

GPIB Command Syntax

for

GSM/GPRS/EGPRS Mobile Test Application E1968A Revision A.06.40

**GSM/GPRS Lab Application E6701D/E (including E6704A EGPRS)
Revision D.03.40/E.00**

**GSM/GPRS Special Lab Application E6701T (including E6704A EGPRS)
Revision T.00**

1000-1924

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www.agilent.com/find/E1968A
www.agilent.com/find/E6701D
www.agilent.com/find/E6701E
www.agilent.com/find/E6701T
www.agilent.com/find/E6704A



NOTE: *This guide is applicable to the E6701T, however there are a few exceptions which can be found in the Online User's guide available at <http://wireless.agilent.com/rfcomms/refdocs/gsmgprs/default.php>*

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GPIB Syntax for E1968A, E6701D/E/T, and E6704A

Description

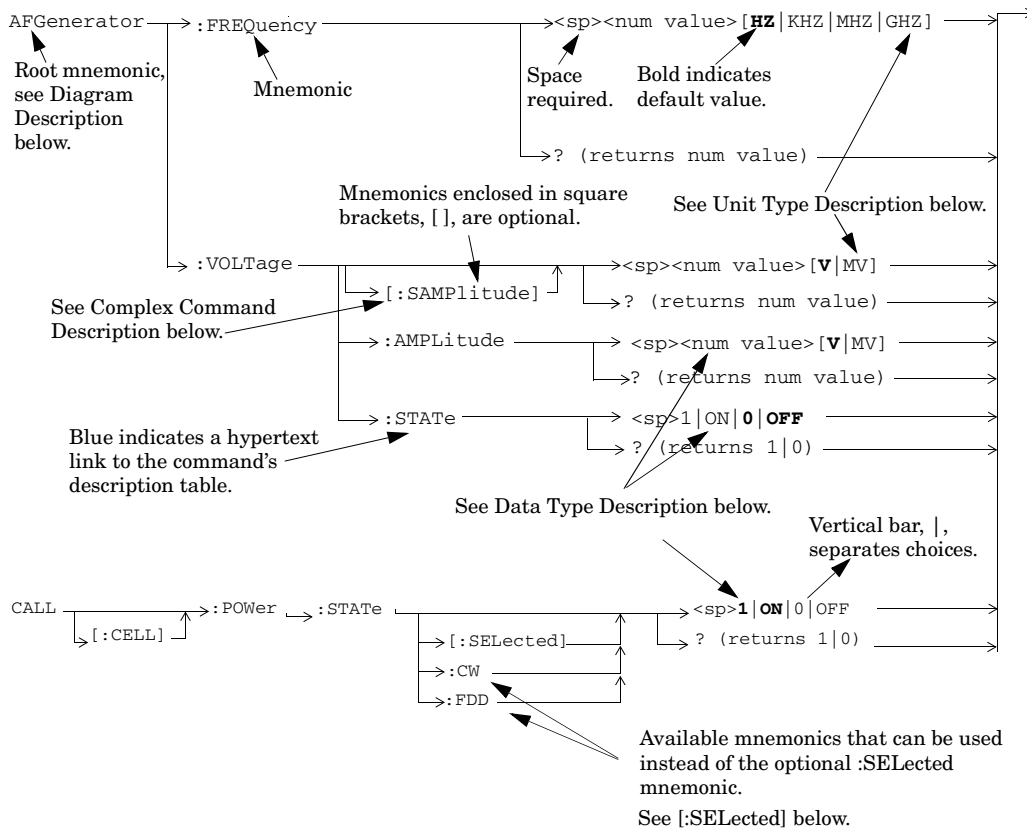


Diagram Description

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

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 '11111111111' 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:GPIB: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	

[[:SElected] Mnemonic

The [[:SElected] 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 [[:SElected] mnemonic to configure a setting that is not the currently selected configuration on the test set. The mnemonics that can replace the [[:SElected] mnemonic are listed in parentheses separated by vertical bars (|) in the description table title. An example of a command that contains the [[:SElected] mnemonic is shown in the following table.

CALL[:CELL]:POWER:AMPLitude[:SElected]		Available mnemonics that can be use instead of the optional [[:SElected] 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 [[:SElected] 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 	

ABORt

ABORt	↳ [:ALL]	↳
	↳ :AAUDio [°]	↳
	↳ :BERRor ^{°+}	↳
	↳ :BFINDication BFI [#]	↳
	↳ :BLERRor [*]	↳
	↳ :DAUDio ^{°+}	↳
	↳ :DPOWER ⁺	↳
	↳ :EDPower [°]	↳
	↳ :EMACcuracy [°]	↳
	↳ :ETXPower [°]	↳
	↳ :FBERRor ^{°+}	↳
	↳ :FSTability	↳
	↳ :GBERRor [*]	↳
	↳ :IFERRor [#]	↳
	↳ :IQTuning	↳
	↳ :MTAudio	↳
	↳ :ORFSpectrum	↳
	↳ :PCALibration	↳
	↳ :PFERRor	↳
	↳ :PVTime	↳
	↳ :SBERRor [°]	↳
	↳ :SMONitor	↳
	↳ :TXPower ⁺	↳

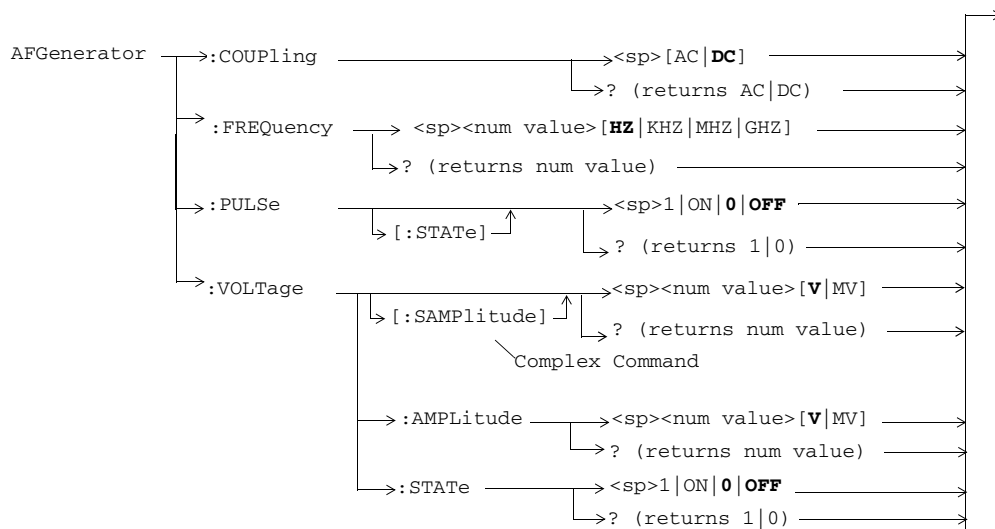
* Not applicable to GSM.

° Not applicable to GPRS.

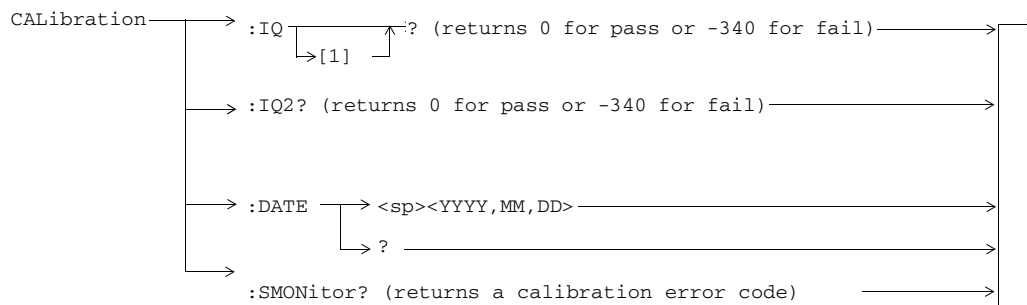
+ Not applicable to EGPRS.

Only applicable to the GSM/GPRS lab application.

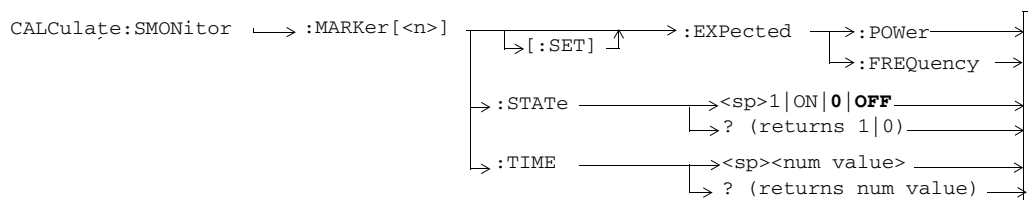
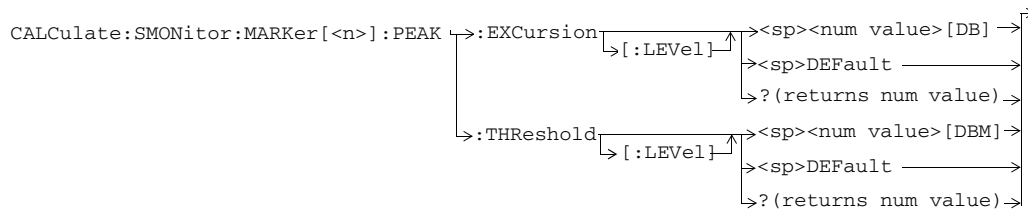
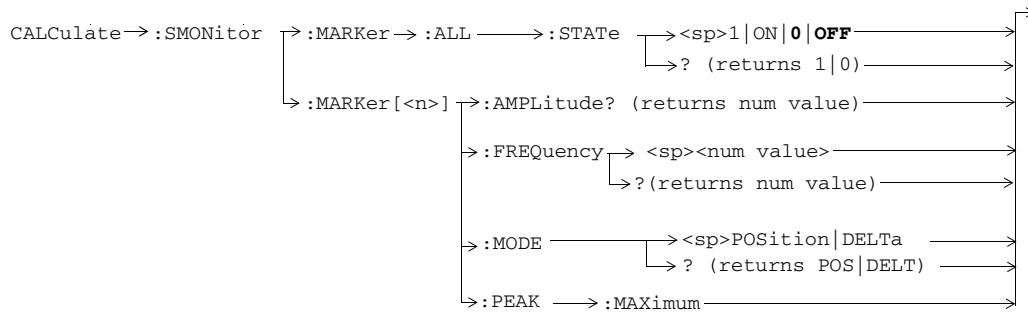
AFGenerator



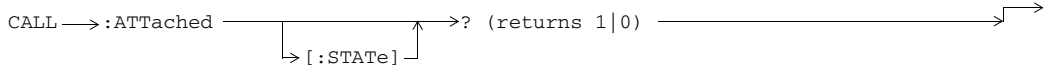
CALibration



CALCulate:SMONitor

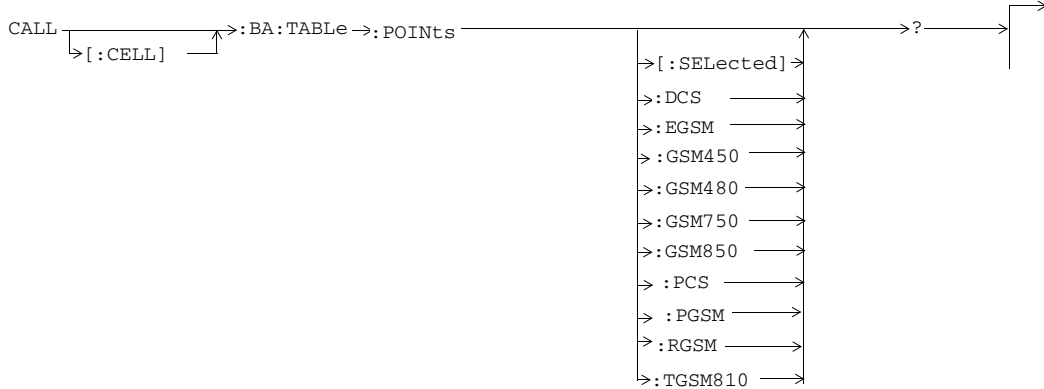
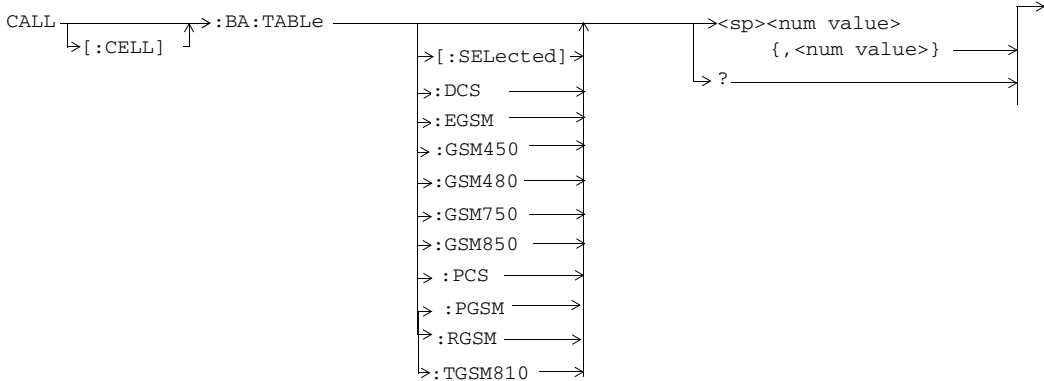


CALL:ATTached

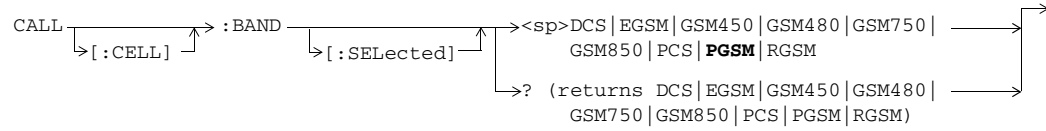


This diagram is not applicable to GSM.

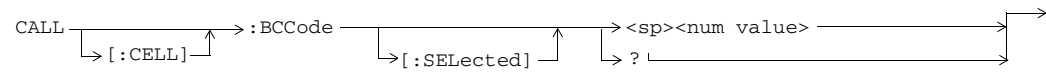
CALL:BA



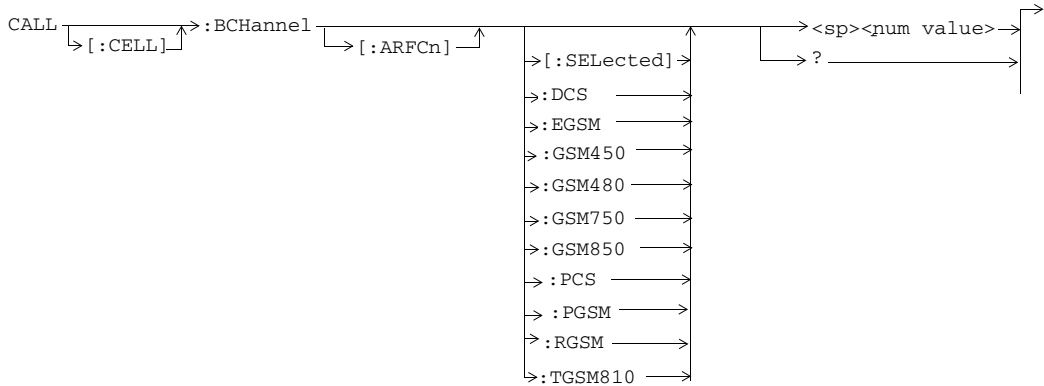
CALL:BAND



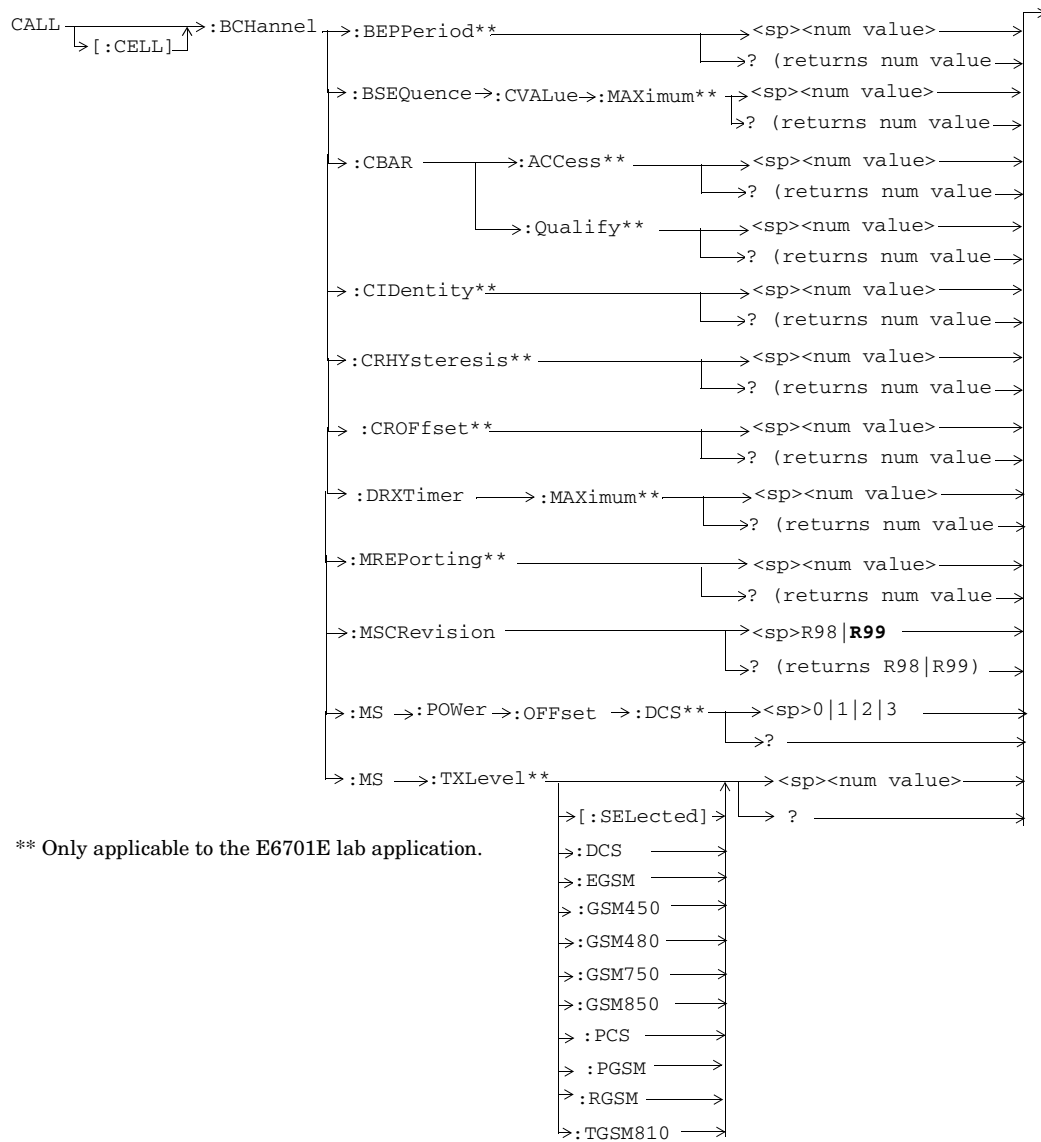
CALL:BCCode

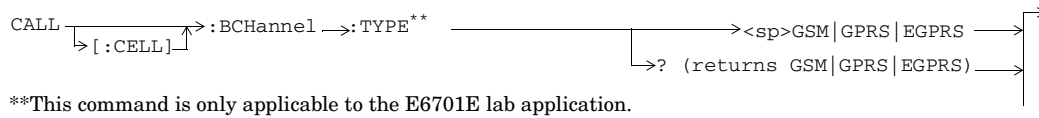
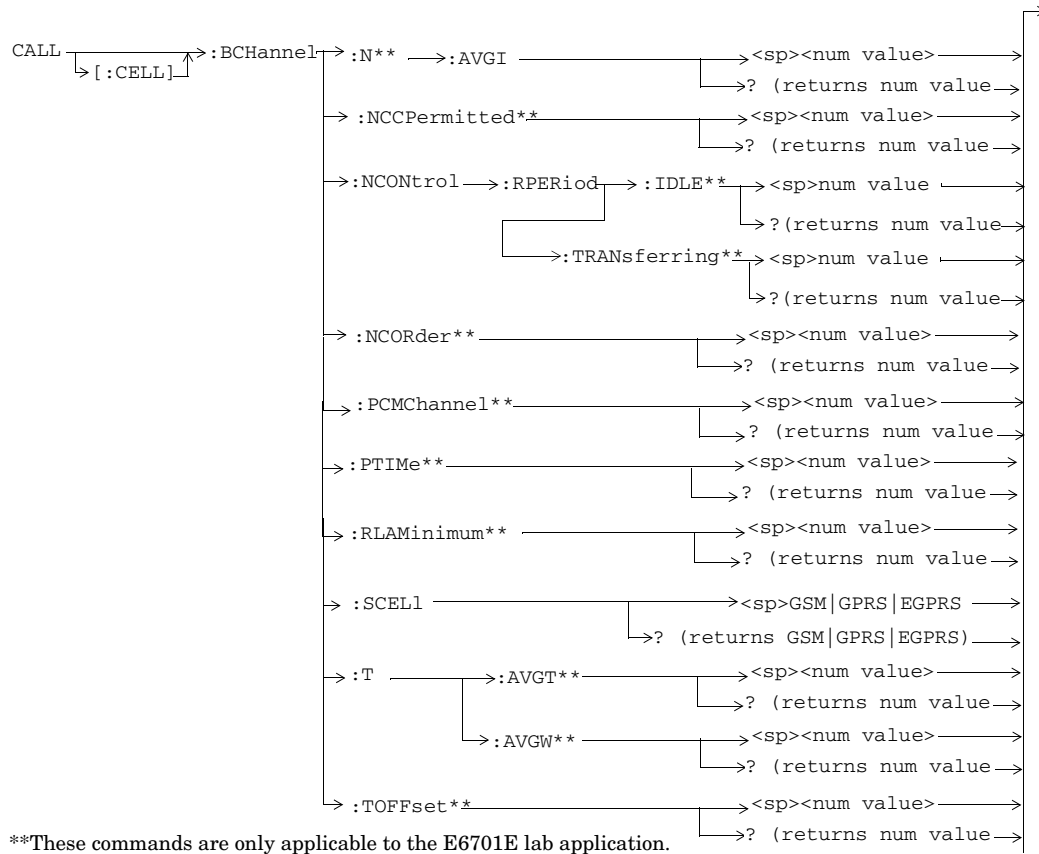


CALL:BCHannel

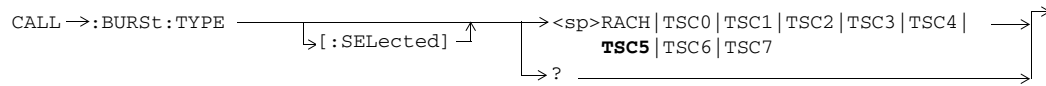


GPIB Syntax for E1968A, E6701D/E/T, and E6704A

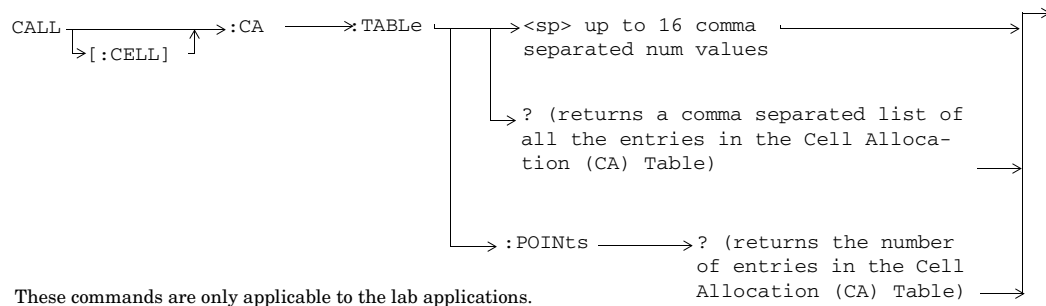




CALL:BURSt

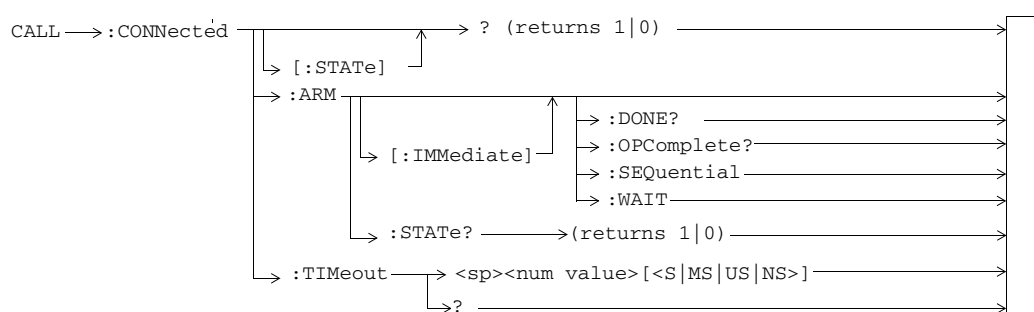


CALL:CA



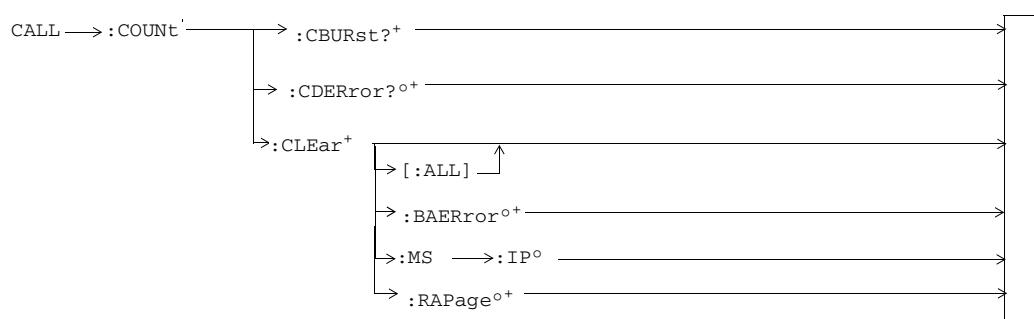
These commands are only applicable to the lab applications.

CALL:CONNECTed



These commands are not applicable to GPRS.

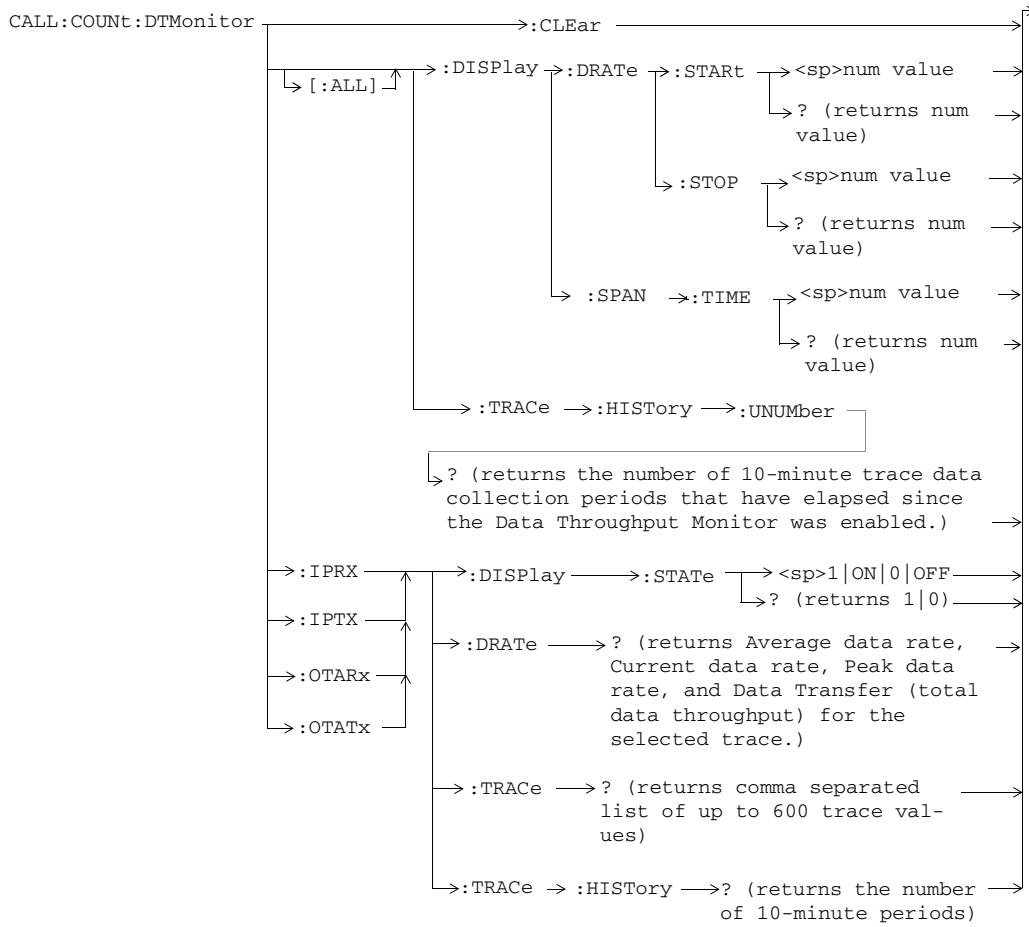
CALL:COUNT



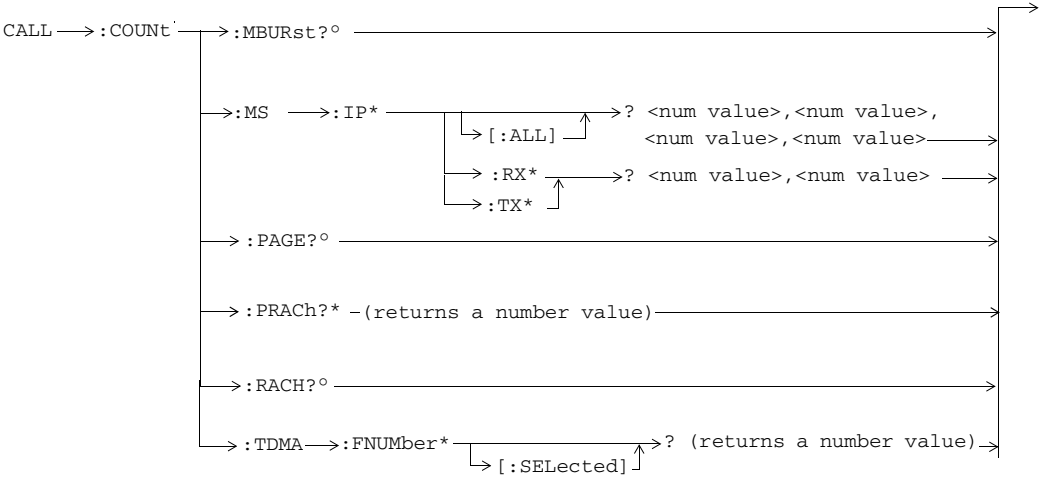
+These commands are only applicable to the test applications.

°These commands are only applicable to the lab applications.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A



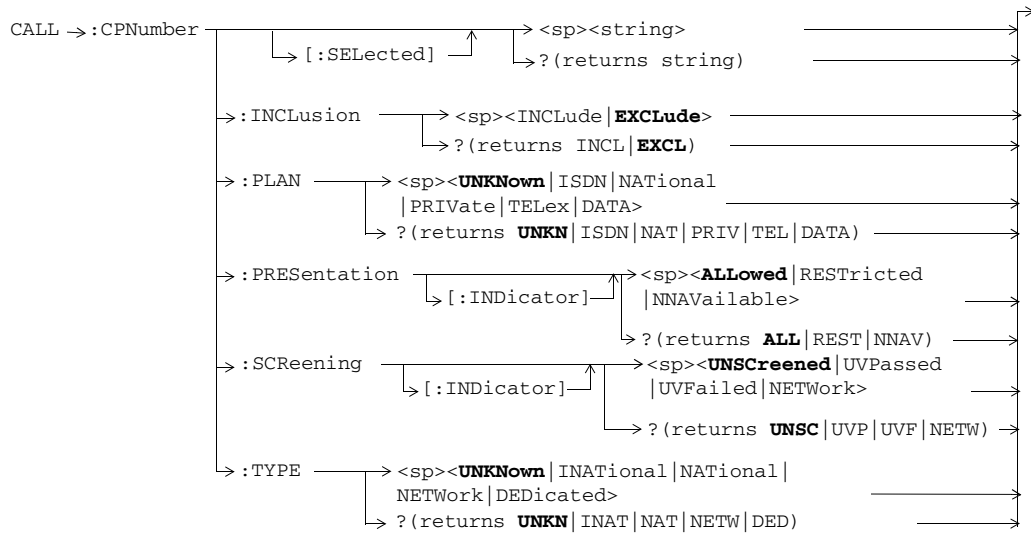
All commands shown in this diagram are only applicable to the lab application.



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

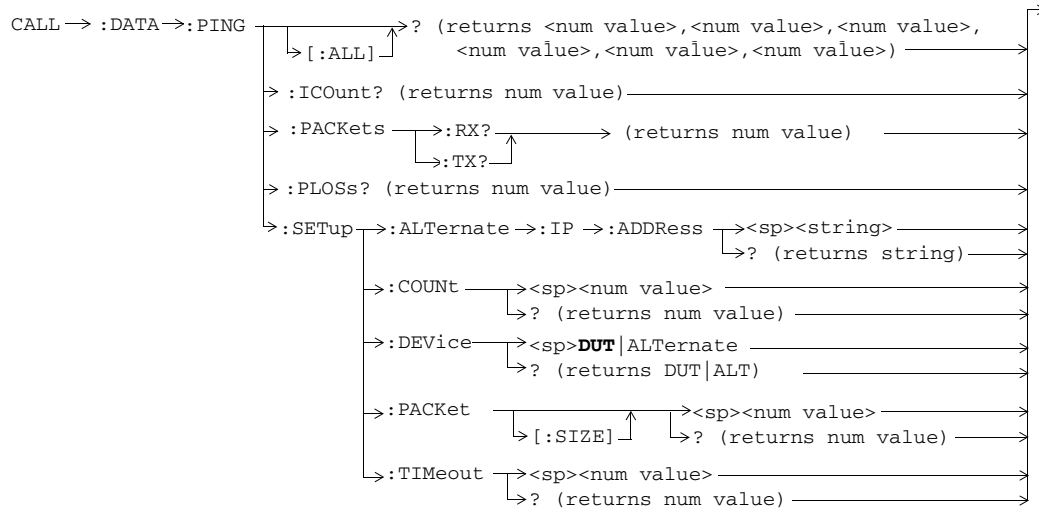
°These commands are only applicable to the GPRS lab application.

CALL:CPNumber

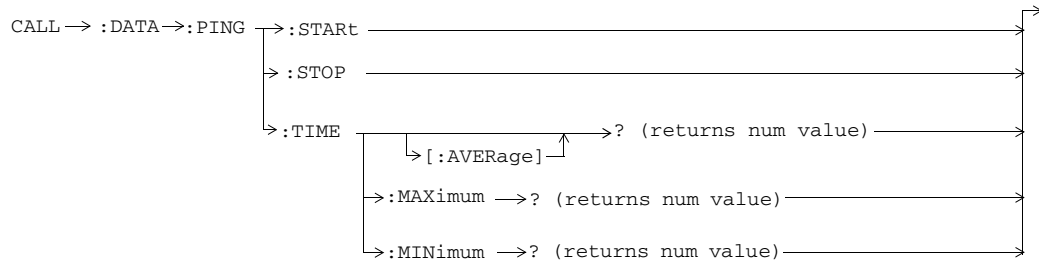


These commands are only applicable to the lab application.

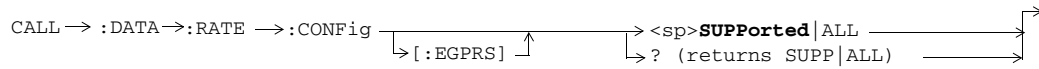
CALL:DATA



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

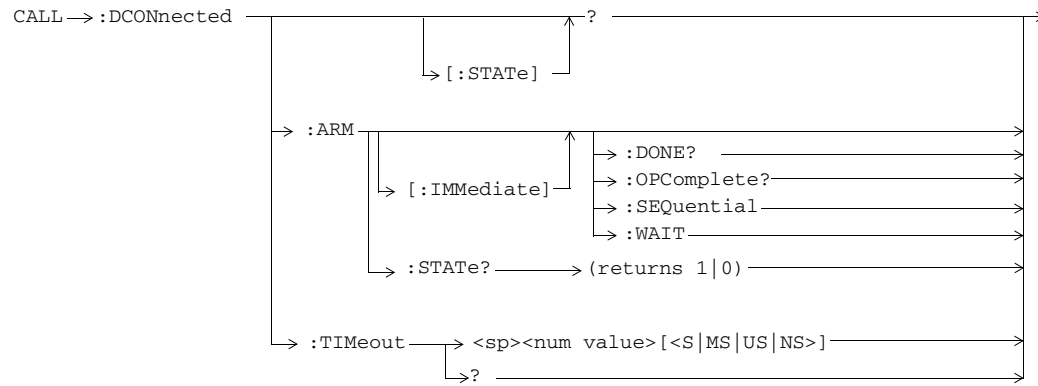


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



This command is only applicable to EGPRS.

CALL:DCONnected



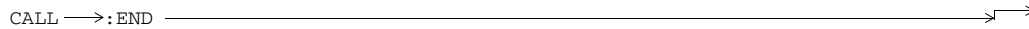
These commands are not applicable to the GSM TA.

CALL:DEModulation



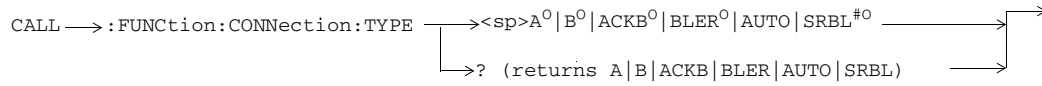
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:END

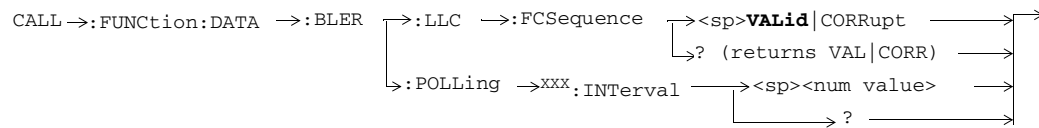


This command is not applicable to the GPRS TA.

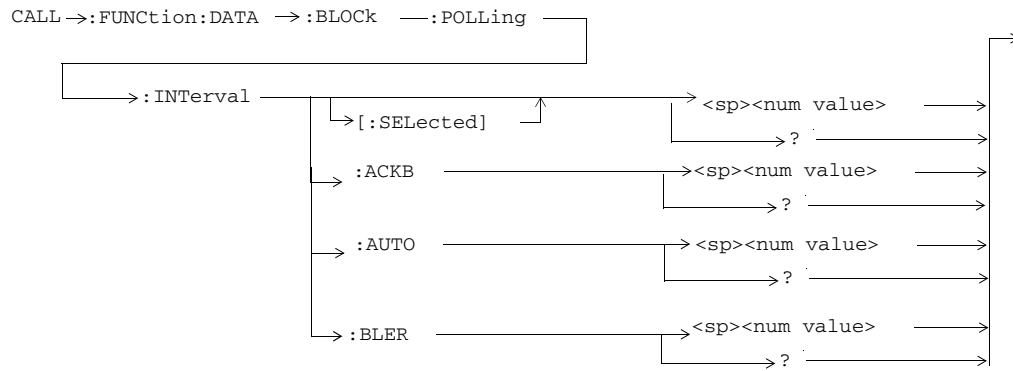
CALL:FUNCTION



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

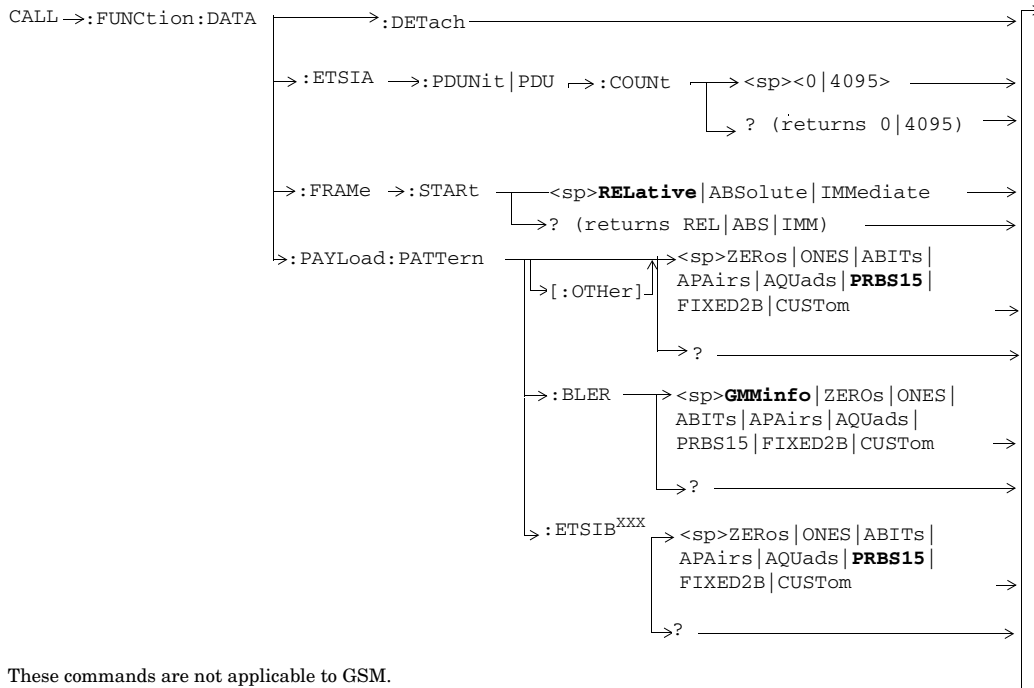


These commands are not applicable to GSM.
 XXX This command is obsolete.

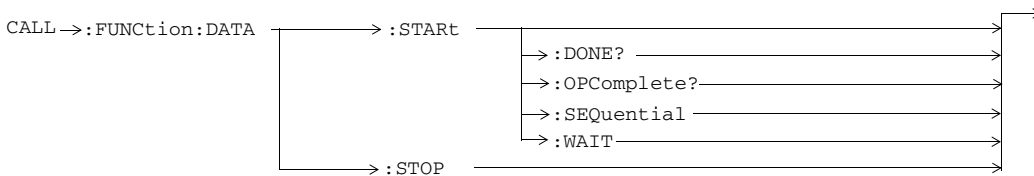


These commands are not applicable to GSM.

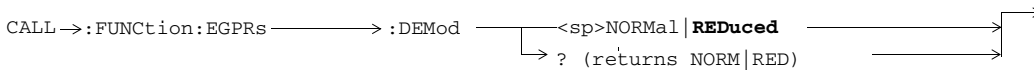
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



These commands are not applicable to GSM.

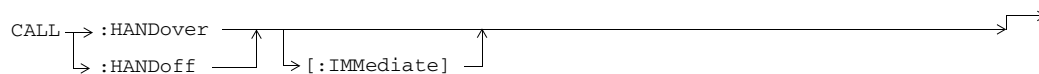


These commands are not applicable to GSM.

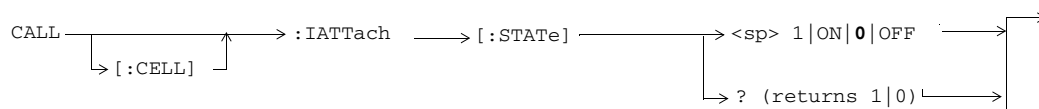


This command is only applicable to the EGPRS TA.

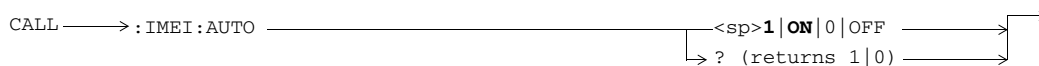
CALL:HANdOver | HANdOff



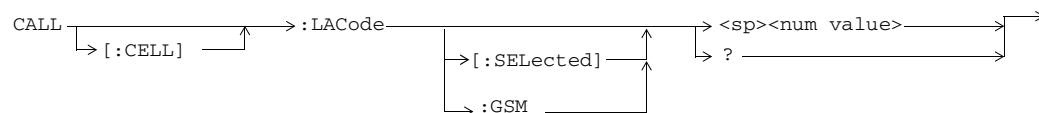
CALL:IATtach



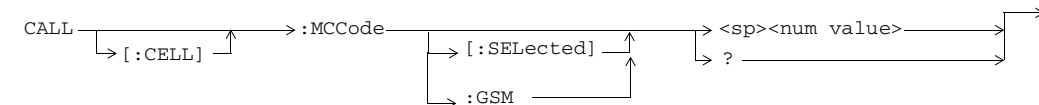
CALL:IMEI



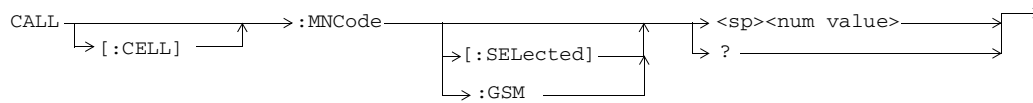
CALL:LACode



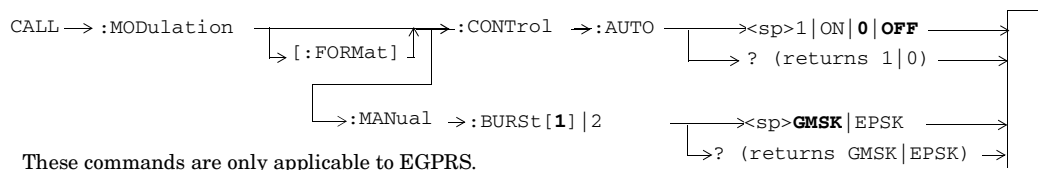
CALL:MCCode



CALL:MNCode

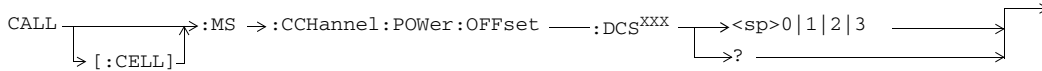


CALL:MODulation

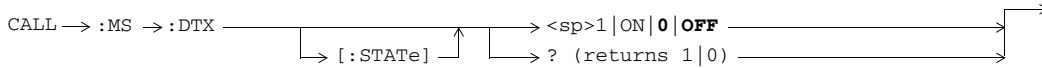


These commands are only applicable to EGPRS.

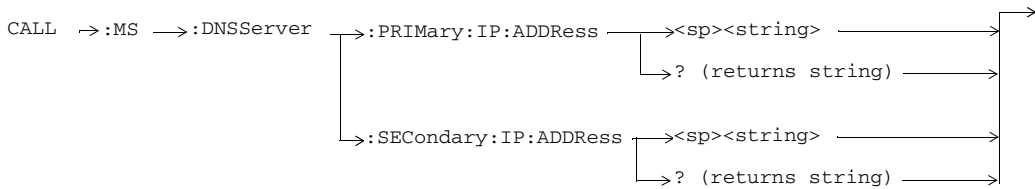
CALL:MS



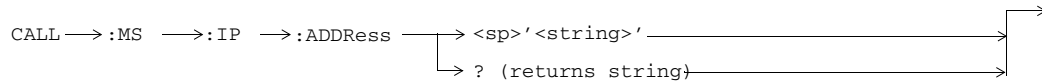
XXX This command is obsolete.



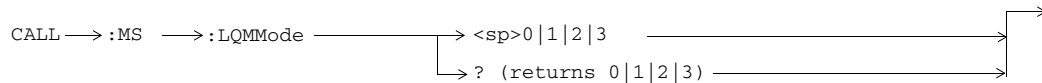
This command is only applicable to GSM.



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.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A

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

Diagram: A horizontal line represents the command sequence. A bracket below the line indicates an optional parameter `[:STATe]`. Another bracket below the line indicates a query character `?` followed by the return values `(returns 1 | 0)`.

This command is *not* applicable to GSM.

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

Diagram: A horizontal line represents the command sequence. A bracket below the line indicates an optional parameter `[:STATe]`. Three branches lead to: `:CVARiance:<[AVERage] | MAXimum | MINimum>XXX → ? (returns num value)`, `:MEAN:<[AVERage] | MAXimum | MINimumXXX → ? (returns num value)`, and `:TSLotn:<[AVERage] | MAXimum | MINimum>XXX → ? (returns num value)`.

These commands are only applicable to EGPRS.

^{XXX}These commands are obsolete.

CALL → :MS → :.REPorted → :CLEar

Diagram: A horizontal line represents the command sequence.

This command is not applicable to the GPRS test application.

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

Diagram: A horizontal line represents the command sequence. A bracket below the line indicates an optional parameter `[:ILEVel]`. A second branch leads to `:TSLot<n> → :AVERageXXX → ? (returns num value)`.

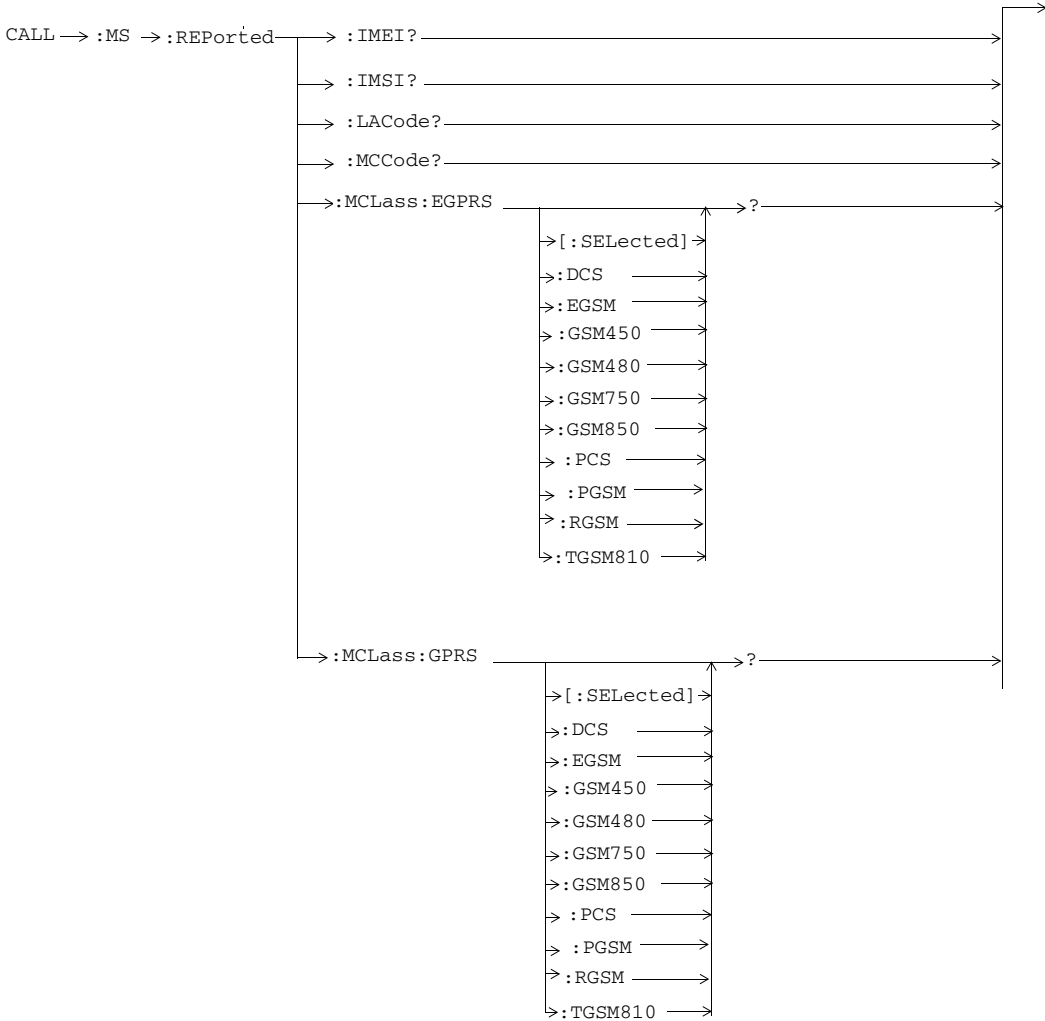
This commands apply only to the GSM/GPRS and EGPRS lab applications.

^{XXX}These commands are obsolete.

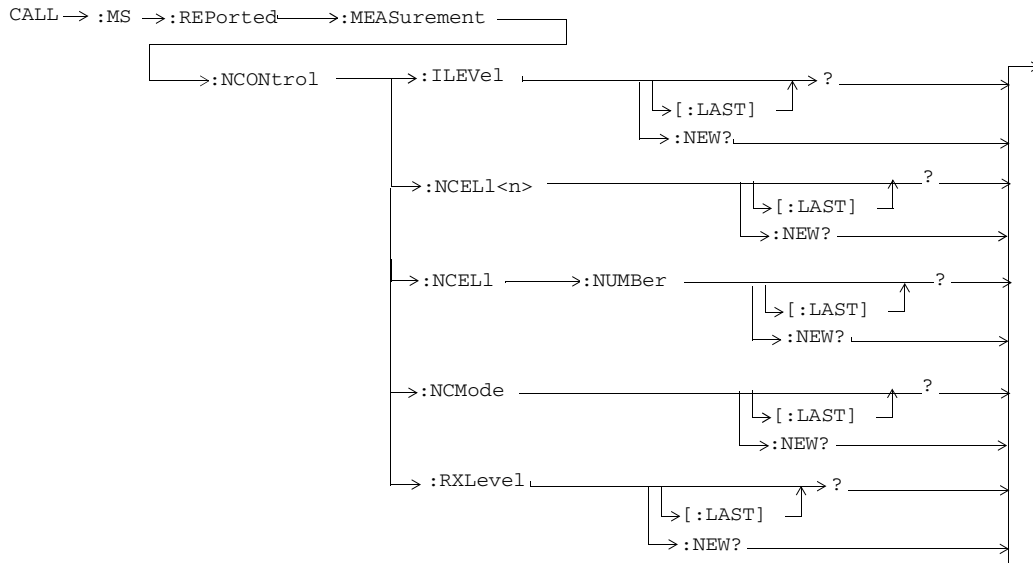
CALL → :MS → :.REPorted → :DTMClass → :EGPRS → ? (returns num value, num value)

Diagram: A horizontal line represents the command sequence. A bracket below the line indicates an optional parameter `[:GPRS]`.

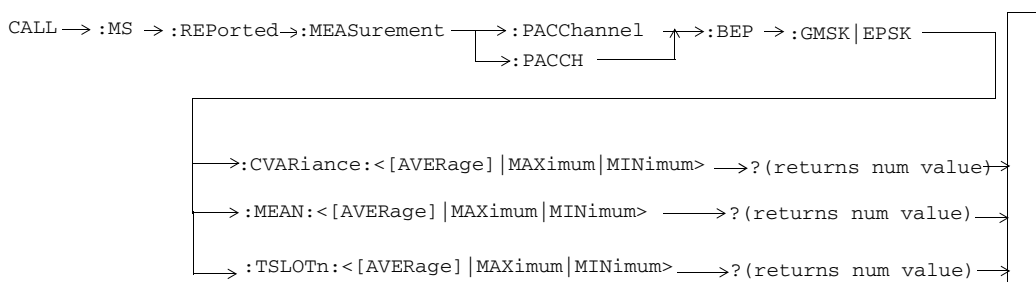
These commands apply only to the GSM/GPRS and EGPRS lab applications.



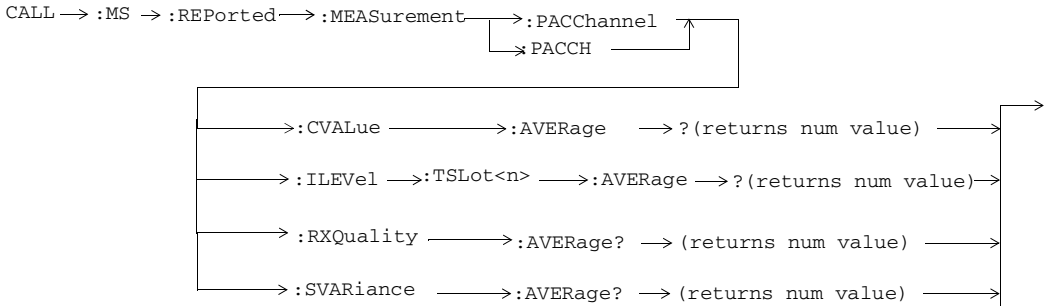
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



These commands are only applicable to the E6701E lab application.

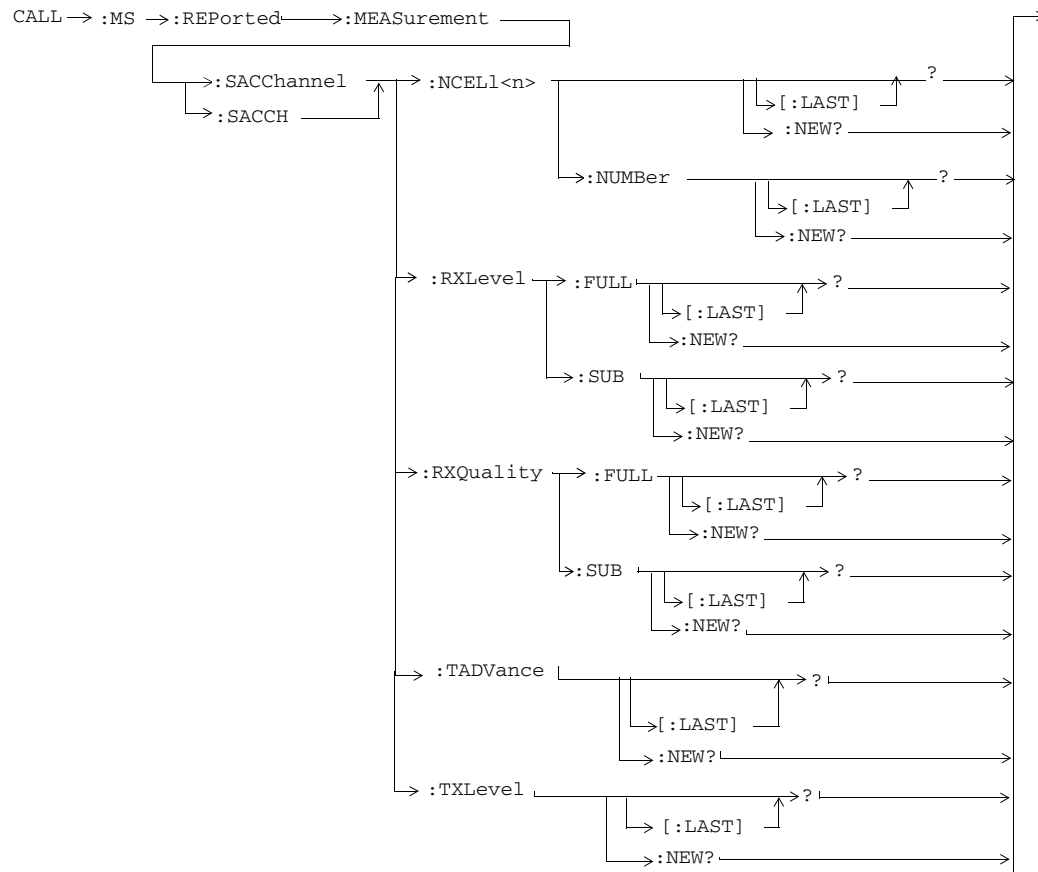


These commands are only applicable to E6701E/E6704A EGPRS lab application.

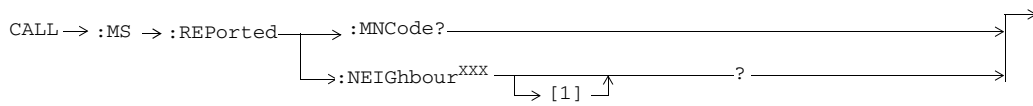


These commands are only applicable to the E6701E lab application.

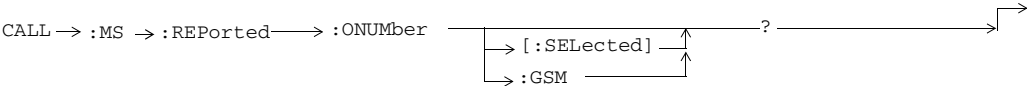
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



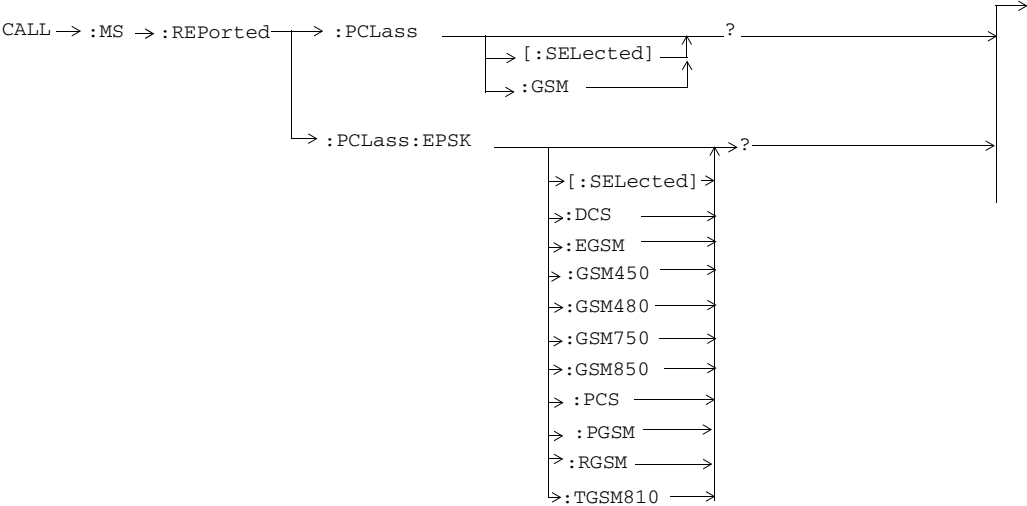
These commands are only applicable to the E6701E lab application.



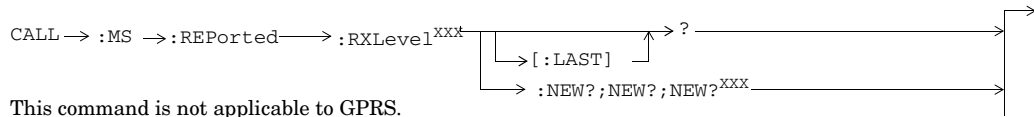
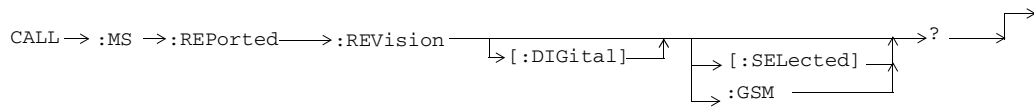
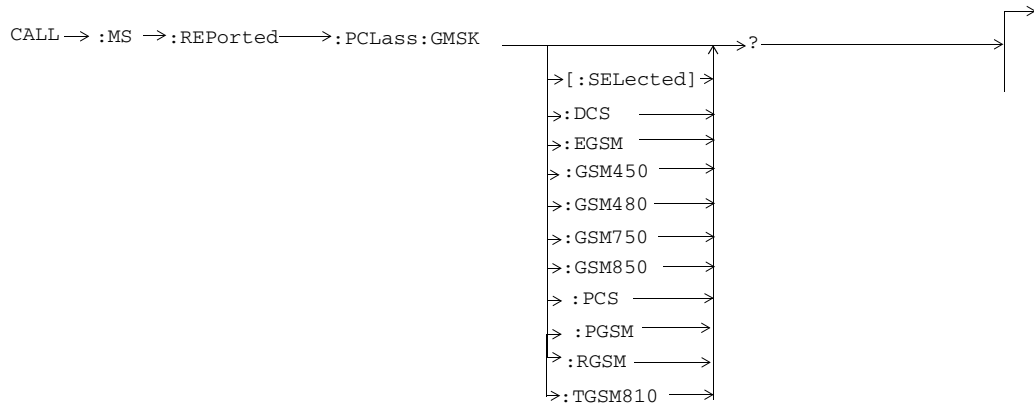
^{XXX}This command is obsolete.



This command is not applicable to GPRS.

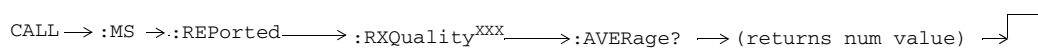


GPIB Syntax for E1968A, E6701D/E/T, and E6704A



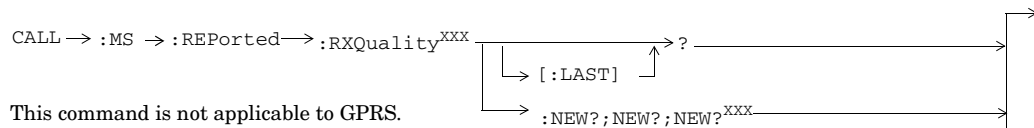
This command is not applicable to GPRS.

^{XXX}This command is obsolete.



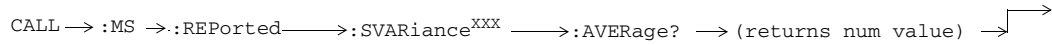
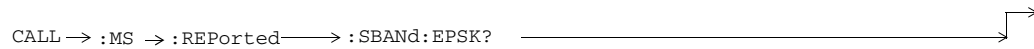
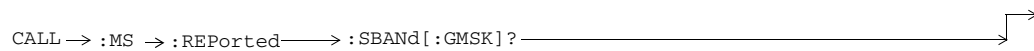
This command applies only to the GSM/GPRS and EGPRS lab applications.

^{XXX}This command is obsolete.



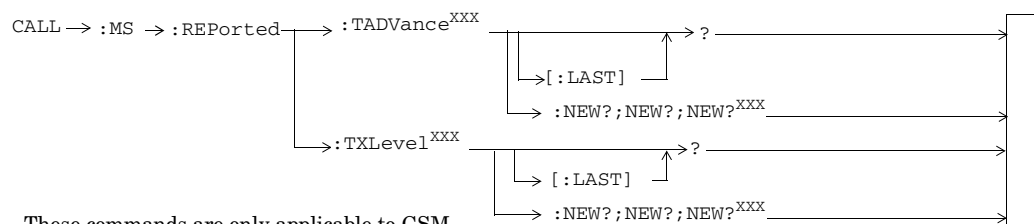
This command is not applicable to GPRS.

^{XXX} These commands are obsolete.



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

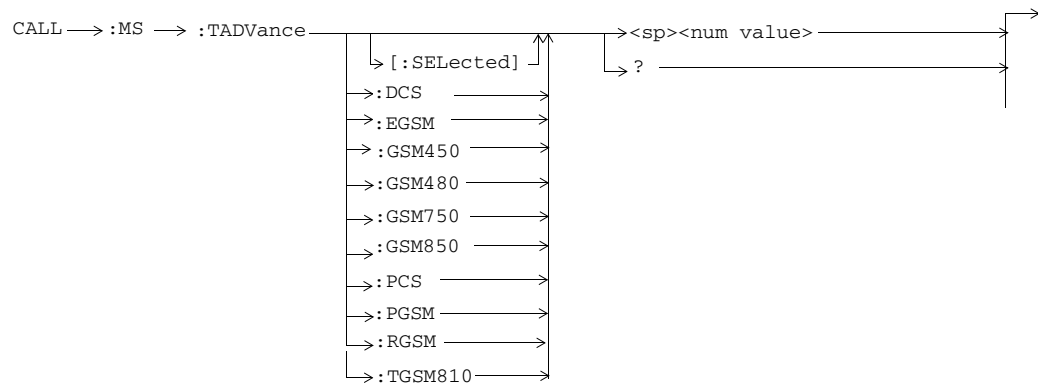
^{XXX} This command is obsolete.



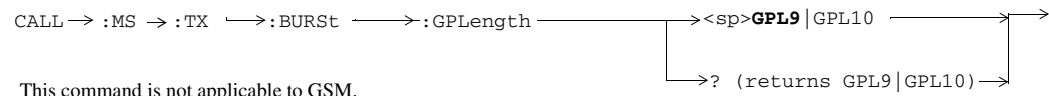
These commands are only applicable to GSM.

^{XXX} These commands are obsolete.

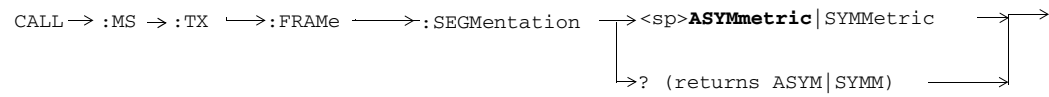
GPiB Syntax for E1968A, E6701D/E/T, and E6704A

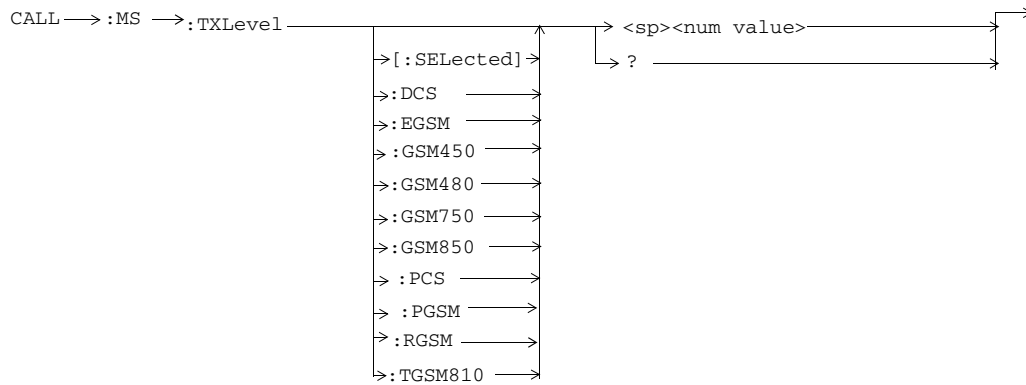


This command is not applicable to GPRS.

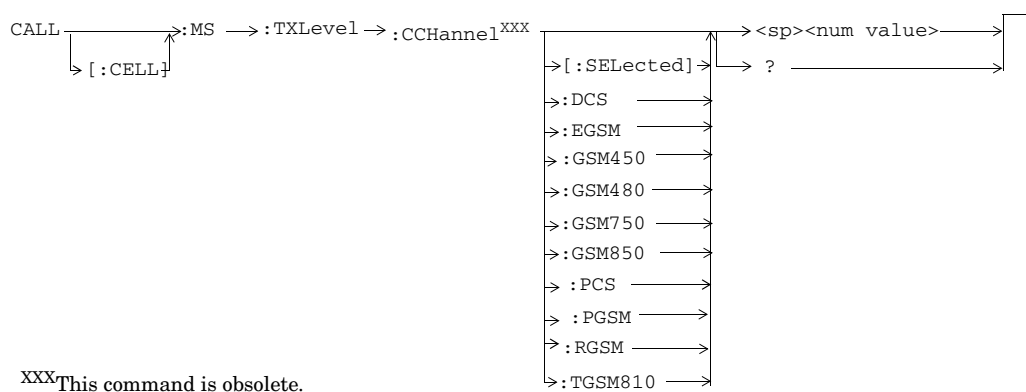


This command is not applicable to GSM.



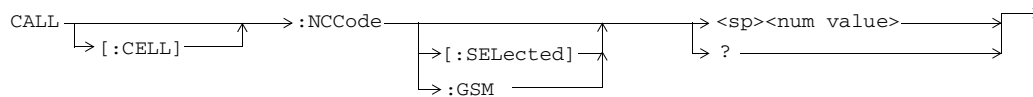


This command is not applicable to GPRS.

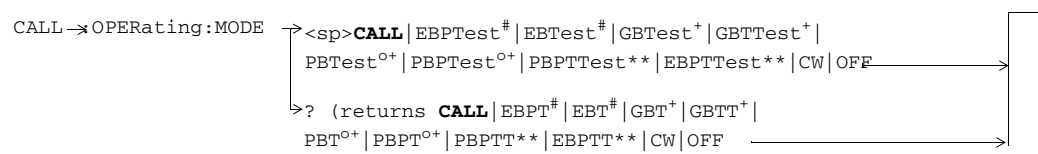


^{XXX}This command is obsolete.

CALL:NCCode



CALL:OPERating



Only applicable to EGPRS

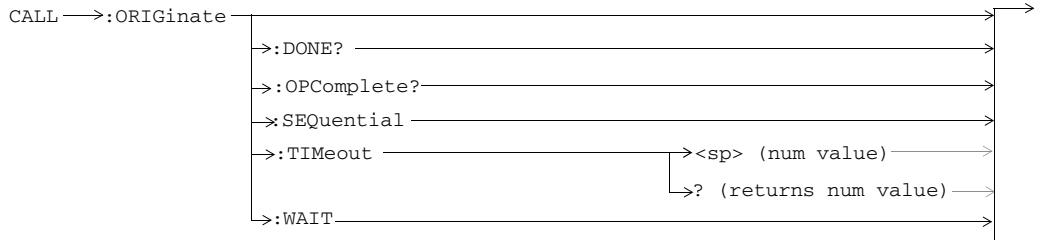
o Not applicable to GSM TA

+ Not applicable to EGPRS TA

* Only applicable to the Lab Applications.

** Only applicable to the E6701E lab application.

CALL:ORIGinate

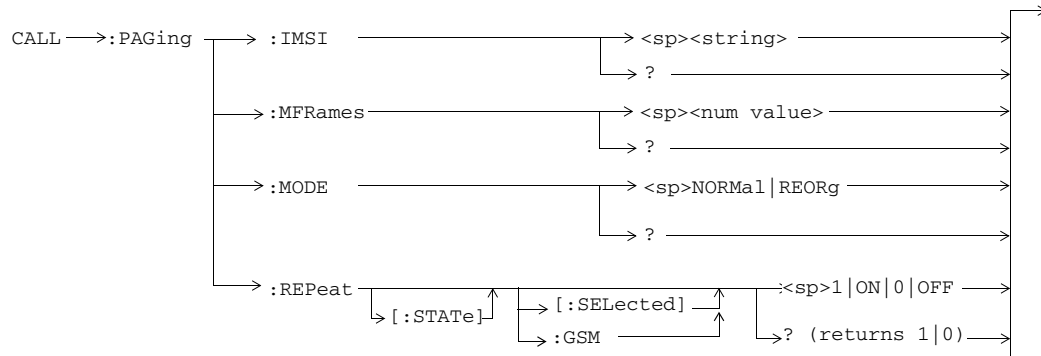
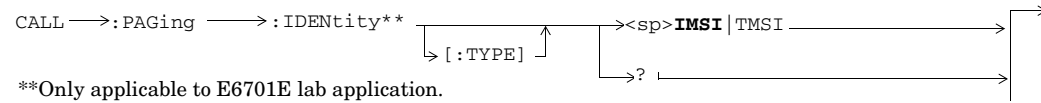


These commands are not applicable to the GPRS TA.

CALL:PACCH | PACChannel

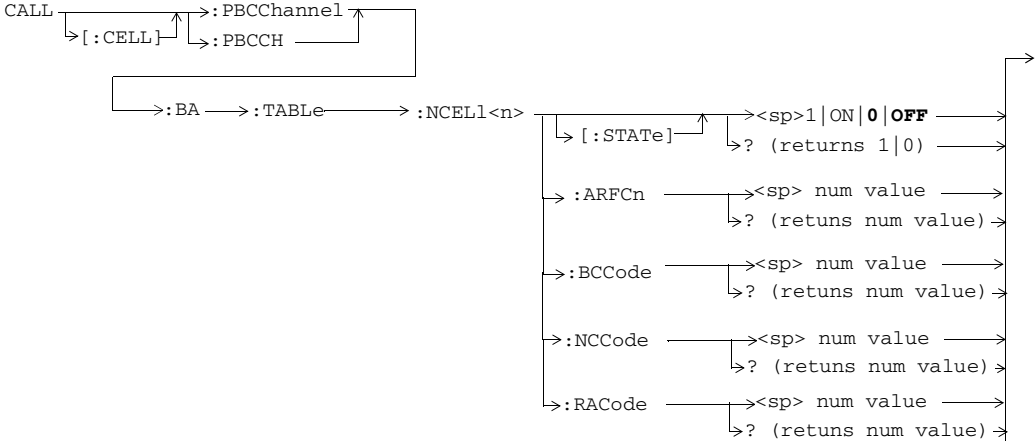


CALL:PAGing

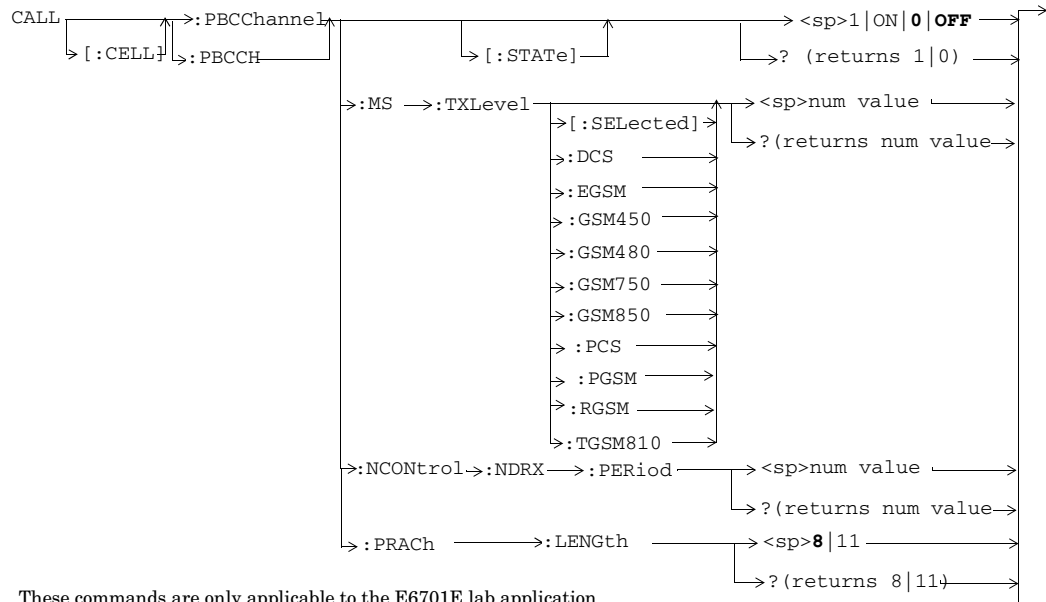


These commands are not applicable to the GPRS TA.

CALL:PBCCH|PBCChannel

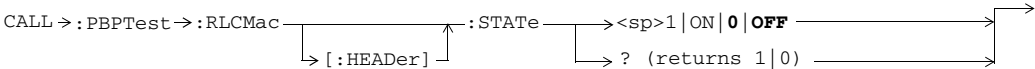


GPIB Syntax for E1968A, E6701D/E/T, and E6704A



These commands are only applicable to the E6701E lab application.

CALL:PBPTest

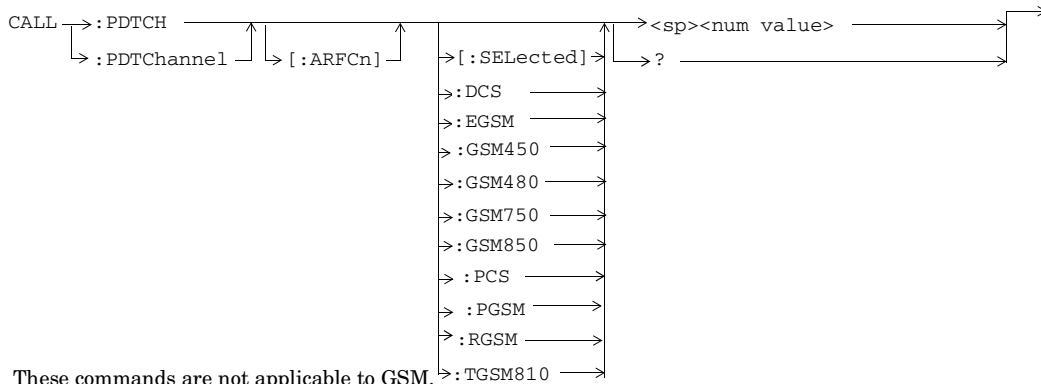


This command is not applicable to GSM.

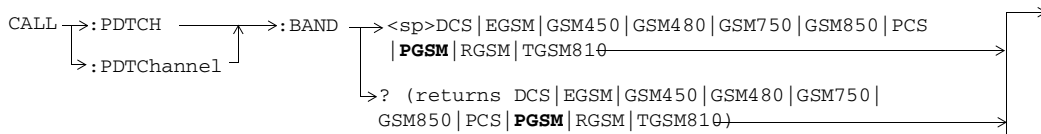
CALL[:CELL]:PCAType



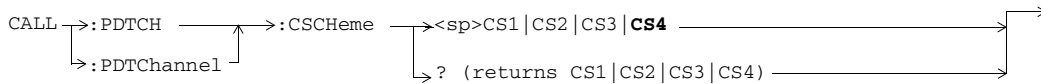
CALL:PDTCH|PDTChannel



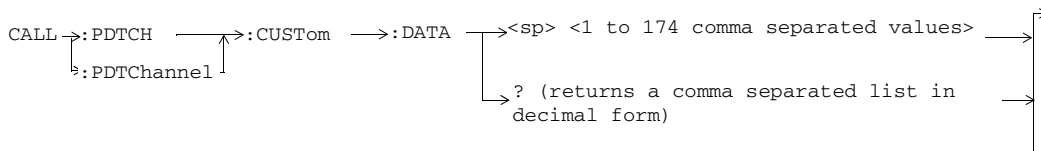
These commands are not applicable to GSM.

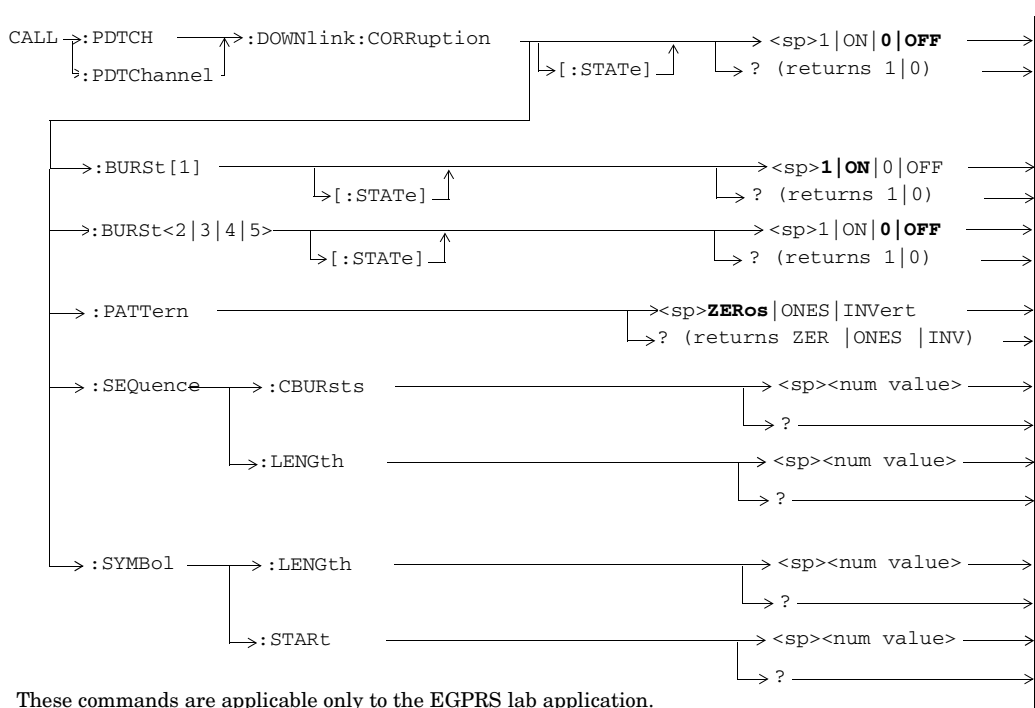


This command is not applicable to GSM.

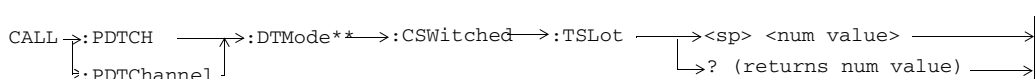


This command is not applicable to GSM or EGPRS.



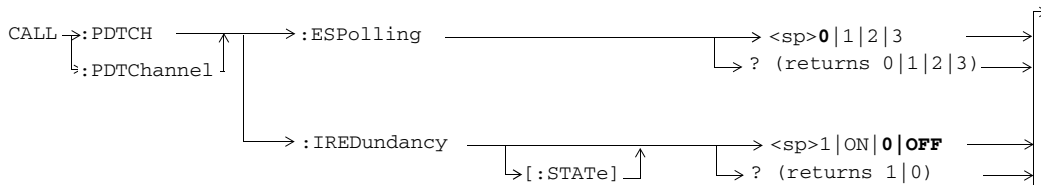


These commands are applicable only to the EGPRS lab application.

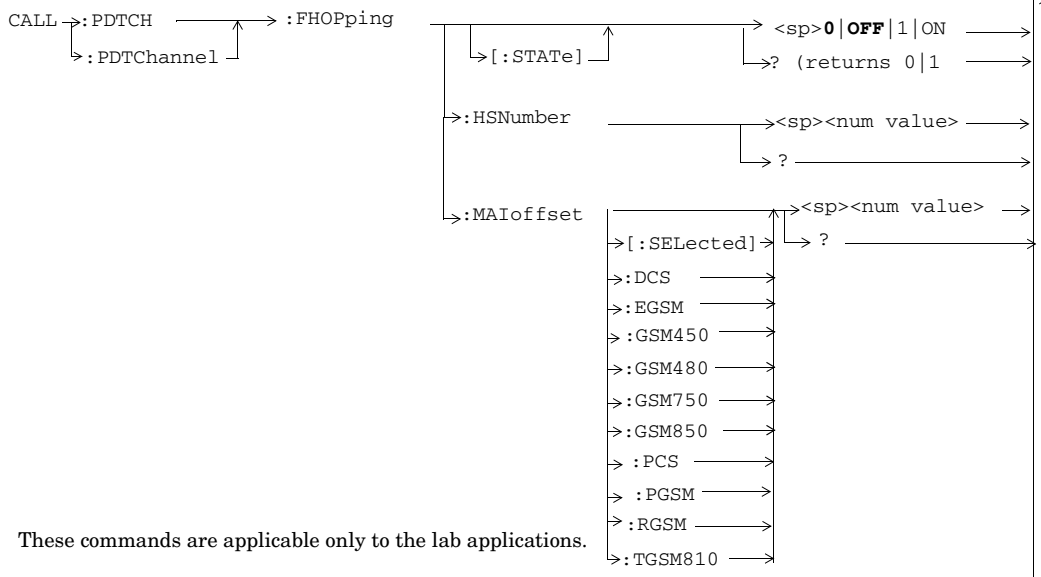


** Only applicable to the E6701E lab application.

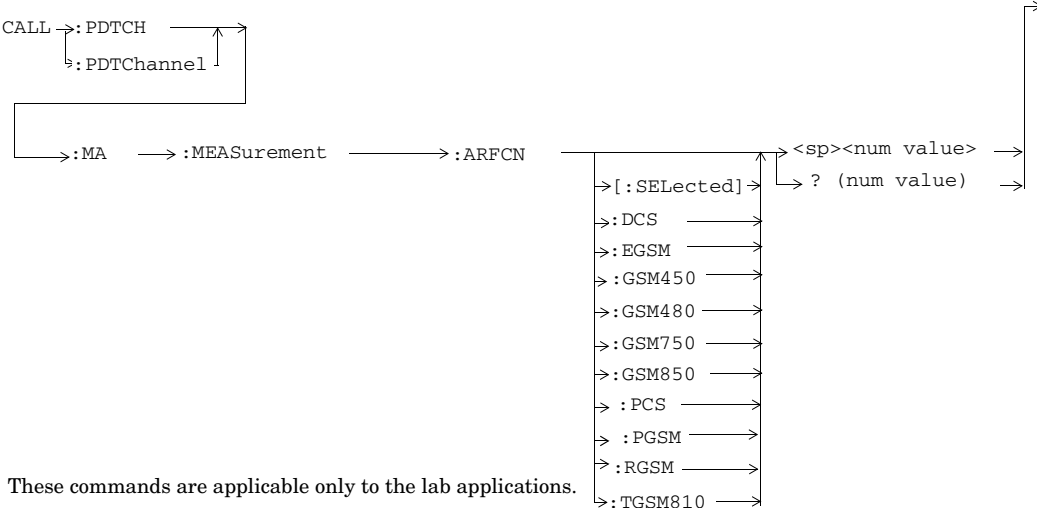
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



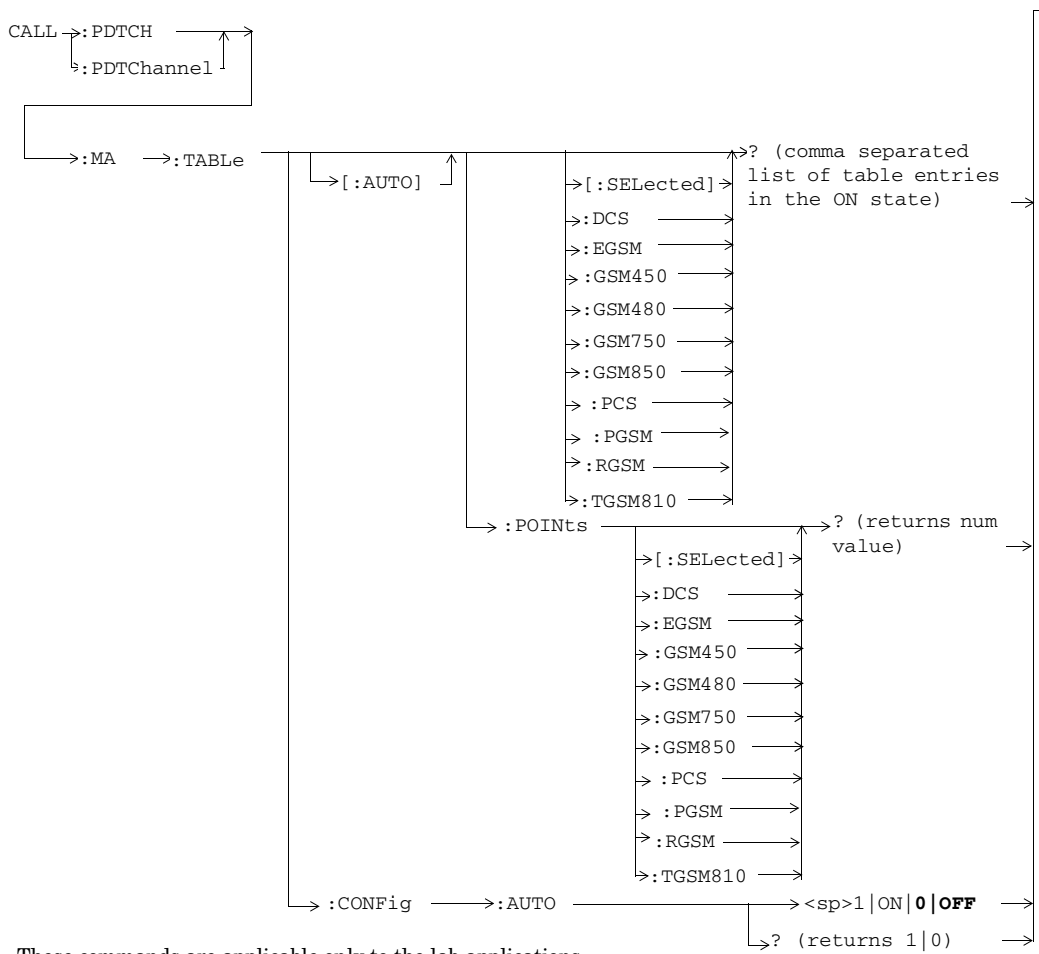
These commands are applicable only to the lab applications.



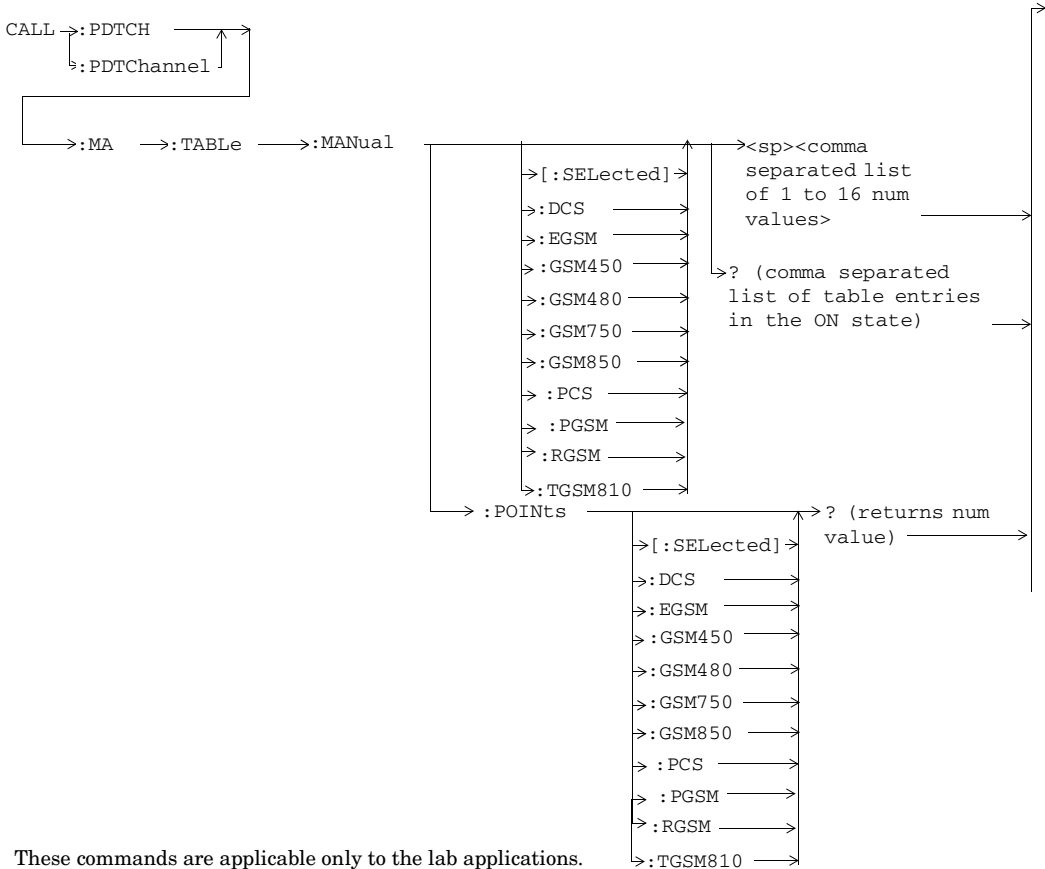
These commands are applicable only to the lab applications.



GPIB Syntax for E1968A, E6701D/E/T, and E6704A

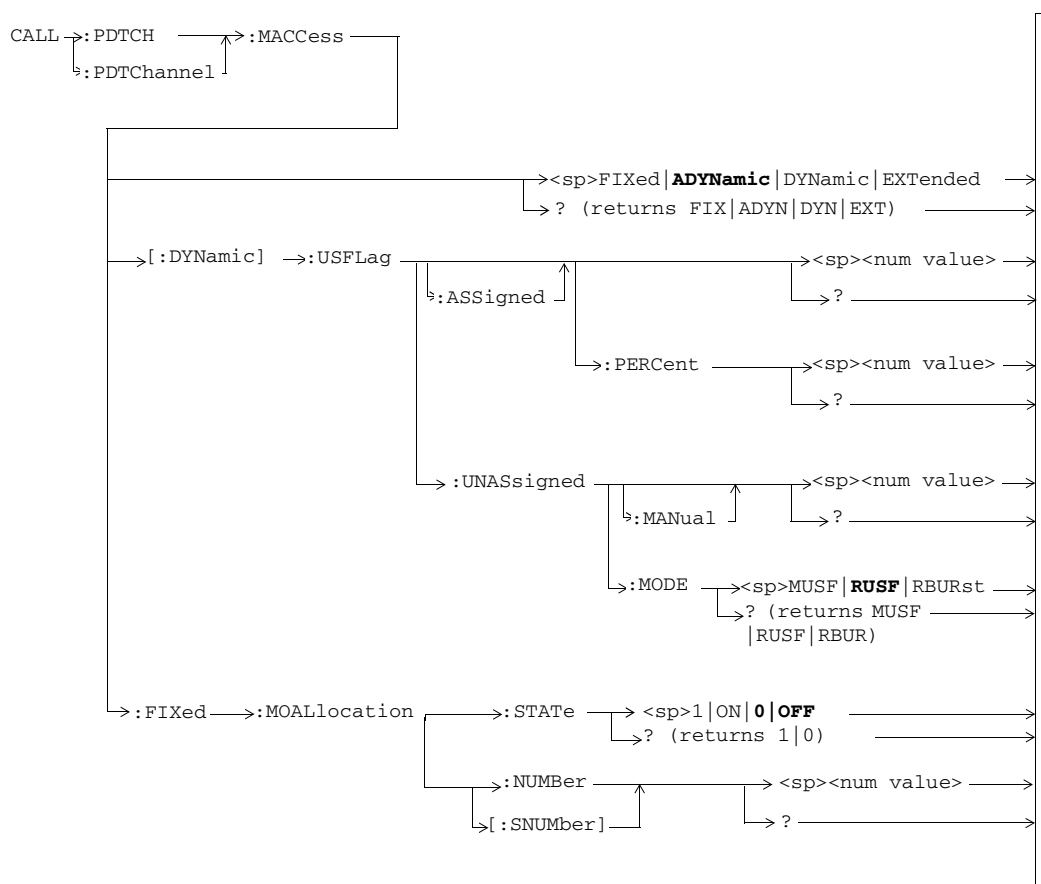


These commands are applicable only to the lab applications.

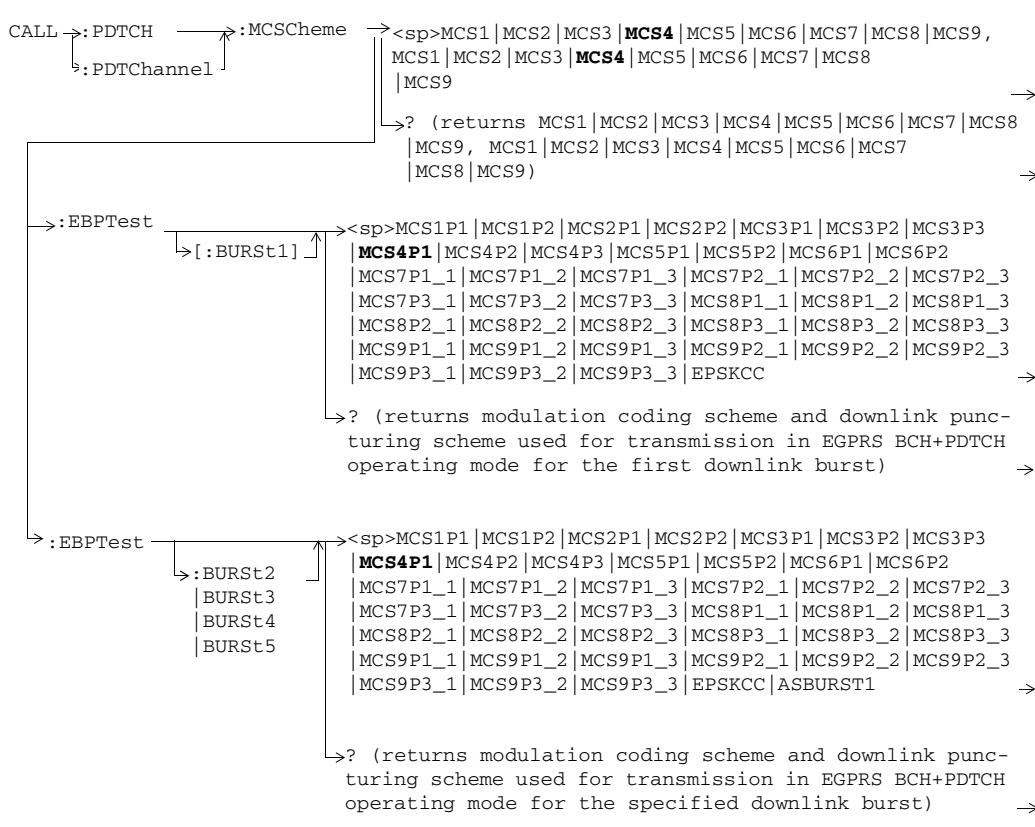


These commands are applicable only to the lab applications.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A

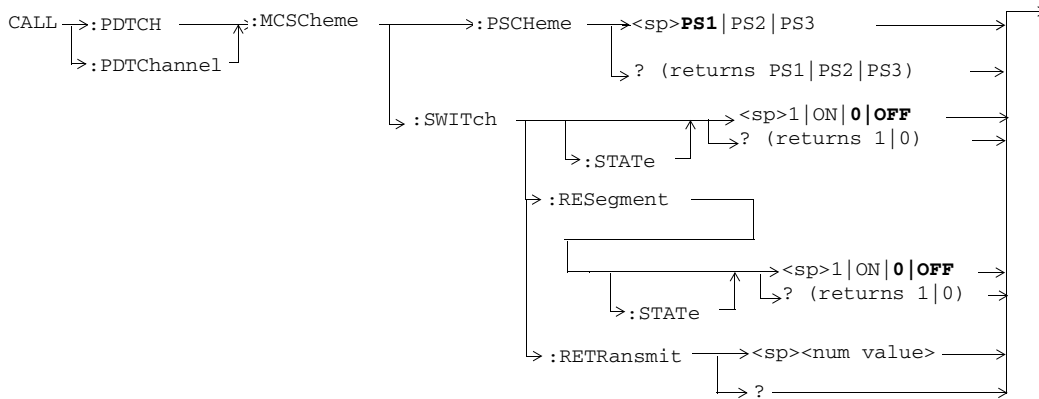


These commands are applicable only to the GSM/GPRS and EGPRS lab applications.

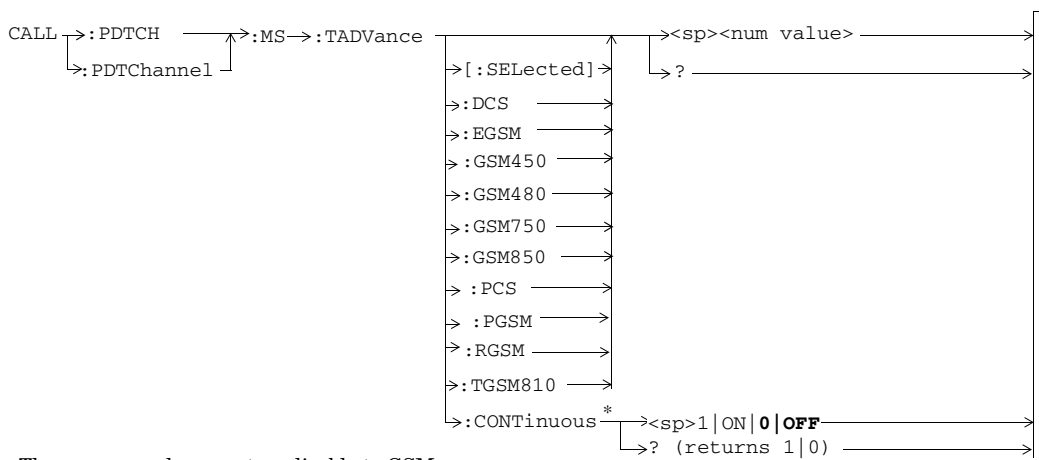


These commands are only applicable to EGPRS.

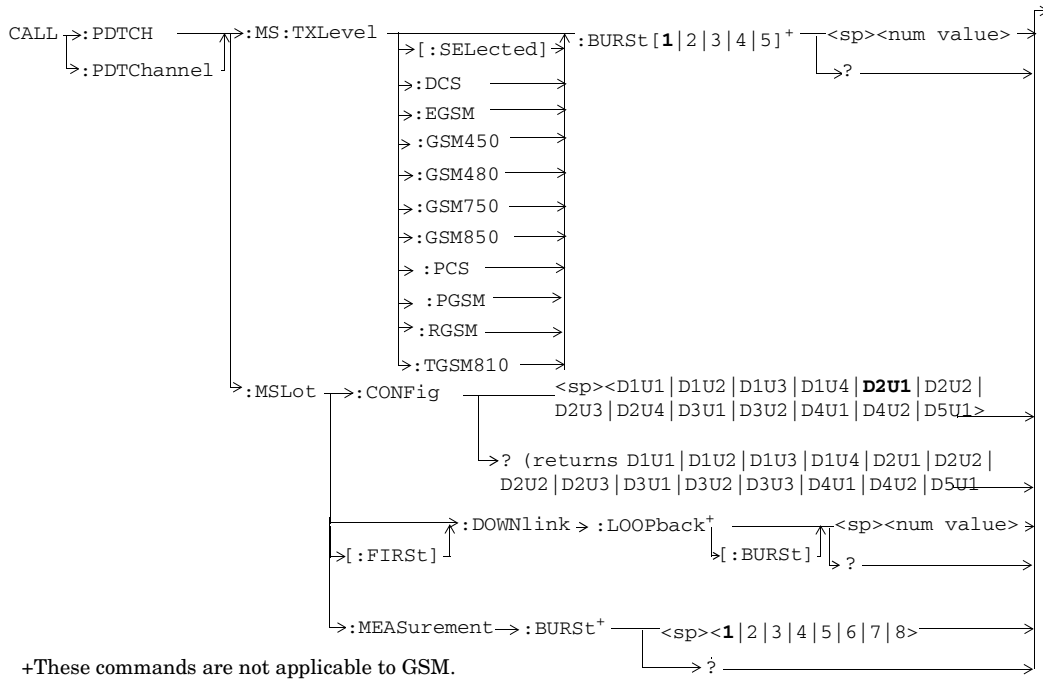
GPiB Syntax for E1968A, E6701D/E/T, and E6704A



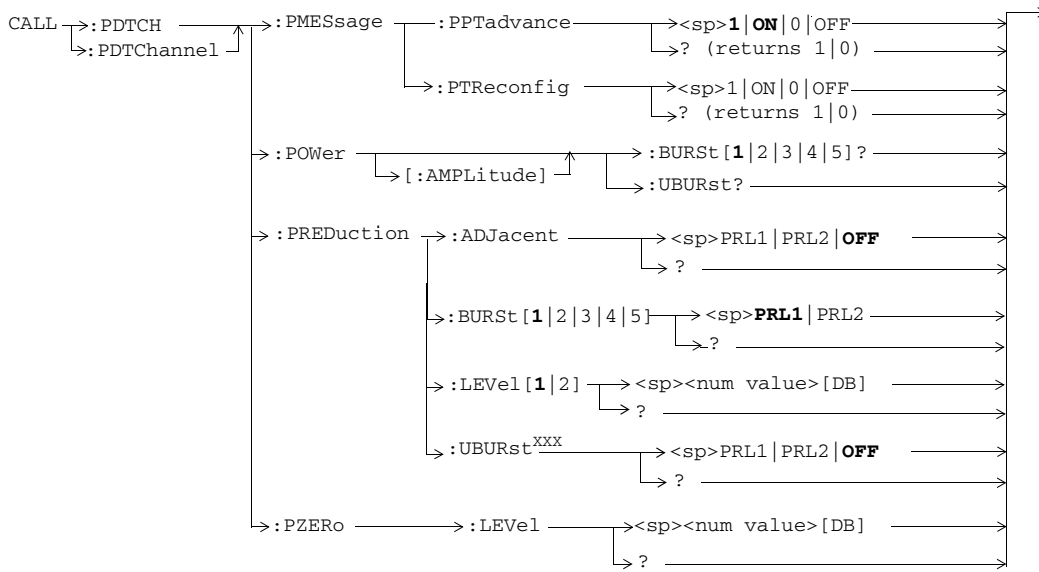
These commands are only applicable to the EGPRS lab application.



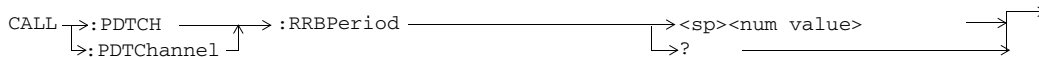
These commands are not applicable to GSM.
 *Only applicable to the GSM/GPRS and EGPRS LAs.



GPIB Syntax for E1968A, E6701D/E/T, and E6704A

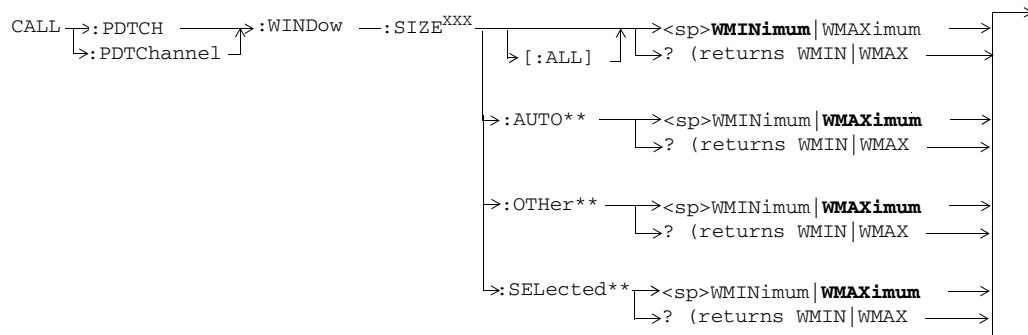


^{xxx}This command is obsolete.
 These commands are not applicable to GSM.



This command is only applicable to the lab applications.

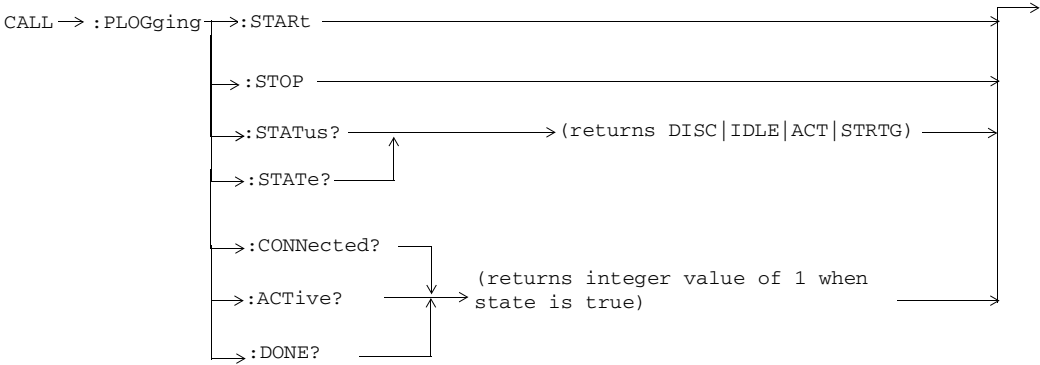
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



^{XXX} This command is obsolete.

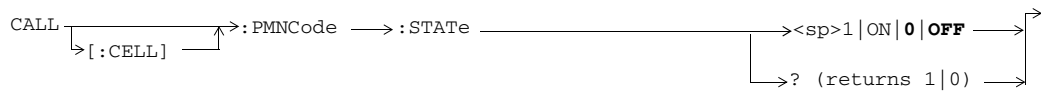
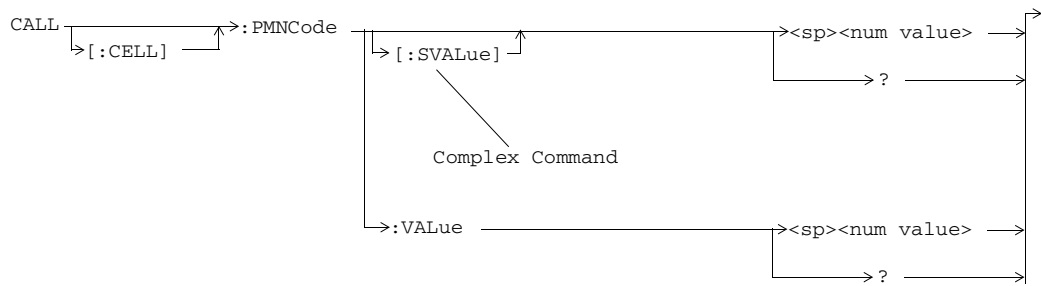
** These commands are only applicable to the E6701E lab application.

CALL:PLOGging

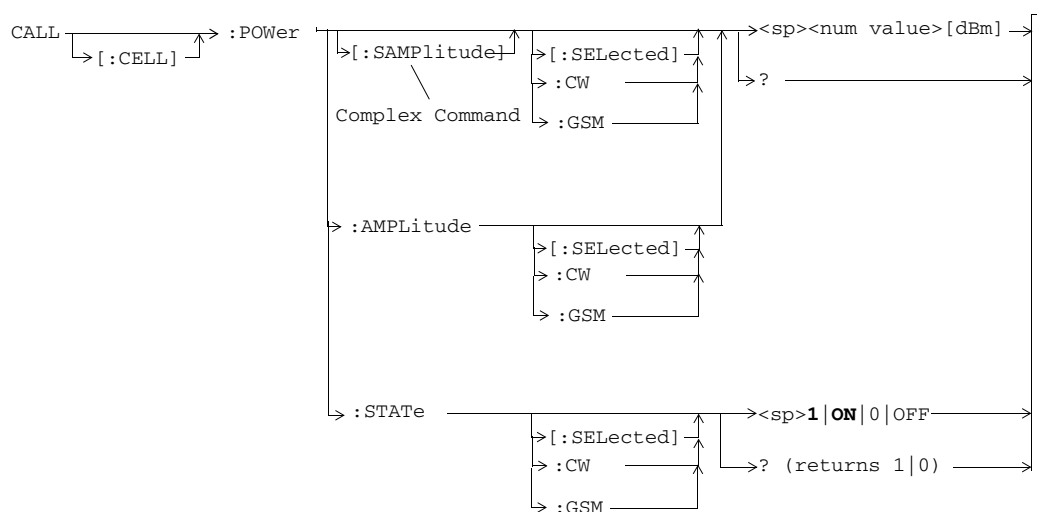


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

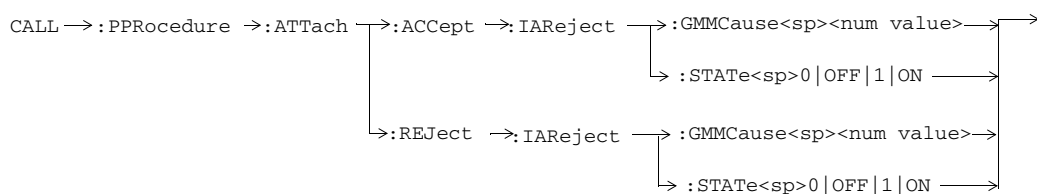
CALL:PMNCode



CALL:POWer

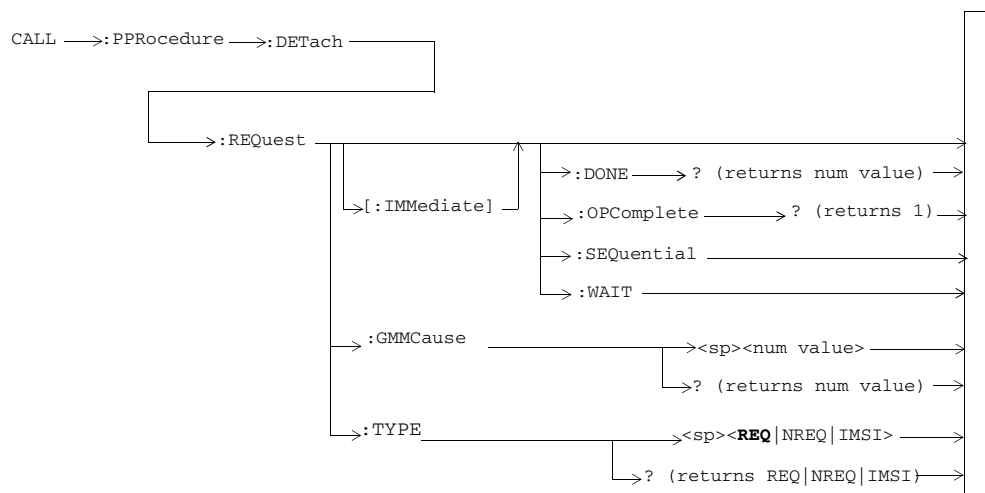


CALL:PPROcedure:ATTach

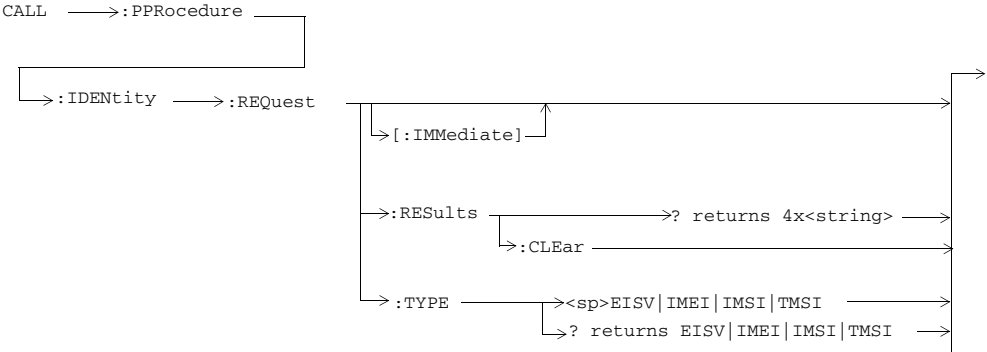


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPRocedure:DETach

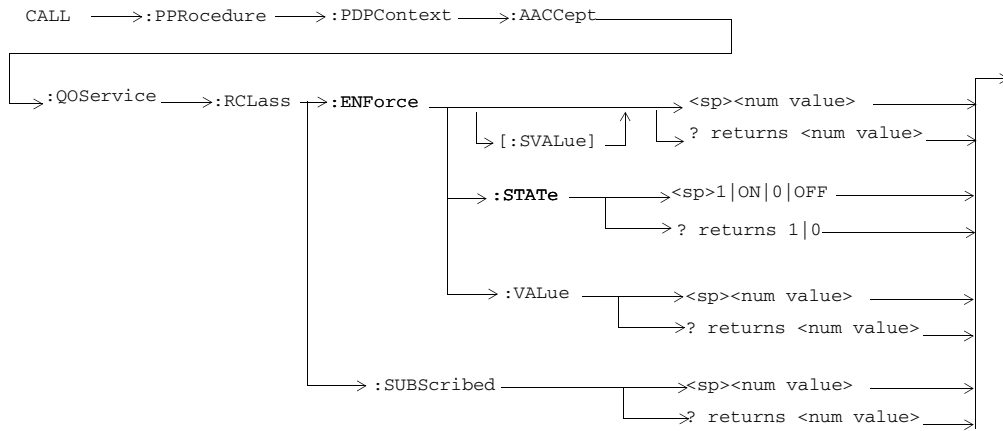


CALL:PPROcedure:IDENTity

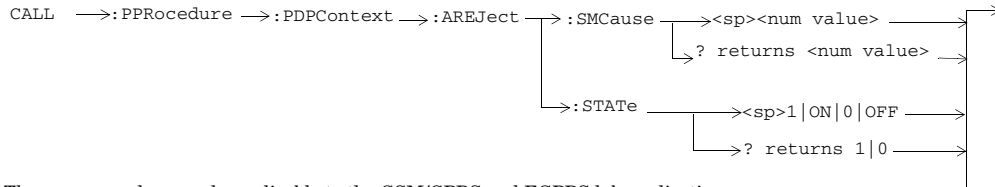


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPRocedure:PDPContext

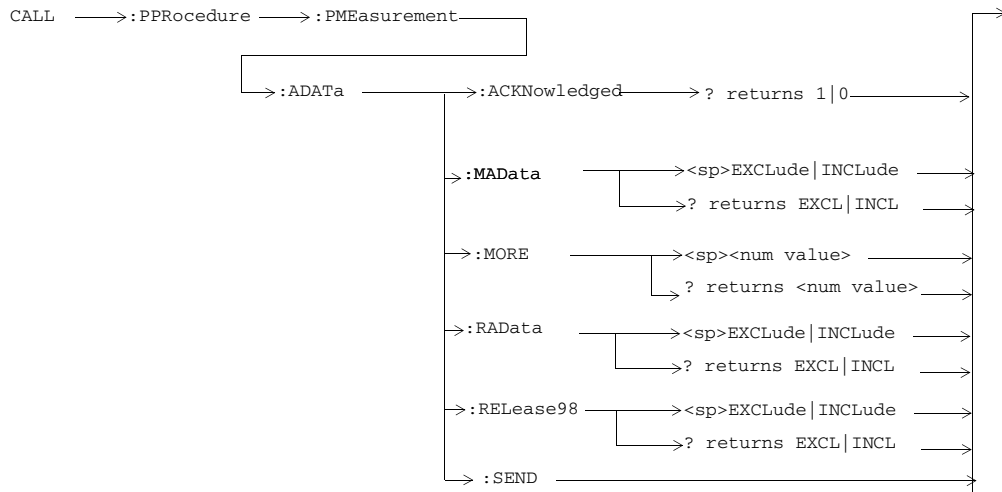


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



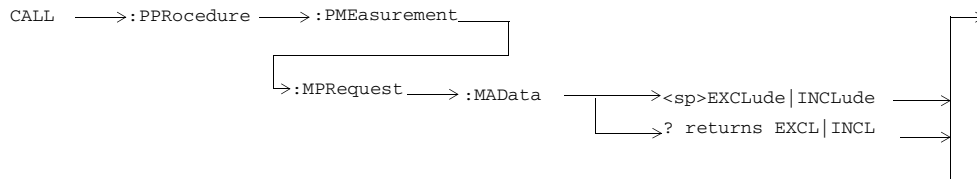
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPRocedure:PMMeasurement:ADAta



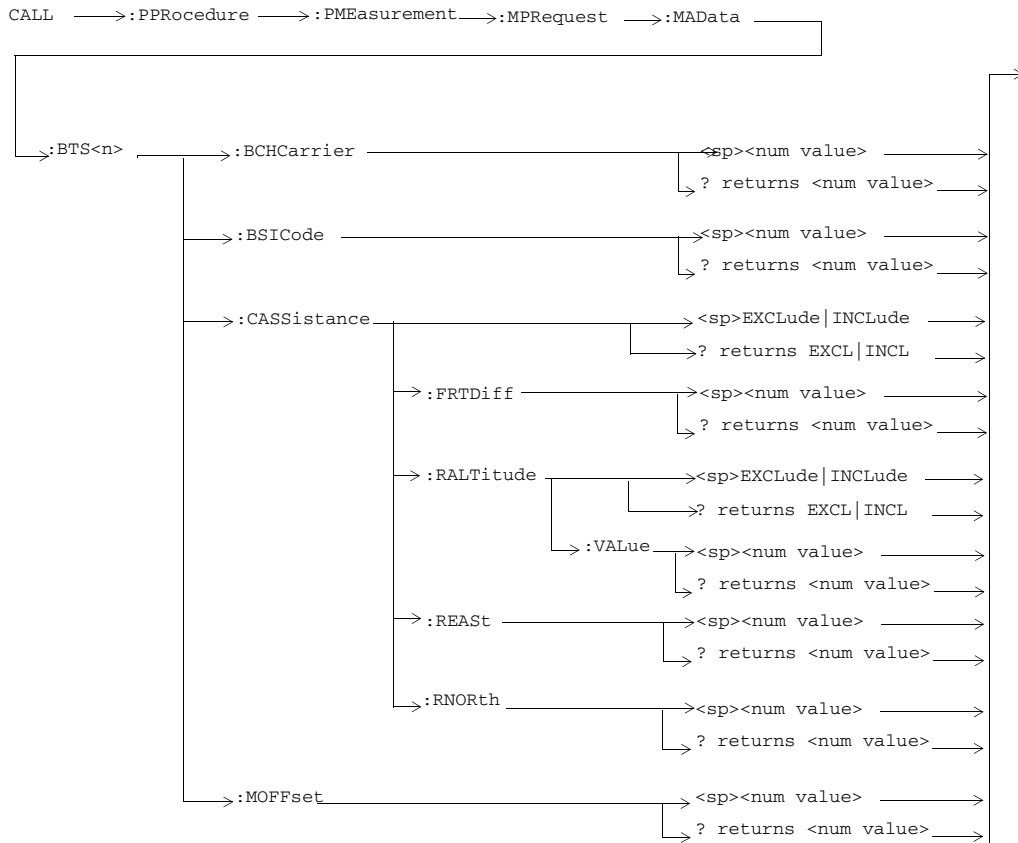
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPRocedure:PMMeasurement:MPRequest

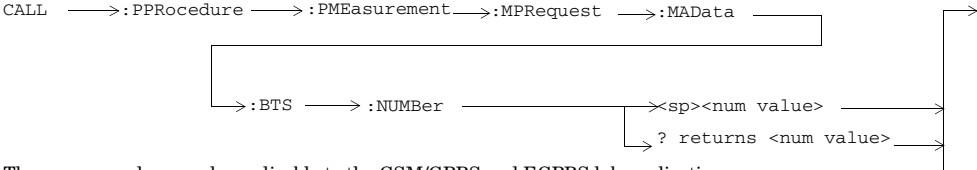


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

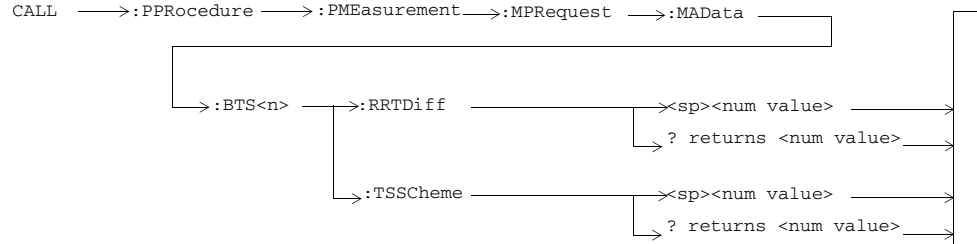
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



These commands are only applicable to lab applicable.

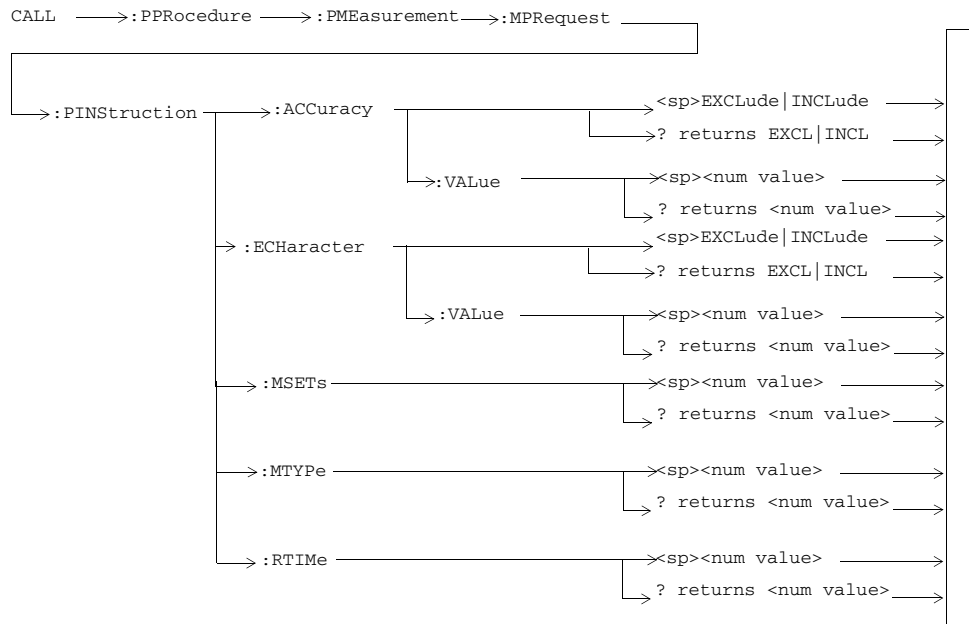


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

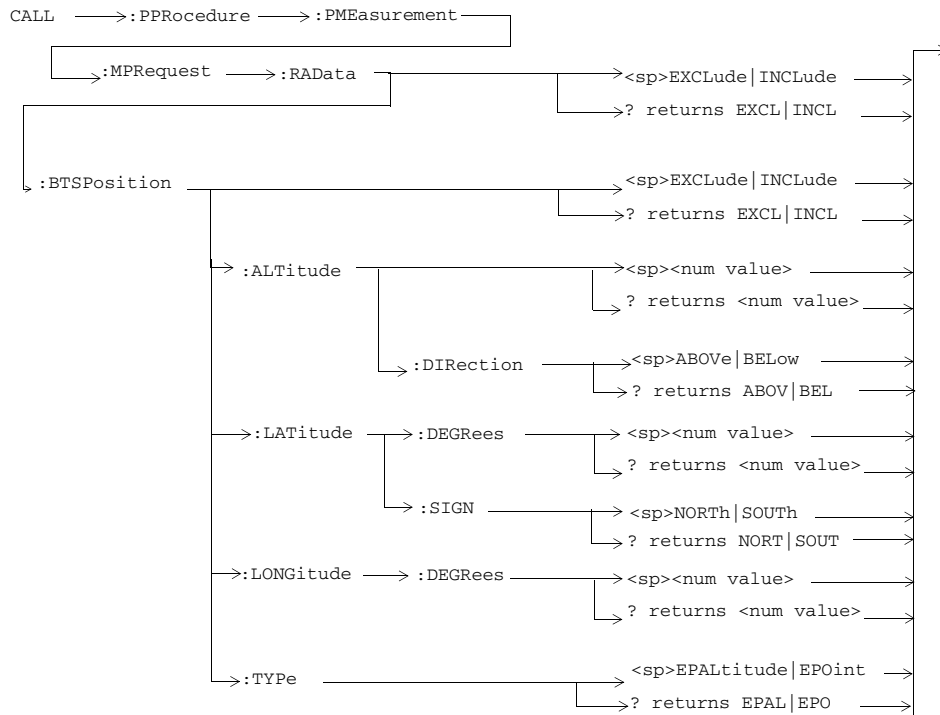


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A

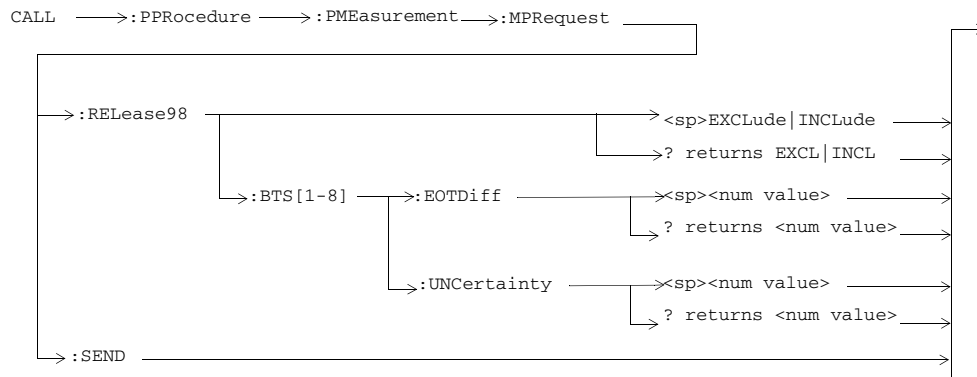


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



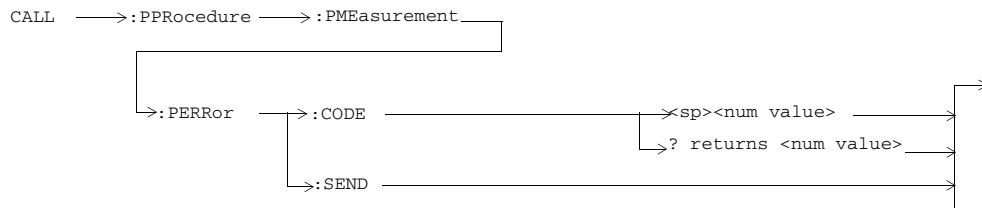
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A



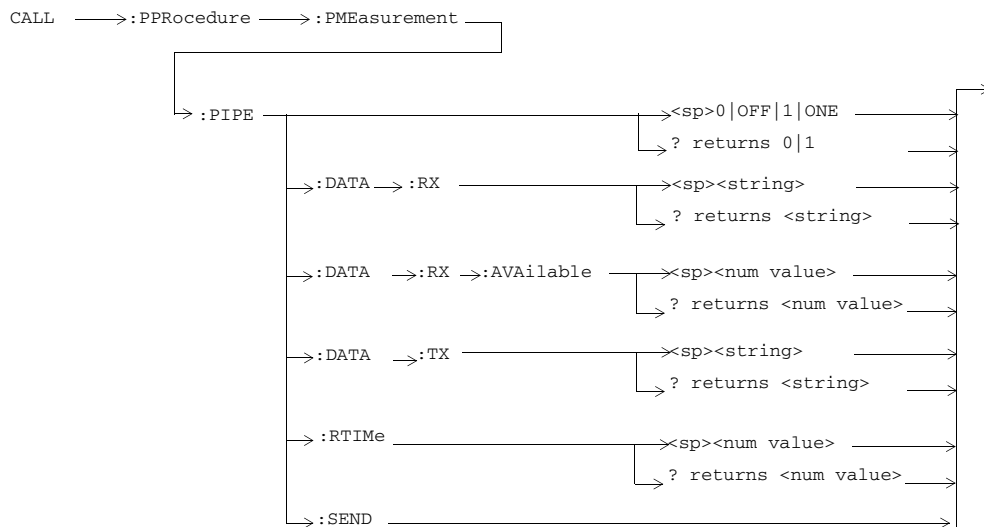
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPRocedure:PMEasurement:PERRor



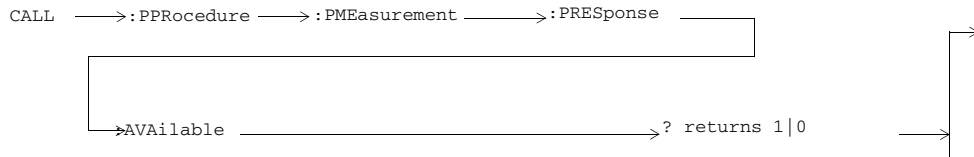
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPRocedure:PMEasurement:PIPE



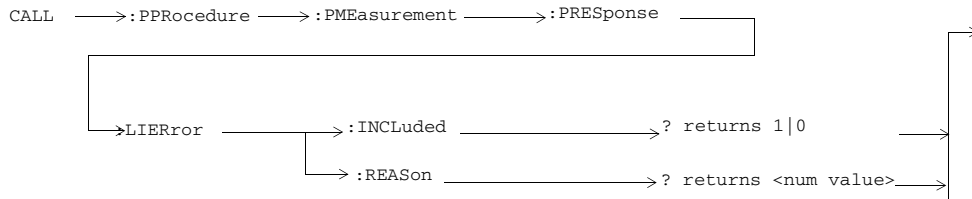
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPROcedure:PMEasurement:PREsponse:AVAIlable?



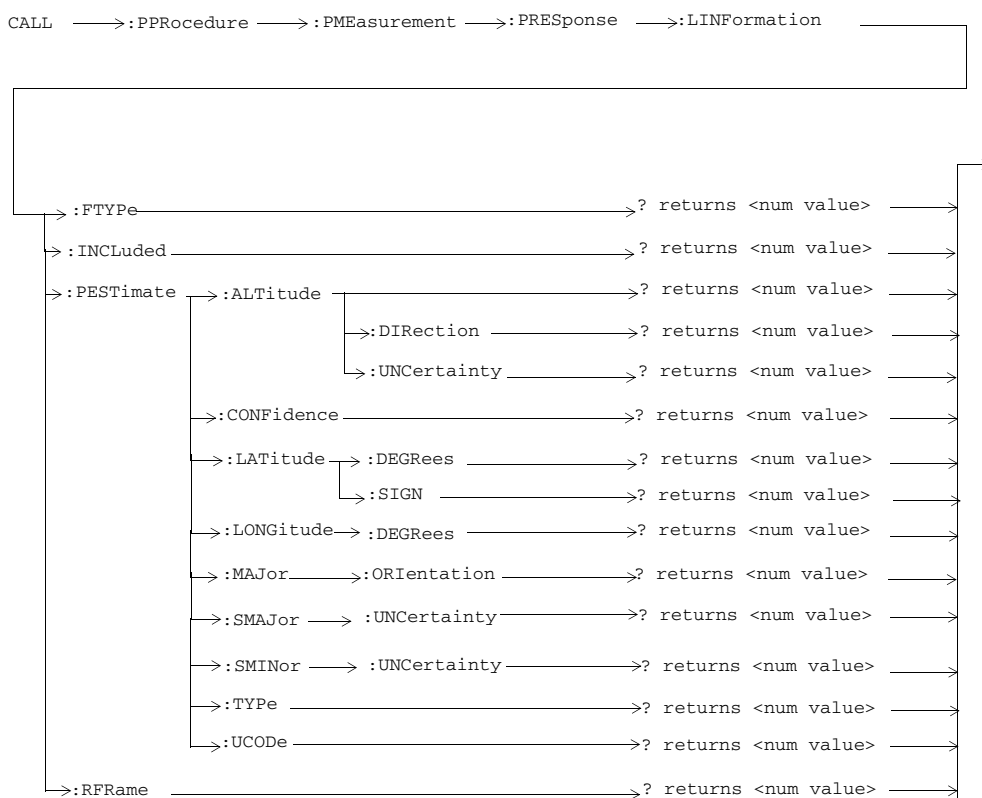
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPROcedure:PMEasurement:PREsponse:LIError



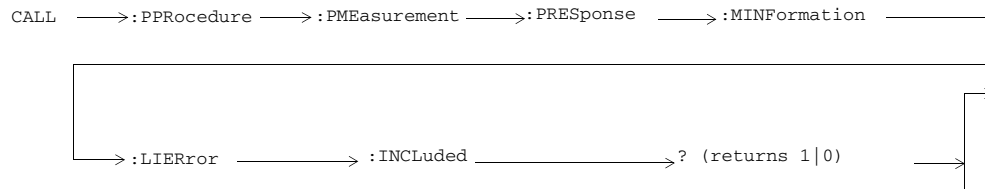
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPRocedure:PMMeasurement:PRESpone:LINformation

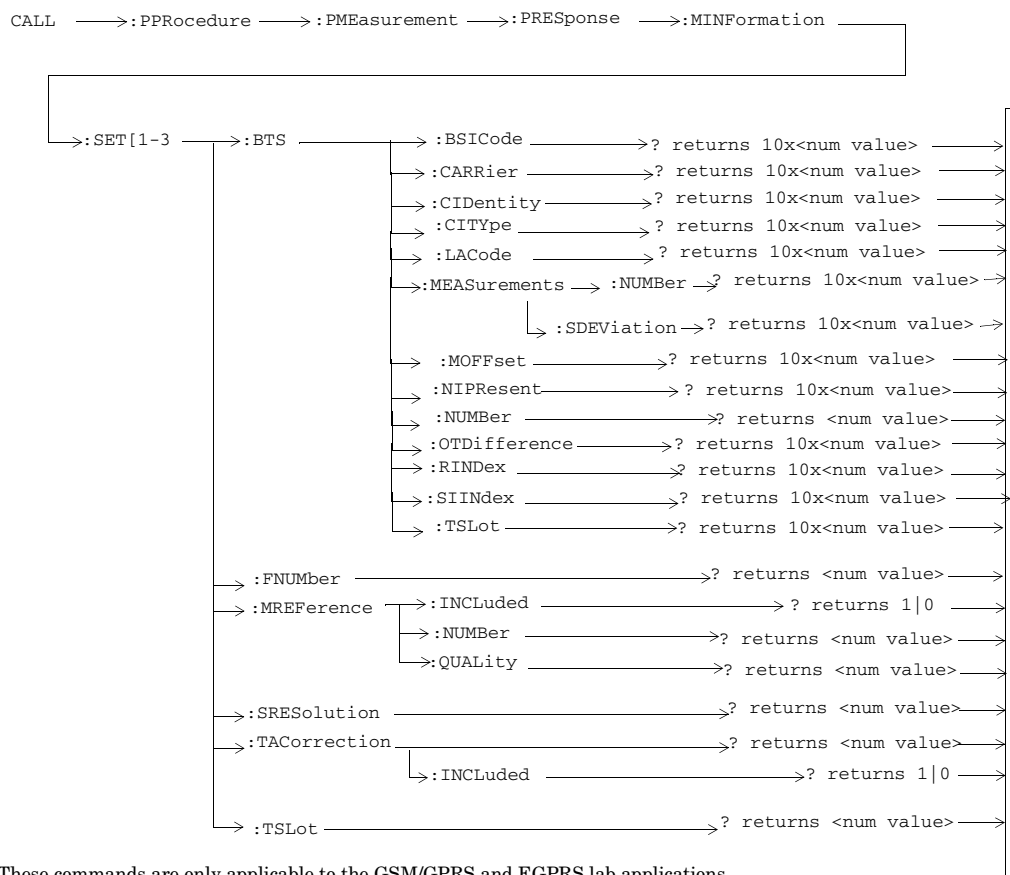


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPRocedure:PMEasurement:PRESpOse:MINFOrMation

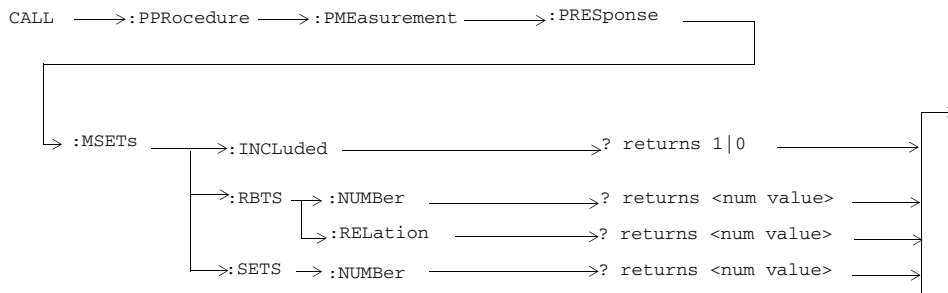


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



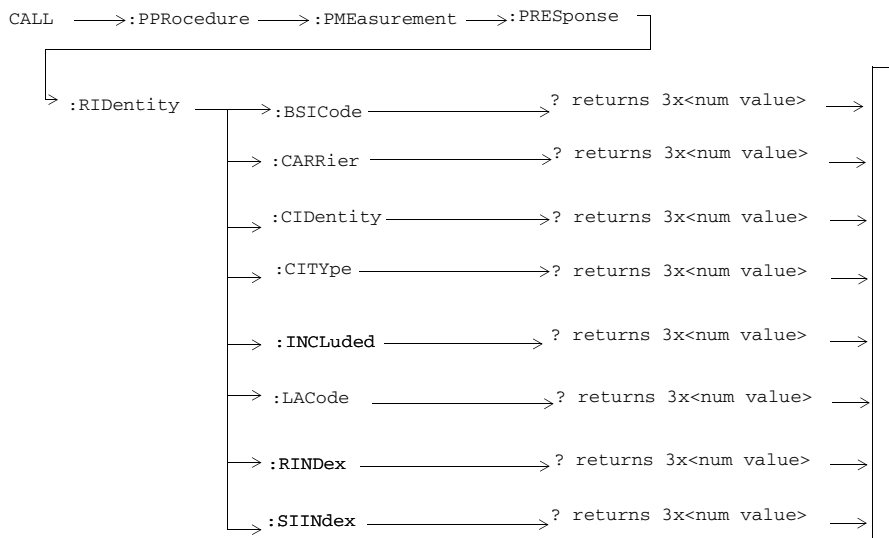
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:PPROcedure:PMEasurement:PRESpouse:MSETs



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

CALL:PPROcedure:PMEasurement:PRESpouse:RIDentity

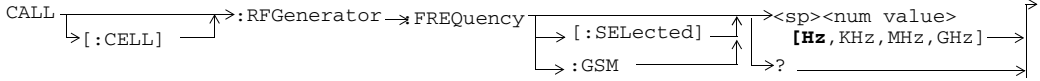


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

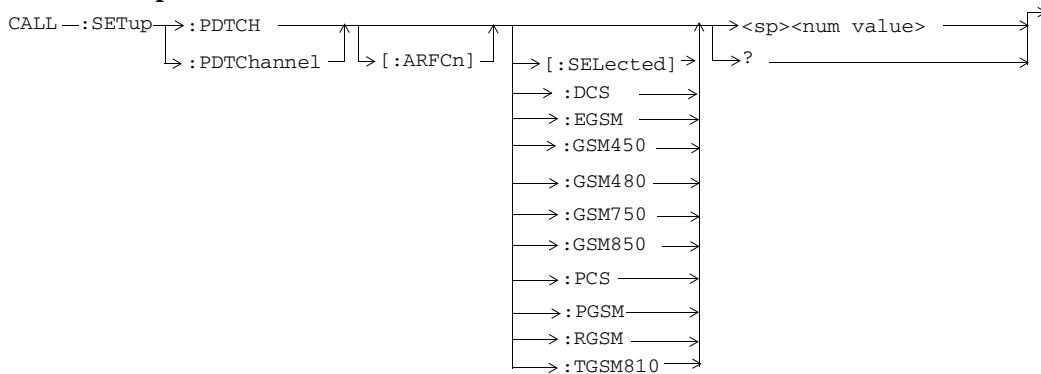
CALL:RACode



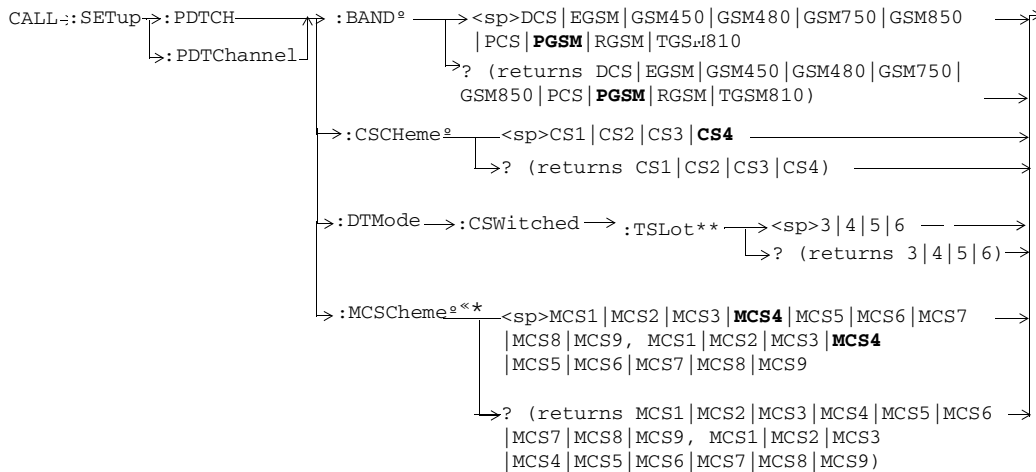
CALL:RFGenerator



CALL:SETup



These commands are not applicable to GSM.

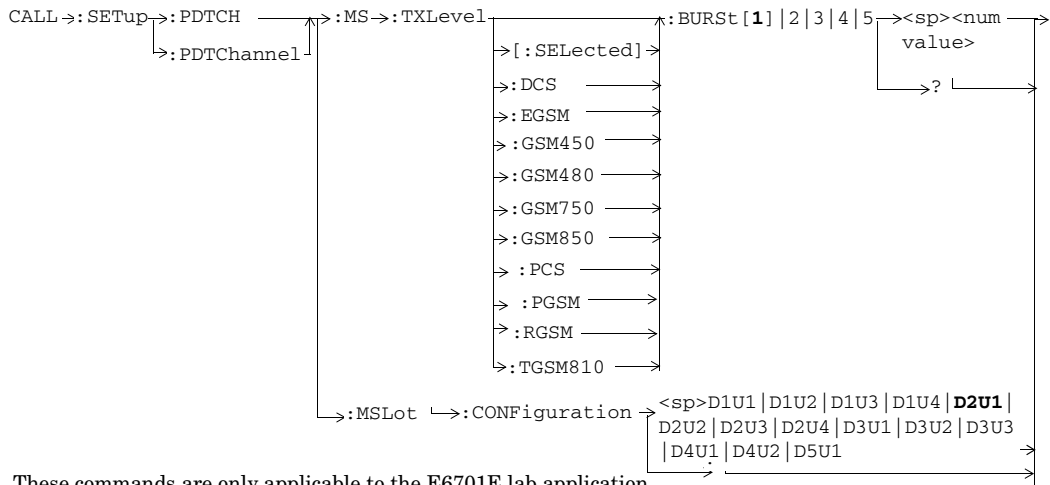


° These commands are not applicable to GSM.

« These commands are not applicable to GPRS.

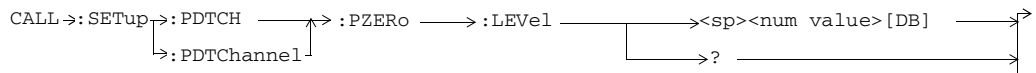
* These commands are only applicable to the lab applications.

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

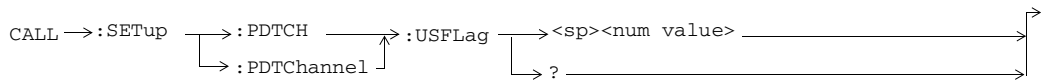


These commands are only applicable to the E6701E lab application.

These commands are not applicable to GSM.

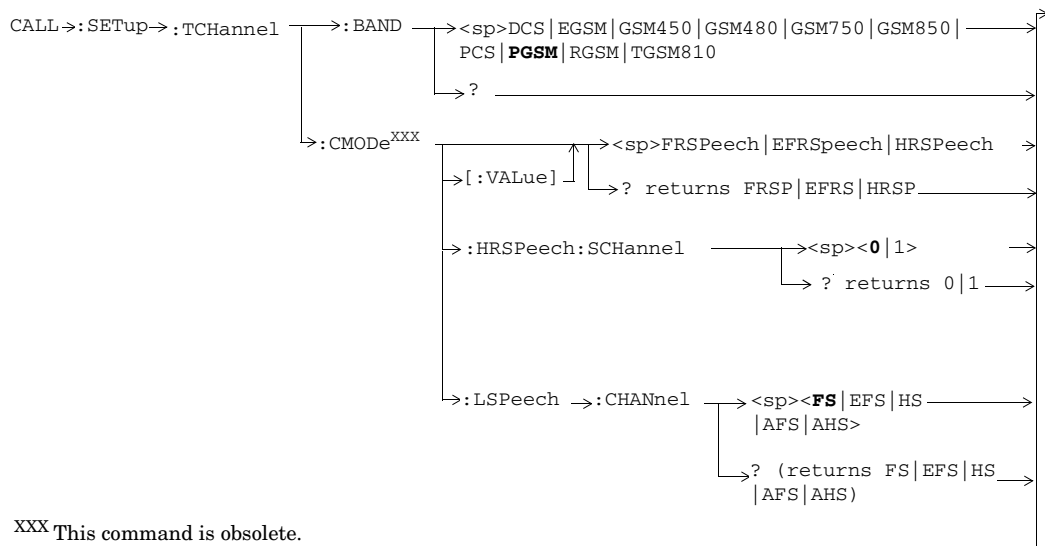
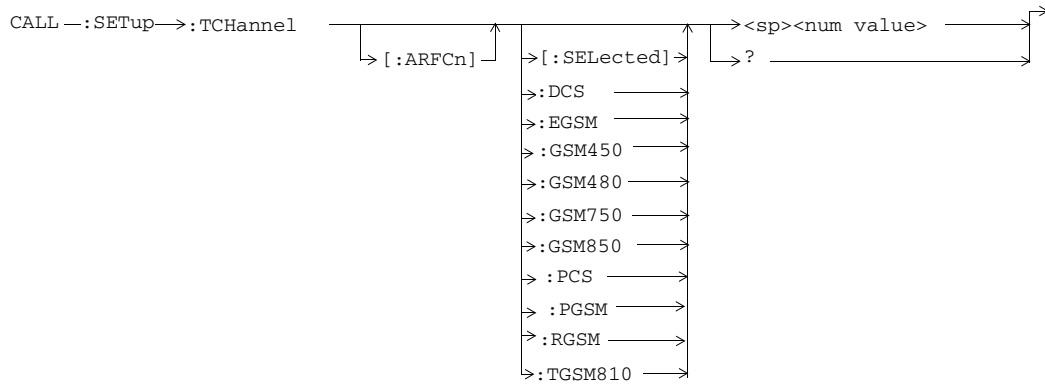


These commands are not applicable to GSM.

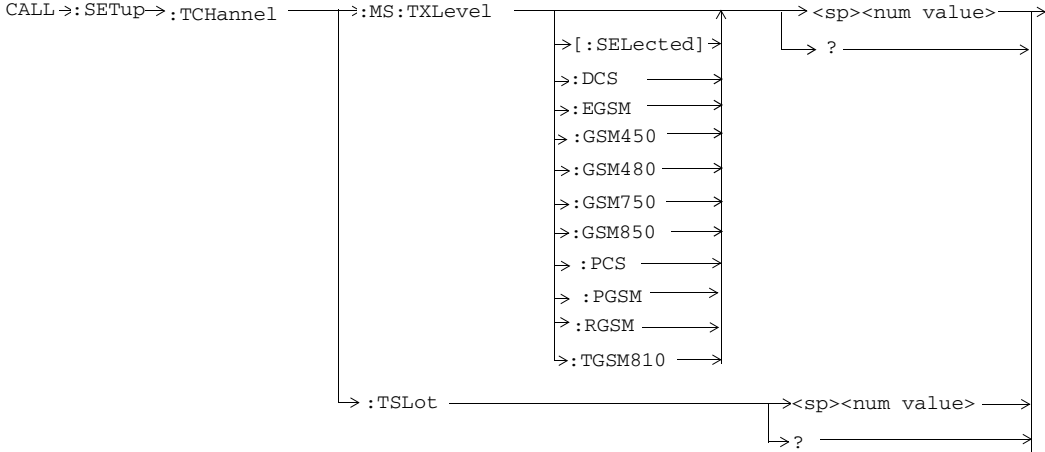


This command is applicable only to the GSM/GPRS and EGPRS lab applications.

GPiB Syntax for E1968A, E6701D/E/T, and E6704A



^{xxx}This command is obsolete.



GPIO Syntax for E1968A, E6701D/E/T, and E6704A

CALL:SIGNaling

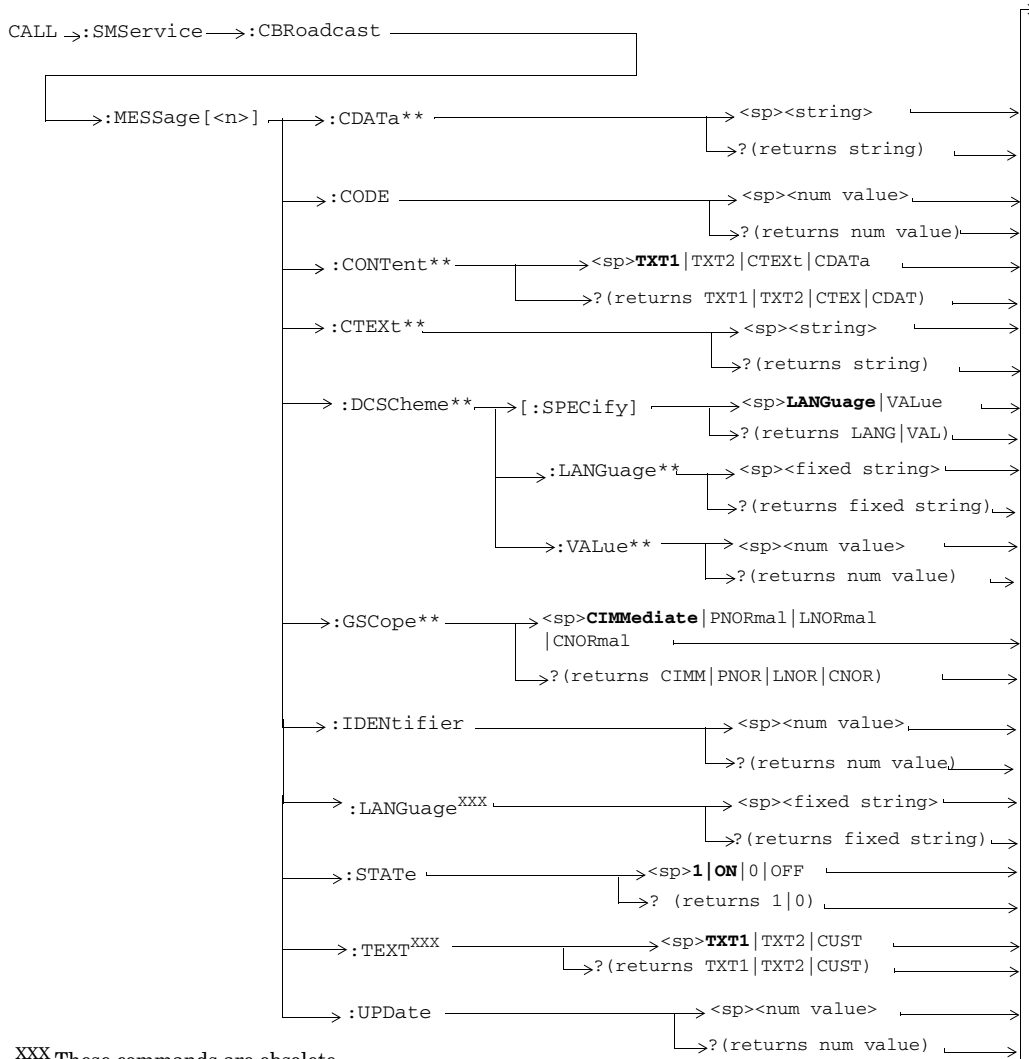
CALL → :SIGNaling → :MS → :TXLevel → :FACCH^{XXX} → <sp><1|ON|0|OFF> →
↳? (returns 1|0) →

This command is not applicable to GPRS.

^{XXX} This command is obsolete.

CALL:SMService

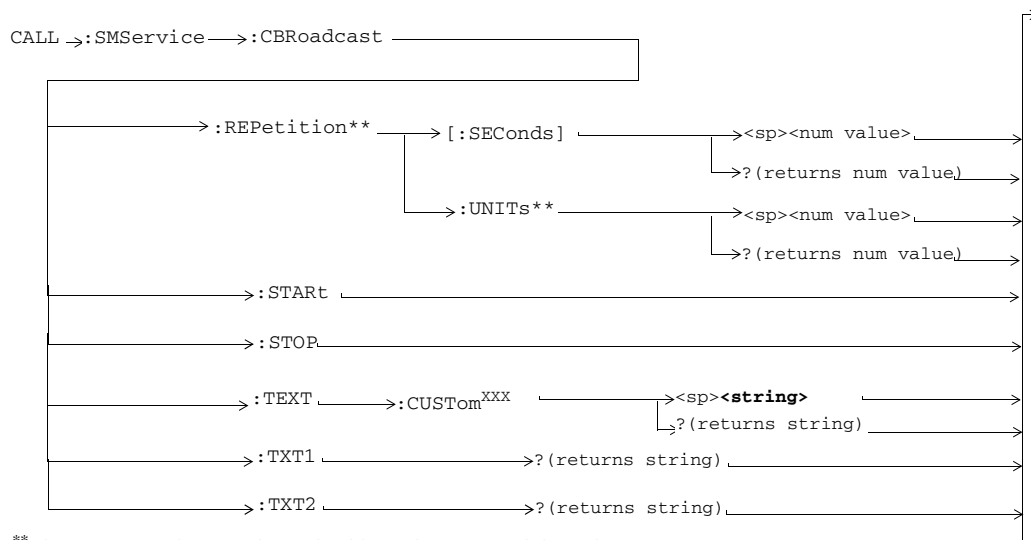
This section is only applicable to the lab applications.



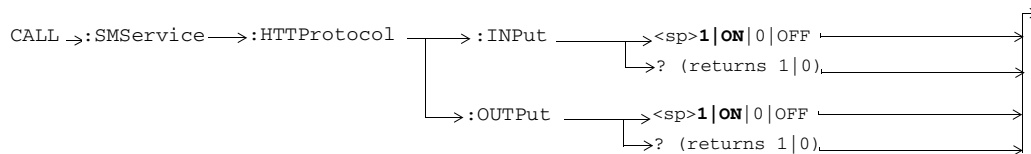
^{XXX} These commands are obsolete.

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

GPIB Syntax for E1968A, E6701D/E/T, and E6704A

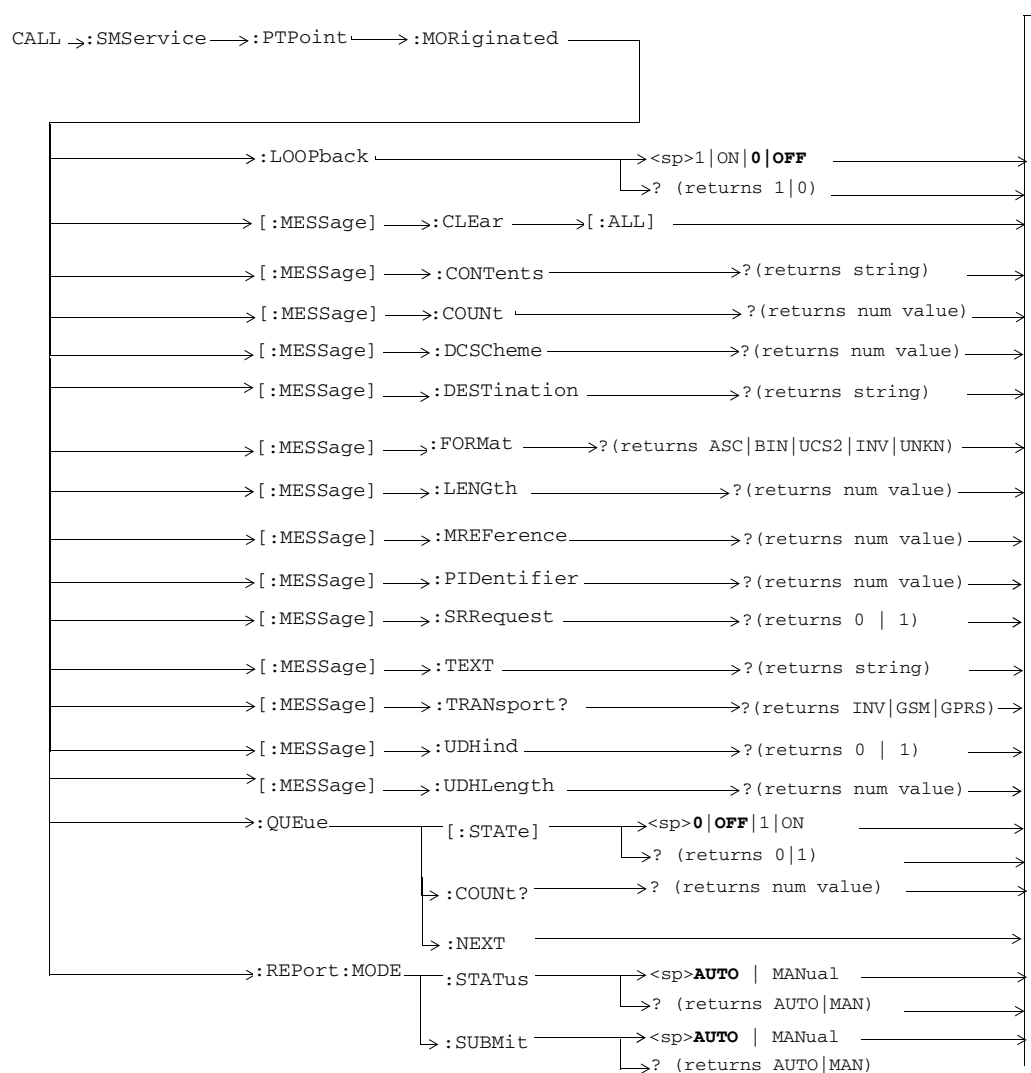


**These commands are only applicable to the E6701E lab application.

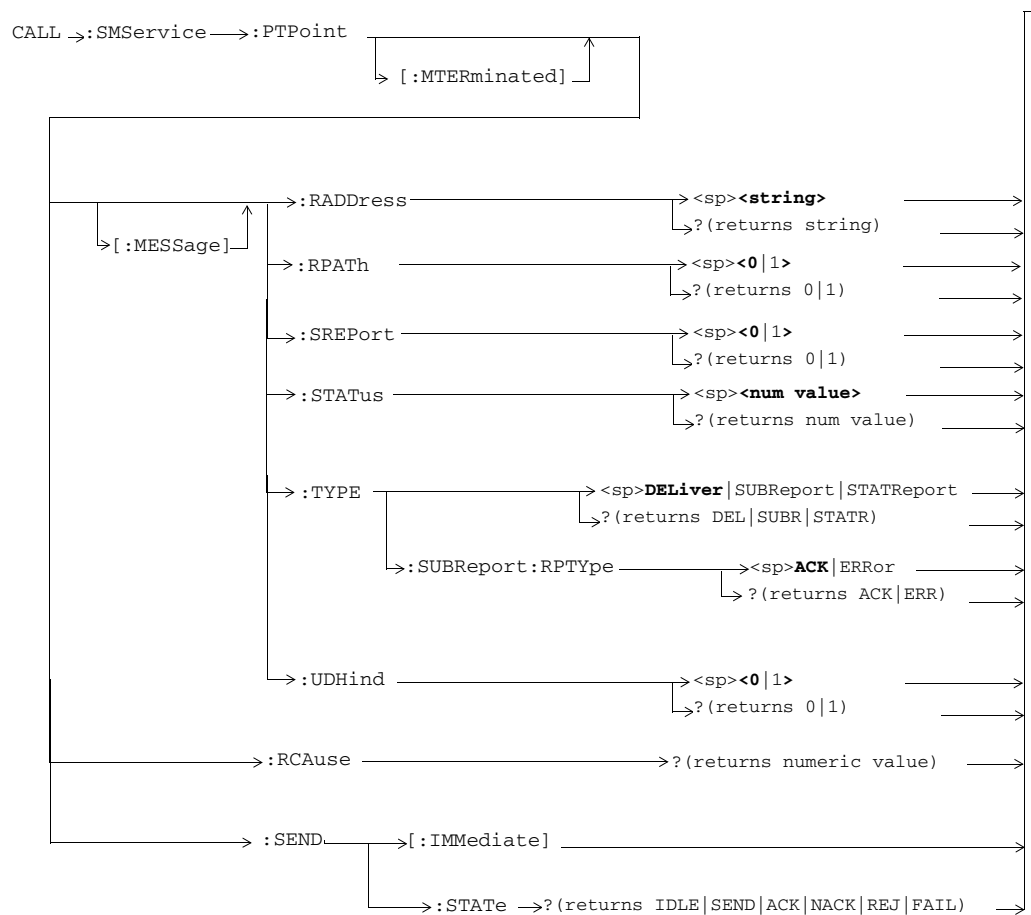


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

^{XXX}These commands are obsolete.

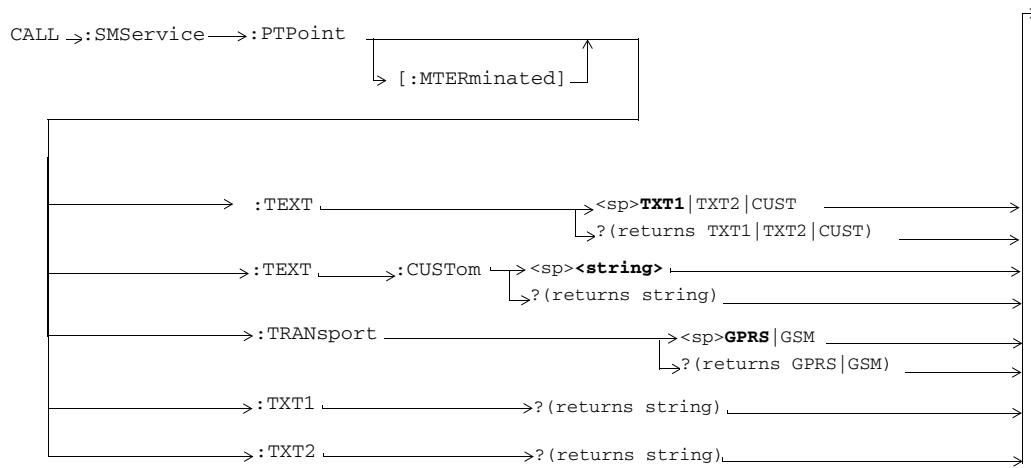


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



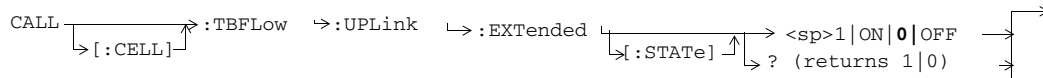
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A



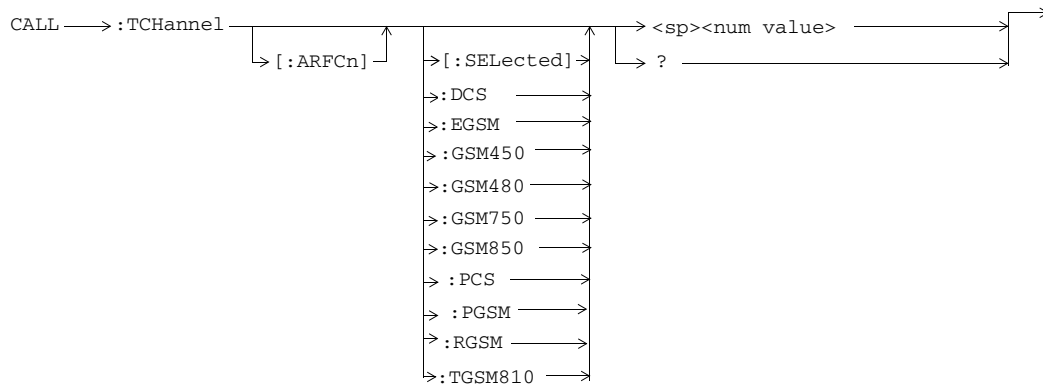
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:TBFLow



This command is only applicable to the E6701E lab application.

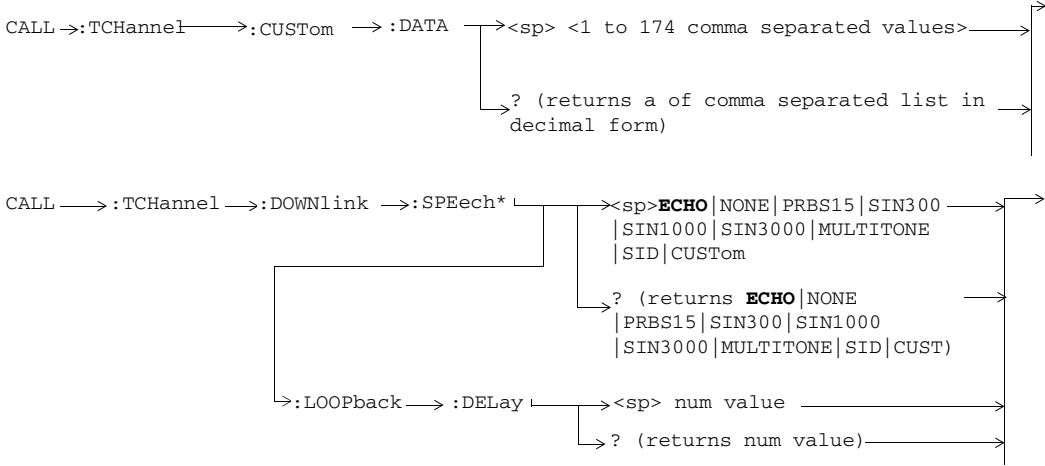
CALL:TCHannel

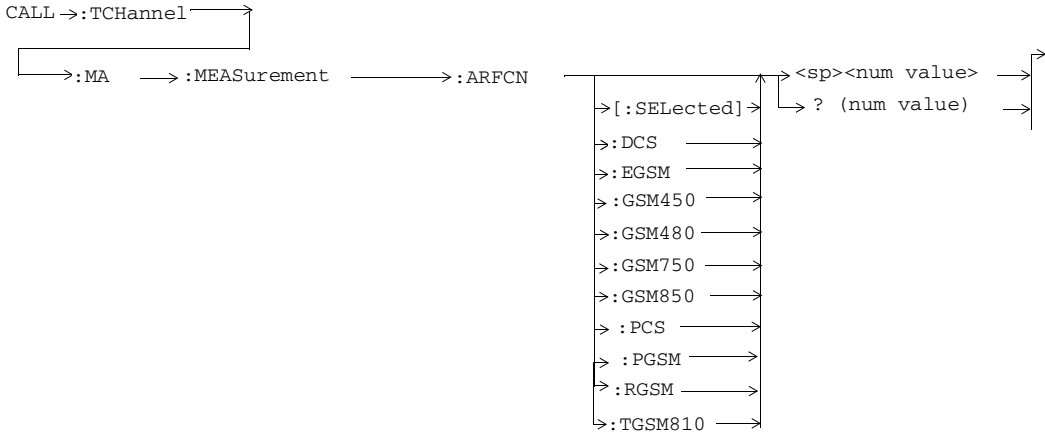


These commands are not applicable to GPRS.



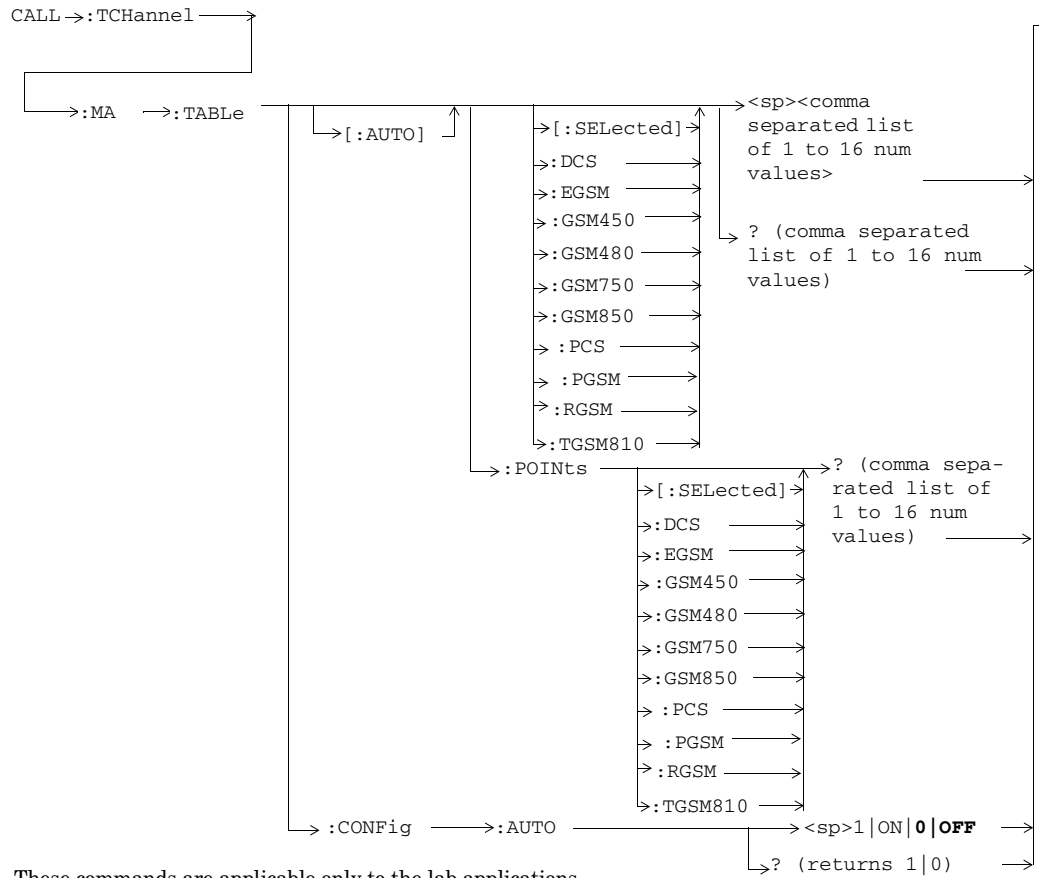
These commands are only applicable to the lab applications.



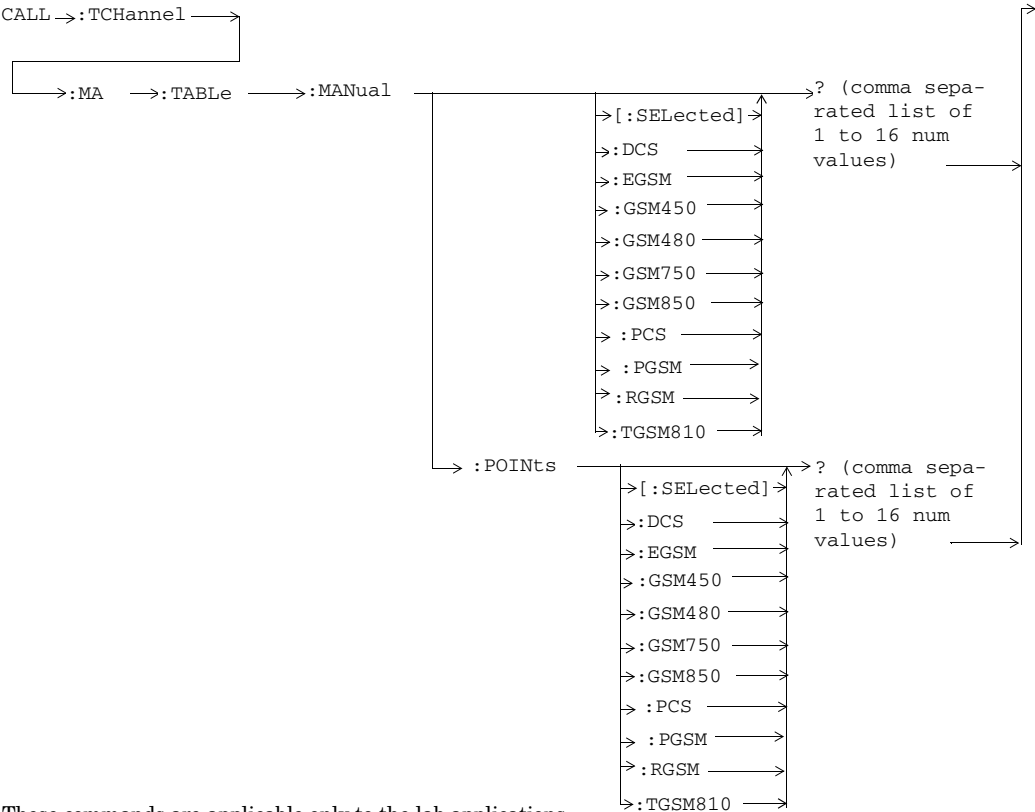


These commands are applicable only to the lab applications.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A

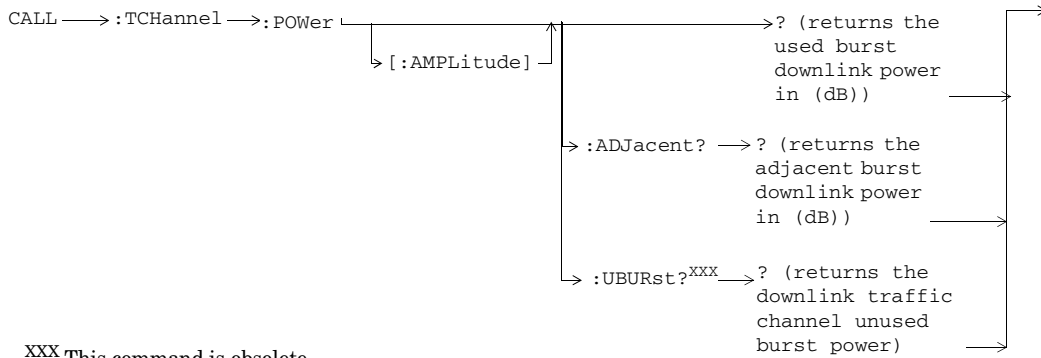


These commands are applicable only to the lab applications.

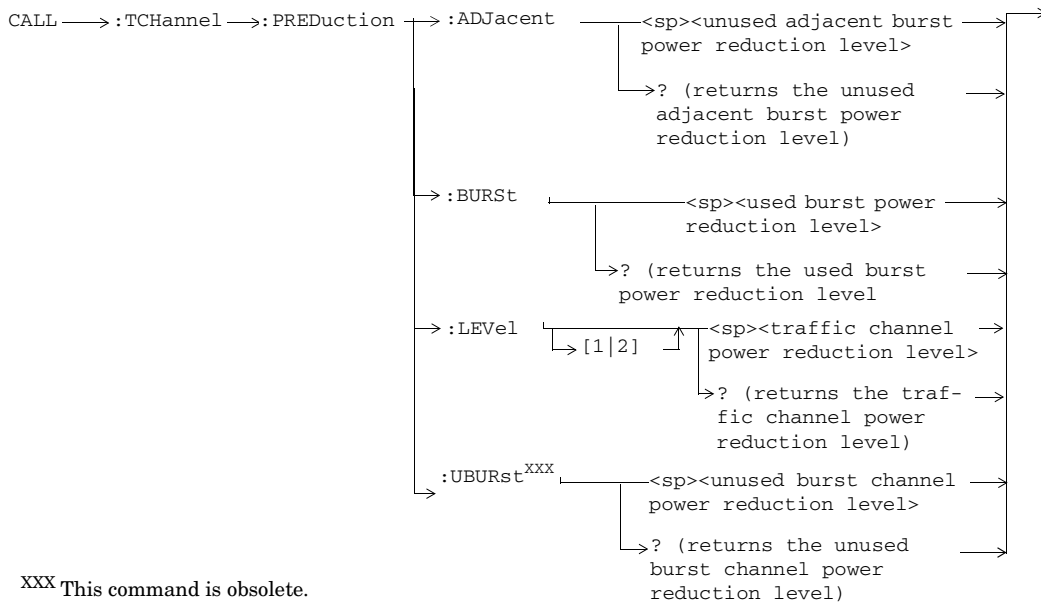


These commands are applicable only to the lab applications.

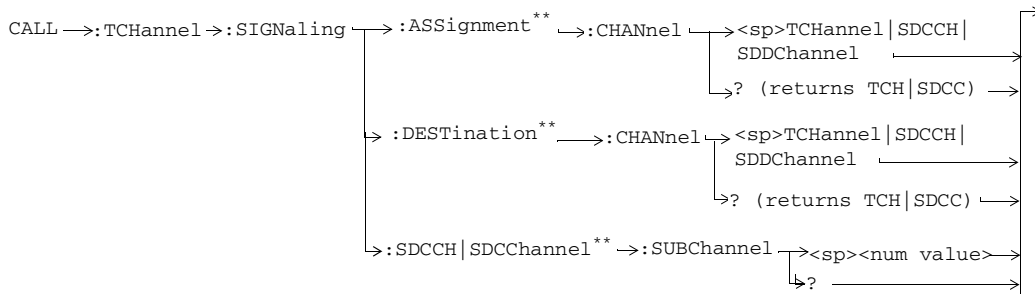
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



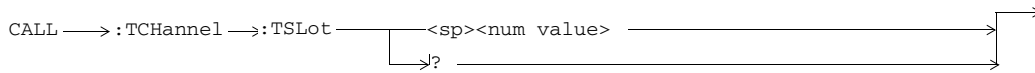
XXX This command is obsolete.



XXX This command is obsolete.

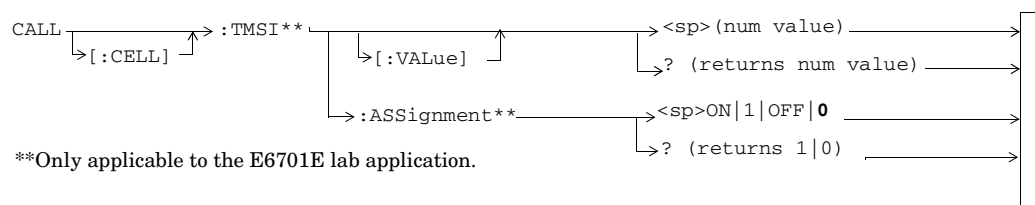


**These commands are only applicable to the E6701E lab application.



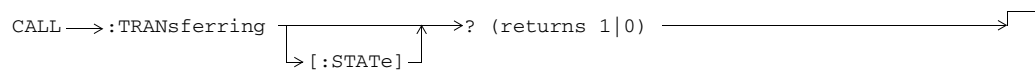
These commands are not applicable to GPRS.

CALL:TMSI



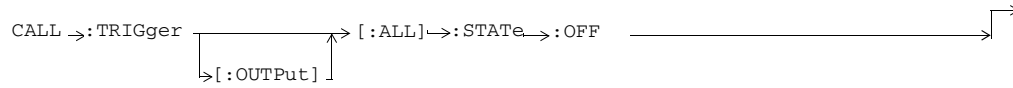
**Only applicable to the E6701E lab application.

CALL:TRANsferring

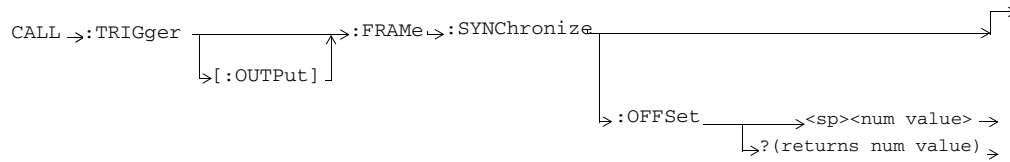
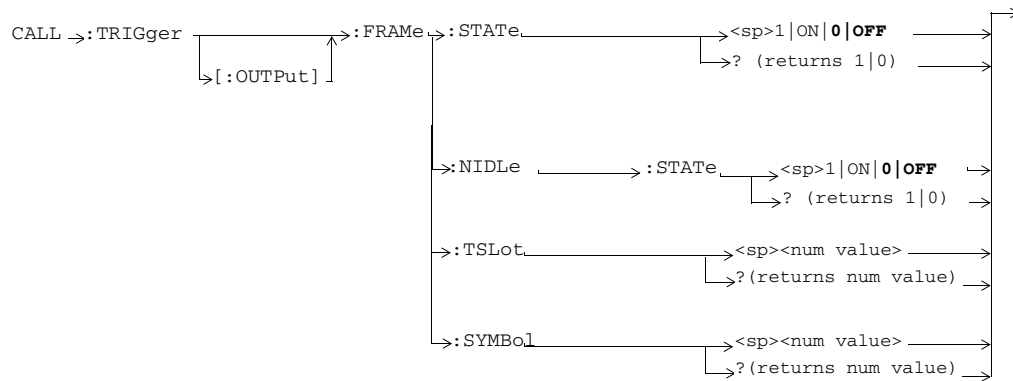


This command is not applicable to GSM.

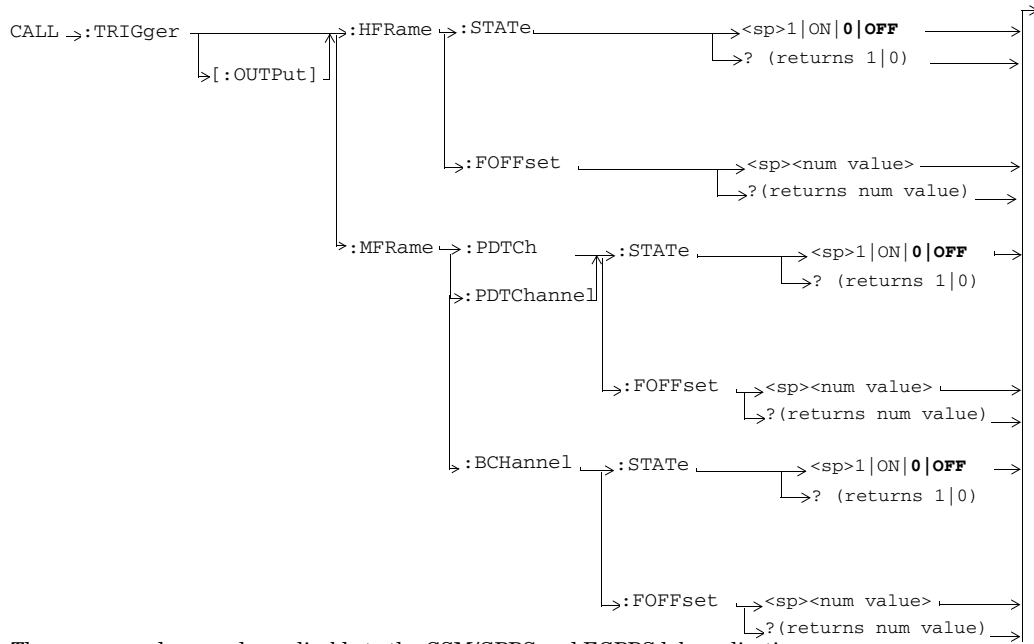
CALL:TRIGger



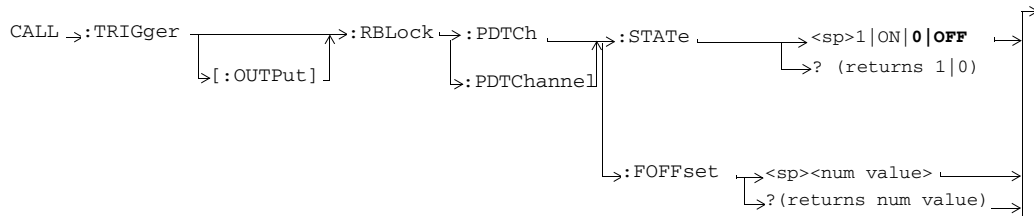
This command is only applicable to the GSM/GPRS and EGPRS lab applications.



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

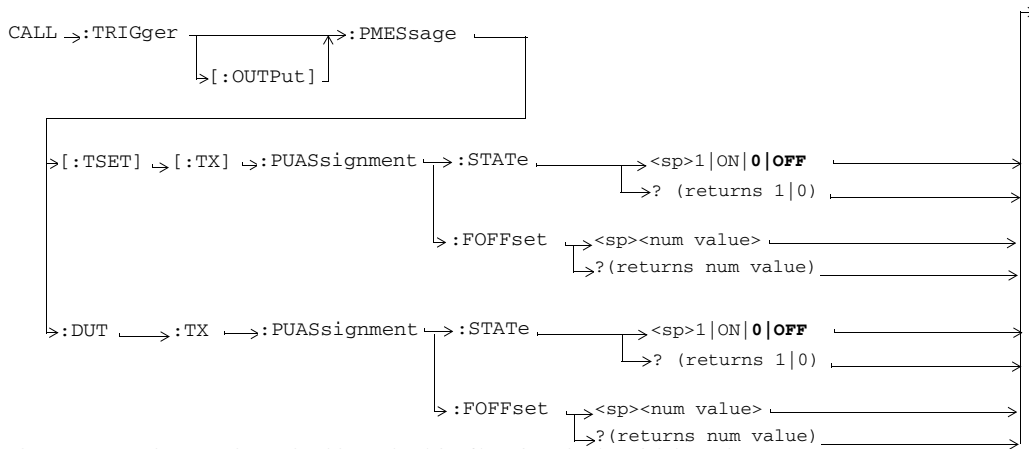


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

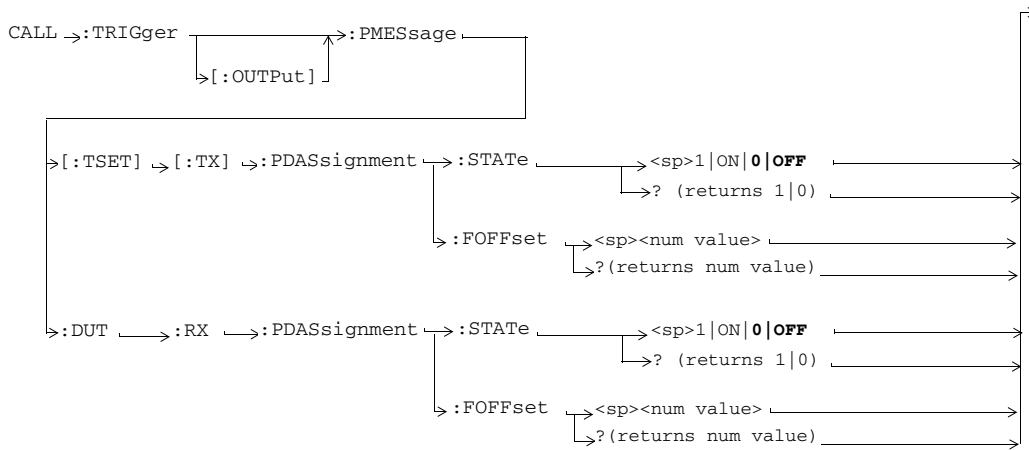


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

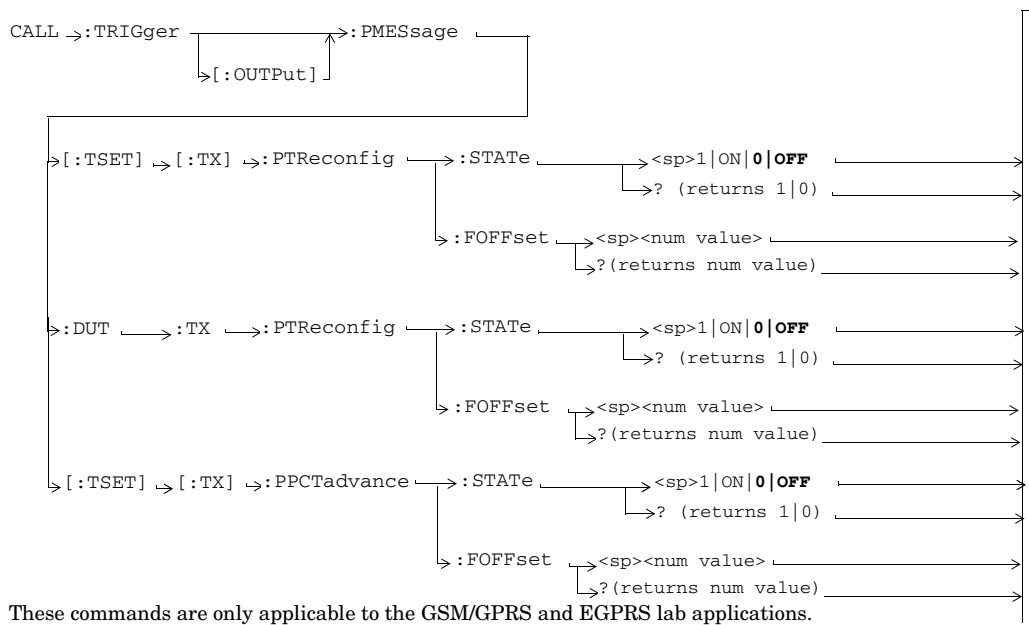
GPIB Syntax for E1968A, E6701D/E/T, and E6704A

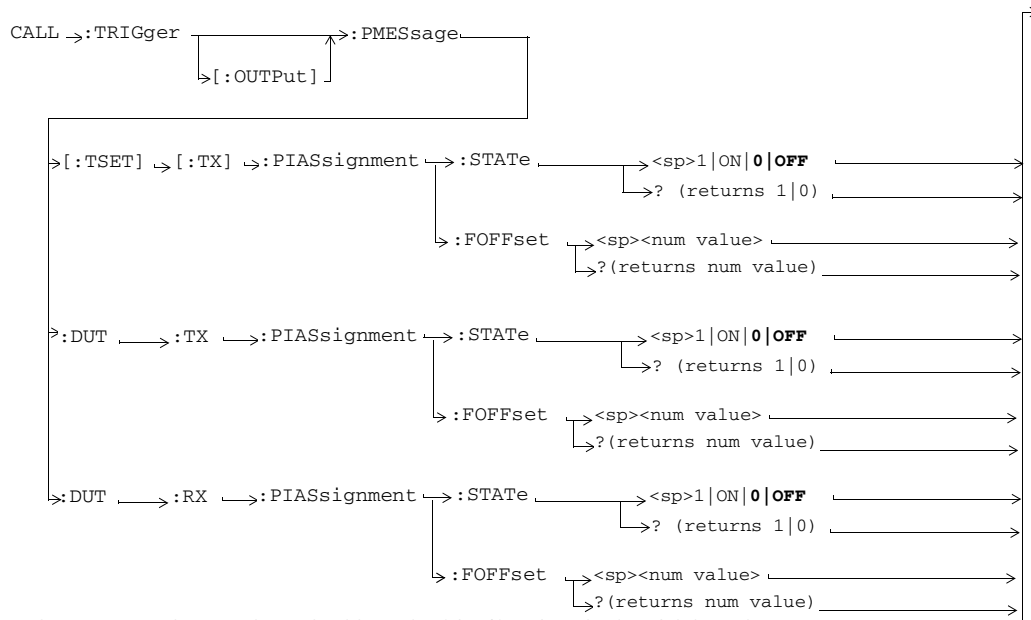


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

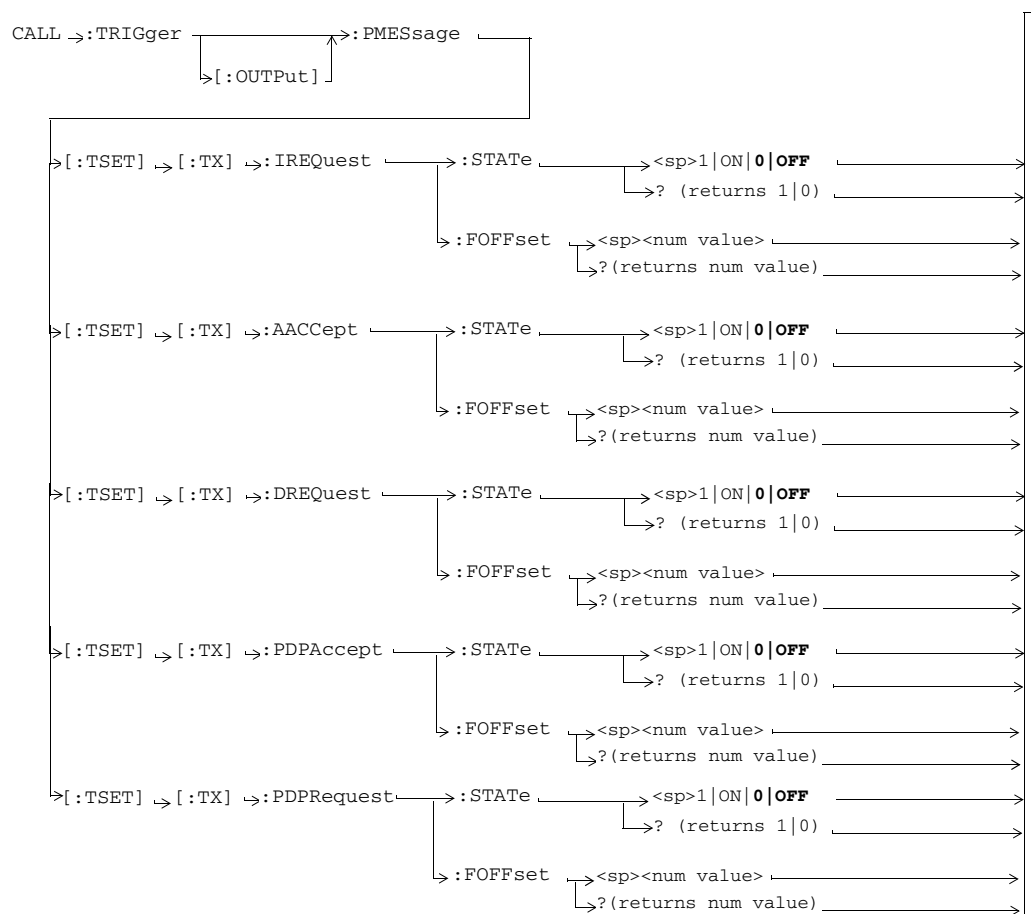


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



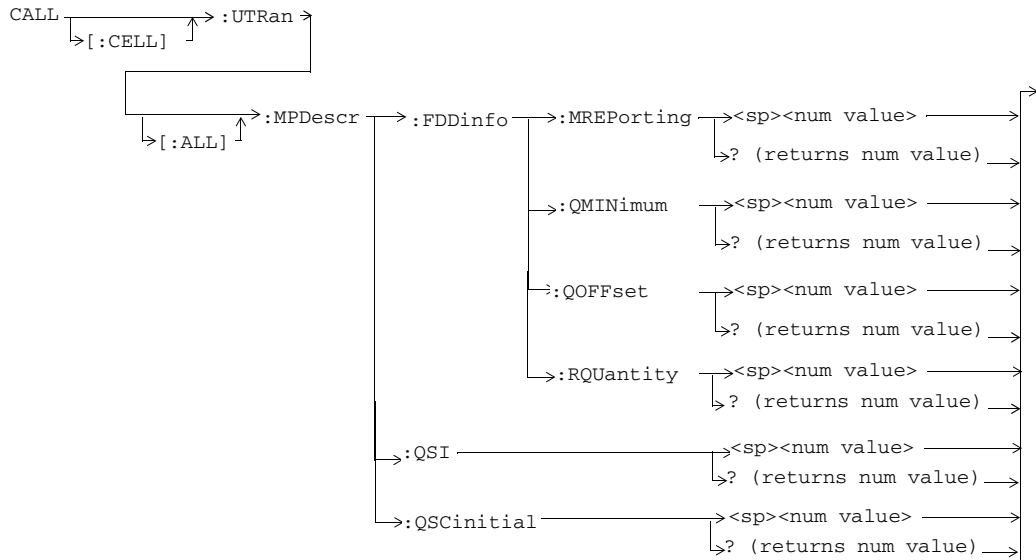
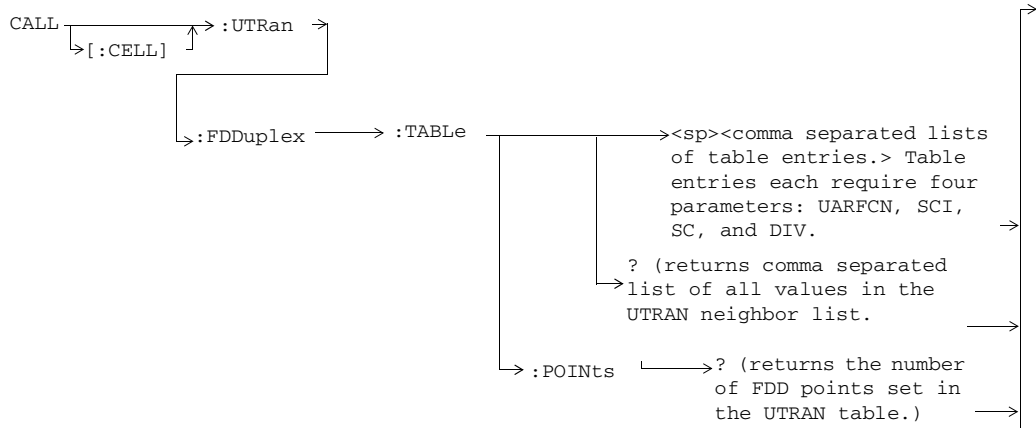


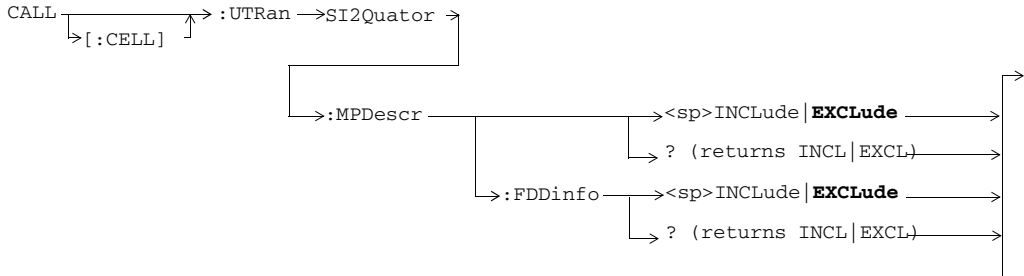
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



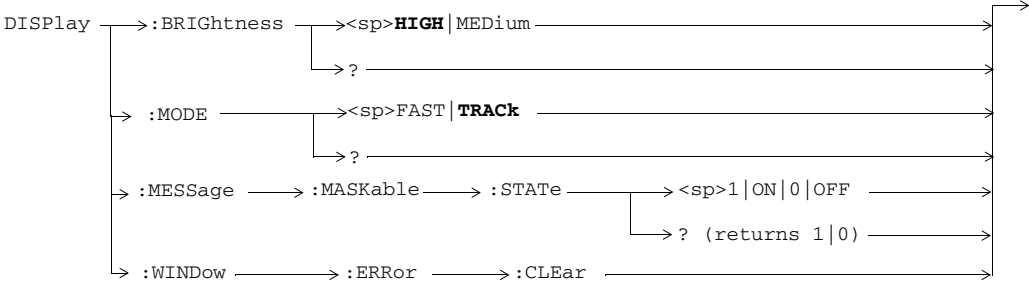
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

CALL:UTRan

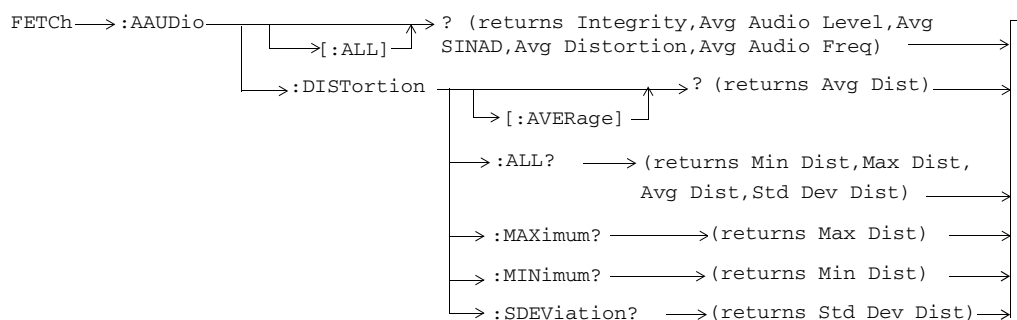




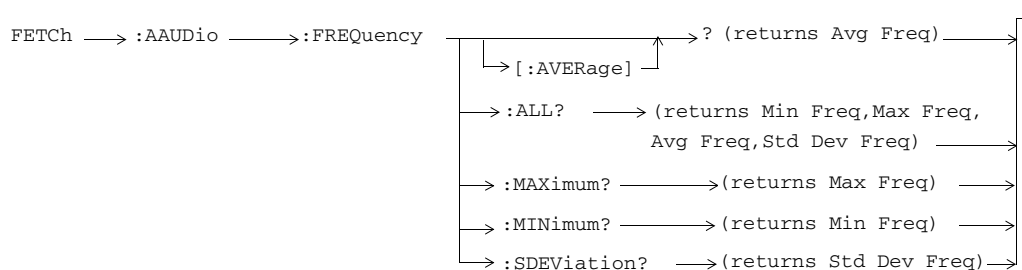
DISPlay



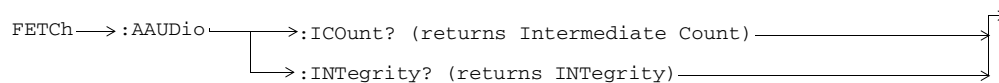
FETCH:AAudio



These commands are not applicable to GPRS.

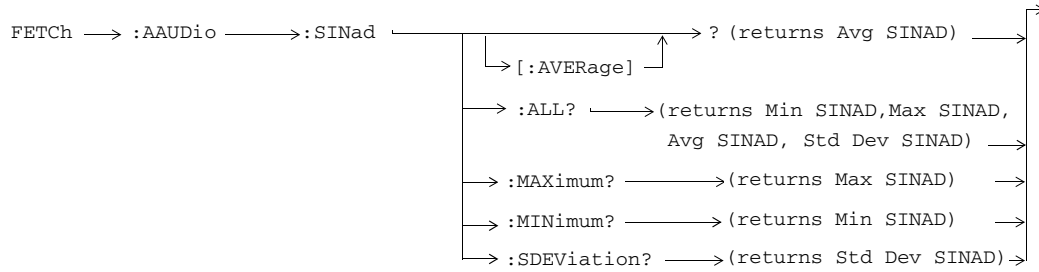


These commands are not applicable to GPRS.

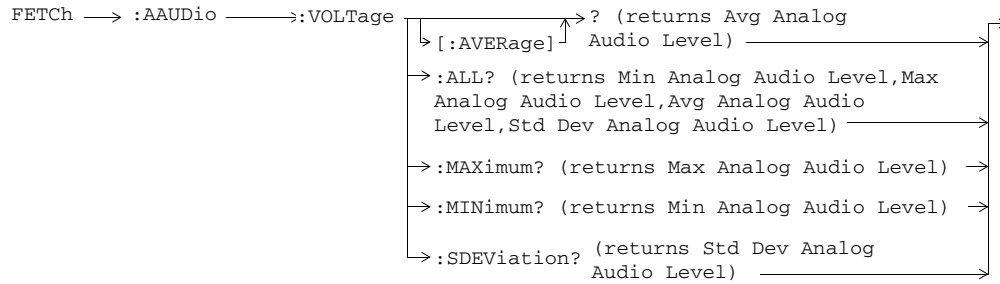


These commands are not applicable to GPRS.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A

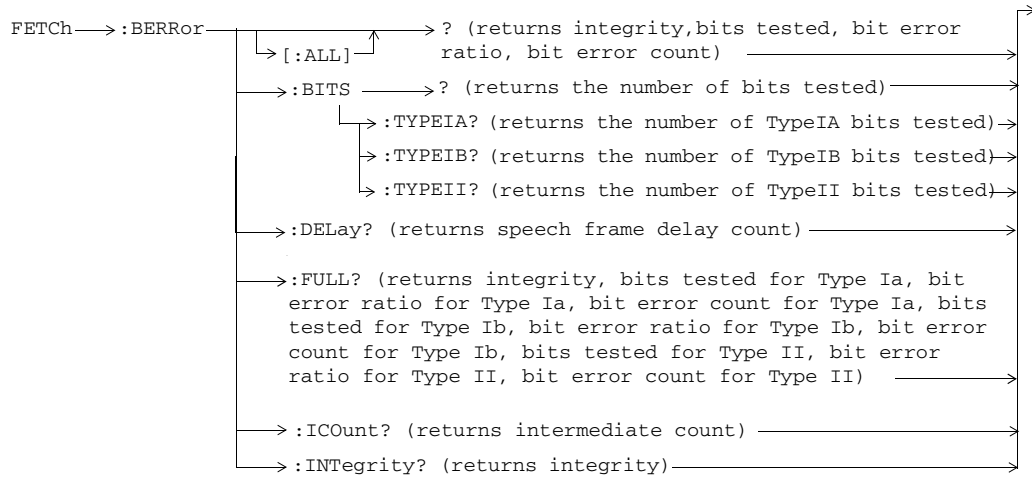


These commands are not applicable to GPRS.

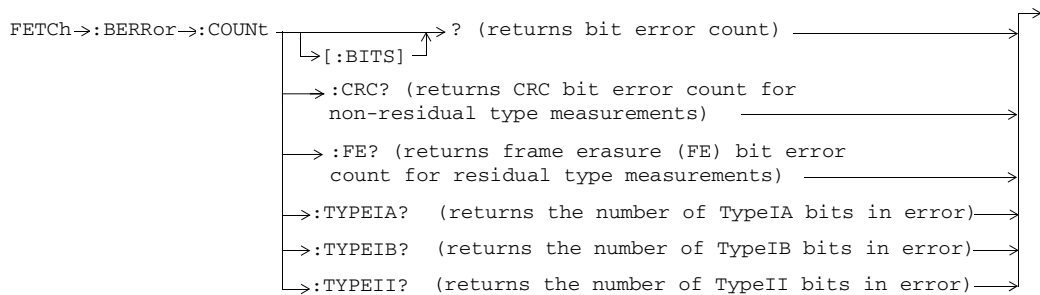


These commands are not applicable to GPRS.

FETCH:BERRor

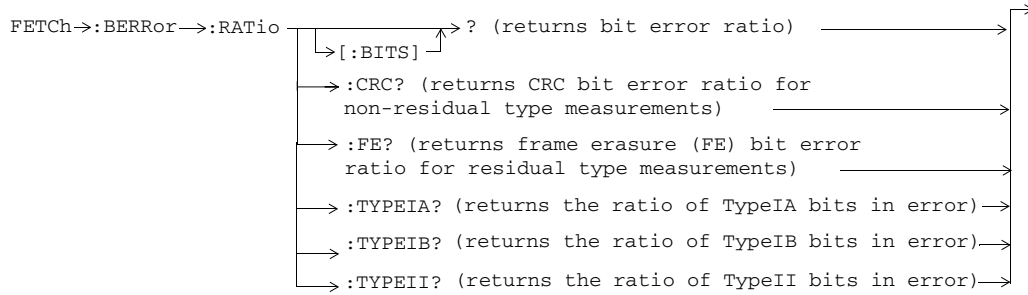


These commands are not applicable to GPRS or EGPRS.



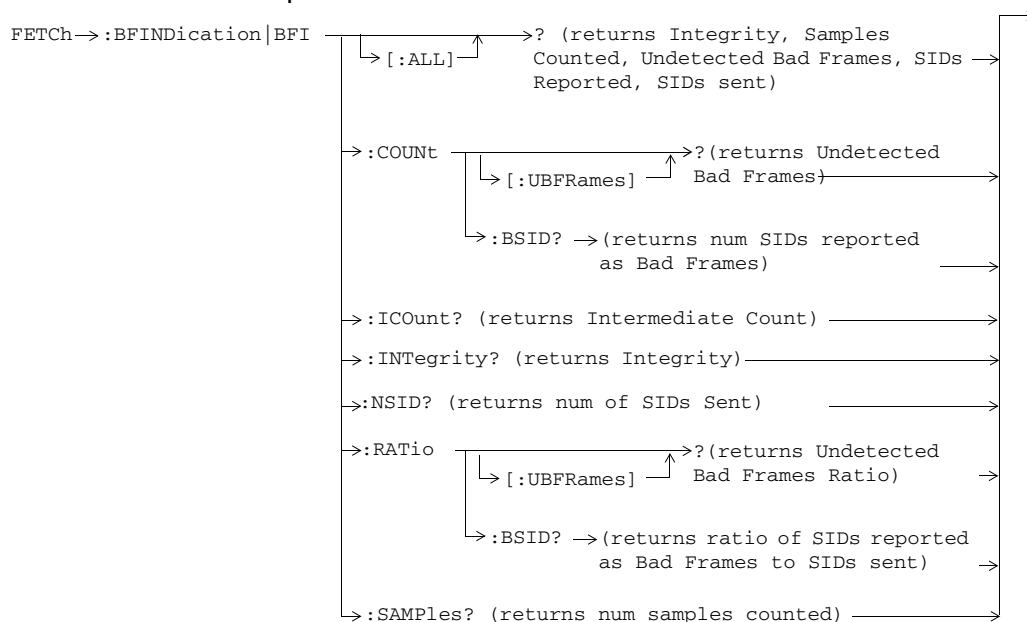
These commands are not applicable to GPRS or EGPRS.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A



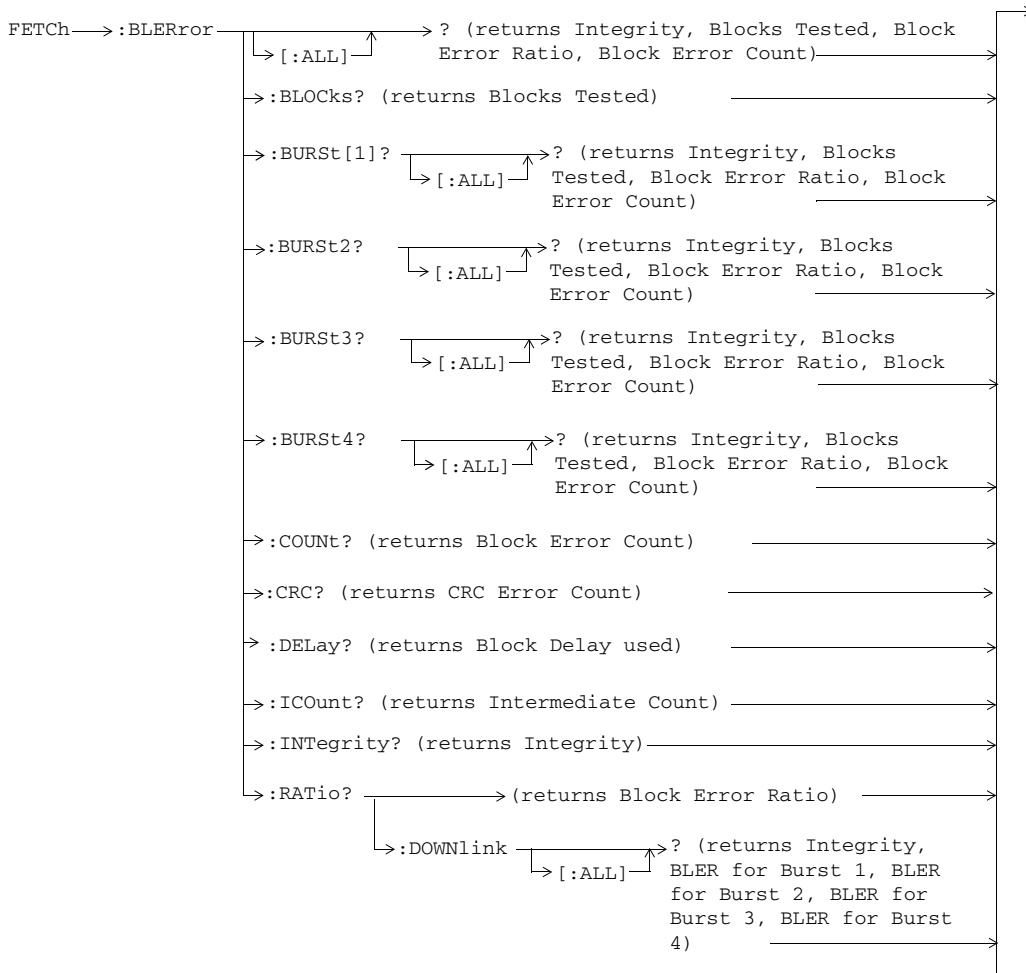
These commands are not applicable to GPRS or EGPRS.

FEtCh:<BFINDication|BFI>

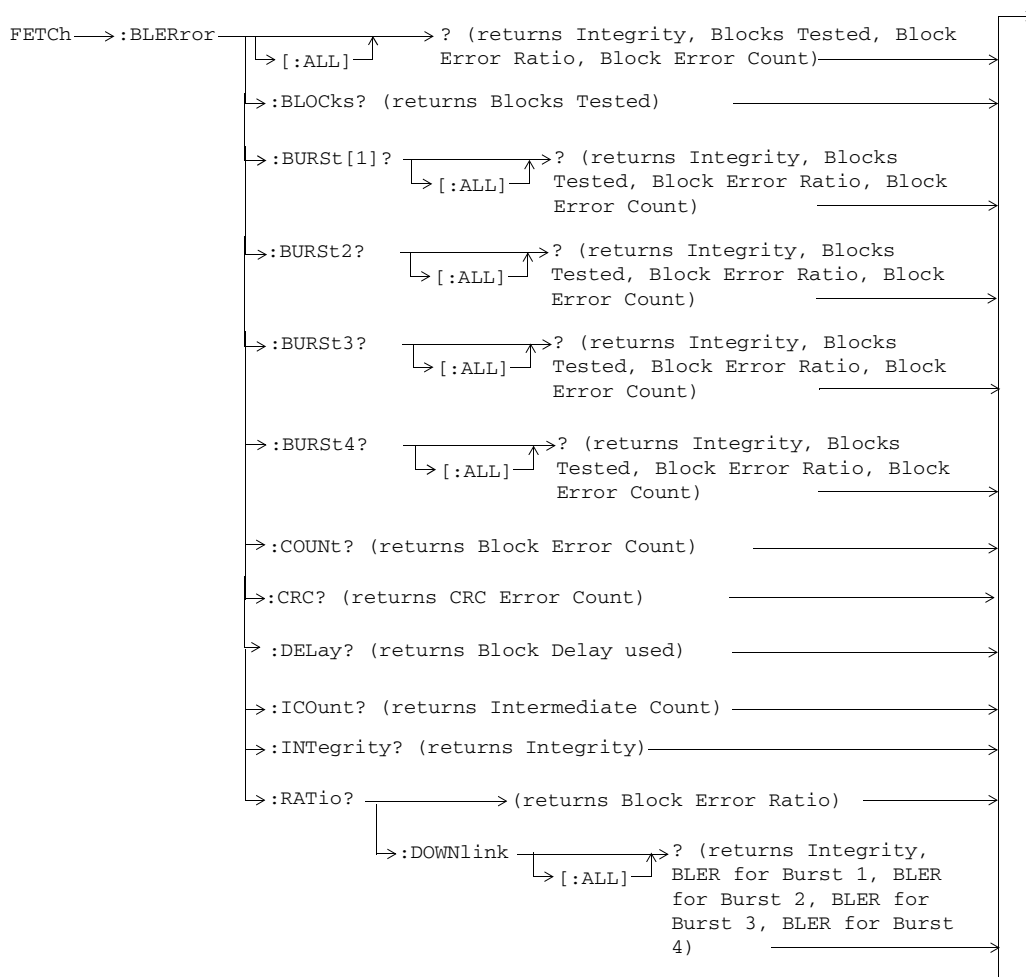


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

FEtCh:BLERror

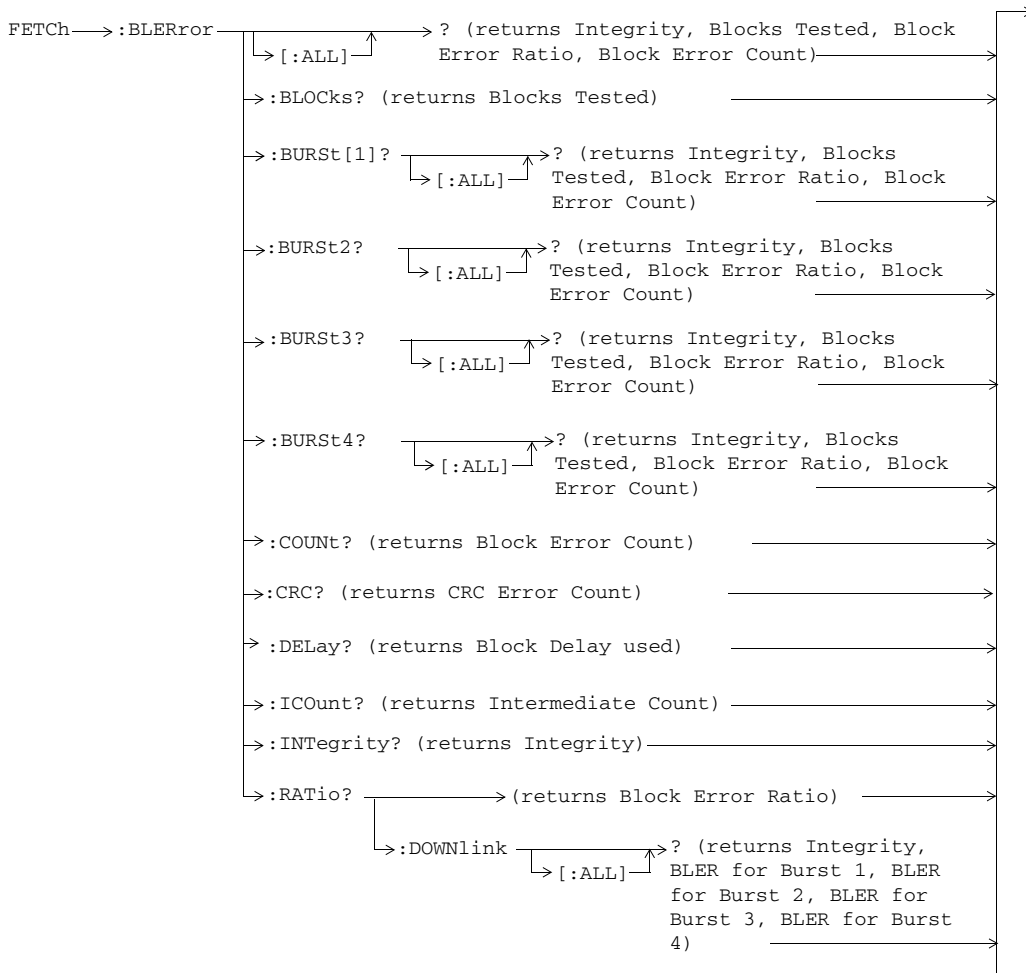


These commands are not applicable to GSM.

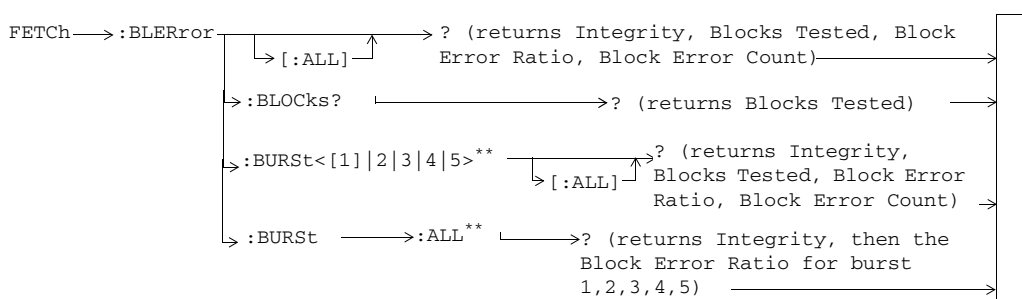


These commands are not applicable to GSM.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A

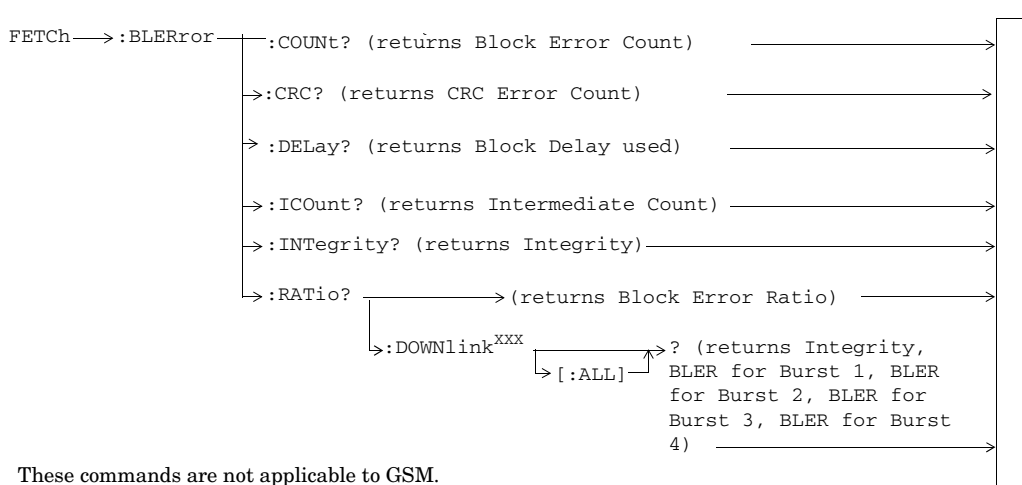


These commands are not applicable to GSM.



These commands are not applicable to GSM.

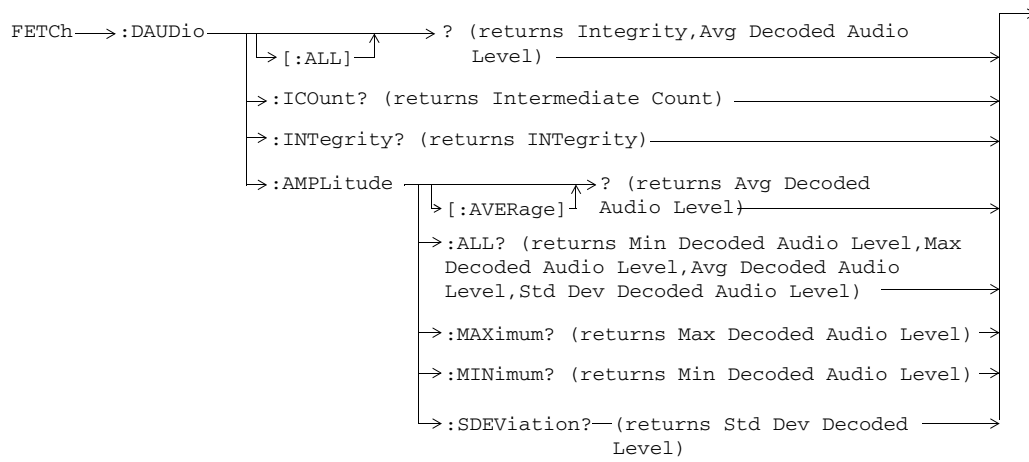
** These commands are only applicable to the E6701E lab application.



These commands are not applicable to GSM.

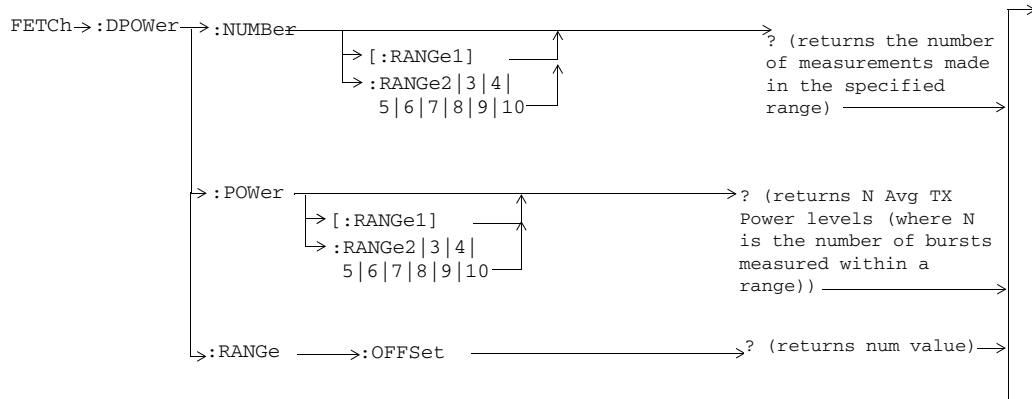
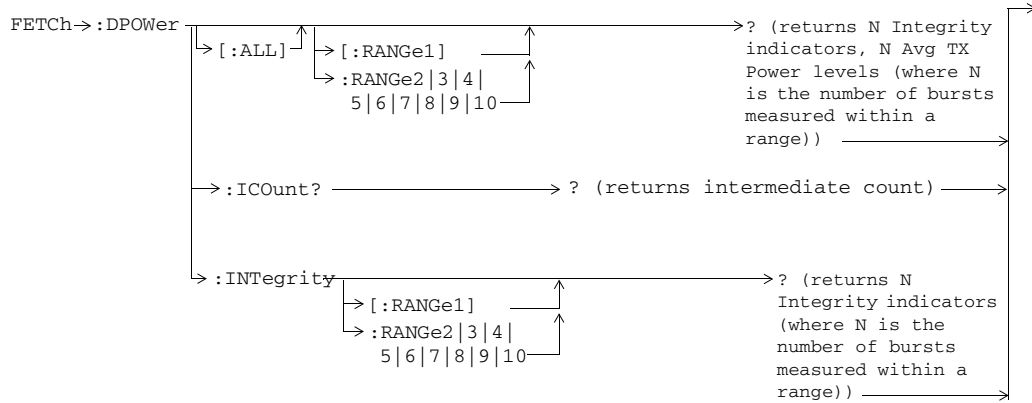
xxx This command is obsolete.

FETCH:DAUDIO

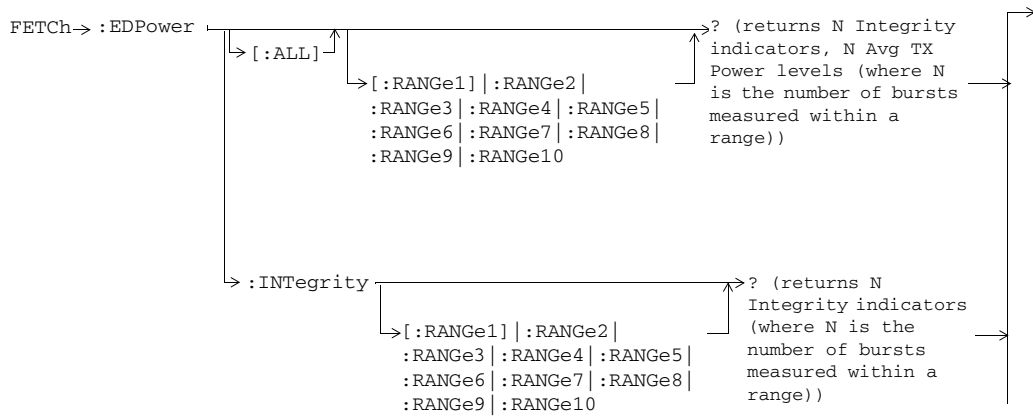


These commands are not applicable to GPRS.

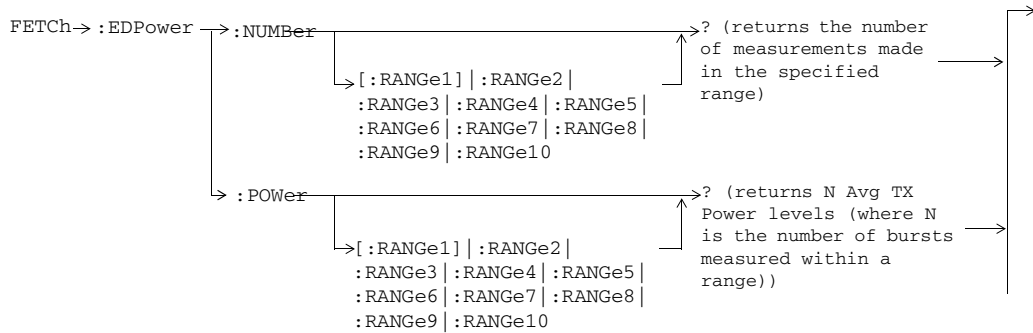
FEtCh:DPOWer



FETCH:EDPower

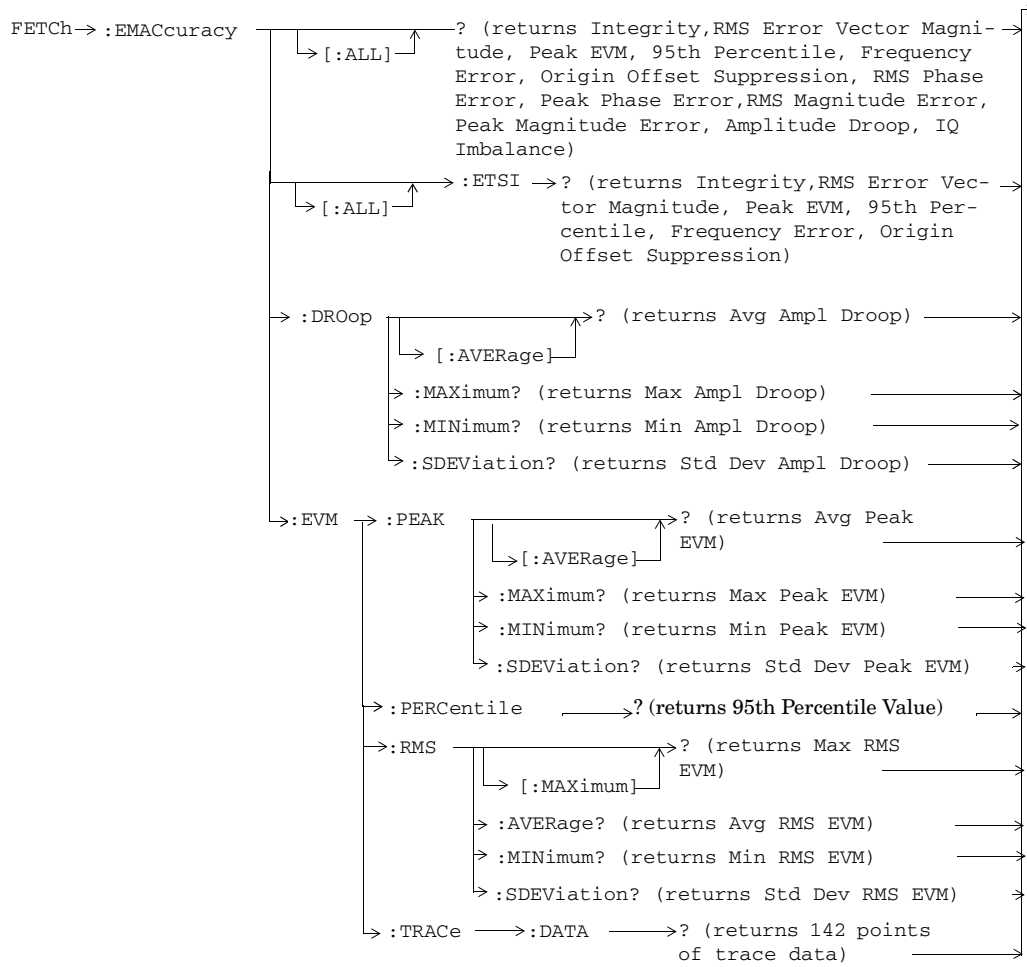


These commands are only applicable to EGPRS.



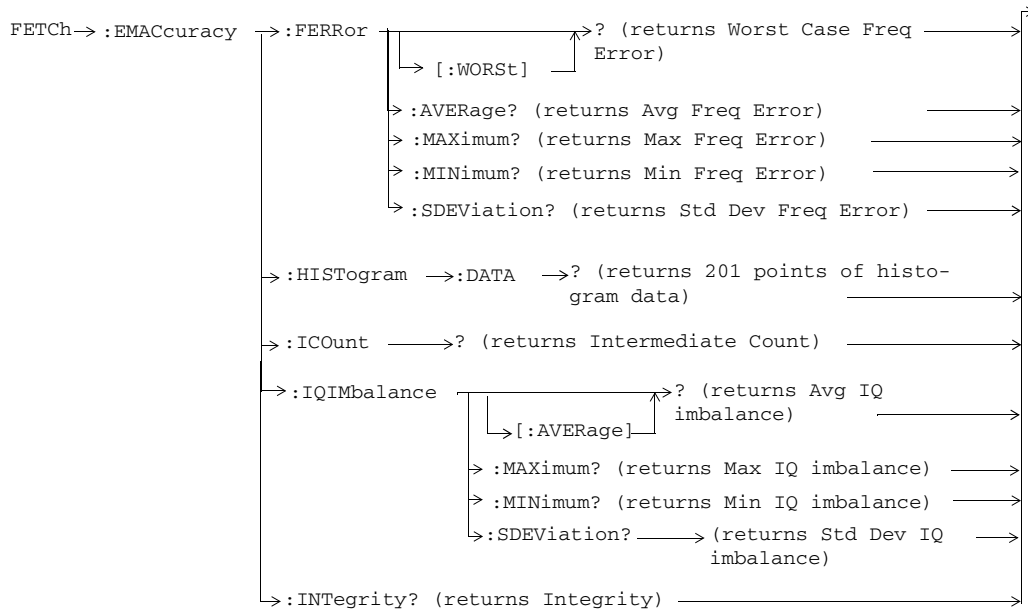
These commands are only applicable to EGPRS.

FETCH:EMACcuracy

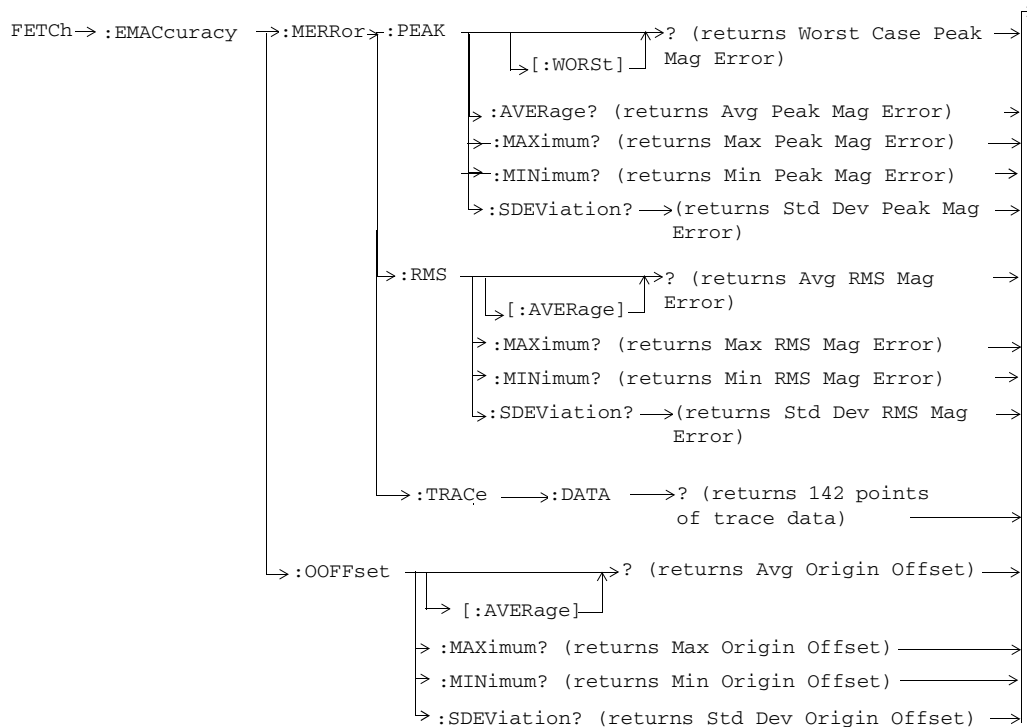


These commands are only applicable to EGPRS.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A

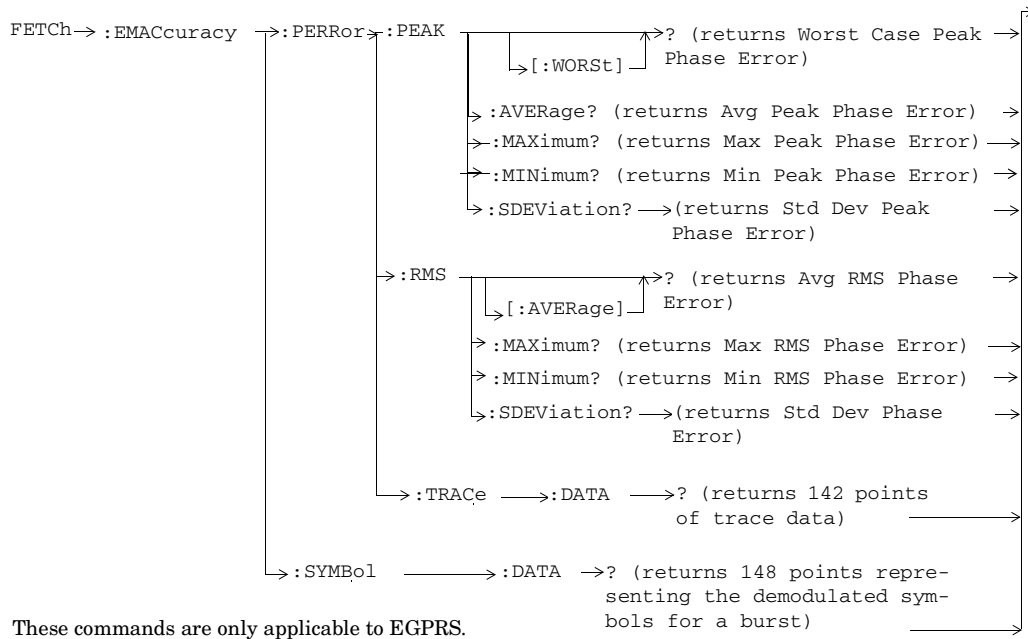


These commands are only applicable to EGPRS.

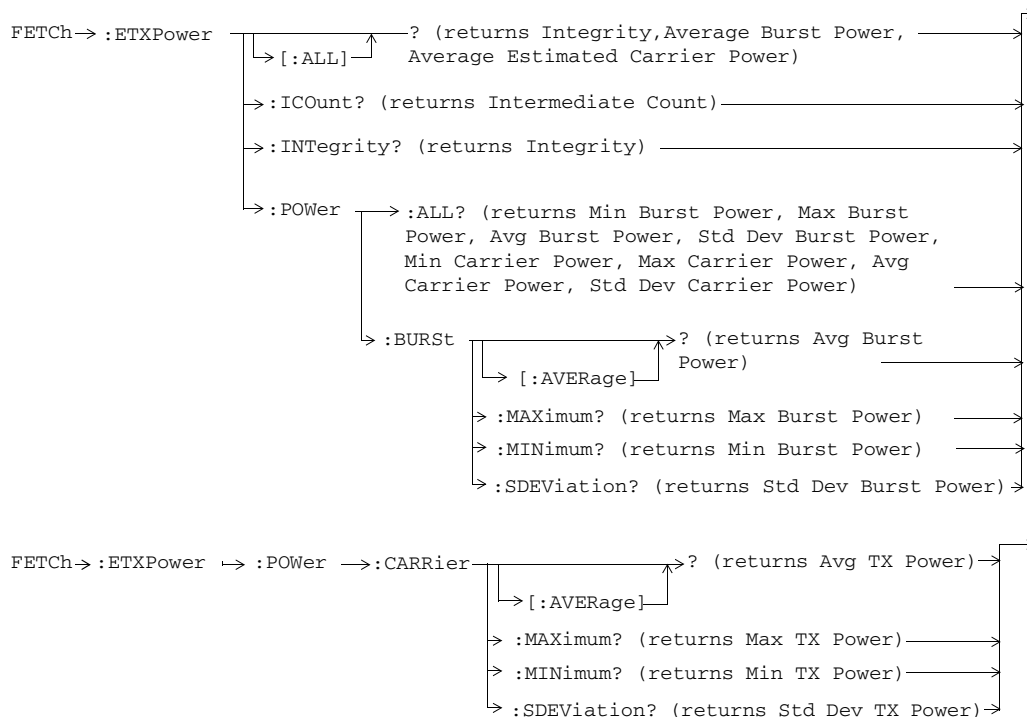


These commands are only applicable to EGPRS.

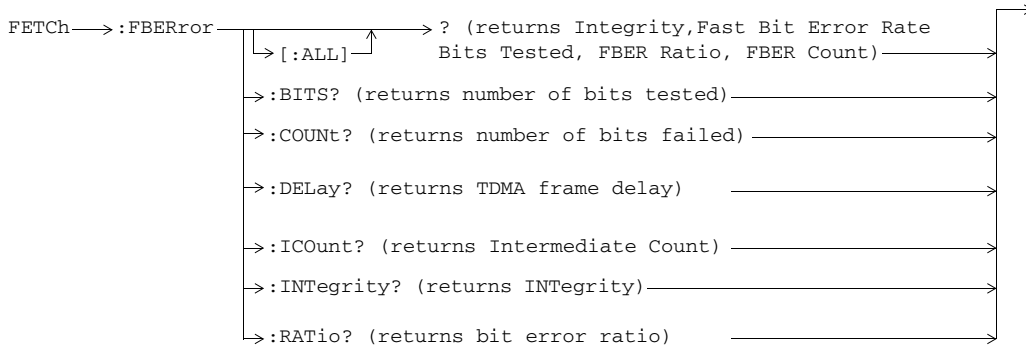
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



FETCH:ETXPower

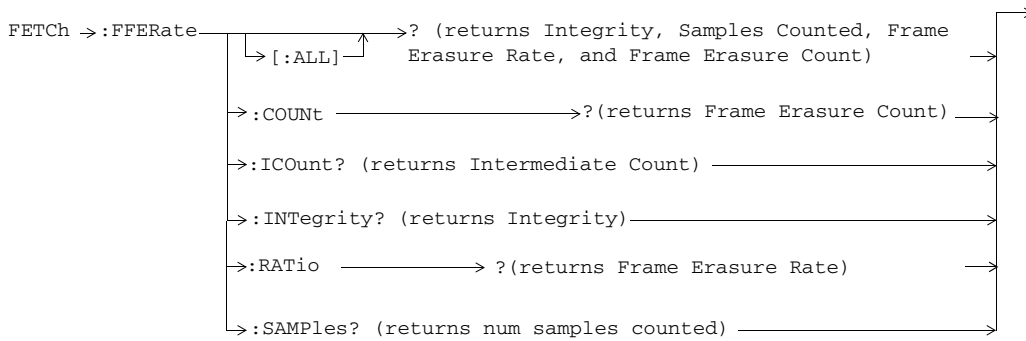


FETCh:FBERror



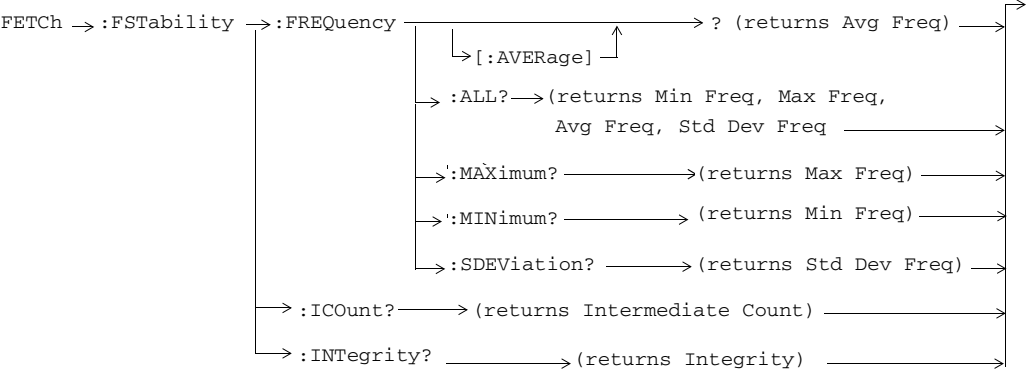
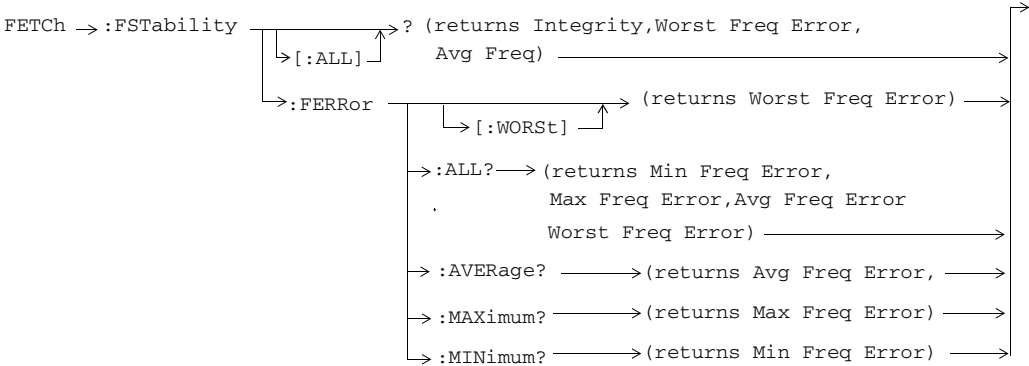
These commands are not applicable to GPRS.

FETCh:FFERate

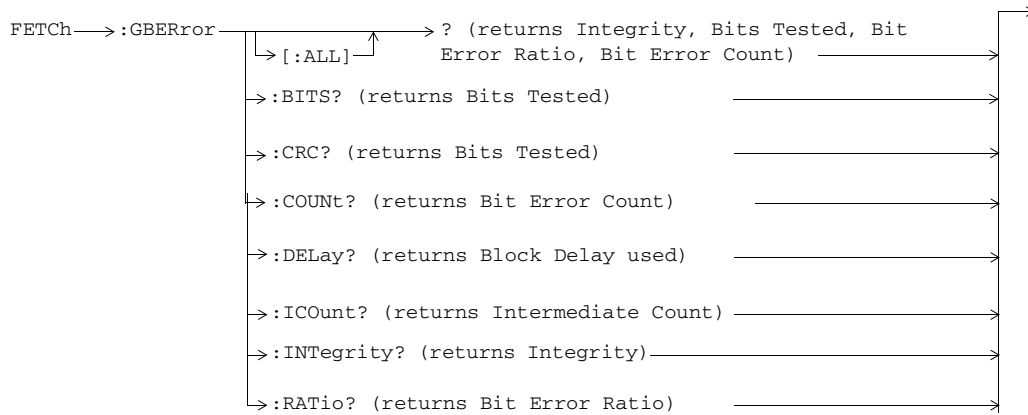


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

FETCH:FSTability

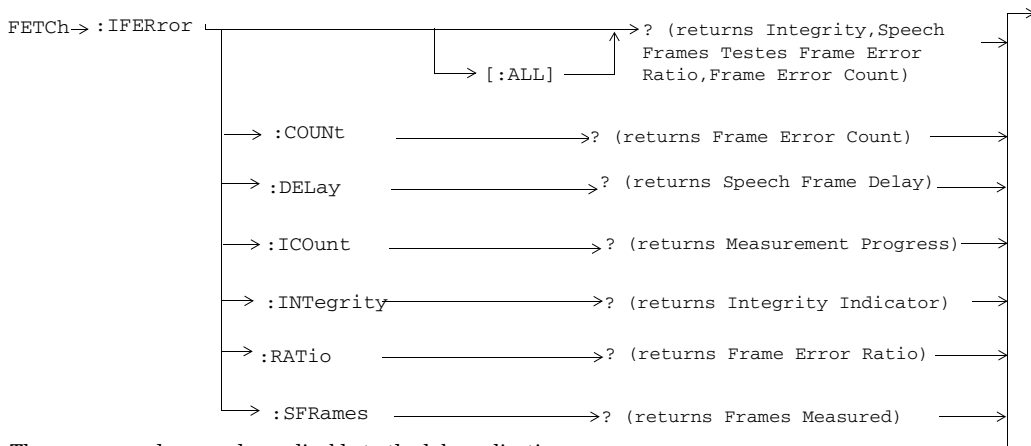


FETCH:GBERror



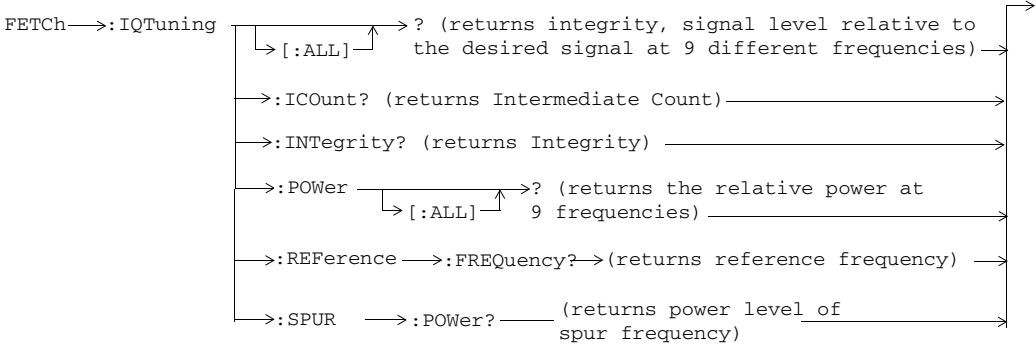
These commands are not applicable to GSM.

FETCH:IFERror

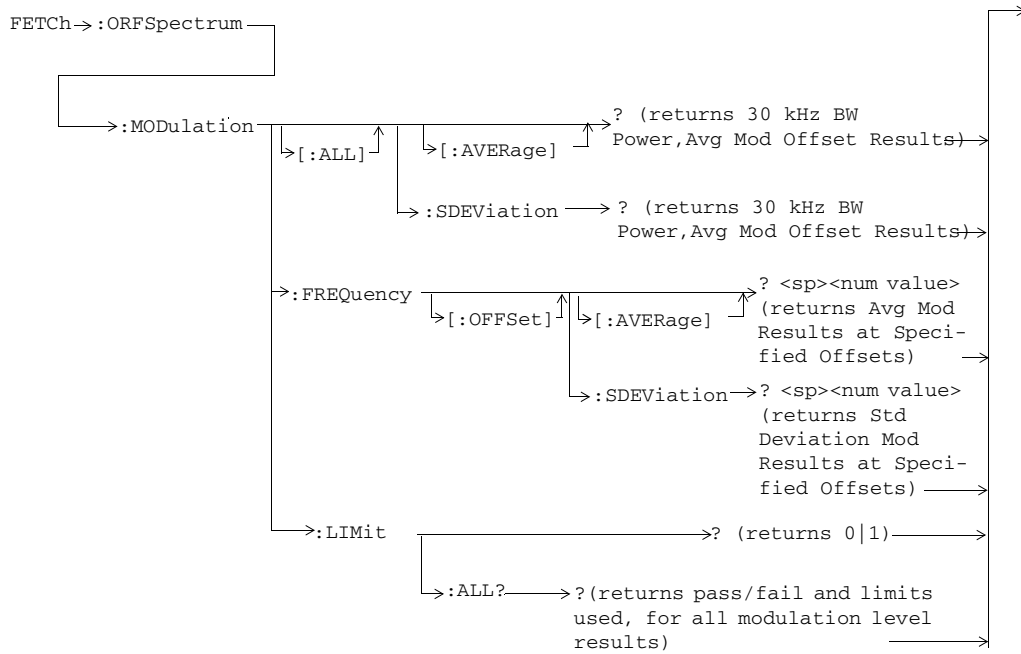
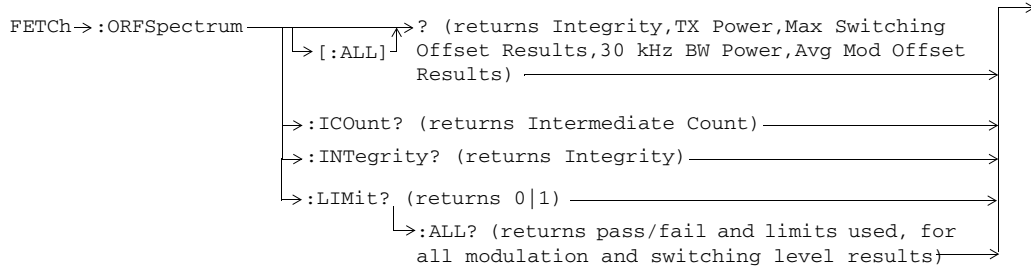


These commands are only applicable to the lab applications.

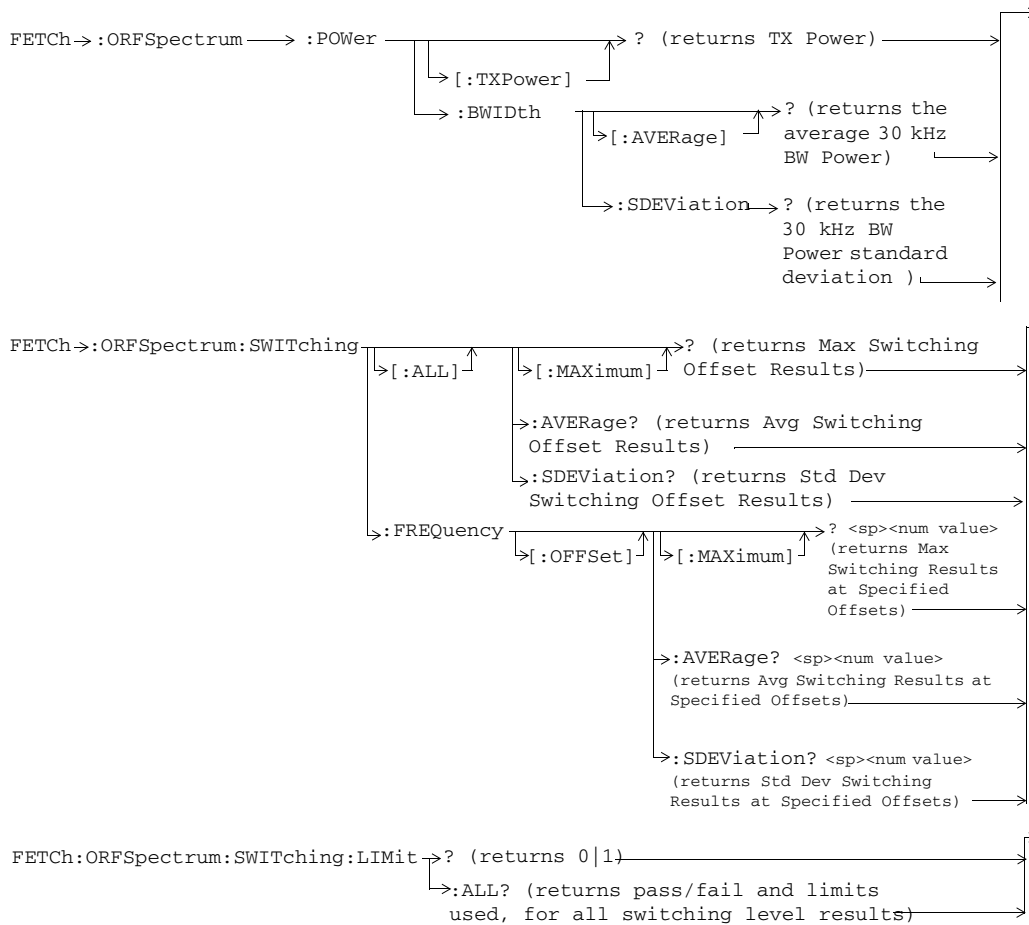
FETCH:IQTuning



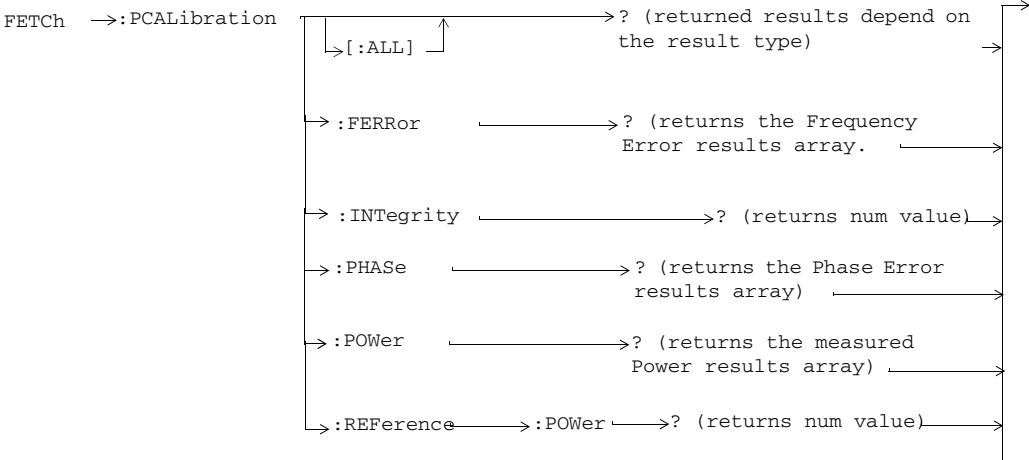
FEtCh:ORFSpectrum



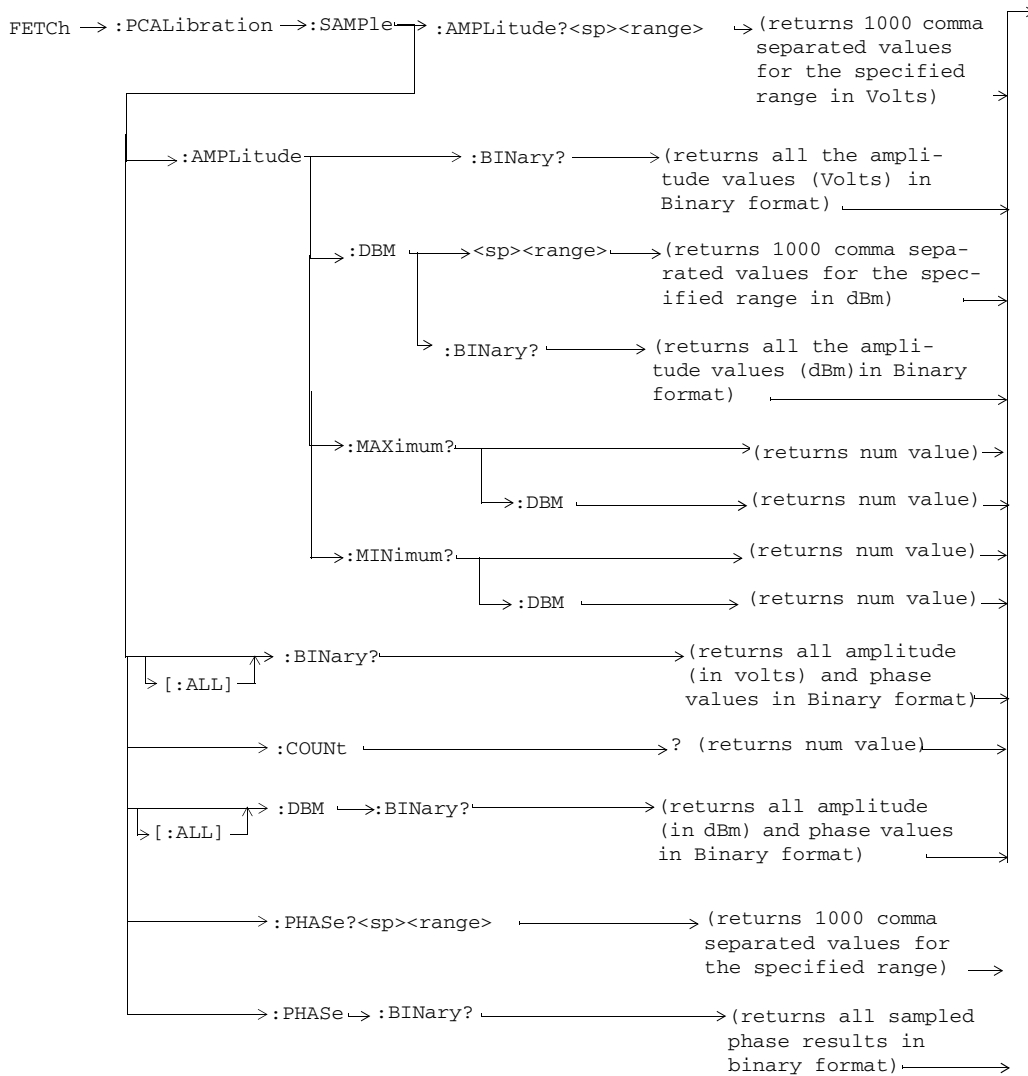
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



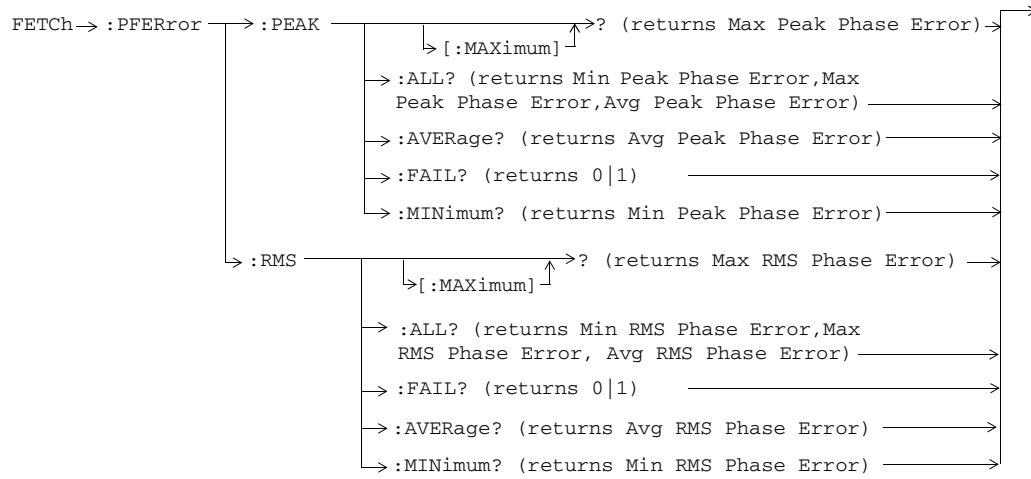
FETCH:PCALibration



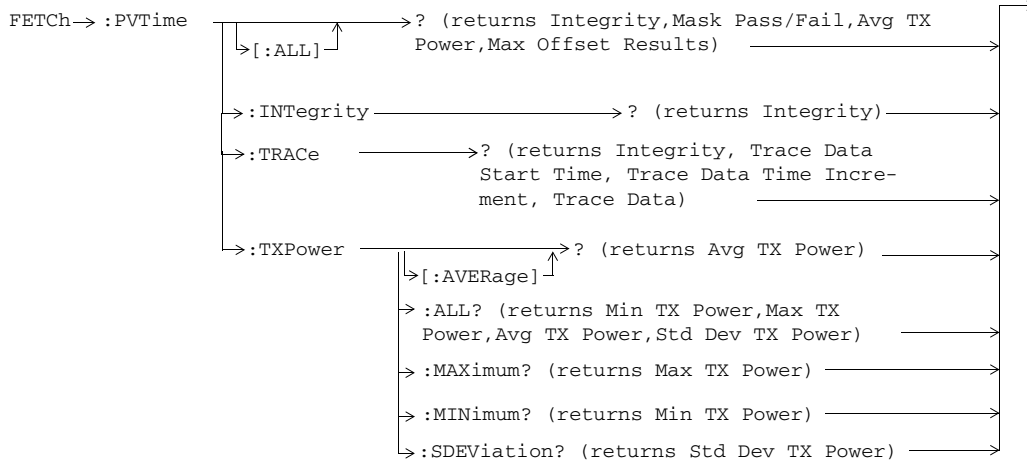
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



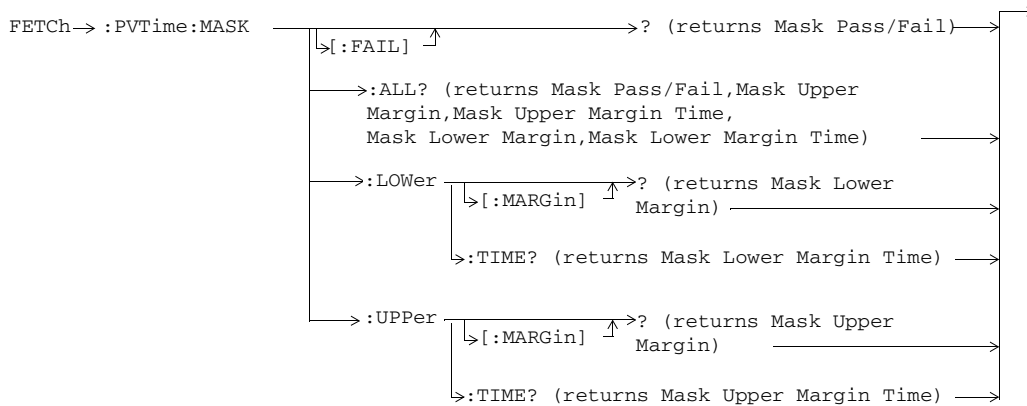
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



FETCH:PVTime

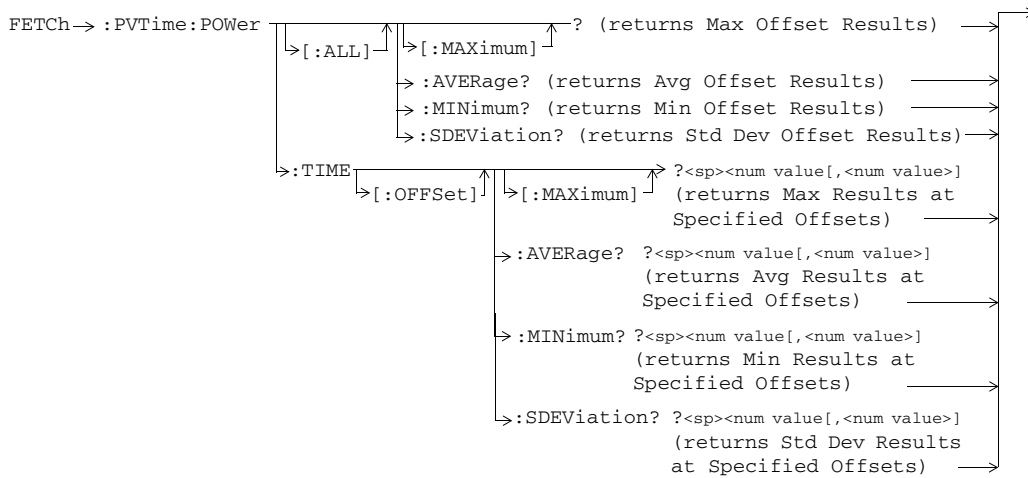


These commands are not applicable to GPRS or EGPRS.

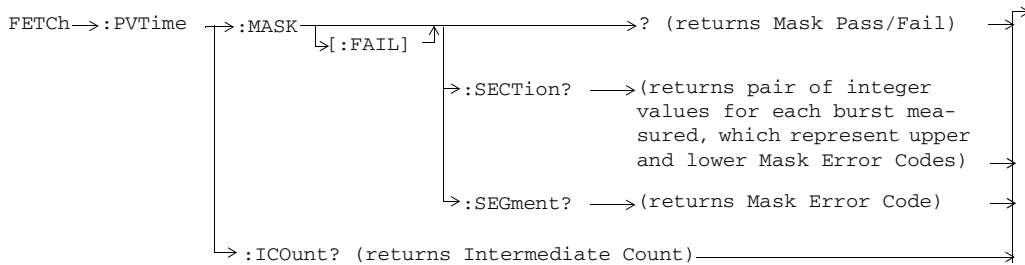


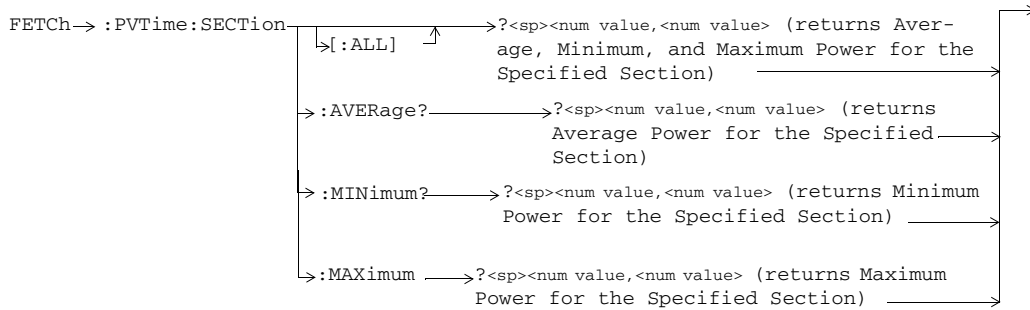
These commands are not applicable to GPRS or EGPRS.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A

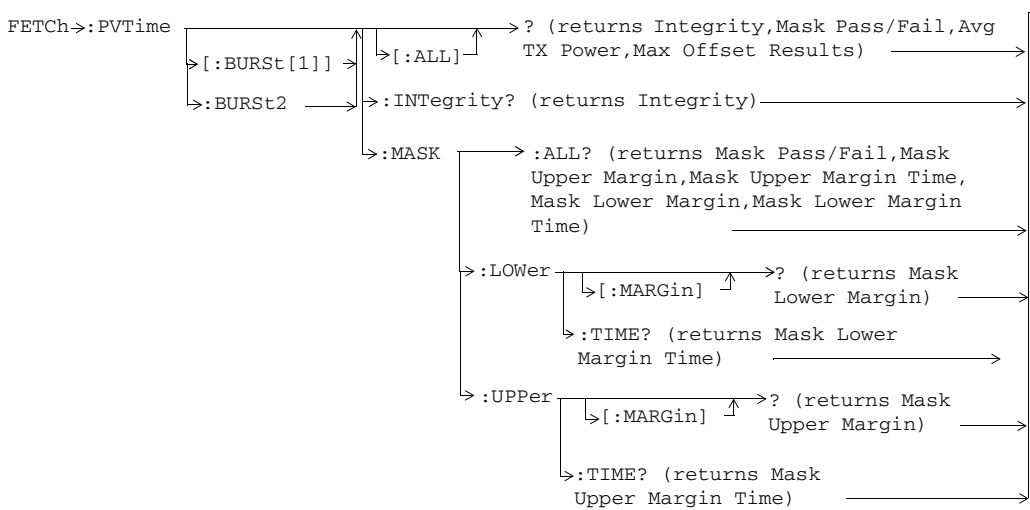


These commands are not applicable to GPRS or EGPRS.



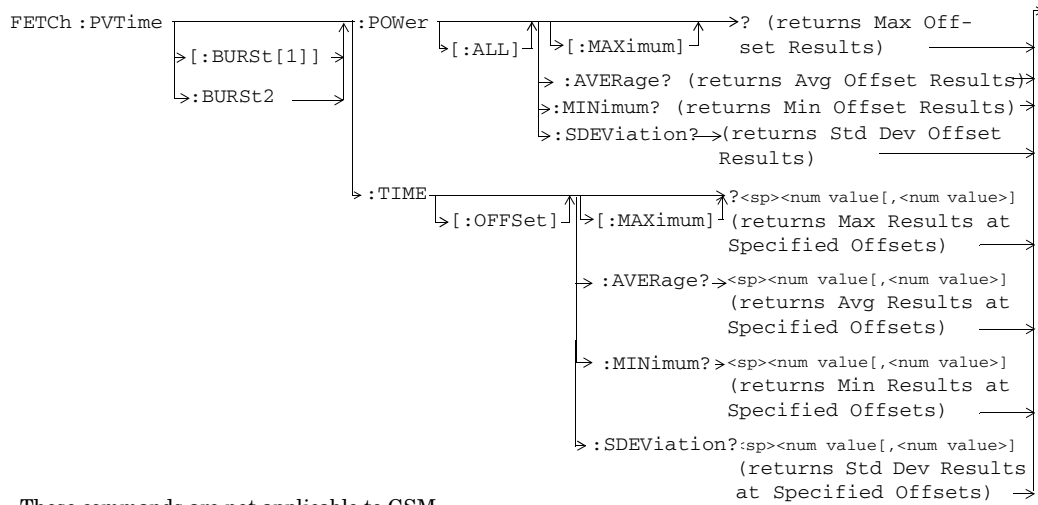


These commands are not applicable to GPRS or EGPRS.

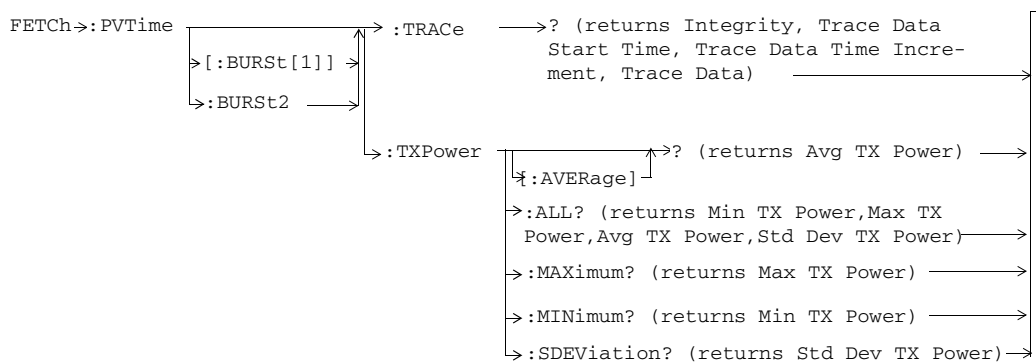


These commands are not applicable to GSM.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A

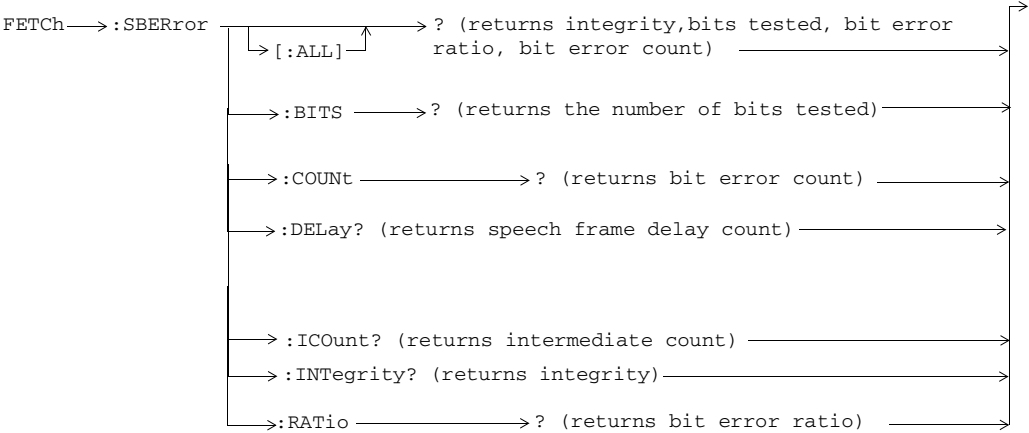


These commands are not applicable to GSM.



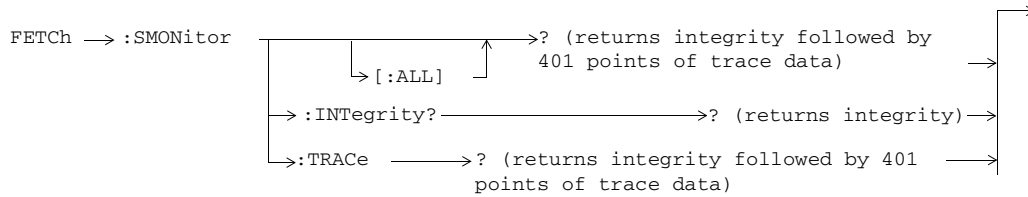
These commands are not applicable to GSM.

FEtCh:SBERror

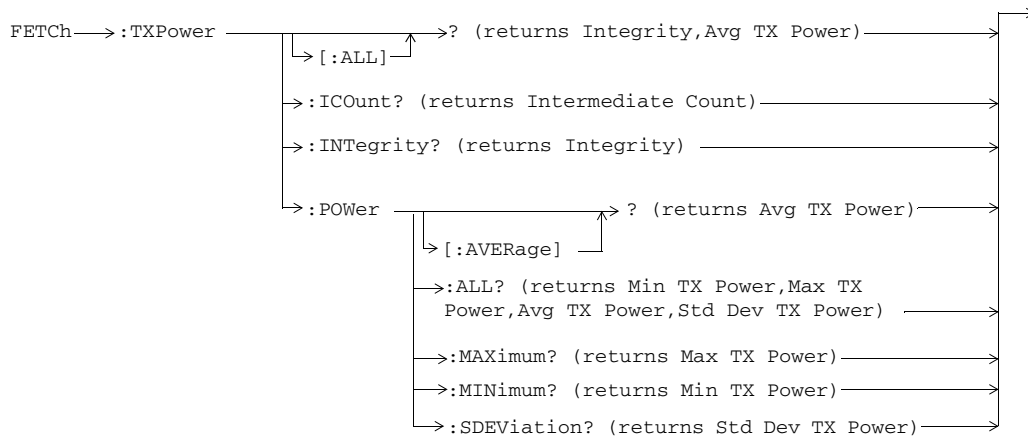


These commands are only applicable to EGPRS.

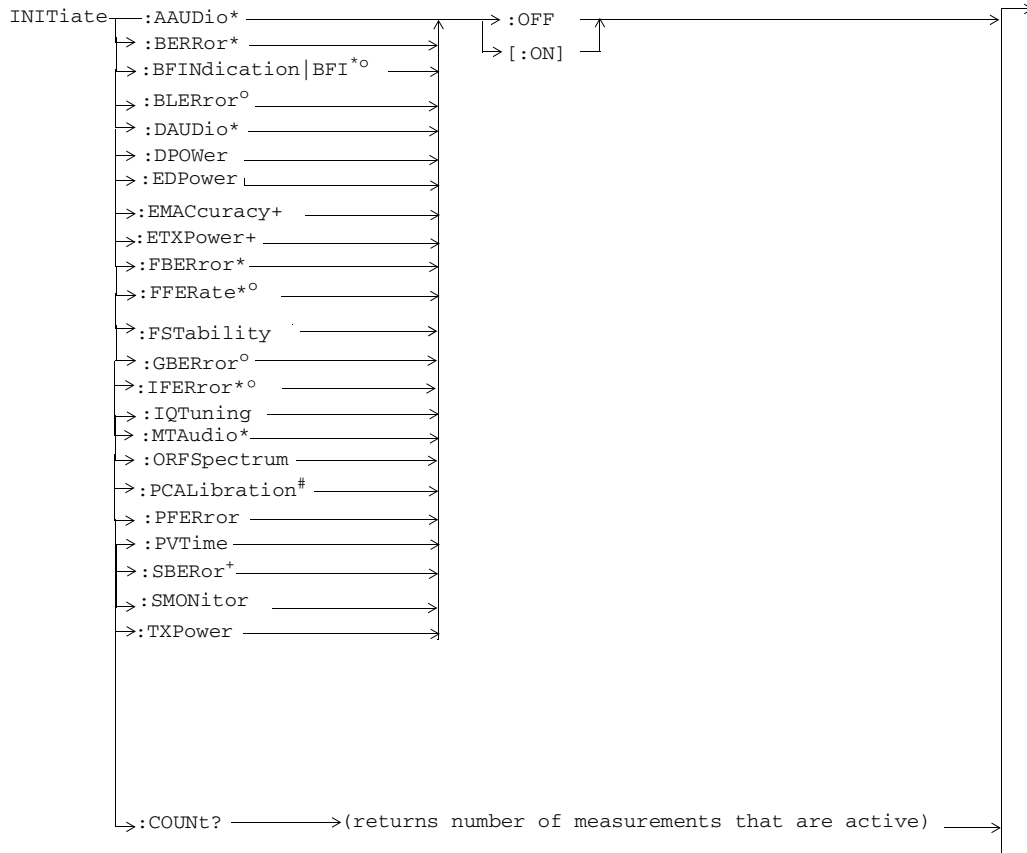
FETCH:SMONitor



FETCH:TXPower



INITiate



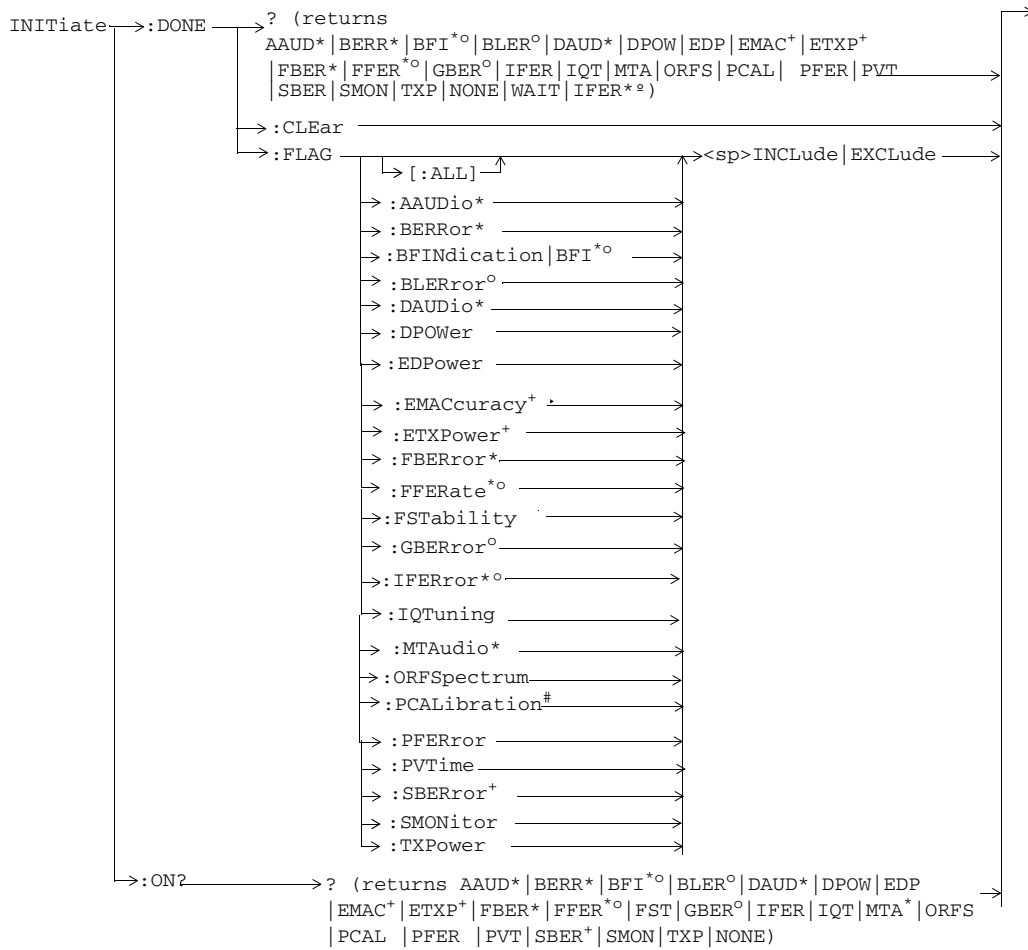
* Not applicable to the GPRS test application

^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.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A



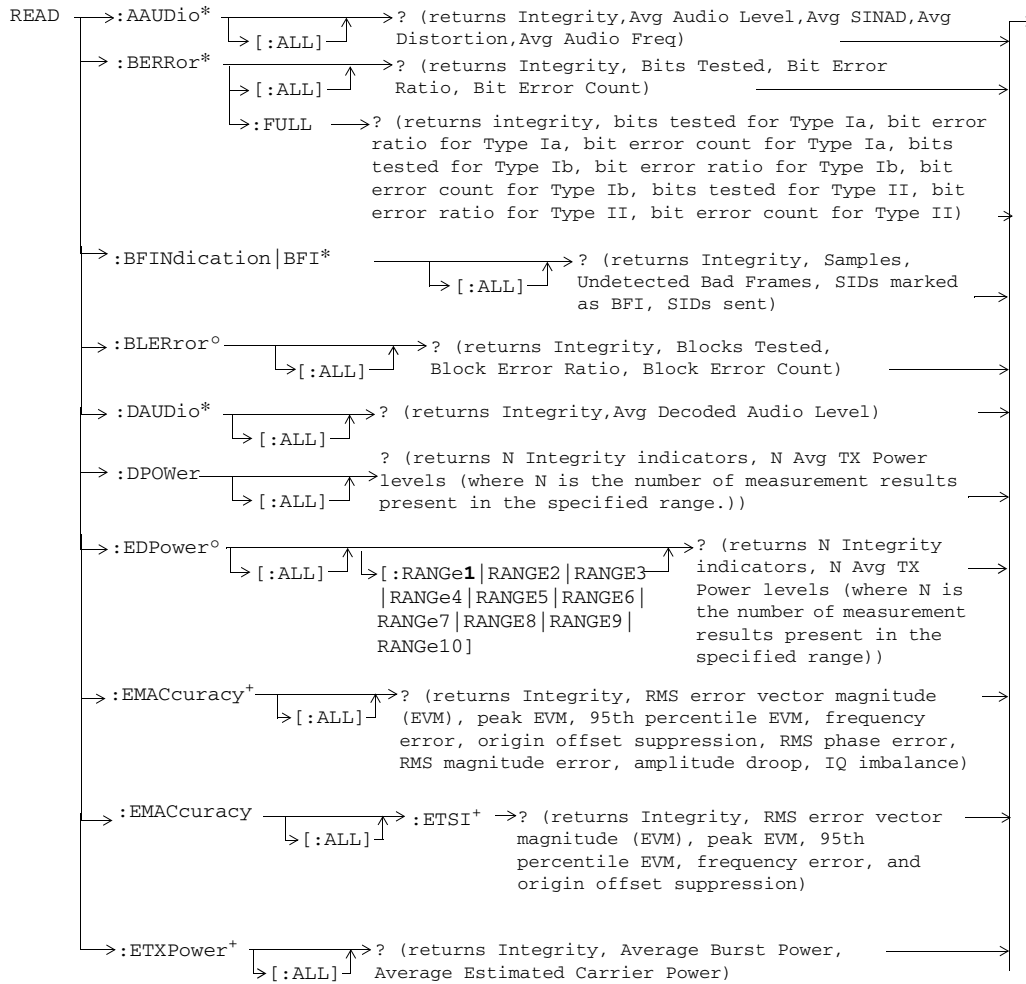
* Not applicable to the GPRS test application

° 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

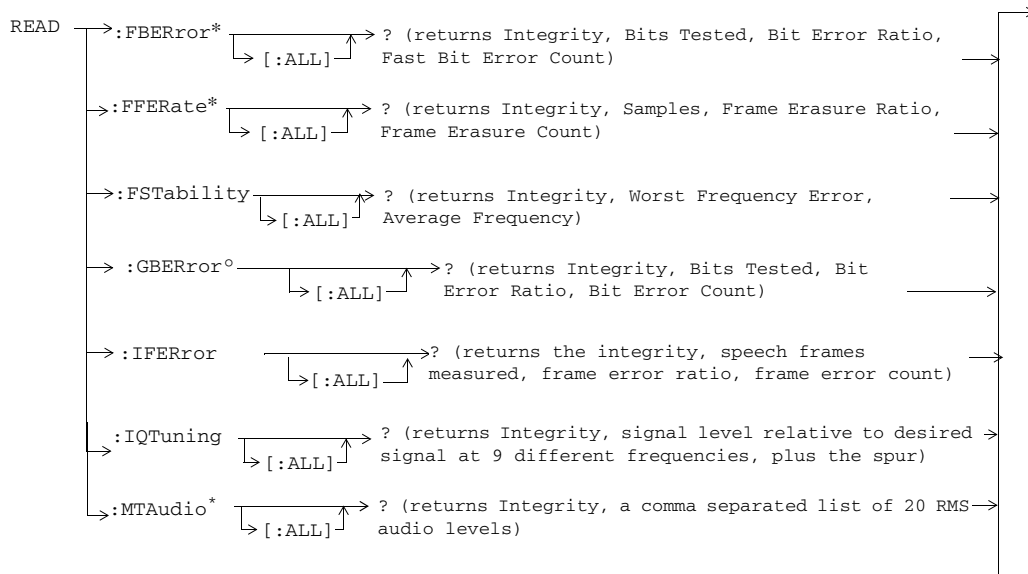


* These commands are not applicable to GPRS.

° These commands are not applicable to GSM.

+ These command is only applicable to EGPRS.

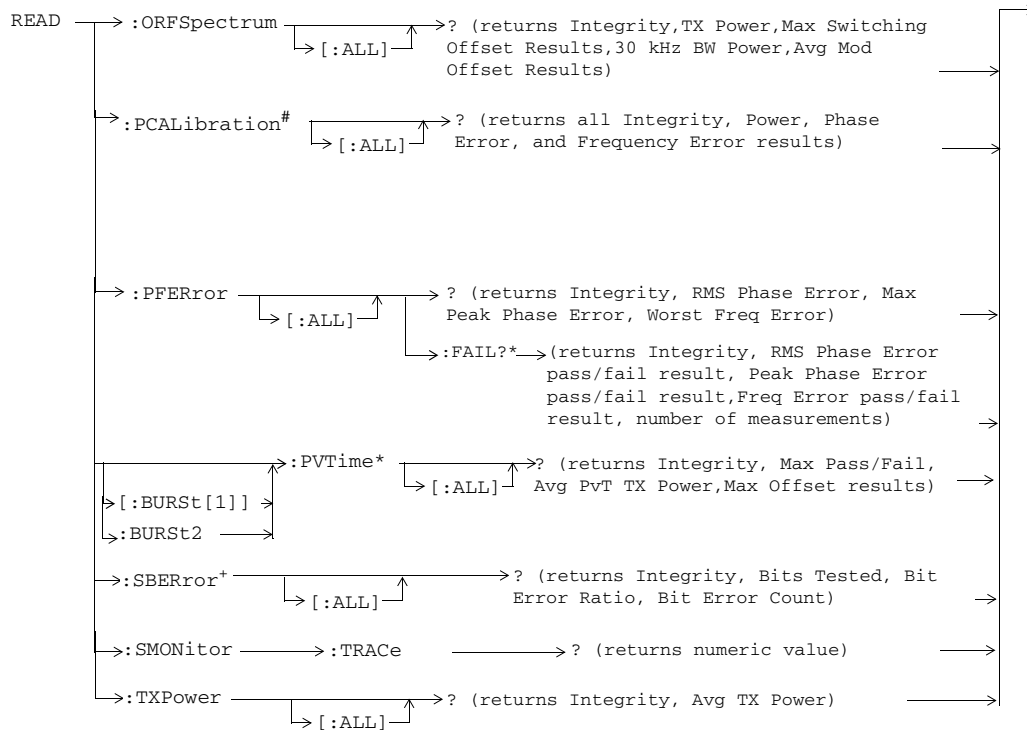
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



* These commands are not applicable to GPRS.

° These commands are not applicable to GSM.

+ These command is only applicable to EGPRS.

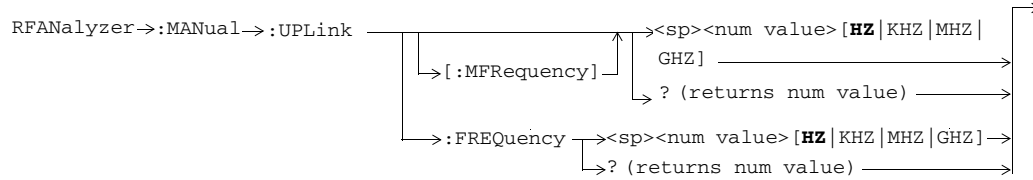
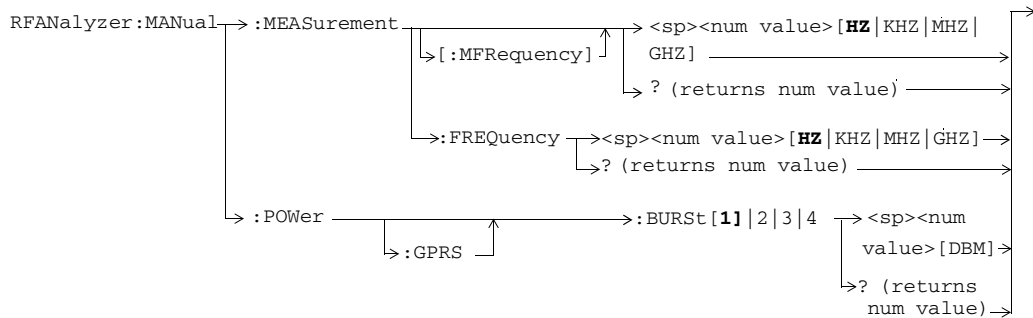
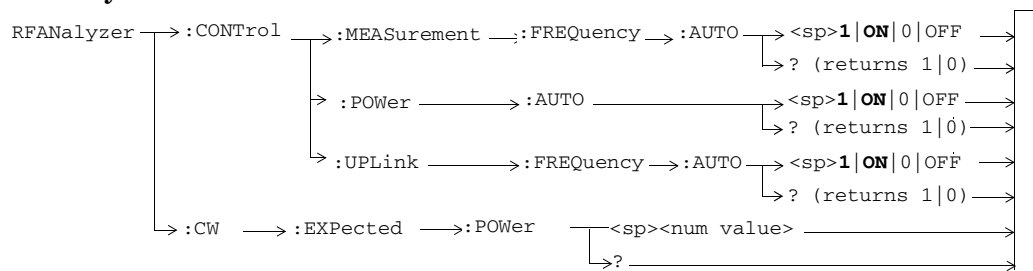


* These commands are not applicable to GSM.

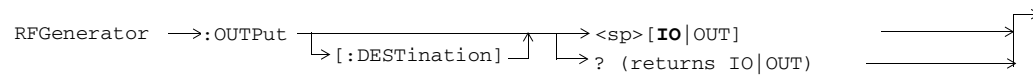
+ These command is only applicable to EGPRS.

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

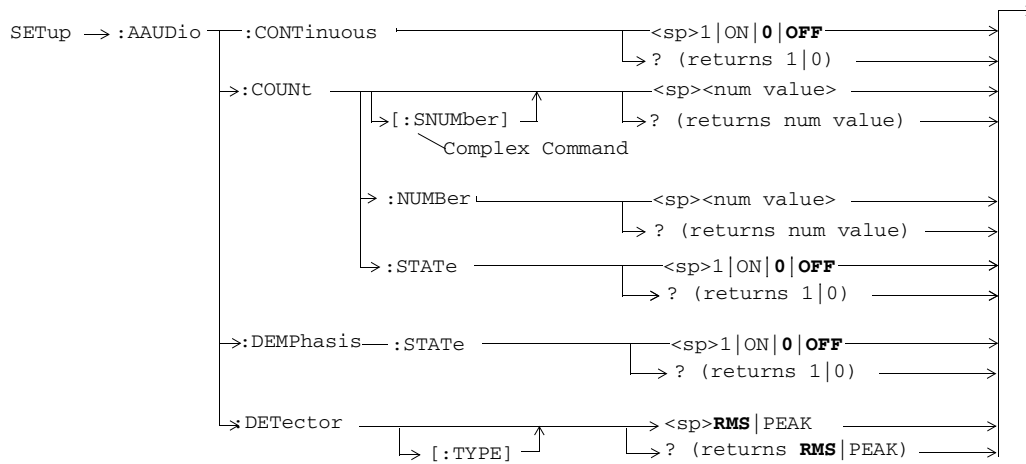
RFAnalyzer



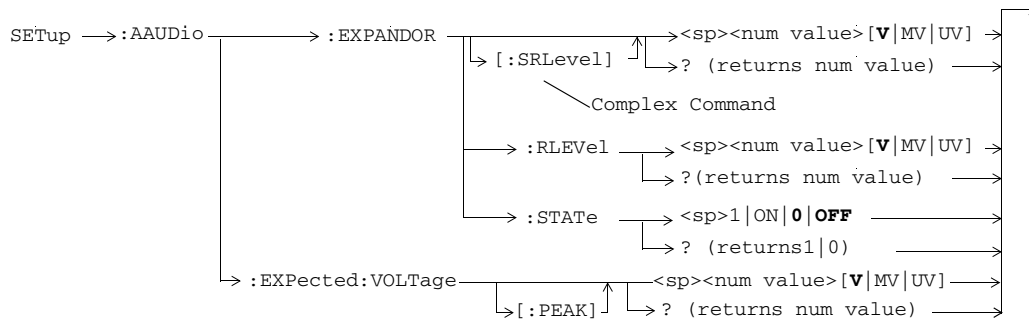
RFGenerator:OUTPut



SETup:AAudio

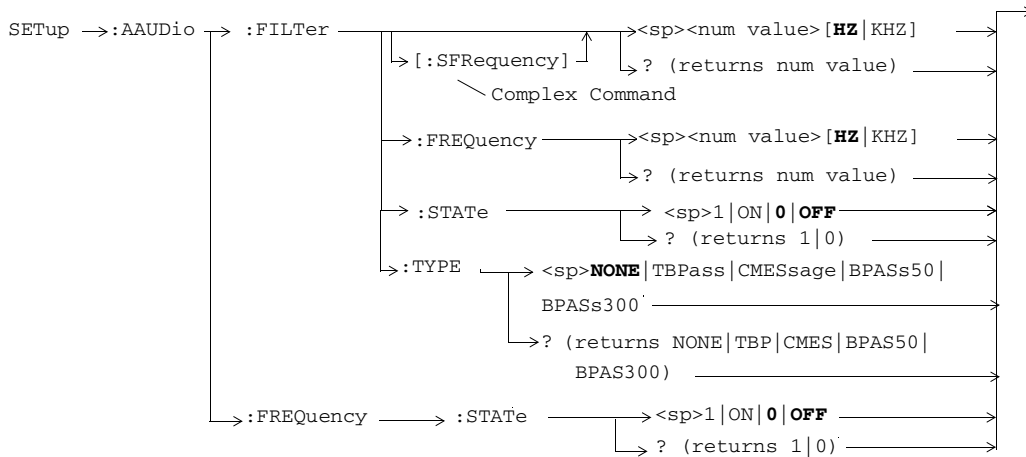


These commands are not applicable to GPRS.

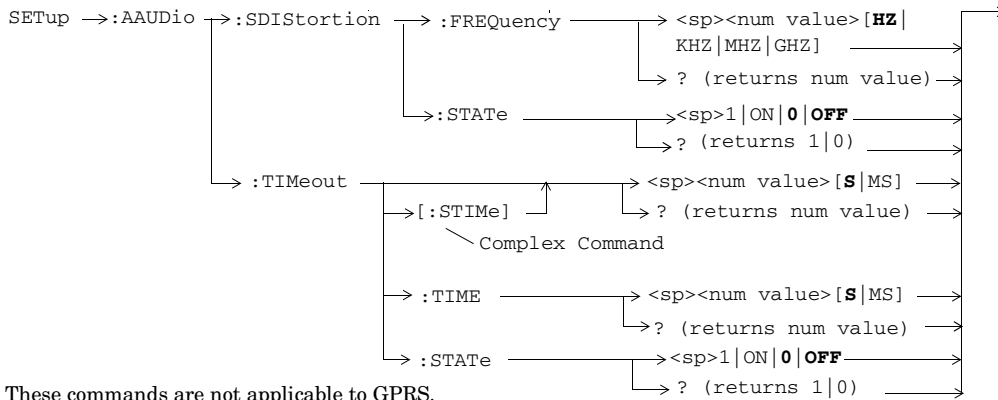


These commands are not applicable to GPRS.

GPIO Syntax for E1968A, E6701D/E/T, and E6704A

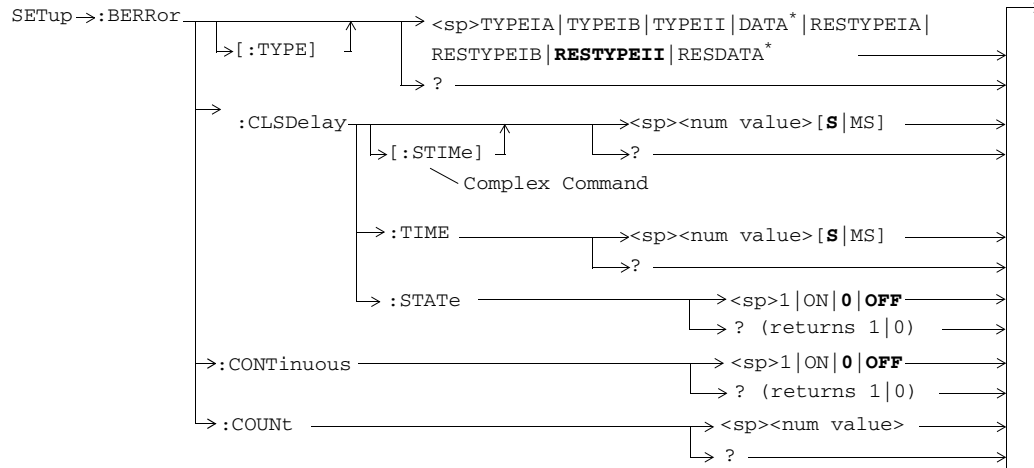


These commands are not applicable to GPRS.

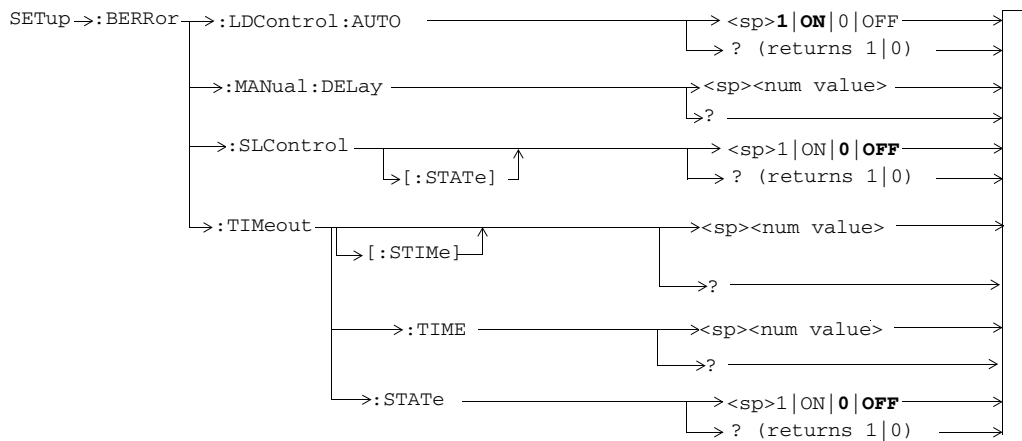


These commands are not applicable to GPRS.

SETup:BERRor

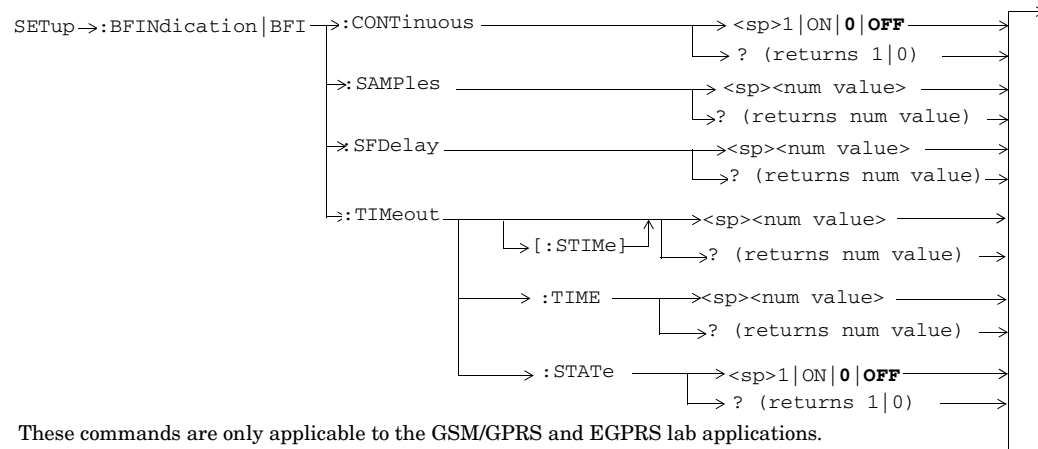


These commands are not applicable to GPRS.
 *These commands are only applicable to the lab applications.



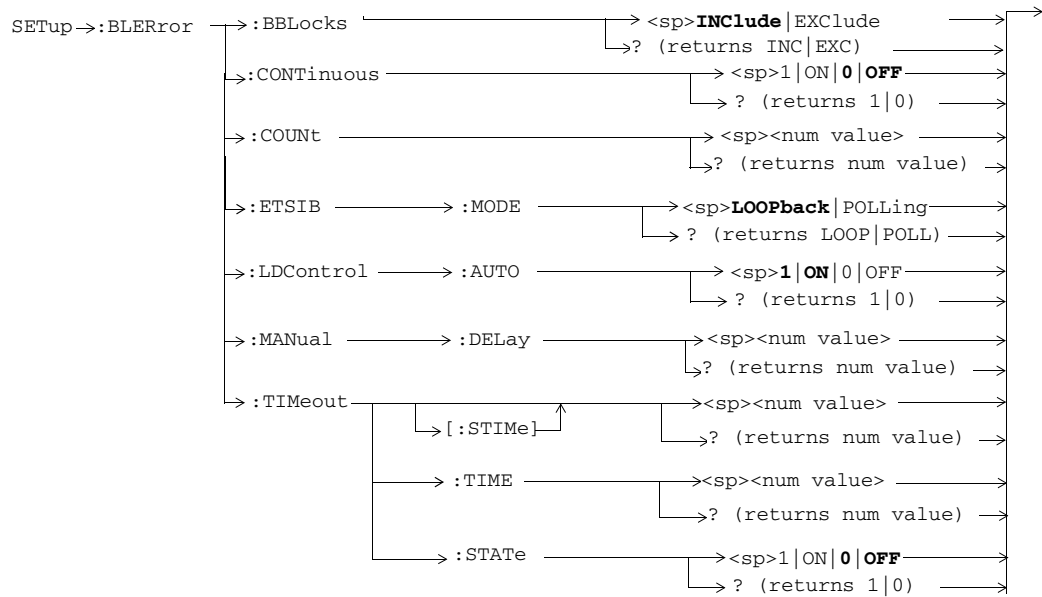
These commands are not applicable to GPRS.

SETup:<BFINdication|BFI>



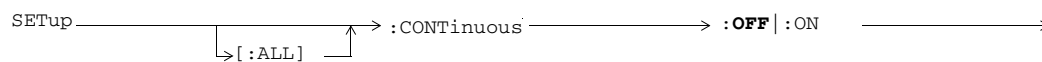
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

SETup:BLERror

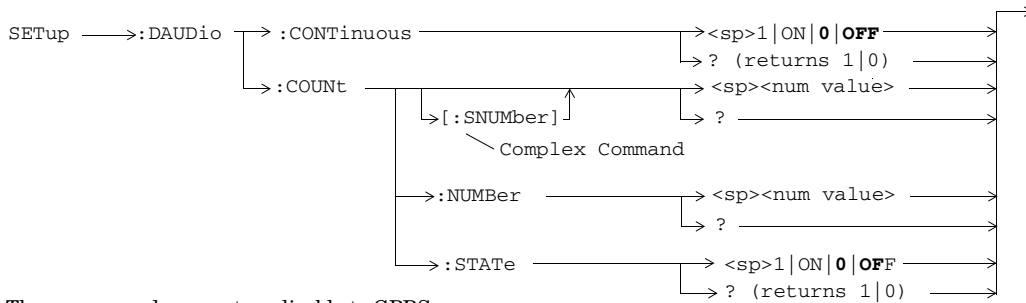


These commands are not applicable to GSM.

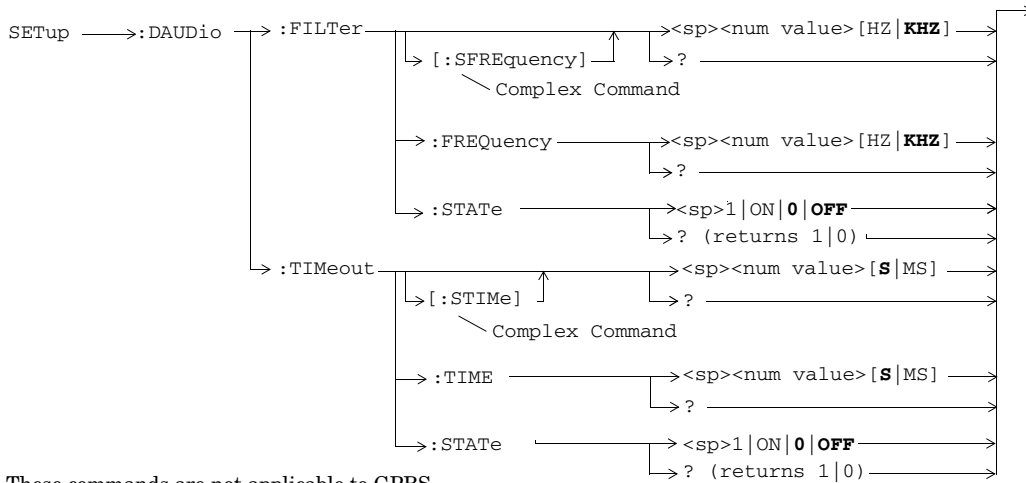
SETup:CONTInuous



SETup:DAUDio

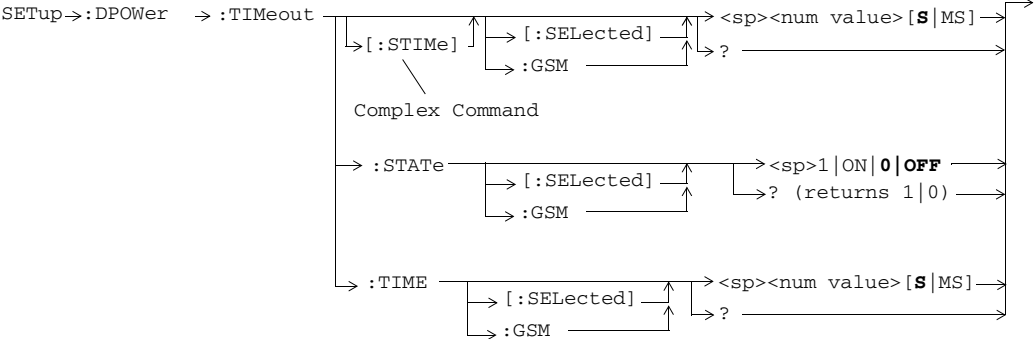
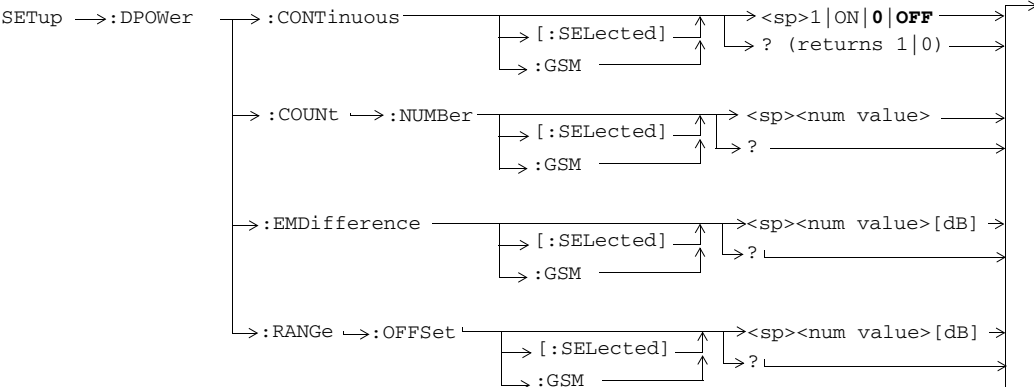


These commands are not applicable to GPRS.

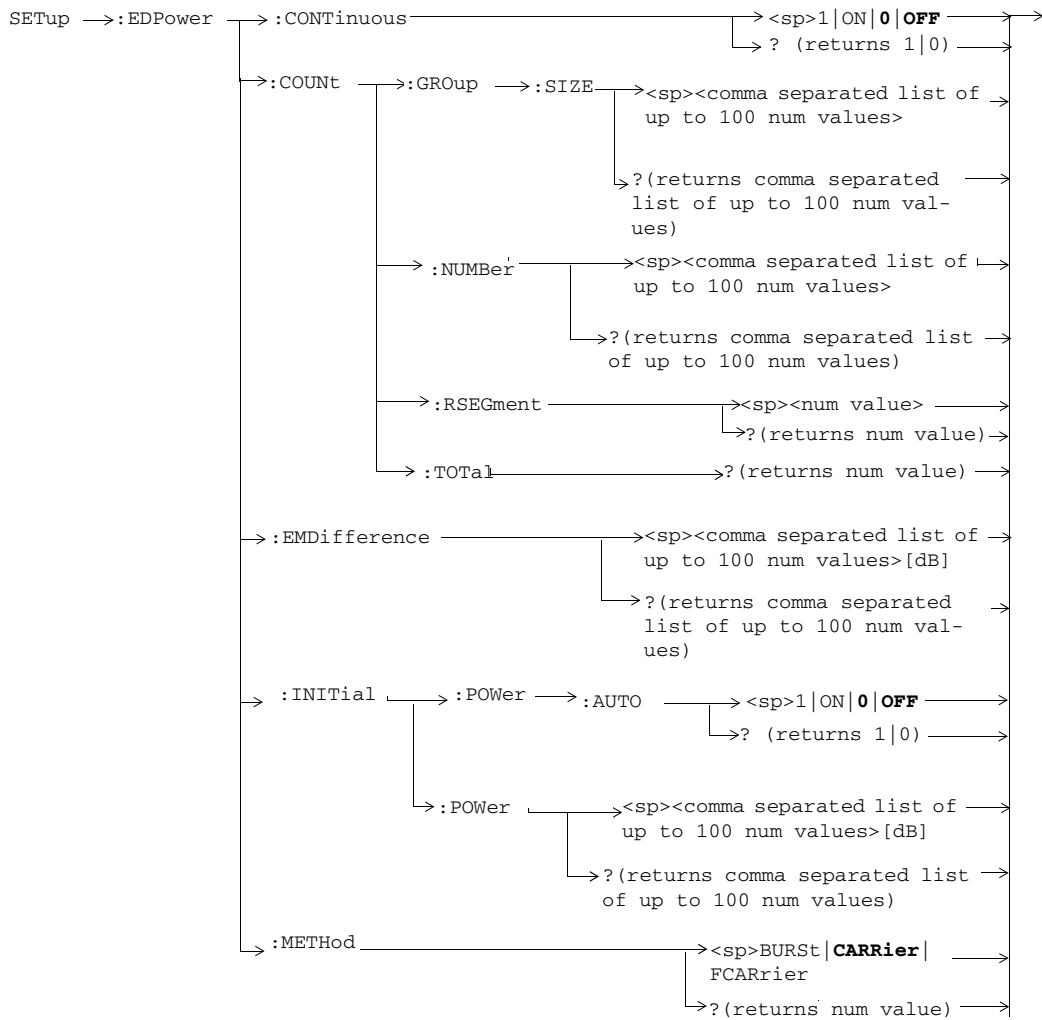


These commands are not applicable to GPRS.

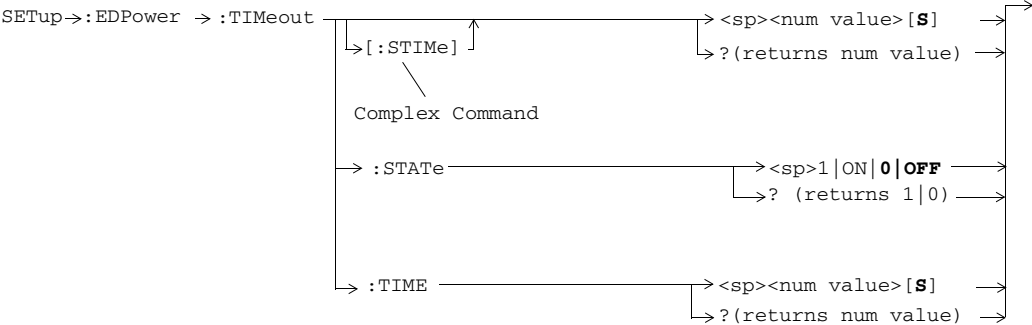
SETup:DPOWER



SETup:EDPower

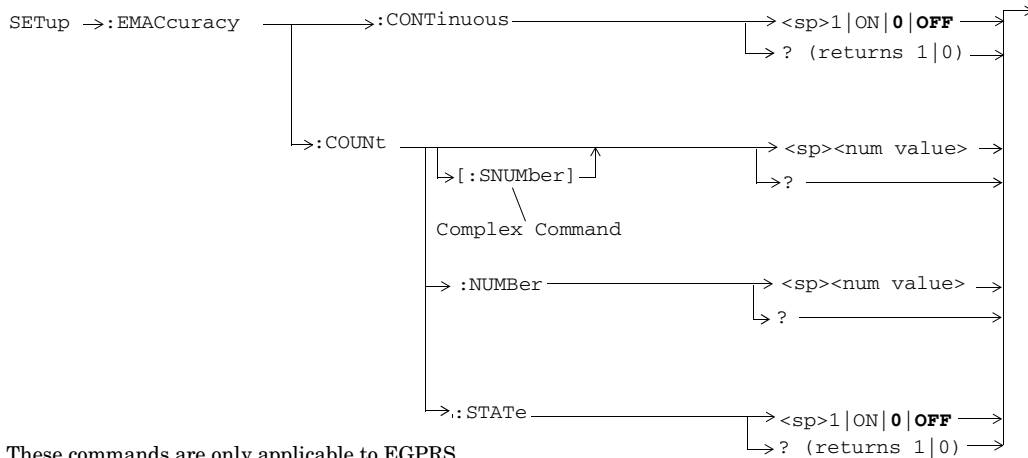


These commands are only applicable to EGPRS.

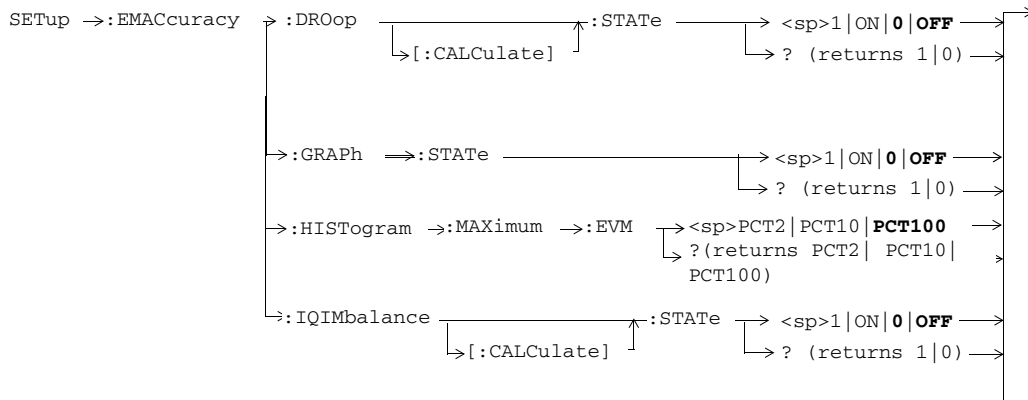


These commands are only applicable to EGPRS.

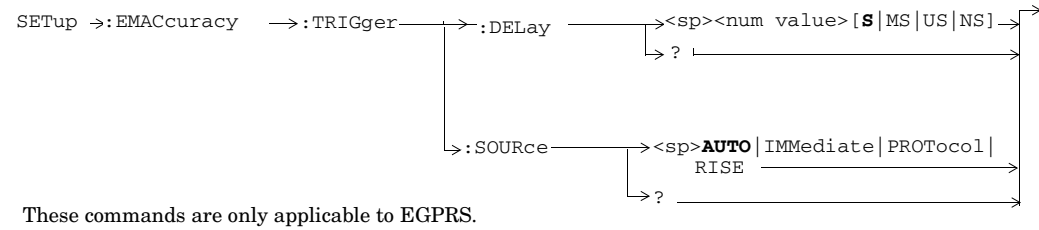
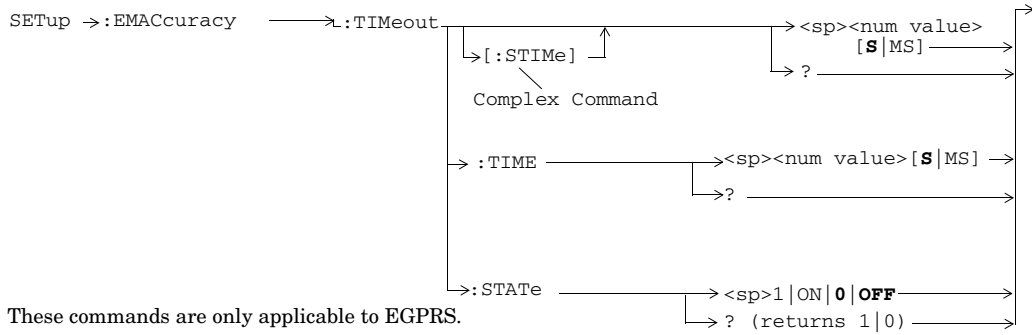
SETup:EMACcuracy



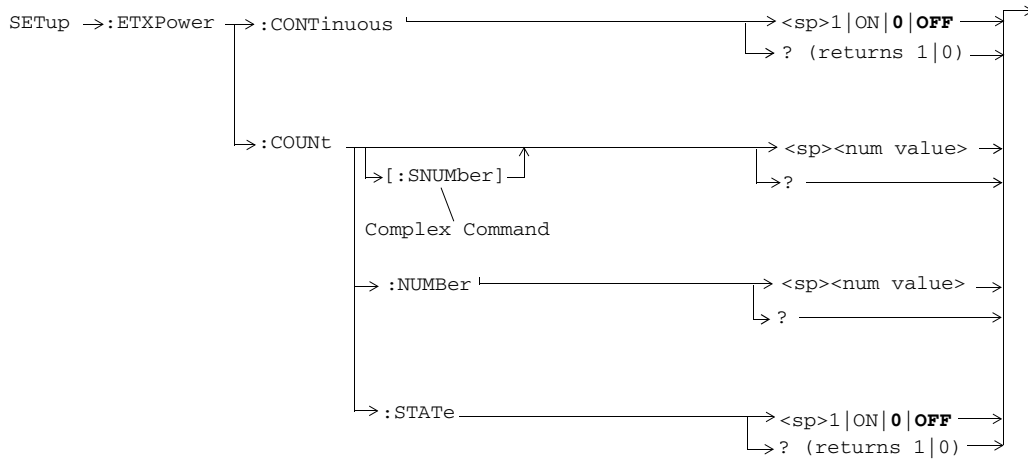
These commands are only applicable to EGPRS.



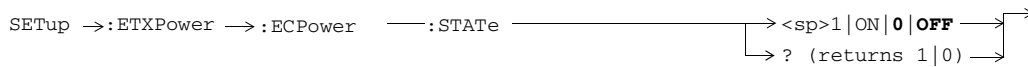
This command is only applicable to EGPRS.



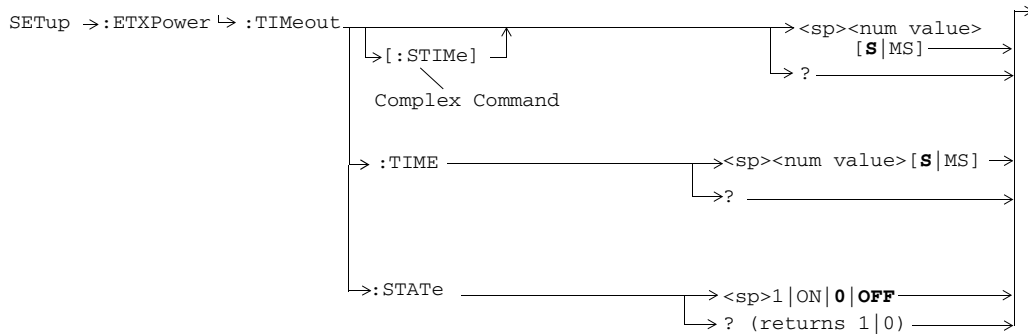
SETup:ETXPower



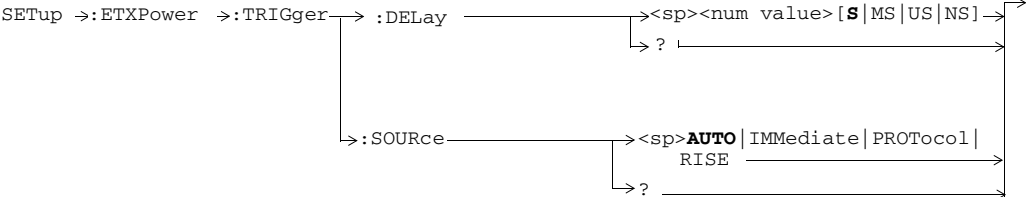
These commands are only applicable to EGPRS.



This command is only applicable to EGPRS.

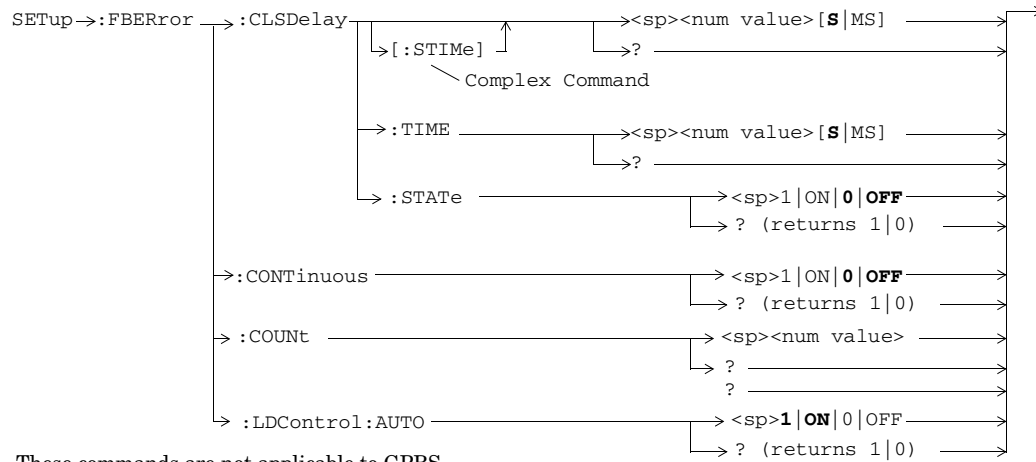


These commands are only applicable to EGPRS.

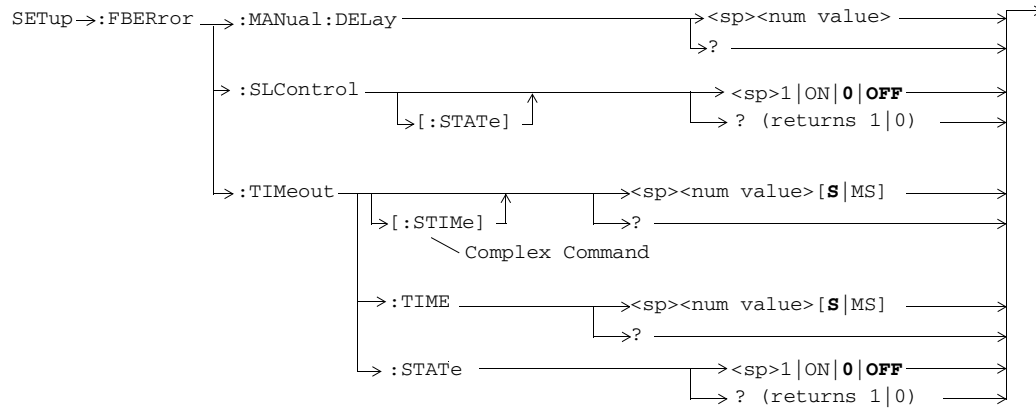


These commands are only applicable to EGPRS.

SETup:FBError

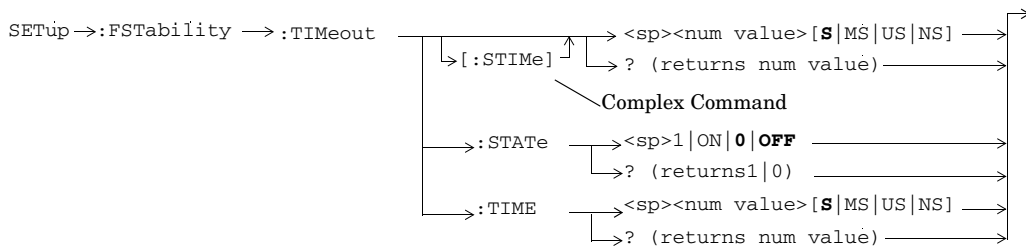
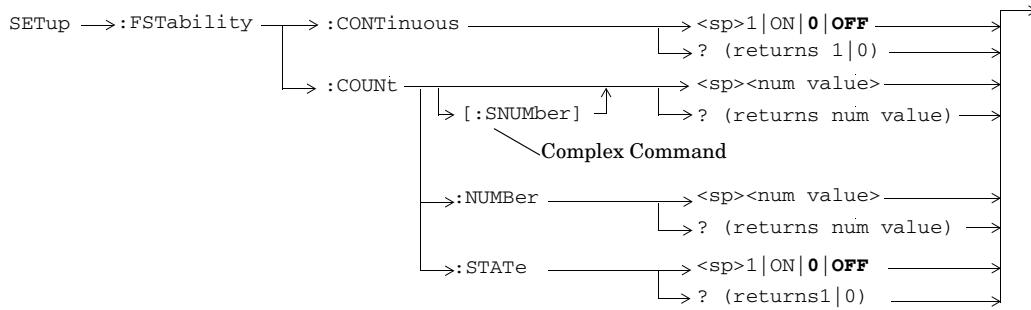


These commands are not applicable to GPRS.

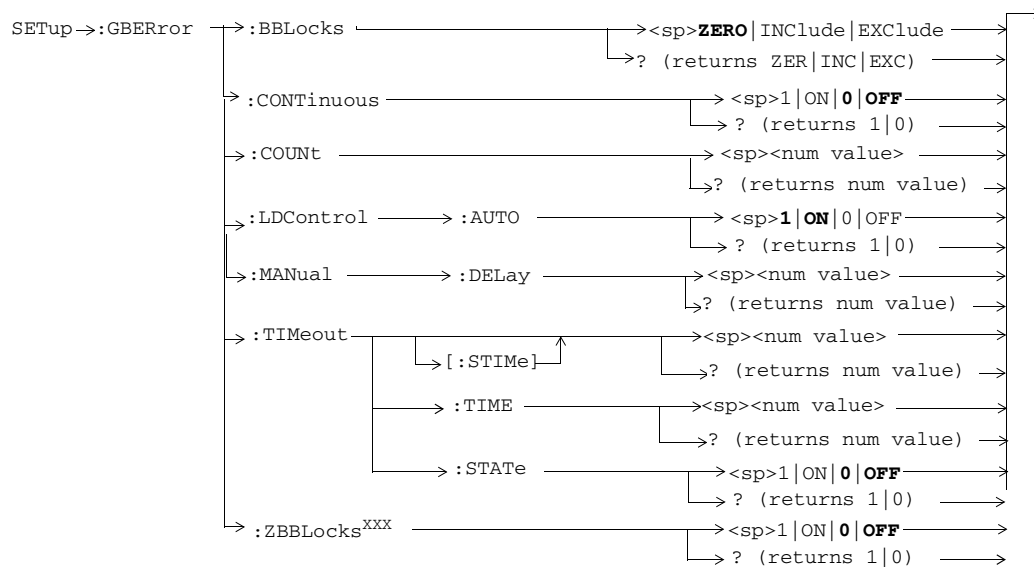


These commands are not applicable to GPRS.

SETup:FSTability



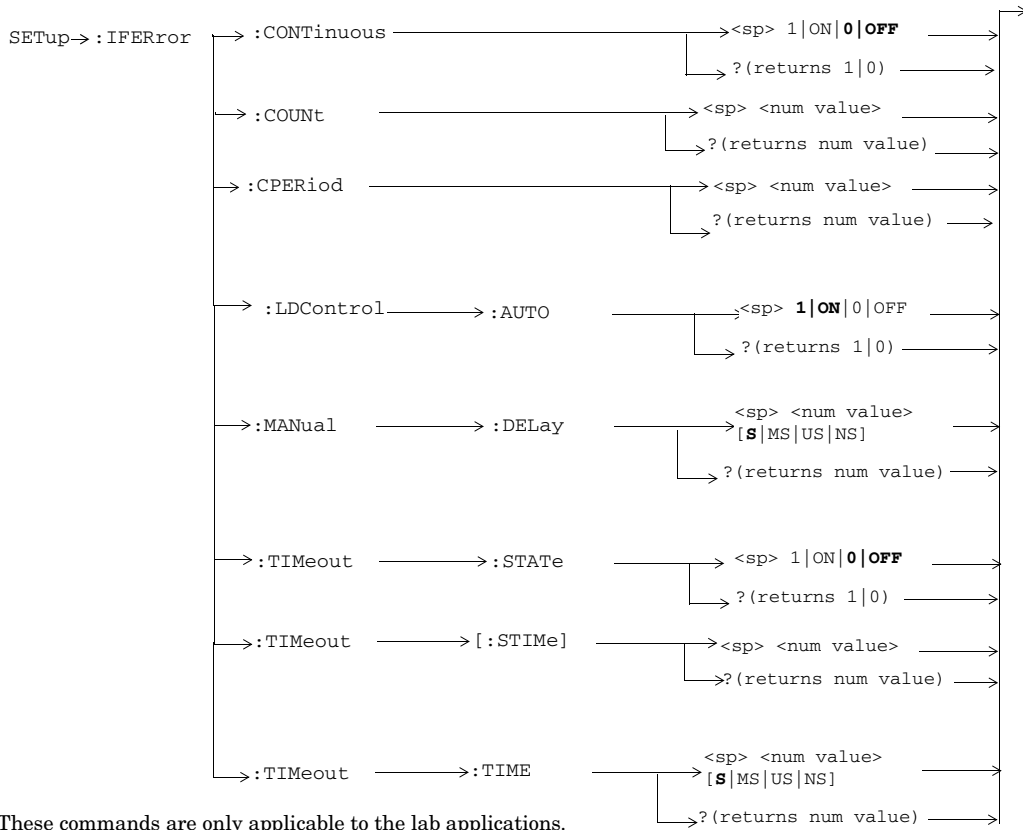
SETup:GBERror



These commands are not applicable to GSM.

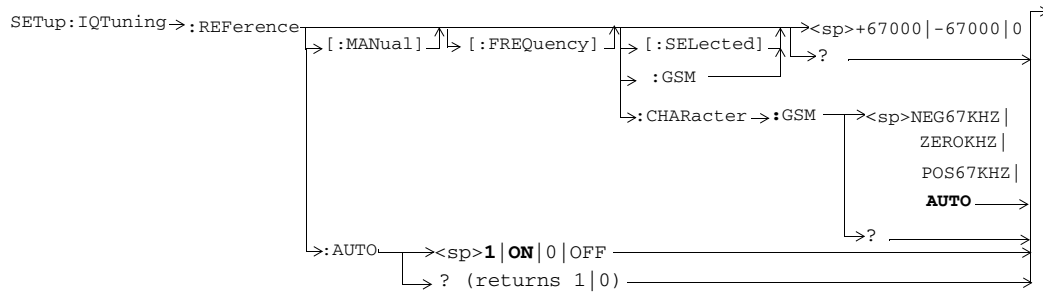
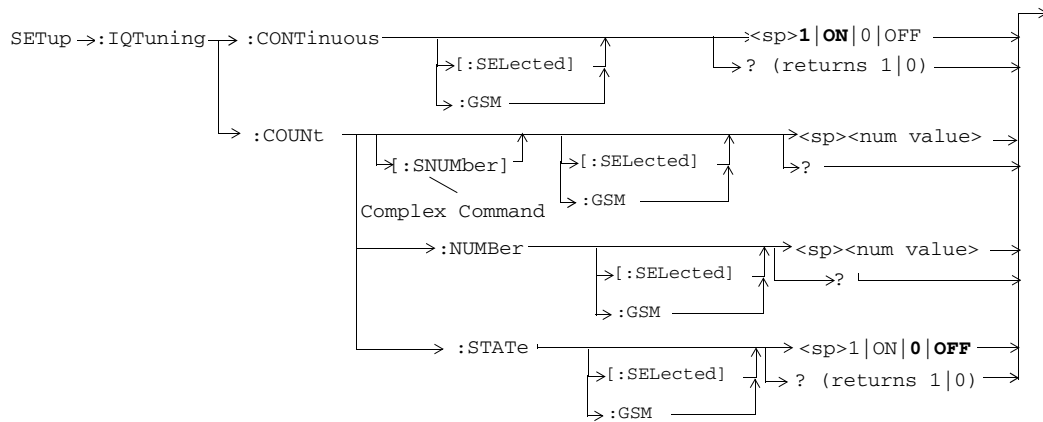
^{XXX} This command is obsolete.

SETup:IFError

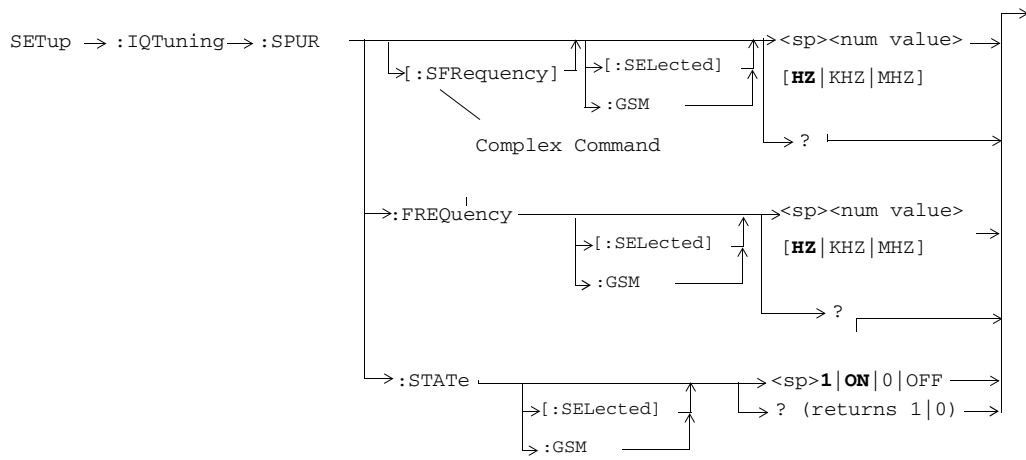


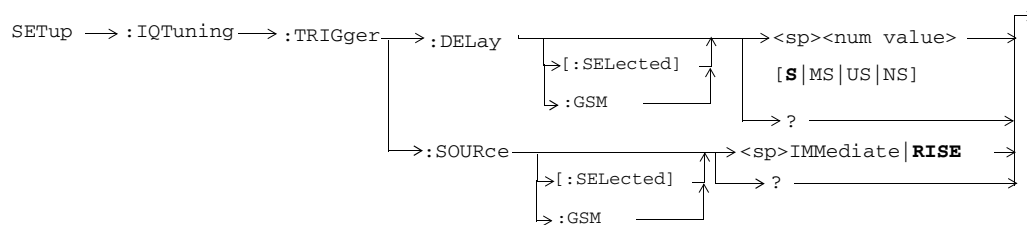
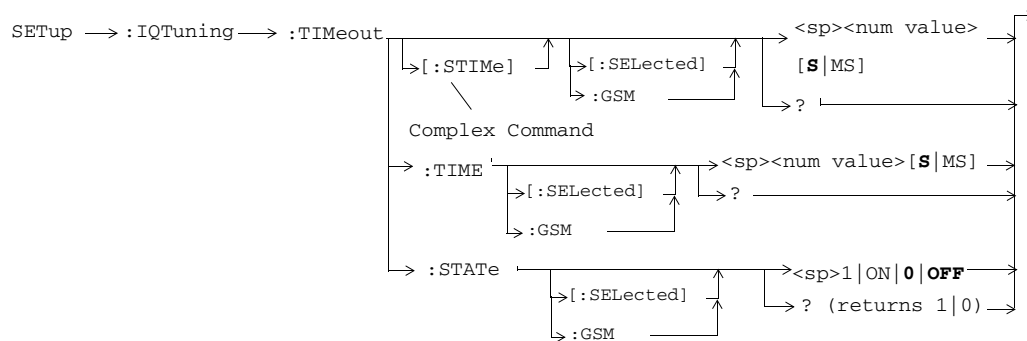
These commands are only applicable to the lab applications.

SETup:IQTuning

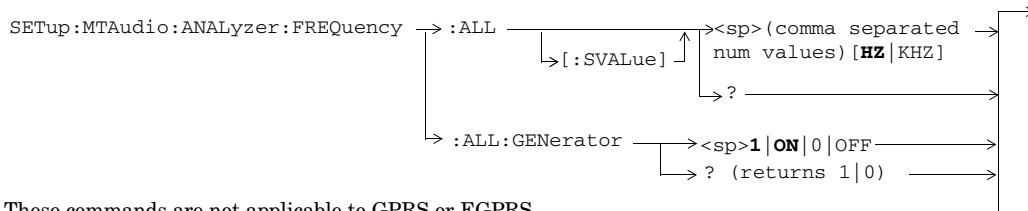


GPIB Syntax for E1968A, E6701D/E/T, and E6704A

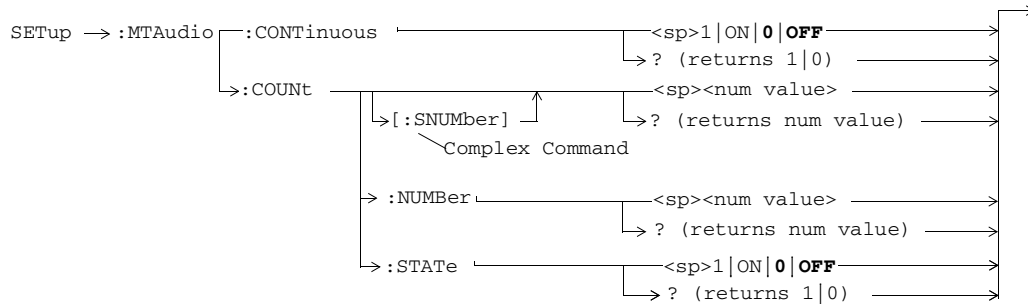




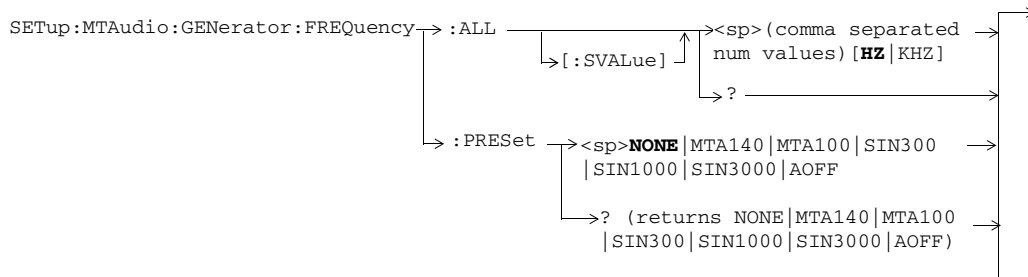
SETup:MTAudio



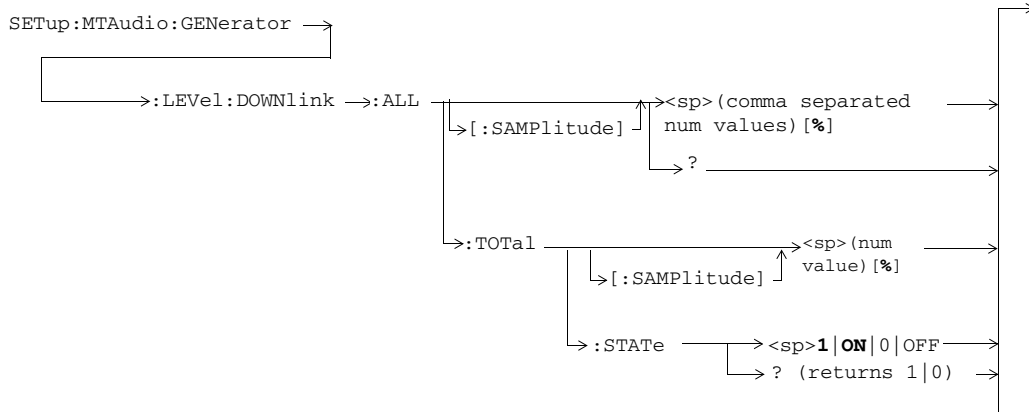
These commands are not applicable to GPRS or EGPRS.



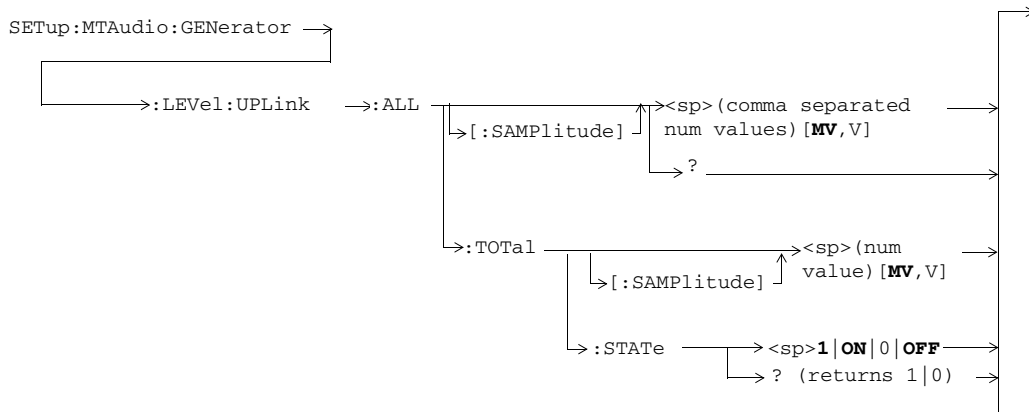
These commands are not applicable to GPRS or EGPRS.



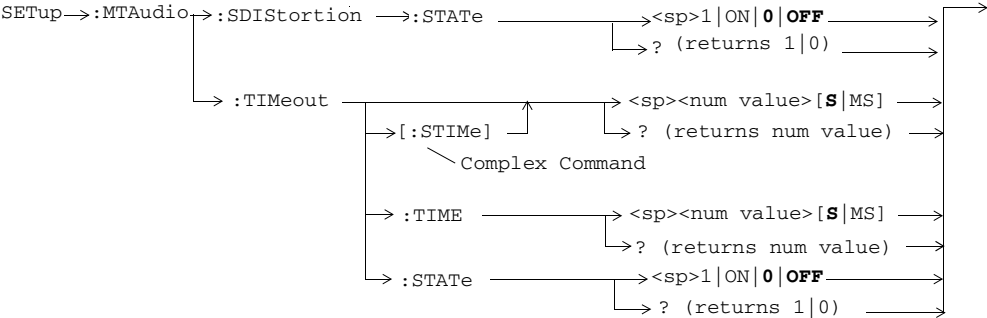
These commands are not applicable to GPRS or EGPRS.



These commands are not applicable to GPRS or EGPRS.

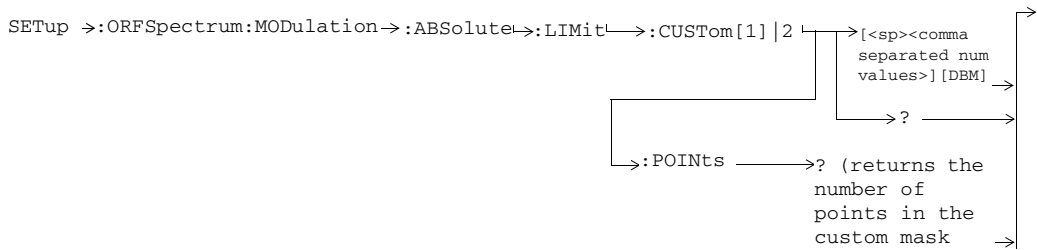
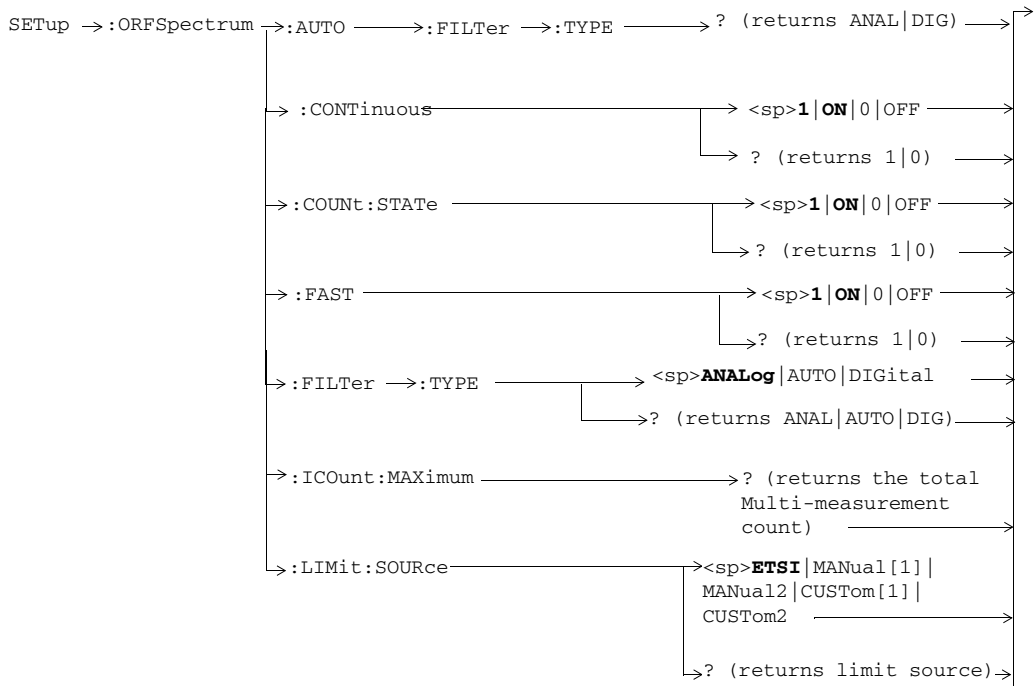


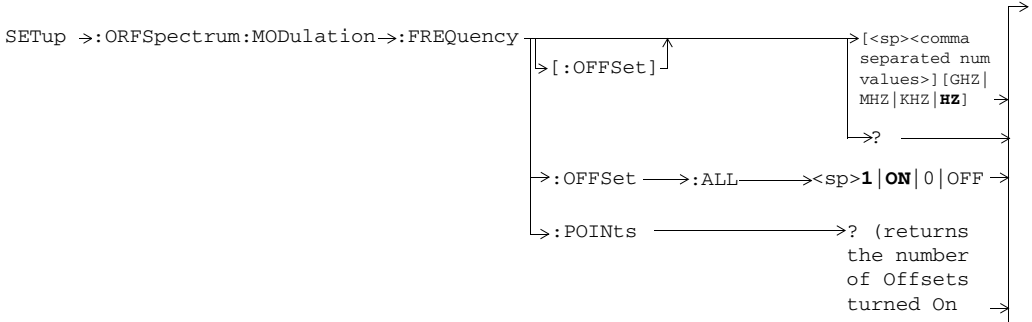
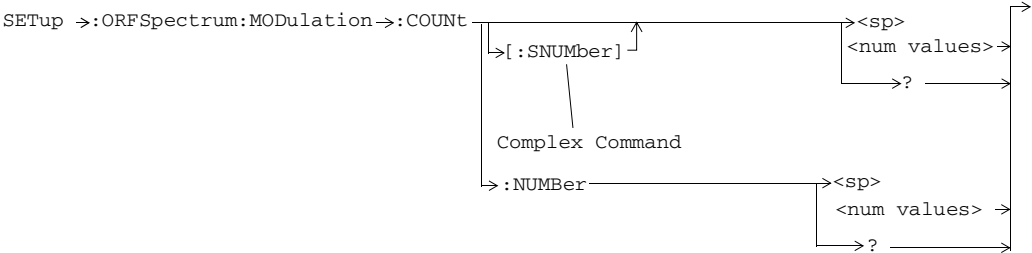
These commands are not applicable to GPRS or EGPRS.



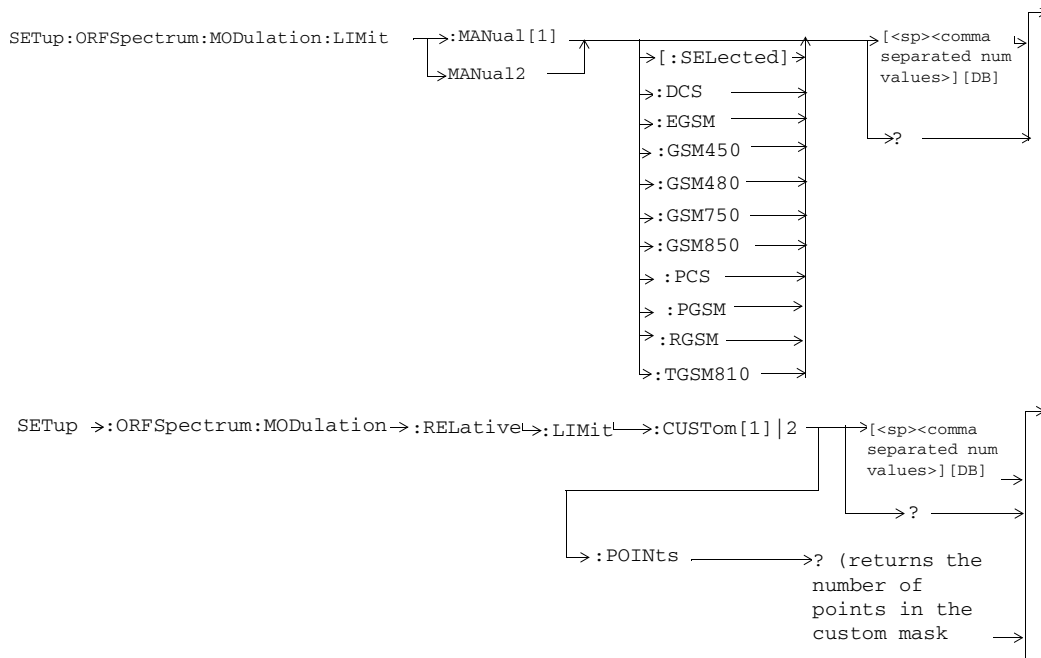
These commands are not applicable to GPRS and EGPRS.

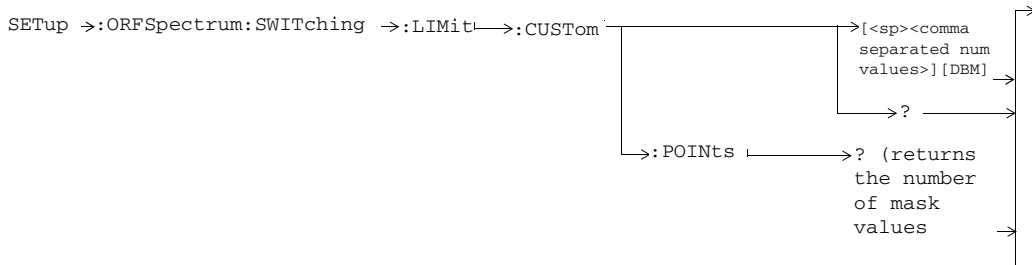
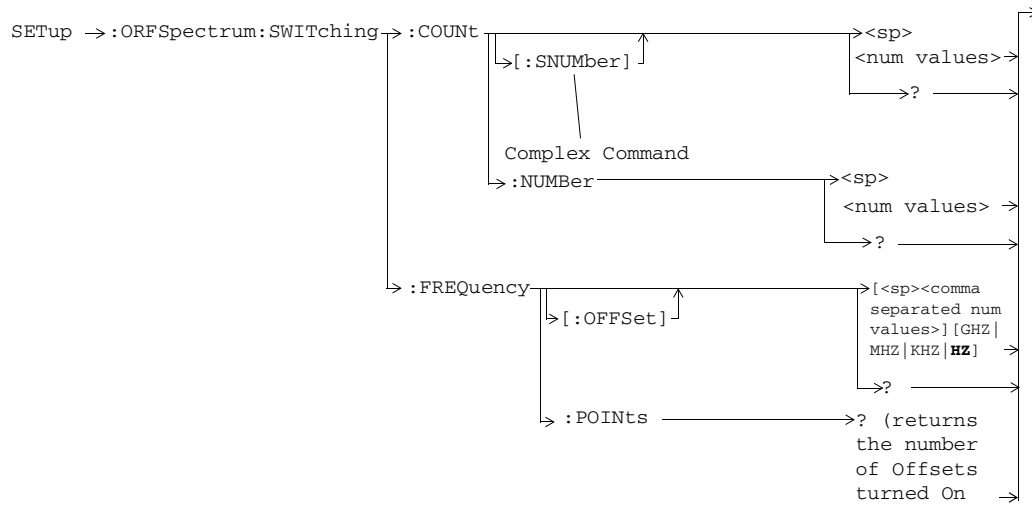
SETup:ORFSpectrum



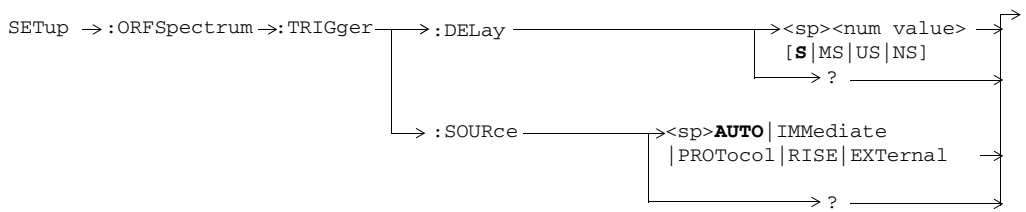
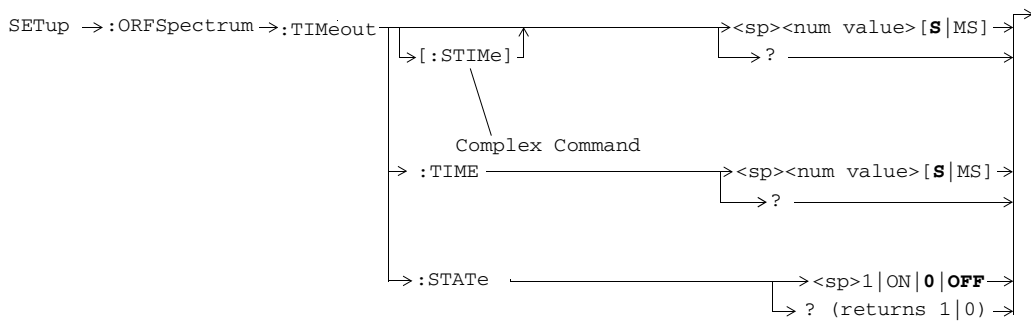
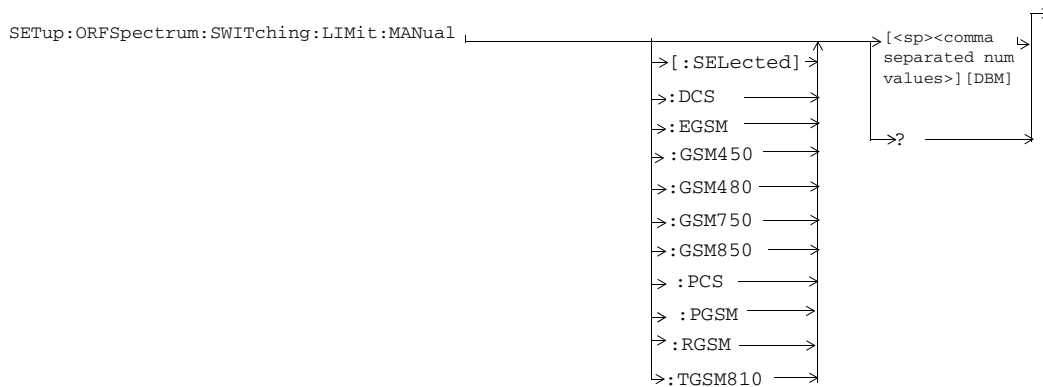


GPIB Syntax for E1968A, E6701D/E/T, and E6704A

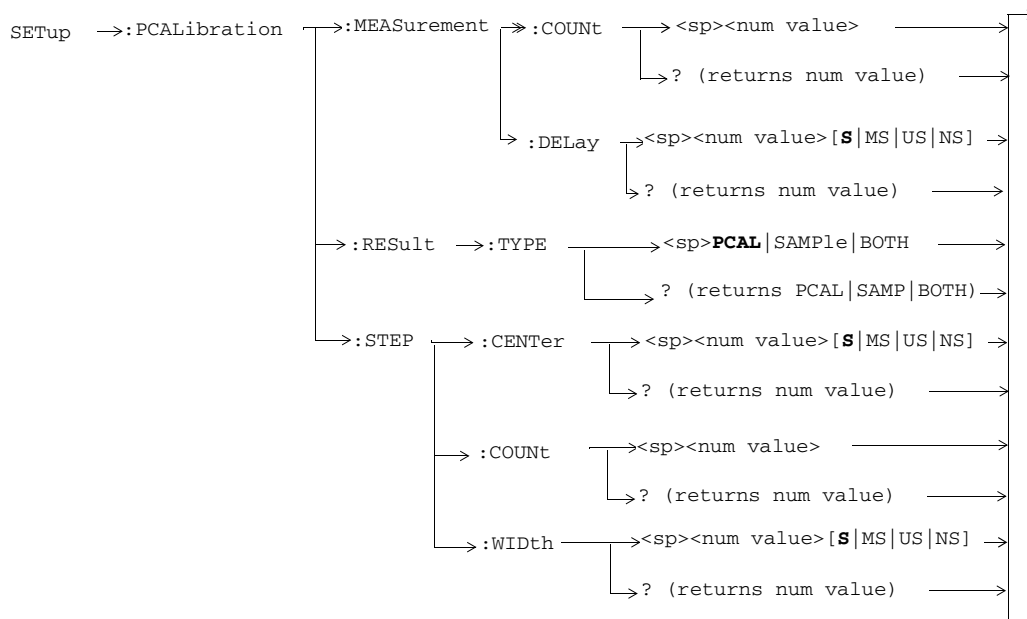




GPIB Syntax for E1968A, E6701D/E/T, and E6704A

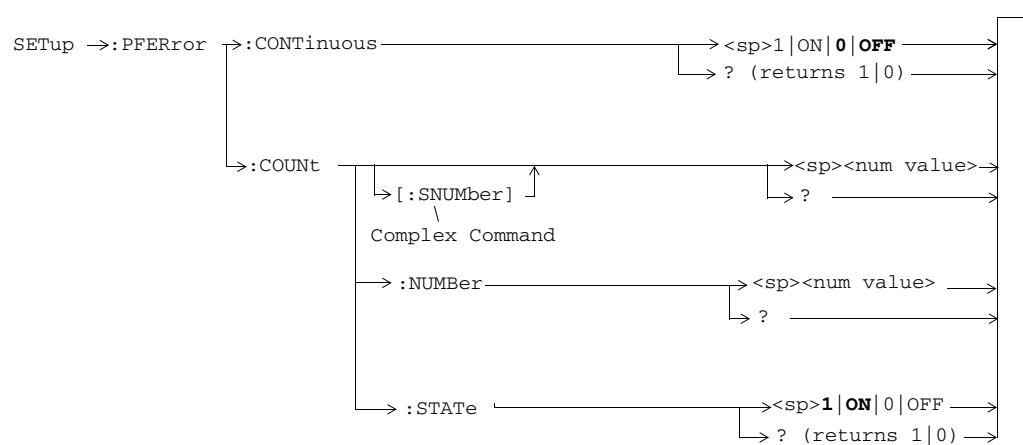
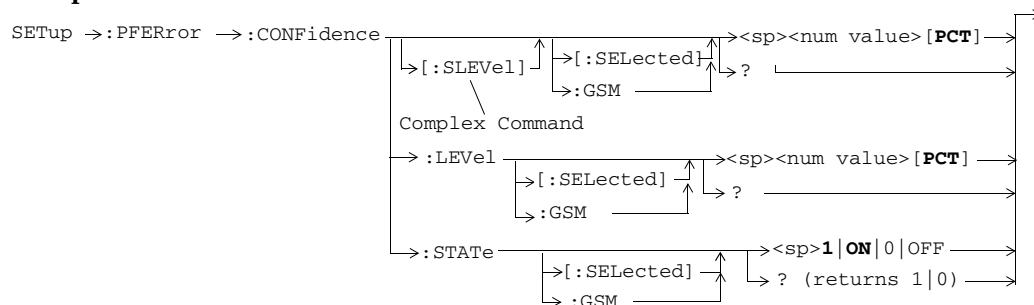


SETup:PCALibration

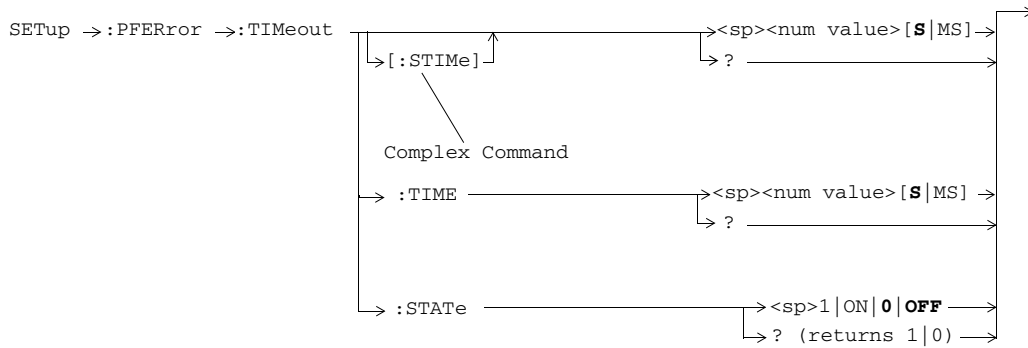
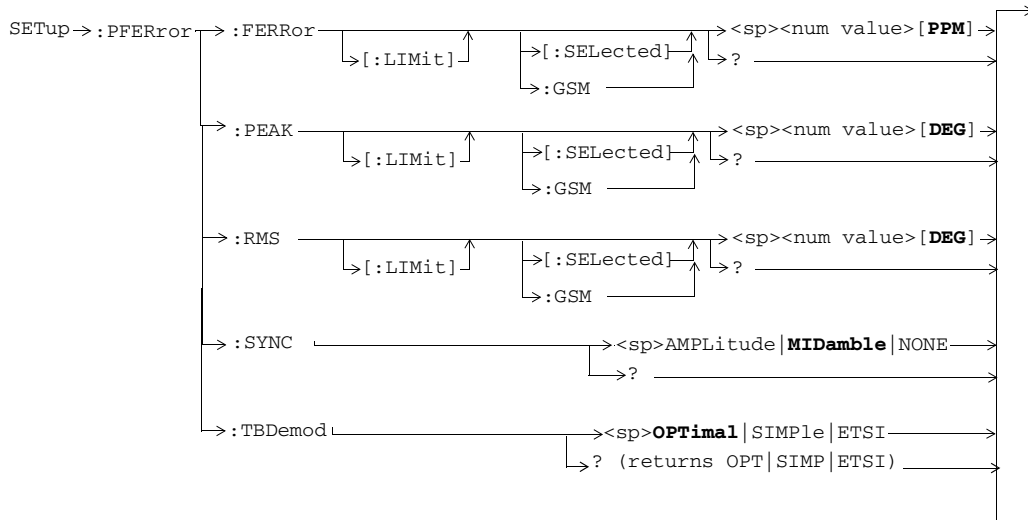


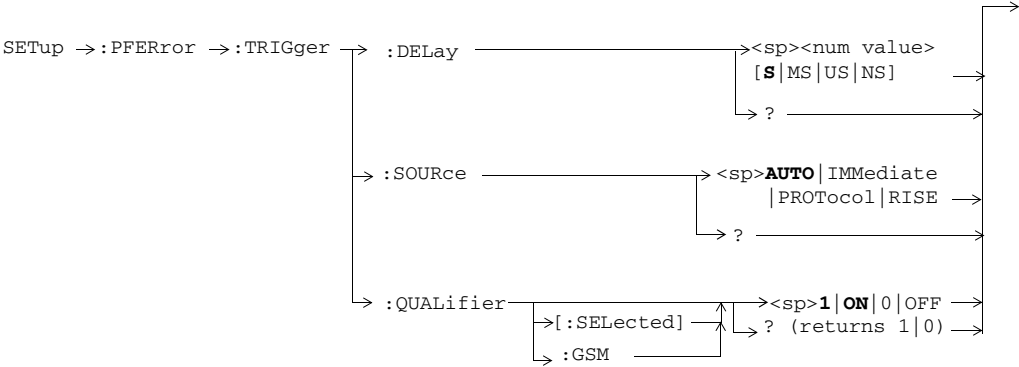
NOTE: These commands only apply to the lab applications and the test applications with the required feature license.

SETup:PFERror

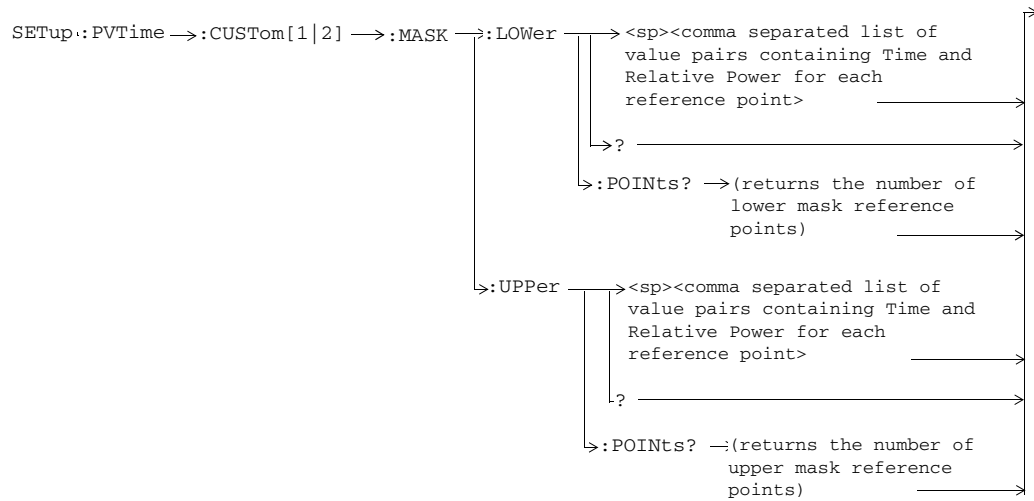
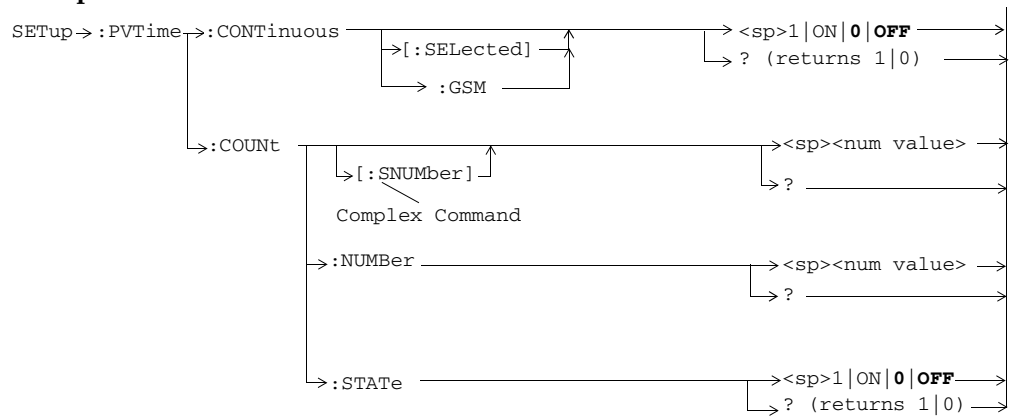


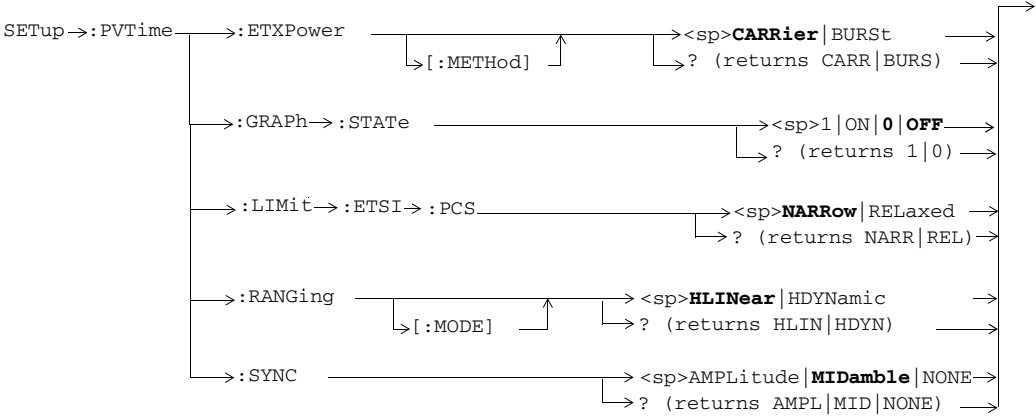
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



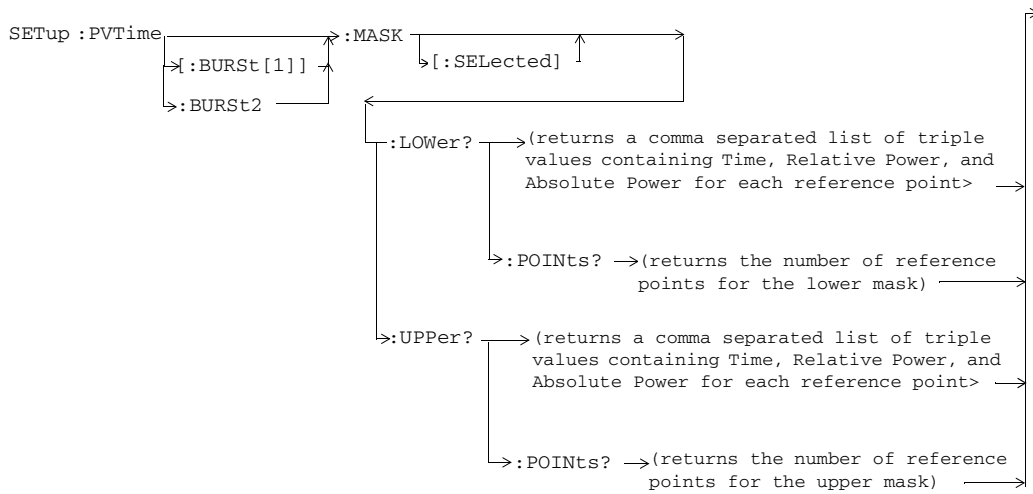
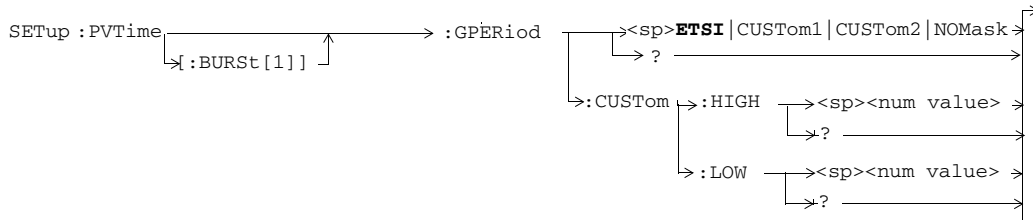
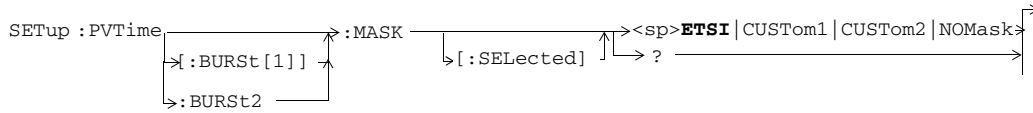


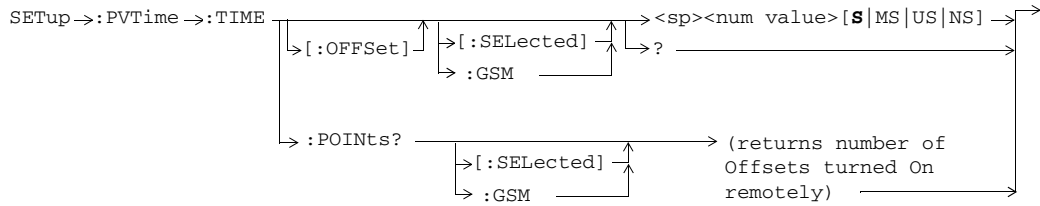
SETup:PVTime



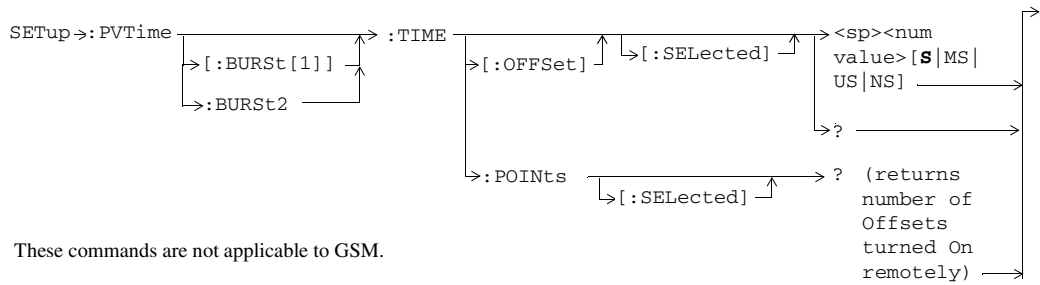


GPIB Syntax for E1968A, E6701D/E/T, and E6704A

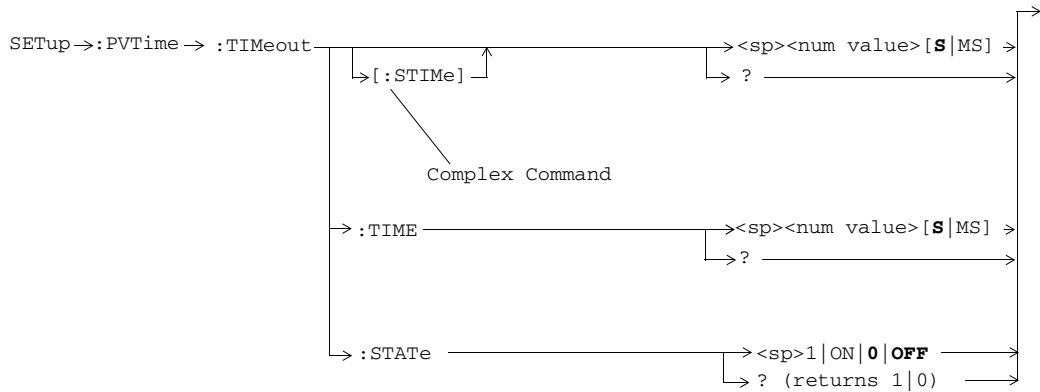




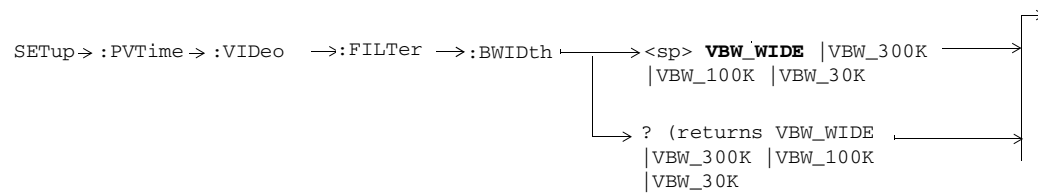
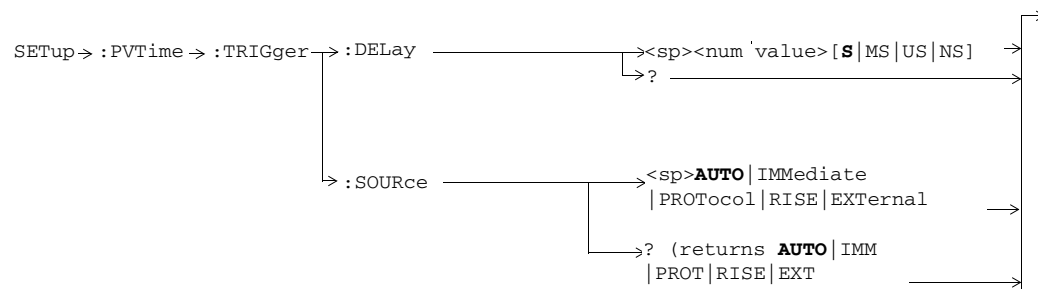
These commands are not applicable to GPRS.



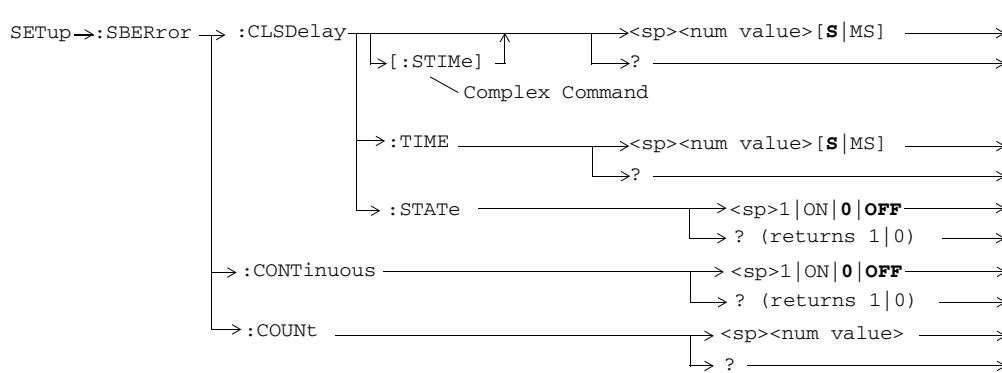
These commands are not applicable to GSM.



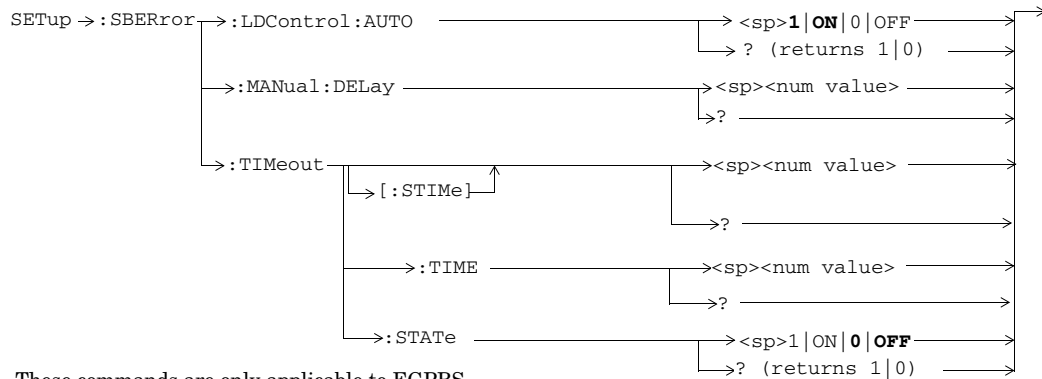
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



SETup:SBERror

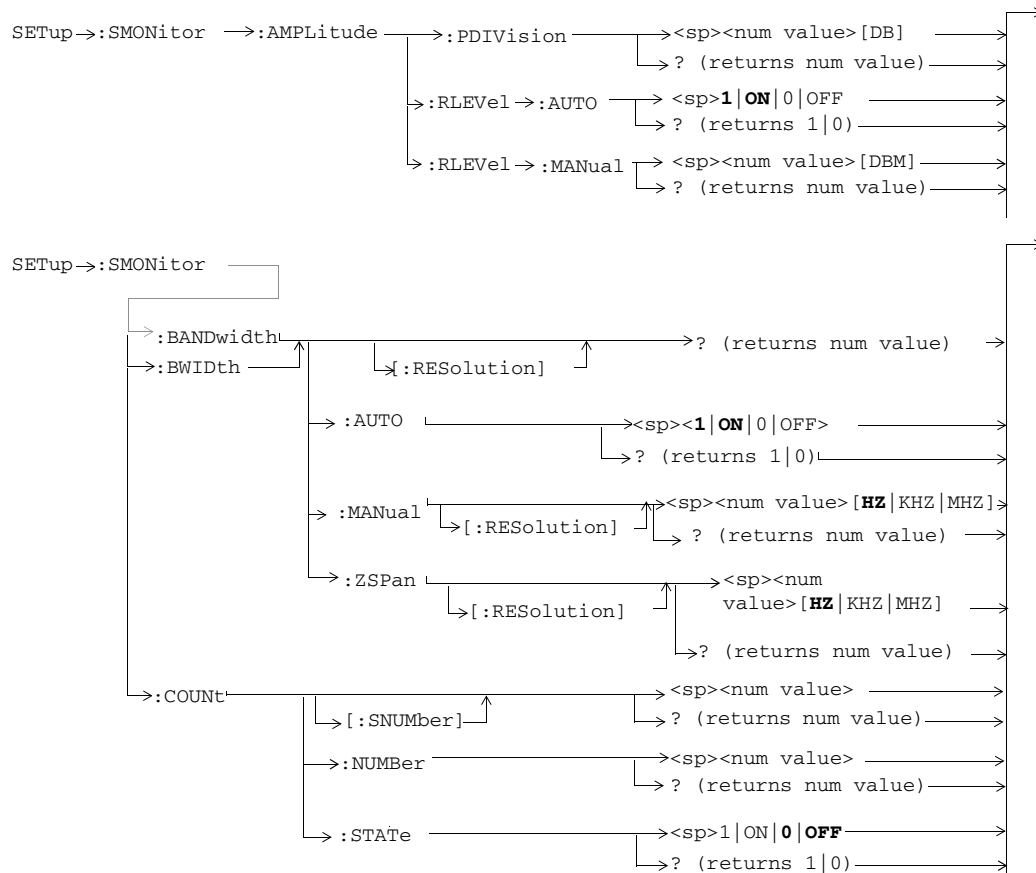


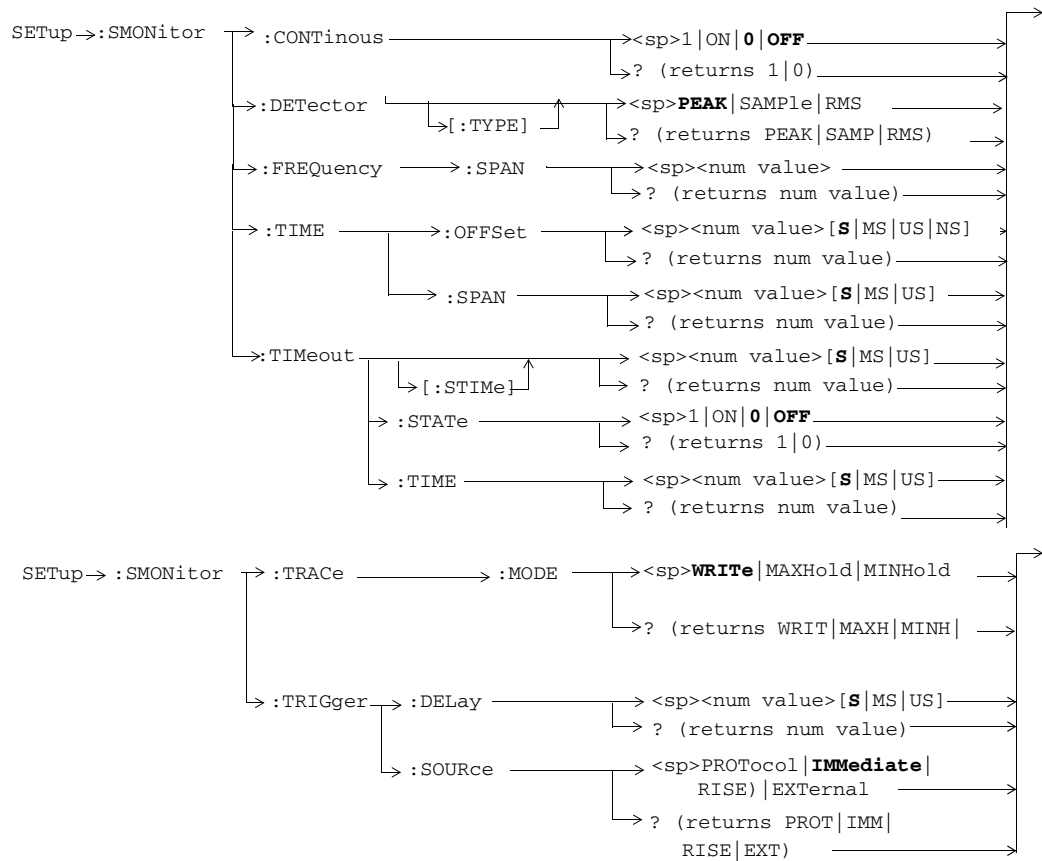
These commands are only applicable to EGPRS.



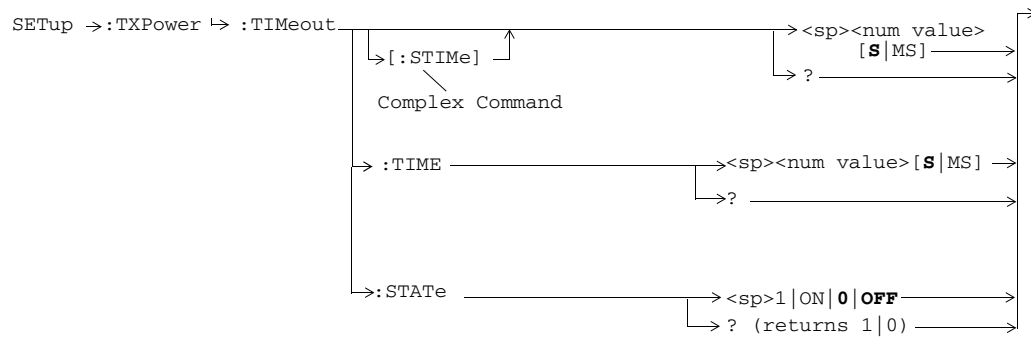
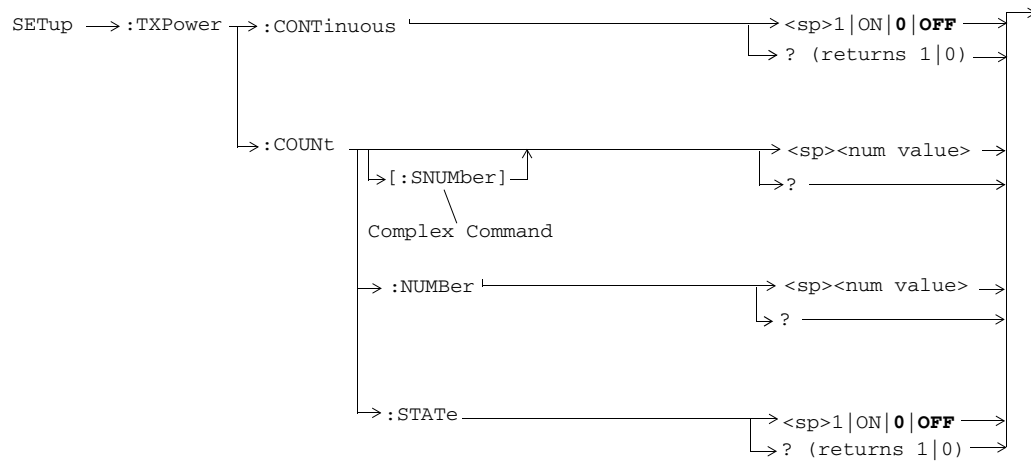
These commands are only applicable to EGPRS.

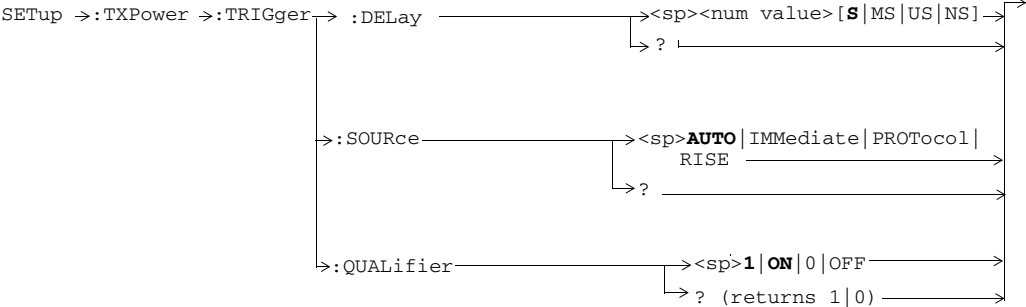
SETup:SMONitor



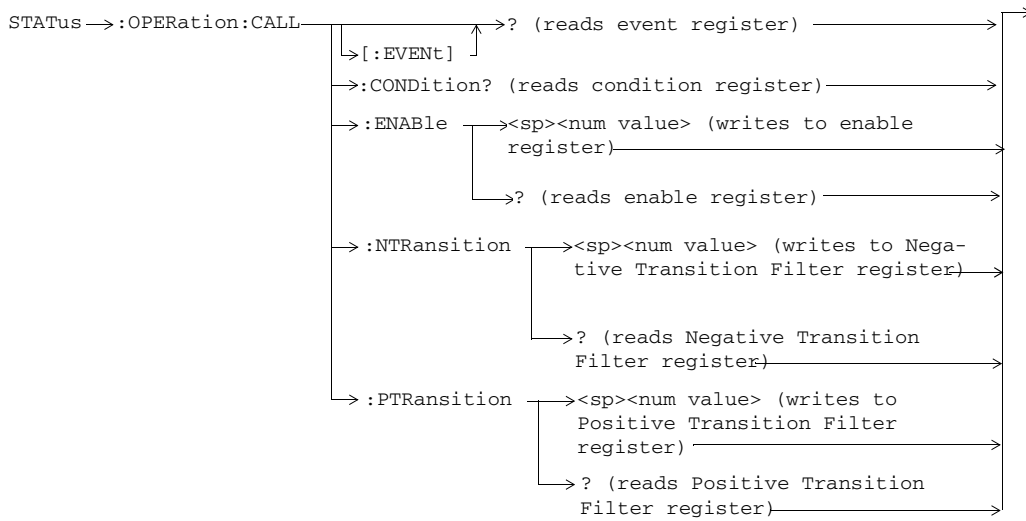
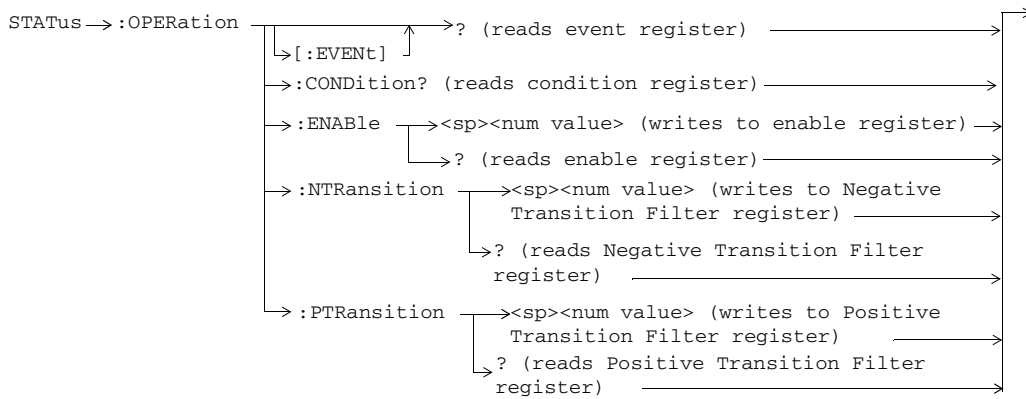


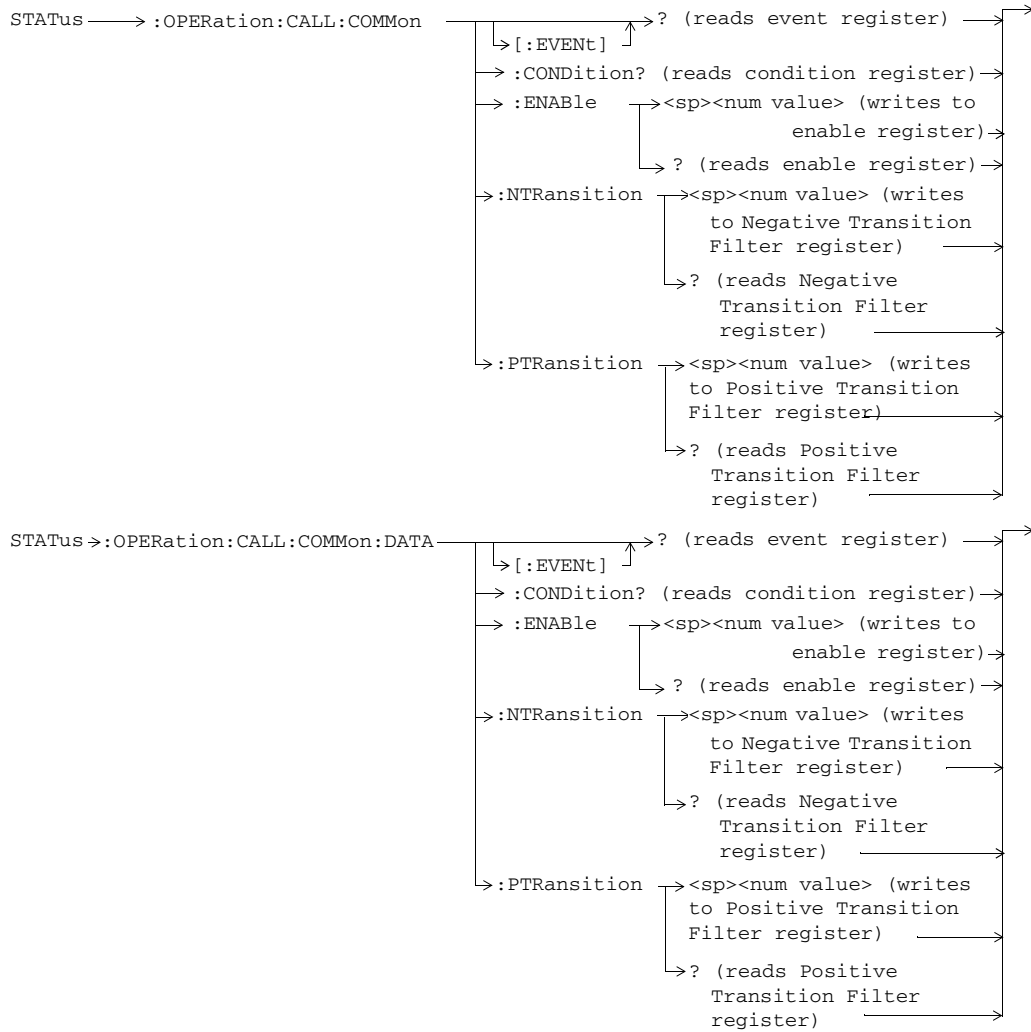
SETup:TXPower



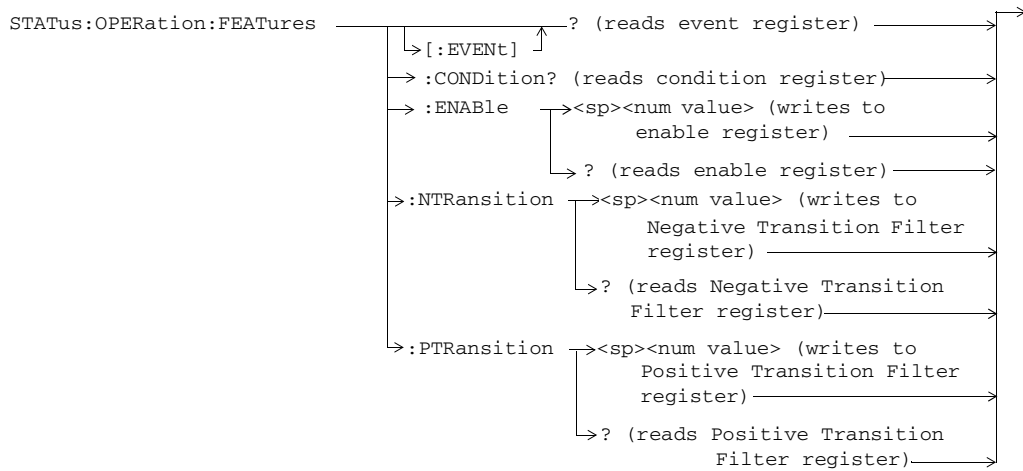
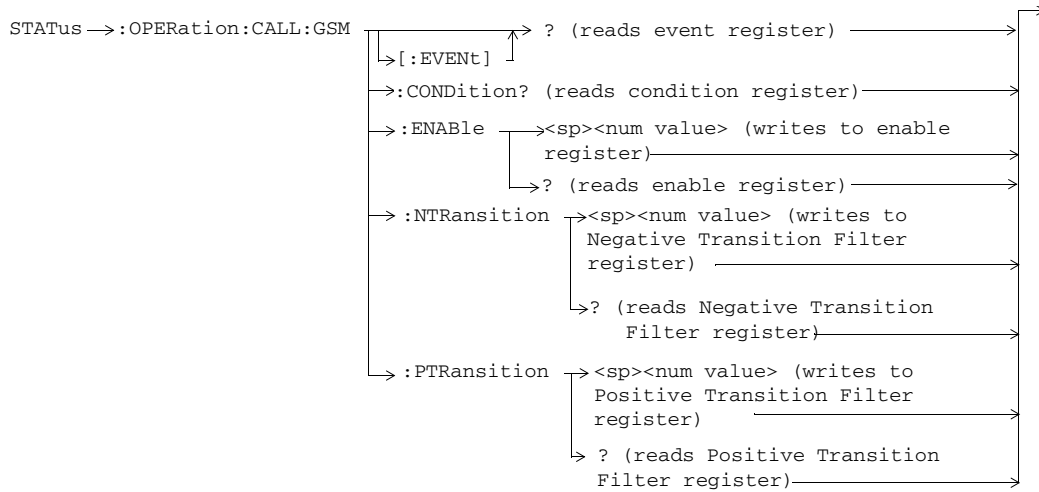


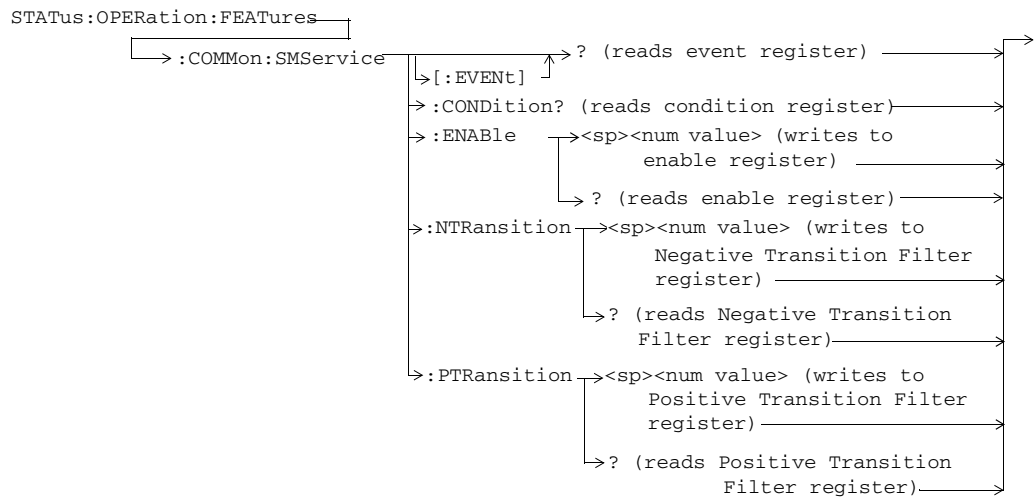
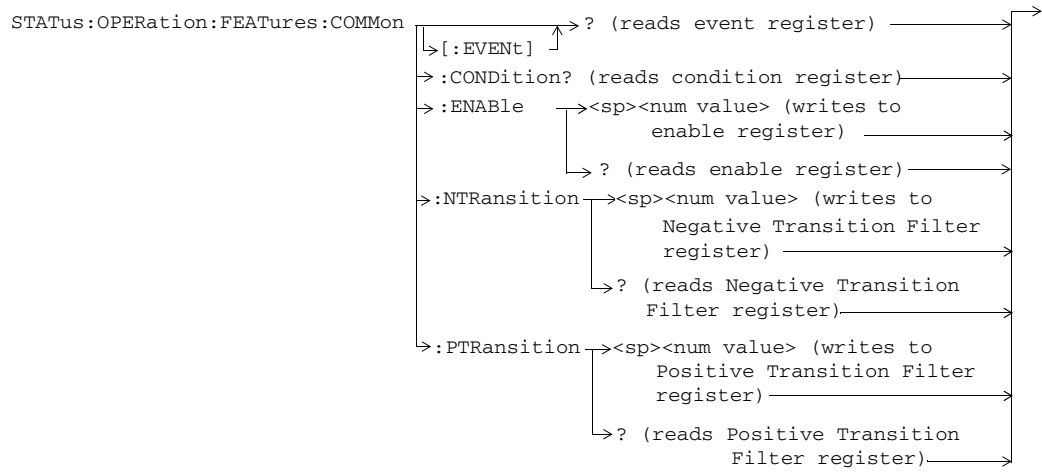
STATUS:OPERation





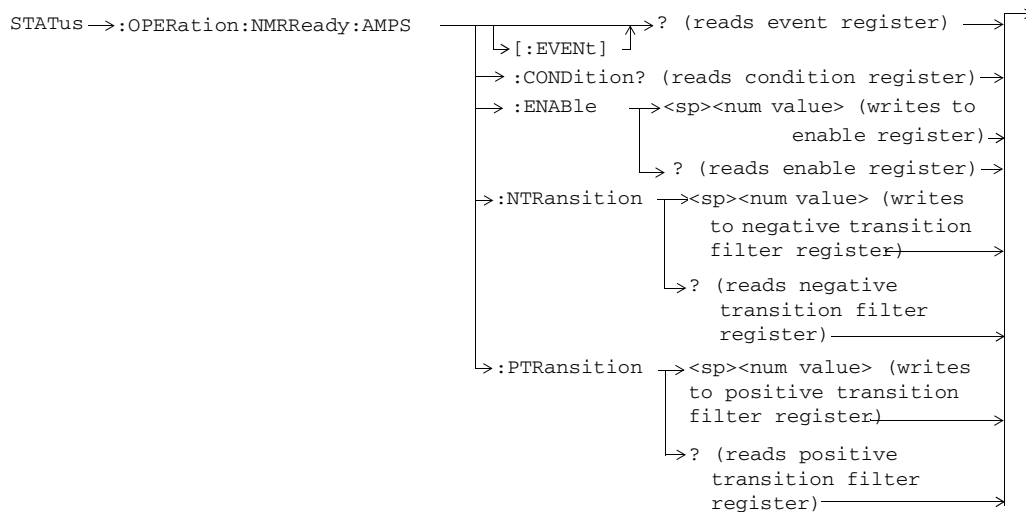
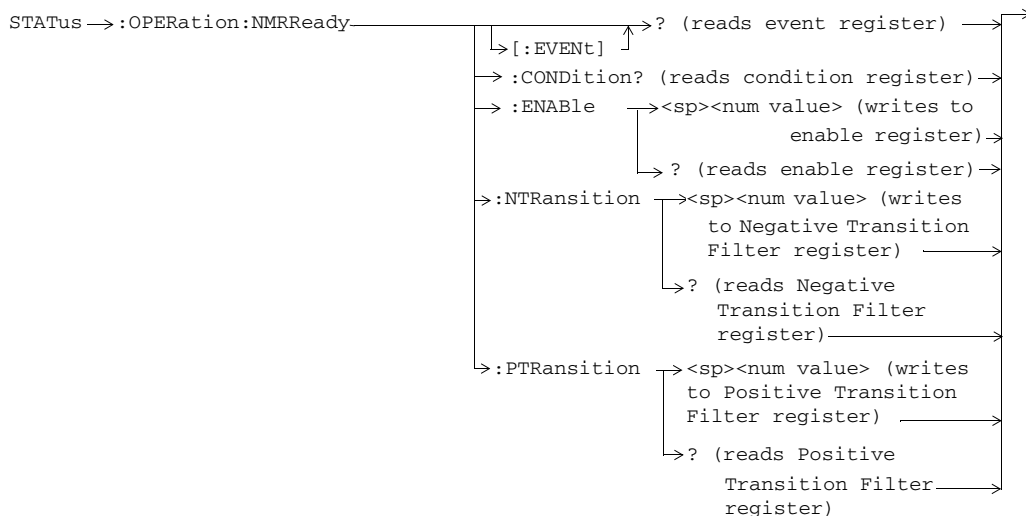
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



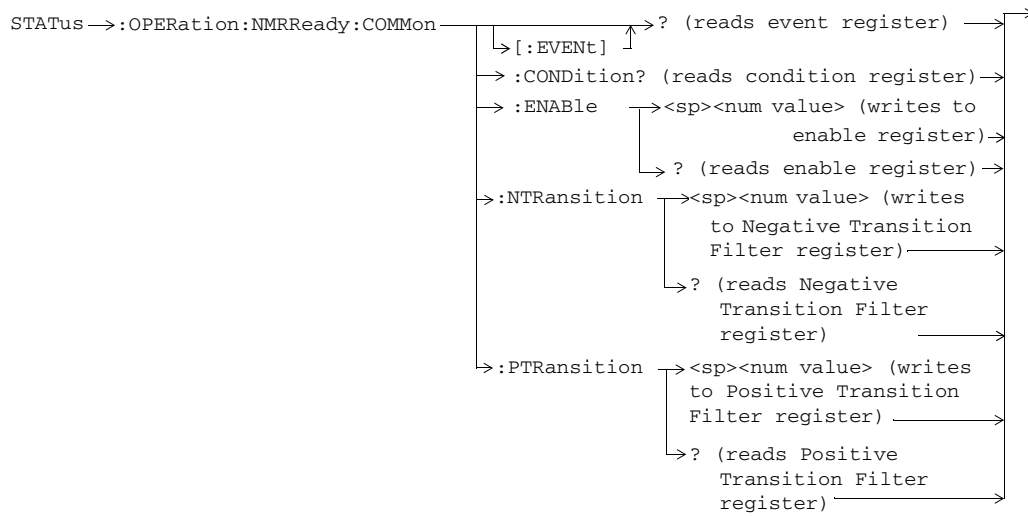


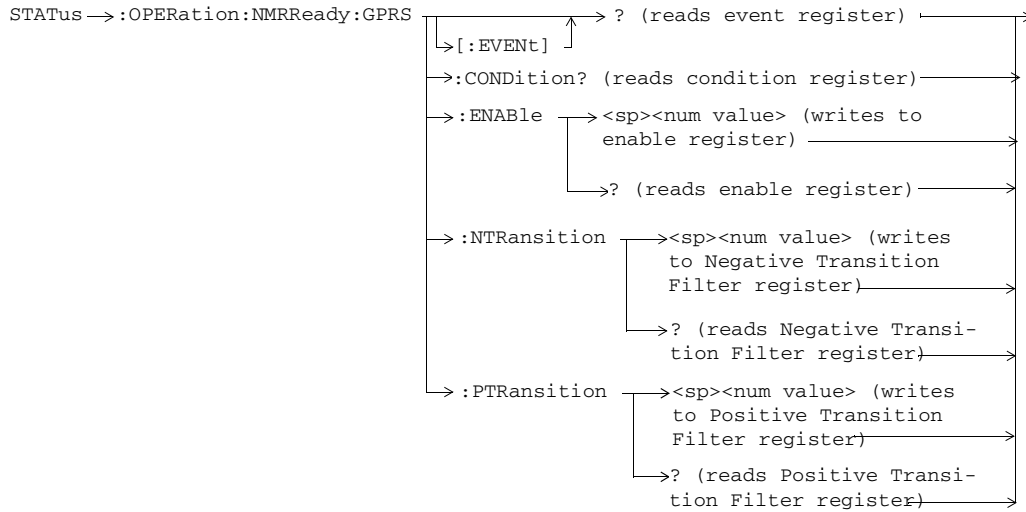
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



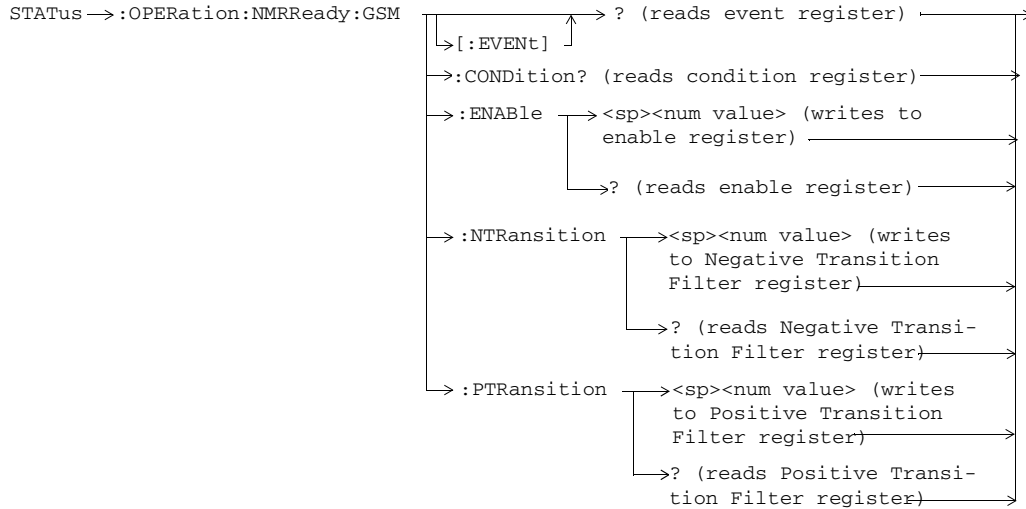


GPIB Syntax for E1968A, E6701D/E/T, and E6704A



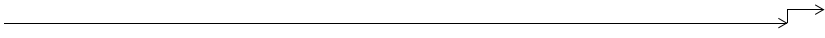


These commands are not applicable to GSM.

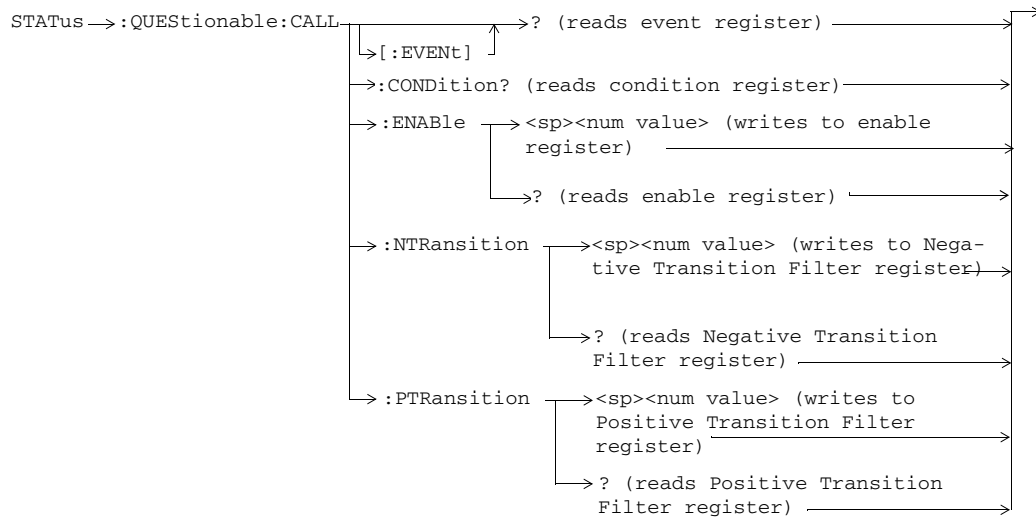
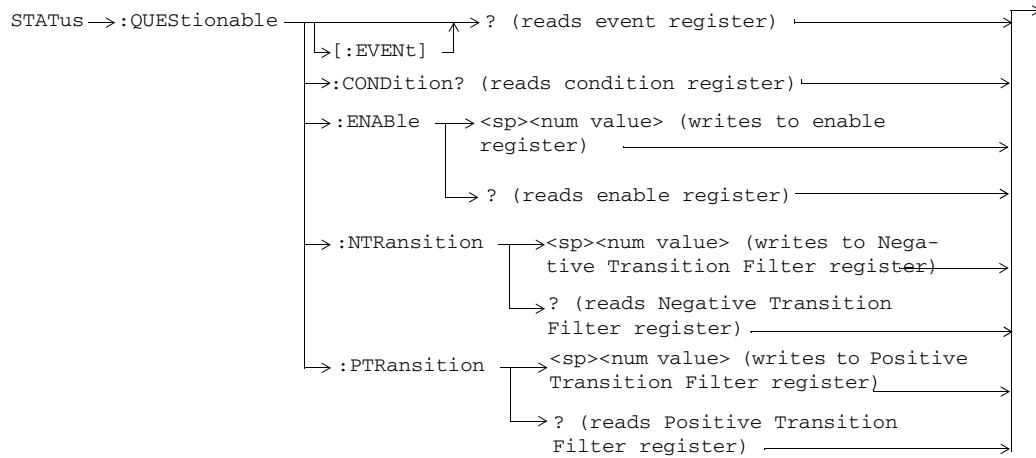


GPIB Syntax for E1968A, E6701D/E/T, and E6704A

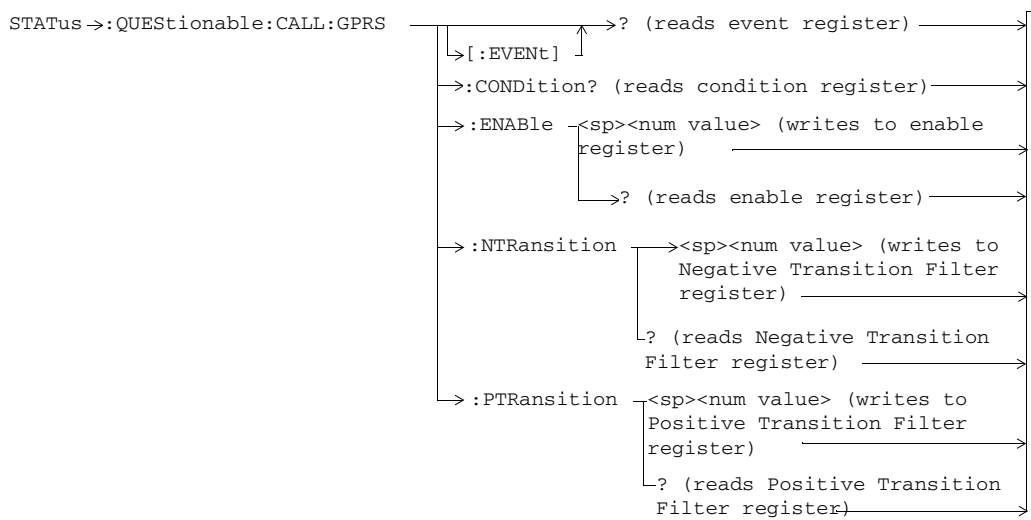
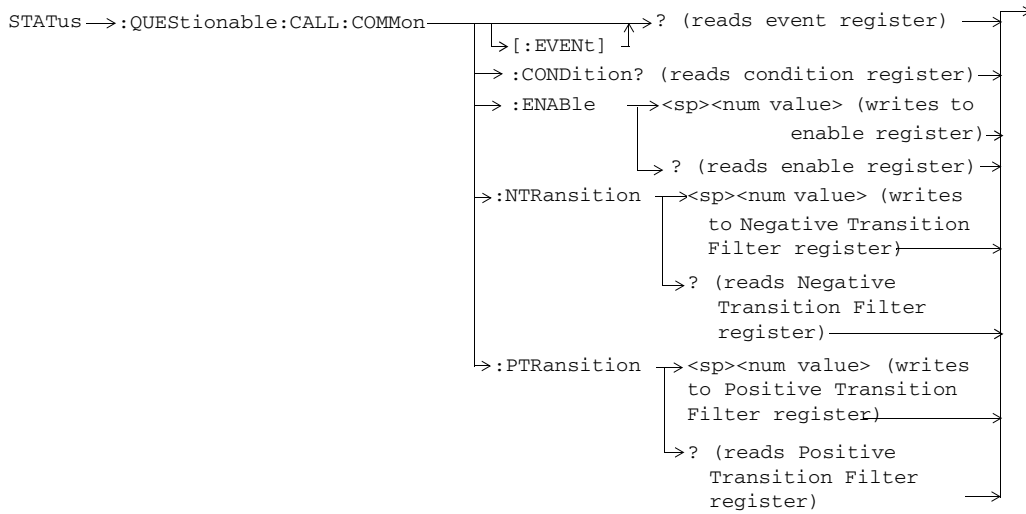
STATus:PRESet

STATus → :PRESet 

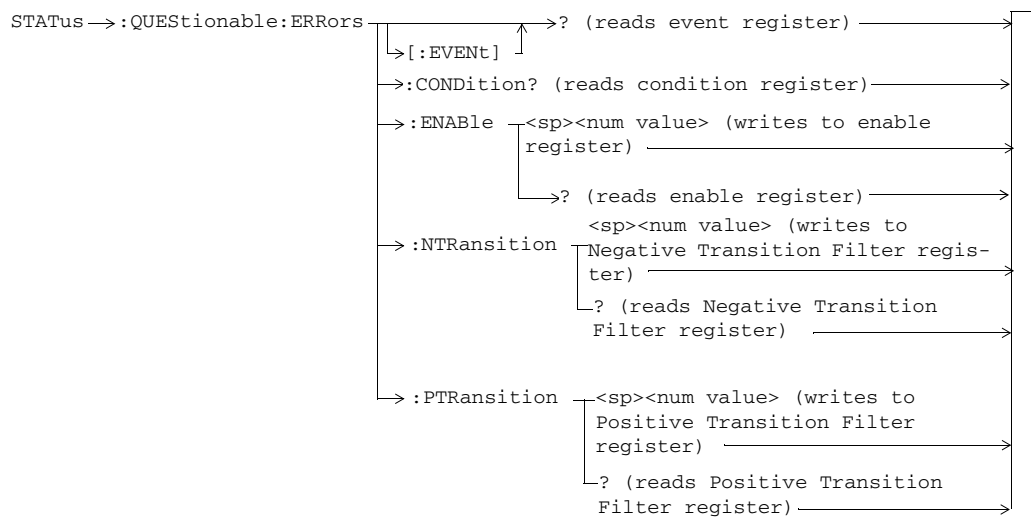
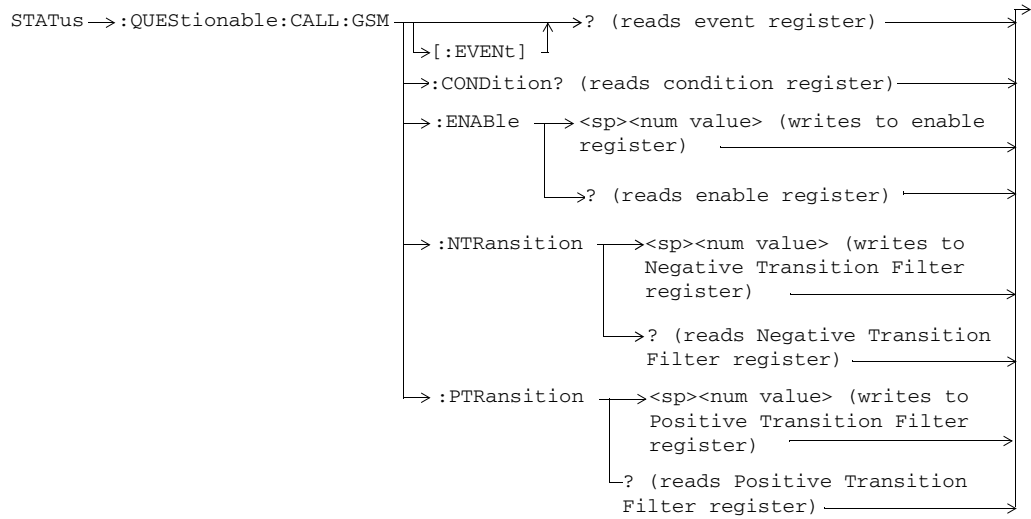
STATUS:QUESTIONable



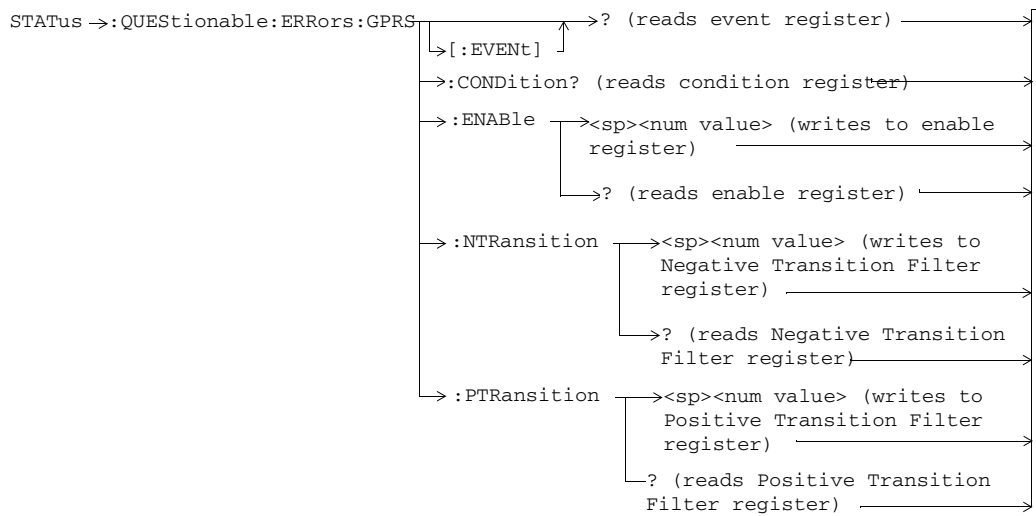
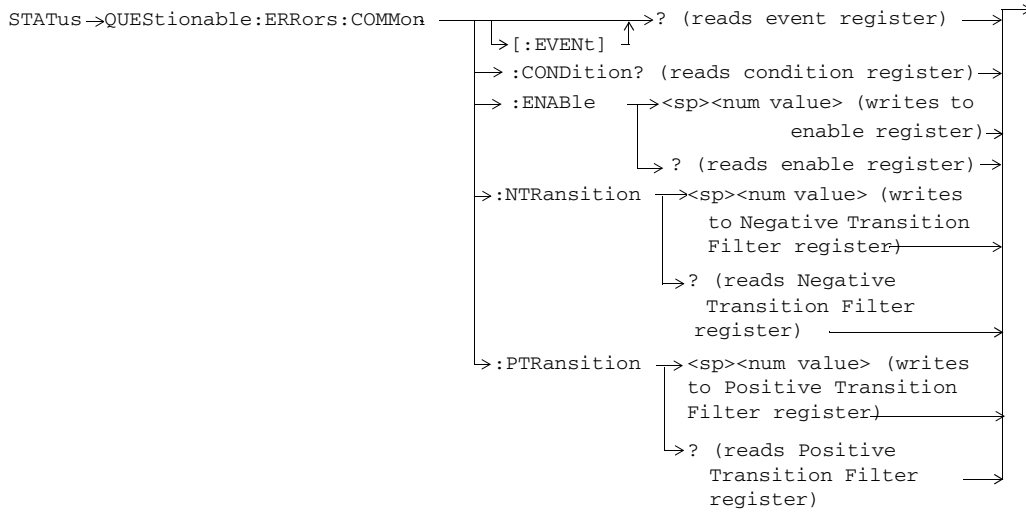
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



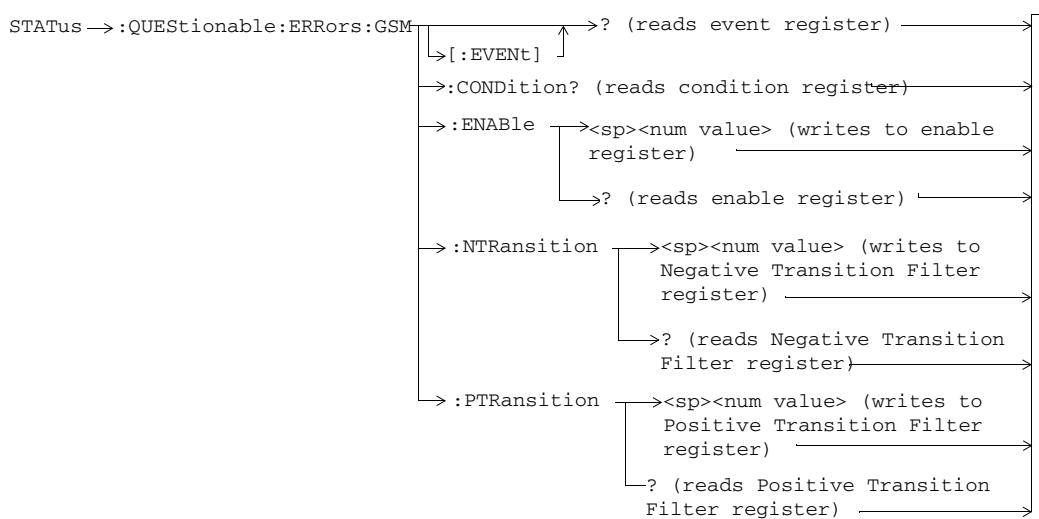
These commands are not applicable to GSM.



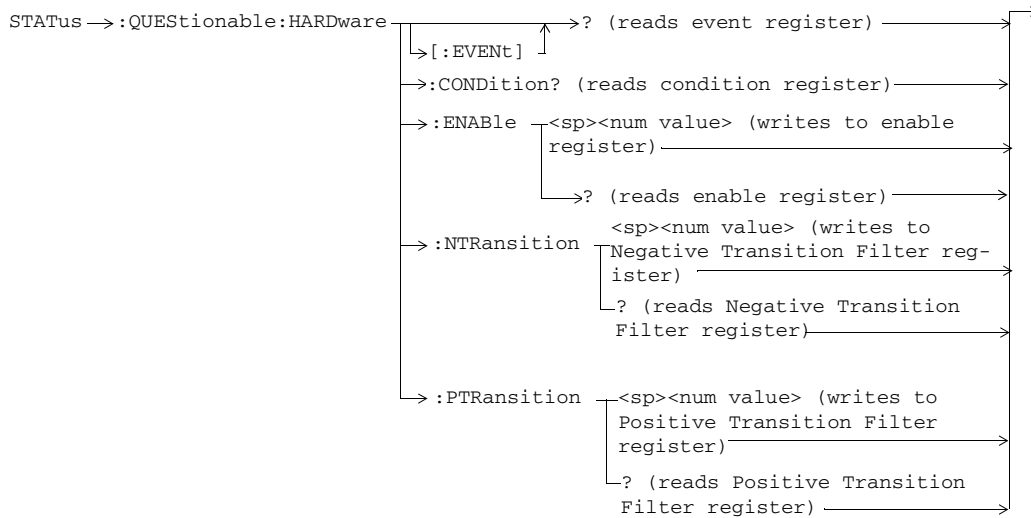
GPIB Syntax for E1968A, E6701D/E/T, and E6704A



These commands are not applicable to GSM.



These commands are not applicable to GPRS.



Status Byte Register

***STB?**

*STB? →

Standard Event Status Register

***ESR?**

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

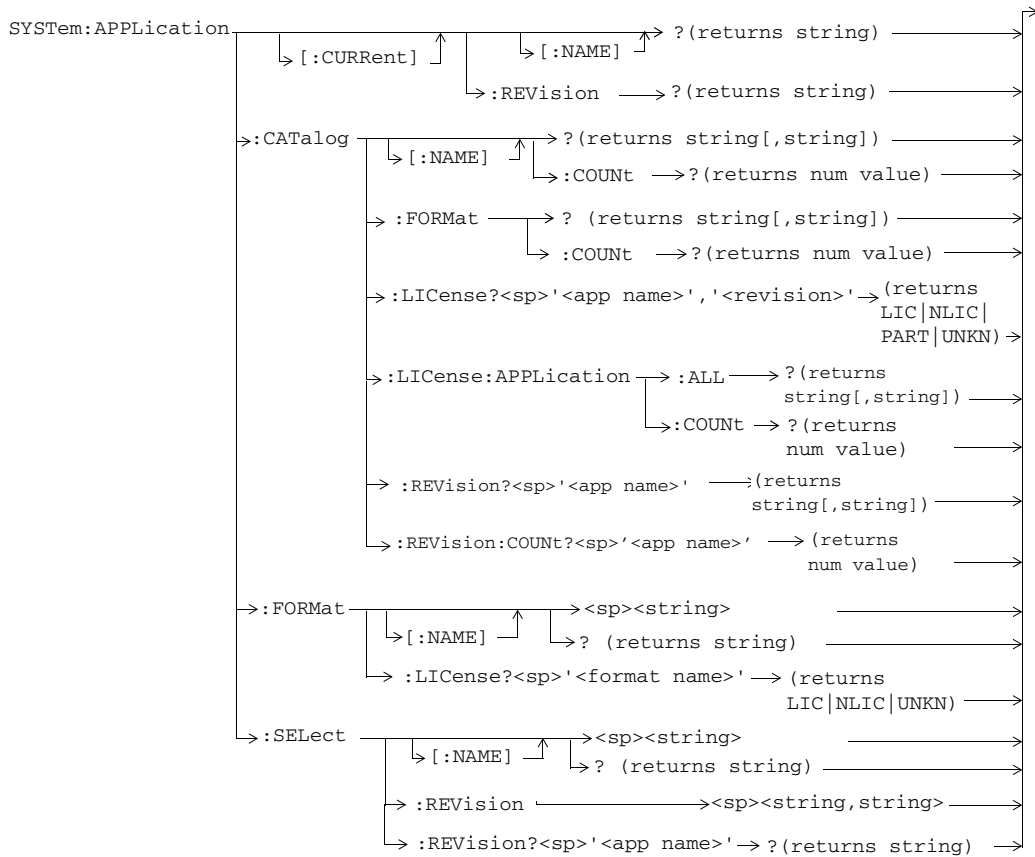
***ESE?**

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

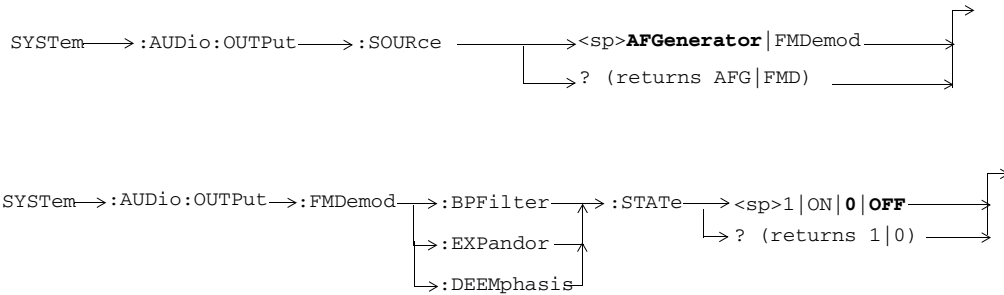
***ESE**

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

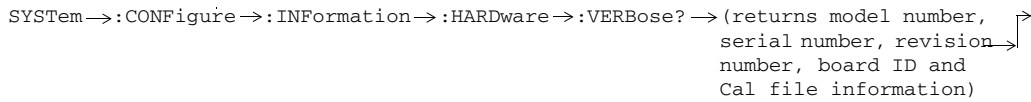
SYSTem:APPLication



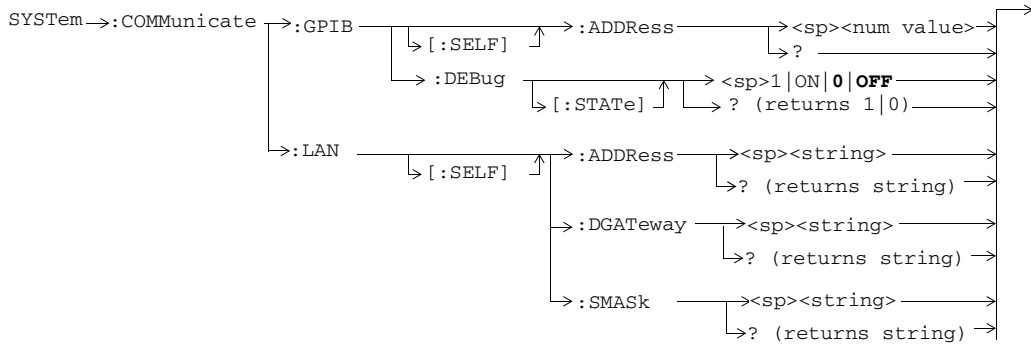
SYSTEM:Audio



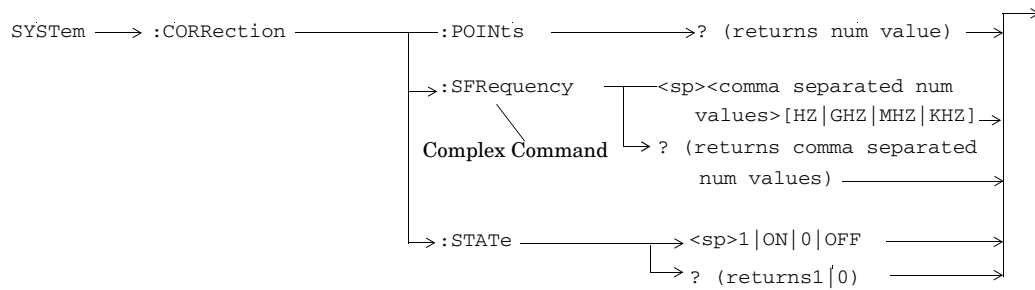
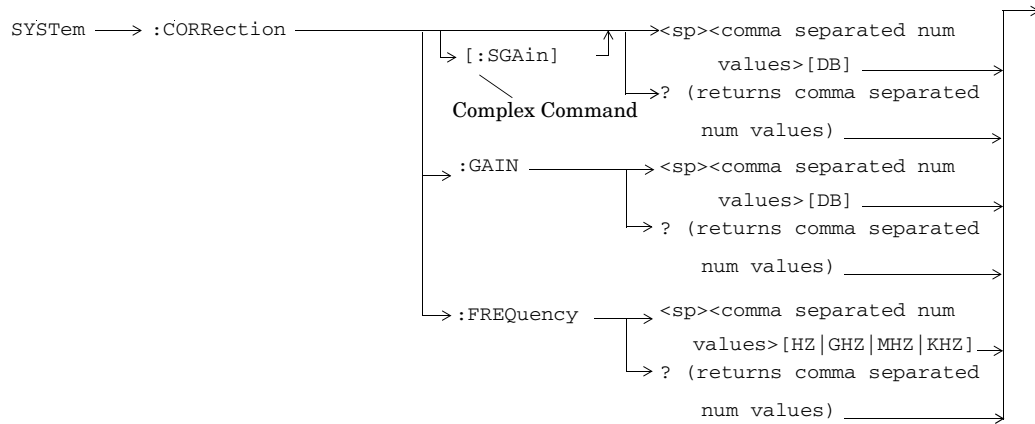
SYSTEM:CONFigure



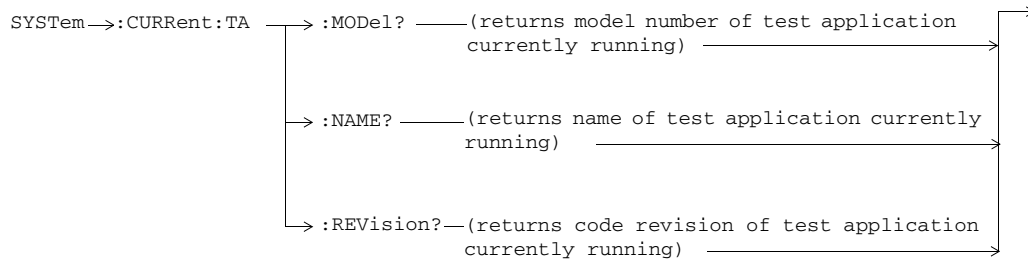
SYSTEM:COMMunicate



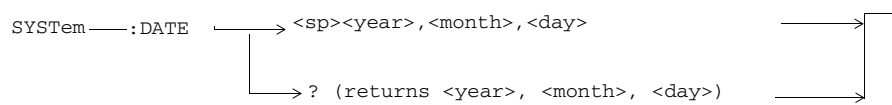
SYSTEM:CORRection



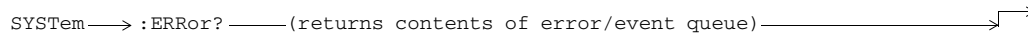
SYSTEM:CURRENT:TA



SYSTEM:DATE

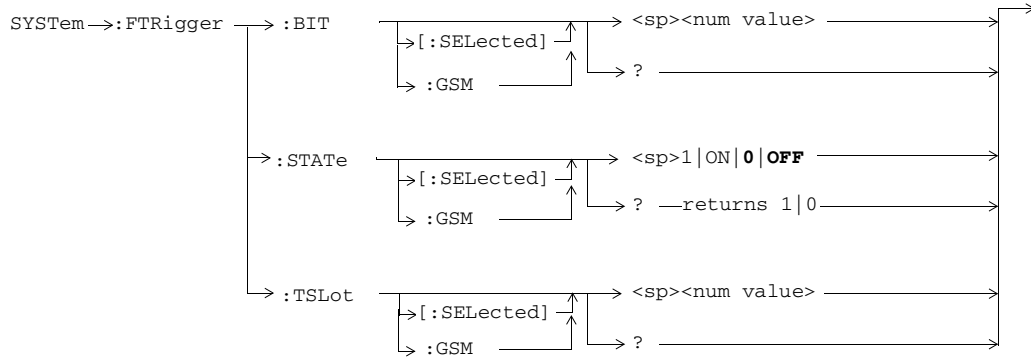


SYSTEM:ERROR?

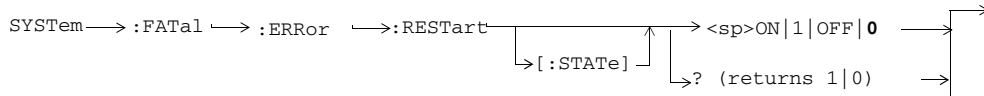


SYSTEM:FTRigger

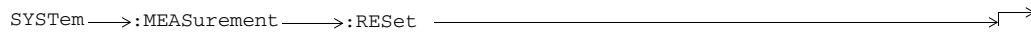
NOTE This command has been replaced by the command CALL:TRIGger[:OUTPut].



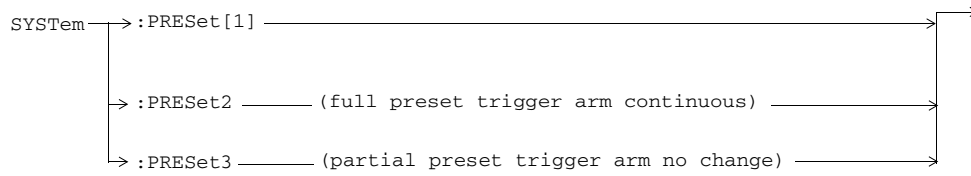
SYSTEM:FATal



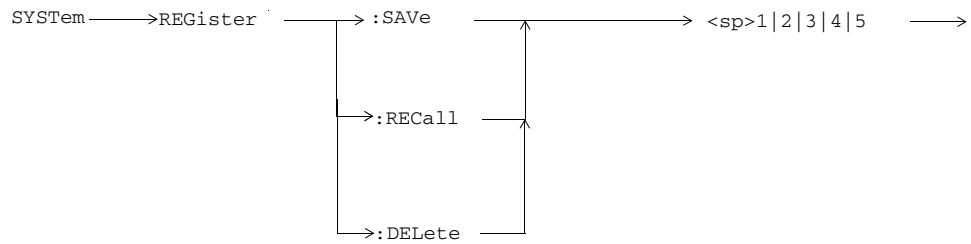
SYSTEM:MEASurement



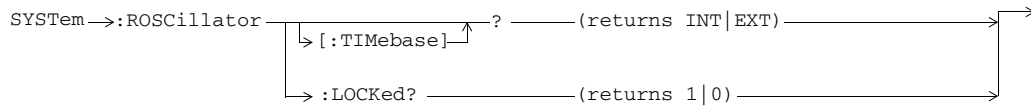
SYSTem:PRESet



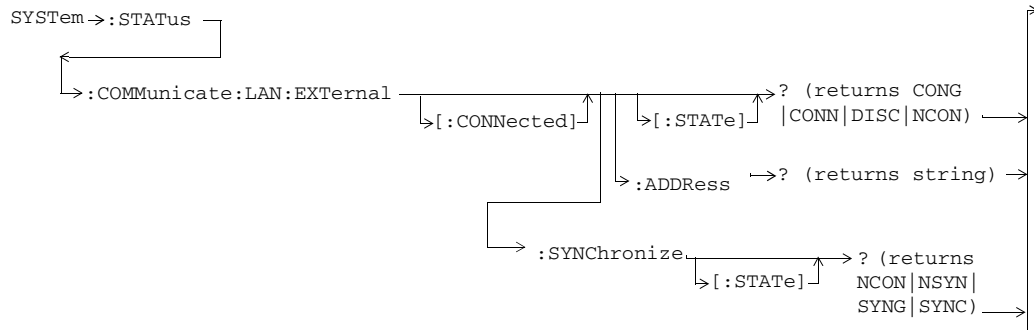
SYSTEM:REGister



SYSTEM:ROSCillator



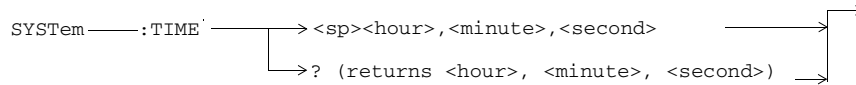
SYSTEM:STATus



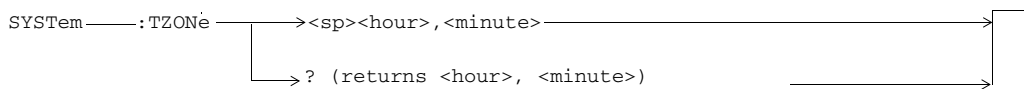
SYSTEM:SYNChronized



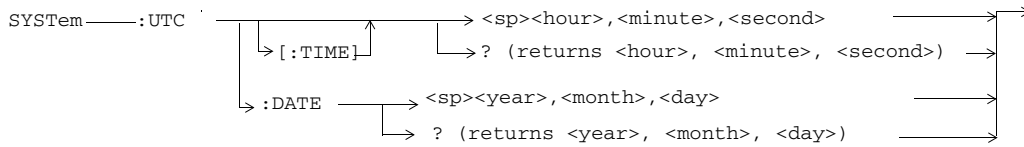
SYSTem:TIME



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.

***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.

GPIB Syntax for E1968A, E6701D/E/T, and E6704A

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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.

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