

GPIB Command Syntax

for

E1962B cdma2000/IS-95/AMPS Mobile Test Application Revision B.12

E6702B cdma2000 Lab Application Revision B.05

E6702T Special Data Rate Lab Application Revision T.01

1000-1929

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www.agilent.com/find/E1962B

www.agilent.com/find/E6702B

www.agilent.com/find/E6702T



Agilent Technologies

NOTE: *This guide is applicable to the E6702T, however there are a few exceptions which can be found in the online user's guide available at <http://wireless.agilent.com/rfcomms/refdocs/cdma2k/default.php>*

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GPIB Syntax for E1962B, E6702B/T

Diagram Conventions

Description

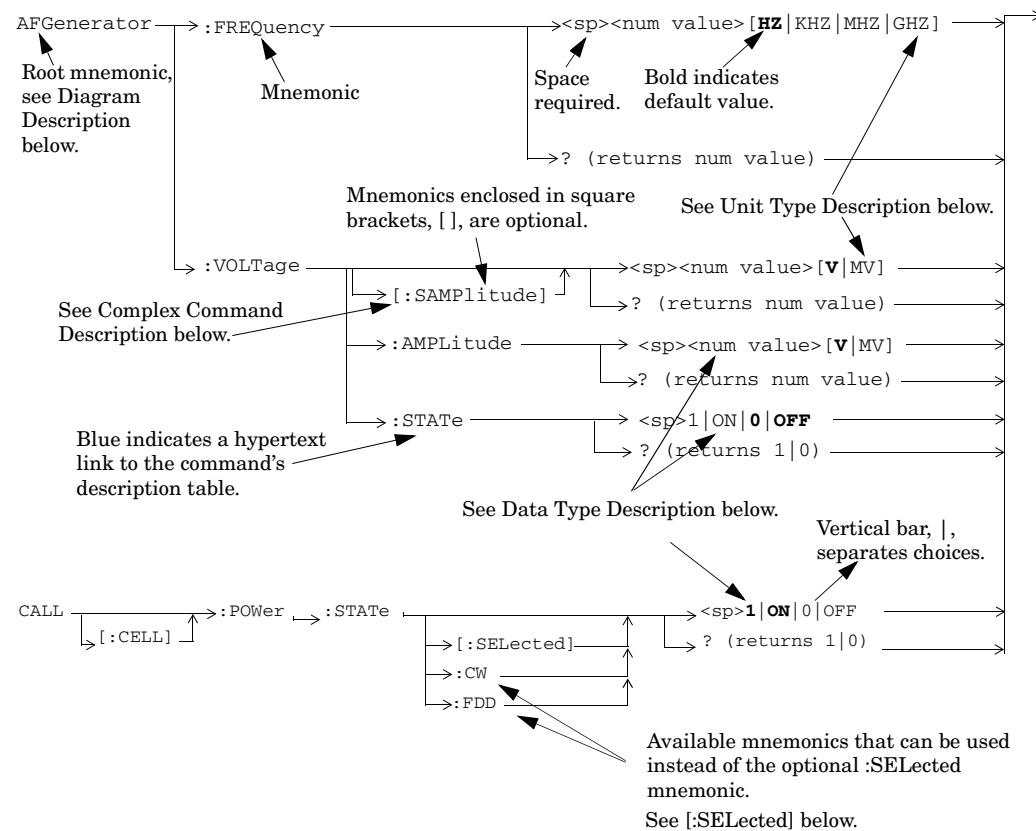


Diagram Description

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 E1962B, E6702B/T

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

GPIO Syntax for E1962B, E6702B/T

Unit Type Description

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

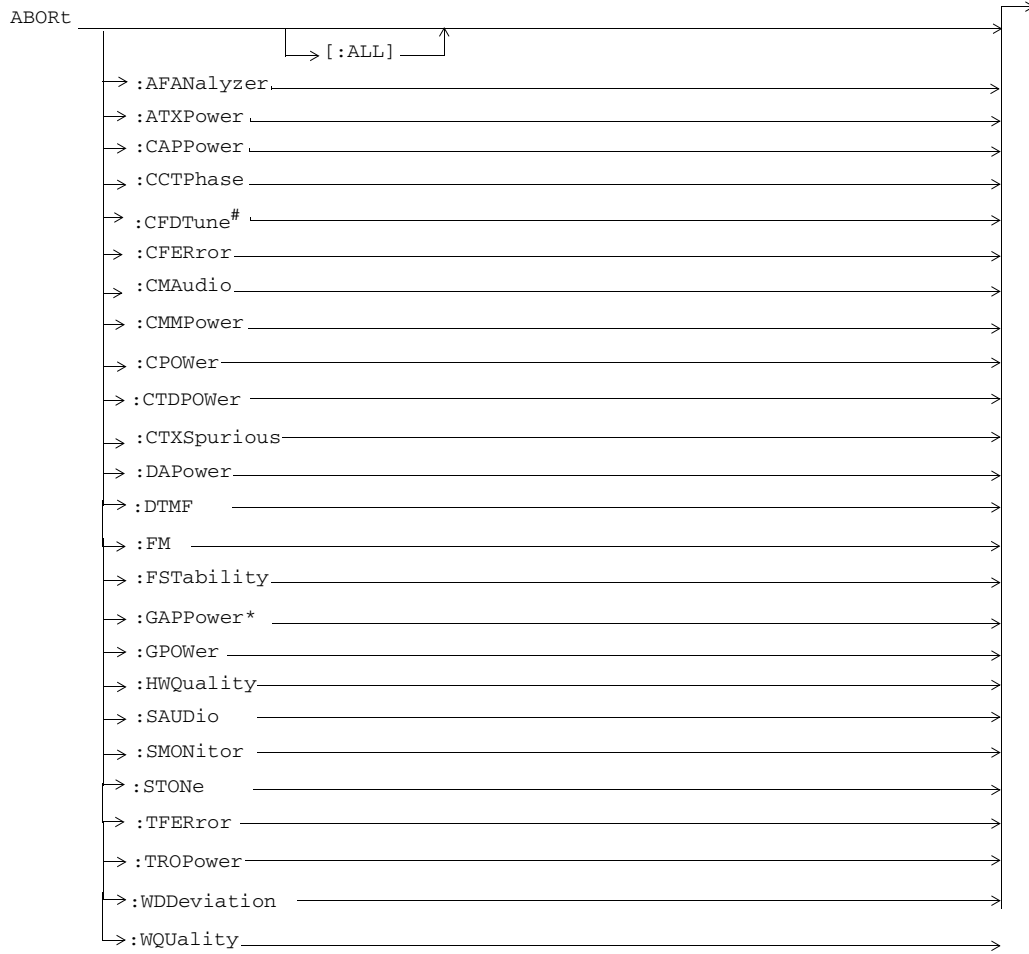
Description	Optional Units	Example
Amplitude (linear)	V MV	To set the spectrum monitor's timeout interval to 20 seconds, use any of the following formats: SETup:SMONitor:TIMEout:TIME 20 SETup:SMONitor:TIMEout:TIME 20S SETup:SMONitor:TIMEout:TIME 20 S
Power (logarithmic)	DBM DBW	
Level (relative)	DB	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

[[:SElected] Mnemonic

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

CALL[:CELL]:POWER:AMPLitude[:SElected]		Available mnemonics that can be used instead of the optional [[:SElected] mnemonic.
CALL[:CELL]:POWER:AMPLitude:(CWIFDD) ←		
Function	Sets/queries the desired cell power level. (See "Cell Power" information about desired versus current power levels.) The optional [[:SElected] keyword in this command specified applies to the current system type (see "CALL[:CELL]:POWER:MODE" settings for the CW operating mode are independent of operating modes.	
Setting	Range: (This is the range of settings accepted, see "Cell Power Ranges" for the actual hardware range of the source) <ul style="list-style-type: none"> FDD: -165 dBm/3.84MHz to +37 dBm/3.84MHz CW: -177 dBm to +40 dBm 	

ABORt

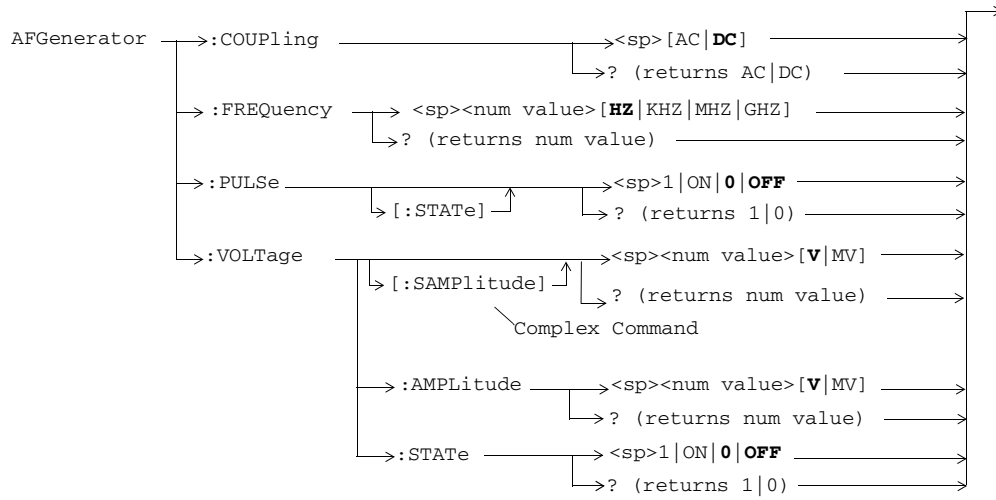


Only applicable to the lab application or feature-licensed test application.

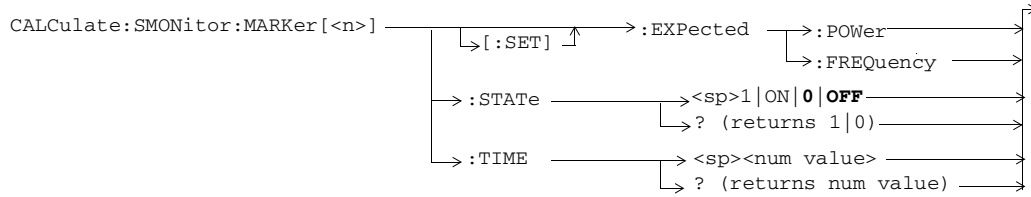
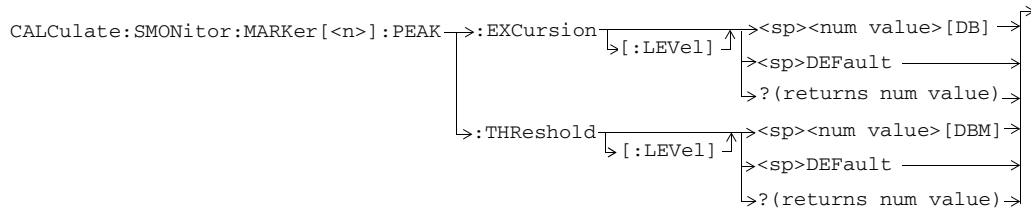
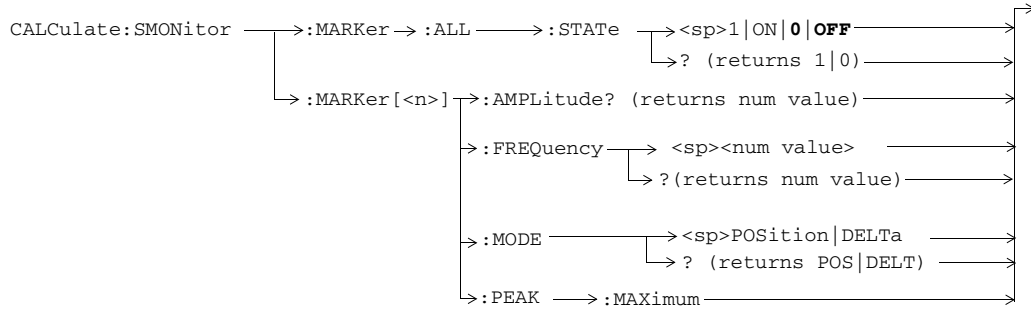
* This command is only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T

AFGenerator

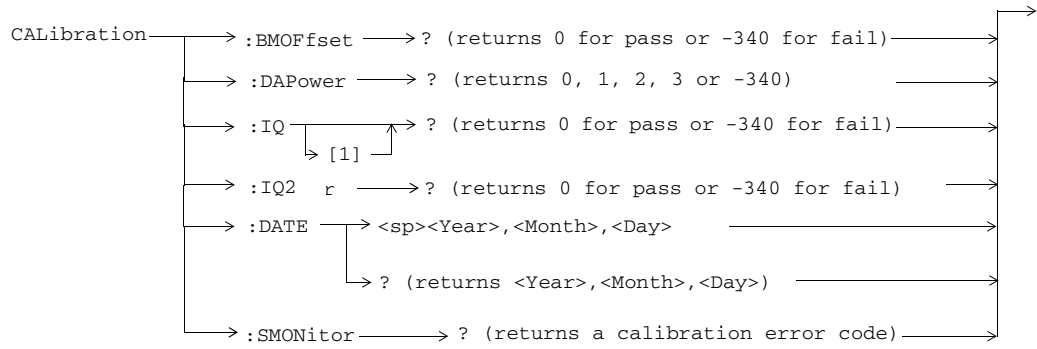


CALCulate:SMONitor

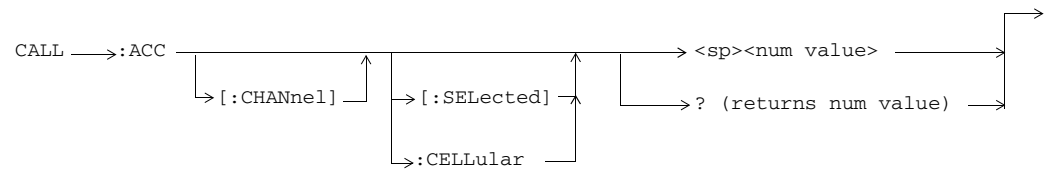


GPiB Syntax for E1962B, E6702B/T

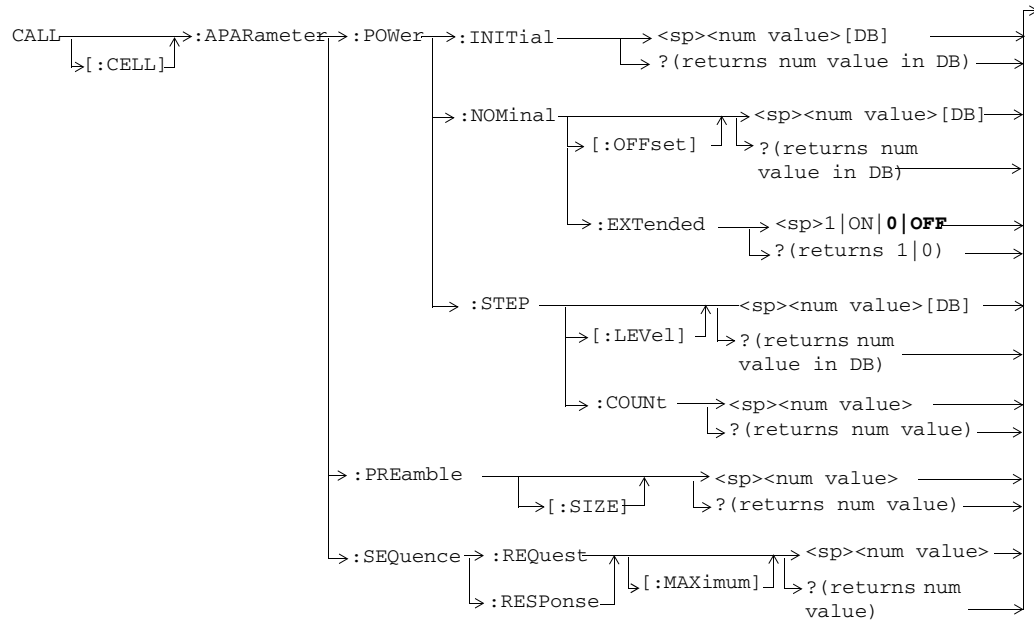
CALibration



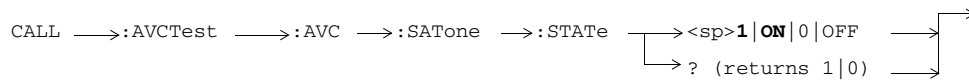
CALL:ACC



CALL:APARAmeter

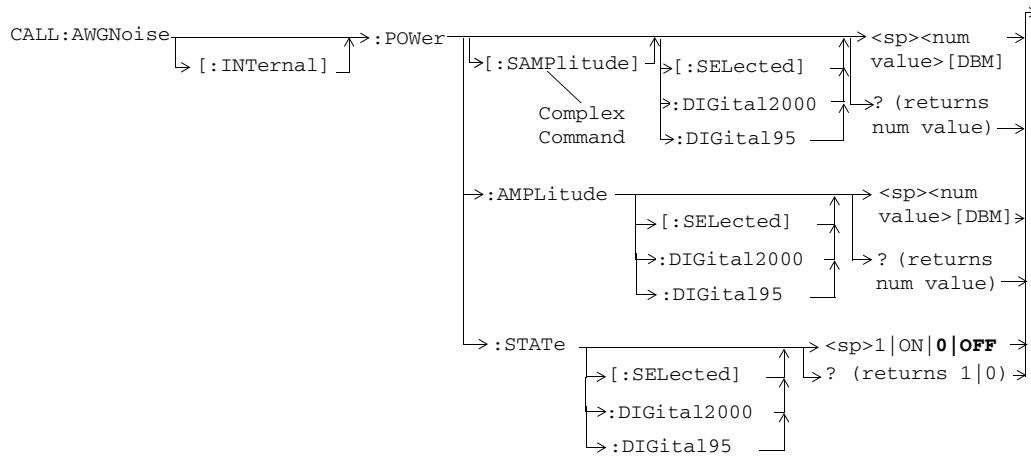


CALL:AVCTest

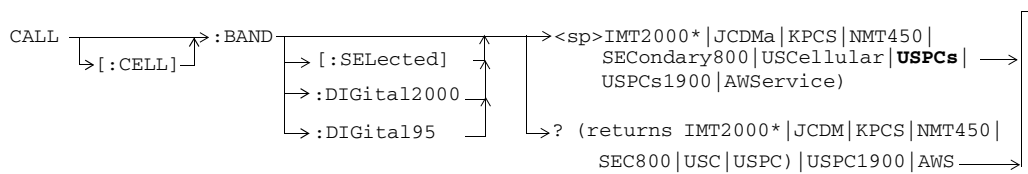


GPIO Syntax for E1962B, E6702B/T

CALL:AWGNoise

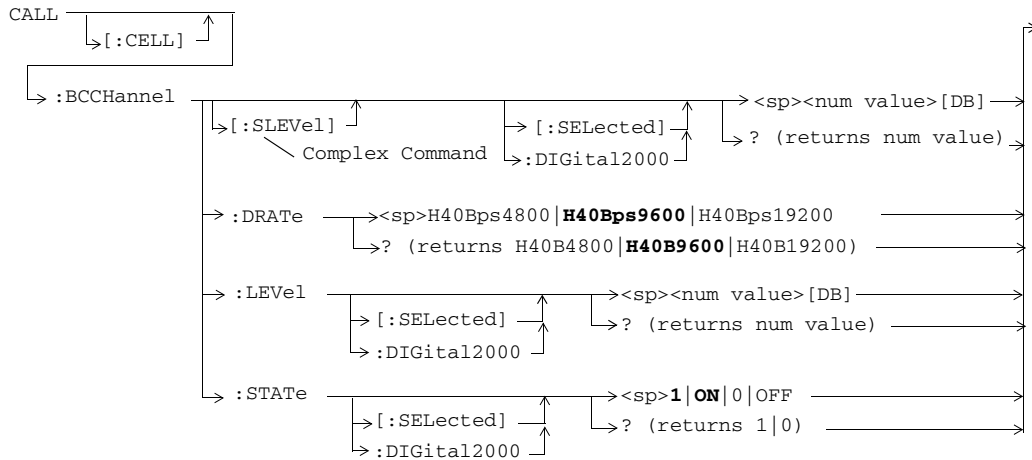


CALL:BAND



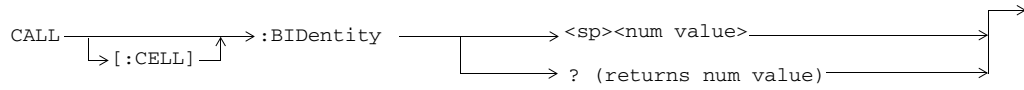
* This setting/query is not applicable to the DIGital95.

CALL:BCCHannel



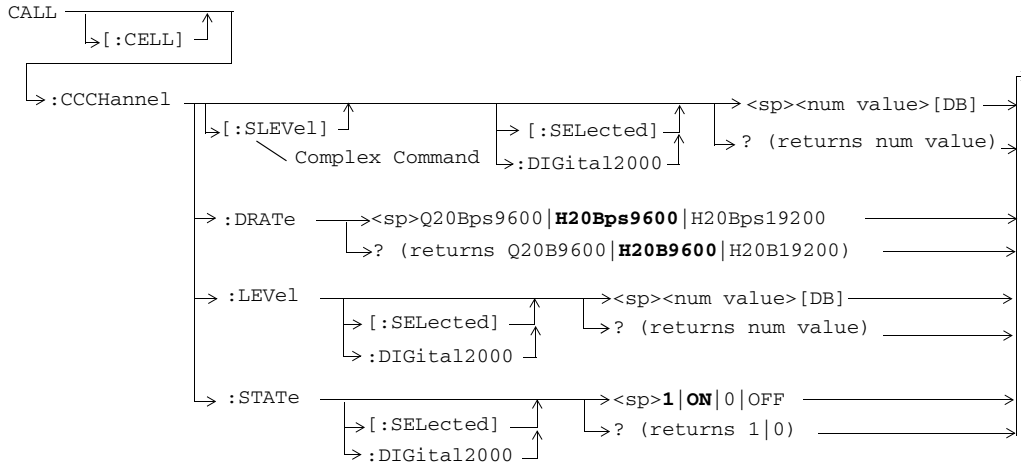
All commands shown in this diagram are only applicable to the lab application or feature-licensed test application.

CALL:BIIdentity



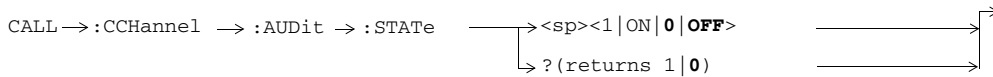
GPIO Syntax for E1962B, E6702B/T

CALL:CCChannel



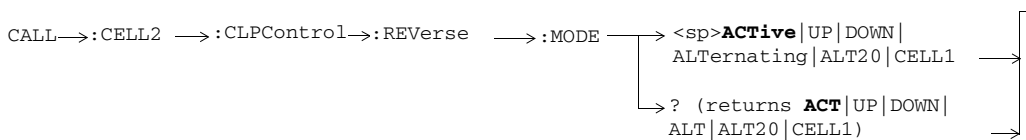
All commands shown in this diagram are only applicable to the lab application or feature-licensed test application.

CALL:CChannel



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

CALL:CELL2:CLPControl



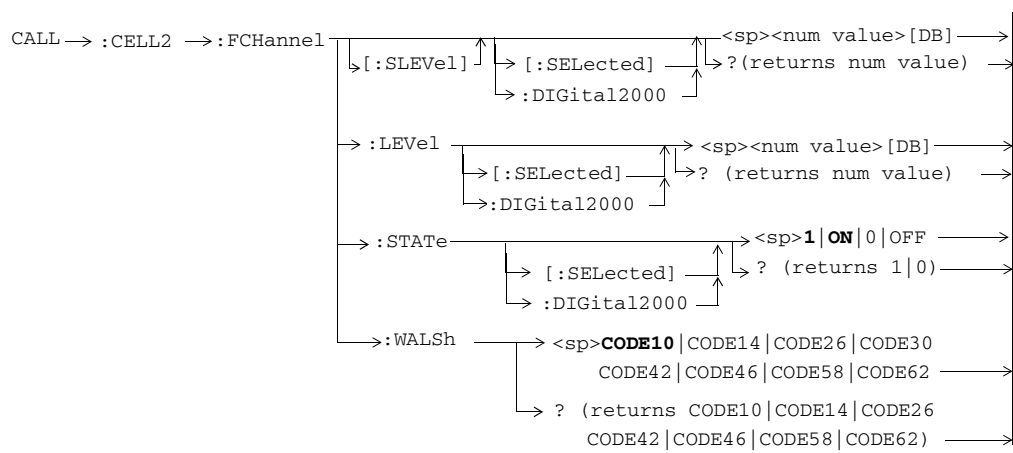
All commands shown in this diagram are only applicable to the lab application.

CALL:CELL2:DElAy



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

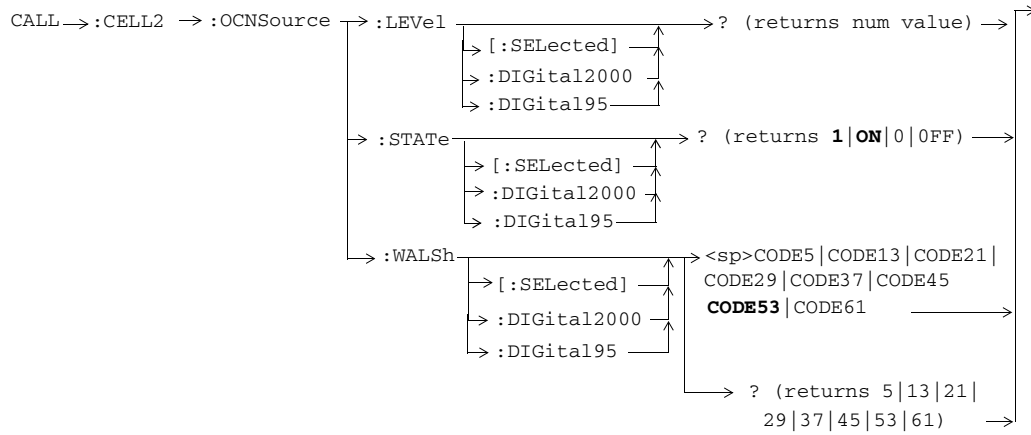
CALL:CELL2:FCHannel



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

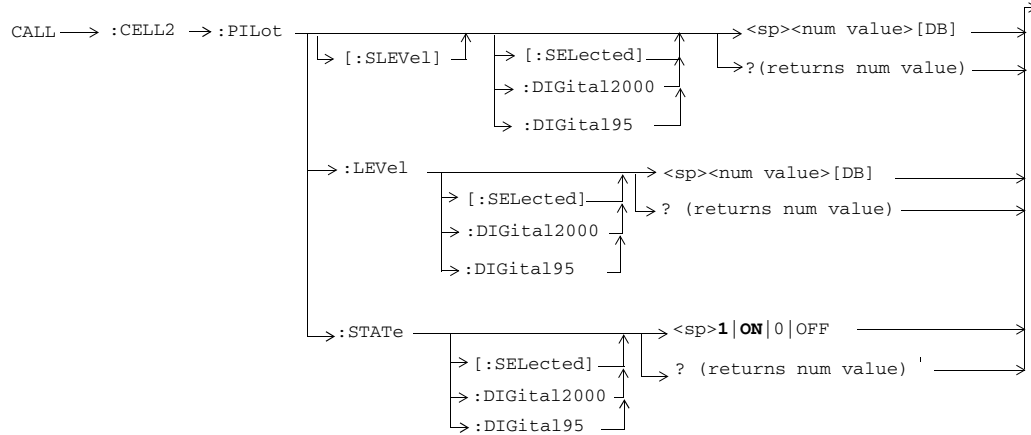
GPiB Syntax for E1962B, E6702B/T

CALL:CELL2:OCNSource



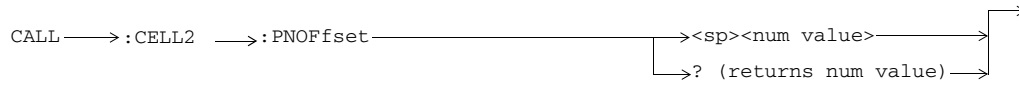
All commands shown in this diagram are only applicable to the lab application.

CALL:CELL2:PILot



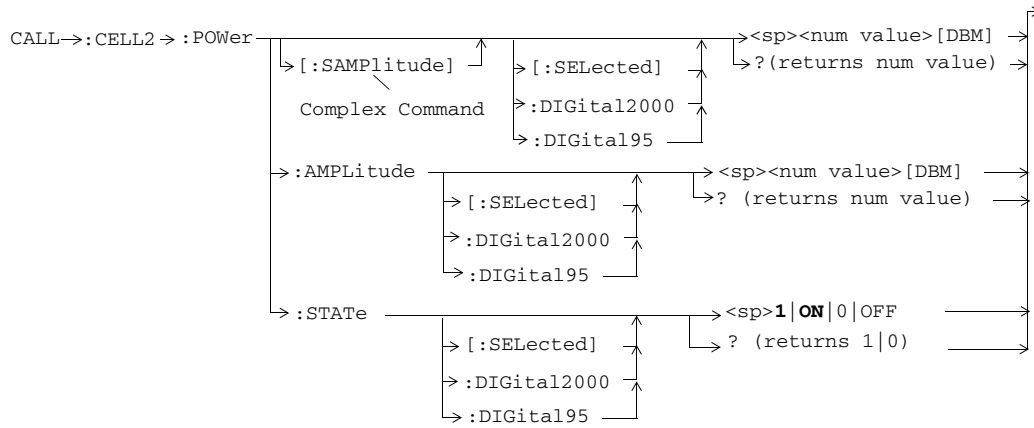
All commands shown in this diagram are only applicable to the lab application.

CALL:CELL2:PNOffset



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

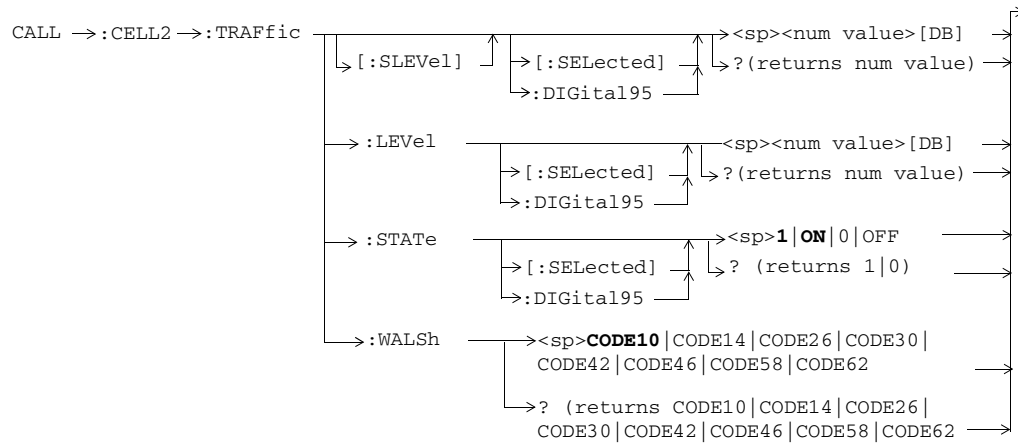
CALL:CELL2:POWer



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

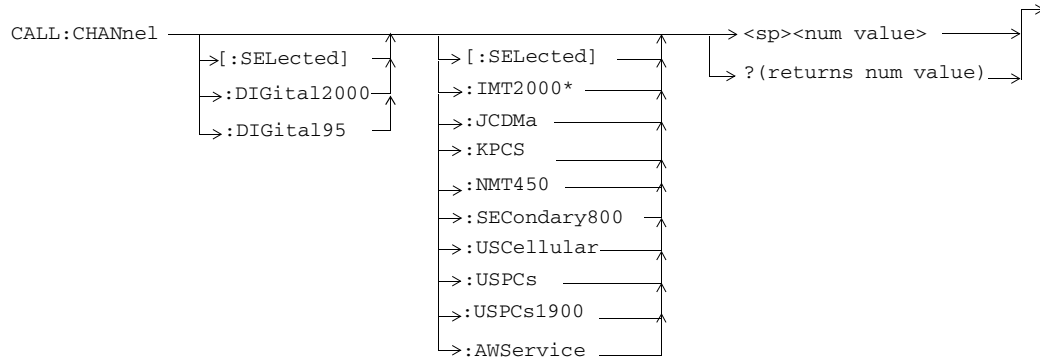
GPiB Syntax for E1962B, E6702B/T

CALL:CELL2:TRAFfic



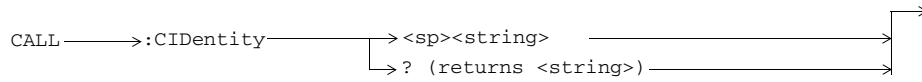
All commands shown in this diagram are only applicable to the lab application.

CALL:CHANnel

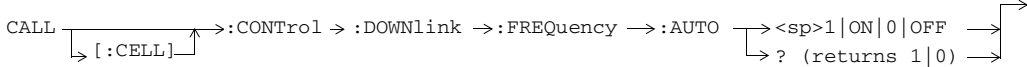


* This command does not apply to DIGital95.

CALL:CIDentity

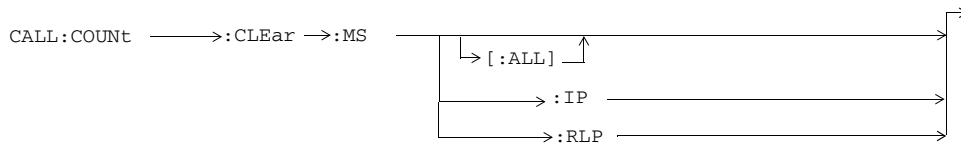


CALL:CONTrol

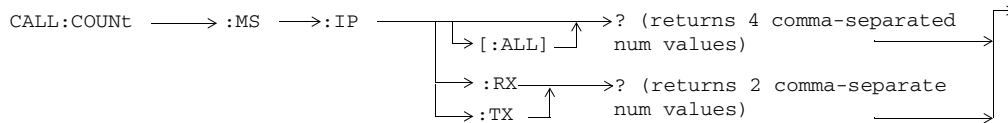


GPIB Syntax for E1962B, E6702B/T

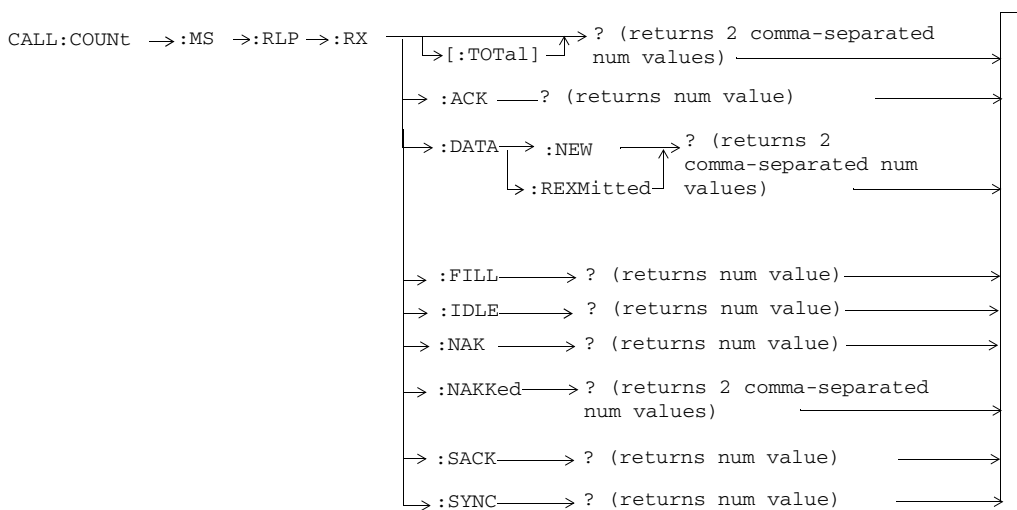
CALL:COUNT



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

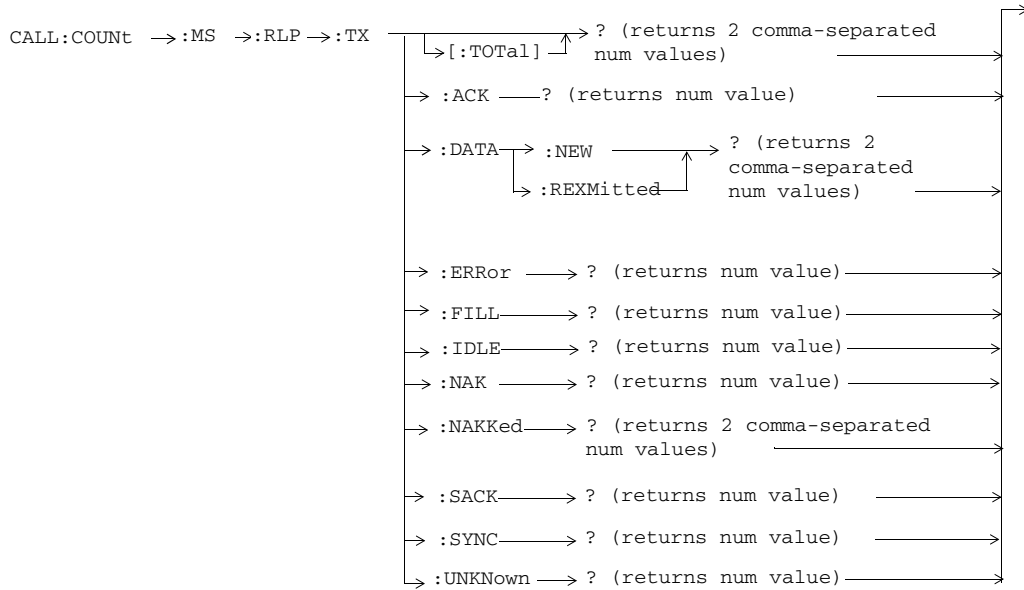


All commands shown in this diagram are only applicable to the lab application.



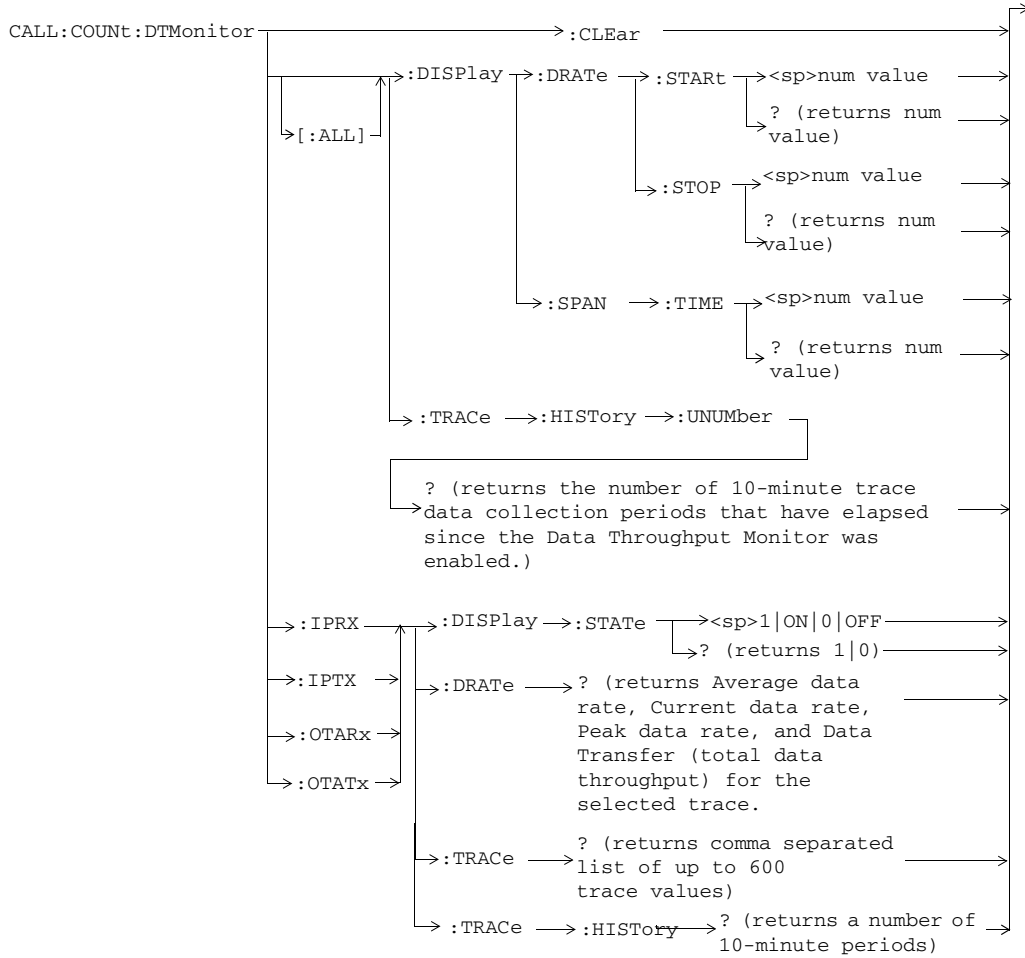
All commands shown in this diagram are only applicable to the lab application.

GPiB Syntax for E1962B, E6702B/T



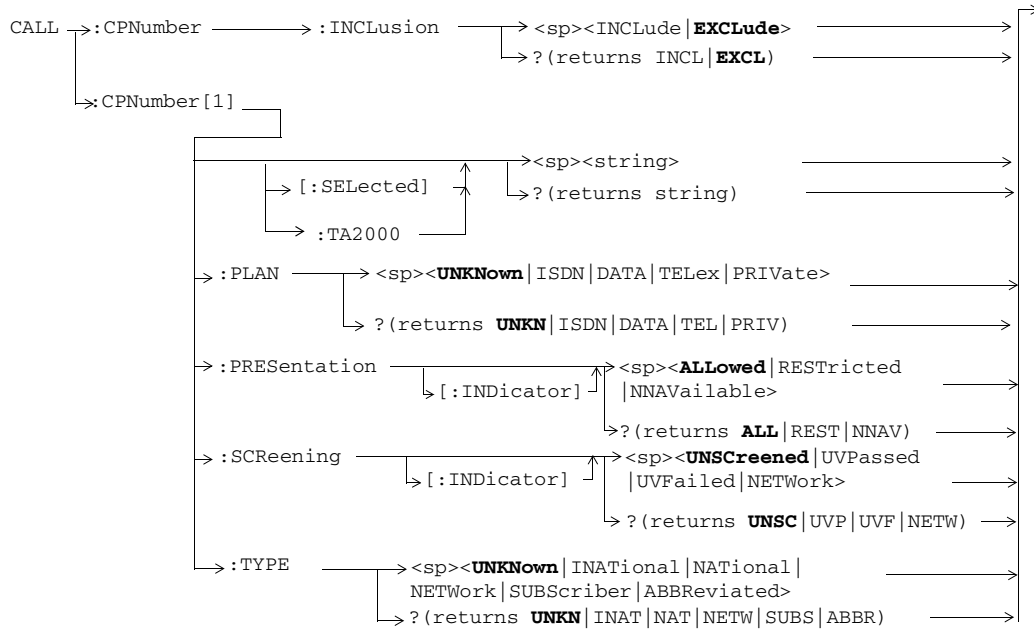
All commands shown in this diagram are only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T



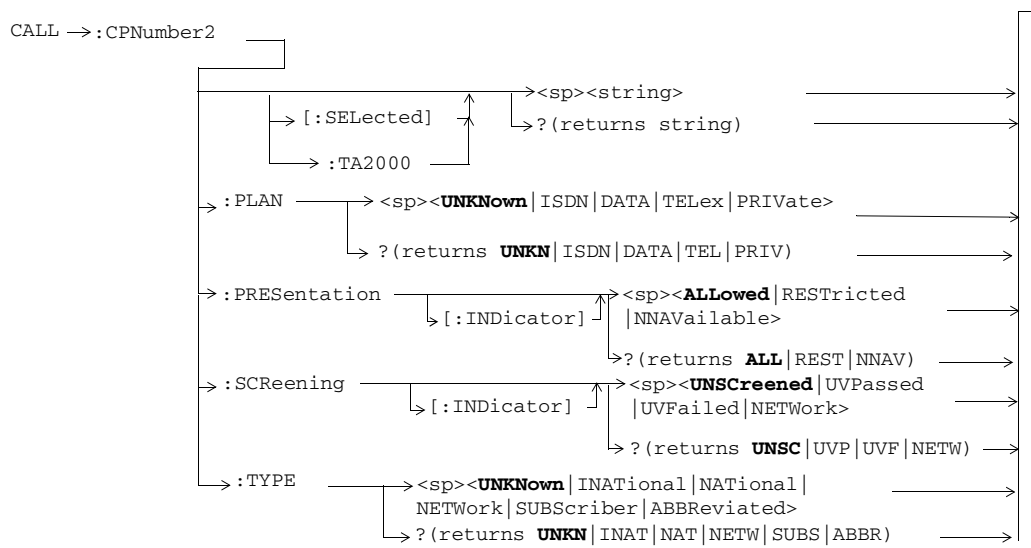
All commands shown in this diagram are only applicable to the lab application.

CALL:CPNumber



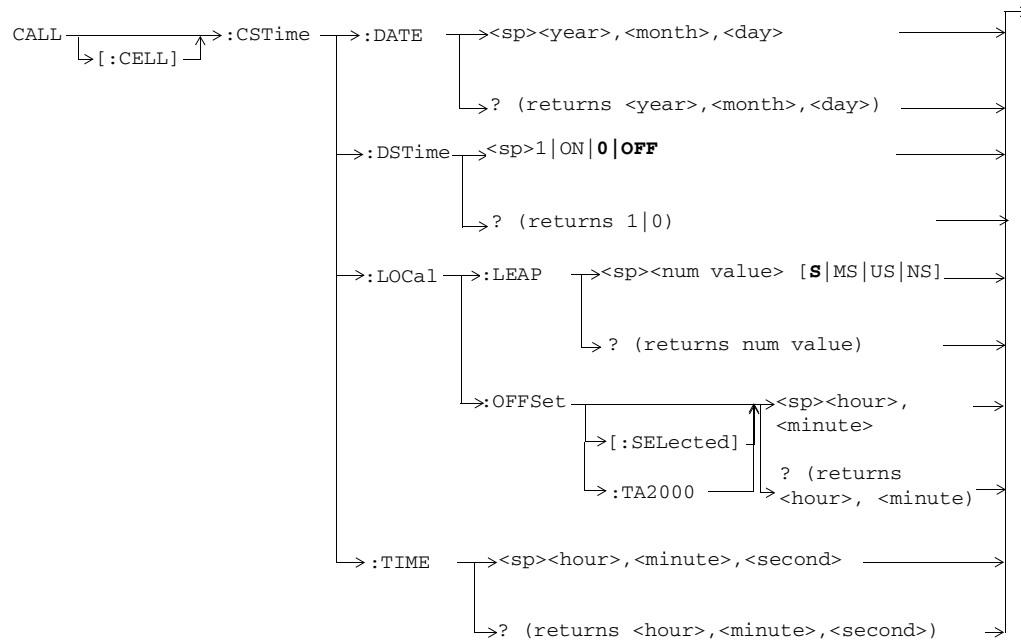
All commands shown in this diagram are only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T

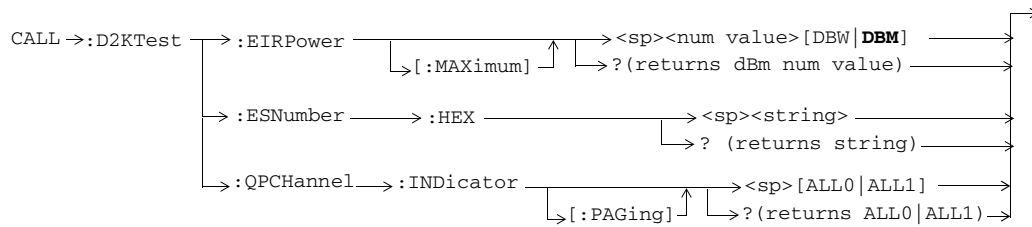


All commands shown in this diagram are only applicable to the lab application.

CALL:CSTime

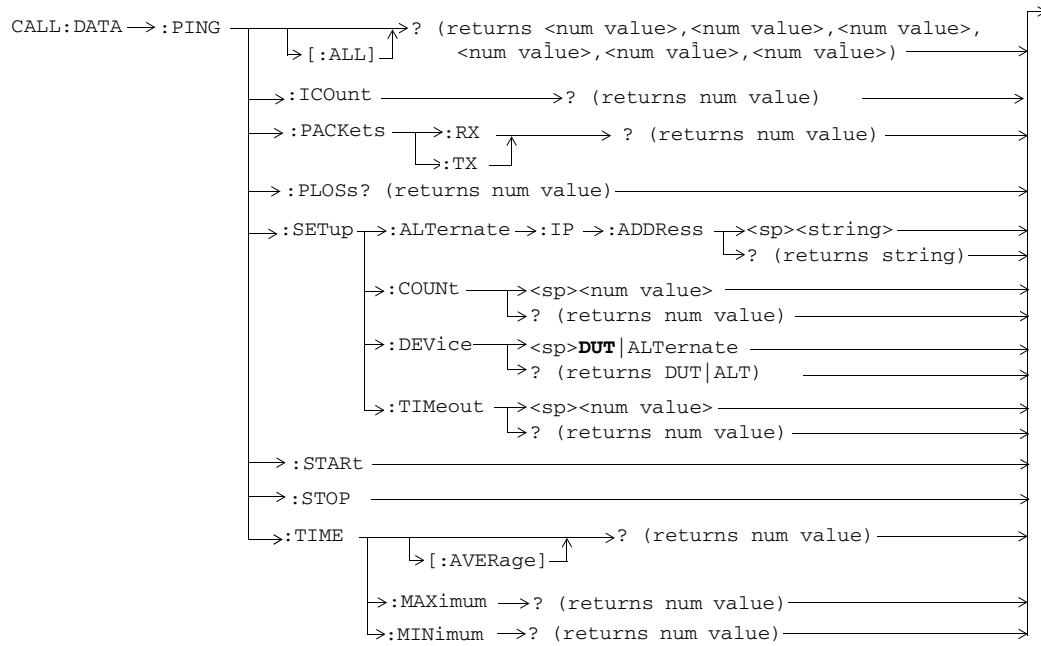


CALL:D2KTest



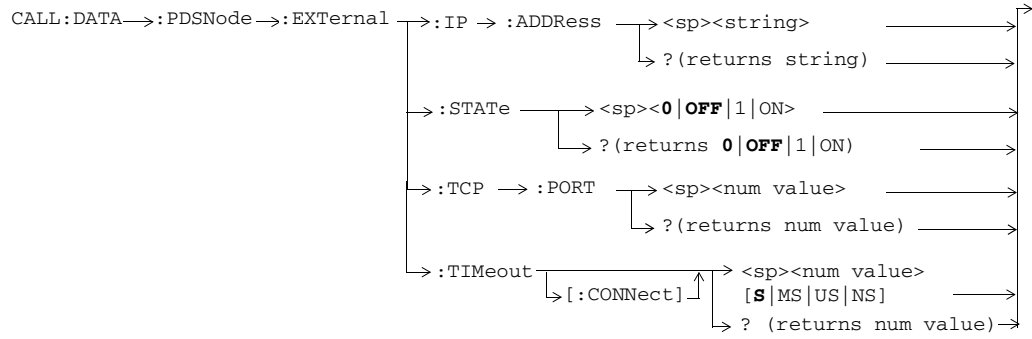
GPIB Syntax for E1962B, E6702B/T

CALL:DATA



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

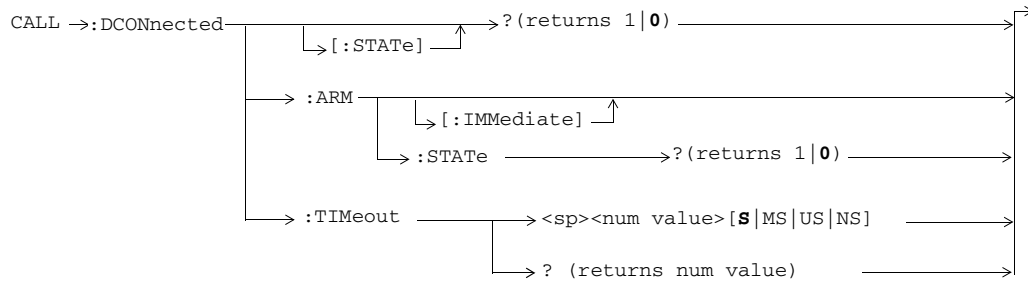
GPIB Syntax for E1962B, E6702B/T



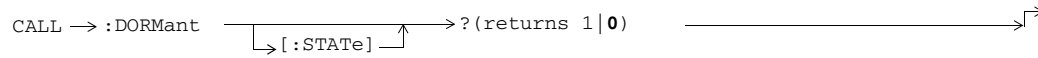
All commands shown in this diagram are only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T

CALL:DCONnected

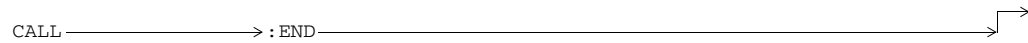


CALL:DORMant

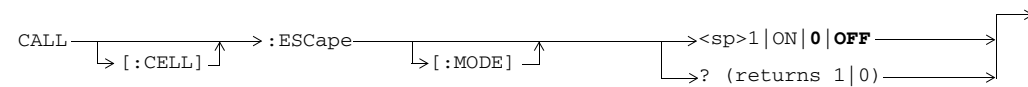


This command is only applicable to the lab application.

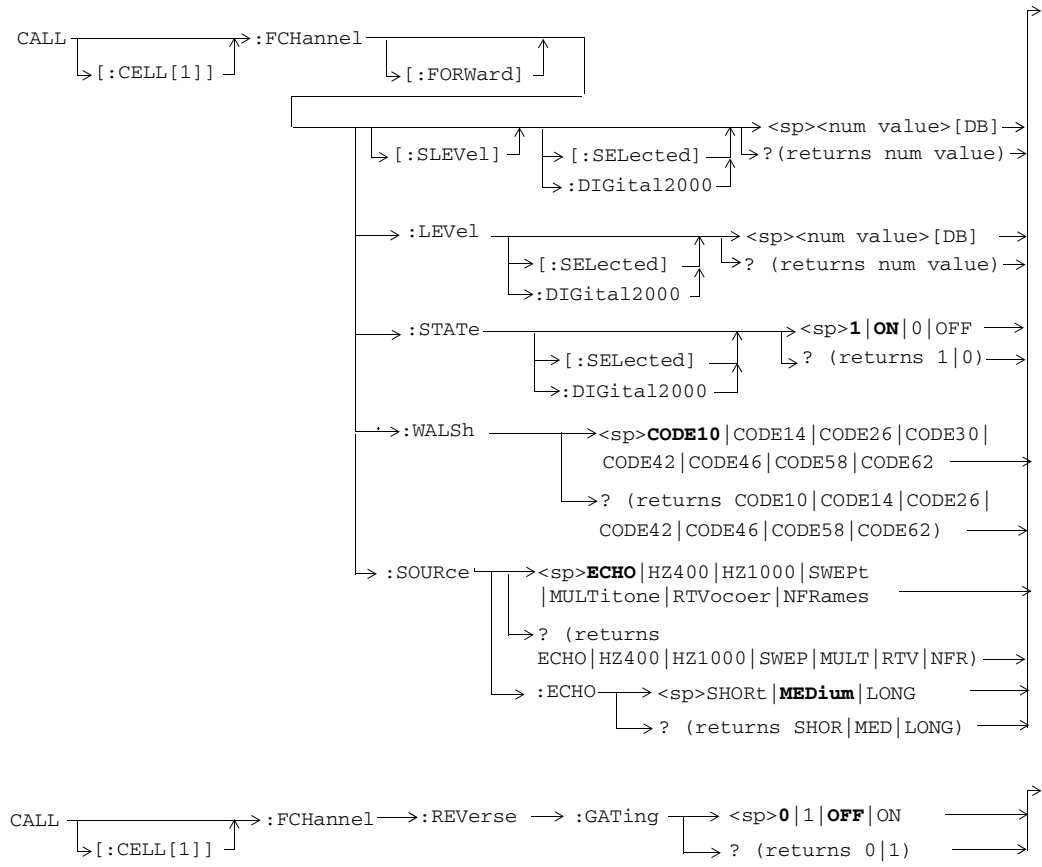
CALL:END



CALL:ESCApe



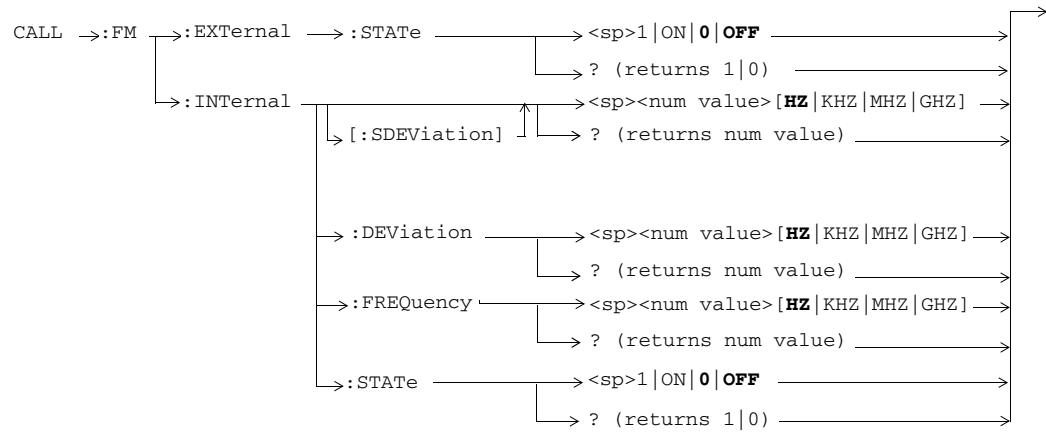
CALL:FCHannel



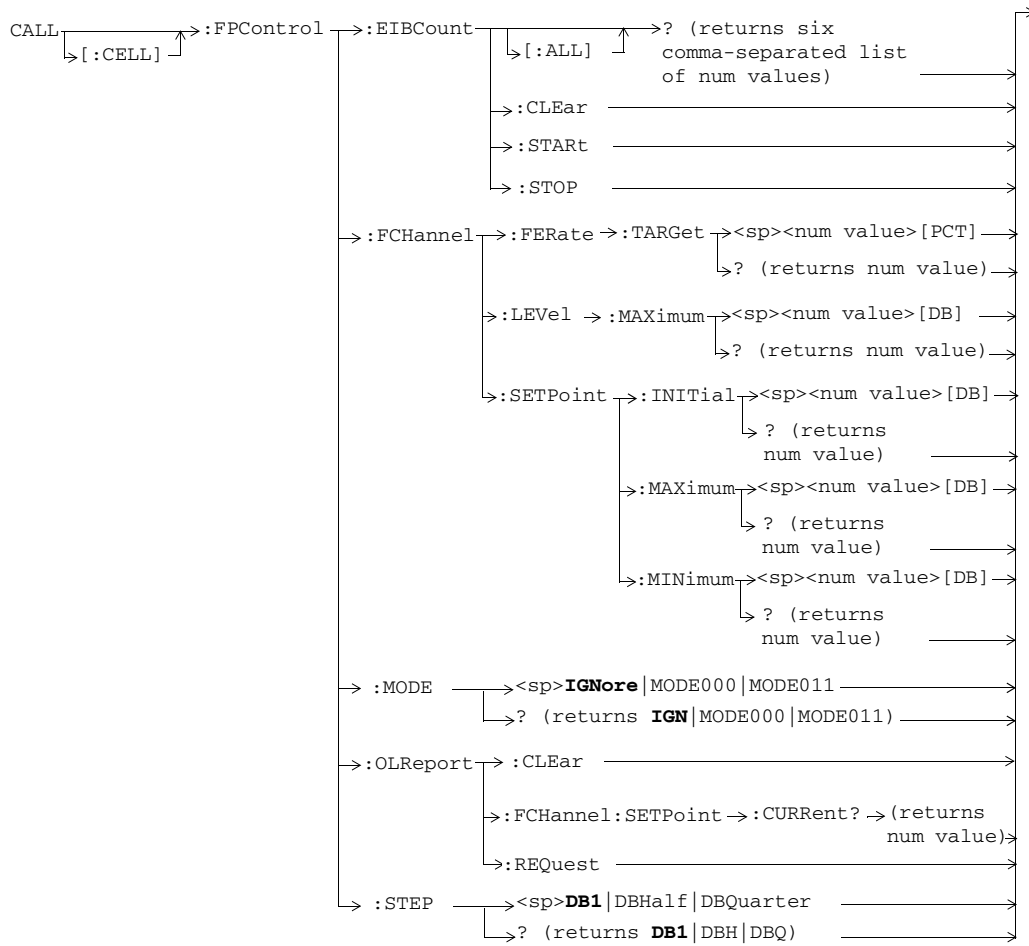
The commands in this diagram are only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T

CALL:FM

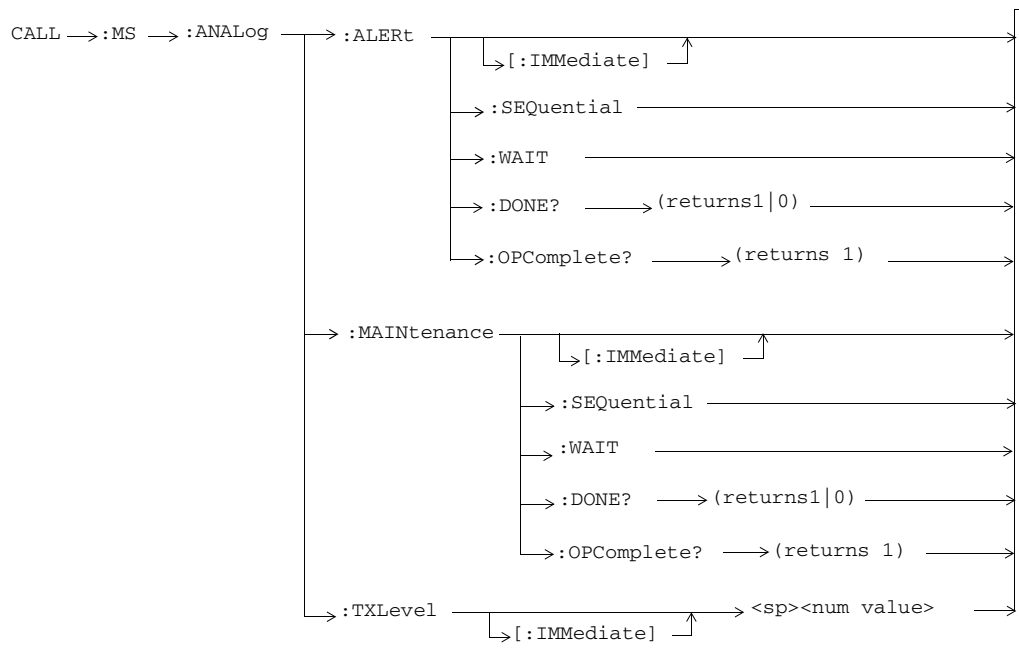


CALL:FPControl



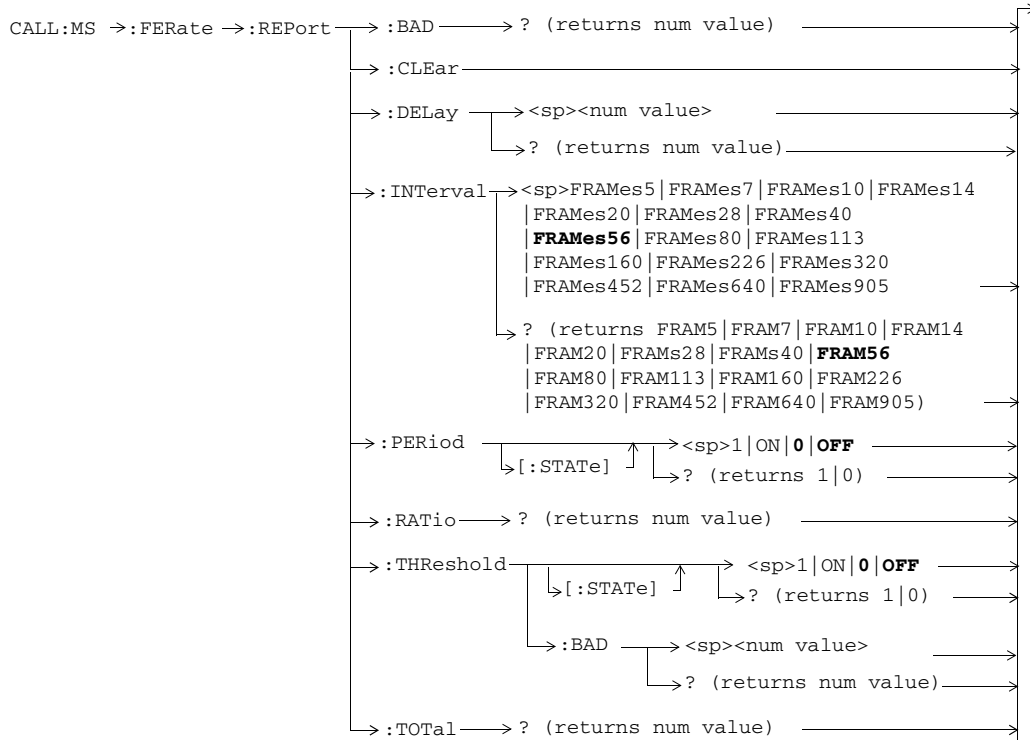
All commands shown in this diagram are only applicable to the lab application.

CALL:MS:ANALog



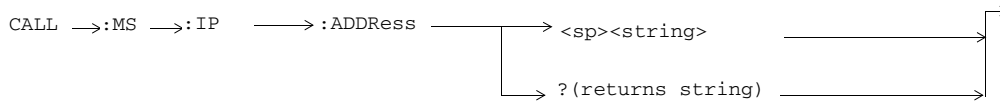
GPIB Syntax for E1962B, E6702B/T

CALL:MS:FERate



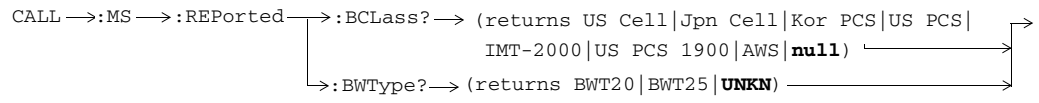
These commands are only applicable to the lab application.

CALL:MS:IP:ADDRess



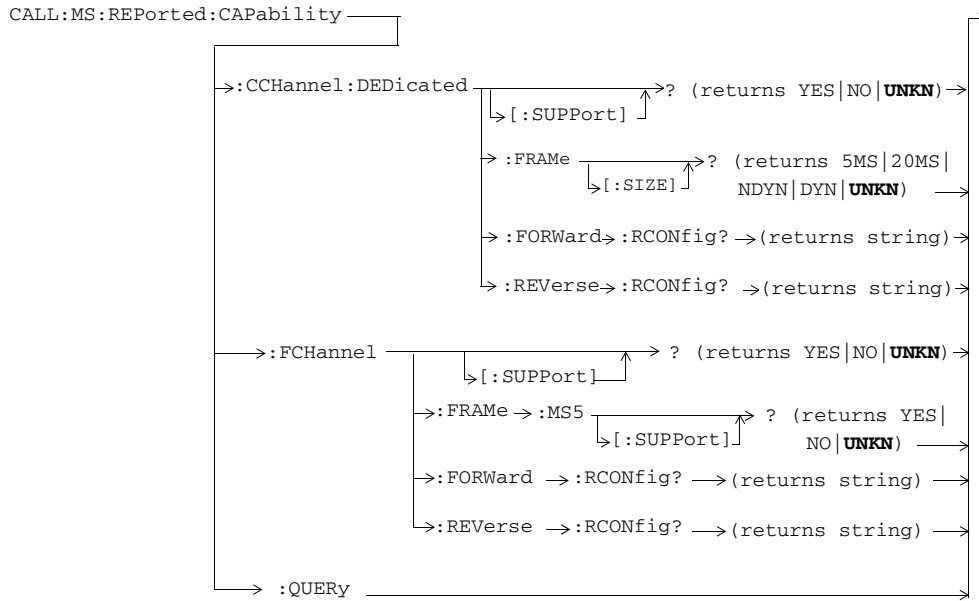
All commands shown in this diagram are only applicable to the lab application.

CALL:MS:REPorted<:BCLass|:BWType>

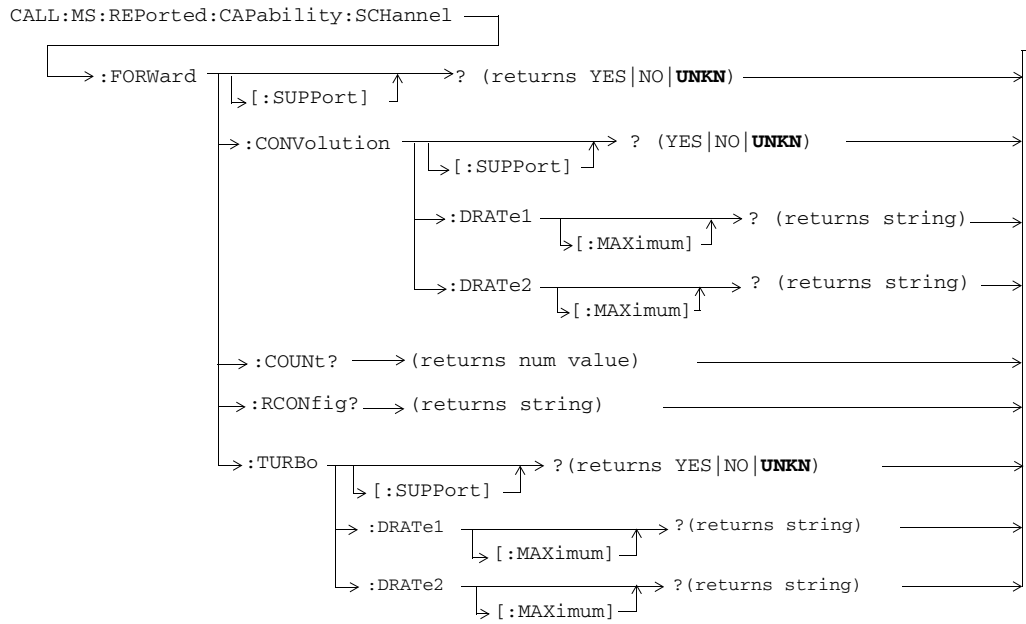


GPIB Syntax for E1962B, E6702B/T

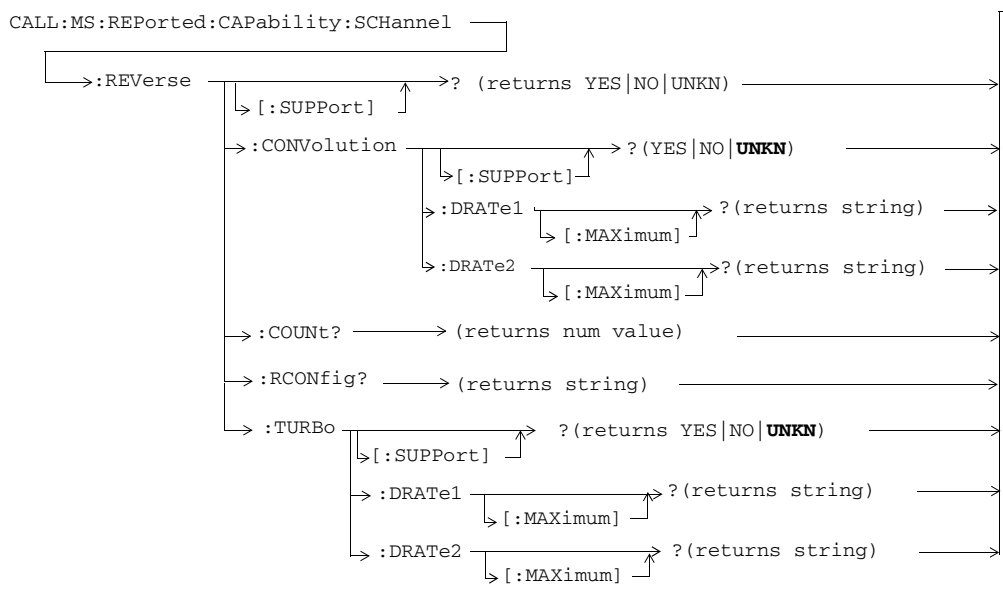
CALL:MS:REPorted:CAPability



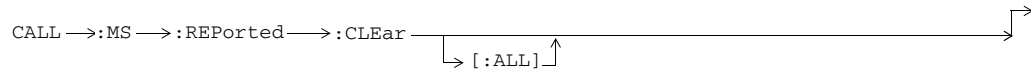
GPIB Syntax for E1962B, E6702B/T



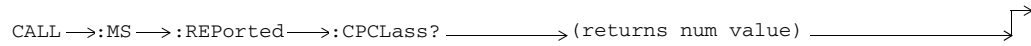
GPIB Syntax for E1962B, E6702B/T



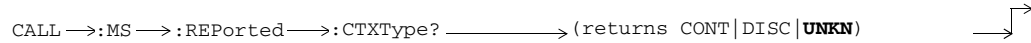
CALL:MS:REPorted:CLEar



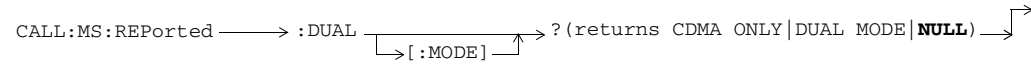
CALL:MS:REPorted:CPClass



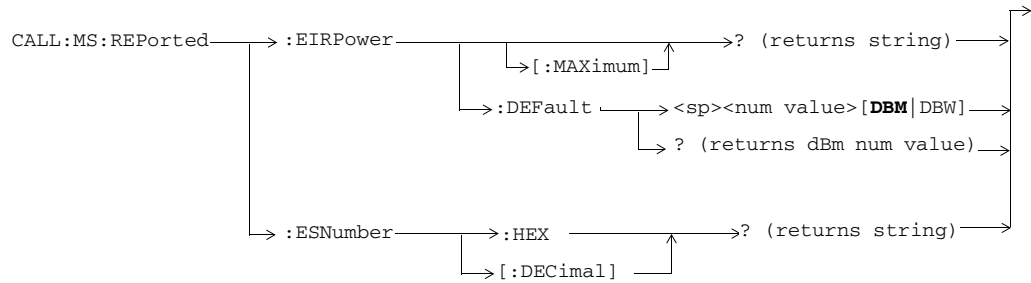
CALL:MS:REPorted:CTXType



CALL:MS:REPorted:DUAL

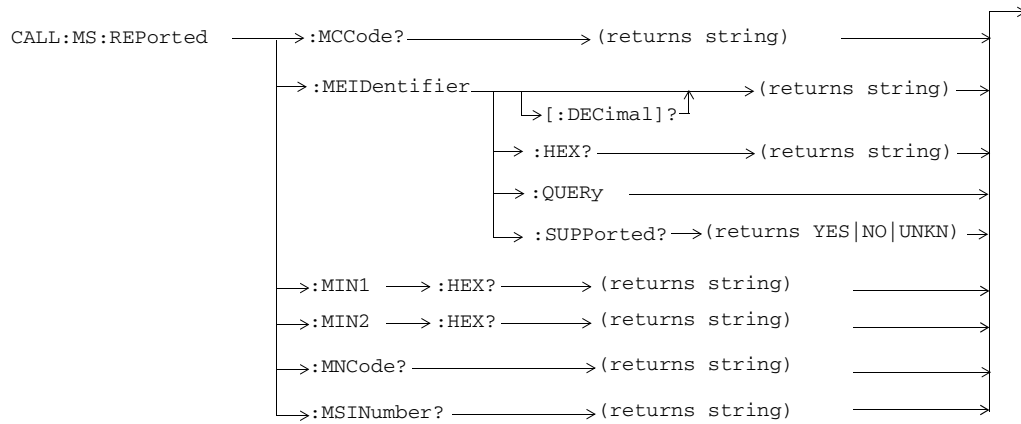


CALL:MS:REPorted<:EIRPower | :ESNumber>

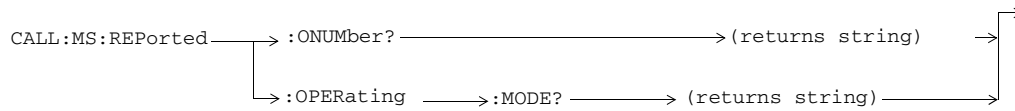


GPIB Syntax for E1962B, E6702B/T

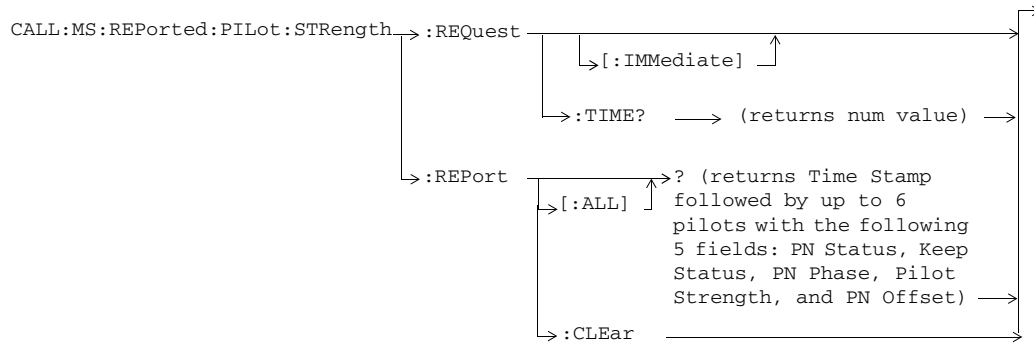
CALL:MS:REPorted<:MCC | :MEID | :MIN1 | :MIN2 | :MNC | MSIN>



CALL:MS:REPorted<:ONUMber | :OPERating>

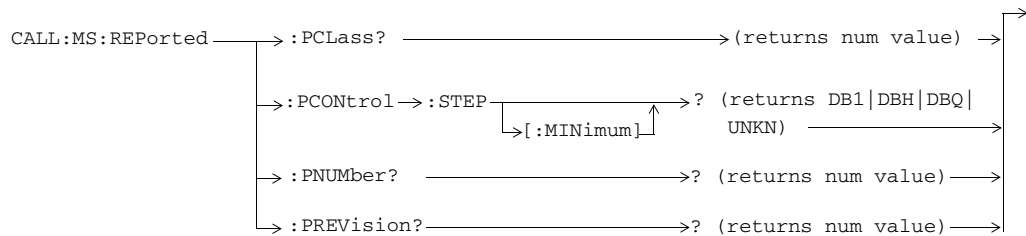


CALL:MS:REPorted:PILot:STRength

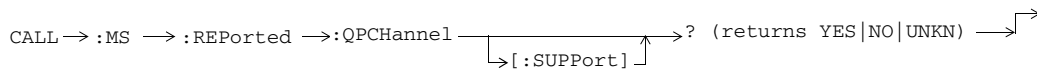


All commands shown in this diagram are only applicable to the lab application.

CALL:MS:REPorted<:PCLass|:PCONtrol|:PNUMber|:PREVision>

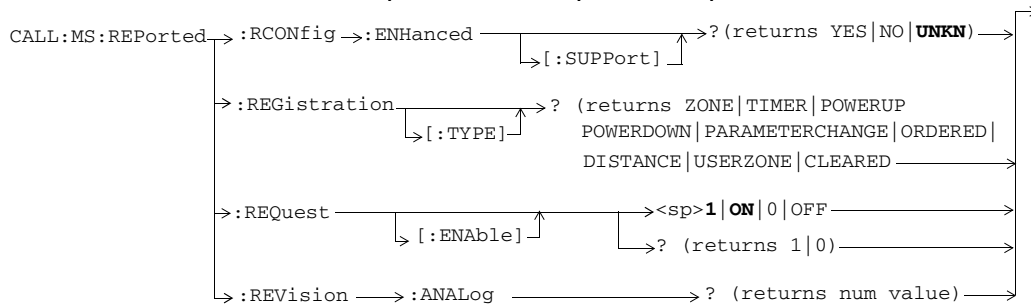


CALL:MS:REPorted:QPCHannel

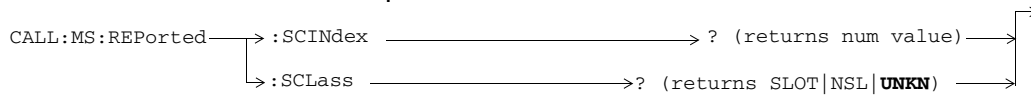


GPIB Syntax for E1962B, E6702B/T

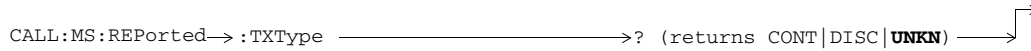
CALL:MS:REPorted<:RCONfig|:REGistration|:REQuest|:REVision>



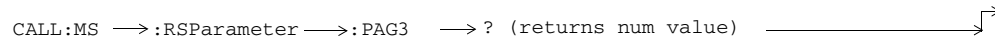
CALL:MS:REPorted<:SCINdex|:SCLass>



CALL:MS:REPorted:TXType

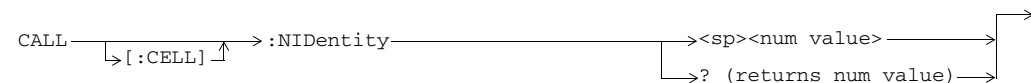


CALL:MS:RSPParameter

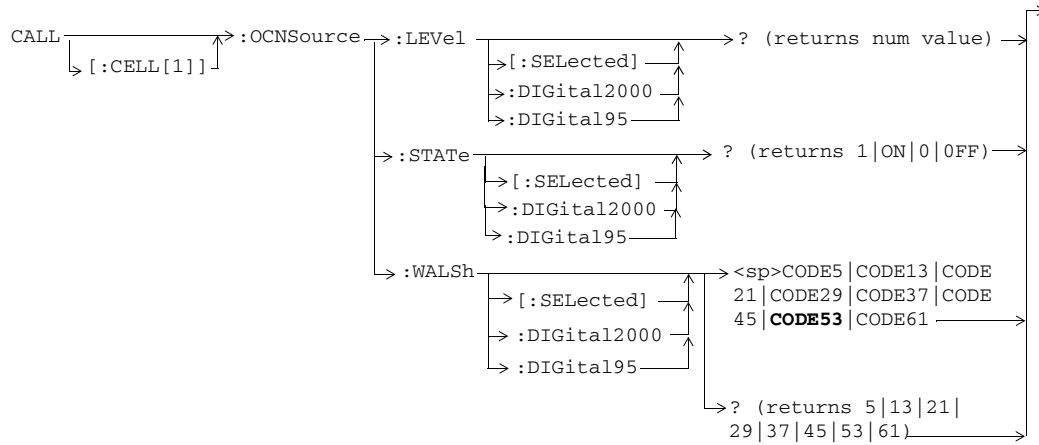


These commands are only applicable to the lab application.

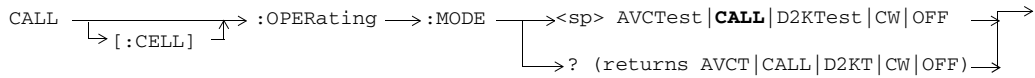
CALL:NIDentity



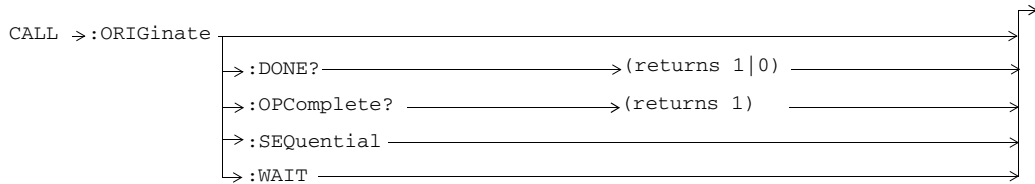
CALL:OCNSource



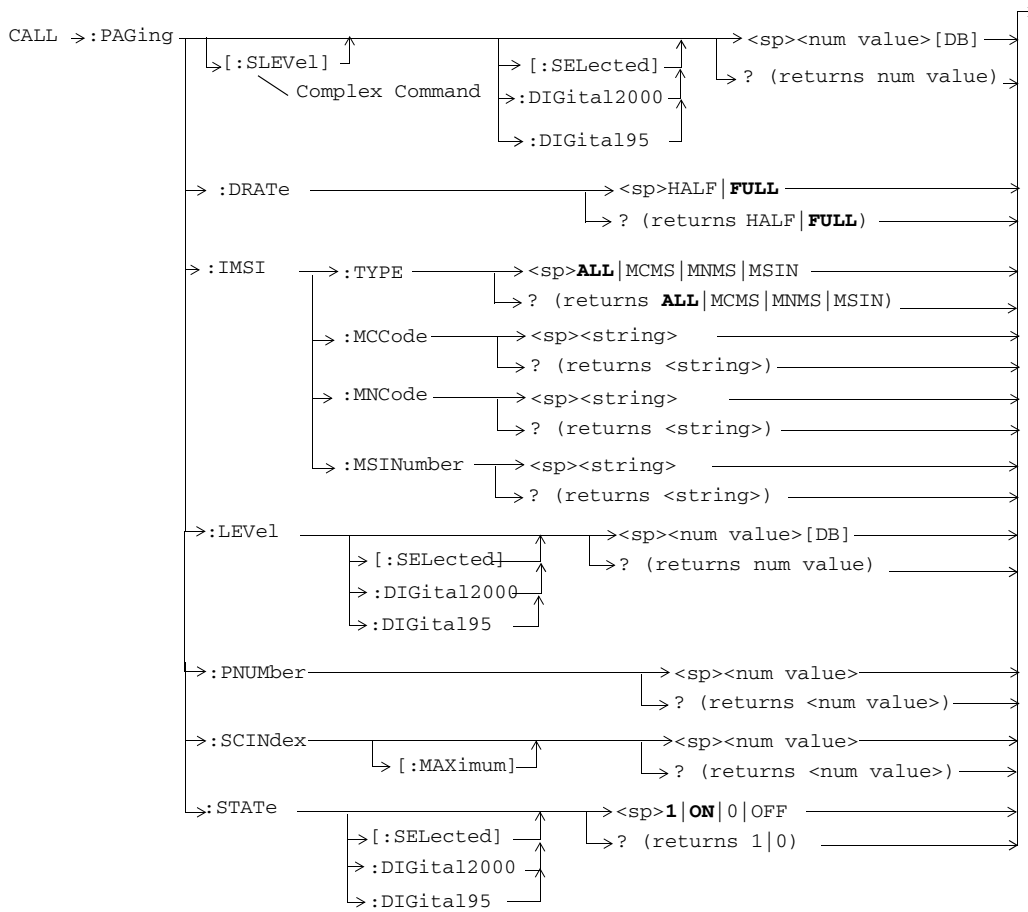
CALL:OPERating



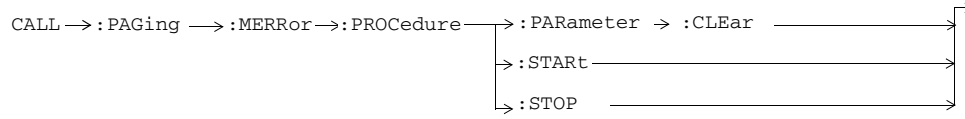
CALL:ORIGinate



CALL:PAGing



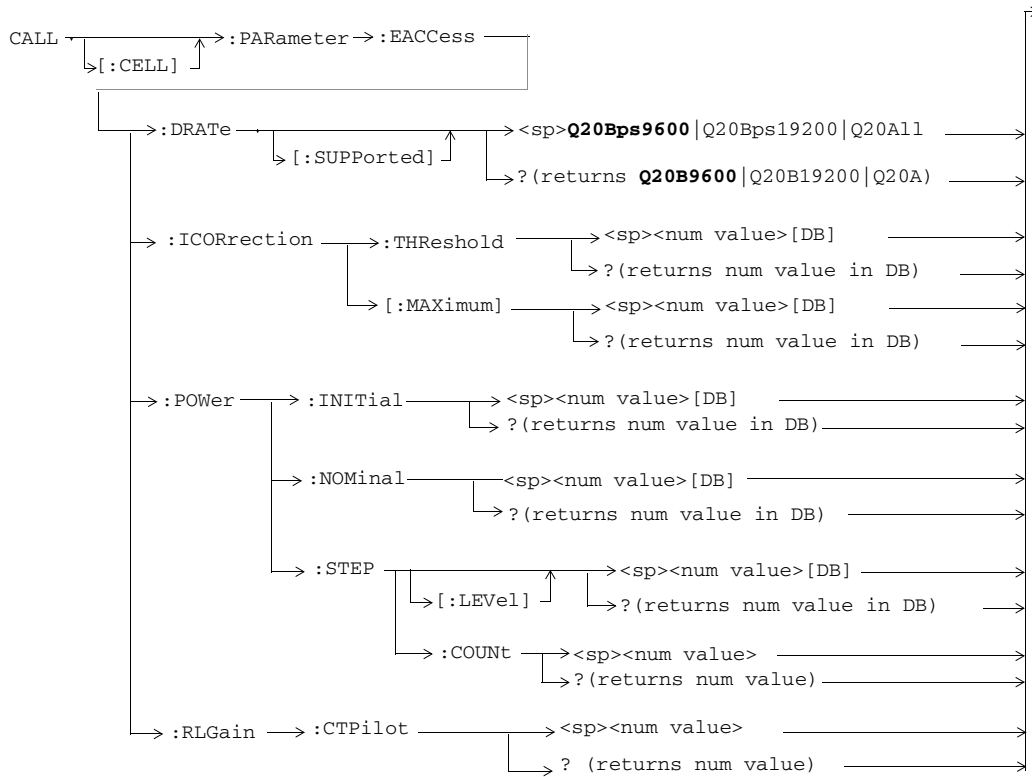
GPIB Syntax for E1962B, E6702B/T



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

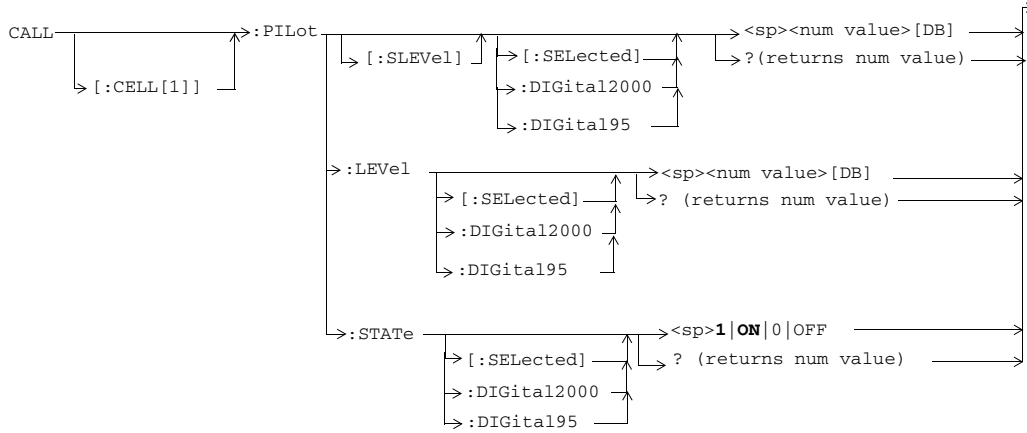
GPIB Syntax for E1962B, E6702B/T

CALL:PARAmeter:EACcEss

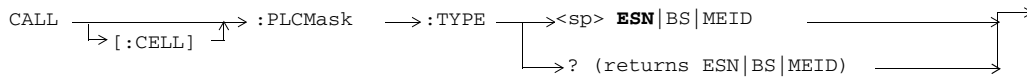


All commands shown in this diagram are only applicable to the lab application or feature-licensed test application.

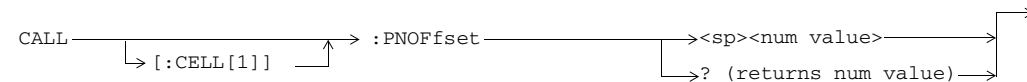
CALL:PILot



CALL:PLCMask

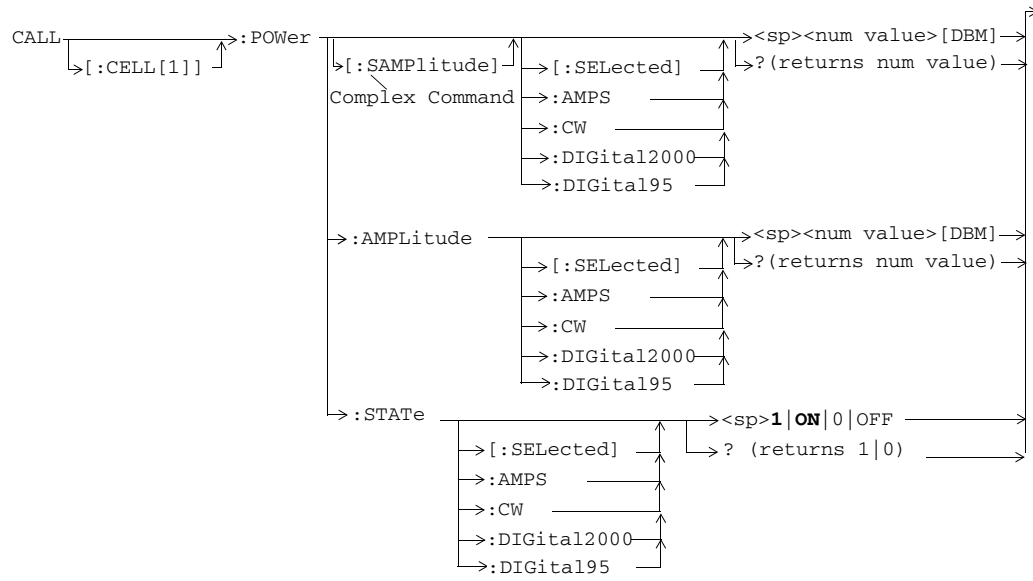


CALL:PNOffset

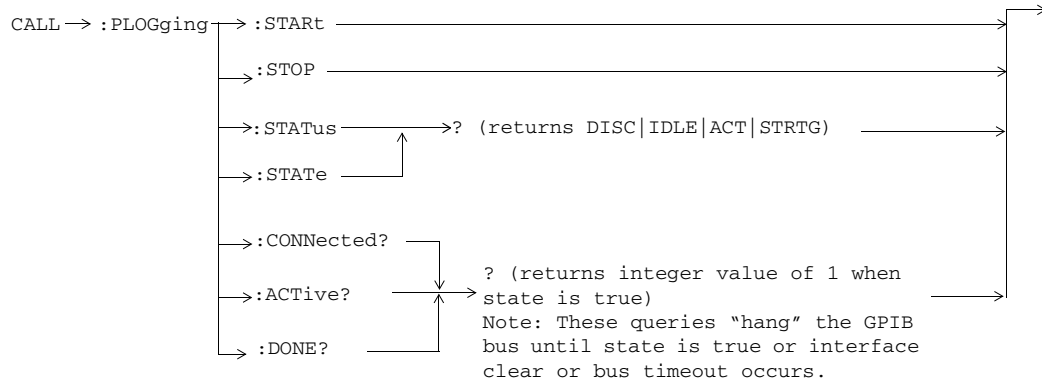


GPIO Syntax for E1962B, E6702B/T

CALL:POWer

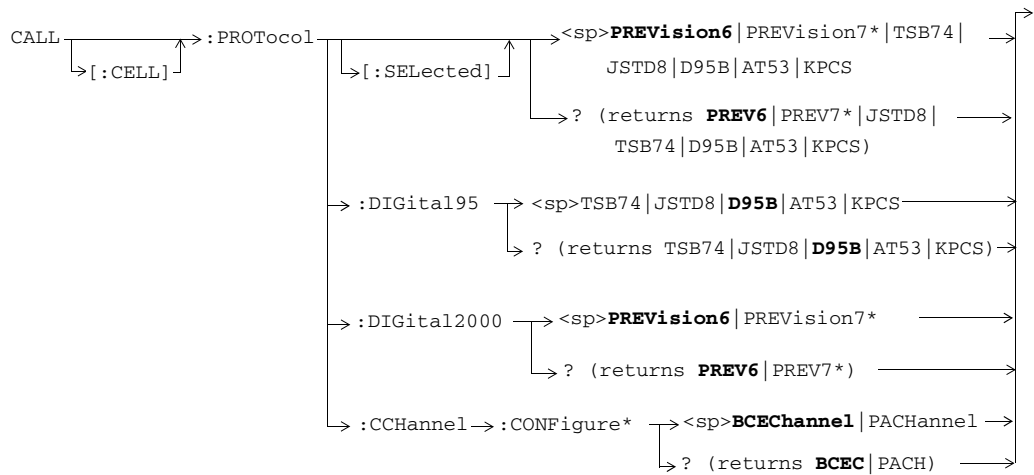


CALL:PLOGging



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

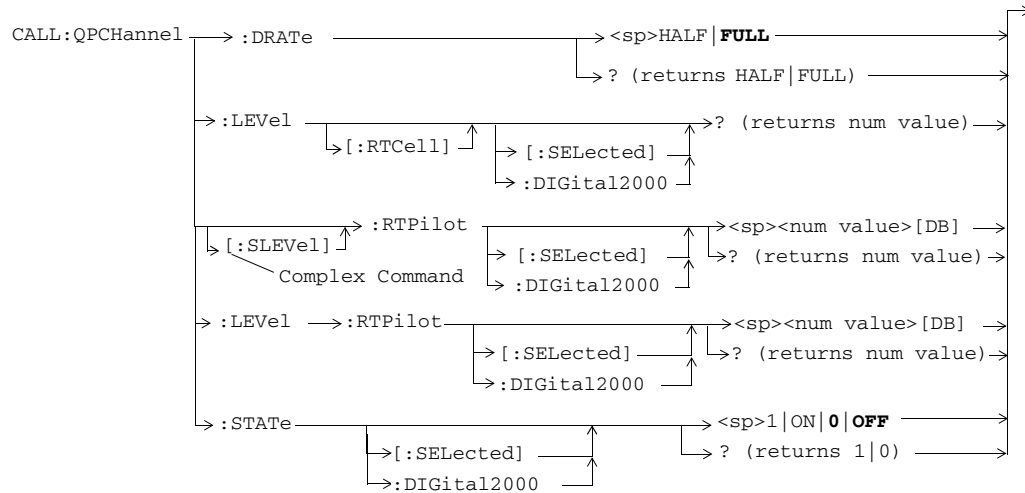
CALL:PROTOcol



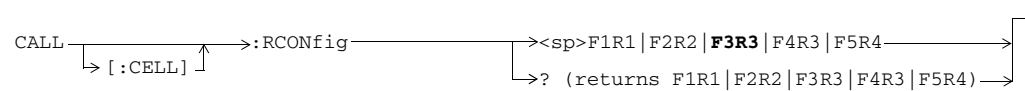
* It is only applicable to the lab application or feature-licensed test application.

GPiB Syntax for E1962B, E6702B/T

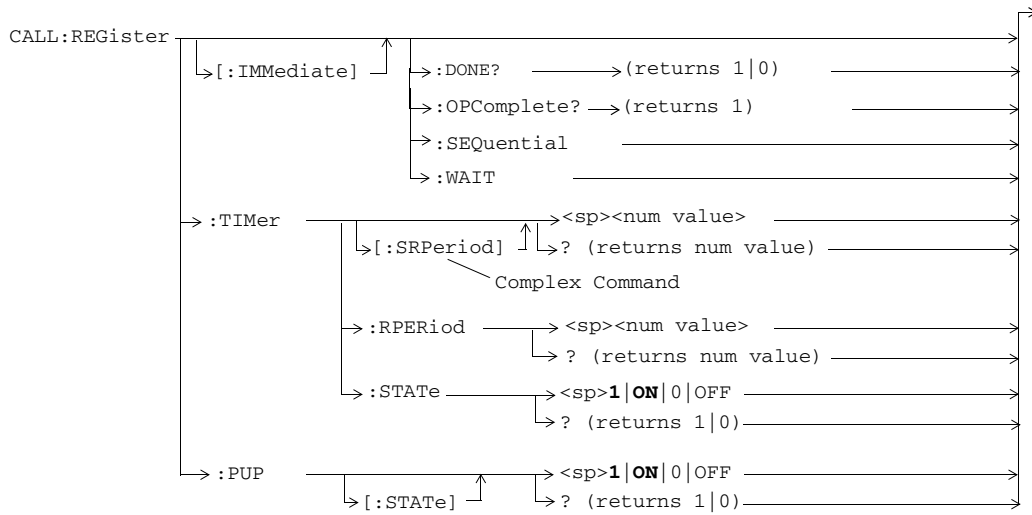
CALL:QPCHannel



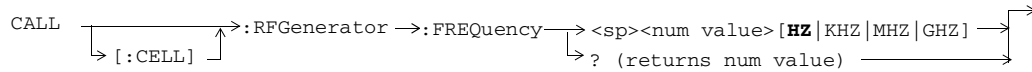
CALL:RCONfig



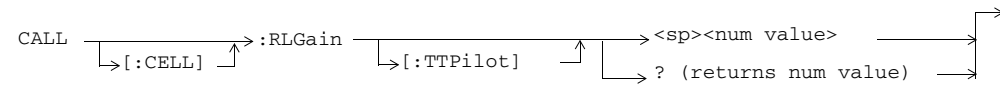
CALL:REGister



CALL:RFGenerator

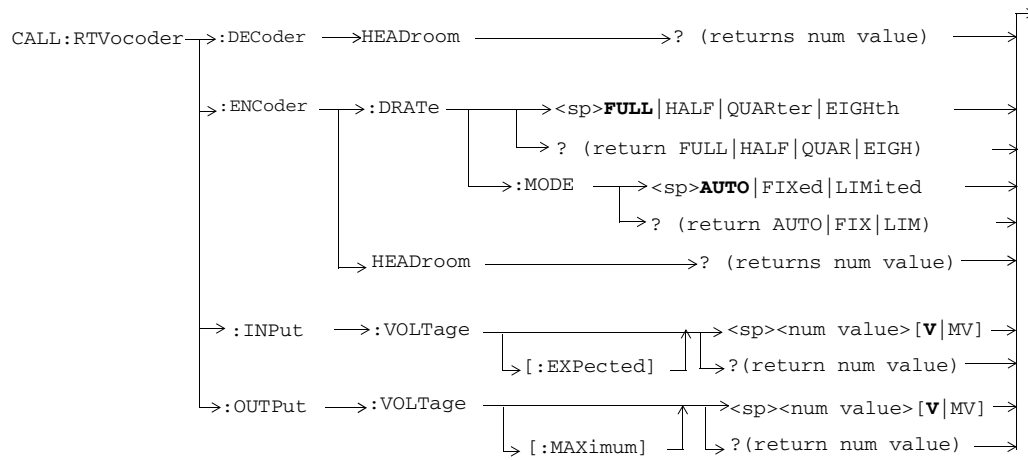


CALL:RLGain

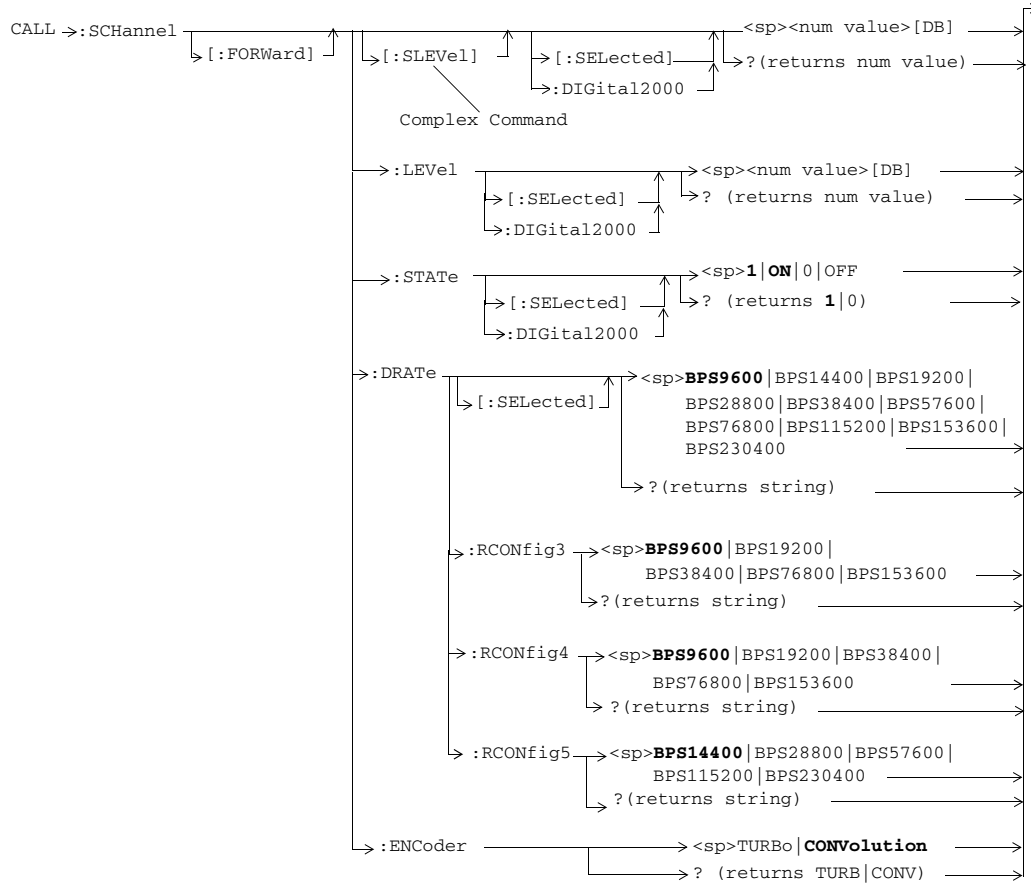


GPIB Syntax for E1962B, E6702B/T

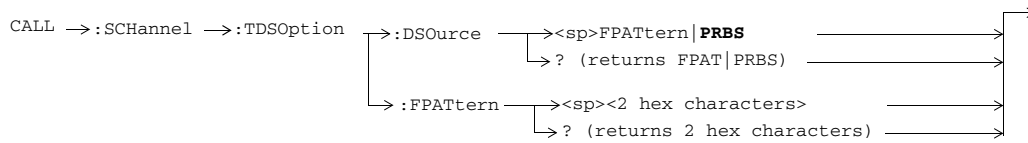
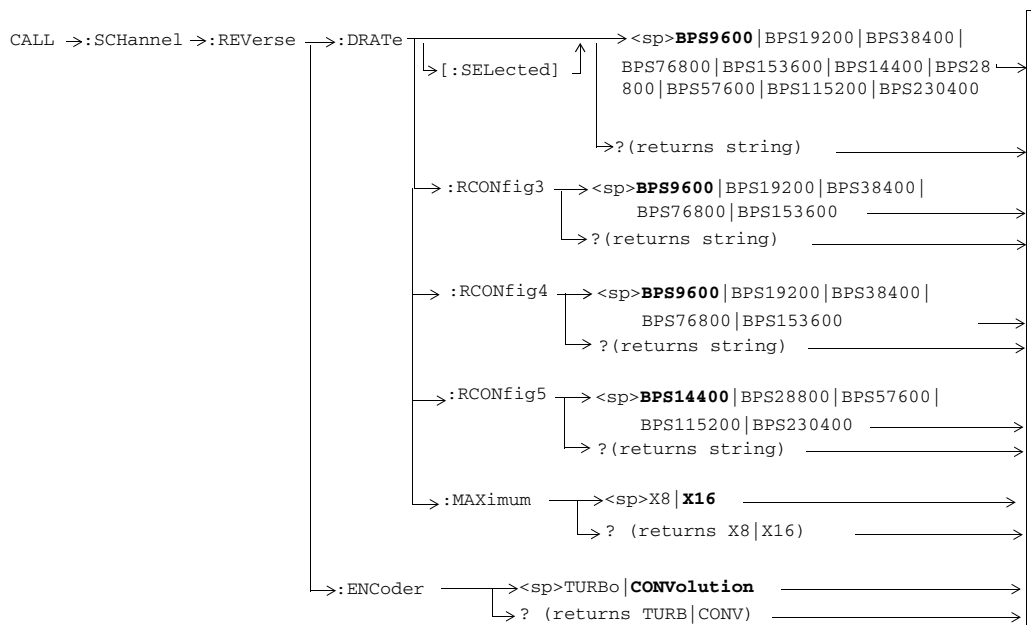
CALL:RTVocoder



CALL:SCHannel



GPIO Syntax for E1962B, E6702B/T



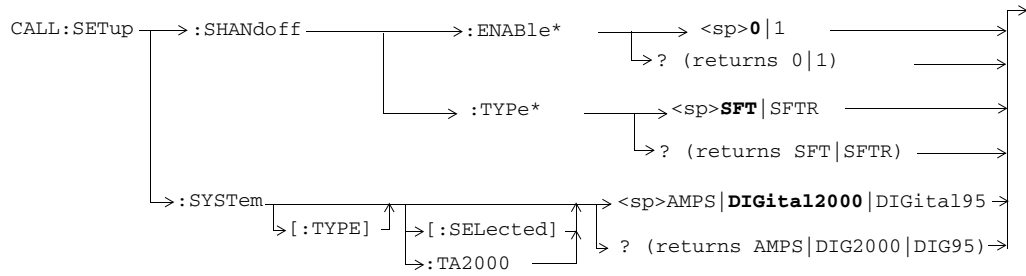
CALL:SETup



* This command is NOT applicable to the DIGital95.

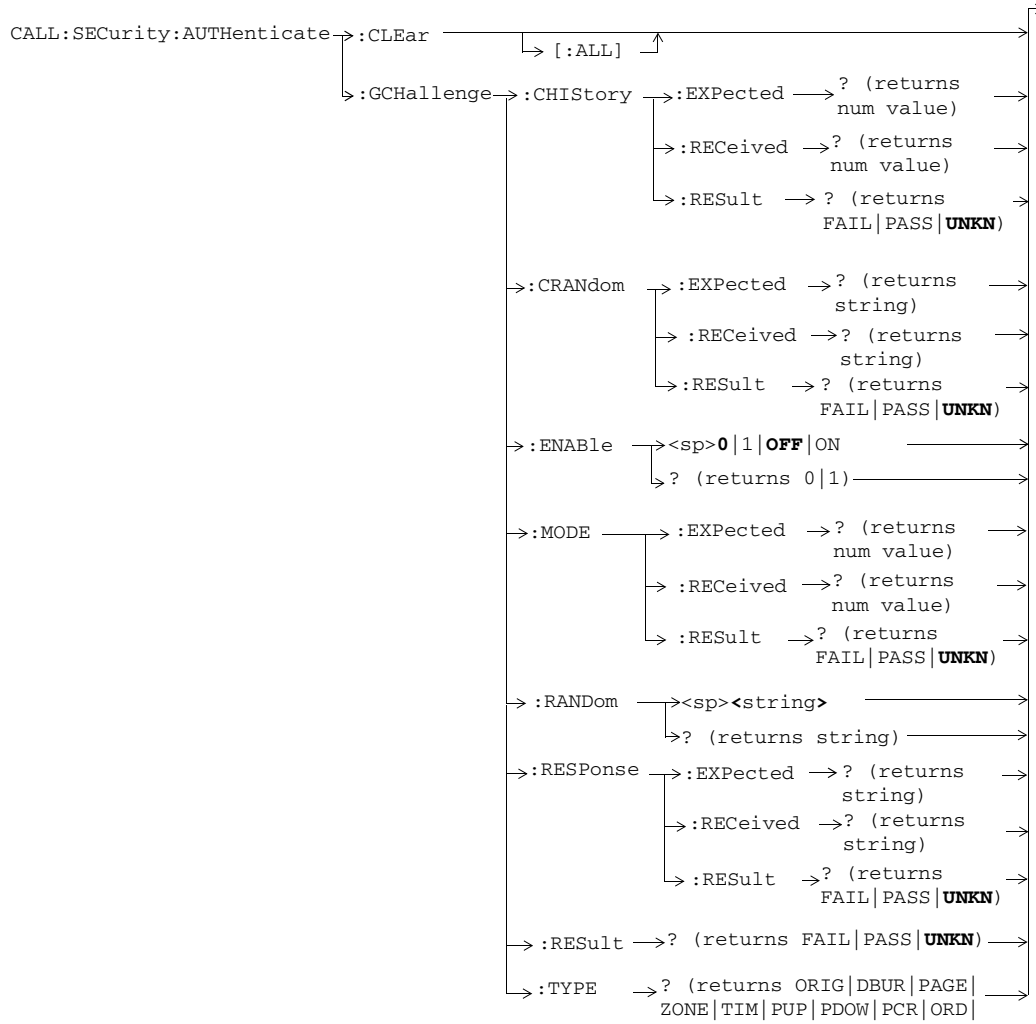
** This setting/query return is NOT applicable to the DIGital95.

GPIB Syntax for E1962B, E6702B/T



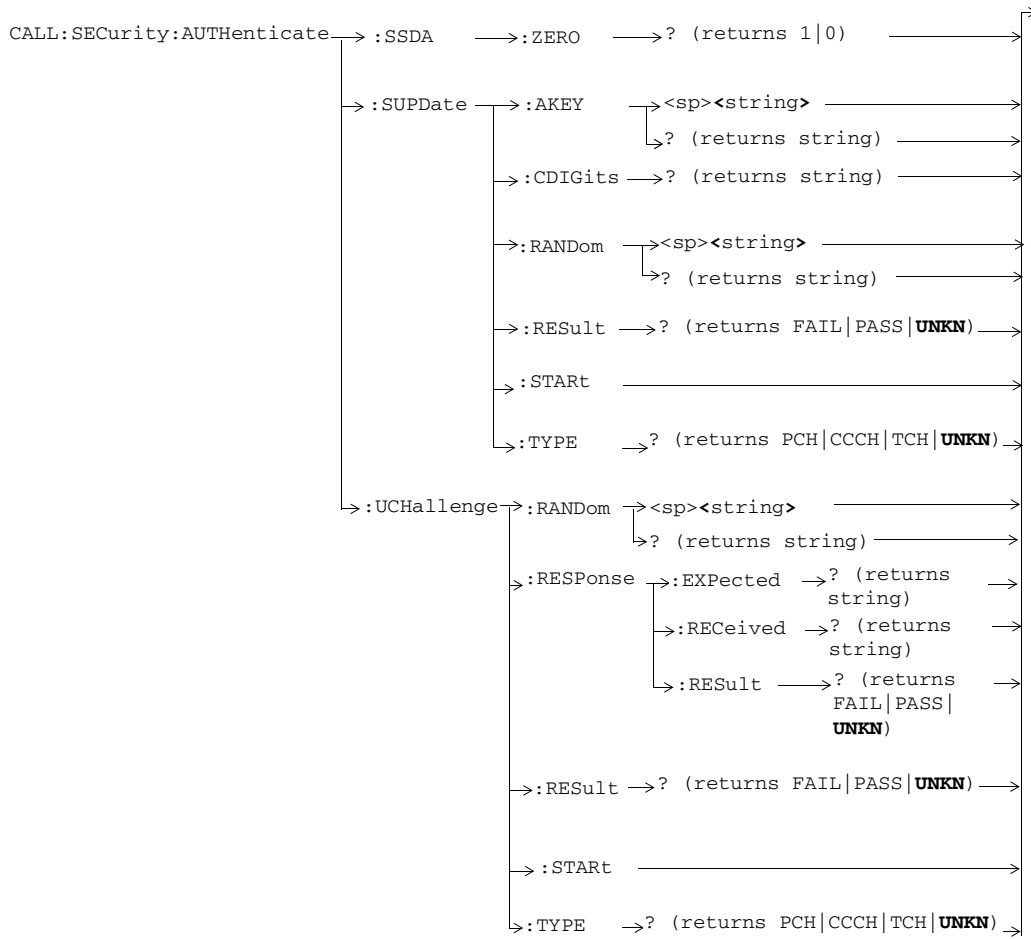
* This command is only applicable to the lab application.

CALL:SECurity



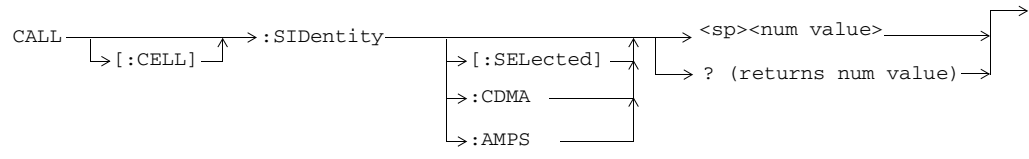
All commands shown in this diagram are only applicable to the labDIST application and to a test application with the required feature license.

GPIO Syntax for E1962B, E6702B/T



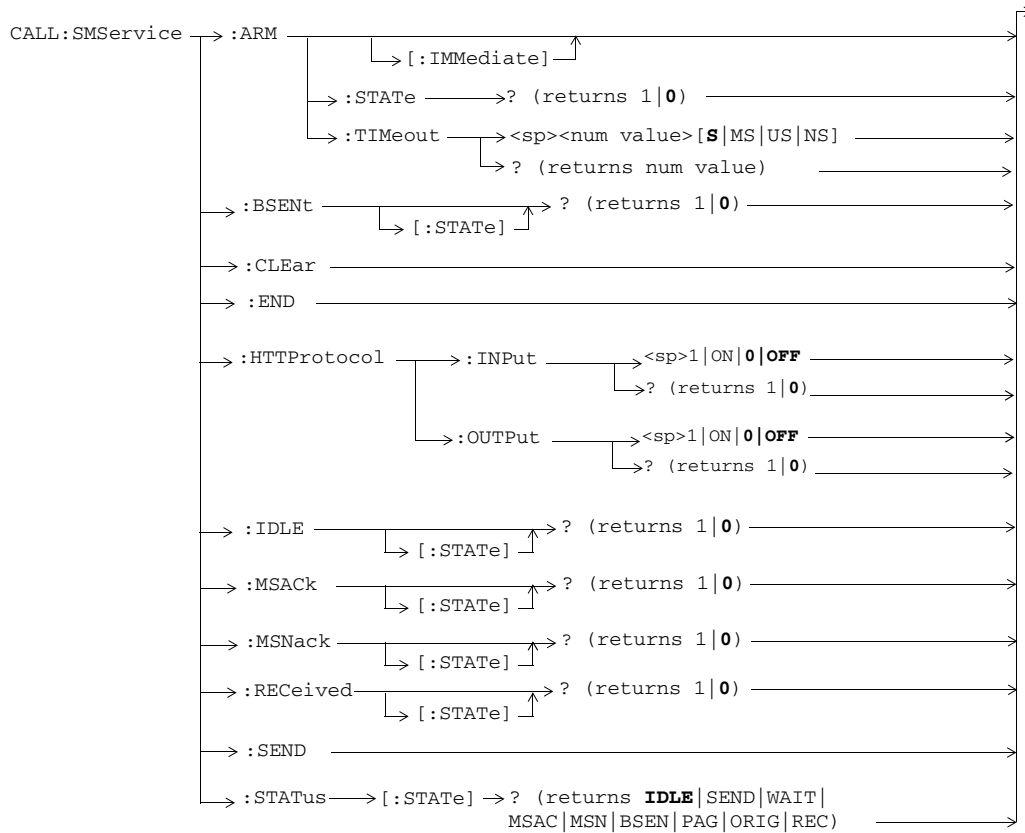
All commands shown in this diagram are only applicable to the lab application and to a test application with the required feature license.

CALL:SIDentity



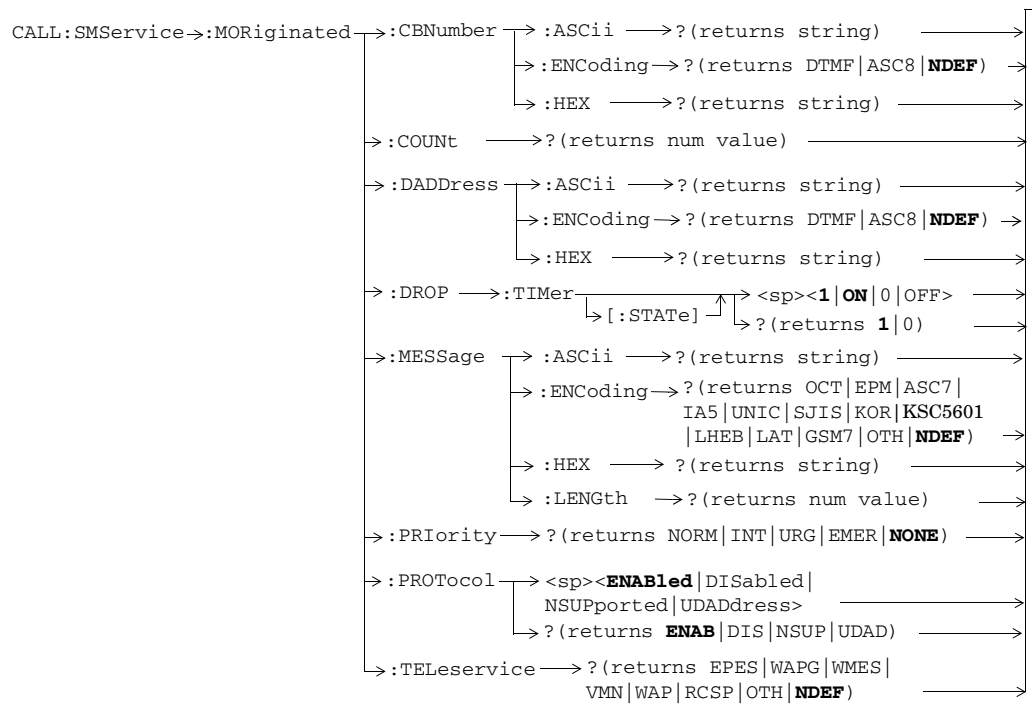
GPIB Syntax for E1962B, E6702B/T

CALL:SMSERVICE



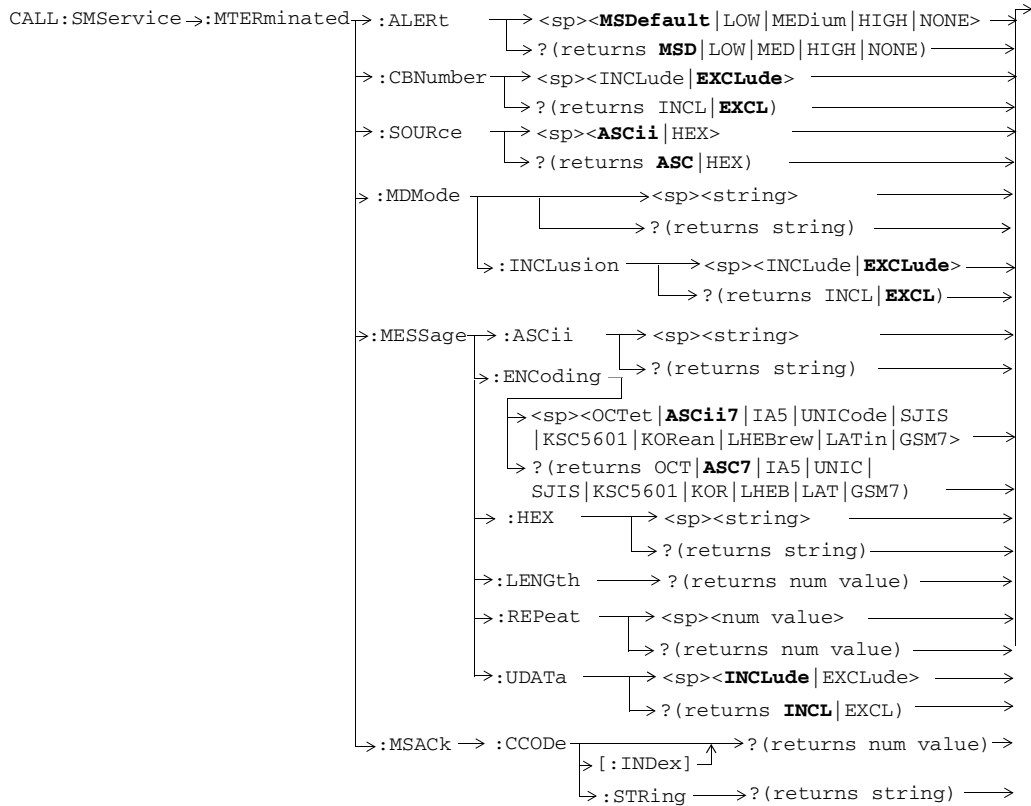
All commands shown in this diagram are only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T



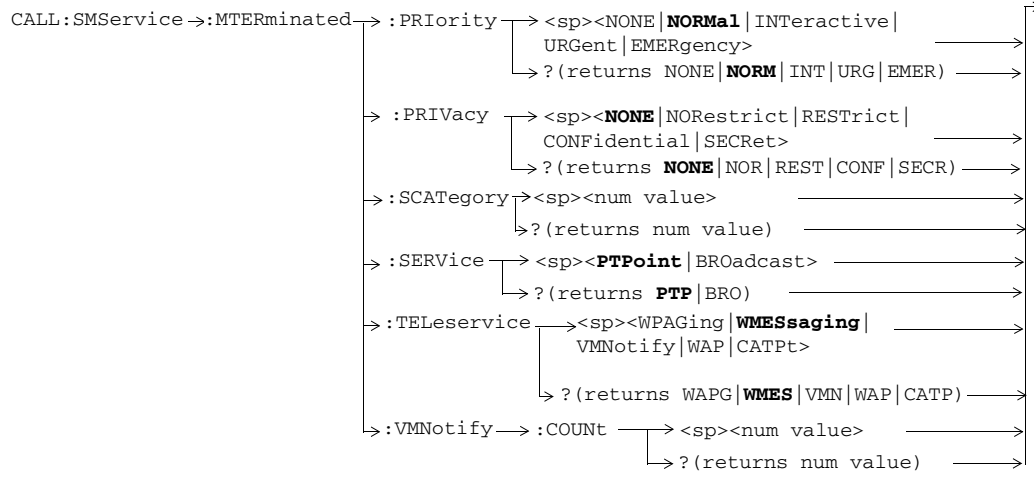
All commands shown in this diagram are only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T



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

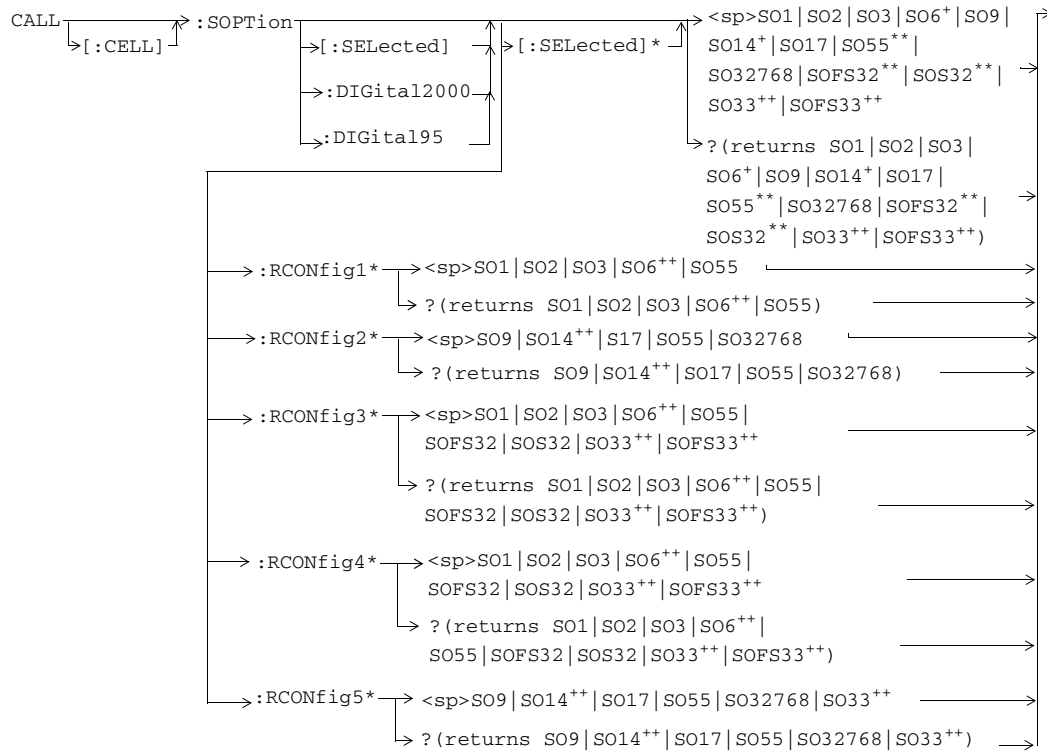
GPIB Syntax for E1962B, E6702B/T



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

GPiB Syntax for E1962B, E6702B/T

CALL:SOPTion



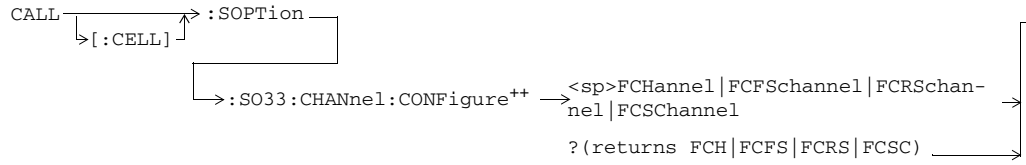
* This command is only applicable to the DIGital2000.

** This setting/query return is only applicable to the DIGital2000.

+ This setting/query return is only applicable to the lab application.

** This setting/query return is only applicable to the lab application and the DIGital2000.

GPIB Syntax for E1962B, E6702B/T



* This command is only applicable to the DIGital2000.

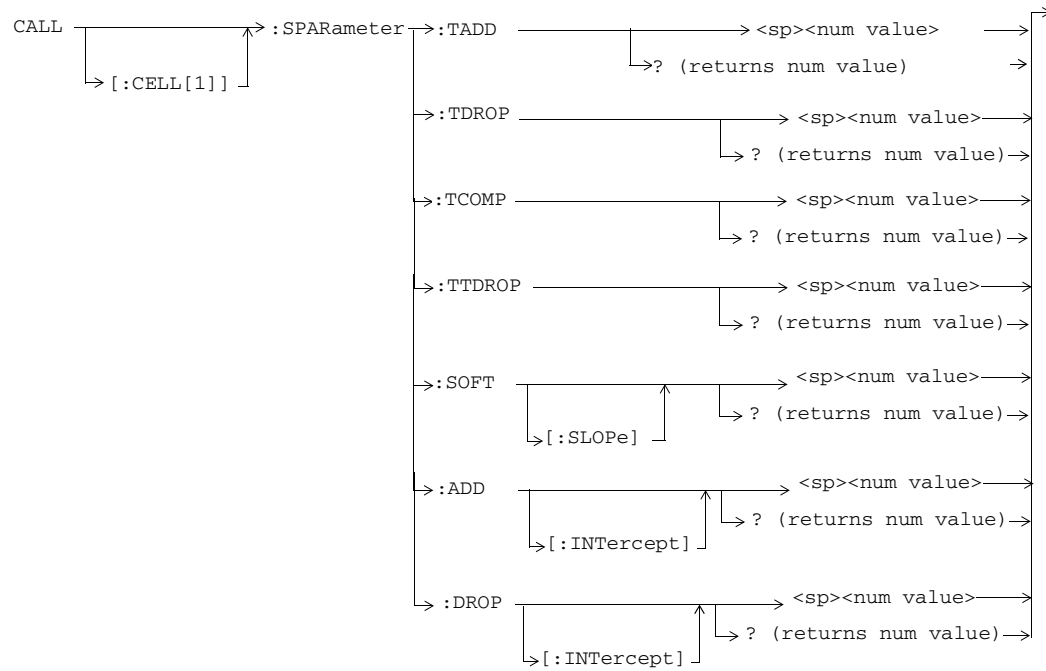
** This setting/query return is only applicable to the DIGital2000.

+ This setting/query return is only applicable to the lab application.

++ This setting/query return is only applicable to the lab application and the DIGital2000.

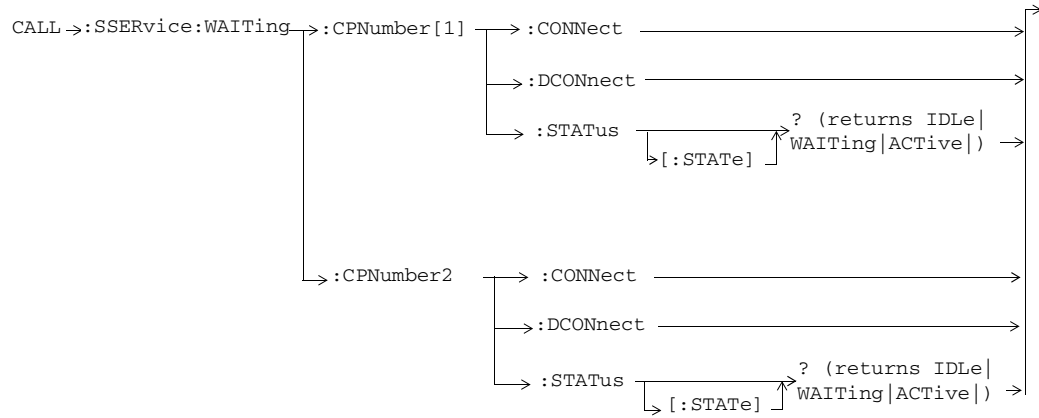
GPiB Syntax for E1962B, E6702B/T

CALL:SPARAmeter



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

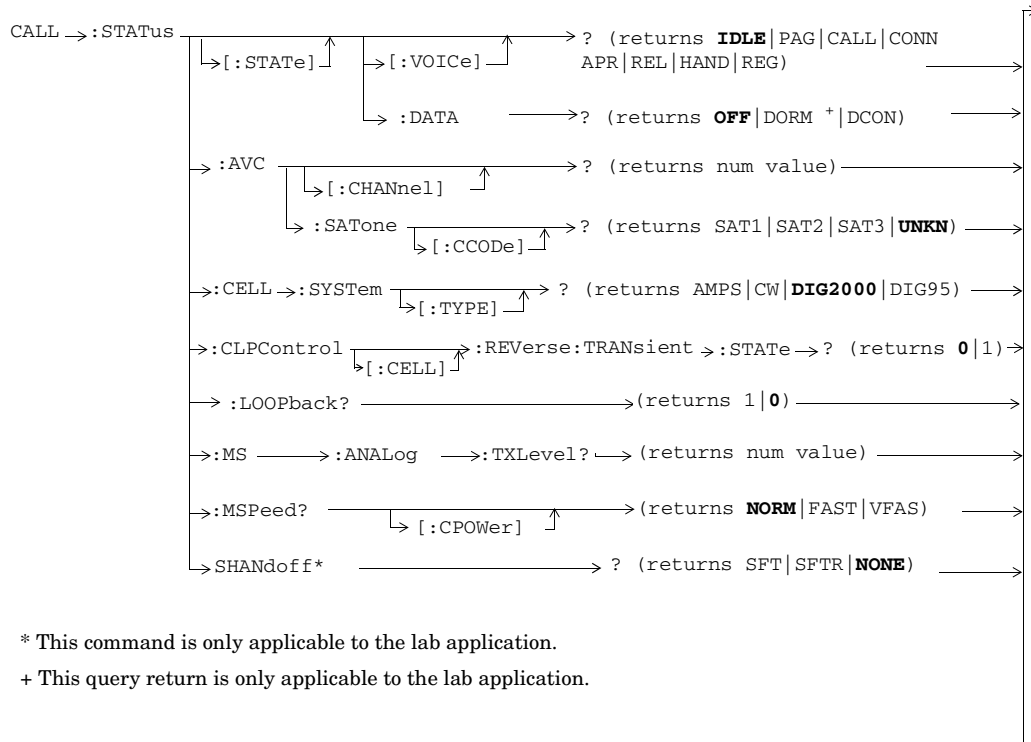
CALL:SSERvice:WAITing



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

GPiB Syntax for E1962B, E6702B/T

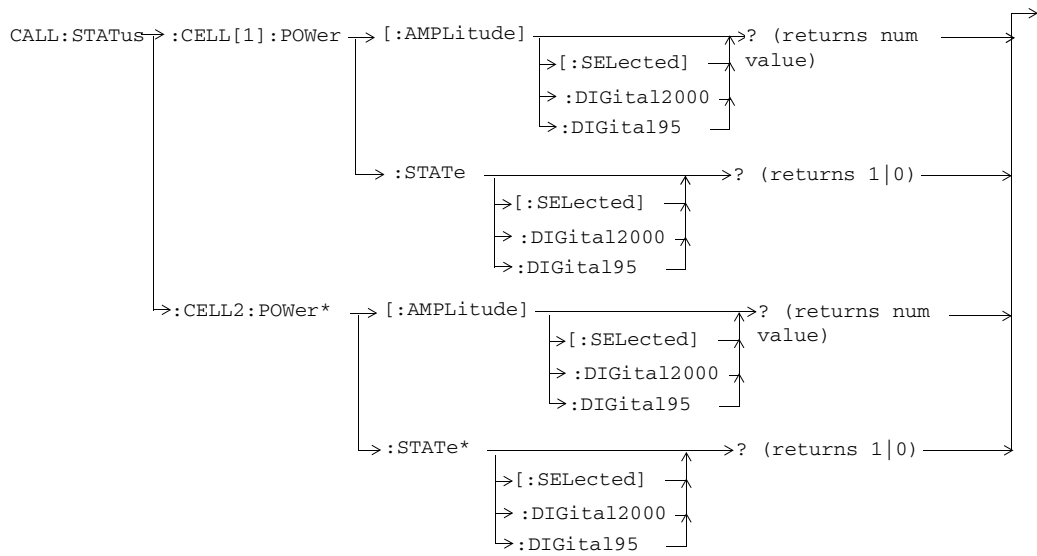
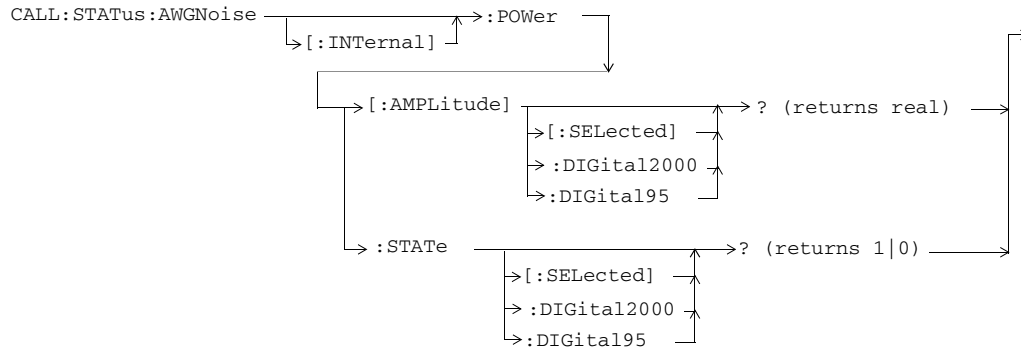
CALL:STATus



* This command is only applicable to the lab application.

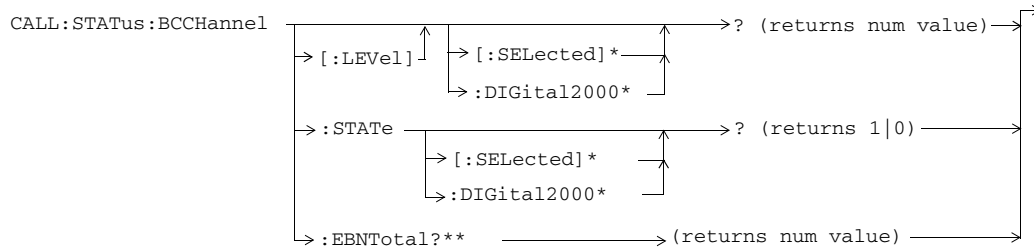
+ This query return is only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T



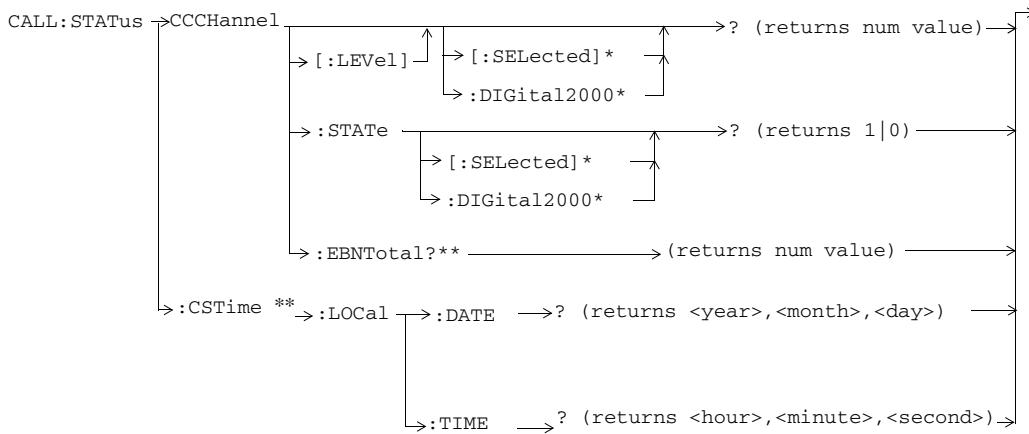
* This command is only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T



* This command is only applicable to the lab application or feature-licensed test application.

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

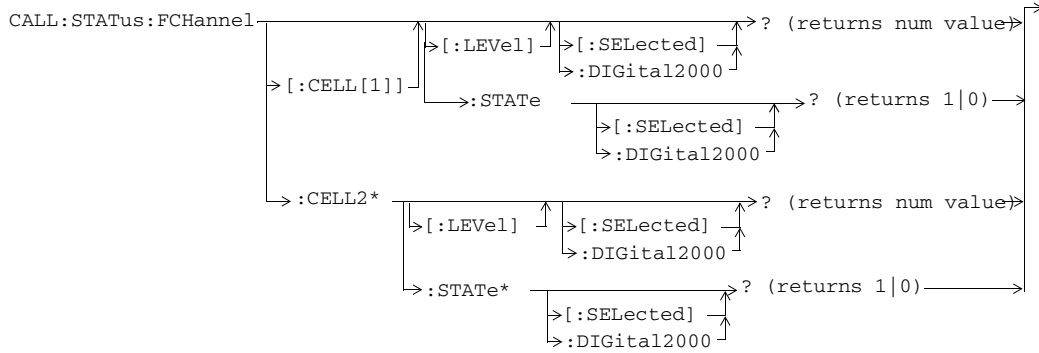


* This command is only applicable to the lab application or feature-licensed test application.

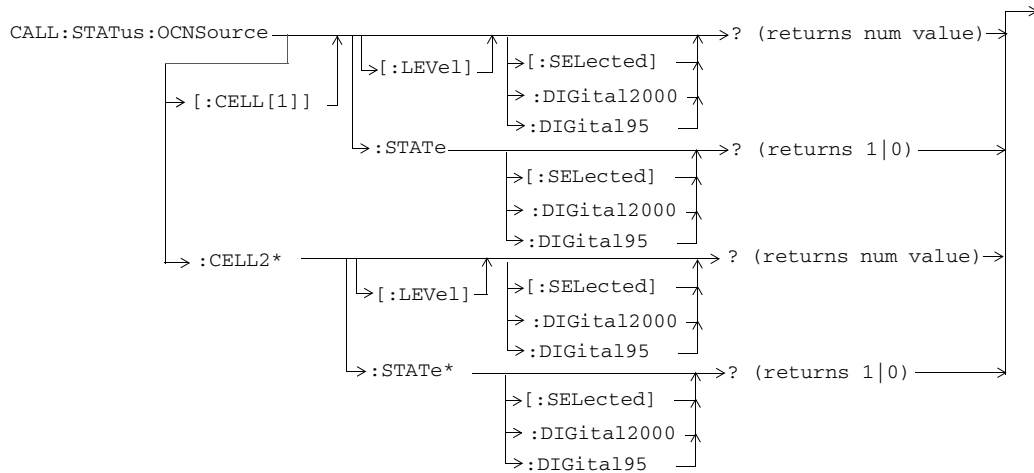
CALL:STATUS:FPControl → FCHannel → :LEVEL → :MAXimum* → ? (returns num value) →

* This command is only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T

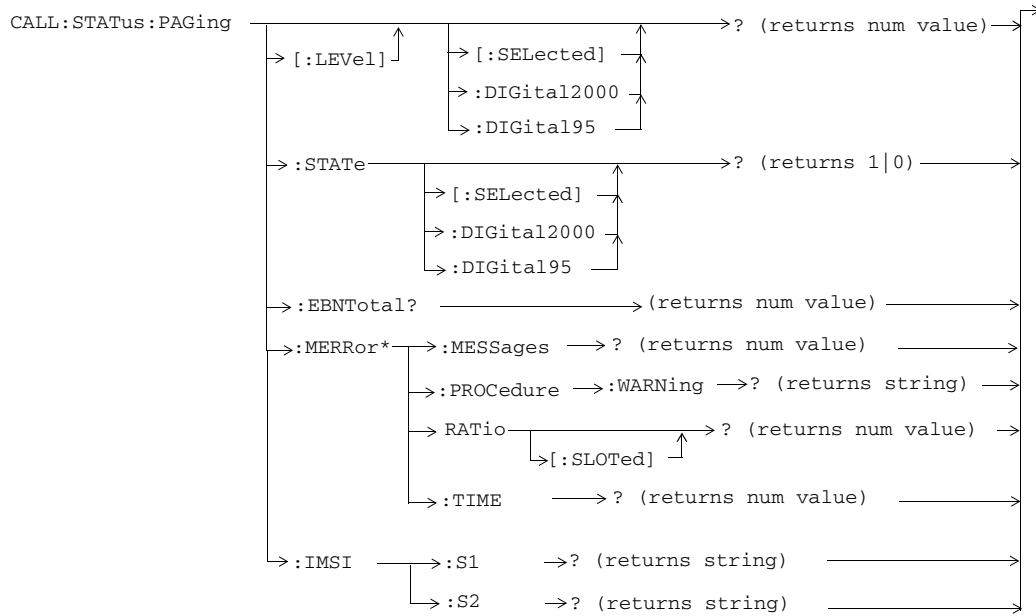


* This command is only applicable to the lab application.



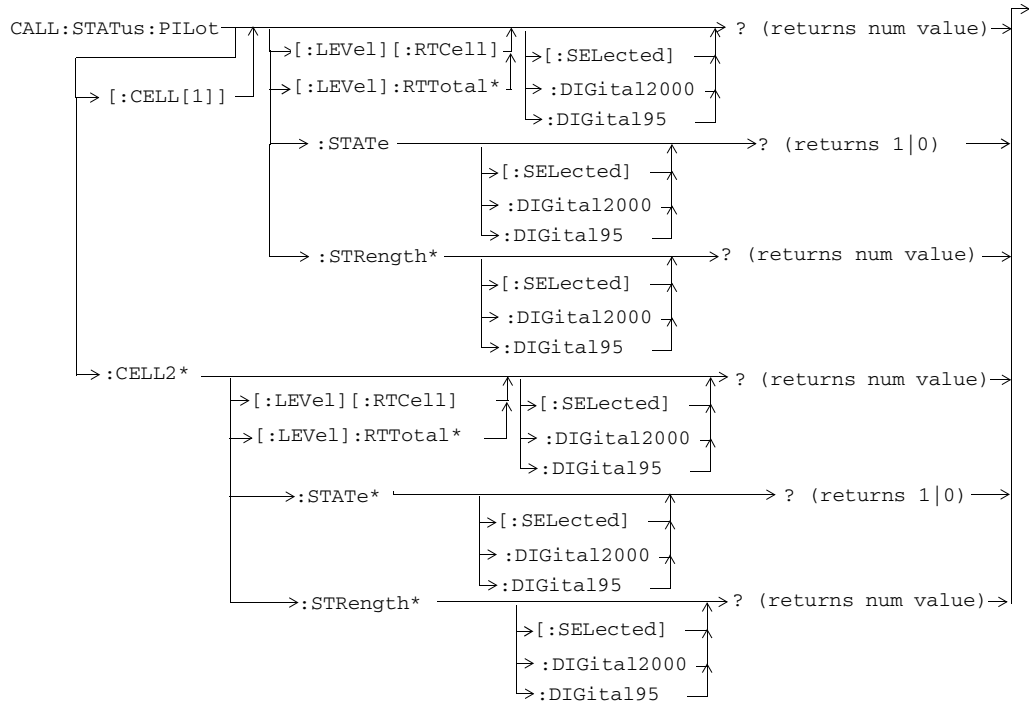
* This command is only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T

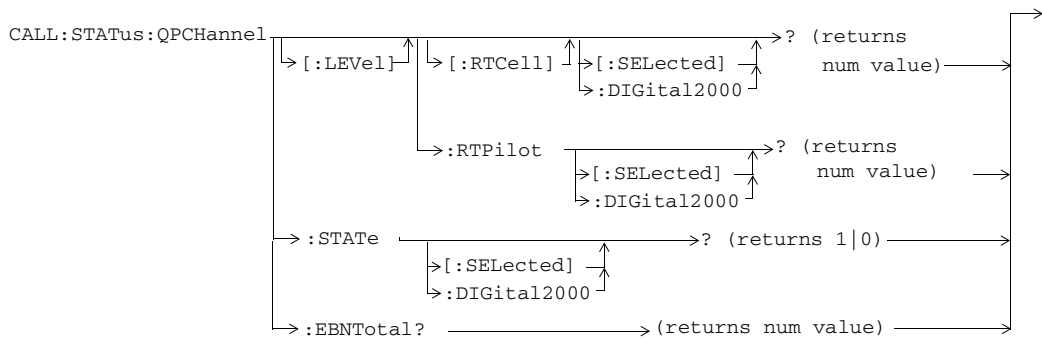


* These commands are only applicable to the lab application.

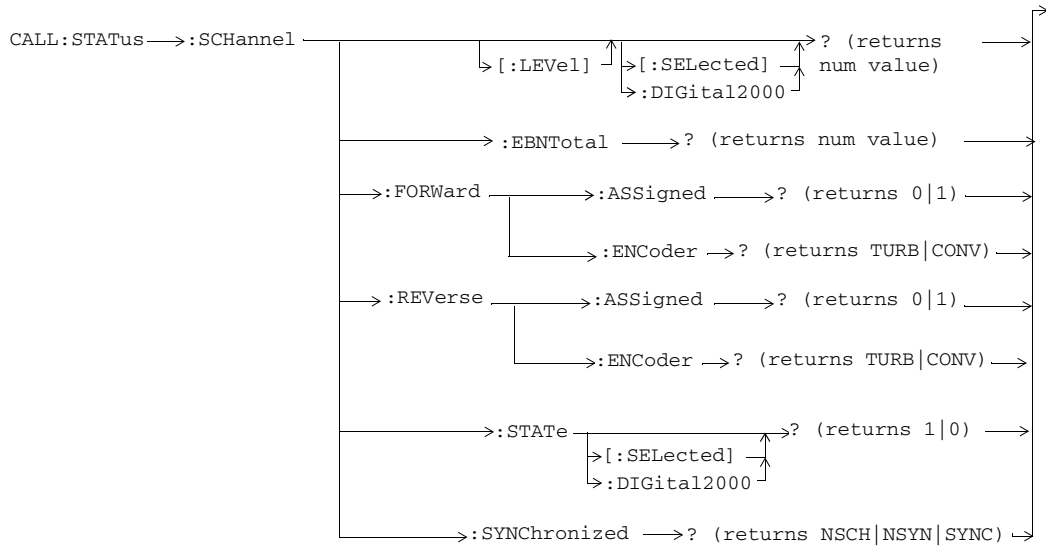
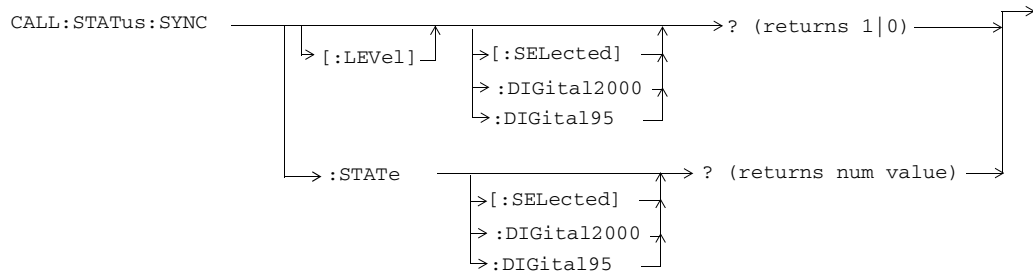
GPIB Syntax for E1962B, E6702B/T



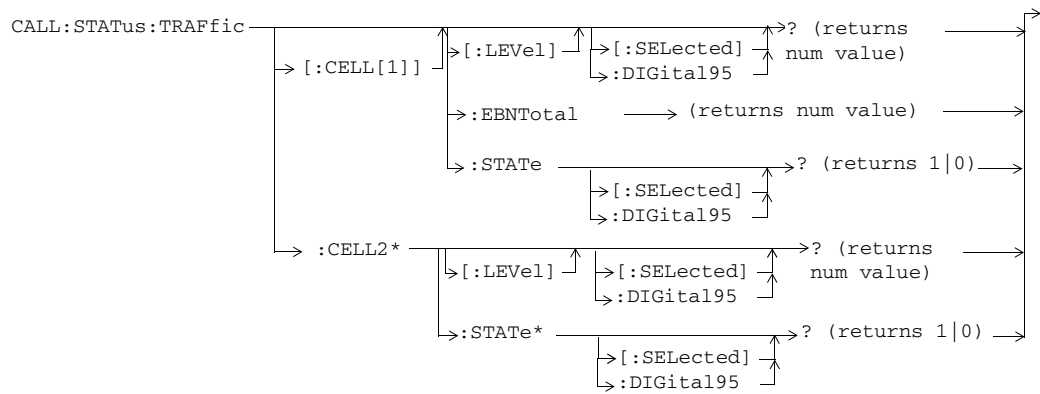
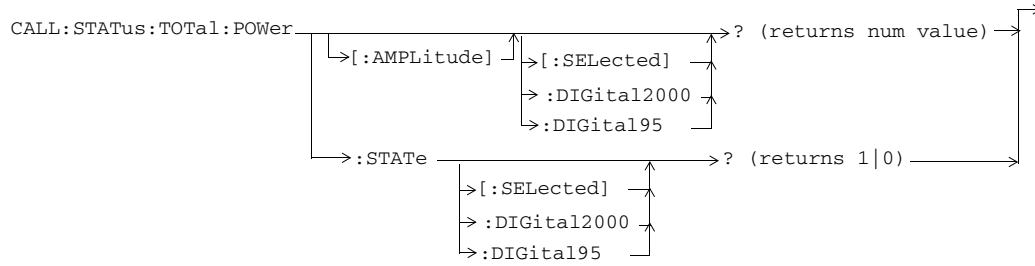
* This command is only applicable to the lab application.



GPIB Syntax for E1962B, E6702B/T



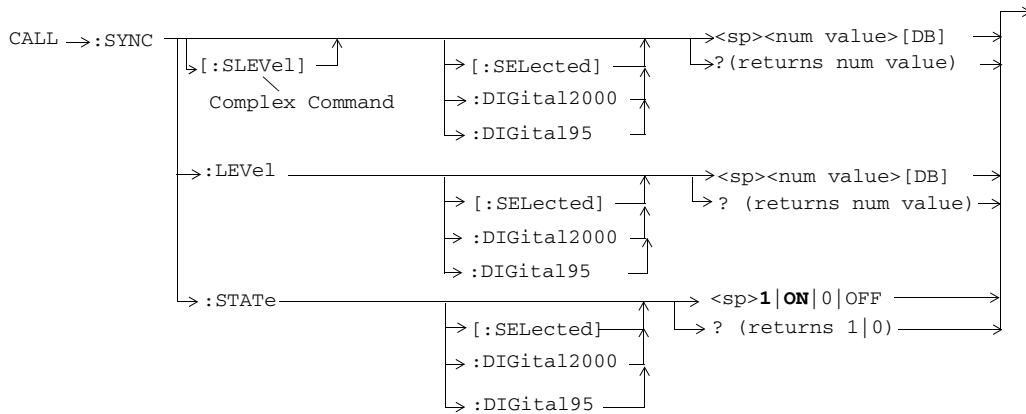
GPIB Syntax for E1962B, E6702B/T



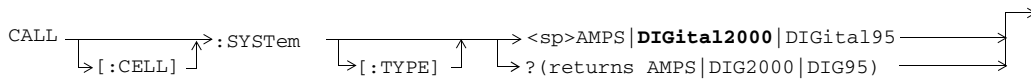
* This command is only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T

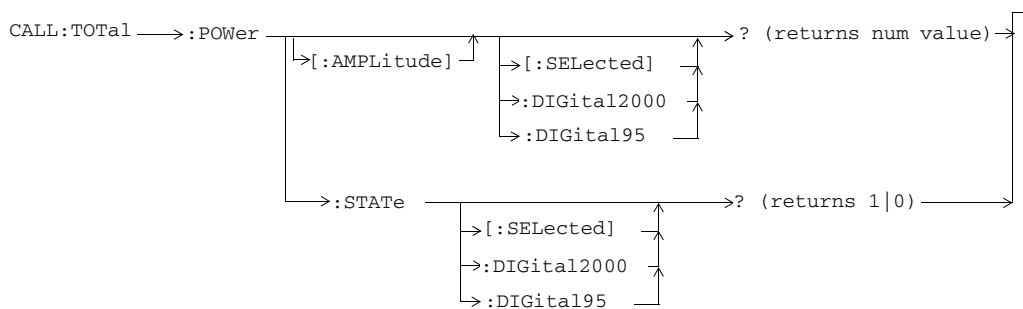
CALL:SYNC



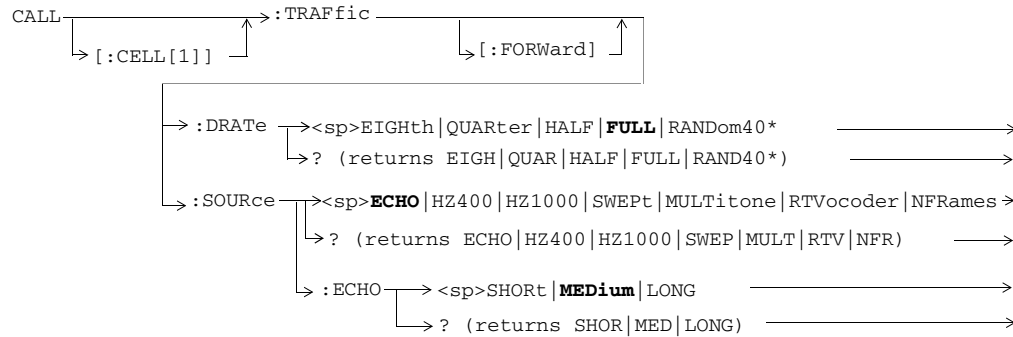
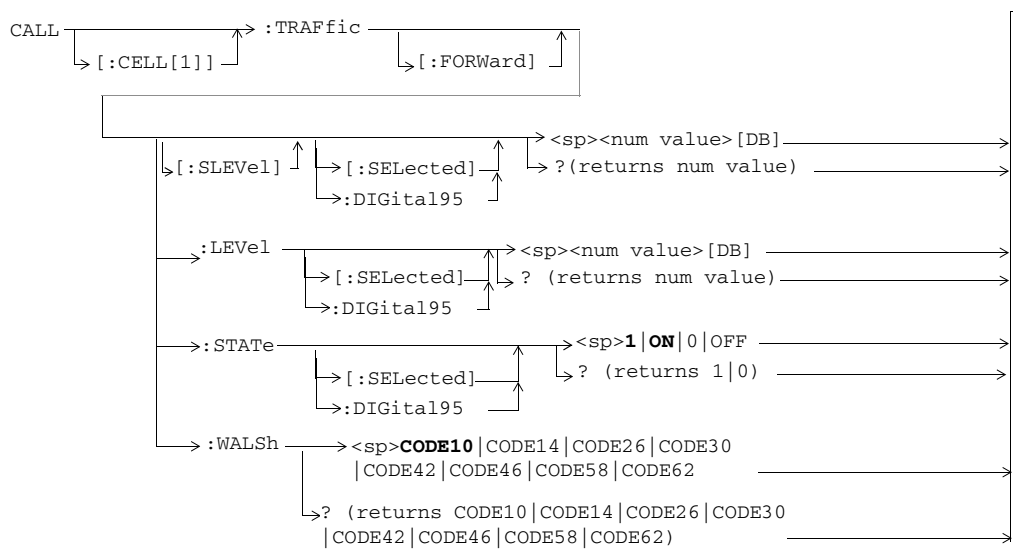
CALL:SYSTem



CALL:TOTal:POWer

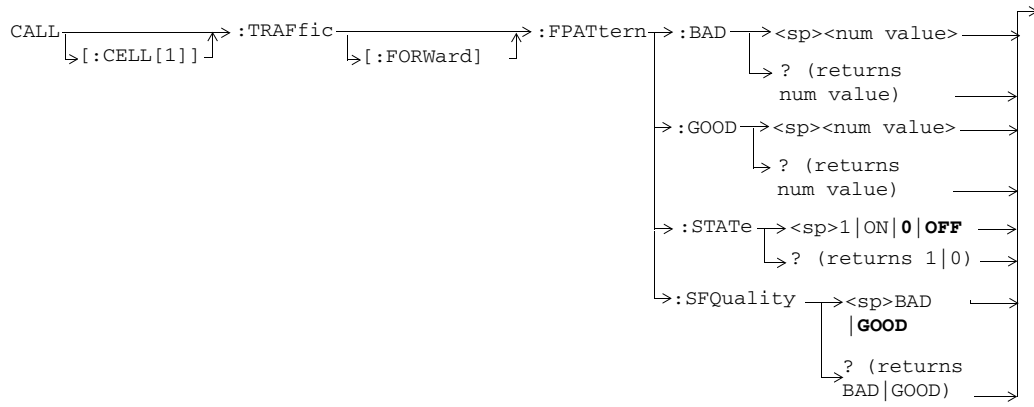


CALL:TRAFfic



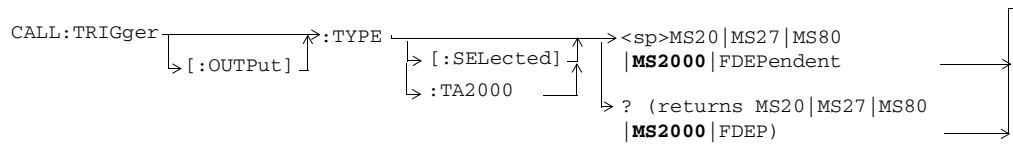
* This setting/query return is only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T

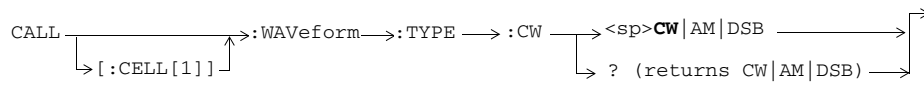


All commands shown in this diagram are only applicable to the lab application.

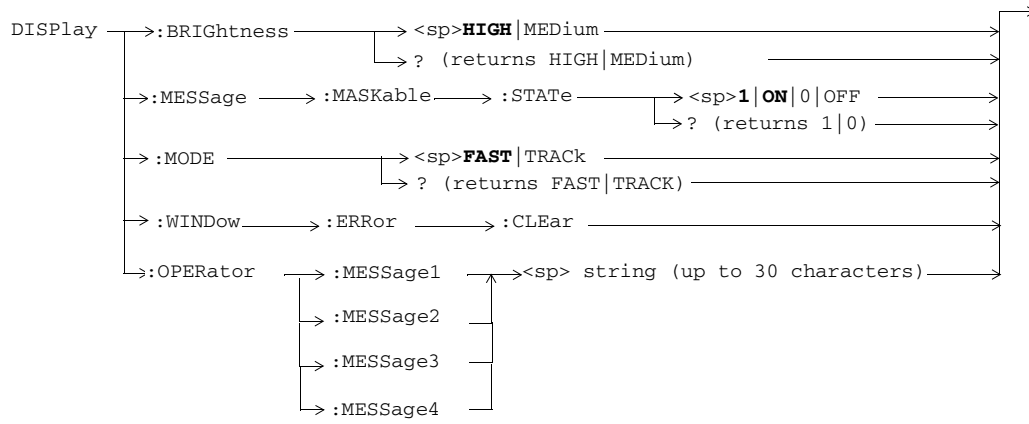
CALL:TRIGger



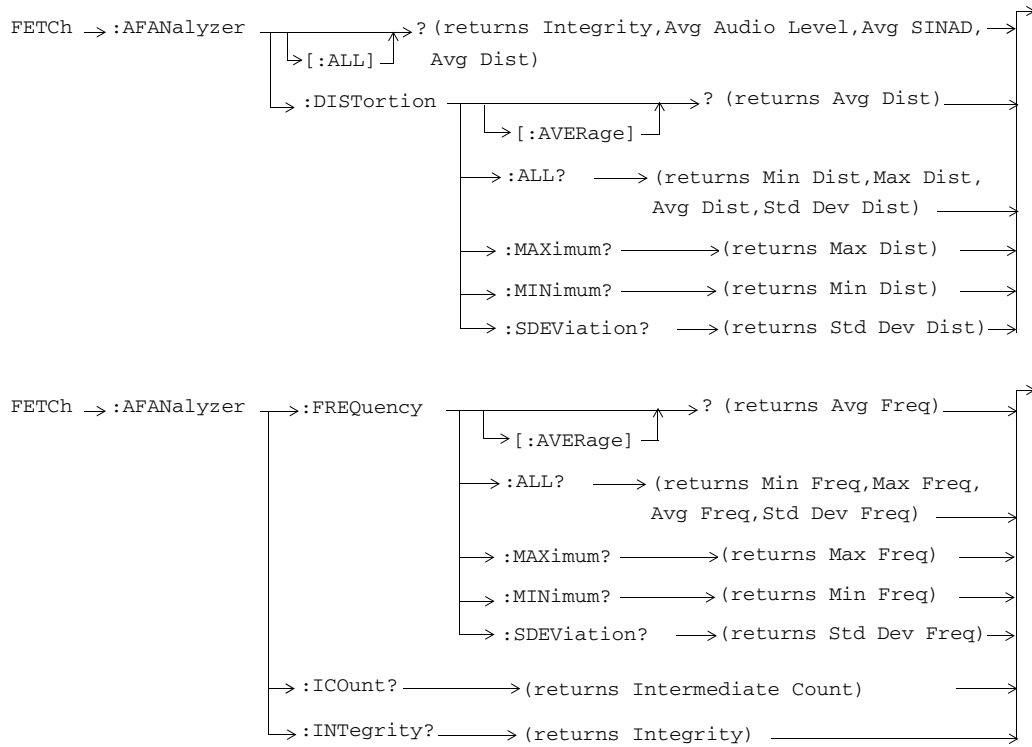
CALL:WAVeform



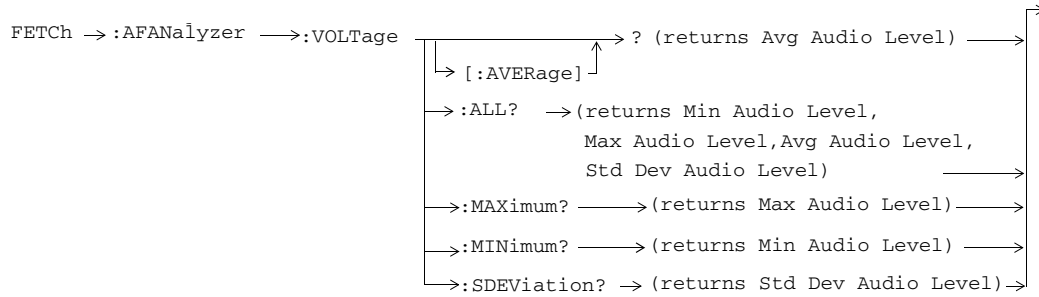
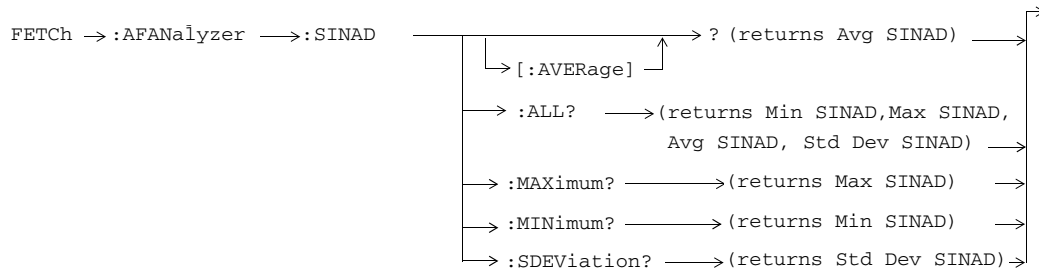
DISPlay



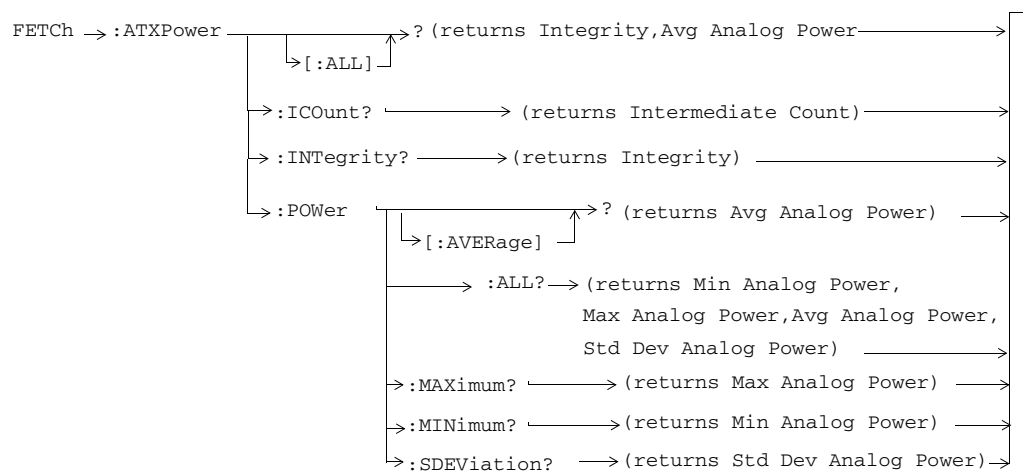
FEtCh:AFANalyzer



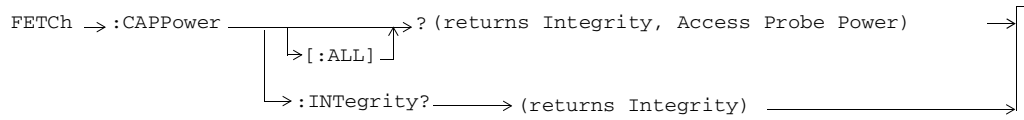
GPIB Syntax for E1962B, E6702B/T



FETCH:ATXPower

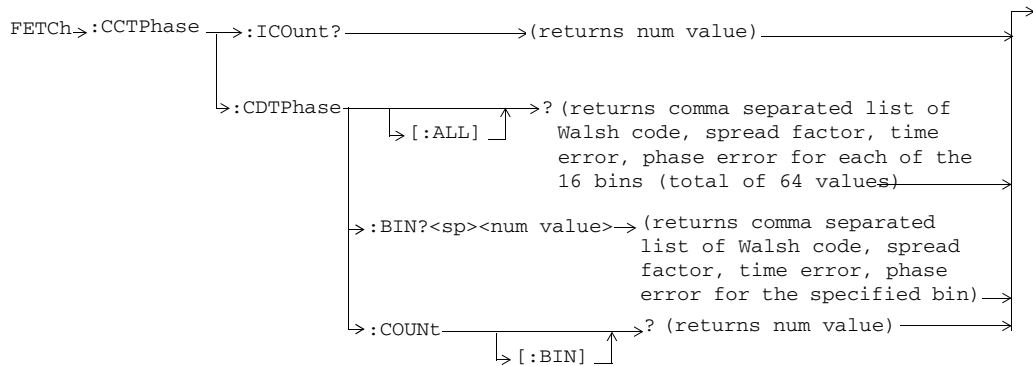
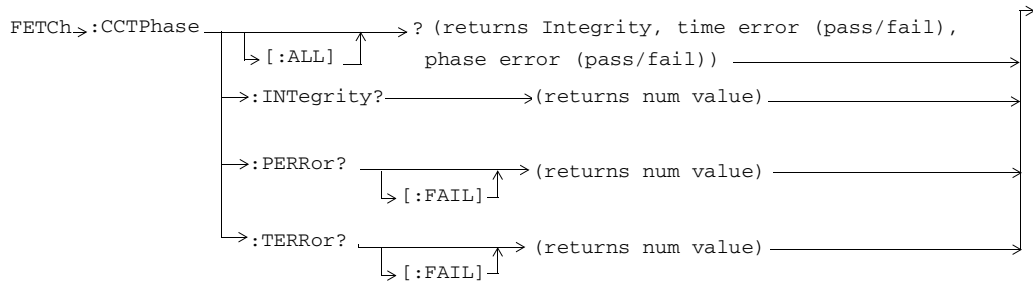


FETCH:CAPower

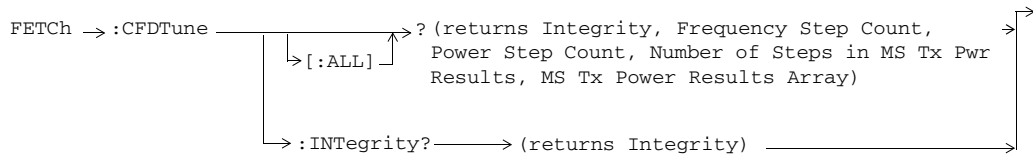


GPIB Syntax for E1962B, E6702B/T

FETCh:CCTPhase

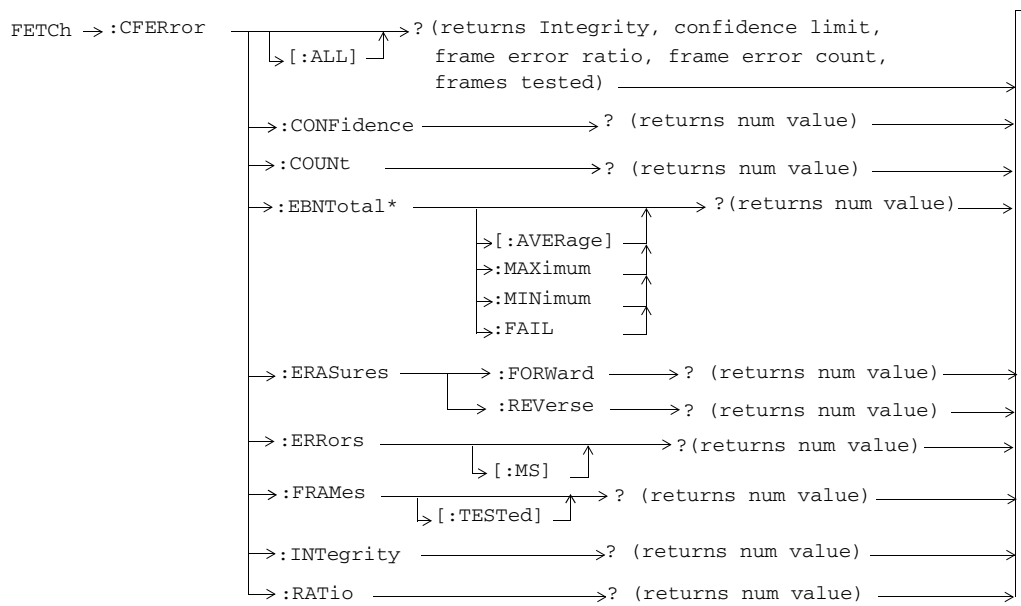


FETCh:CFDTune



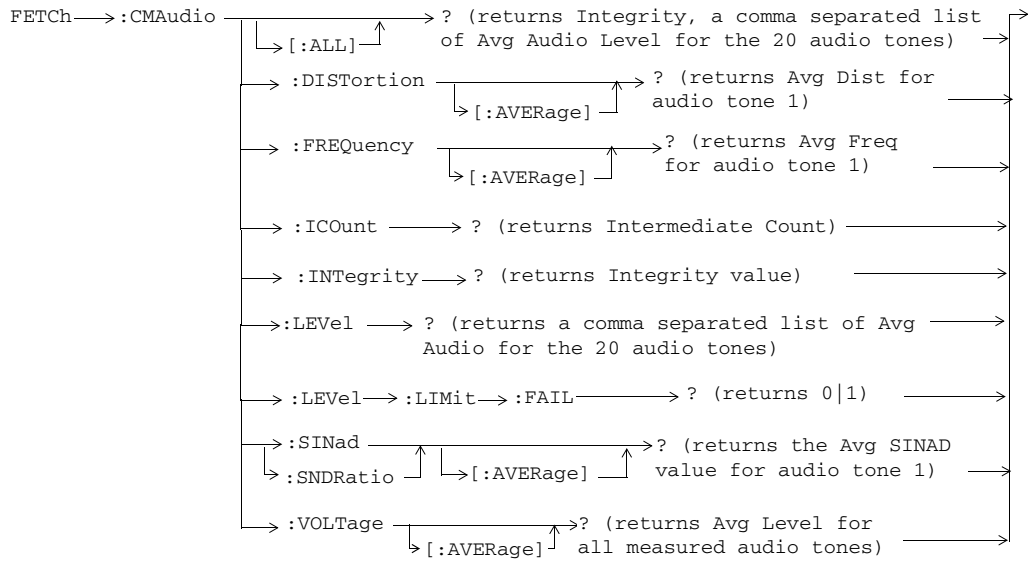
All commands shown in this diagram are only applicable to the lab application or feature-licensed test application.

FEtCh:CFERror

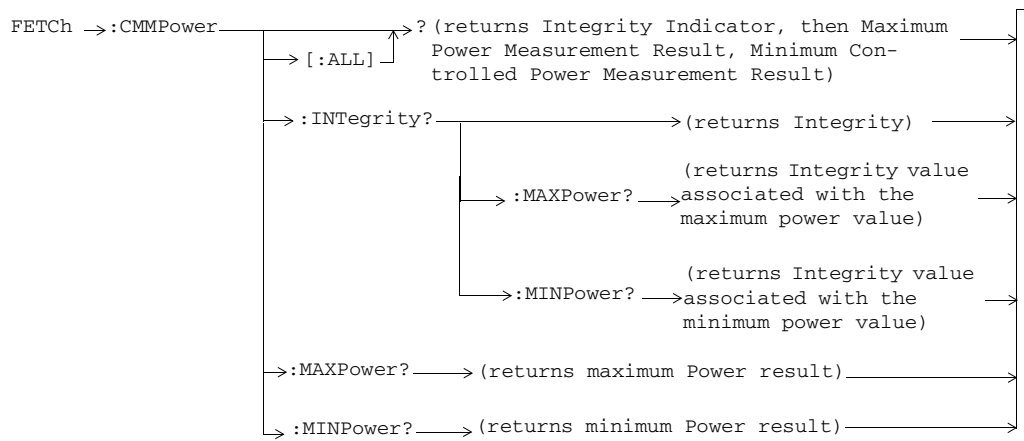


* These commands are only applicable to the lab application.

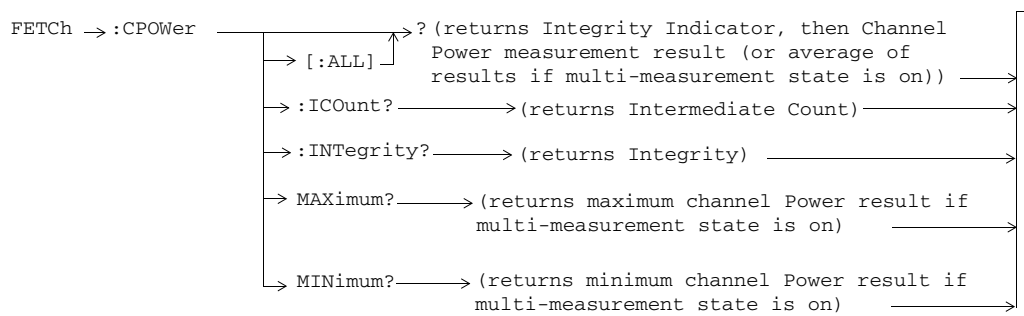
FEtCh:CMAudio



FEtCh:CMMPower

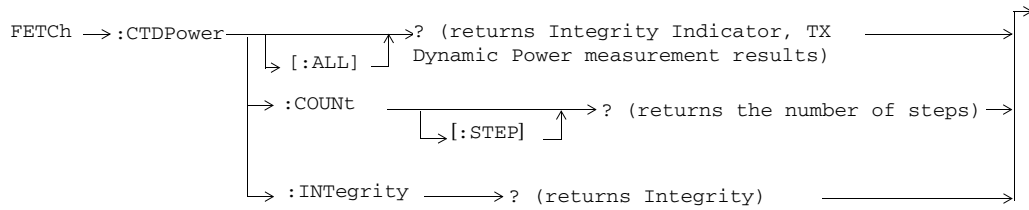


FEtCh:CPOwer

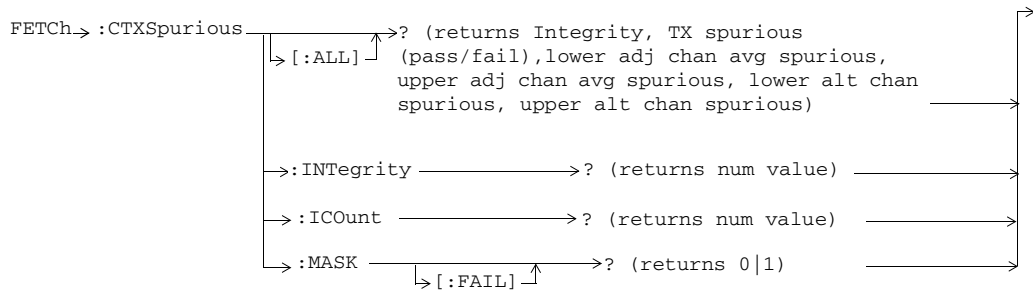


GPIB Syntax for E1962B, E6702B/T

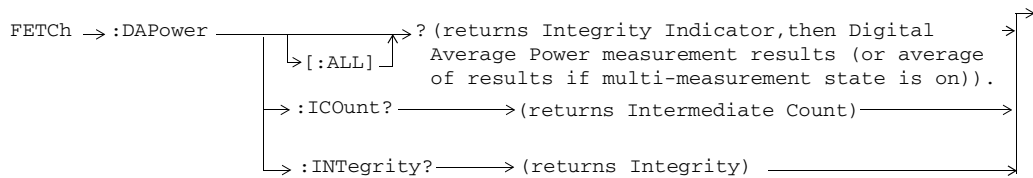
FETCH:CTDPower



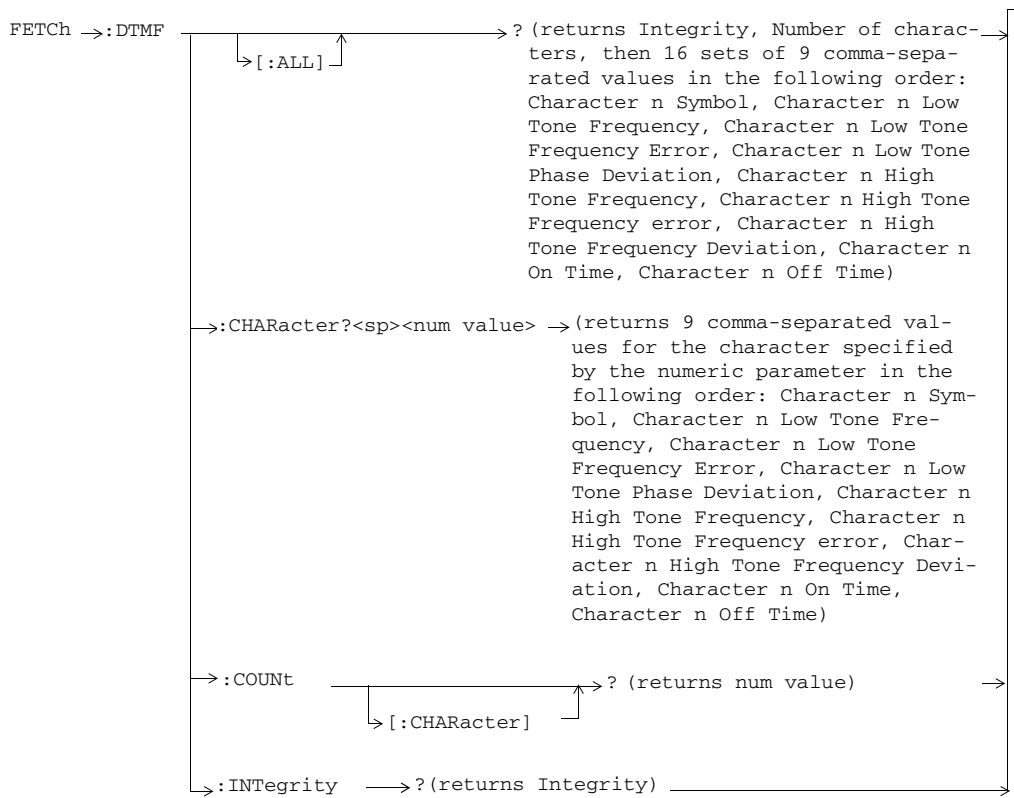
FETCH:CTXSpurious



FETCH:DAPower

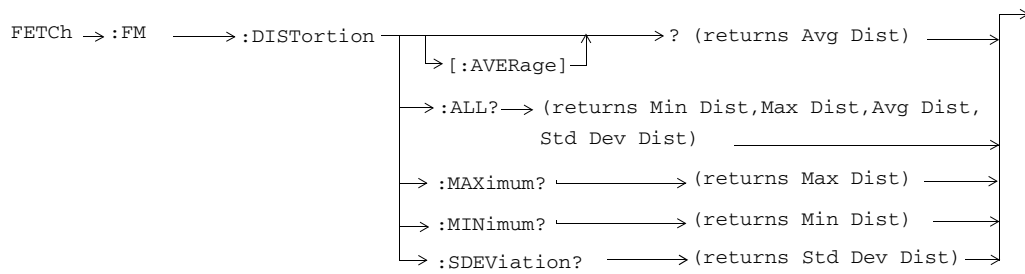
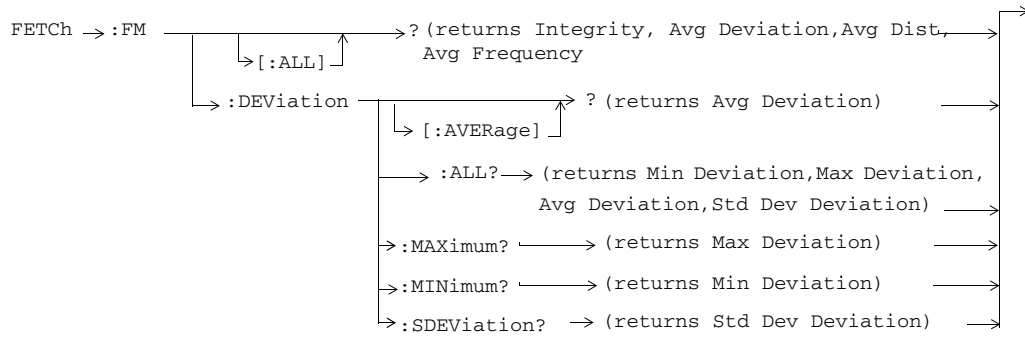


FEtCh:DTMF

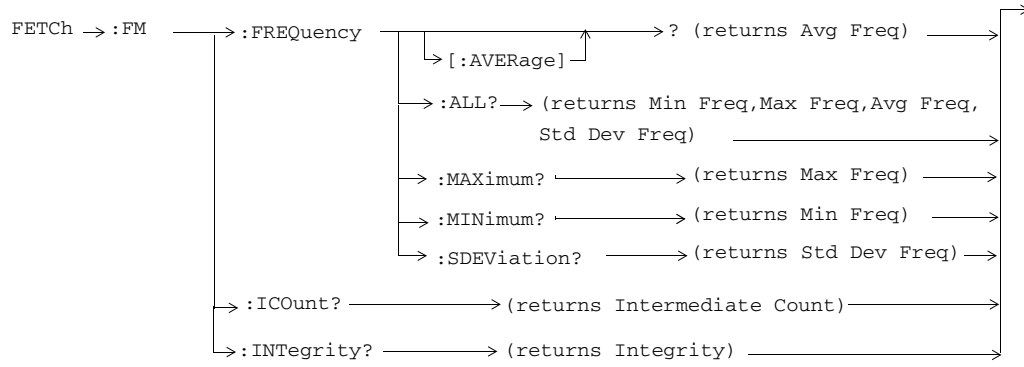


GPIB Syntax for E1962B, E6702B/T

FETCh:FM

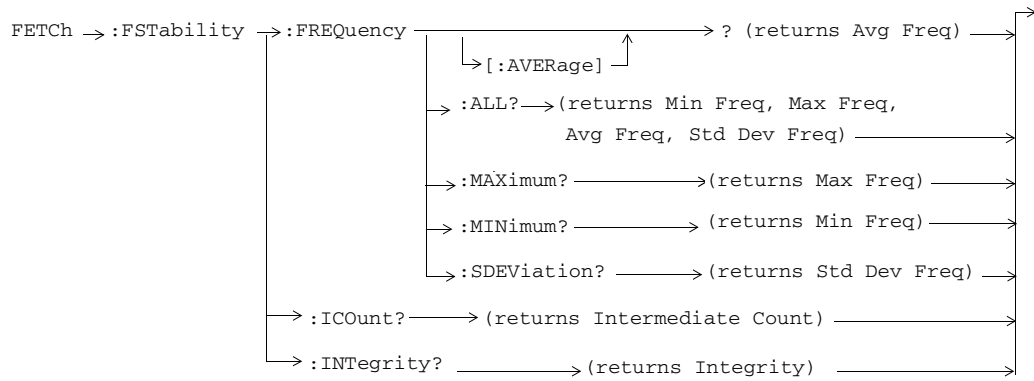
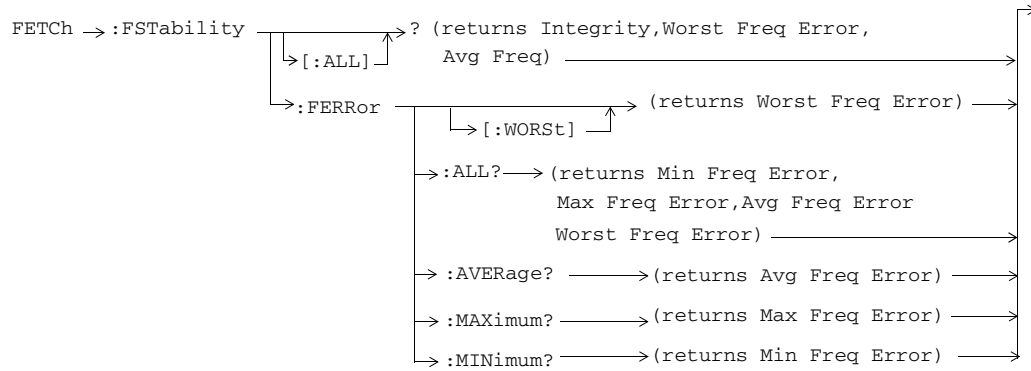


GPIB Syntax for E1962B, E6702B/T

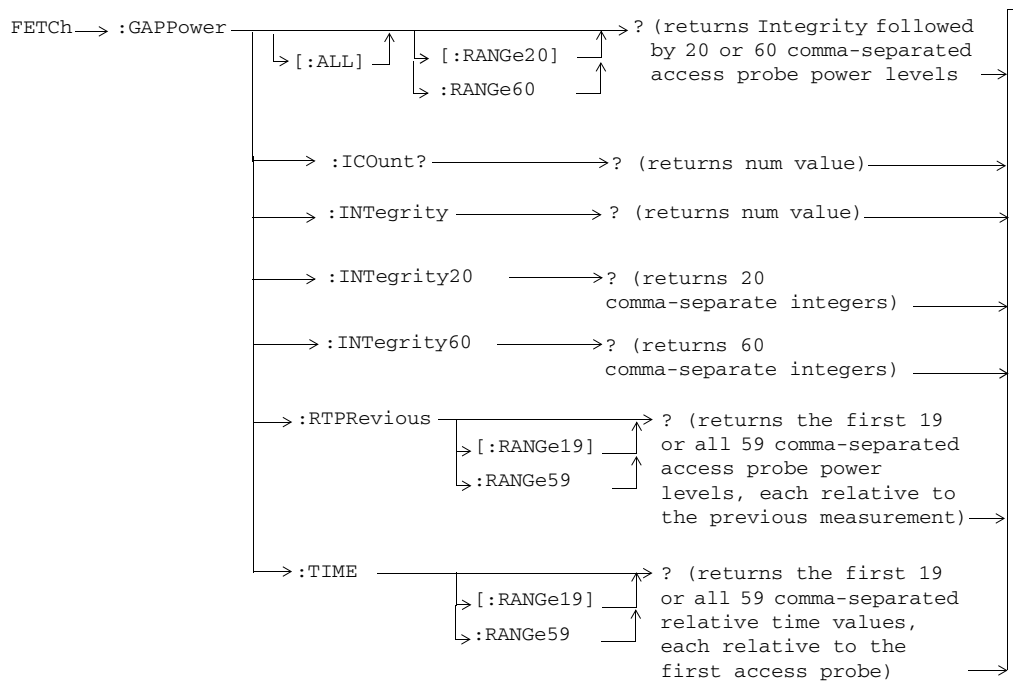


GPIB Syntax for E1962B, E6702B/T

FETCh:FSTability

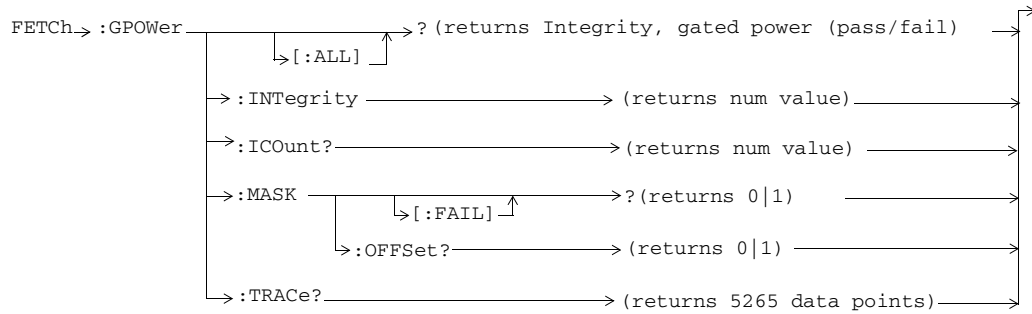


FEtCh:GAPPower?

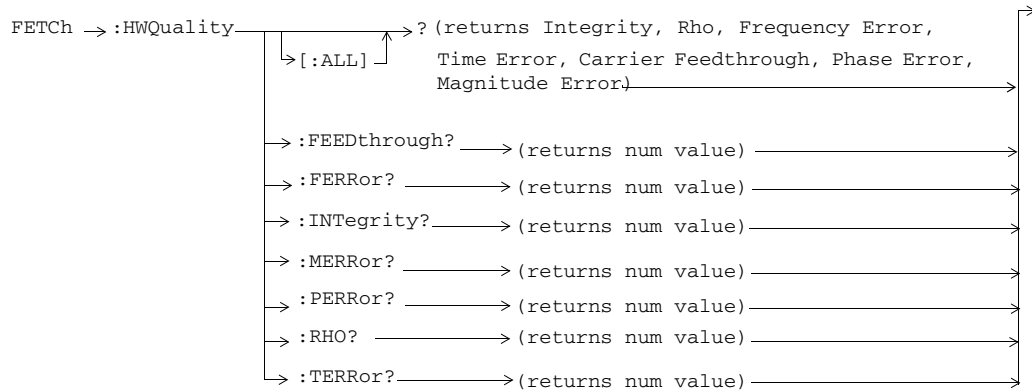


All commands shown in this diagram are only applicable to the lab application.

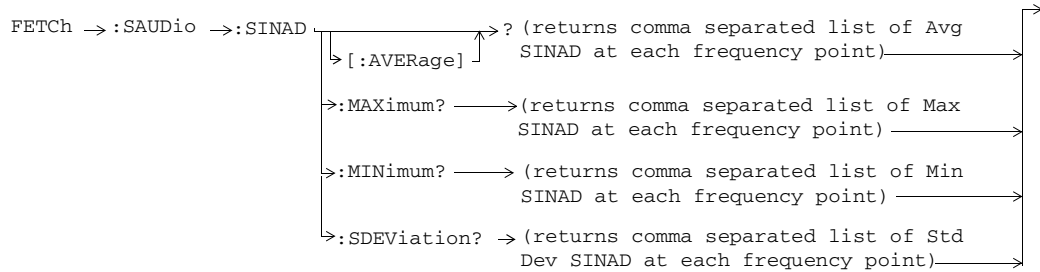
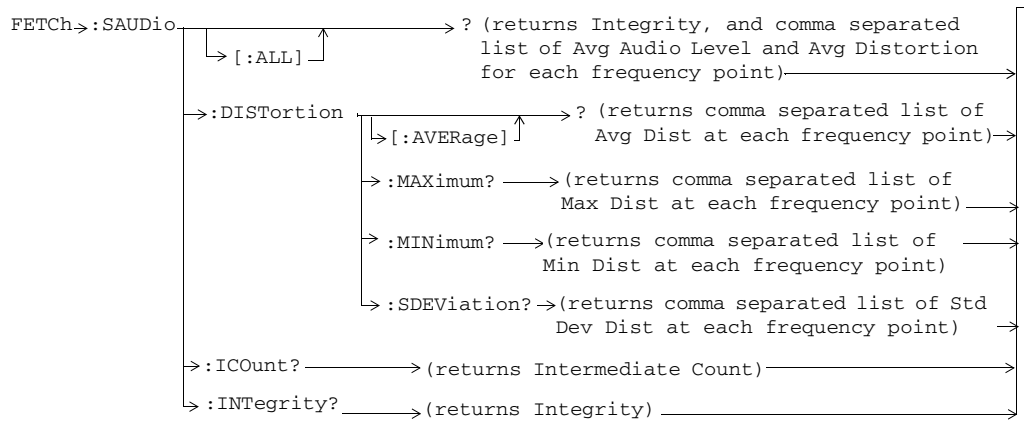
FETCH:GPOWER



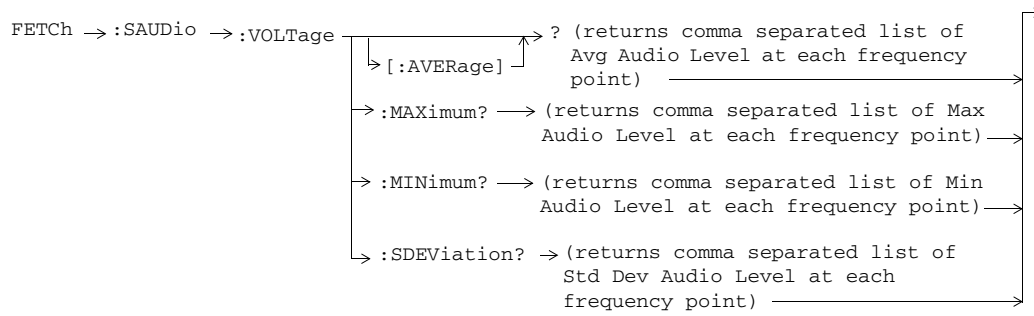
FETCH:HWQuality



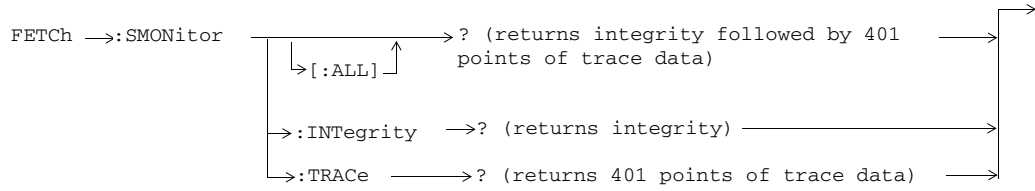
FEtCh:SAUDio



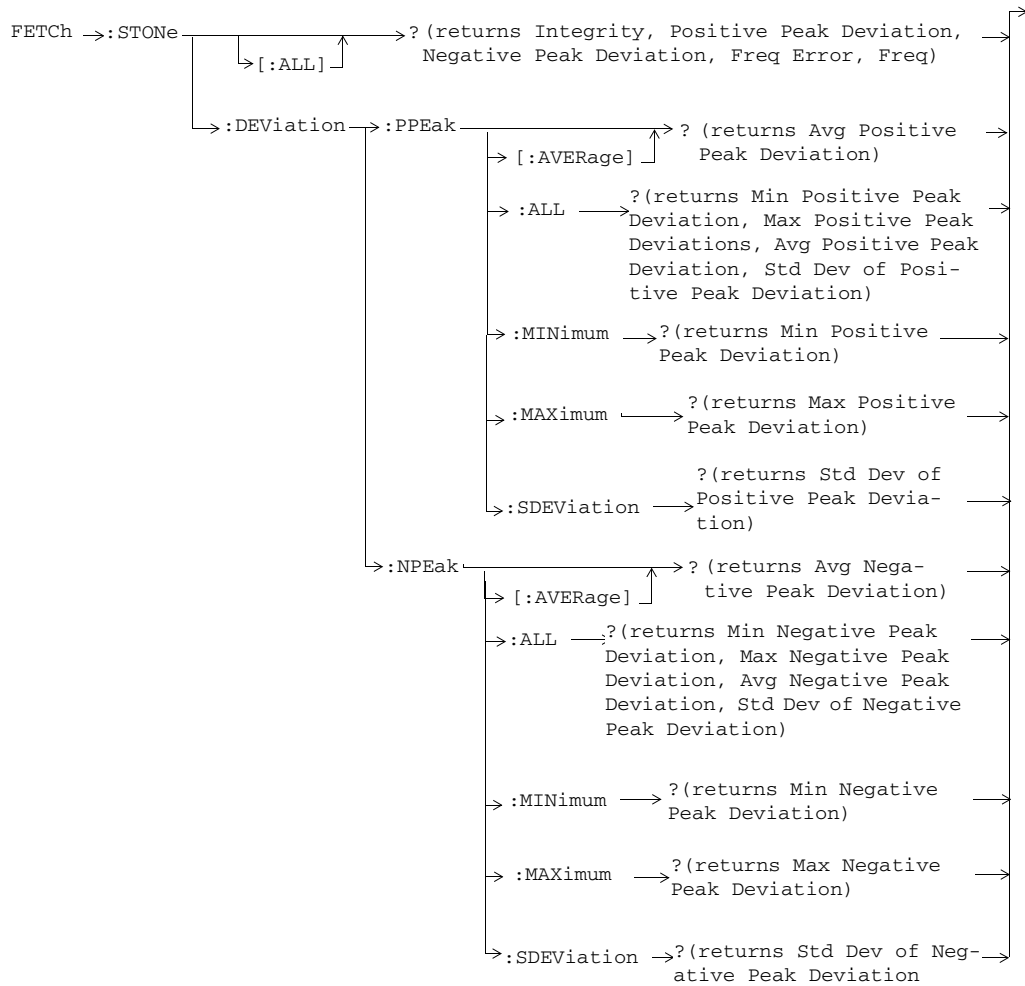
GPIB Syntax for E1962B, E6702B/T



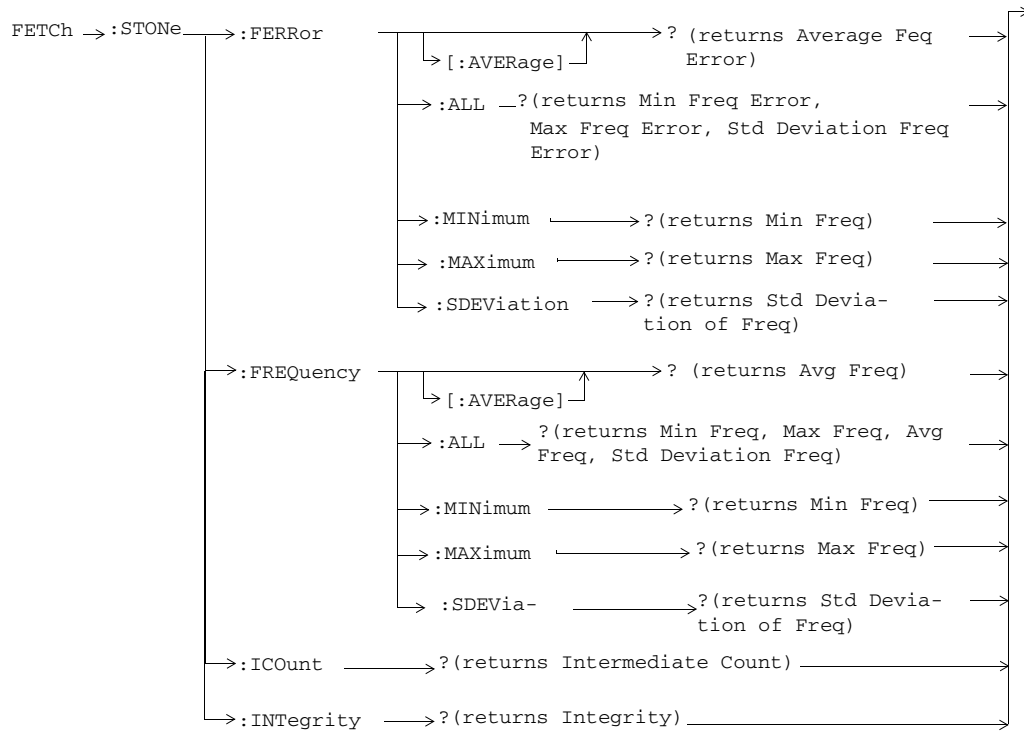
FEtCh:SMONitor



FEtCh:STONe

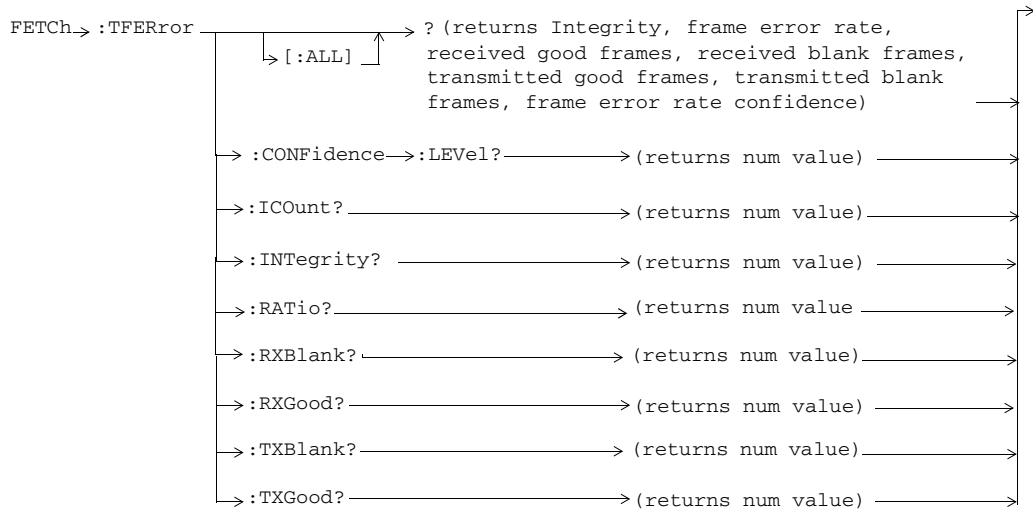


GPIB Syntax for E1962B, E6702B/T

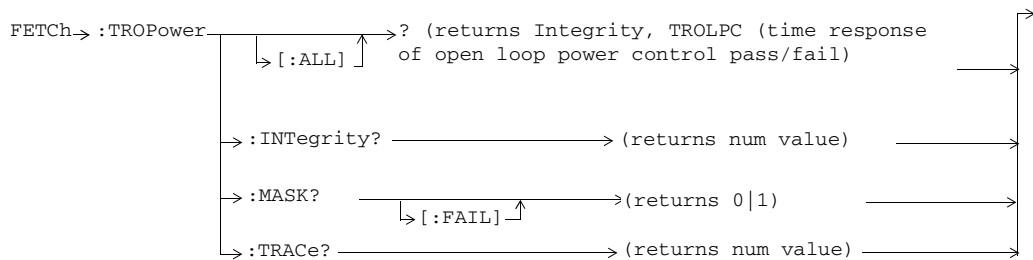


GPIB Syntax for E1962B, E6702B/T

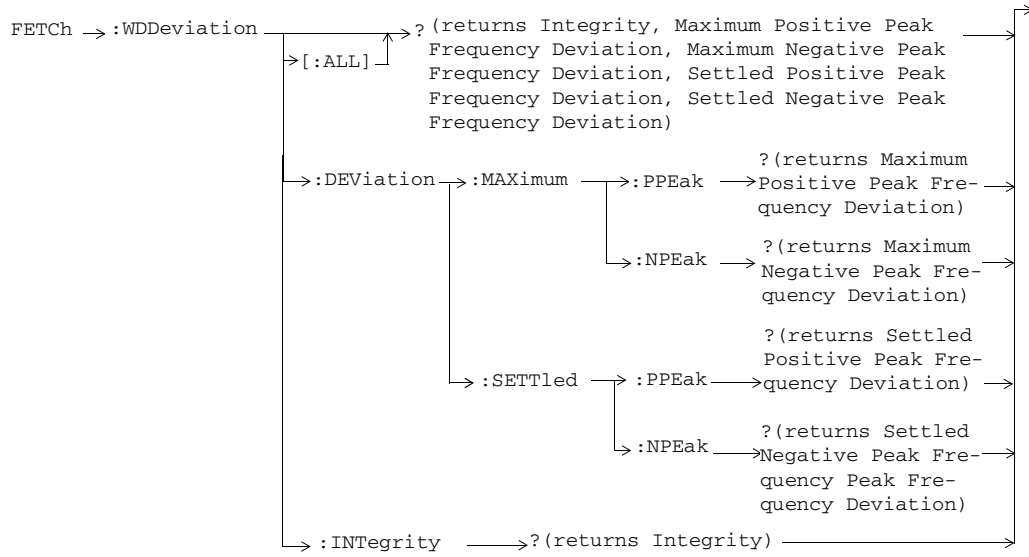
FETCH:TFERror



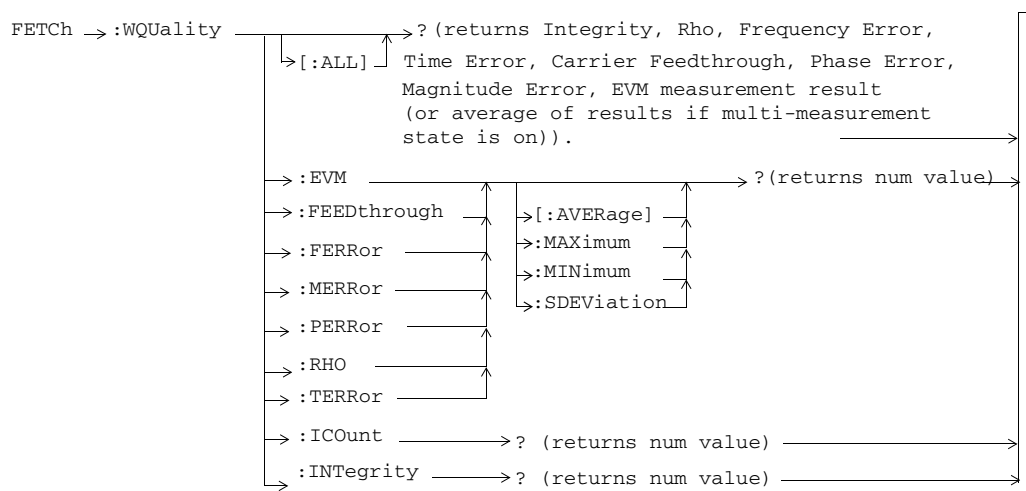
FETCH:TROPower



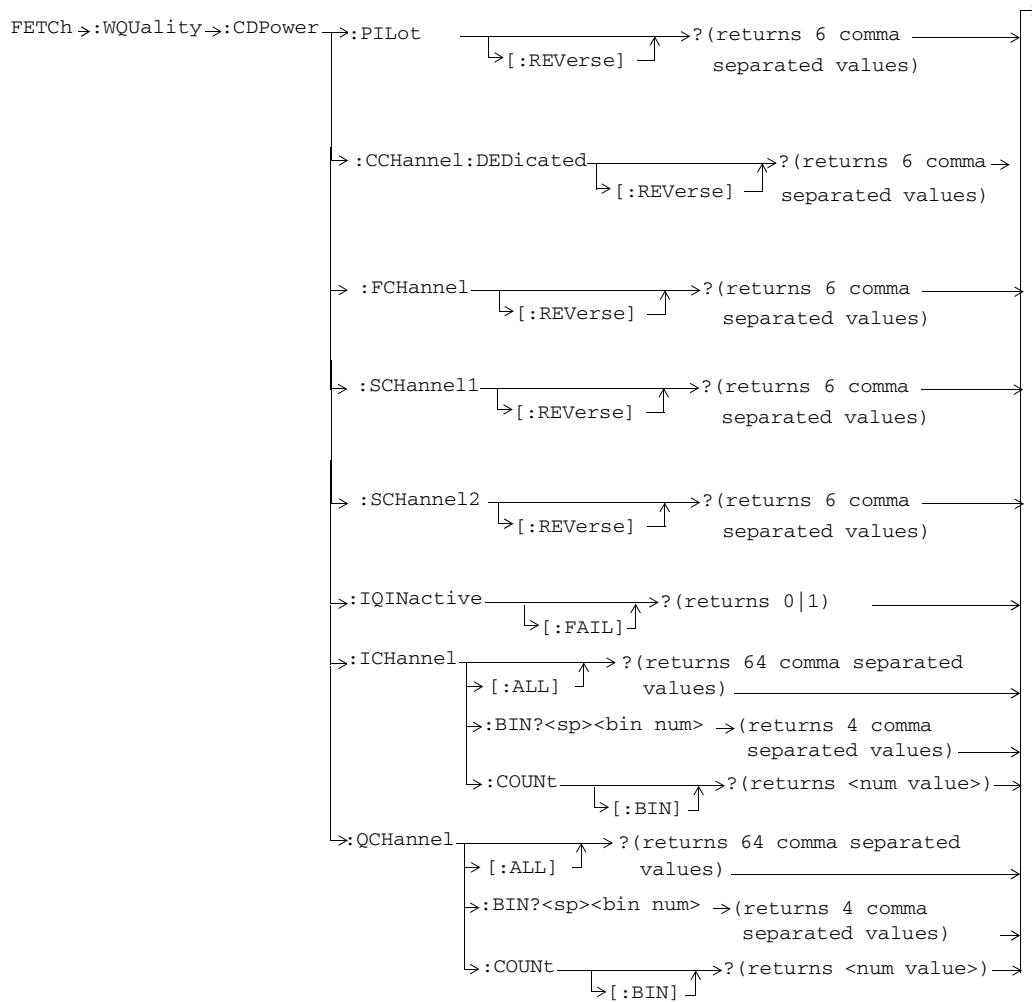
FEtCh:WDDeViation



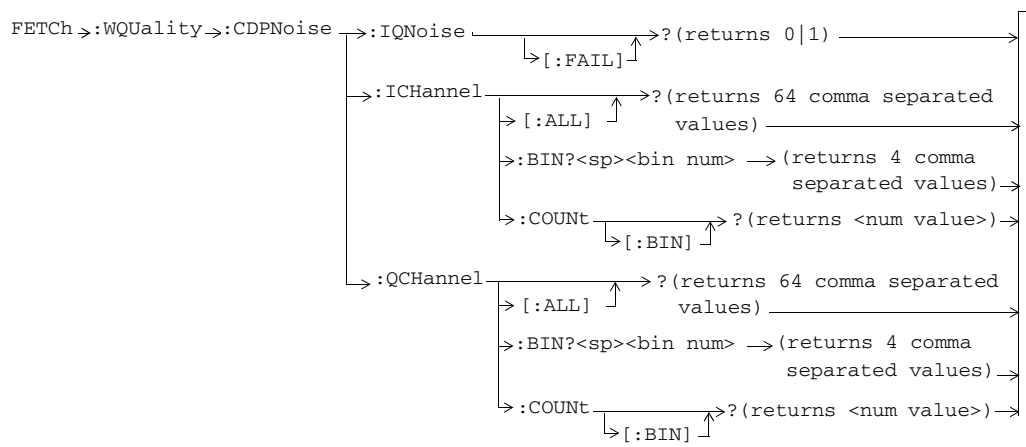
FETCH:WQuality



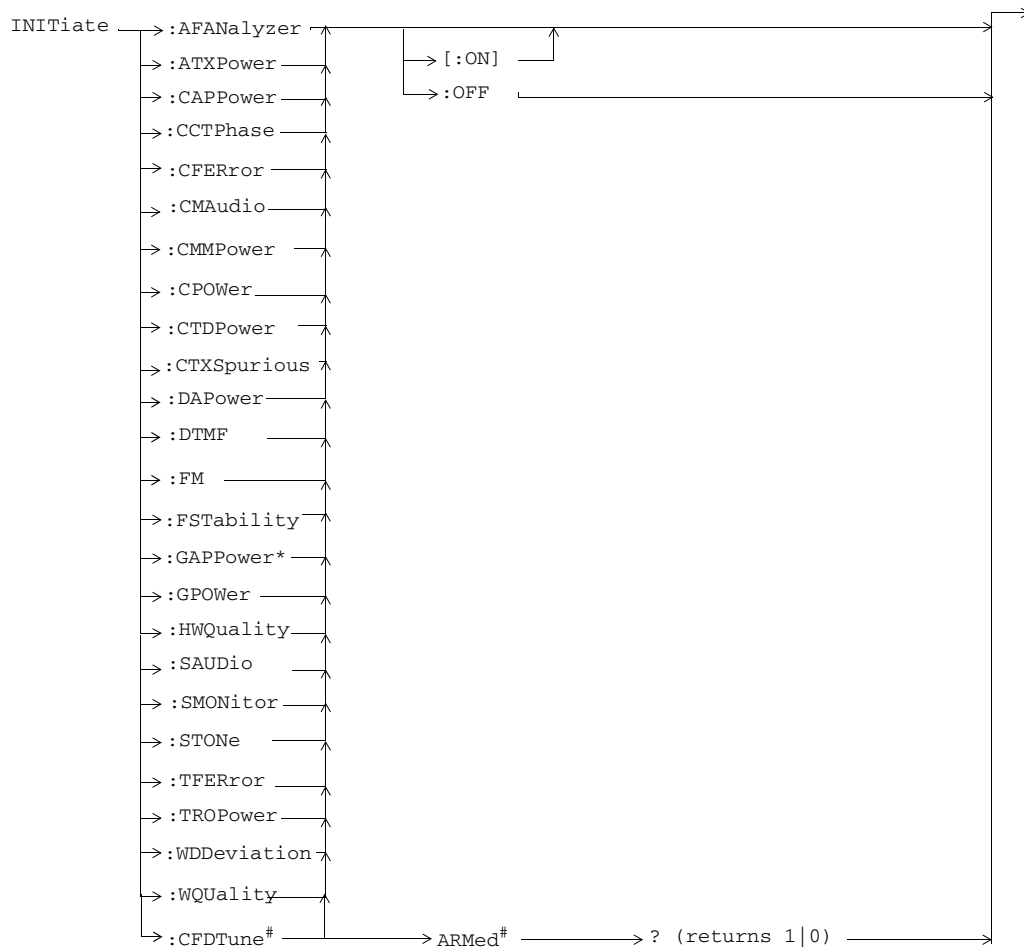
GPIB Syntax for E1962B, E6702B/T



GPIB Syntax for E1962B, E6702B/T



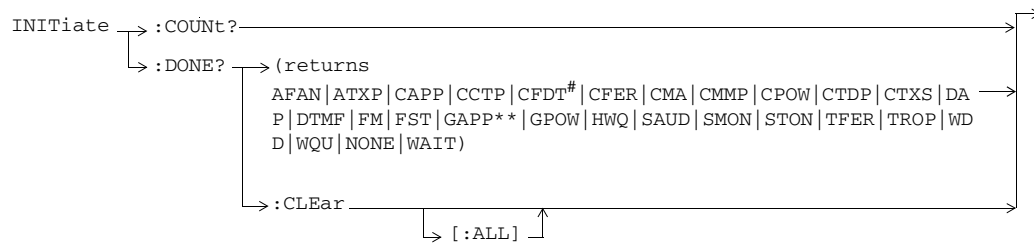
INITiate



Only applicable to the lab application or feature-licensed test application.

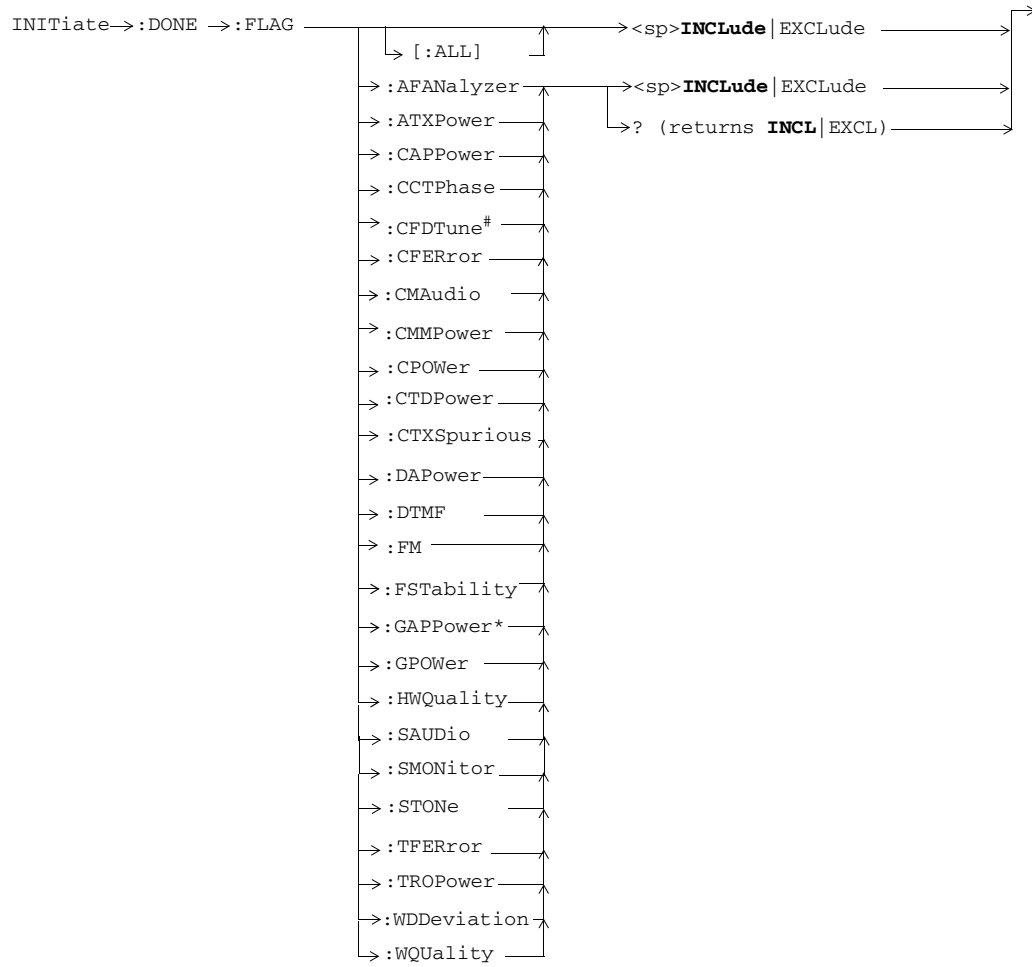
* Only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T



Only applicable to the lab application or feature-licensed test application.

** This query return is only applicable to the lab application.



[#] Only applicable to the lab application or feature-licensed test application.

* This command is only applicable to the lab application.

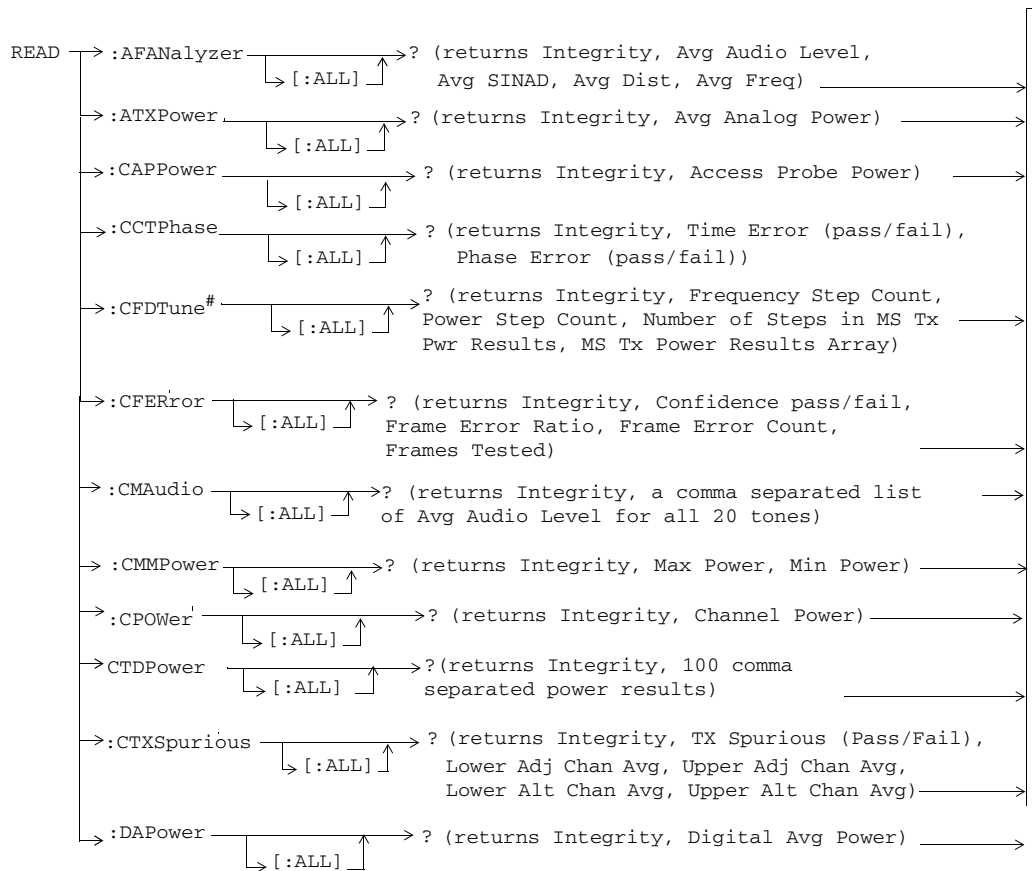
GPIB Syntax for E1962B, E6702B/T

INITiate→:ON? →(returns comma-separated list of
AFAN|ATXP|CAPP|CCTP|CFDT#|CFER|CMMP|CPOW|CTDP|CTXS|DAP|DTMF|F
M|FST|GAPP**|GPOW|HWQ|SAUD|SMON|STON|TFER|TROP|WDD|WQU|NONE) →

*** This query return is only applicable to the lab application.*

Only applicable to the lab application or feature-licensed test application.

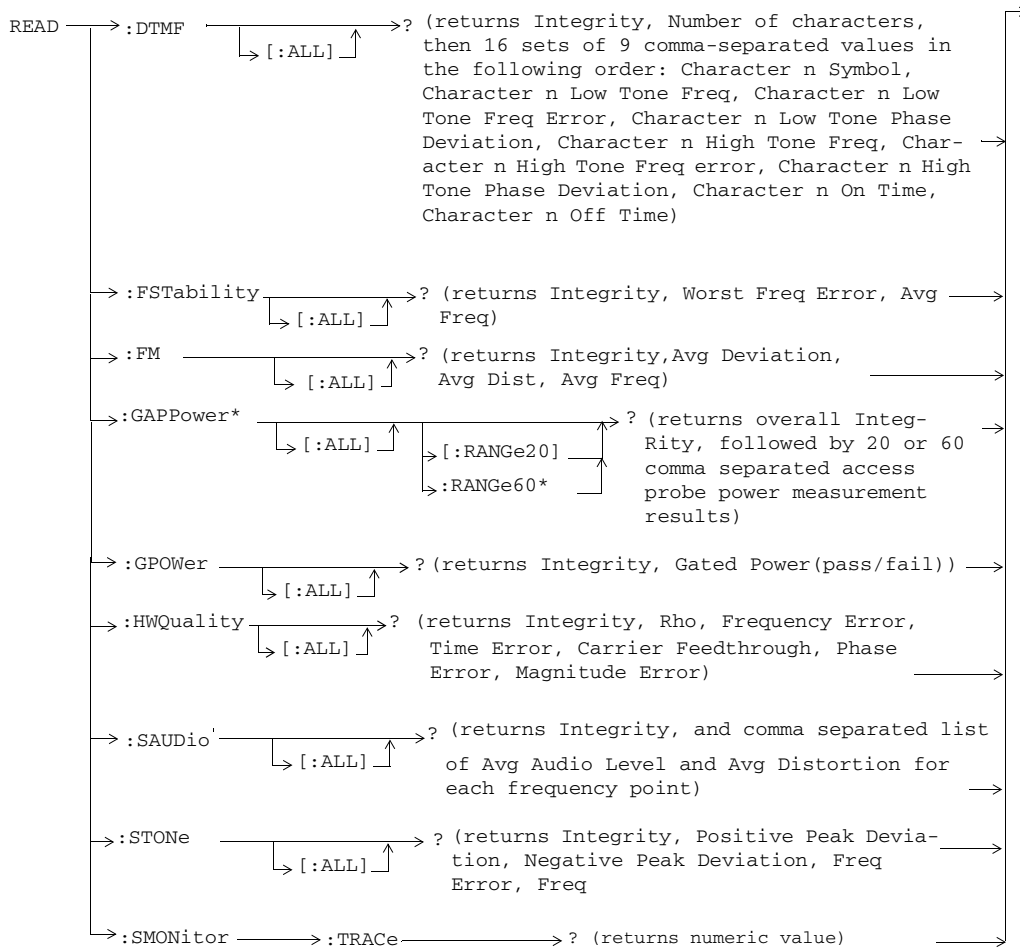
READ



Only applicable to the lab application or feature-licensed test application.

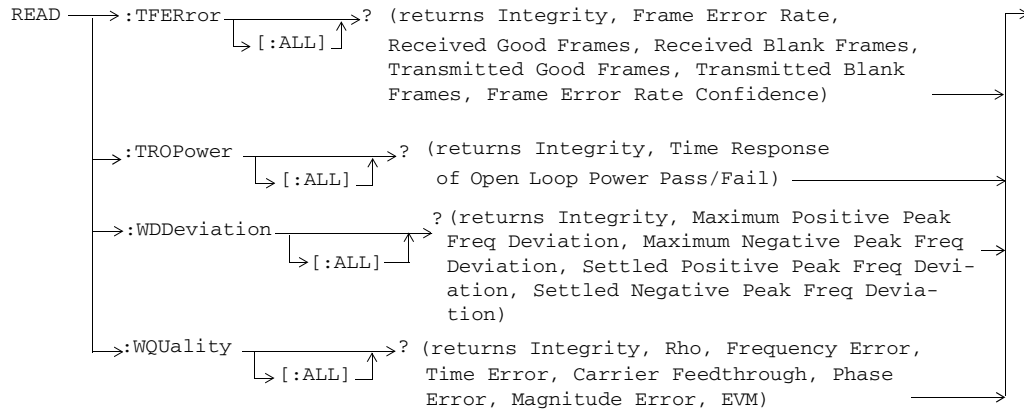
* Only applicable to the lab application.

GPIB Syntax for E1962B, E6702B/T

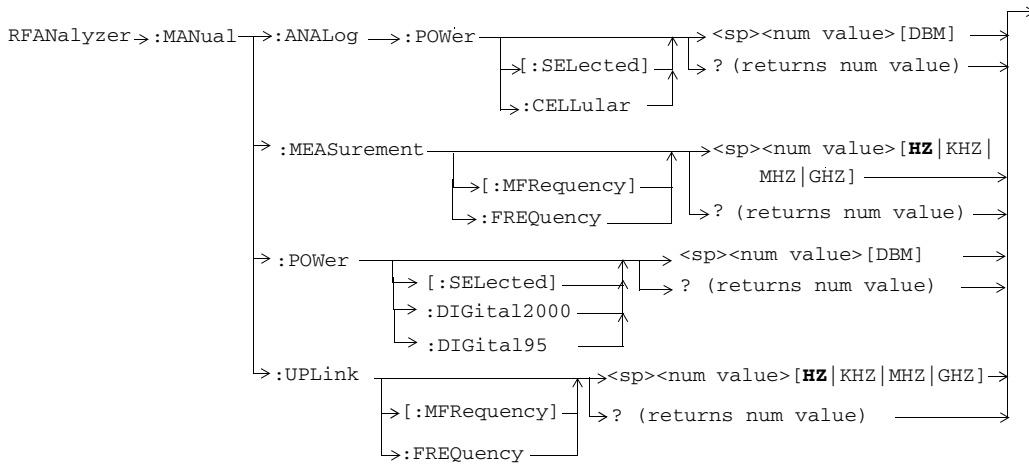
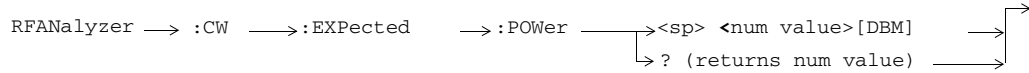
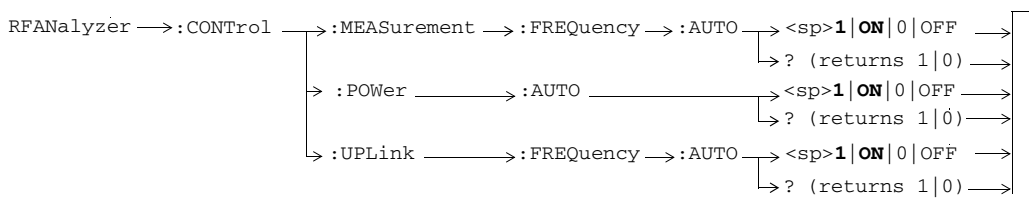
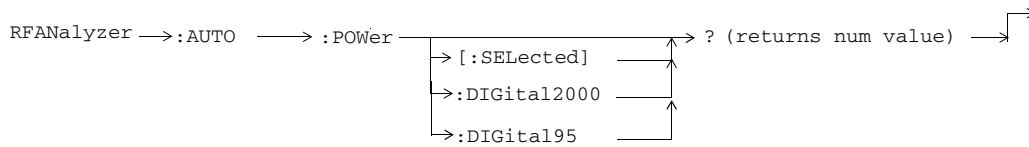


* Only applicable to the lab application.

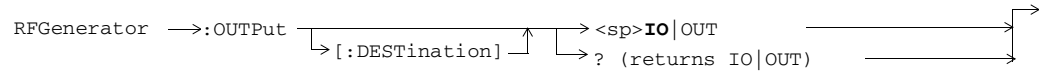
GPiB Syntax for E1962B, E6702B/T



RFAnalyzer



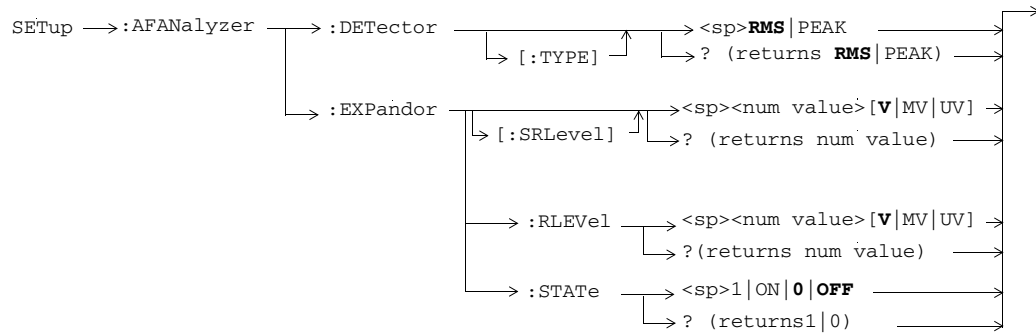
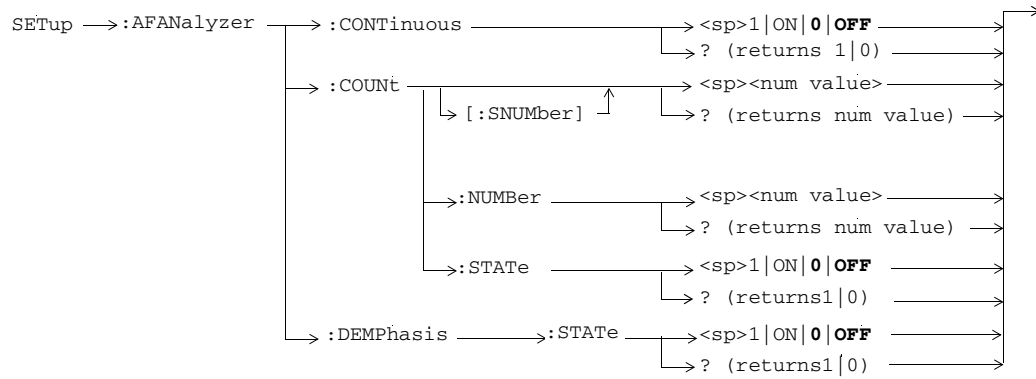
RFGenerator:OUTPut



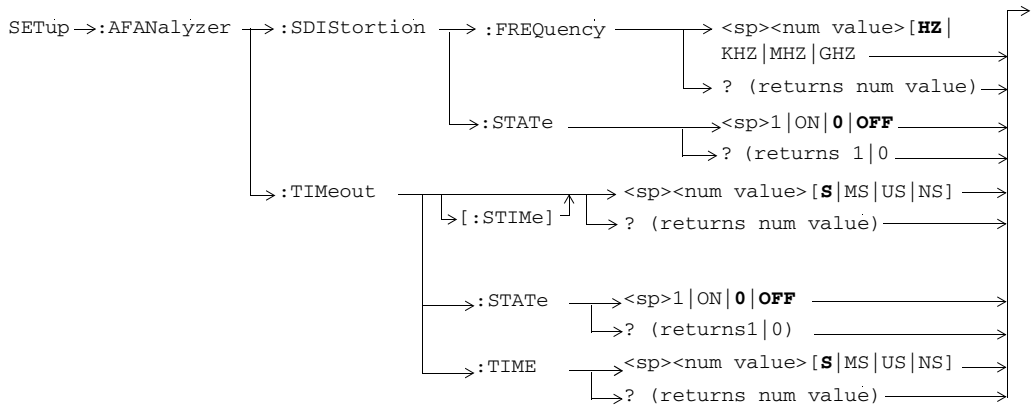
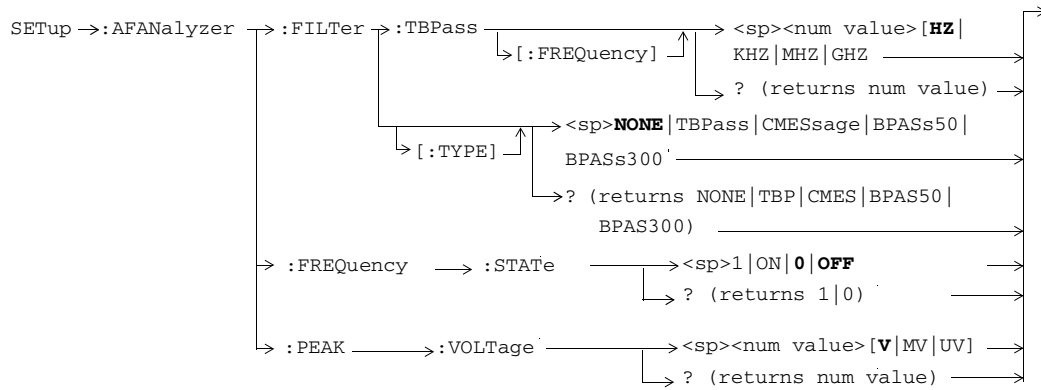
SETup:CONTInuous

SETup → :CONTInuous → :OFF | :ON →
└─> [:ALL] ┘

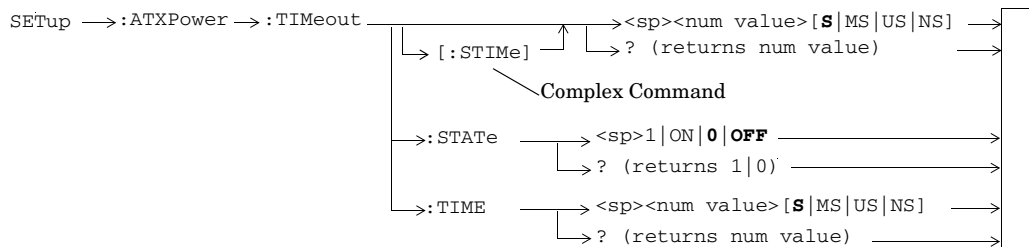
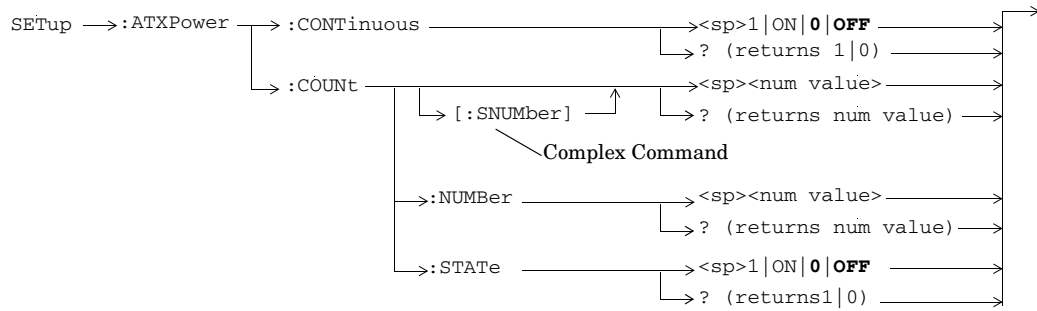
SETup:AFANalyzer



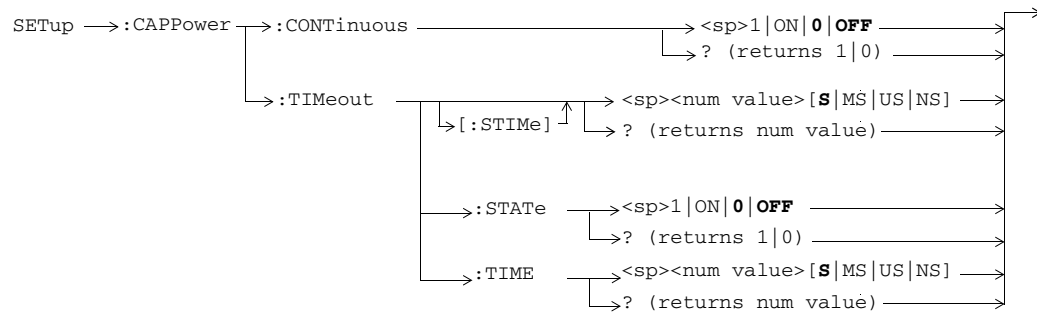
GPIB Syntax for E1962B, E6702B/T



SETup:ATXPower

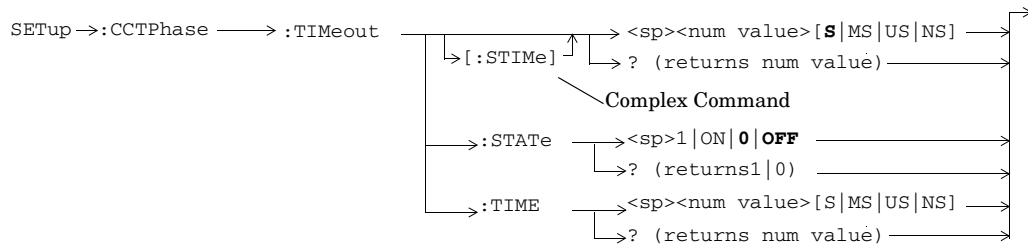
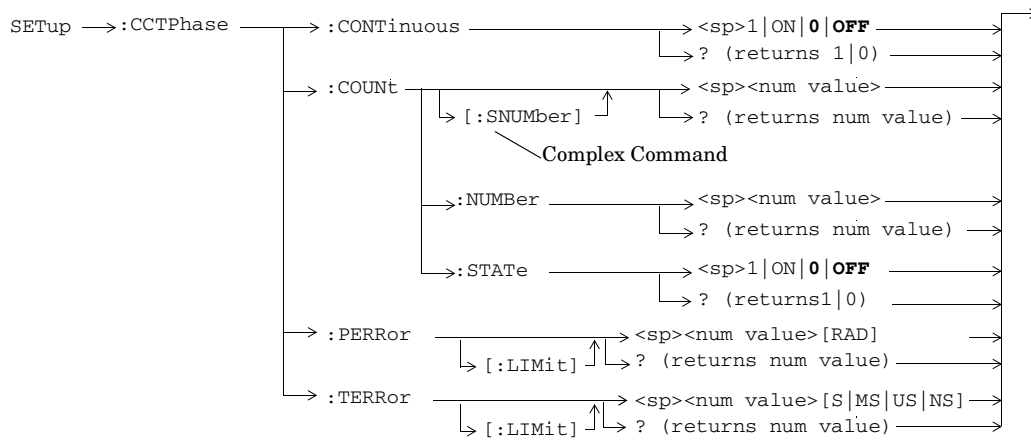


SETup:CAPPower

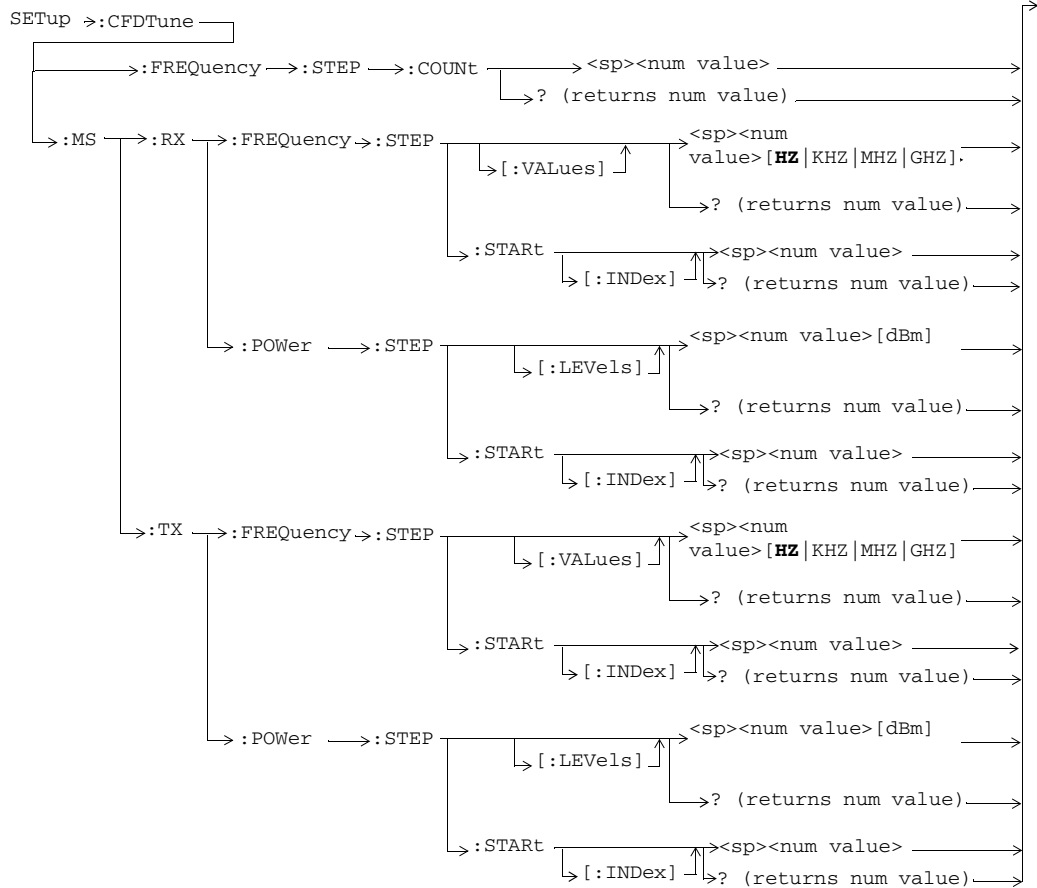


GPIB Syntax for E1962B, E6702B/T

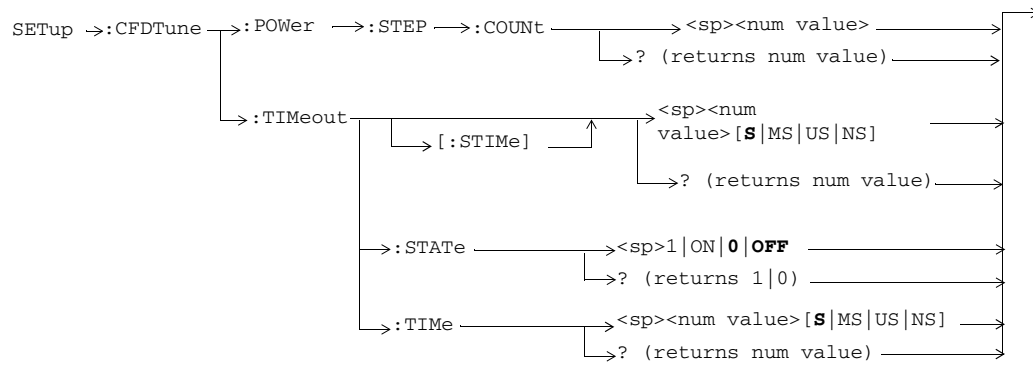
SETup:CCTPhase



SETup:CFDTune

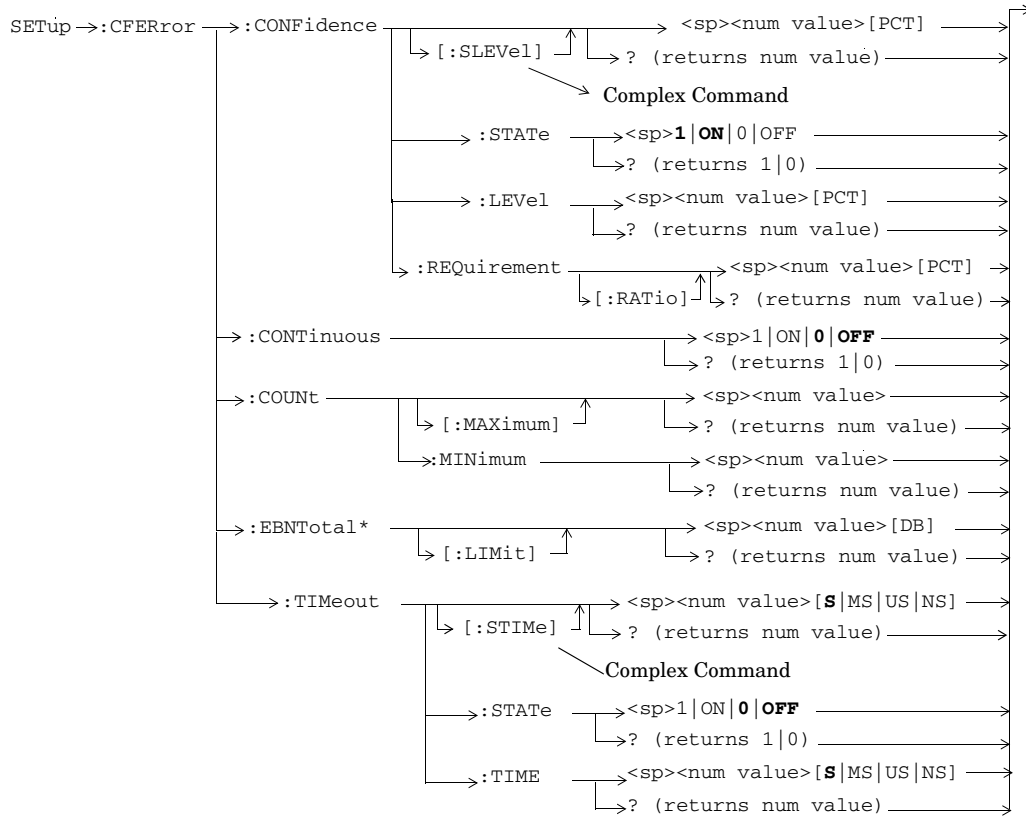


GPIB Syntax for E1962B, E6702B/T



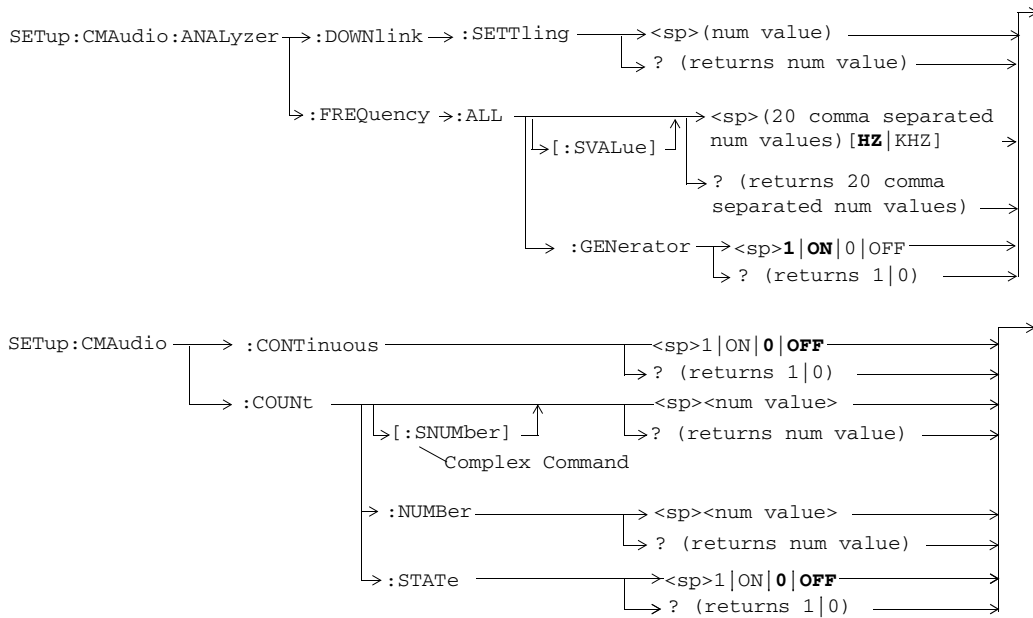
All commands shown in this diagram are only applicable to the lab application or feature-licensed test application.

SETup:CFERror

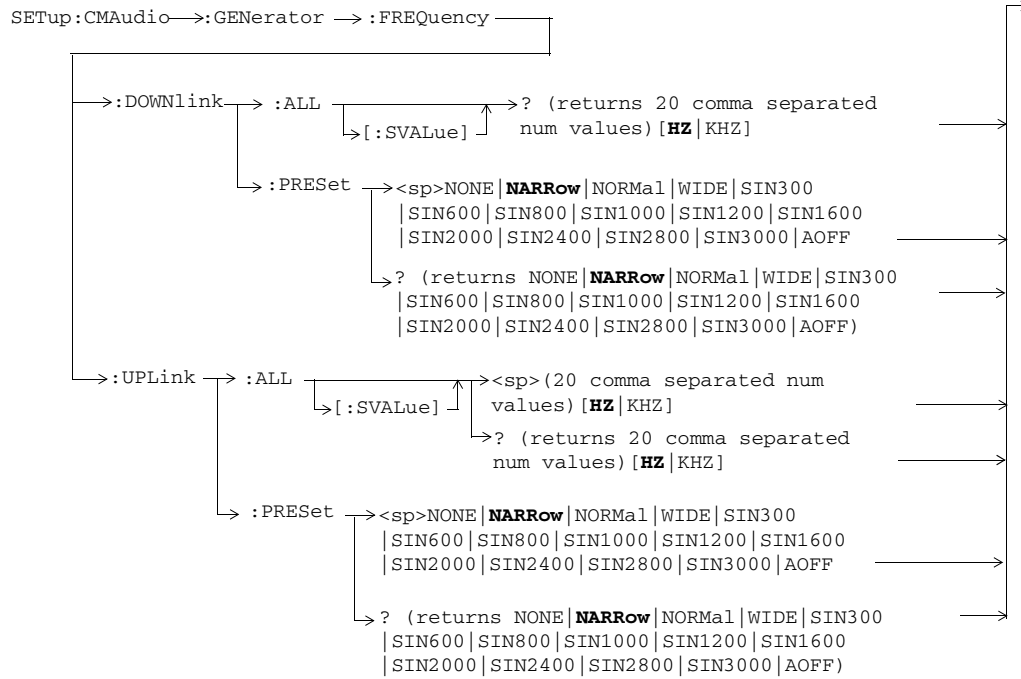


* These commands are only applicable to the lab application.

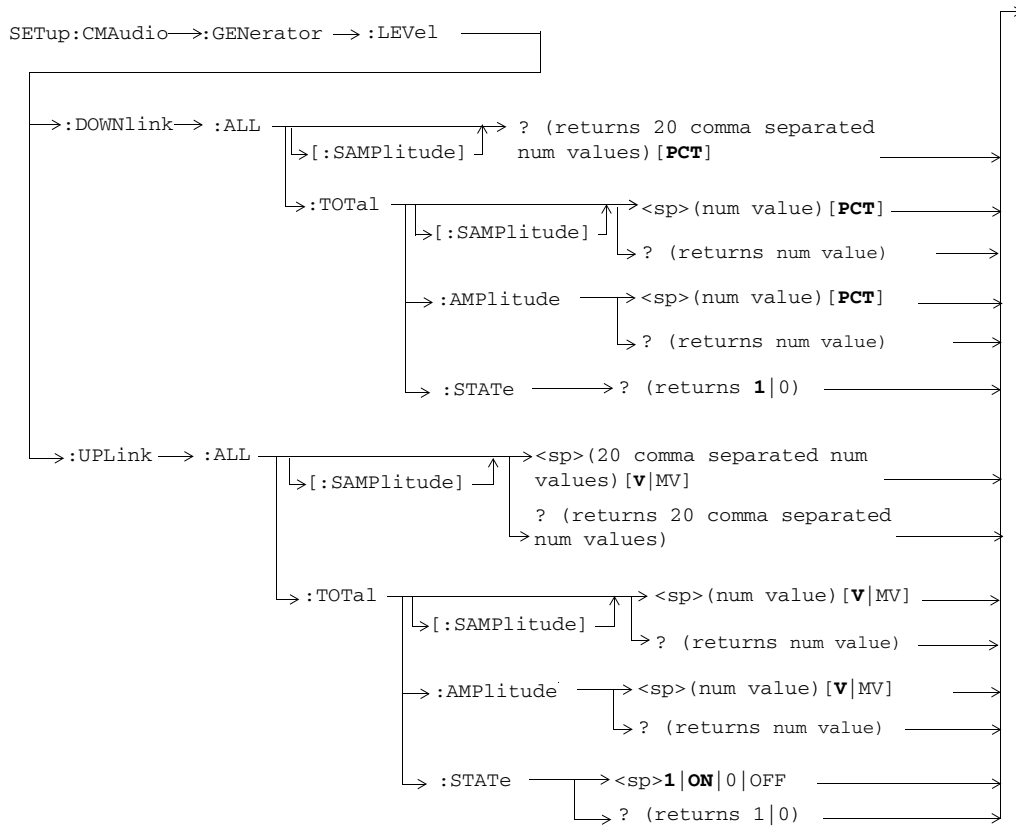
SETup:CMAudio

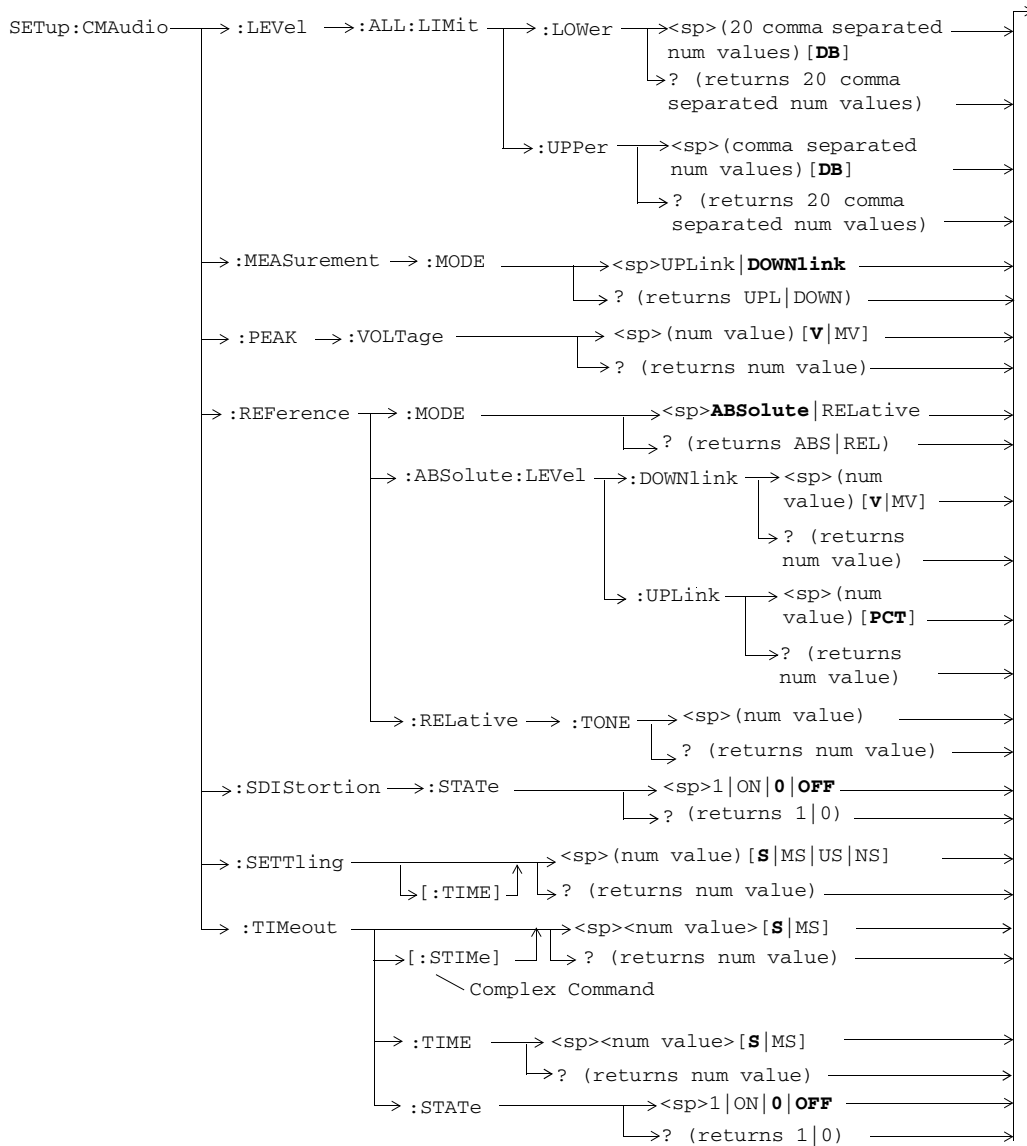


GPIB Syntax for E1962B, E6702B/T

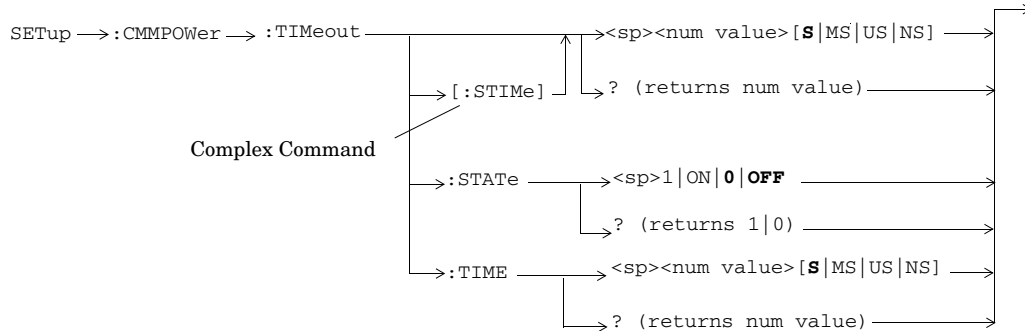
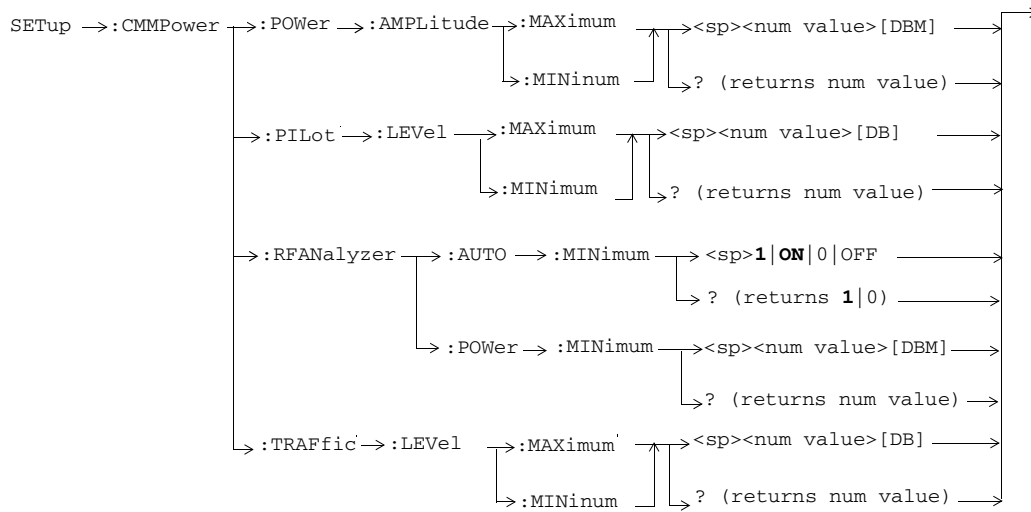


GPIB Syntax for E1962B, E6702B/T

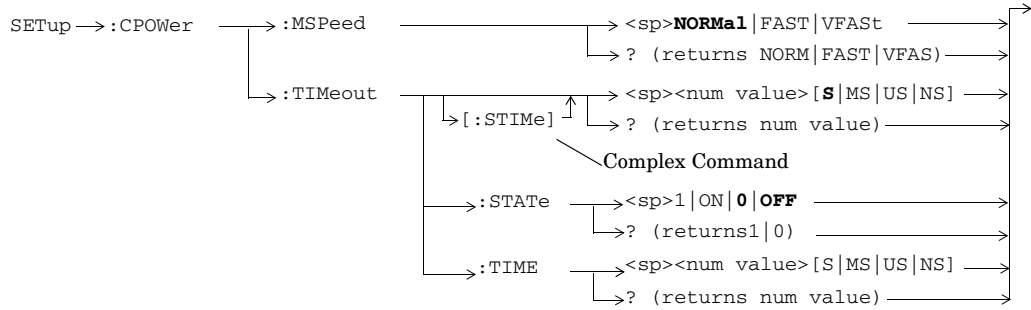
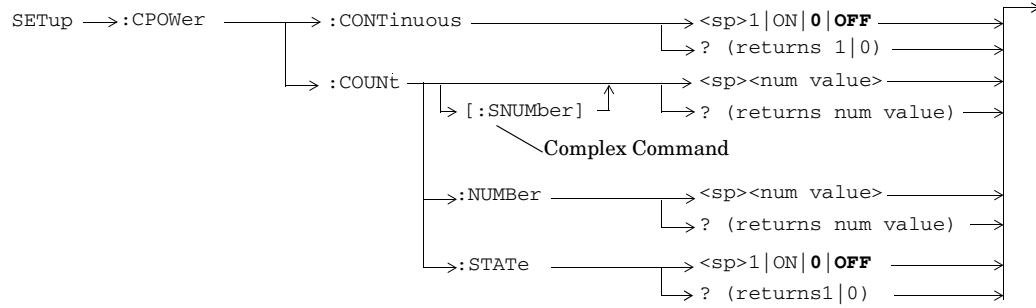




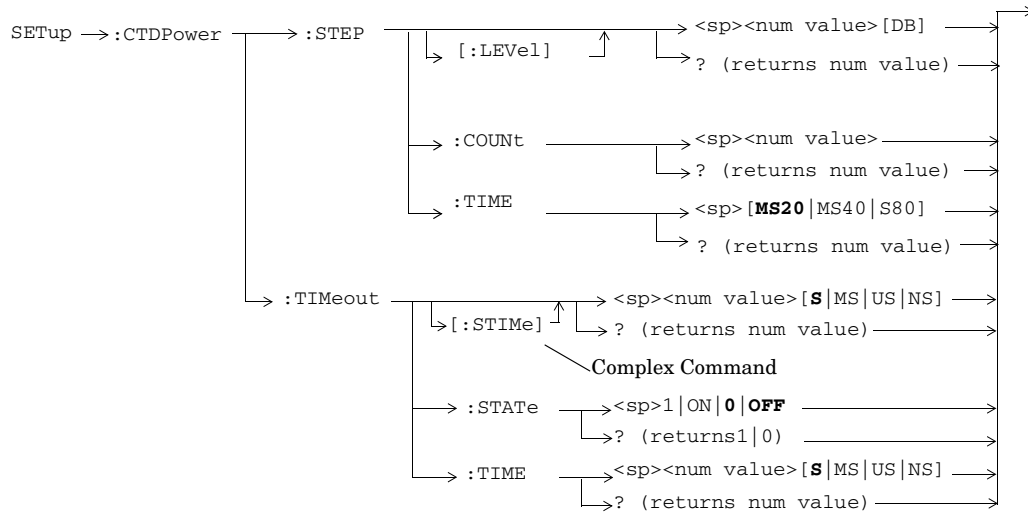
SETup:CMMPower



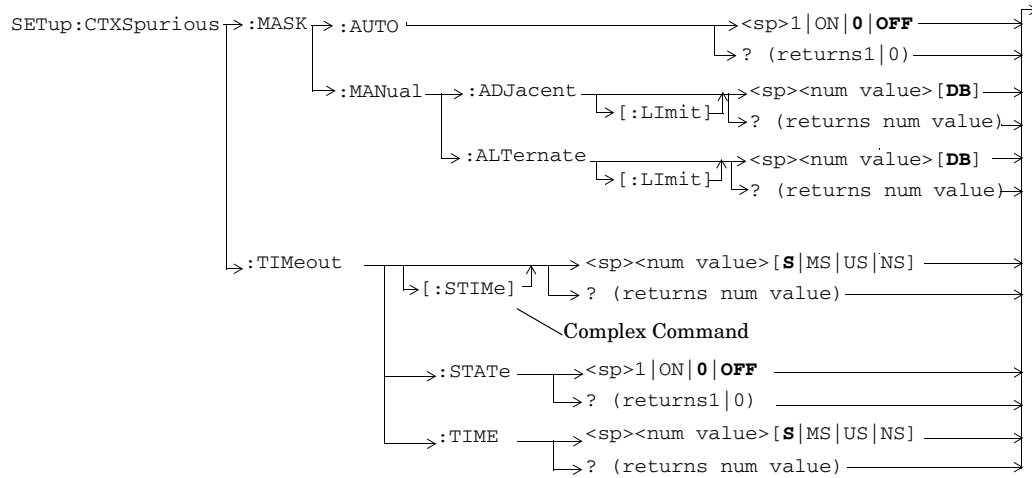
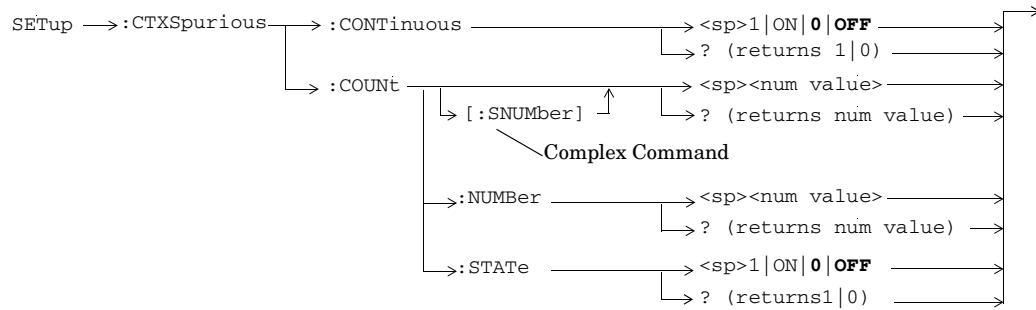
SETup:CPOWer



SETup:CTDPower

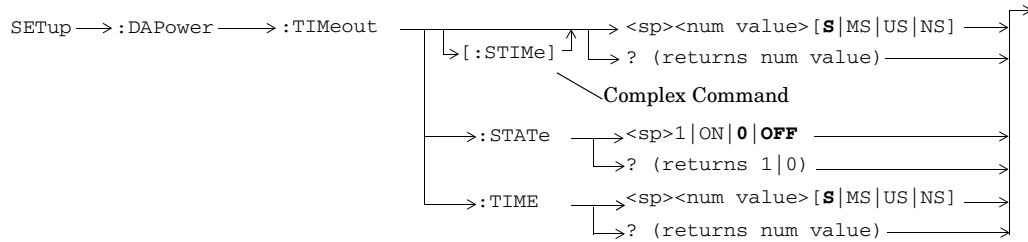
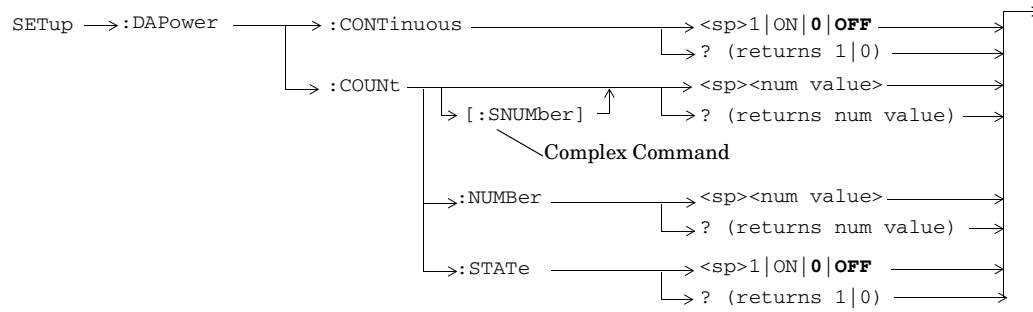


SETup:CTXSpurious

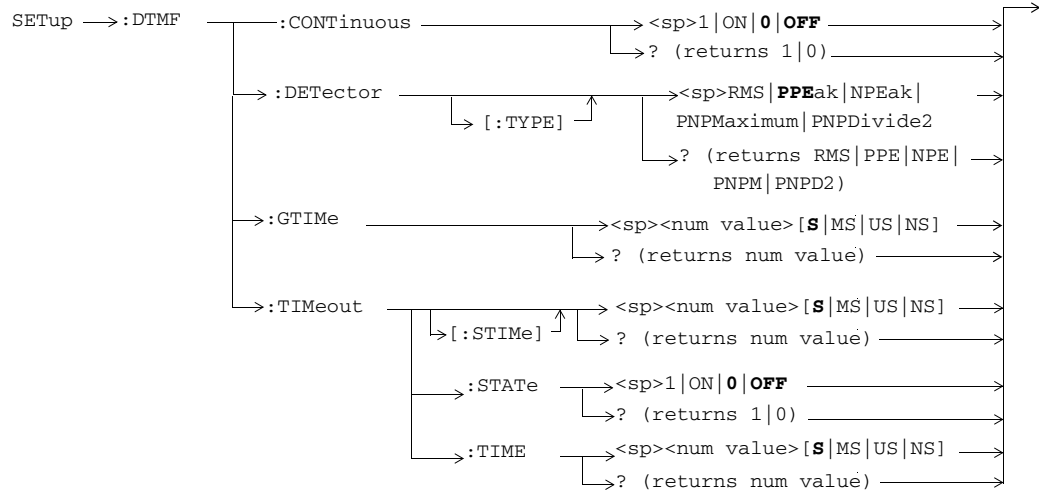


GPIB Syntax for E1962B, E6702B/T

SETup:DAPower

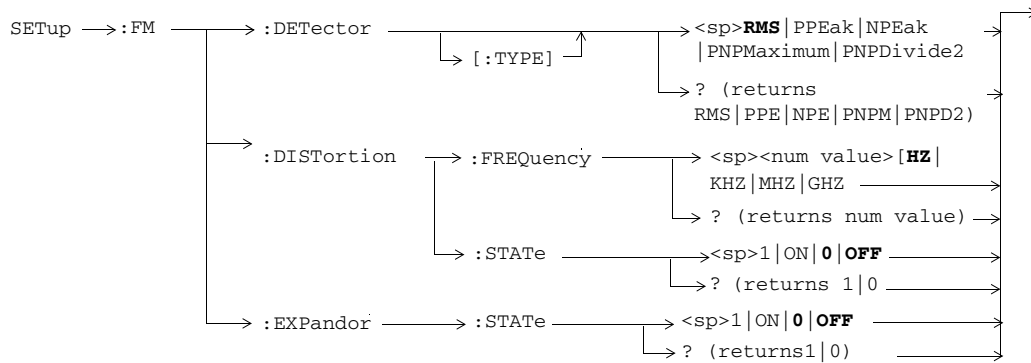
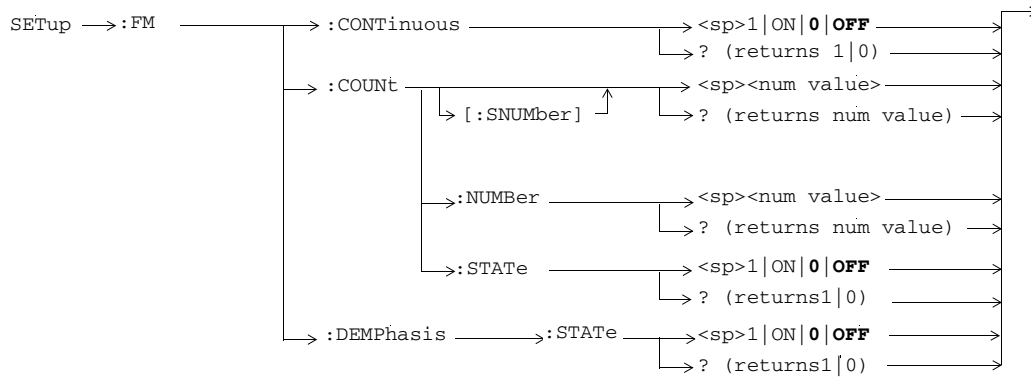


SETup:DTMF

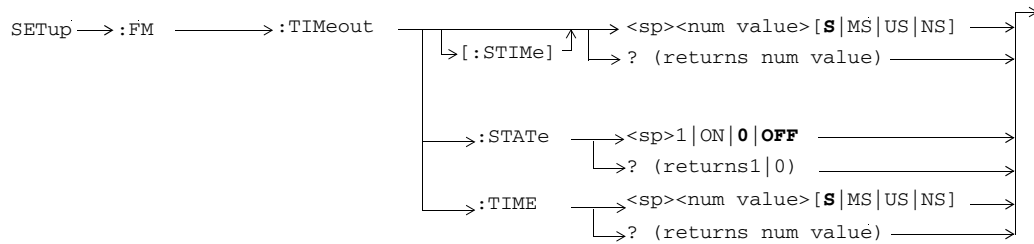
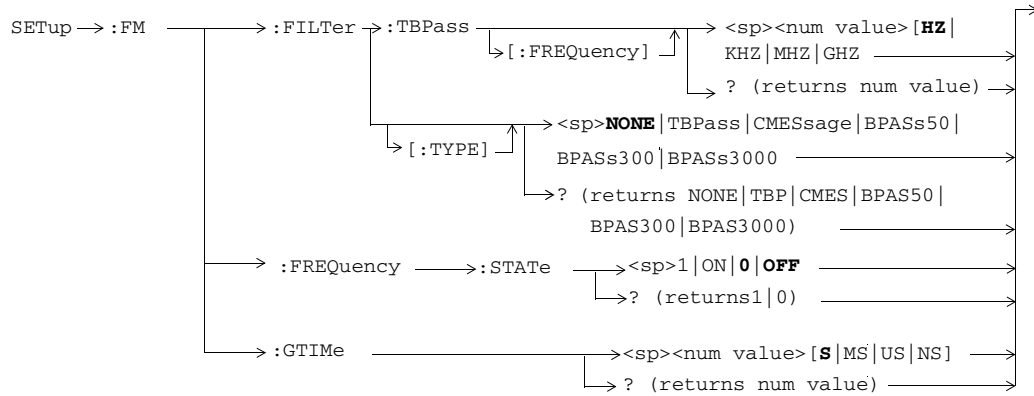


GPIB Syntax for E1962B, E6702B/T

SETup:FM

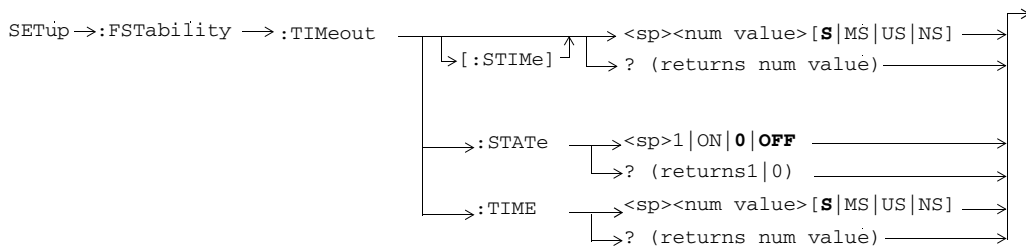
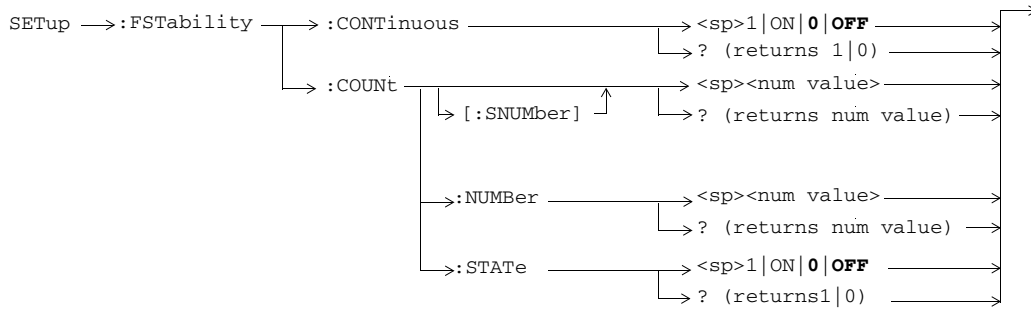


GPIB Syntax for E1962B, E6702B/T

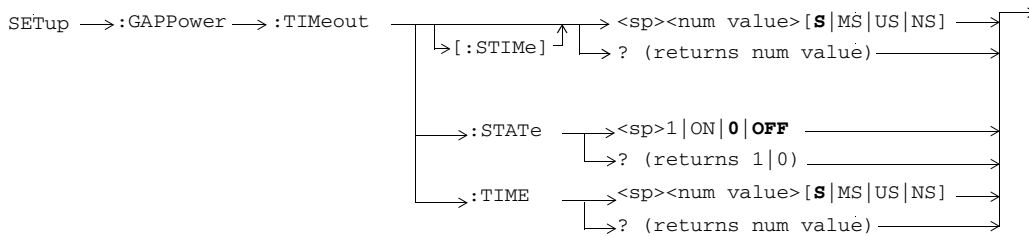


GPIB Syntax for E1962B, E6702B/T

SETup:FSTability

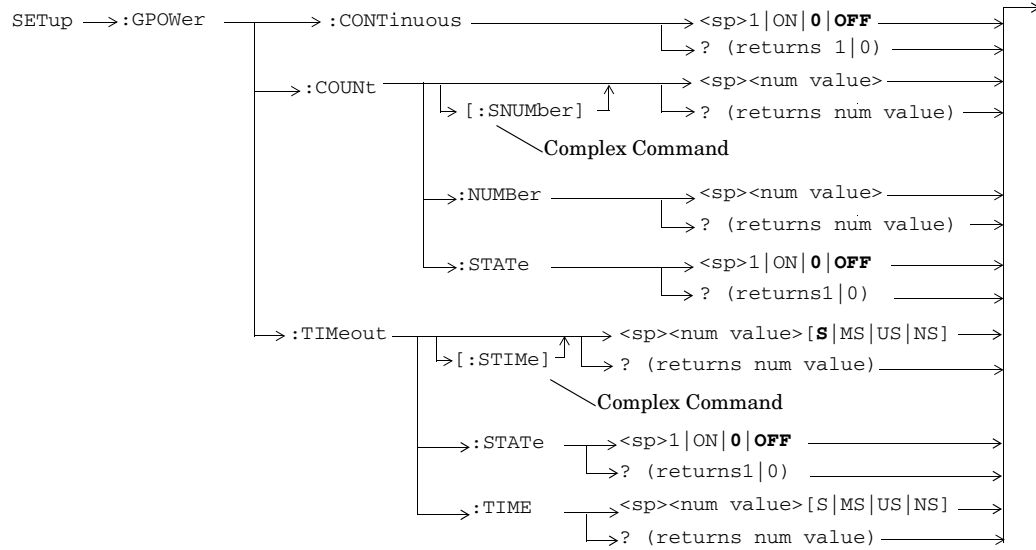


SETup:GAPPower

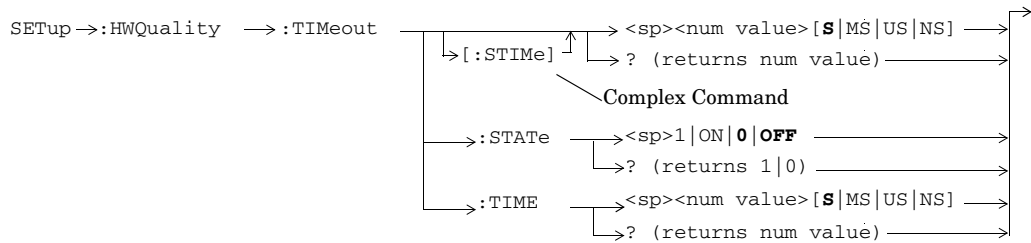


All commands shown in this diagram are only applicable to the lab application.

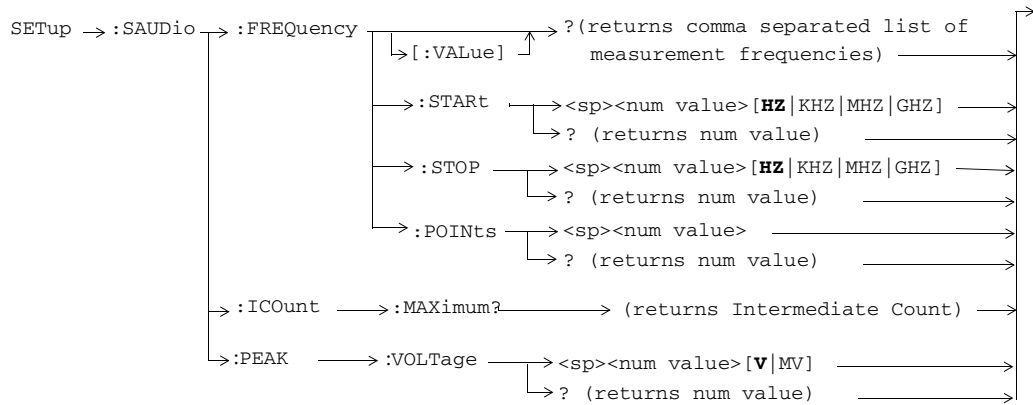
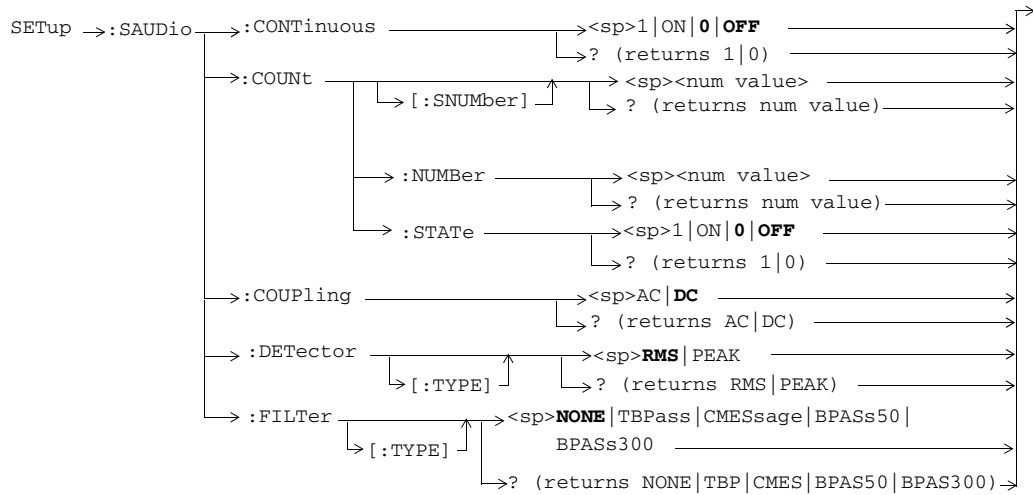
SETup:GPOWer



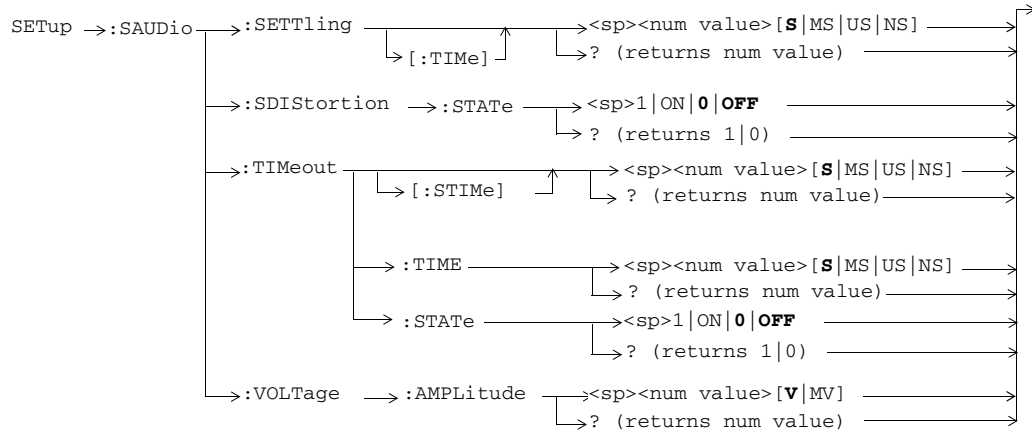
SETup:HWQuality



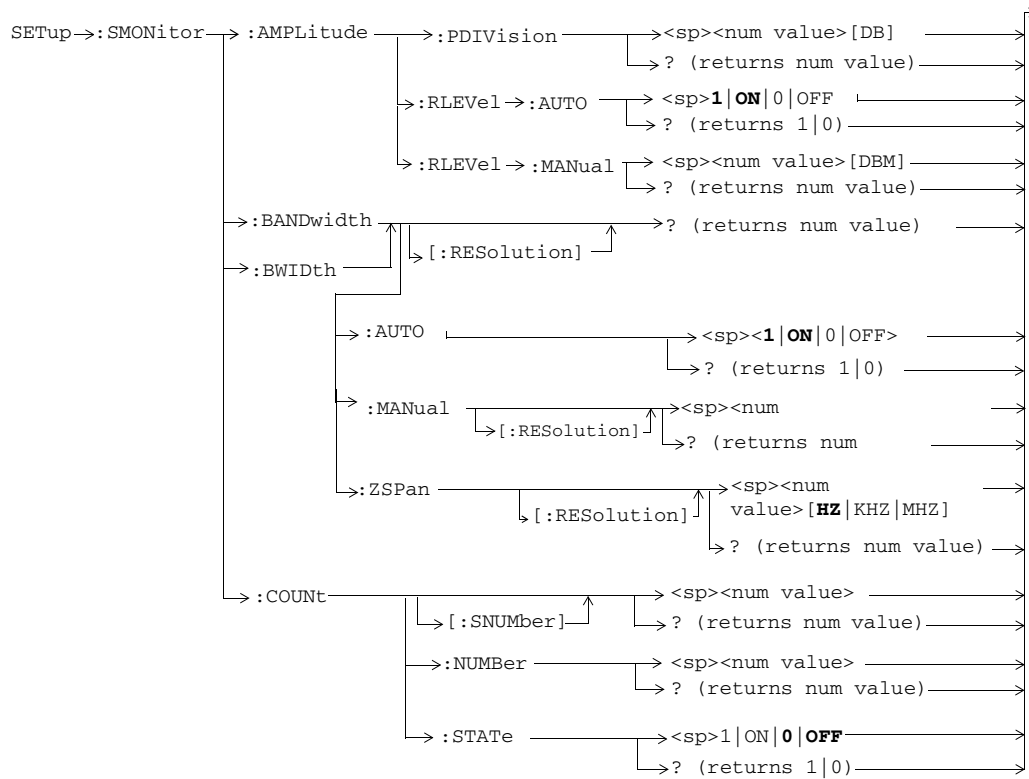
SETup:SAUDio



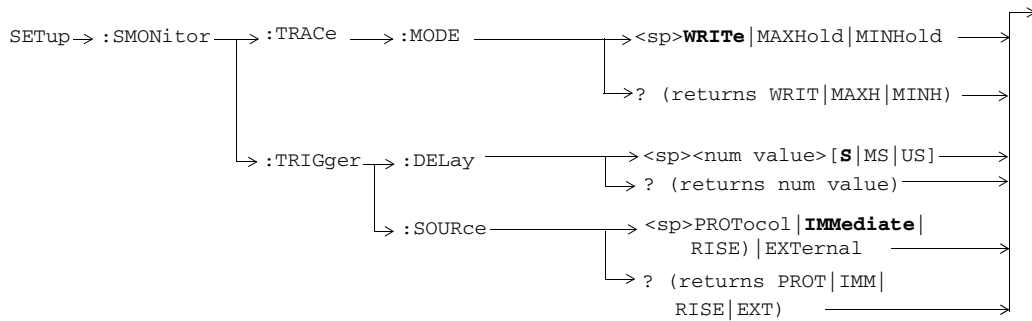
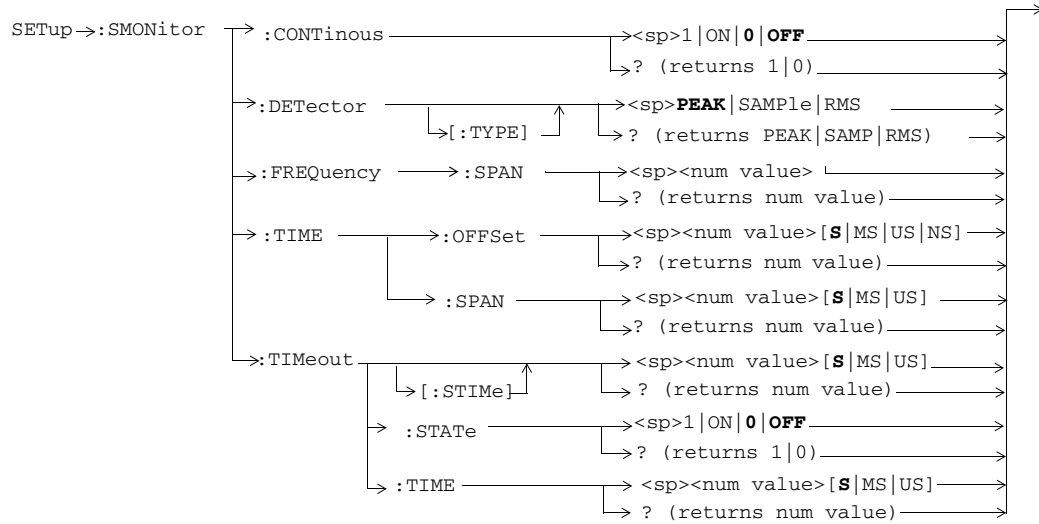
GPIB Syntax for E1962B, E6702B/T



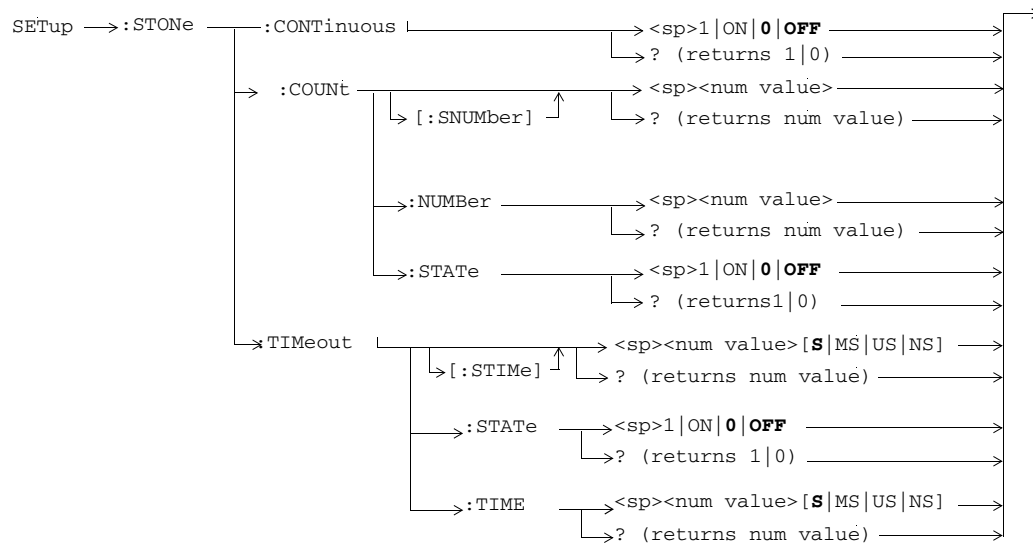
SETup:SMONitor



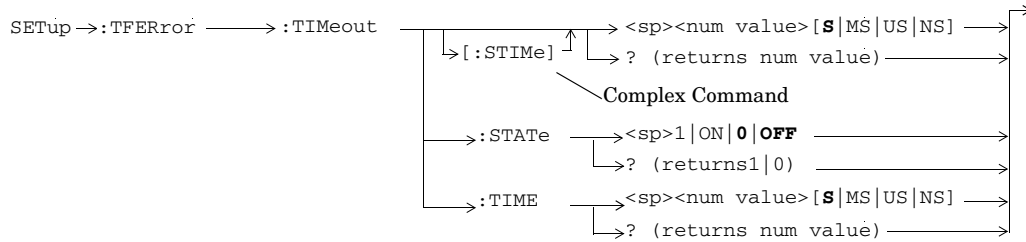
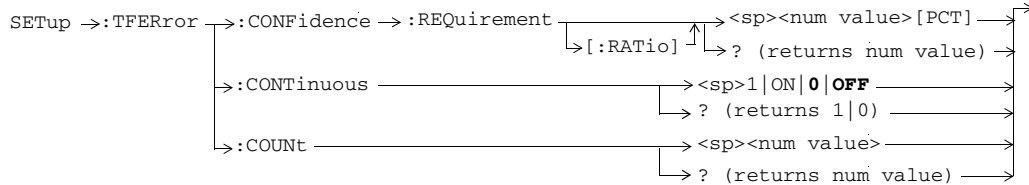
GPIB Syntax for E1962B, E6702B/T



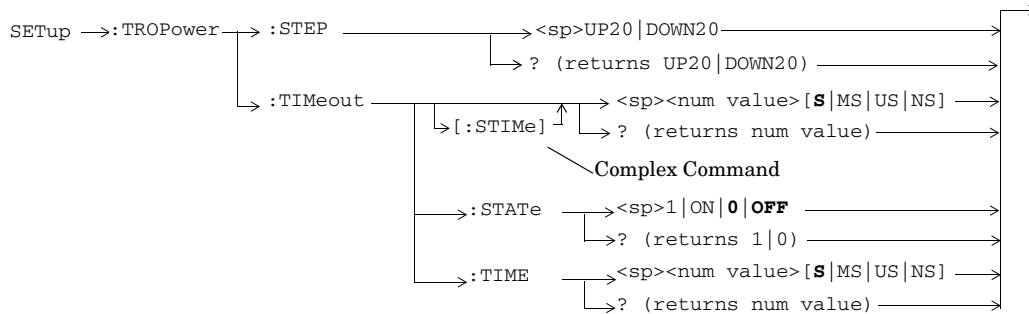
SETup:STONE



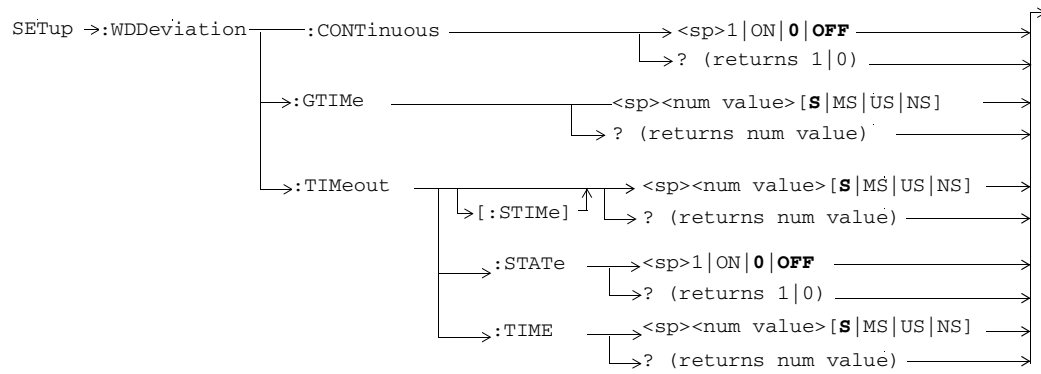
SETup:TFERror



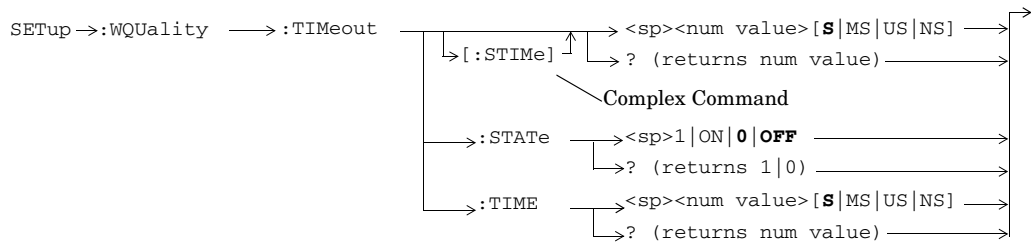
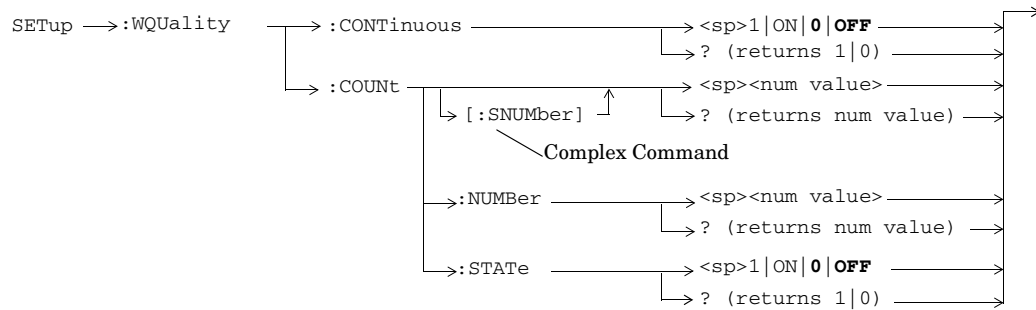
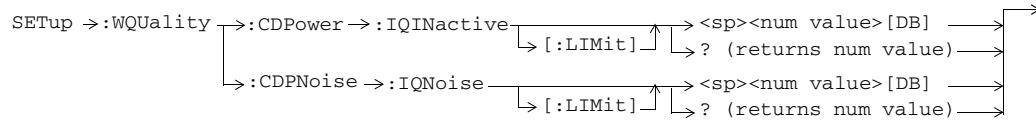
SETup:TROPower



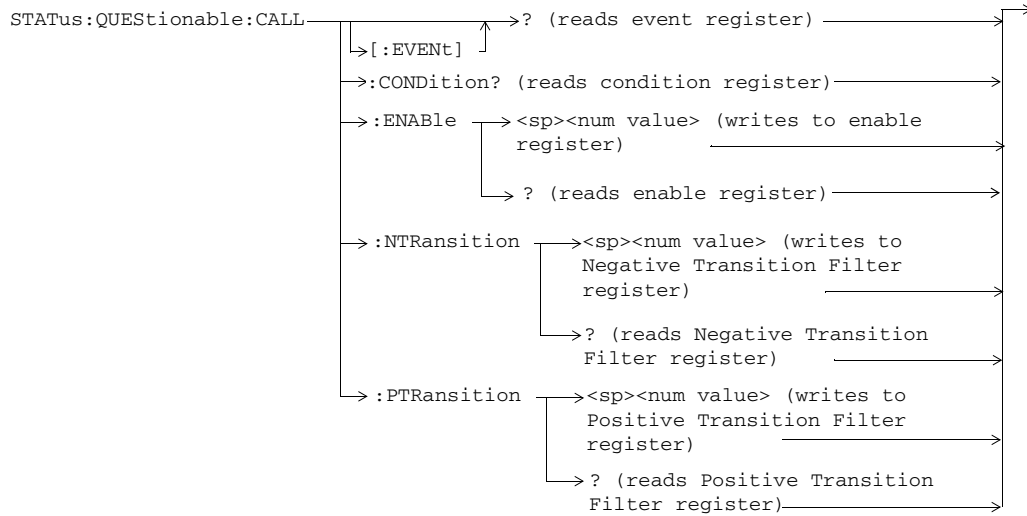
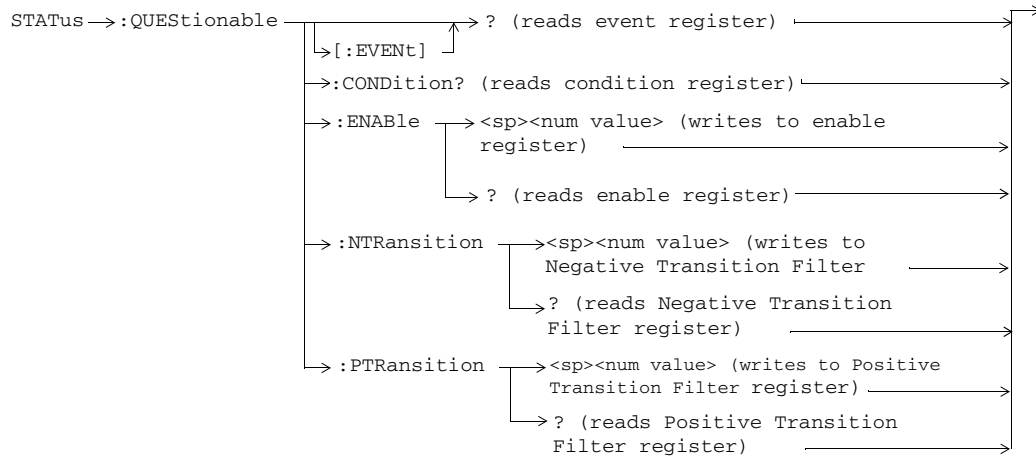
SETup:WDDeviation



SETup:WQQuality

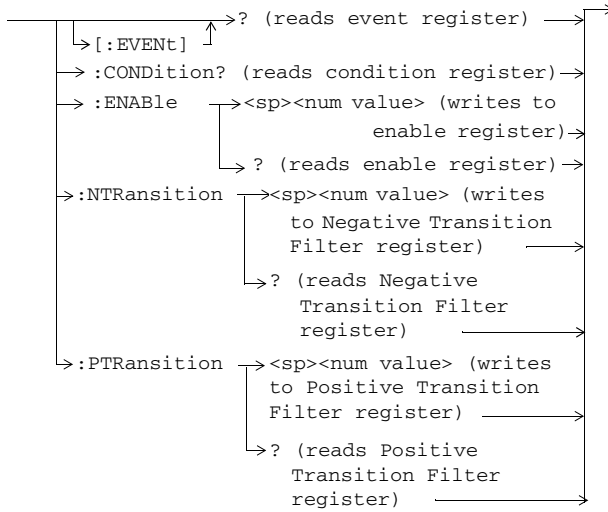


STATus:QUEStionable

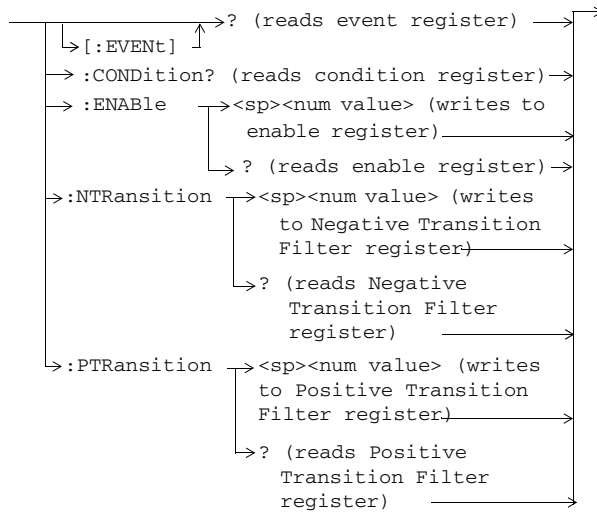


GPIB Syntax for E1962B, E6702B/T

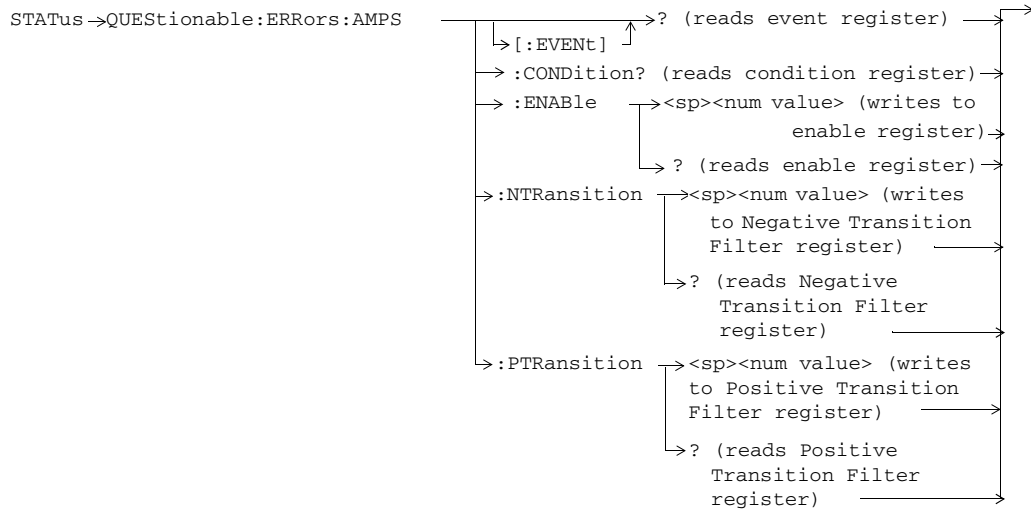
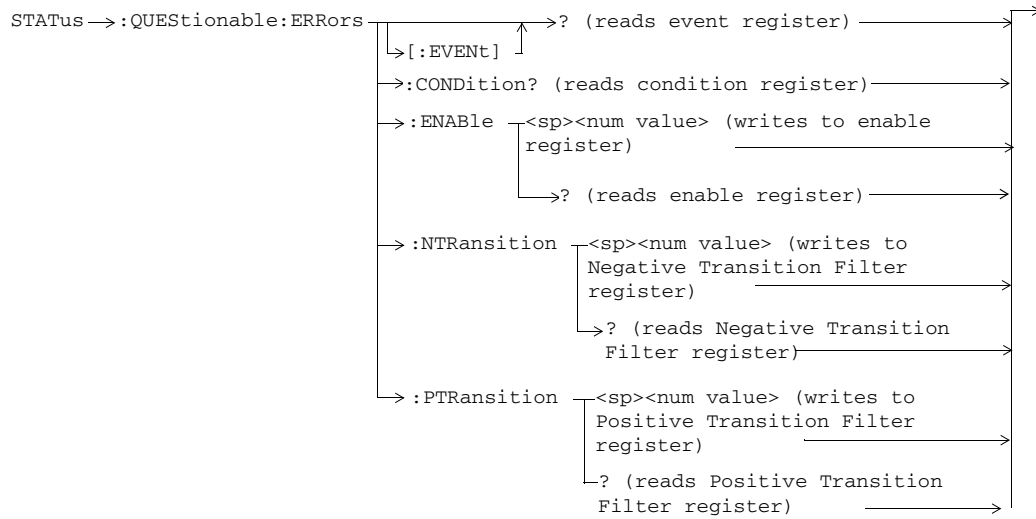
STATUS → QUESTIONABLE:CALL:CDMA



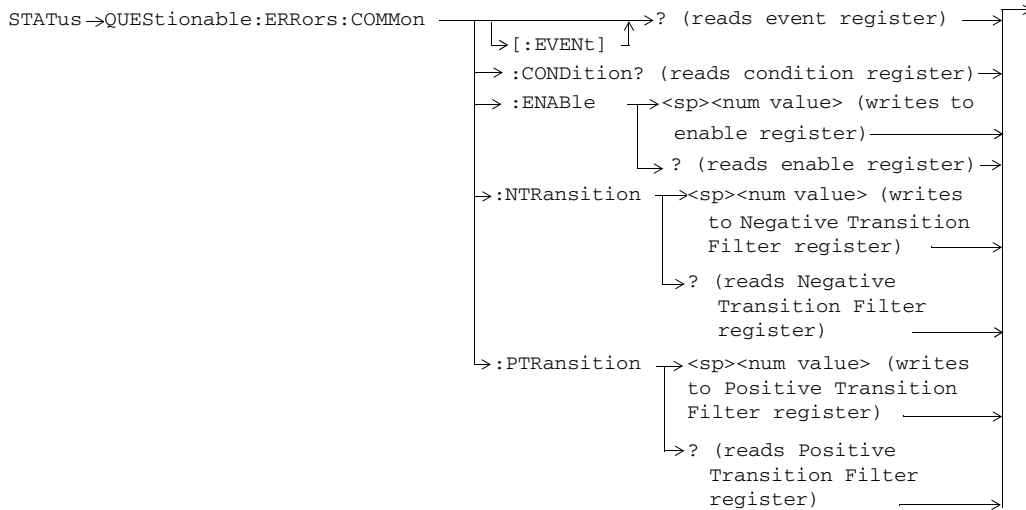
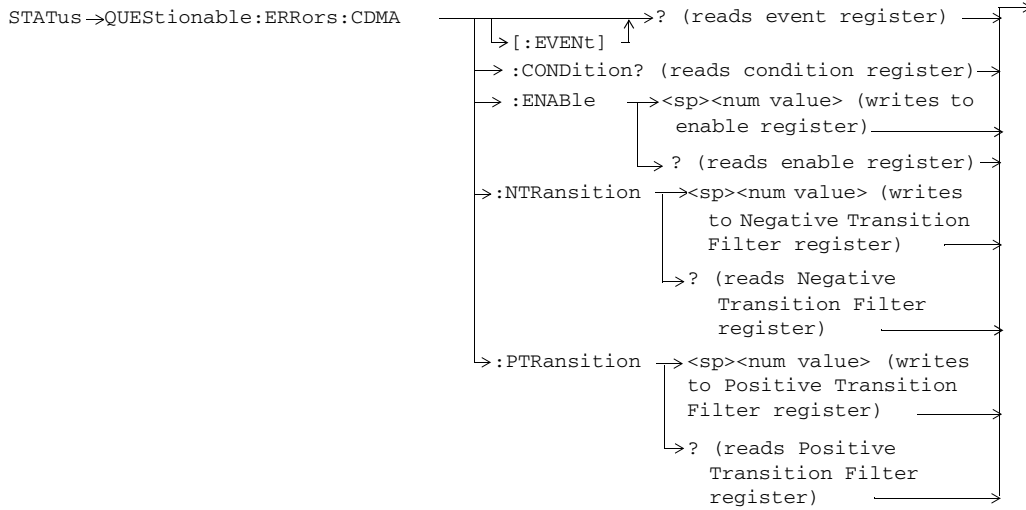
STATUS → QUESTIONABLE:CALL:TA2000



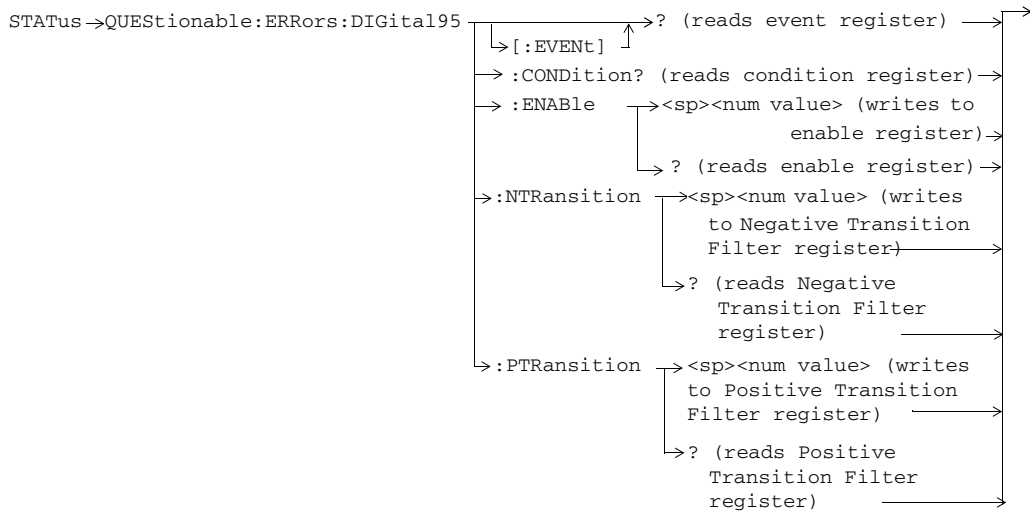
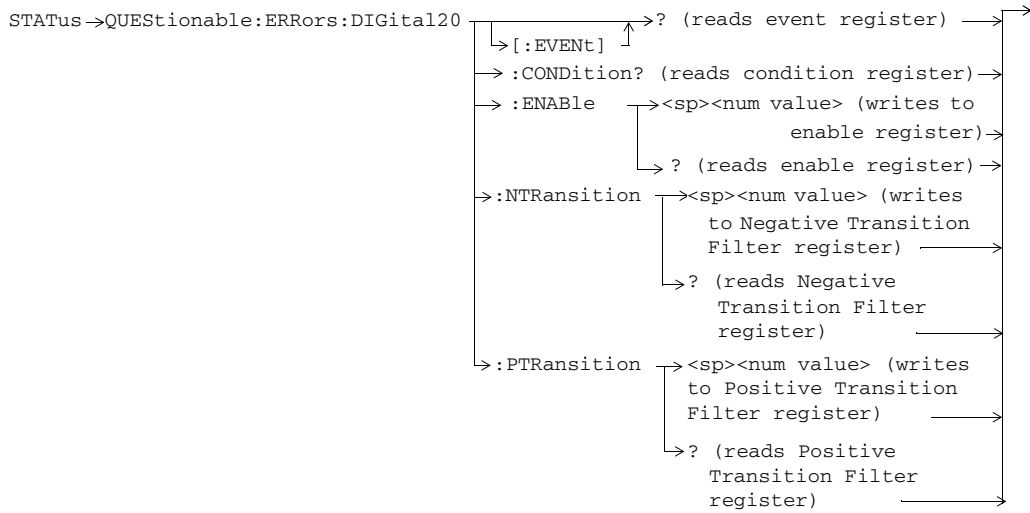
GPIB Syntax for E1962B, E6702B/T



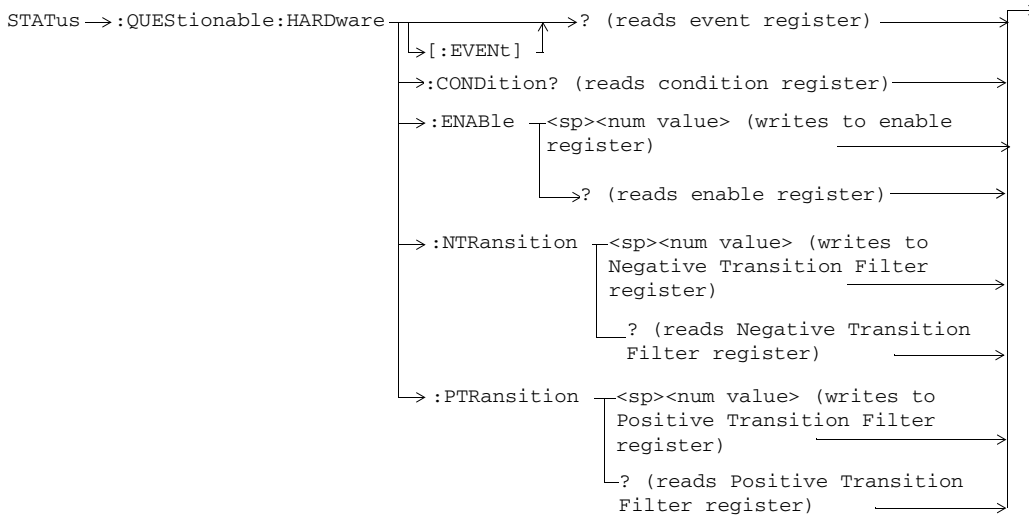
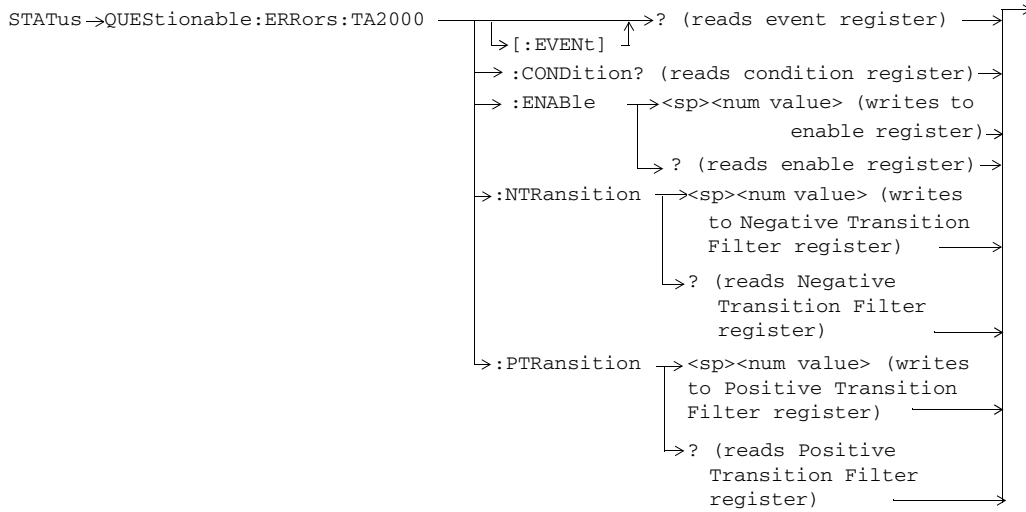
GPIO Syntax for E1962B, E6702B/T



GPIB Syntax for E1962B, E6702B/T



GPIB Syntax for E1962B, E6702B/T



Status Byte Register

***STB?**

*STB? _____ →

Standard Event Status Register

***ESR?**

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

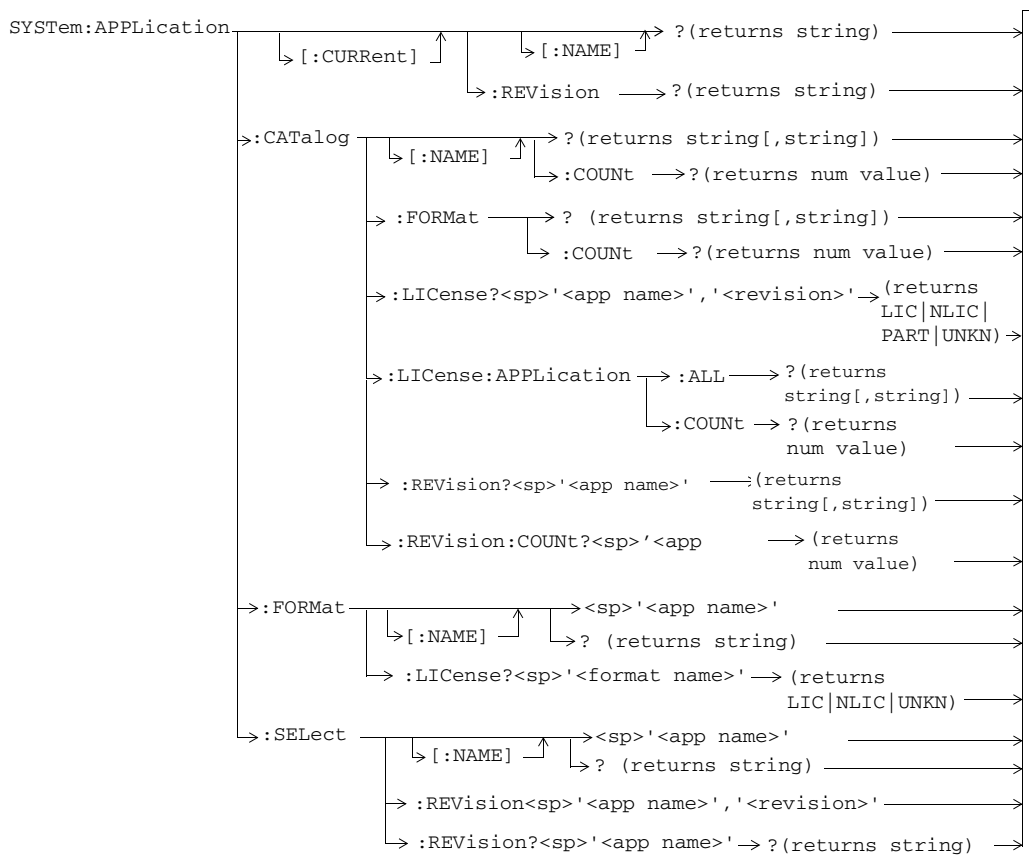
***ESE?**

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

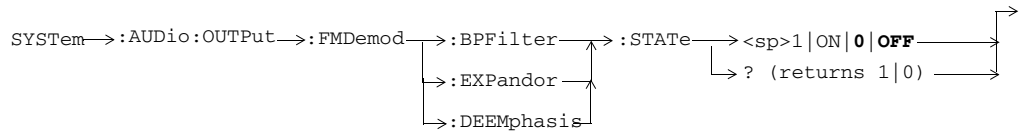
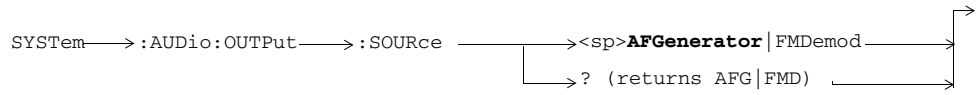
***ESE**

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

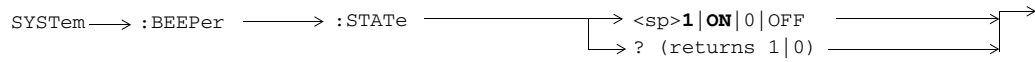
SYSTem:APPLication



SYSTem:AUDio

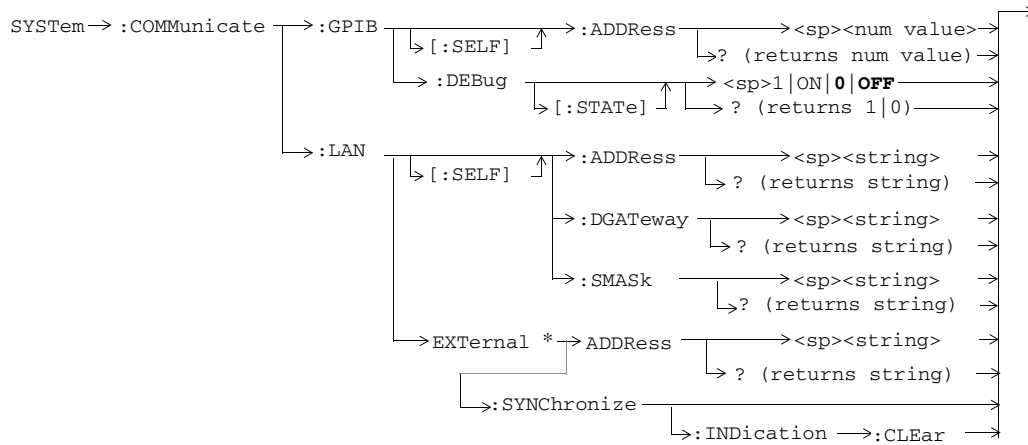


SYSTem:BEEPer



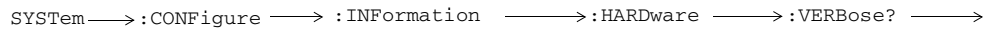
GPIB Syntax for E1962B, E6702B/T

SYSTem:COMMunicate

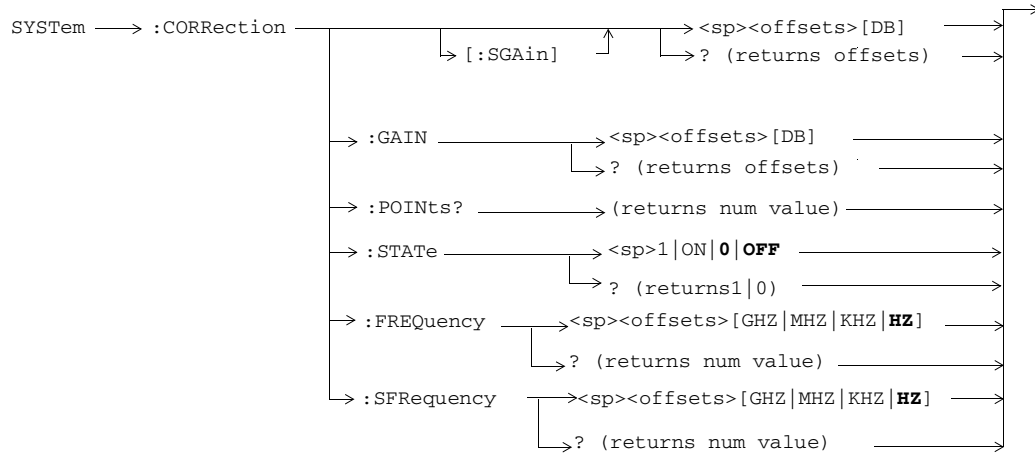


* This command is only applicable to the lab application.

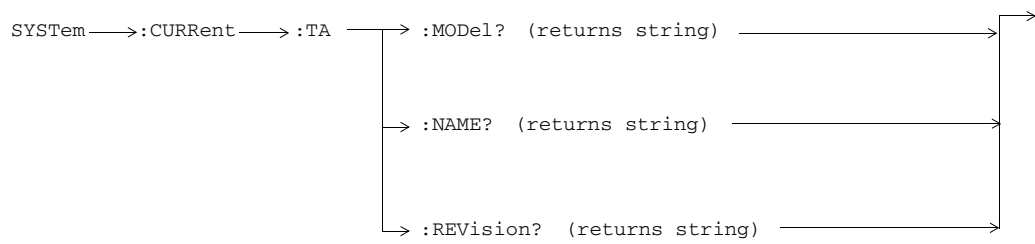
SYSTem:CONFIgure



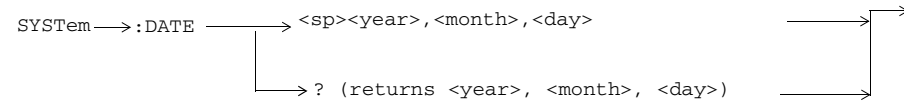
SYSTEM:CORRection



SYSTEM:CURRent:TA



SYSTEM:DATE



GPIB Syntax for E1962B, E6702B/T

SYSTem:ERRor?

SYSTem → :ERRor? → (returns num value, string) →

SYSTem:FATal

SYSTem → :FATal → :ERRor → :REStart → [:STATe] → <sp>ON|1|OFF|0 → ? (returns 1|0)

SYSTem:INSTRument

SYSTem → :INSTRument → :THERmal:POWer:NULL:ADJust → ? (returns 0 for success, 1 for fail) →

SYSTem:MEASurement

SYSTem → :MEASurement → :RESet →

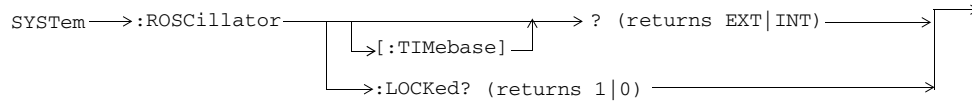
SYSTem:PRESet

SYSTem → :PRESet[1] →
→ :PRESet2 → (full preset trigger arm continuous) →
→ :PRESet3 → (partial preset trigger arm no change) →

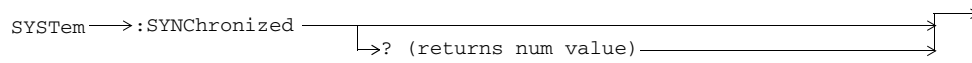
SYSTem:REGister

SYSTem → REGister → :SAVe → :RECall → :DElete → <sp>1|2|3|4|5 →

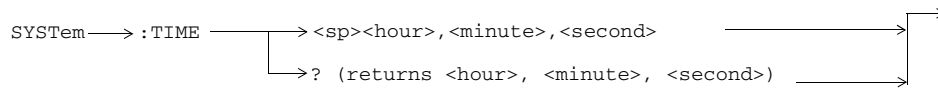
SYSTem:ROSCillator



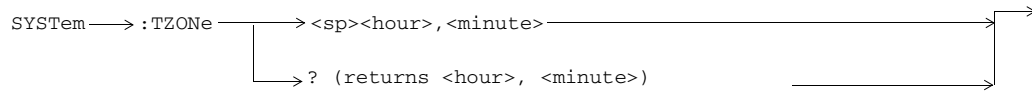
SYSTem:SYNChronized



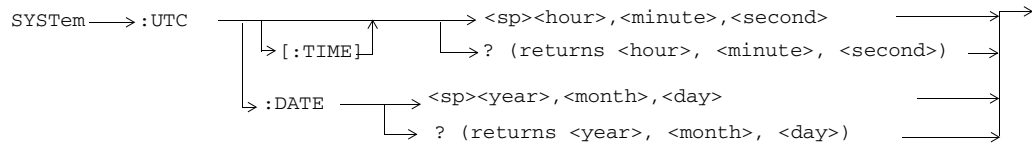
SYSTem:TIME



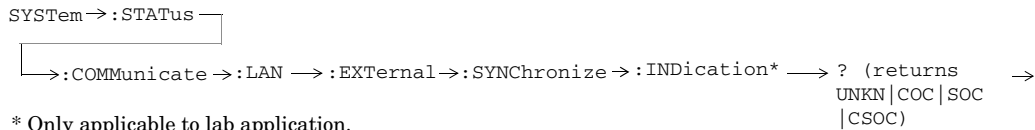
SYSTem:TZONE



SYSTem:UTC



SYSTem:STATus



* Only applicable to lab application.

IEEE 488.2 Common Commands

Description

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

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

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

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

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

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

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

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

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

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

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

GPIB Syntax for E1962B, E6702B/T

***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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