

# **GPIB Command Syntax**

**for**

**GSM/GPRS/EGPRS Mobile Test Application E1968A Revision A.07**

**GSM/GPRS Lab Application E6701D/E (including E6704A EGPRS) Revision  
D.03.46/E.01**

**GSM/GPRS Special Lab Application E6701T (including E6704A EGPRS)  
Revision T.01**

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**[www.agilent.com/find/E1968A](http://www.agilent.com/find/E1968A)**  
**[www.agilent.com/find/E6701D](http://www.agilent.com/find/E6701D)**  
**[www.agilent.com/find/E6701E](http://www.agilent.com/find/E6701E)**  
**[www.agilent.com/find/E6701T](http://www.agilent.com/find/E6701T)**  
**[www.agilent.com/find/E6704A](http://www.agilent.com/find/E6704A)**

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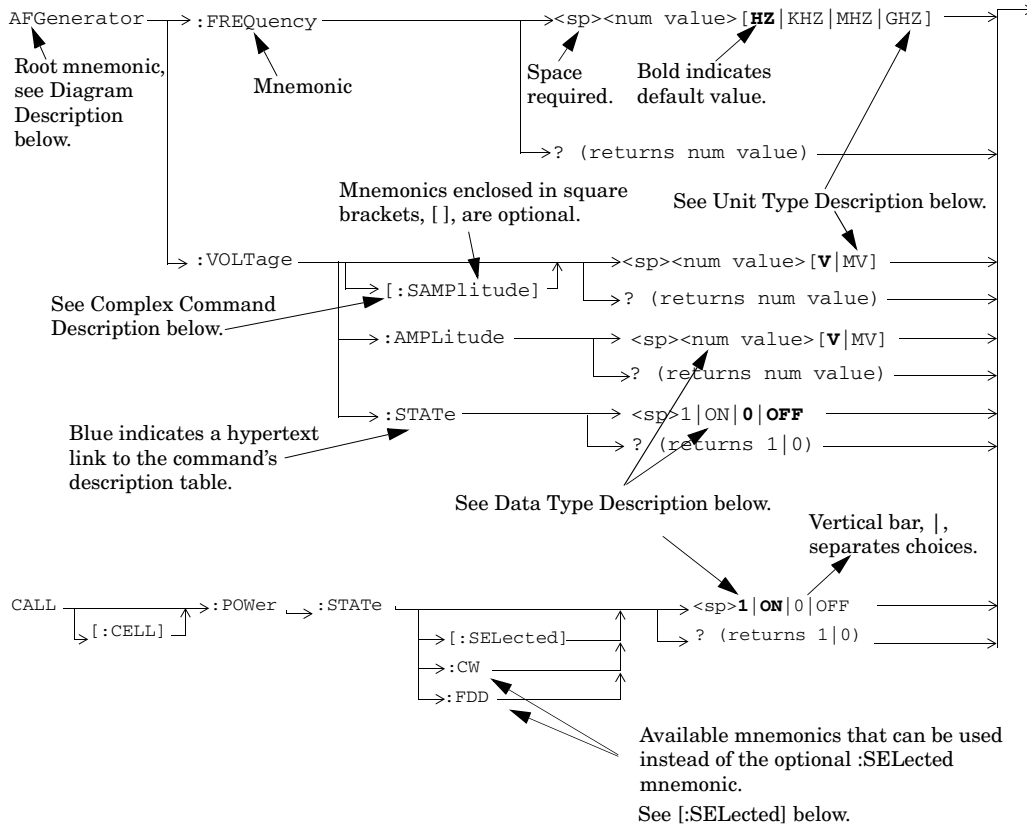
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## GPIO Syntax for E1968A, E6701D/E/T, E6704A

### Diagram Conventions

#### 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.

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

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 '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: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
-------------	----------------	---------



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

Amplitude (linear)	<b>V</b>   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)	<b>DBM</b>   DBW	
Level (relative)	<b>DB</b>	
Frequency	<b>HZ</b>   KHZ   MHZ   GHZ	
Time	<b>S</b>   MS   US   NS	
Percentage	<b>PCT</b>	

**[: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]**

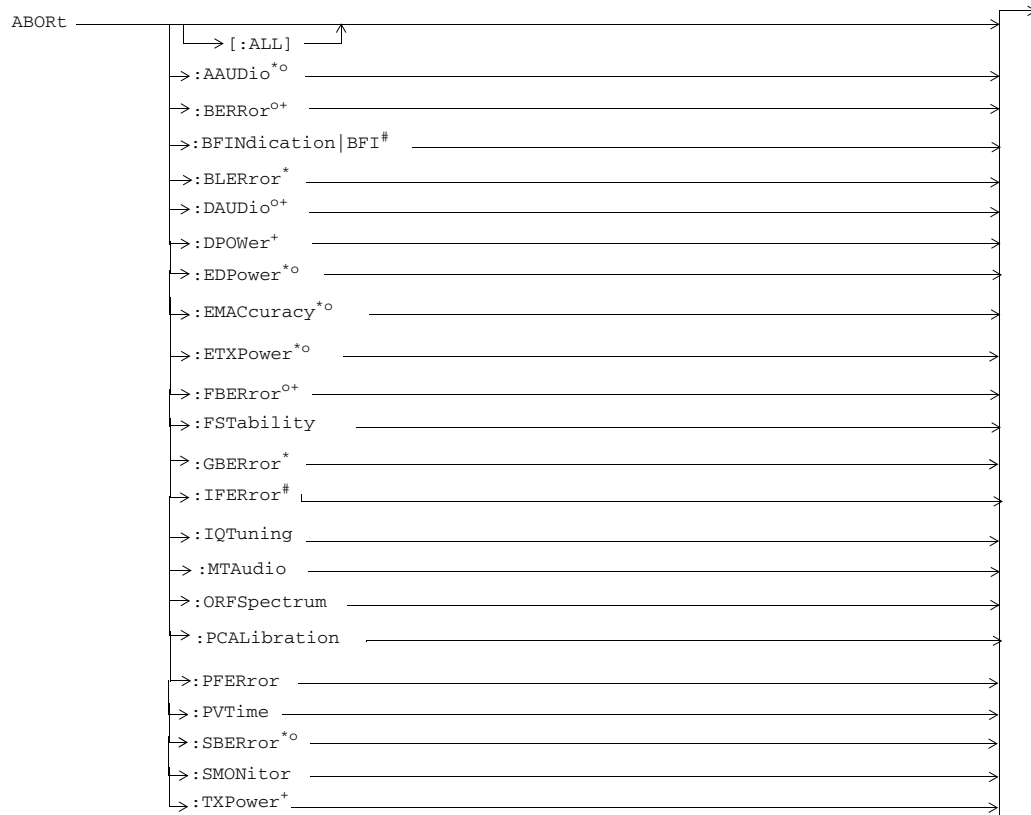
Available mnemonics that can be use instead of the optional [:SElected] mnemonic.

**CALL[:CELL]:POWer:AMPLitude:(CWIFDD) ←**

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"> <li>FDD: -165 dBm/3.84MHz to +37 dBm/3.84MHz</li> <li>CW: -177 dBm to +40 dBm</li> </ul>

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

**ABORt**



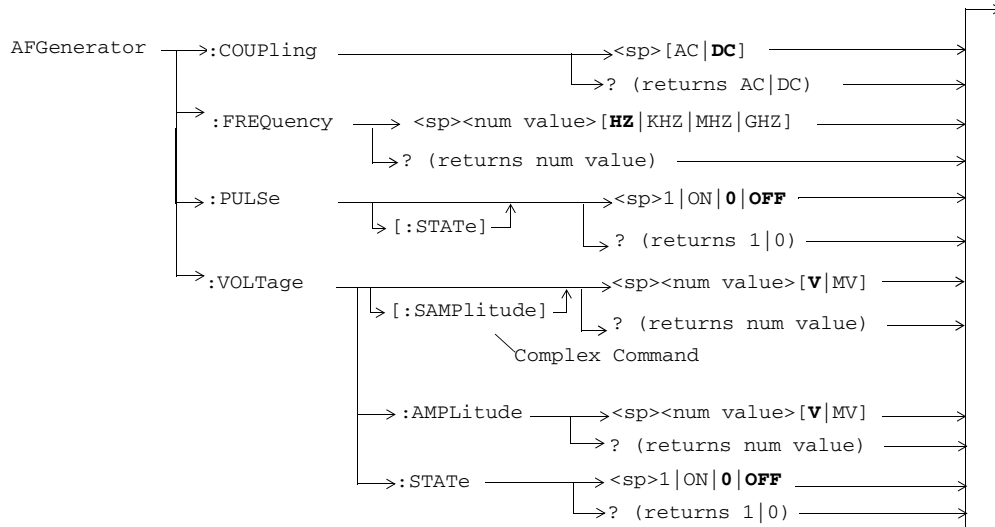
\* Not applicable to GSM.

° Not applicable to GPRS.

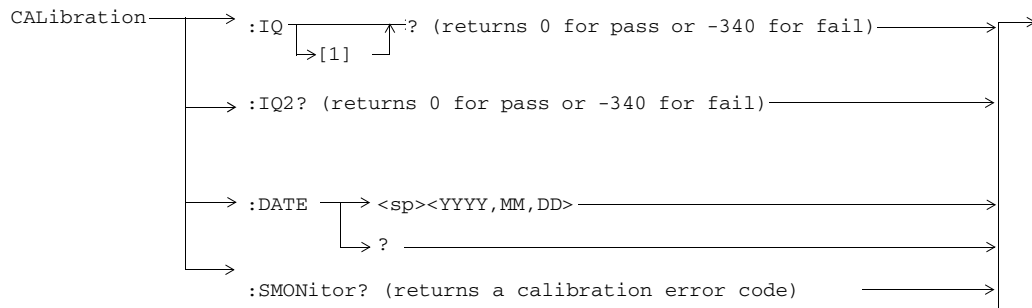
+ Not applicable to EGPRS.

# Only applicable to the GSM/GPRS lab application.

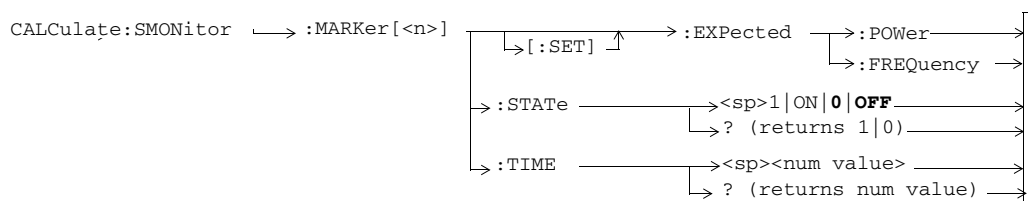
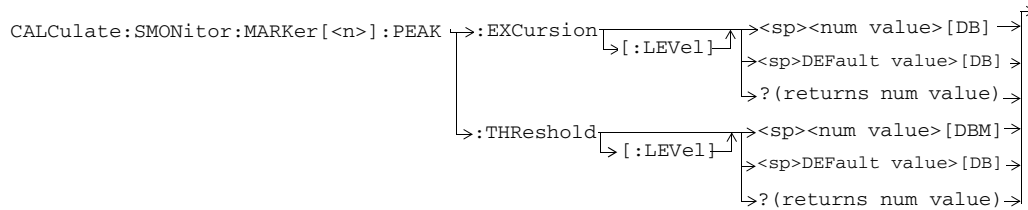
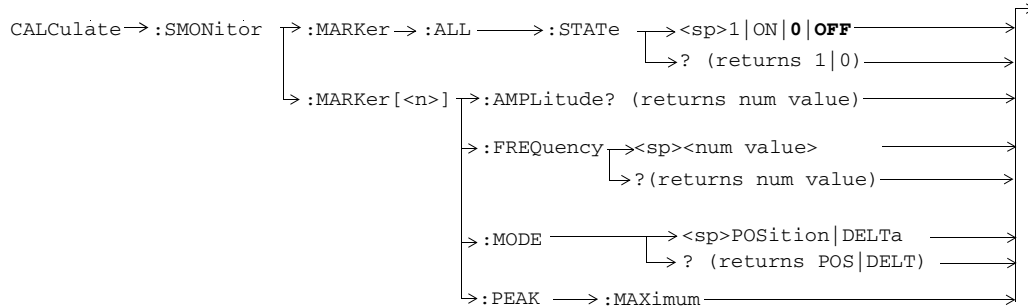
**AFGenerator**



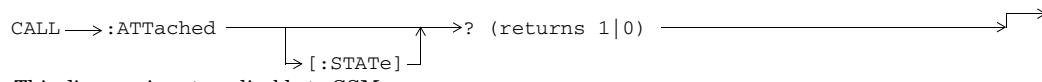
**CALibration**



**CALCulate:SMONitor**



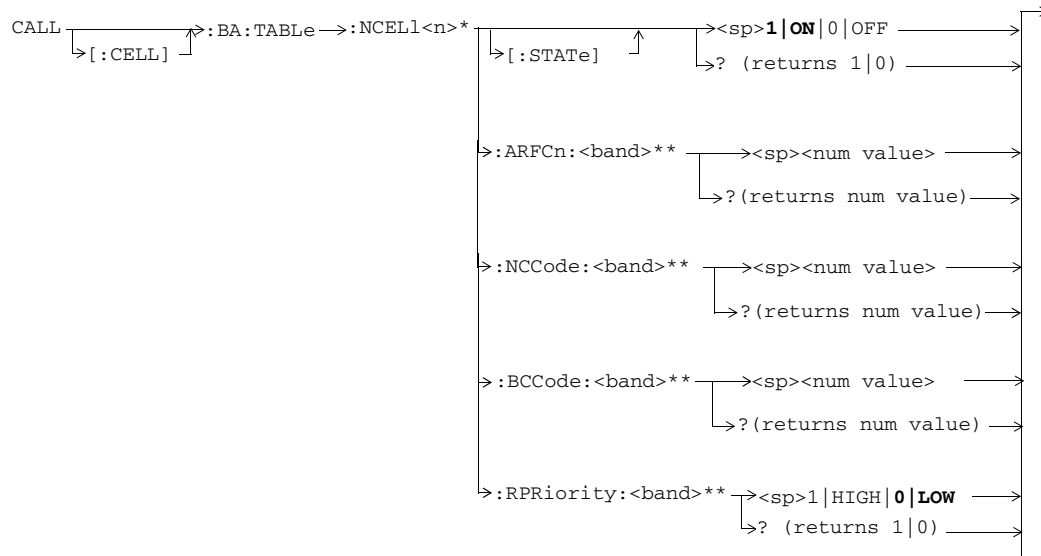
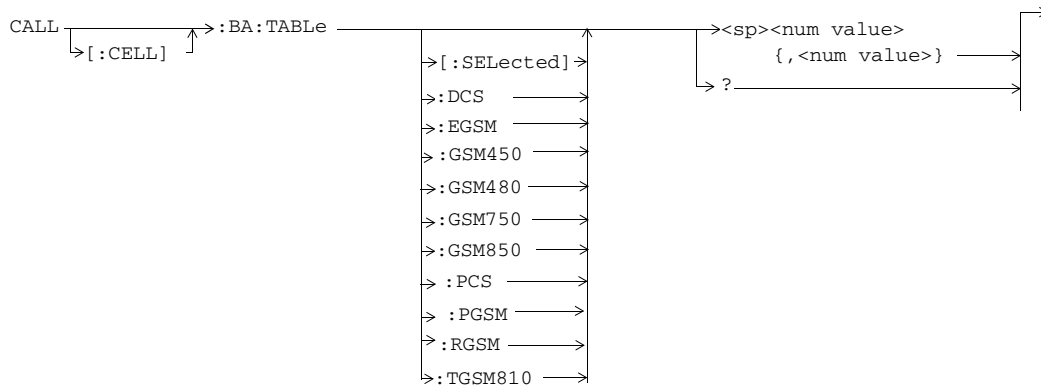
**CALL:ATTached**



This diagram is not applicable to GSM.

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

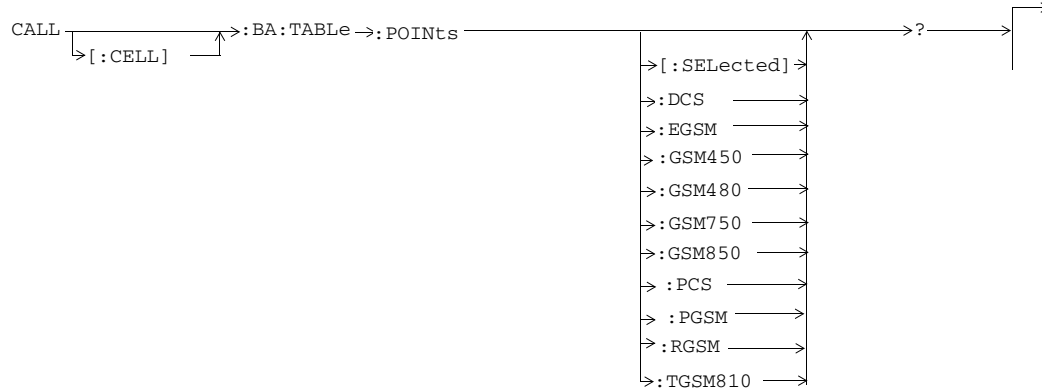
**CALL:BA**



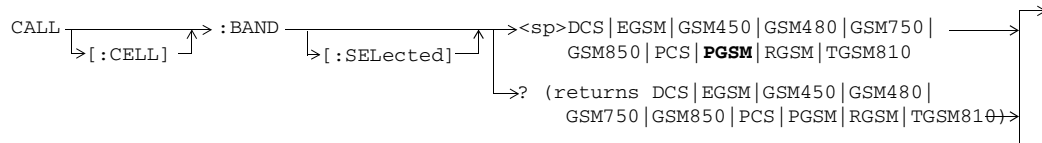
\* The value <n> ranges from 1 to 16 and selects to which neighbour cell the parameters apply

\*\* <band> can be any of the following: PGSM, EGSM, DCS, PCS, GSM450, GSM480, GSM750, GSM850, TGSM810, RGSM, and [SElected].

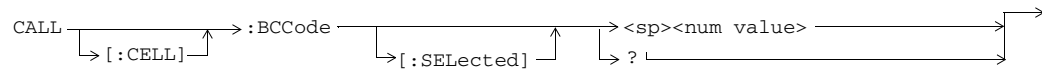
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



**CALL:BAND**

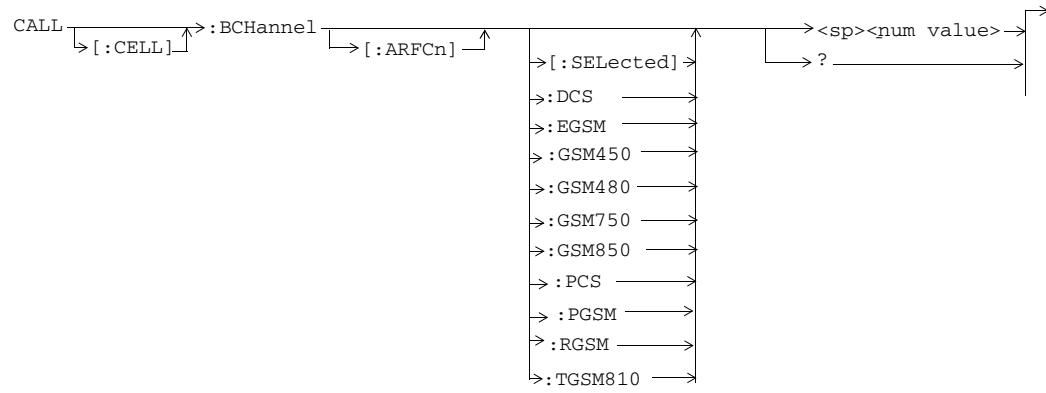


**CALL:BCCode**



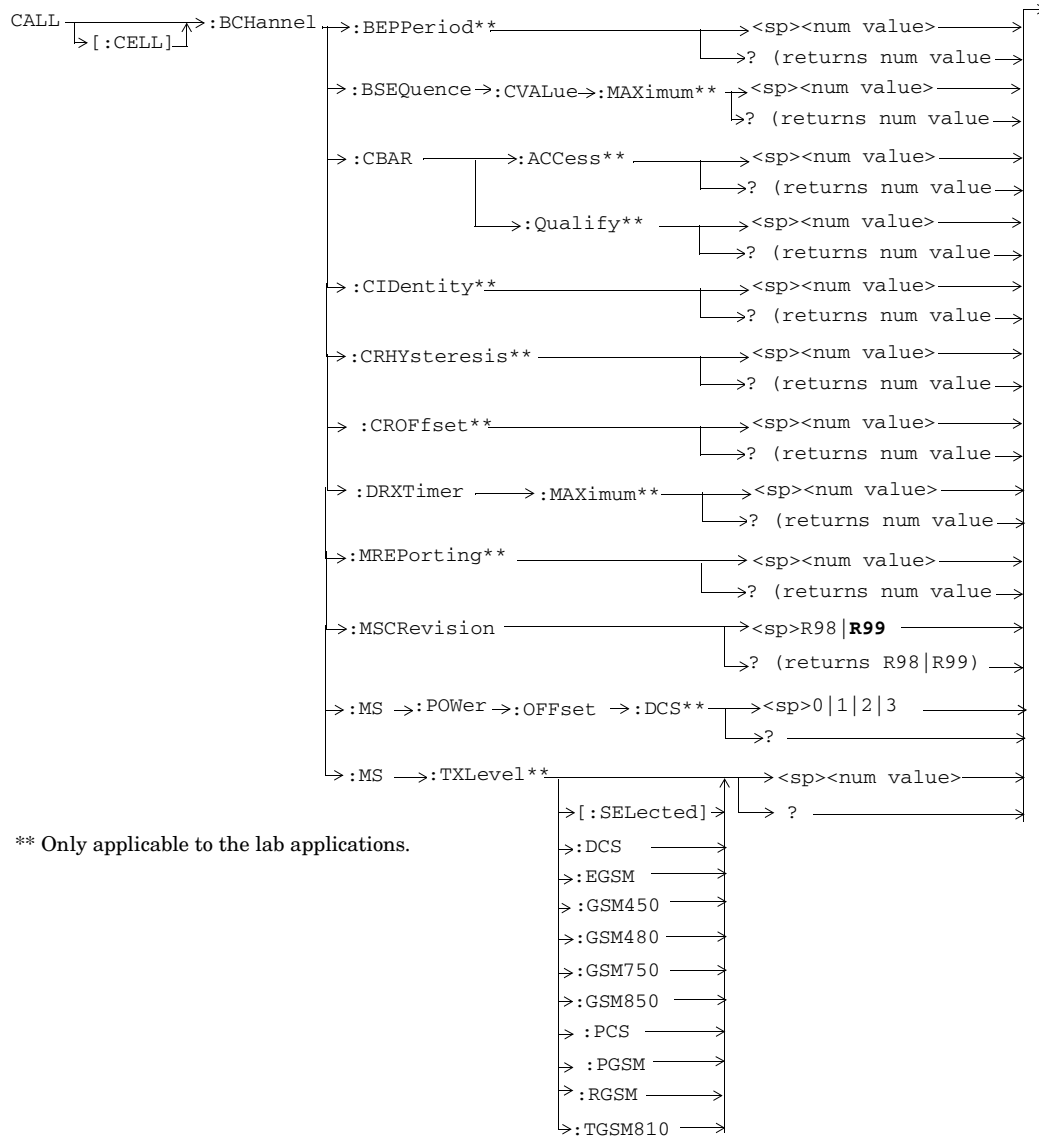
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

**CALL:BCHannel**



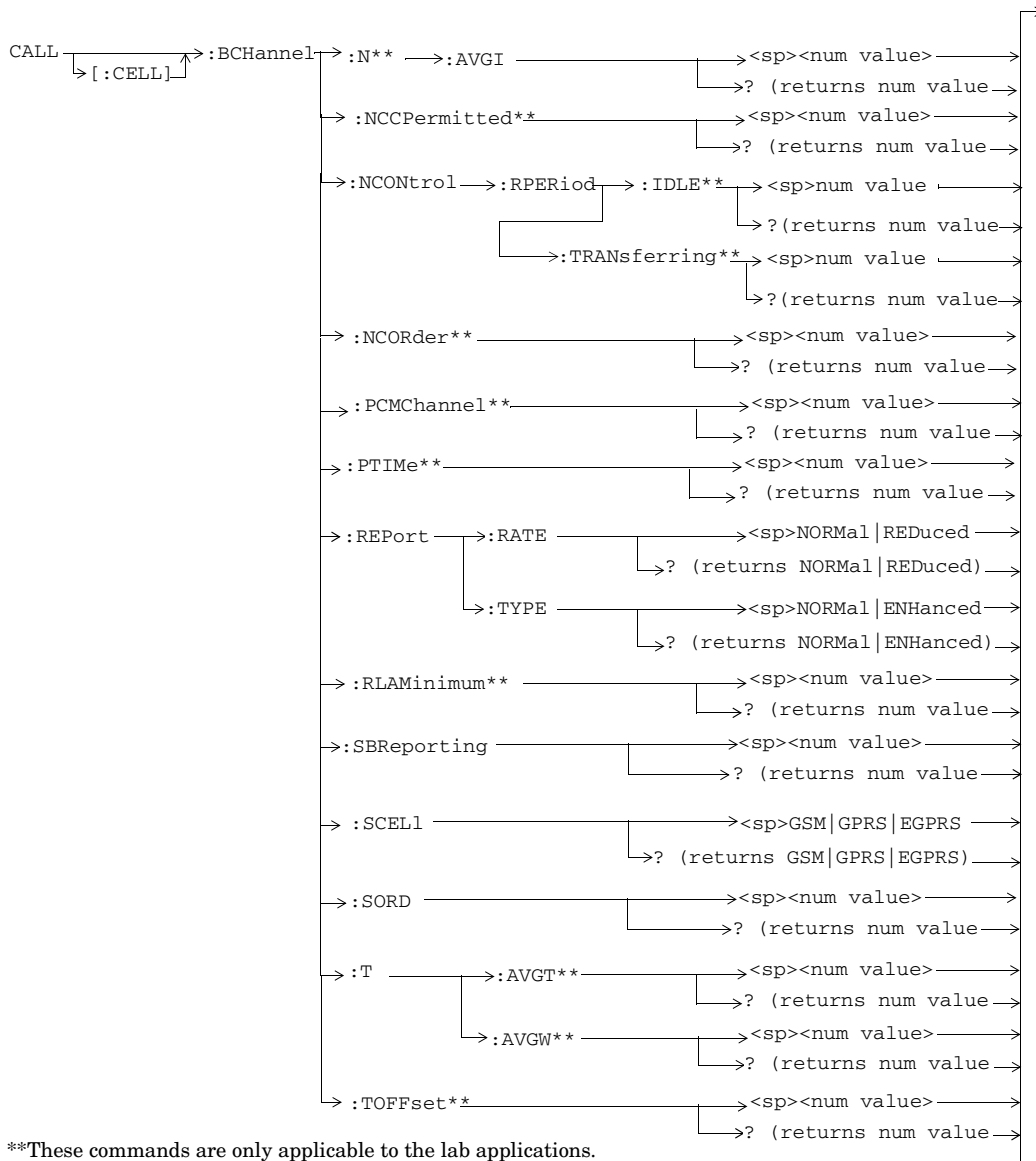


**GPiB Syntax for E1968A, E6701D/E/T, E6704A**



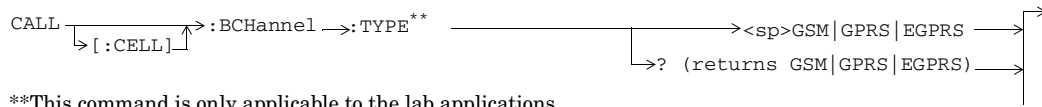
\*\* Only applicable to the lab applications.

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



\*\*These commands are only applicable to the lab applications.

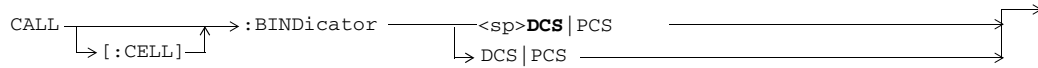
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



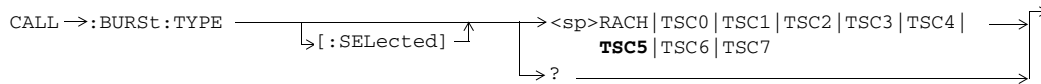
\*\*This command is only applicable to the lab applications.

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

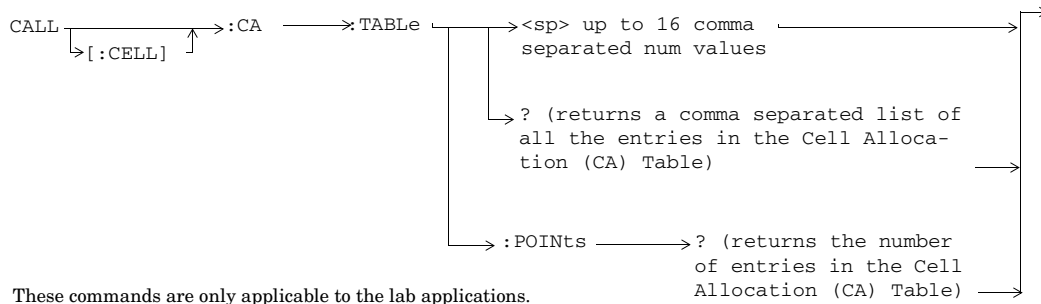
**CALL:BINdicator**



**CALL:BURSt**

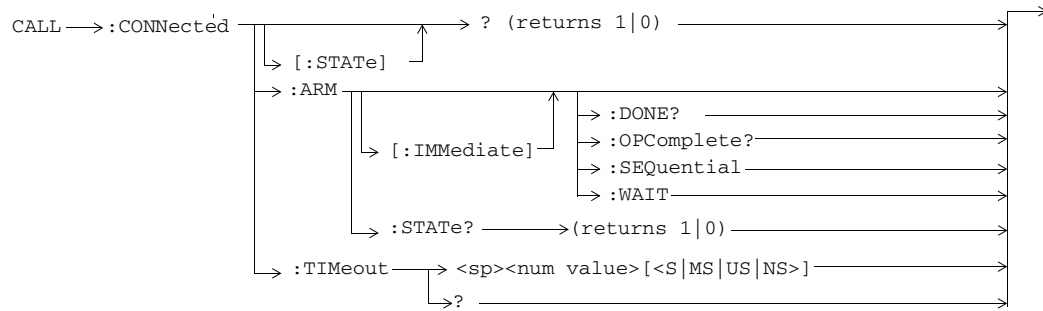


**CALL:CA**



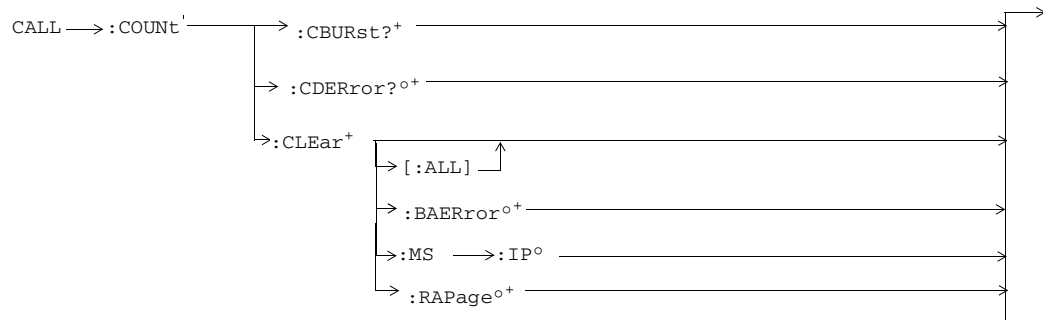
These commands are only applicable to the lab applications.

**CALL:CONNEcted**



These commands are not applicable to GPRS.

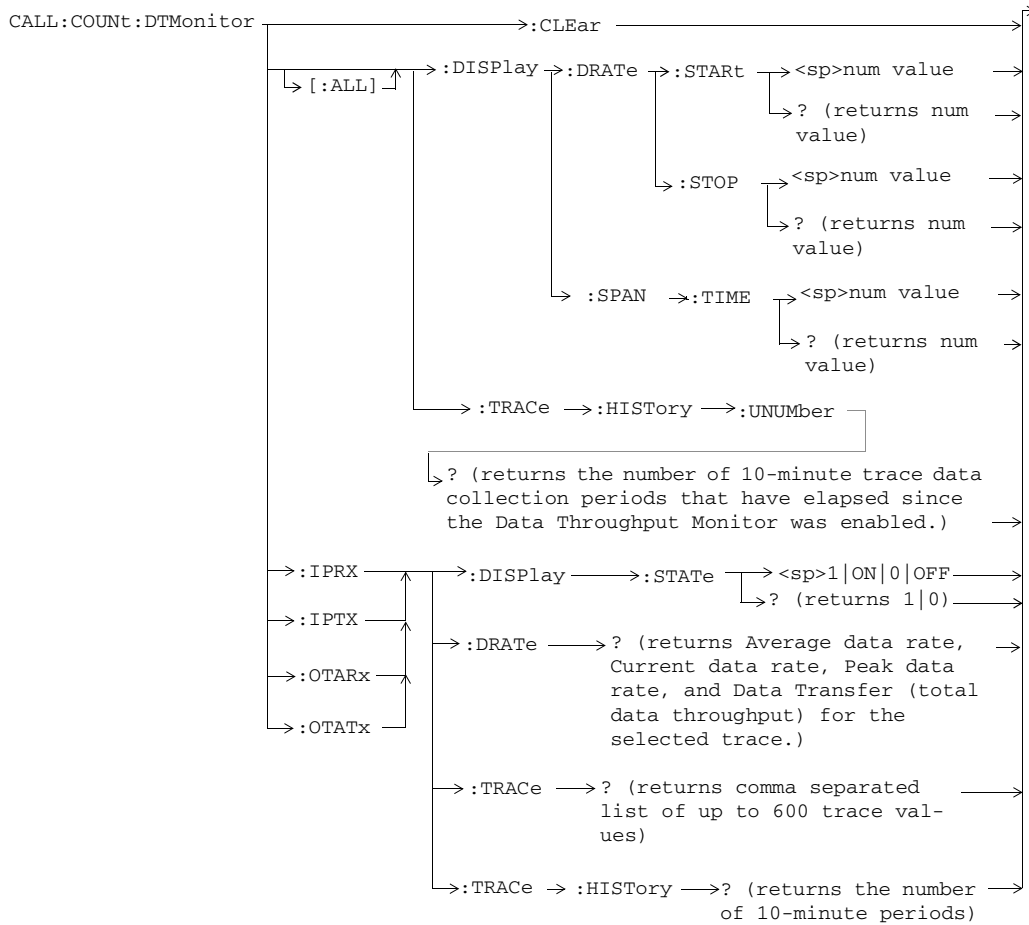
**CALL:COUNT**



+These commands are only applicable to the test applications.

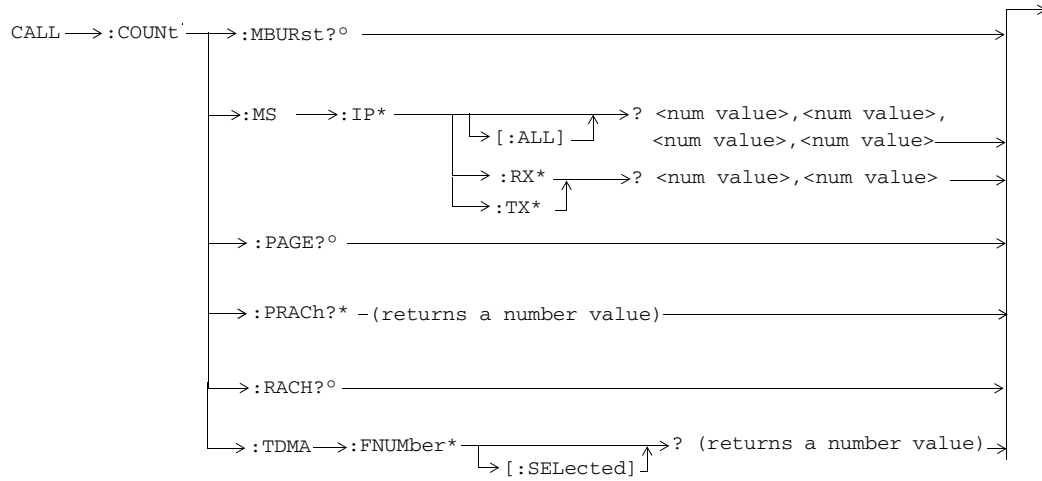
°These commands are only applicable to the lab applications.

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



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

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

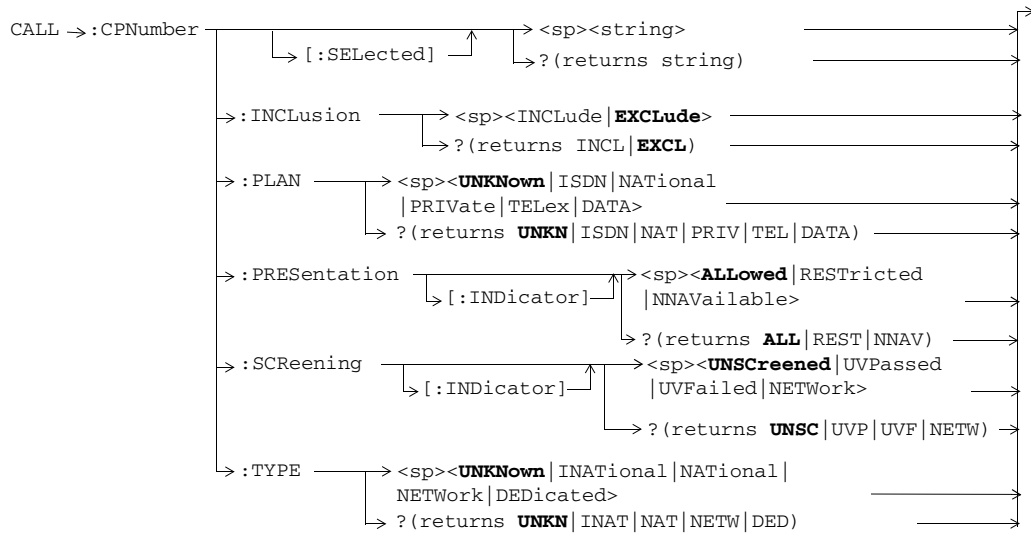


\*These commands are only applicable to the GPRS lab application.

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

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

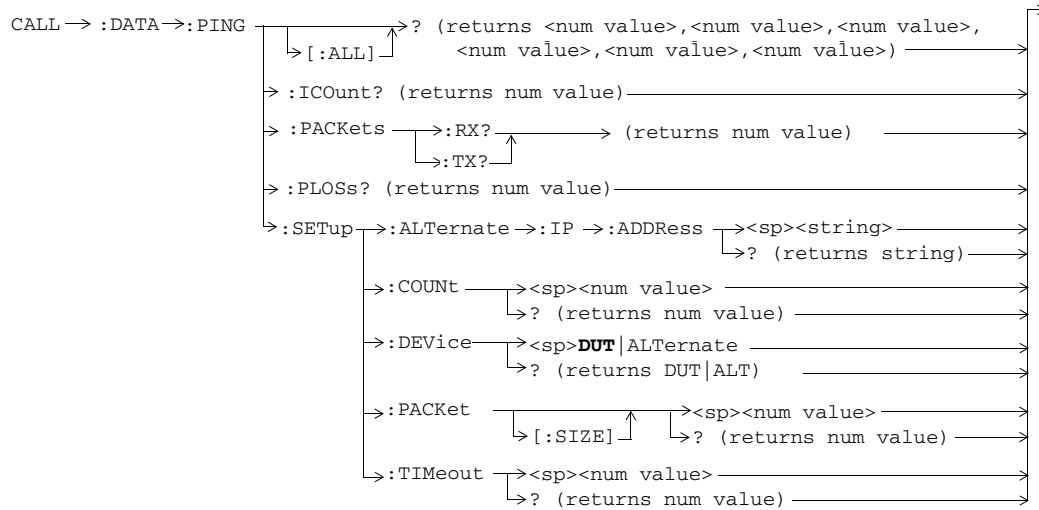
**CALL:CPNumber**



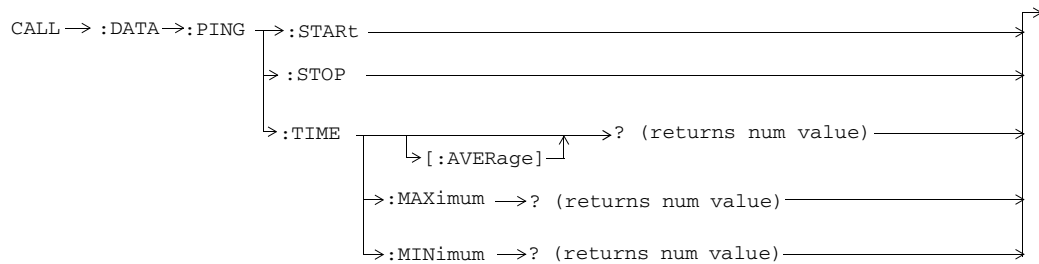
These commands are only applicable to the lab application.



**CALL:DATA**

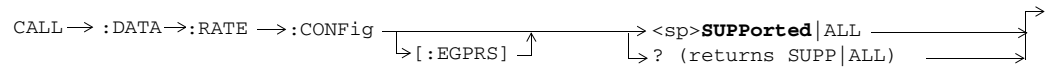


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



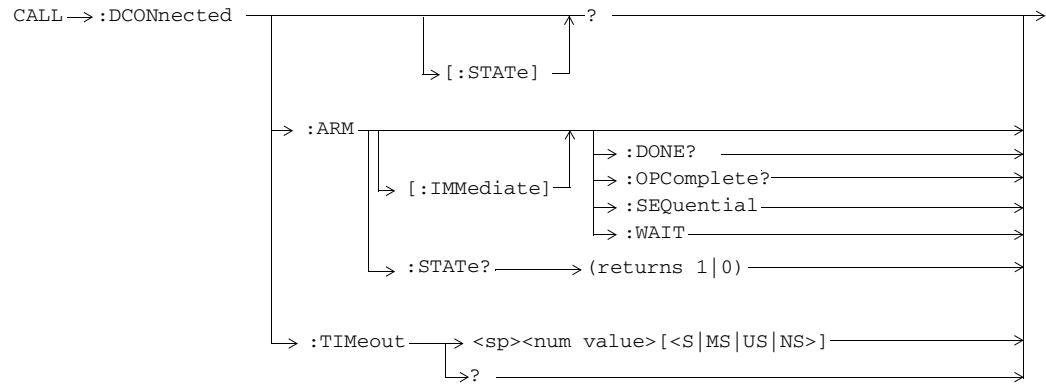
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

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



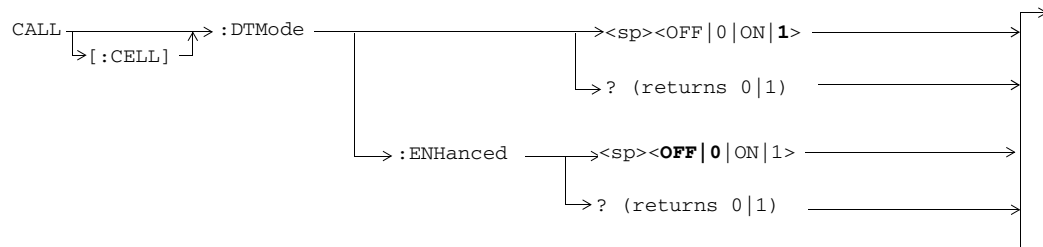
This command is only applicable to EGPRS.

**CALL:DCONnected**



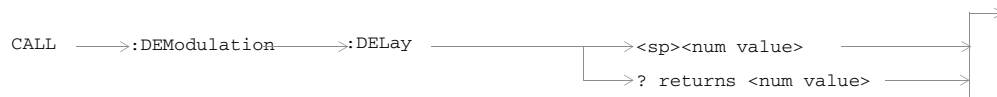
These commands are not applicable to the GSM TA.

**CALL:DTMode**



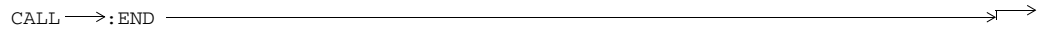
This command is only applicable to the lab applications.

**CALL:DEModulation**



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

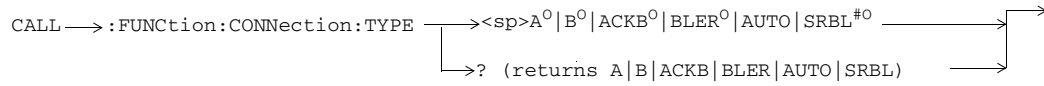
**CALL:END**



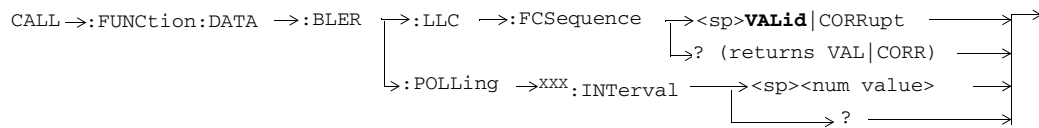
This command is not applicable to the GPRS TA.

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

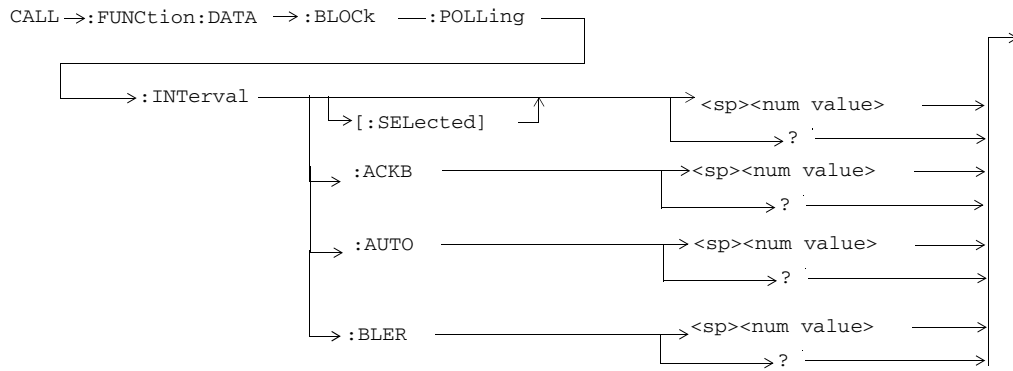
**CALL:FUNction**



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

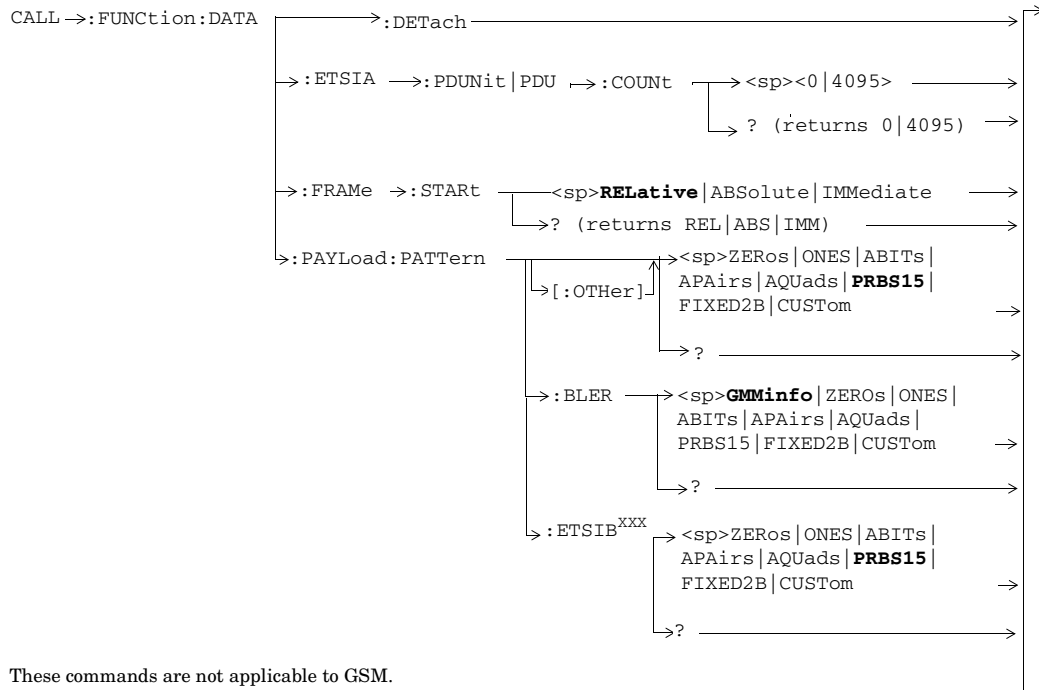


These commands are not applicable to GSM.  
xxx This command is obsolete.

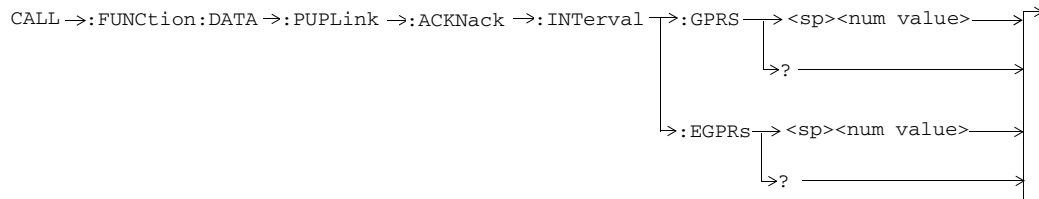


These commands are not applicable to GSM.

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

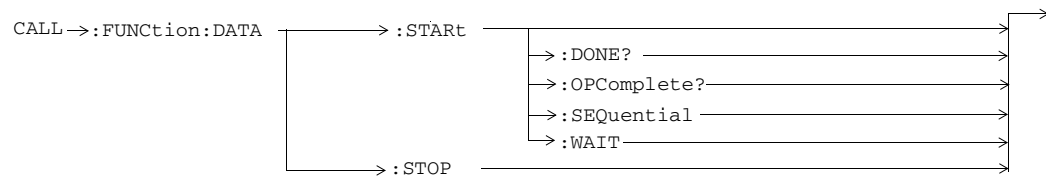


These commands are not applicable to GSM.

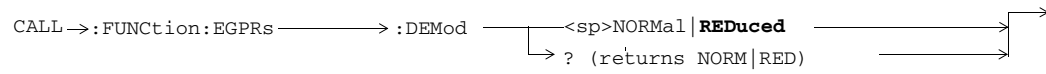


These commands are not applicable to GSM.

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

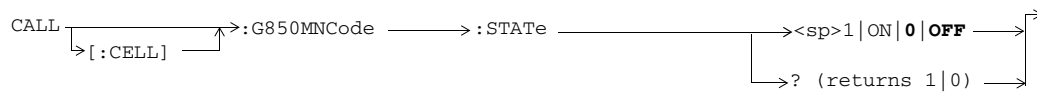
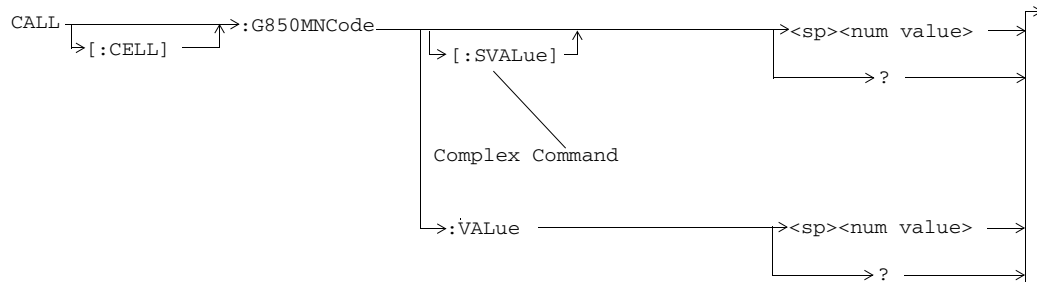


These commands are not applicable to GSM.

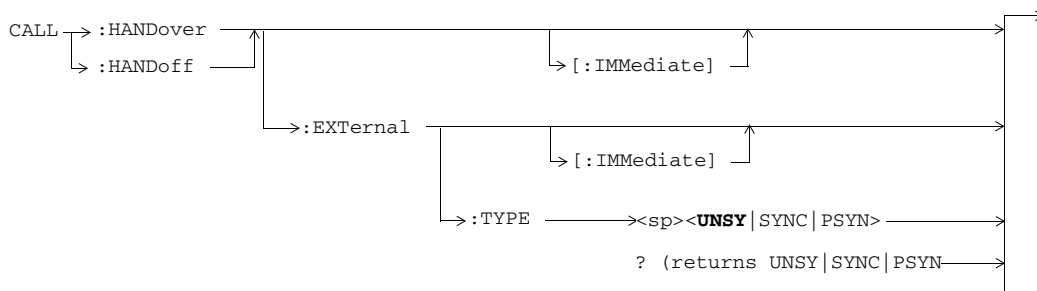


This command is only applicable to the EGPRS TA.

**CALL:G850MNCode**

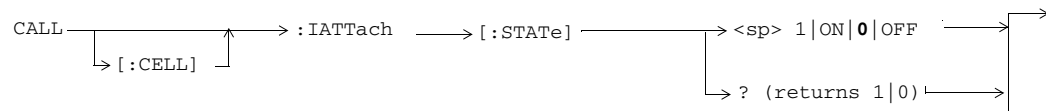


**CALL:HANDover | HANDoff**



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

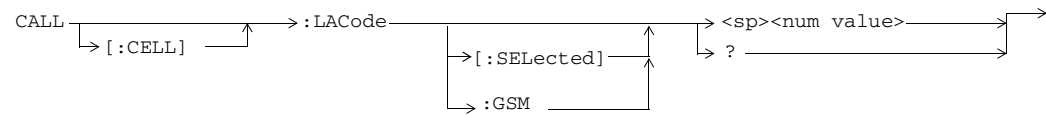
**CALL:IATTach**



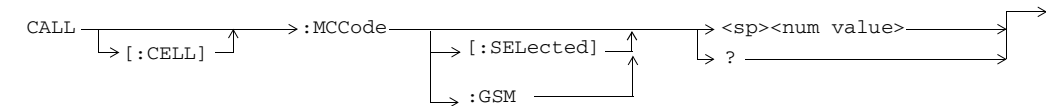
**CALL:IMEI**



**CALL:LACode**

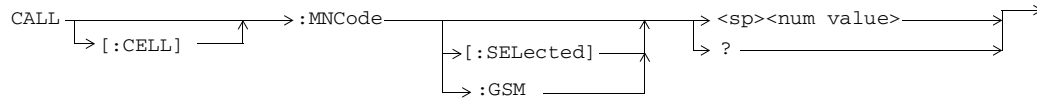


**CALL:MCCode**

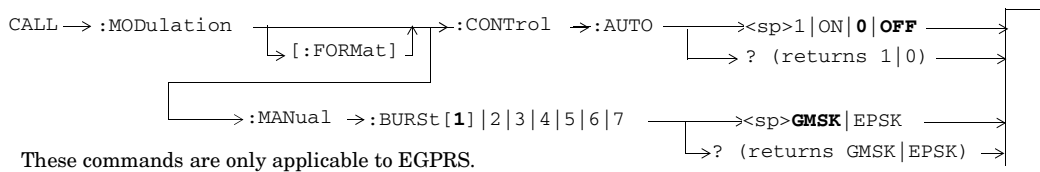




**CALL:MNCode**



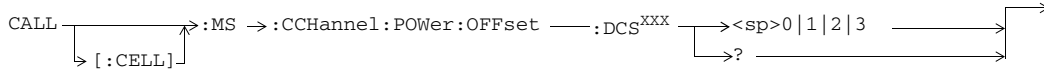
**CALL:MODulation**



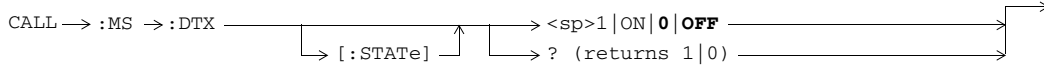
These commands are only applicable to EGPRS.

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

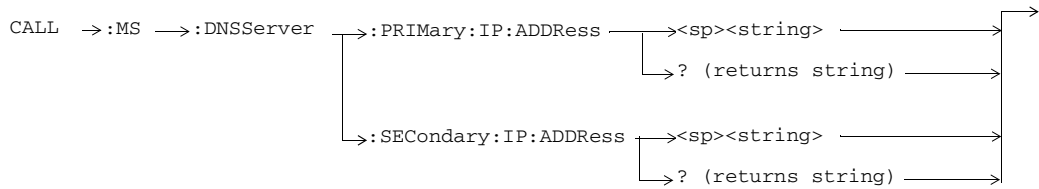
**CALL:MS**



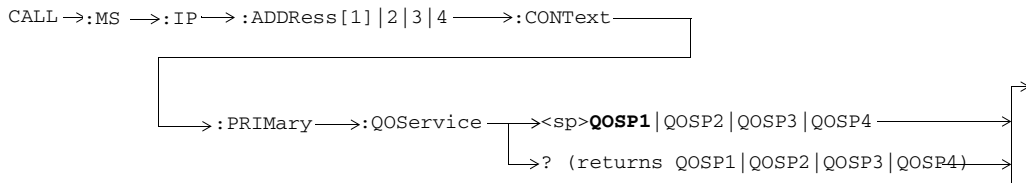
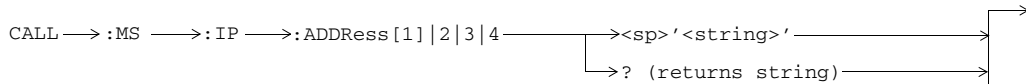
XXX This command is obsolete.



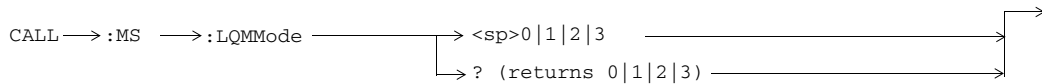
This command is only applicable to GSM.



These commands are only applicable to the lab applications.



These commands are applicable only to the lab applications.



This command is applicable only to the EGPRS lab application.

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

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

This command is not applicable to GSM.

CALL → :MS → :.REPorted → :BEP → :GMSK | EPSK  
 → :CVARiance : < [ AVERAge ] | MAXimum | MINimum ><sup>XXX</sup> → ? (returns num value)  
 → :MEAN : < [ AVERAge ] | MAXimum | MINimum ><sup>XXX</sup> → ? (returns num value)  
 → :TSLOTn : < [ AVERAge ] | MAXimum | MINimum ><sup>XXX</sup> → ? (returns num value)

These commands are only applicable to EGPRS.

<sup>XXX</sup>These commands are obsolete.

CALL → :MS → :.REPorted → :CLEAr

This command is not applicable to the GPRS and EGPRS test application.

CALL → :MS → :.REPorted → :CVALue → :AVERAge<sup>XXX</sup> → ? (returns num value)  
 → :ILEVel → :TSLot <n> → :AVERAge<sup>XXX</sup> → ? (returns num value)

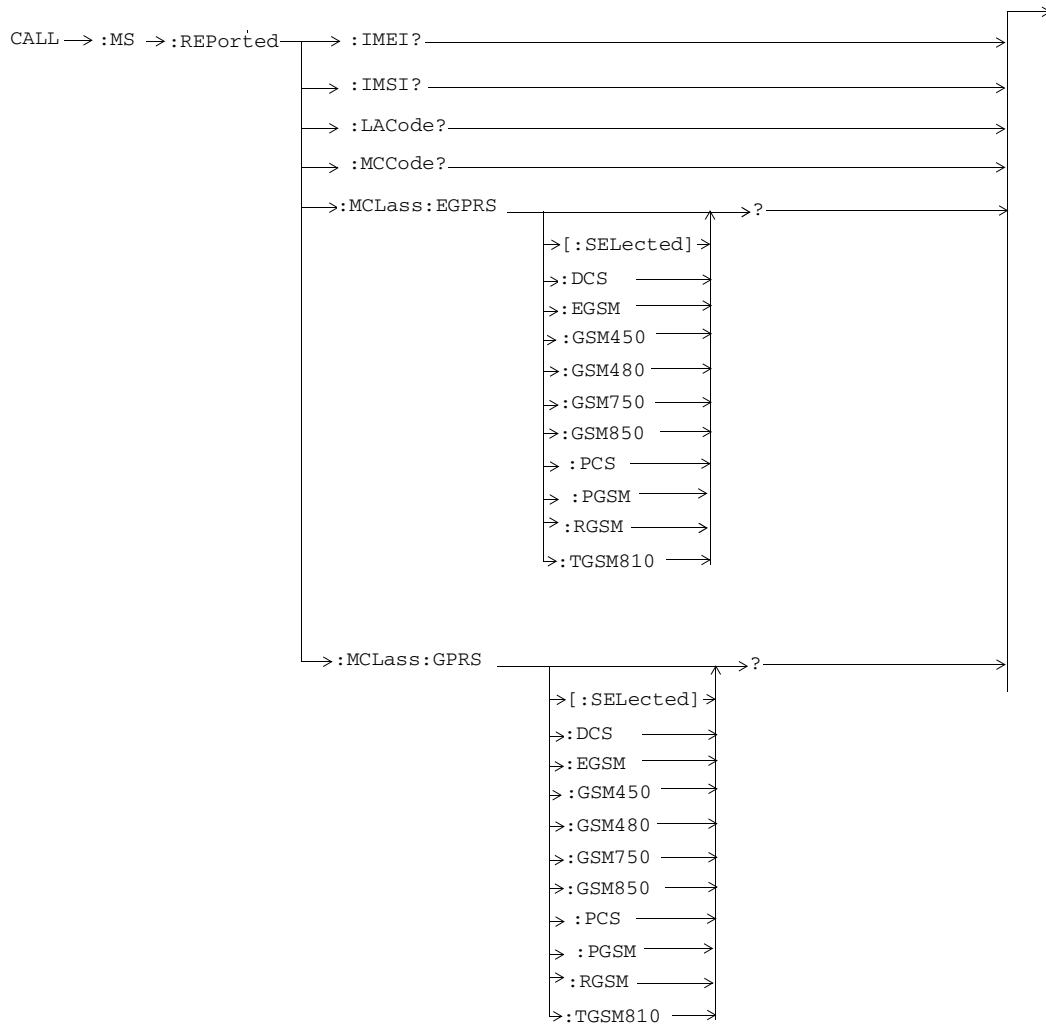
This commands apply only to the lab applications.

<sup>XXX</sup>These commands are obsolete.

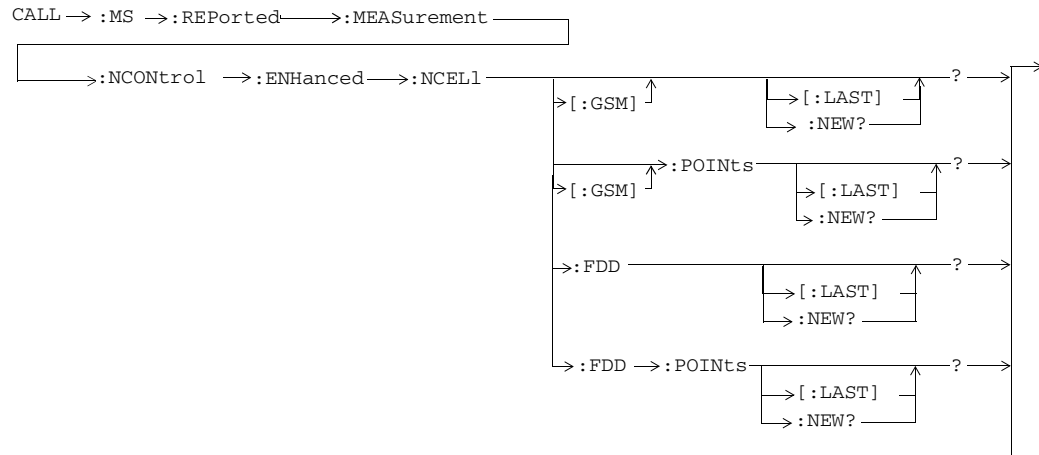
CALL → :MS → :.REPorted → :DTMClass → :EGPRS → ? (returns num value, num value)  
 → :GPRS → ? (returns num value, num value)

These commands apply only to the lab applications.

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

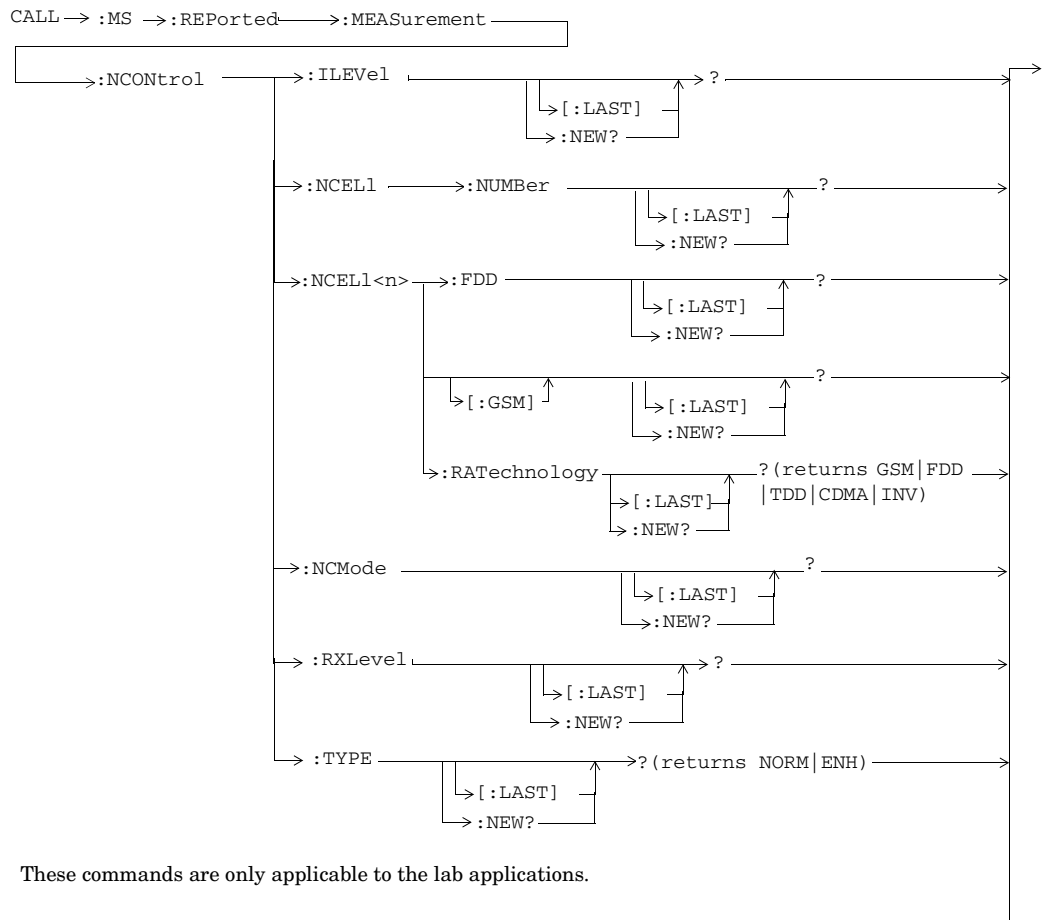


**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



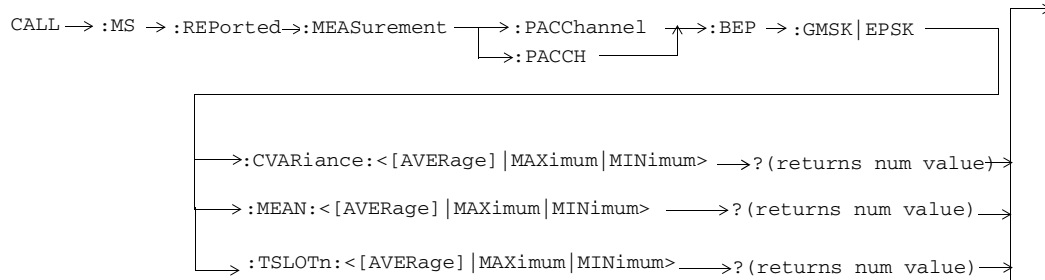
These commands are only applicable to the lab applications.

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

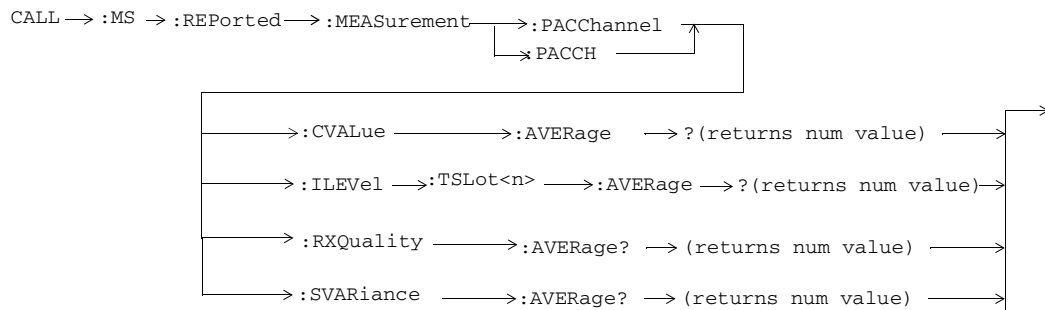


These commands are only applicable to the lab applications.

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

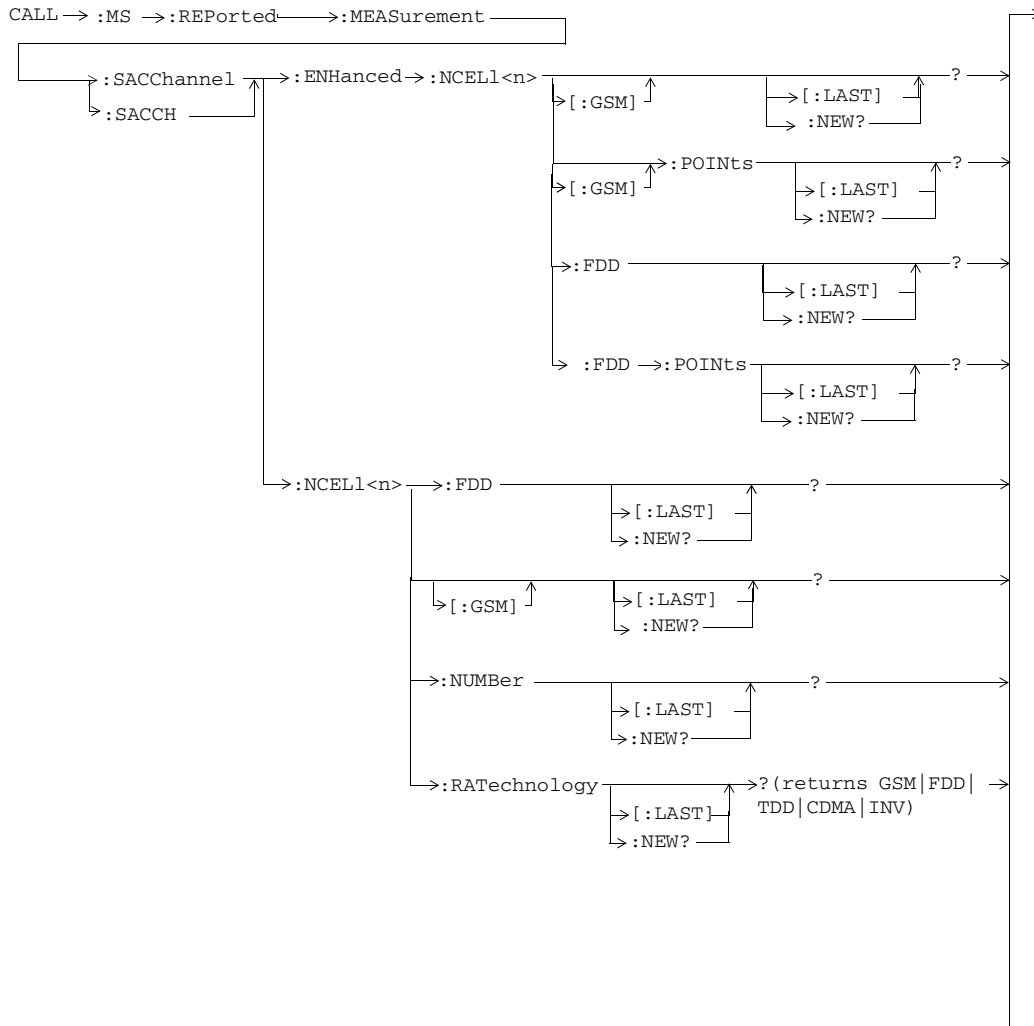


This command are only applicable to the EGPRS lab applications.



These commands are only applicable to the lab applications.

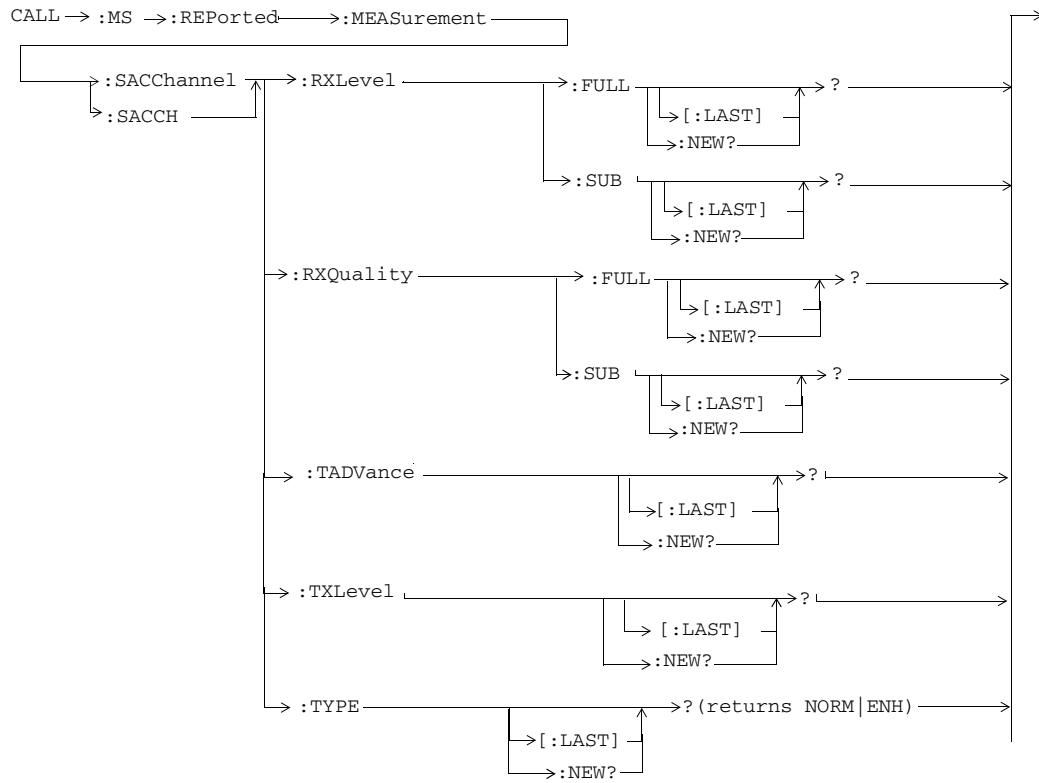
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



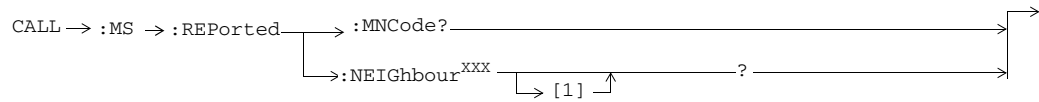
These commands are only applicable to the lab applications.



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

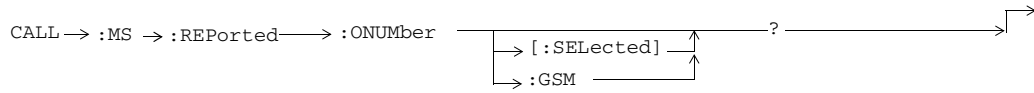


These commands are only applicable to the lab applications.

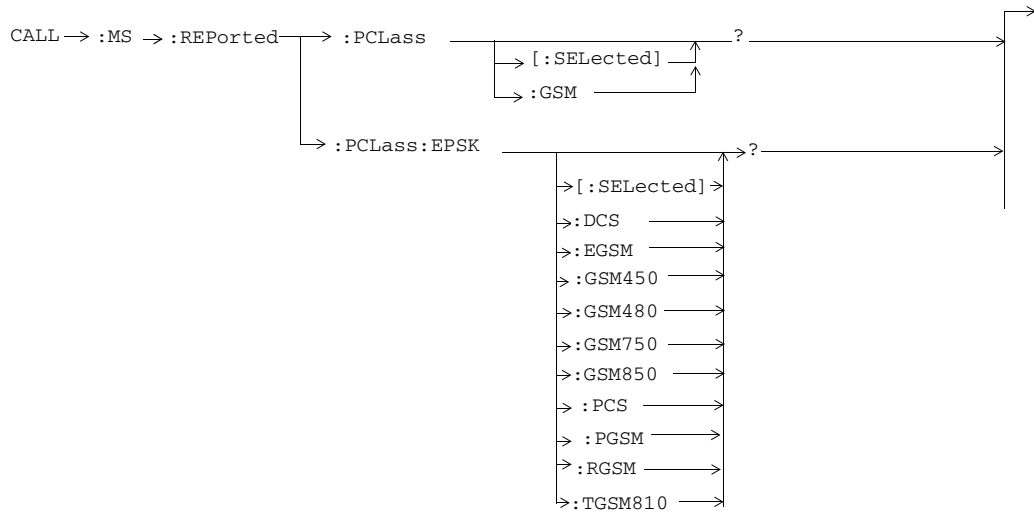


<sup>xxx</sup> This command is obsolete.

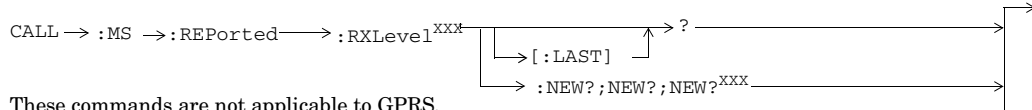
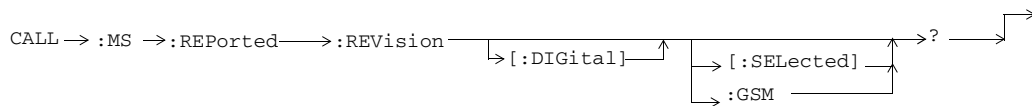
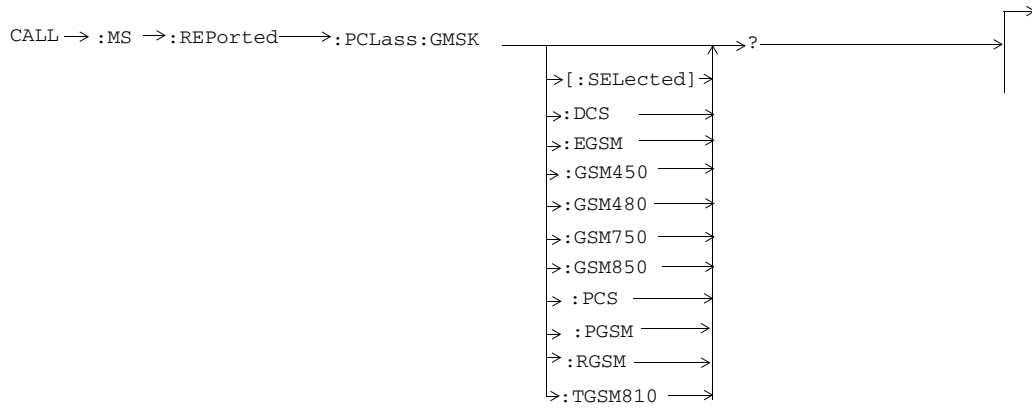
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



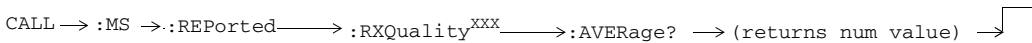
These commands are not applicable to GPRS.



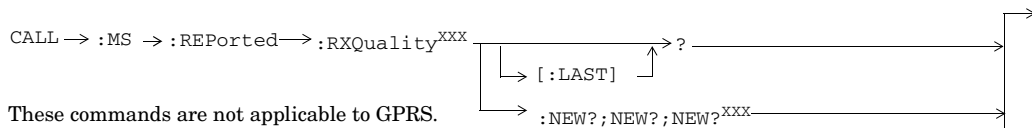
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



These commands are not applicable to GPRS.  
<sup>XXX</sup>This command is obsolete.

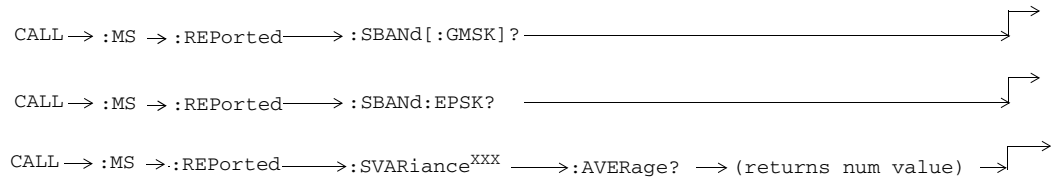


This command applies only to the GSM/GPRS and EGPRS lab applications.  
<sup>XXX</sup>This command is obsolete.



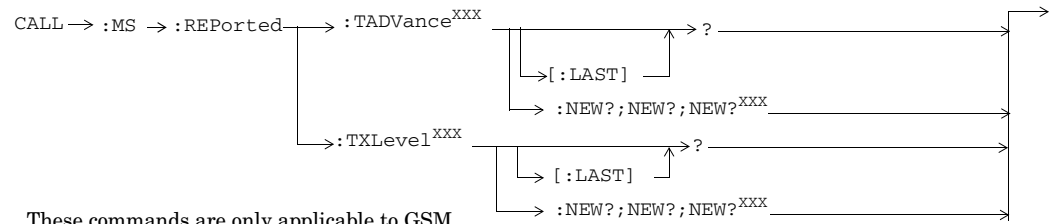
These commands are not applicable to GPRS.  
<sup>XXX</sup>This command is obsolete.

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



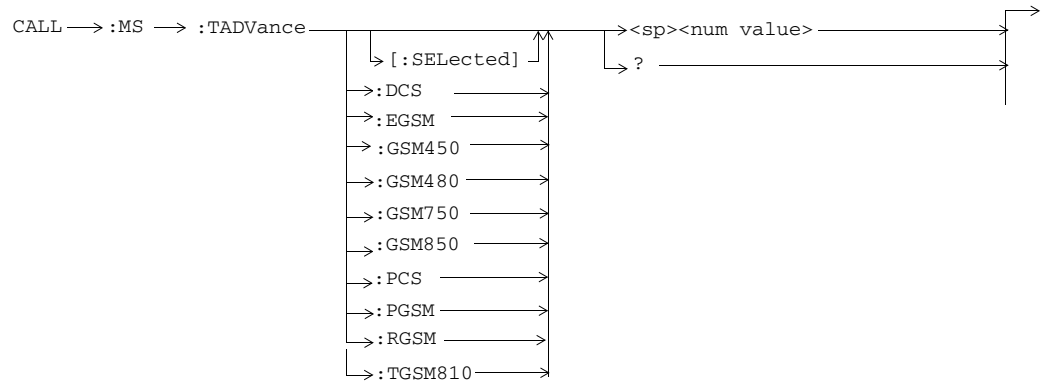
These commands apply only to the GSM/GPRS and EGPRS lab applications.

<sup>XXX</sup>This command is obsolete.



These commands are only applicable to GSM.

<sup>XXX</sup>This command is obsolete.



These commands are not applicable to GPRS.

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

CALL → :MS → :TX → :BURSt → :GPLength → <sp> **GPL9** | GPL10 →

These commands are not applicable to GSM.

→ ? (returns GPL9 | GPL10) →

CALL → :MS → :TX → :FRAMe → :SEGmentation → <sp> **ASYMetric** | SYMMetric →

→ ? (returns ASYM | SYMM) →

CALL → :MS → :TXLevel → <sp> <num value> →

→ [ :SElected ] →

→ :DCS →

→ :EGSM →

→ :GSM450 →

→ :GSM480 →

→ :GSM750 →

→ :GSM850 →

→ :PCS →

→ :PGSM →

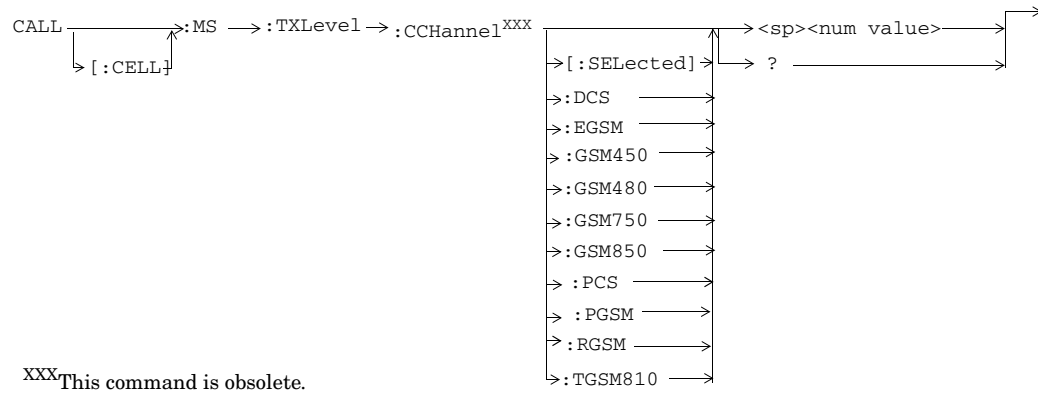
→ :RGSM →

→ :TGSM810 →

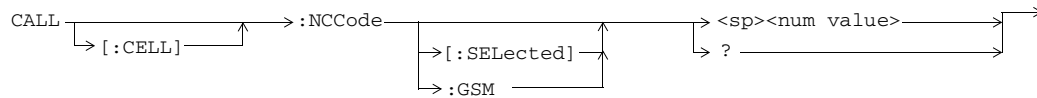
→ ? →

These commands are not applicable to GPRS.

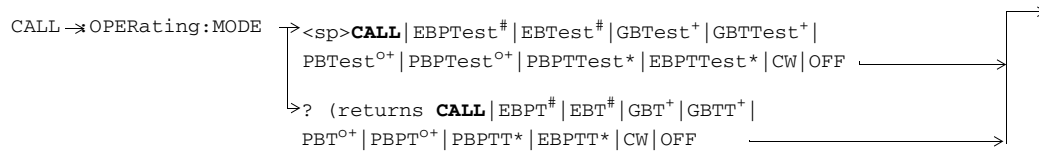
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



**CALL:NCCode**



**CALL:OPERating**



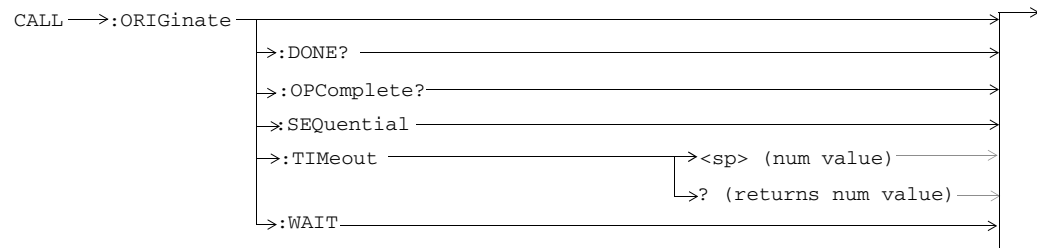
# Only applicable to EGPRS

o Not applicable to GSM TA

+ Not applicable to EGPRS TA

\* Only applicable to the Lab Applications.

**CALL:ORIGinate**



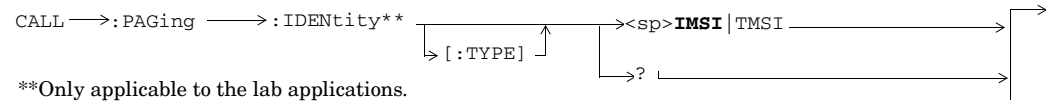
These commands are not applicable to the GPRS TA.

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

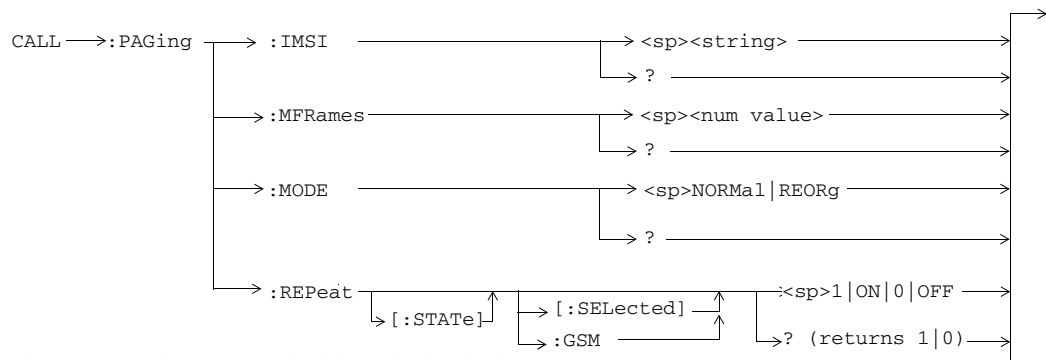
**CALL:PACCH|PACChannel**



**CALL:PAGing**



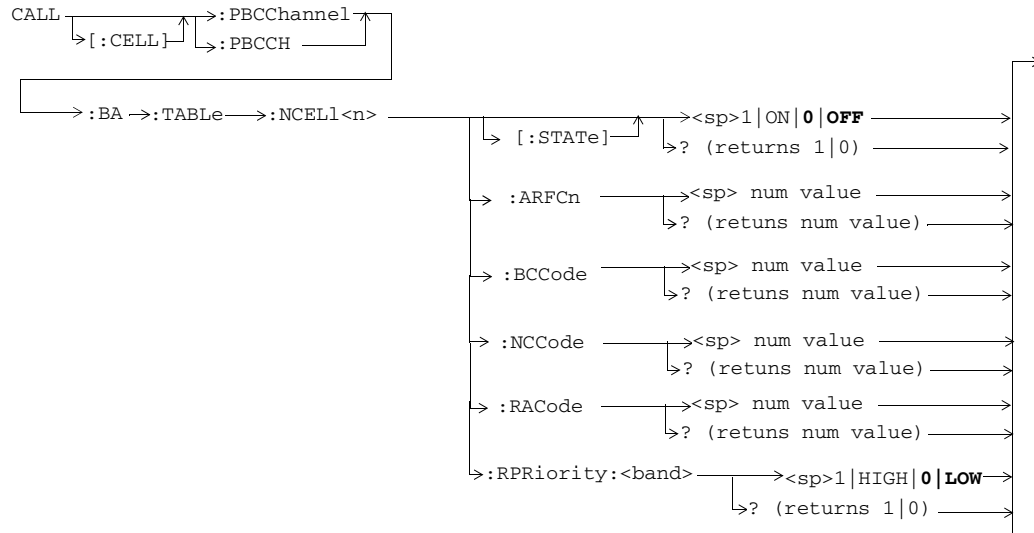
\*\*Only applicable to the lab applications.



These commands are not applicable to the GPRS TA.

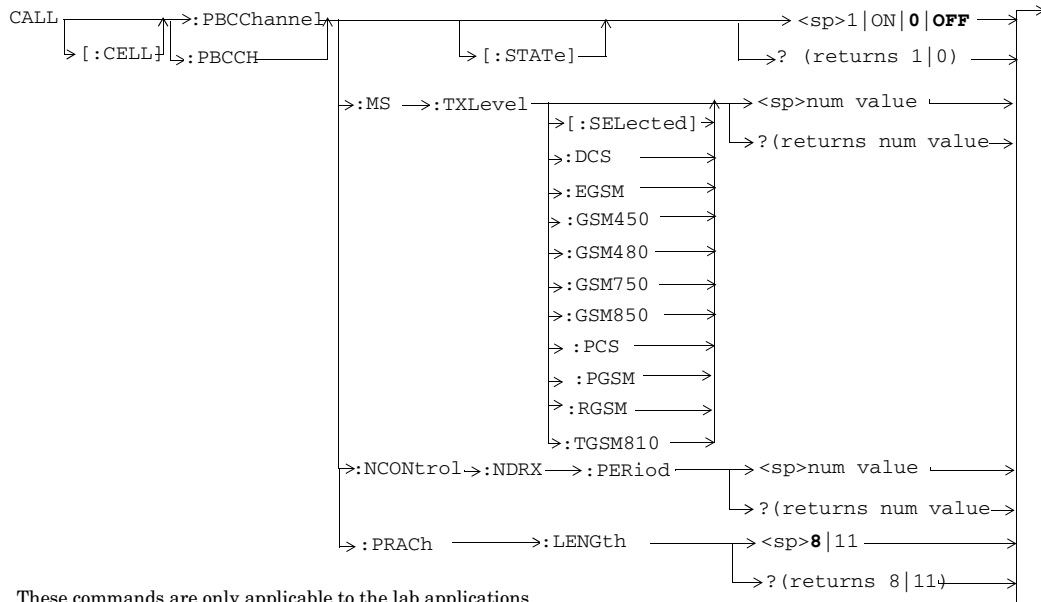


**CALL:PBCCH|PBCChannel**



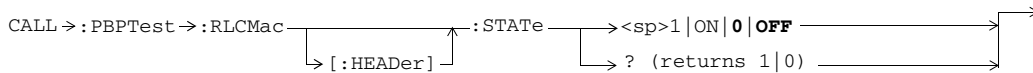
These commands are only applicable to the lab applications.

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



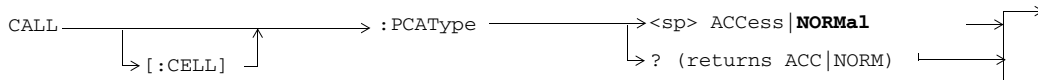
These commands are only applicable to the lab applications.

**CALL:PBPTest**

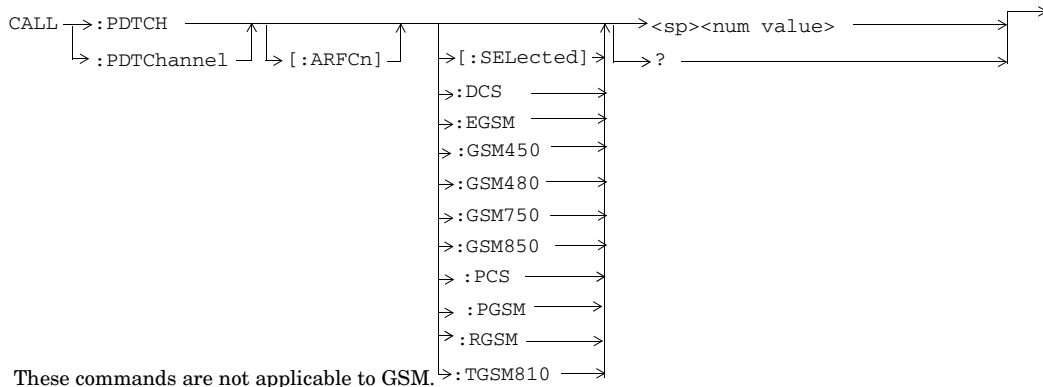


This command is not applicable to GSM.

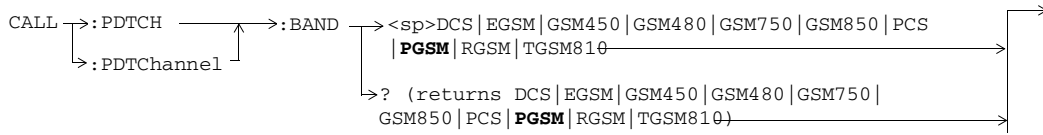
**CALL[:CELL]:PCAType**



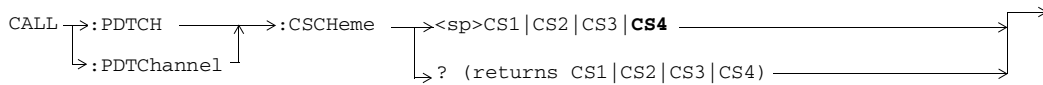
**CALL:PDTCH|PDTChannel**



These commands are not applicable to GSM.

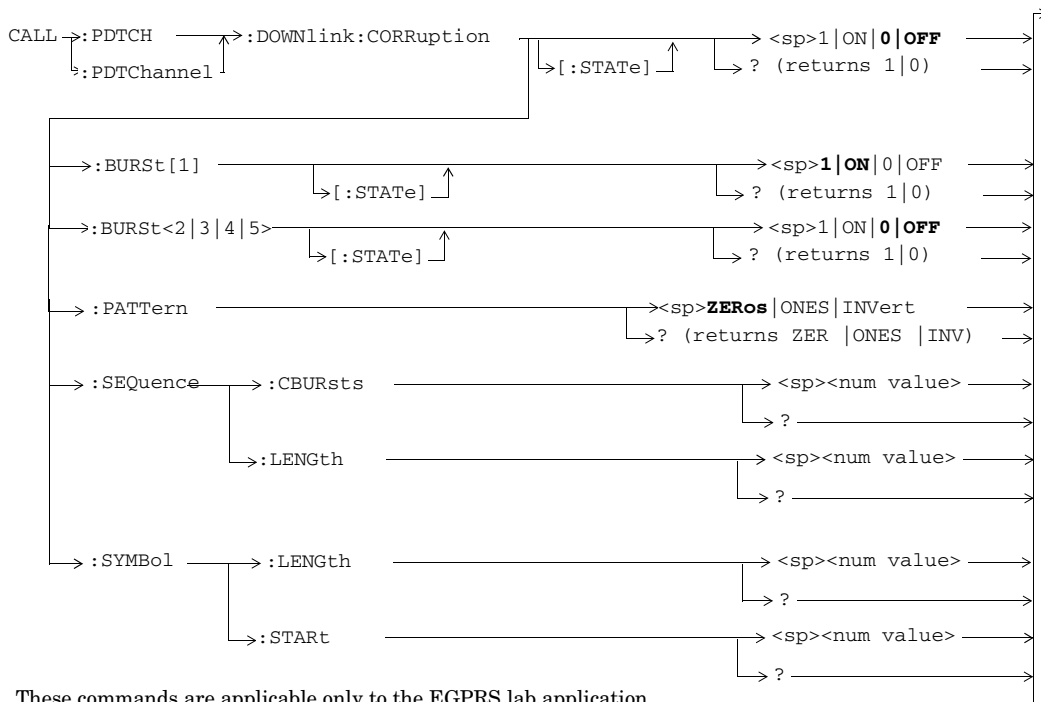
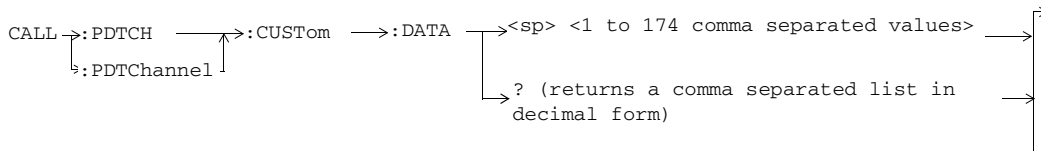


This command is not applicable to GSM.



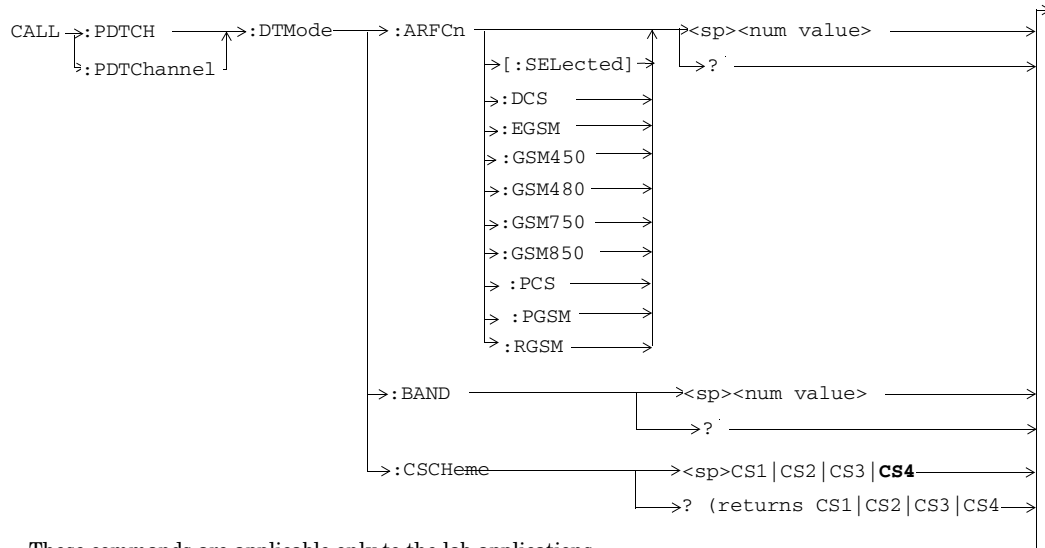
This command is not applicable to GSM or EGPRS.

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



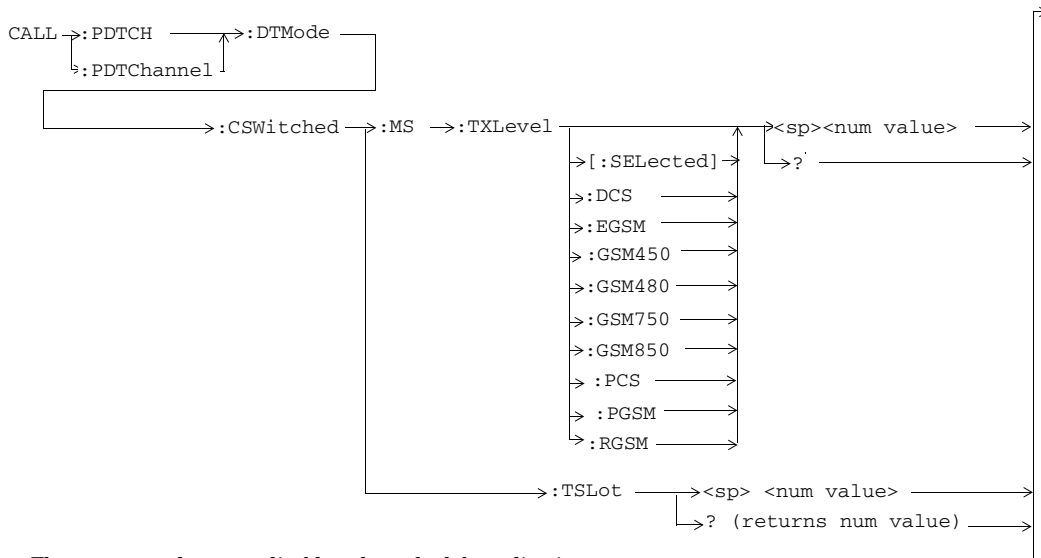
These commands are applicable only to the EGPRS lab application.

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

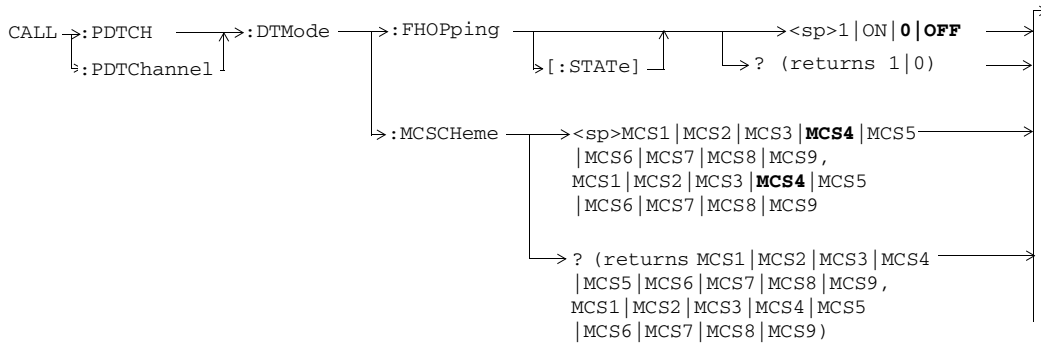


These commands are applicable only to the lab applications.

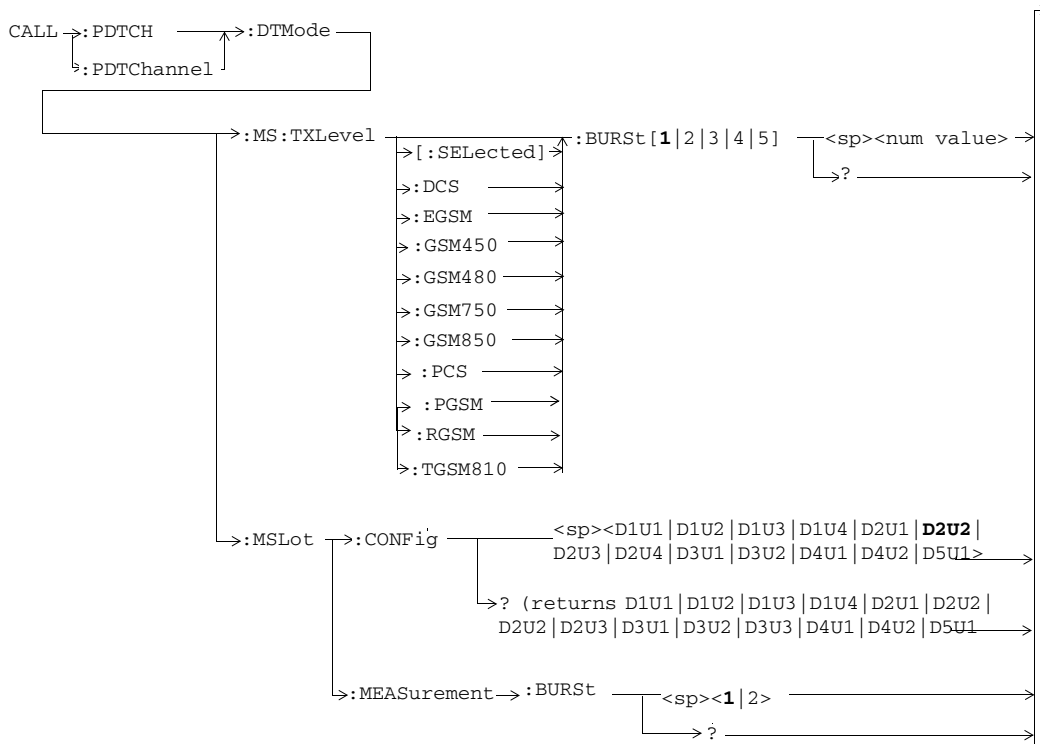
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



These commands are applicable only to the lab applications.

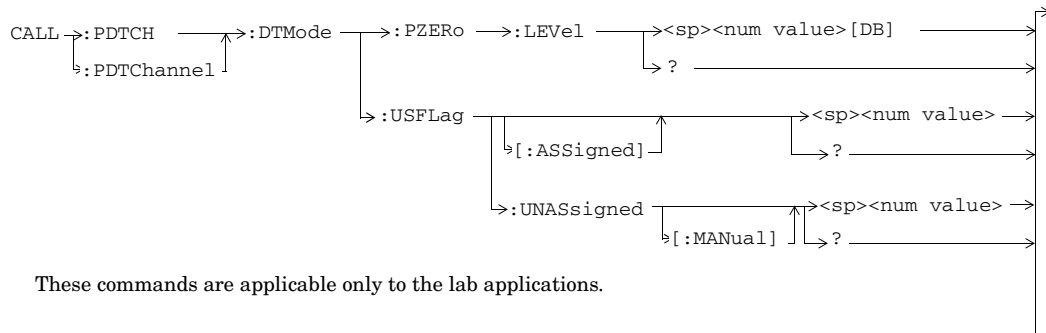


These commands are applicable only to the lab applications.

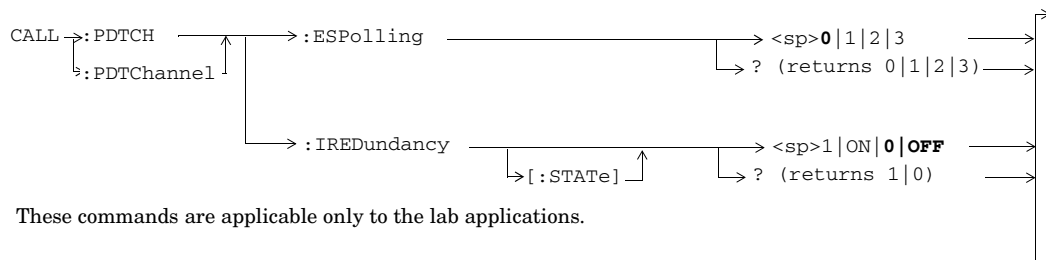


These commands are applicable only to the lab applications.

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



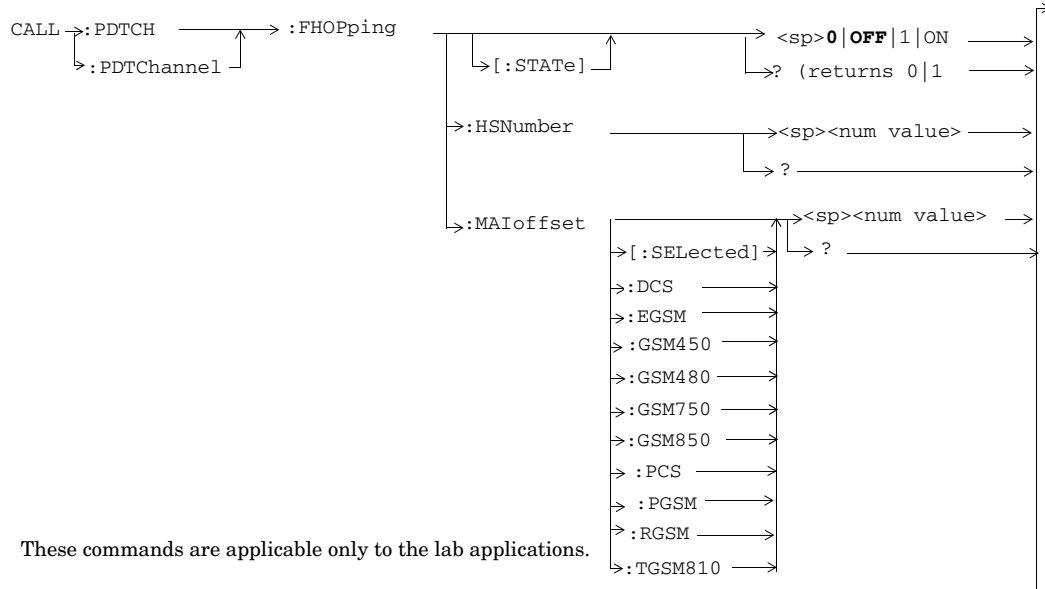
These commands are applicable only to the lab applications.



These commands are applicable only to the lab applications.

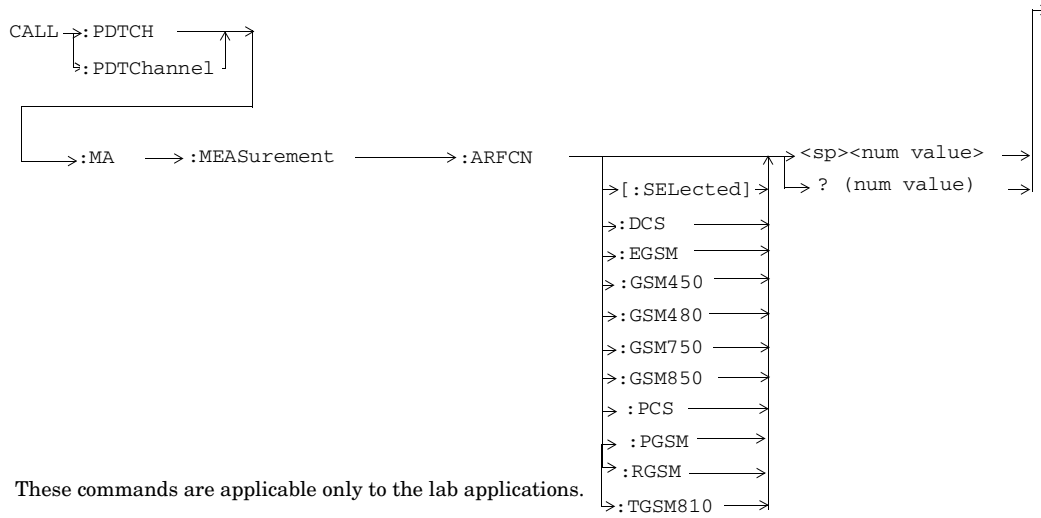


**GPIO Syntax for E1968A, E6701D/E/T, E6704A**

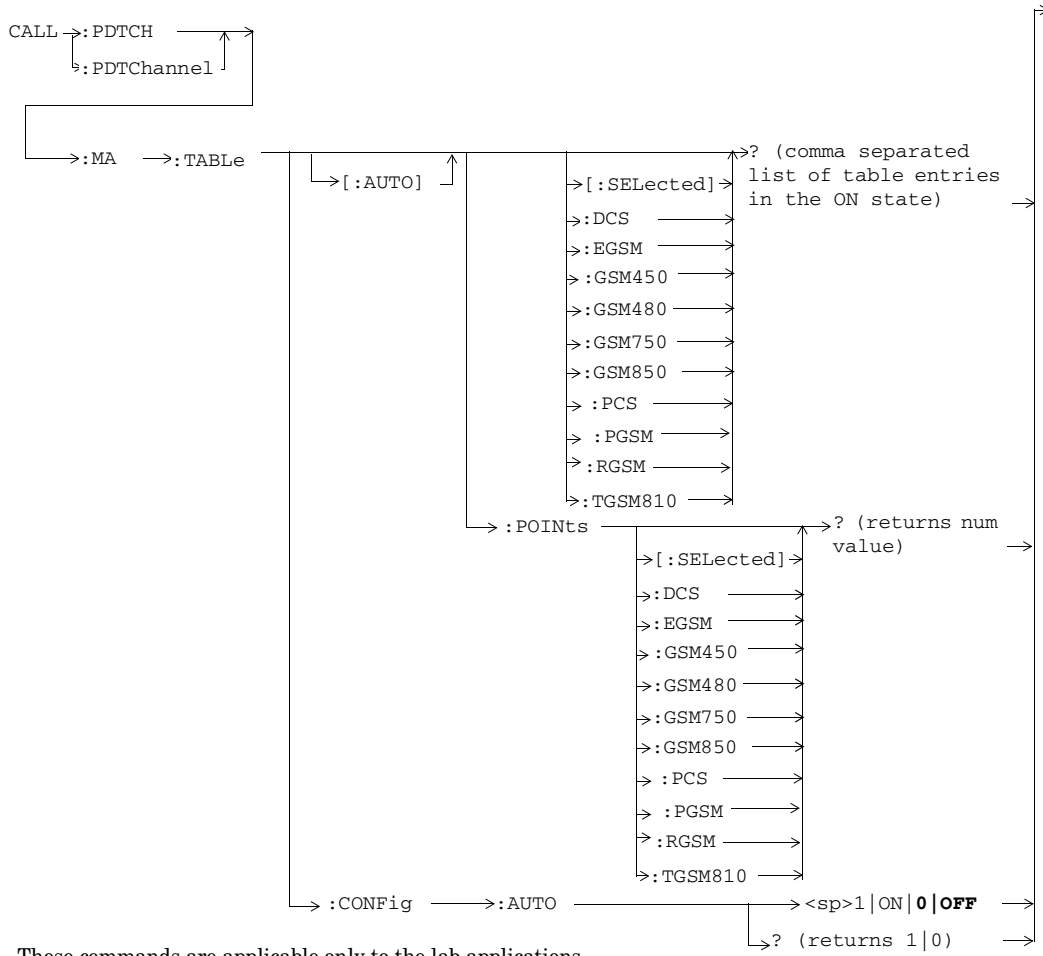


These commands are applicable only to the lab applications.

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

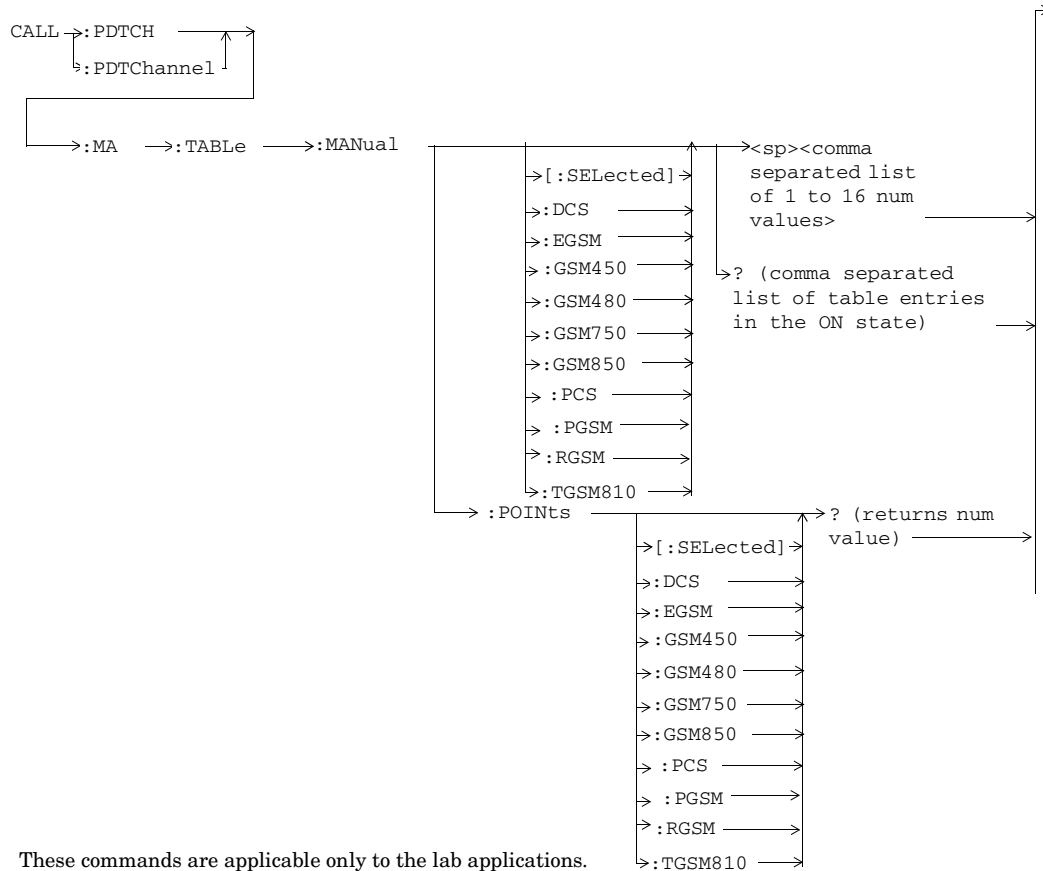


**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



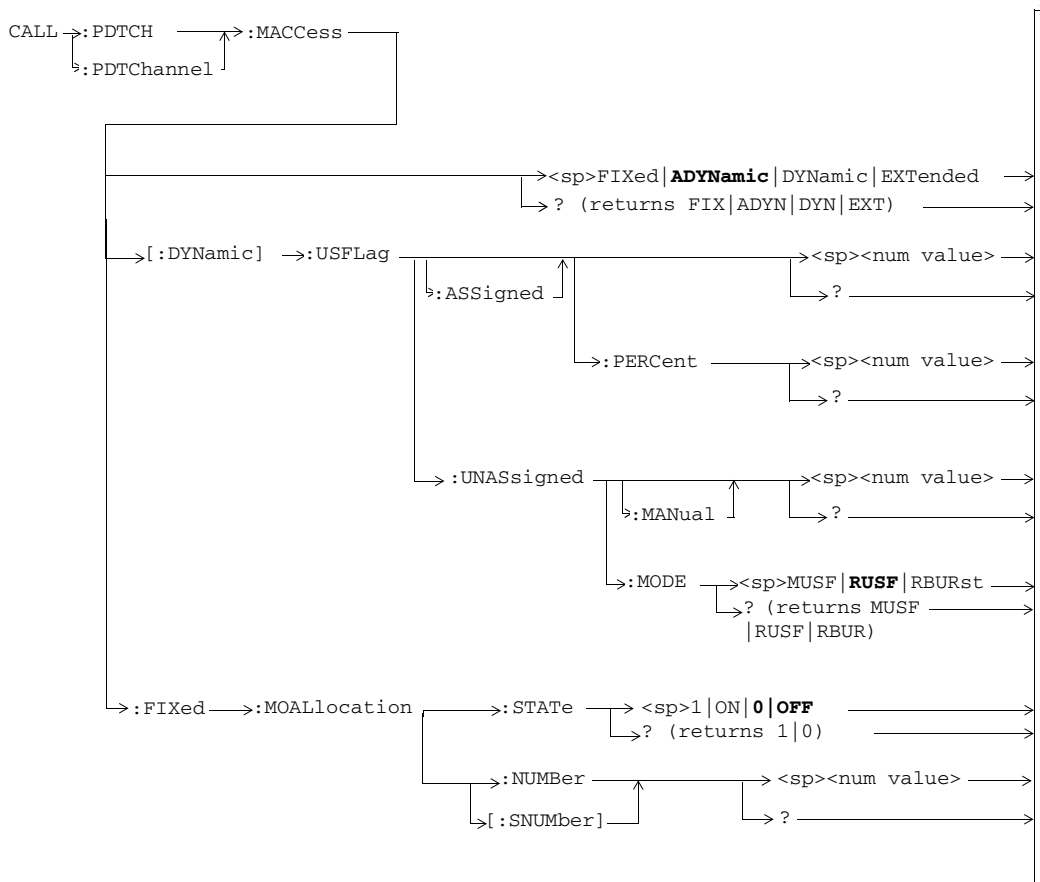
These commands are applicable only to the lab applications.

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



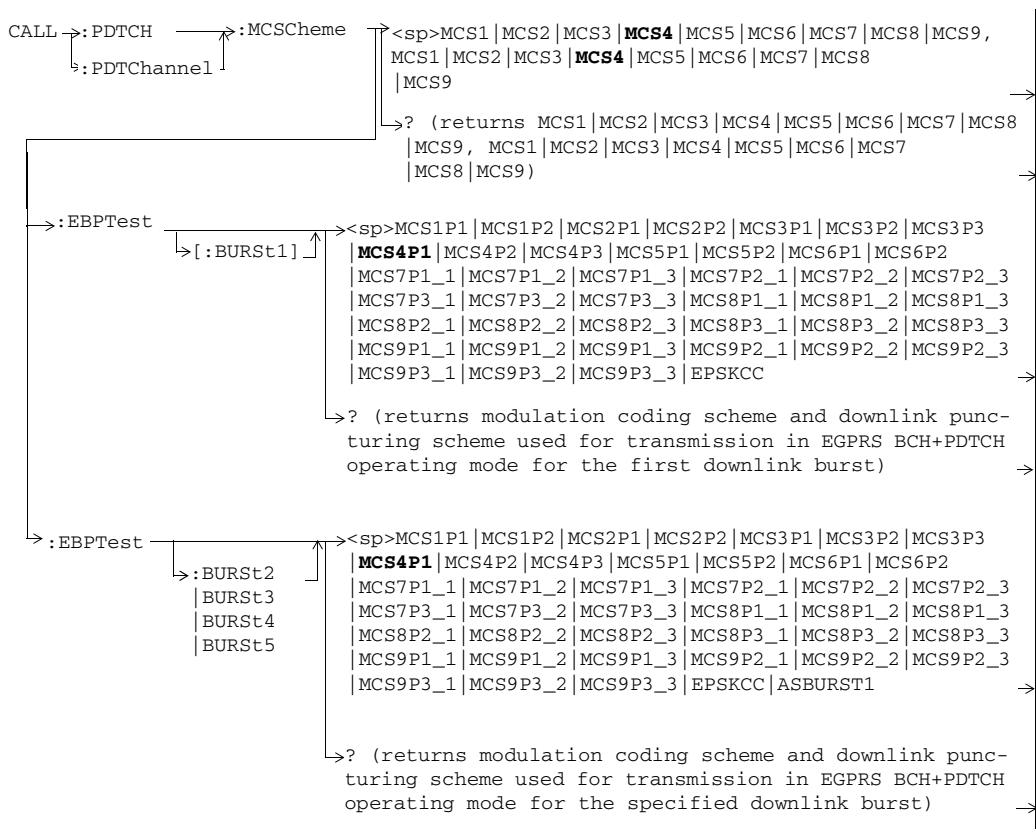
These commands are applicable only to the lab applications.

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



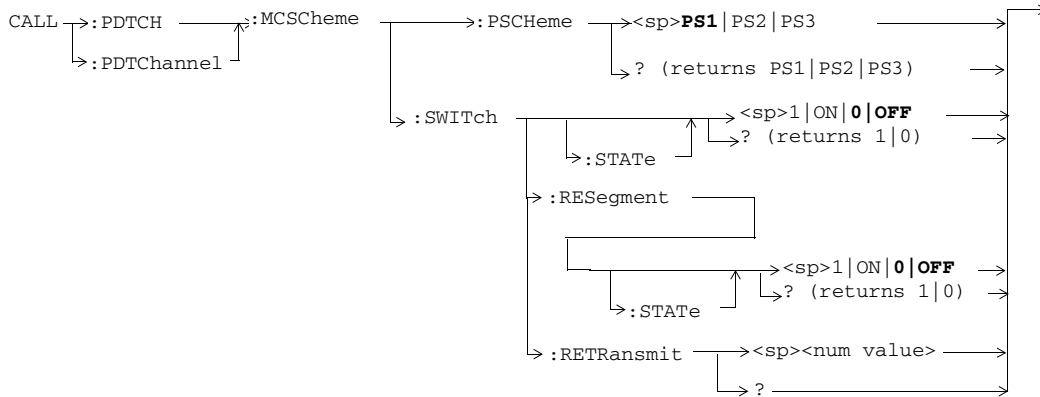
These commands are applicable only to the lab applications.

**GPB Syntax for E1968A, E6701D/E/T, E6704A**

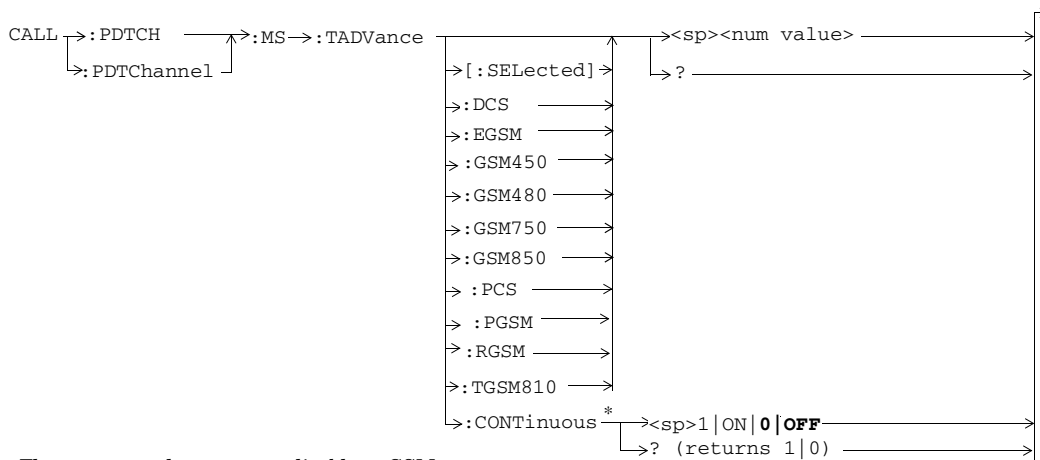


These commands are only applicable to EGPRS.

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



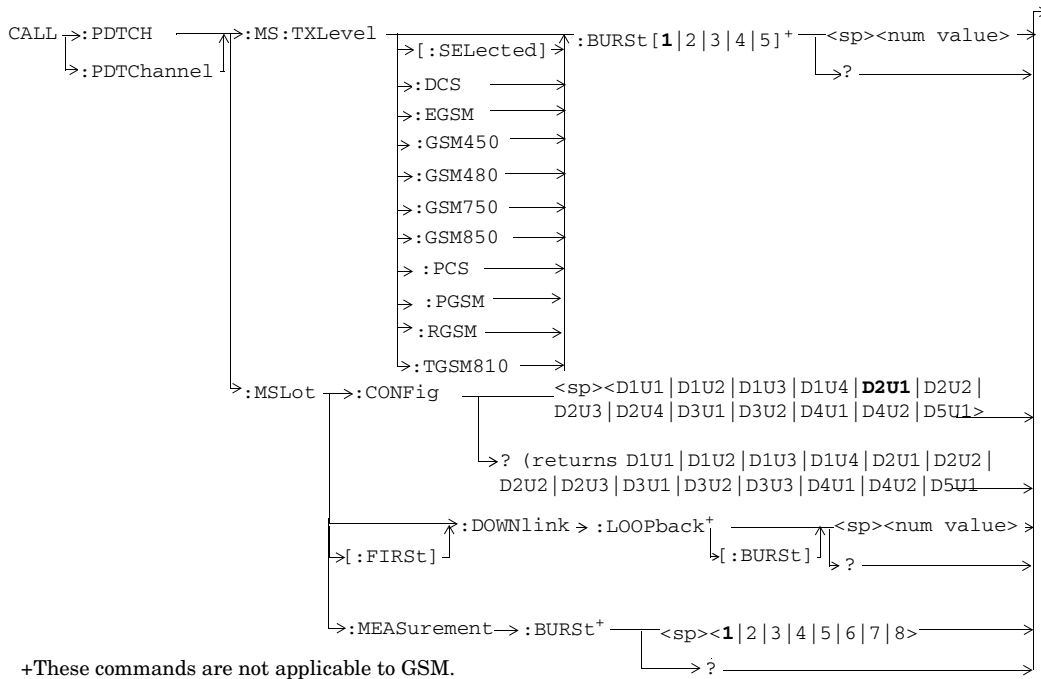
These commands are only applicable to the EGPRS lab application.



These commands are not applicable to GSM.

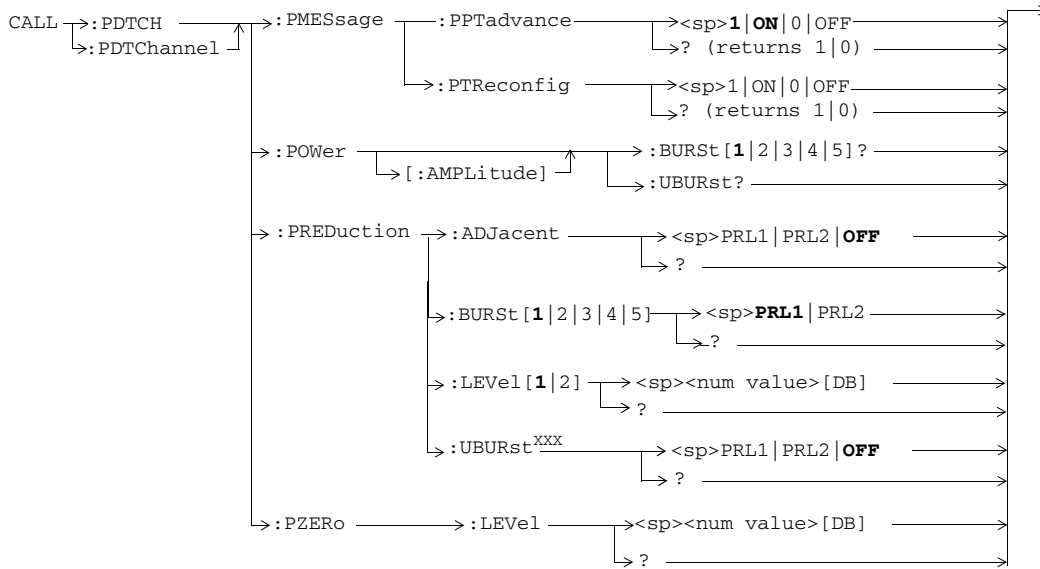
\*Only applicable to the lab applications.

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

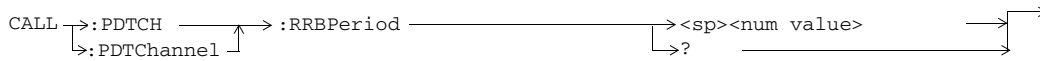




**GPIO Syntax for E1968A, E6701D/E/T, E6704A**

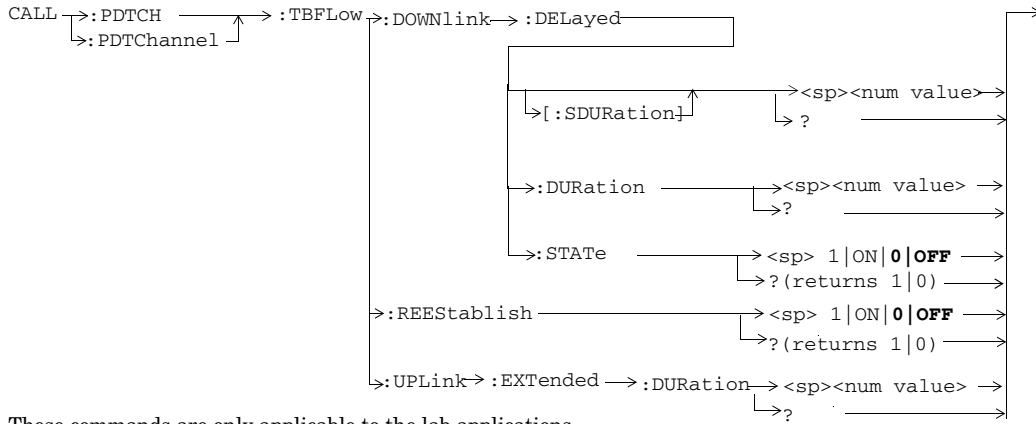


<sup>XXX</sup>This command is obsolete.  
 These commands are not applicable to GSM.

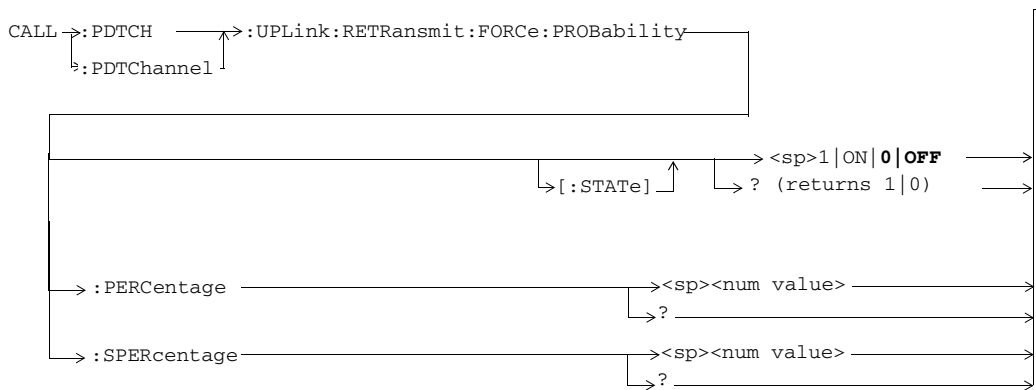


This command is only applicable to the lab applications.

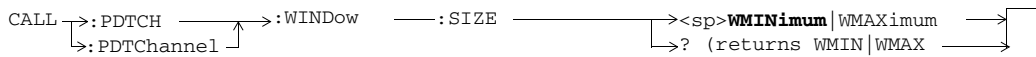
**GPiB Syntax for E1968A, E6701D/E/T, E6704A**



These commands are only applicable to the lab applications.

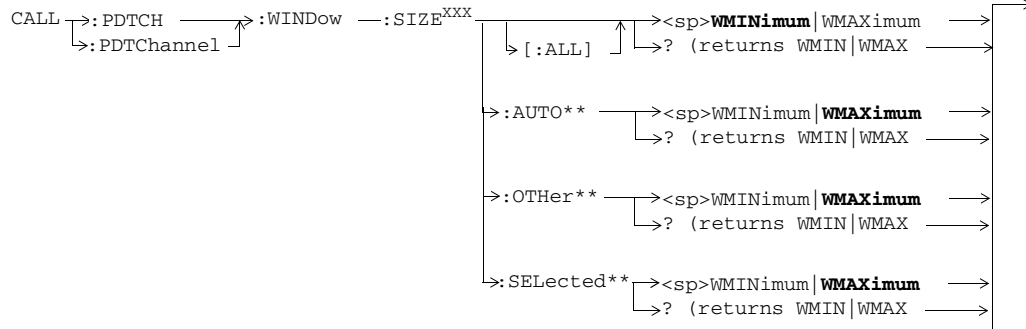


These commands are applicable only to the EGPRS lab application.



These commands are only applicable to the lab applications.

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

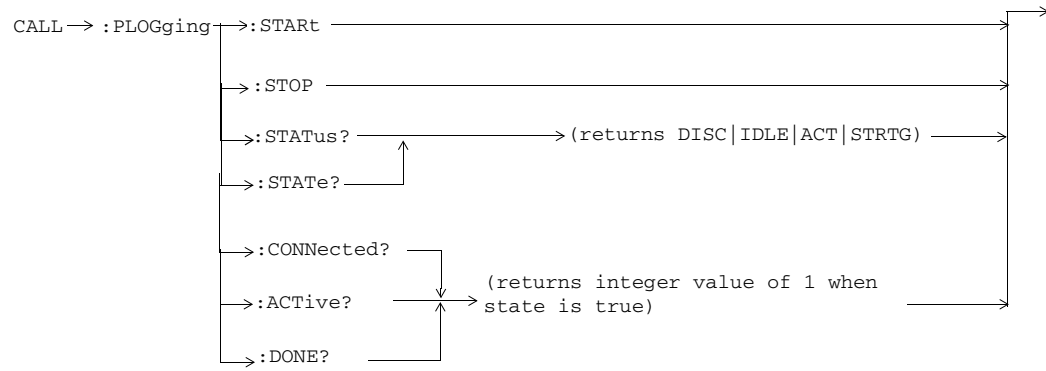


<sup>XXX</sup> This command is obsolete.

\*\* These commands are only applicable to the lab applications.

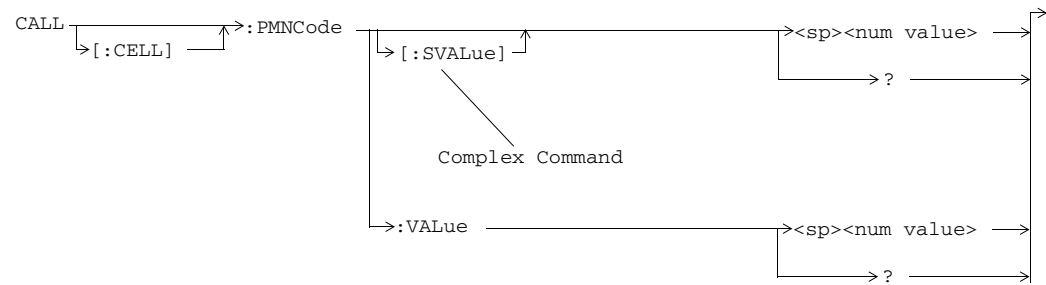
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**

**CALL:PLOGging**

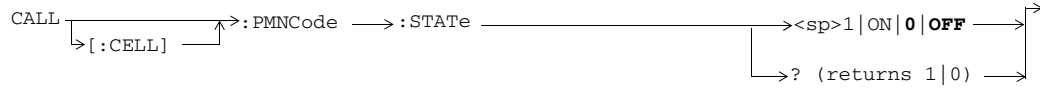


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

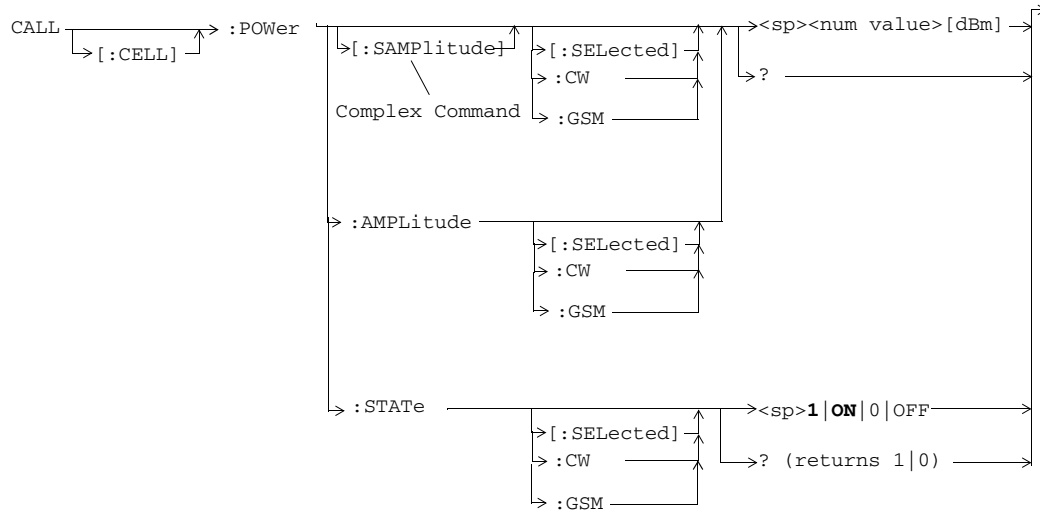
**CALL:PMNCode**



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

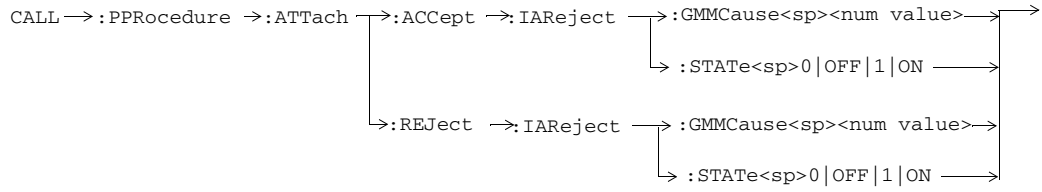


**CALL:POWer**



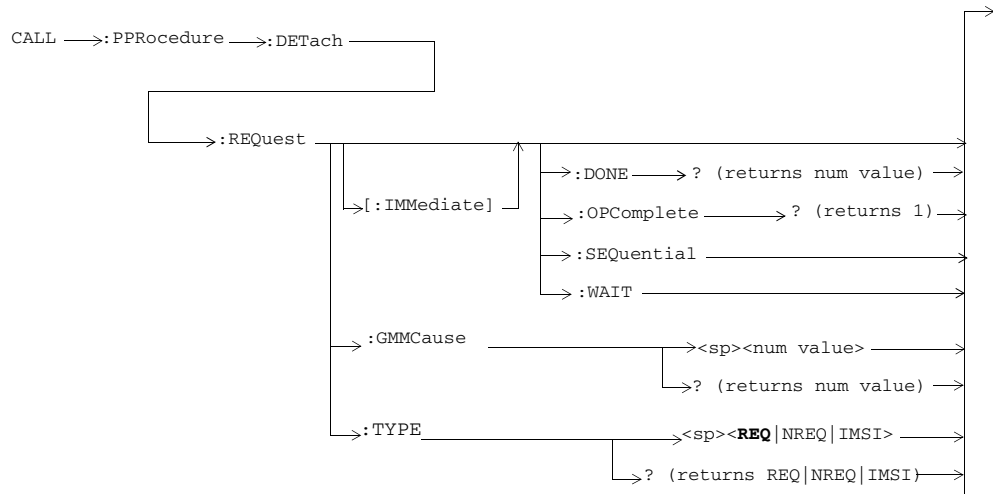
**GPiB Syntax for E1968A, E6701D/E/T, E6704A**

**CALL:PPRocedure:ATTach**

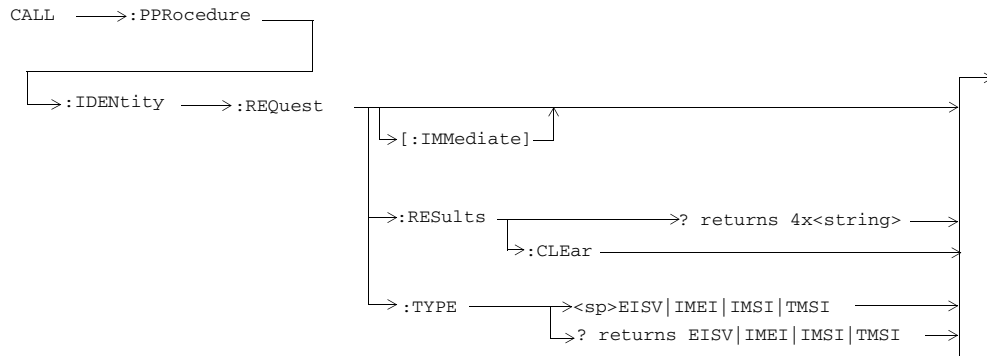


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

**CALL:PPRocedure:DETach**



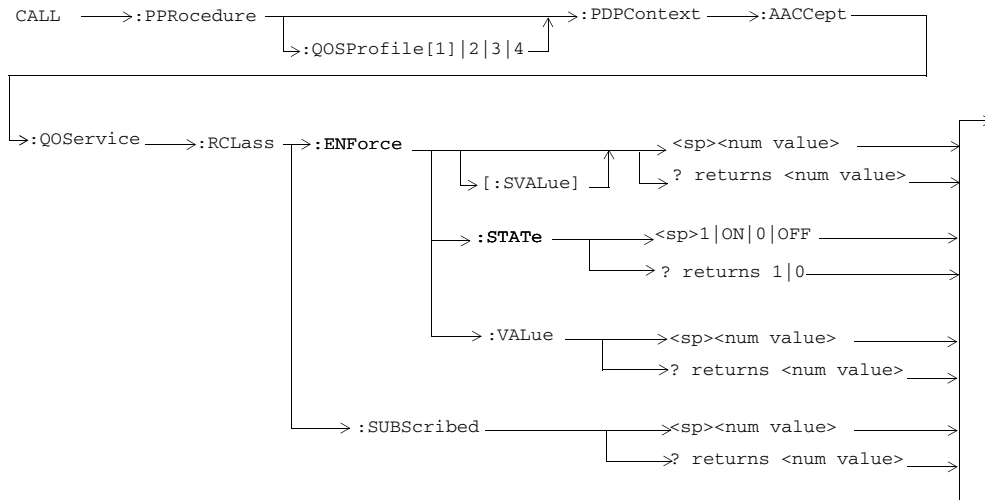
**CALL:PPROcedure:IDENtity**



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

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

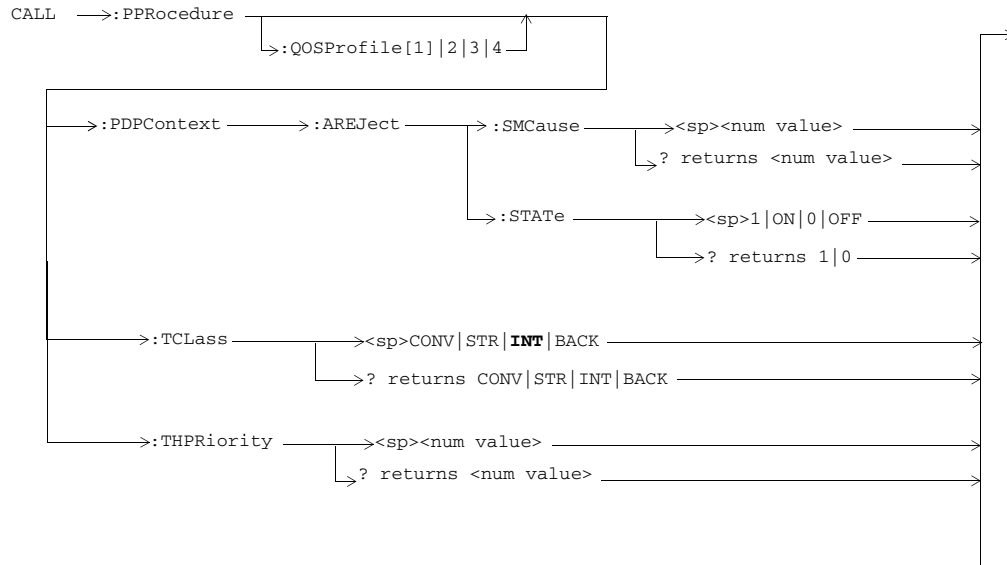
**CALL:PPRocedure:PDPContext**



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



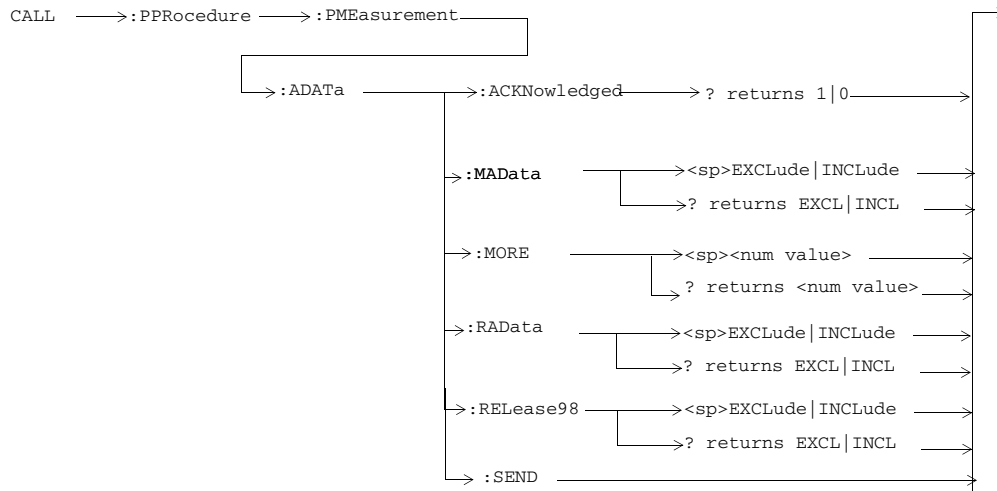
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



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

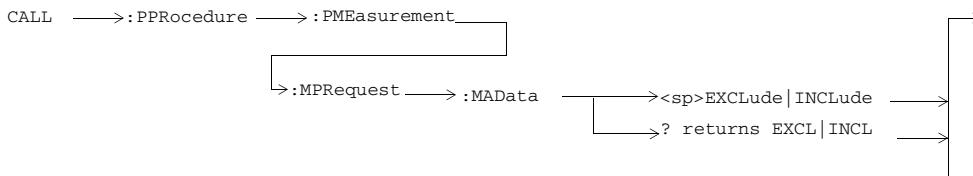
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

**CALL:PPRocedure:PMEasurement:ADATa**



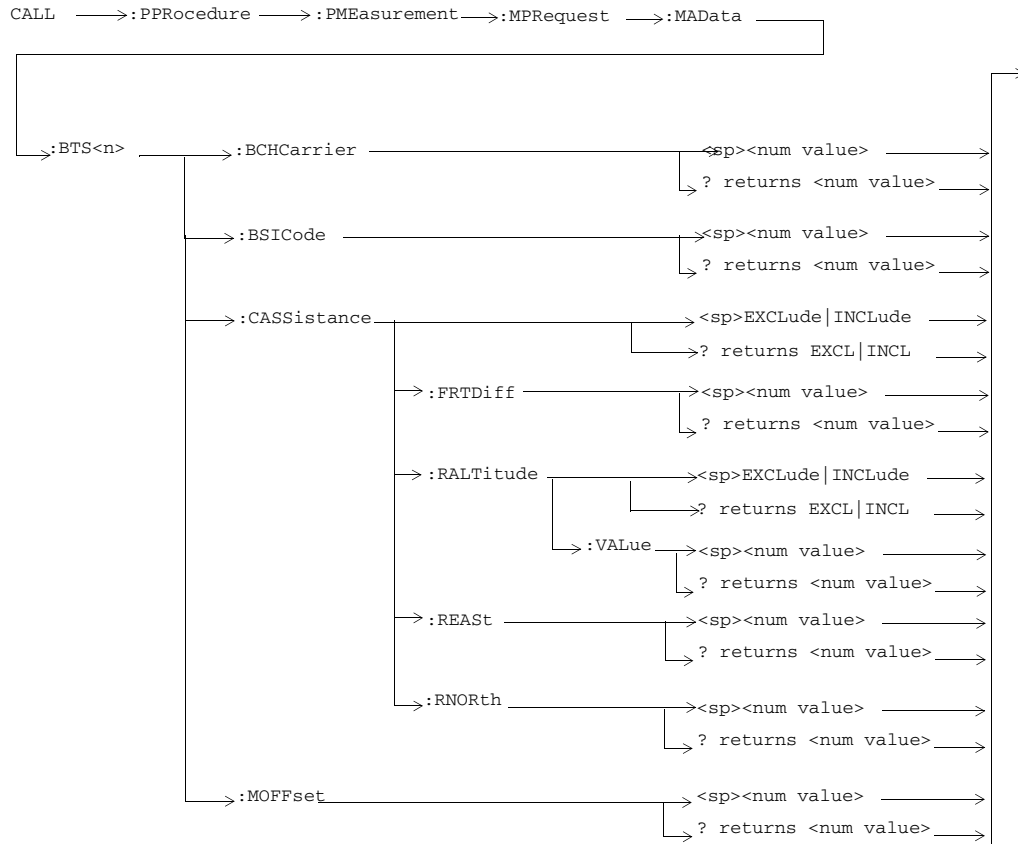
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

**CALL:PPRocedure:PMEasurement:MPRequest**



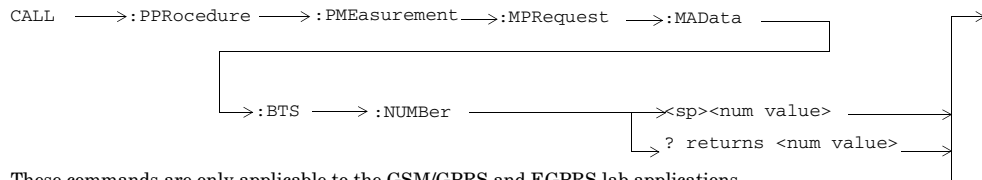
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

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

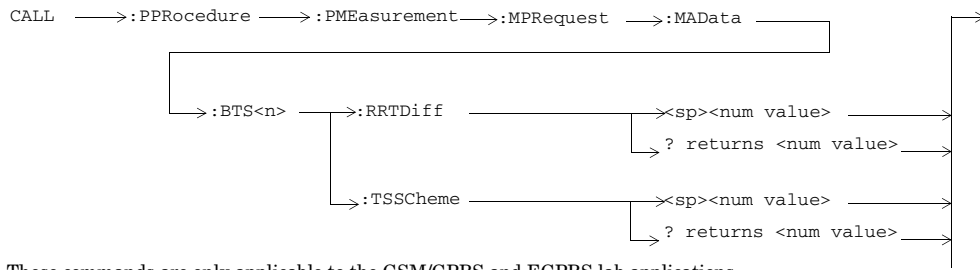


These commands are only applicable to lab applicable.

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

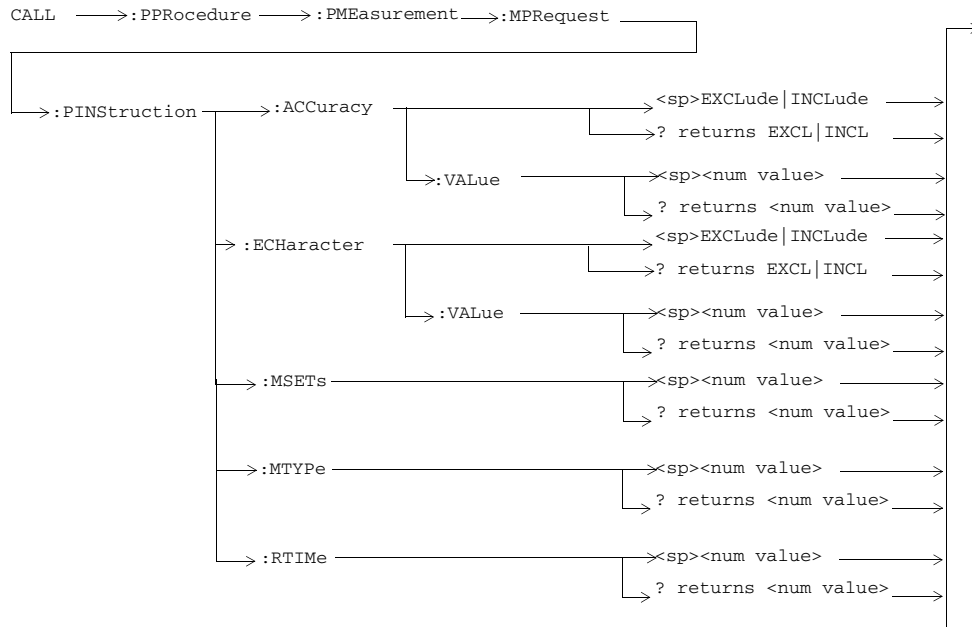


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



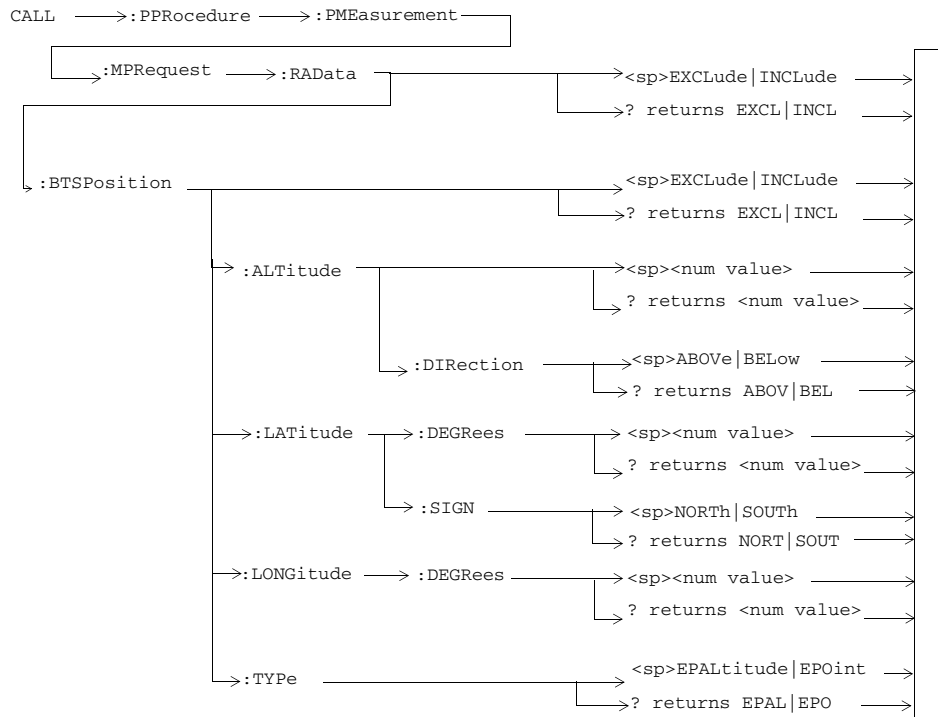
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

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



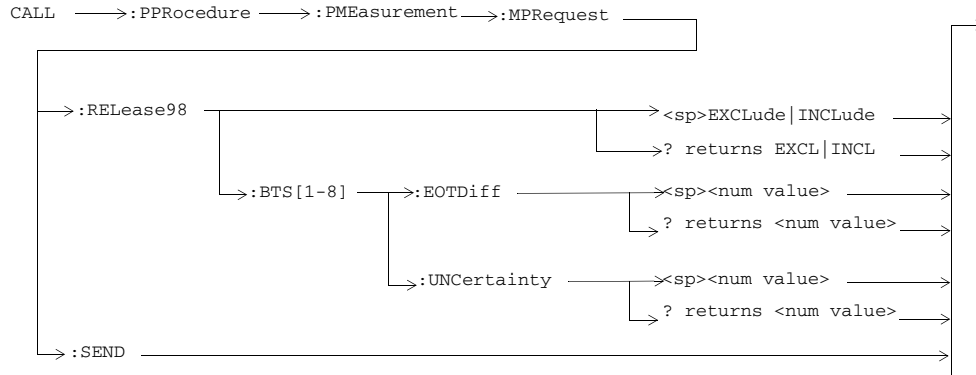
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

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



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

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

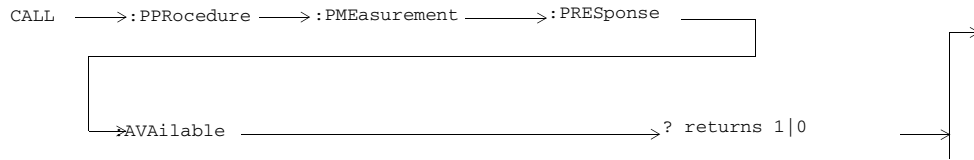


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.



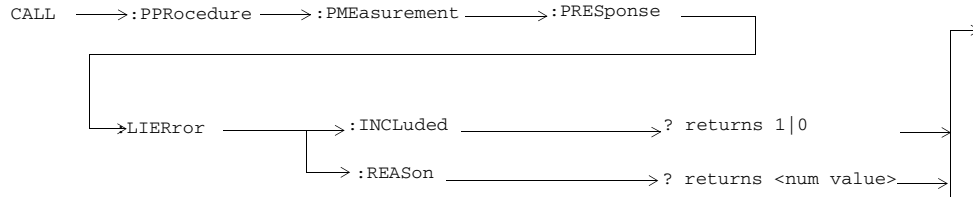


**CALL:PPROcedure:PMEasurement:PRESpense:AVailable?**



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

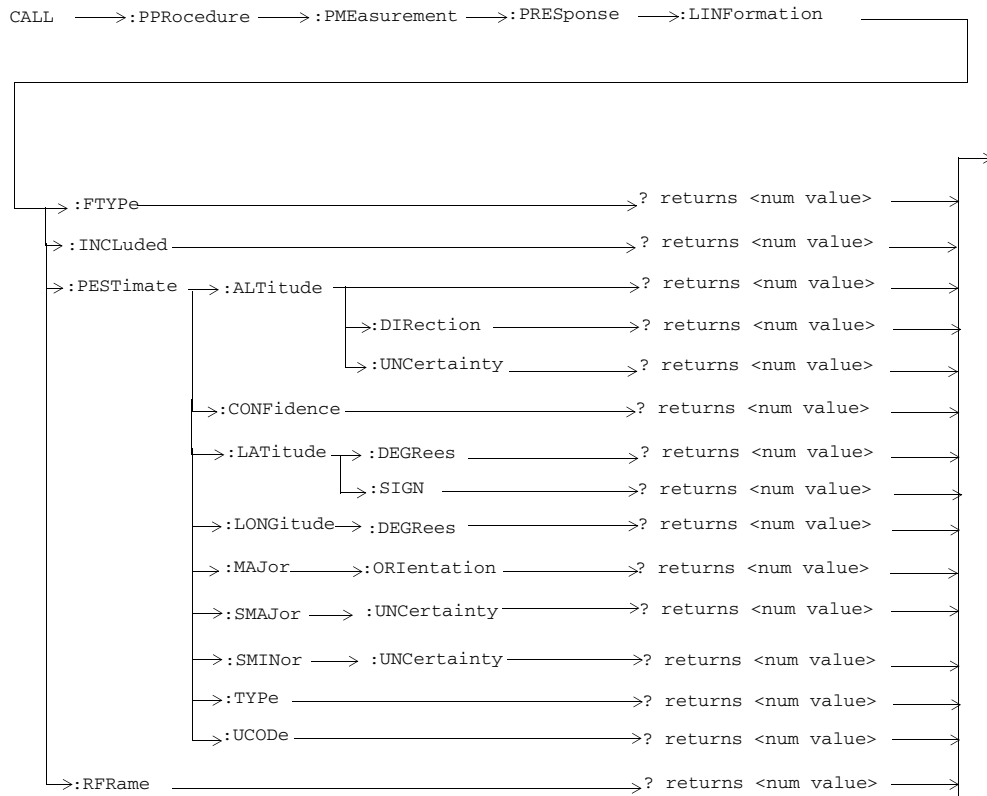
**CALL:PPROcedure:PMEasurement:PRESpense:LIERror**



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

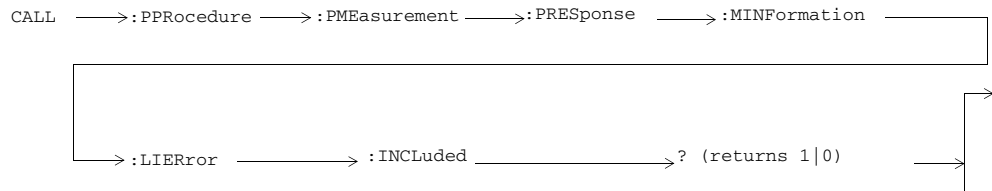
**GPiB Syntax for E1968A, E6701D/E/T, E6704A**

**CALL:PPROcedure:PMEasurement:PREsponse:LINformation**



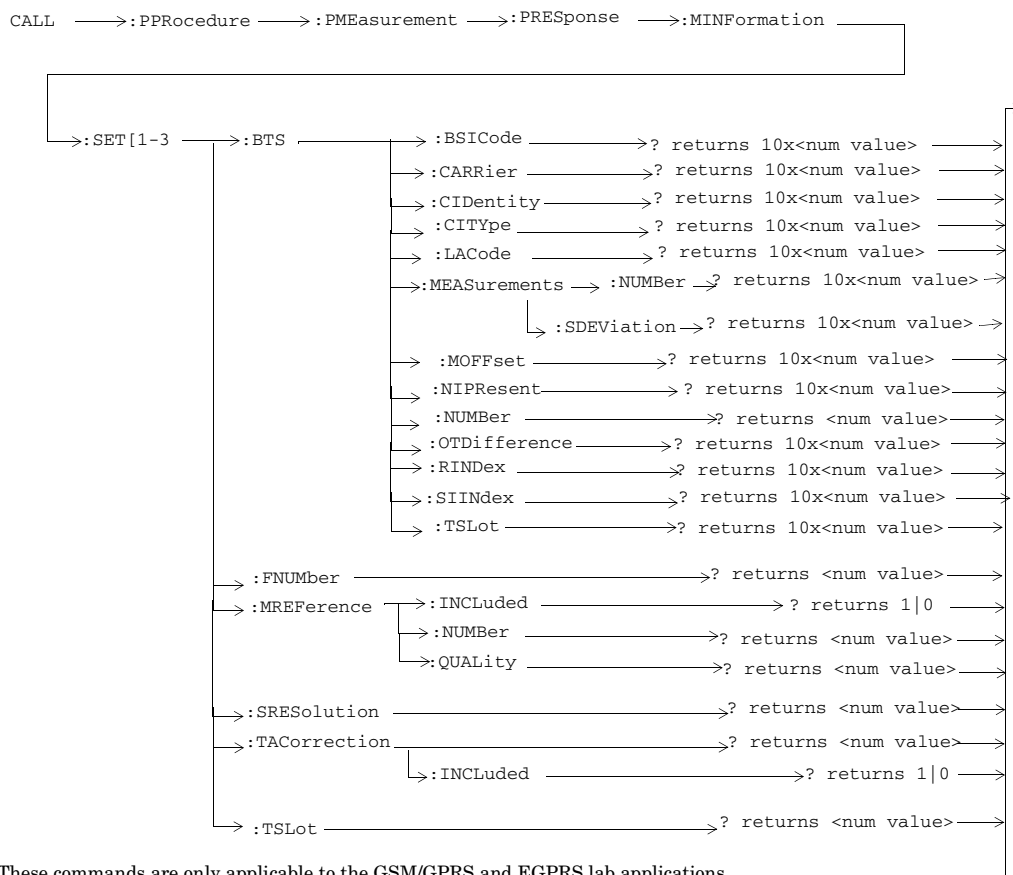
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

**CALL:PPRocedure:PMEasurement:PRESpOse:MINFOrMation**



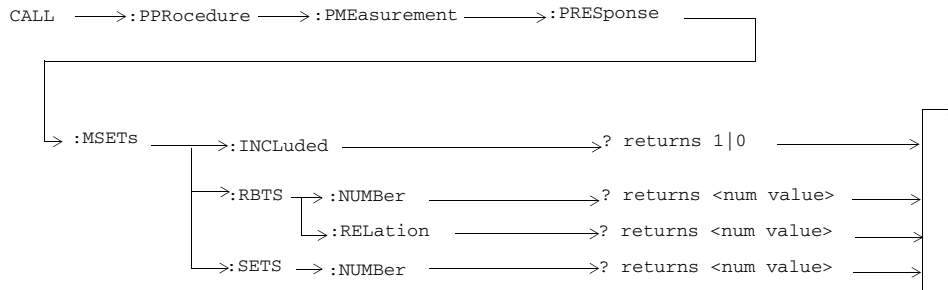
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

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



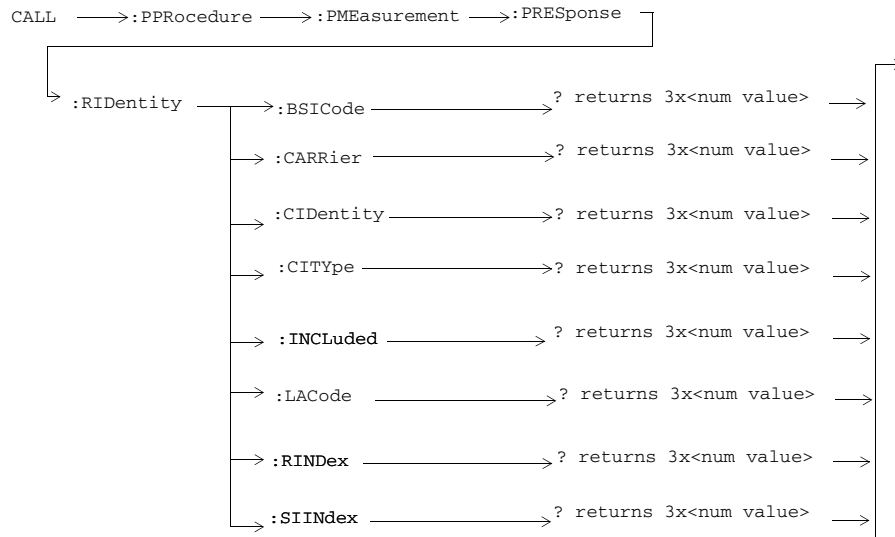
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

**CALL:PPRocedure:PMEasurement:PRESpouse:MSETs**



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

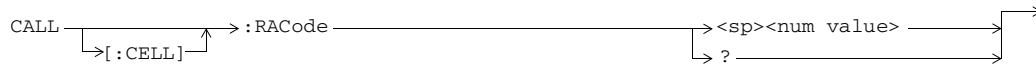
**CALL:PPRocedure:PMEasurement:PRESpouse:RIDentity**



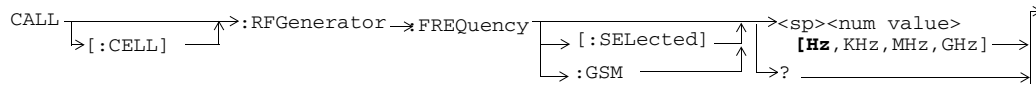
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

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

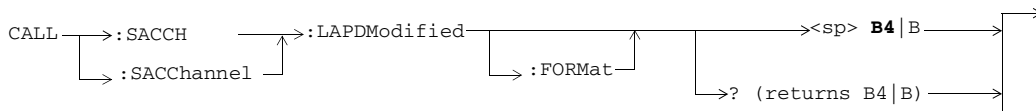
**CALL:RACode**



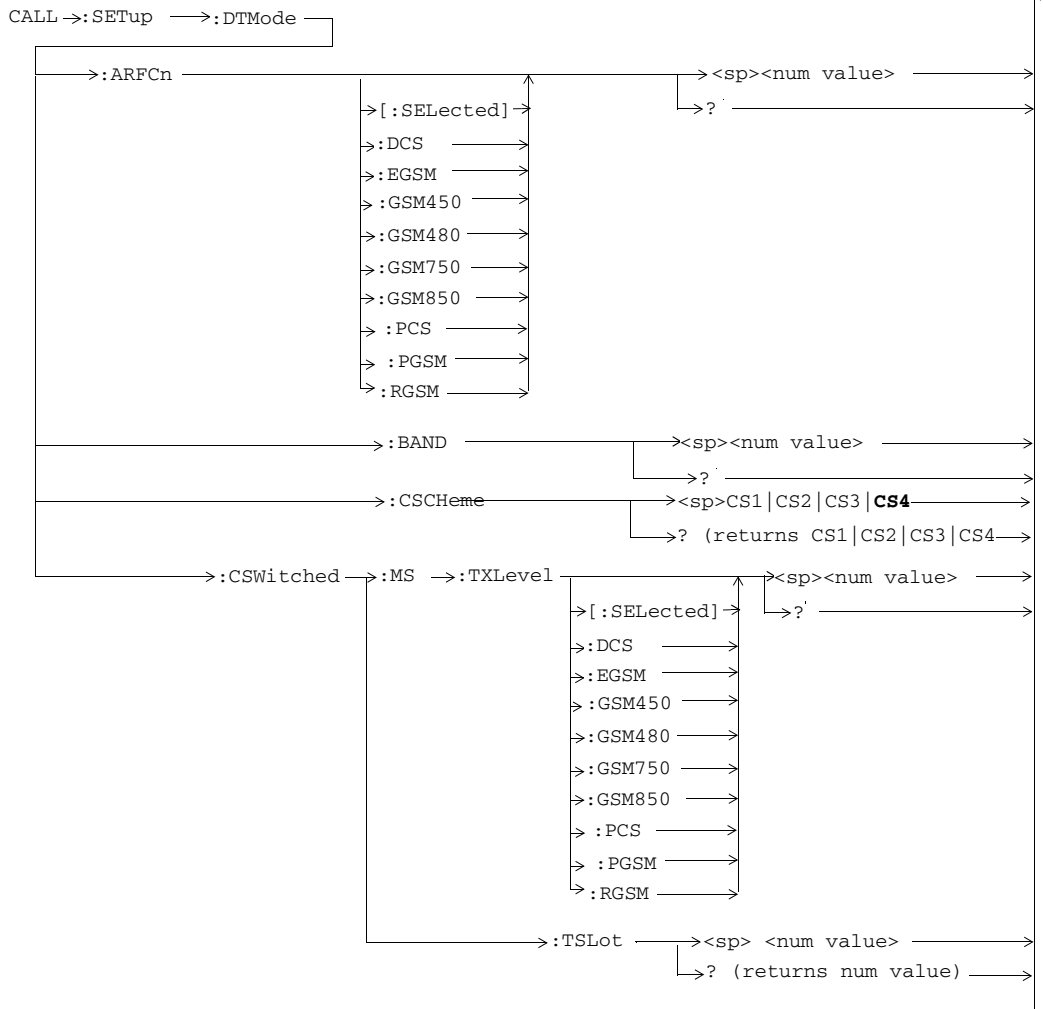
**CALL:RFGenerator**



**CALL:SACCH | SACChannel**

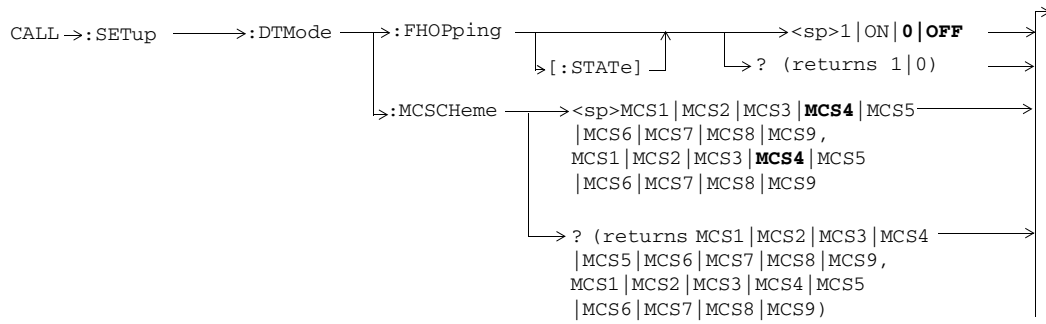


**CALL:SETup**



These commands are applicable only to the lab applications.

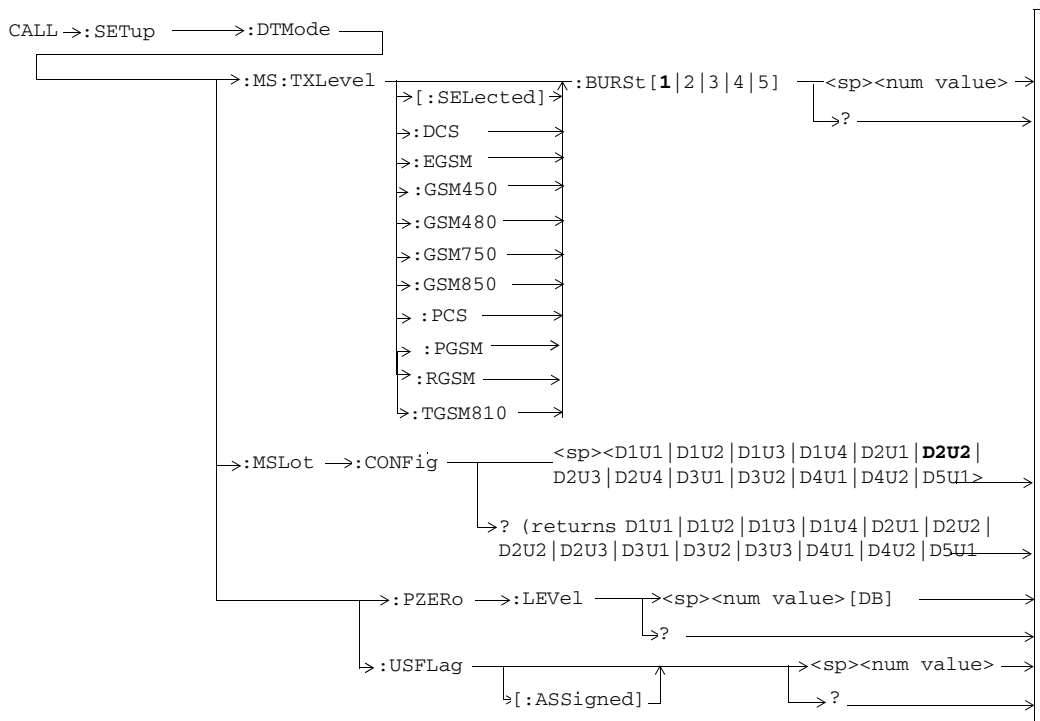
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



These commands are applicable only to the lab applications.

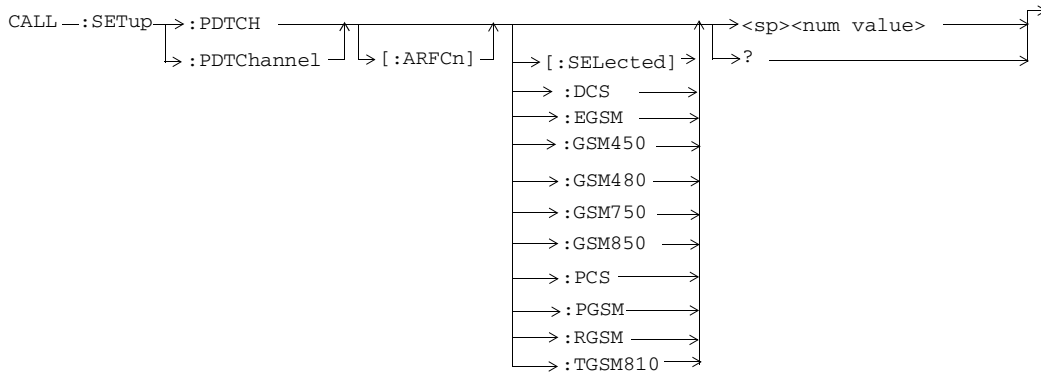


**GPIO Syntax for E1968A, E6701D/E/T, E6704A**

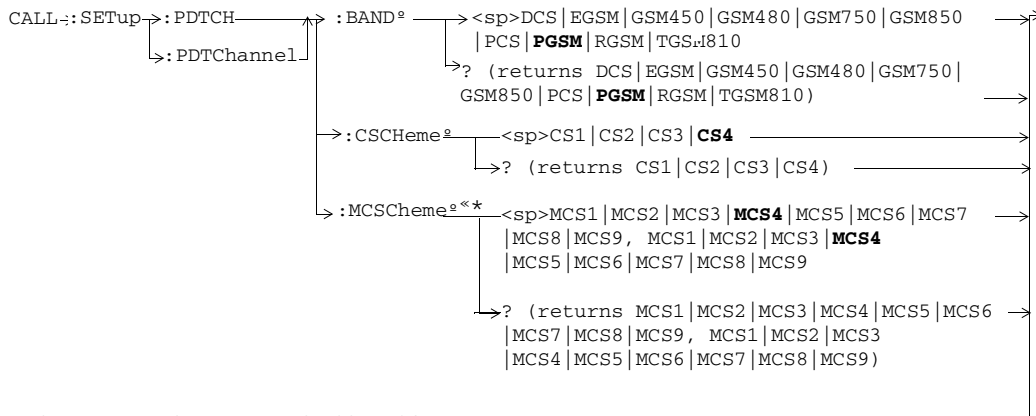


These commands are applicable only to the lab applications.

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



These commands are not applicable to GSM.

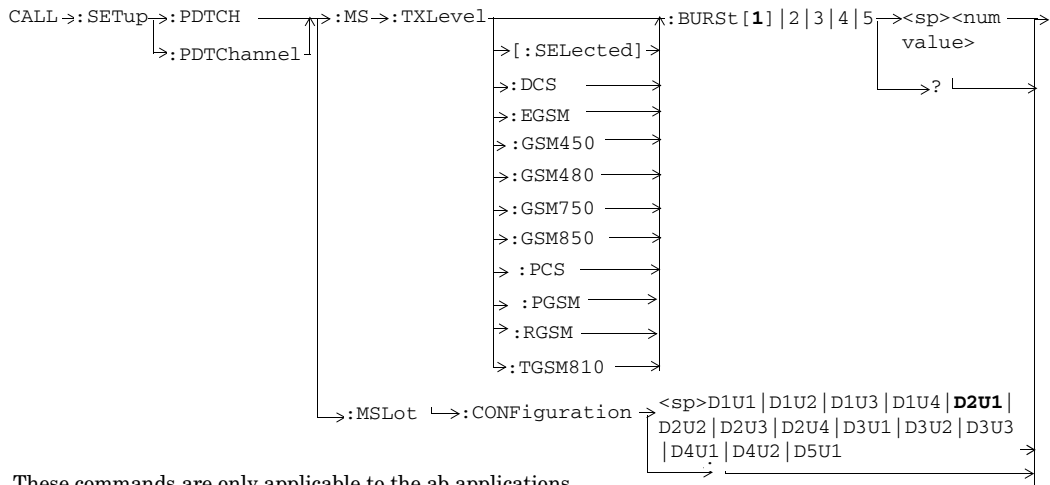


<sup>°</sup> These commands are not applicable to GSM.

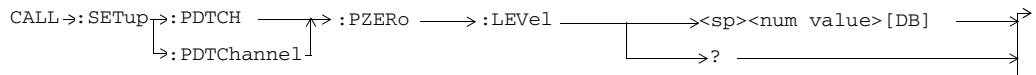
<sup>«</sup> These commands are not applicable to GPRS.

\*These commands are only applicable to the lab applications.

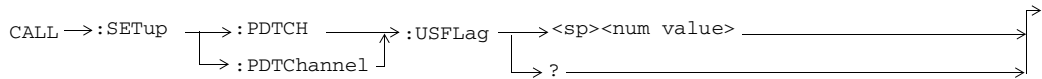
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



These commands are only applicable to the ab applications.  
 These commands are not applicable to GSM.

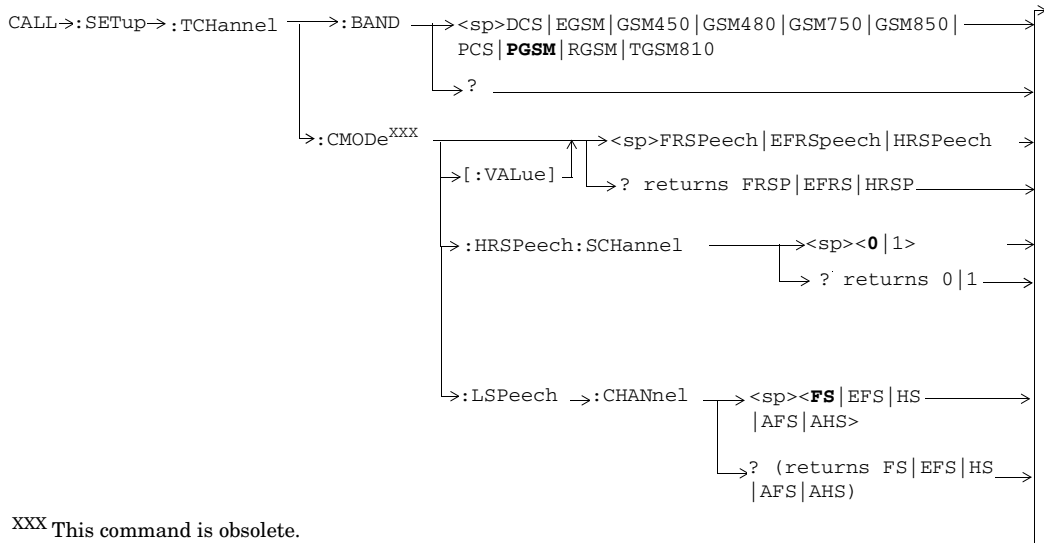
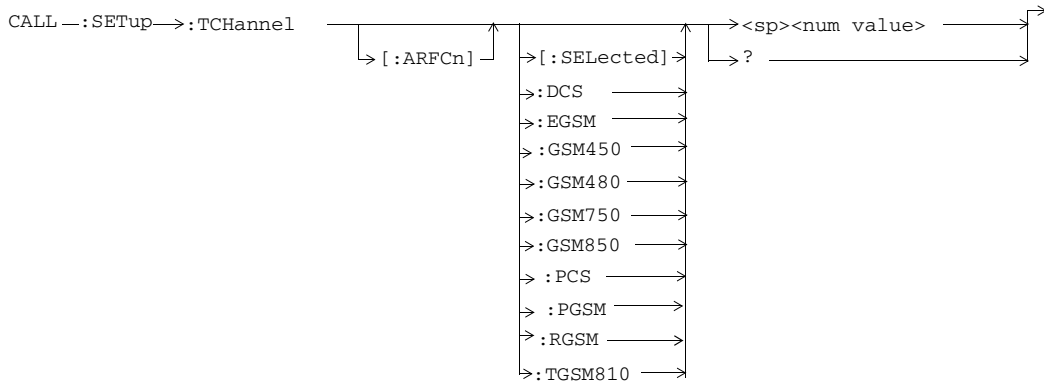


These commands are not applicable to GSM.



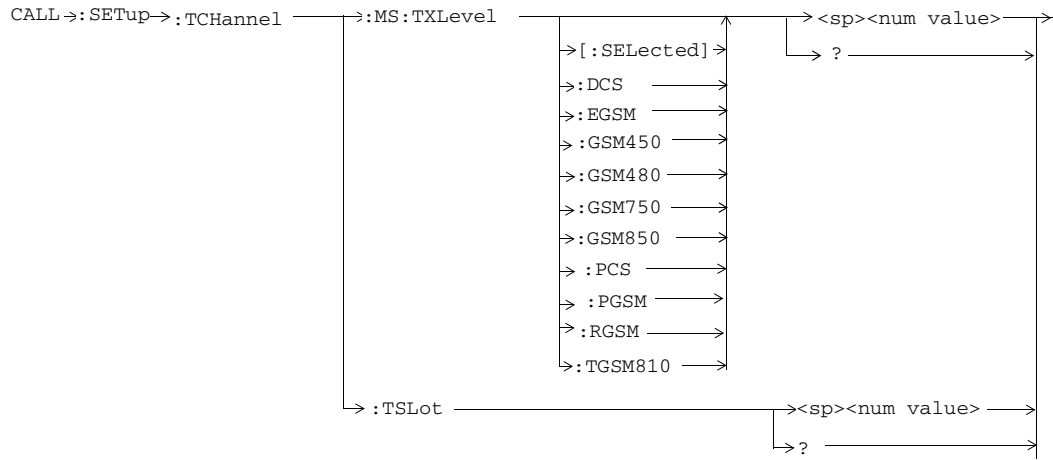
This command is applicable only to the lab applications.

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

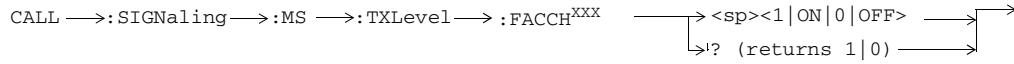


<sup>XXX</sup> This command is obsolete.

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



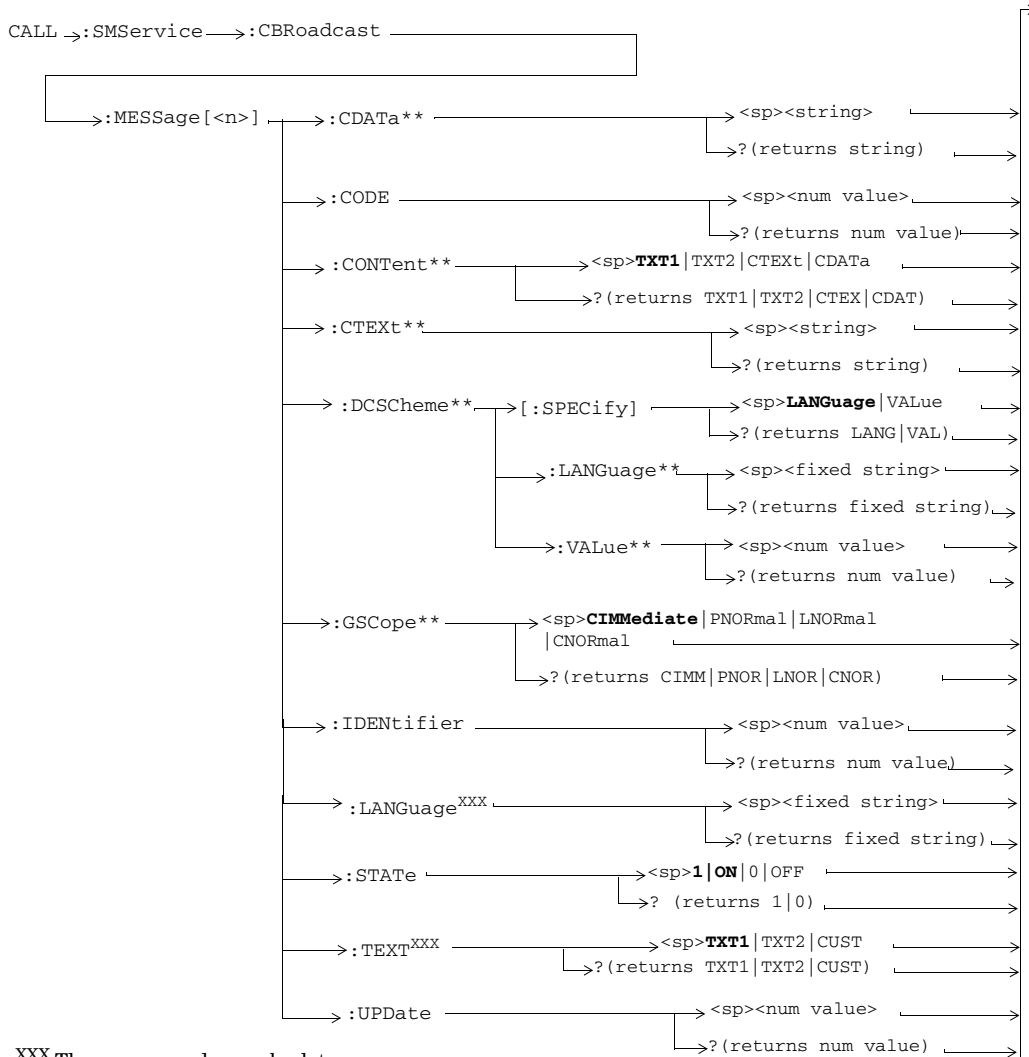
**CALL:SIGNaling**



This command is not applicable to GPRS.  
<sup>XXX</sup> This command is obsolete.

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

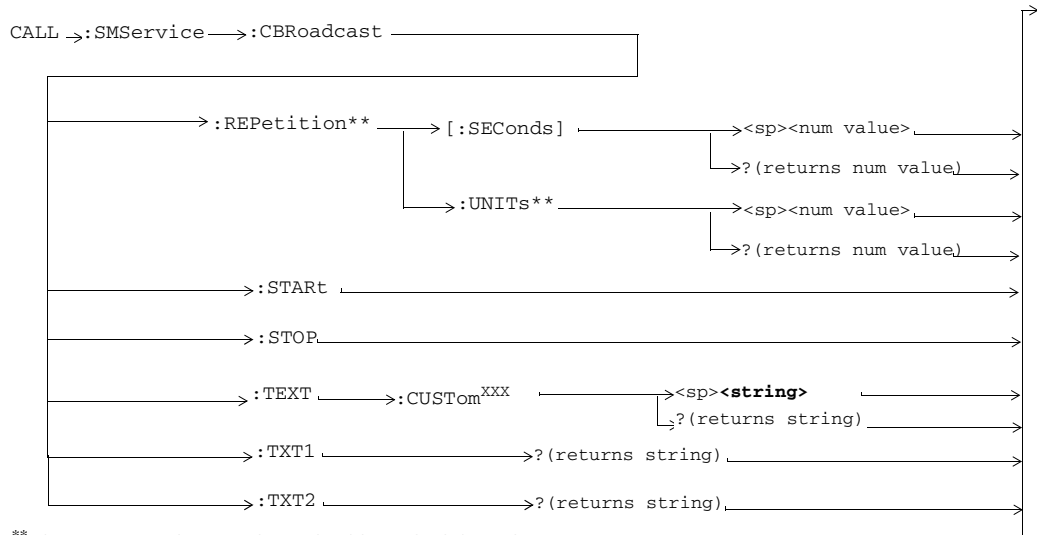
**CALL:SMService**



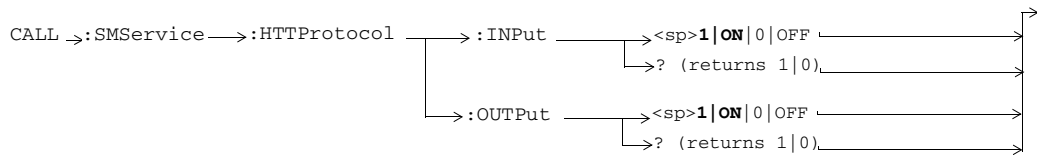
<sup>XXX</sup> These commands are obsolete.

<sup>\*\*</sup> These commands are only applicable to the lab applications.

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



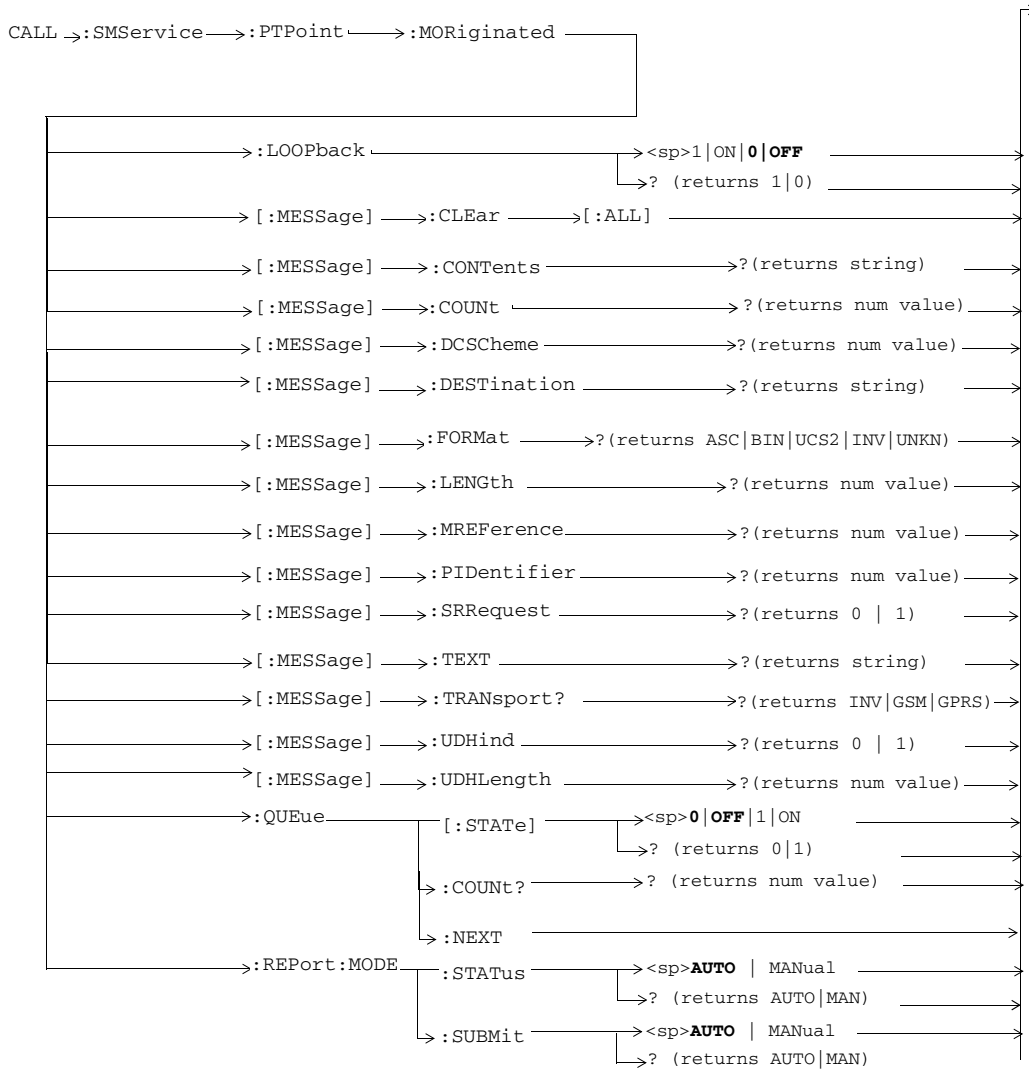
\*\*These commands are only applicable to the lab applications.



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

<sup>XXX</sup>These commands are obsolete.

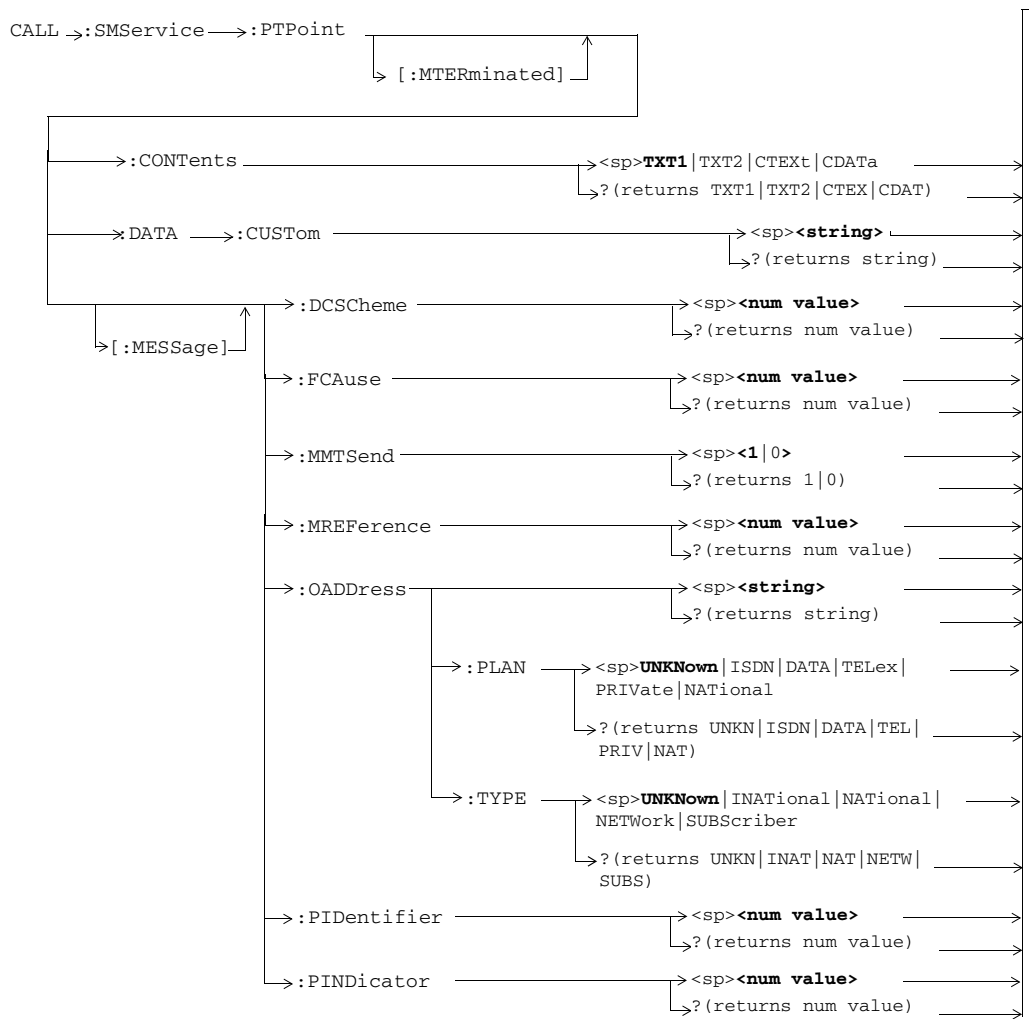
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



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

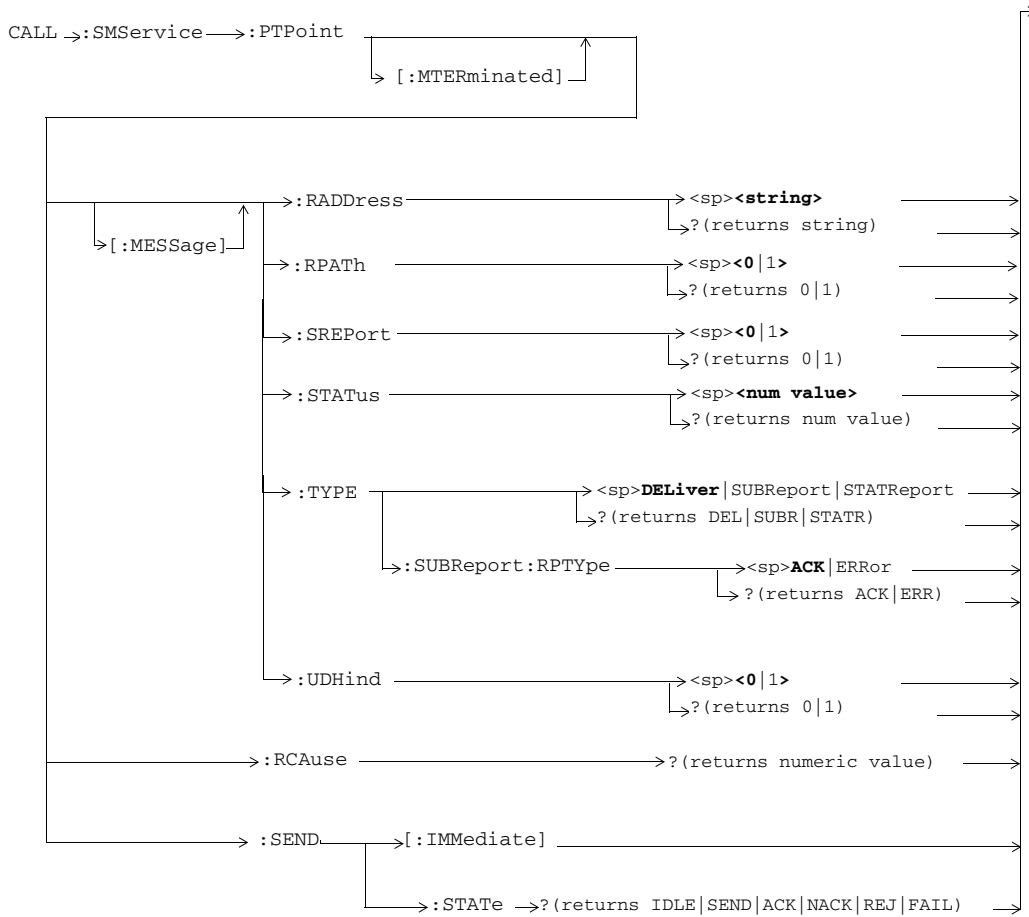


**GPiB Syntax for E1968A, E6701D/E/T, E6704A**



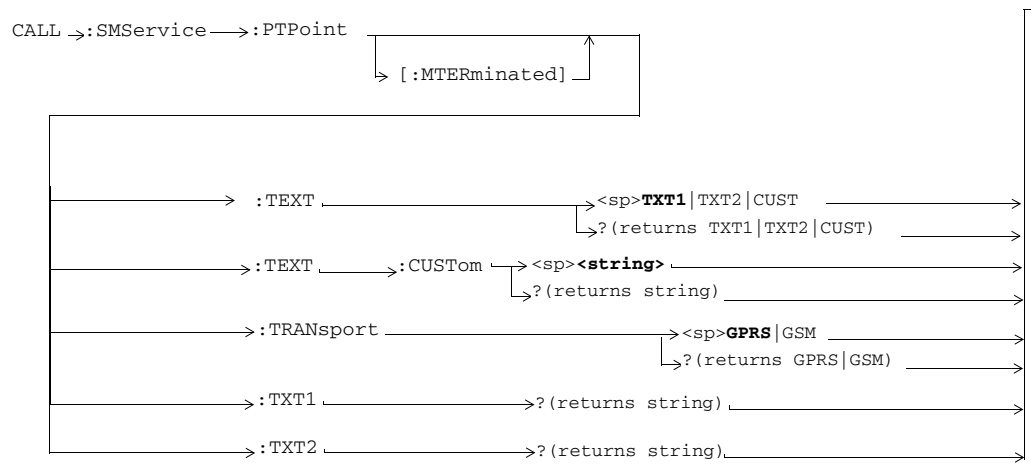
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

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



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

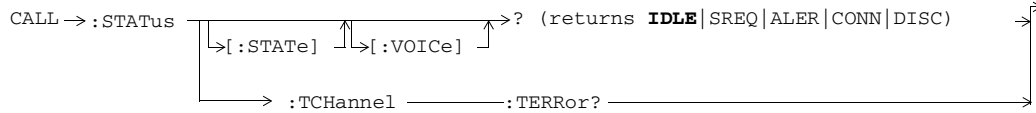
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



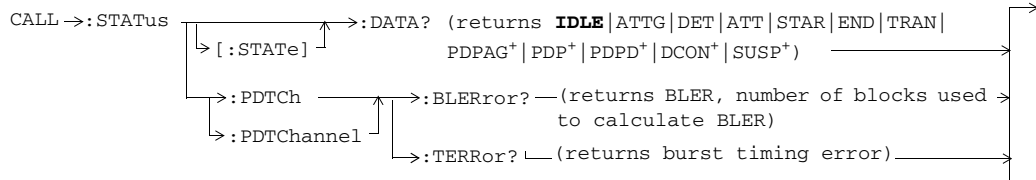
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

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

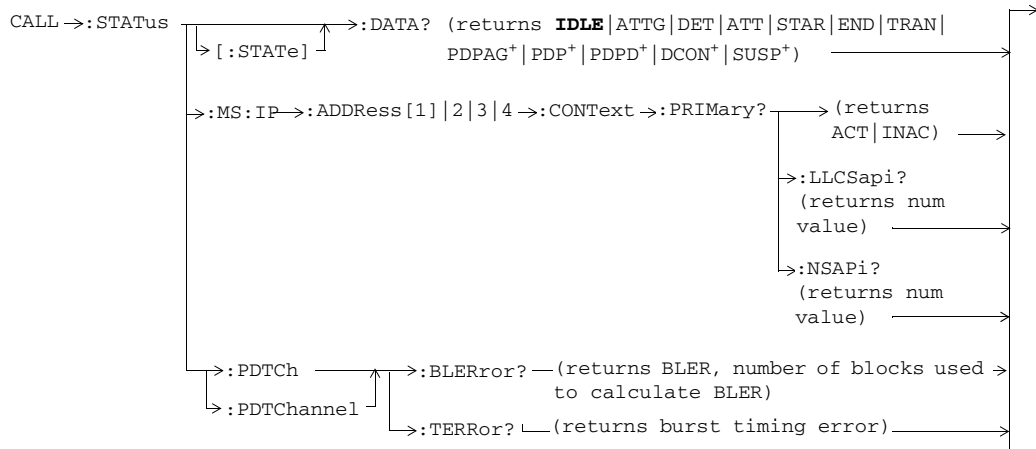
**CALL:STATus**



These commands are not applicable to GPRS.

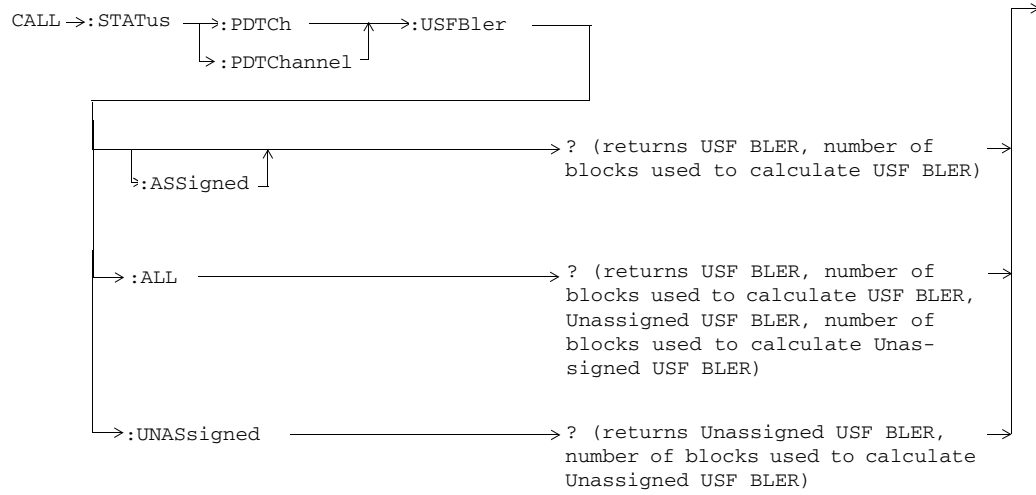


These commands are not applicable to GSM.  
+Only applicable to the lab applications.



These commands are not applicable to GSM.  
+Only applicable to the lab applications.

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



These commands are applicable only to the lab applications.

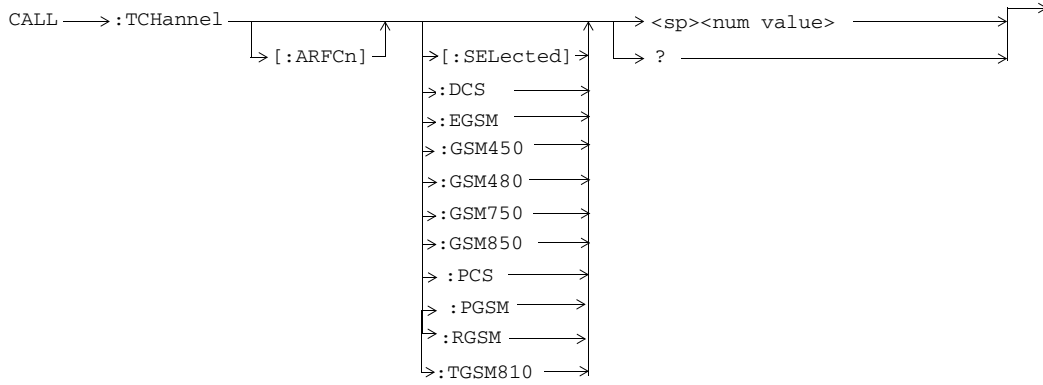
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

**CALL:TBFLow**

CALL  $\begin{array}{l} \xrightarrow{\hspace{1.5cm}} \\ \downarrow \text{[:CELL]} \end{array}$  :TBFLow  $\rightarrow$  :UPLink  $\rightarrow$  :EXTended  $\begin{array}{l} \xrightarrow{\hspace{1.5cm}} \\ \downarrow \text{[:STATE]} \end{array}$   $\begin{array}{l} \xrightarrow{\hspace{1.5cm}} \\ \downarrow \end{array}$  <sp>1|ON|0|OFF  $\begin{array}{l} \xrightarrow{\hspace{1.5cm}} \\ \downarrow \end{array}$  ? (returns 1|0)  $\begin{array}{l} \xrightarrow{\hspace{1.5cm}} \\ \downarrow \end{array}$

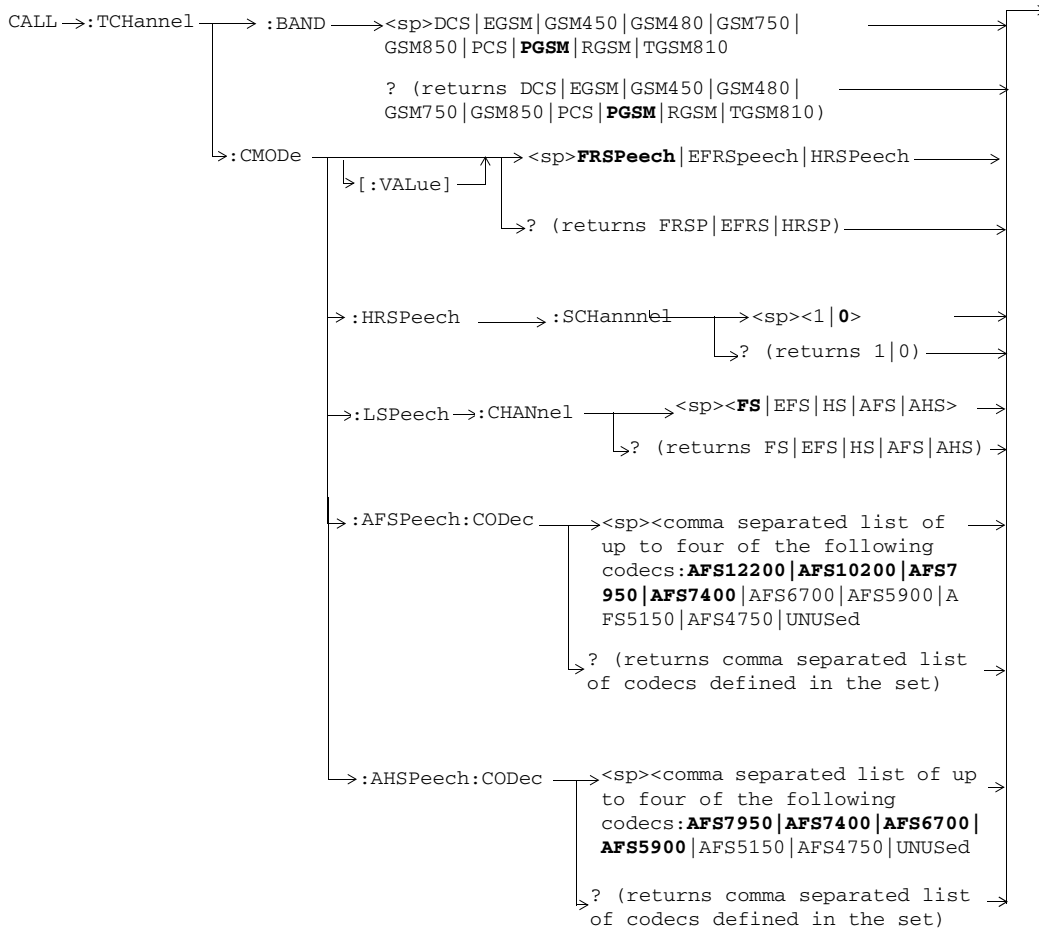
This command is only applicable to the lab applications.

**CALL:TCHannel**



These commands are not applicable to GPRS.

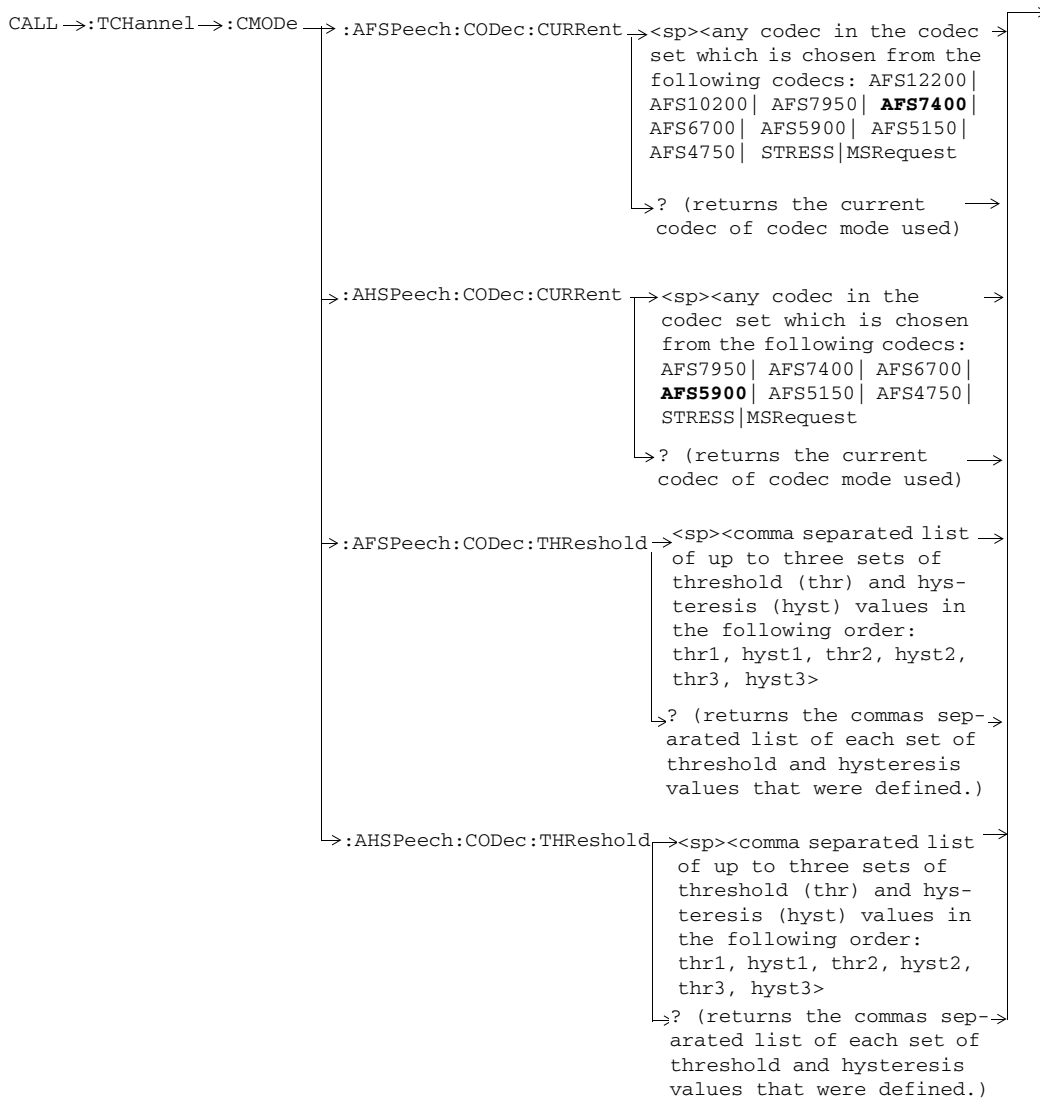
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



These commands are only applicable to the lab applications.

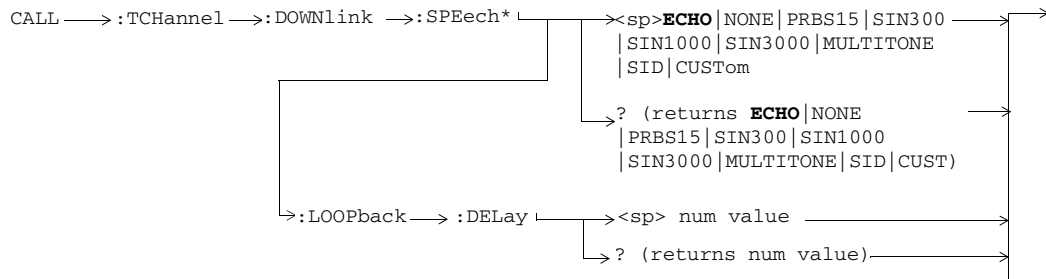
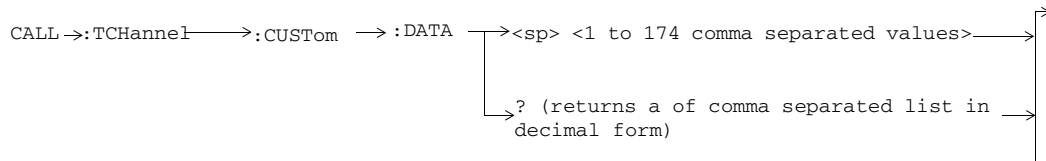


**GPIO Syntax for E1968A, E6701D/E/T, E6704A**

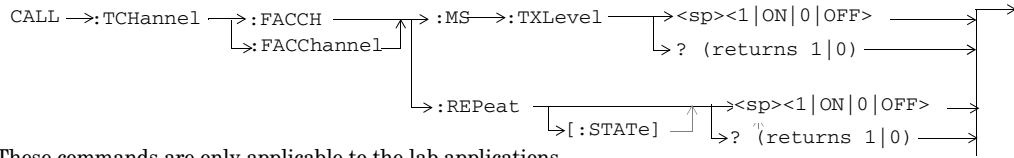


These commands are only applicable to the lab applications.

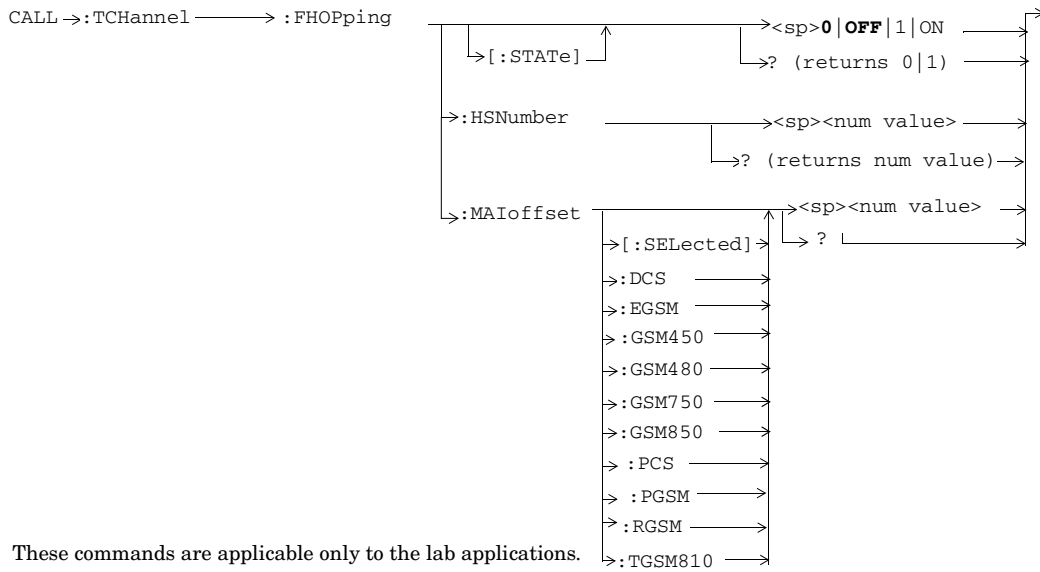
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



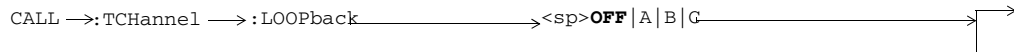
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



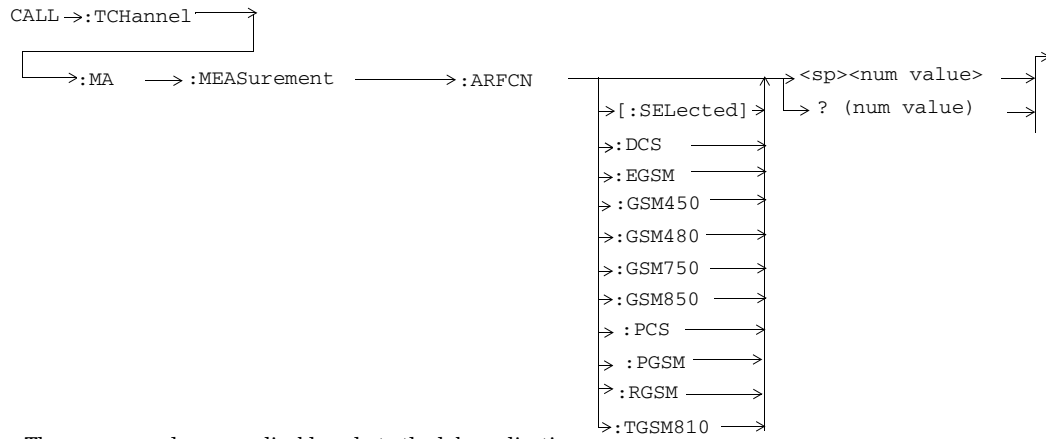
These commands are only applicable to the lab applications.



These commands are applicable only to the lab applications.

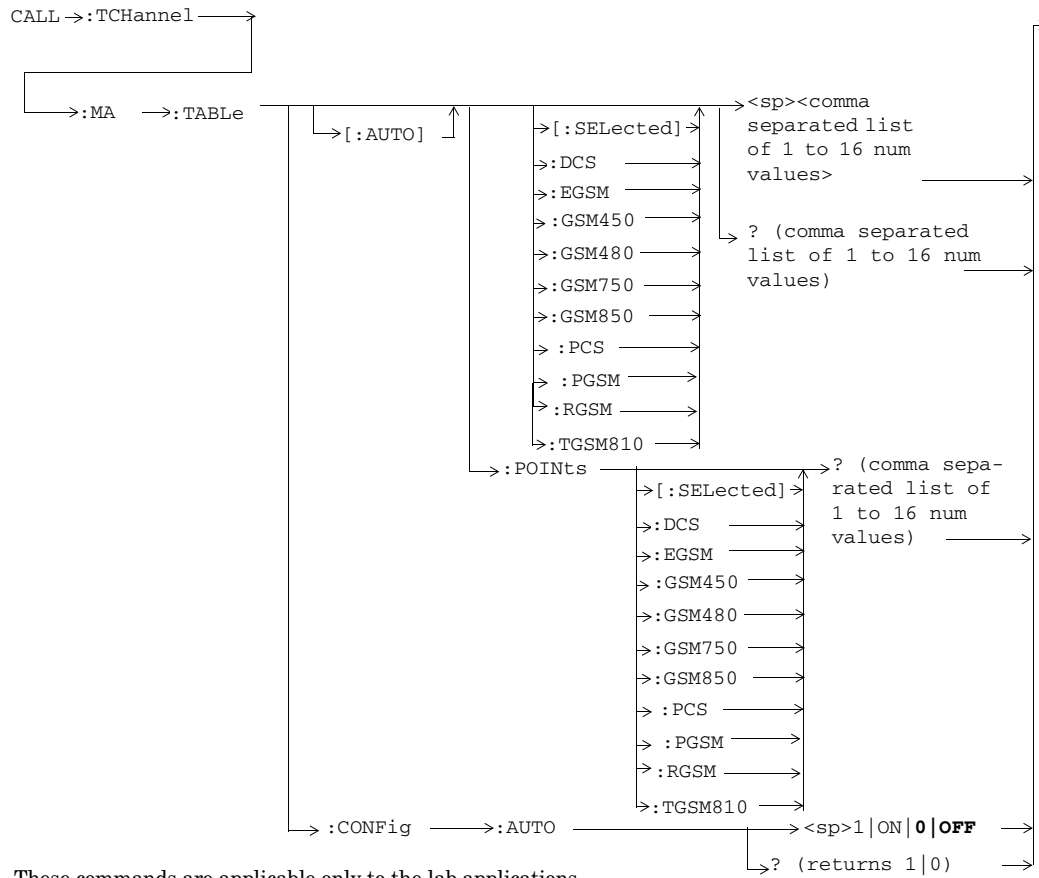


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



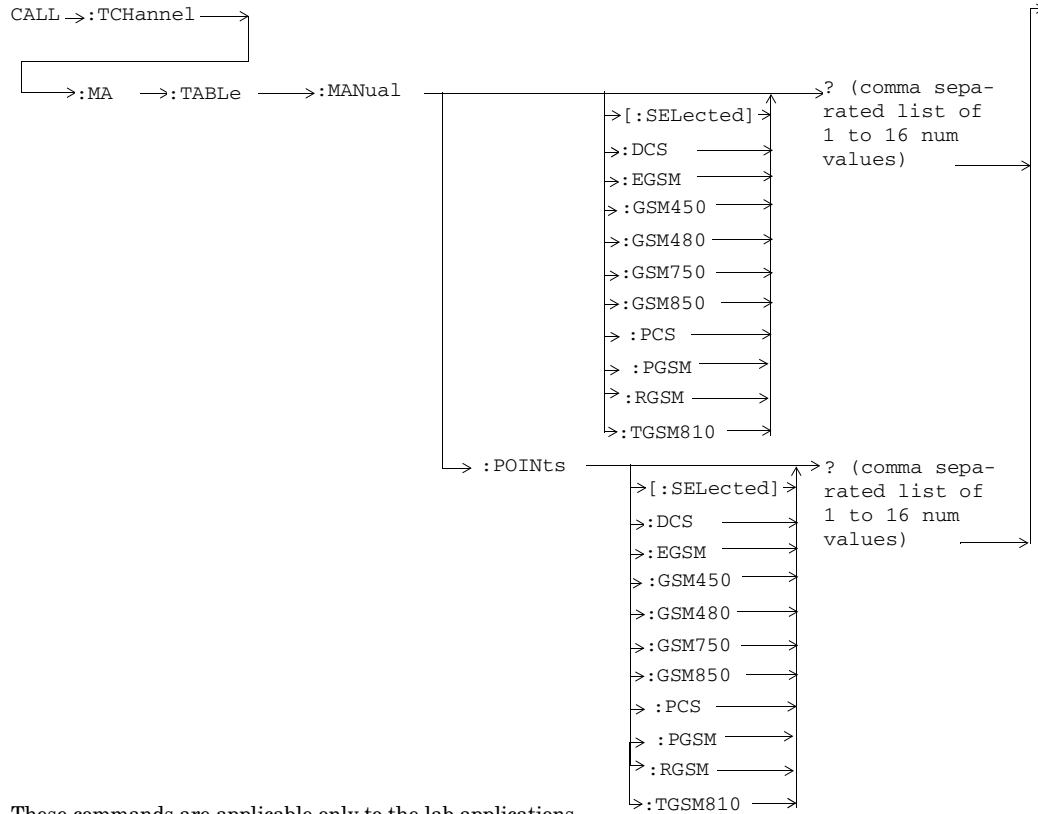
These commands are applicable only to the lab applications.

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



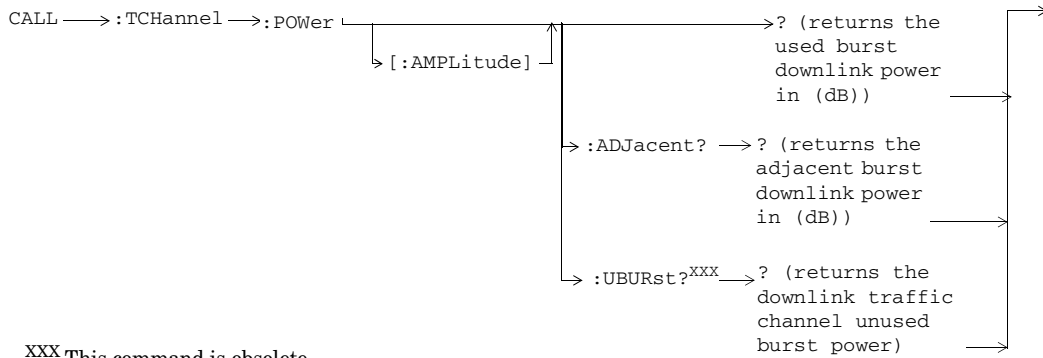
These commands are applicable only to the lab applications.

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

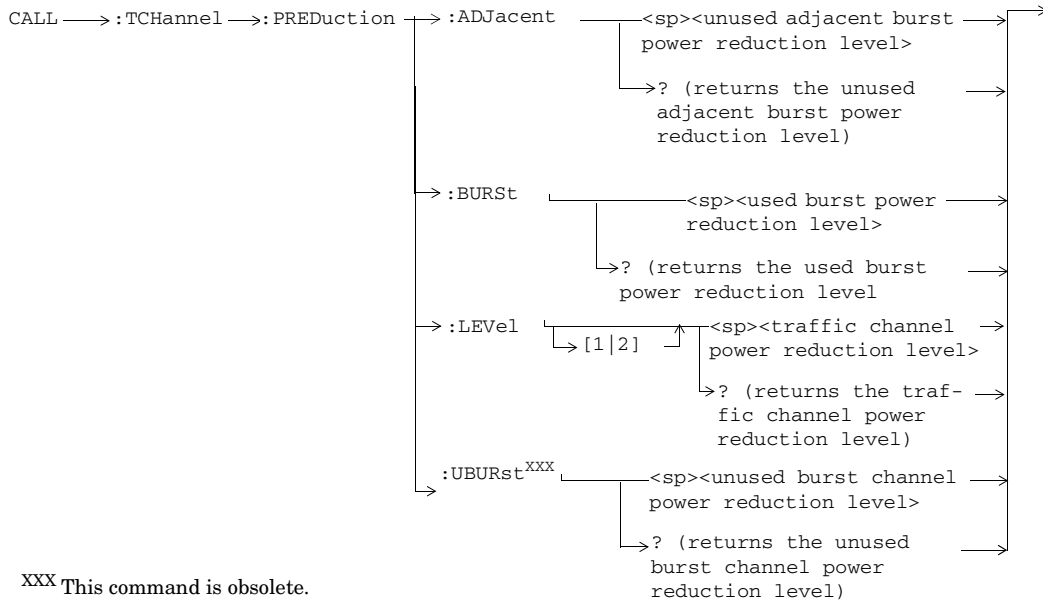


These commands are applicable only to the lab applications.

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

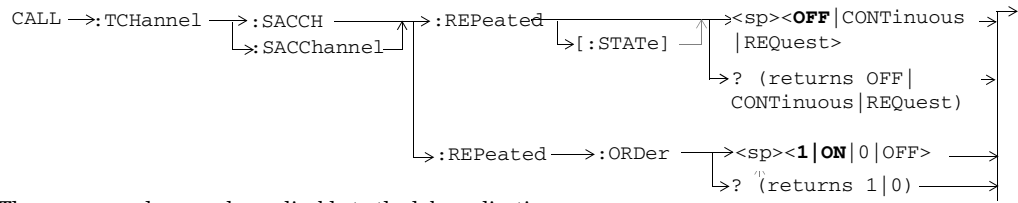


<sup>XXX</sup> This command is obsolete.



<sup>XXX</sup> This command is obsolete.

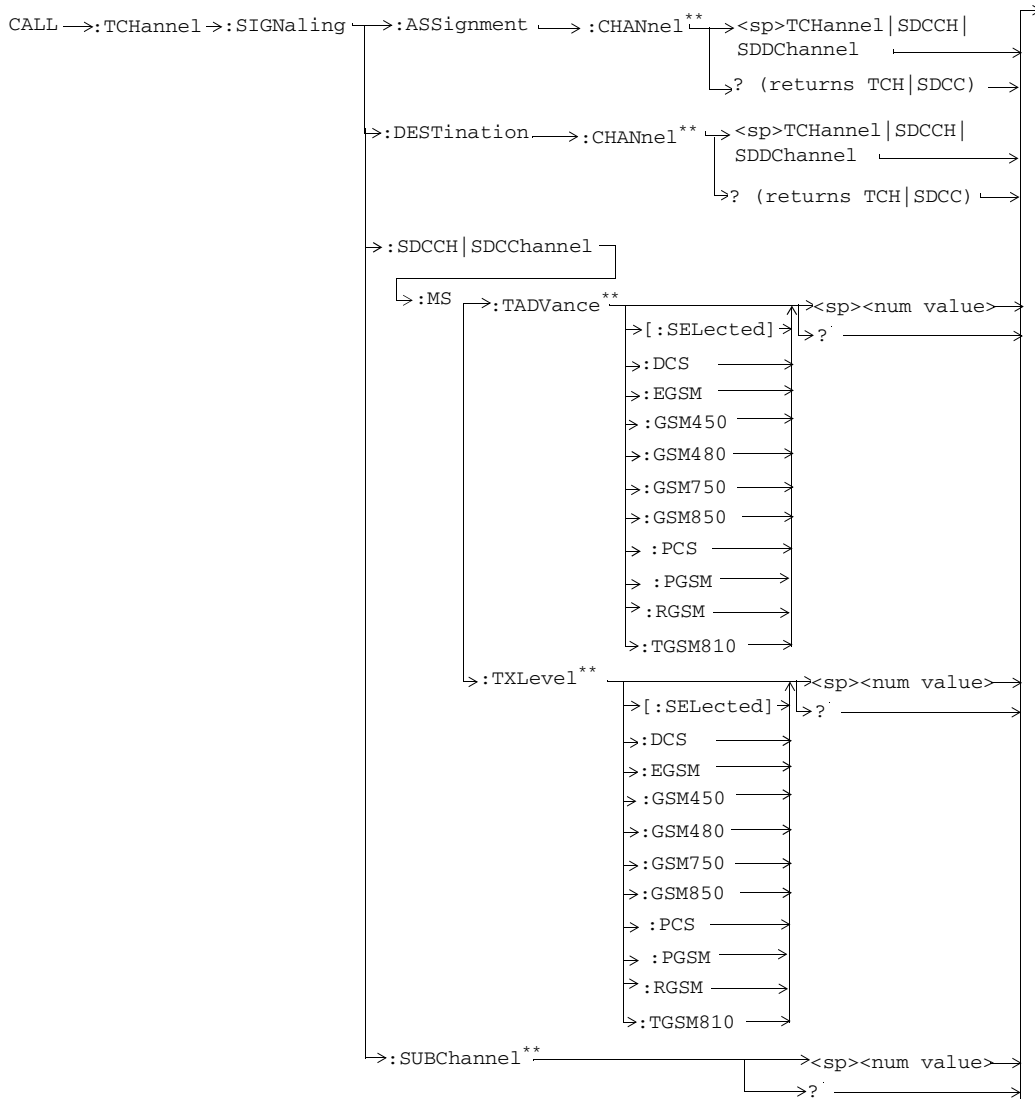
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



These commands are only applicable to the lab applications.

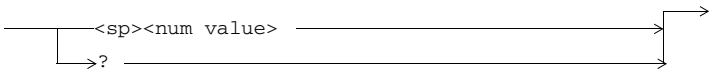


**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



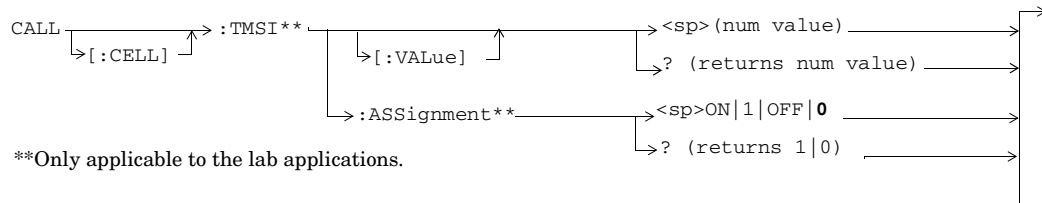
These commands are only applicable to the lab applications.

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

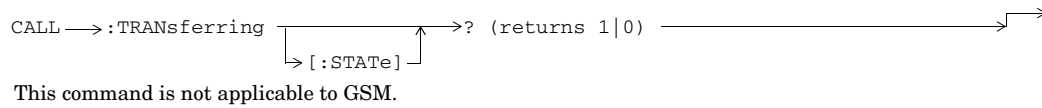
CALL → :TChannel → :TSlot → 

These commands are not applicable to GPRS.

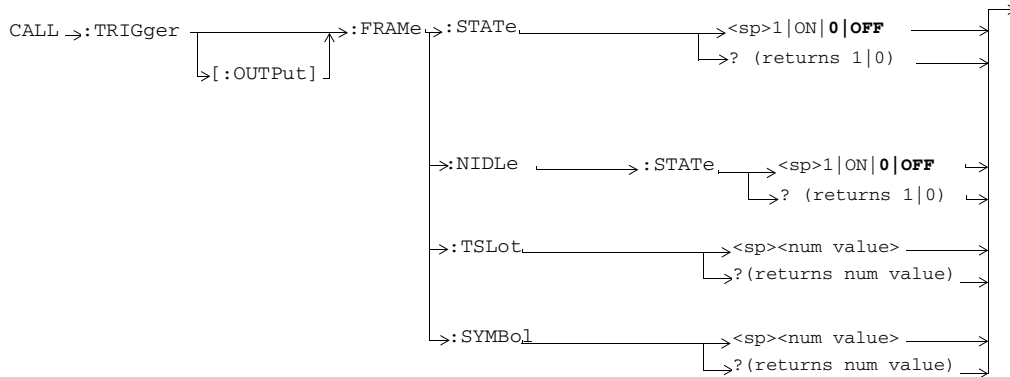
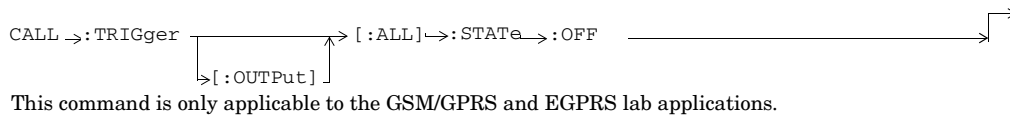
**CALL:TMSI**



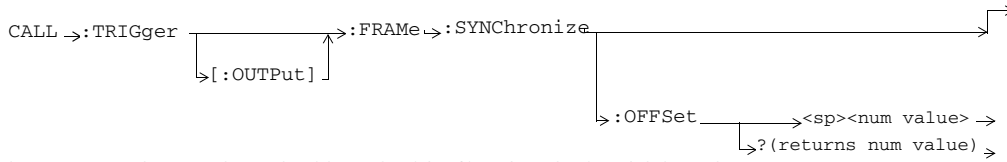
**CALL:TRANSferring**



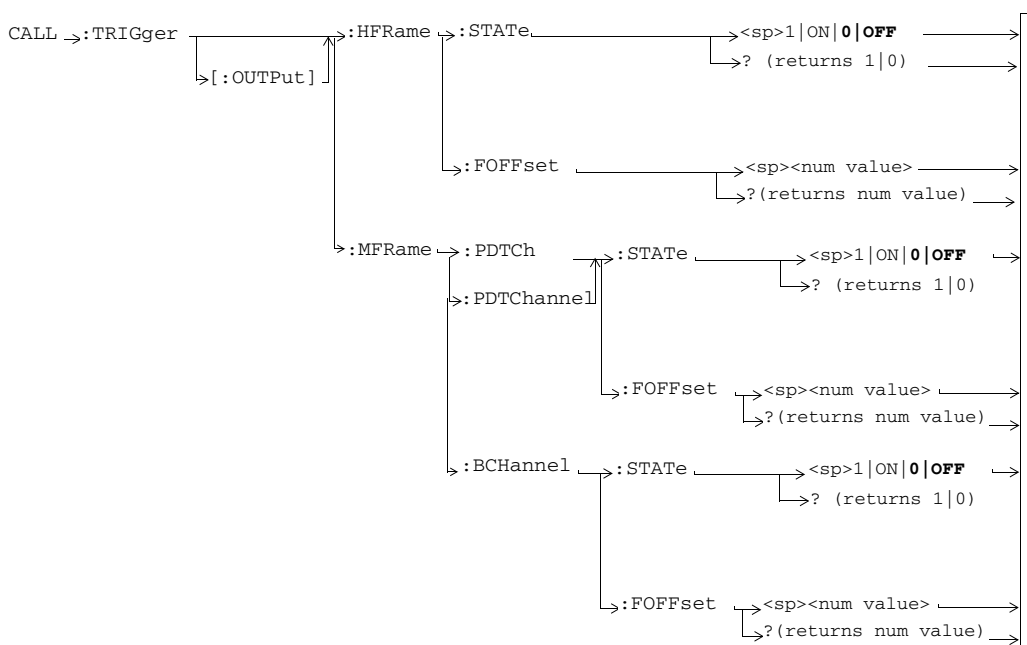
**CALL:TRIGger**



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

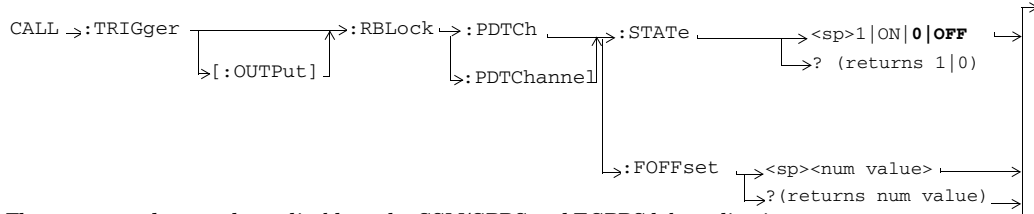


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

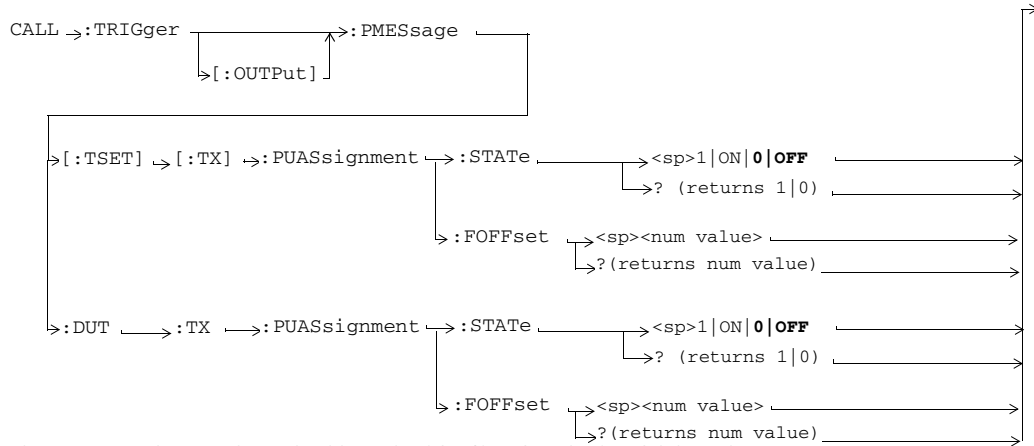


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

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

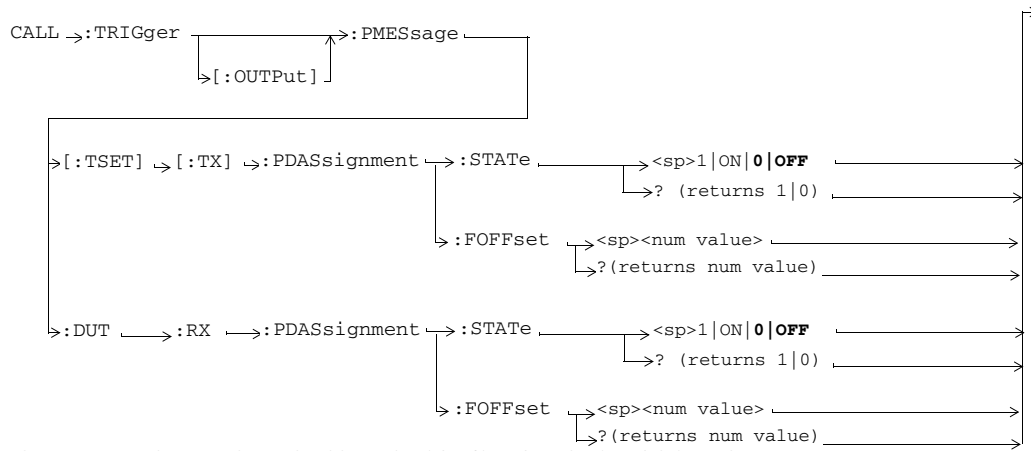


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

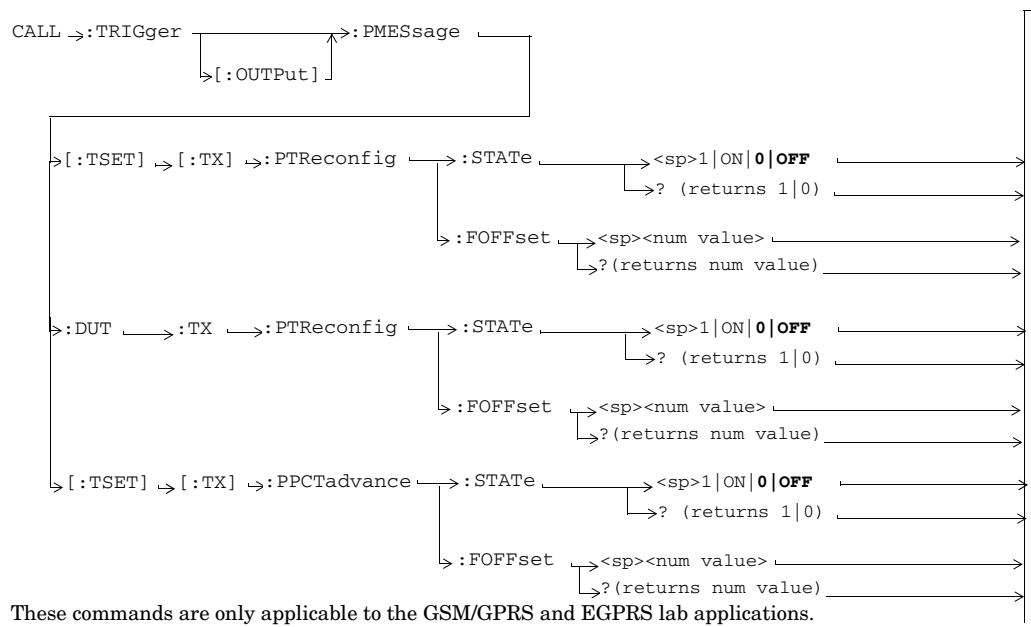


These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

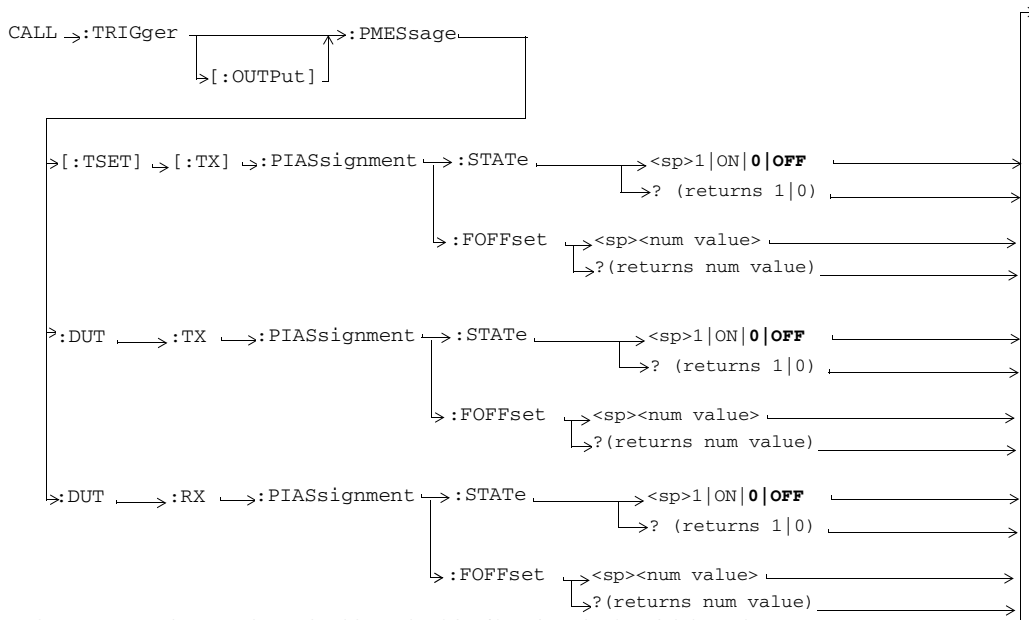
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



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

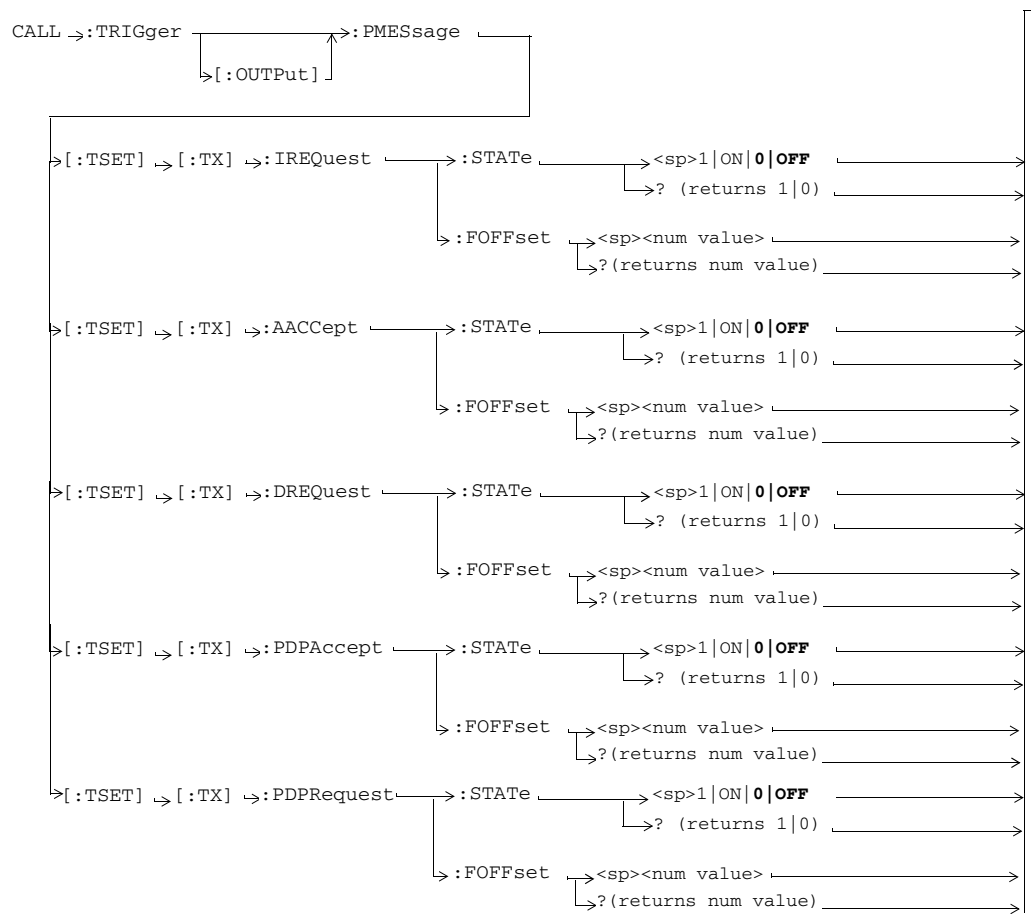


**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



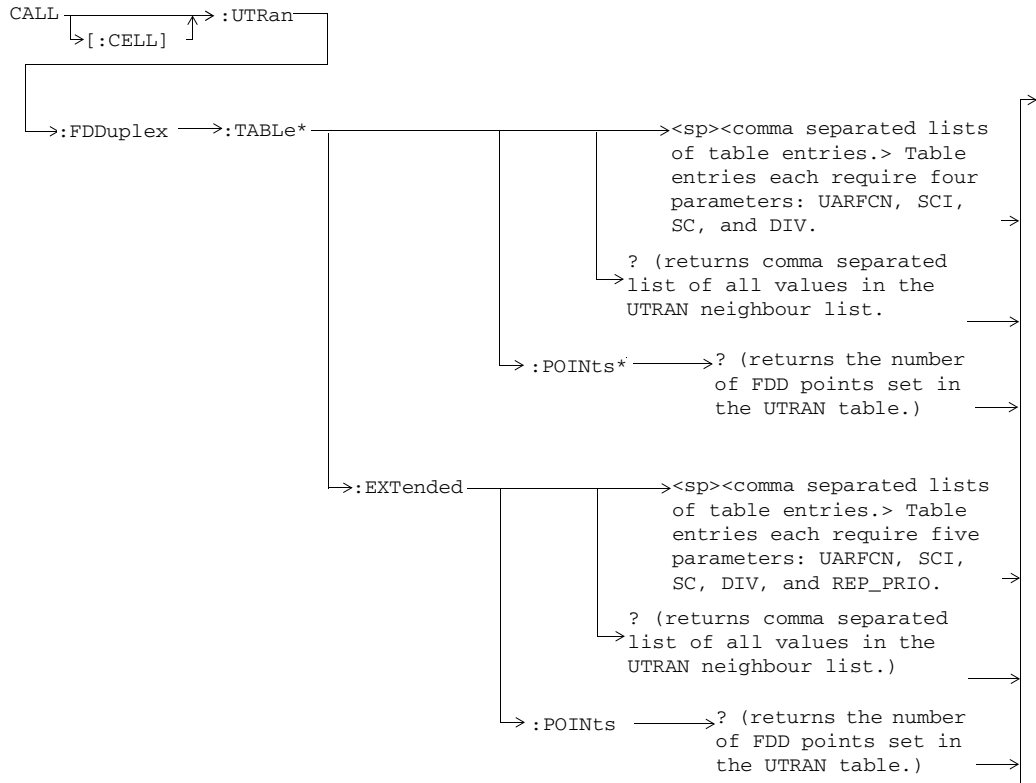
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.





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

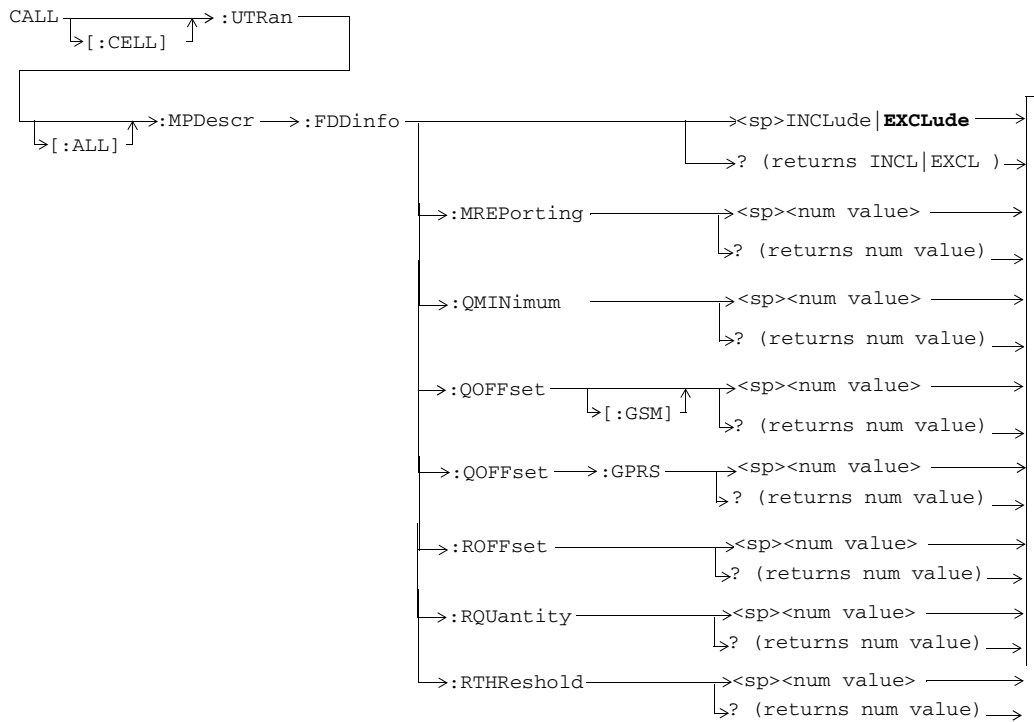
**CALL:UTRan**



\* This is the original GPiB commands used to set/query the 3G FDD neighbours table in versions prior to E6701E. This command is similar to the EXTended command except not allowing for define of reporting priorities for each entry in the table, a LOW reporting priority is assumed for each entry specified.

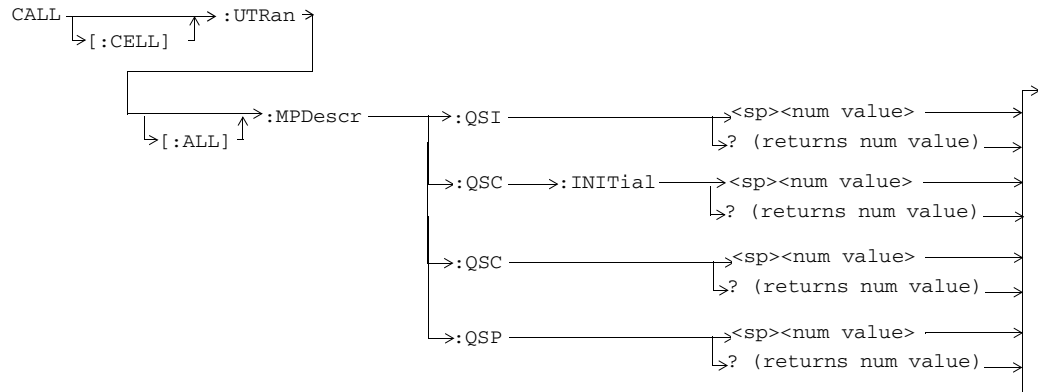


Only applicable to the lab applications



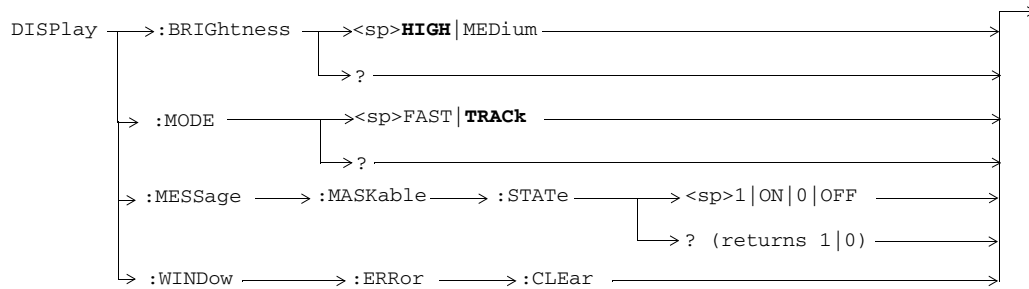
Only applicable to the lab applications

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

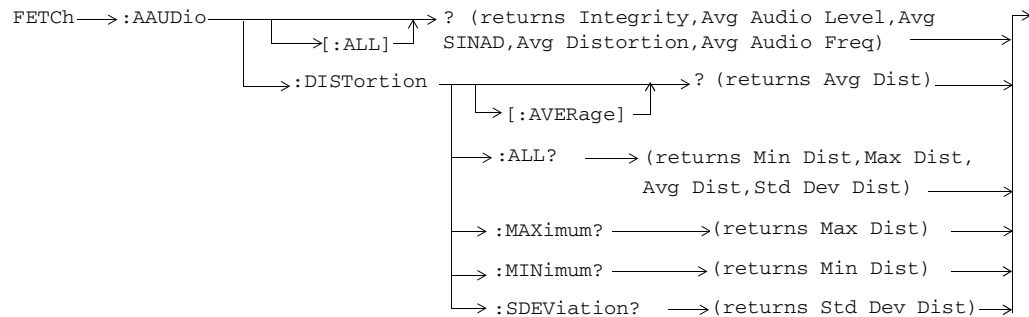


Only applicable to the lab applications

**DISPlay**

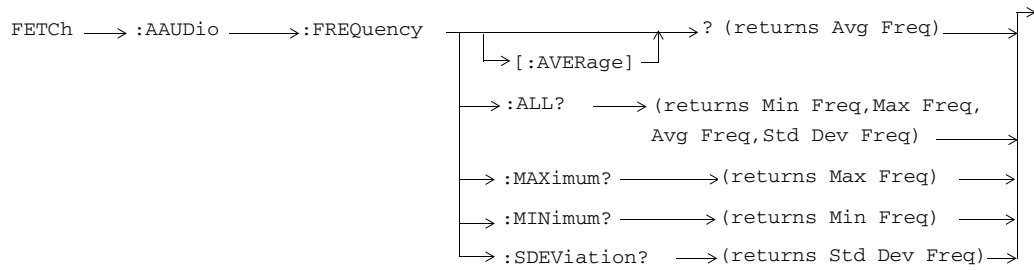


**FETCh:AAUDio**

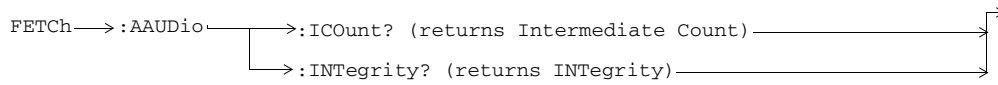


These commands are not applicable to GPRS.

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

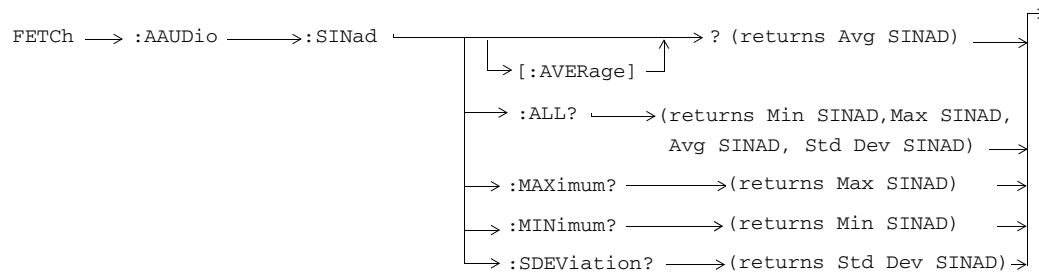


These commands are not applicable to GPRS.

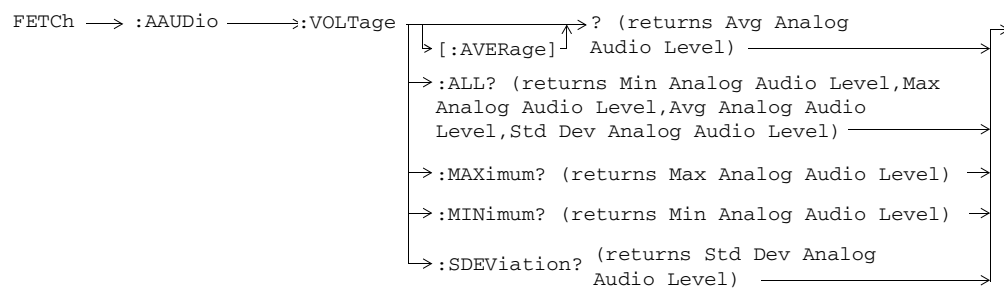


These commands are not applicable to GPRS.

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



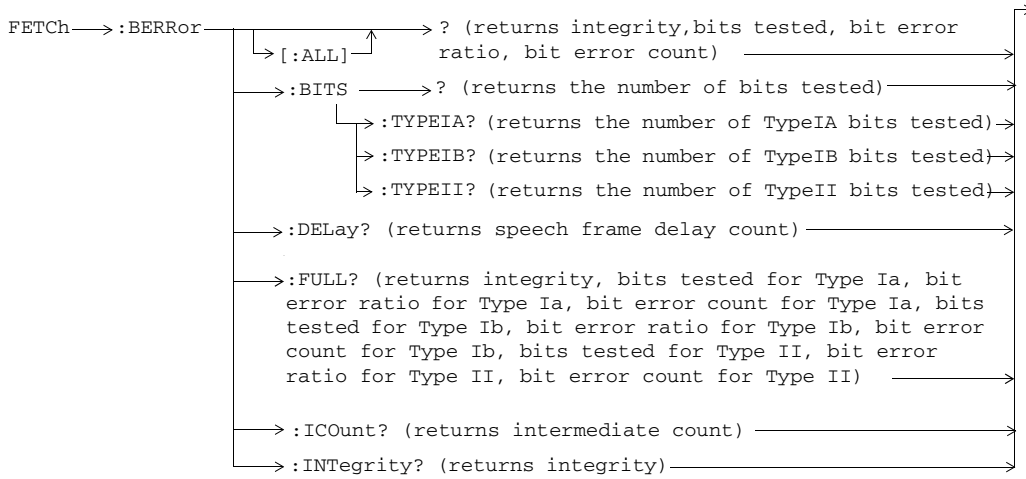
These commands are not applicable to GPRS.



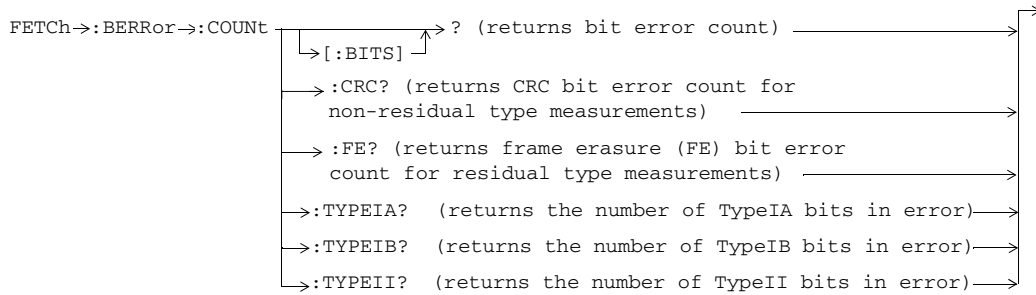
These commands are not applicable to GPRS.

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

**FEtCh:BErRor**



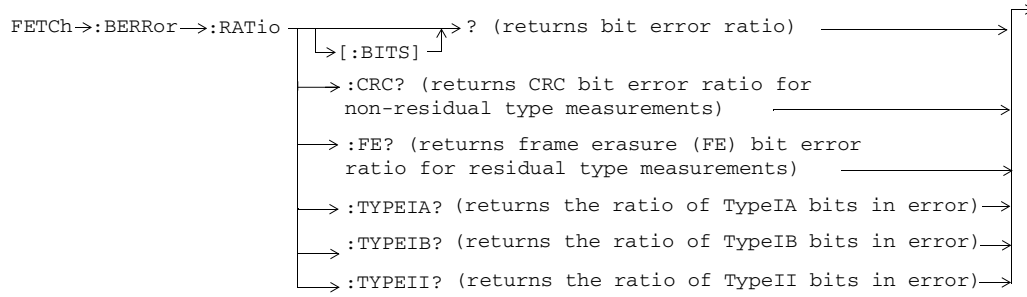
These commands are not applicable to GPRS or EGPRS.



These commands are not applicable to GPRS or EGPRS.

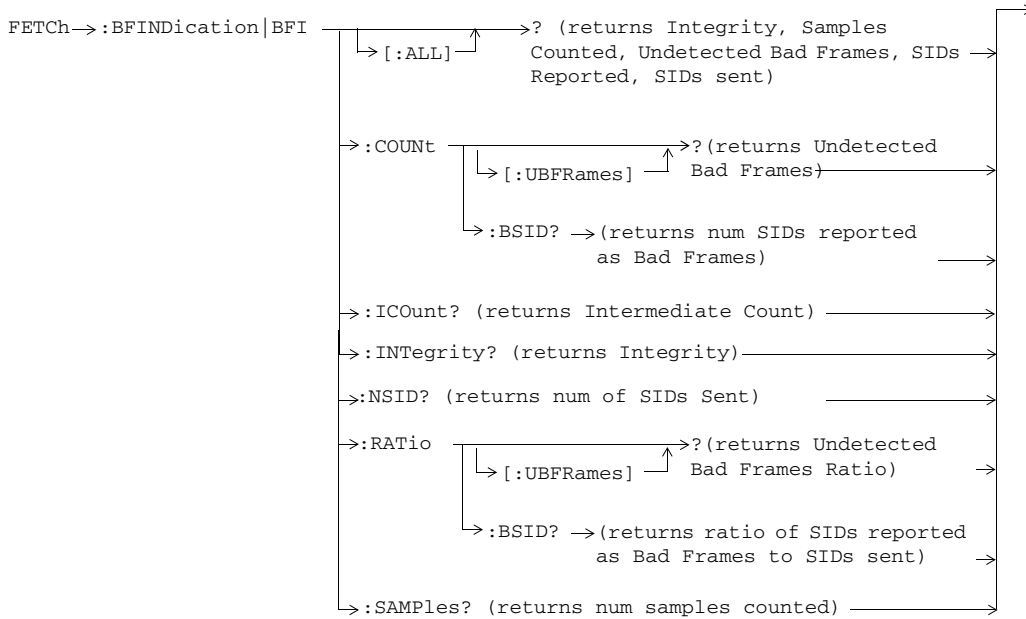


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



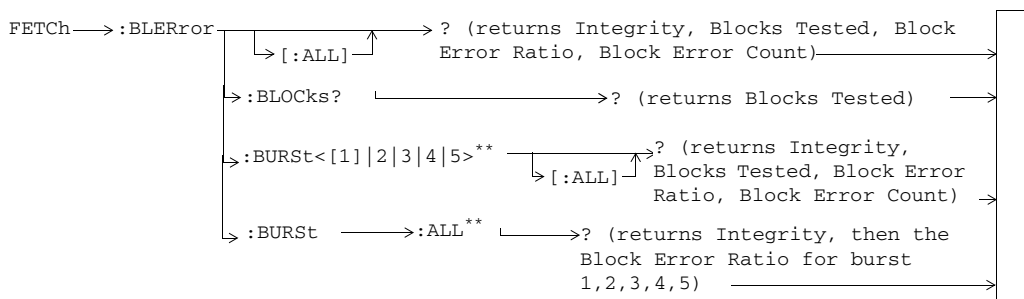
These commands are not applicable to GPRS or EGPRS.

**FETCH:<BFINDication | BFI>**



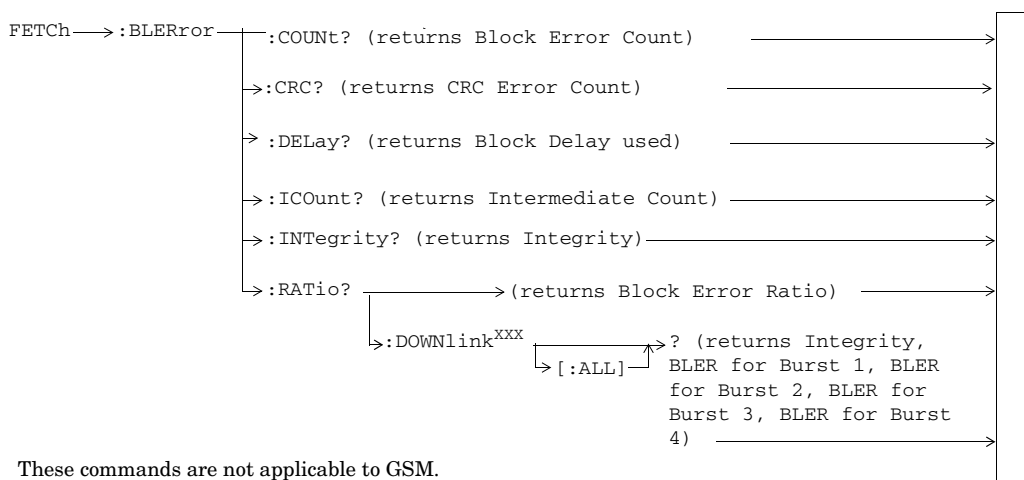
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

**FETCH:BLERror**



These commands are not applicable to GSM.

\*\* These commands are only applicable to the lab applications.

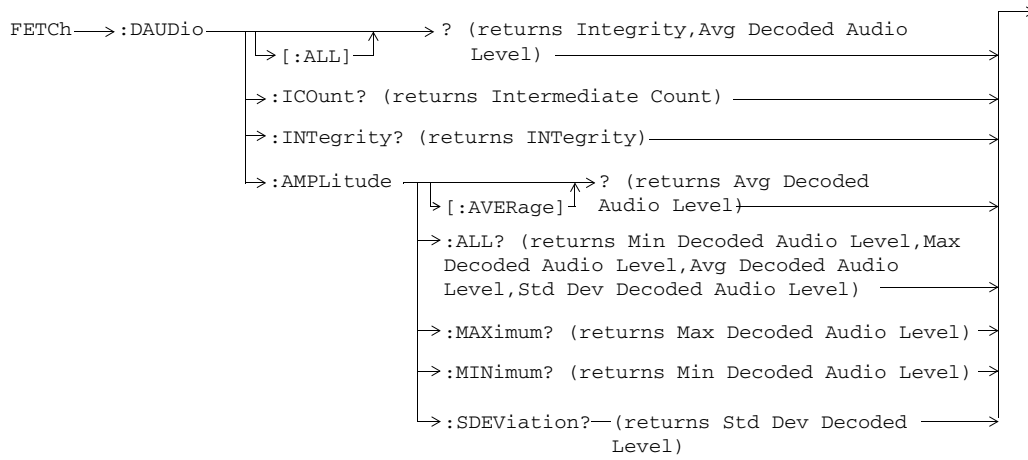


These commands are not applicable to GSM.

<sup>XXX</sup> This command is obsolete.

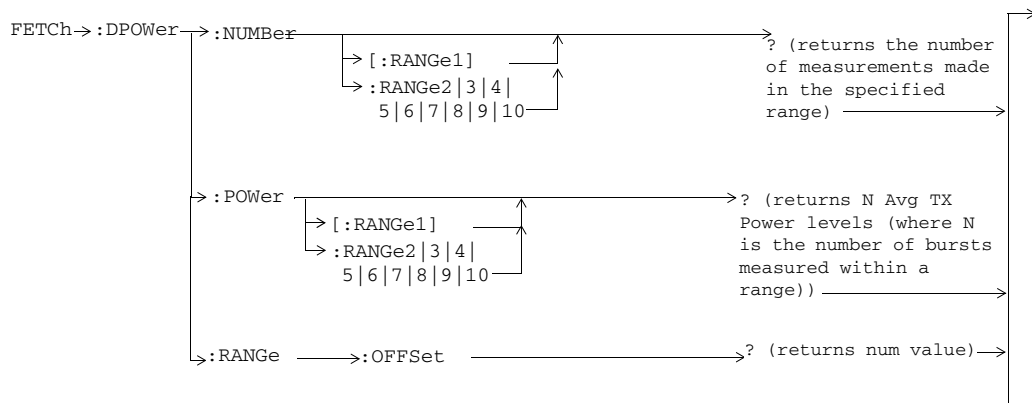
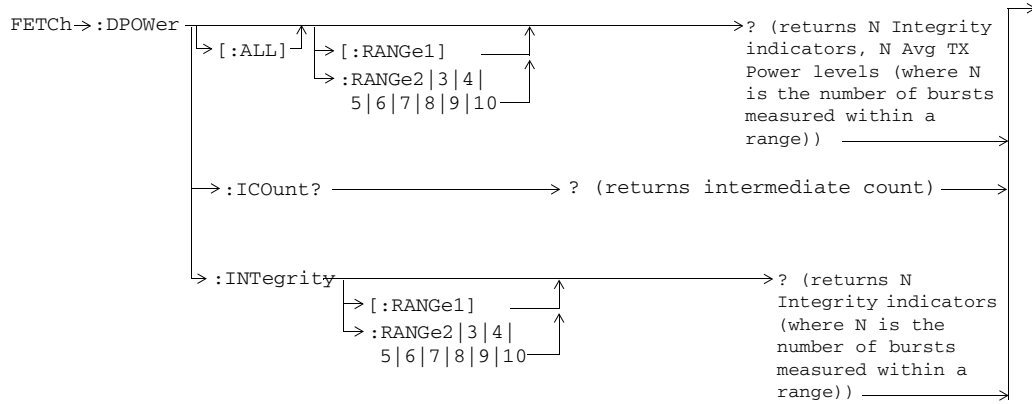
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**

**FEtCh:DAUDio**



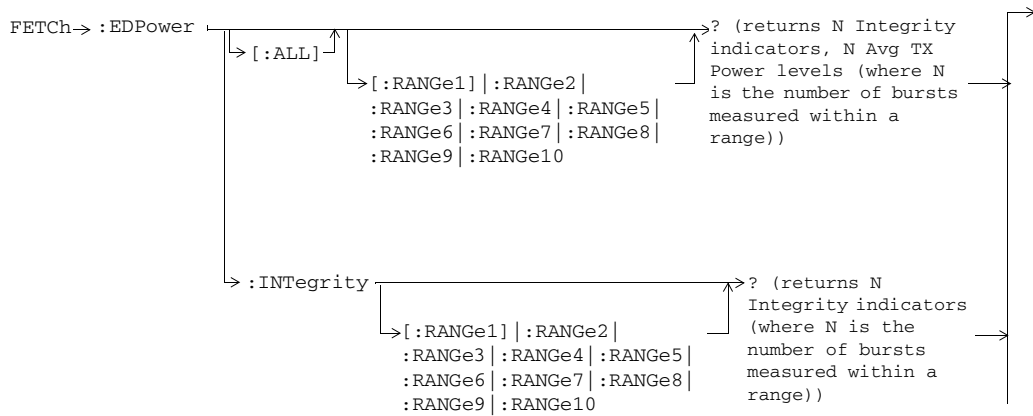
These commands are not applicable to GPRS.

**FETCH:DPOWER**

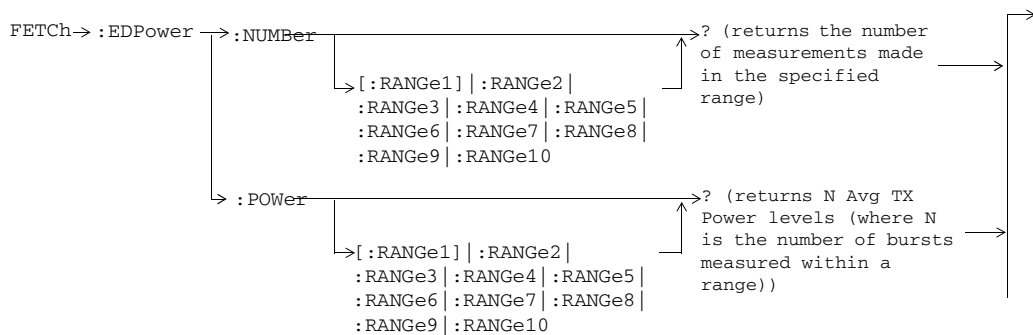


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

**FEtCh:EDPower**

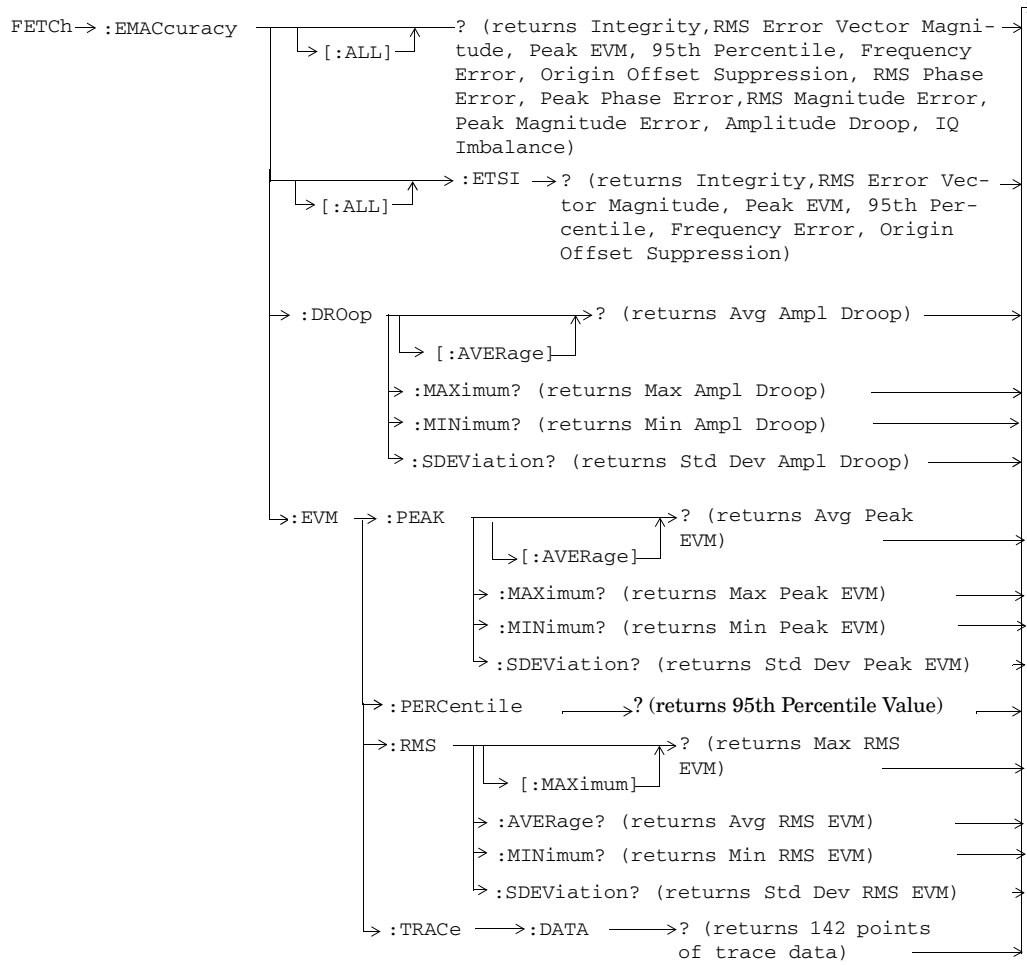


These commands are only applicable to EGPRS.



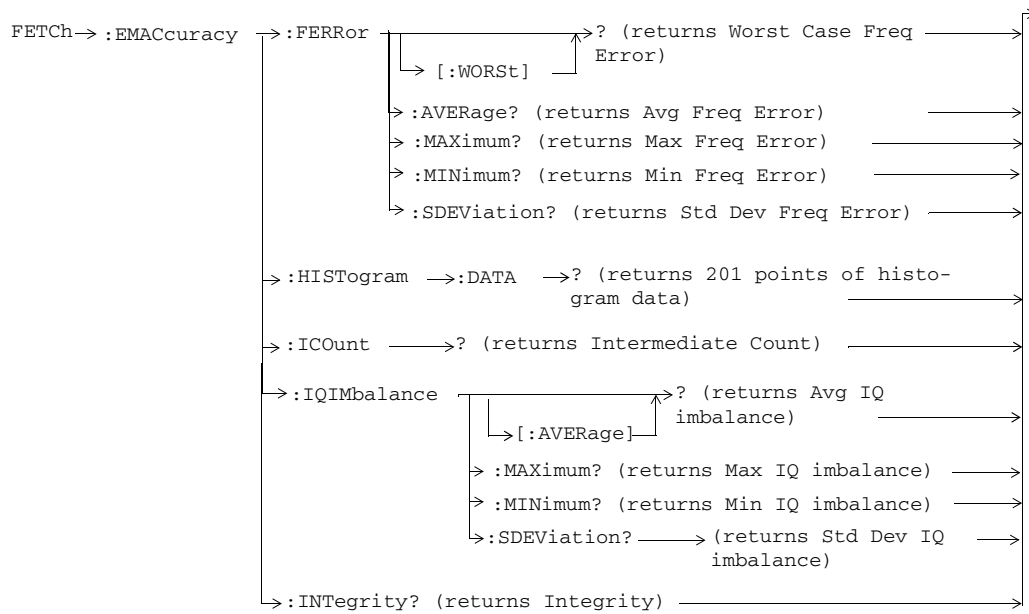
These commands are only applicable to EGPRS.

**FETCH:EMACcuracy**



These commands are only applicable to EGPRS.

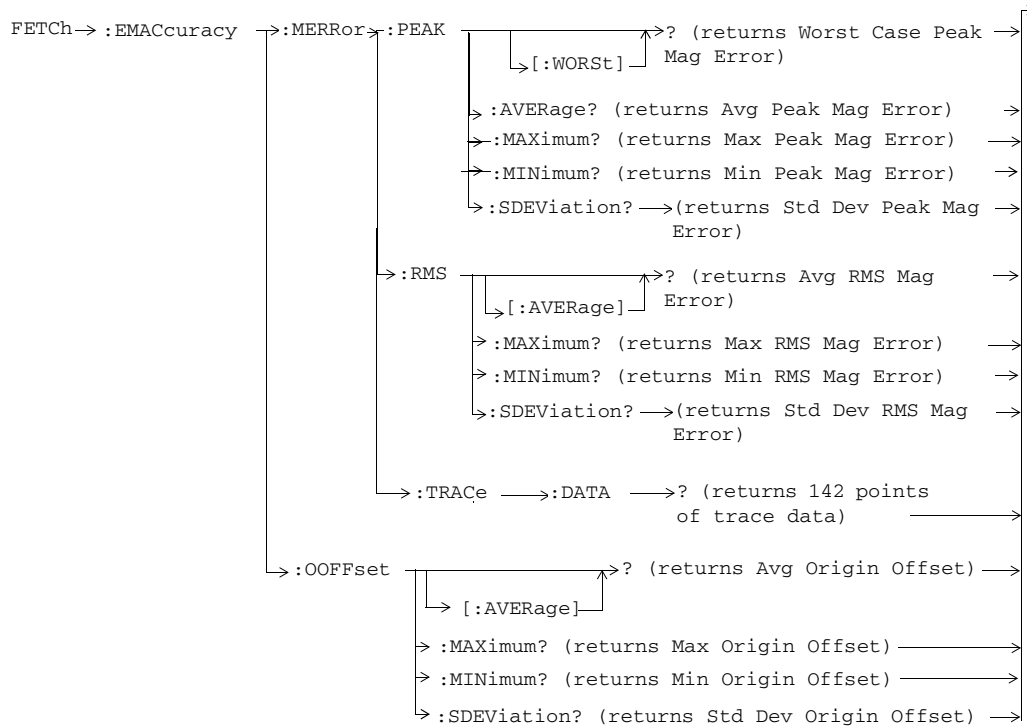
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



These commands are only applicable to EGPRS.

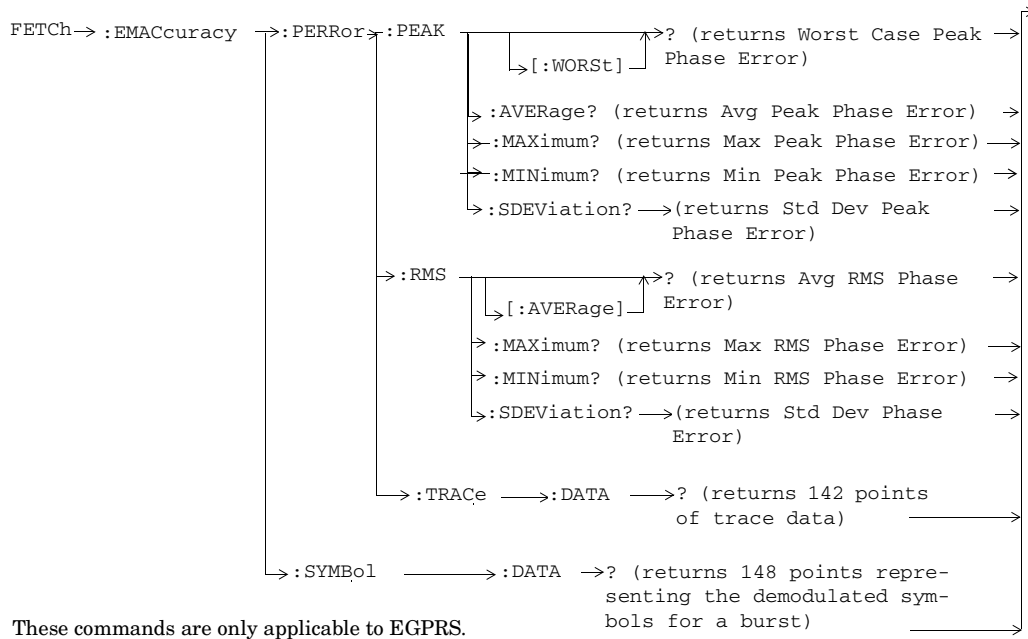


**GPIO Syntax for E1968A, E6701D/E/T, E6704A**

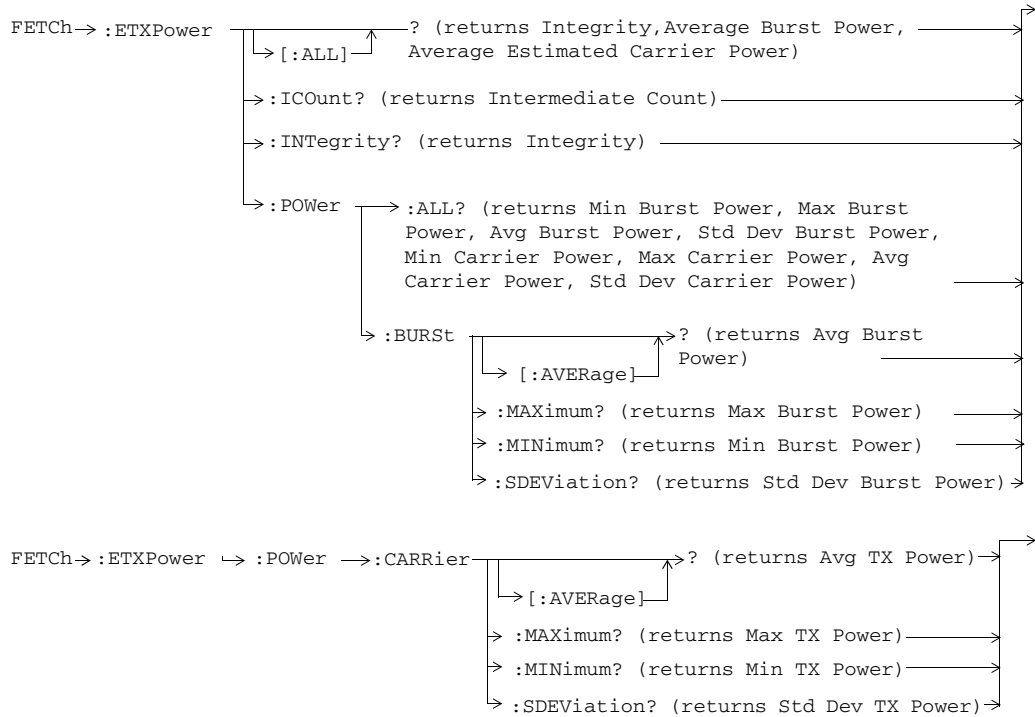


These commands are only applicable to EGPRS.

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

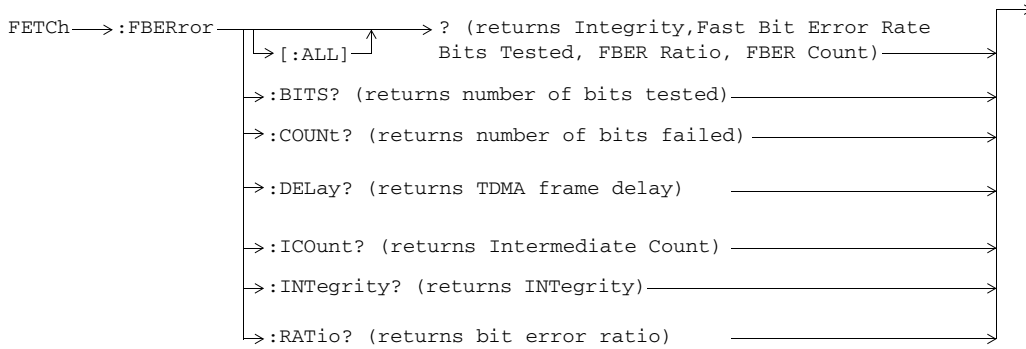


**FETCH:ETXPower**



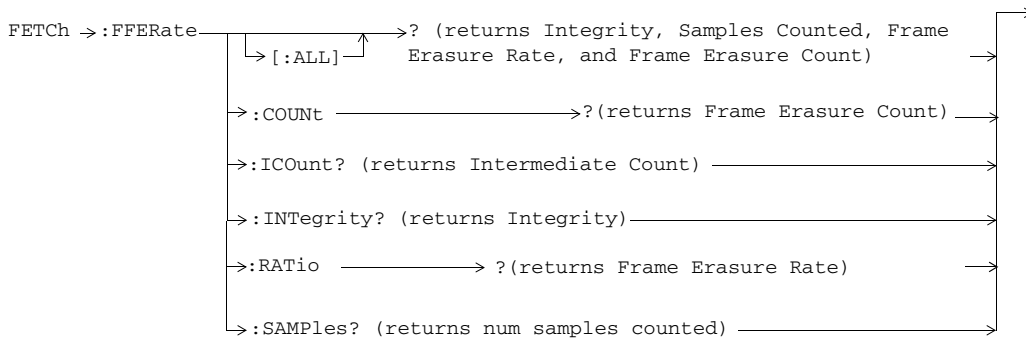
**GPiB Syntax for E1968A, E6701D/E/T, E6704A**

**FEtCh:FBERror**



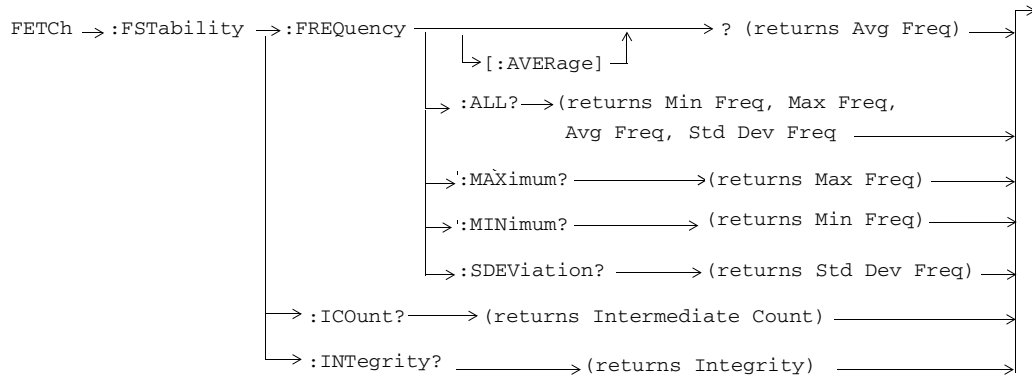
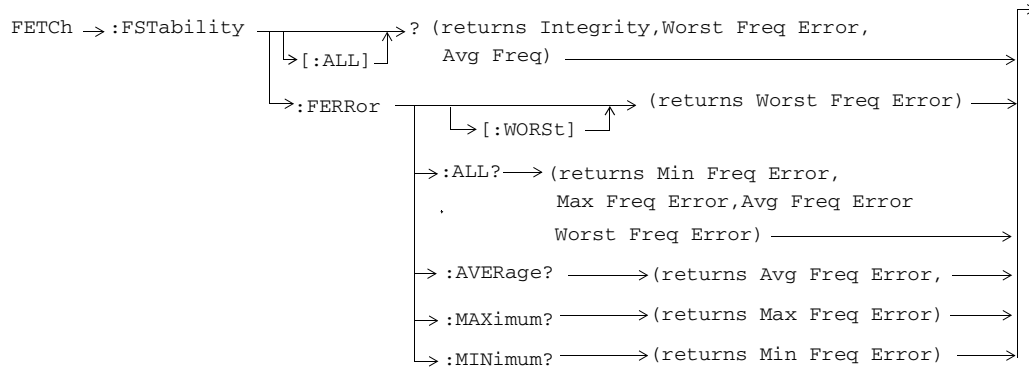
These commands are not applicable to GPRS.

**FEtCh:FFERate**



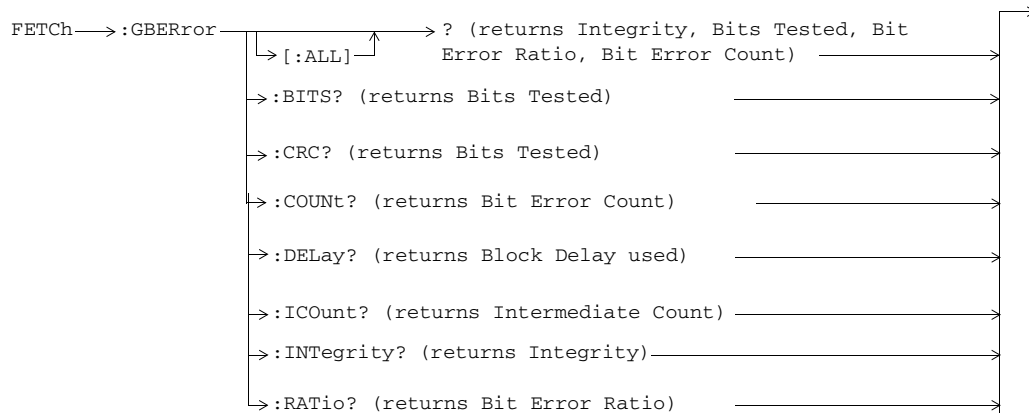
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

**FEtCh:FStability**



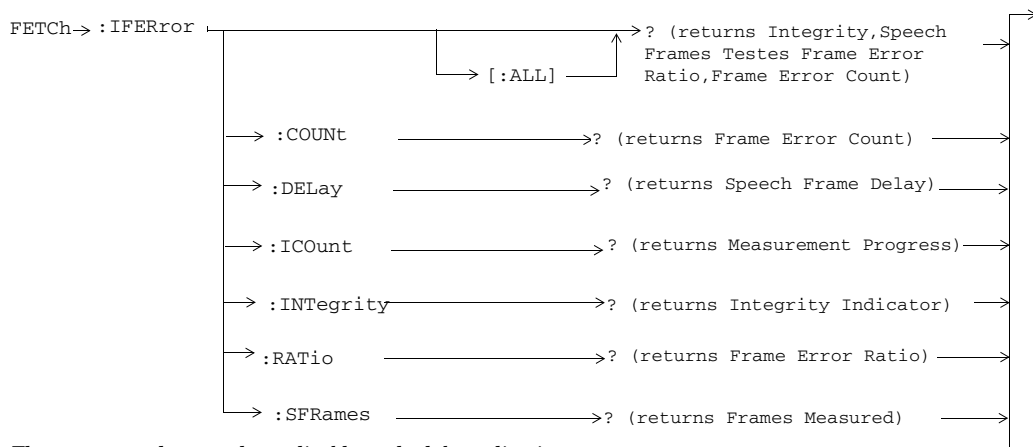
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

**FEtCh:GBERror**



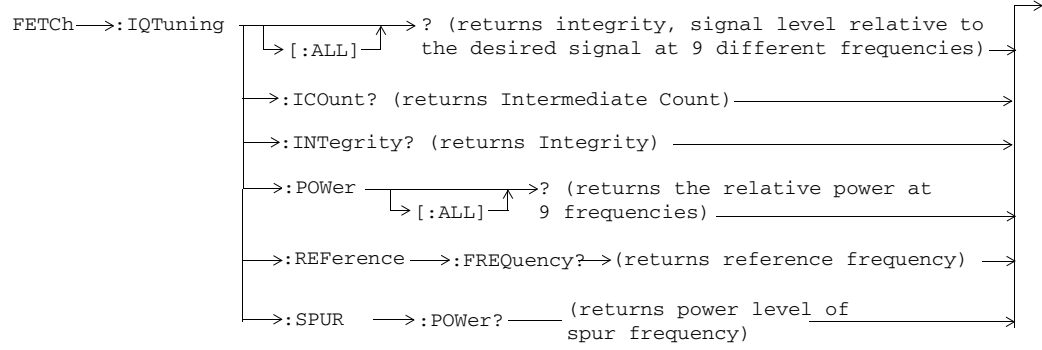
These commands are not applicable to GSM.

**FEtCh:IFERror**

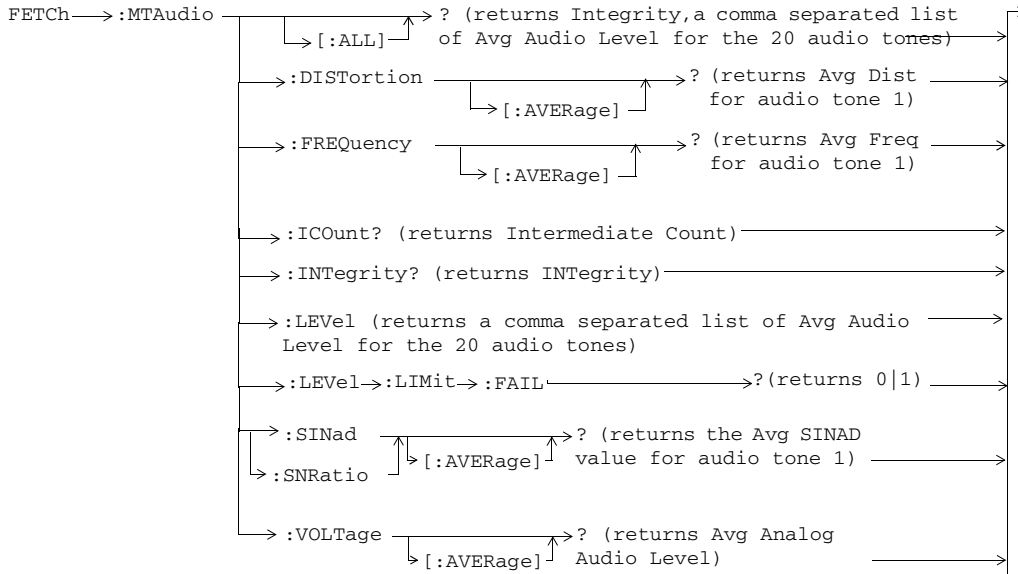


These commands are only applicable to the lab applications.

**FEtCh:IQTuning**

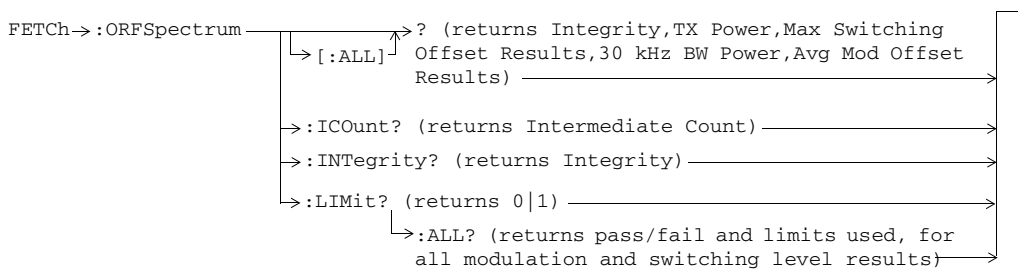


**FETCH:MTAudio**



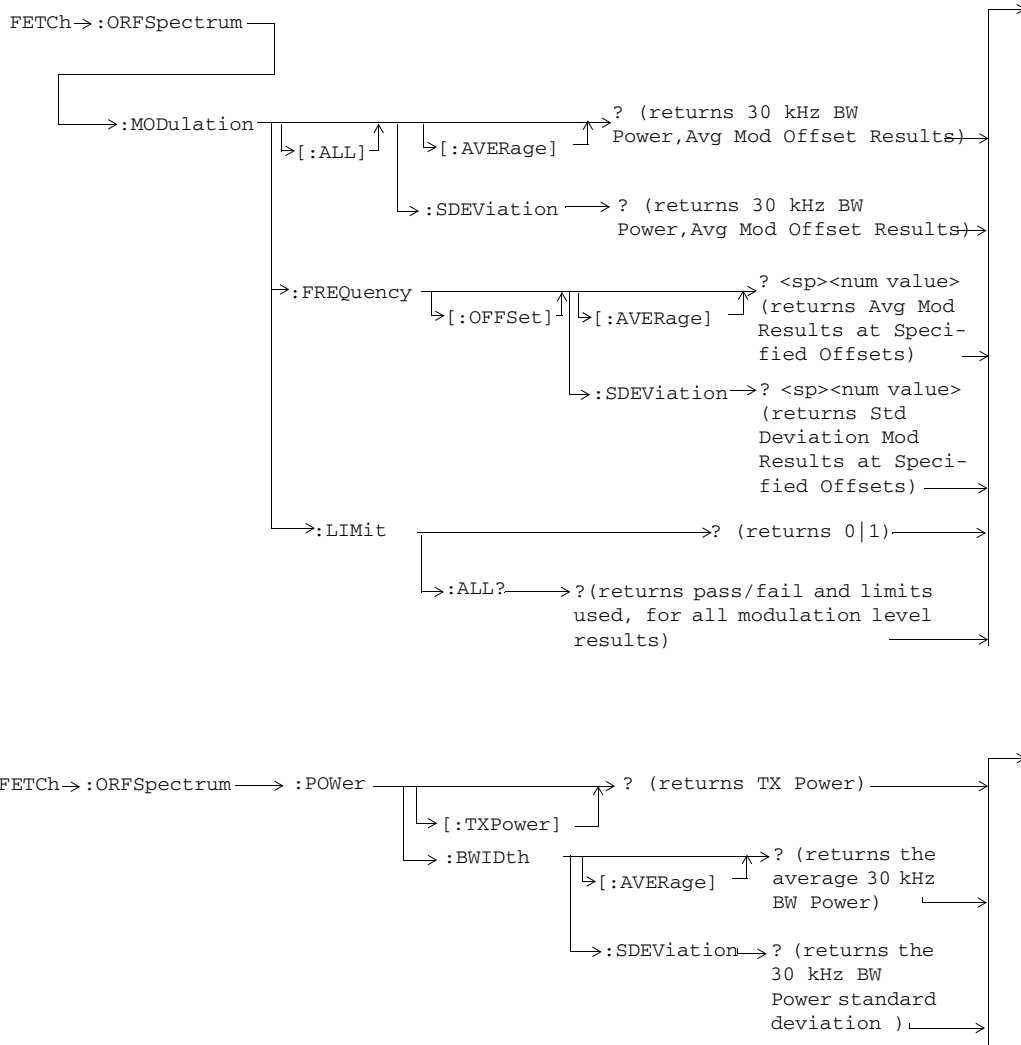
These commands are not applicable to GPRS or EGPRS.

**FETCH:ORFSpectrum**

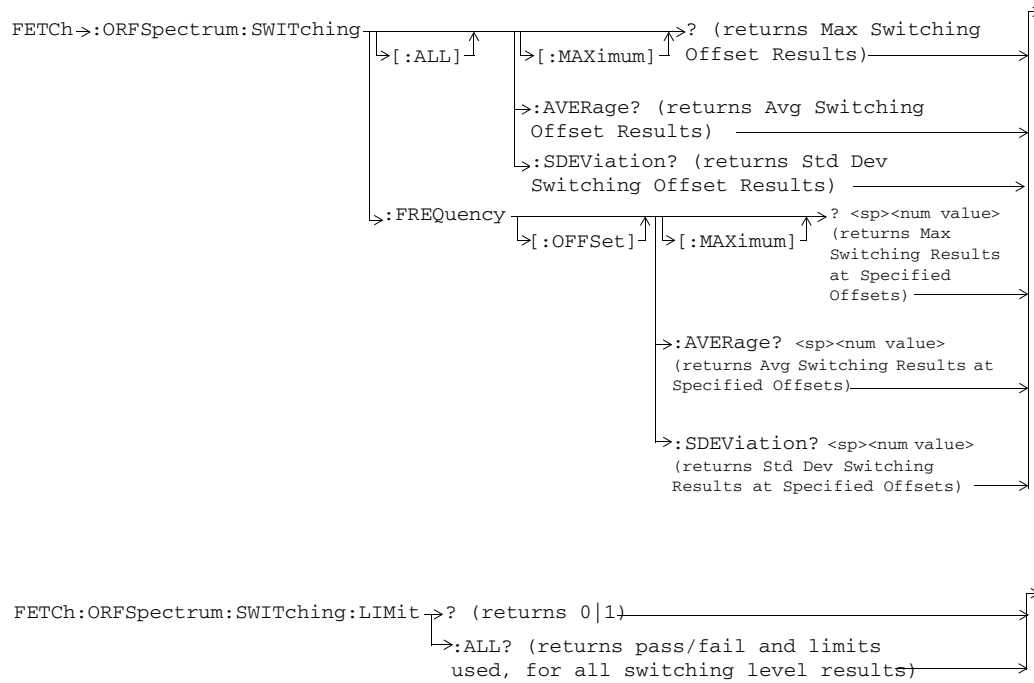




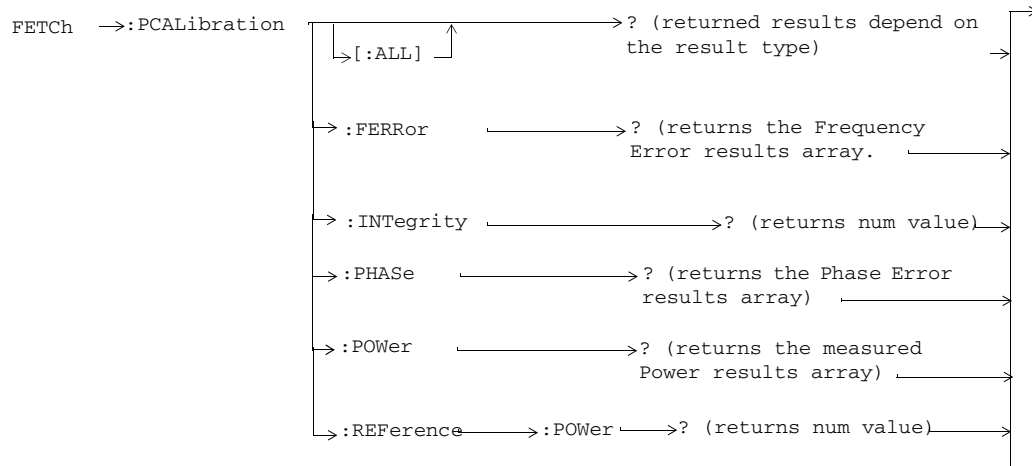
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



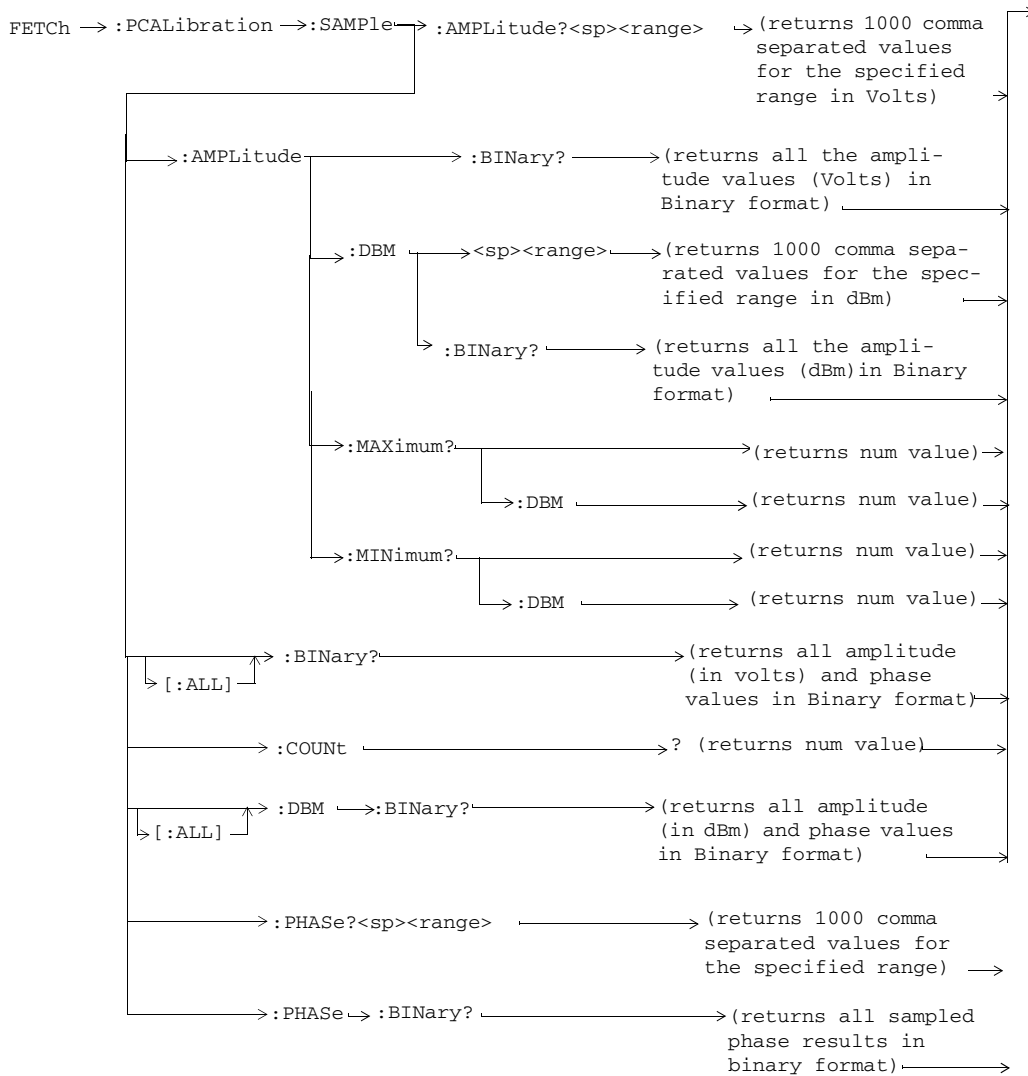
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



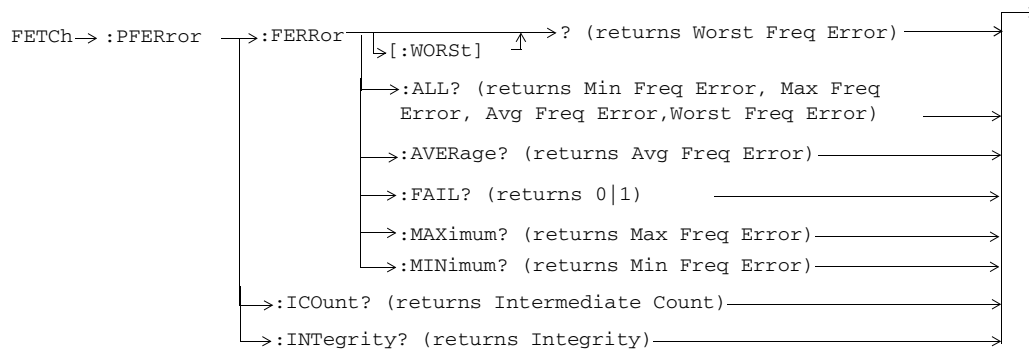
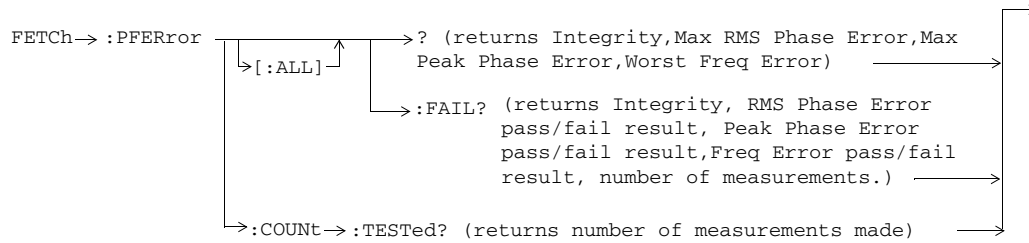
**FEtCh:PCALibration**



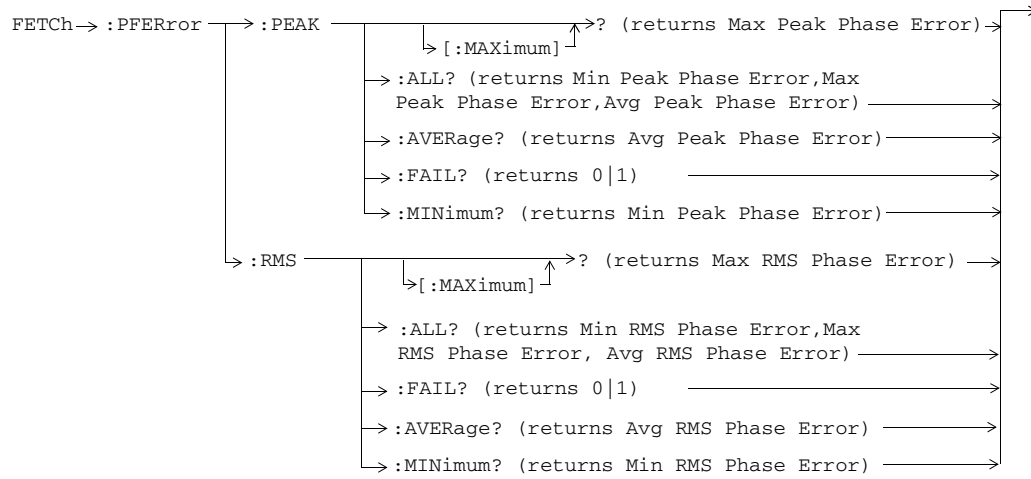
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



**FEtCh:PFERror**

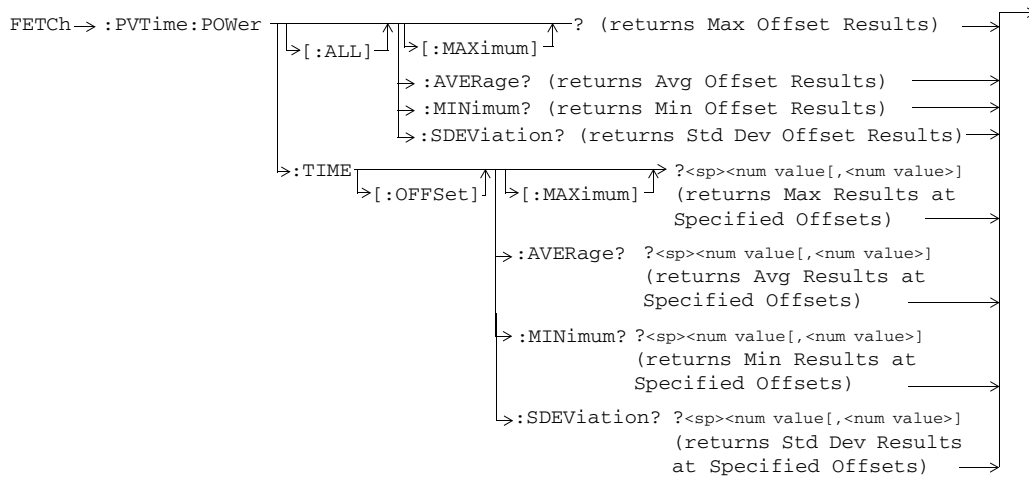


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

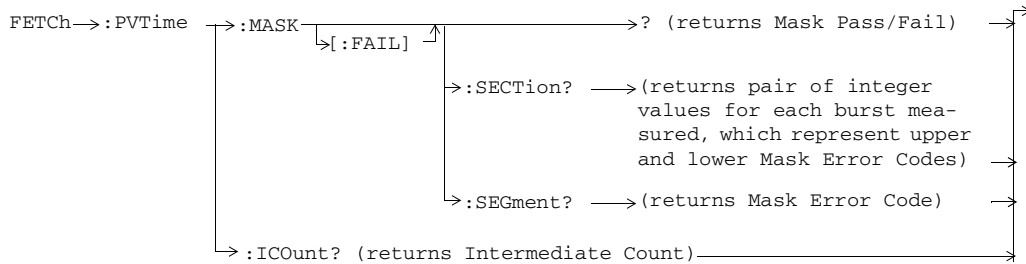




**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

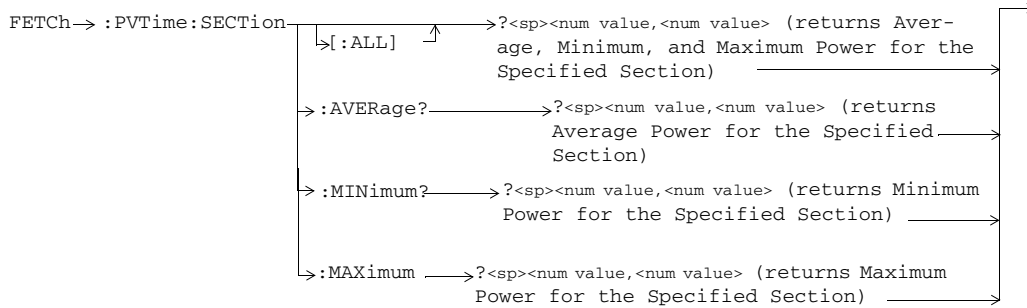


These commands are not applicable to GPRS or EGPRS.

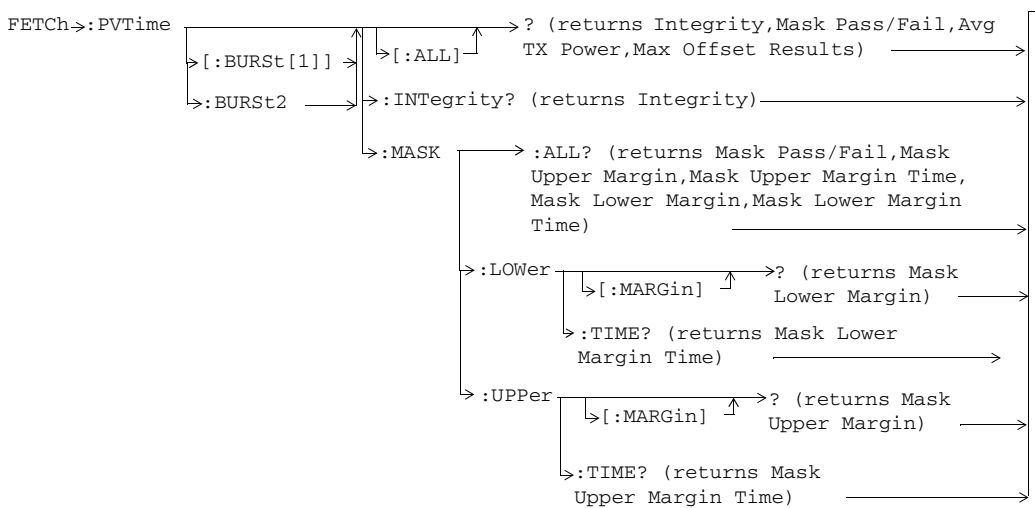




**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

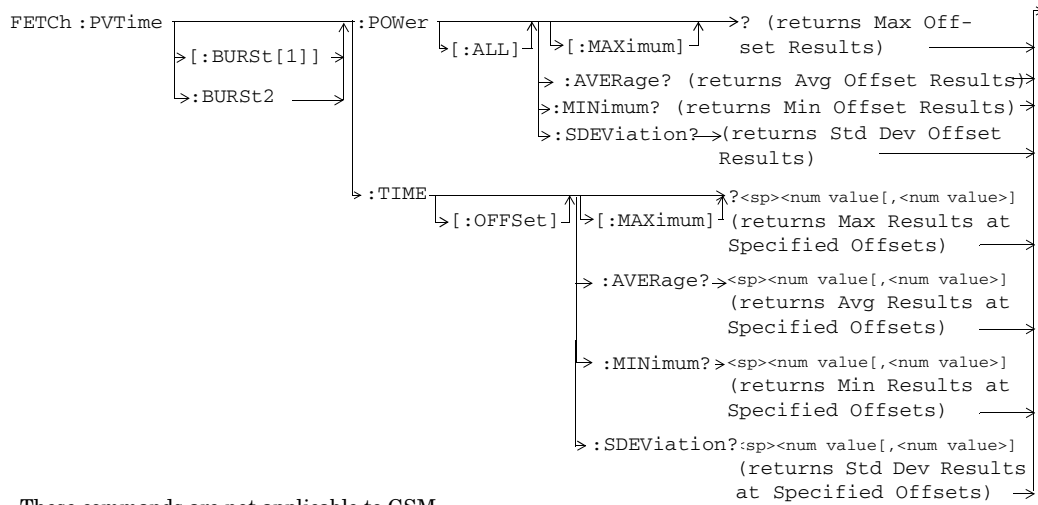


These commands are not applicable to GPRS or EGPRS.

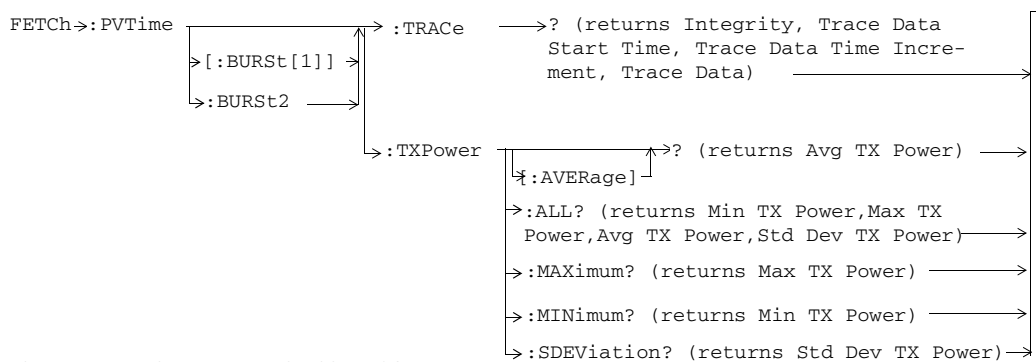


These commands are not applicable to GSM.

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

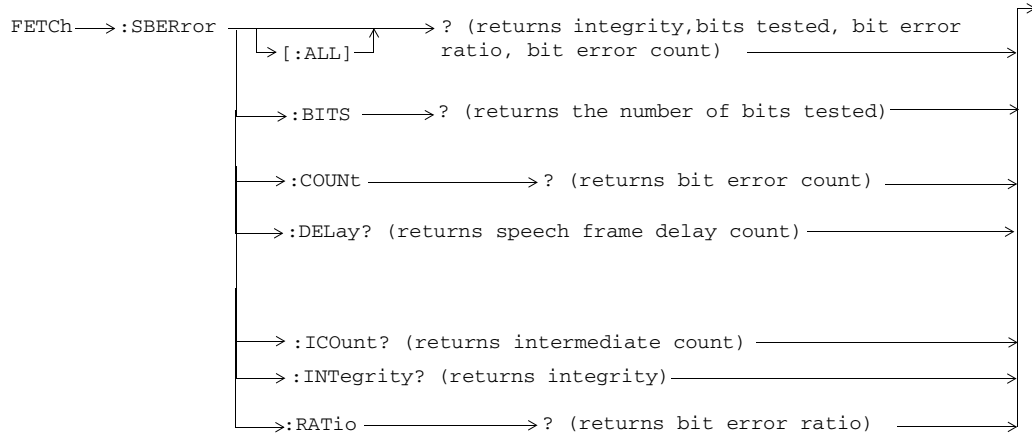


These commands are not applicable to GSM.



These commands are not applicable to GSM.

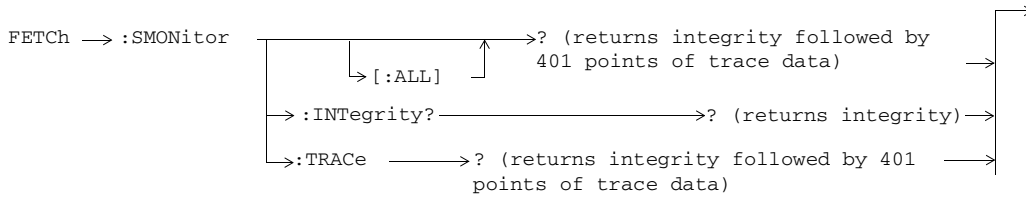
**FEtCh:SBERror**



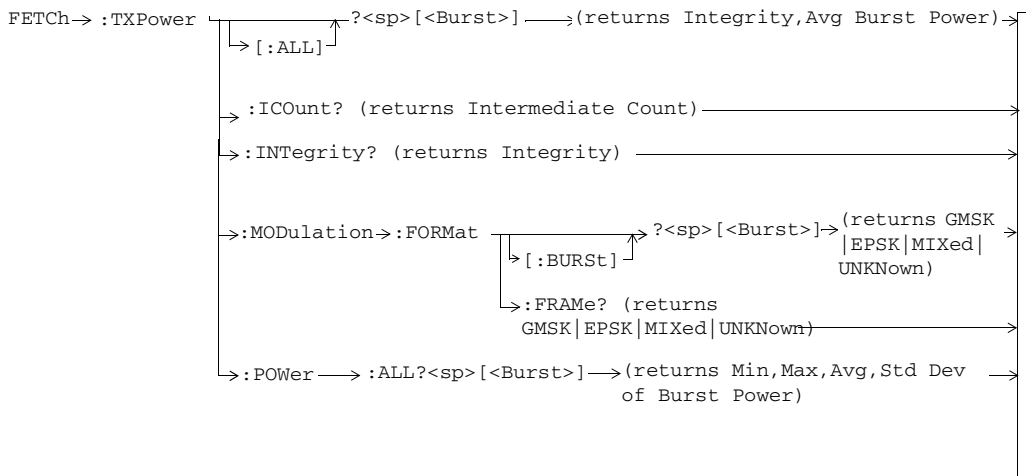
These commands are only applicable to EGPRS.

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

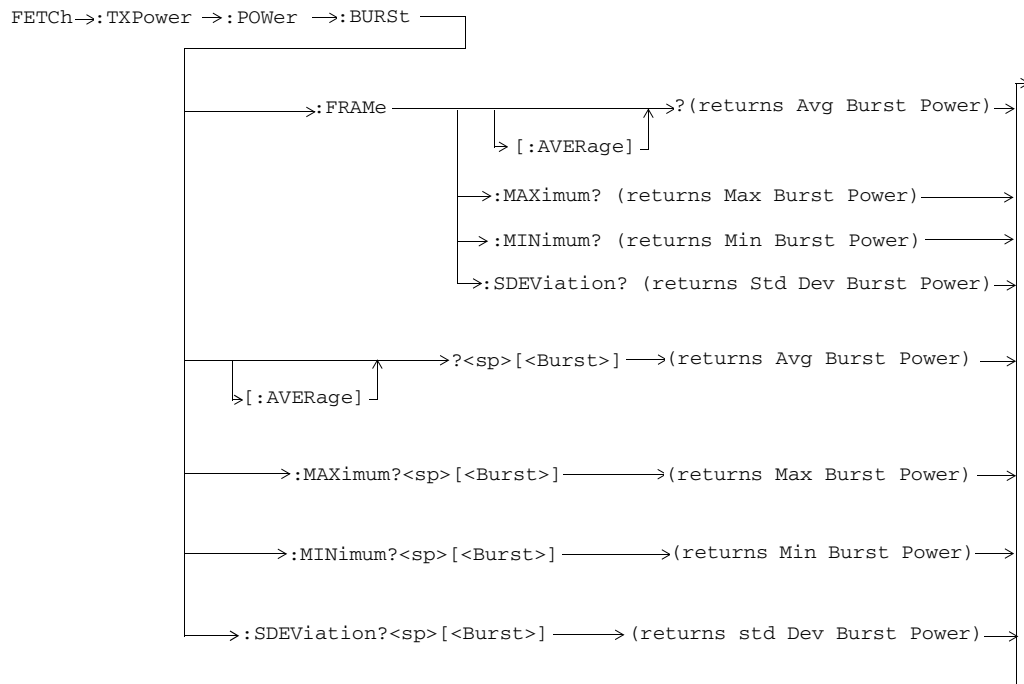
**FETCh:SMONitor**



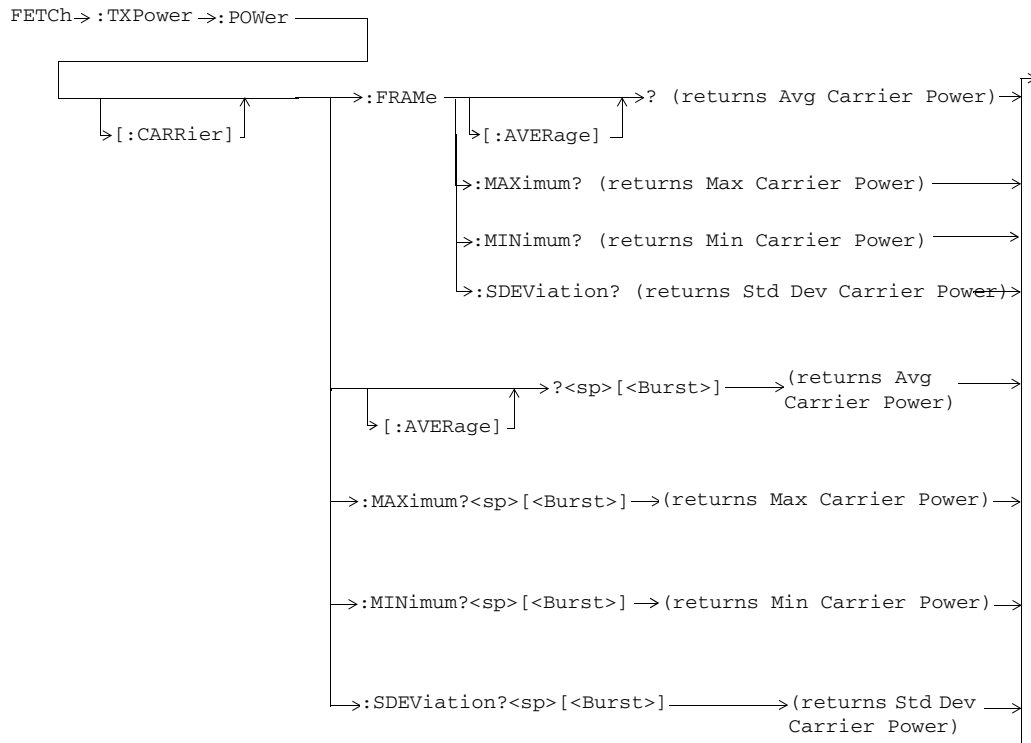
**FETCh:TXPower**



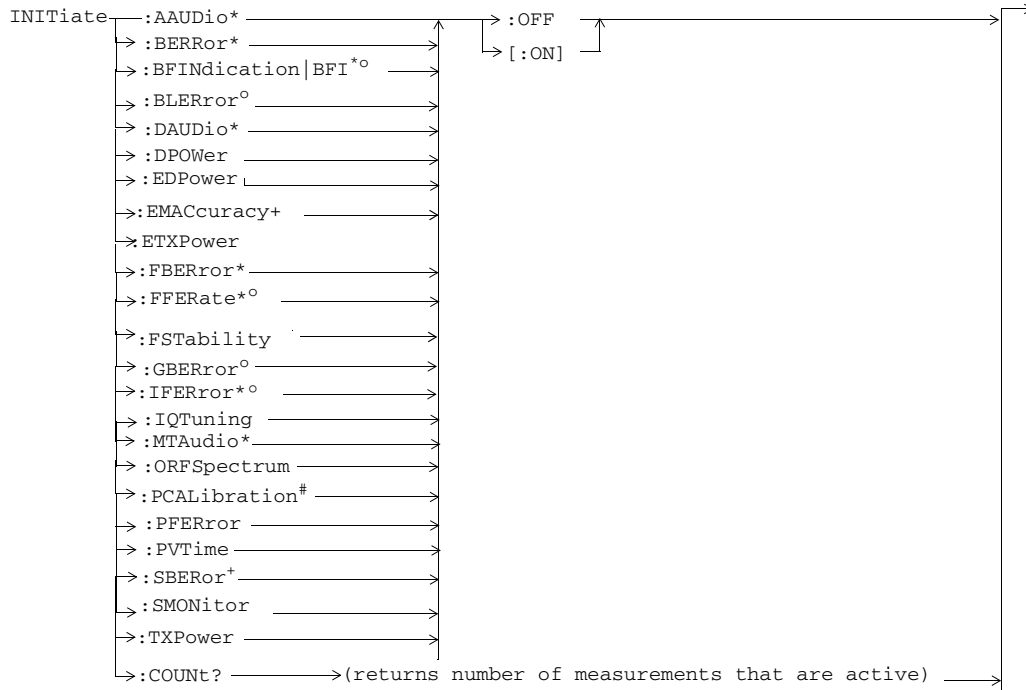
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



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



**INITiate**



\* 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 lab applications and test applications with the required feature license.

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



\* Not applicable to the GPRS test application

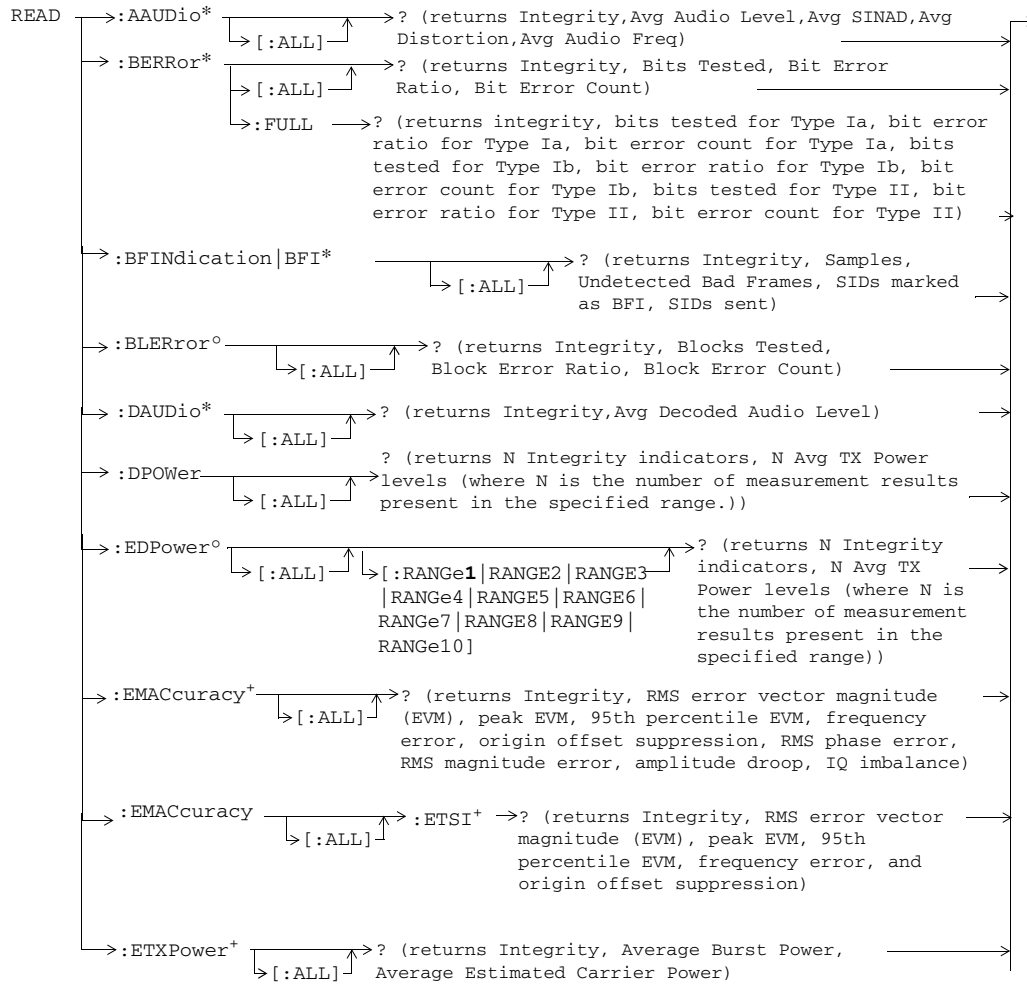
° Not applicable to the GSM test application

+ Only applicable to EGPRS

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



**READ**

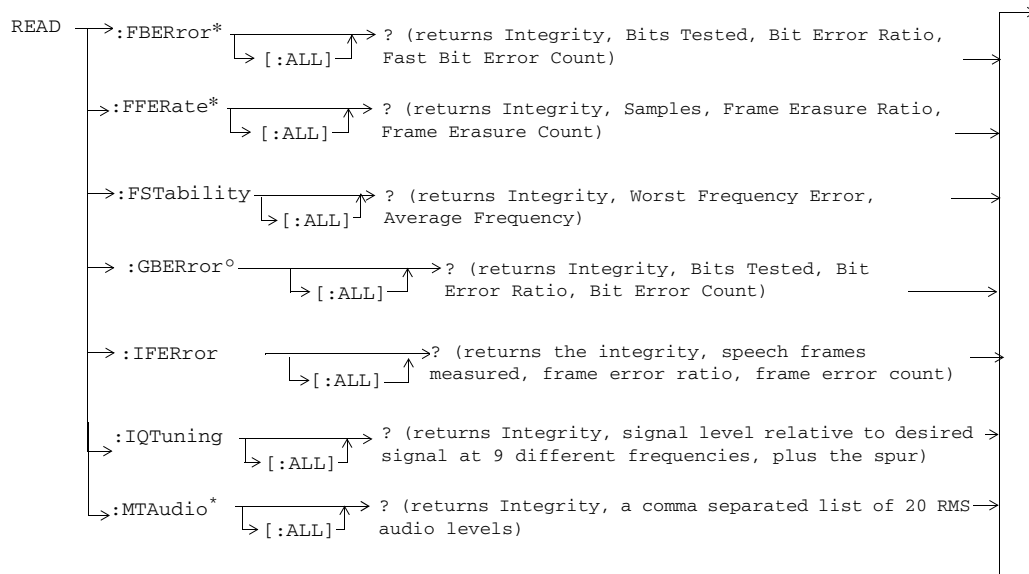


\* These commands are not applicable to GPRS.

° These commands are not applicable to GSM.

+ These command is only applicable to EGPRS.

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

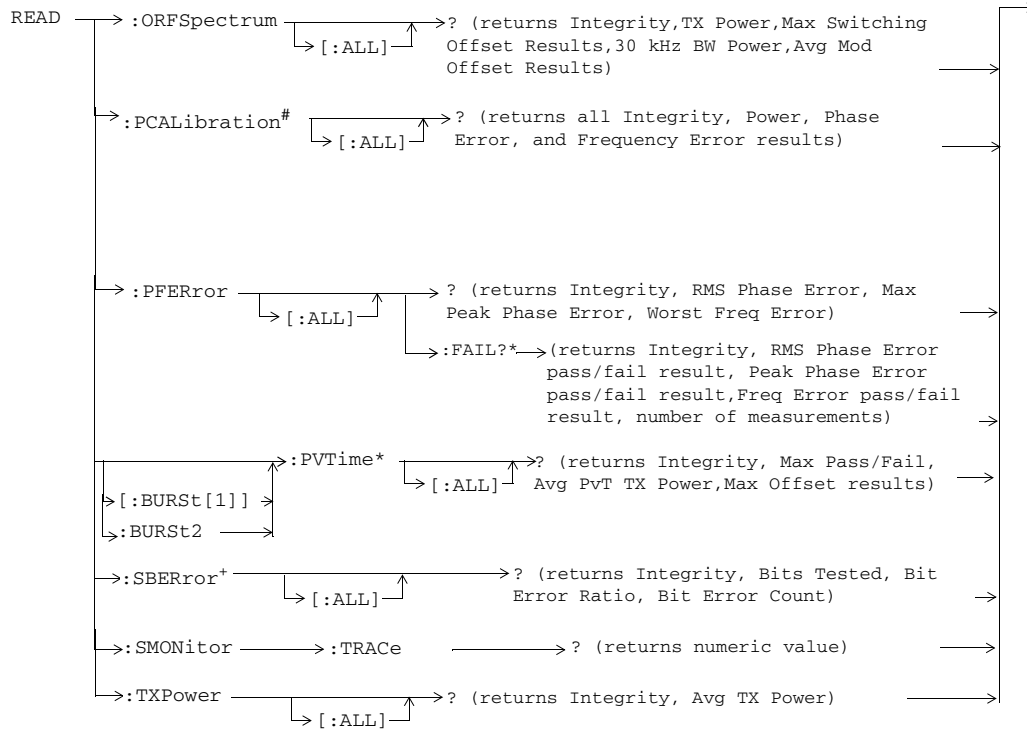


\* These commands are not applicable to GPRS.

<sup>o</sup> These commands are not applicable to GSM.

+ These command is only applicable to EGPRS.

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



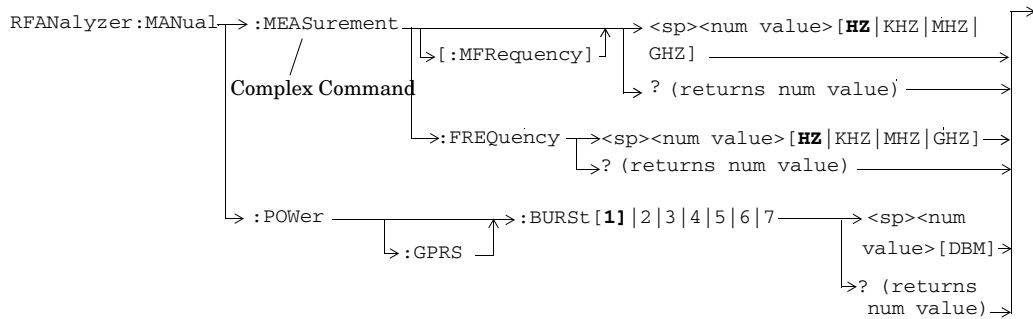
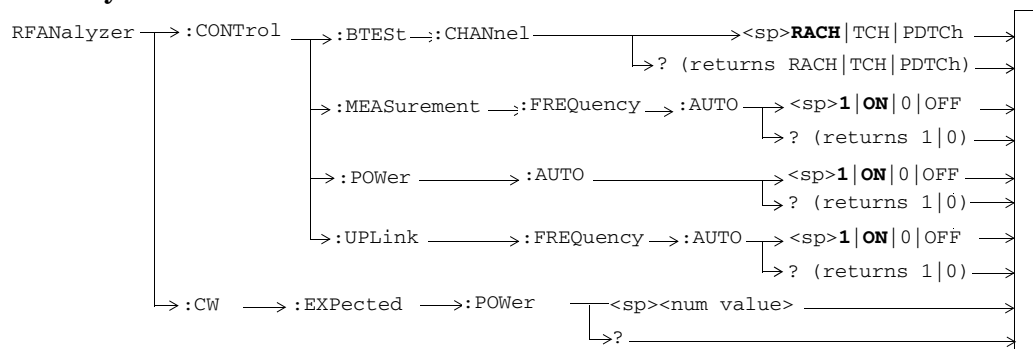
\* These commands are not applicable to GSM.

+ These command is only applicable to EGPRS.

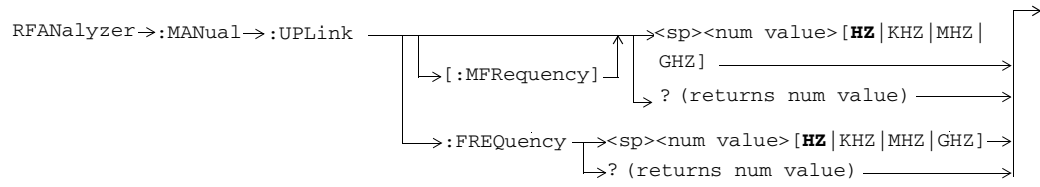
# This command is only applicable to the GSM/GPRS/EGPRS lab applications and test applications with the required feature license

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

**RFAnalyzer**

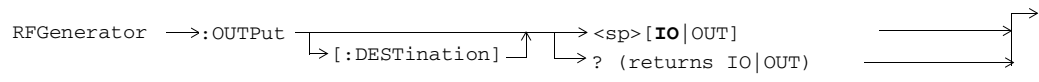


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

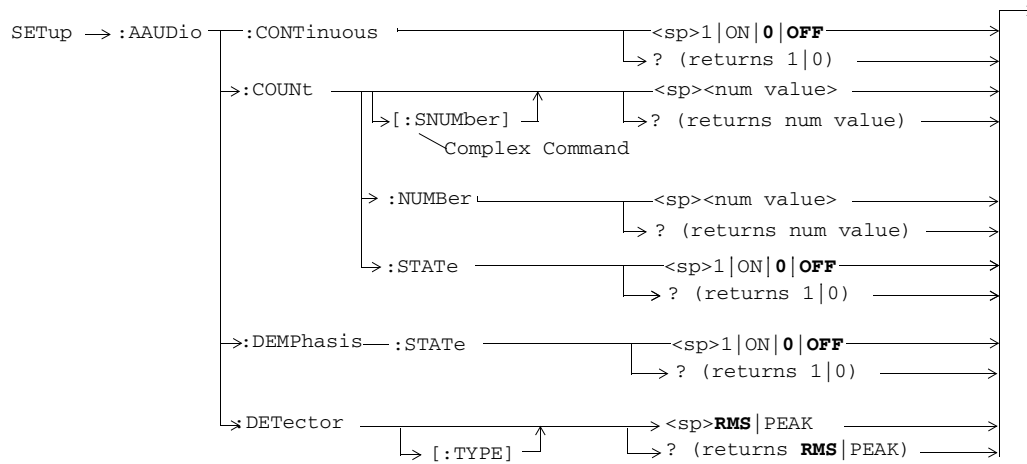


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

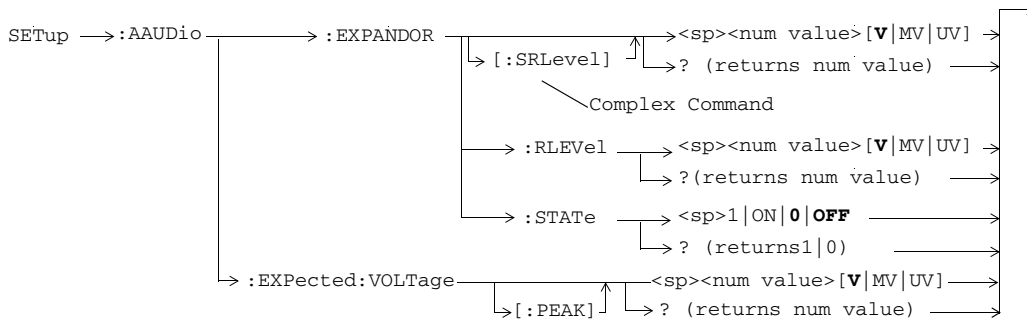
**RFGenerator:OUTPut**



**SETup:AAudio**

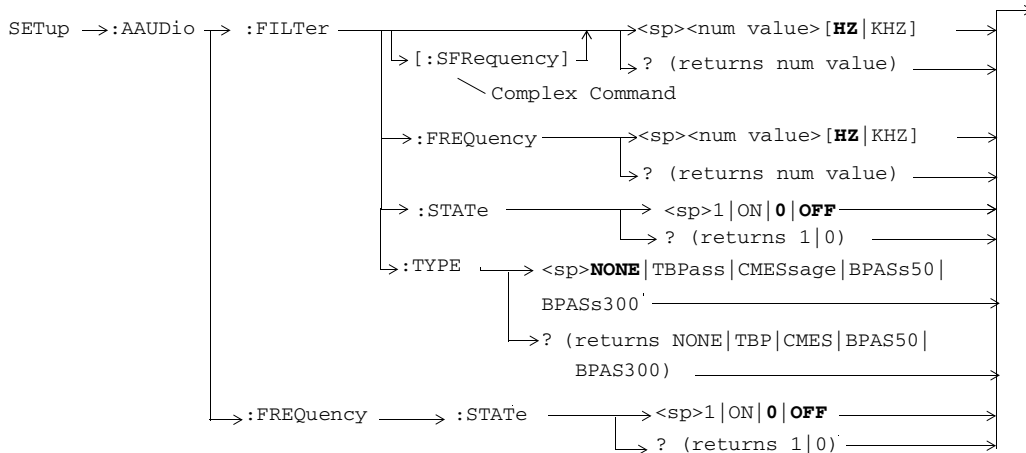


These commands are not applicable to GPRS.

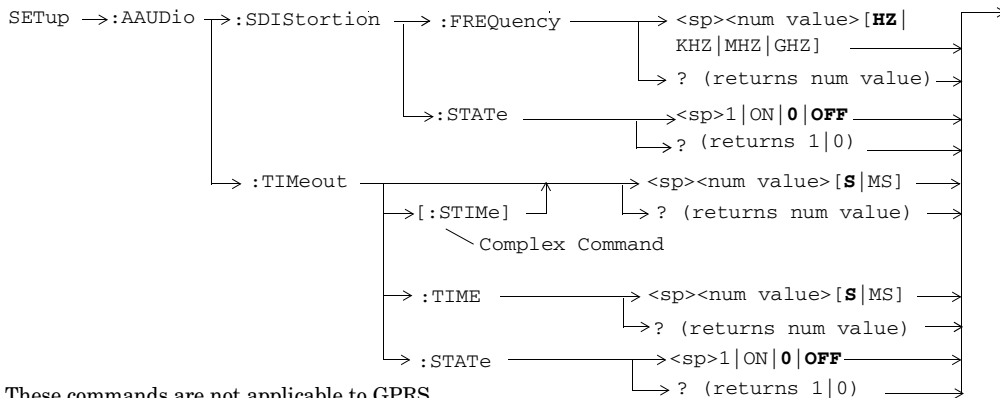


These commands are not applicable to GPRS.

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



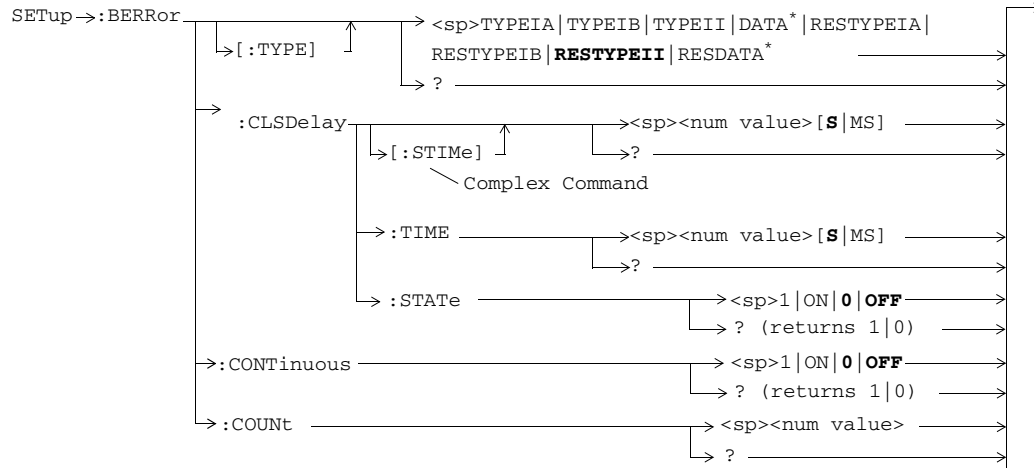
These commands are not applicable to GPRS.



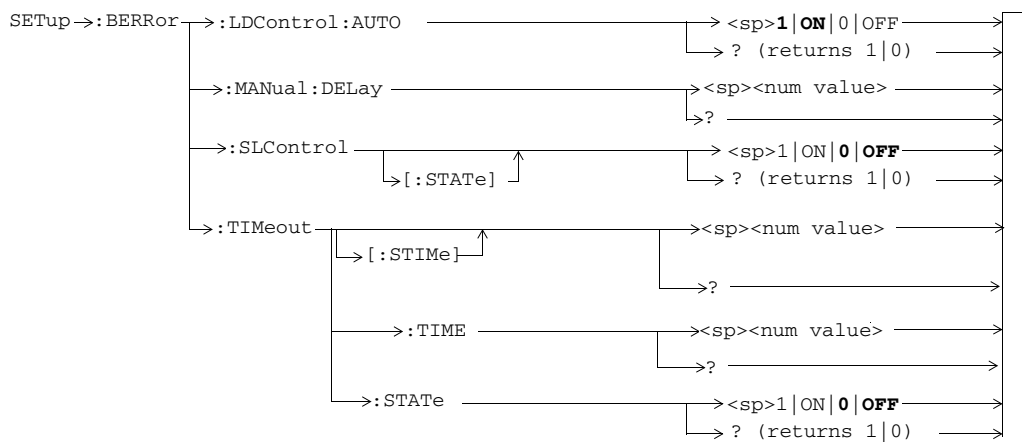
These commands are not applicable to GPRS.



**SETup:BERRor**

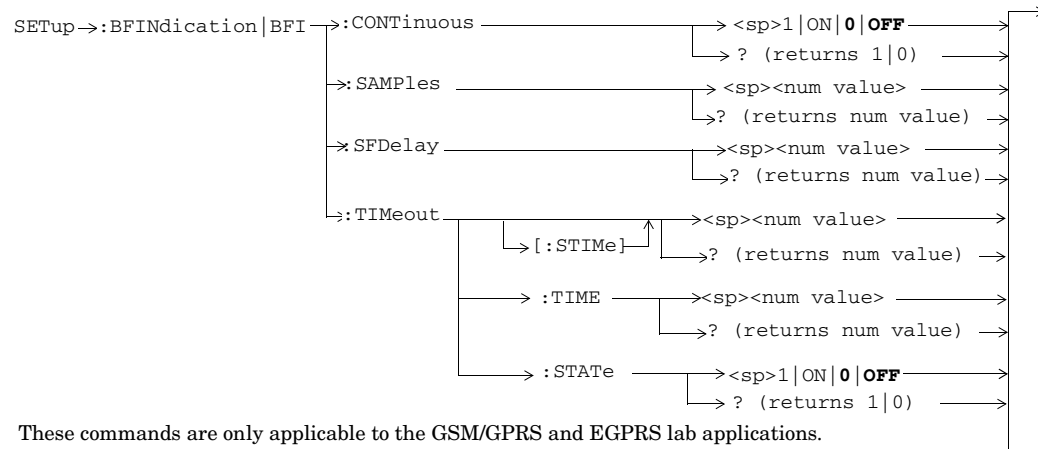


These commands are not applicable to GPRS.  
 \*These commands are only applicable to the lab applications.



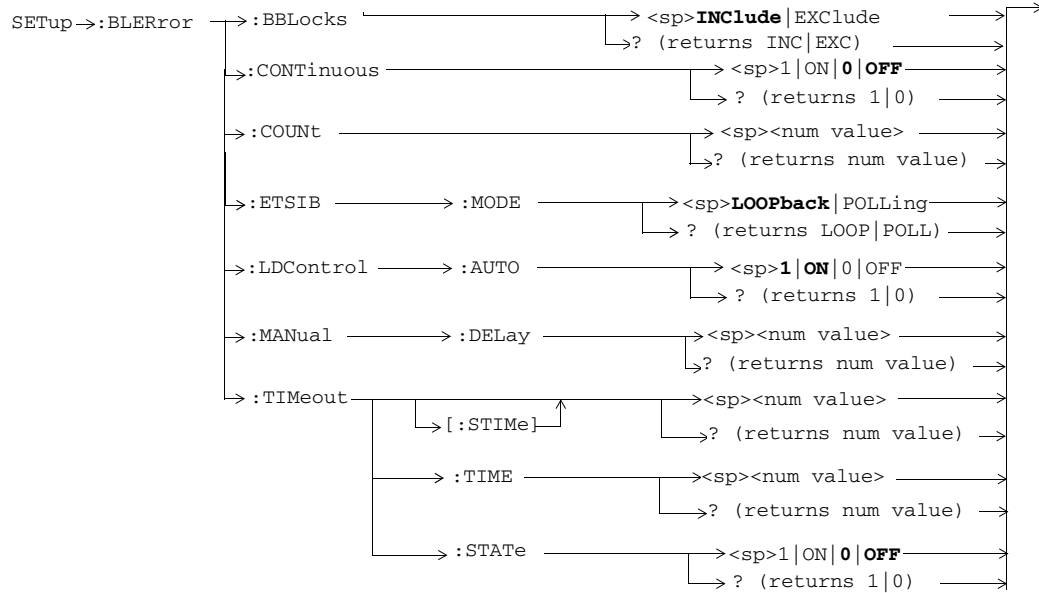
These commands are not applicable to GPRS.

**SETup:<BFINdication|BFI>**



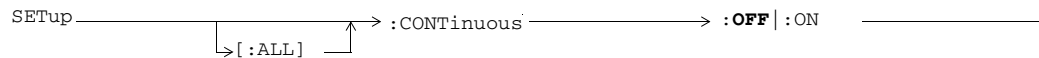
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

**SETup:BLERror**



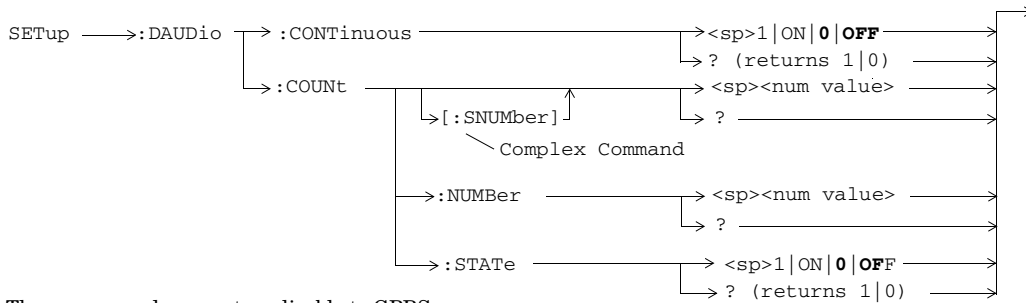
These commands are not applicable to GSM.

**SETup:CONTInuous**

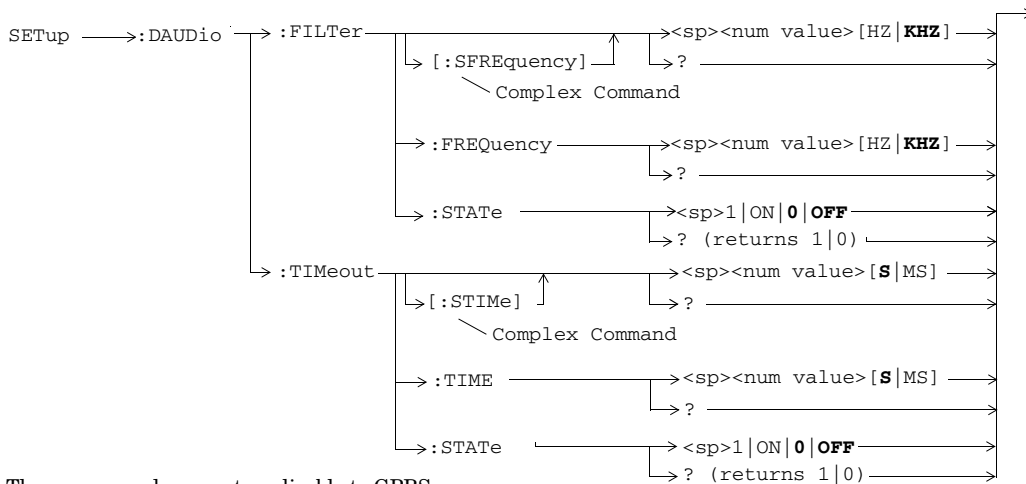


**GPiB Syntax for E1968A, E6701D/E/T, E6704A**

**SETup:DAUDio**

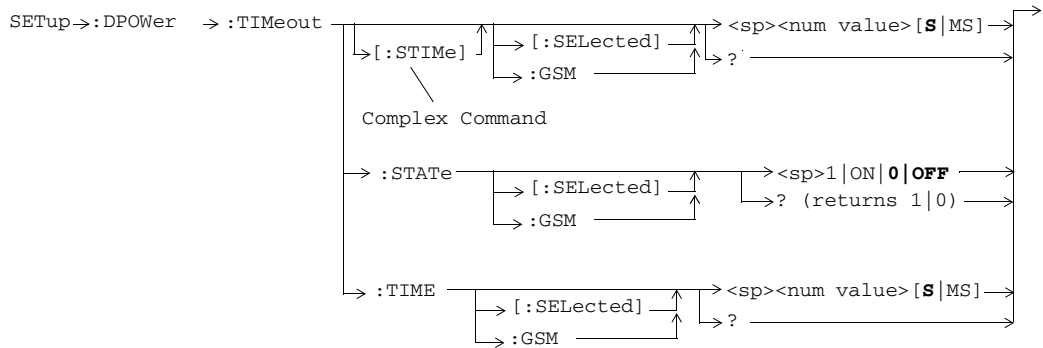
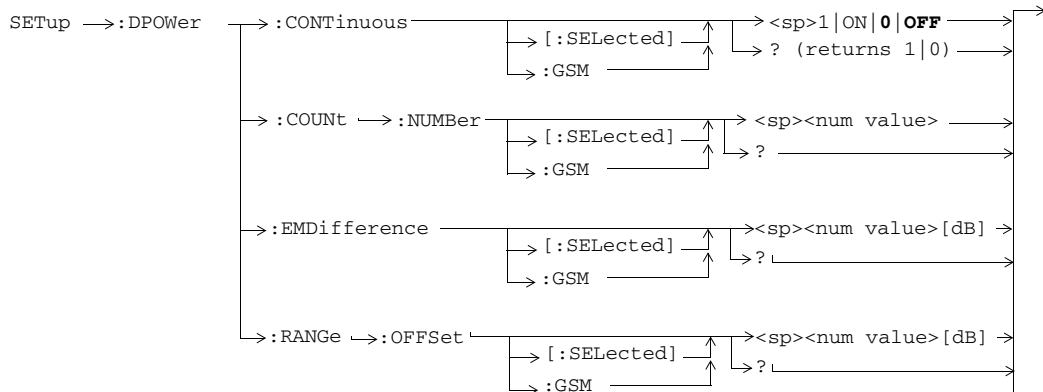


These commands are not applicable to GPRS.

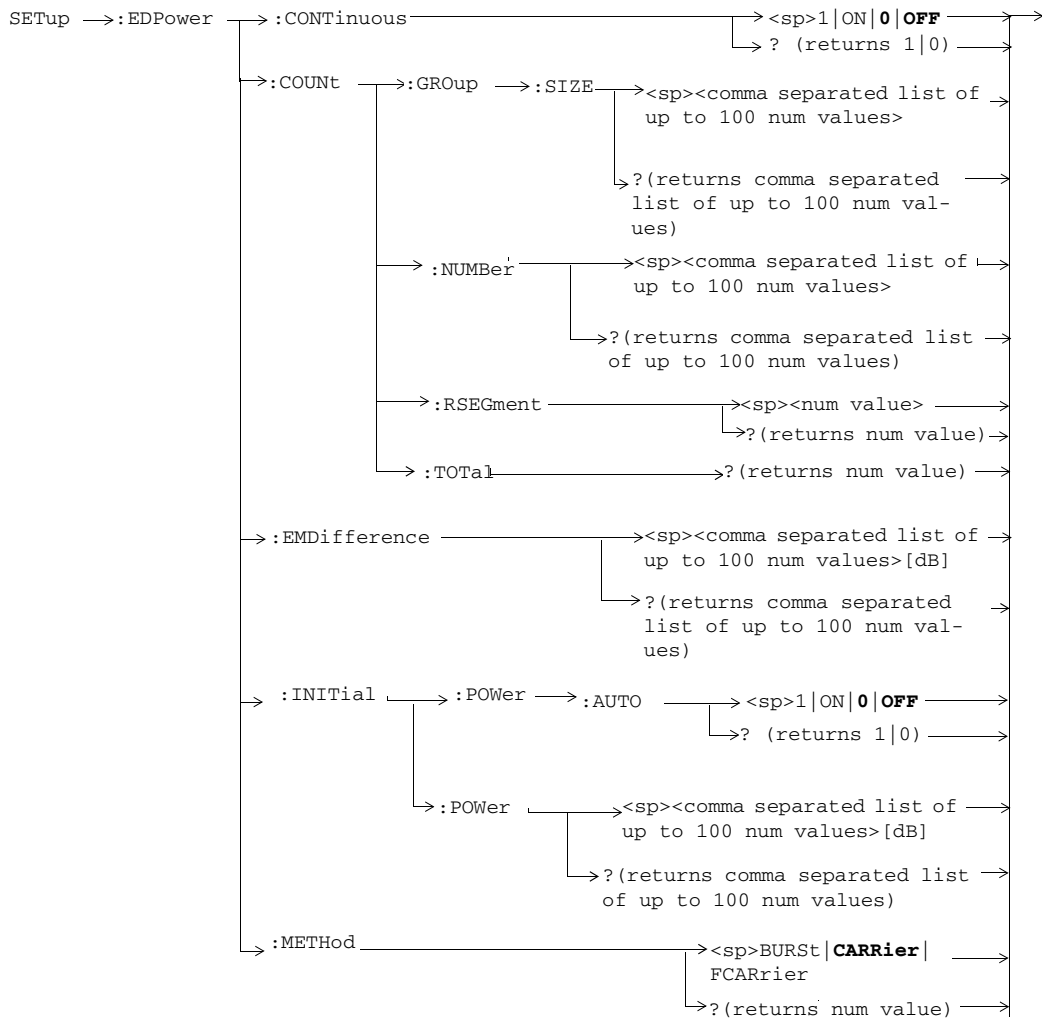


These commands are not applicable to GPRS.

**SETup:DPOWER**

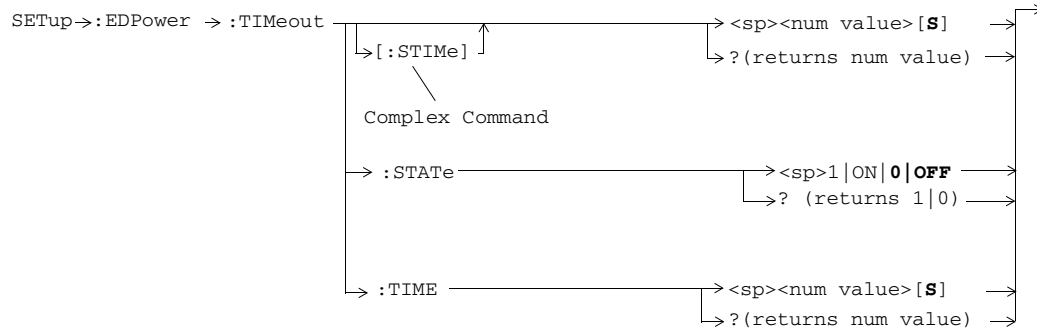


**SETup:EDPower**



These commands are only applicable to EGPRS.

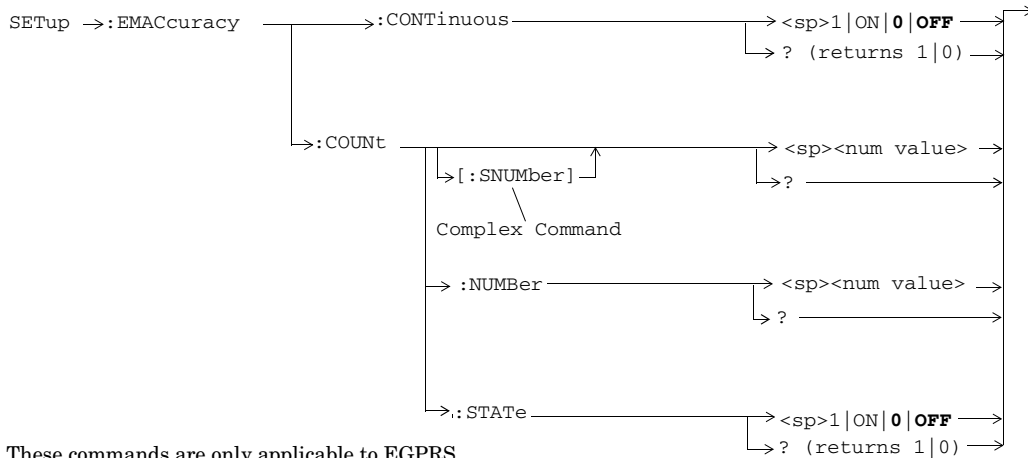
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



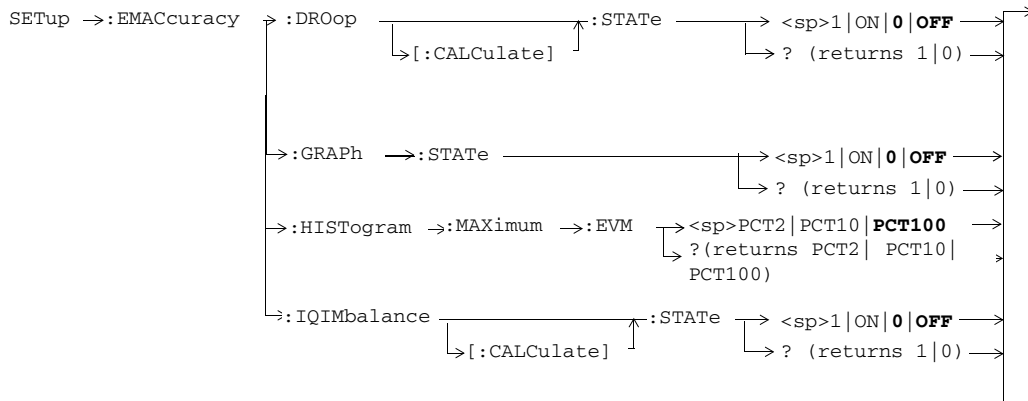
These commands are only applicable to EGPRS.

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

**SETup:EMACcuracy**



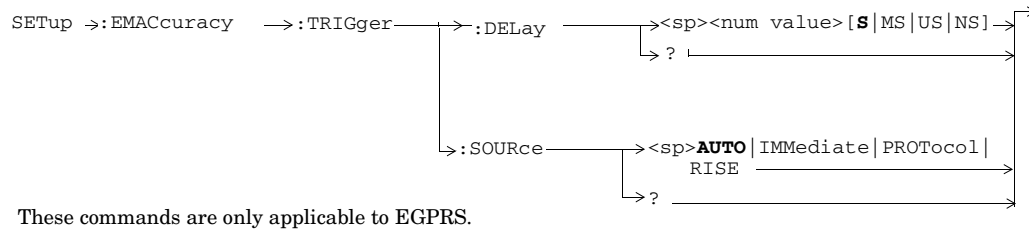
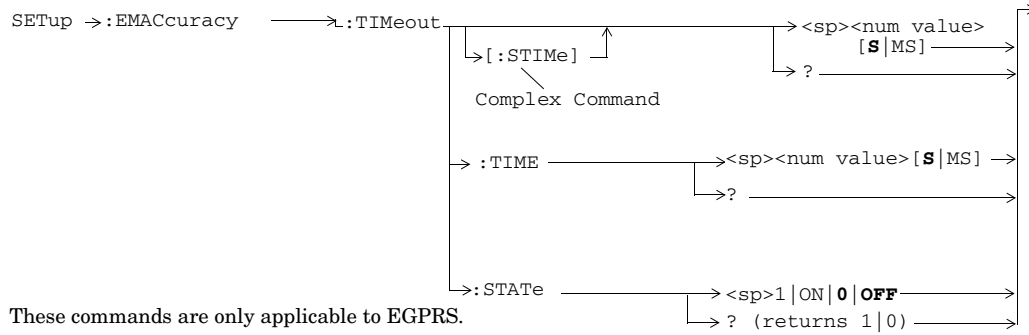
These commands are only applicable to EGPRS.



This command is only applicable to EGPRS.

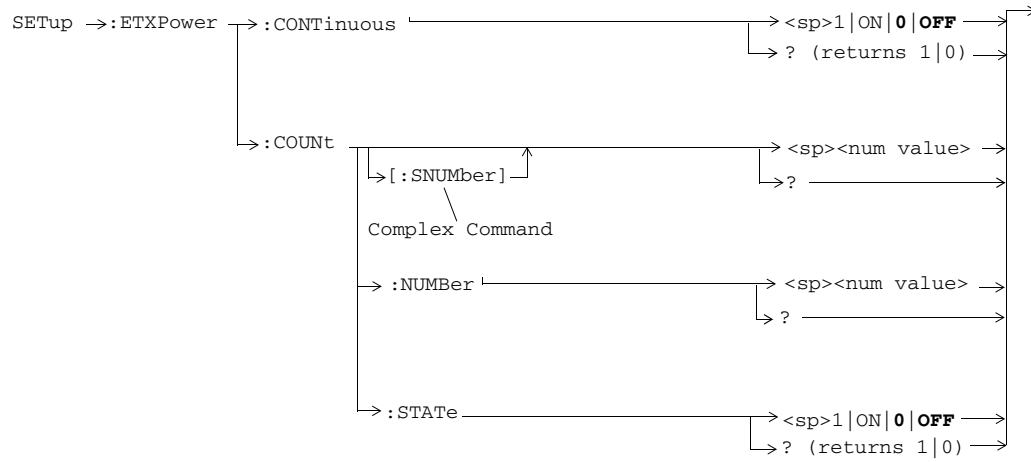


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

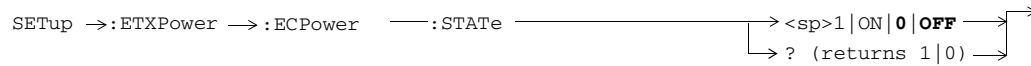


**GPiB Syntax for E1968A, E6701D/E/T, E6704A**

**SETup:ETXPower**

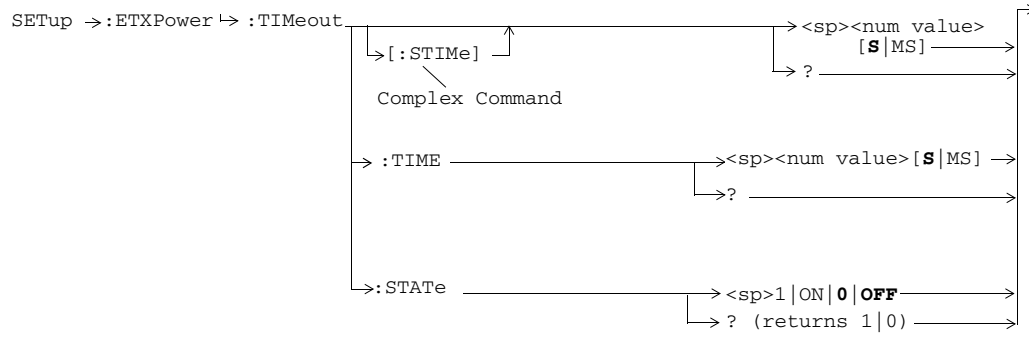


These commands are only applicable to EGPRS.



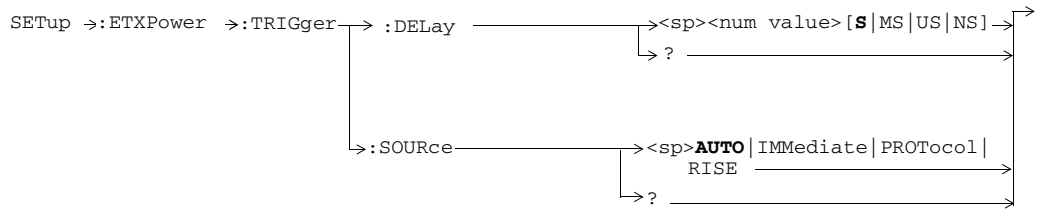
This command is only applicable to EGPRS.

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



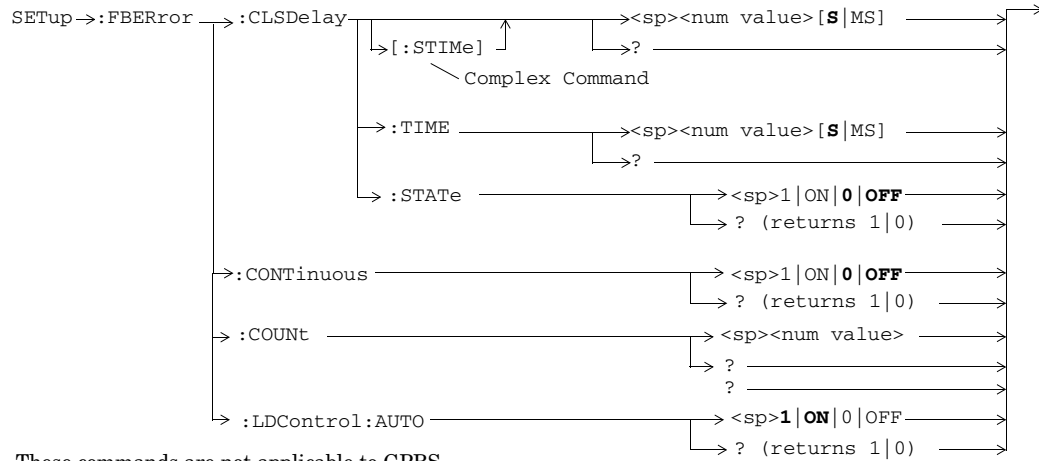
These commands are only applicable to EGPRS.

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

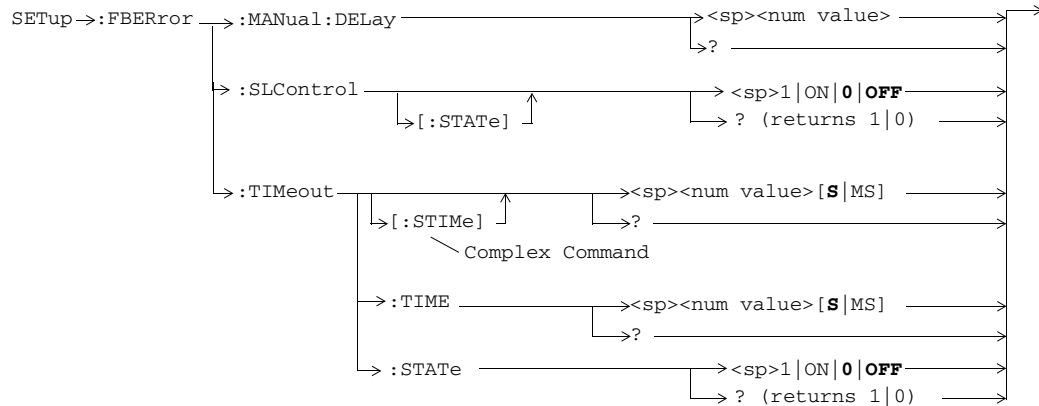


These commands are only applicable to EGPRS.

**SETup:FBError**



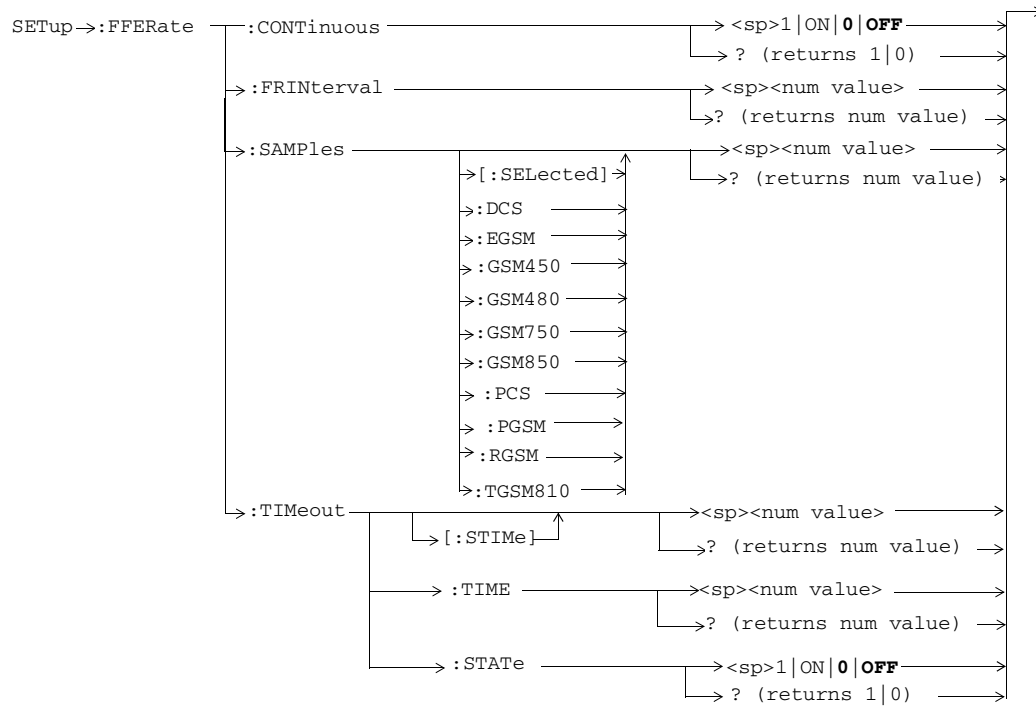
These commands are not applicable to GPRS.



These commands are not applicable to GPRS.

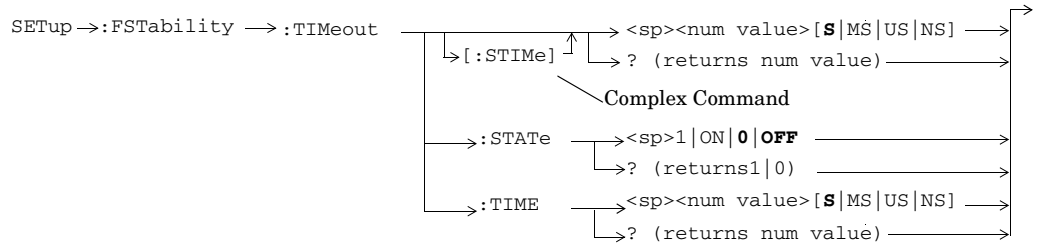
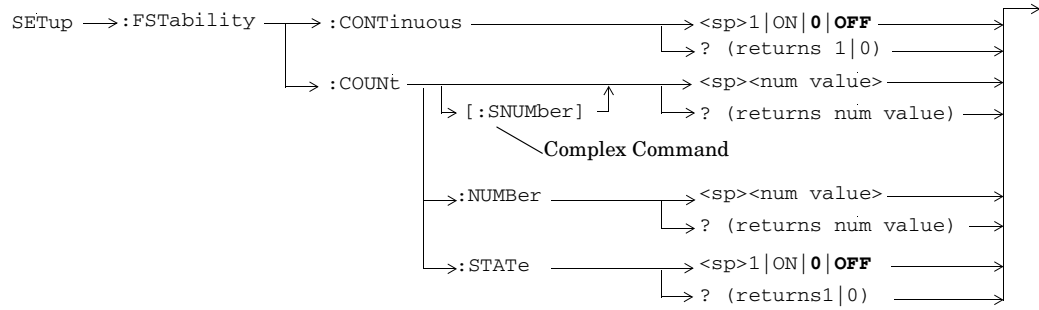
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**

**SETup:FFERate**



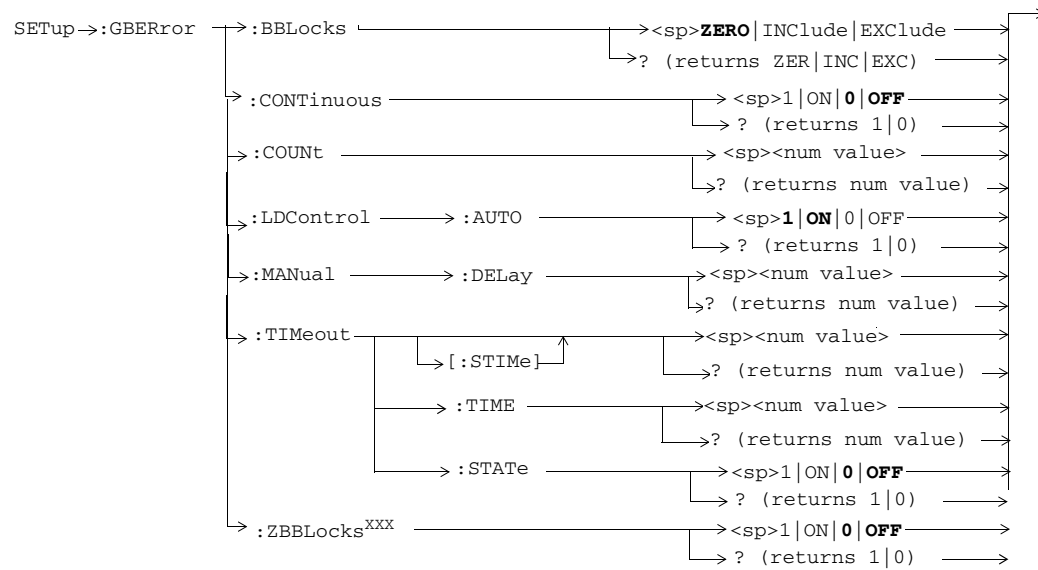
These commands are only applicable to the GSM/GPRS and EGPRS lab applications.

**SETup:FSTability**



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

**SETup:GBERror**

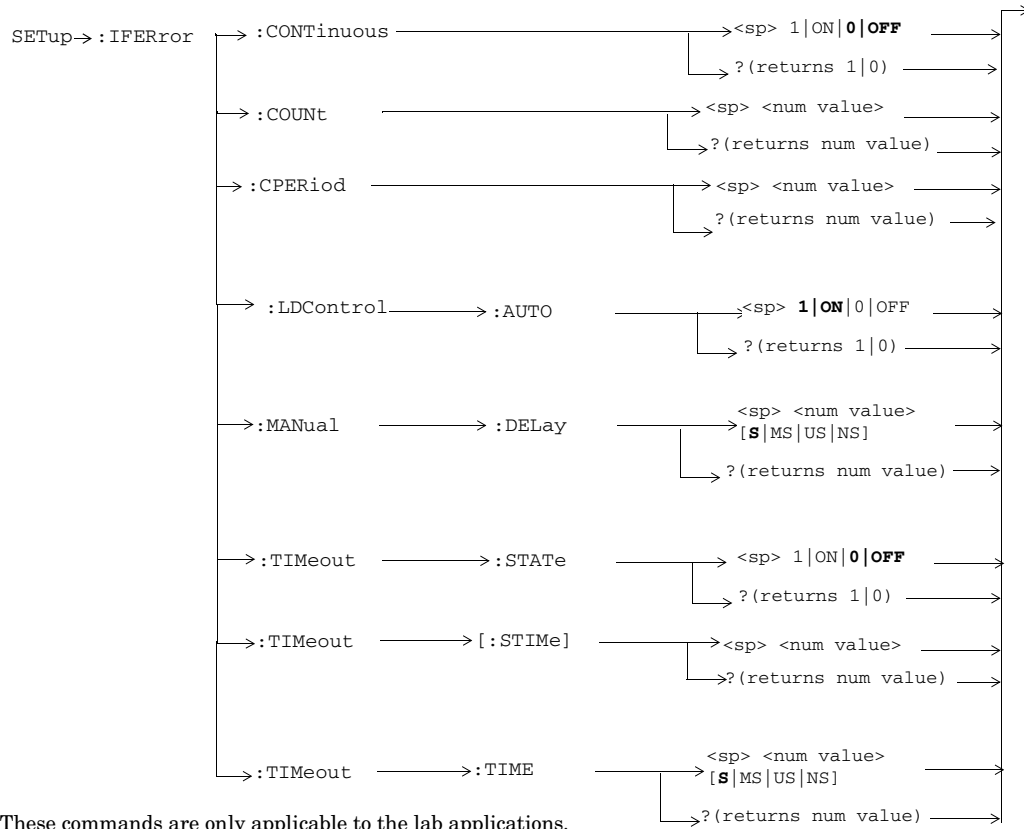


These commands are not applicable to GSM.

<sup>XXX</sup>This command is obsolete.

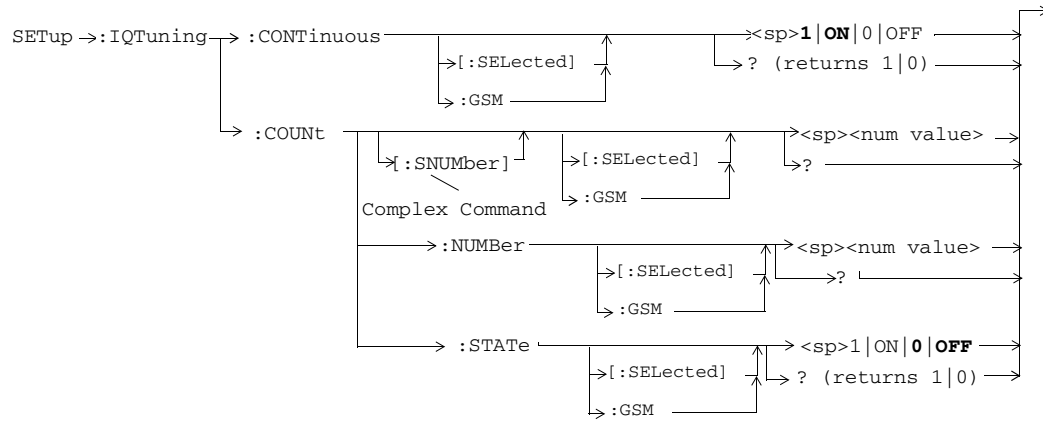


**SETup:IFError**

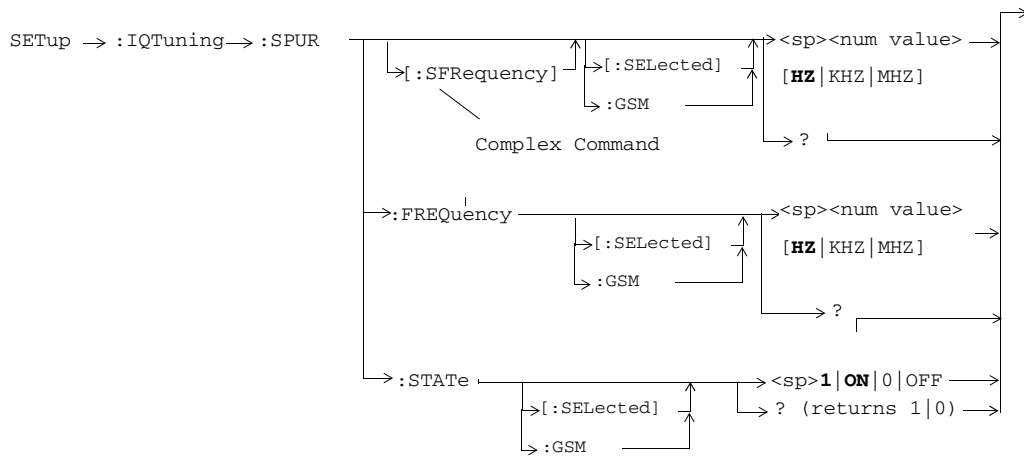
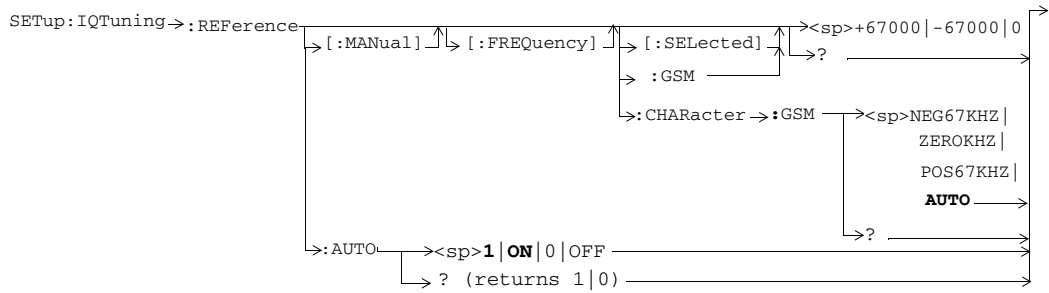


These commands are only applicable to the lab applications.

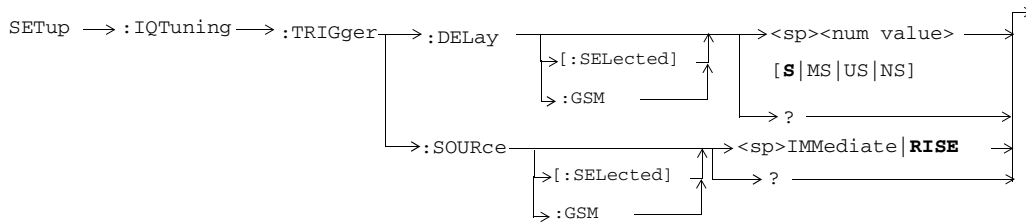
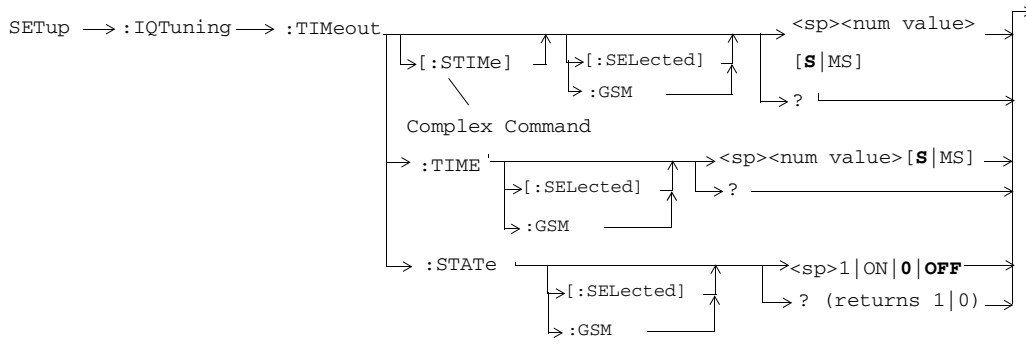
**SETup:IQTuning**



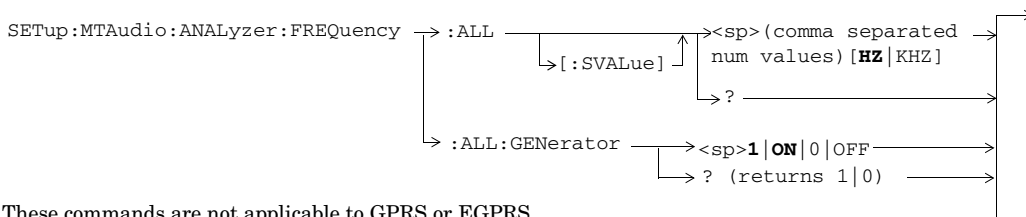
GPIB Syntax for E1968A, E6701D/E/T, E6704A



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

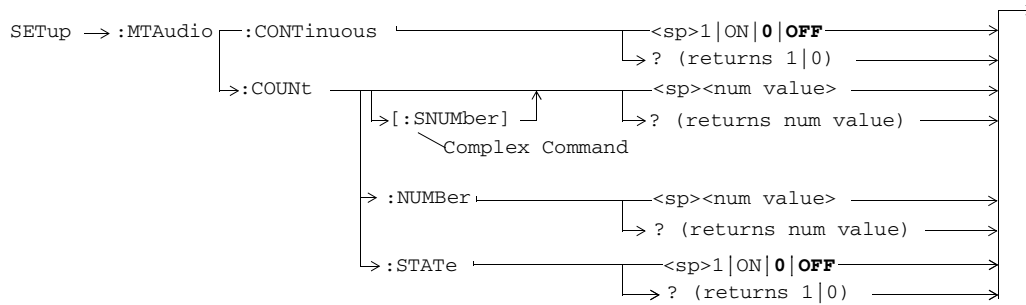


**SETup:MTAudio**

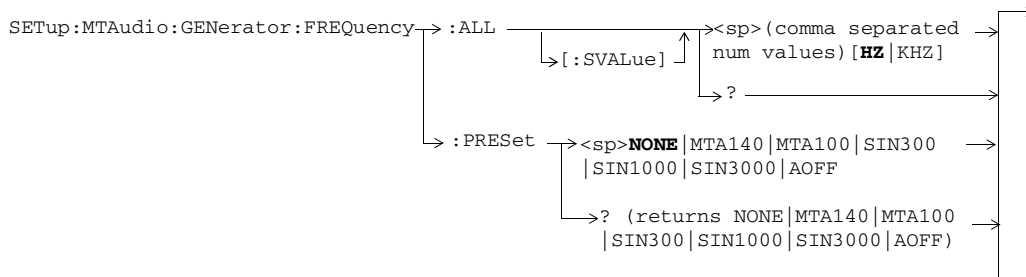


These commands are not applicable to GPRS or EGPRS.

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

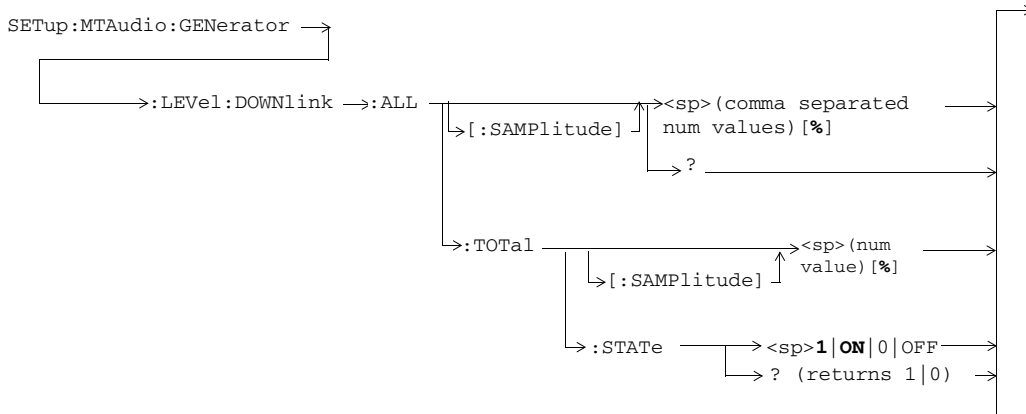


These commands are not applicable to GPRS or EGPRS.

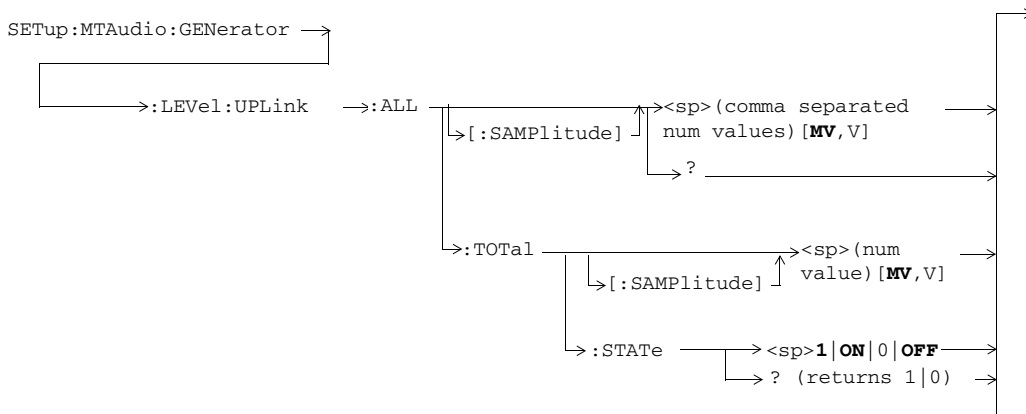


These commands are not applicable to GPRS or EGPRS.

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

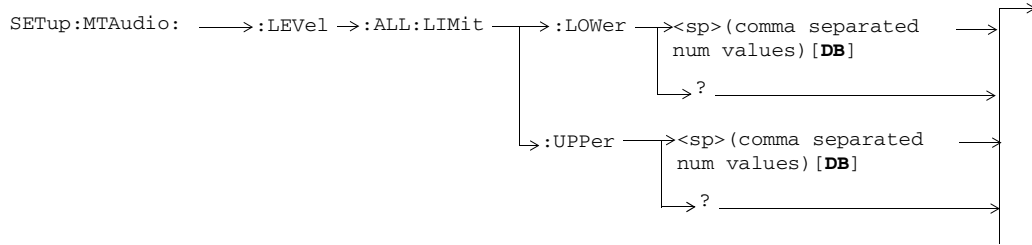


These commands are not applicable to GPRS or EGPRS.

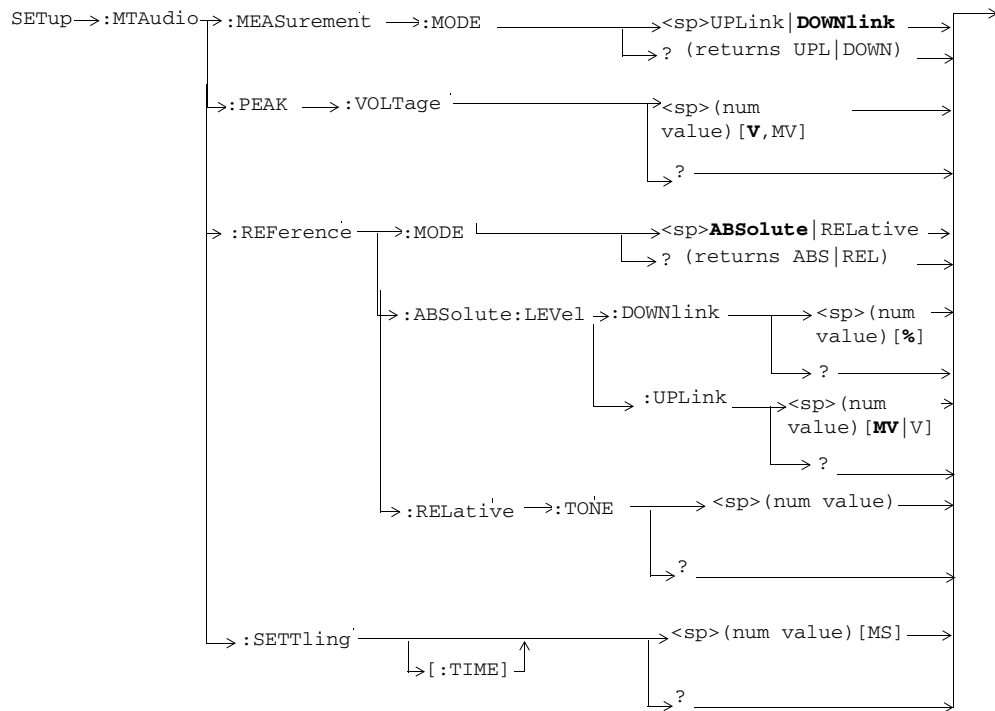


These commands are not applicable to GPRS or EGPRS.

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

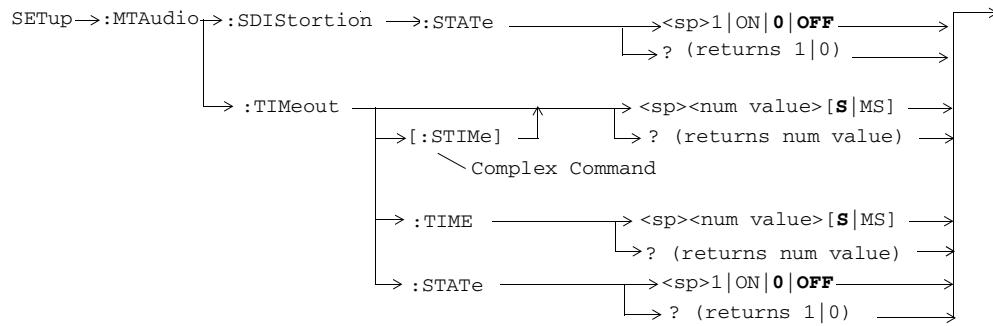


These commands are not applicable to GPRS or EGPRS.



These commands are not applicable to GPRS.

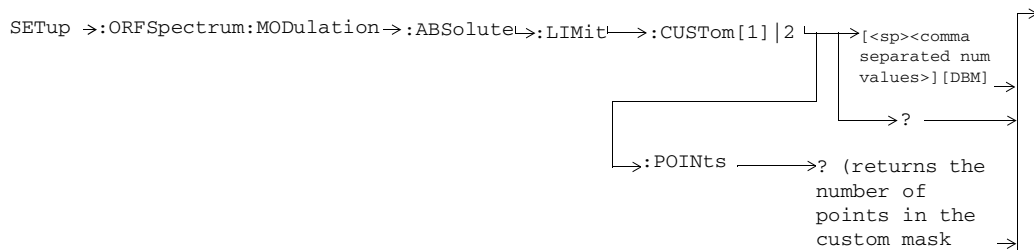
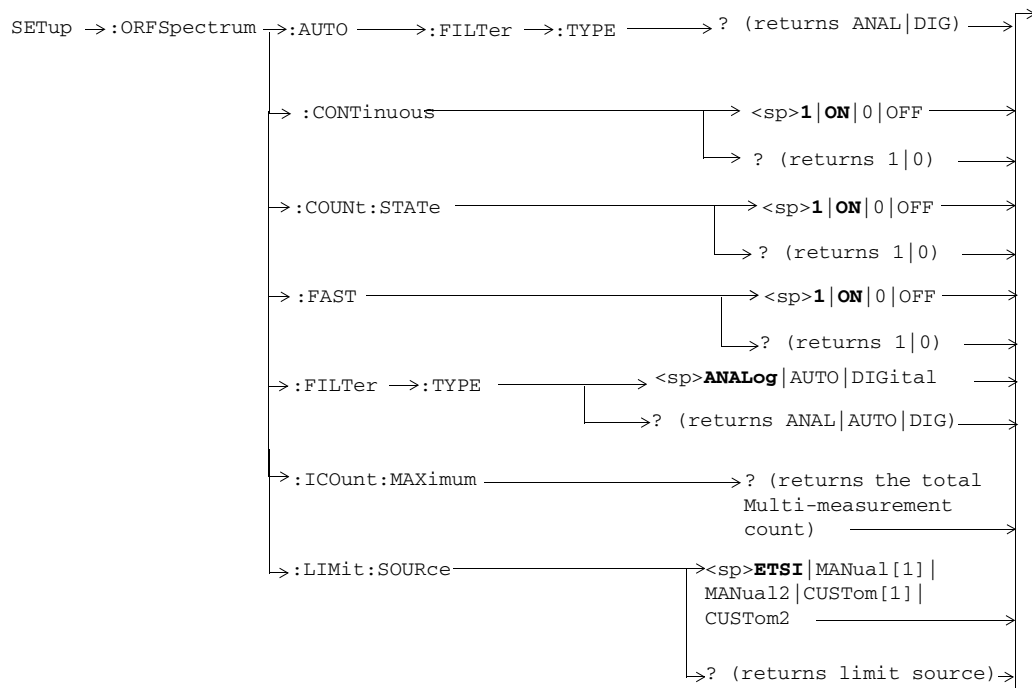
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



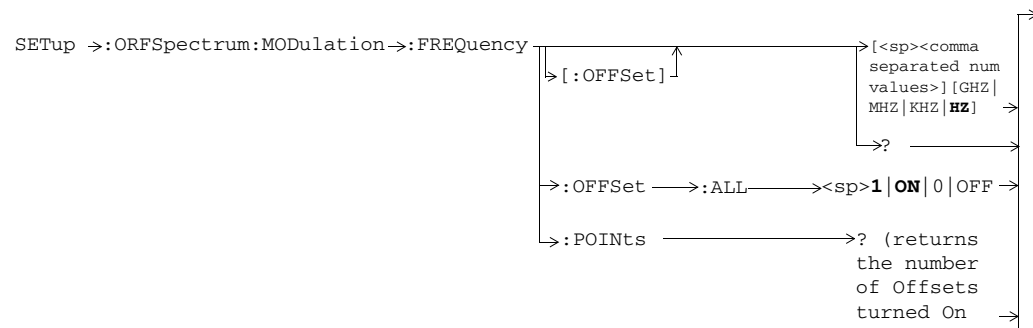
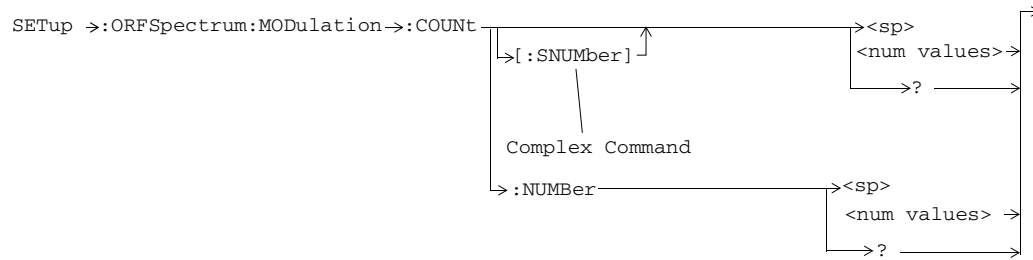
These commands are not applicable to GPRS and EGPRS.



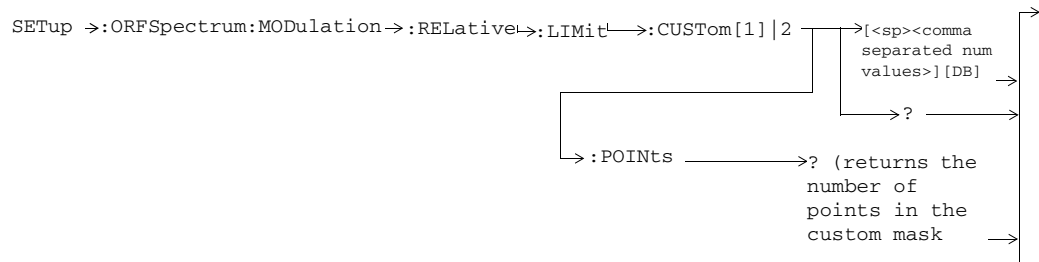
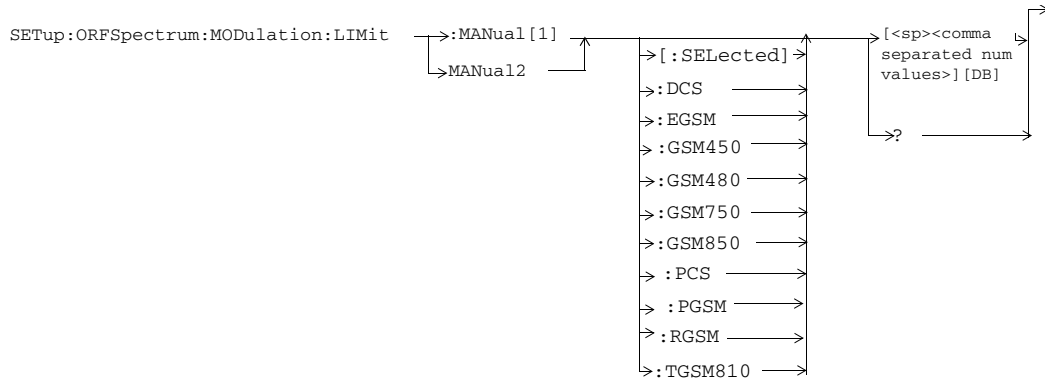
**SETup:ORFSpectrum**



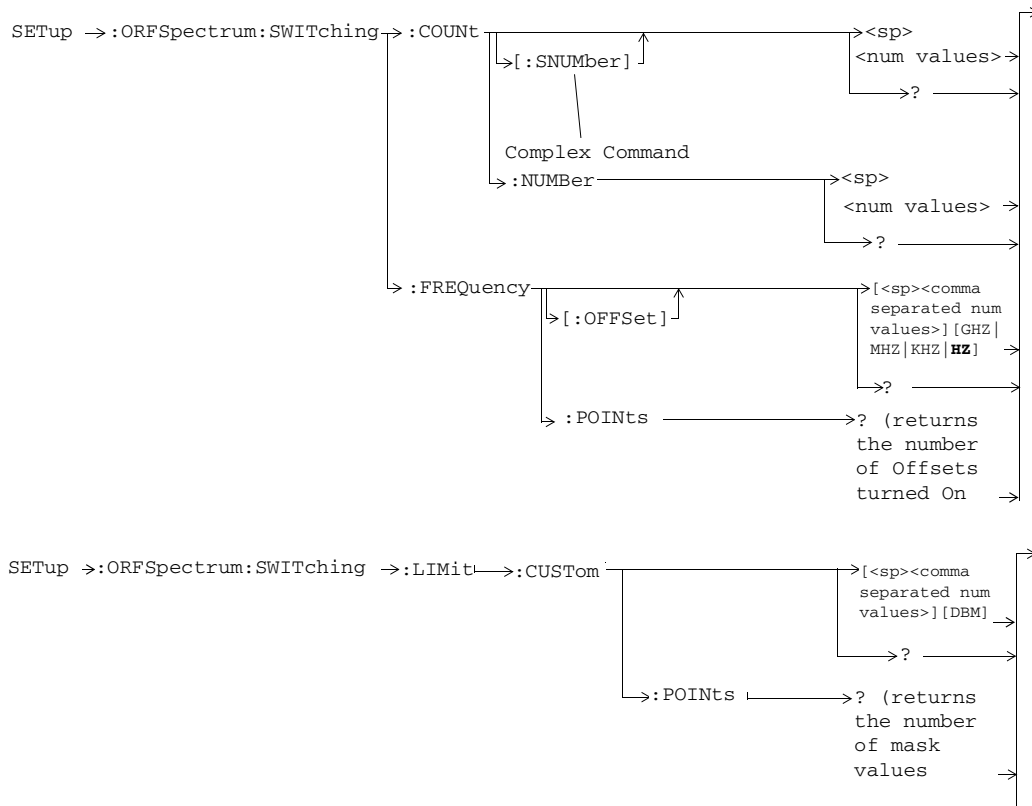
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



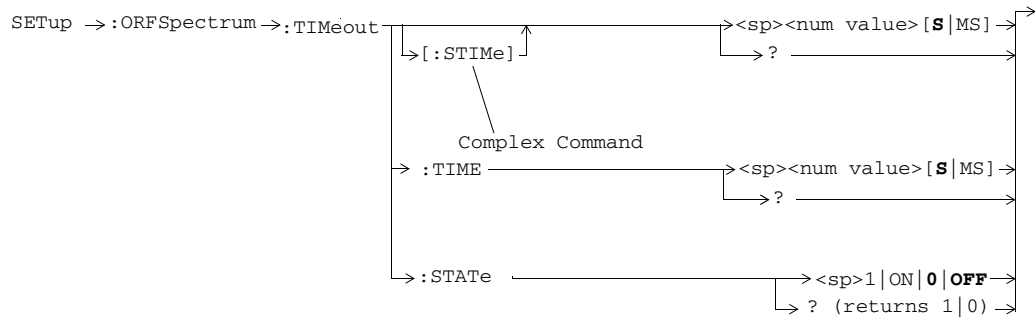
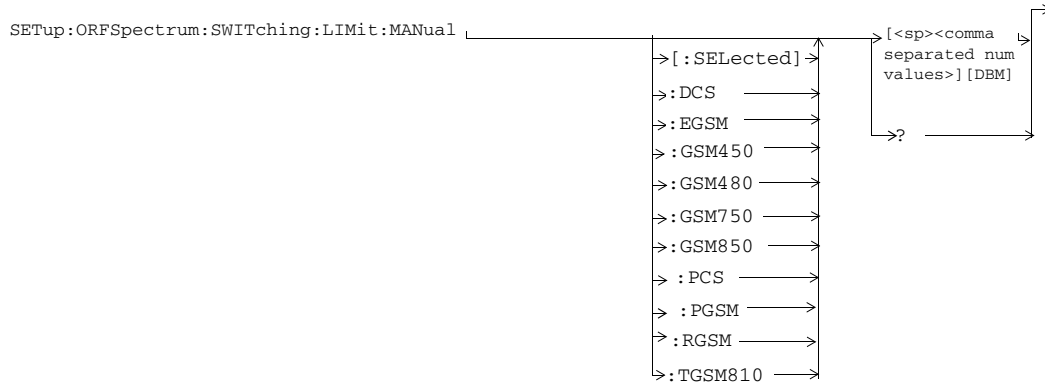
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



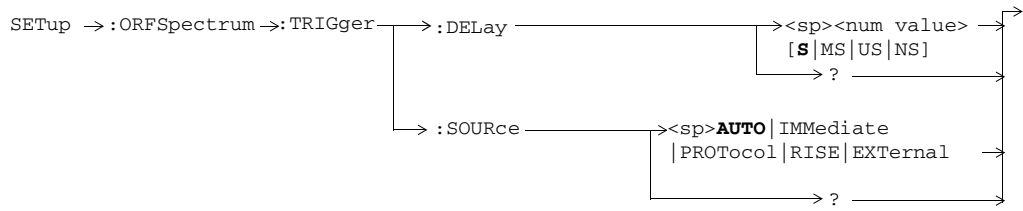
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



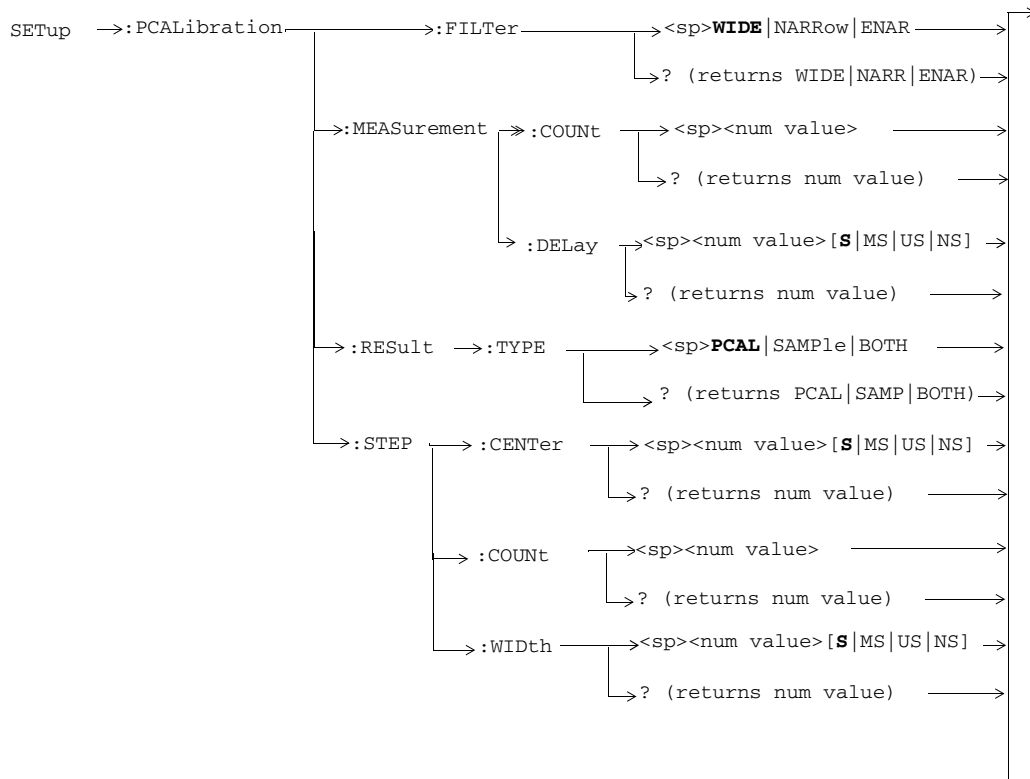
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



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

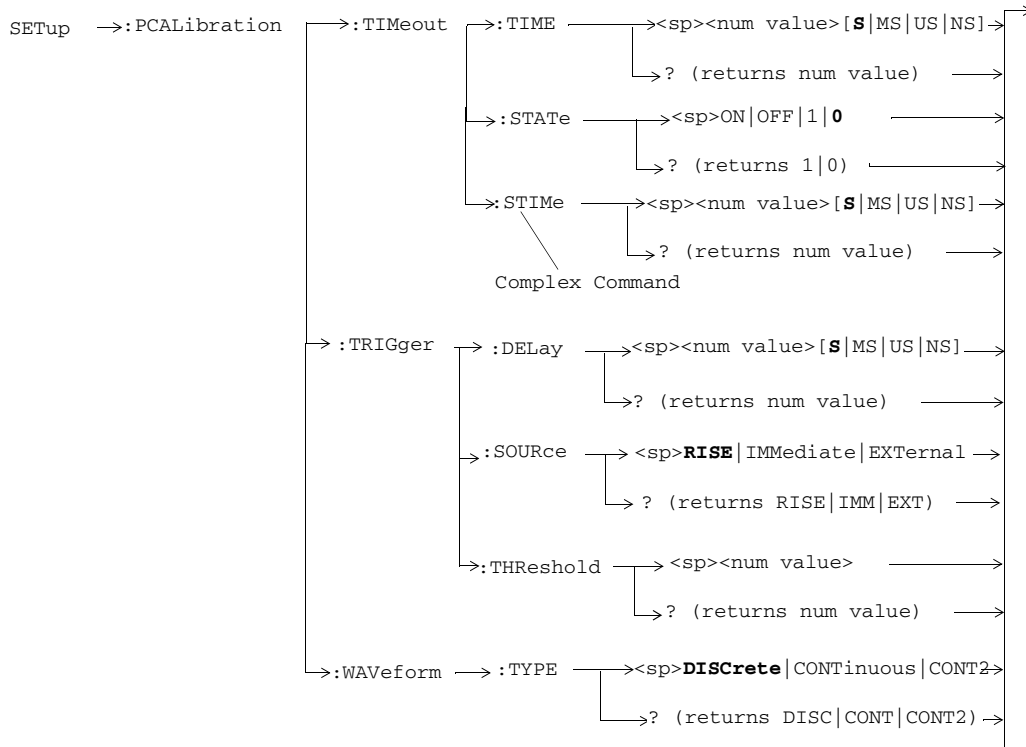


**SETup:PCALibration**



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

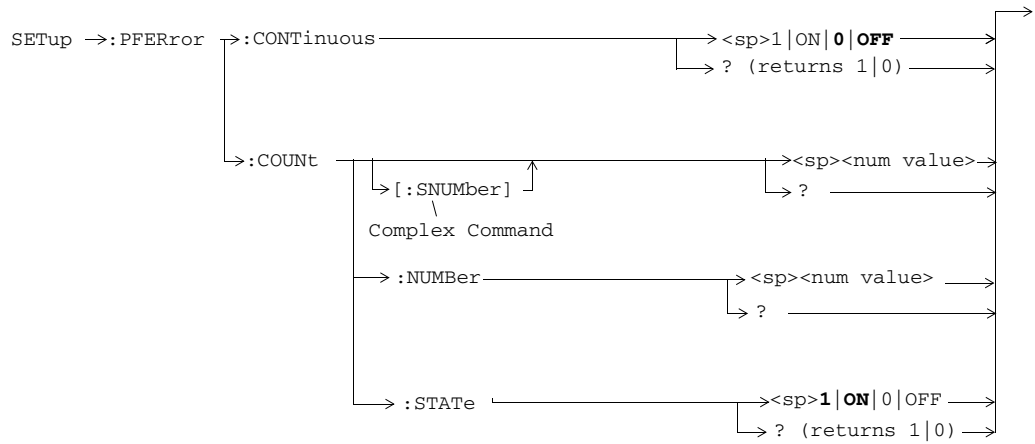
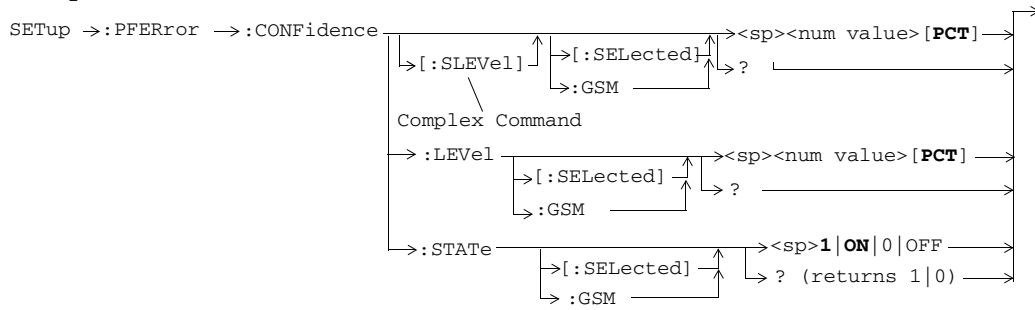
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



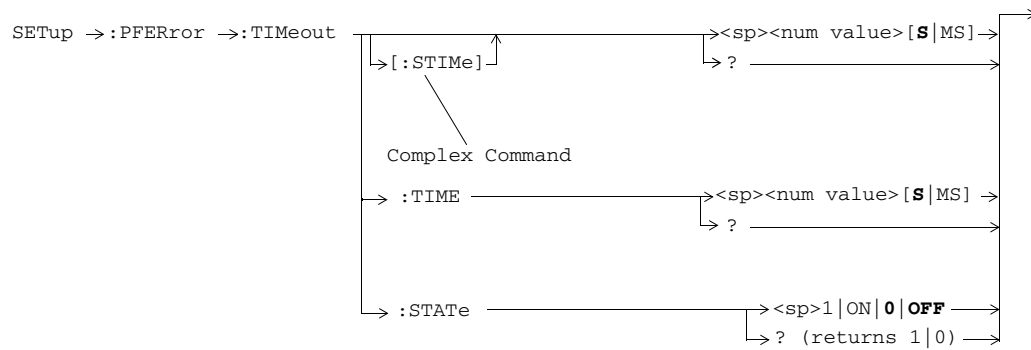
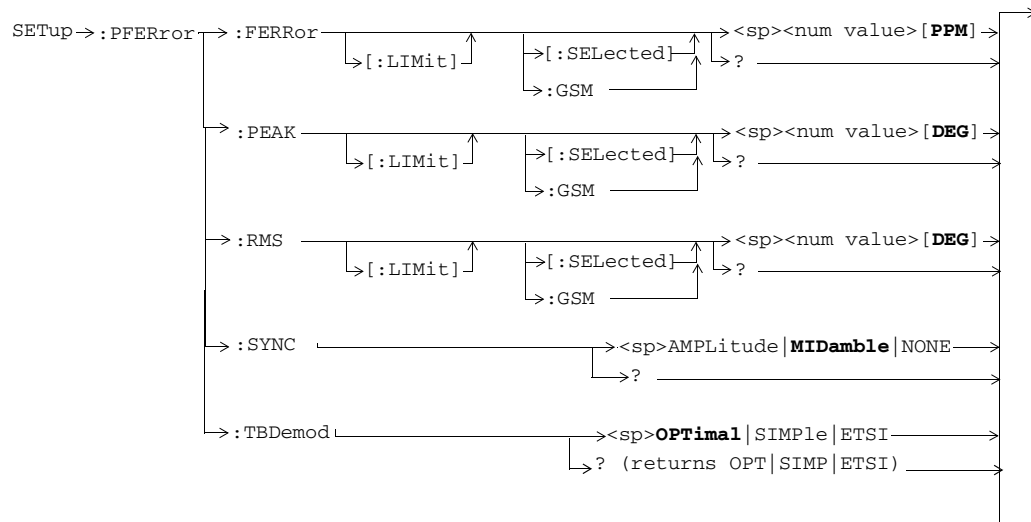
NOTE: These commands only apply to the lab applications and the test applications with the required feature license.



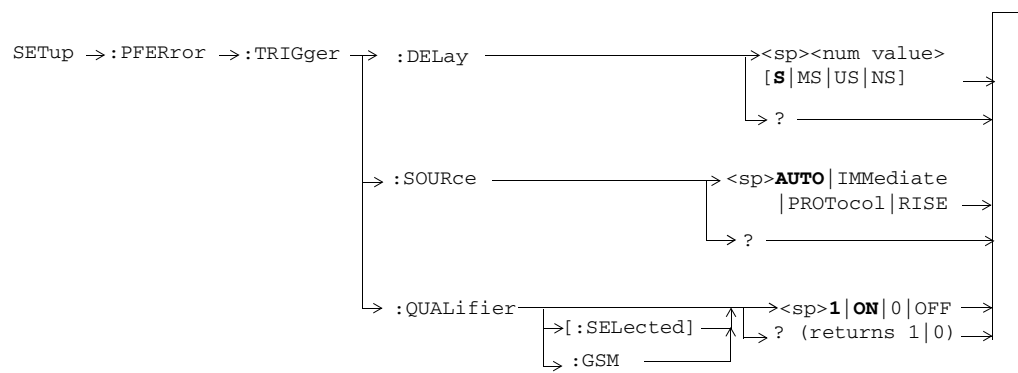
**SETup:PFERror**



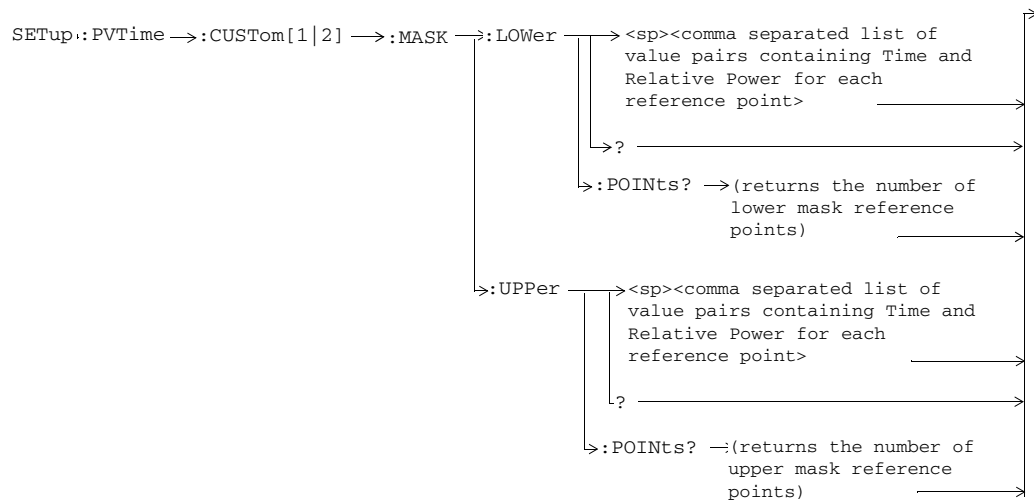
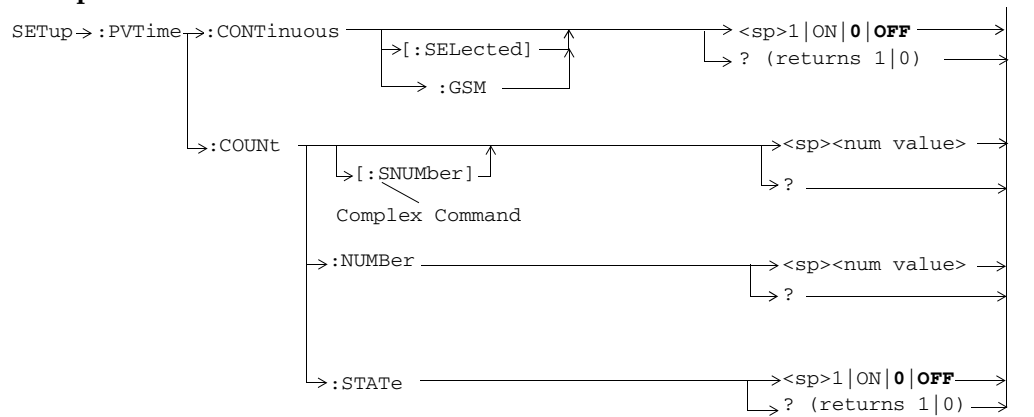
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



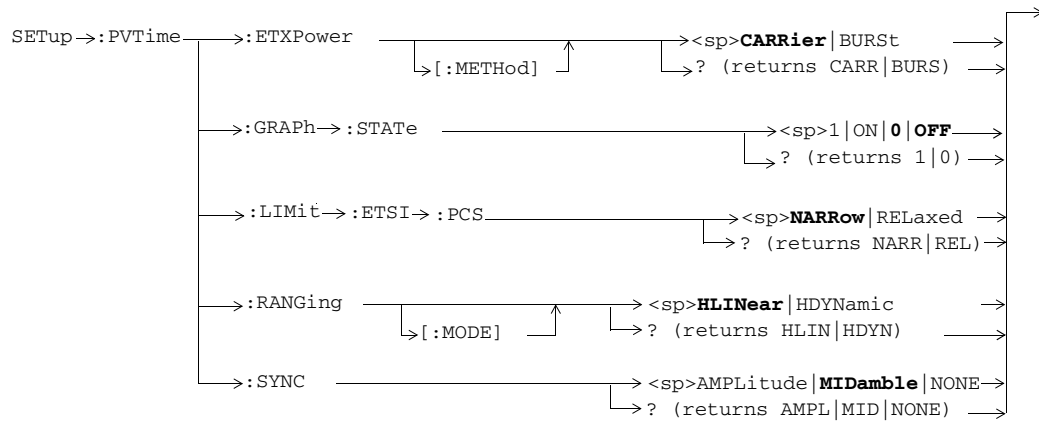
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



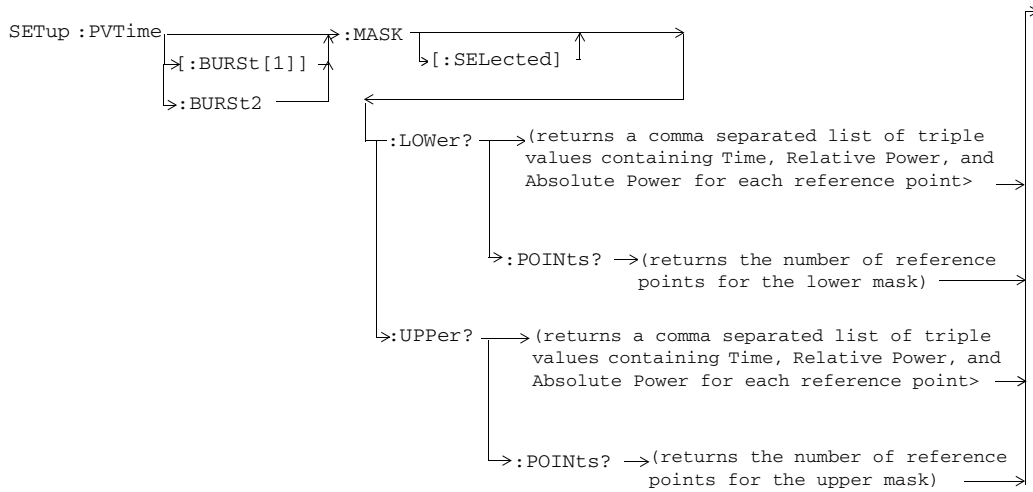
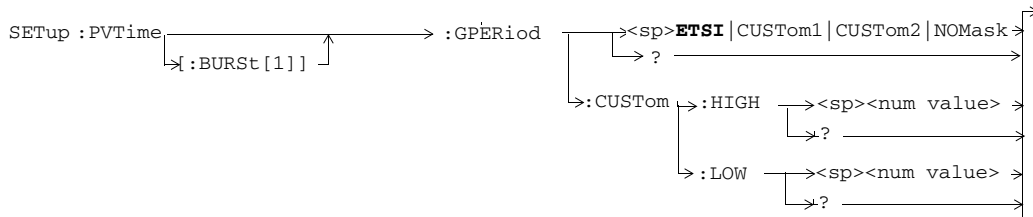
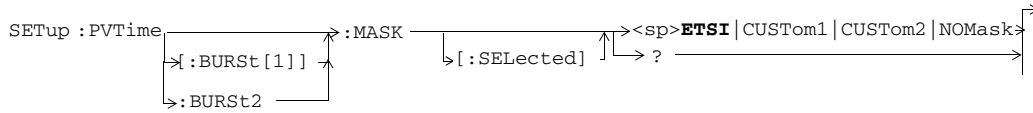
**SETup:PVTime**



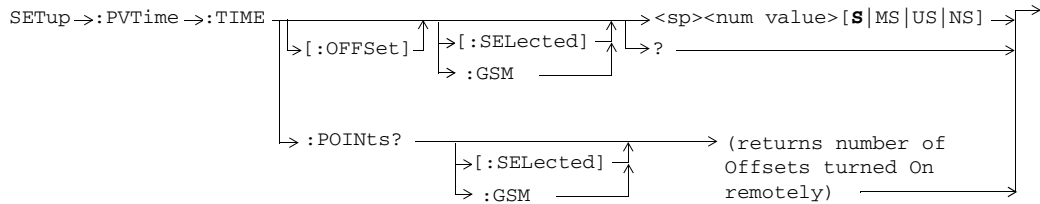
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



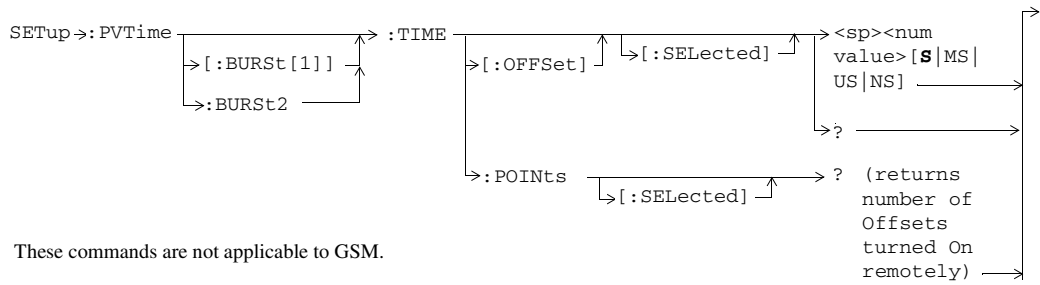
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



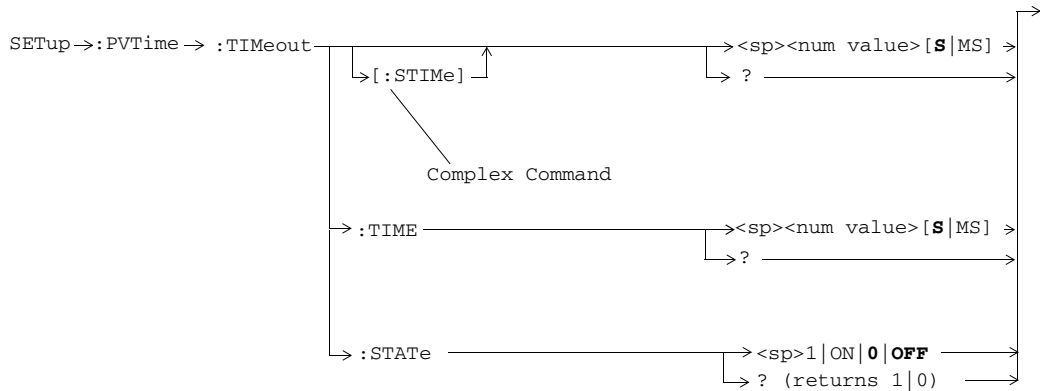
**GPIO Syntax for E1968A, E6701D/E/T, E6704A**



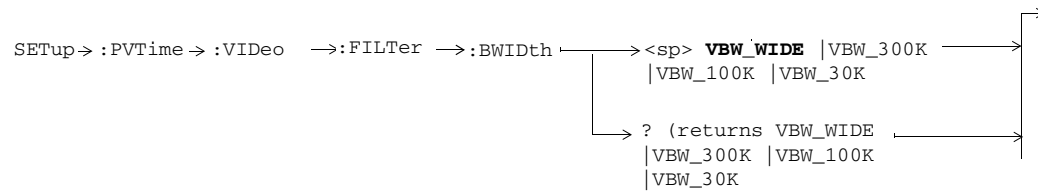
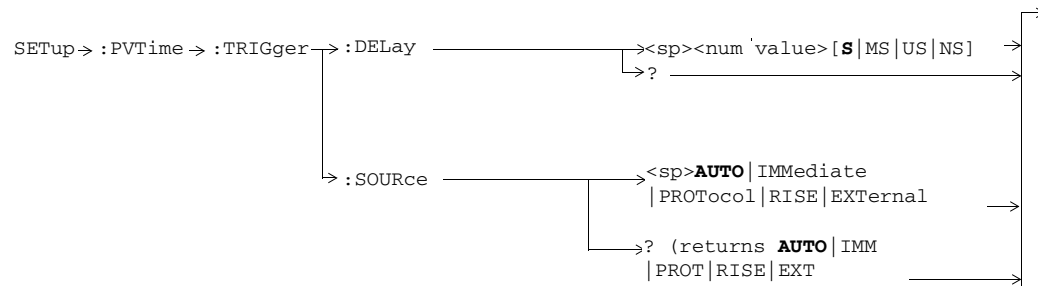
These commands are not applicable to GPRS.



These commands are not applicable to GSM.

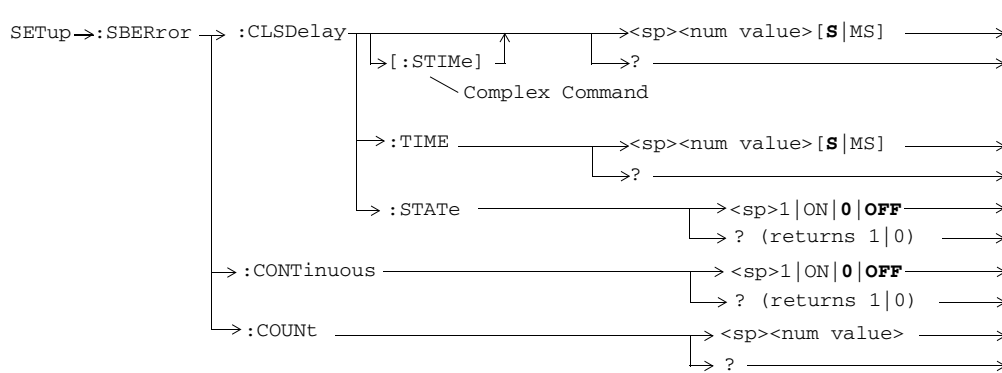


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

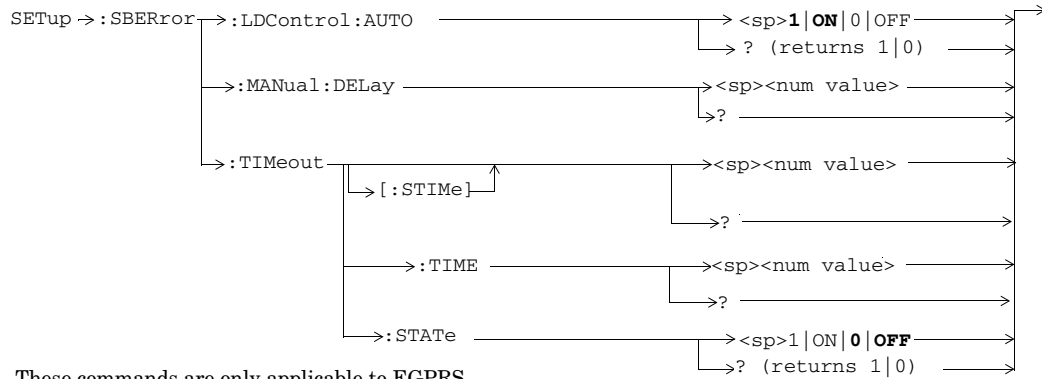




**SETup:SBERror**

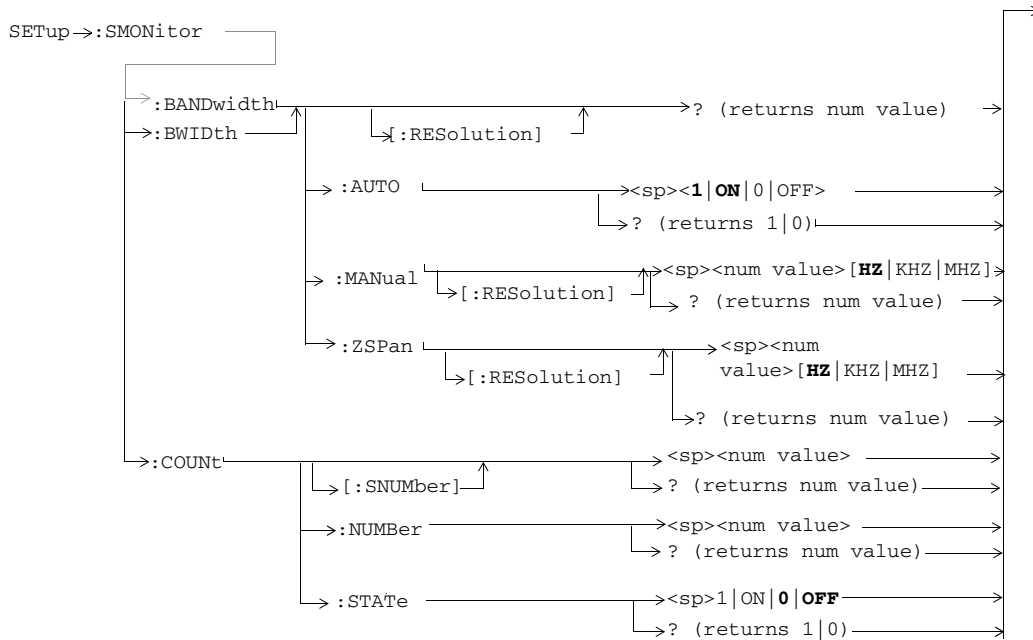
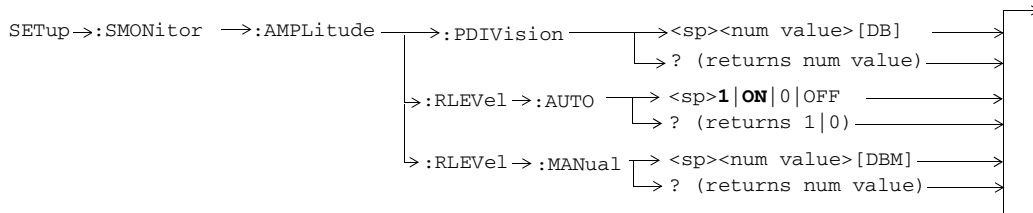


These commands are only applicable to EGPRS.

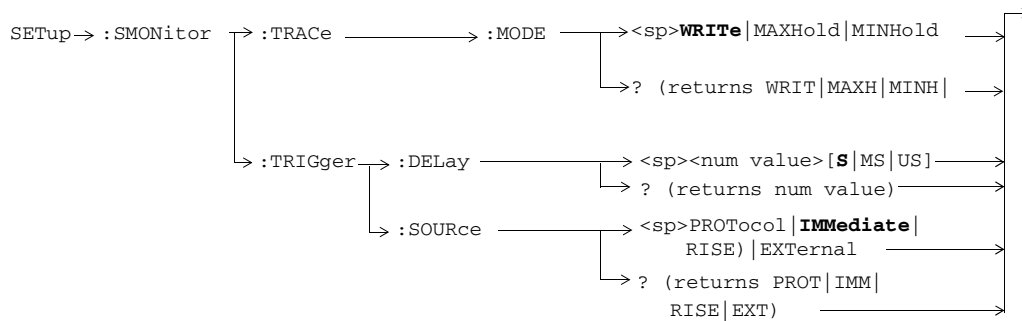
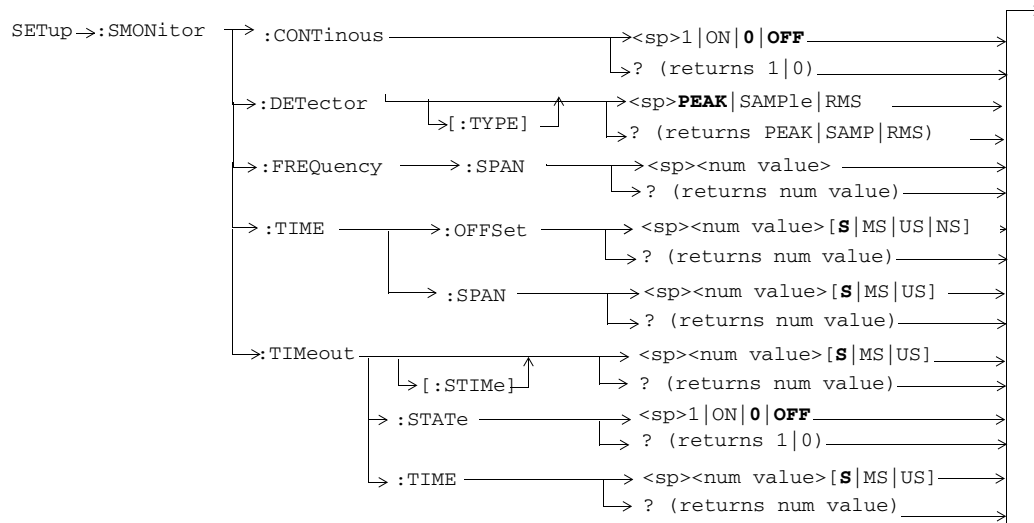


These commands are only applicable to EGPRS.

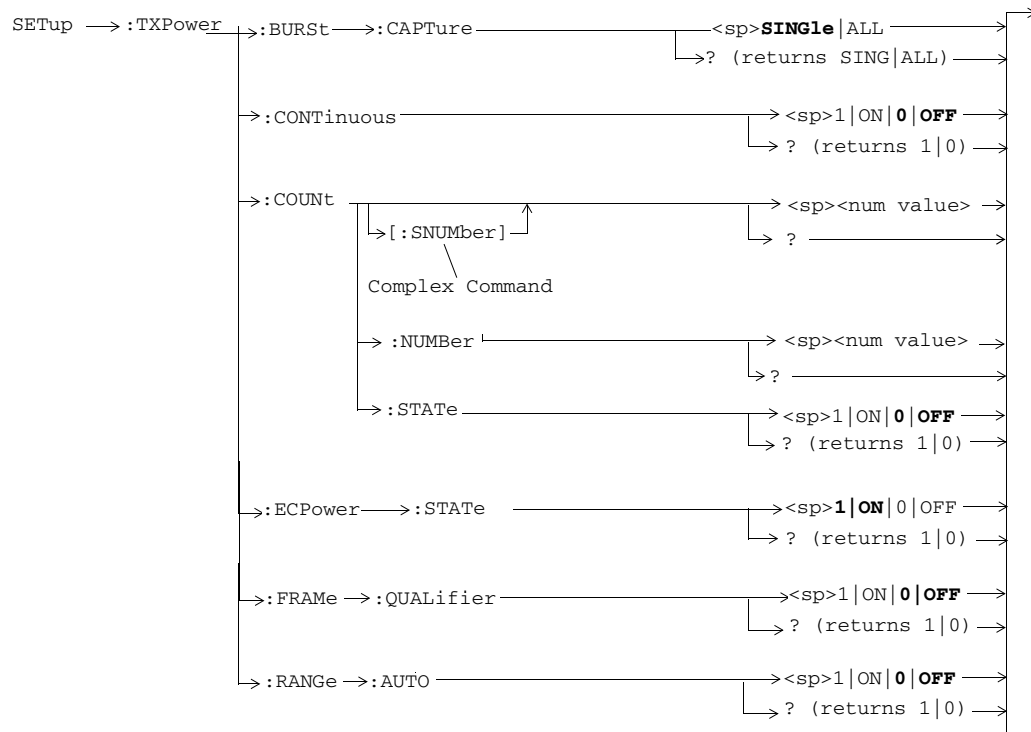
**SETup:SMONitor**



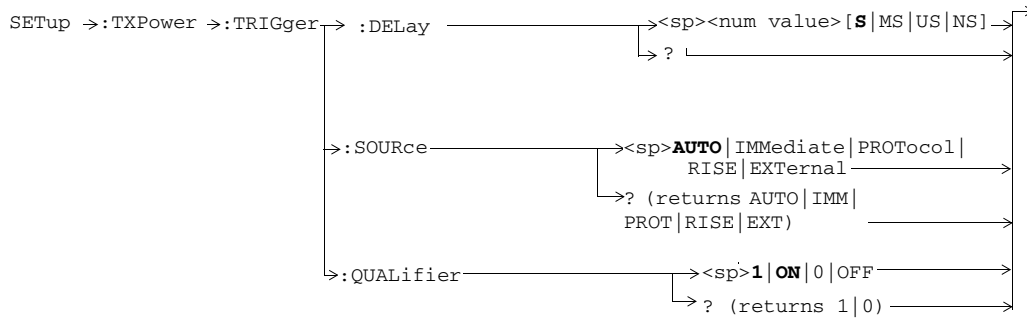
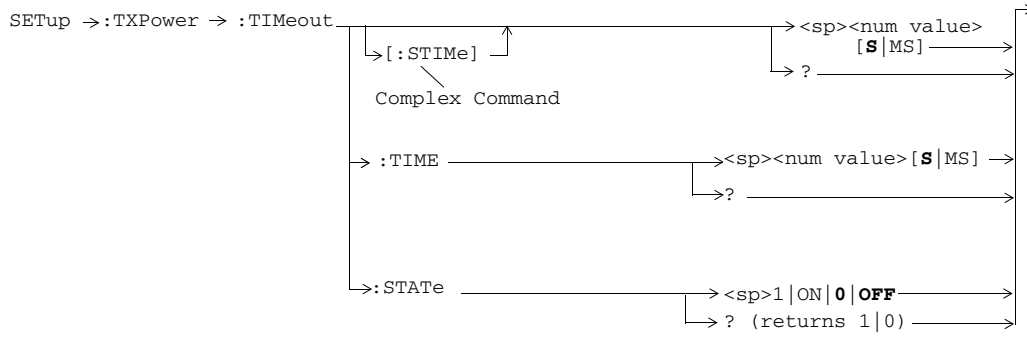
GPIB Syntax for E1968A, E6701D/E/T, E6704A



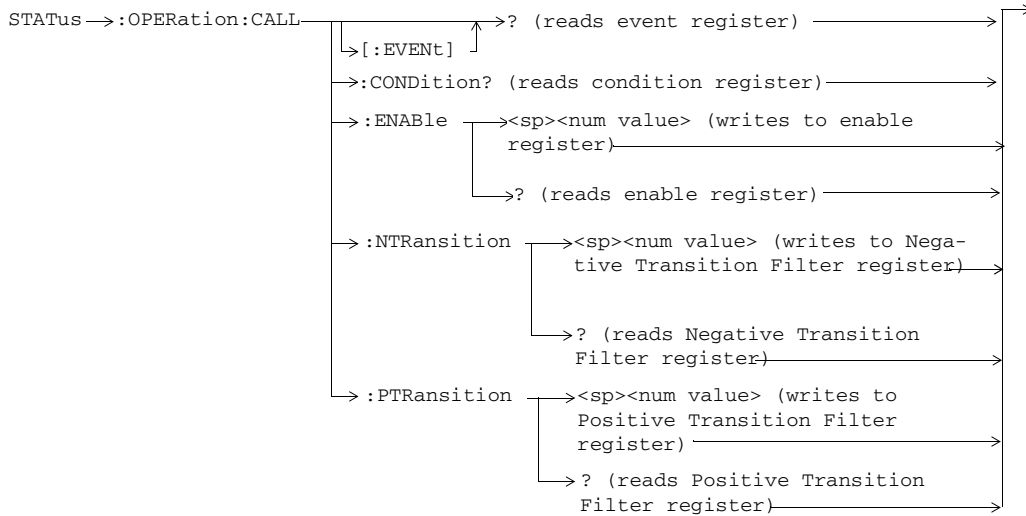
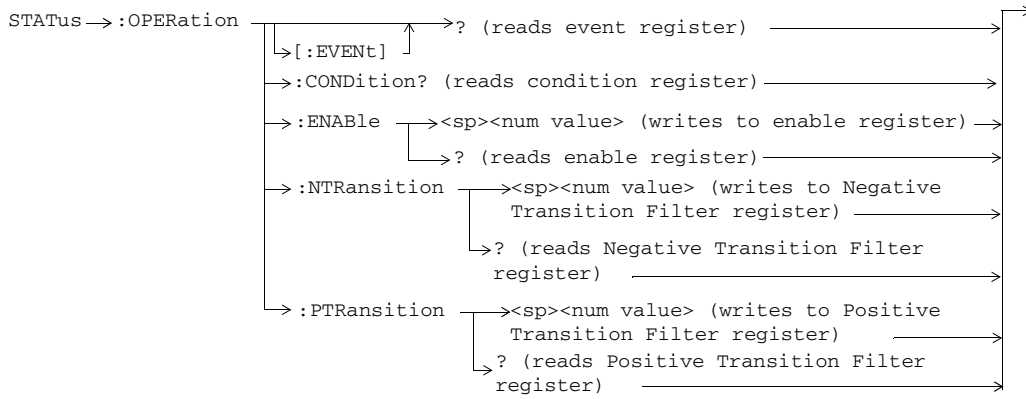
**SETup:TXPower**



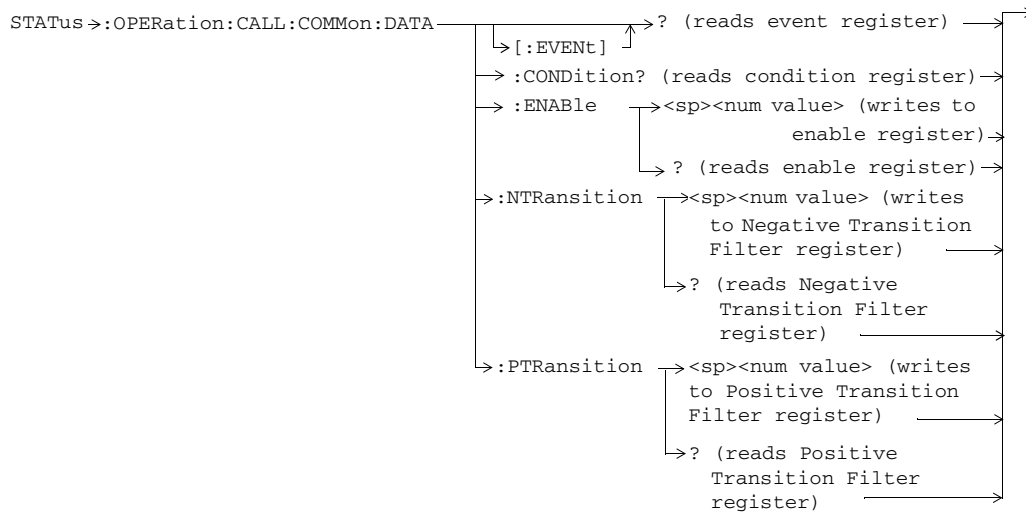
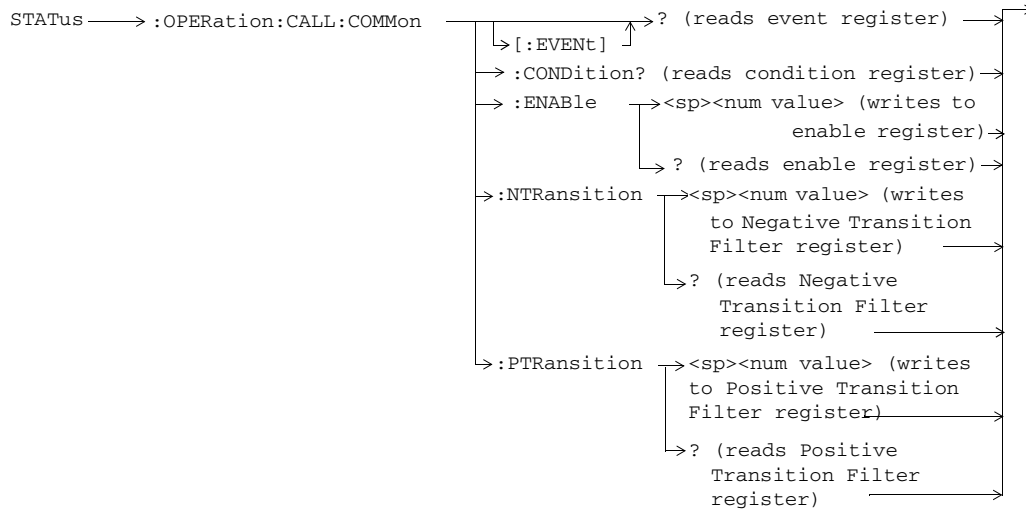
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



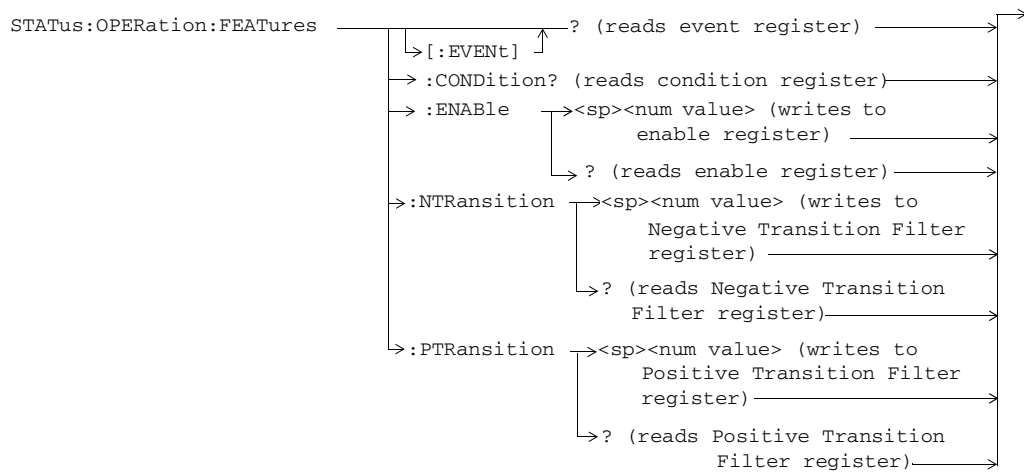
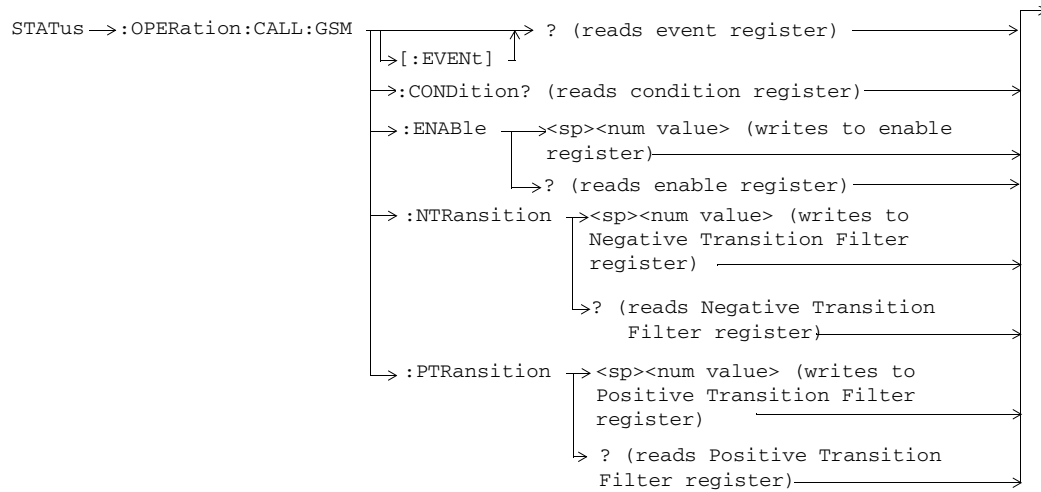
**STATus:OPERation**



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

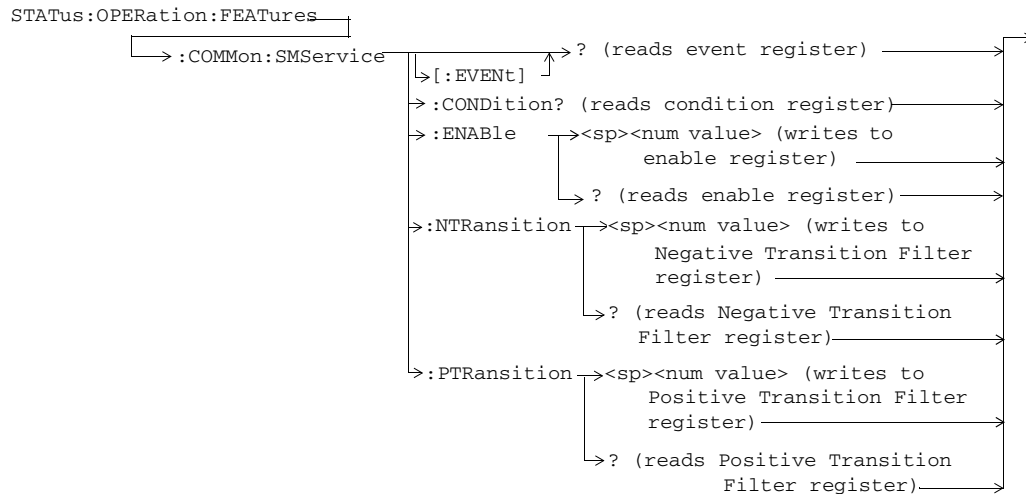
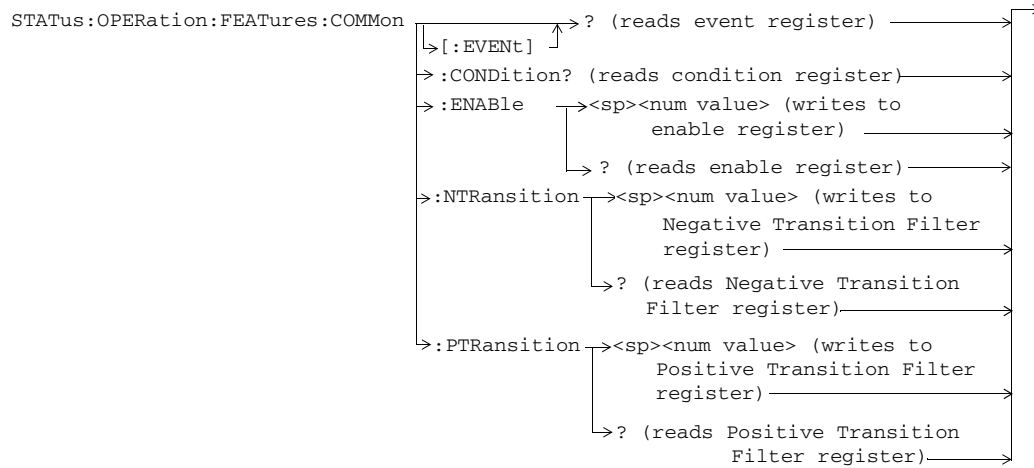


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

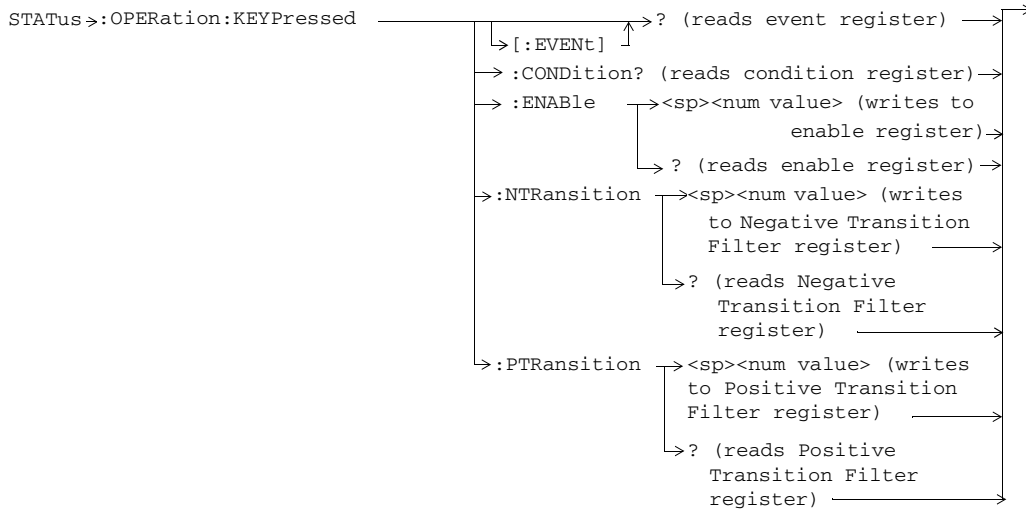
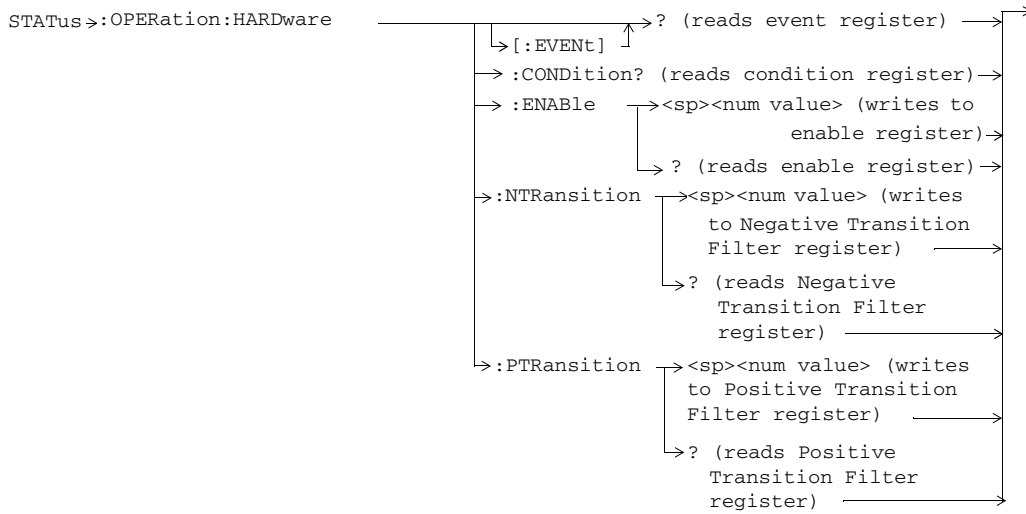




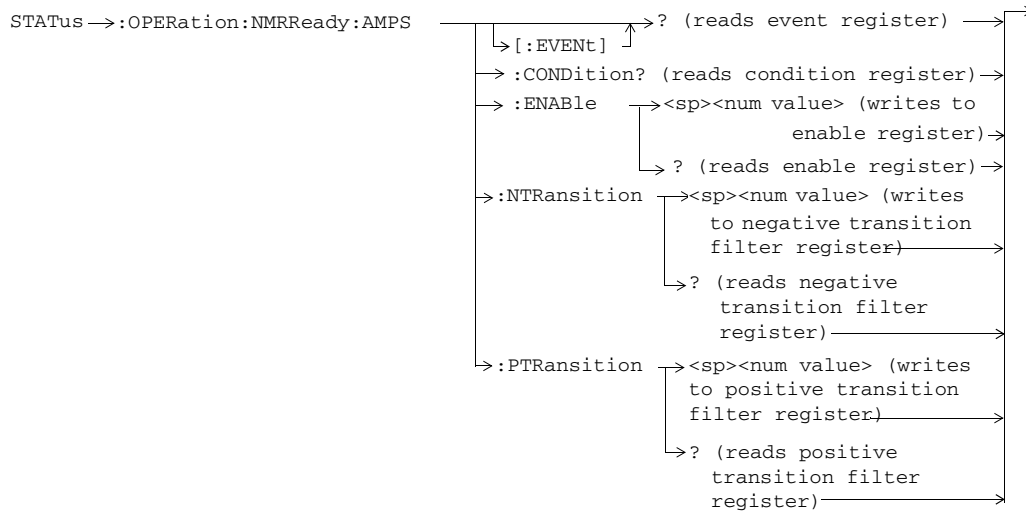
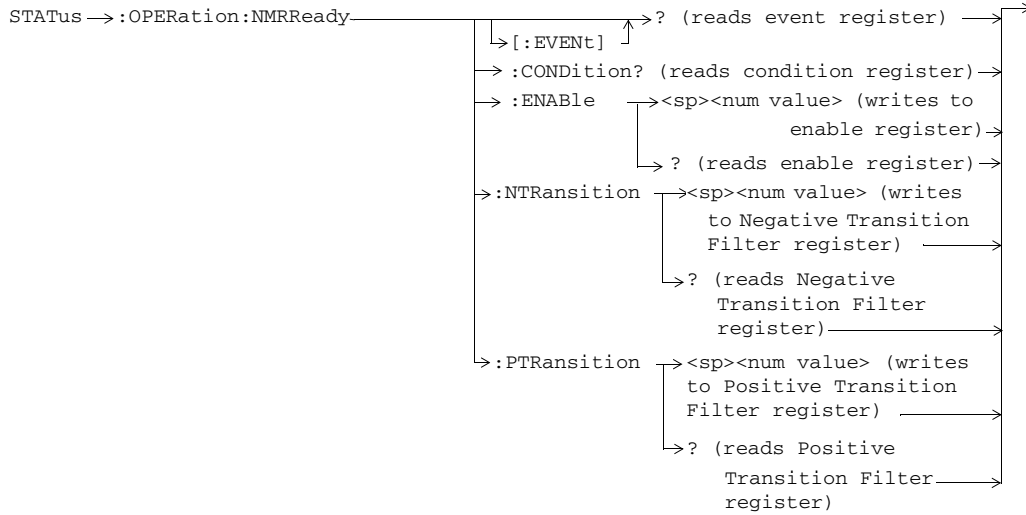
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



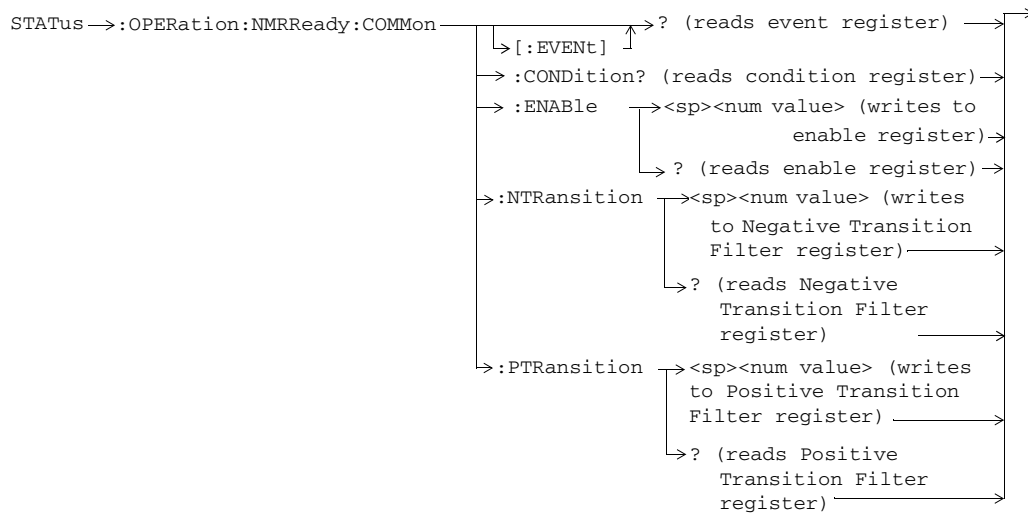
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



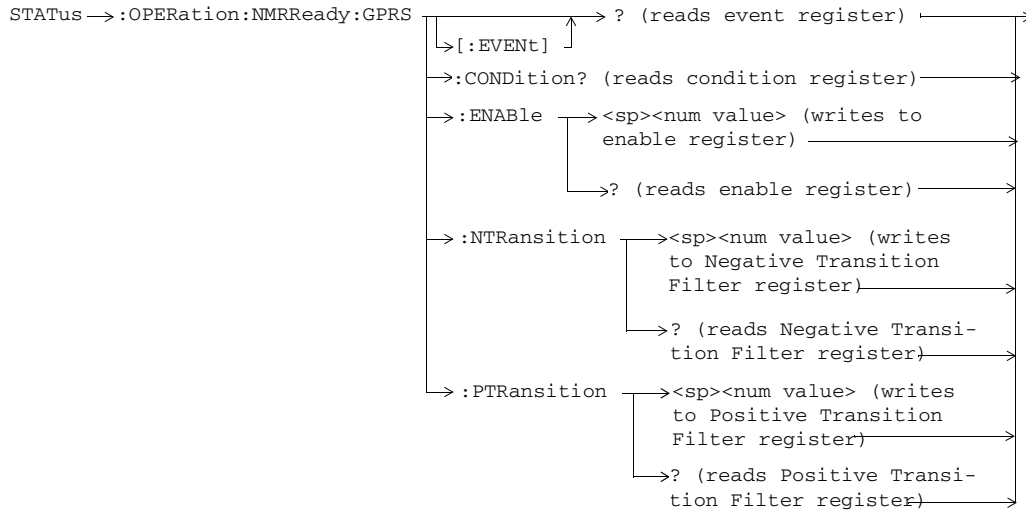
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



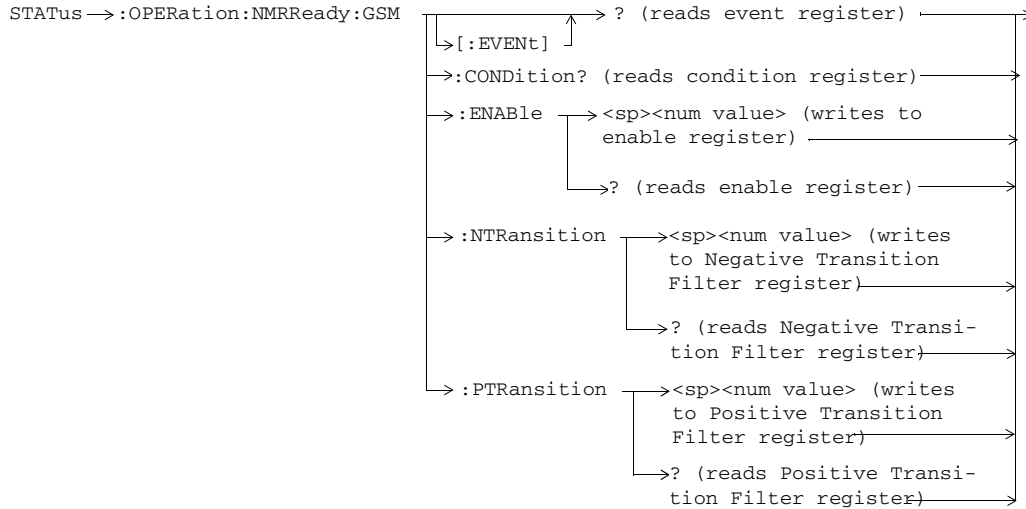
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



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

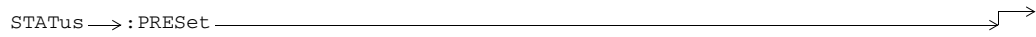


These commands are not applicable to GSM.

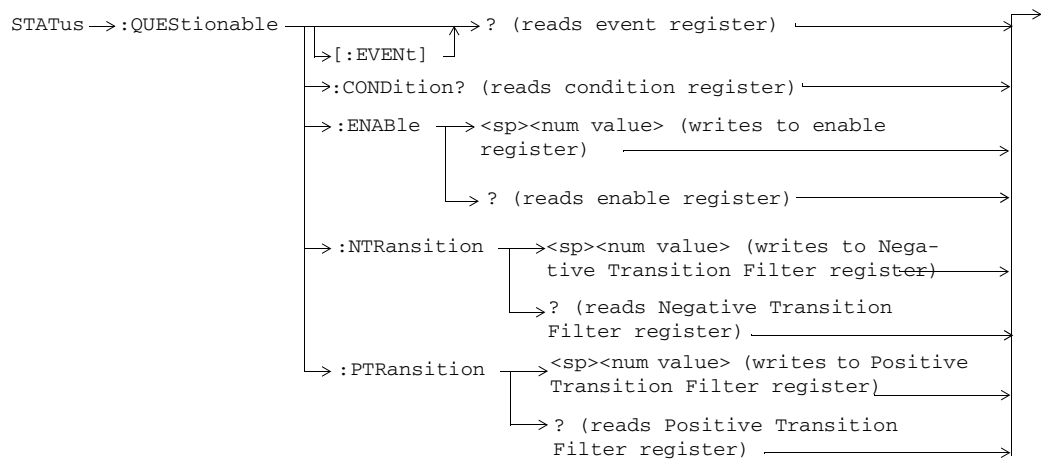


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

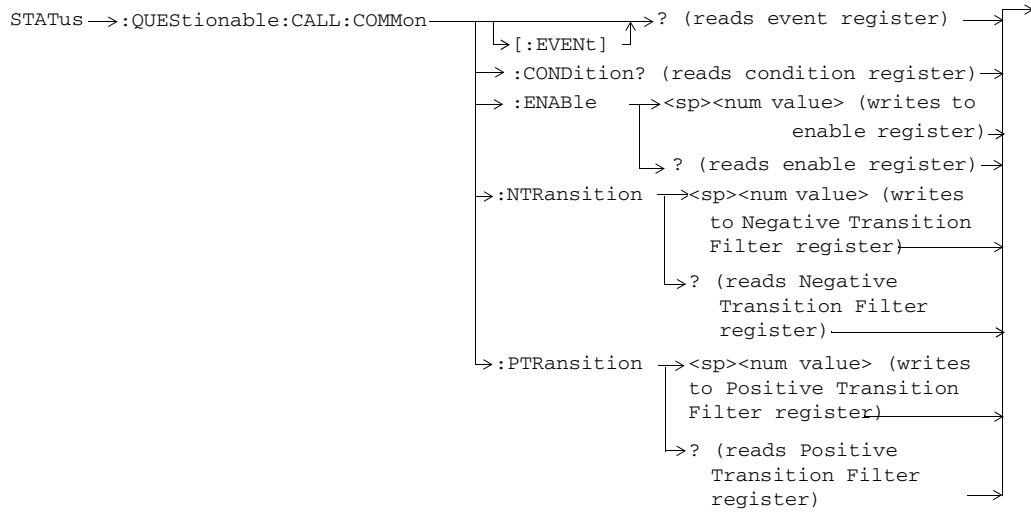
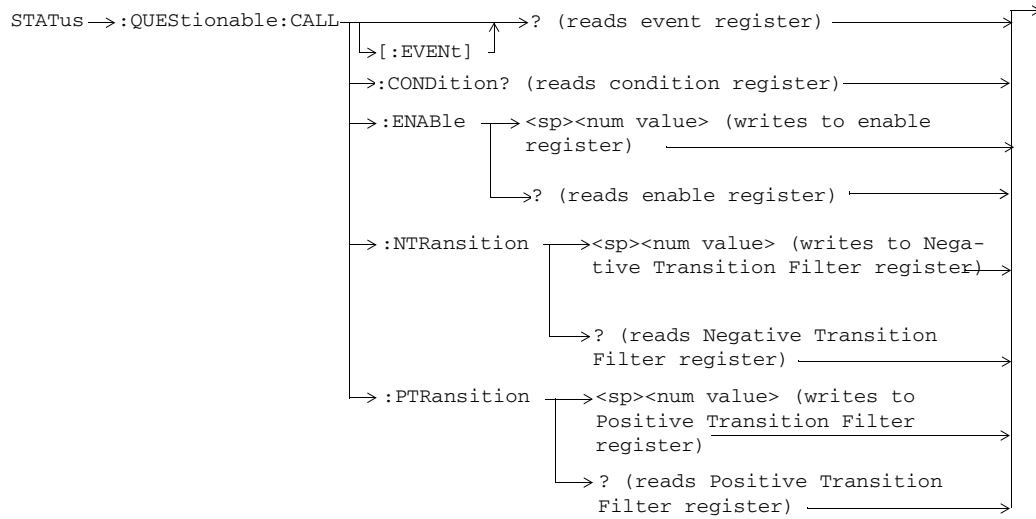
**STATus:PRESet**



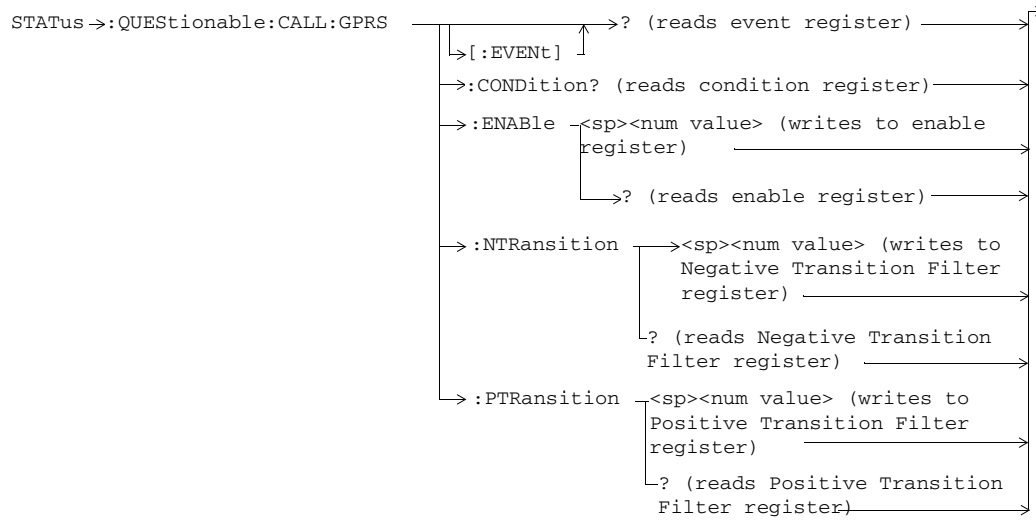
**STATus:QUEStionable**



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



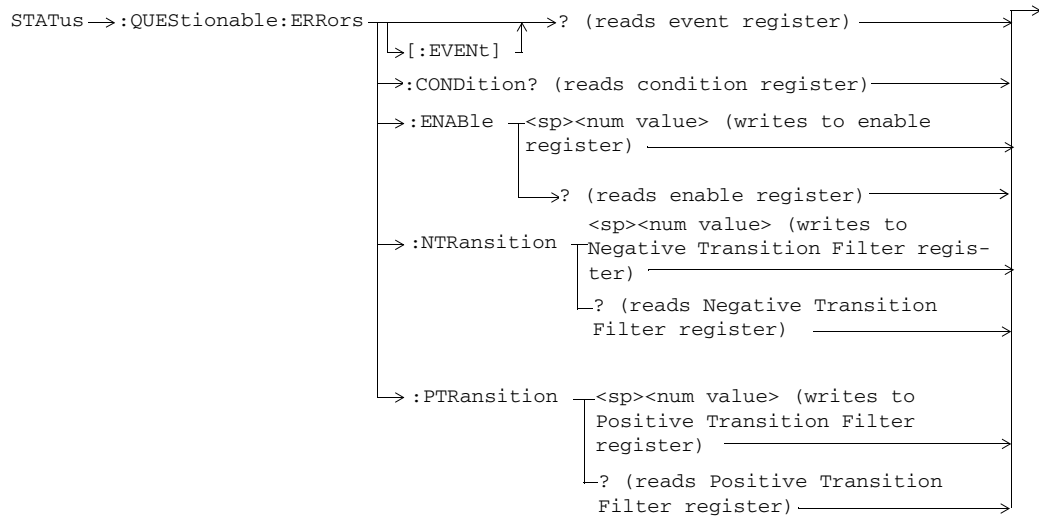
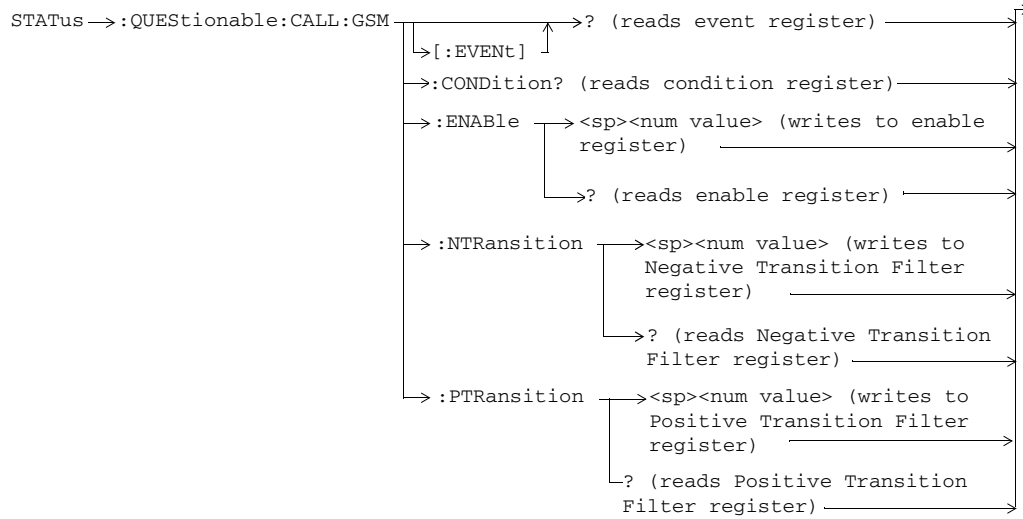
**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



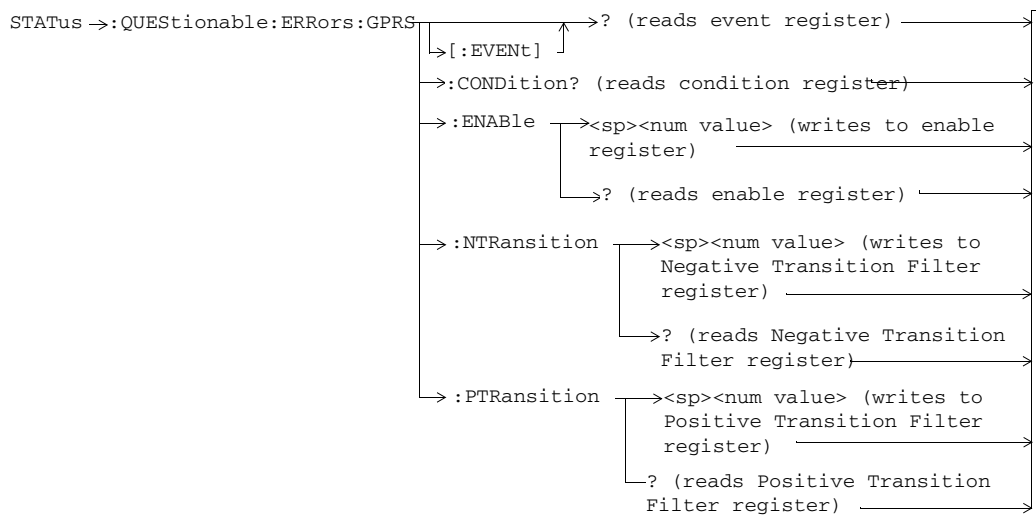
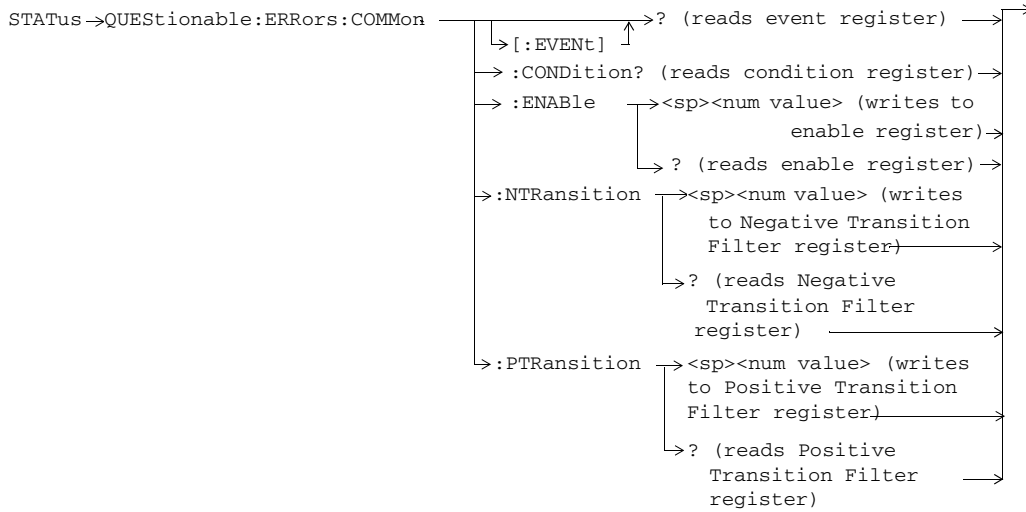
These commands are not applicable to GSM.



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

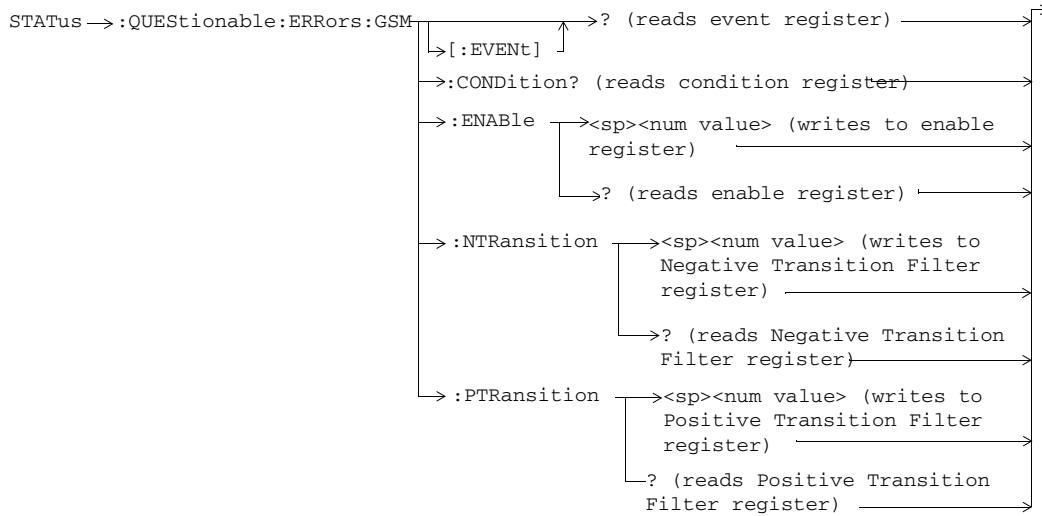


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**



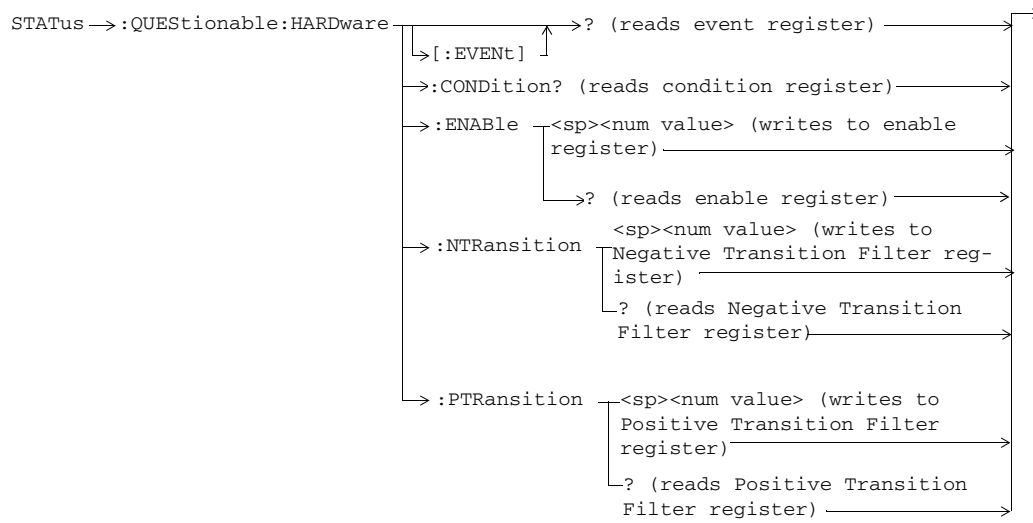
These commands are not applicable to GSM.

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



These commands are not applicable to GPRS.

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



**Status Byte Register**

\*STB?

\*STB? \_\_\_\_\_ ↘→

### Standard Event Status Register

**\*ESR?**

\*ESR? —————> Reads and clears the Std Event Status Register. ↗

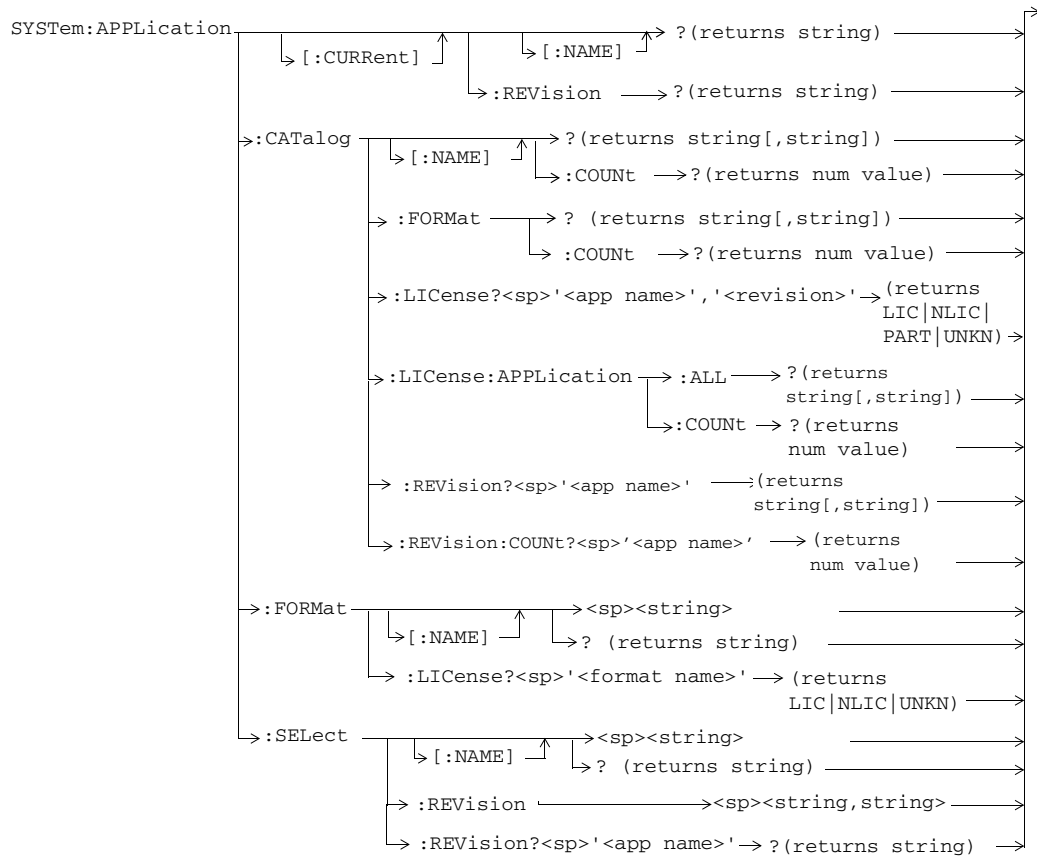
**\*ESE?**

\*ESE? —————> Reads the Std Event Status Register Enable Register ↗

**\*ESE**

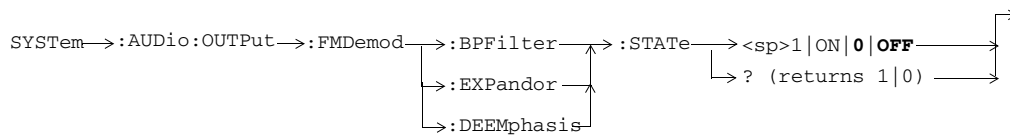
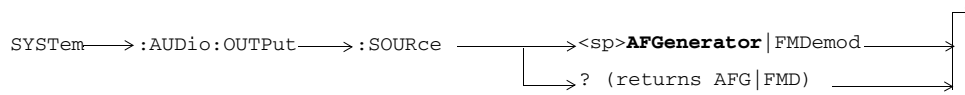
\*ESE —————> Writes to the Std Event Status Register Enable Register ↗

**SYSTem:APPLication**

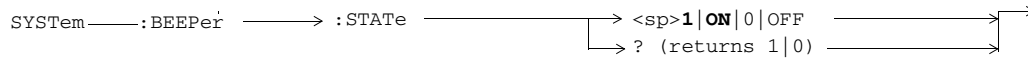


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

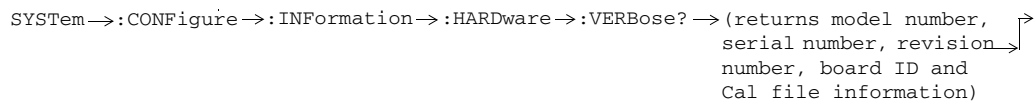
**SYSTEM:AUDIO**



**SYSTEM:BEEPER**

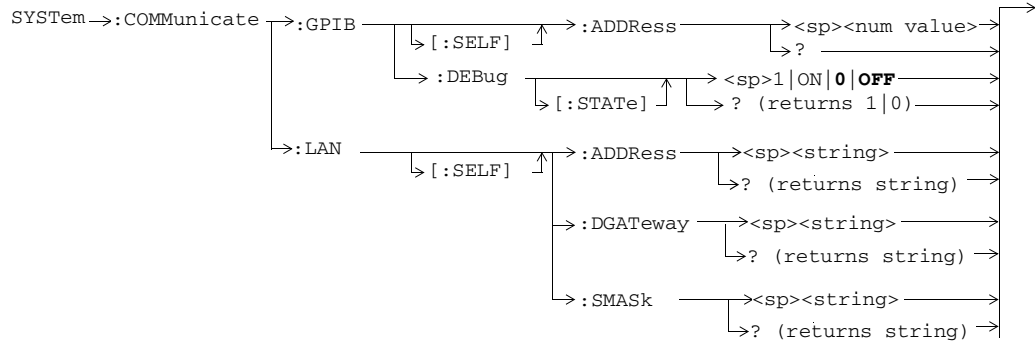


**SYSTEM:CONFIGURE**

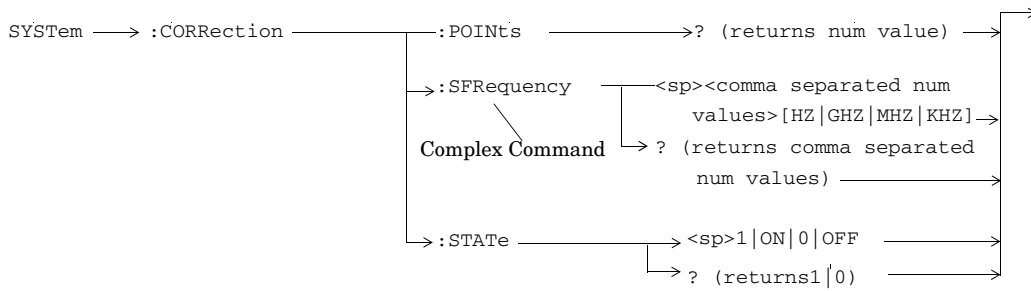
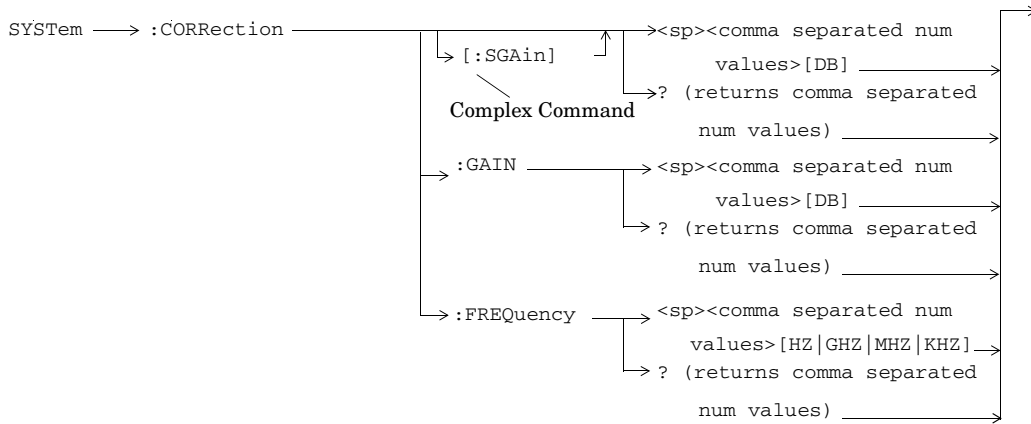




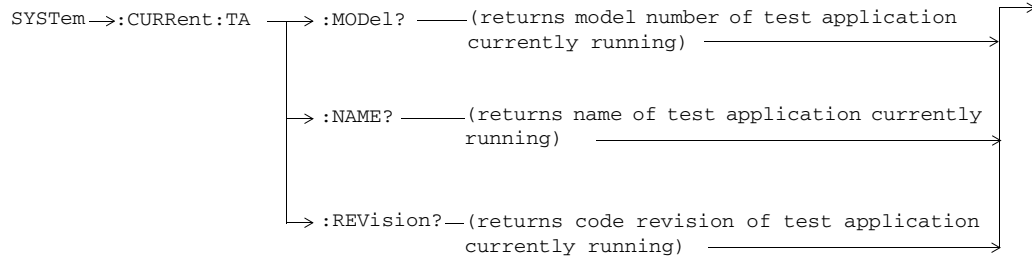
**SYSTem:COMMunicate**



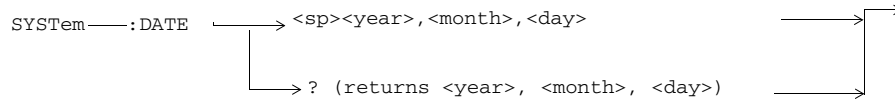
**SYSTEM:CORRection**



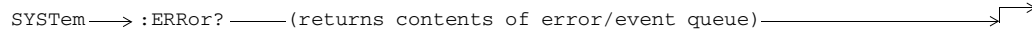
**SYSTem:CURRent:TA**



**SYSTem:DATE**

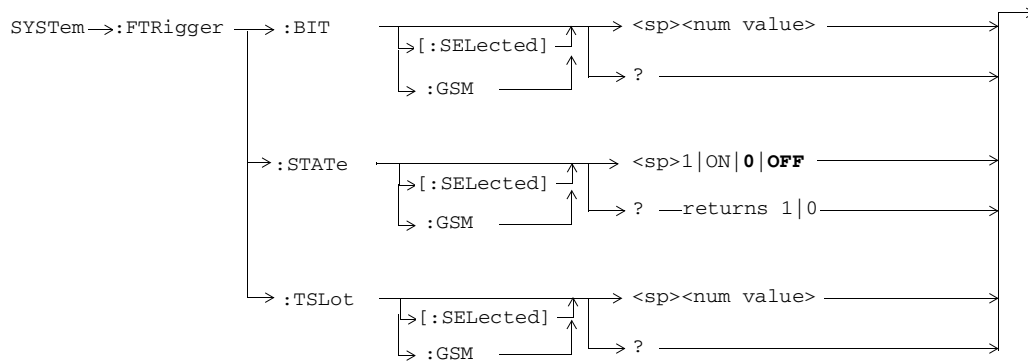


**SYSTem:ERRor?**

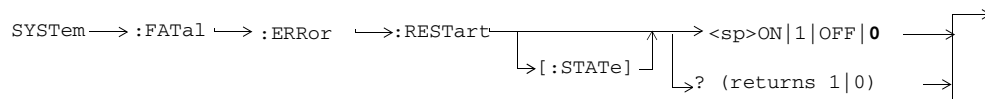


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

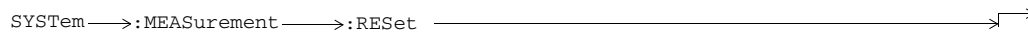
**SYSTEM:FTRigger**



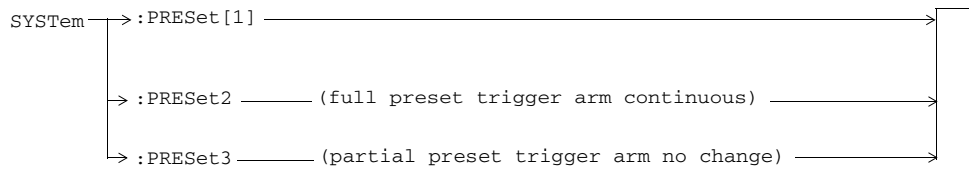
**SYSTEM:FATal**



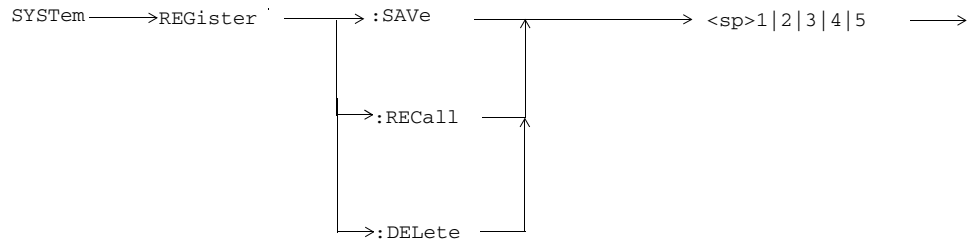
**SYSTEM:MEASurement**



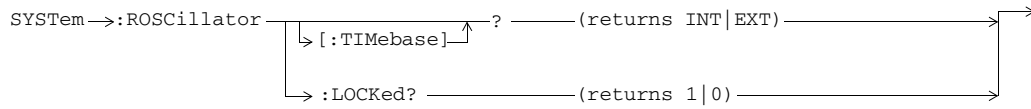
**SYSTEM:PRESet**



**SYSTEM:REGister**

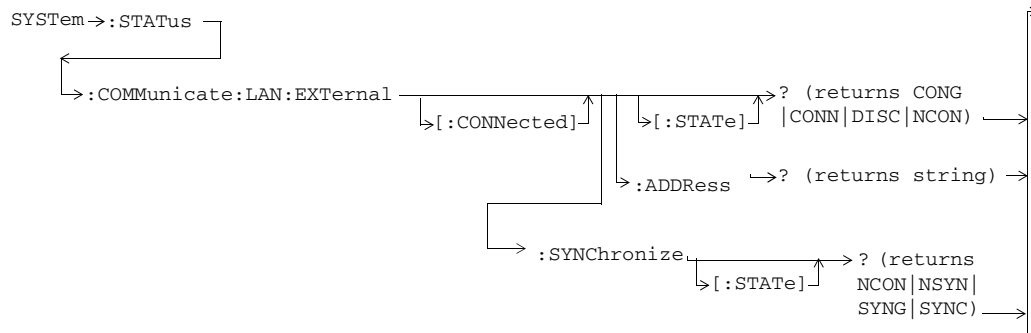


**SYSTEM:ROSCillator**

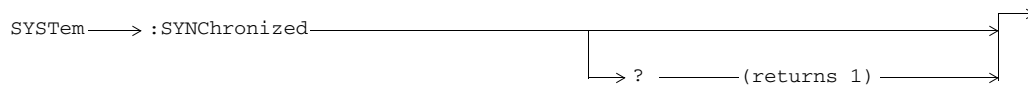


**GPIB Syntax for E1968A, E6701D/E/T, E6704A**

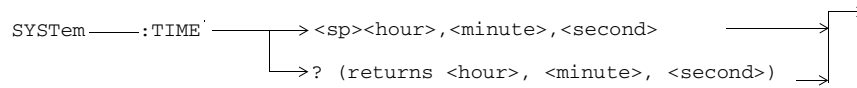
**SYSTEM:STATUS**



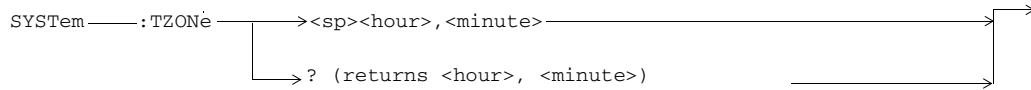
**SYSTEM:SYNCHRONIZED**



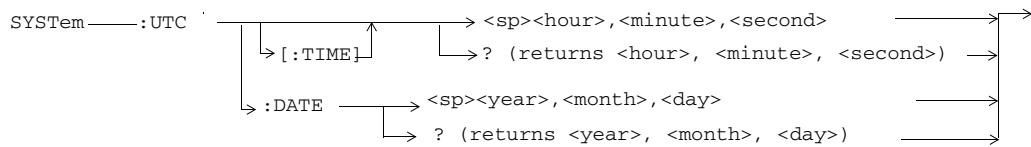
**SYSTEM:TIME**



**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

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

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.



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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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