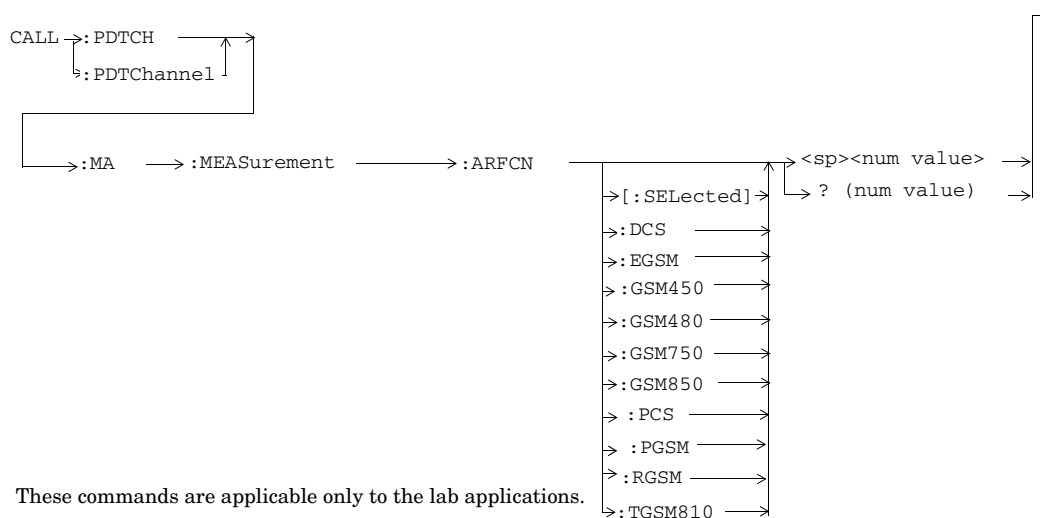


These commands are applicable only to the lab applications.



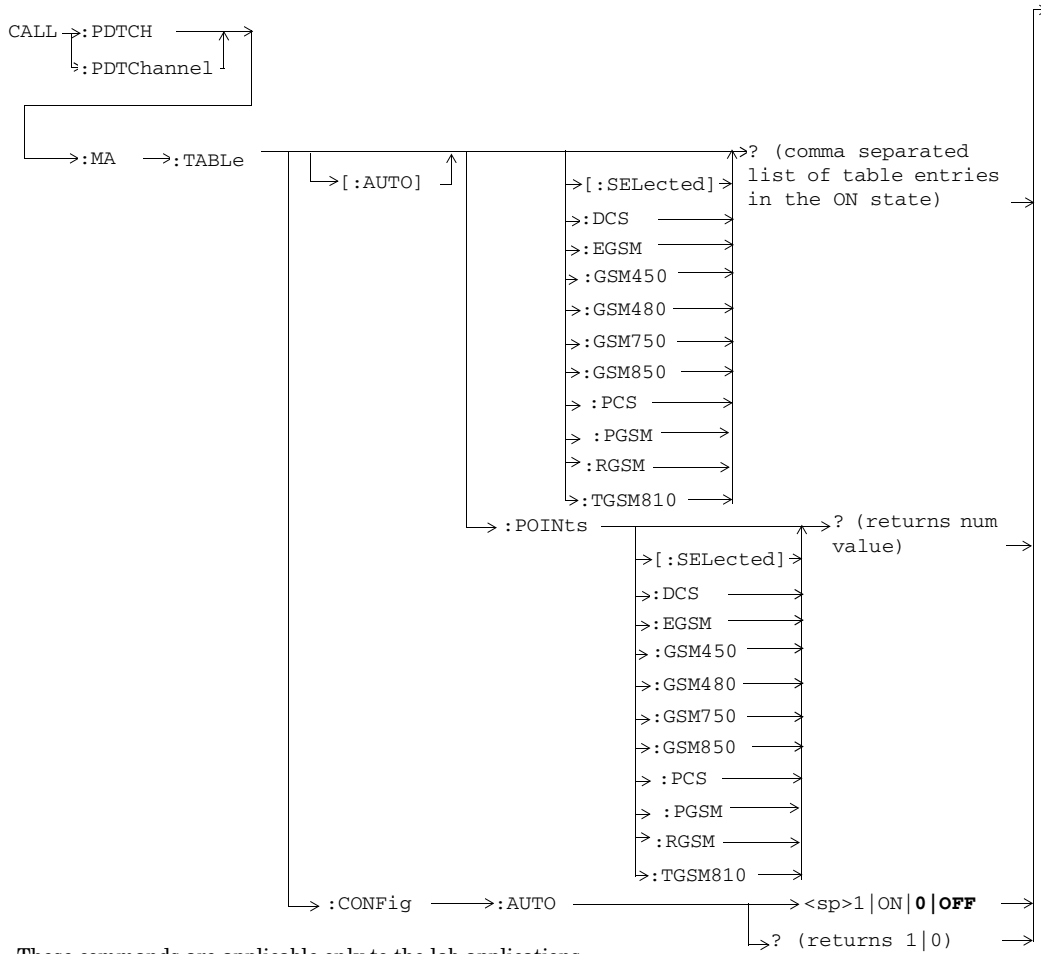
These commands are applicable only to the lab applications.

GPiB Syntax for E1968A/E6701D/E6704A



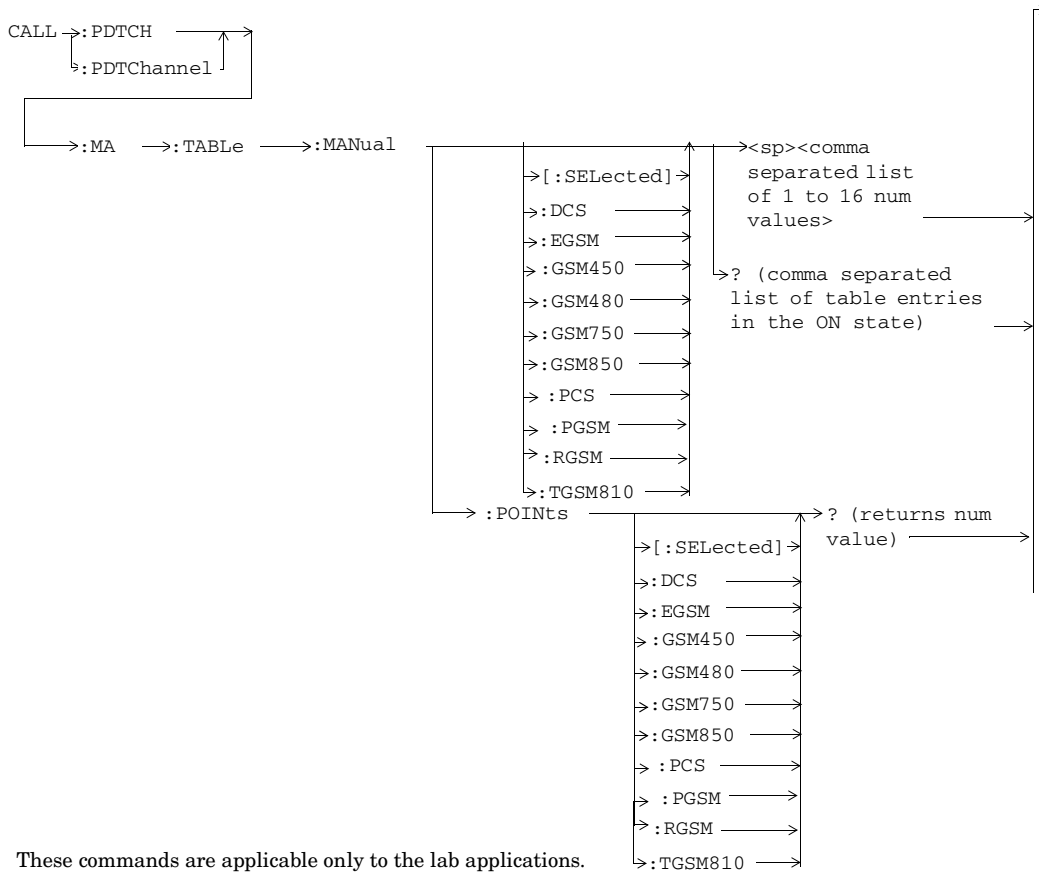
These commands are applicable only to the lab applications.

GPIO Syntax for E1968A/E6701D/E6704A



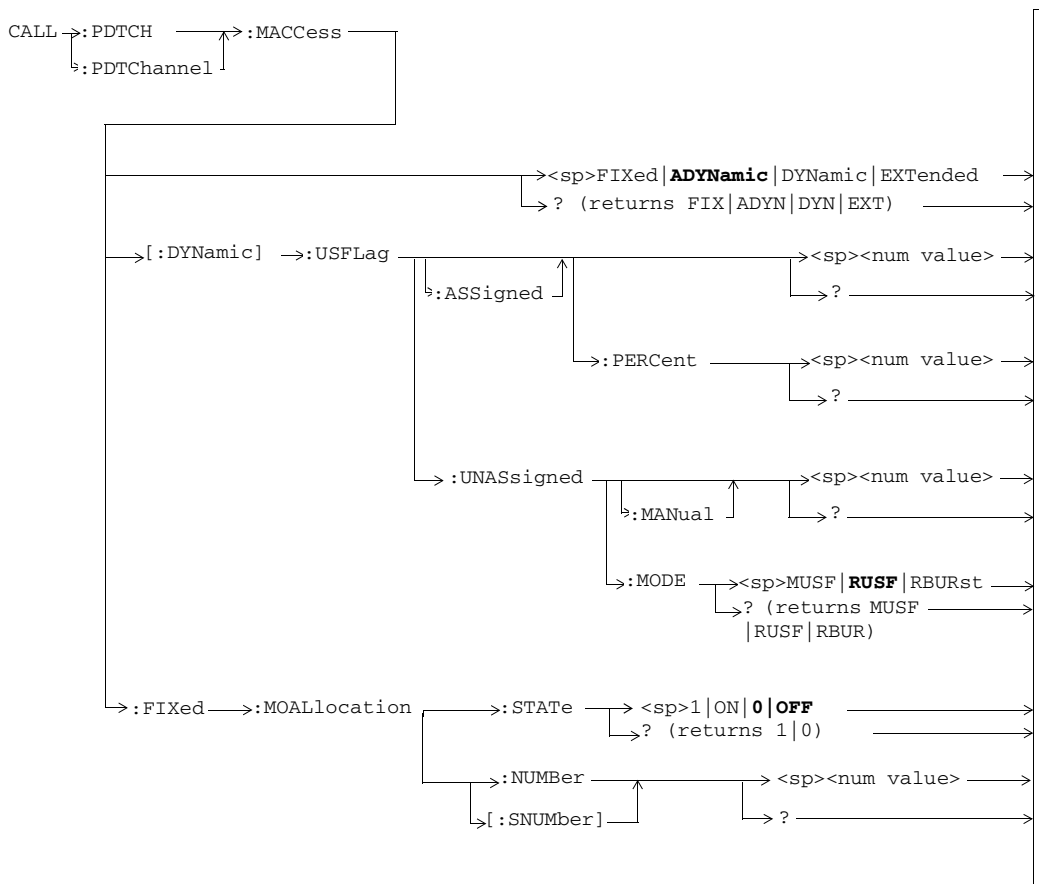
These commands are applicable only to the lab applications.

GPiB Syntax for E1968A/E6701D/E6704A

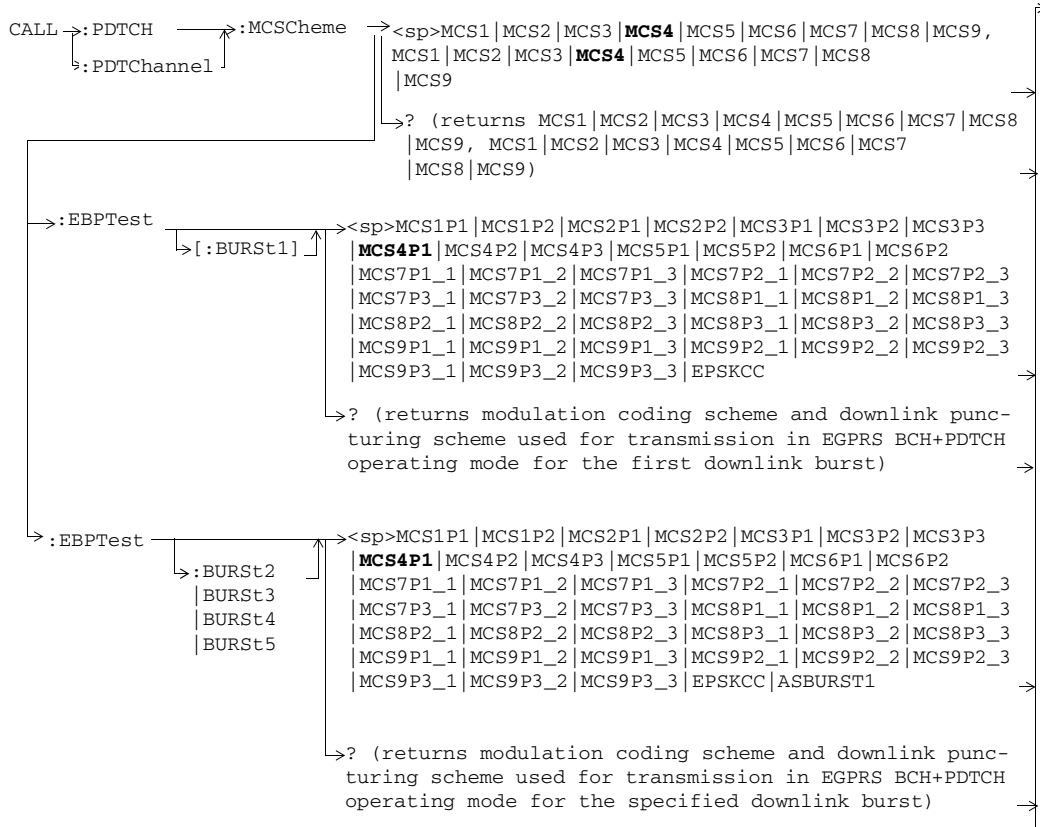


These commands are applicable only to the lab applications.

GPiB Syntax for E1968A/E6701D/E6704A

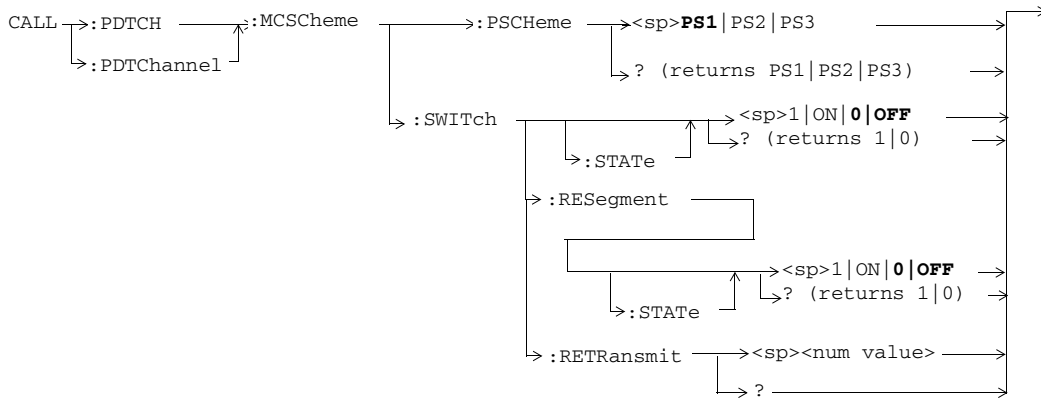


These commands are applicable only to the GSM/GPRS and EGPRS lab applications.

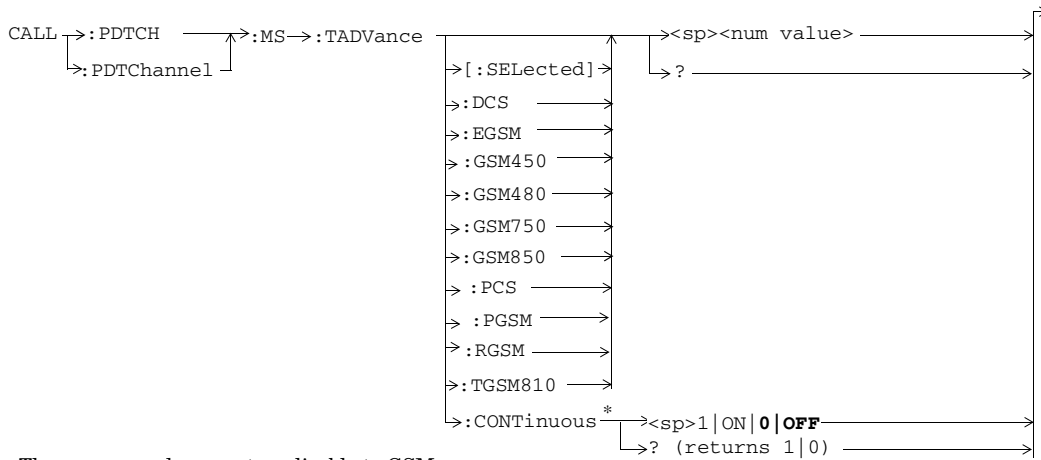


These commands are only applicable to EGPRS.

GPiB Syntax for E1968A/E6701D/E6704A

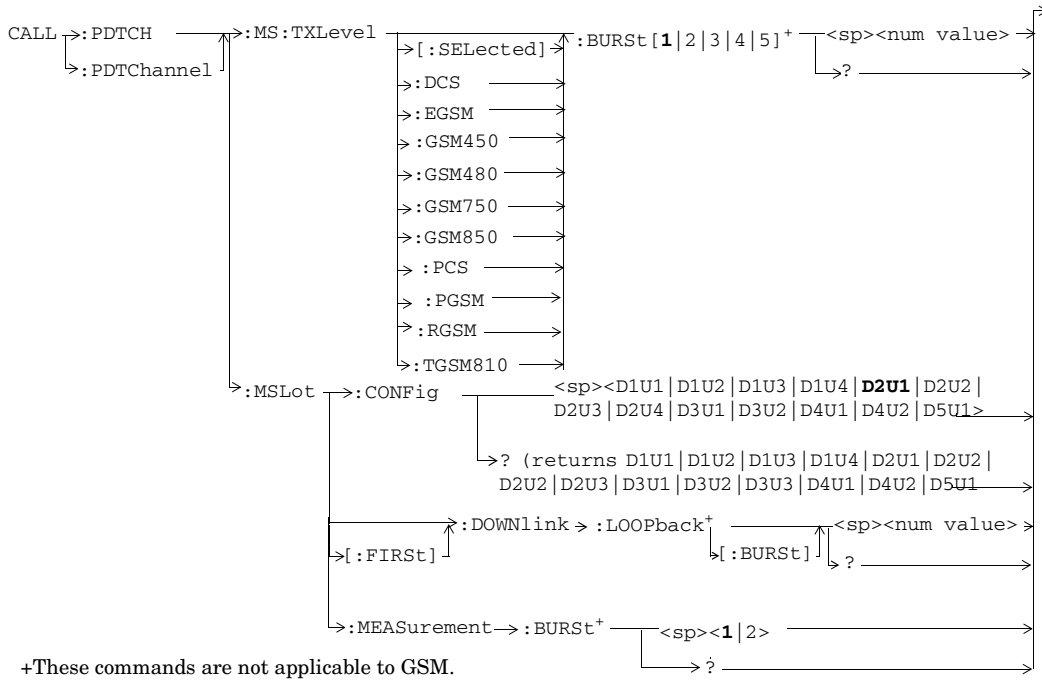


These commands are only applicable to the EGPRS lab application.

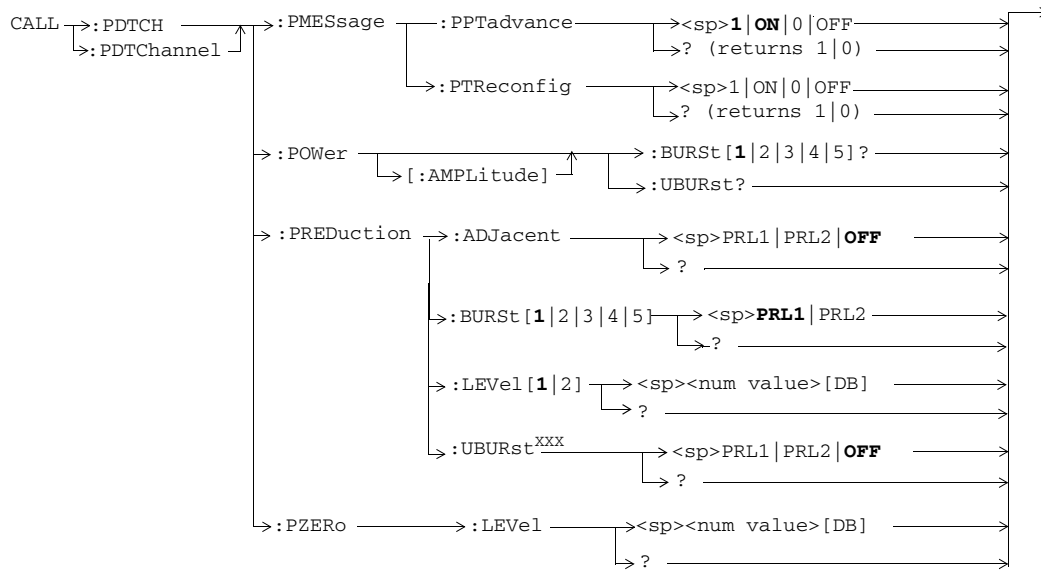


These commands are not applicable to GSM.
 *Only applicable to the GSM/GPRS and EGPRS LAs.

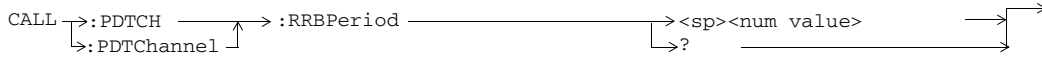
GPiB Syntax for E1968A/E6701D/E6704A



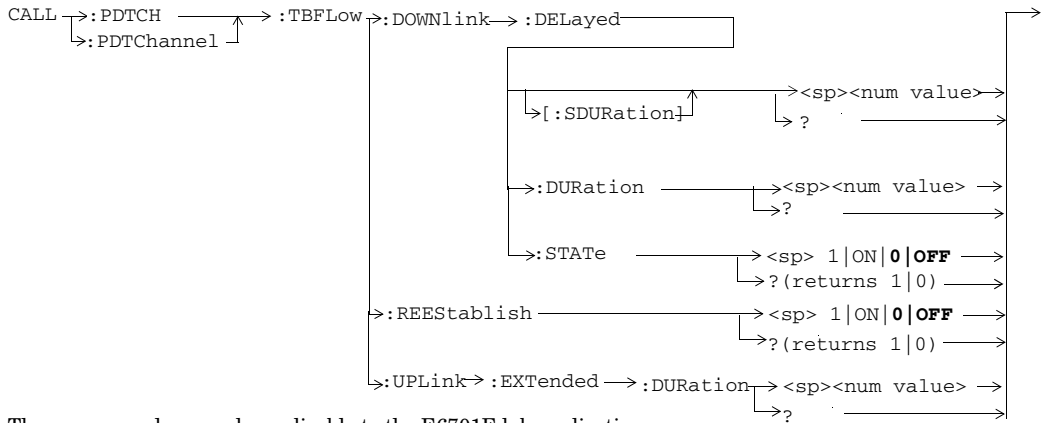
GPiB Syntax for E1968A/E6701D/E6704A



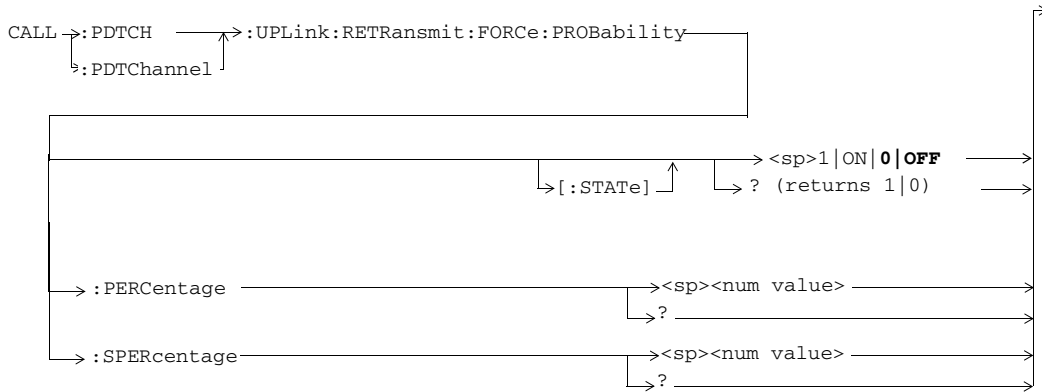
^{xxx}This command is obsolete.
These commands are not applicable to GSM.



This command is only applicable to the lab applications.

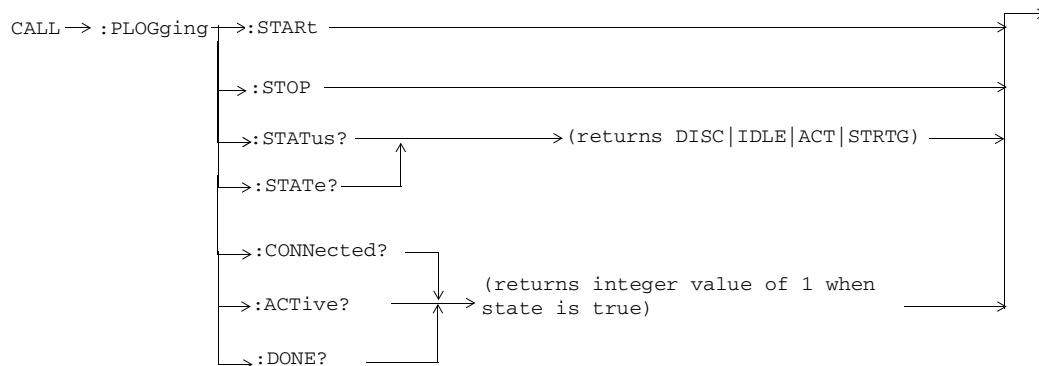


These commands are only applicable to the E6701E lab applications.



These commands are applicable only to the EGPRS lab application.

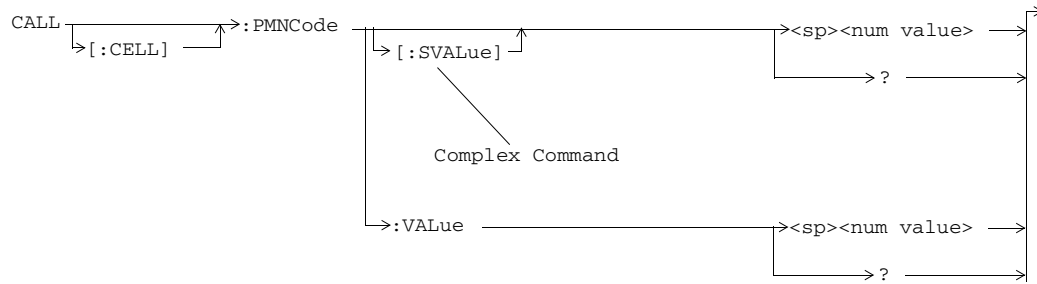
CALL:PLOGging



These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

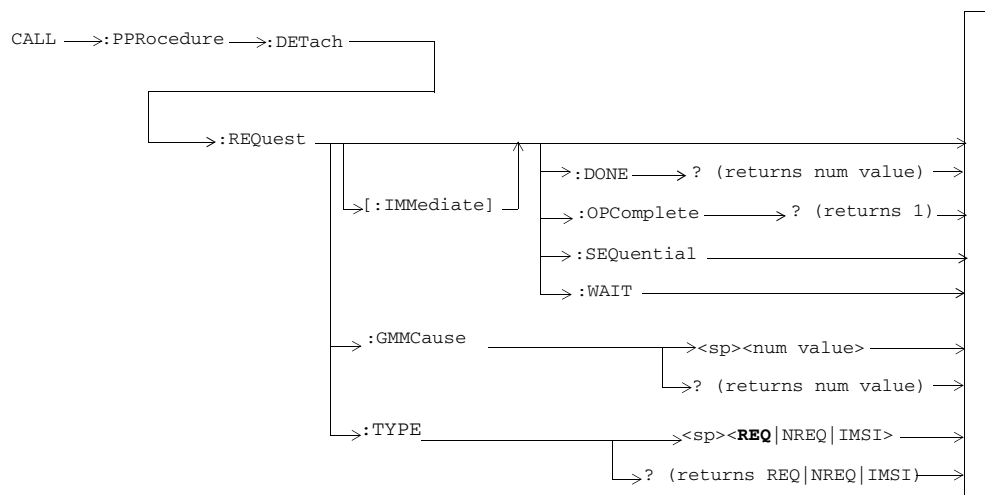
GPIO Syntax for E1968A/E6701D/E6704A

CALL:PMNCode

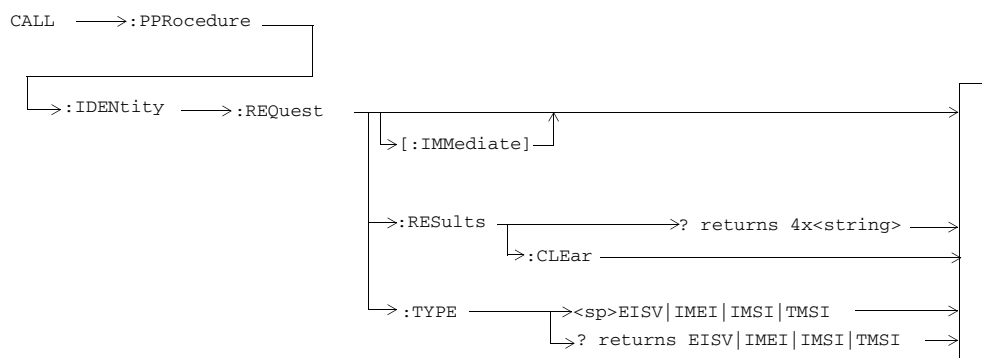


GPiB Syntax for E1968A/E6701D/E6704A

CALL:PPRocedure:DETach



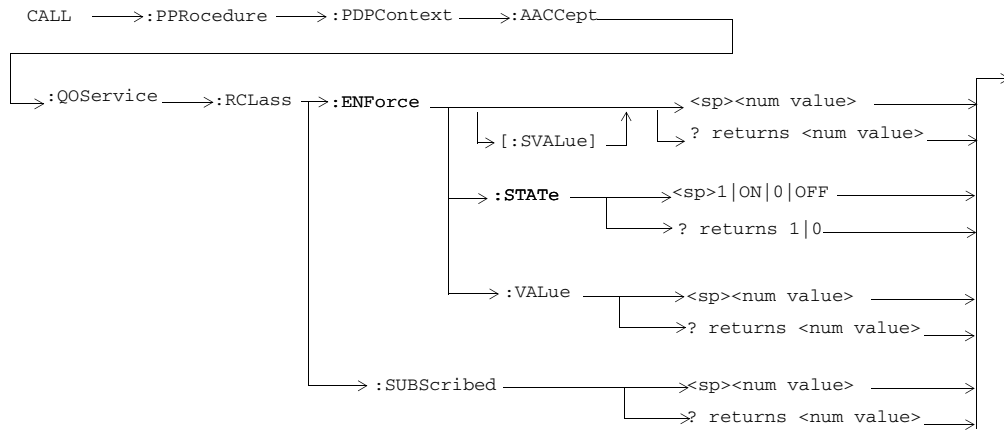
CALL:PPROcedure:IDENTity



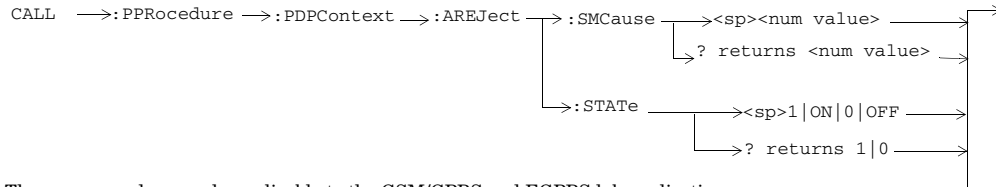
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPiB Syntax for E1968A/E6701D/E6704A

CALL:PPRocedure:PDPContext

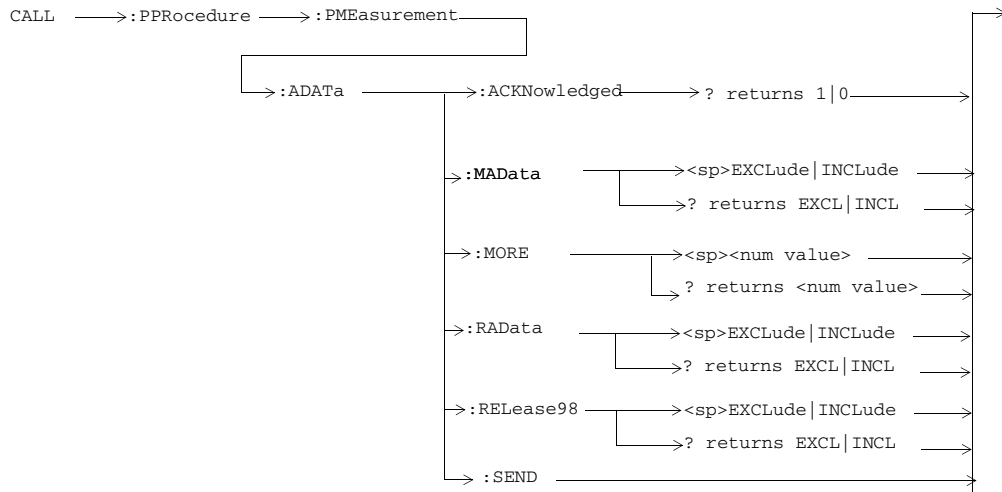


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



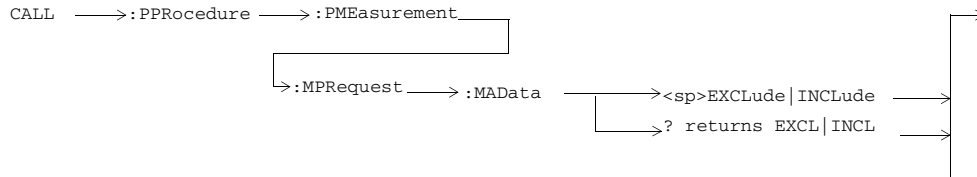
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPRocedure:PMEasurement:ADAta



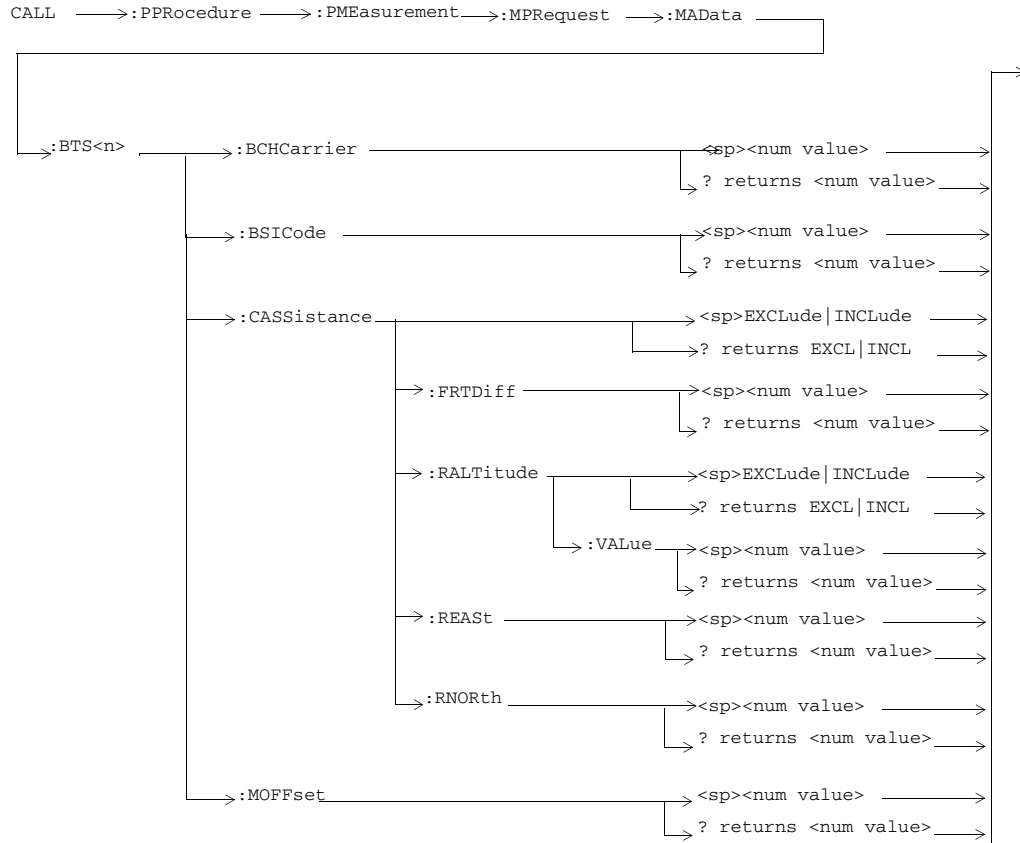
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPRocedure:PMEasurement:MPRequest



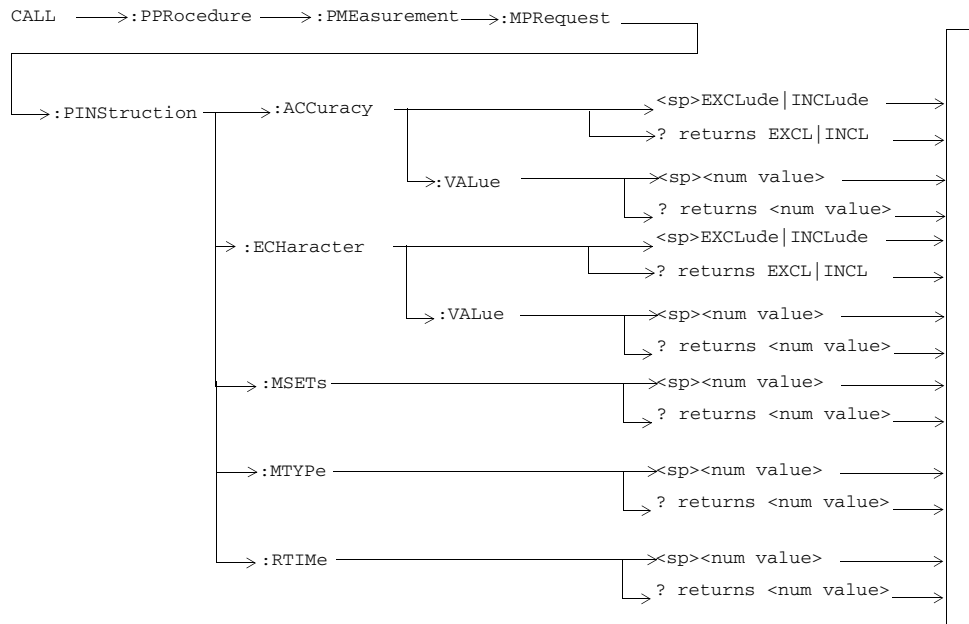
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPiB Syntax for E1968A/E6701D/E6704A



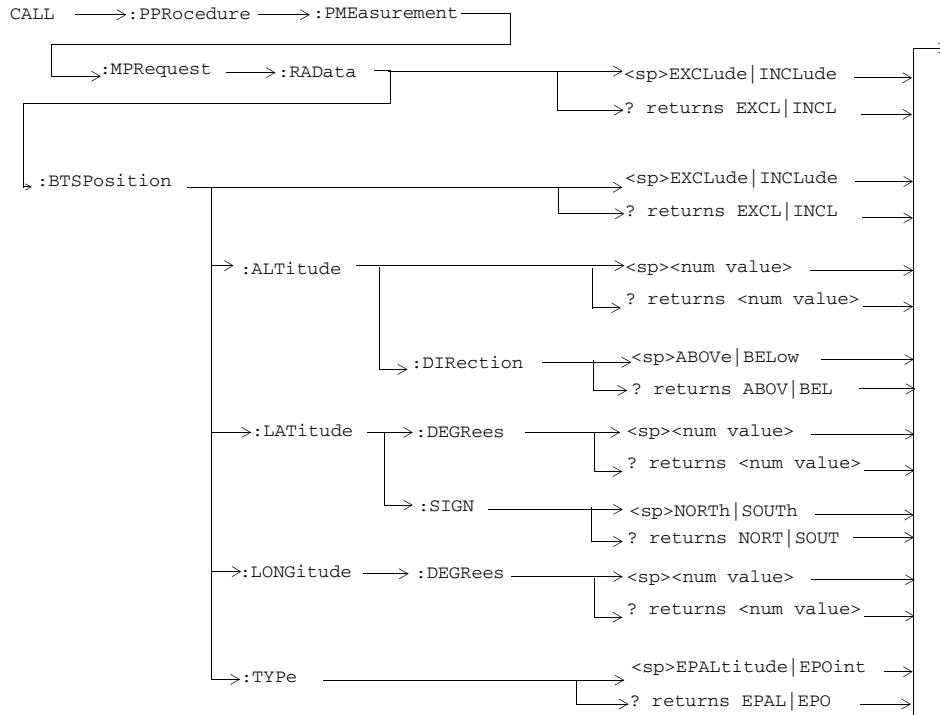
These commands are only applicable to lab applicable.

GPIB Syntax for E1968A/E6701D/E6704A



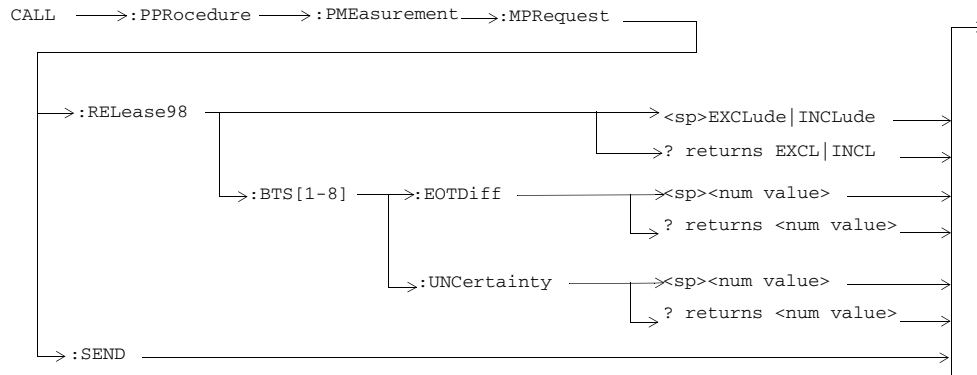
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPIB Syntax for E1968A/E6701D/E6704A



These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

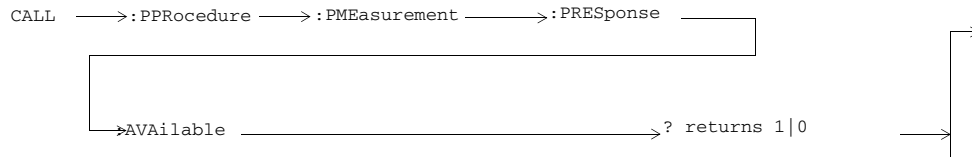
GPiB Syntax for E1968A/E6701D/E6704A



These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

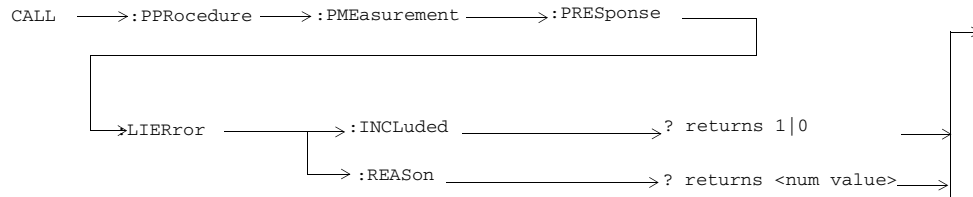
GPIO Syntax for E1968A/E6701D/E6704A

CALL:PPROcedure:PMMeasurement:PREsponse:AVailable?



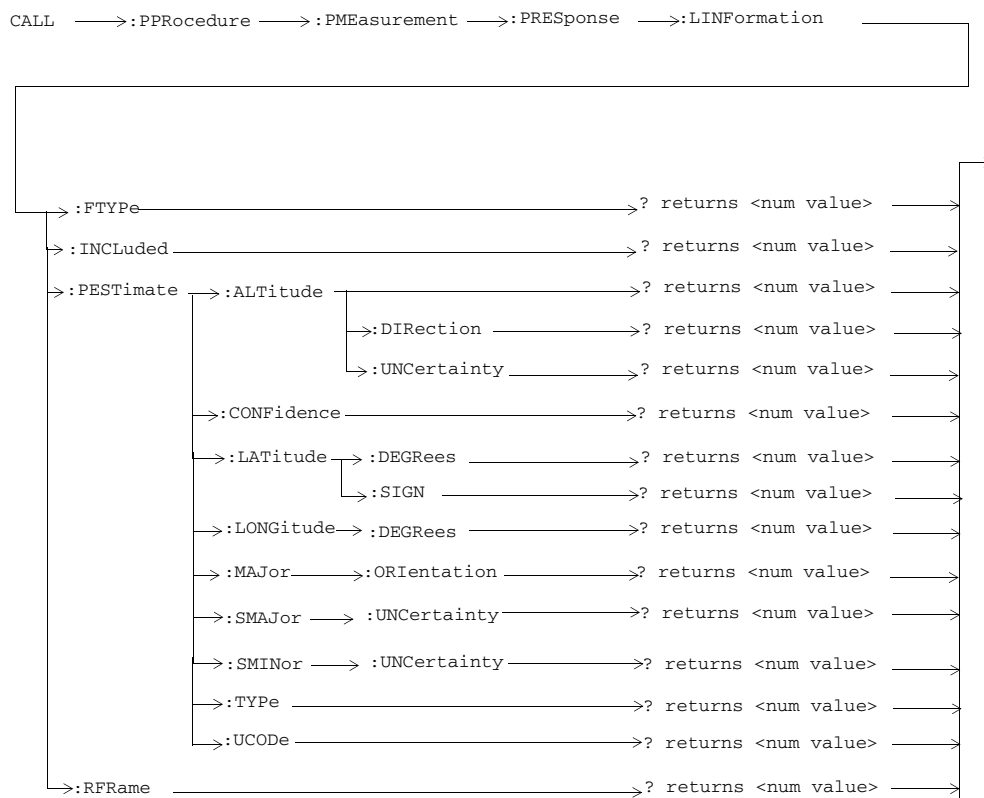
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPROcedure:PMMeasurement:PREsponse:LIError



These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

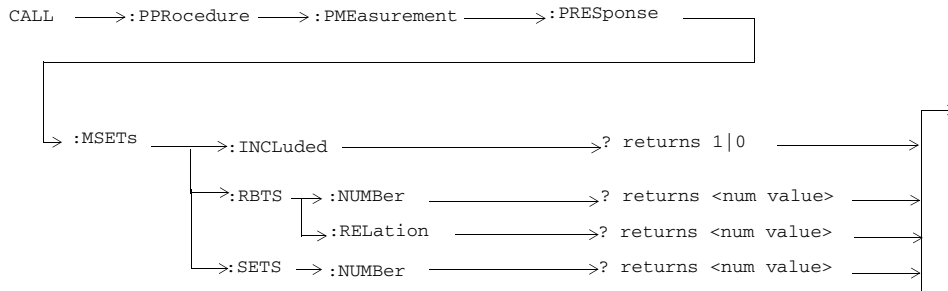
CALL:PPRocedure:PMEasurement:PRESpense:LINformation



These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

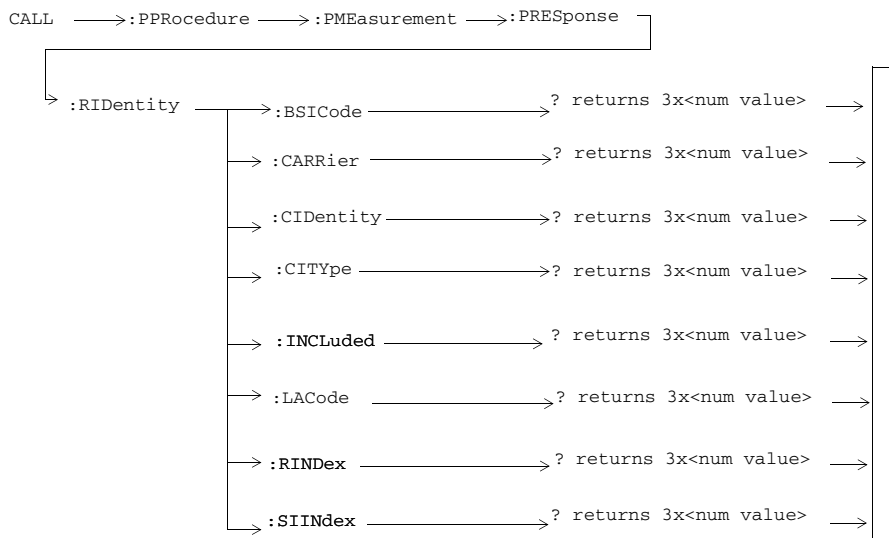
GPiB Syntax for E1968A/E6701D/E6704A

CALL:PPRocedure:PMEasurement:PREsponse:MSETs



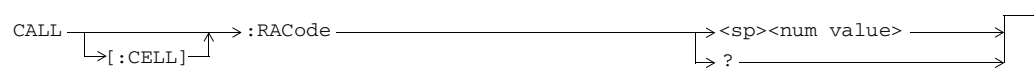
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPRocedure:PMEasurement:PREsponse:RIDentity

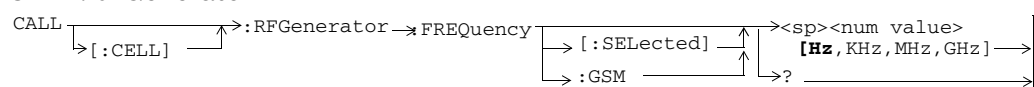


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:RACode

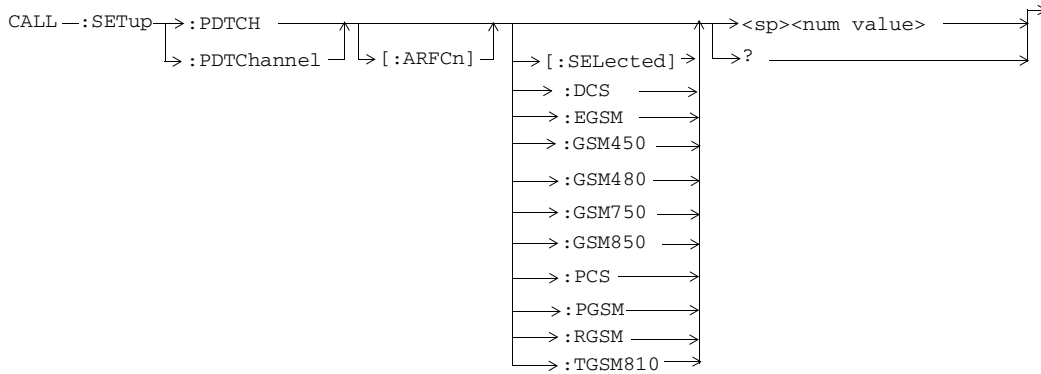


CALL:RFGenerator

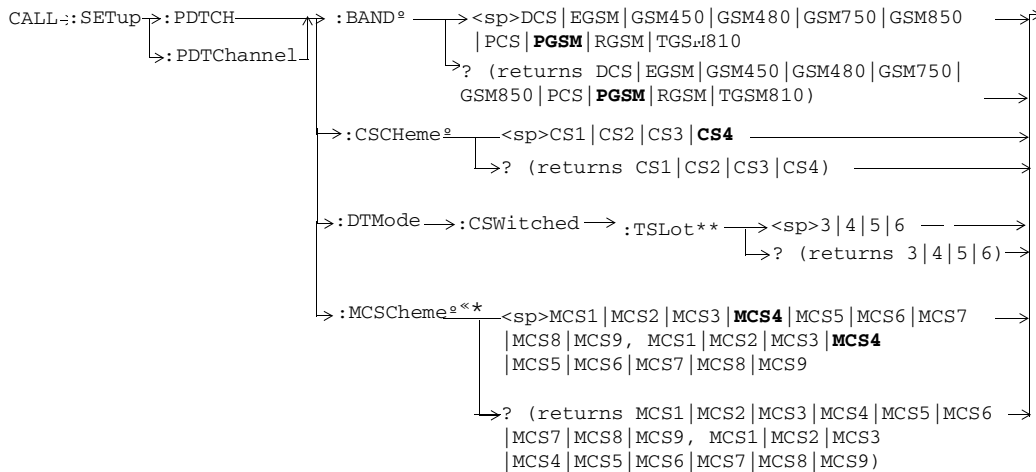


GPIO Syntax for E1968A/E6701D/E6704A

CALL:SETup



These commands are not applicable to GSM.



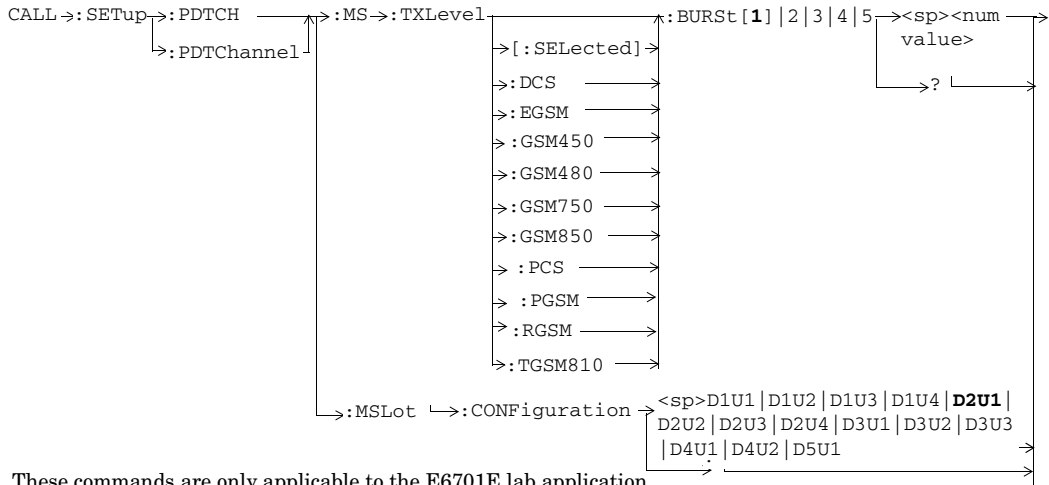
° These commands are not applicable to GSM.

« These commands are not applicable to GPRS.

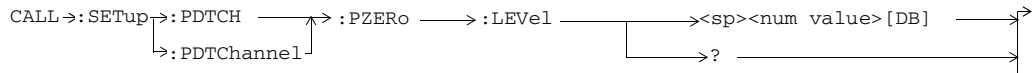
* These commands are only applicable to the lab applications.

** This command is only applicable to the E6701E lab application.

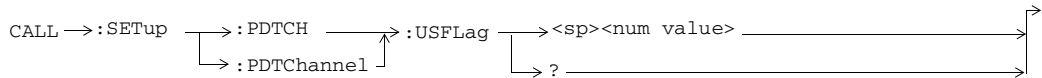
GPIB Syntax for E1968A/E6701D/E6704A



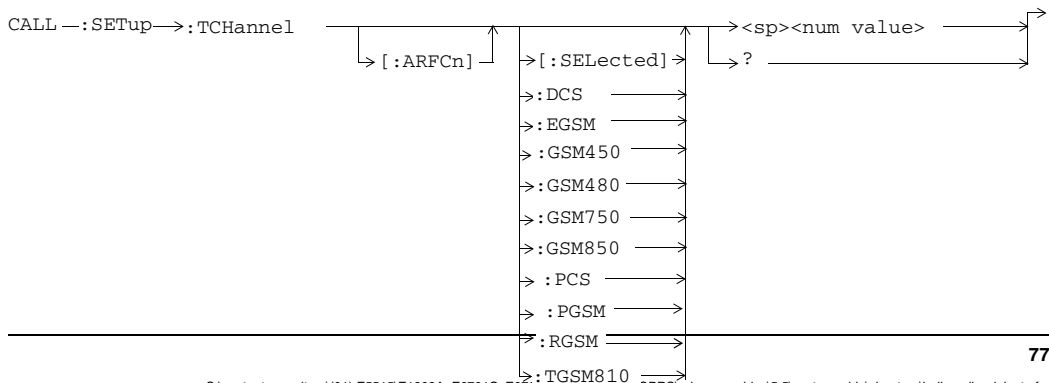
These commands are only applicable to the E6701E lab application.
 These commands are not applicable to GSM.



These commands are not applicable to GSM.



This command is applicable only to the GSM/GPRS and EGPRS lab applications.



GPiB Syntax for E1968A/E6701D/E6704A

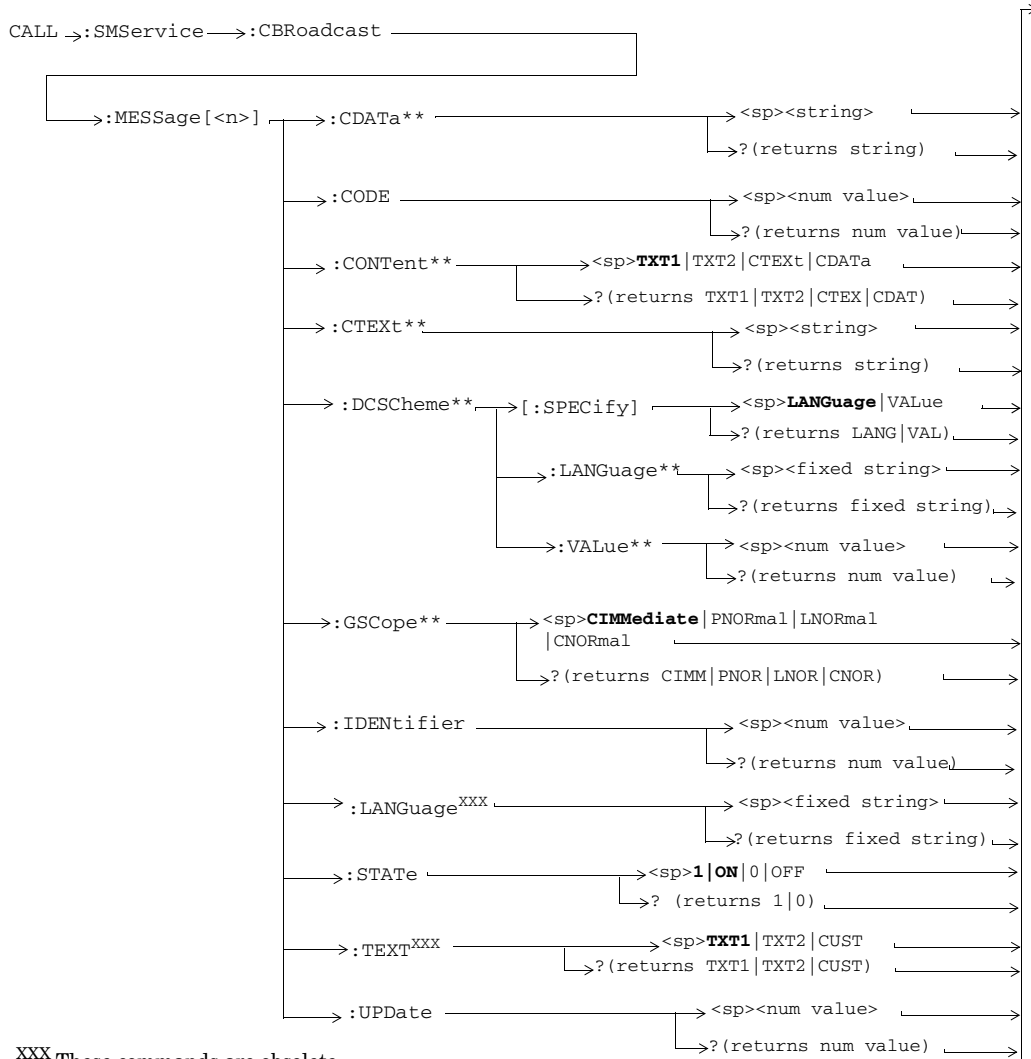
CALL:SIGNaling

CALL → :SIGNaling → :MS → :TXLevel → :FACCH^{XXX} → <sp><1|ON|0|OFF> →
↳! ? (returns 1|0) →

This command is not applicable to GPRS.
^{XXX} This command is obsolete.

CALL:SMSERVICE

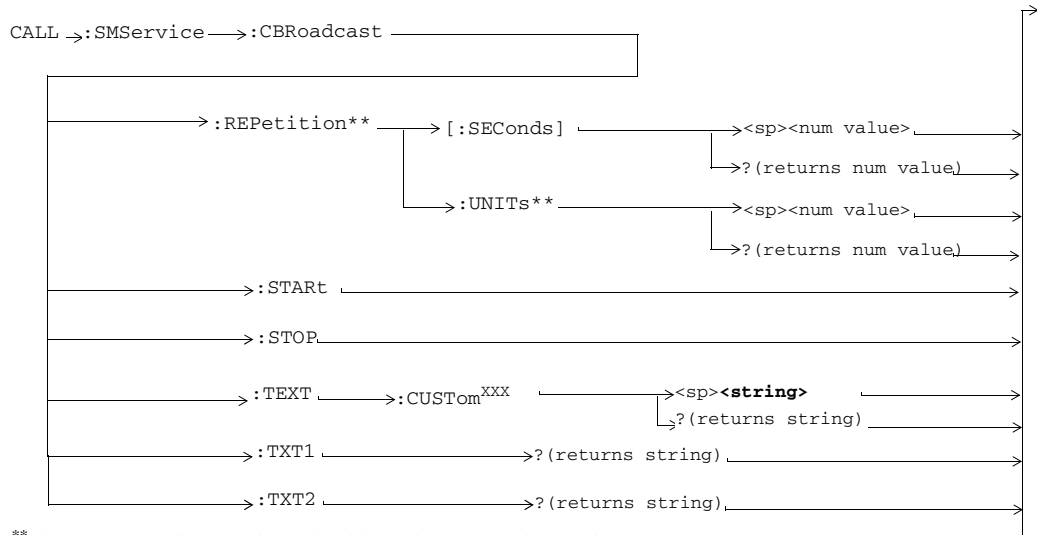
This section is only applicable to the lab applications.



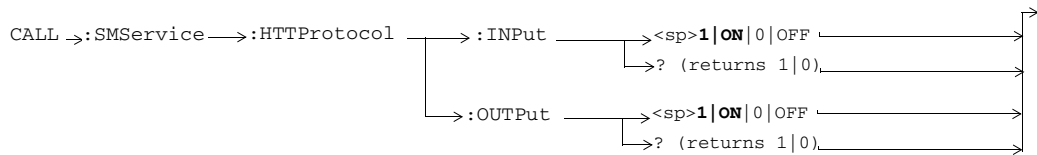
XXX These commands are obsolete.

** These commands are only applicable to the E6701E lab application.

GPiB Syntax for E1968A/E6701D/E6704A



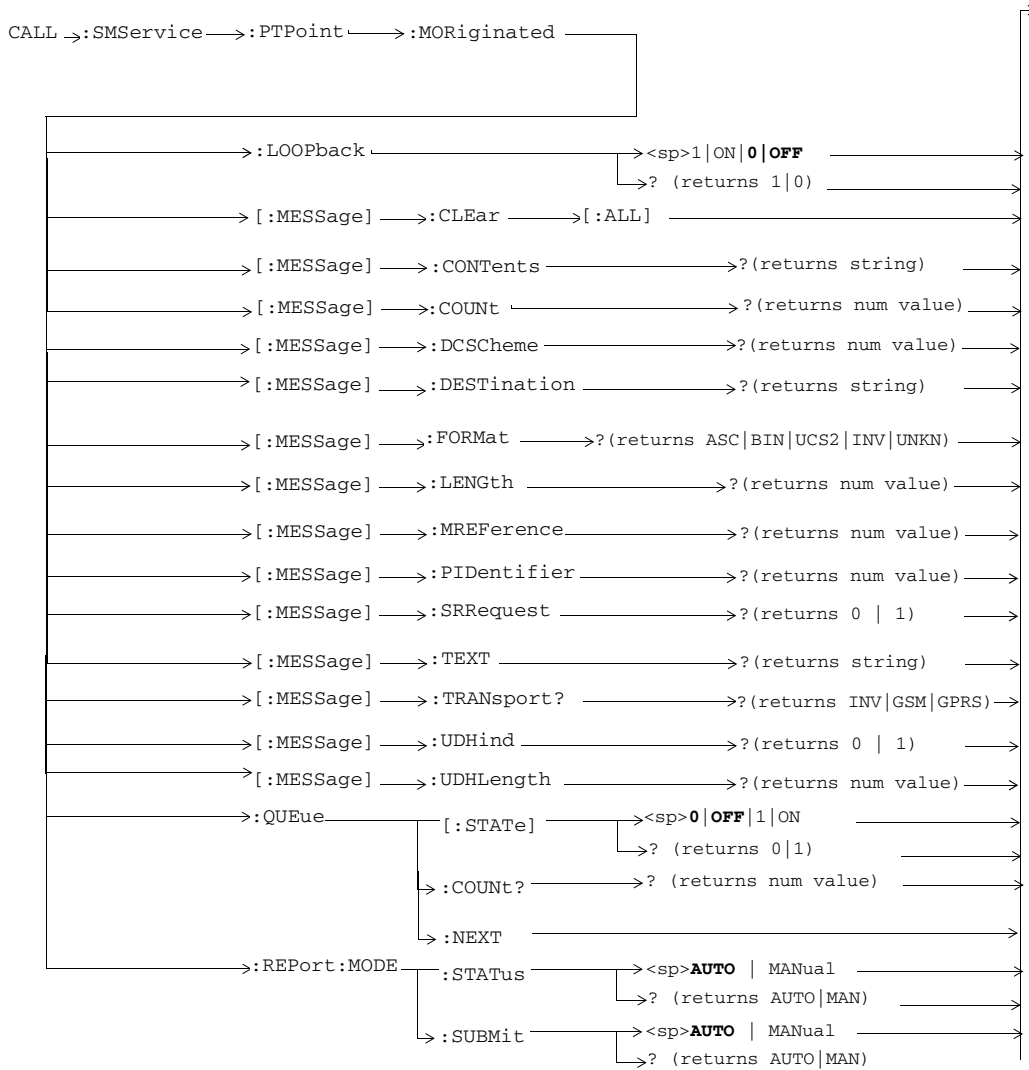
**These commands are only applicable to the E6701E lab application.



These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

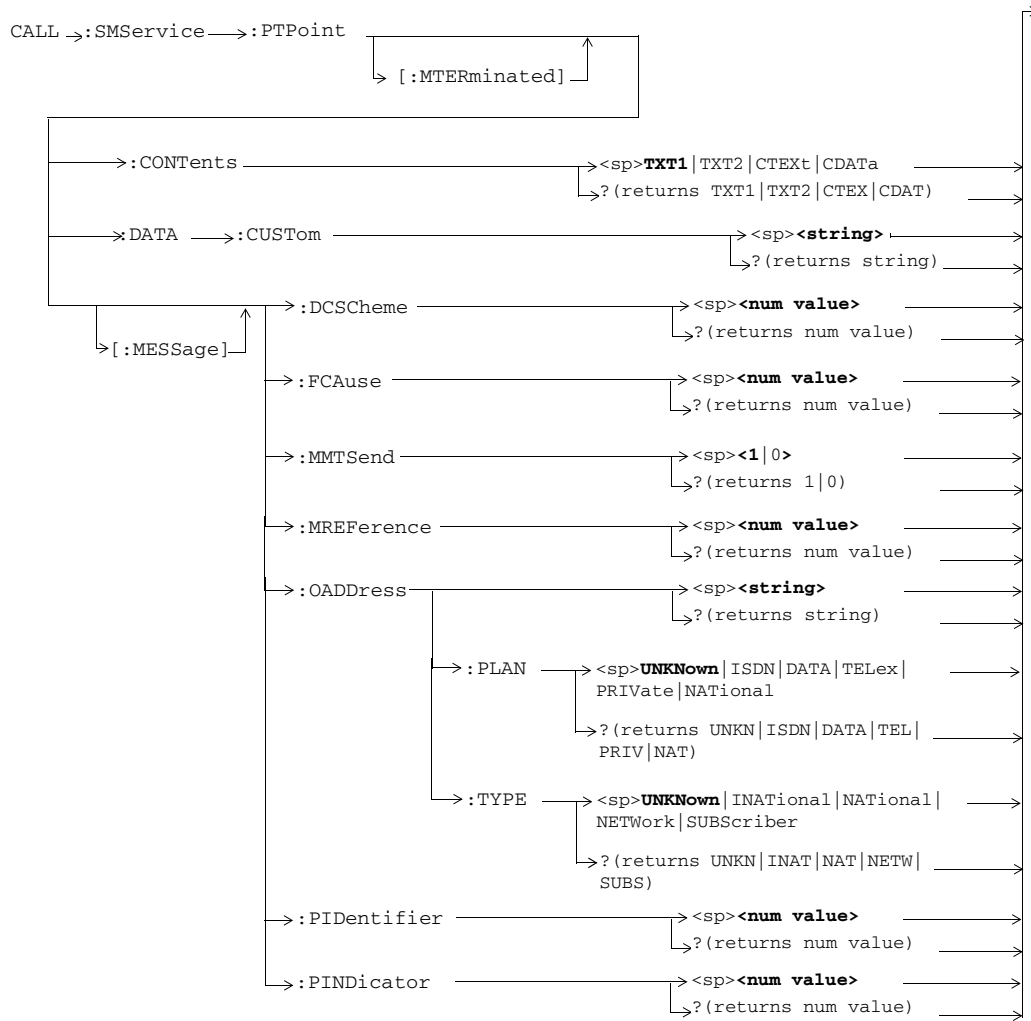
^{XXX}These commands are obsolete.

GPiB Syntax for E1968A/E6701D/E6704A

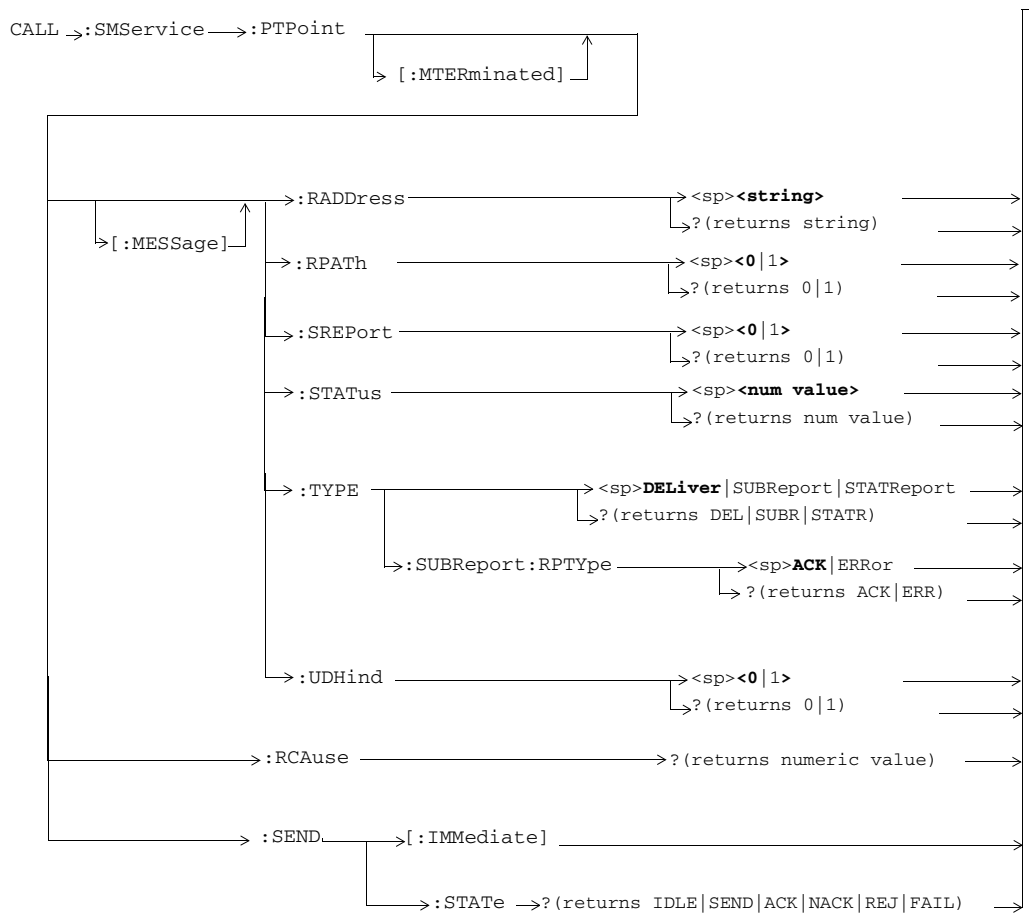


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPiB Syntax for E1968A/E6701D/E6704A

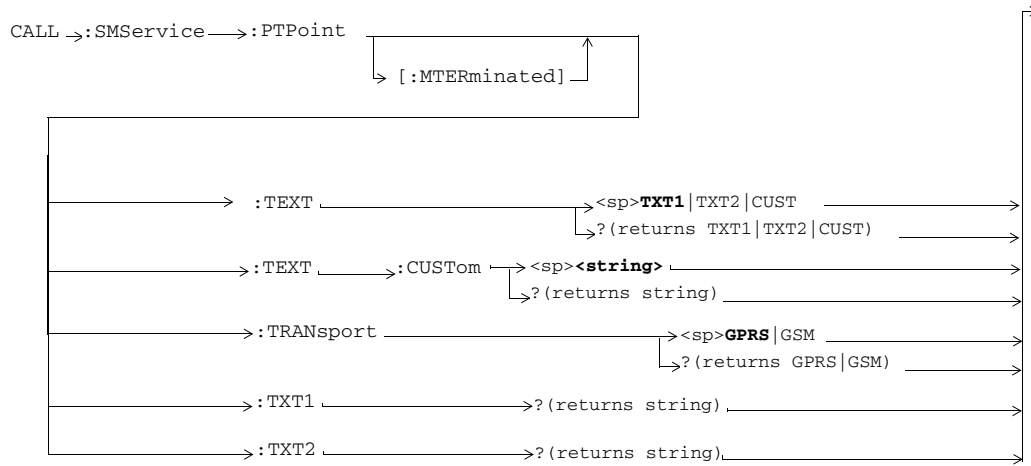


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPiB Syntax for E1968A/E6701D/E6704A



These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPiB Syntax for E1968A/E6701D/E6704A

CALL:TBFLow

CALL → [:CELL] → :TBFLow → :UPLink → :EXTended → [:STATe] → <sp>1|ON|0|OFF → ? (returns 1|0)

This command is only applicable to the E6701E lab application.

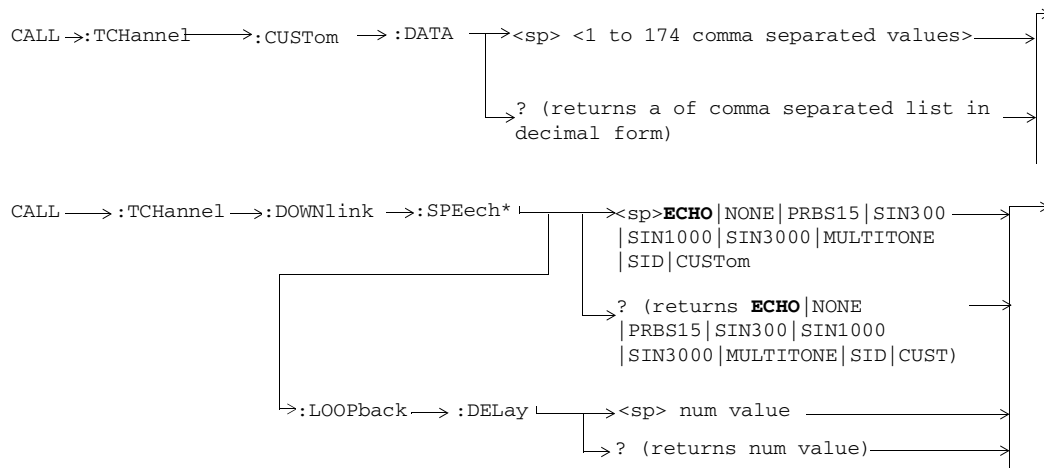
CALL:TCHannel

CALL → :TCHannel → [:ARFCn] → [:SElected] → <sp><num value> → ?

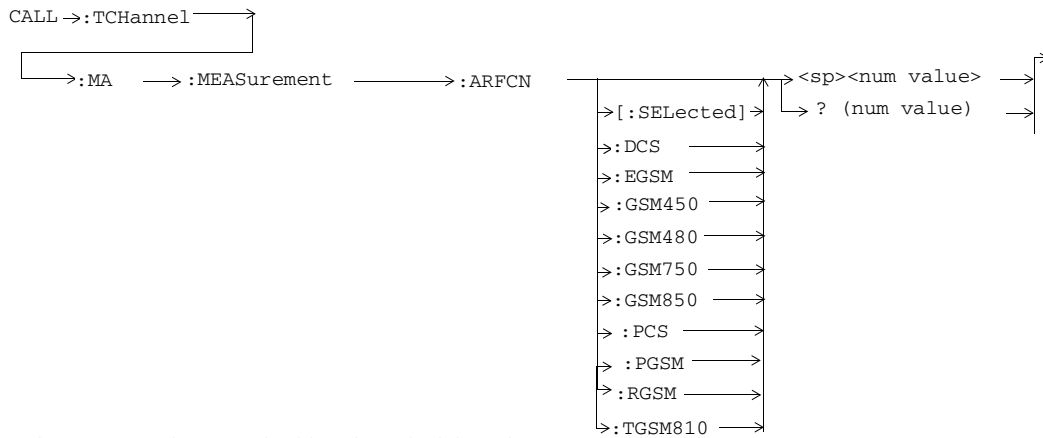
- :DCS
- :EGSM
- :GSM450
- :GSM480
- :GSM750
- :GSM850
- :PCS
- :PGSM
- :RGSM
- :TGSM810

These commands are not applicable to GPRS.

GPiB Syntax for E1968A/E6701D/E6704A

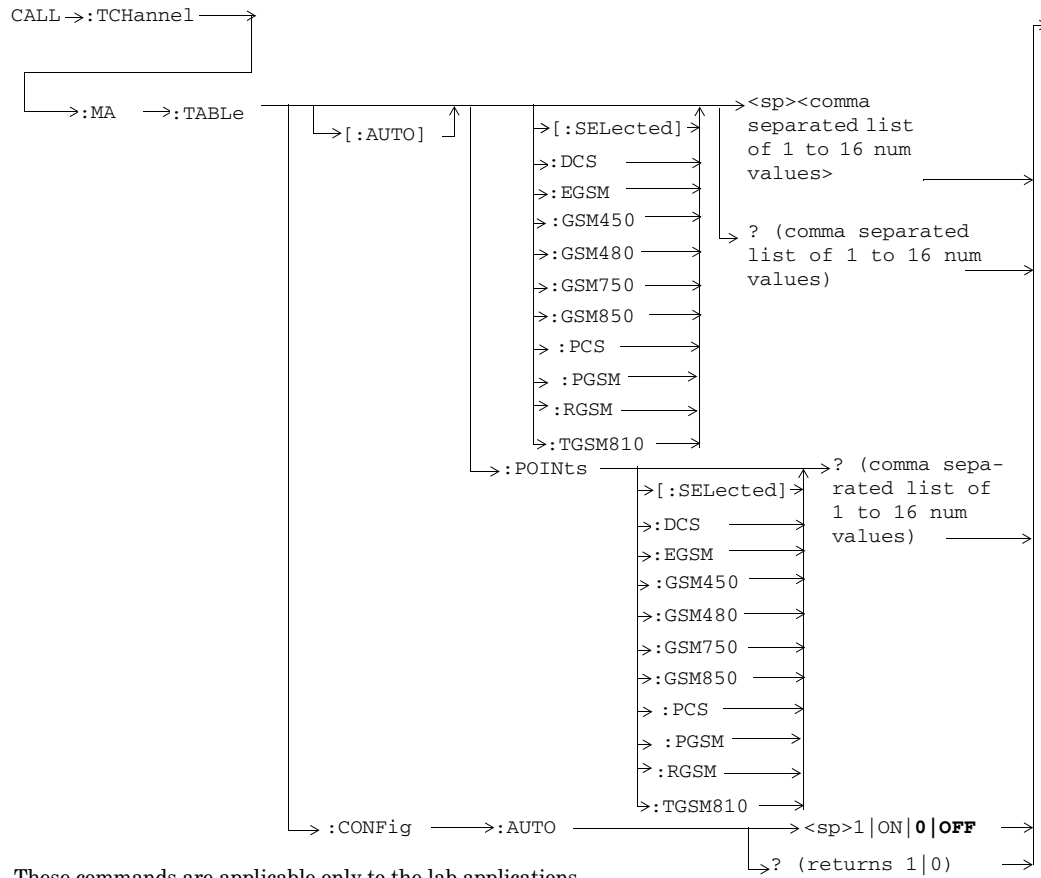


GPIO Syntax for E1968A/E6701D/E6704A



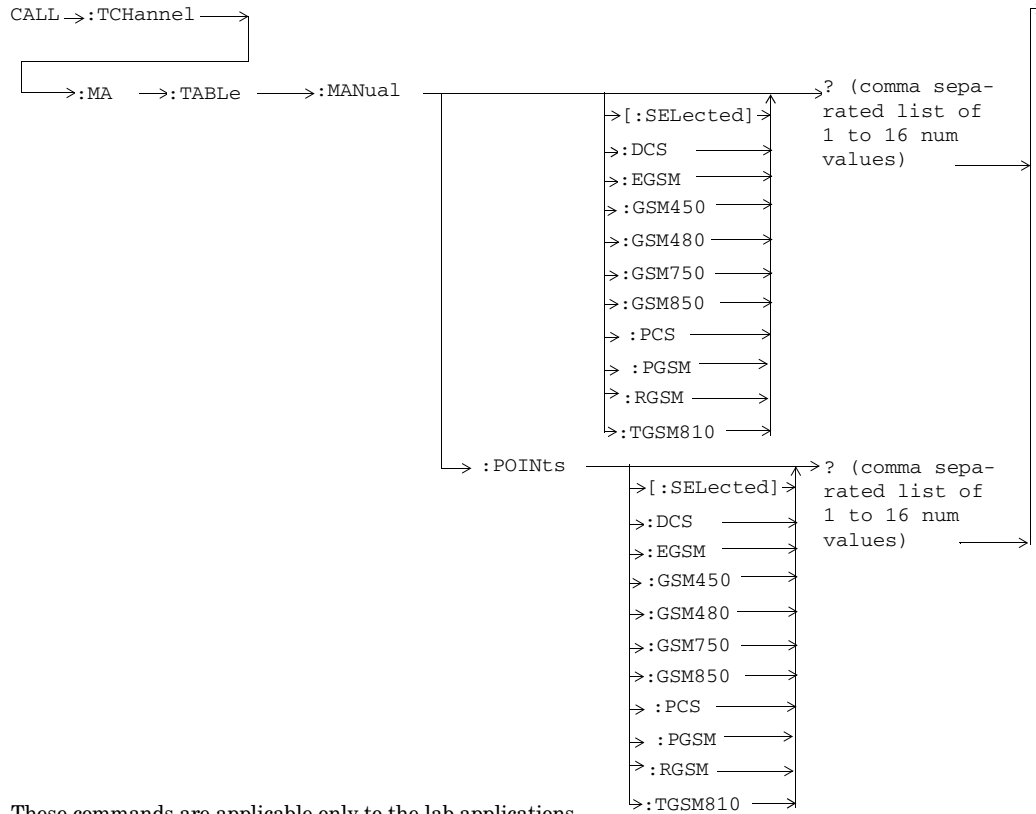
These commands are applicable only to the lab applications.

GPIB Syntax for E1968A/E6701D/E6704A



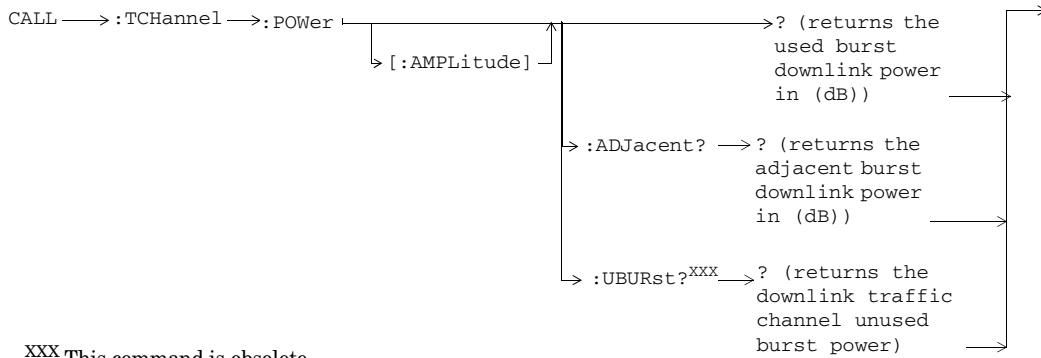
These commands are applicable only to the lab applications.

GPiB Syntax for E1968A/E6701D/E6704A

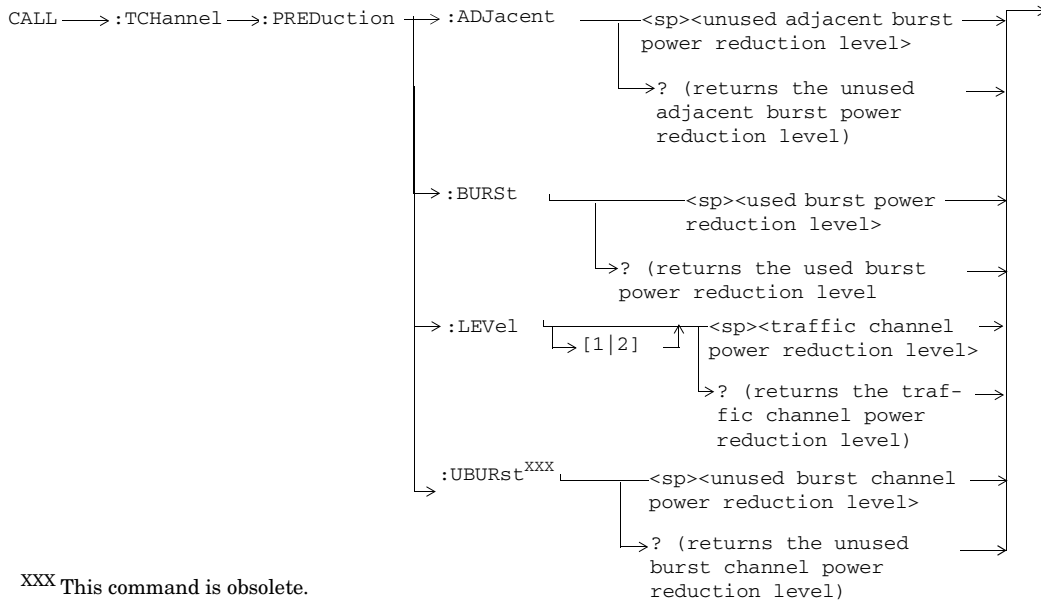


These commands are applicable only to the lab applications.

GPIO Syntax for E1968A/E6701D/E6704A



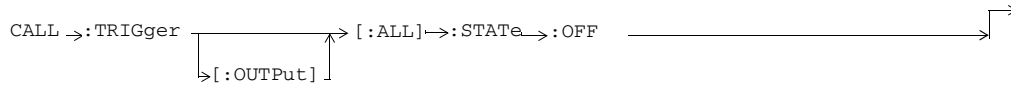
^{XXX} This command is obsolete.



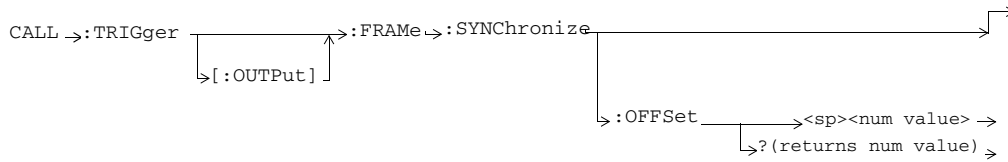
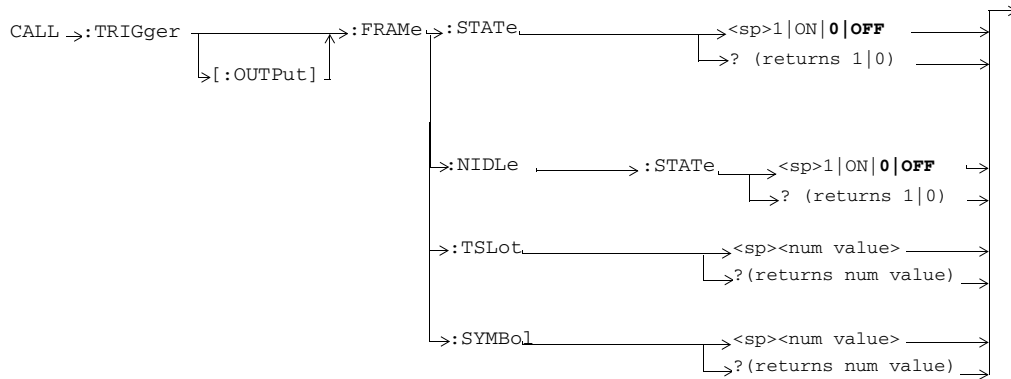
^{XXX} This command is obsolete.

GPIO Syntax for E1968A/E6701D/E6704A

CALL:TRIGger

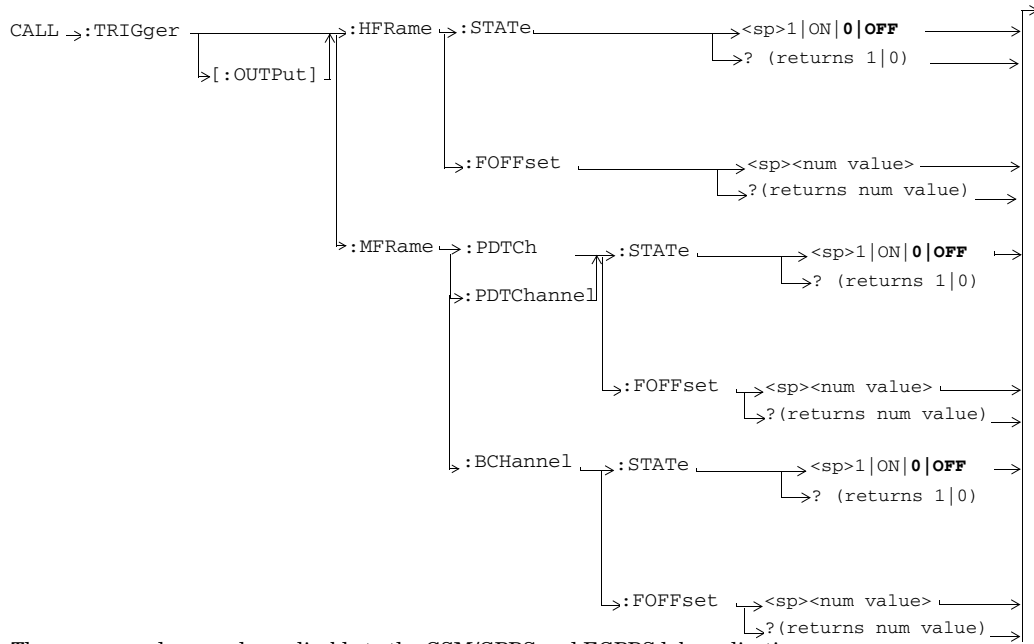


This command is only applicable to the GSM/GPRS and EGPRS lab applications.

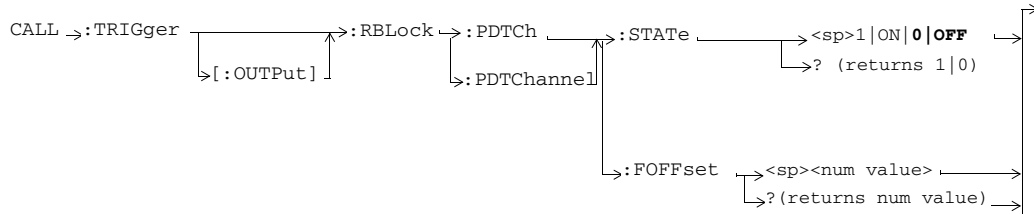


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPiB Syntax for E1968A/E6701D/E6704A

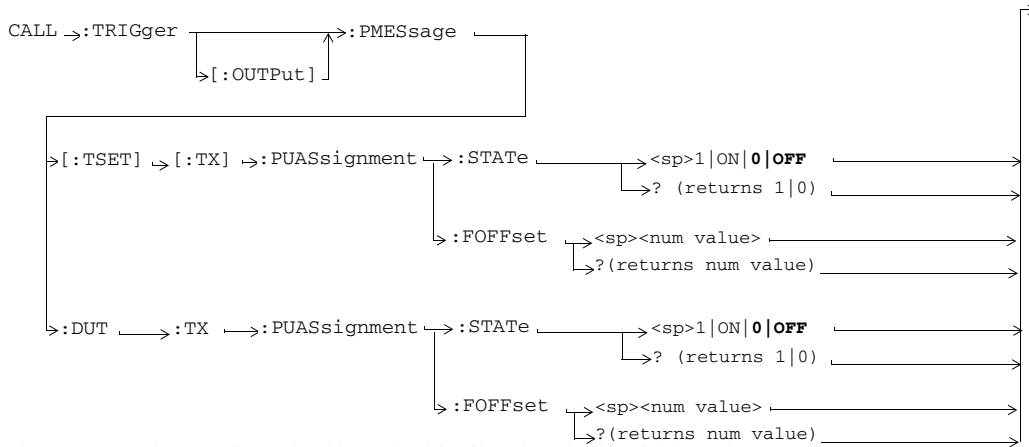


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

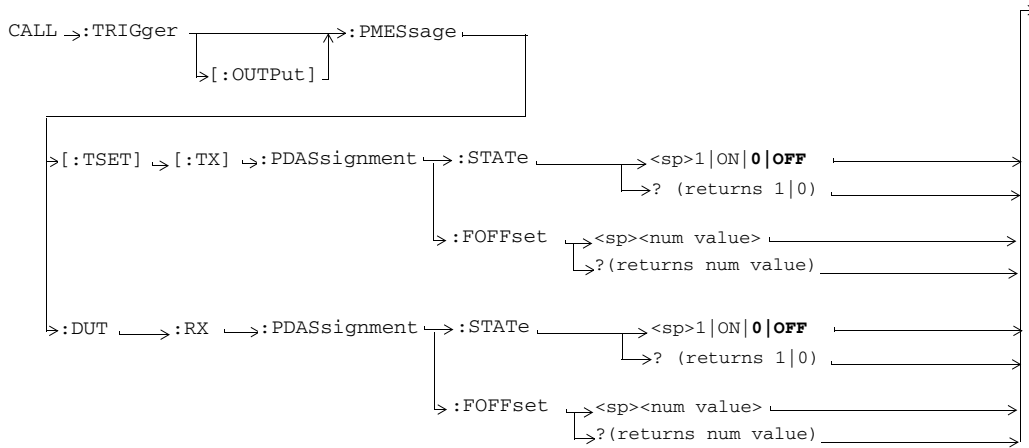


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

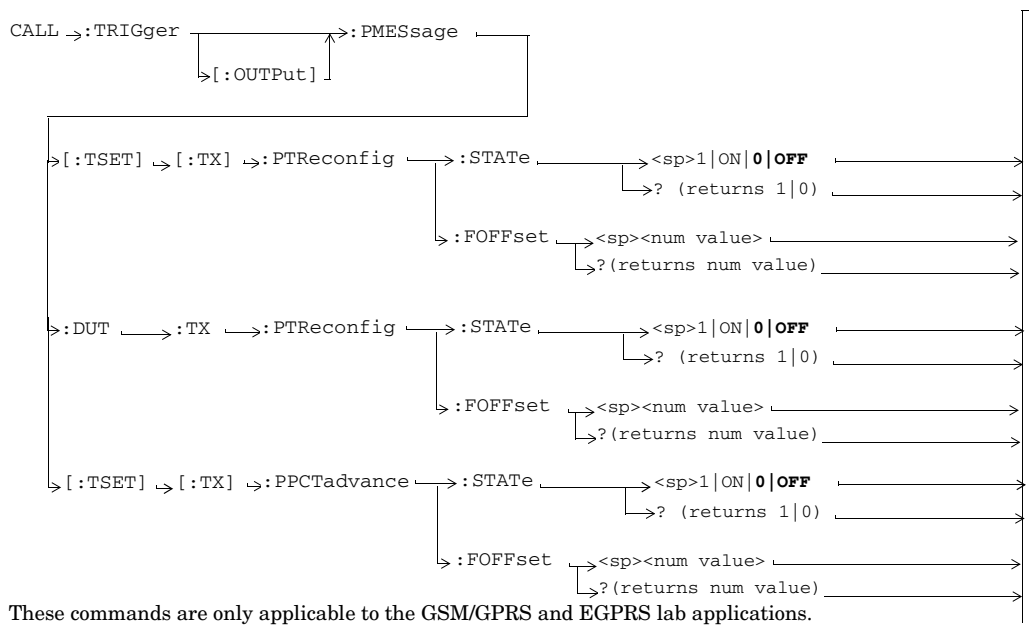
GPIO Syntax for E1968A/E6701D/E6704A



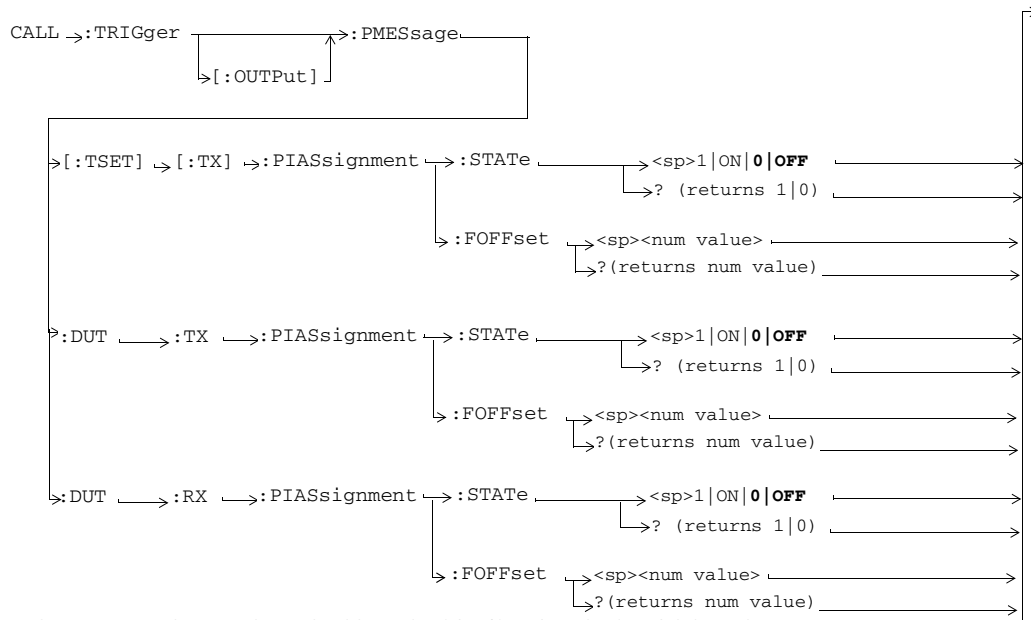
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



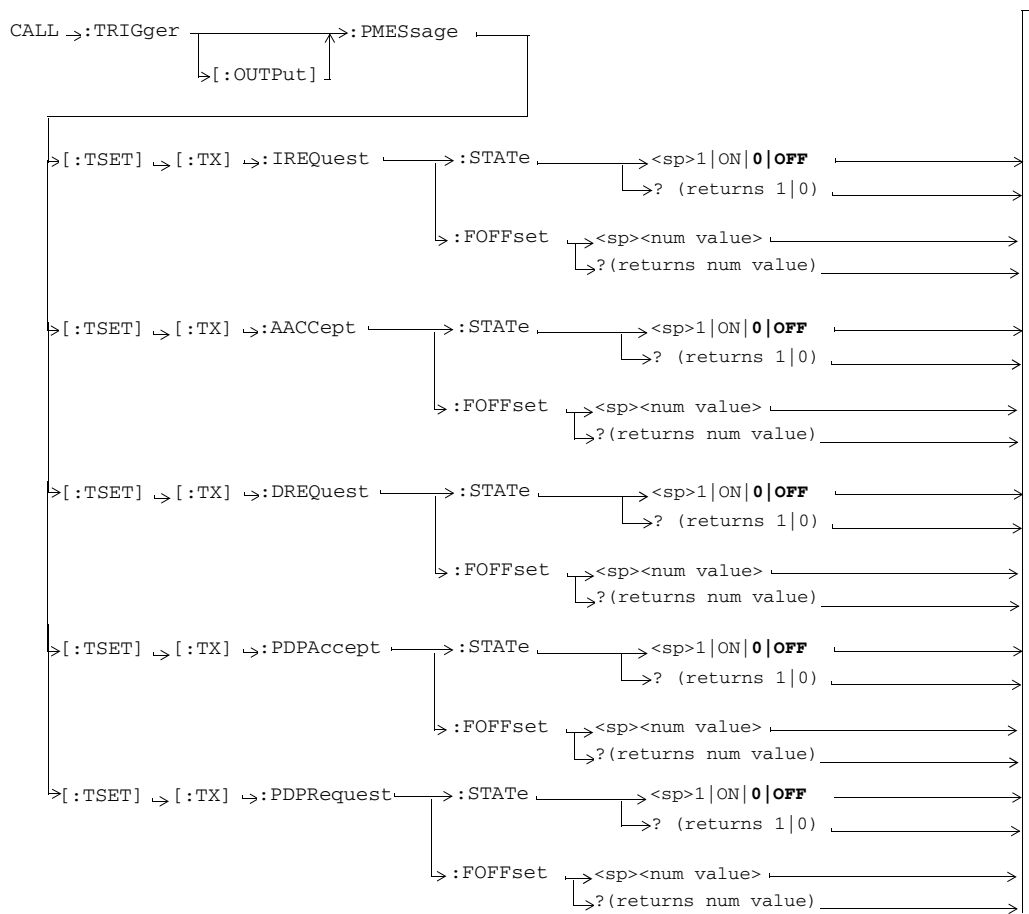
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



GPIO Syntax for E1968A/E6701D/E6704A



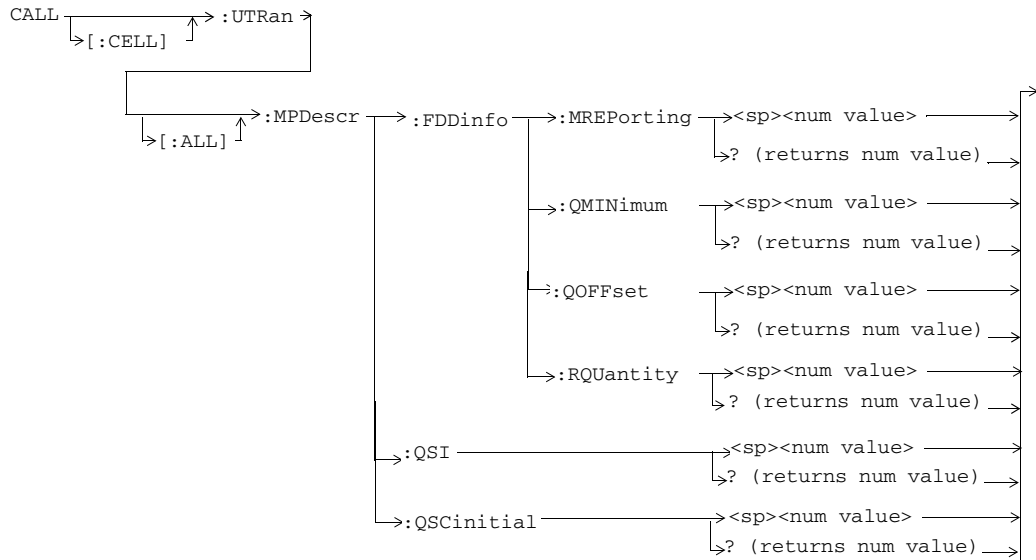
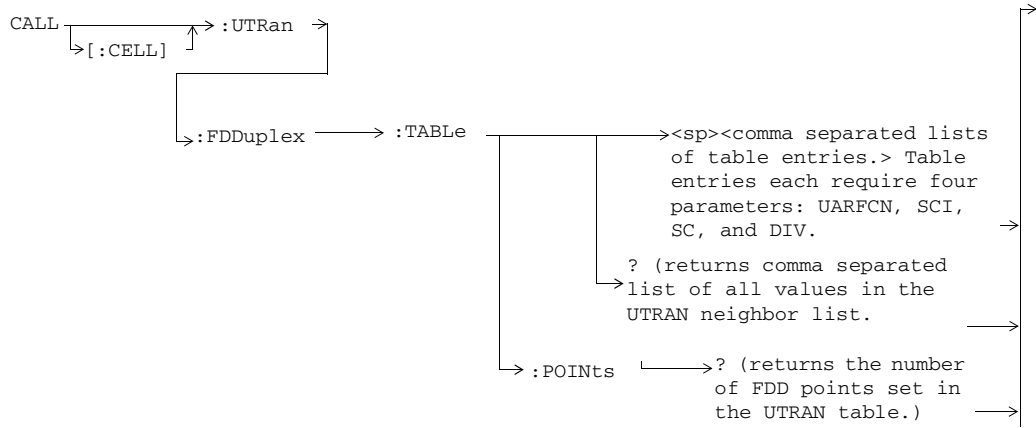
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



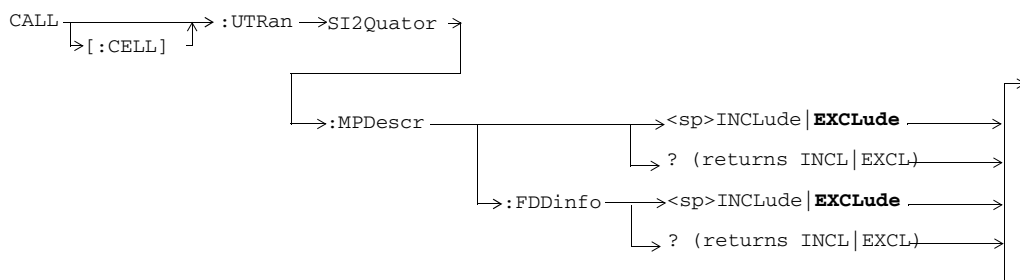
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPiB Syntax for E1968A/E6701D/E6704A

CALL:UTRan

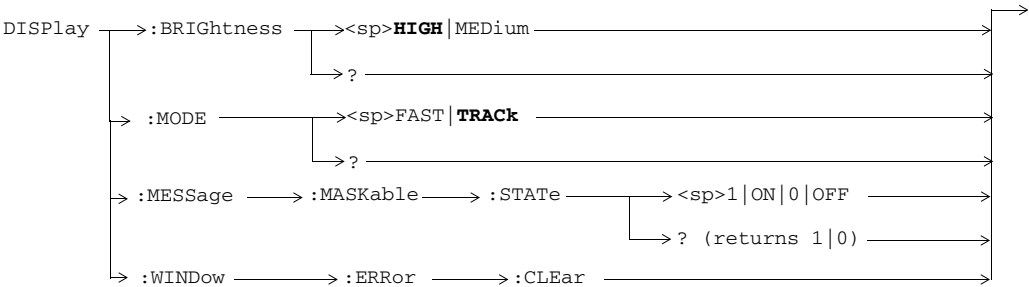


GPiB Syntax for E1968A/E6701D/E6704A



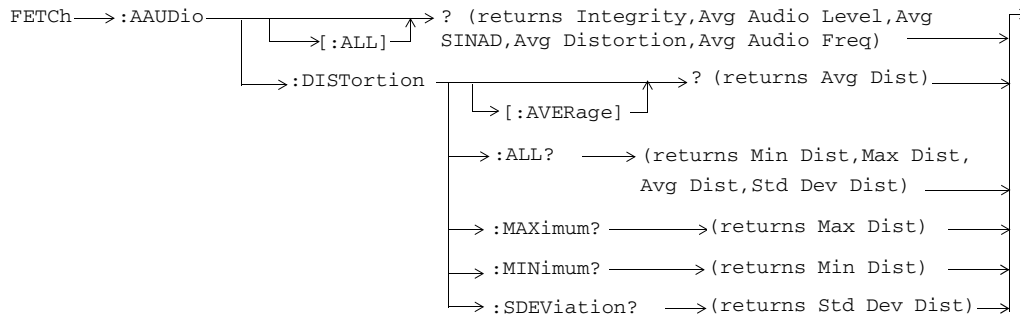
GPIB Syntax for E1968A/E6701D/E6704A

DISPlay

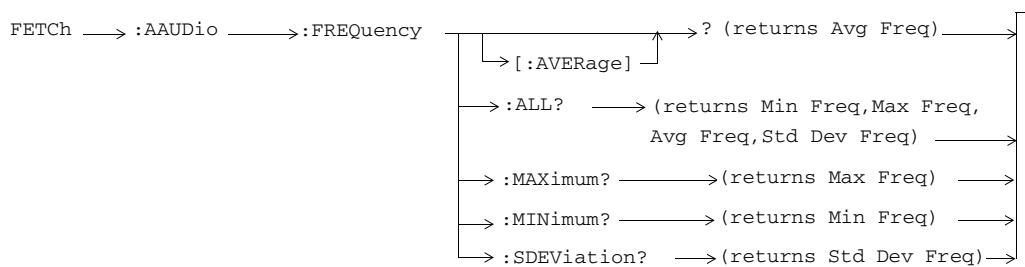


GPIO Syntax for E1968A/E6701D/E6704A

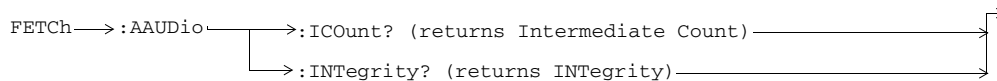
FETCH:AAudio



These commands are not applicable to GPRS.

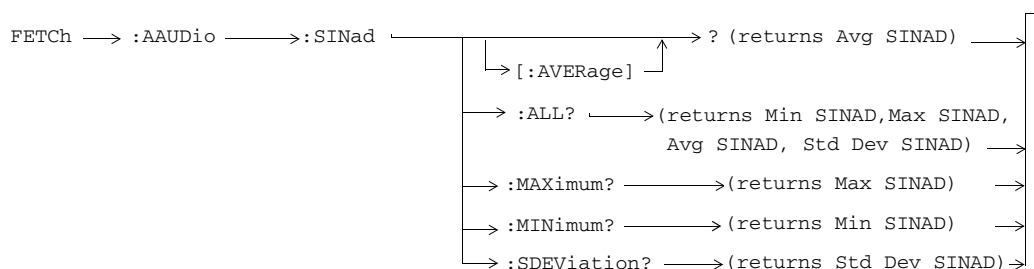


These commands are not applicable to GPRS.

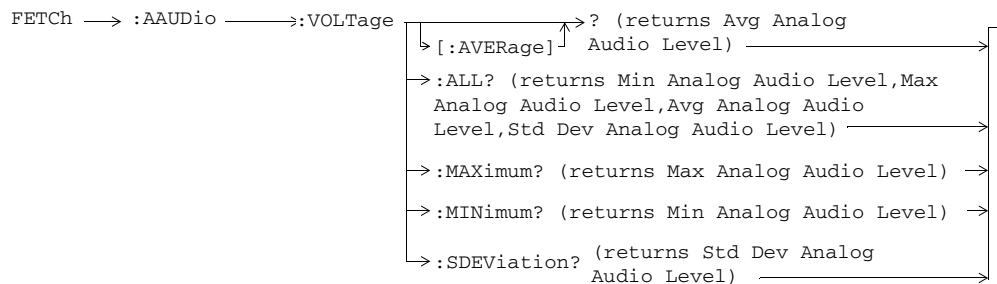


These commands are not applicable to GPRS.

GPIO Syntax for E1968A/E6701D/E6704A

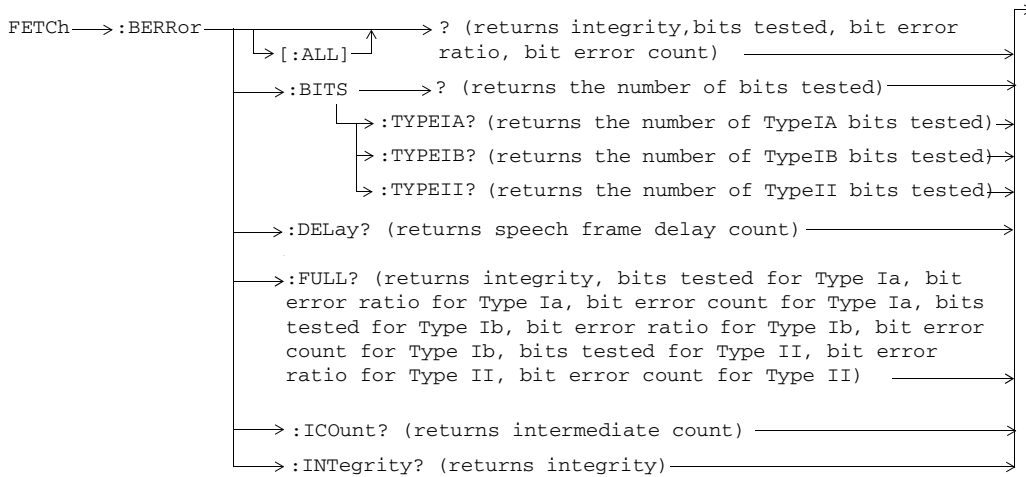


These commands are not applicable to GPRS.

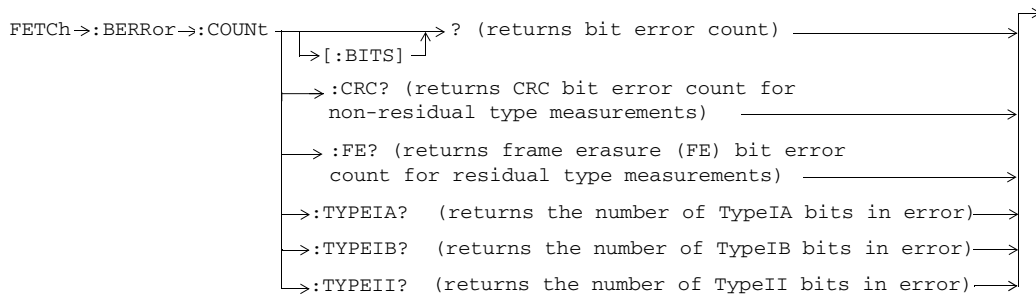


These commands are not applicable to GPRS.

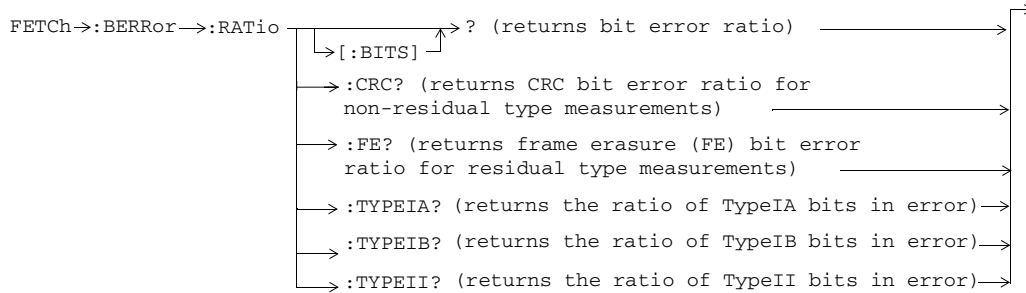
FEtCh:BErRor



These commands are not applicable to GPRS or EGPRS.

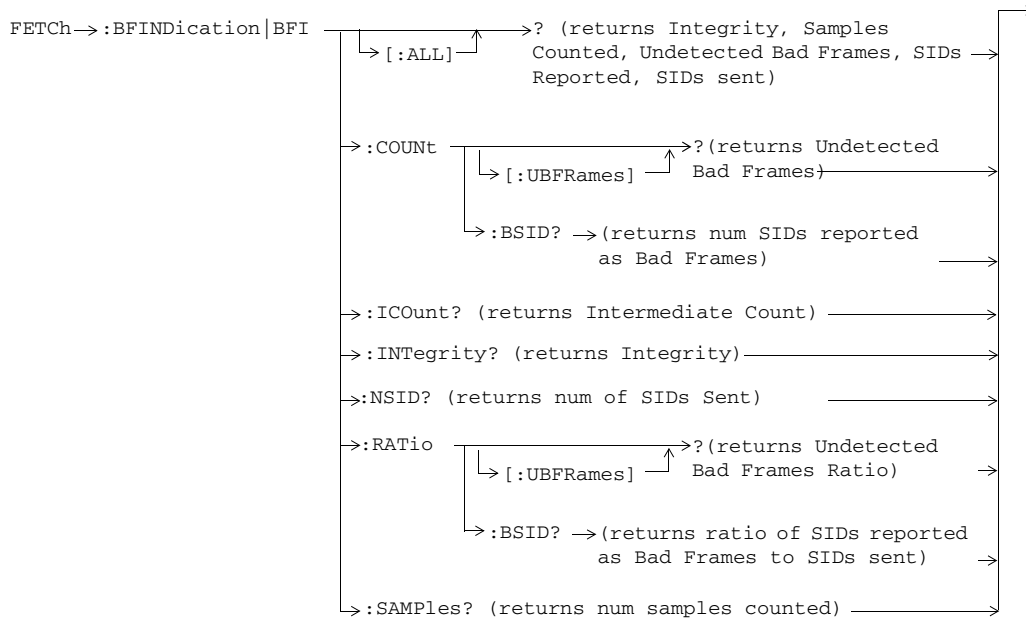


These commands are not applicable to GPRS or EGPRS.



These commands are not applicable to GPRS or EGPRS.

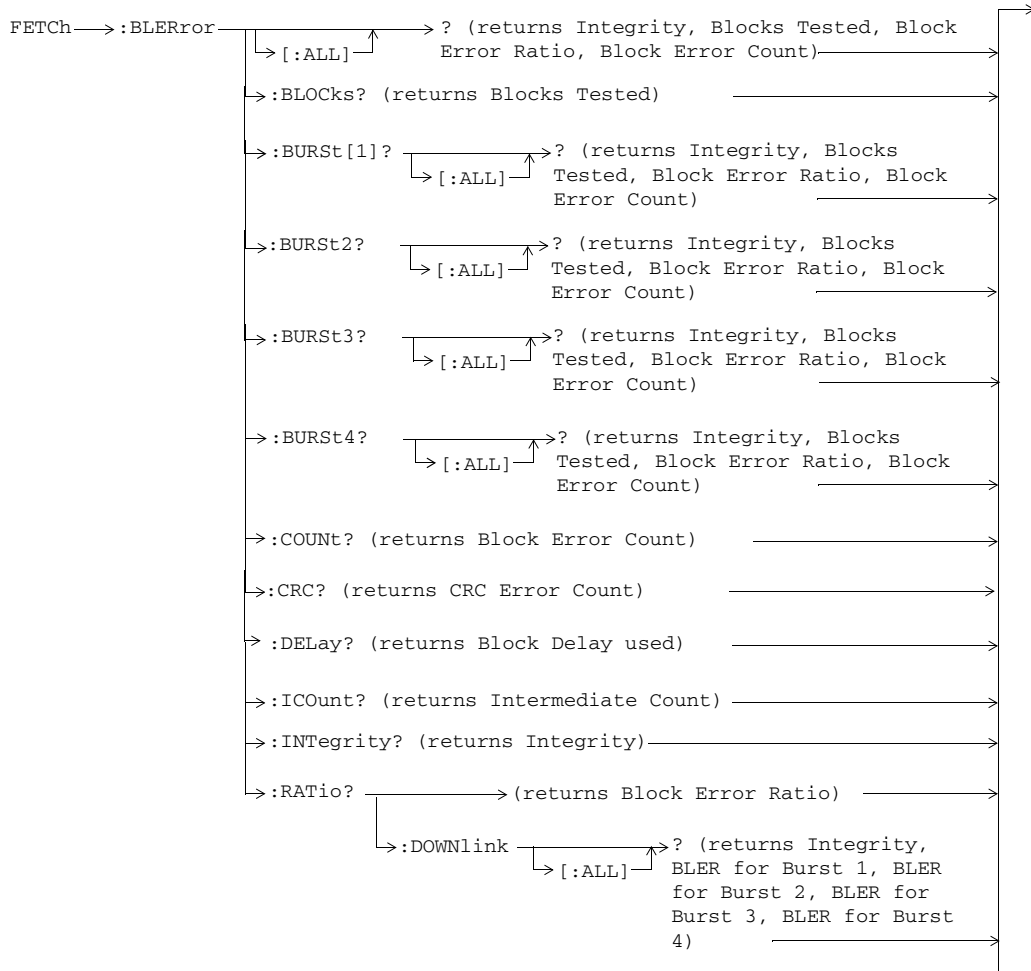
FETCh:<BFINDication | BFI>



These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

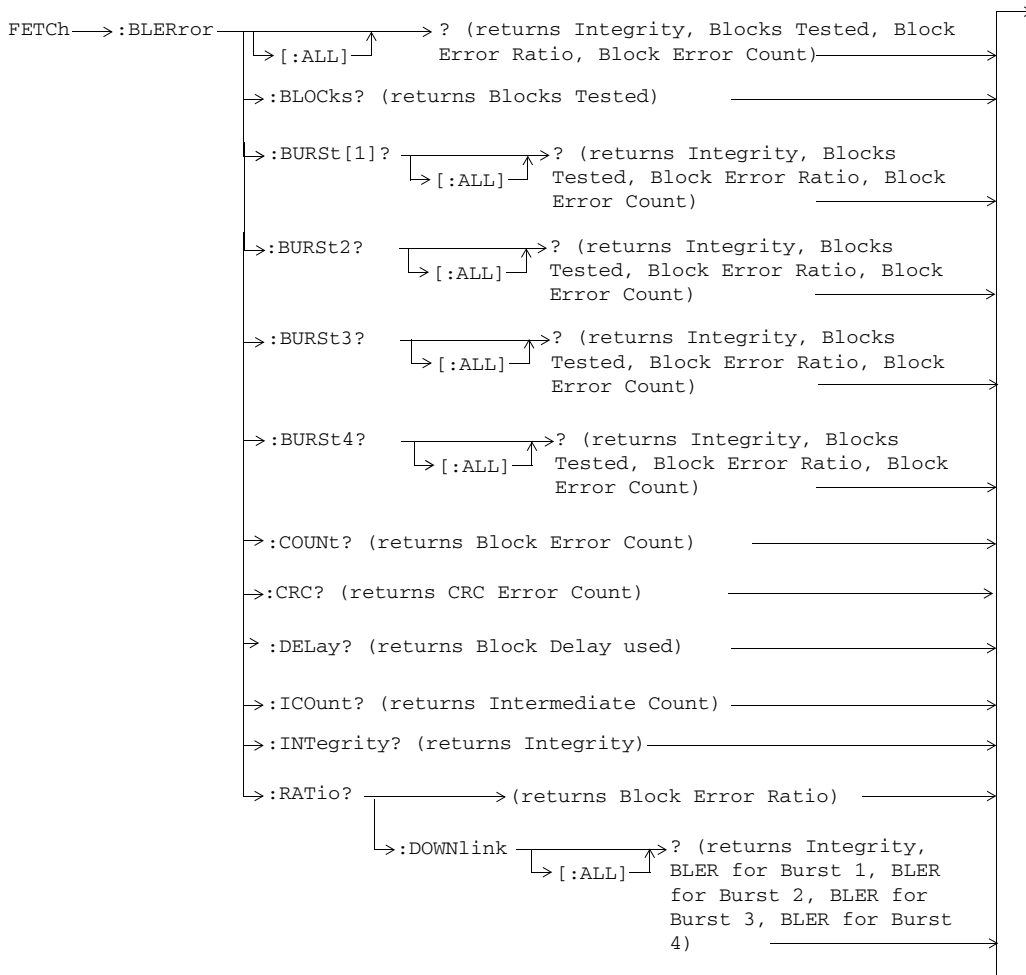
GPiB Syntax for E1968A/E6701D/E6704A

FEtCh:BLERror



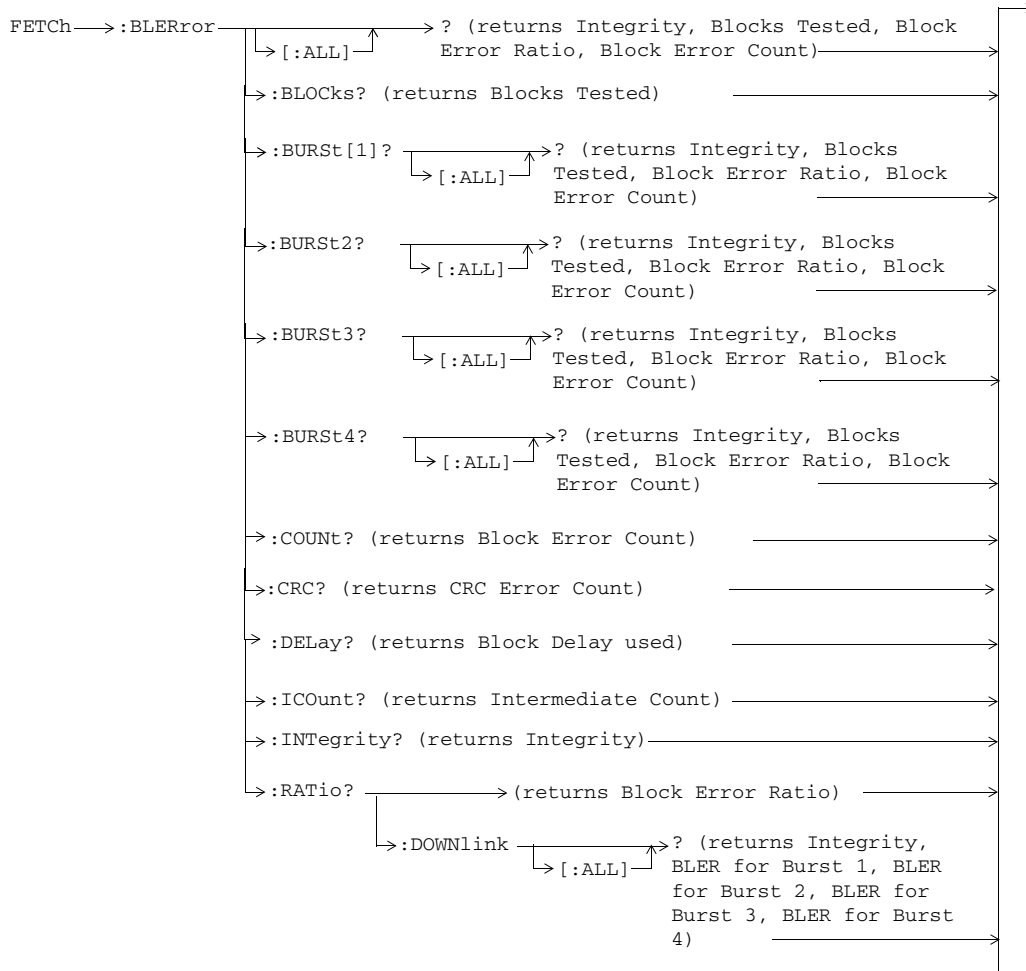
These commands are not applicable to GSM.

GPiB Syntax for E1968A/E6701D/E6704A



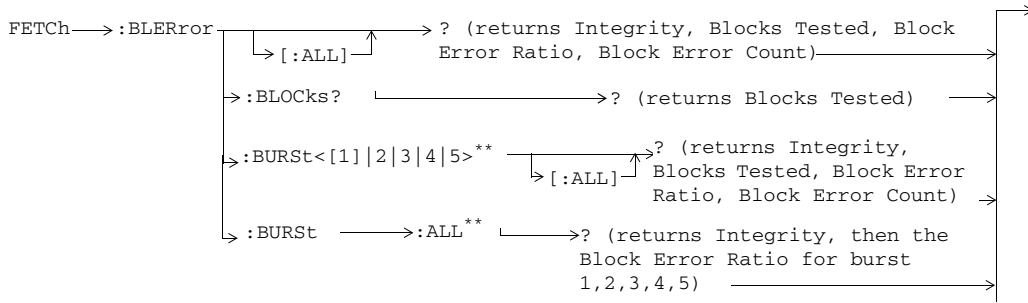
These commands are not applicable to GSM.

GPiB Syntax for E1968A/E6701D/E6704A

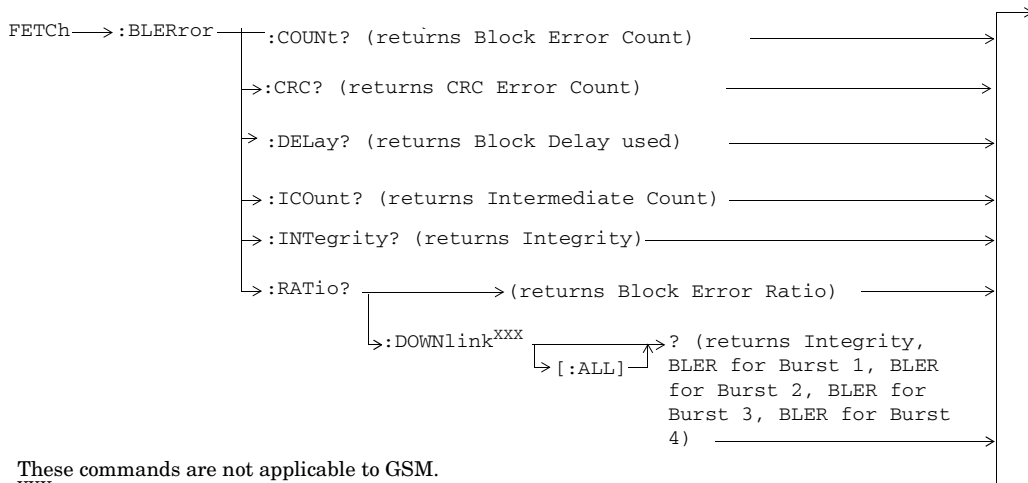


These commands are not applicable to GSM.

GPiB Syntax for E1968A/E6701D/E6704A

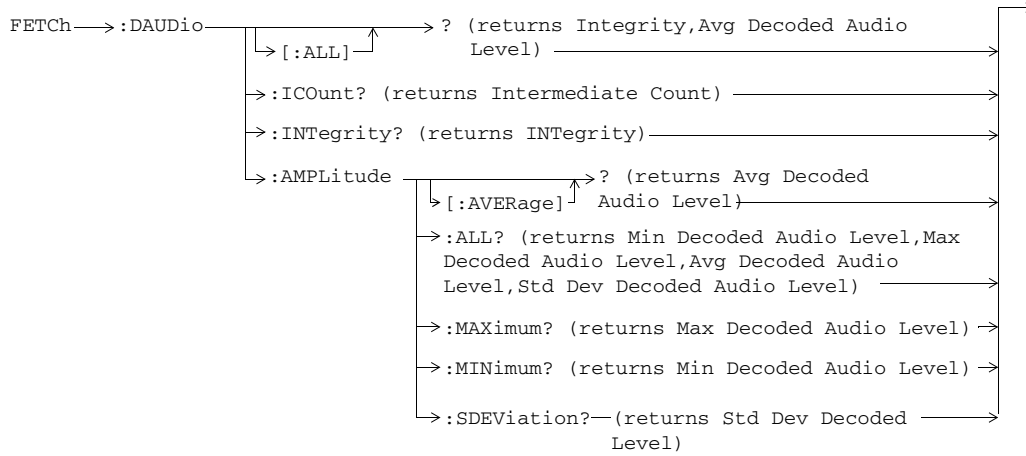


These commands are not applicable to GSM.
 ** These commands are only applicable to the E6701E lab application.



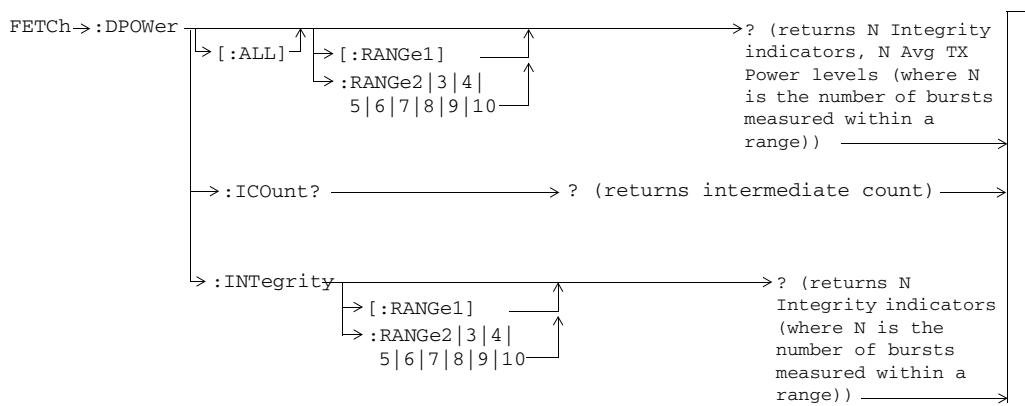
These commands are not applicable to GSM.
 XXX This command is obsolete.

FETCH:DAUDIO

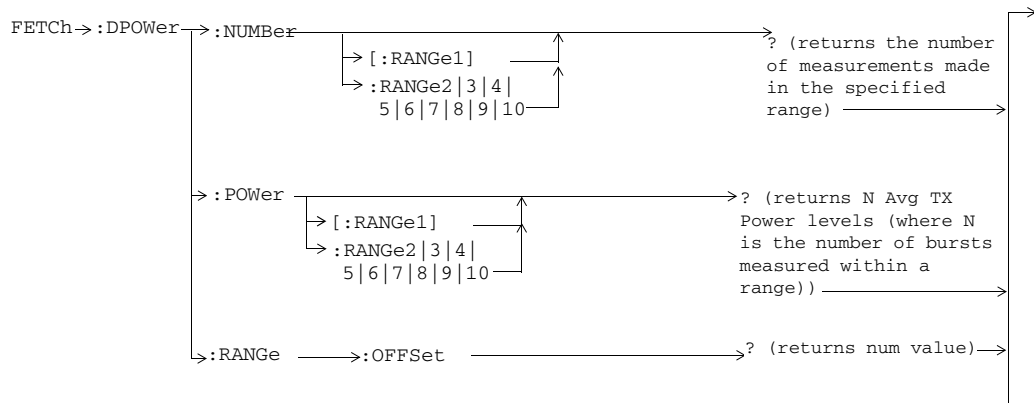


These commands are not applicable to GPRS.

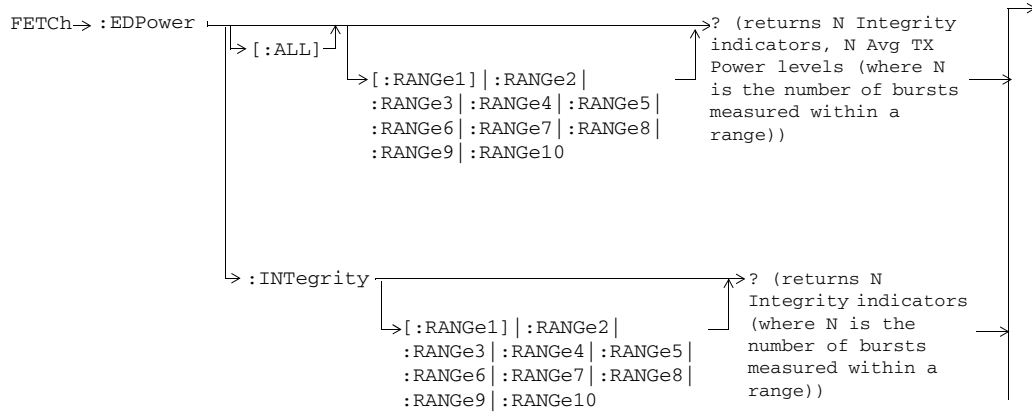
FETCH:DPOWER



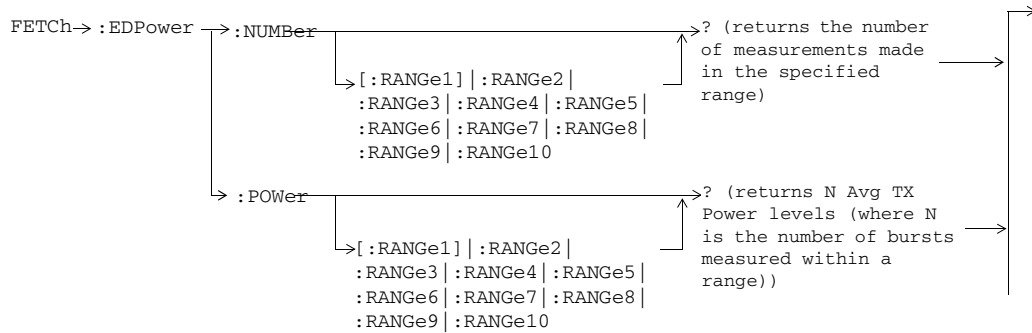
GPIB Syntax for E1968A/E6701D/E6704A



FEtCh:EDPower



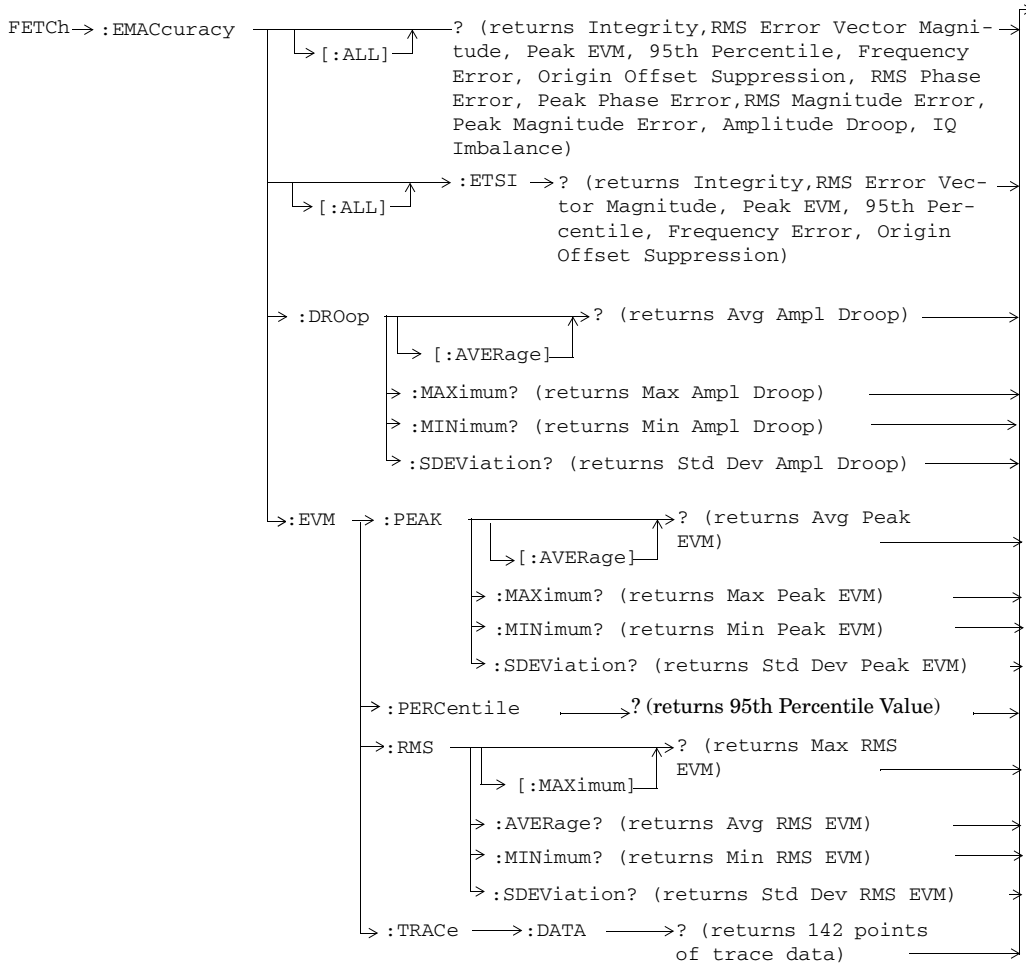
These commands are only applicable to EGPRS.



These commands are only applicable to EGPRS.

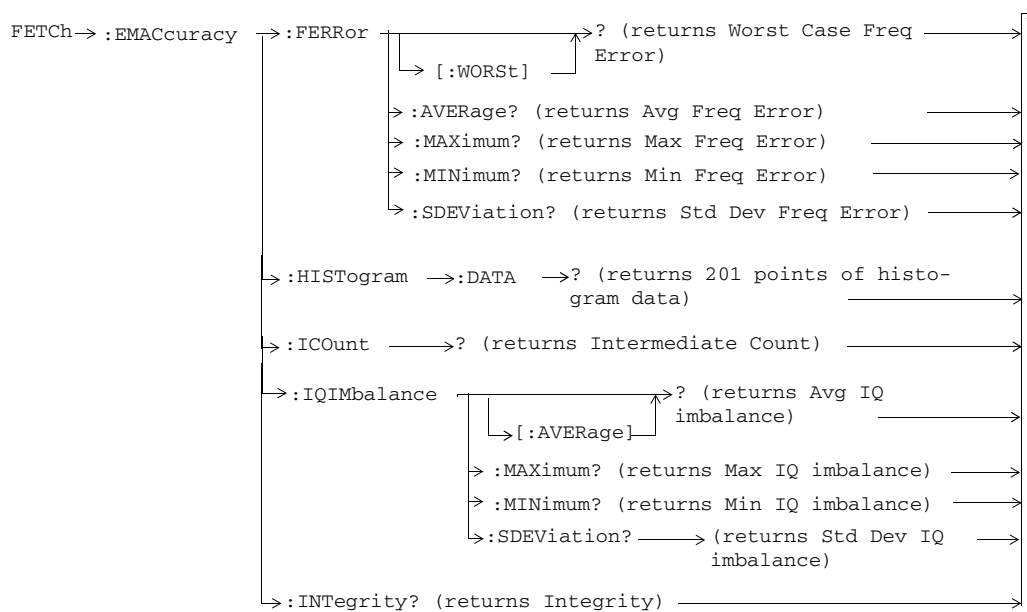
GPIO Syntax for E1968A/E6701D/E6704A

FETCH:EMACcuracy



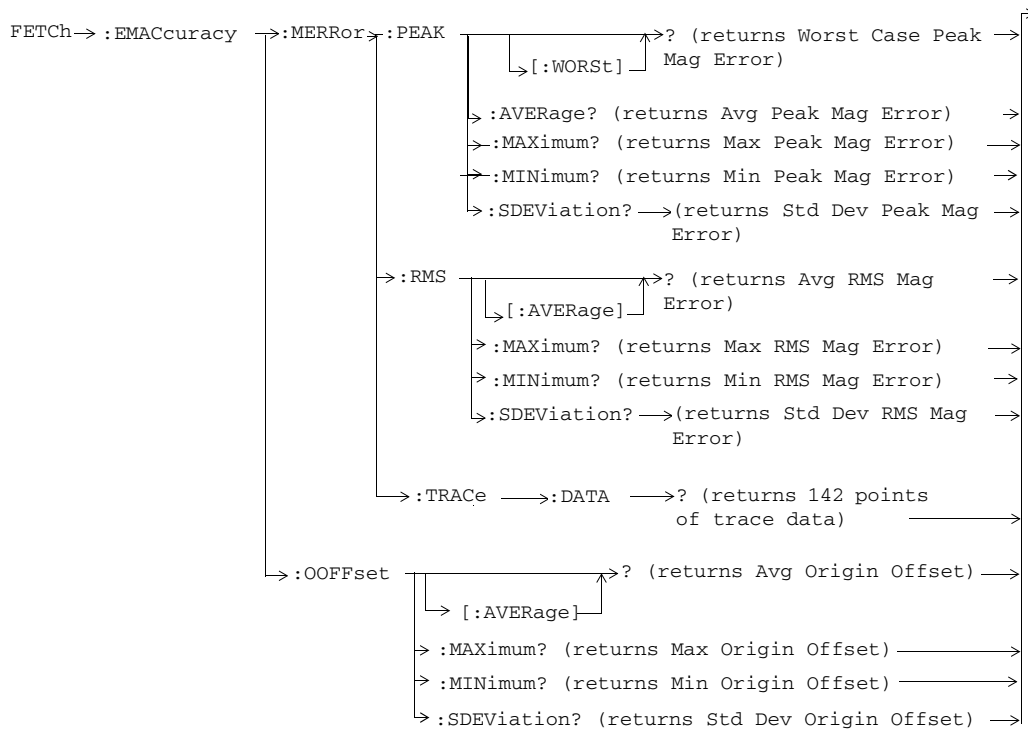
These commands are only applicable to EGPRS.

GPIO Syntax for E1968A/E6701D/E6704A



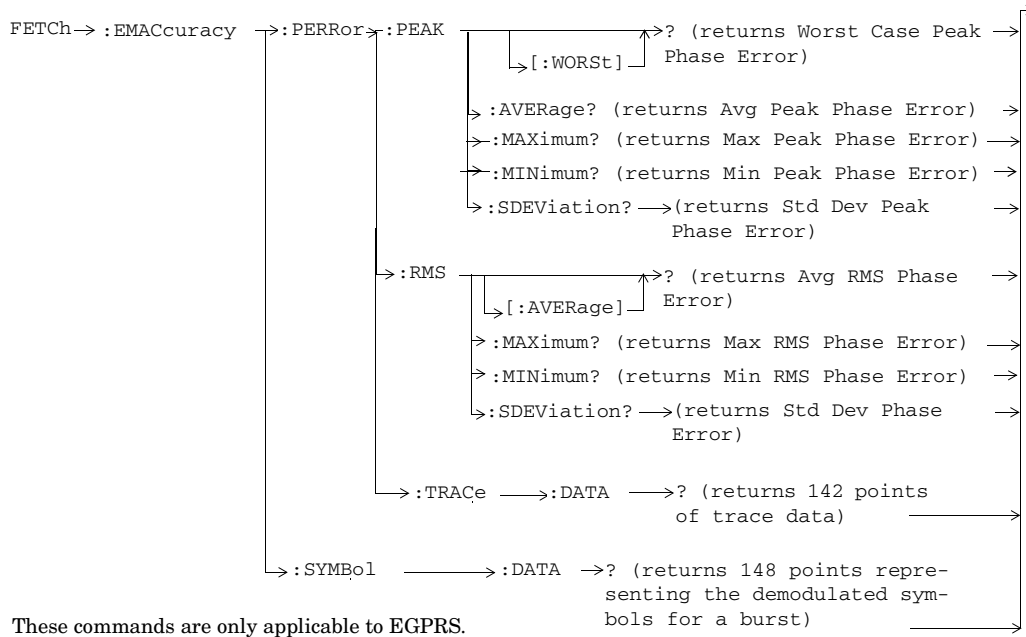
These commands are only applicable to EGPRS.

GPiB Syntax for E1968A/E6701D/E6704A



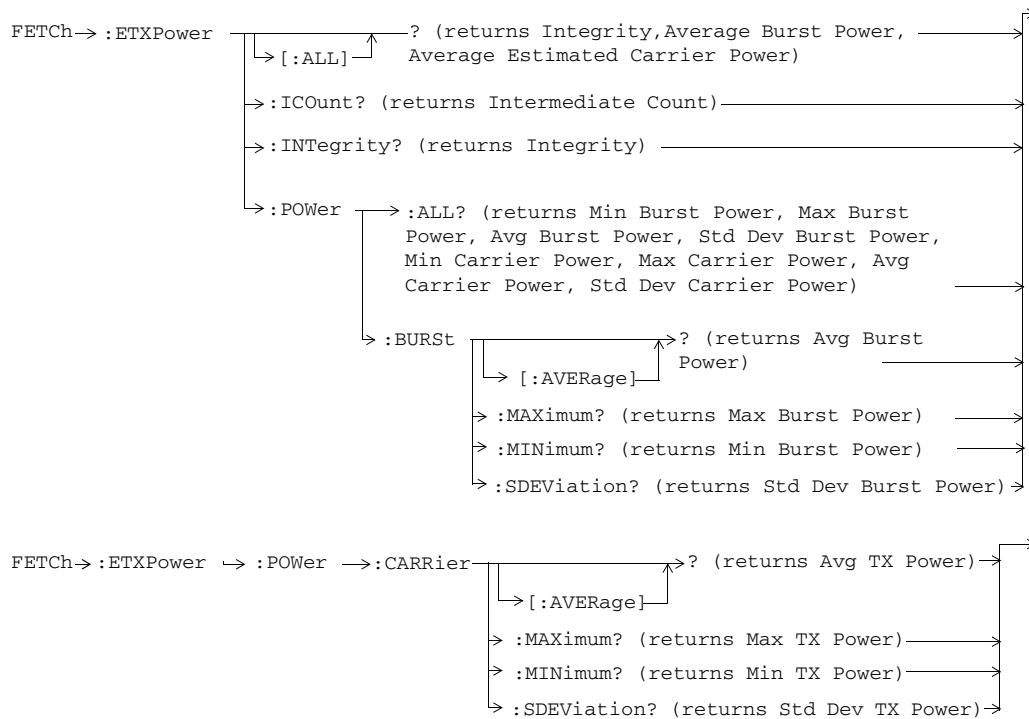
These commands are only applicable to EGPRS.

GPIO Syntax for E1968A/E6701D/E6704A

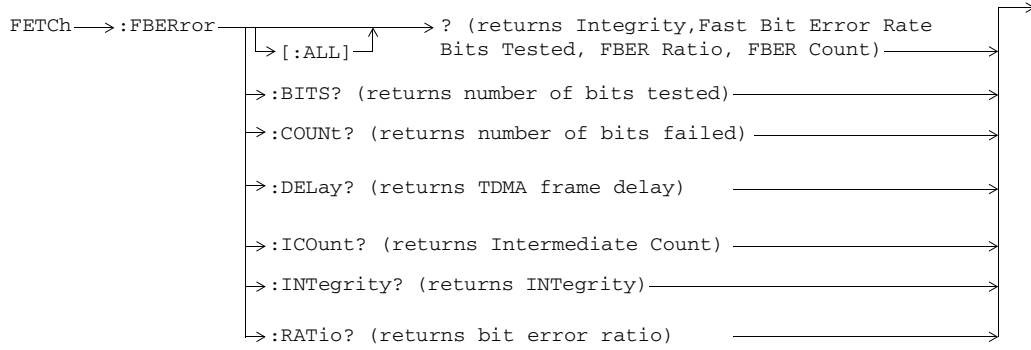


GPiB Syntax for E1968A/E6701D/E6704A

FETCH:ETXPower

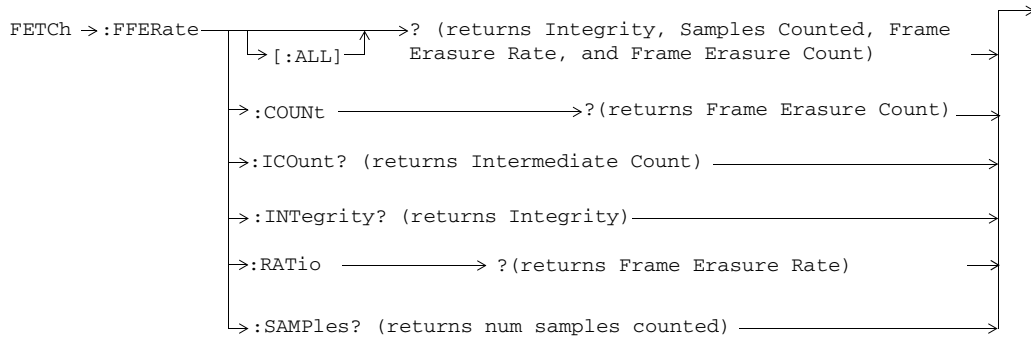


FETCh:FBERror



These commands are not applicable to GPRS.

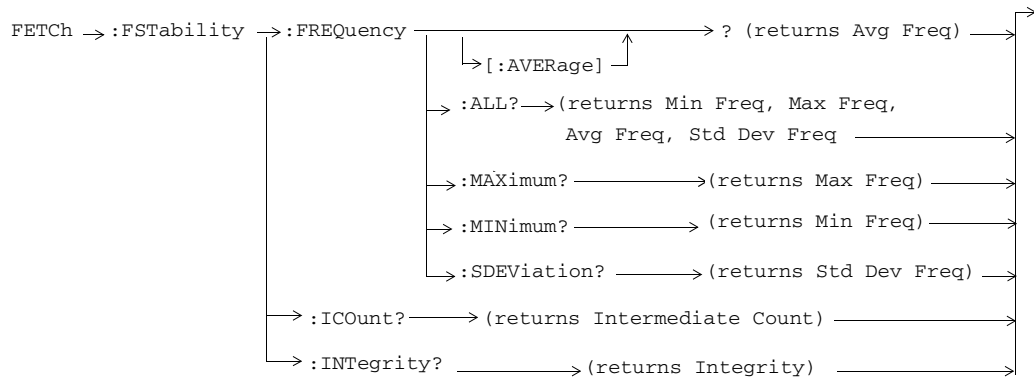
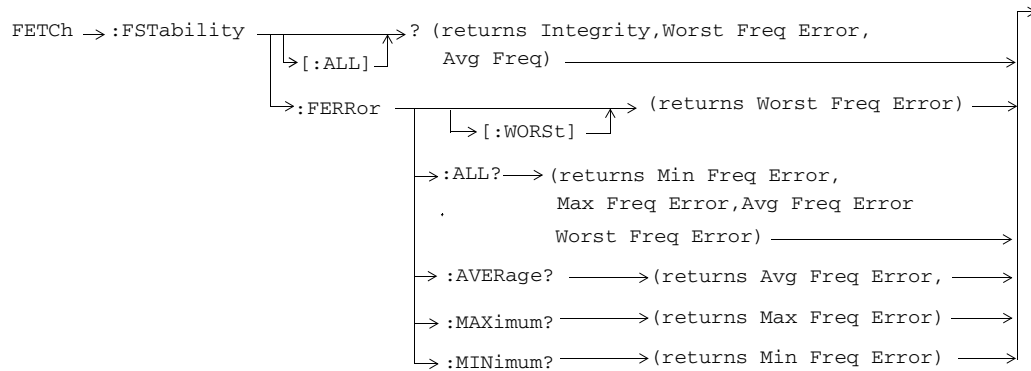
FETCh:FFERate



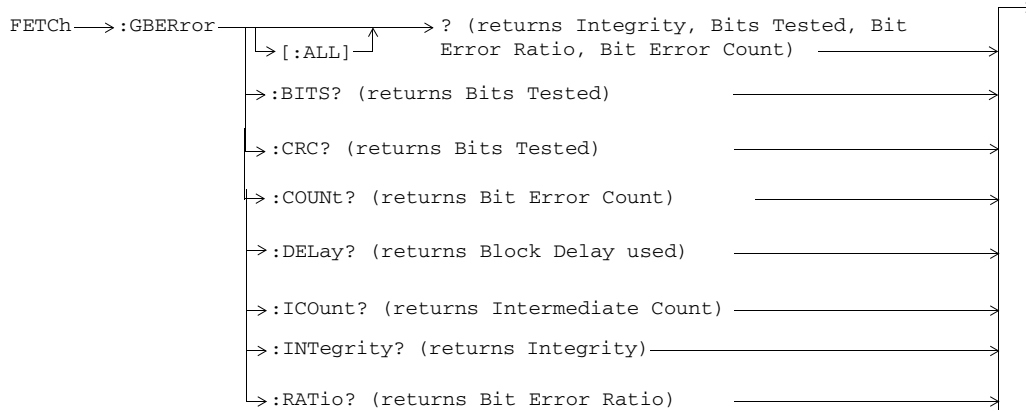
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPiB Syntax for E1968A/E6701D/E6704A

FEtCh:FStability

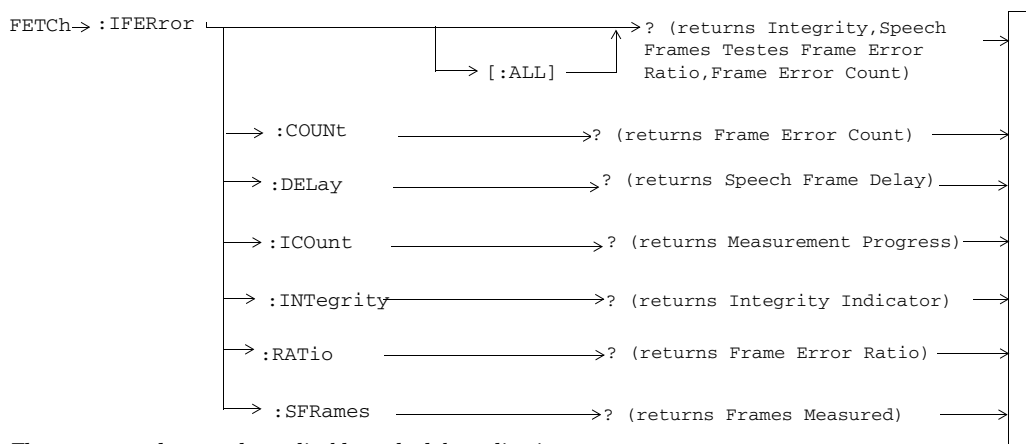


FEtCh:GBERror



These commands are not applicable to GSM.

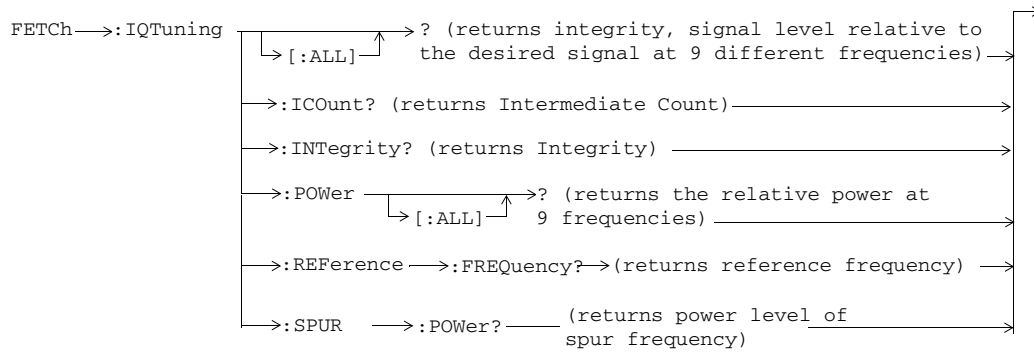
FEtCh:IFERror



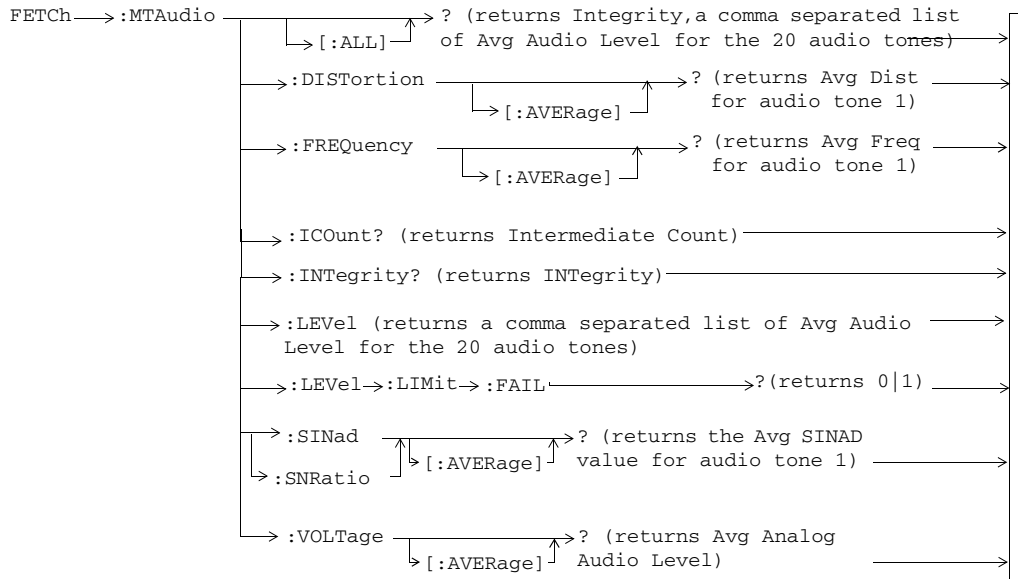
These commands are only applicable to the lab applications.

GPIO Syntax for E1968A/E6701D/E6704A

FEtCh:IQTuning

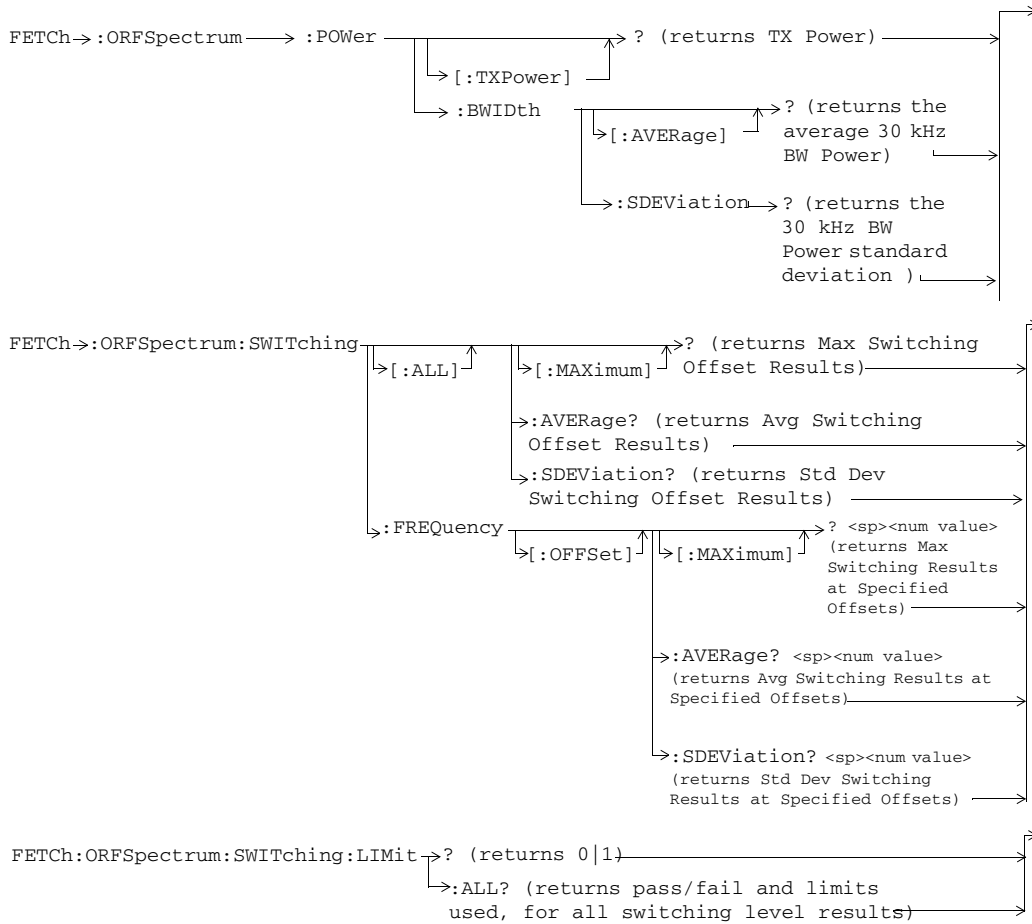


FEtCh:MTAudio



These commands are not applicable to GPRS or EGPRS.

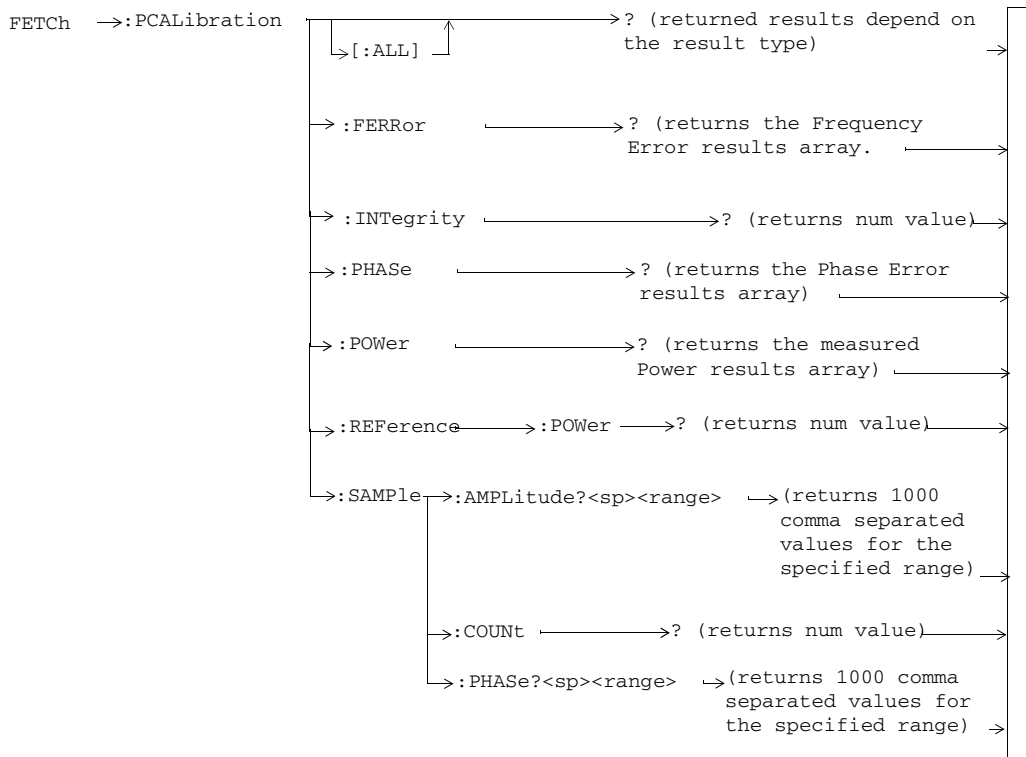
GPIO Syntax for E1968A/E6701D/E6704A



GPiB Syntax for E1968A/E6701D/E6704A

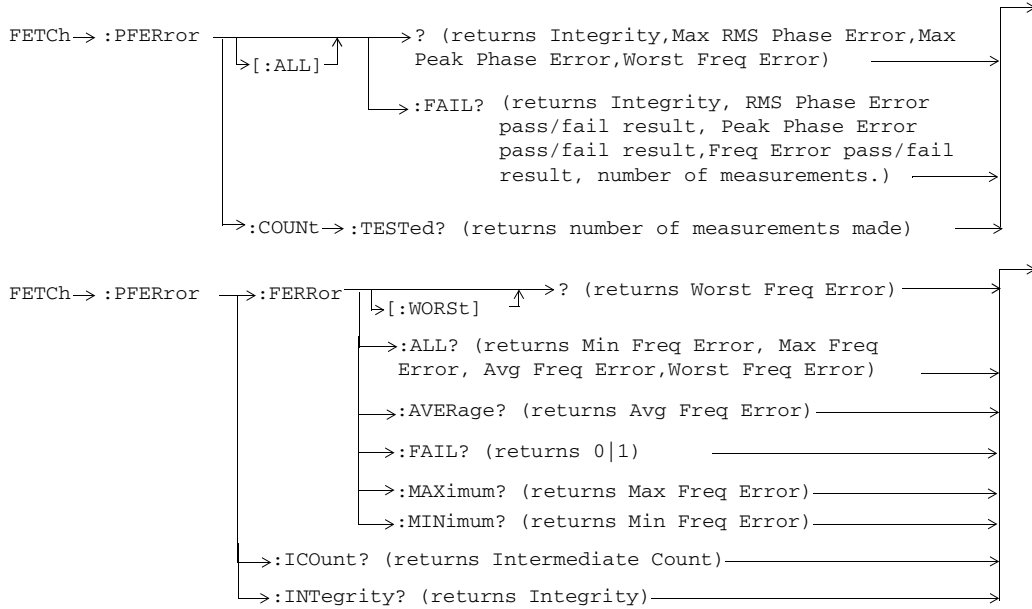
FEtCh:PCALibration

NOTE: These commands only apply to the lab applications and test applications with the required feature license.

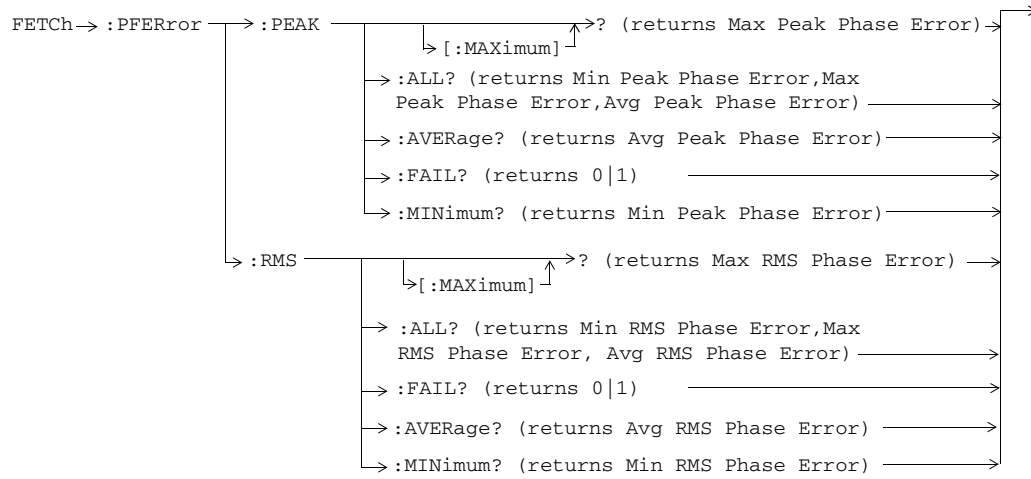


These commands apply to the lab applications and test applications with the required feature license.

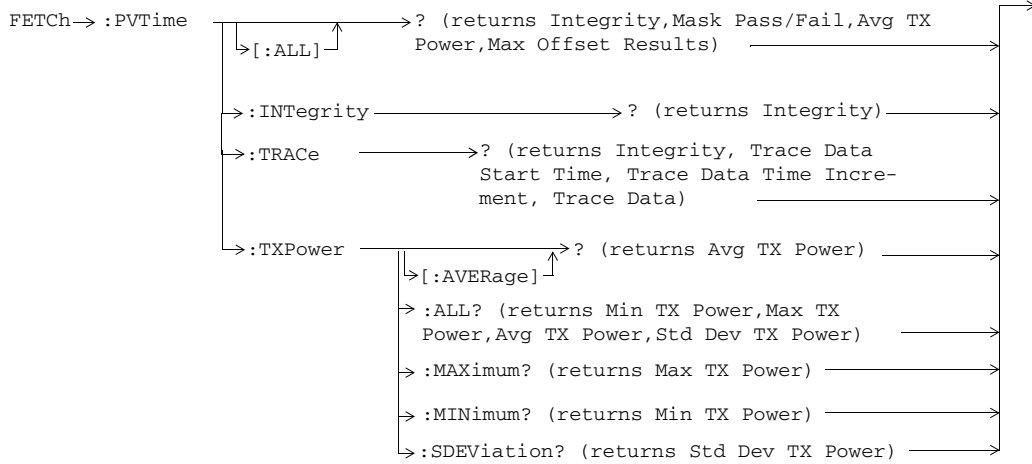
FETCH:PFERror



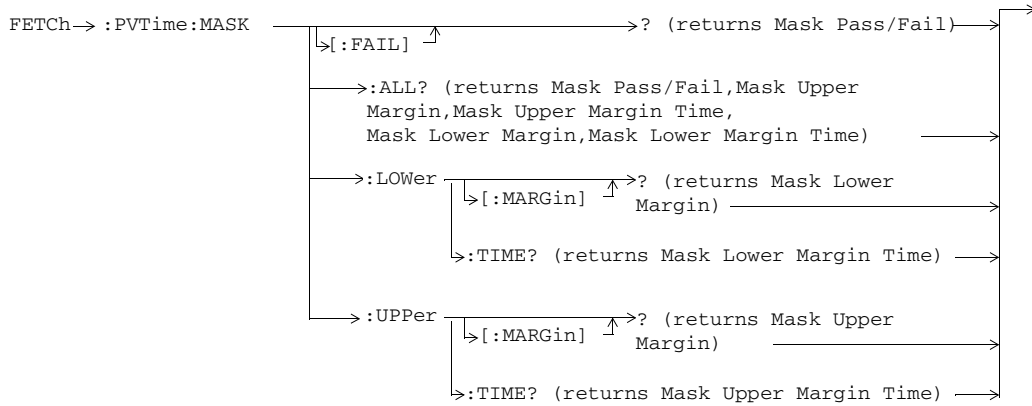
GPIB Syntax for E1968A/E6701D/E6704A



FEtCh:PvTime

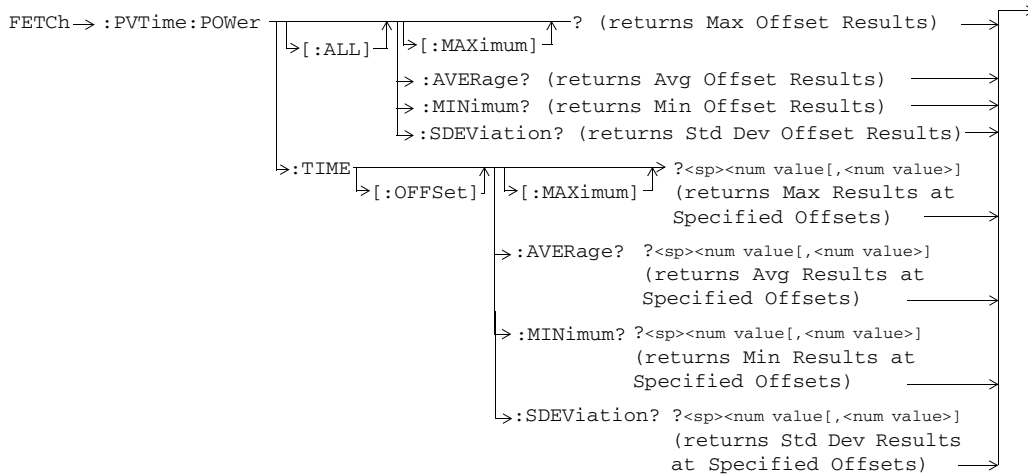


These commands are not applicable to GPRS or EGPRS.

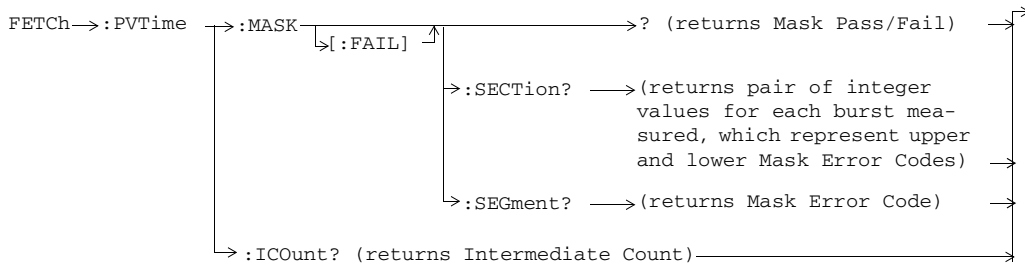


These commands are not applicable to GPRS or EGPRS.

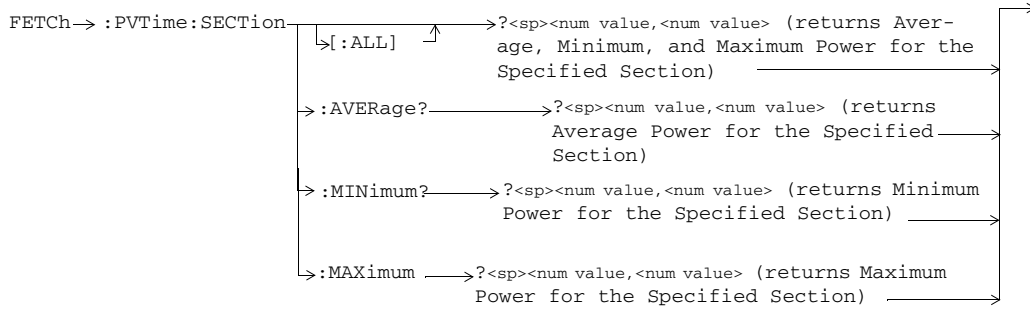
GPiB Syntax for E1968A/E6701D/E6704A



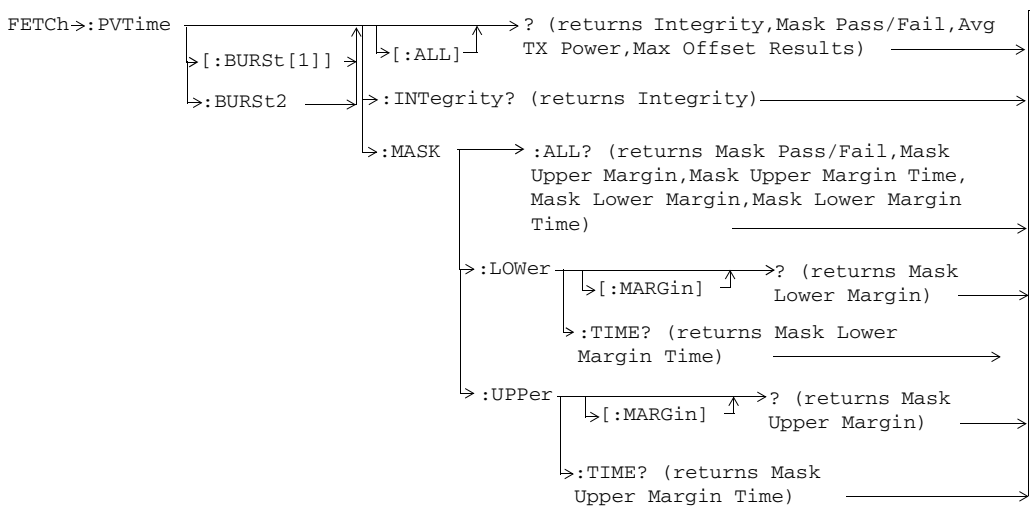
These commands are not applicable to GPRS or EGPRS.



GPiB Syntax for E1968A/E6701D/E6704A

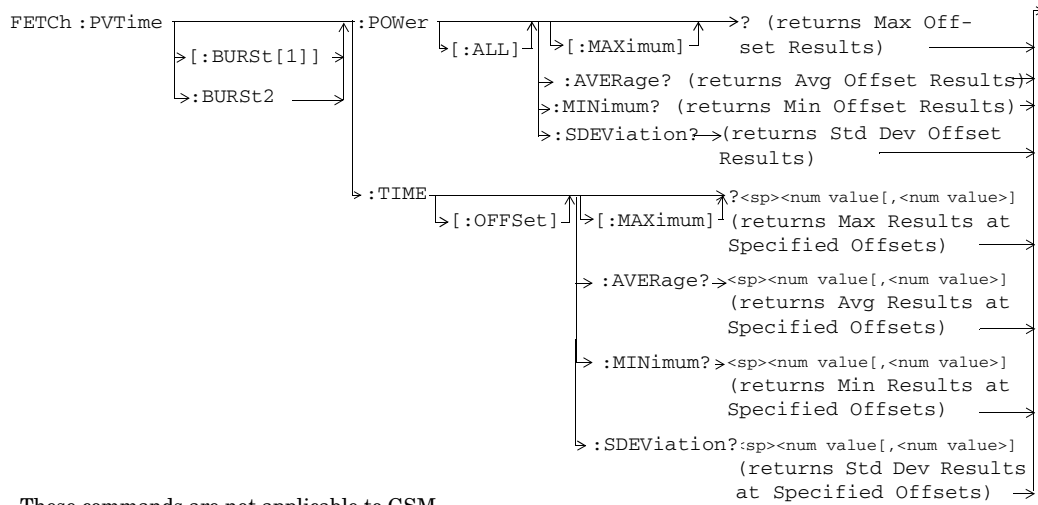


These commands are not applicable to GPRS or EGPRS.

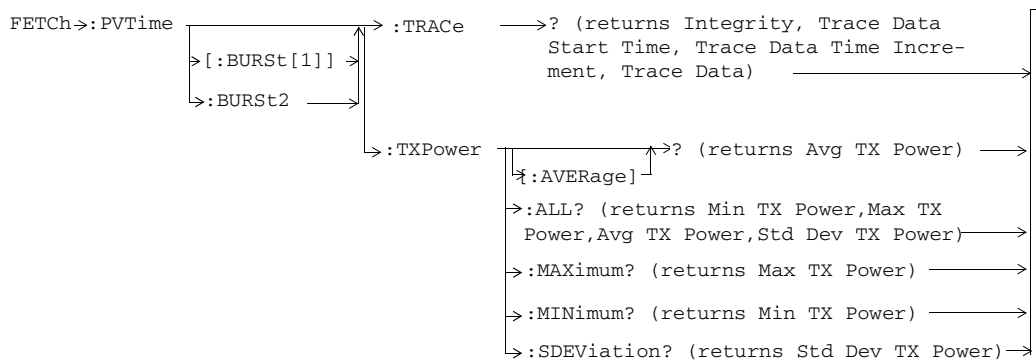


These commands are not applicable to GSM.

GPIO Syntax for E1968A/E6701D/E6704A

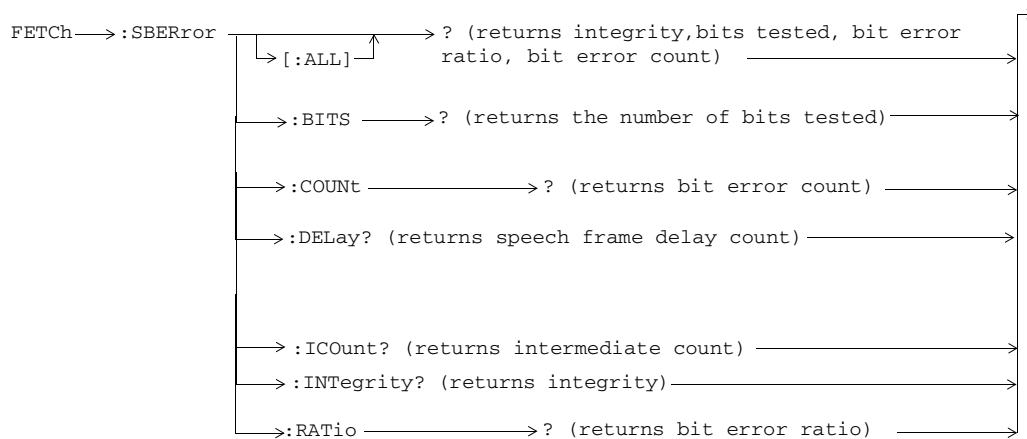


These commands are not applicable to GSM.



These commands are not applicable to GSM.

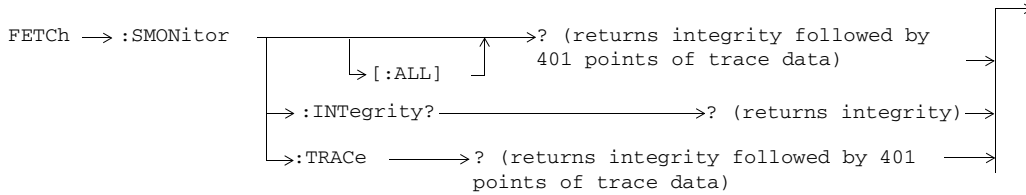
FEtCh:SBERror



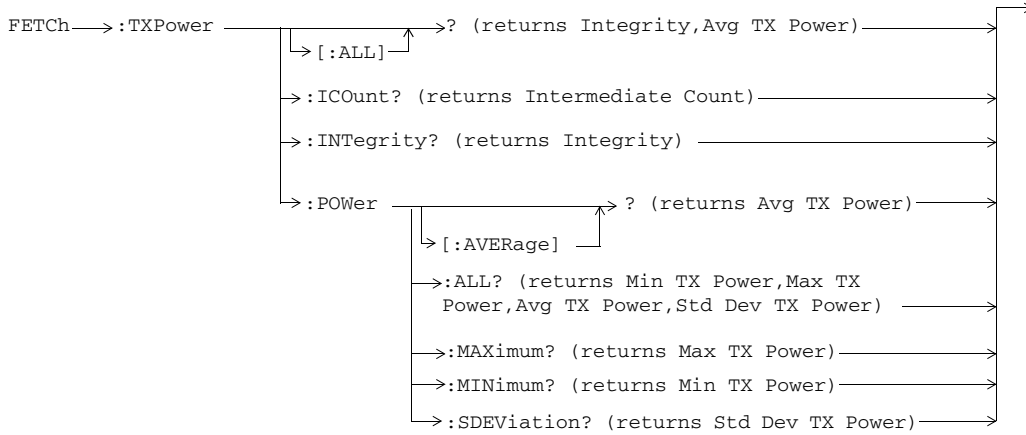
These commands are only applicable to EGPRS.

GPIO Syntax for E1968A/E6701D/E6704A

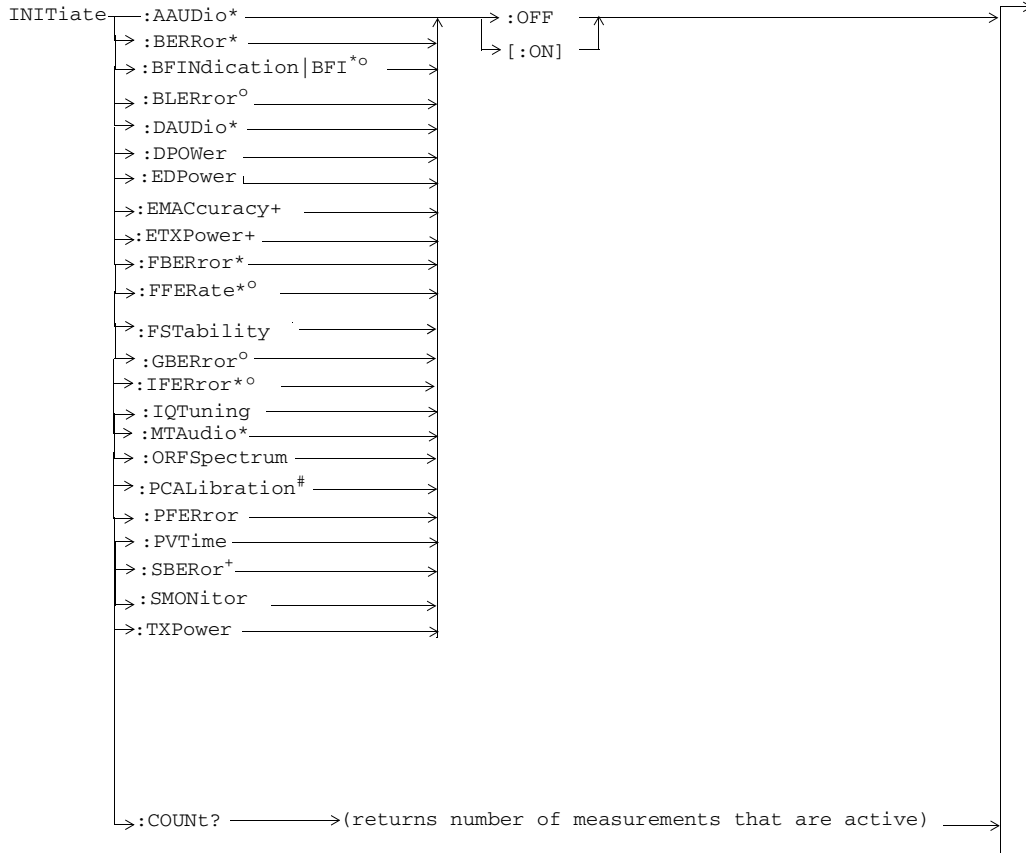
FETCH:SMONitor



FETCH:TXPower



INITiate



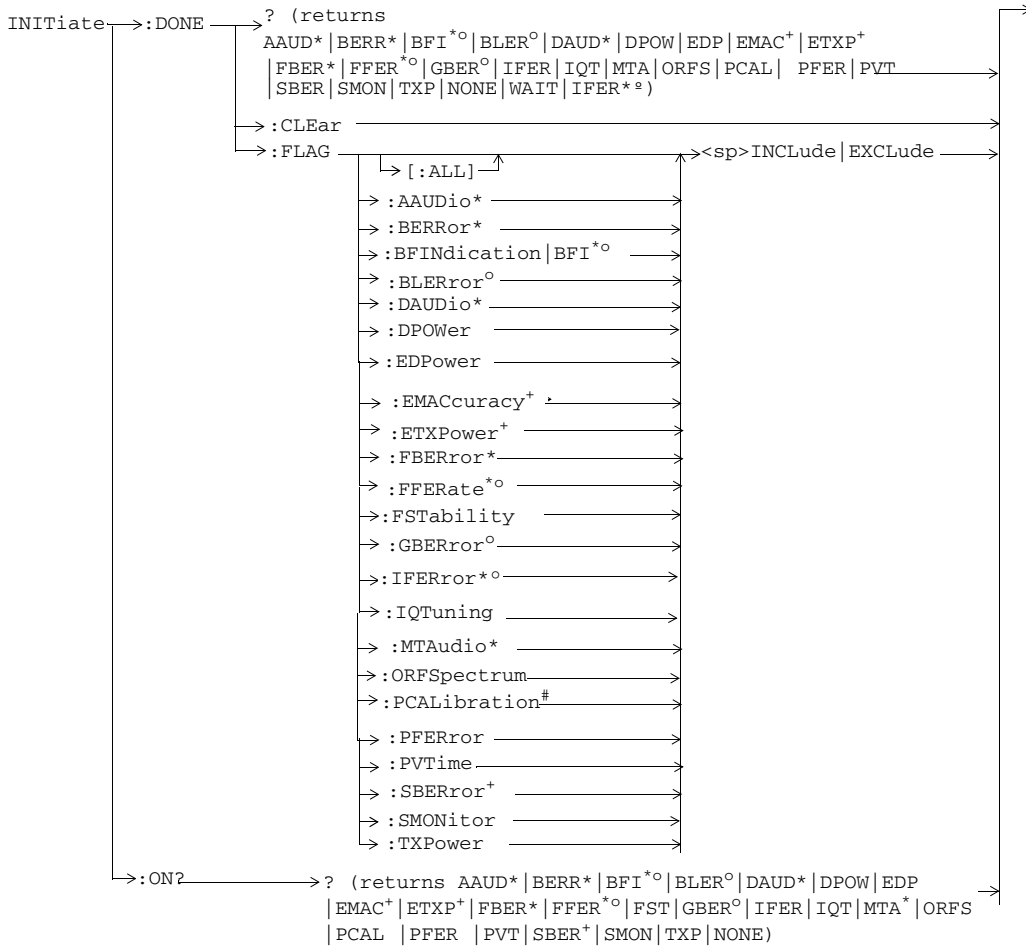
* Not applicable to the GPRS test application

^o Not applicable to the GSM test application

⁺ Only applicable to EGPRS

[#] This command is only applicable to the GSM/GPRS/EGPRS lab applications and test applications with the required feature license.

GPIO Syntax for E1968A/E6701D/E6704A



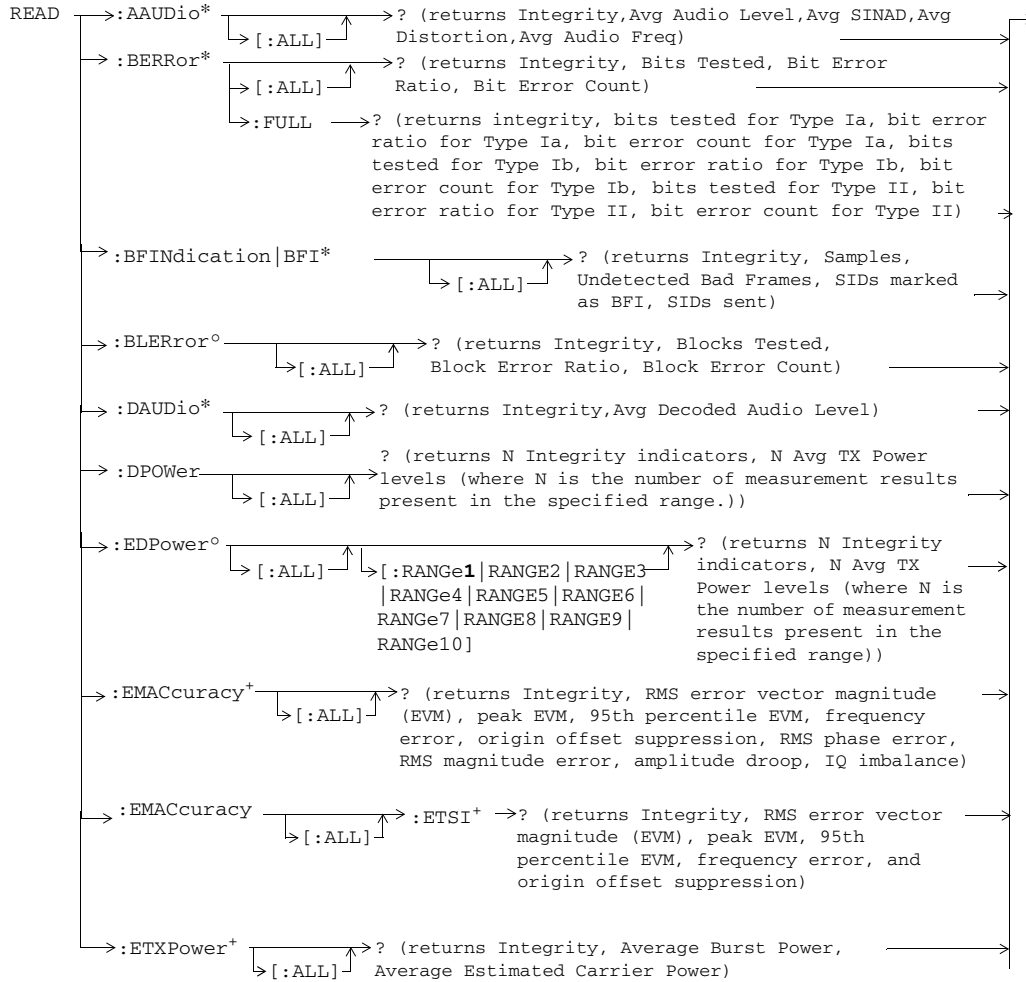
* Not applicable to the GPRS test application

° Not applicable to the GSM test application

+ Only applicable to EGPRS

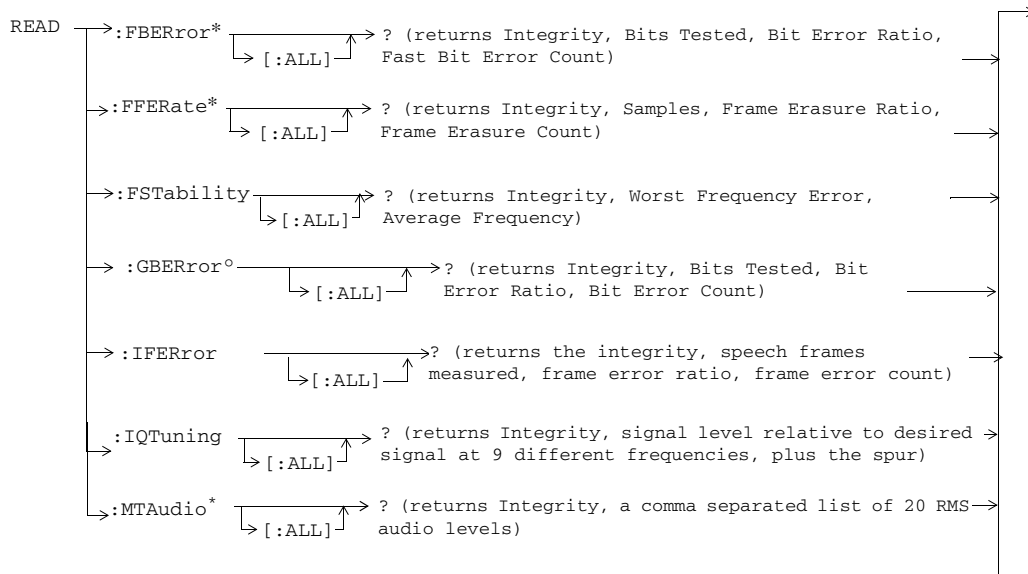
This command is only applicable to the GSM/GPRS/EGPRS test applications with the required feature license

READ



* These commands are not applicable to GPRS.
 ° These commands are not applicable to GSM.
 + These command is only applicable to EGPRS.

GPIO Syntax for E1968A/E6701D/E6704A

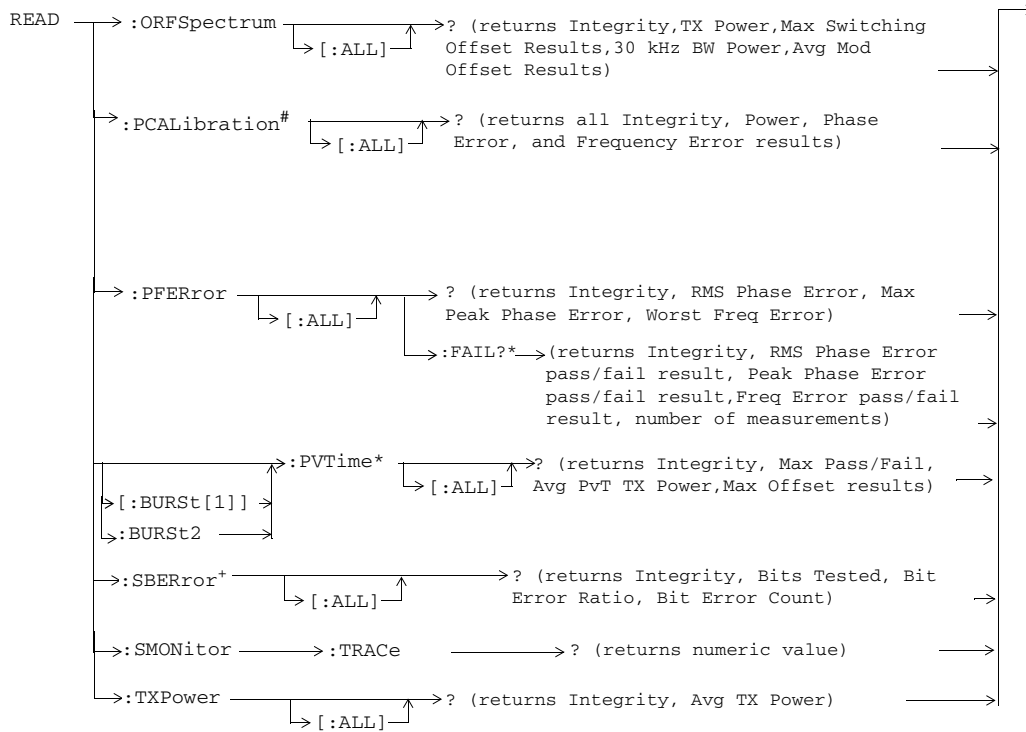


* These commands are not applicable to GPRS.

° These commands are not applicable to GSM.

+ These command is only applicable to EGPRS.

GPIB Syntax for E1968A/E6701D/E6704A



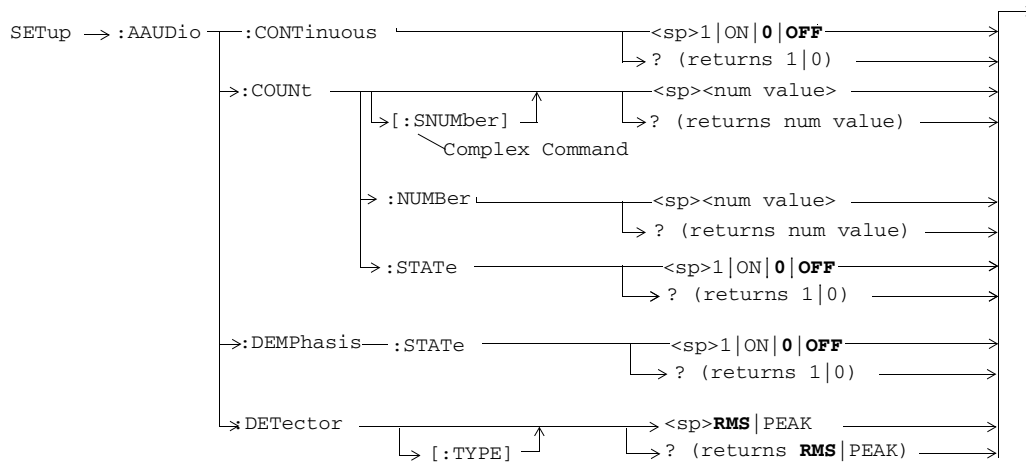
* These commands are not applicable to GSM.

+ These command is only applicable to EGPRS.

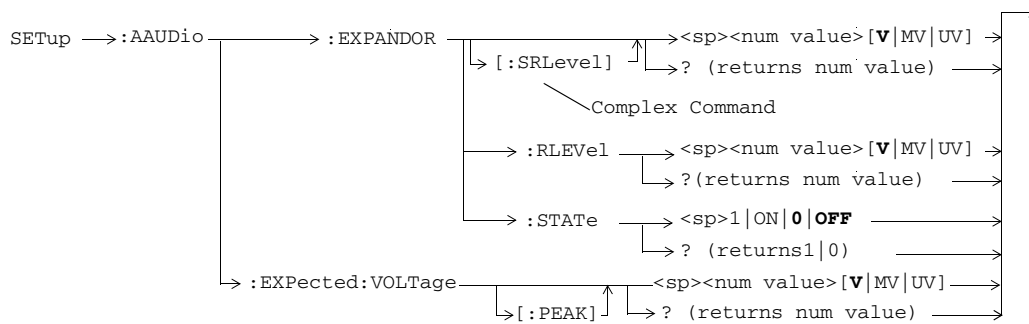
This command is only applicable to the GSM/GPRS/EGPRS lab applications and test applications with the required feature license

GPIO Syntax for E1968A/E6701D/E6704A

SETup:AAudio

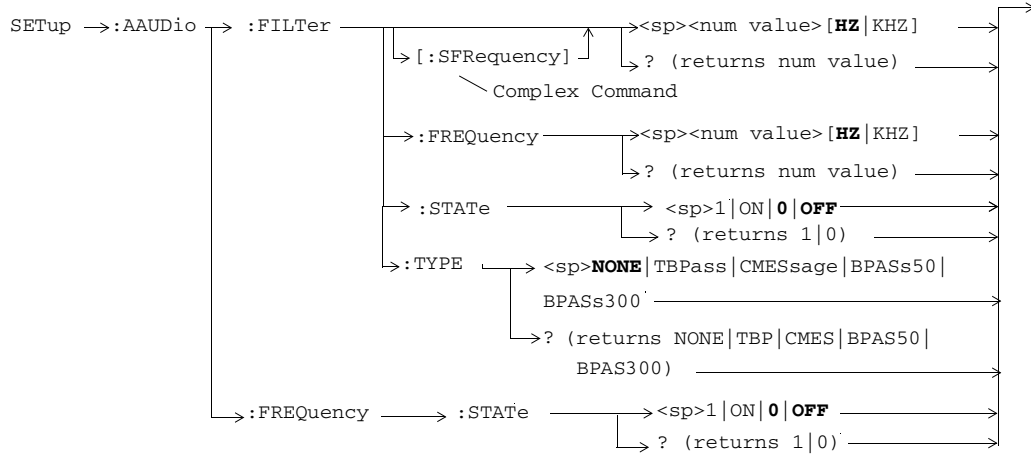


These commands are not applicable to GPRS.

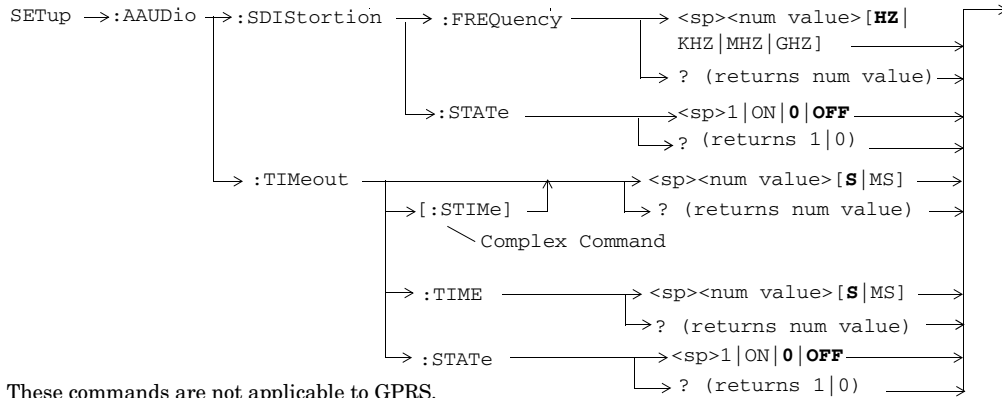


These commands are not applicable to GPRS.

GPIO Syntax for E1968A/E6701D/E6704A



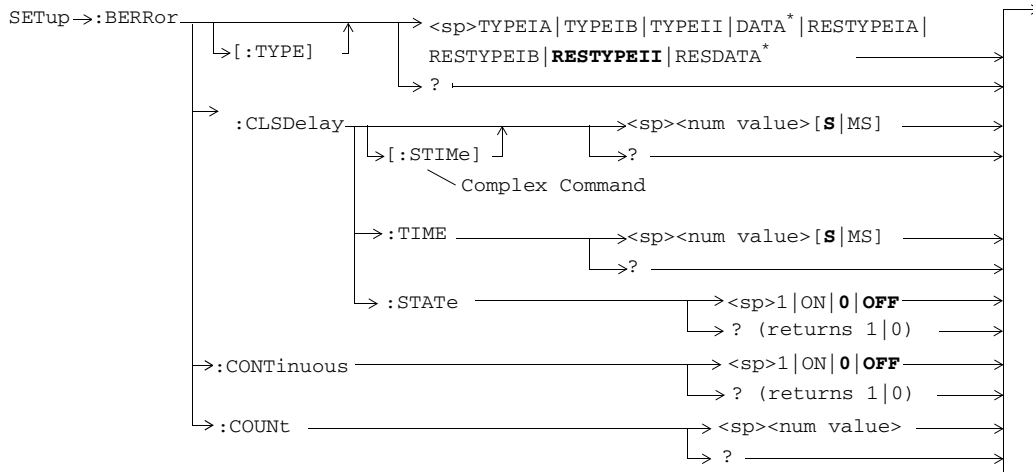
These commands are not applicable to GPRS.



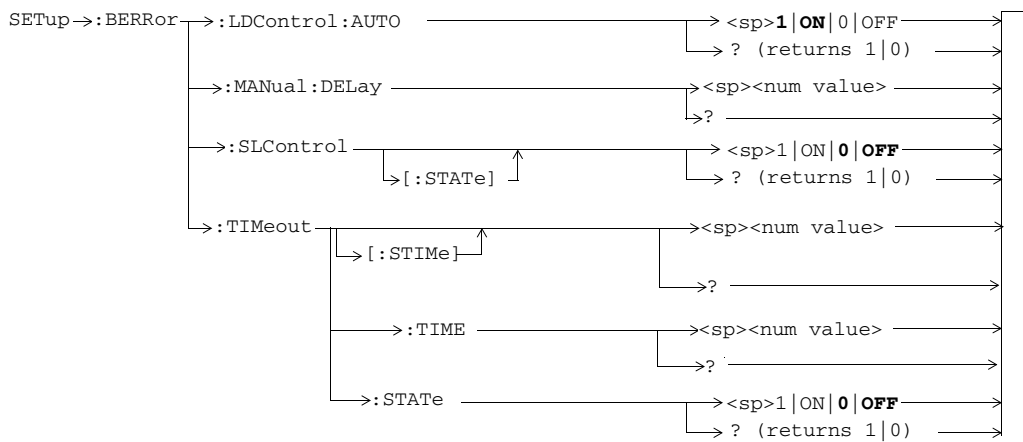
These commands are not applicable to GPRS.

GPiB Syntax for E1968A/E6701D/E6704A

SETup:BERRor

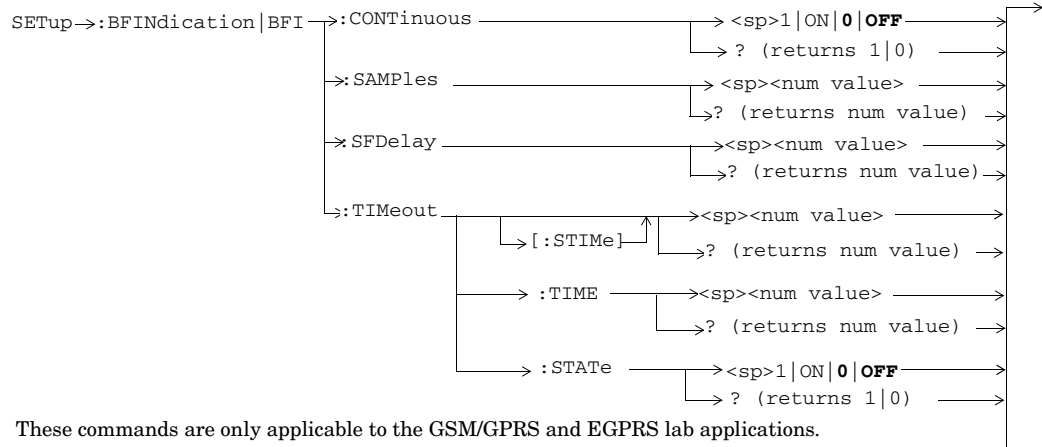


These commands are not applicable to GPRS.
 *These commands are only applicable to the lab applications.



These commands are not applicable to GPRS.

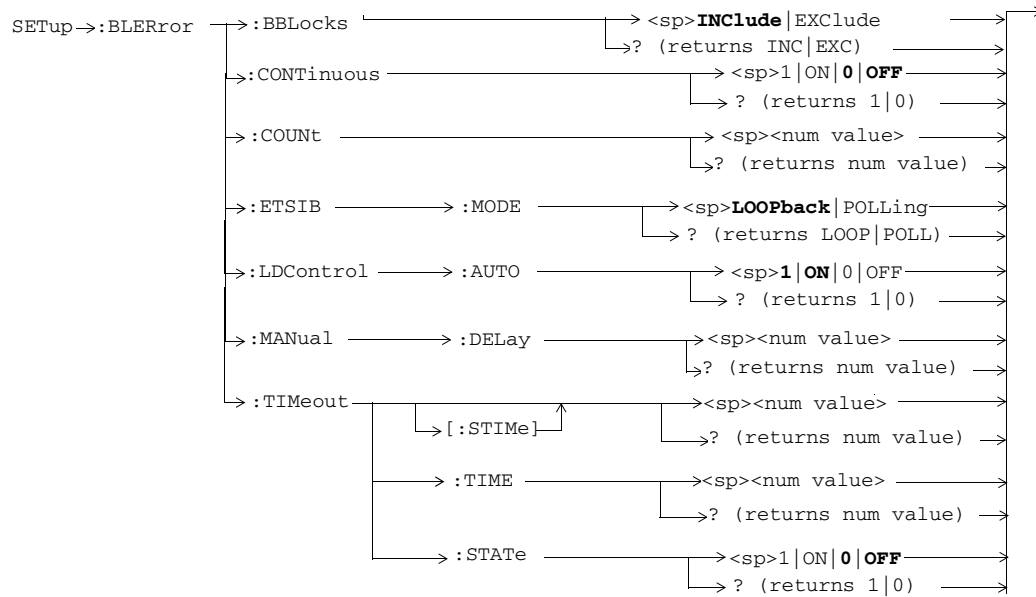
SETup:<BFINDication|BFI>



These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

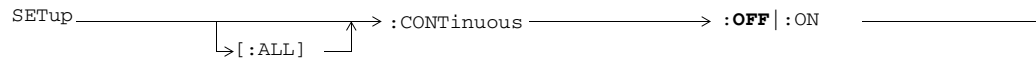
GPiB Syntax for E1968A/E6701D/E6704A

SETup:BLERror

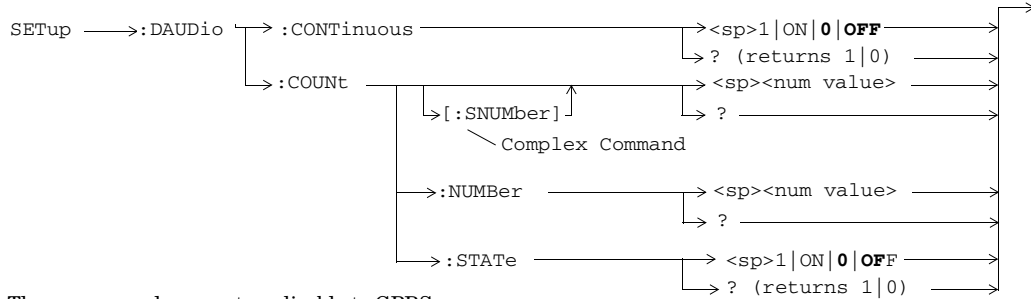


These commands are not applicable to GSM.

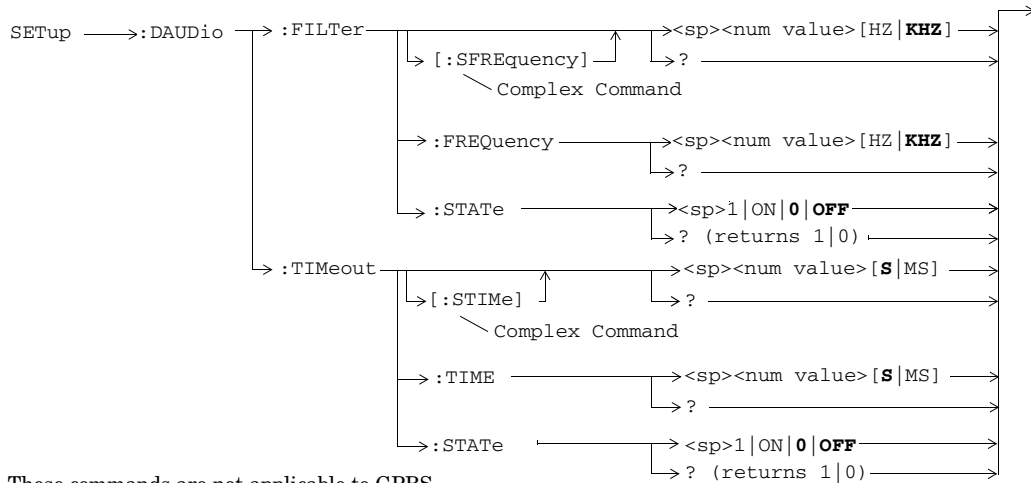
SETup:CONTinuous



SETup:DAUDio



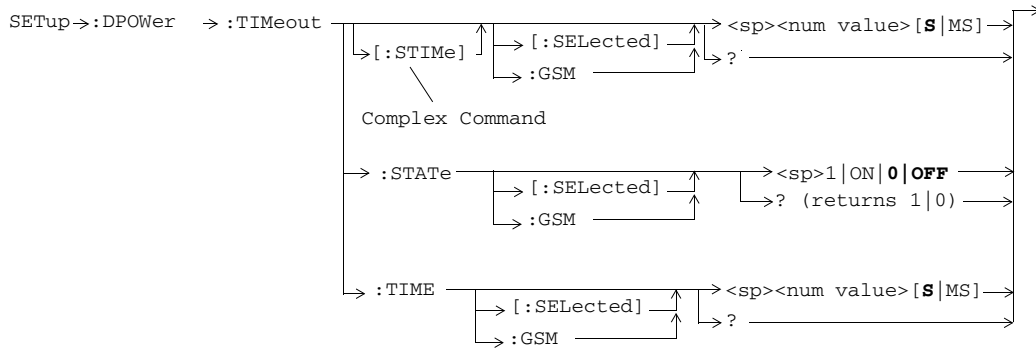
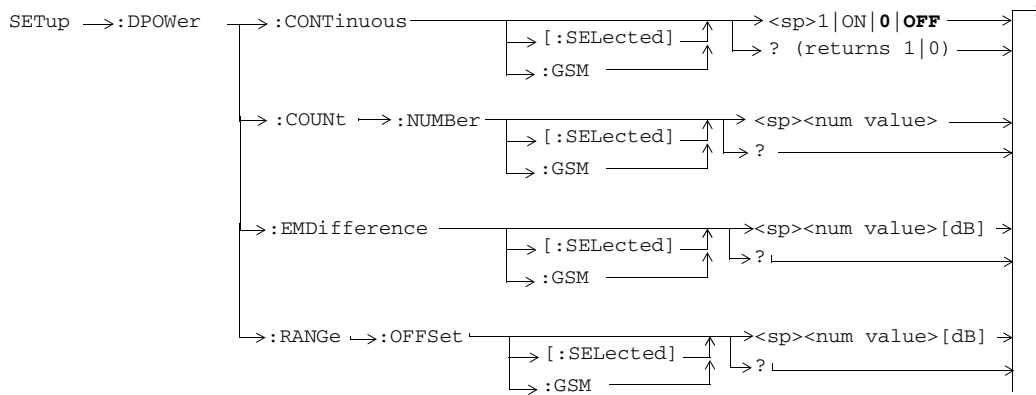
These commands are not applicable to GPRS.



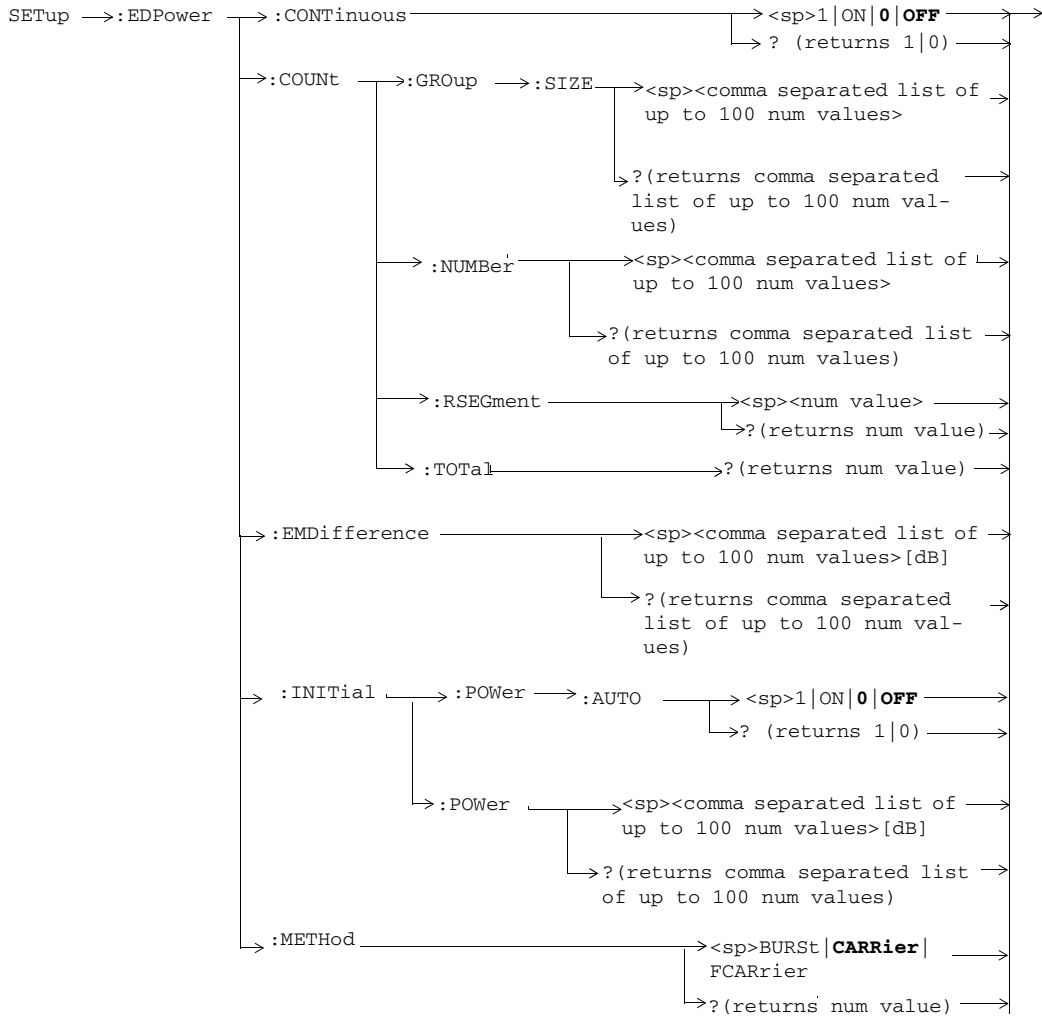
These commands are not applicable to GPRS.

GPIO Syntax for E1968A/E6701D/E6704A

SETup:DPOWER

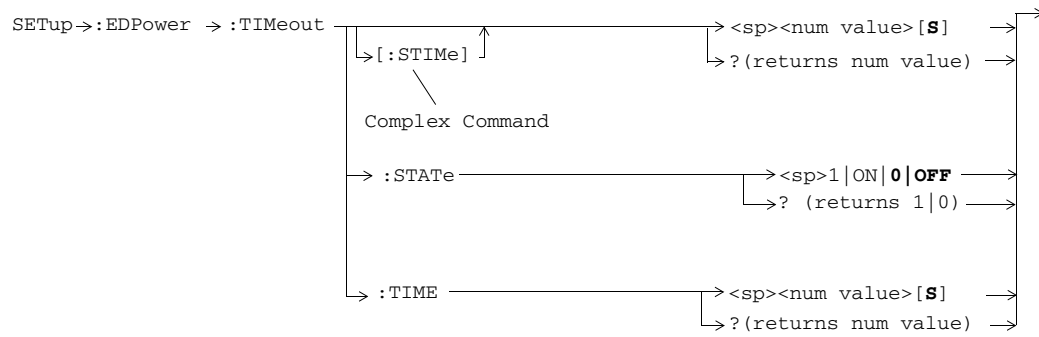


SETup:EDPower



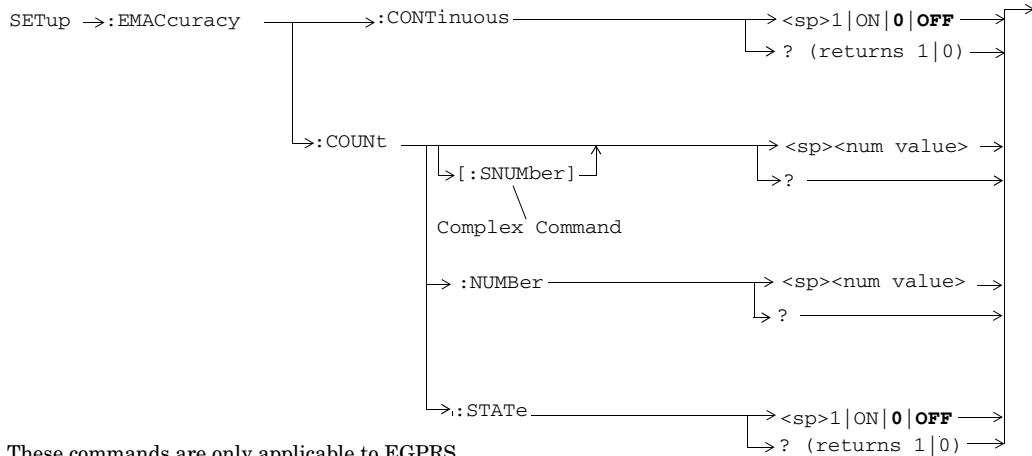
These commands are only applicable to EGPRS.

GPIO Syntax for E1968A/E6701D/E6704A

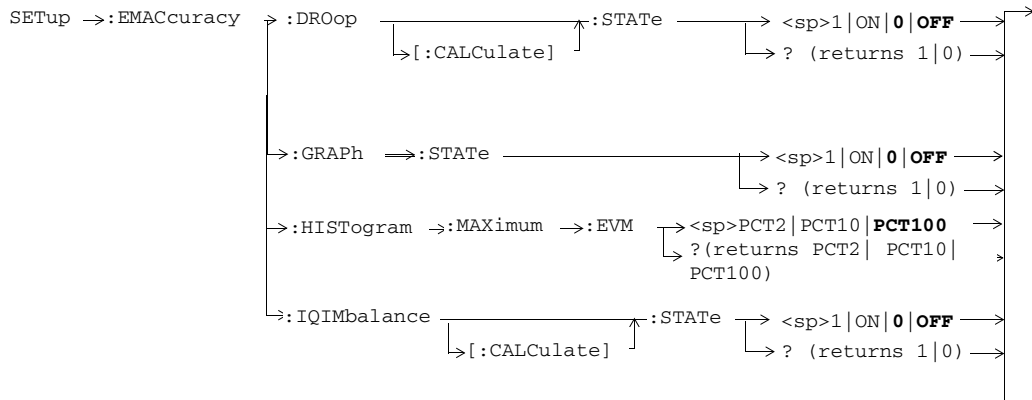


These commands are only applicable to EGPRS.

SETup:EMACcuracy

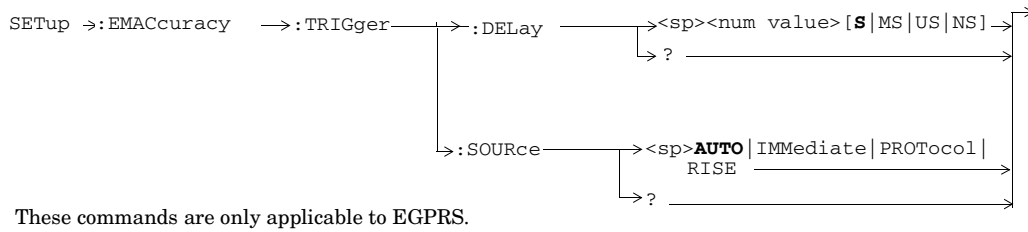
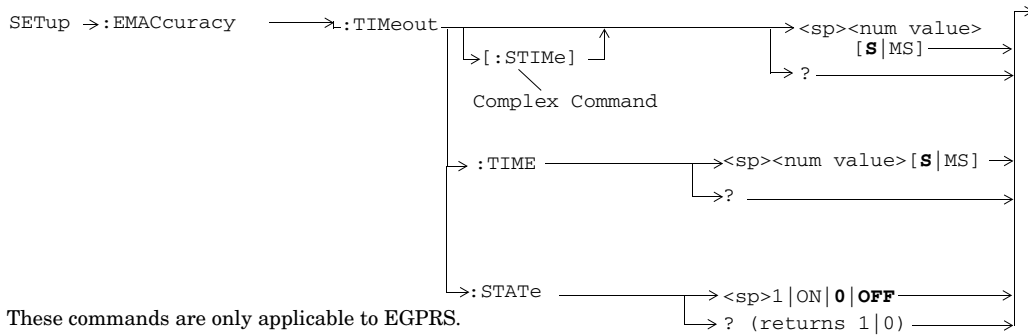


These commands are only applicable to EGPRS.

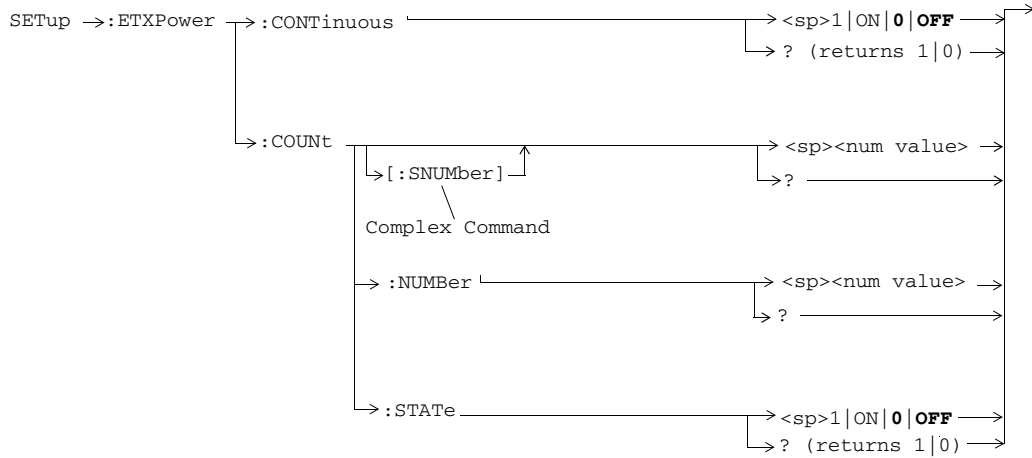


This command is only applicable to EGPRS.

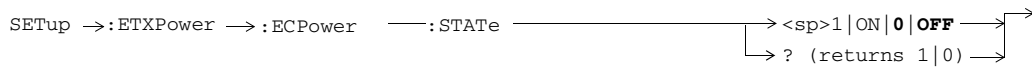
GPiB Syntax for E1968A/E6701D/E6704A



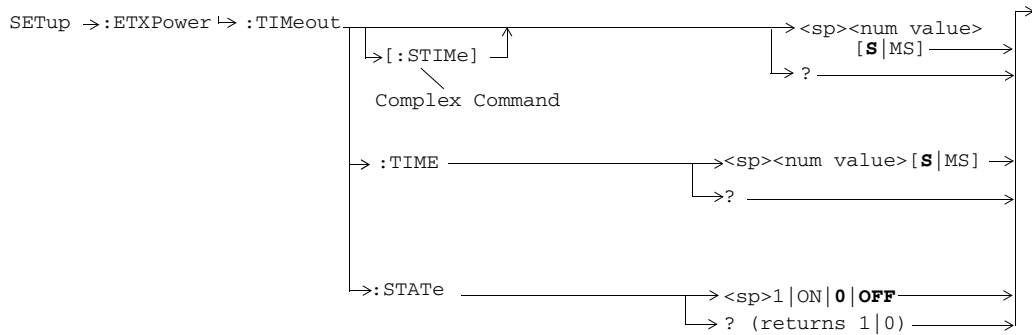
SETup:ETXPower



These commands are only applicable to EGPRS.

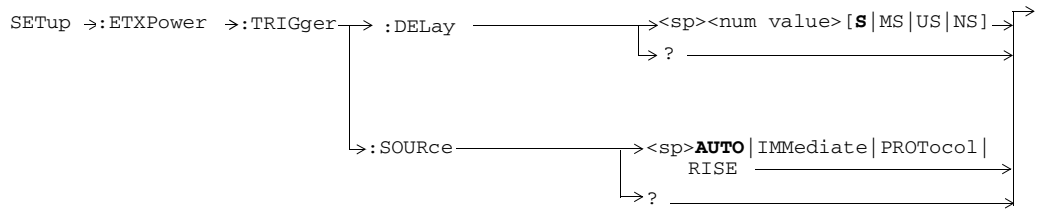


This command is only applicable to EGPRS.



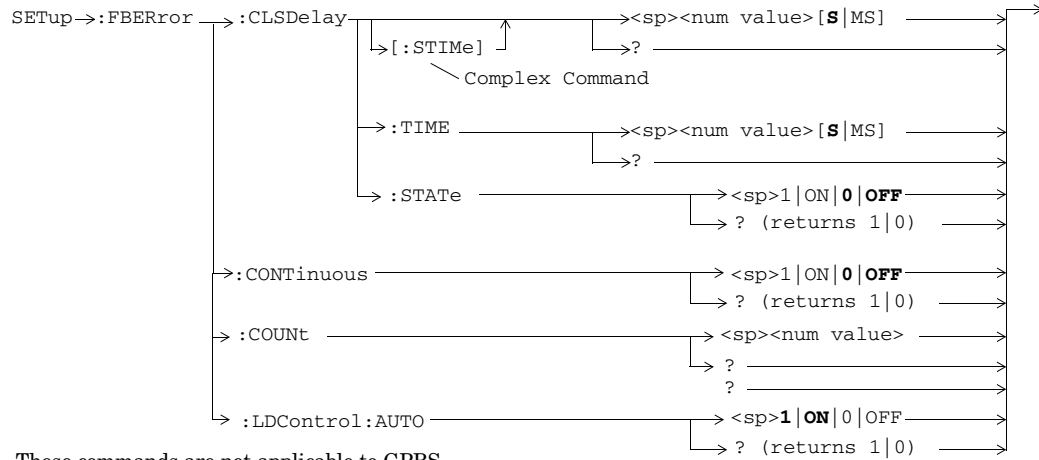
These commands are only applicable to EGPRS.

GPiB Syntax for E1968A/E6701D/E6704A

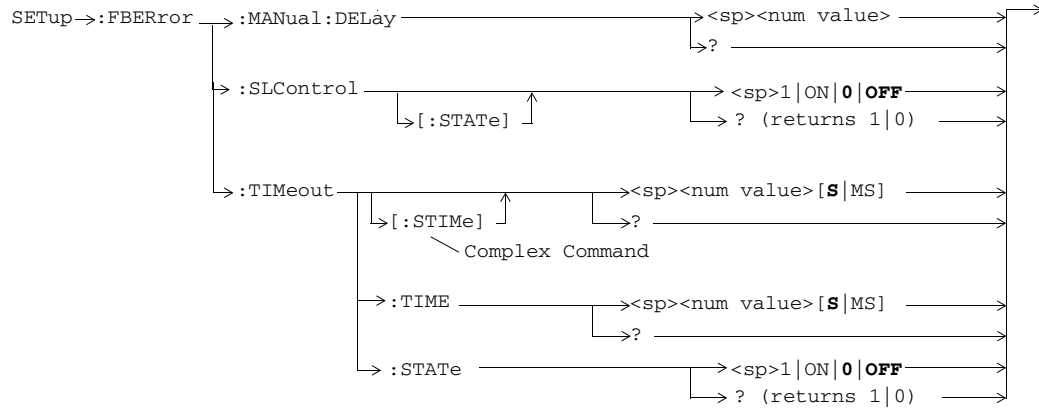


These commands are only applicable to EGPRS.

SETup:FBError



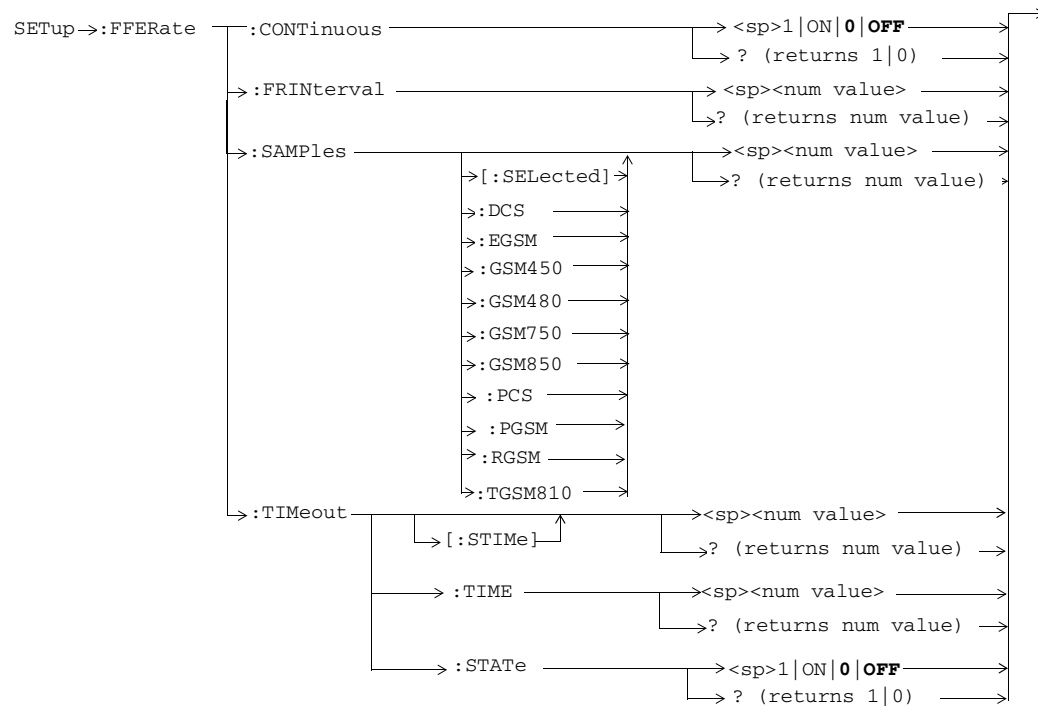
These commands are not applicable to GPRS.



These commands are not applicable to GPRS.

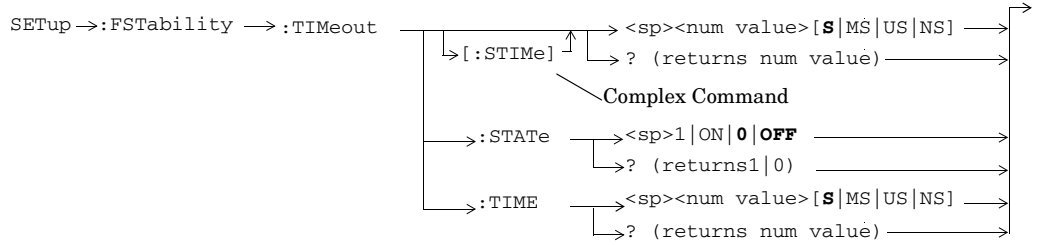
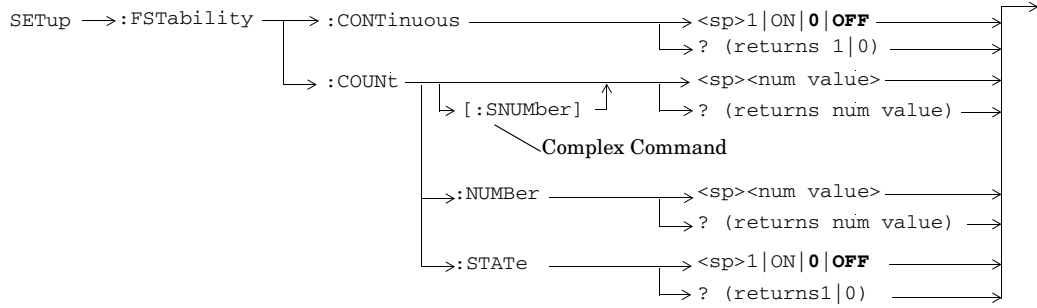
GPIO Syntax for E1968A/E6701D/E6704A

SETup:FFERate



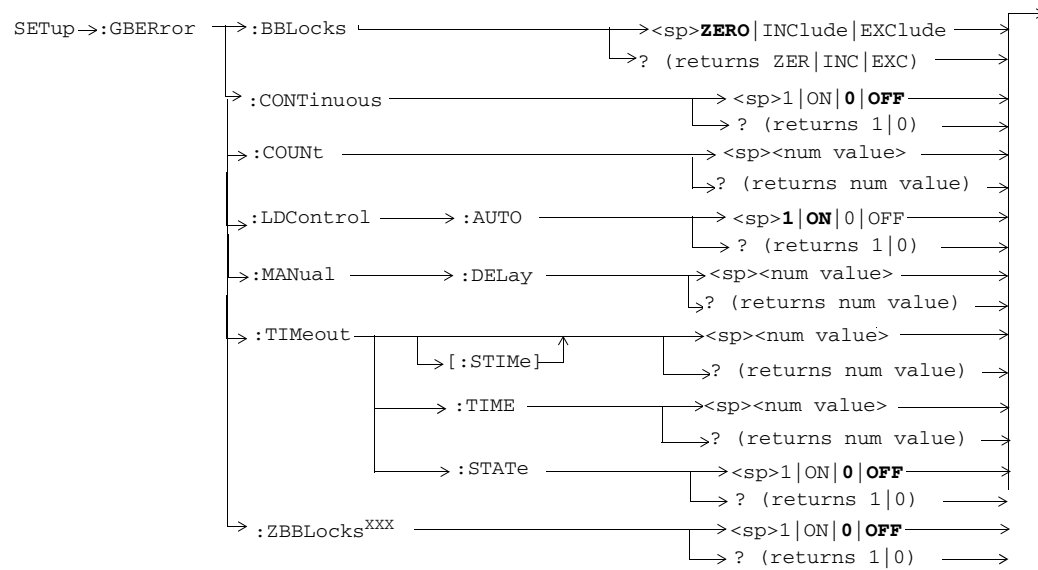
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

SETup:FSTability



GPiB Syntax for E1968A/E6701D/E6704A

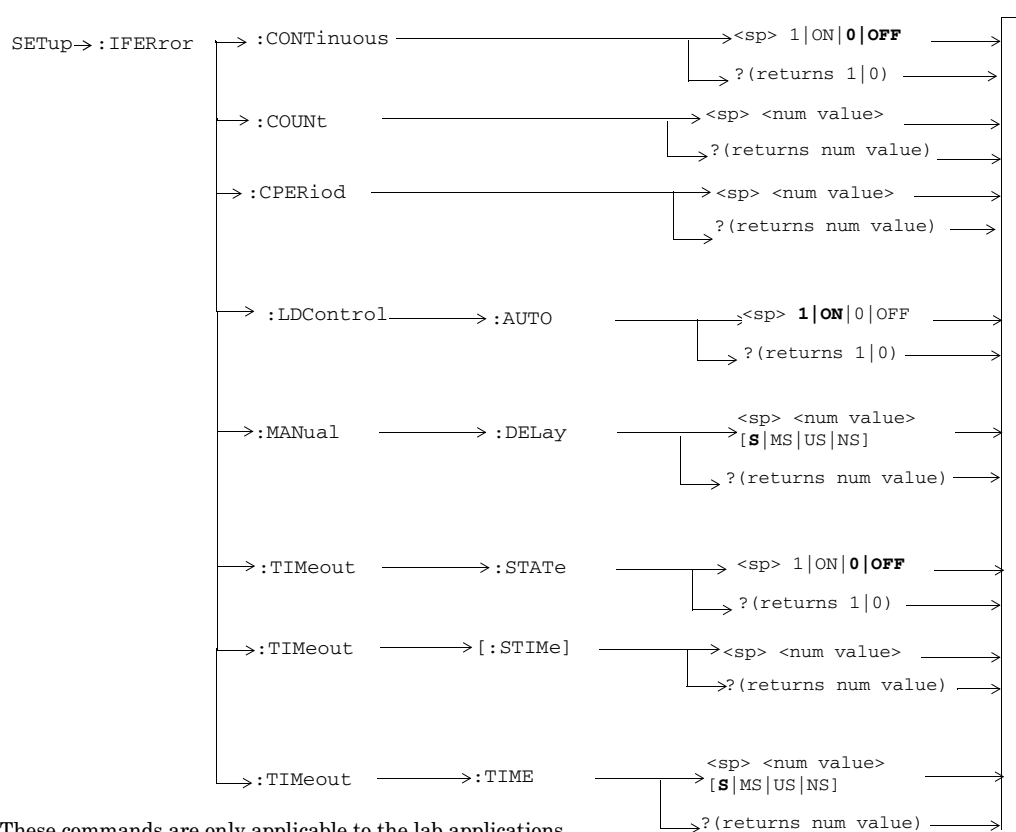
SETup:GBERror



These commands are not applicable to GSM.

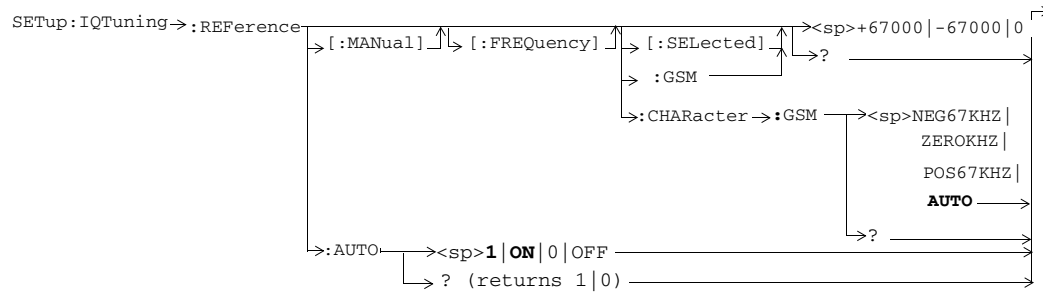
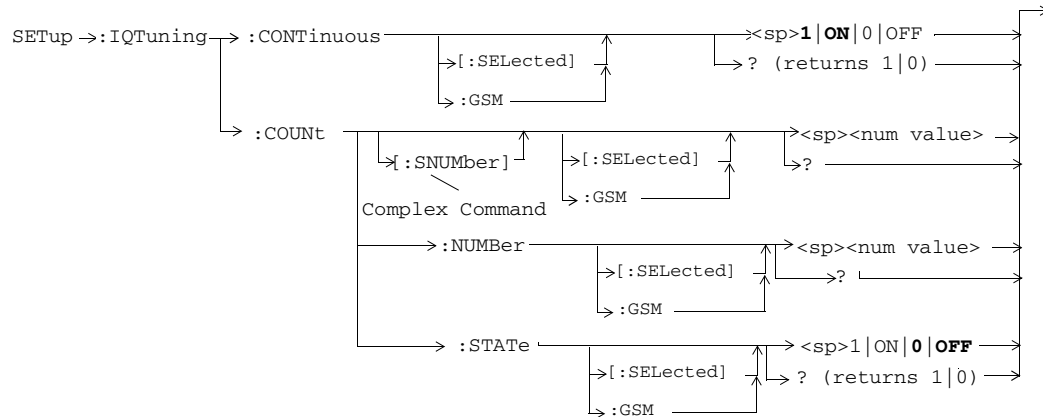
XXX This command is obsolete.

SETup:IFError

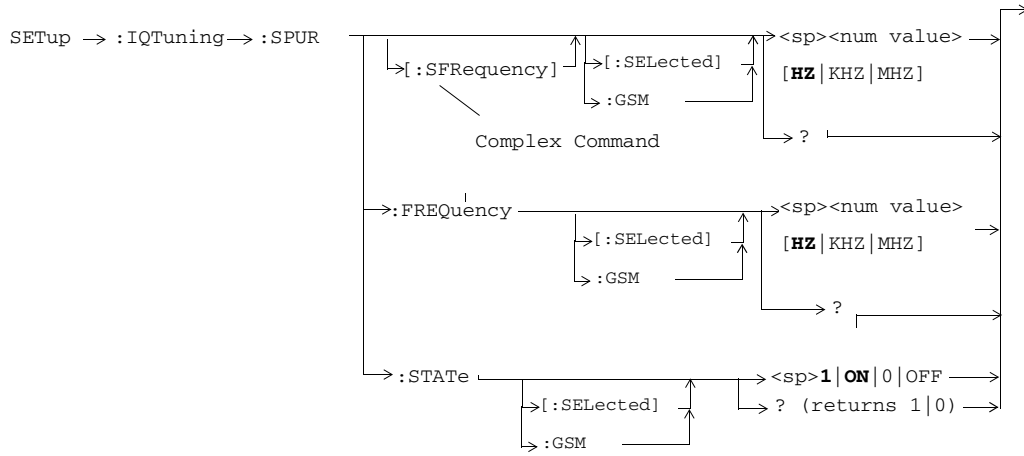


These commands are only applicable to the lab applications.

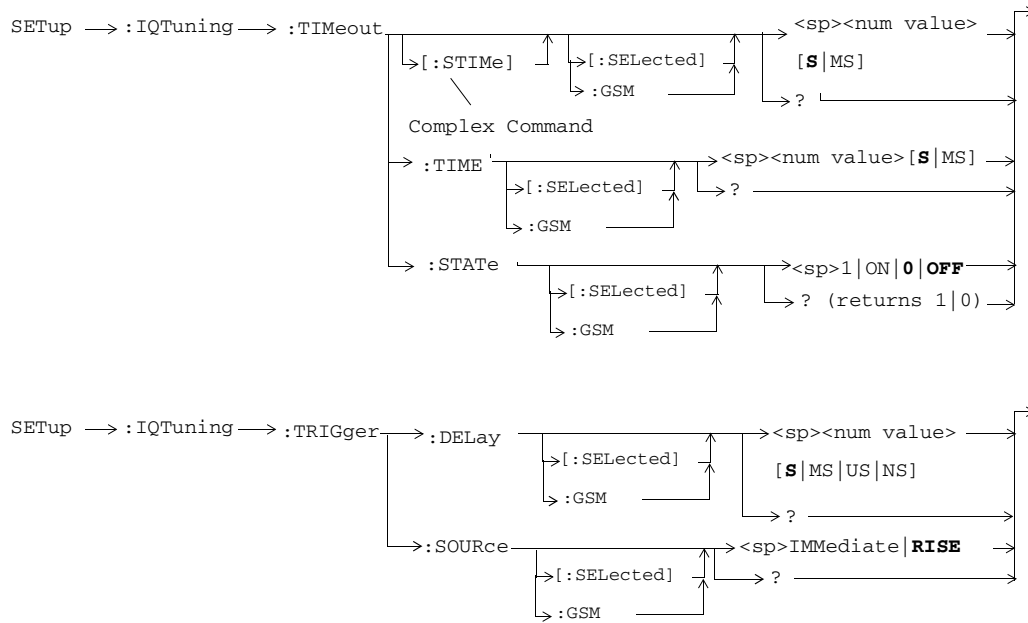
SETup:IQTuning



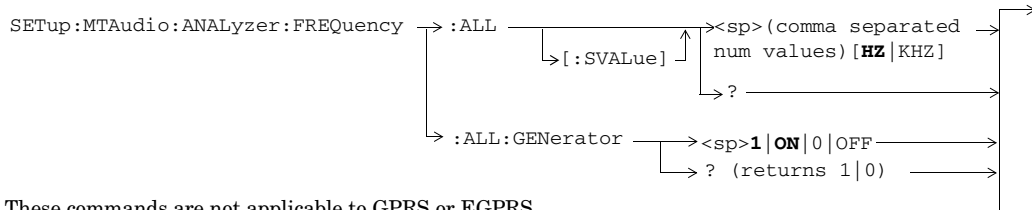
GPIO Syntax for E1968A/E6701D/E6704A



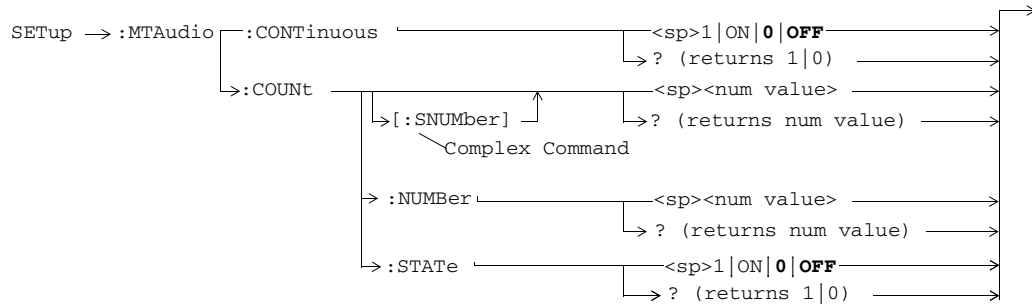
GPIO Syntax for E1968A/E6701D/E6704A



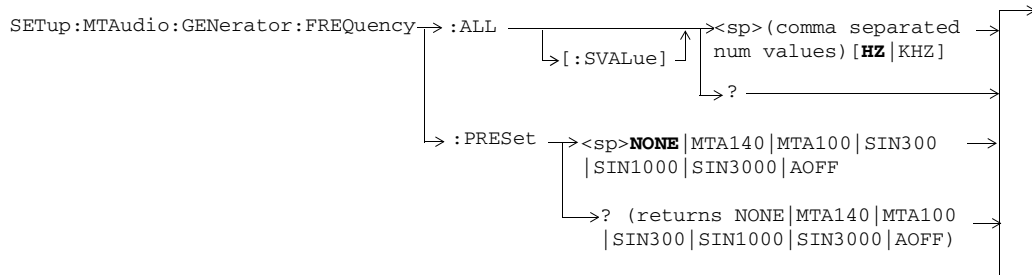
SETup:MTAudio



These commands are not applicable to GPRS or EGPRS.

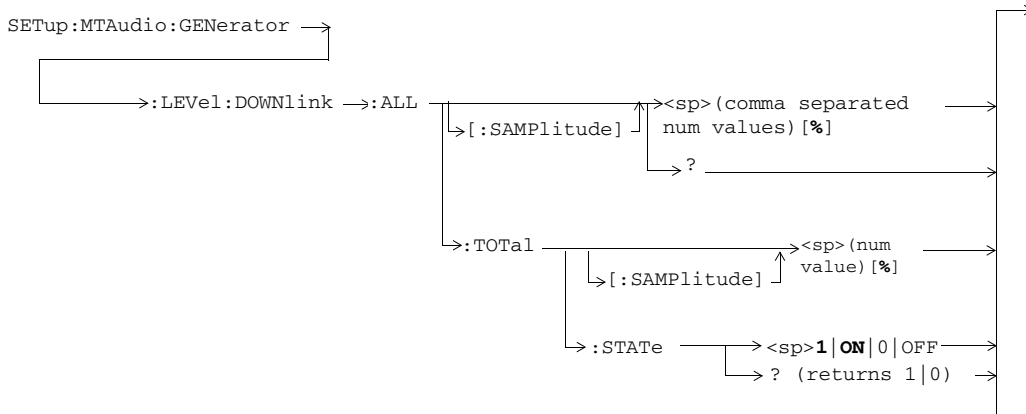


These commands are not applicable to GPRS or EGPRS.

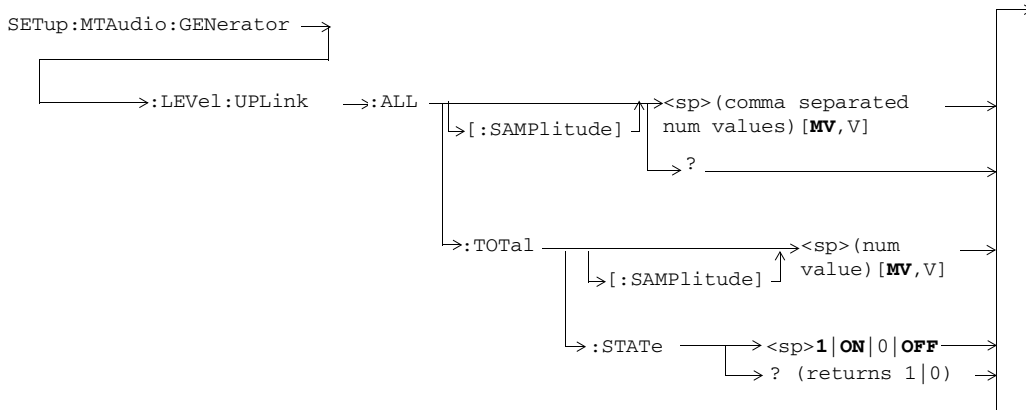


These commands are not applicable to GPRS or EGPRS.

GPIO Syntax for E1968A/E6701D/E6704A

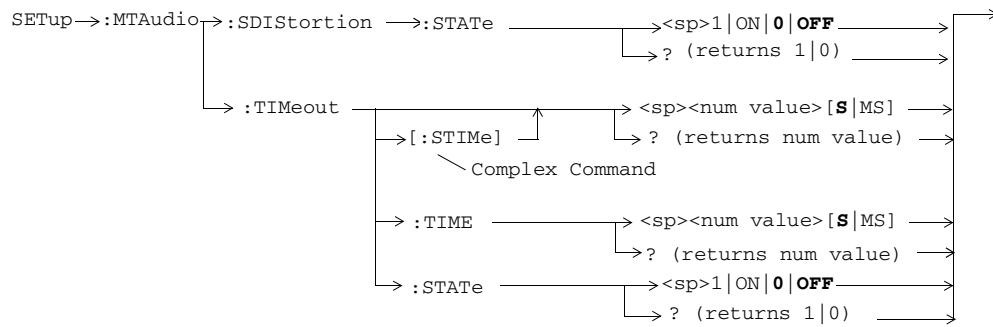


These commands are not applicable to GPRS or EGPRS.



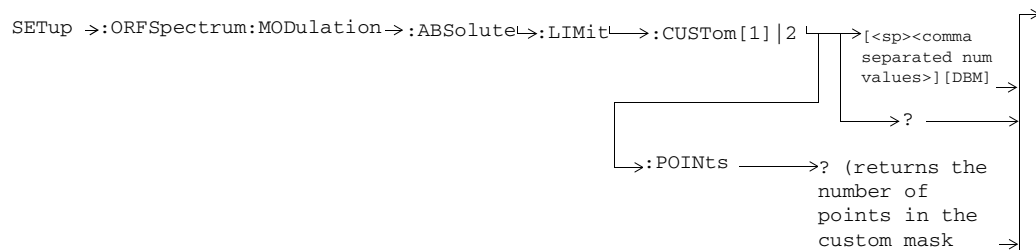
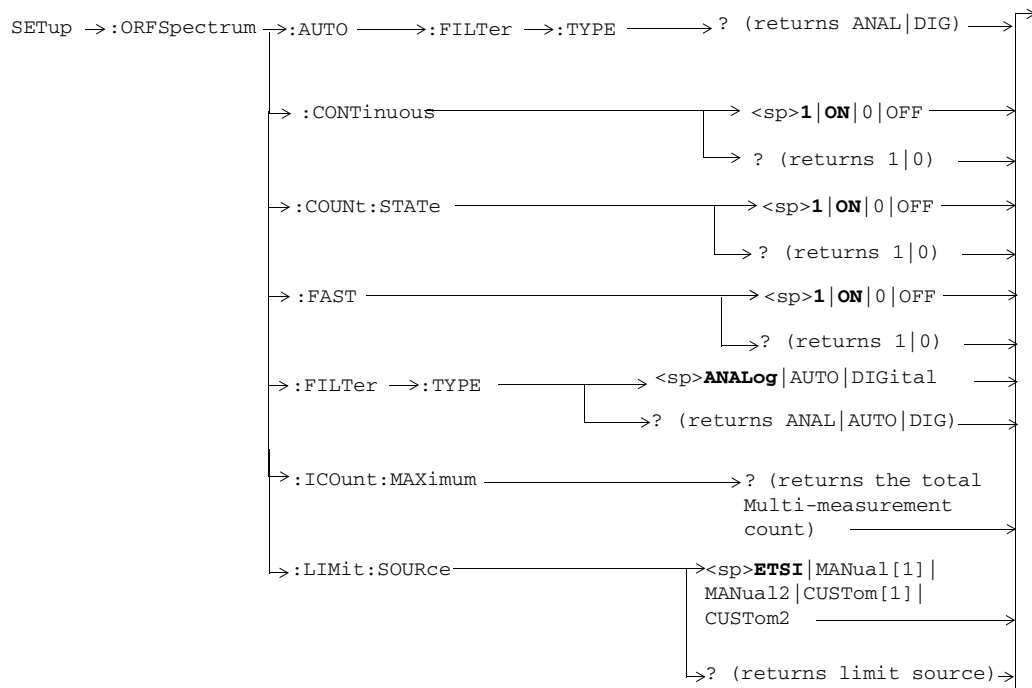
These commands are not applicable to GPRS or EGPRS.

GPIO Syntax for E1968A/E6701D/E6704A

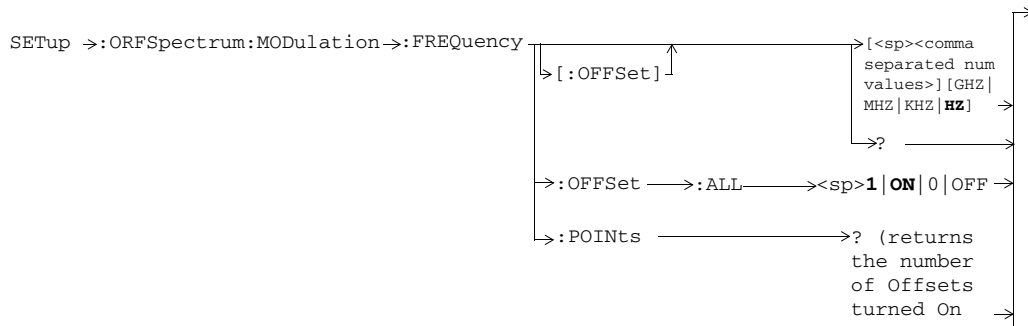
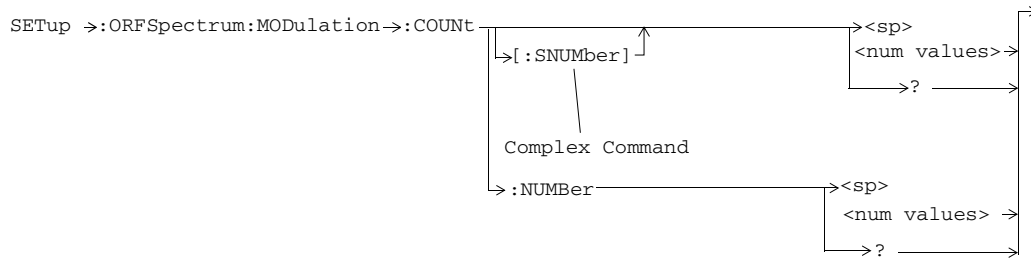


These commands are not applicable to GPRS and EGPRS.

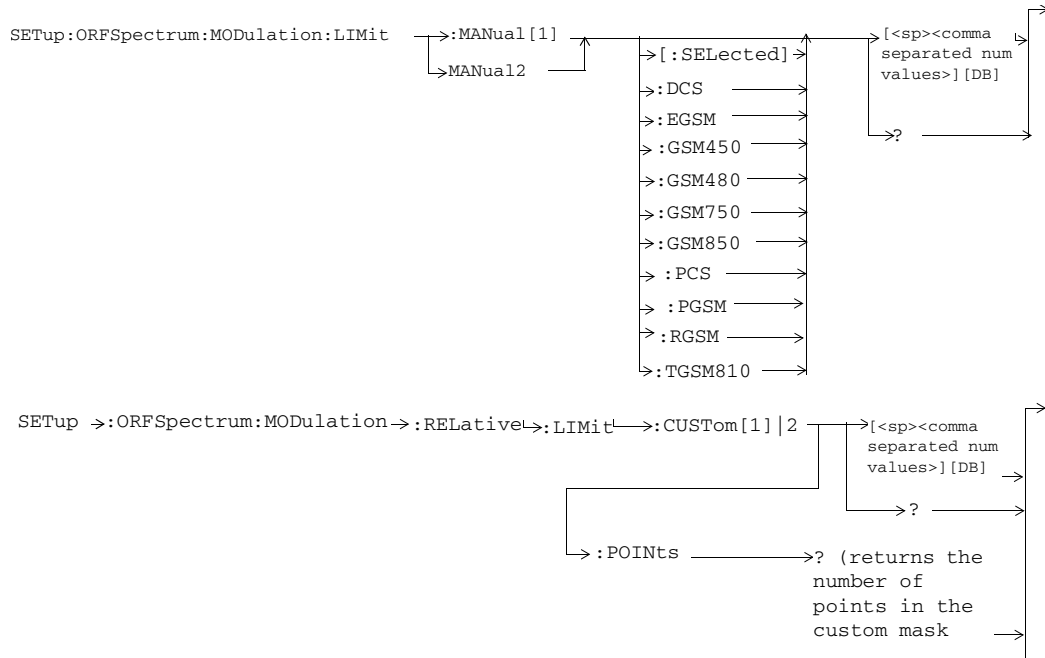
SETup:ORFSpectrum



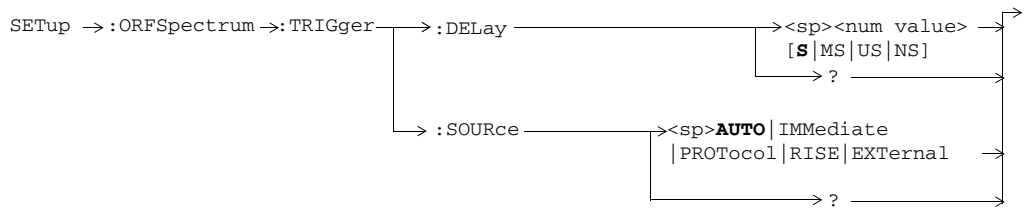
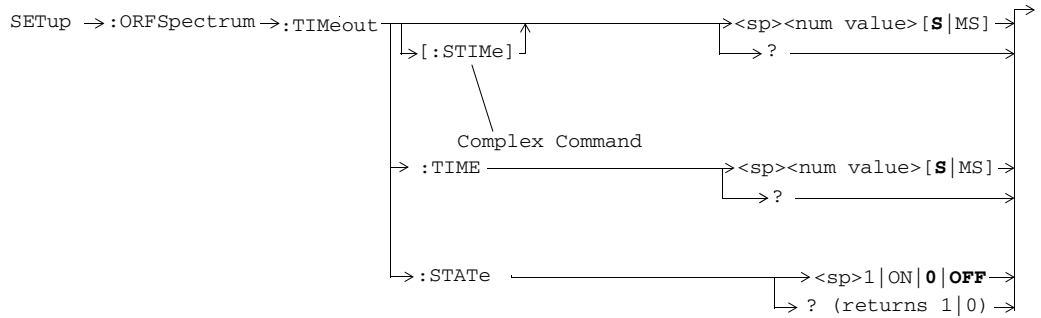
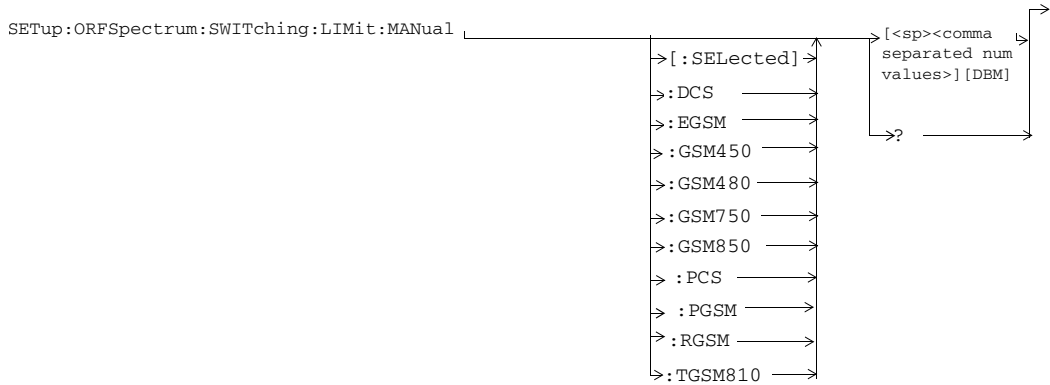
GPIO Syntax for E1968A/E6701D/E6704A



GPIO Syntax for E1968A/E6701D/E6704A

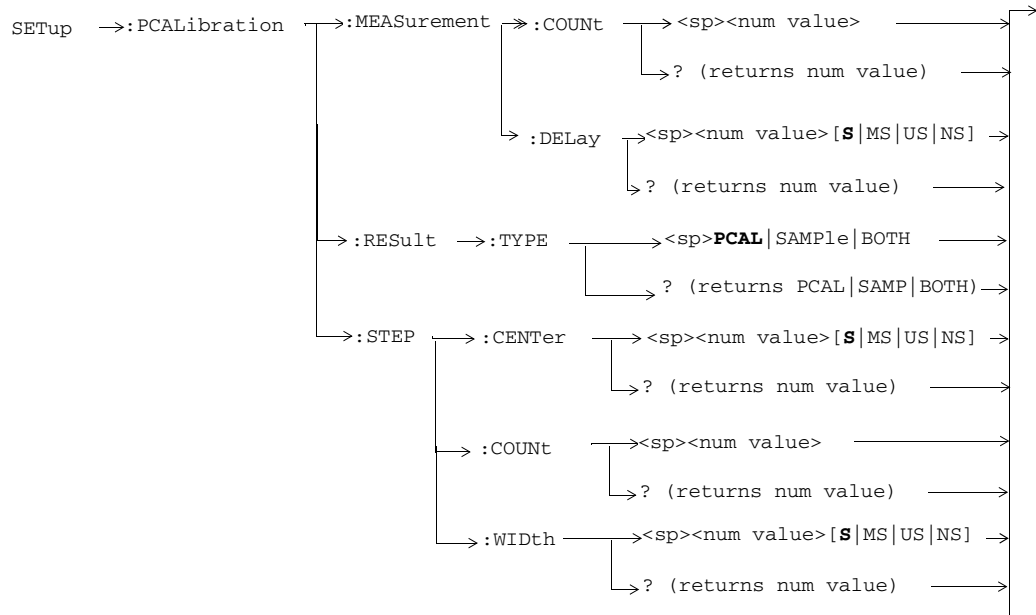


GPIO Syntax for E1968A/E6701D/E6704A

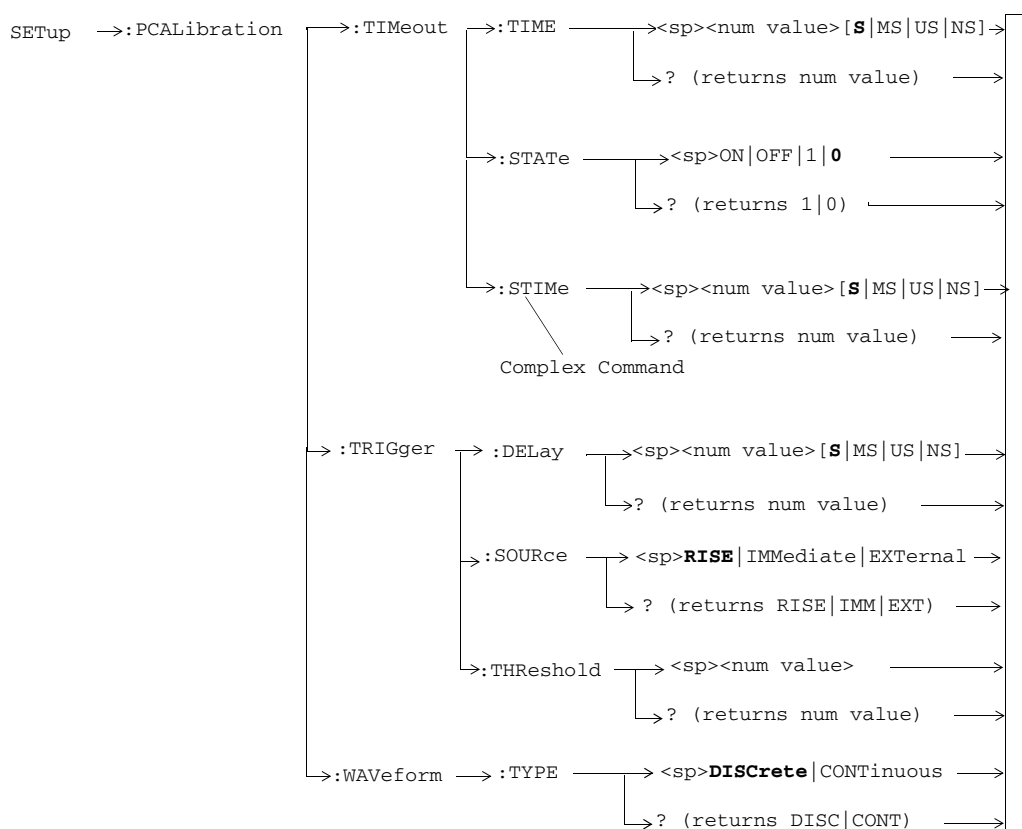


SETup:PCALibration

NOTE: These commands apply to the lab applications and test applications with the required feature license.

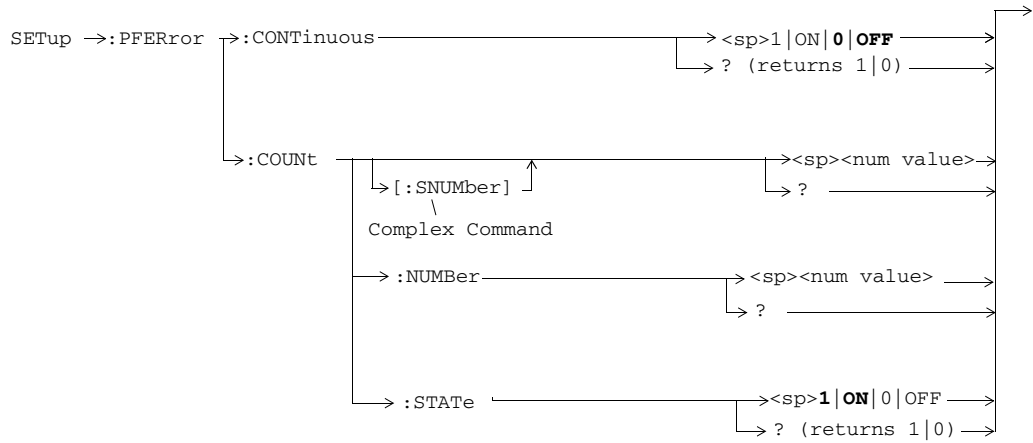
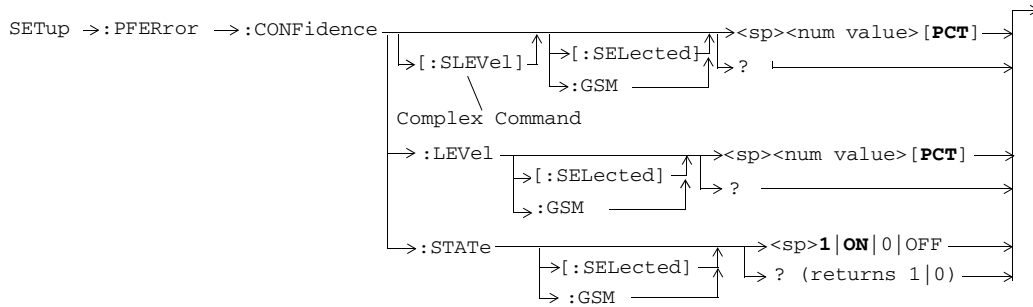


NOTE: These commands apply to the lab applications and test applications with the required feature license.

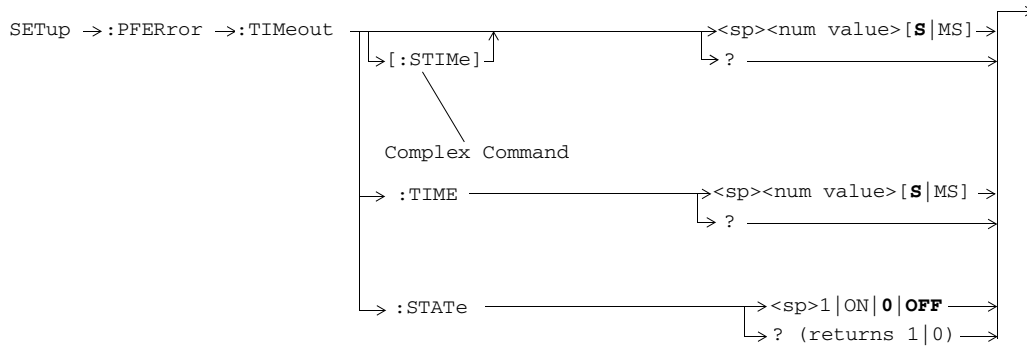
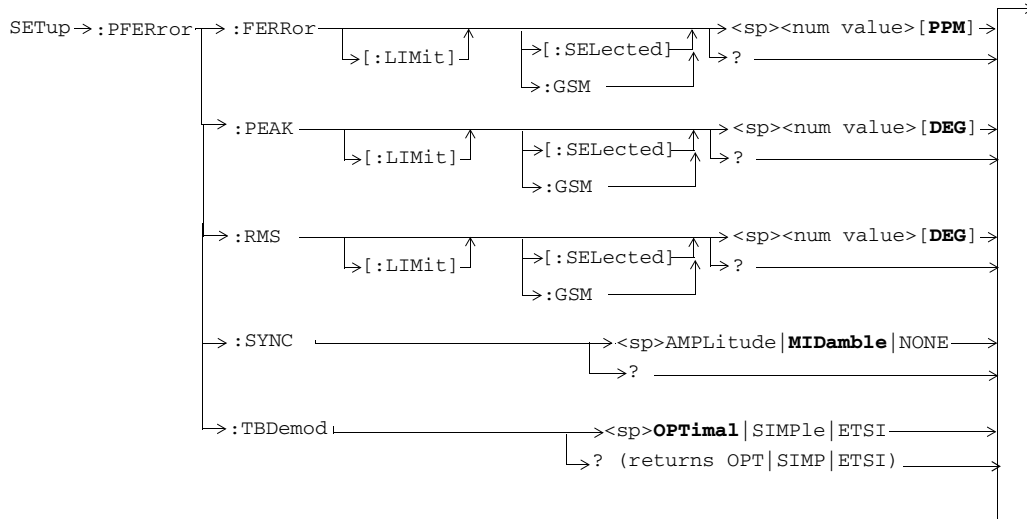


NOTE: These commands apply to the lab applications and test applications with the required feature license.

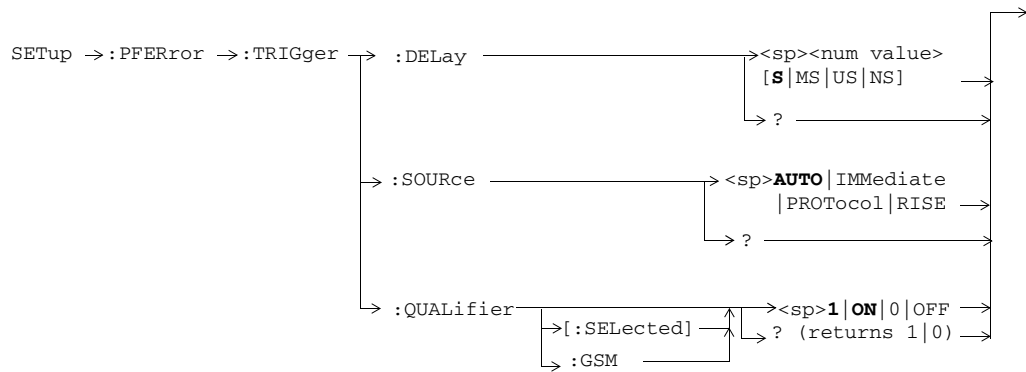
SETup:PFERror



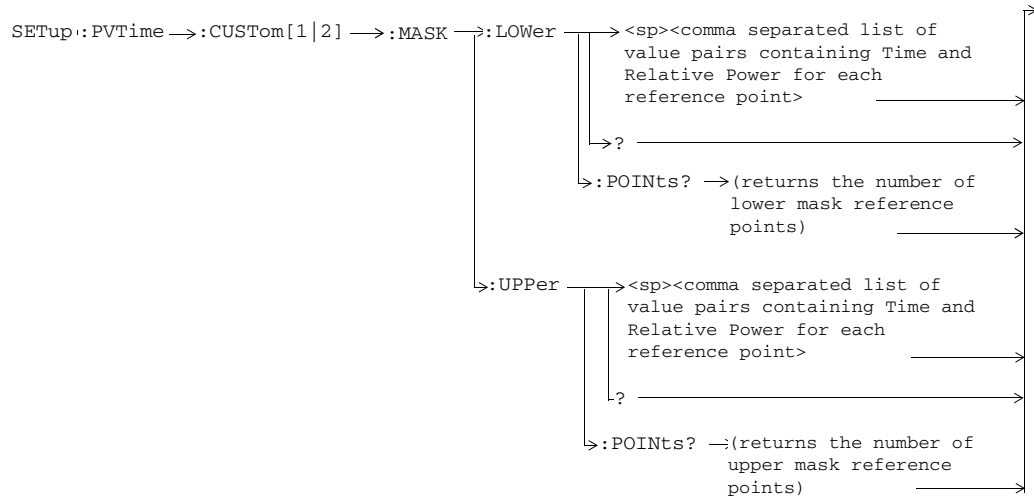
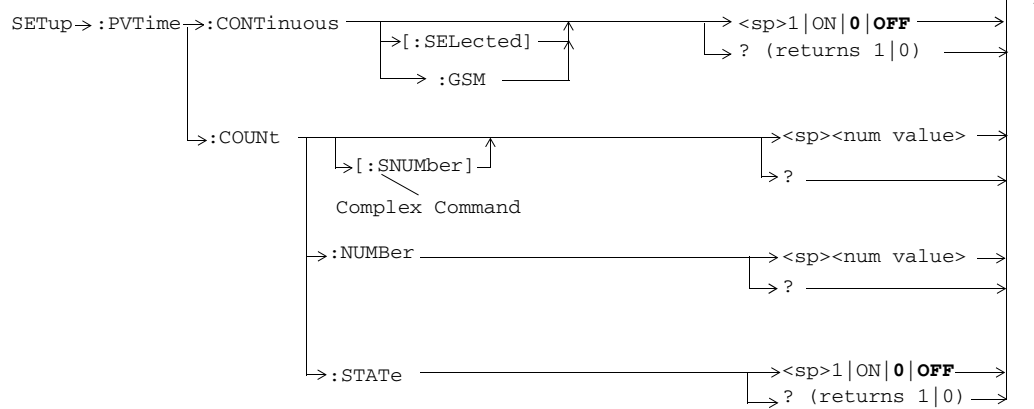
GPiB Syntax for E1968A/E6701D/E6704A



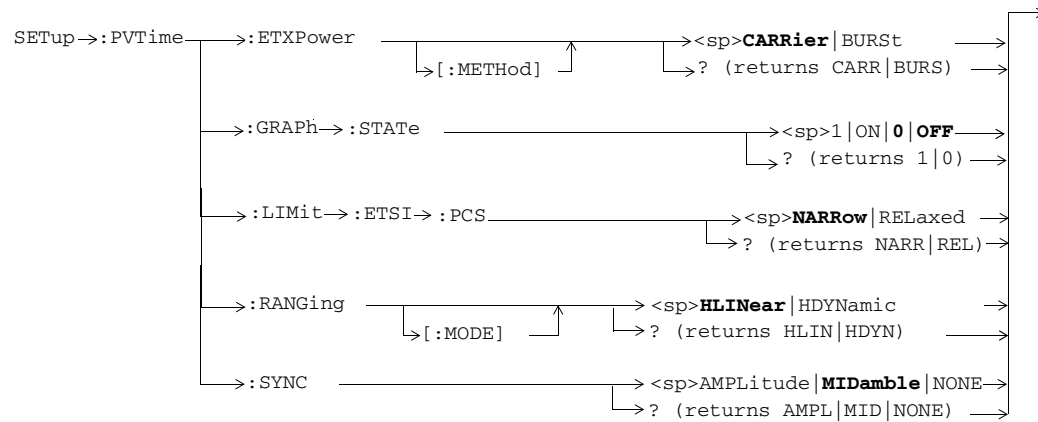
GPiB Syntax for E1968A/E6701D/E6704A



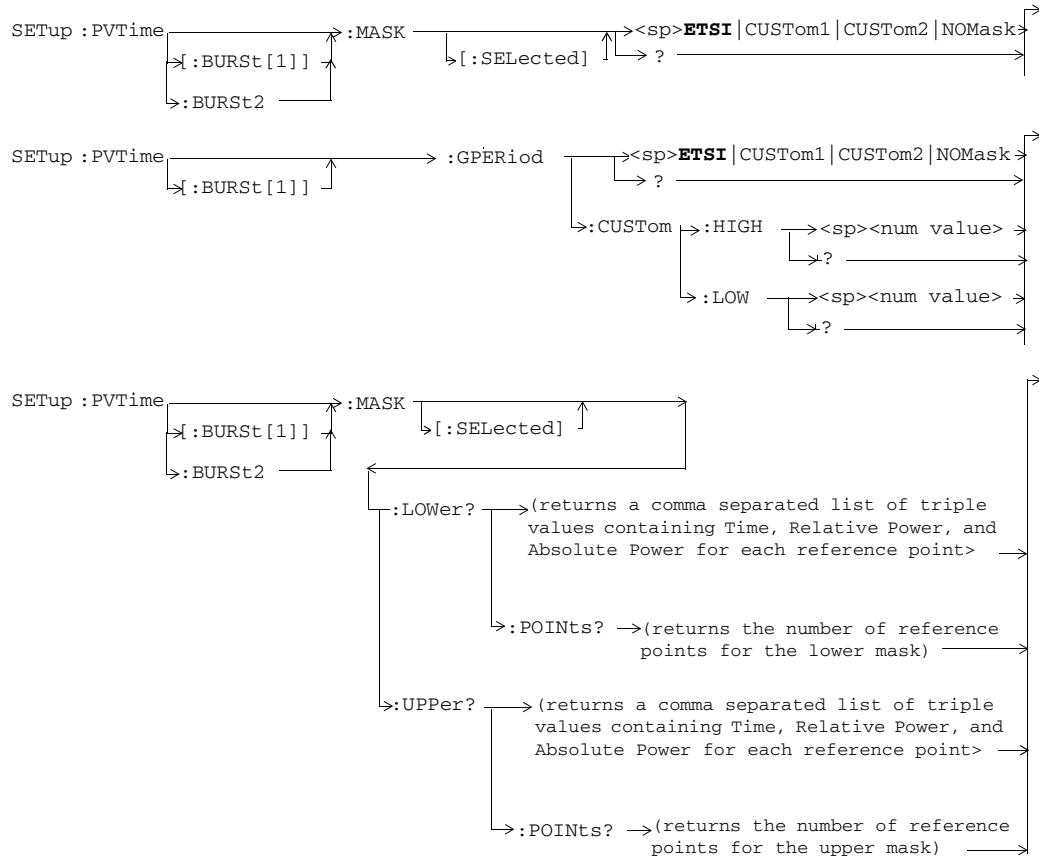
SETup:PVTime



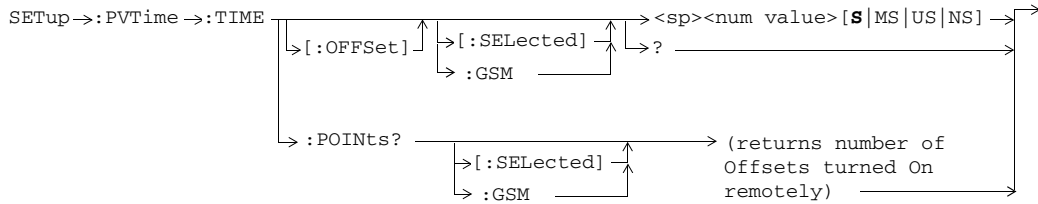
GPIO Syntax for E1968A/E6701D/E6704A



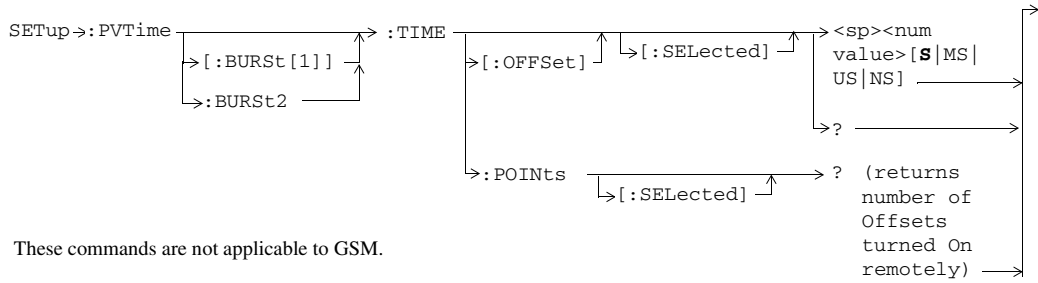
GPIB Syntax for E1968A/E6701D/E6704A



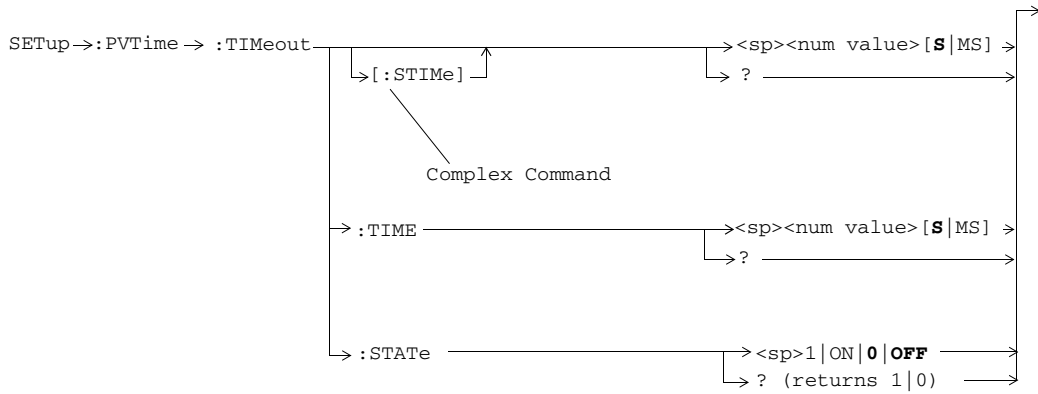
GPiB Syntax for E1968A/E6701D/E6704A



These commands are not applicable to GPRS.

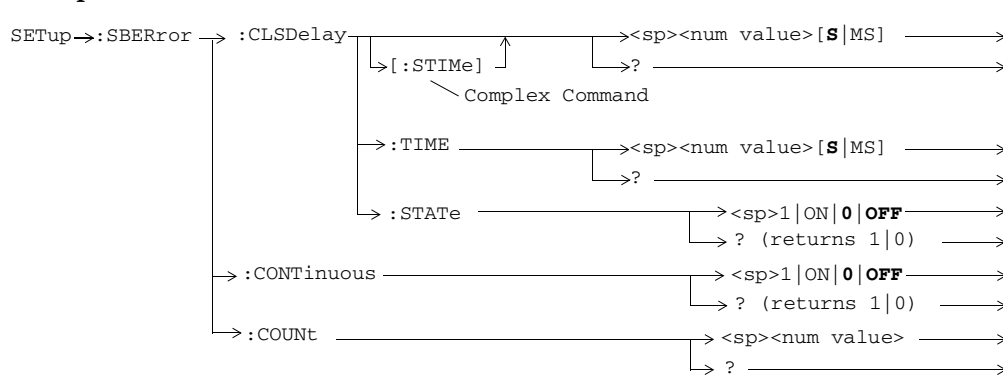


These commands are not applicable to GSM.

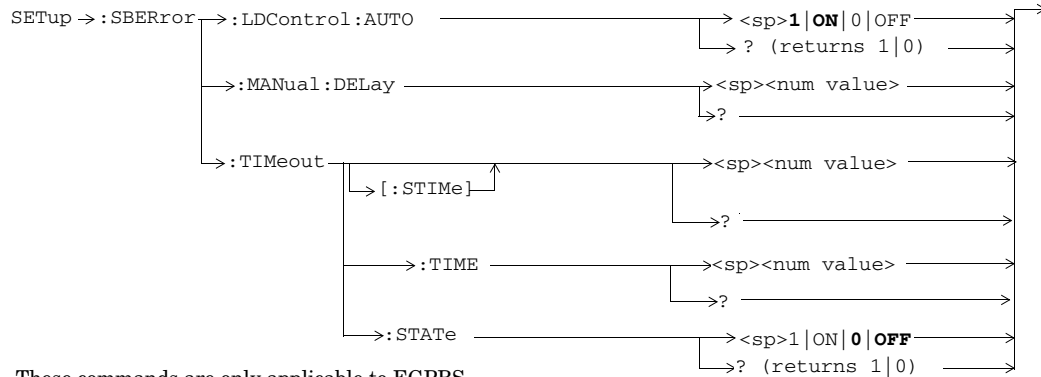


GPiB Syntax for E1968A/E6701D/E6704A

SETup:SBERror

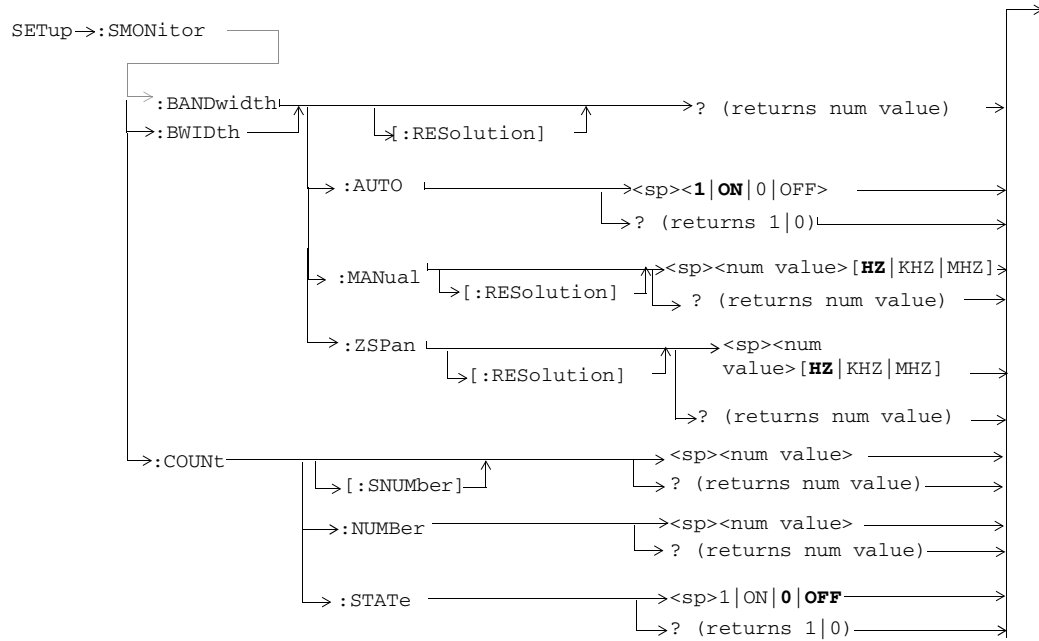
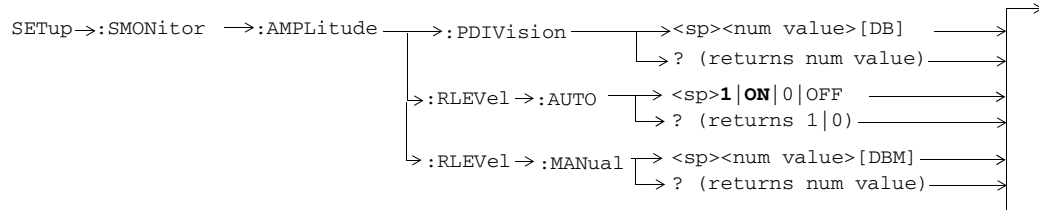


These commands are only applicable to EGPRS.

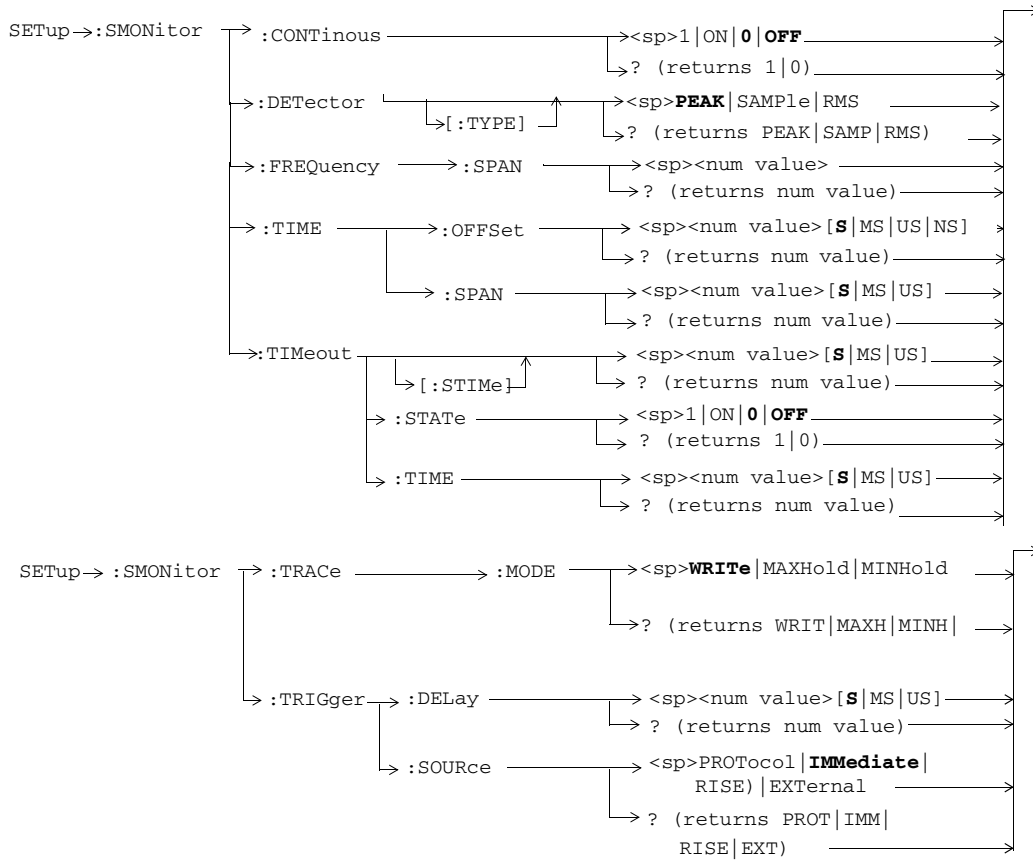


These commands are only applicable to EGPRS.

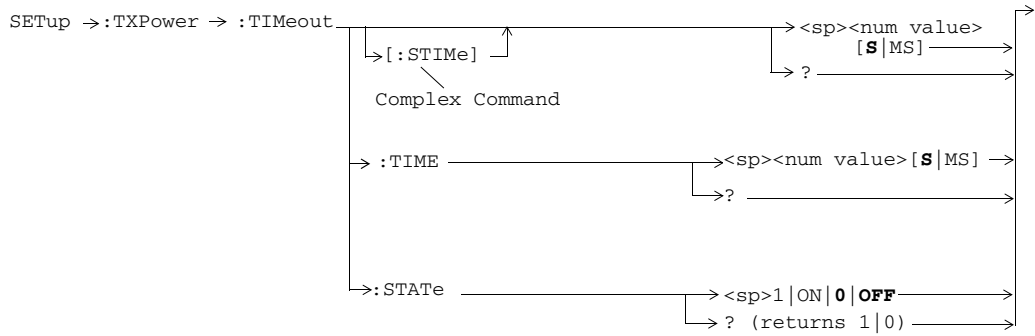
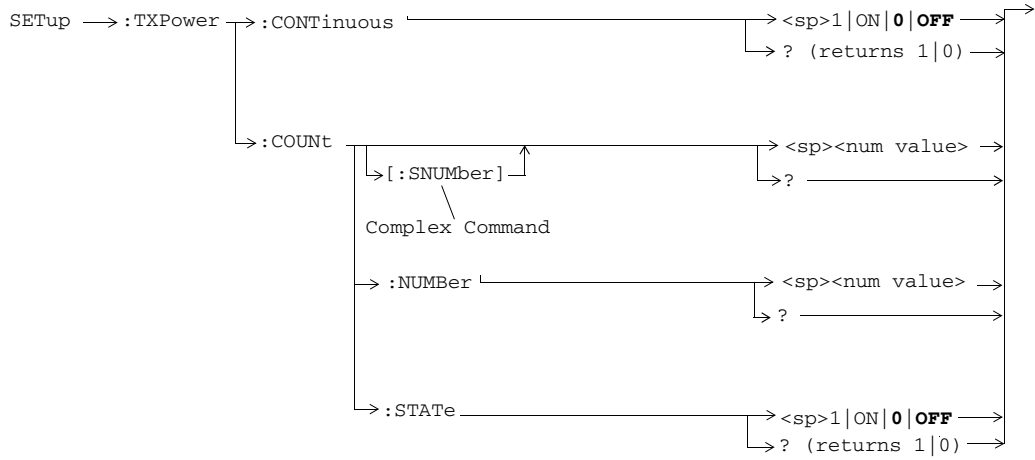
SETup:SMONitor



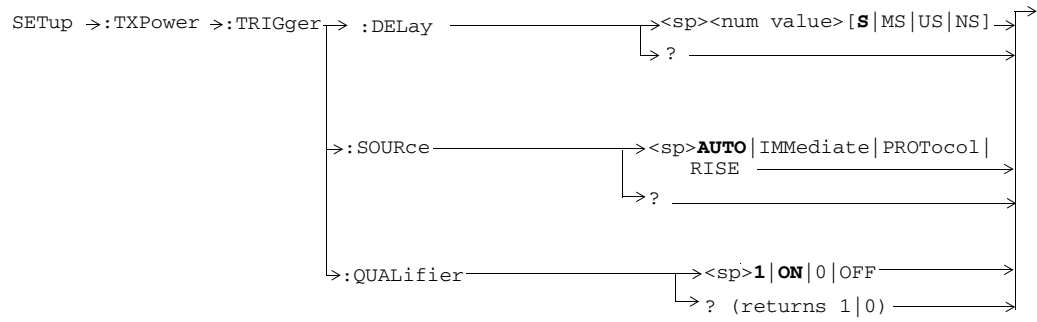
GPiB Syntax for E1968A/E6701D/E6704A



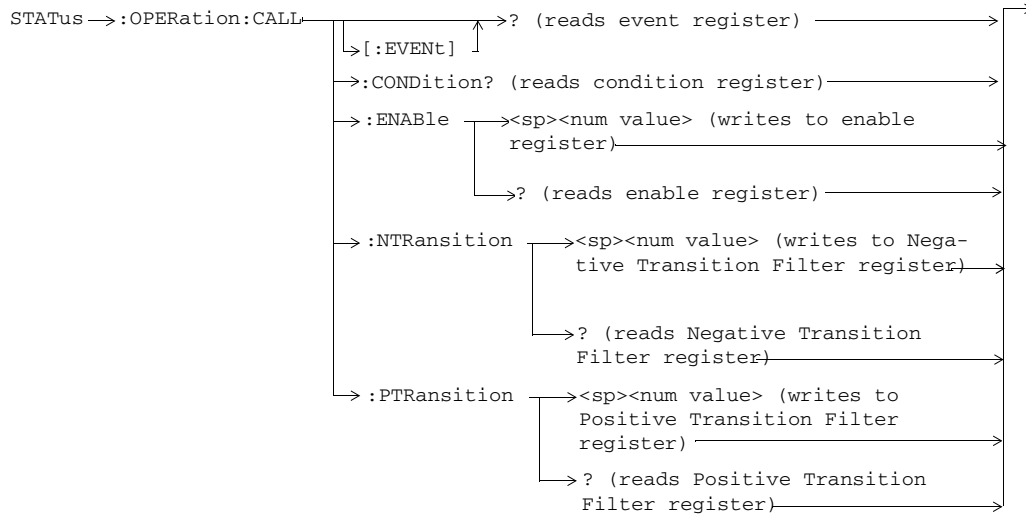
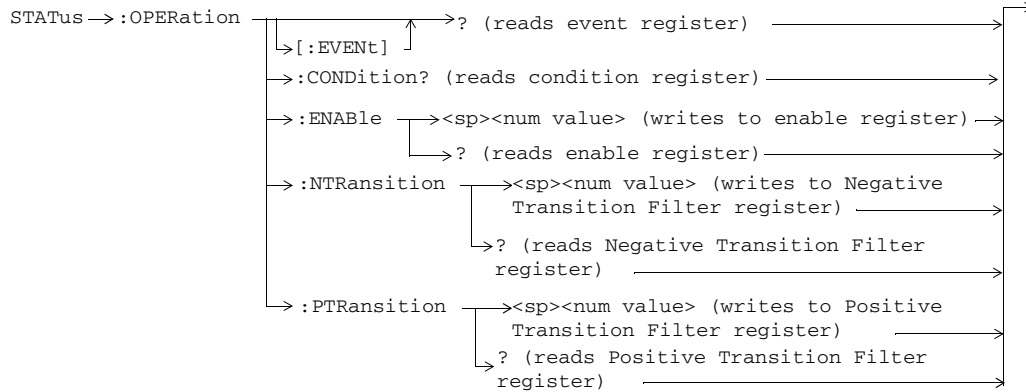
SETup:TXPower



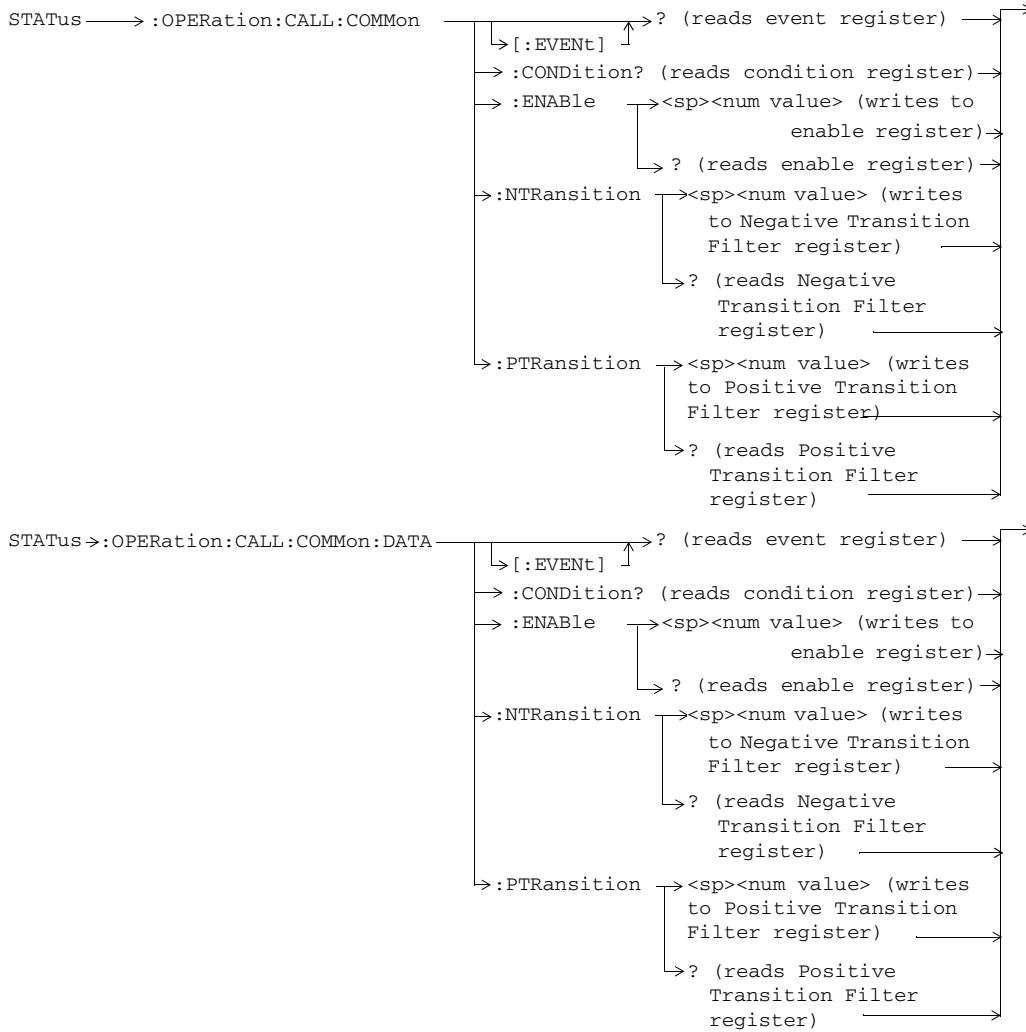
GPIB Syntax for E1968A/E6701D/E6704A



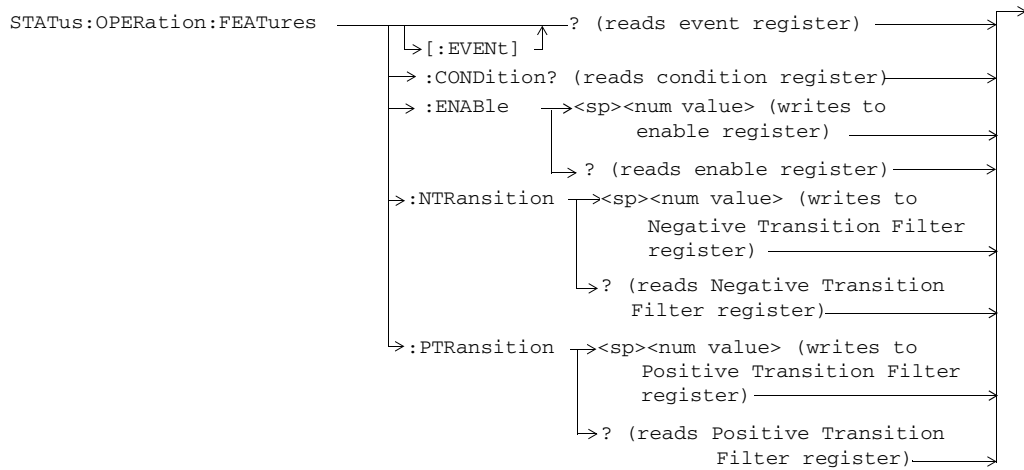
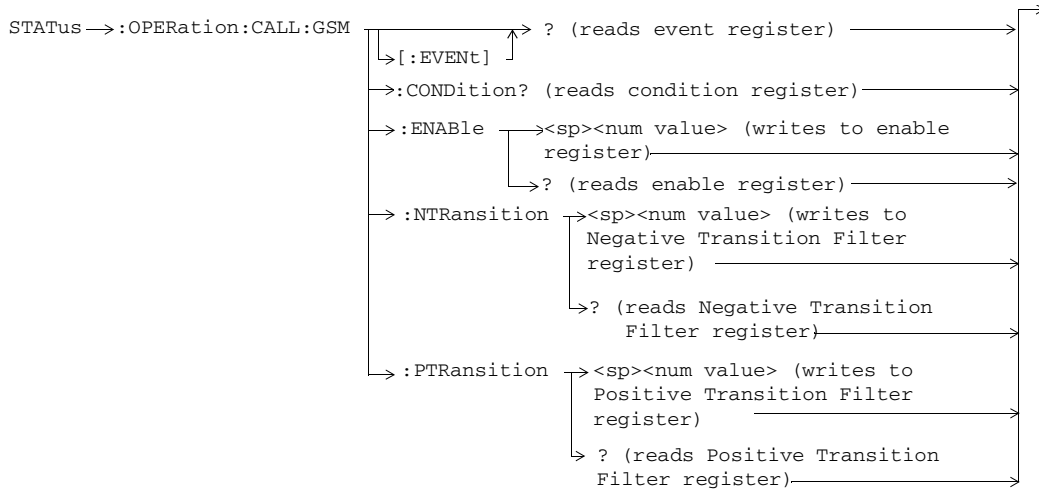
STATUS:OPERation



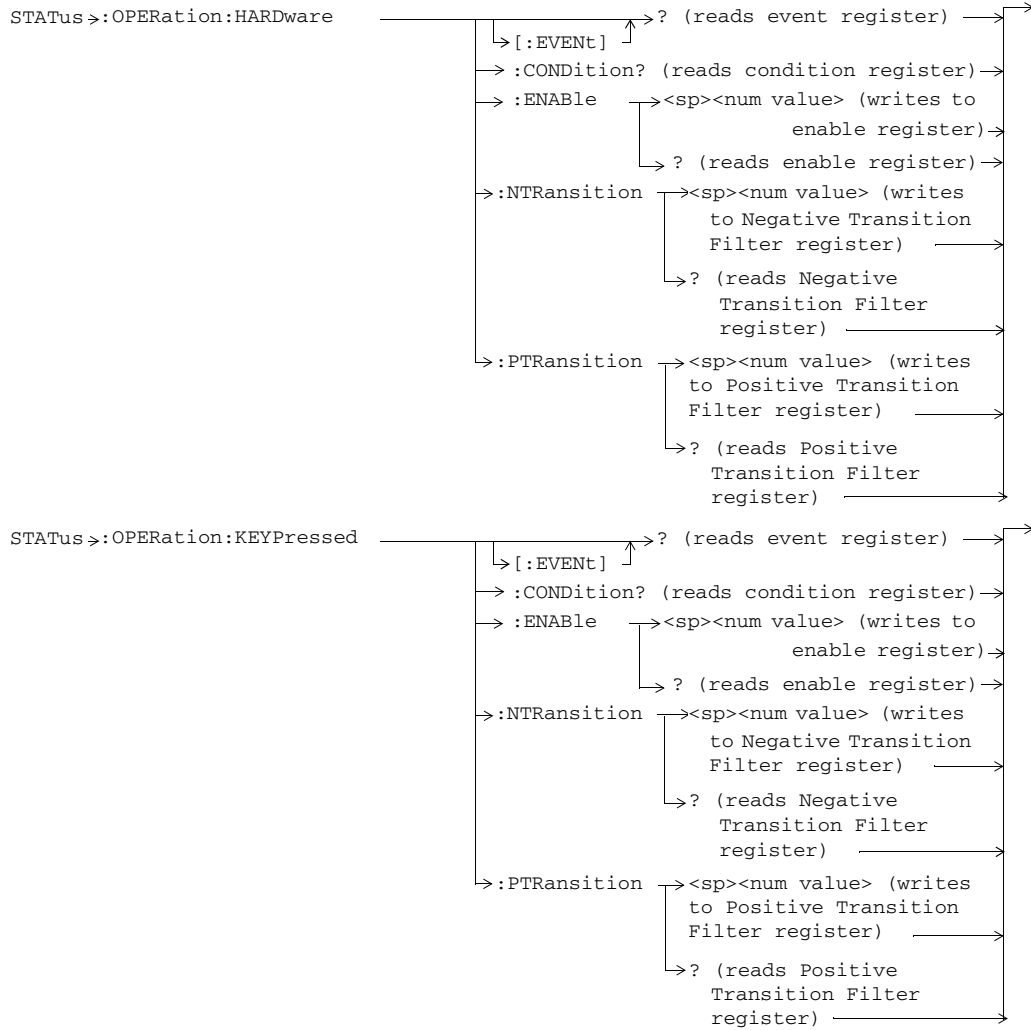
GPIO Syntax for E1968A/E6701D/E6704A



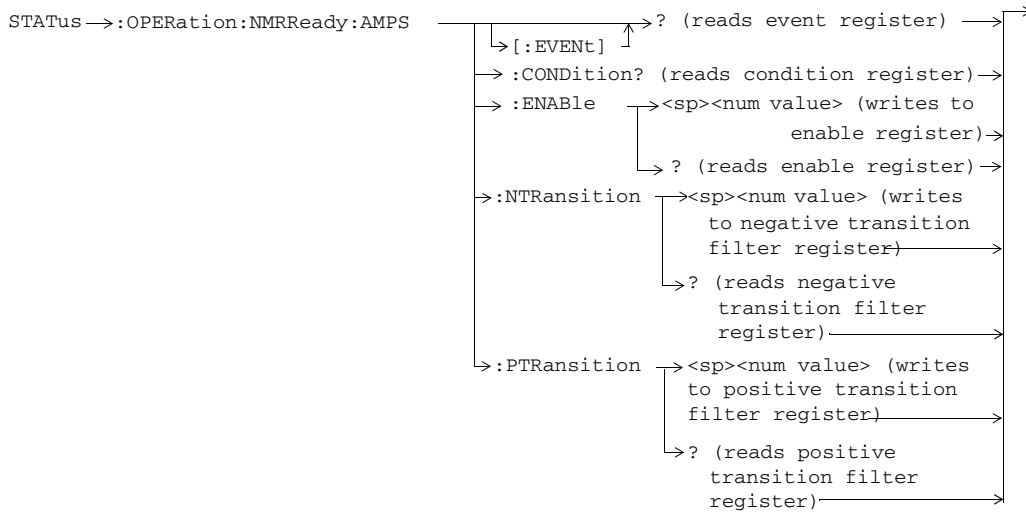
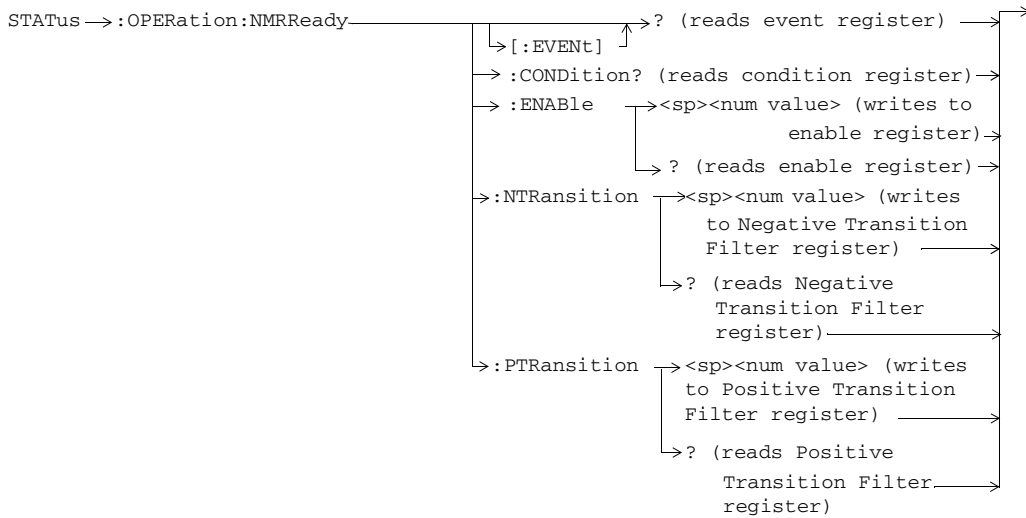
GPIO Syntax for E1968A/E6701D/E6704A



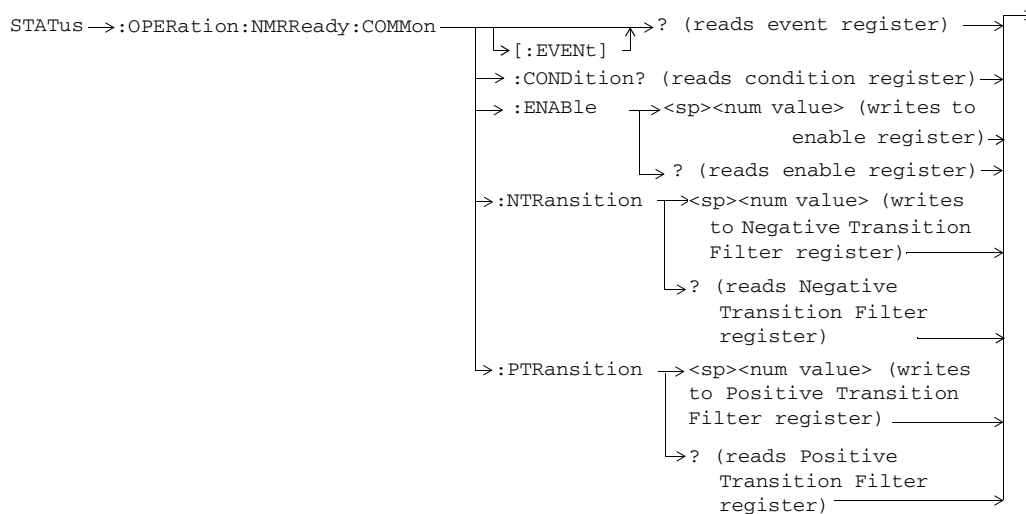
GPiB Syntax for E1968A/E6701D/E6704A



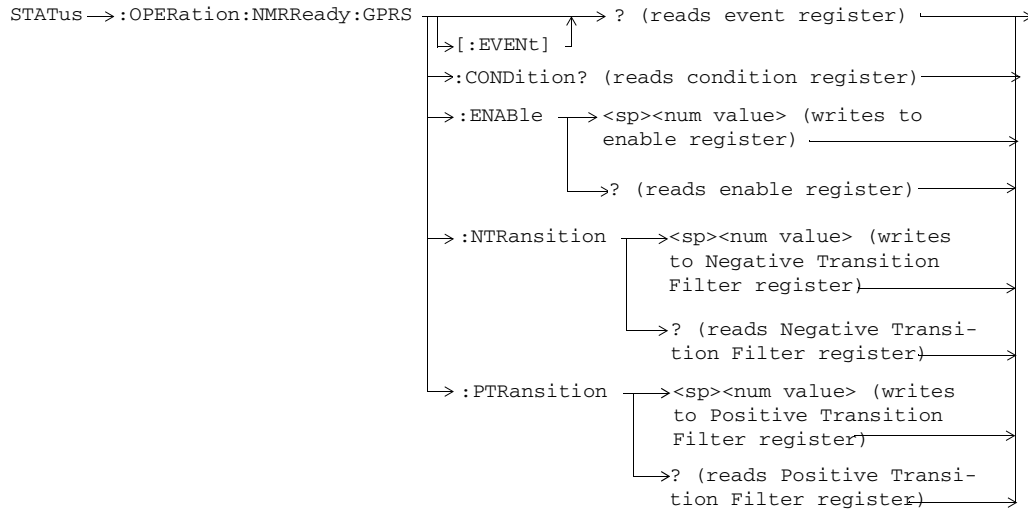
GPIO Syntax for E1968A/E6701D/E6704A



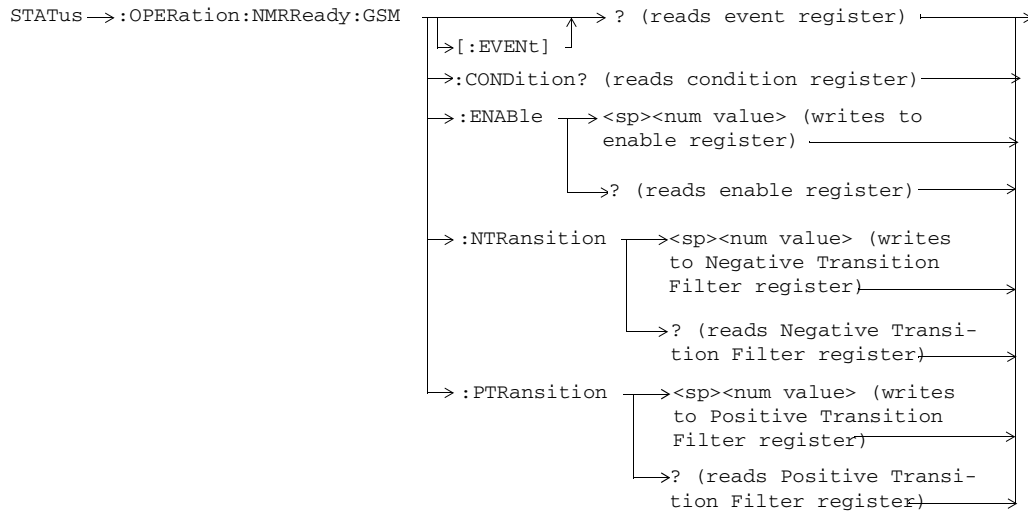
GPIO Syntax for E1968A/E6701D/E6704A



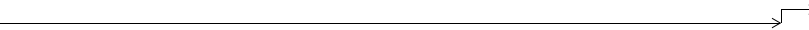
GPIO Syntax for E1968A/E6701D/E6704A



These commands are not applicable to GSM.

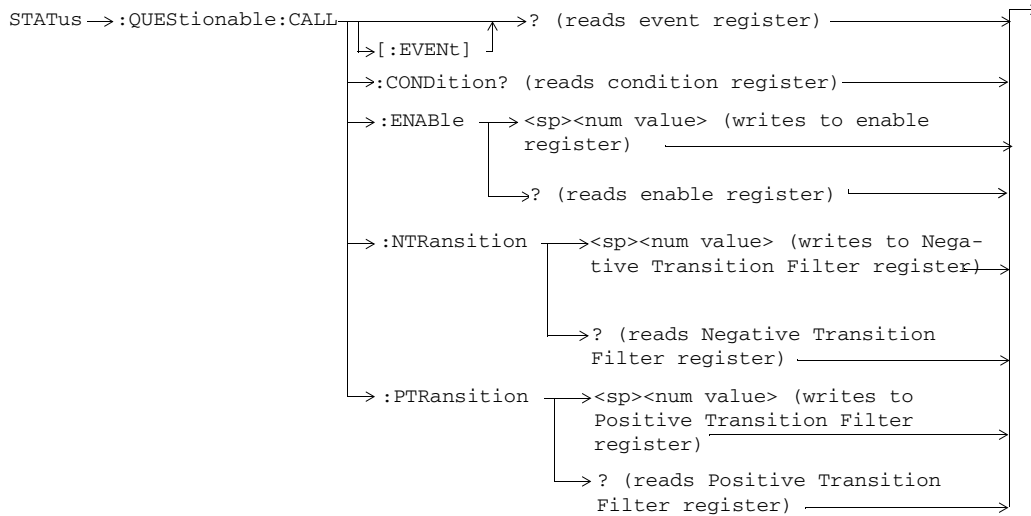
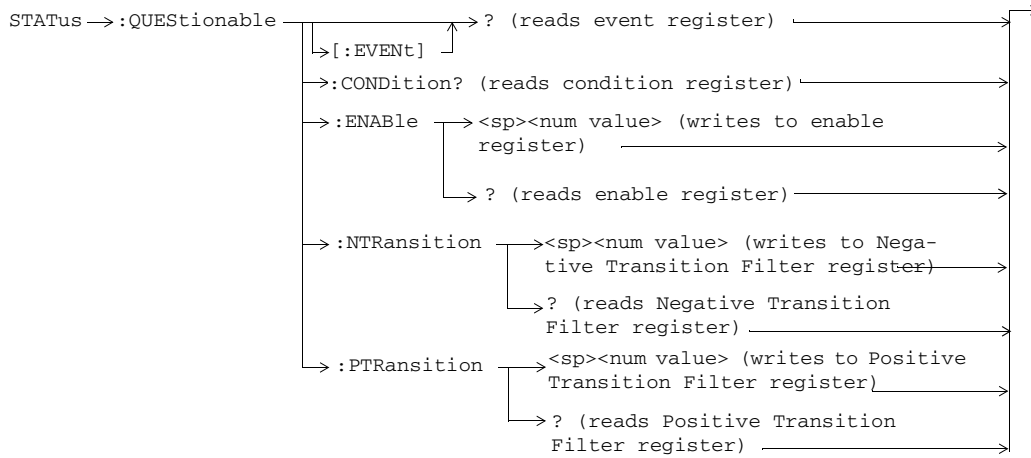


STATus:PRESet

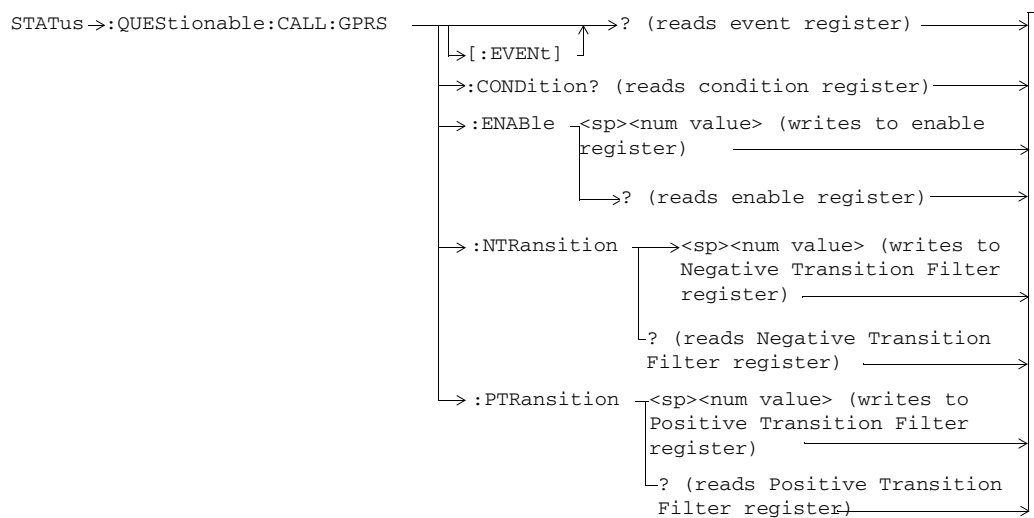
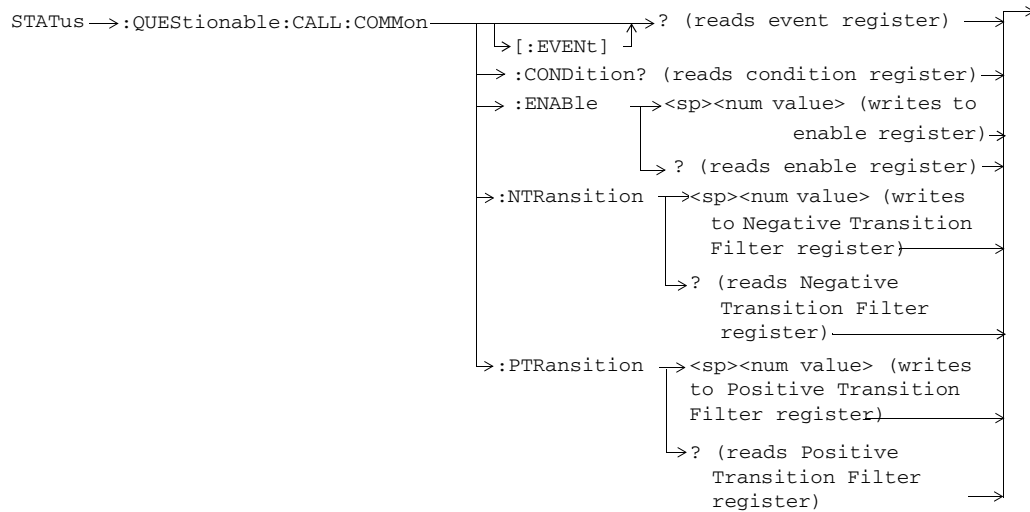
STATus → :PRESet 

GPIO Syntax for E1968A/E6701D/E6704A

STATUS:QUESTIONABLE

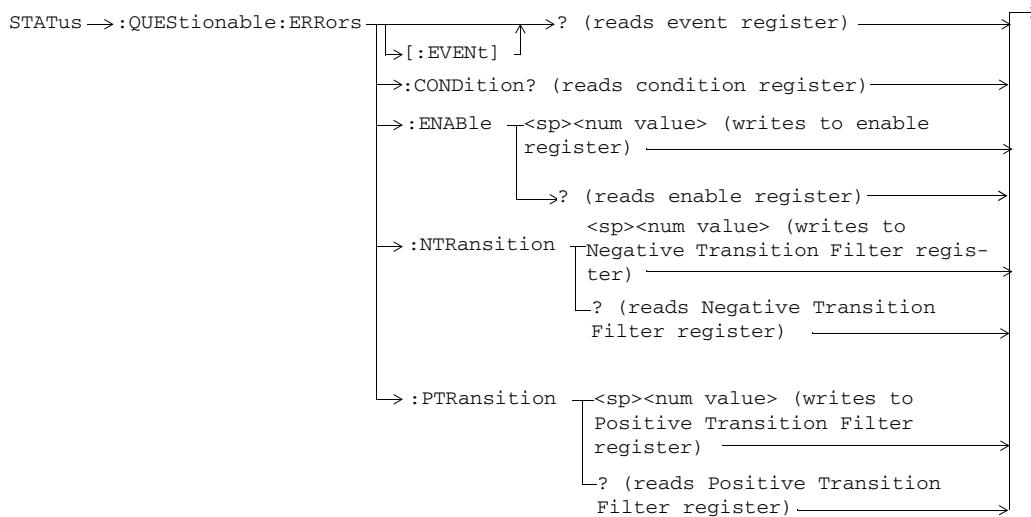
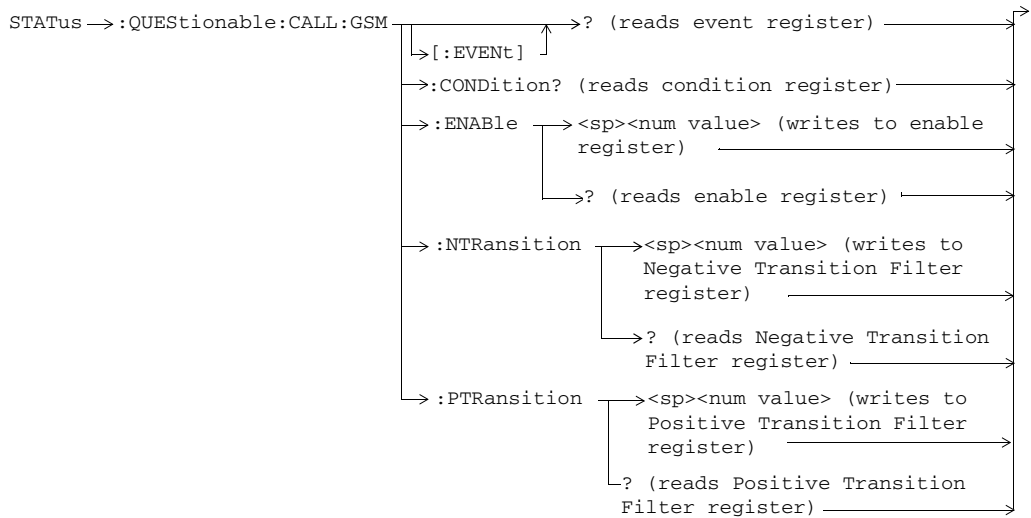


GPiB Syntax for E1968A/E6701D/E6704A

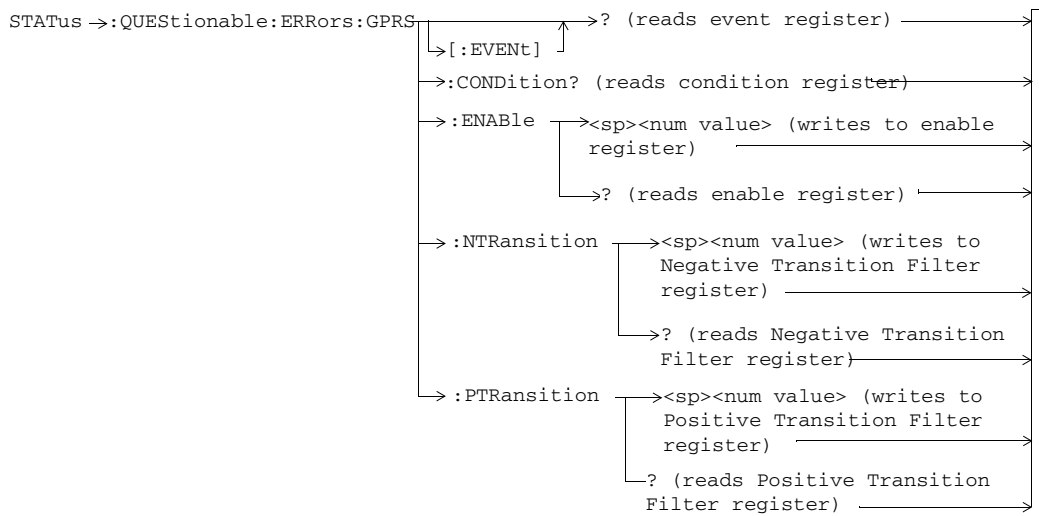
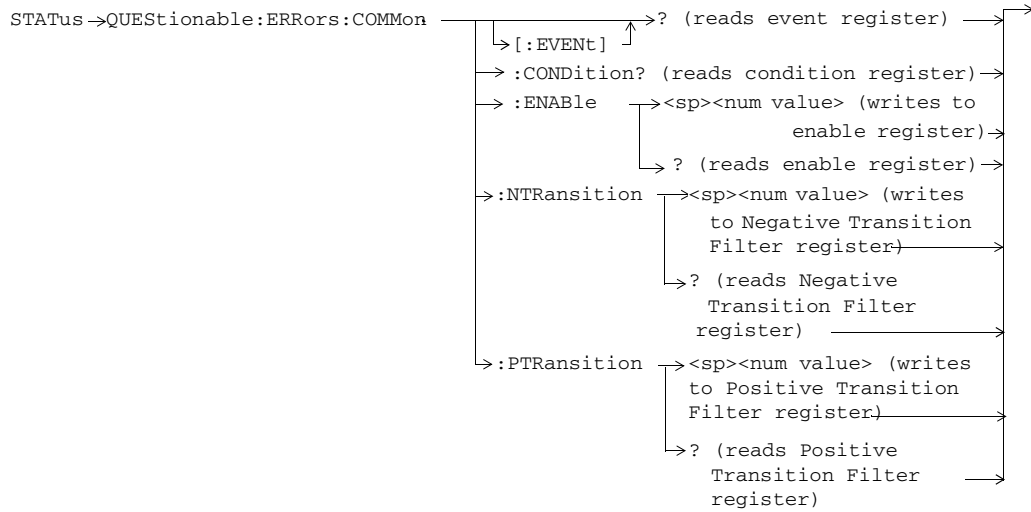


These commands are not applicable to GSM.

GPIO Syntax for E1968A/E6701D/E6704A

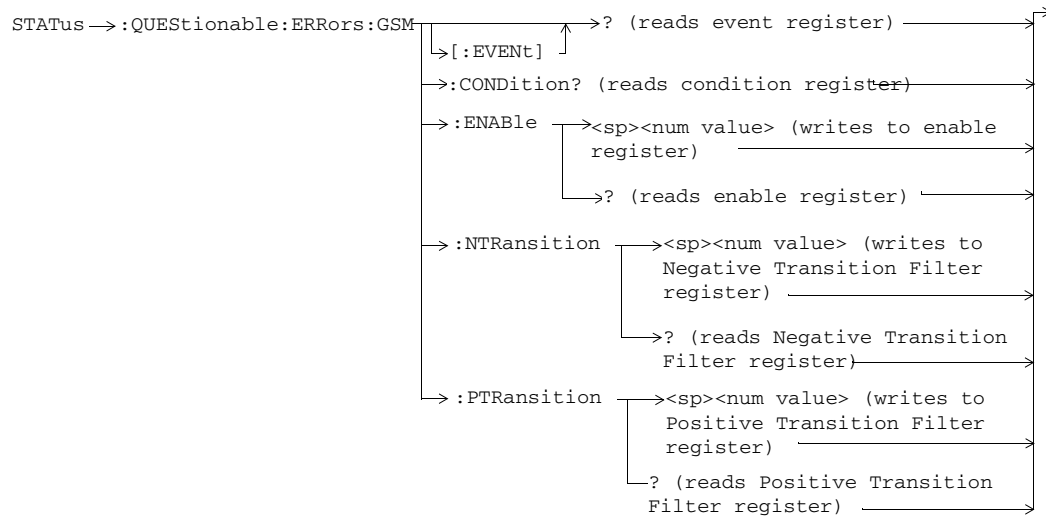


GPIO Syntax for E1968A/E6701D/E6704A



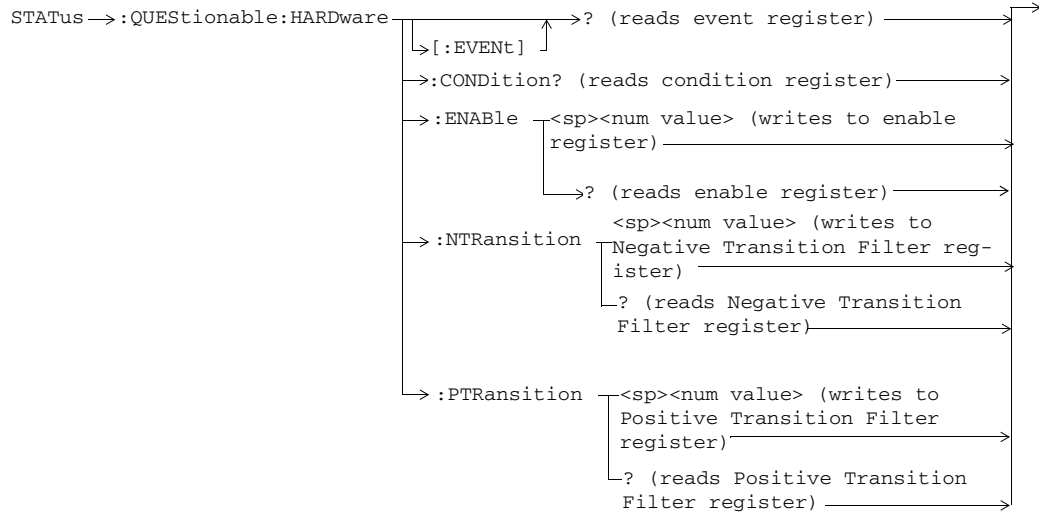
These commands are not applicable to GSM.

GPIO Syntax for E1968A/E6701D/E6704A



These commands are not applicable to GPRS.

GPiB Syntax for E1968A/E6701D/E6704A



GPIO Syntax for E1968A/E6701D/E6704A

Status Byte Register

***STB?**

*STB? _____ ↘ ↗

Standard Event Status Register

***ESR?**

*ESR? _____ → Reads and clears the Std Event Status Register. ↗

***ESE?**

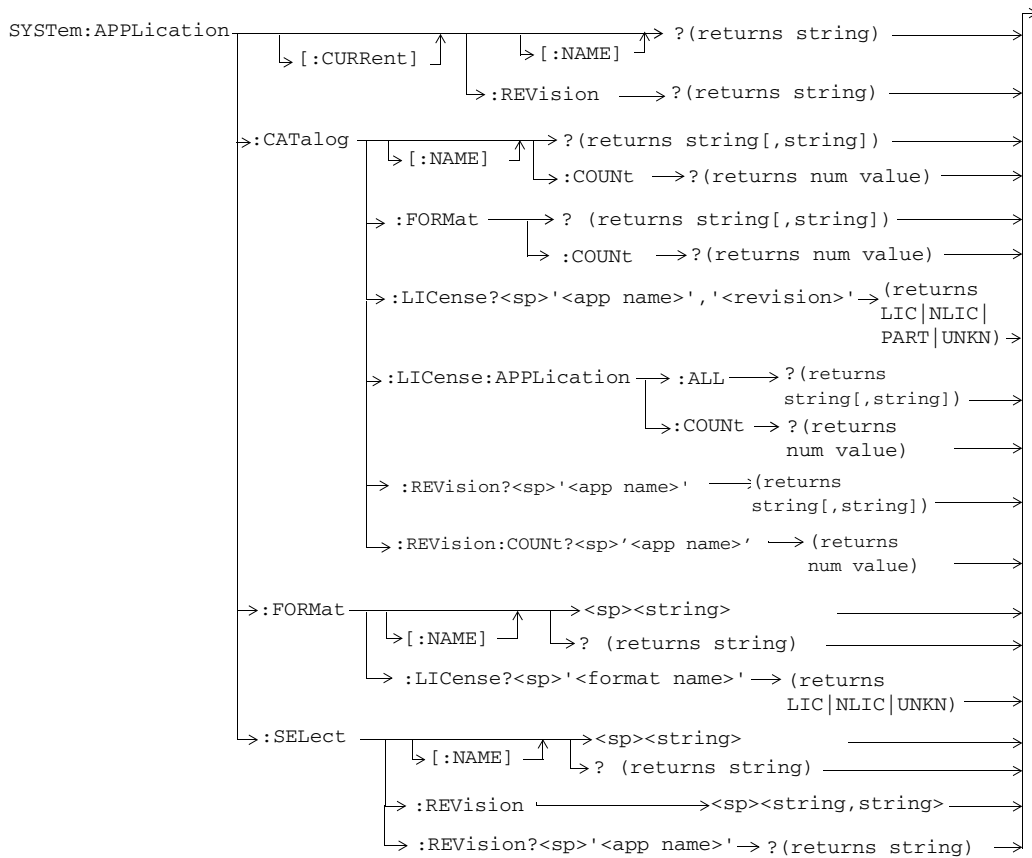
*ESE? _____ → Reads the Std Event Status Register Enable Register ↗

***ESE**

*ESE _____ → Writes to the Std Event Status Register Enable Register ↗

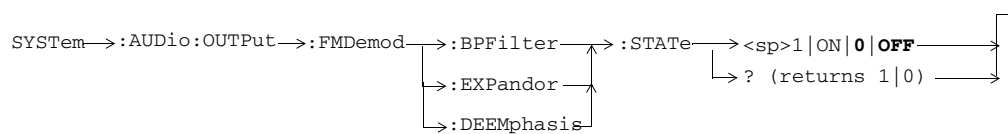
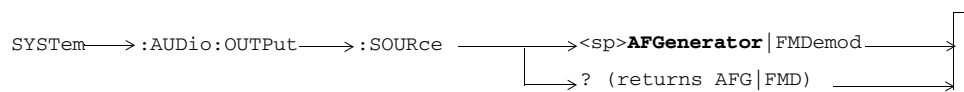
GPIB Syntax for E1968A/E6701D/E6704A

SYSTem:APPLication

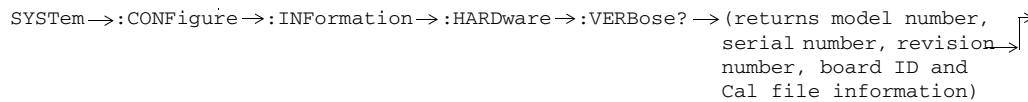


GPIO Syntax for E1968A/E6701D/E6704A

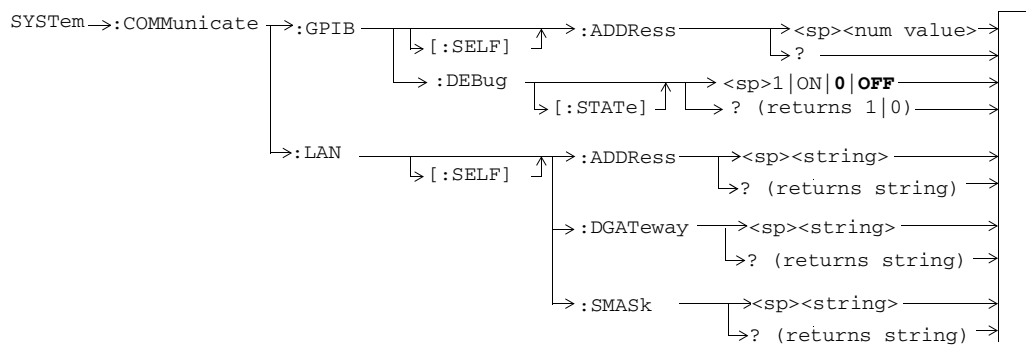
SYSTEM:Audio



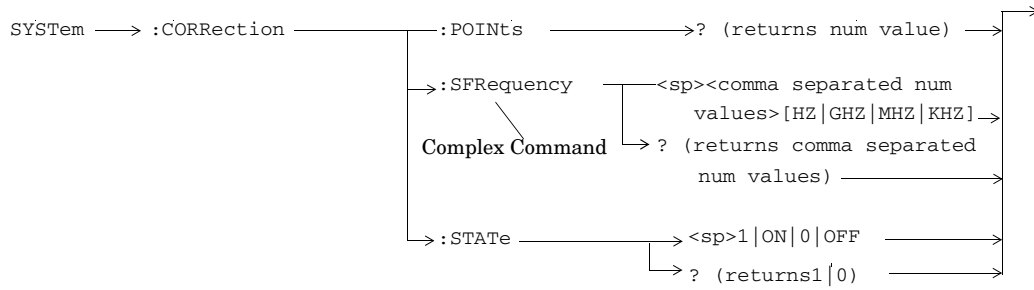
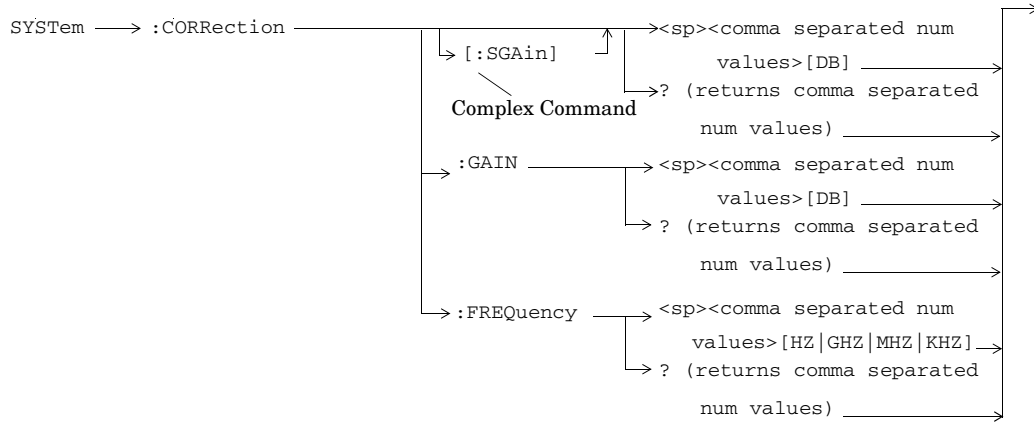
SYSTEM:CONFigure



SYSTEM:COMMunicate

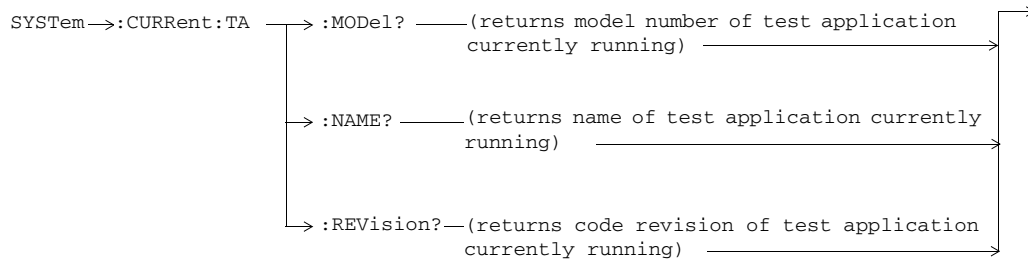


SYSTem:CORRection

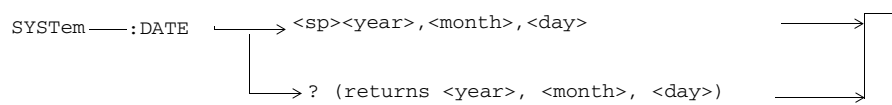


GPIO Syntax for E1968A/E6701D/E6704A

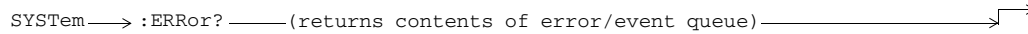
SYSTEM:CURRENT:TA



SYSTEM:DATE

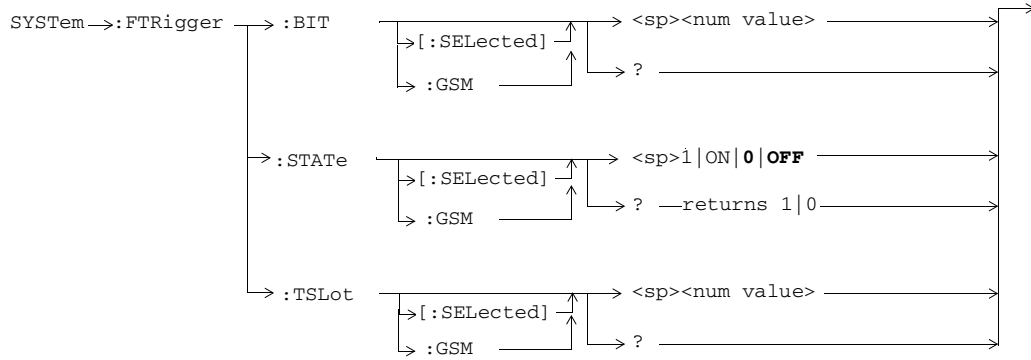


SYSTEM:ERROR?

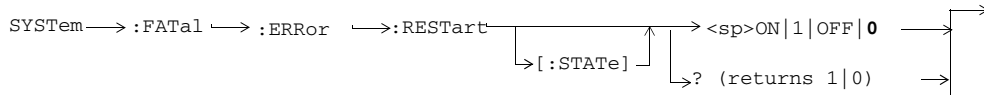


SYSTem:FTRigger

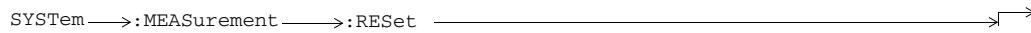
NOTE This command has been replaced by the command CALL:TRIGger[:OUTPut].



SYSTem:FATal

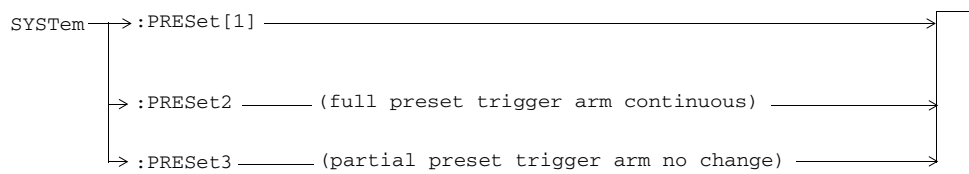


SYSTem:MEASurement

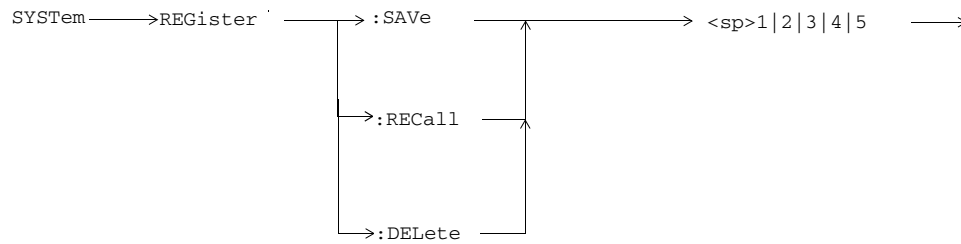


GPiB Syntax for E1968A/E6701D/E6704A

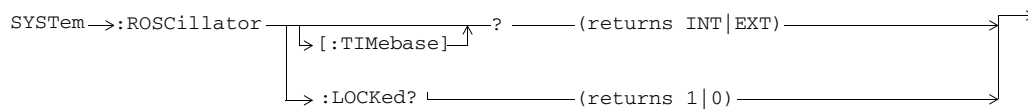
SYSTEM:PRESet



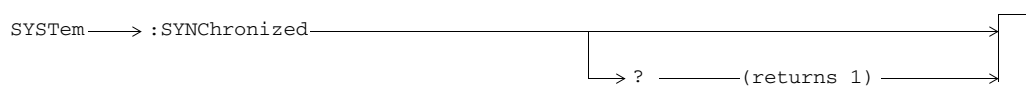
SYSTEM:REGister



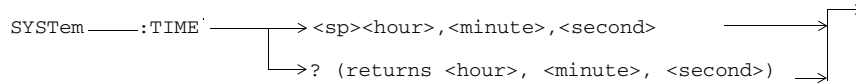
SYSTEM:ROSCillator



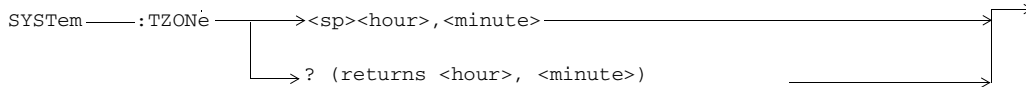
SYSTEM:SYNChronized



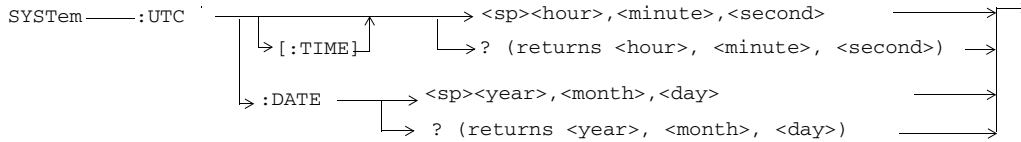
SYSTem:TIME



SYSTem:TZONE



SYSTem:UTC



IEEE 488.2 Common Commands

Description

***CLS** The *CLS, clear status command, is defined in “IEEE Std 488.2-1992”, 10.3. This command will also clear and close the error message screen on the test set’s display.

***ESE** The *ESE, standard event status enable command, is defined in “IEEE Std 488.2-1992”, 10.10.

***ESE?** The *ESE?, standard event status enable query, is defined in “IEEE Std 488.2-1992”, 10.11.

***ESR?** The *ESR?, standard event status register query, is defined in “IEEE Std 488.2-1992”, 10.12.

***IDN?** The *IDN?, identification query, is defined in “IEEE Std 488.2-1992”, 10.14. *IDN? is used to retrieve information about the test set in ASCII format.

*IDN?, returns ASCII codes 32 through 126 excluding comma and semicolon in four comma separated fields. Field 1 returns the manufacturer, field 2 returns the instrument model number, field 3 returns the serial number, field 4 returns 0.

GPB Syntax for E1968A/E6701D/E6704A

***OPC** The *OPC, operation complete command, is defined in “IEEE 488.2-1992”, 10.18. *OPC causes the test set to continuously sense the No Operation Pending flag. When the No Operation Pending flag becomes TRUE, the OPC event bit in the standard event status register (ESR) is set to indicate that the state of all pending operations is completed. The *OPC common command is not recommended for use as an overlapped command.

***OPC?** The *OPC?, operation complete query, is defined in “IEEE Std 488.2-1992”, 10.19. The *OPC? query allows synchronization between the controller and the test set using either the message available (MAV) bit in the status byte, or a read of the output OPC?. The *OPC? query does not effect the OPC event bit in the Standard Event Status Register (ESR). The *OPC? common command is not recommended for use as an overlapped command.

***OPT?** The *OPT?, option identification query, is defined in “IEEE Std 488.2-1992”, 10.20. Each option will have a unique name, that name will be returned with the query.

***RST** The *RST, full preset command, is defined in “IEEE Std 488.2-1992”, 10.32. *RST is the recommended command when performing a full preset on the test set. A *RST restores the majority of settings to their default values.

- *RST sets trigger arm to single
- PRESet2 sets trigger arm to continuous

***SRE** The *SRE, service request enable command, is defined in “IEEE Std 488.2-1992”, 10.34. The parameter range for this command is 0 through 255.

***SRE?** The *SRE?, service request enable query, is defined in “IEEE Std 488.2-1992”, 10.35. Values returned by this query range from 0 through 255.

***STB?** The *STB?, read status byte query, is defined in “IEEE Std 488.2-1992”, 10.36. Values returned by this query range from 0 through 255.

***WAI** The *WAI, wait-to-continue command, is defined in “IEEE Std 488.2-1992”, 10.39. The *WAI command prevents the test set from executing any further commands or queries until all pending operation flags are false. The *WAI common command is not recommended for use as an overlapped command.

Index

To find a syntax equivalent for a field on the Test Set's display.

1. Find the field name on the Test Set's display.
2. Look up the name in the alphabetical listing.
3. Turn to the page indicated.

Numerics

3 Digit MNC for PCS 1900, 58

A

abort measurements, 10
Absolute Power Level Unused Bursts, 55
Activate PDP Context Accept, 59, 60, 61, 62
Active Cell Status, 85
active cell, setting, 39
Active logging status, 57
Alternate Ping Address, 23
Amplitude, 11
Amplitude Offset, 211
Analog Audio Setup, 148
analog audio setup, 148
Application Selection, 209
Application Setup, 209
Application Switch, 209
Application, Revision, License, 209
ARFCN
 PDTCH, 45
Attached state, 13, 27
Audio Analyzer
 Audio Frequency, 109
Audio Frequency, 109
Audio Out Port, 210

B

BA Table, 13, 18, 105
Band Pass Filter Frequency
 AAUD, 149
 DAUD, 153
base station colour code, 14, 76
BCC (Base Station Colour Code), 14, 76
BCH number, 15
Bit Error Setup, 150
 GPRS, 164

BLER

data connection type, 26
BLER (Block Error Rate), 86
BLER Block Polling Interval, 26
BLER, payload pattern, 26
Block Delay, 151, 152, 162, 164
Block Error Setup
 GPRS, 151, 152, 162
Broadcast Chan, 15
Burst Synchronization
 PFER, 180
Burst Timing Error
 GPRS, 86
 GSM, 85

C

calibrate IQ modulators, 11
calibration date, querying, 11
CALL
 CPNumber, 22
 SMS, 80
call connected query, 18
call state detector, 18, 24
Call Status, 85
Cell Band, 14
Cell Info
 Cell Parameters, 14, 27, 28, 39, 58, 76
Cell Parameters, 14, 27, 28, 39, 58, 76
 BCC (Base Station Colour Code), 14
 LAC (Local Area Code), 27
 MCC (Mobile Country Code), 27
 MNC (Mobile Network Code), 28
 for PCS band, 58
 NCC (Network Colour Code), 39
 RAC (Routing Area Code), 76
Cell Power, 59
Cell Power State, 59
Coding Scheme, 45
Connection Parameters
 Uplink State Flag, 56
Corrupted Bursts, 13, 27, 98
Counters, 21
CPNumber, 22
Custom Mask Setup
 PVT, 183

D

Data Conn Type, 26
data connected query, GPRS, 24
data connection state
 attached, 13, 27
 transferring, 98
Data Connection Status, 85

Data Connection Type, 26
Date (yyyy.mm.dd), 212, 213
date of calibration, querying, 11
Decode Errors, 13, 27, 98
Decoded Audio Setup, 153
Deferred Parameters, setup, 77
DELETE hardkey, 214
Detach mobile, 26
Device to Ping, 23
discontinuance reception mode, 41
Display mode, 107
Downlink Traffic Power, 55
DRX, 41
DUT IP RX Bytes, 21
DUT IP RX Packets, 21
DUT IP TX Bytes, 21
DUT IP TX Packets, 21
dynamic power setup, 154, 155

E

EGPRS
 Modulation Coding Scheme, 52
End Call, 24
End Data Connection, 26
error vector magnitude results, 120
Estimated Carrier Power State
 ETXP, 159
ETSI Type A, data connection type, 26
ETSI Type B, data connection type, 26
ETSI Type B, payload pattern, 26
ETX Power Setup, 159
Expected Audio Amplitude, 148
Expected Burst, 18
Expected Maximum Difference
 Dynamic Power, 154, 155
Expected Peak Audio Amplitude, 148
Expected Power, 146
Expected Power Control (receiver control), 146
External trigger Bit Position, 213
External trigger state, 213
External trigger Timeslot, 213
External Trigger Type, 99

F

fast bit error results, 125
FBER Setup, 161
First Burst to Loop, GPRS, 53
Fixed Allocation, 56
FM Demodulation Setup
 Bandpass Filter State, 210
 Deemphasis State, 210

Index

- Expandor State, 210
- for call connection, 18, 24
- Freq Error (Hz)
 - Minimum, Maximum, Average, 126
- Frequency, 11
 - frequency stability, 126
- Frequency (kHz)
 - Minimum, Maximum, Average, 126
- Frequency Error, 126
- frequency error results, 133
- Frequency Stability
 - Frequency, 126
 - Frequency Error, 126
 - integrity, 126
 - intermediate count, 126
 - Worst Frequency Error, 126
- Frequency Stability Setup
 - Measurement Timeout, 163
 - Multi-Measurement Count, 163
 - Trigger Arm, 163
- G**
- Get IMEI at Call Setup, 27
- GMM/SM, 57
- gotolink SEL, 7
- GPRS Bit Error Setup, 164
- GPRS Block Error Setup, 151, 152, 162
- GSM_L3, 57
- H**
- Handover Execute, 27
- Handover Setup
 - Modulation Coding Scheme, 77
 - Uplink State Flag, 78
- Handover Setup, GPRS, 77
- handover, making a, 27
- HP-IB Address, 210
- I**
- I/Q Tuning Setup, 166
- Idle logging status, 57
- IMEI, 27
- initiate measurements, 141
- integrity
 - frequency stability, 126
- intermediate count
 - frequency stability, 126
- IP, 57
- IP Data, data connection type, 26
- IQ Tuning results, 128
- L**
- L1_Interface, 57
- LAC (Local Area Code), 27
- LAC (Location Area Code), 27
- LAN IP Address, 210
- LLC, 57
- LLC Frame Check Sequence, 26
- location area code, 27
- Logging
 - Active, 57
 - Idle, 57
- M**
- Manual Band, 146
- Manual Channel, 146
- Manual Frequency, 146
- Mask Type
 - PVT, 185
- Max Frames Allowed for
 - Assignment, 13, 27, 98
- MCC (Mobile Country Code), 27
- Measurement Frequency
 - Auto (receiver control), 146
 - manual (receiver control), 146
- Measurement Log, 212
- Measurement Offsets
 - PVT, 186
 - PVT, GPRS, 186
- Measurement Timeout
 - AAUD, 148
 - BERR, 150
 - BLER, 151, 152, 162
 - DAUD, 153
 - Dynamic Power, 154, 155
 - ETXP, 159
 - FBER, 161
 - frequency stability, 163
 - GBER, 164
 - I/Q Tuning, 166
 - ORFS, 177
 - PFRF, 181
 - PVT, 186
 - TXP, 191
- Measurement Type, 150
- Measurement Unit, 117
- measurements
 - initiate, 141
 - starting, 141
 - stopping, 10
- Missing Bursts, 13, 27, 98
- MNC (Mobile Network Code), 28
 - for PCS band, 58
- mobile country code, 27
- Mobile Loopback, 91
- mobile network code, 28
- modulation accuracy (EVM)
 - results, 120
- Modulation Coding Scheme
 - Handover Setup, 77
- Modulation Coding Scheme,
 - EGPRS, 52
- Modulation Format
 - ETXP, 159
- MS TX Level, GPRS, 53
- Multi-Measurement Count
 - ETXP, 159
 - frequency stability, 163
 - I/Q Tuning, 166
 - PFRF, 180
 - PVT, 183
 - TXP, 191
- Multi-Measurement Count (Switching)
 - ORFS, 174
- Multi-measurement Count
 - Decoded Audio, 153
- Multislot Configuration, 53
- N**
- NCC (Network Colour Code), 39
 - network colour code, 39
- Number of bits to test
 - BERR, 150, 164
 - BLER, 151, 152, 162
 - FBER, 161
- Number of Bursts
 - Dynamic Power, 154, 155
- O**
- Observation Points
 - GMM/SM, 57
 - GSM_L3, 57
 - IP, 57
 - L1_Interface, 57
 - LLC, 57
 - RLC/MAC, 57
 - SNDCP, 57
- Operating Mode, 39
- ORFS results, 130
- Originate Call, 40
- P**
- Packet Data Traffic Channel, 45
- Packet Loss, 23
- Packet Power Timing Advance,
 - 54, 55
- Packet Timeslot Reconfigure, 55
- Packets Received, 23
- Packets Transmitted, 23
- Pages, 13, 27, 98
- paging
 - IMSI, 41
 - mode, 41
 - multiframes, 41
 - repeat, 41

Index

- Paging IMSI, 41
Payload Pattern, 26
PDTCH
 Absolute Downlink Power, 55
 ARFCN, 45
 Band, 45
 downlink power control, 55
 MS TX Level, 53
 P0 reference level, 55
PDTCH Protocol Control
 Packet Power Timing Advance, 54
Phase & Freq Setup, 180
phase and frequency error results, 133
Ping, 23
Ping Count, 23
Ping Setup
 Alternate Ping Address, 23
 Device to Ping, 23
 Ping Count, 23
 Ping Timeout, 23
Ping Timeout, 23
Power Reduction Level One (PRL One), 55
Power Reduction Level Two (PRL Two), 55
Power Reduction Level Unused Bursts, 55
power versus time results
 GPRS, 137
 GSM, 135
 mask error code for GPRS, 136
Power vs Time Measurement Setup, 183
preset, 201
Protocol Logging, 57
Pulse, 11
- R**
RAC (Routing Area Code), 76
RACHs, 13, 27, 98
reading results, 143
Receiver Control, 146
 Expected Power Control, 146
 Measurement Frequency
 Auto, 146
 manual, 146
 Uplink Frequency
 Auto, 146
 manual, 146
Receiver Control, GPRS, 146
Reference Offset Frequency
 I/Q Tuning, 166
Register recall hardkey, 214
Repeat Paging, 41
results
- fast bit error, 125
GPRS power versus time, 137
GSM power versus time, 135
IQ Tuning, 128
modulation accuracy (EVM), 120
ORFS, 130
phase and frequency error, 133
READ, 143
transmit power, 124, 140
Rev. License, 209
RF Gen Freq, 147
RF generator, 76
RF generator calibration, 11
RLC/MAC, 57
RLC/MAC Header, GPRS, 44
Round Trip (ms) min/avg/max, 23
- S**
SAVE hardkey, 214
setup
 analog audio, 148
 dynamic power, 154, 155
SMS, 80
SNDP, 57
Speech, 91
Speech Frames Delay, 150
Start Data Connection, 26
Start Logging, 57
start measurements, 141
Start Ping, 23
status byte, 208
status operation subsystem, 193
Stop Logging, 57
stop measurements, 10
Stop Ping, 23
Summary Results
 Packet Loss, 23
 Packets Received, 23
 Packets Transmitted, 23
 Round Trip (ms) min/avg/max, 23
Switching Offset
 ORFS, 174
synchronization, 18
- T**
TBF Frame Starting Position, 26
TDMA Frames Delay, 161
Test Function, 25
test modes, setting, 39
Test Set Initiated Detach, 26
Time (hh.mm), 215
Time Offset
 PVT, 186
Time Offset for each burst
 PVT, GPRS, 186
Time Zone (hh.mm), 215
timeout, 18, 24
 for call connection, 18
 for data connection, 24
Timeslot, 91
Traffic Band, 89
Traffic Band, GPRS, 45
Traffic Channel, 88
Traffic Channel, GPRS, 45
Transferring state, 98
transmit power results, 124, 140
Trigger Arm
 AAUD, 148
 BERR, 150, 164
 BLER, 151, 152, 162
 DAUD, 153
 ETXP, 159
 FBER, 161
 frequency stabilitiy, 163
 I/Q Tuning, 166
 ORFS, 173
 PFER, 181
 PVT, 183
 TXP, 191
Trigger Delay
 ETXP, 160
 I/Q Tuning, 166
 ORFS, 177
 TXP, 192
Trigger Qualifier
 ETXP, 160
 PFER, 182
 TXP, 192
Trigger Source
 ETXP, 160
 I/Q Tuning, 166
 ORFS, 177
 PFER, 182
 TXP, 192
triggering, 152
TX Power Setup, 191
- U**
Universal Coordinated Time (UTC), 215
Universal Coordinated Time (UTC) Date, 215
Uplink Frequency
 Auto (receiver control), 146
 manual (receiver control), 146
Uplink State Flag
 Connection Parameters, 56
 Handover Setup, 78
Use 3 Digit MNC for PCS 1900, 58
- W**
Worst Frequency Error, 126

Index

Z

Zero Bad Blocks, 164