

Key and Data Field Menu Maps

Agilent Technologies ESG Vector Signal Generator

This guide applies to the signal generator models listed below. Due to our continuing efforts to improve our products through firmware and hardware revisions, signal generator design and operation may vary from descriptions in this guide. We recommend that you use the latest revision of this guide to ensure you have up-to-date product information. Compare the print date of this guide (see bottom of this page) with the latest revision, which can be downloaded from the website shown below.

E4438C Vector Signal Generator

www.agilent.com/find/signalgenerators



Agilent Technologies

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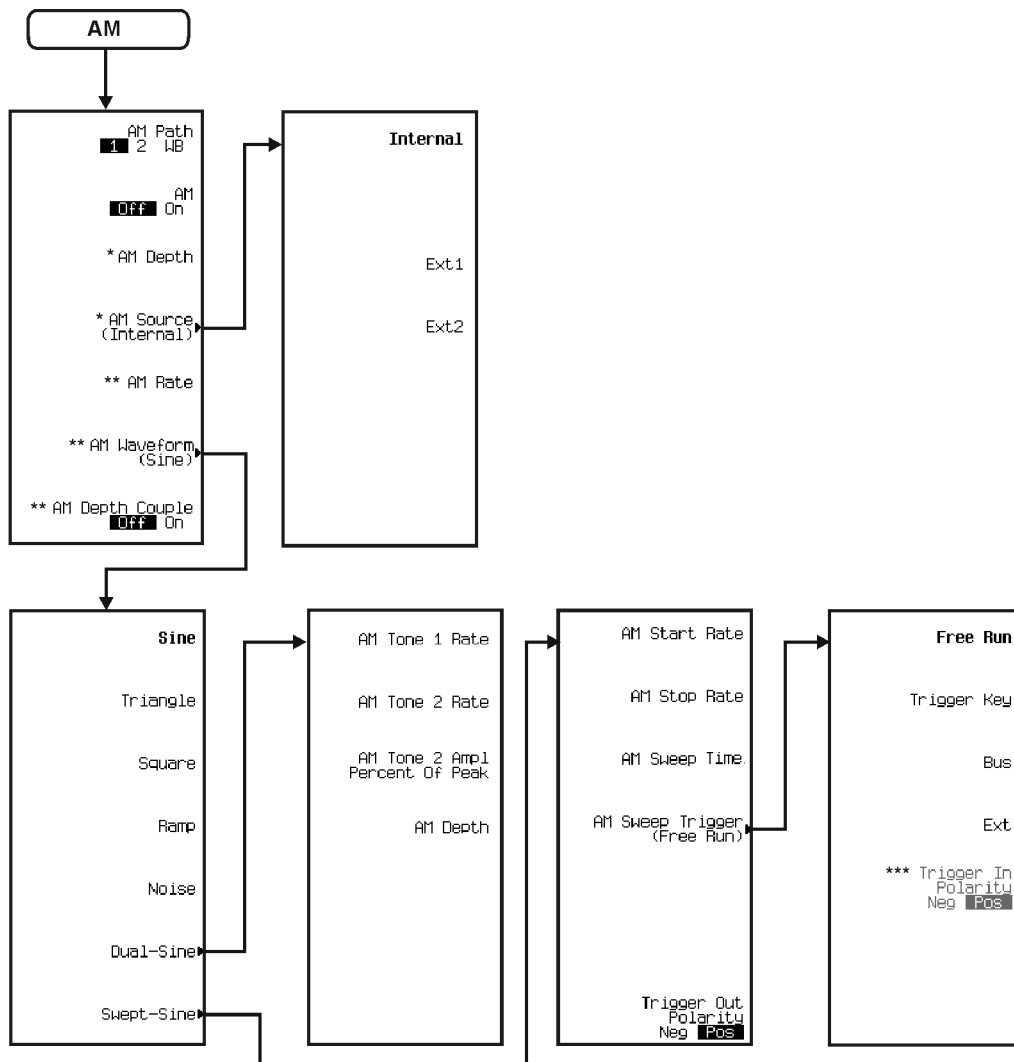
We welcome any questions or comments you may have about our documentation. Please send us an E-mail at sources_manuals@am.exch.agilent.com.

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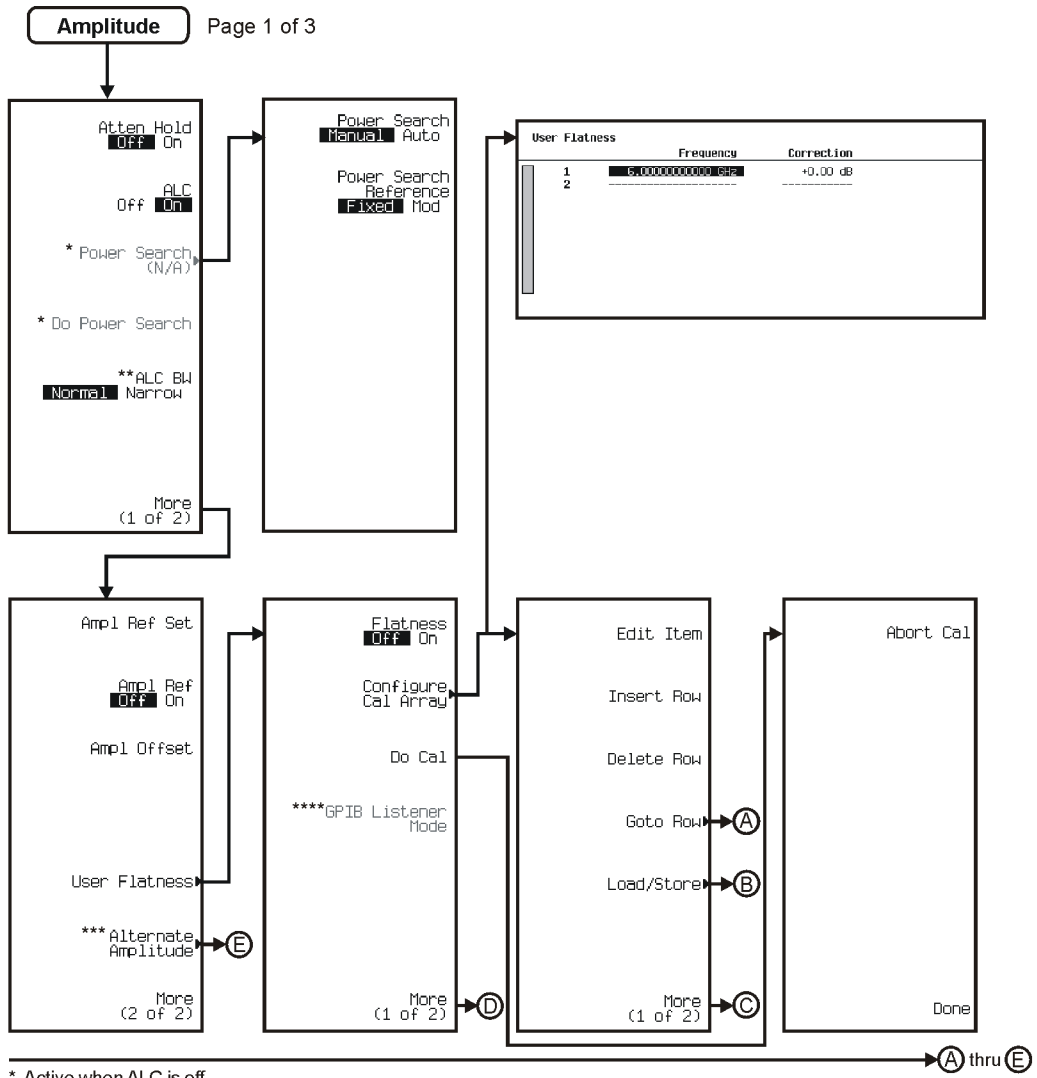
Key and Data Field Menu Maps

AM



* Inactive when AM Path 1 2 WB is selected.
 ** Non-existent when AM Path 1 2 WB is selected.
 *** Active when EXT is selected.

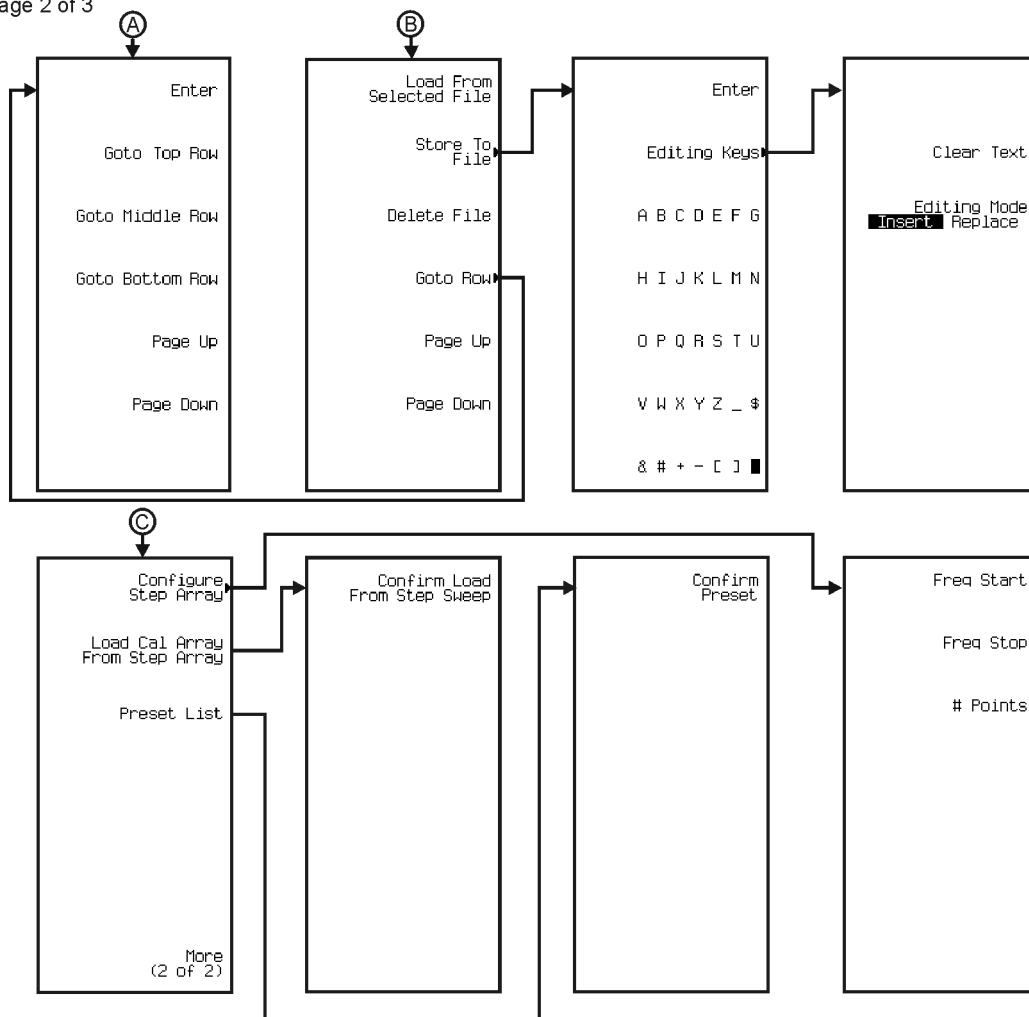
Amplitude



* Active when ALC is off.
 ** Inactive when ALC is off.
 *** This key is deleted when
 Option 506 is installed.
 **** Activate by pressing Do Cal > Abort.

Key and Data Field Menu Maps
Amplitude

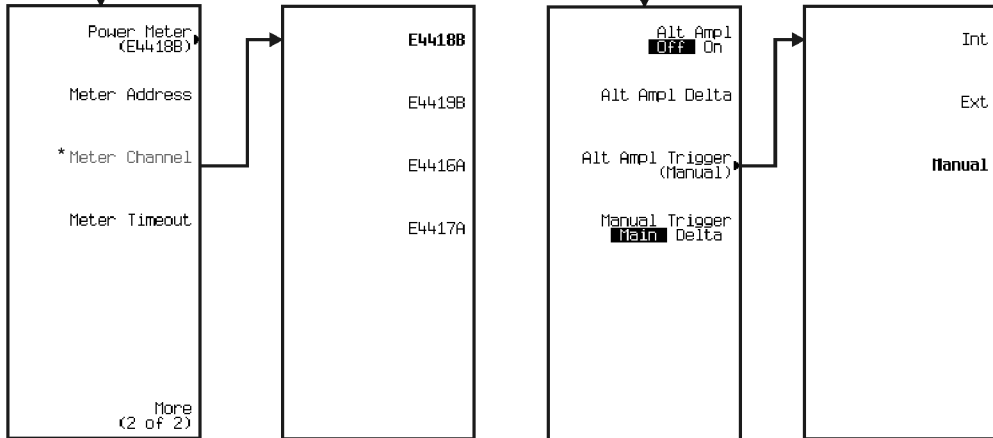
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➔ **D** and **E**
 See Next Page

pk712c

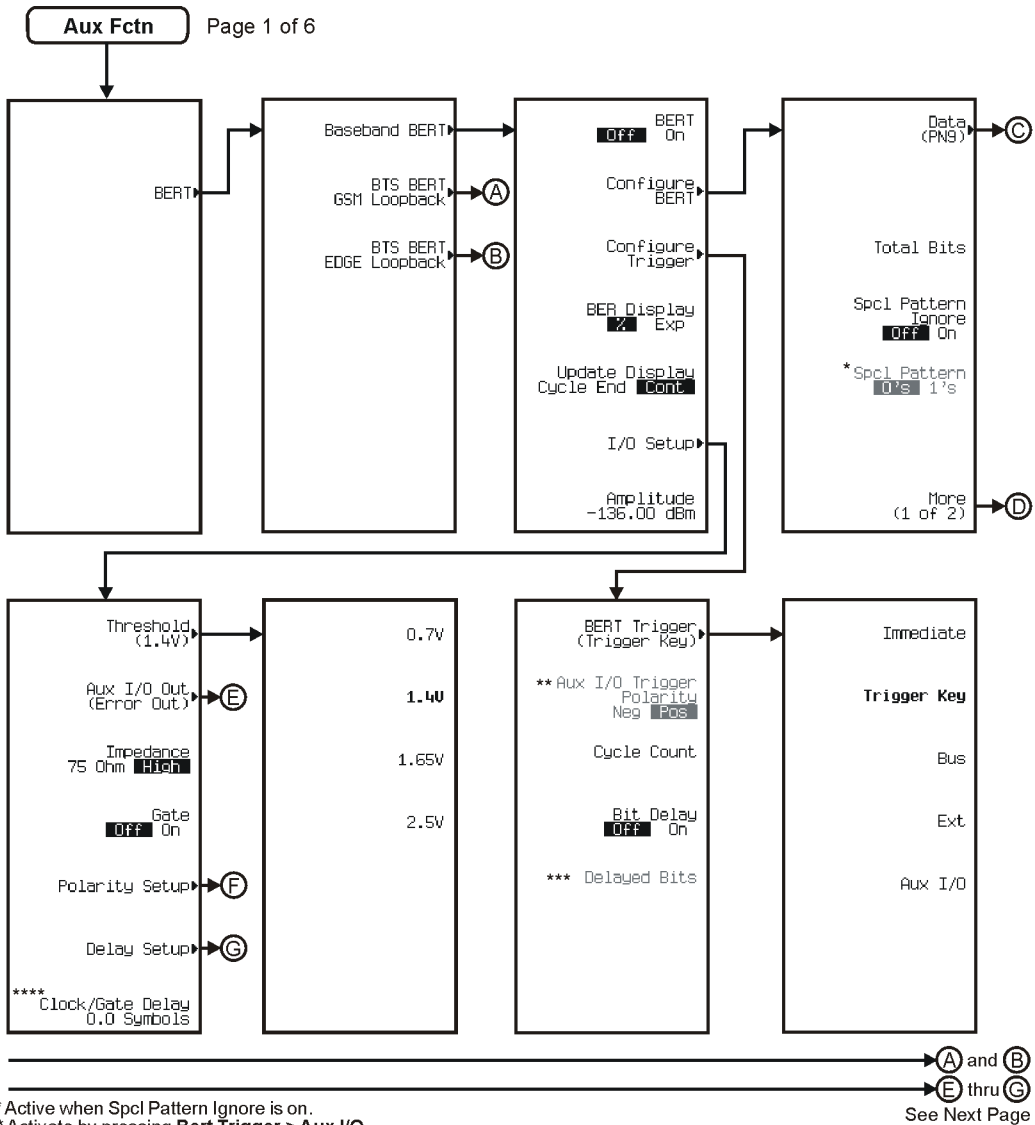
Page 3 of 3 (D)



* Activate by pressing Power Meter > E4419B or E4417A.

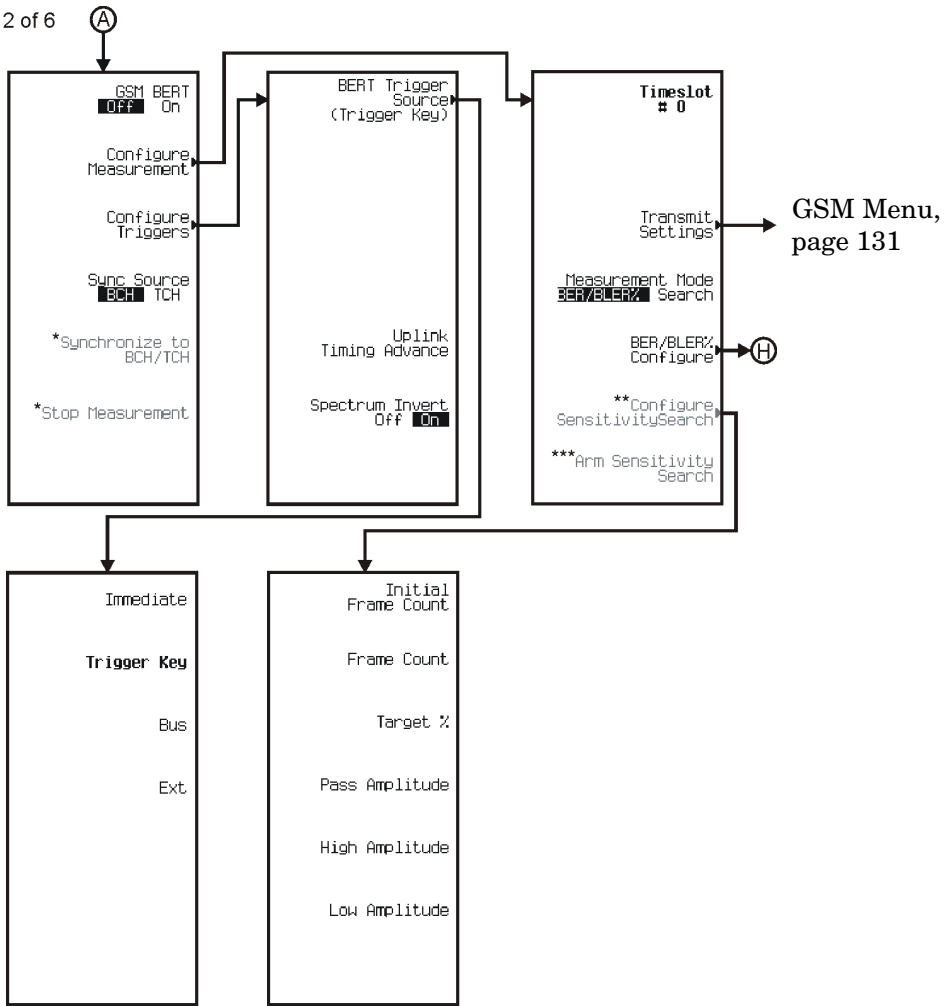
pk713c

Auxiliary Function



* Active when Spcl Pattern Ignore is on.
 ** Activate by pressing **Bert Trigger > Aux I/O**.
 *** Active when Bit Delay is on.
 ****Active when Bluetooth modulation is on and payload data set to continuous PN 9.

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GSM Menu, page 131

H

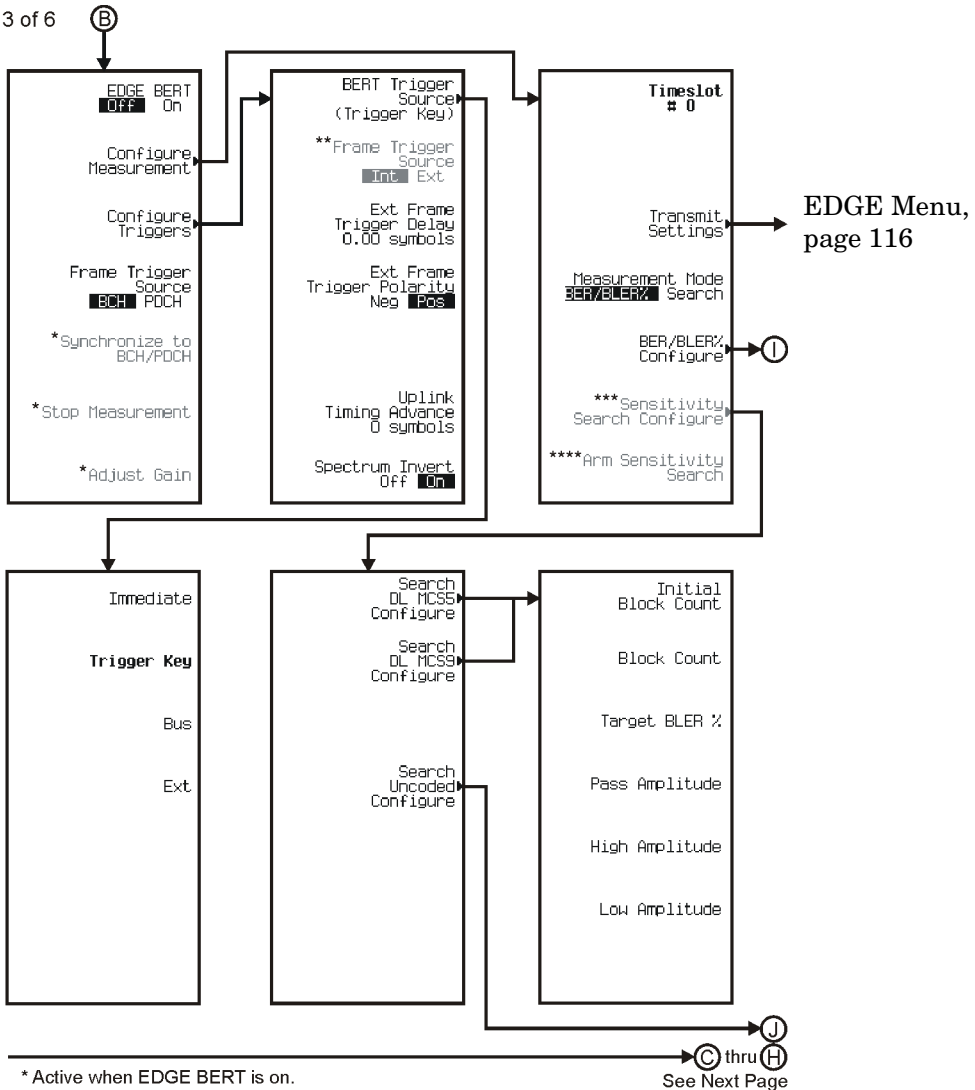
B thru C
 See Next Page

- * Active when GSM BERT is on.
- ** Active when Measurement Mode BER% Search is set to Search.
- *** Active when GSM BERT is on and Measurement Mode BER% Search is set to Search.

pk7184c

Key and Data Field Menu Maps
 Auxiliary Function

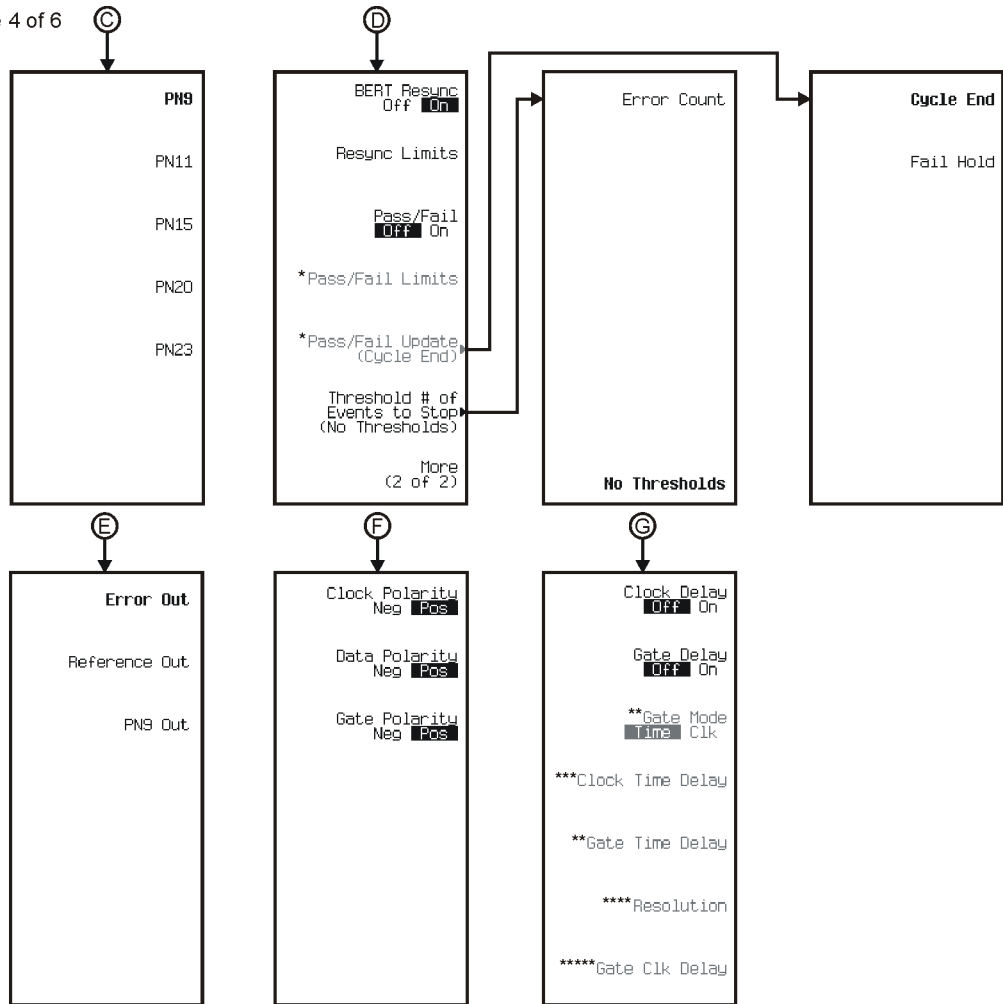
Page 3 of 6



- * Active when EDGE BERT is on.
- ** Active when Sync Source BCH PDCH is set to PDCH.
- *** Active when Measurement Mode BLER% Search is set to Search.
- **** Active when EDGE BERT is on and Measurement BLER% Search is set to Search.

pk7185c

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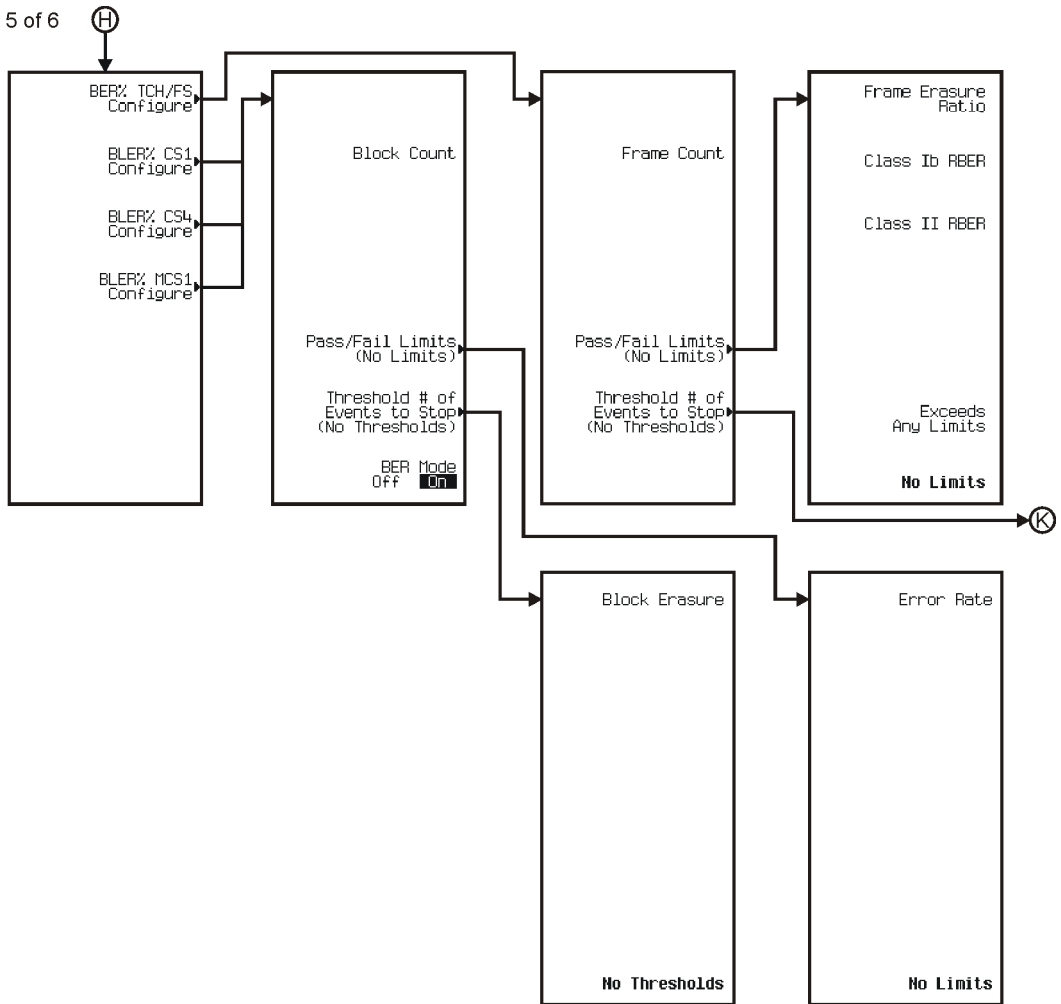
* Active when Pass/Fail is on.
 ** Active when Gate Delay is on.
 *** Active when Clock Delay is on.
 **** Active when Gate Delay or Clock Delay is on.
 ***** Active when Gate Mode Time Clk is set to Clk.

(H) thru (J)
 See Next Page

pk7186c

Key and Data Field Menu Maps
Auxiliary Function

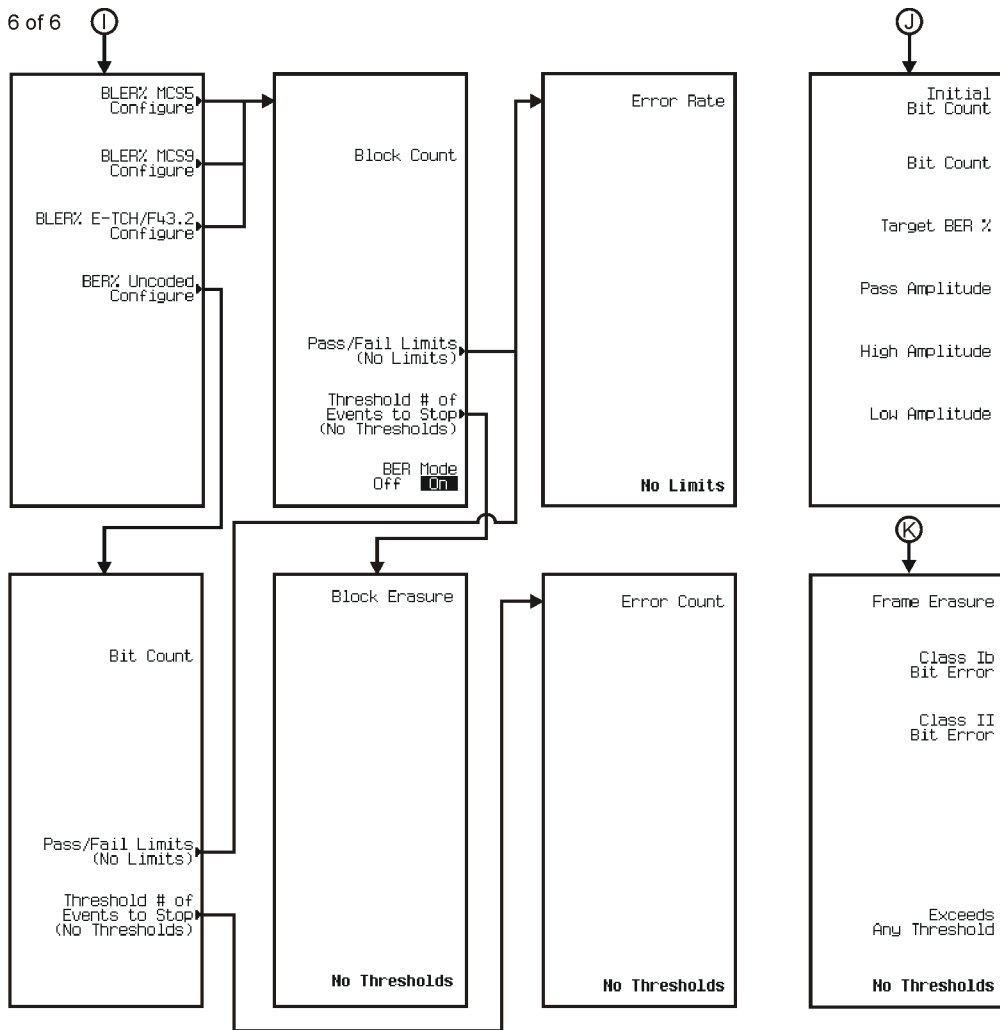
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→ **I** and **J**
 See Next Page

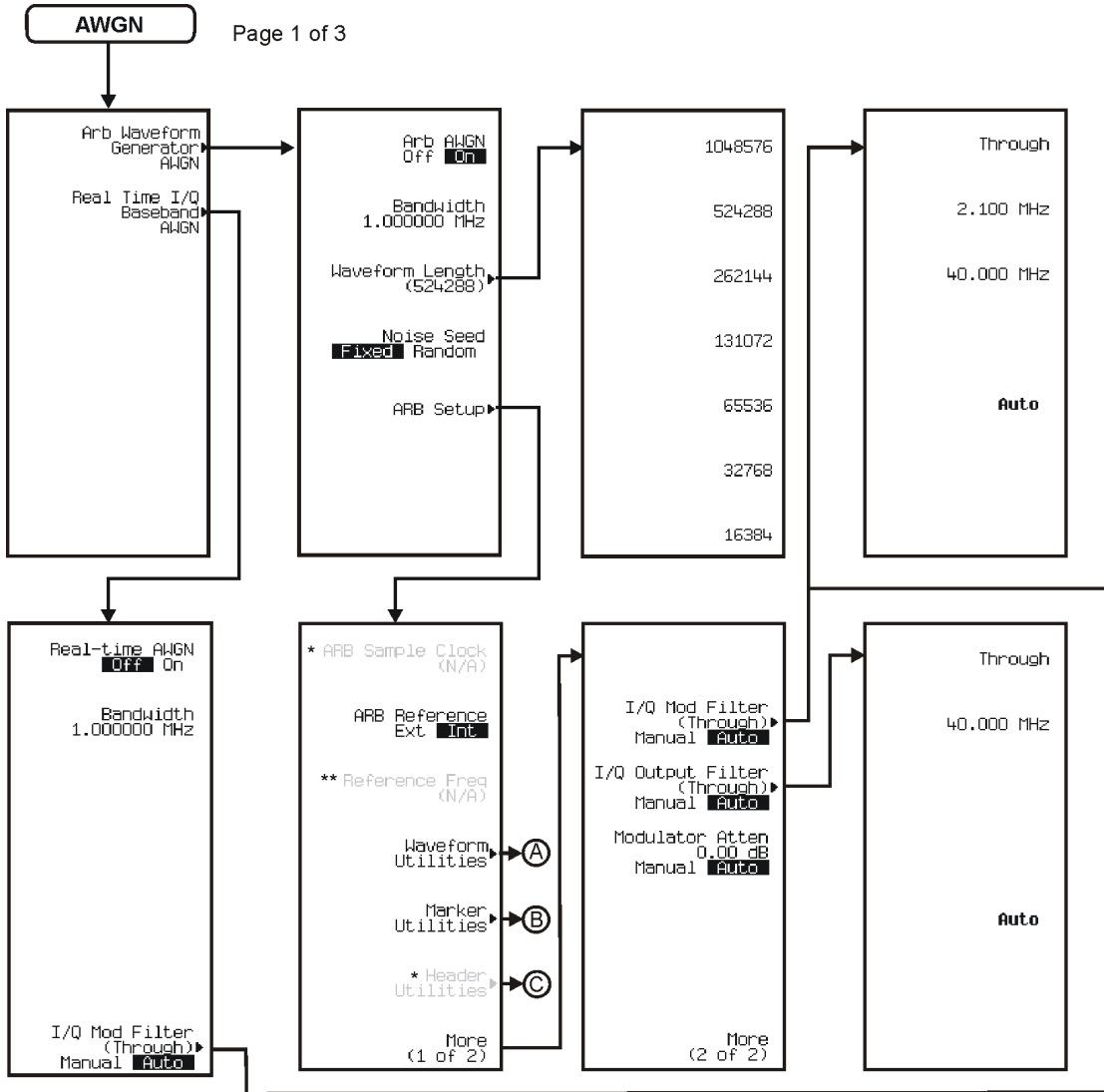
pk7187c

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pk7188c

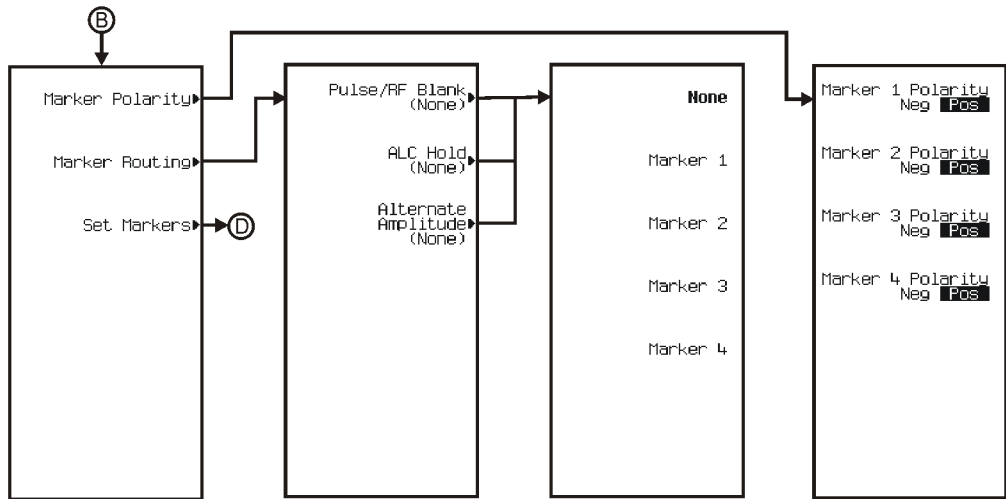
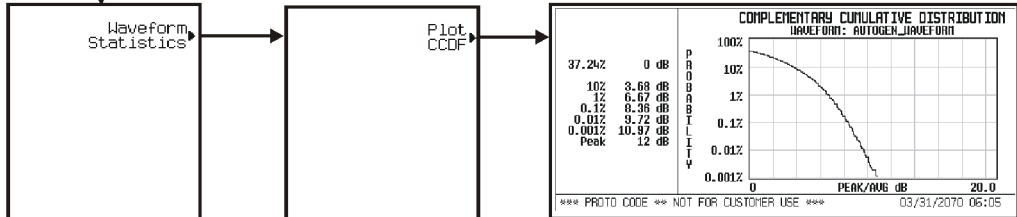
AWGN



➔ (A) thru (D)
 See next page

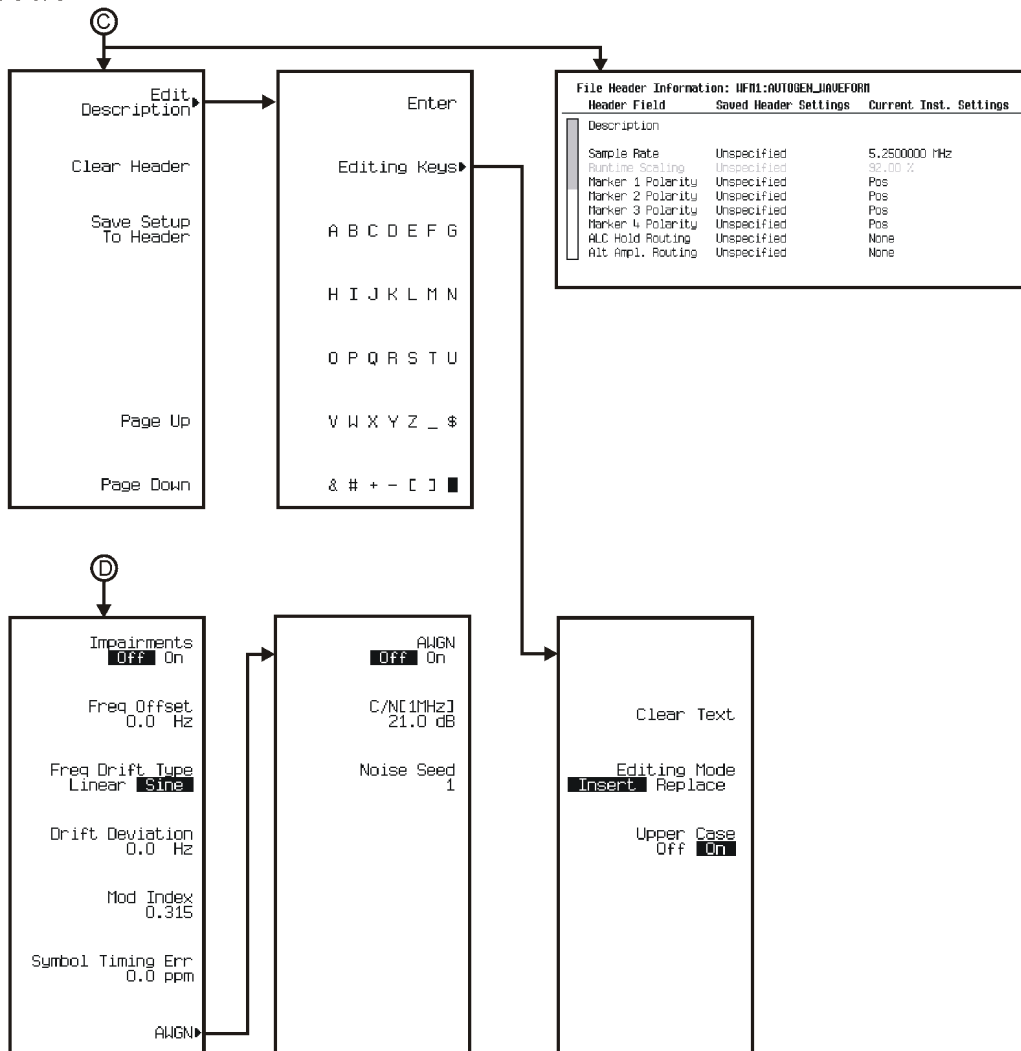
* Active when **Arb AWGN Off On** is set to **On**.
 ** Active when **ARB Reference Ext Int** is set to **Ext**.

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(C) And (D)
 See Next Page

Pk804c



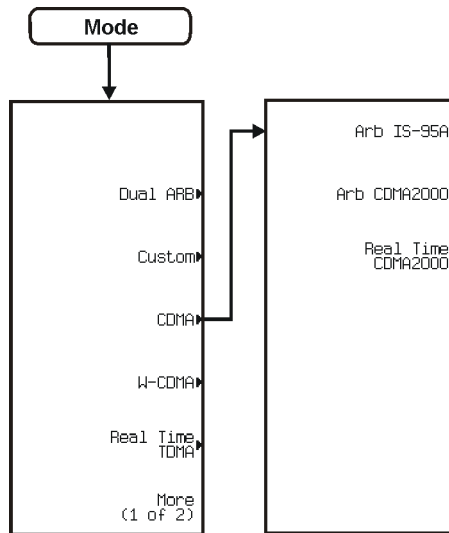
Pk805c

CDMA

The CDMA personality is accessed by pressing the **Mode** hardkey.

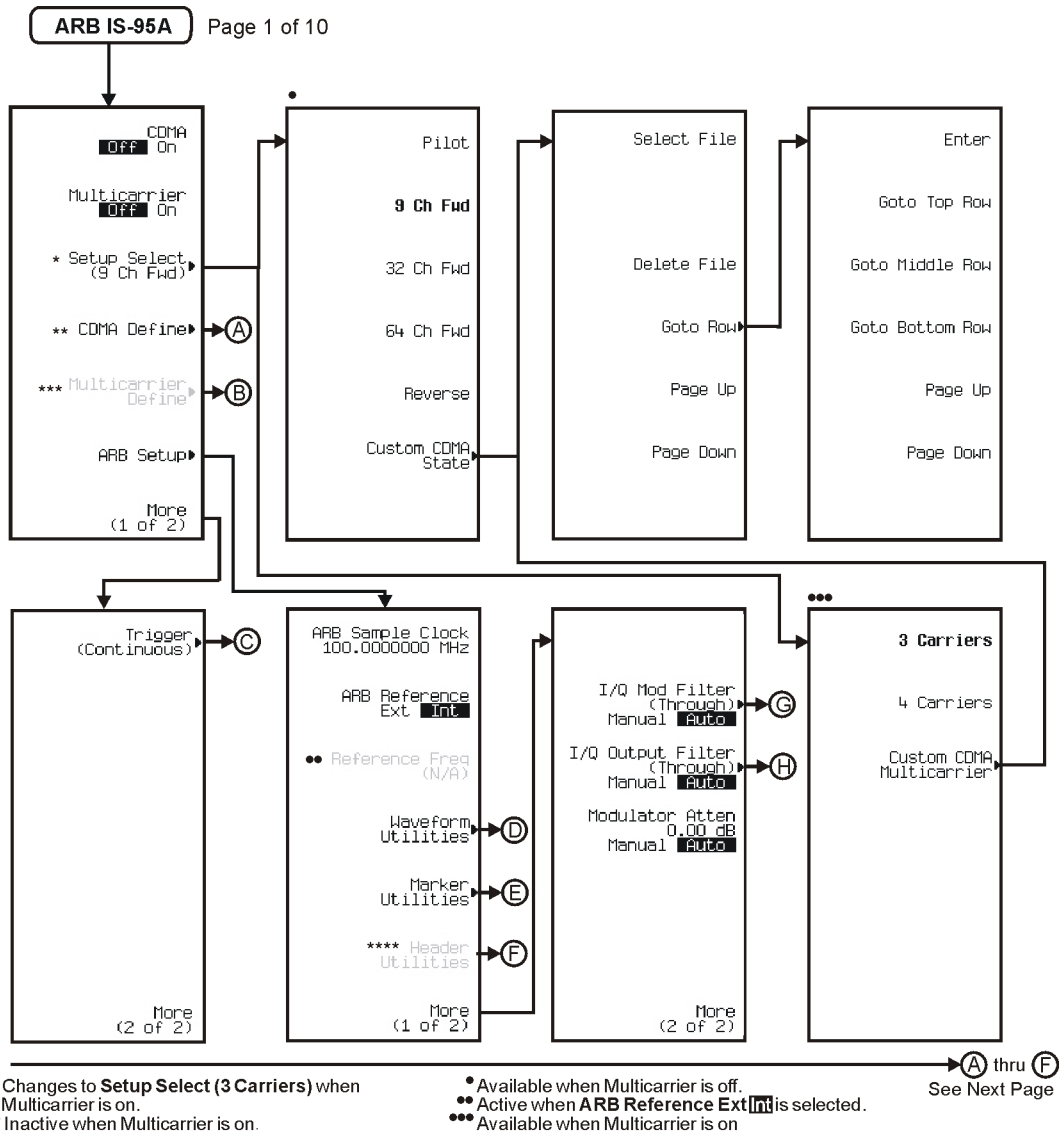
The CDMA menu maps are split into five sections:

- for Arb IS-95A go to page 16
- for Arb CDMA2000 Forward Link go to page 26
- for Arb CDMA2000 Reverse Link go to page 39
- for Real Time CDMA2000 Forward Link go to page 51
- for Real Time CDMA2000 Reverse Link go to page 57

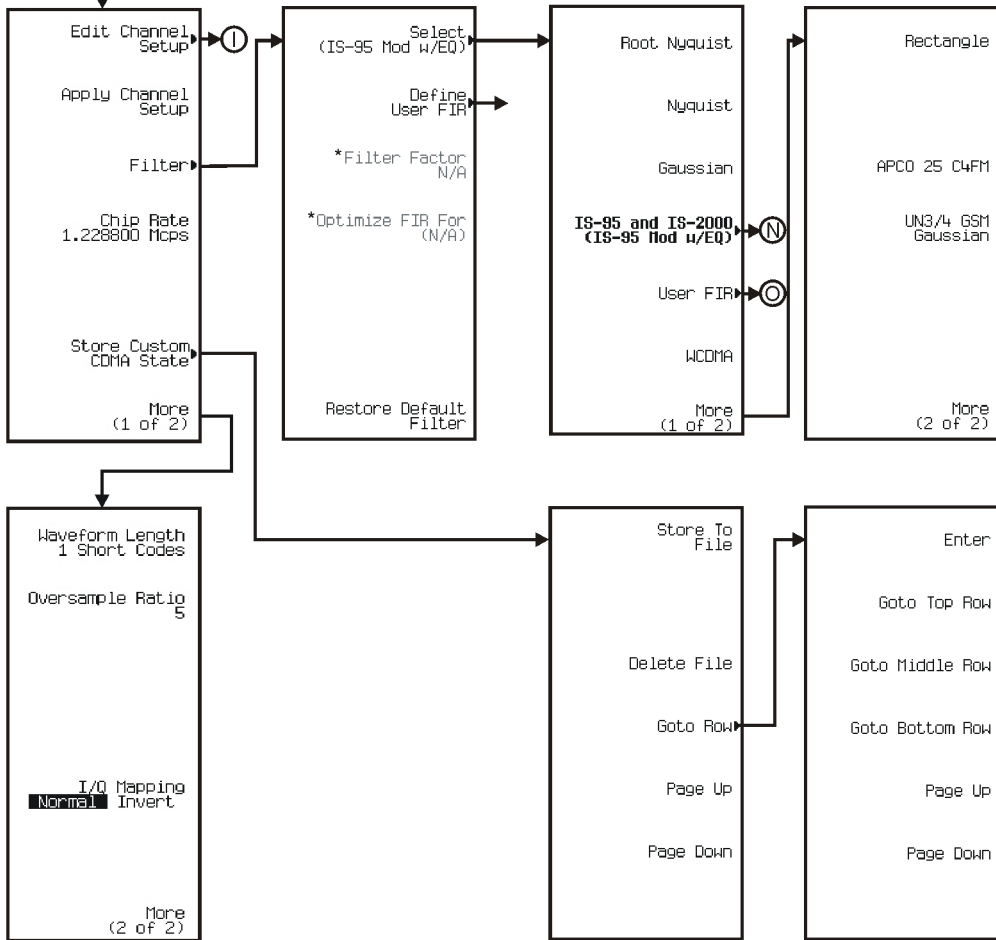


pk7192c

Key and Data Field Menu Maps
CDMA



Page 2 of 10 (A)



* Changes according to filter selected.
 ** Inactive when Clipping Type [I+jQ] [I], [Q] is selected.
 *** Active when Clipping Type [I+jQ] [I], [Q] is selected.

(C) thru (L)
 (B)
 See Next Page

pk752c

Key and Data Field Menu Maps
CDMA

Page 3 of 10 **ⓑ**

Edit Item
 Insert Row
 Delete Row
 Goto Row
 Store Custom Multicarrier
 Apply Multicarrier

Multicarrier CDMA Setup			
	Carrier	Freq Offset	Power
1	9 Ch Fwd	-1,250000 MHz	0,00 dB
2	9 Ch Fwd	0,000 MHz	0,00 dB
3	9 Ch Fwd	1,250000 MHz	0,00 dB
4	-----	-----	-----

Store To File
 Delete File
 Goto Row
 Page Up
 Page Down

Enter
 Goto Top Row
 Goto Middle Row
 Goto Bottom Row
 Page Up
 Page Down

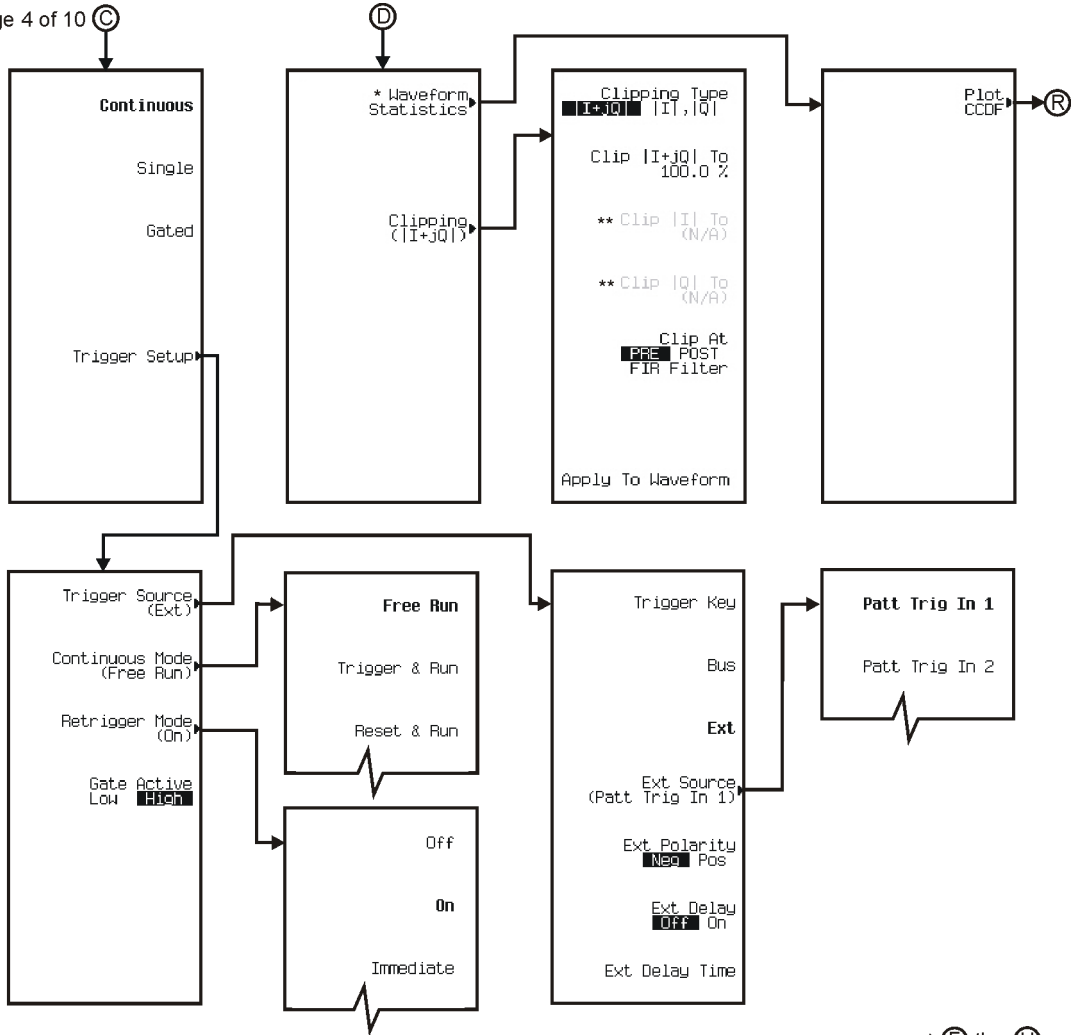
Pilot
 9 Ch Fwd
 32 Ch Fwd
 64 Ch Fwd
 Reverse
 Custom CDMA Carrier

Select File
 Delete File
 Goto Row
 Page Up
 Page Down

ⓒ And **ⓓ**
 See Next Page

pk753c

Page 4 of 10 **C**



F thru **H**

E

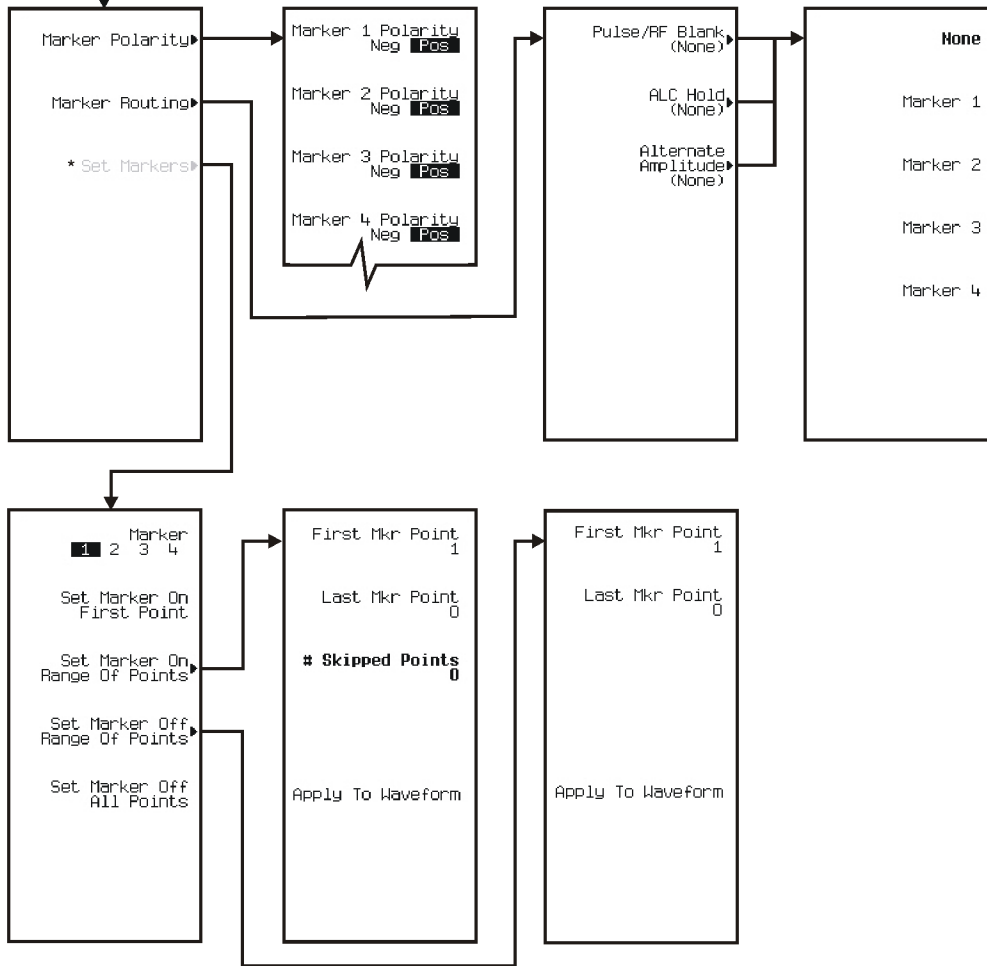
See Next Page

* Active when CDMA is on.
** Active when **Clipping Type** |I+jQ| |I|,|Q| is set to |I|,|Q|.

pk754c

Key and Data Field Menu Maps
CDMA

Page 5 of 10 **E**



* Active when CDMA modulation is on.

F thru **H**
 See Next Page

pk755c

Page 6 of 10 (F)

Edit Comment
 Clear Header
 Save Setup To Header
 Page Up
 Page Down

File Header Information: HFDL:AUTOGEN_WAVEFORM

Header Field	Saved Header Settings	Current Inst. Settings
Description		
Sample Rate	Unspecified	5.2500000 MHz
Runtime Scalling	Unspecified	82.00 %
Marker 1 Polarity	Unspecified	Pos
Marker 2 Polarity	Unspecified	Pos
Marker 3 Polarity	Unspecified	Pos
Marker 4 Polarity	Unspecified	Pos
ALC Hold Routing	Unspecified	None
Alt Amp1. Routing	Unspecified	None

Enter
 Editing Keys
 A B C D E F G
 H I J K L M N
 O P Q R S T U
 V W X Y Z _ \$
 & # + - [] █

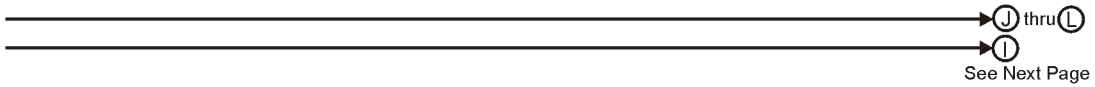
(G)

Through
 2.100 MHz
 40.000 MHz
 Auto

(H)

Through
 40.000 MHz
 Auto

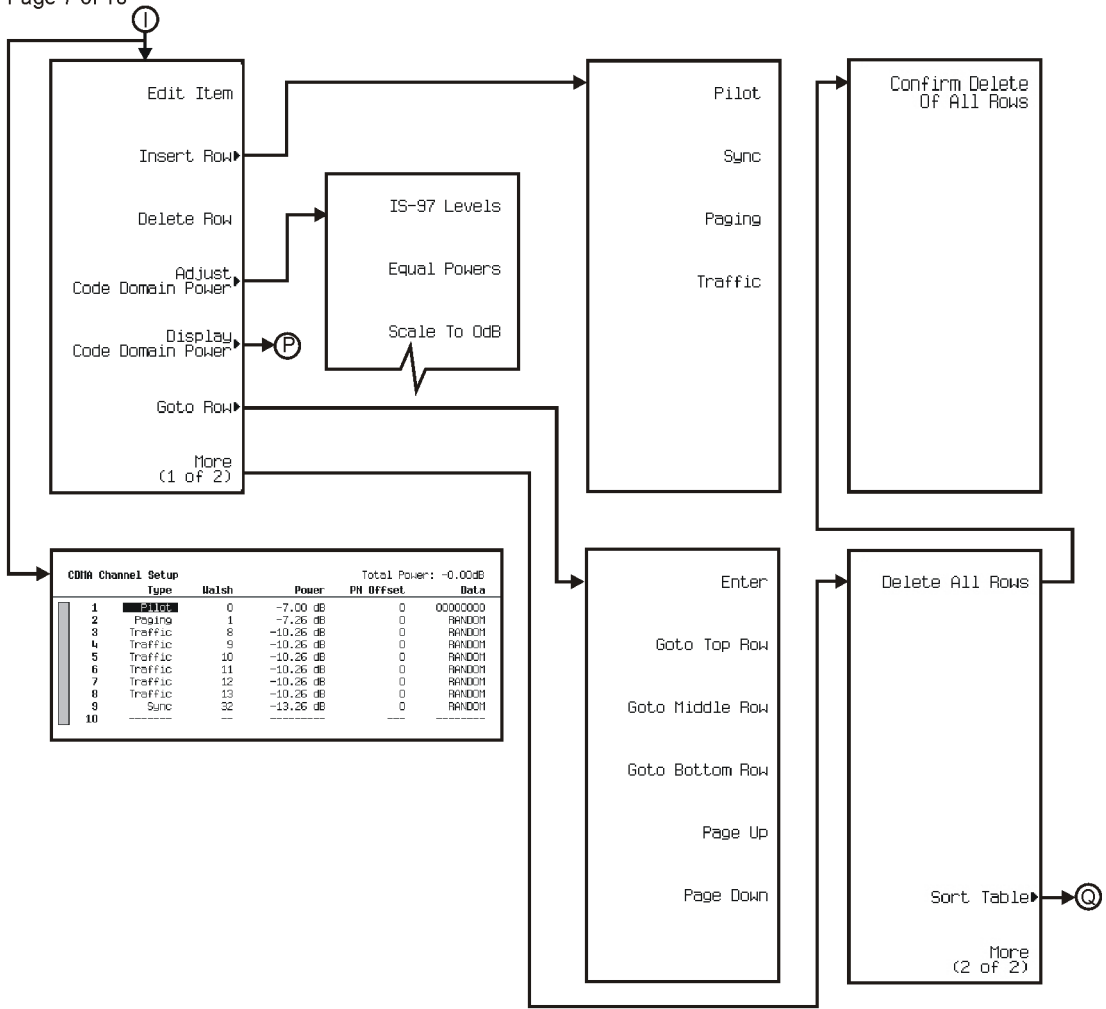
Clear Text
 Editing Mode
 Insert Replace
 Upper Case
 Off On



pk756c

Key and Data Field Menu Maps
CDMA

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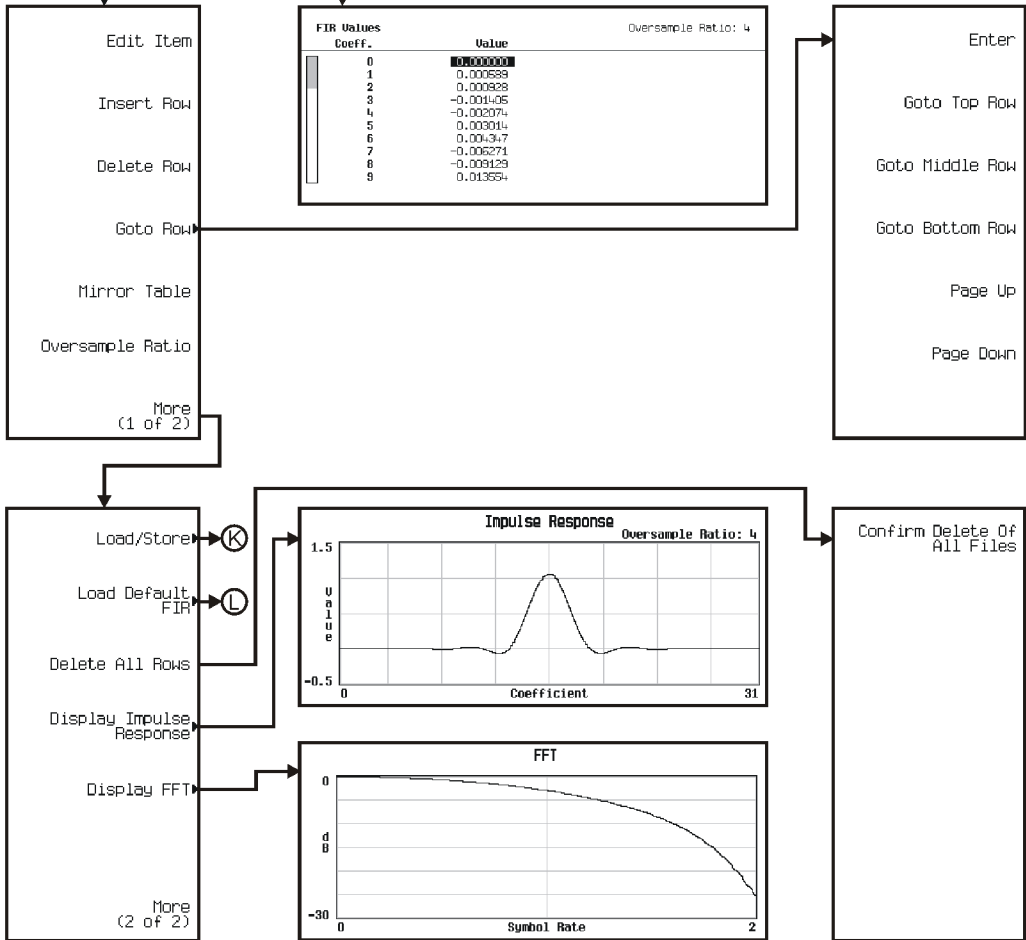


→ **K** and **L**

→ **J**
 See Next Page

Pk757c

Page 8 of 10 **J**

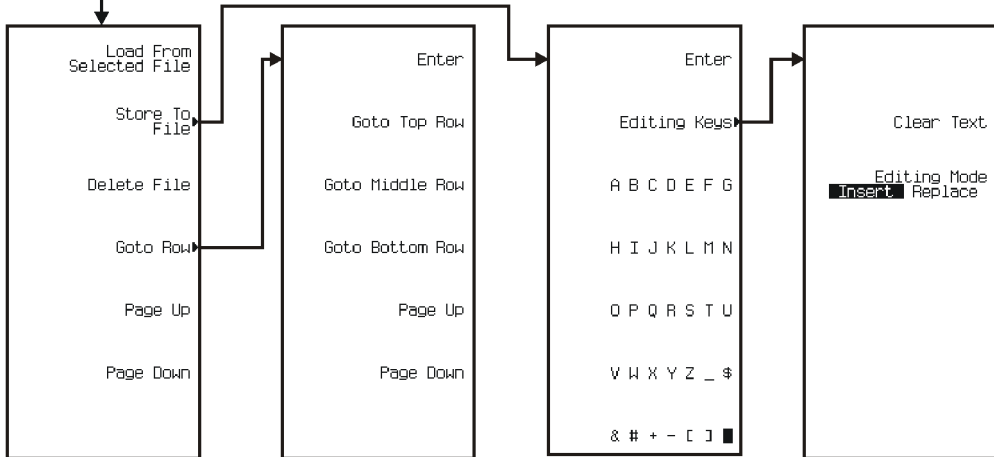


K and **L**
See Next Page

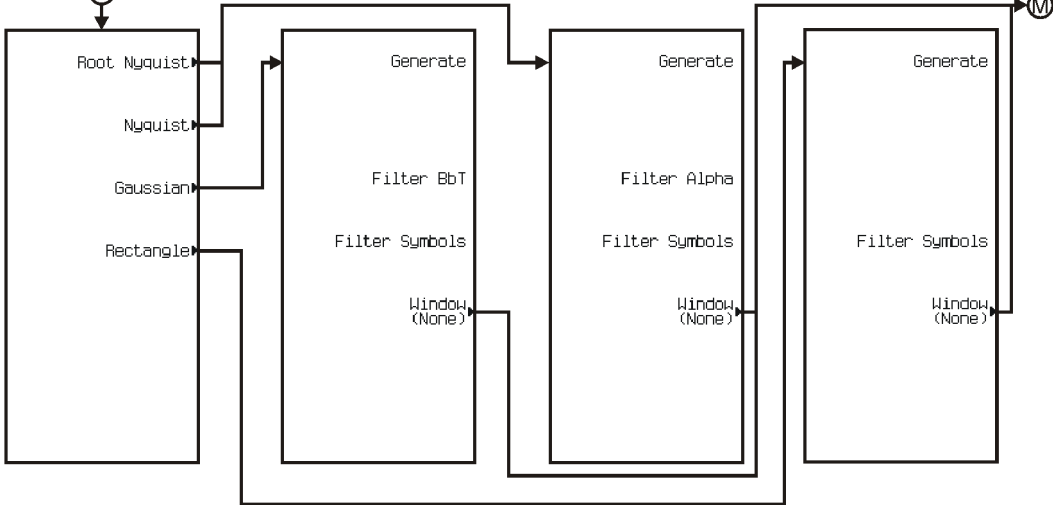
Pk758c

Key and Data Field Menu Maps
CDMA

Page 9 of 10 (K)

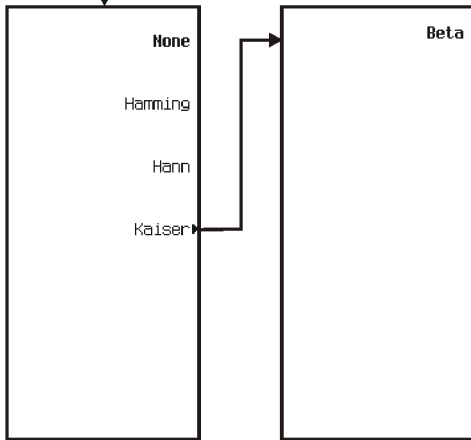


(L)

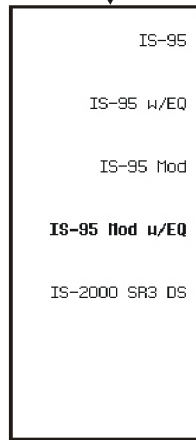


(M) thru (R)
 See Next Page

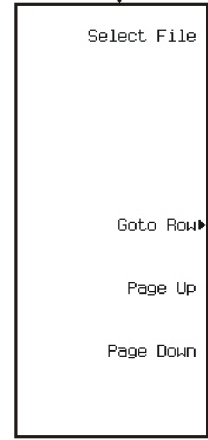
Page 10 of 10 **M**



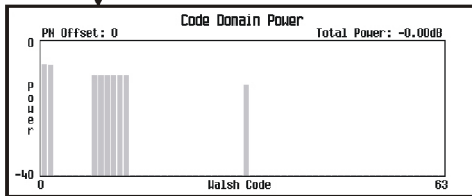
N



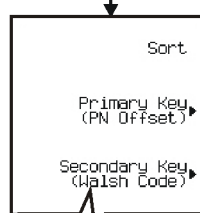
O



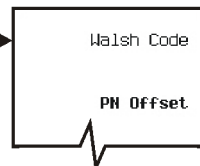
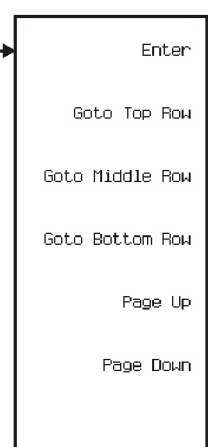
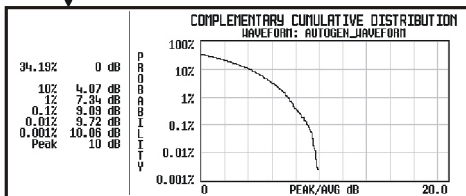
P



Q

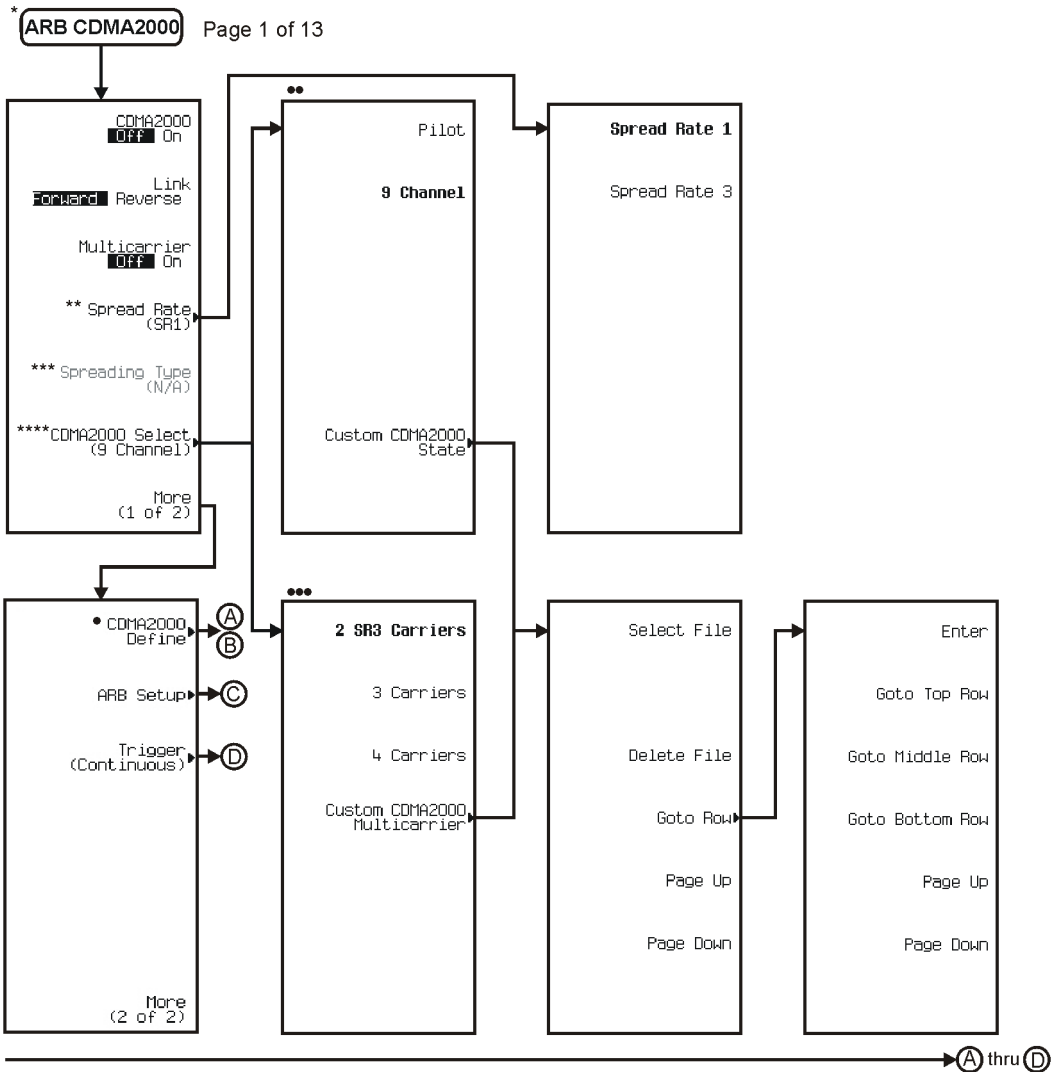


R



Pk800c

Key and Data Field Menu Maps
CDMA

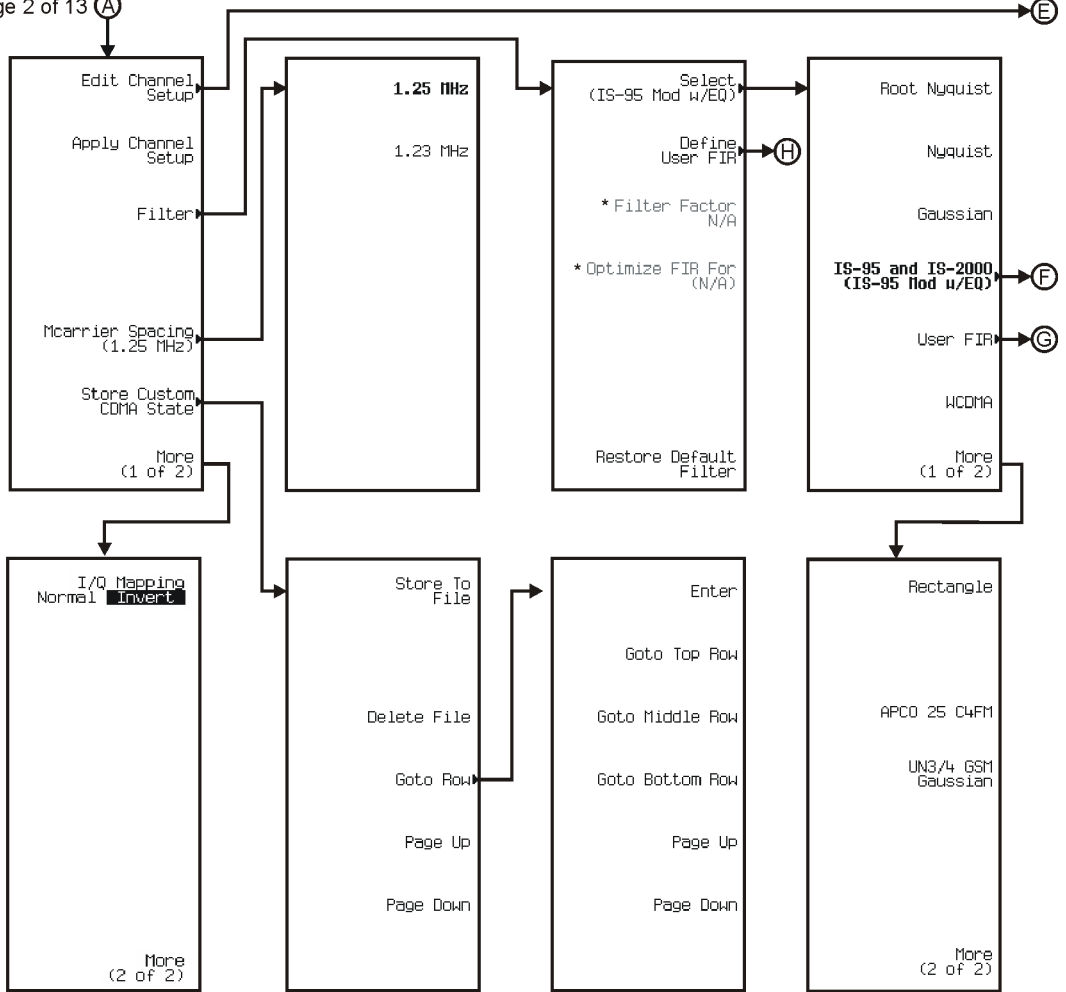


- * This menu only covers ARB CDMA2000 Forward Link.
- ** Inactive when Multicarrier is on.
- *** To activate press Spread Rate (SR1) > Spread Rate 3.
- **** Changes to CDMA2000 Select (2 SR# Carriers) when Multicarrier is on.

- Changes to Multicarrier Define when Multicarrier is on. Follow (A) when Multicarrier is off. Follow (B) when Multicarrier is on.
- Available when Multicarrier is off.
- Available when Multicarrier is on.

pk780c

Page 2 of 13 (A)



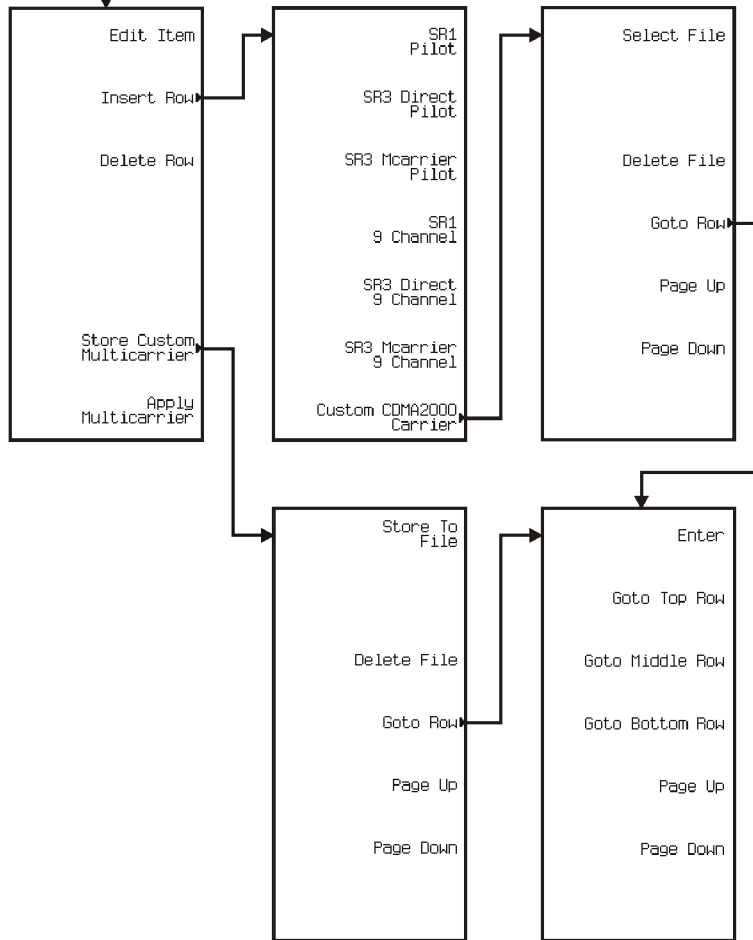
(B) thru (D)
See Next Page

* Changes according to the filter selected.

pk781c

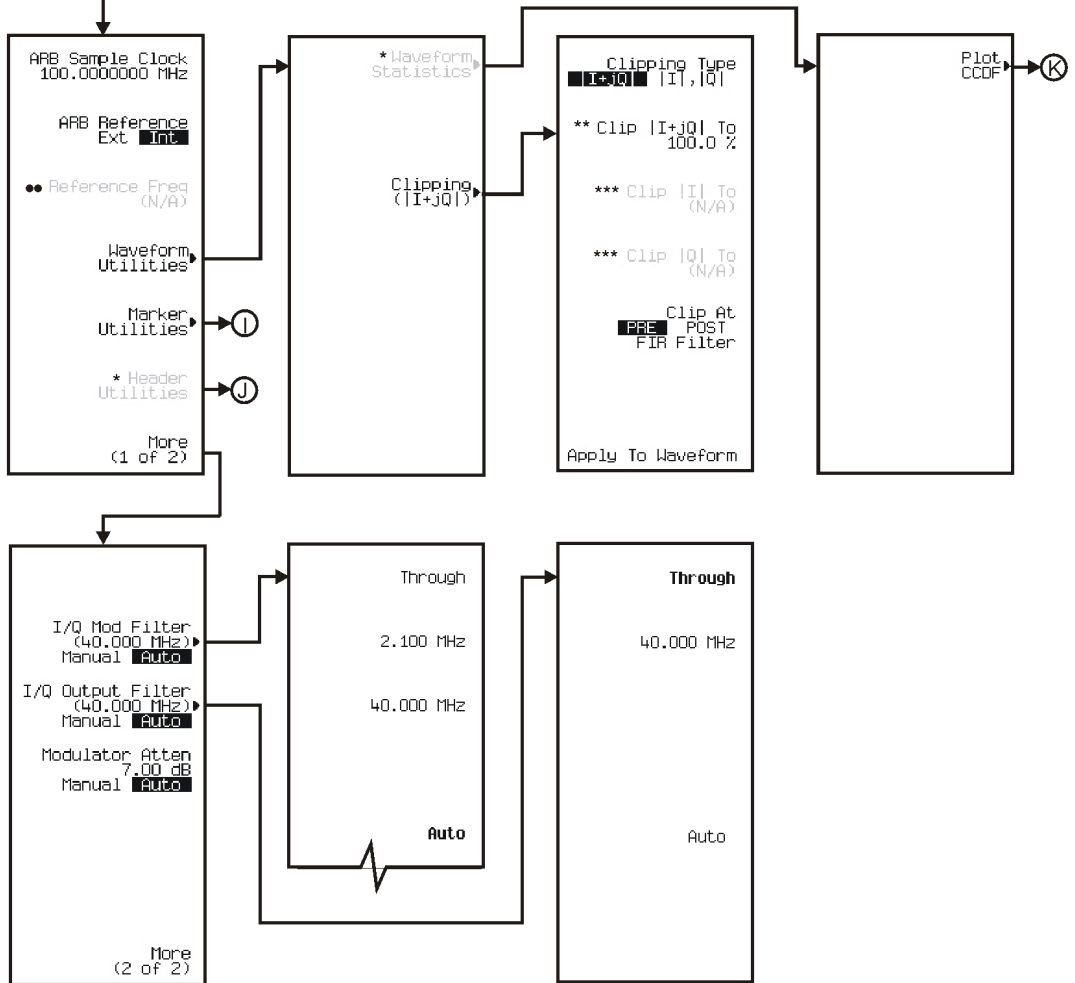
Key and Data Field Menu Maps
CDMA

Page 3 of 13 (B)



(C) thru (I)
See Next Page

pk7189c



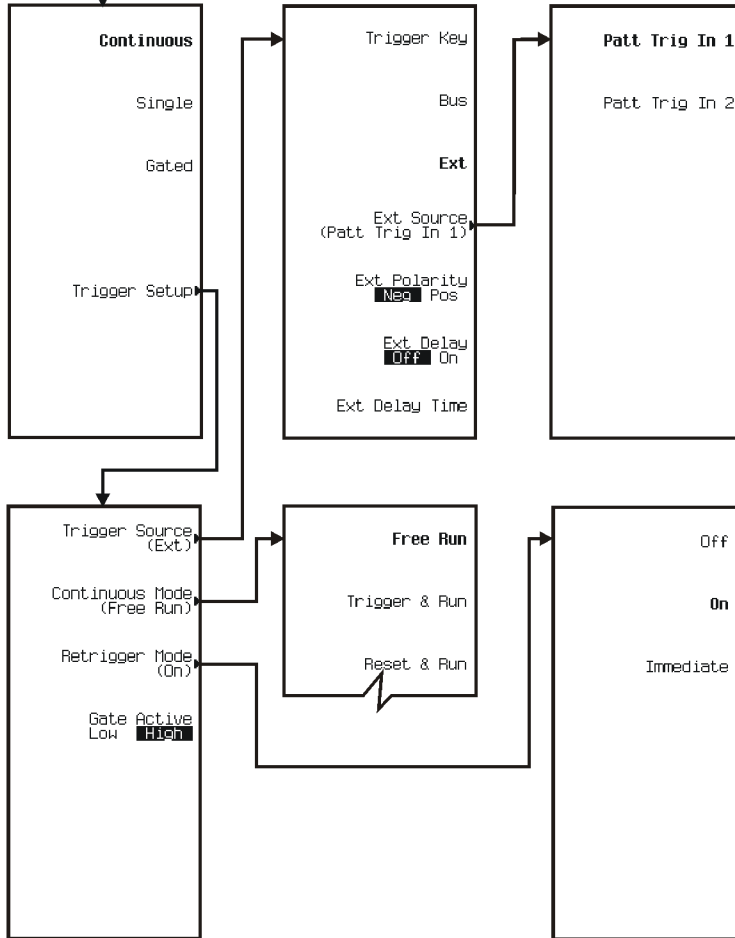
- * Active when Arb CDMA2000 is on.
- ** Inactive when **Clipping Type** |I+jQ| |I|,|Q| is set to |I|,|Q|.
- *** Active when **Clipping Type** |I+jQ| |I|,|Q| is set th |I|,|Q|.
- Active when **ARB Reference Ext Int** is set to Ext.

© thru (K)
See Next Page

Pk803c

Key and Data Field Menu Maps
CDMA

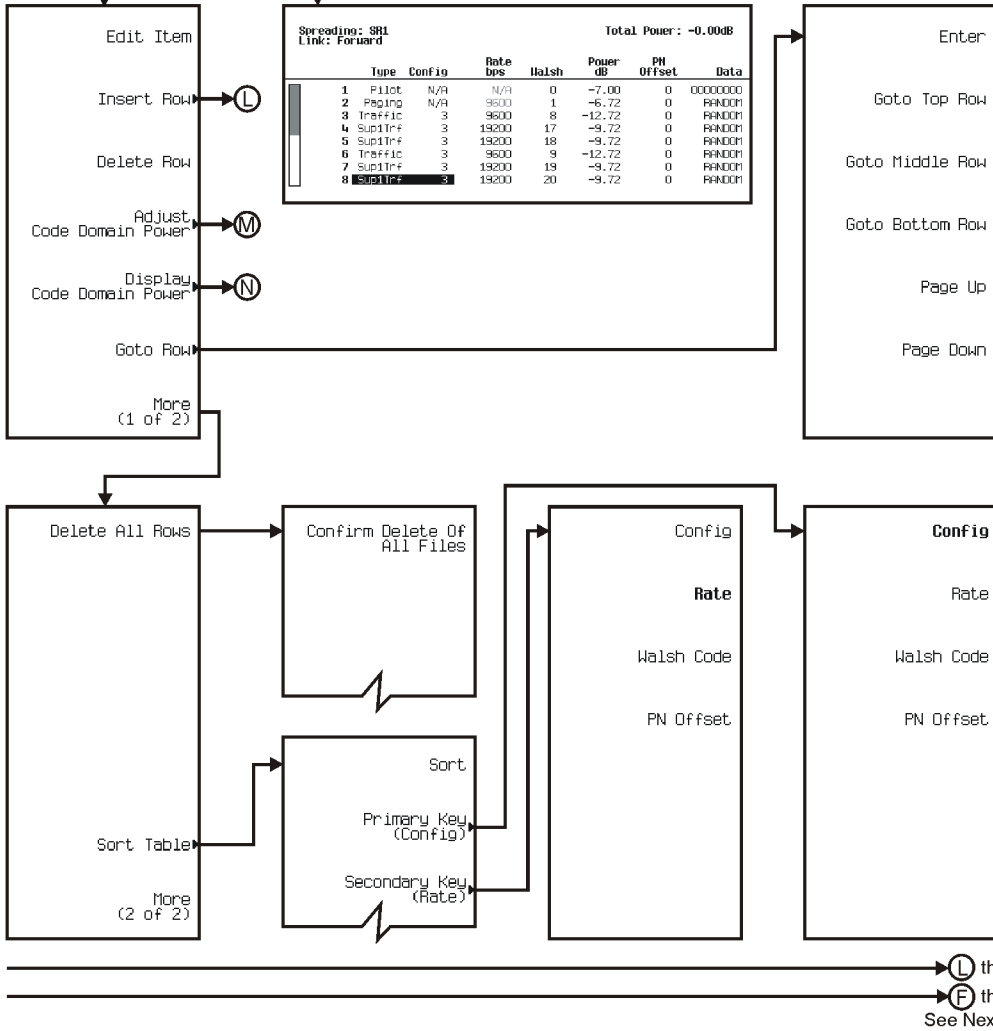
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➔ ① thru ①
See Next Page

pk782c

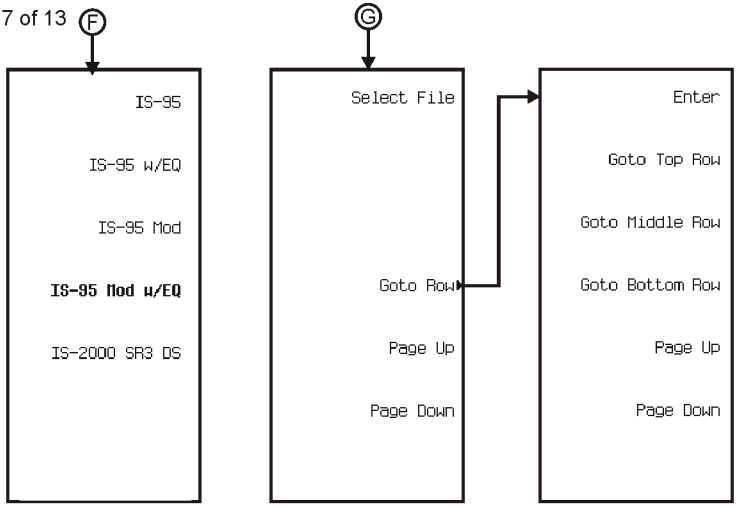
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pk783c

Key and Data Field Menu Maps
CDMA

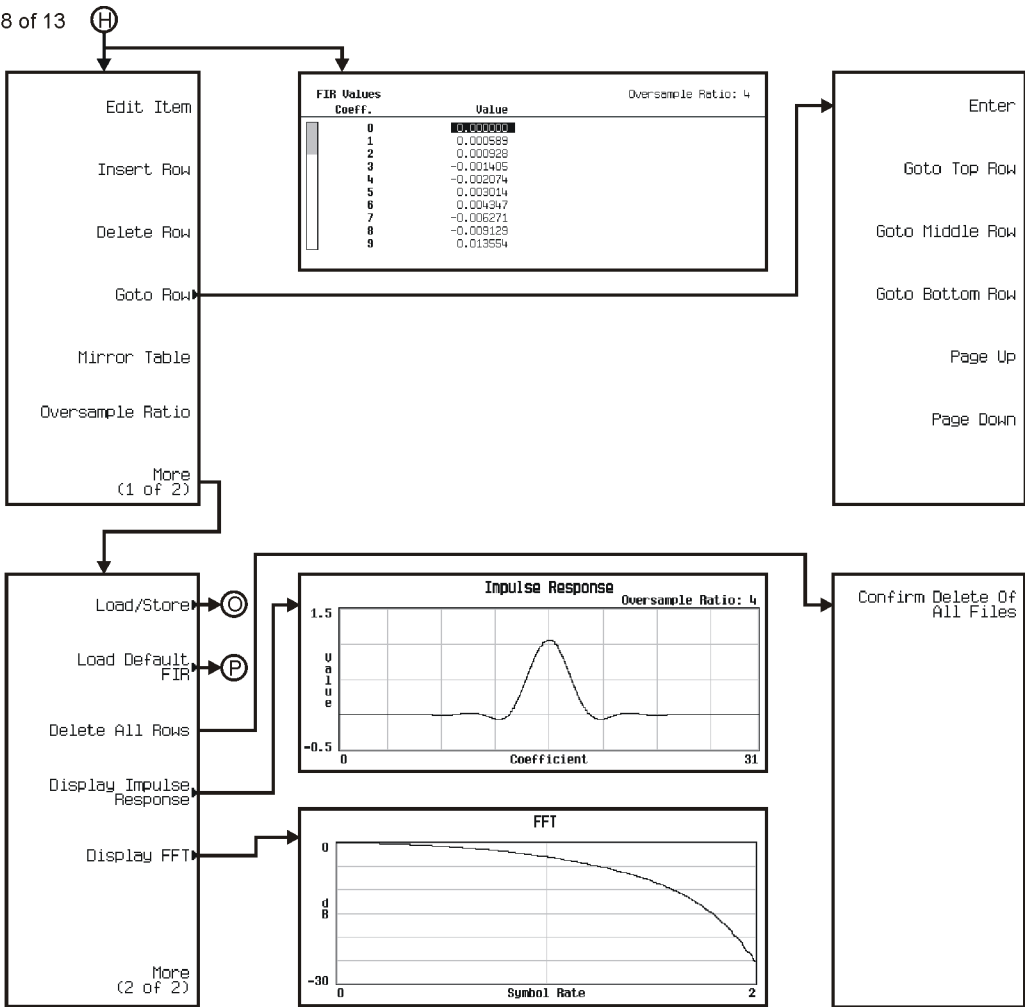
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→ H thru L
See Next Page

pk784c

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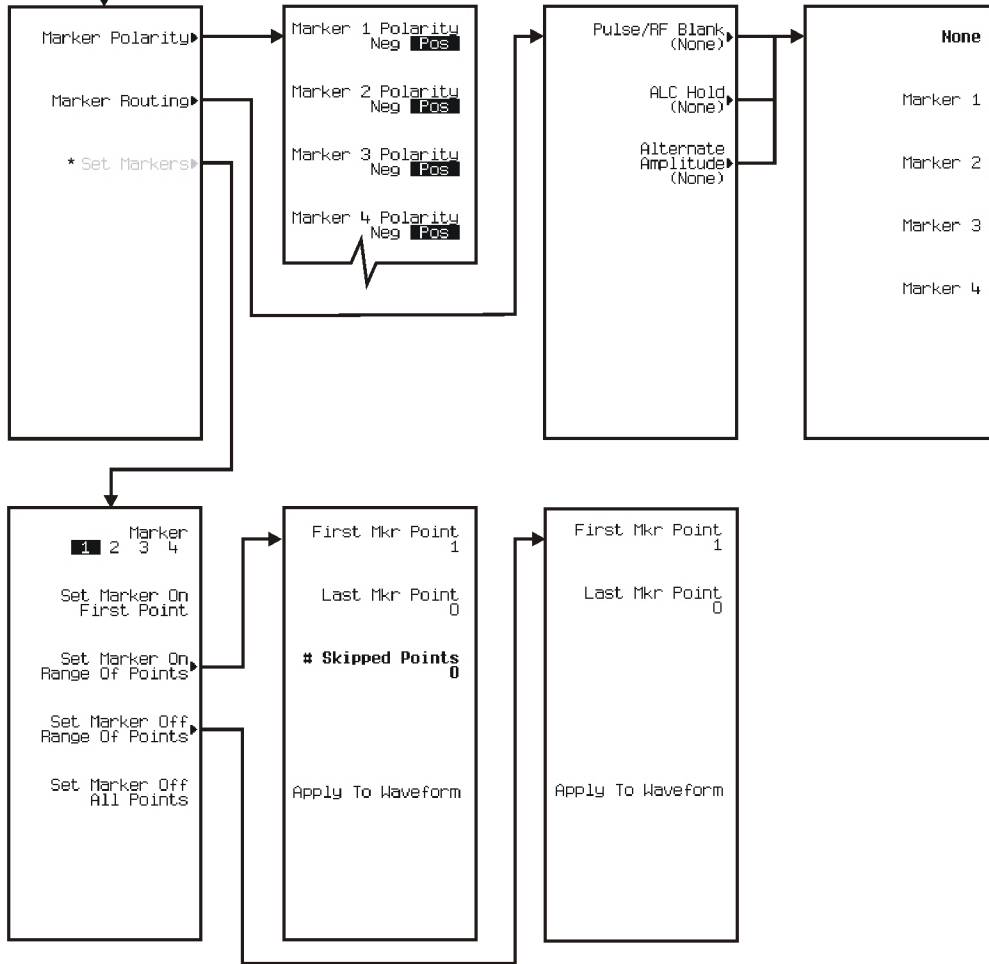


I
J thru P
See Next Page

pk785c

Key and Data Field Menu Maps
CDMA

Page 9 of 13 ①



* Active when CDMA modulation is on.

➔ J thru P
 See Next Page

Pk801c

Page 10 of 13 **J**

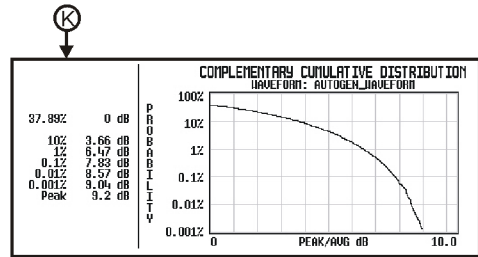
Edit Description
 Clear Header
 Save Setup To Header
 Page Up
 Page Down

File Header Information: IFF1:AUTOGEN_IJAVEFORM

Header Field	Saved Header Settings	Current Inst. Settings
Description		
Sample Rate	Unspecified	5.2500000 MHz
Runtime Scaling	Unspecified	92.00 %
Marker 1 Polarity	Unspecified	Pos
Marker 2 Polarity	Unspecified	Pos
Marker 3 Polarity	Unspecified	Pos
Marker 4 Polarity	Unspecified	Pos
ALC Hold Routing	Unspecified	None
Alt Ampl. Routing	Unspecified	None

Enter
 Editing Keys
 A B C D E F G
 H I J K L M N
 O P Q R S T U
 V W X Y Z _ \$
 & # + - [] █

Clear Text
 Editing Mode
 Insert Replace
 Upper Case
 Off On



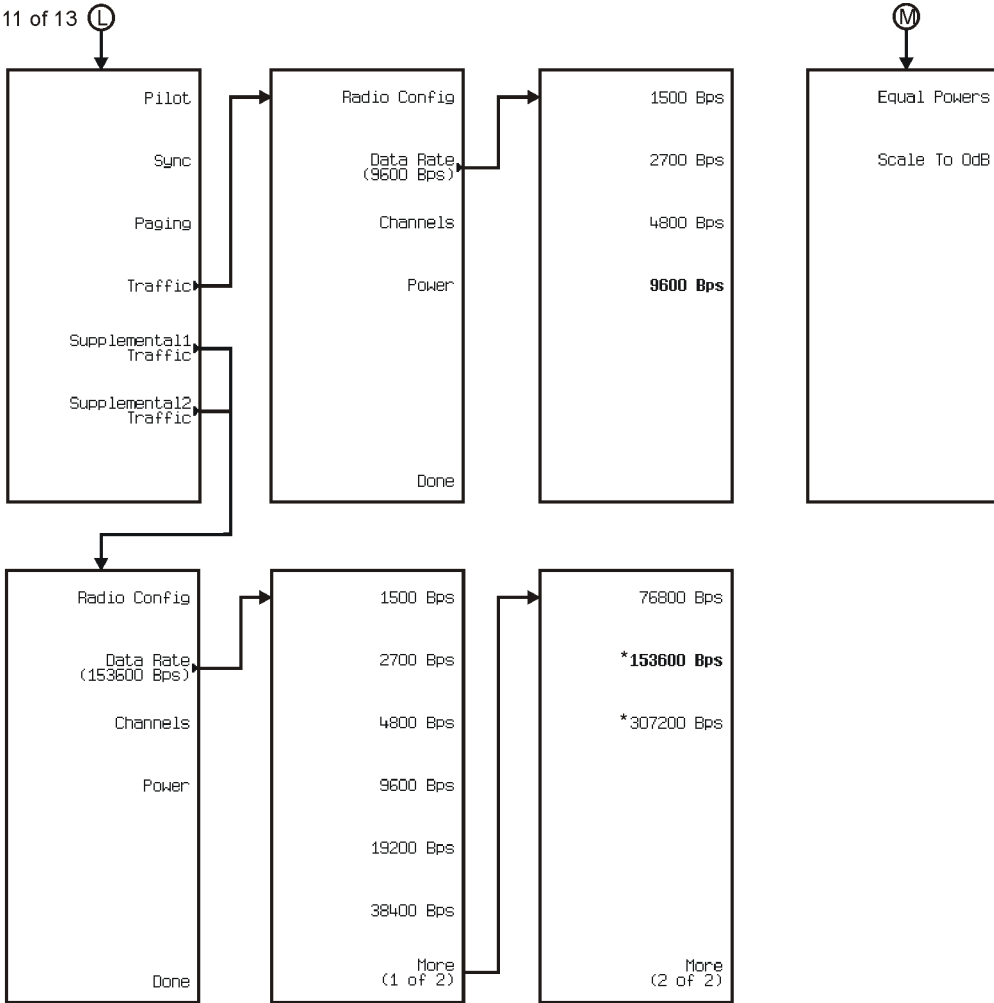
M thru **P**

L

See Next Page

Key and Data Field Menu Maps
CDMA

Page 11 of 13 **L**

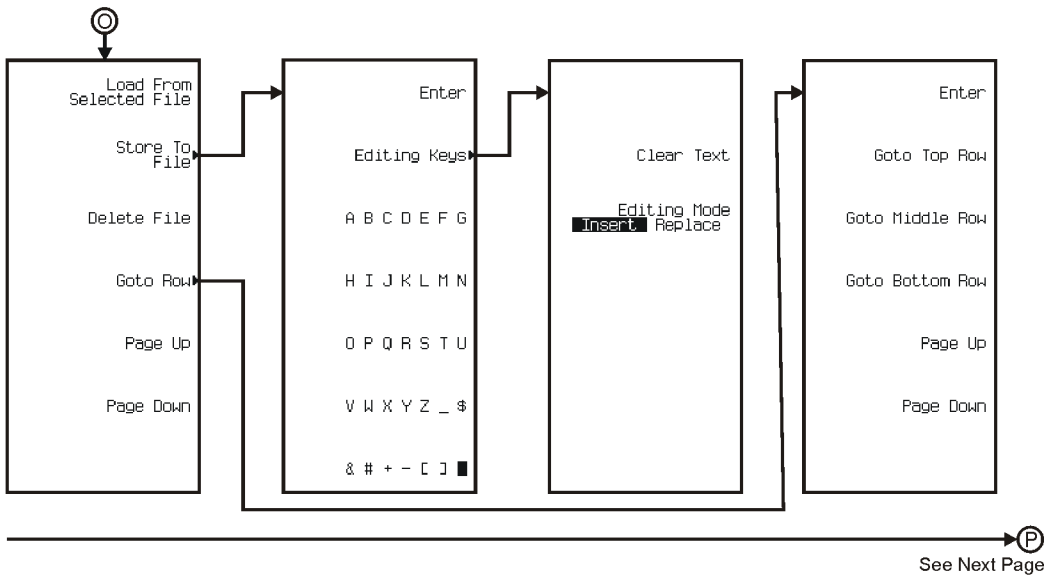
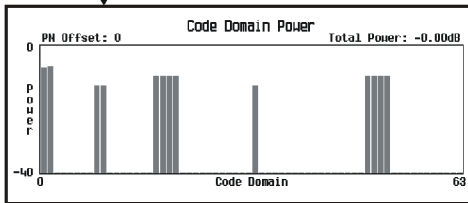


M

* Only available for **Supplemental1 Traffic**. ➔ **N** thru **P**
See Next Page

pk7166c

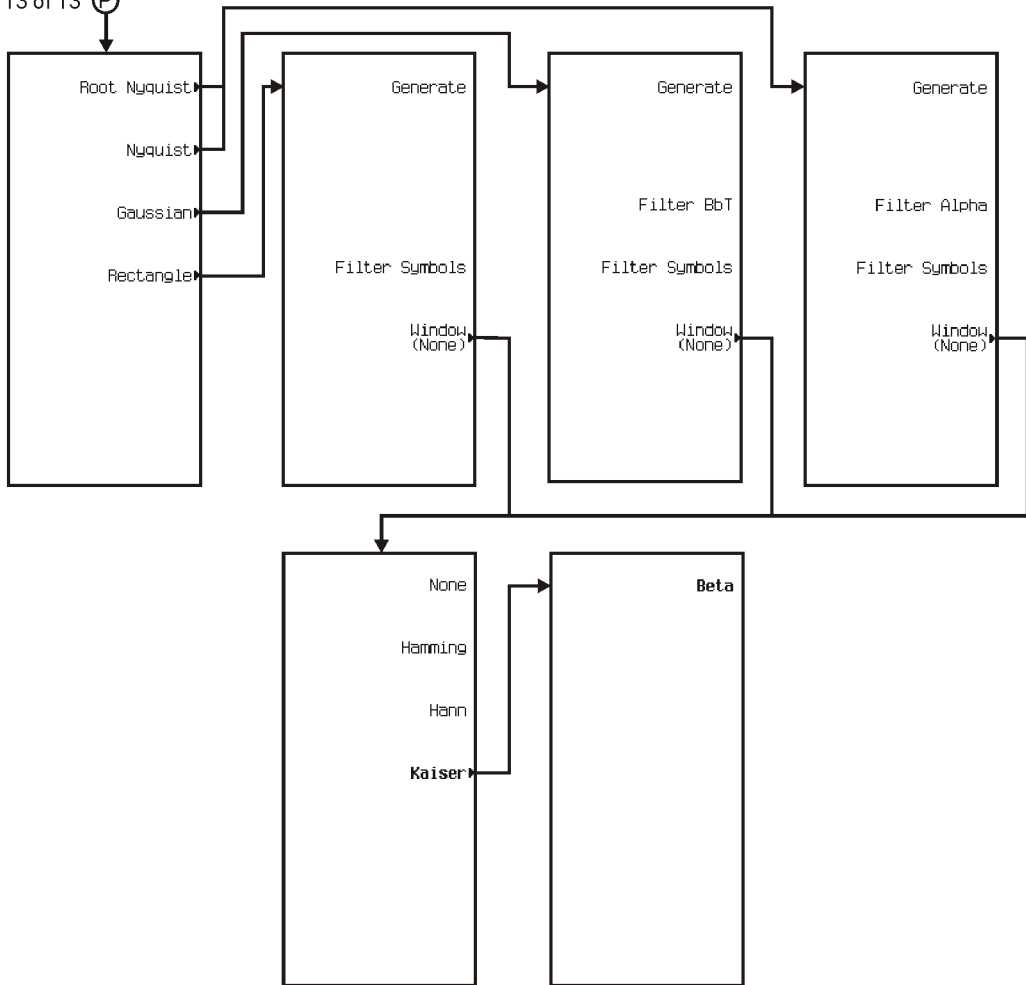
Page 12 of 13 (N)



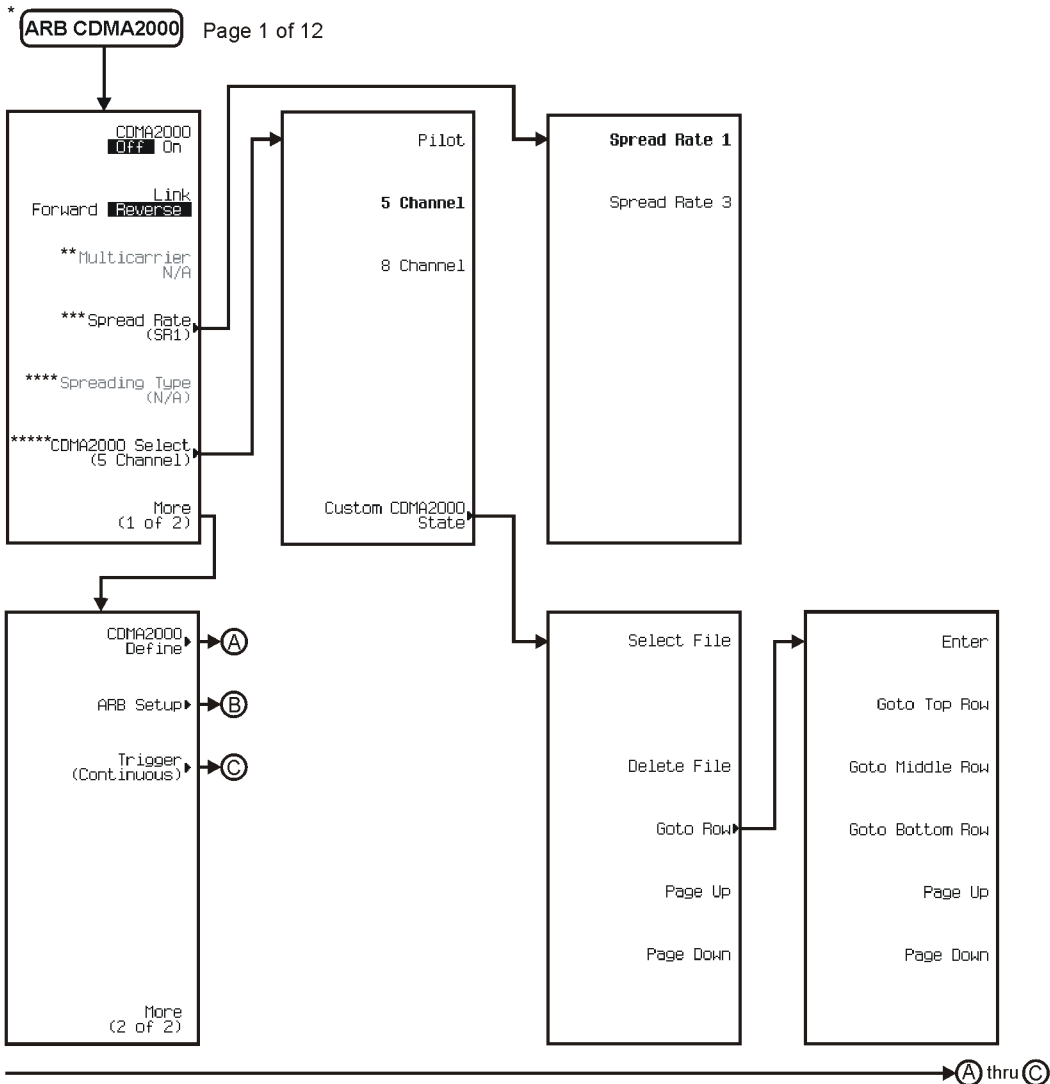
pk7167c

Key and Data Field Menu Maps
CDMA

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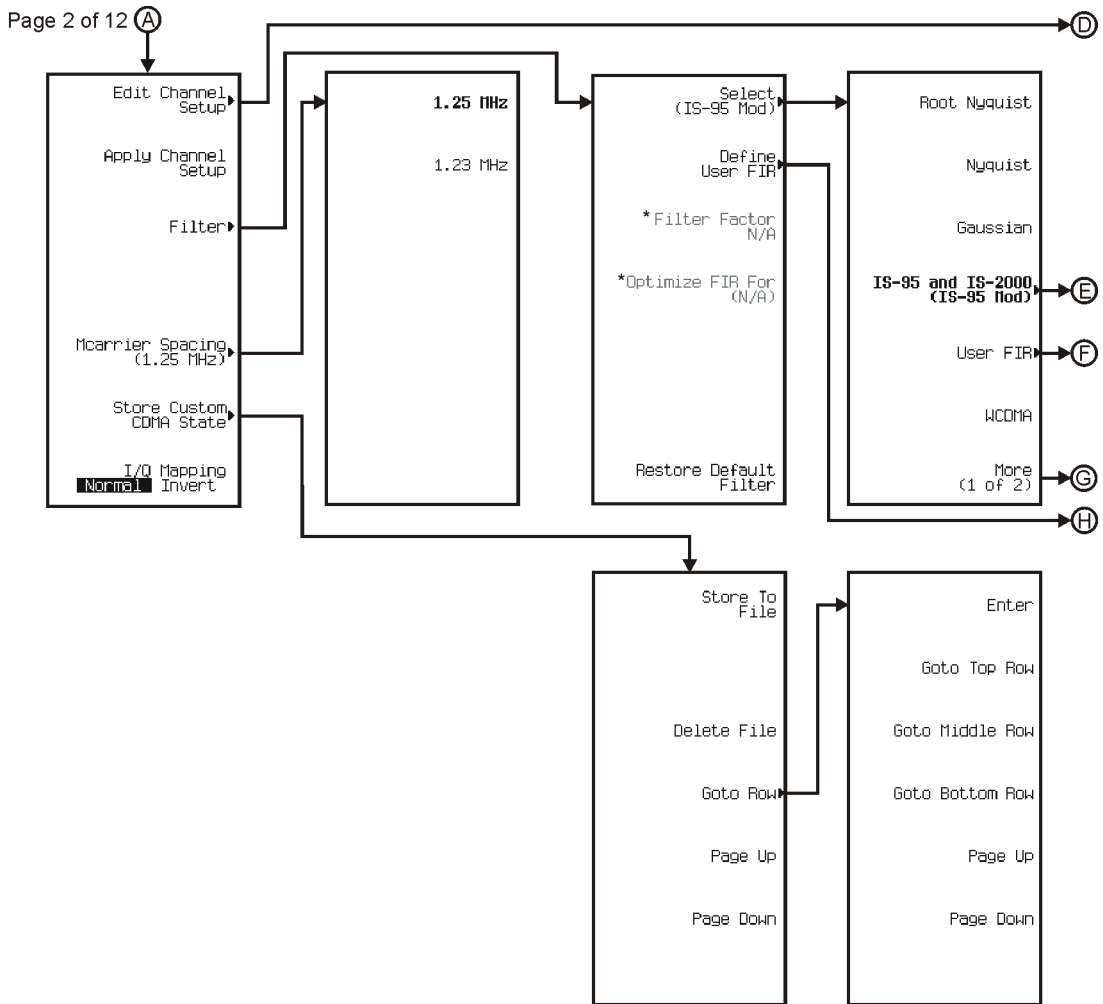


pk7168c



* This menu only covers ARB CDMA2000 Reverse Link.
 ** Unavailable when ARB CDMA2000 is in Reverse Link.
 *** Inactive when Multicarrier is on.
 **** To activate press Spread Rate (SR1) > Spread Rate 3.
 ***** Changes to CDMA2000 Select (2 SR# Carriers) when Multicarrier is on.

Key and Data Field Menu Maps
CDMA

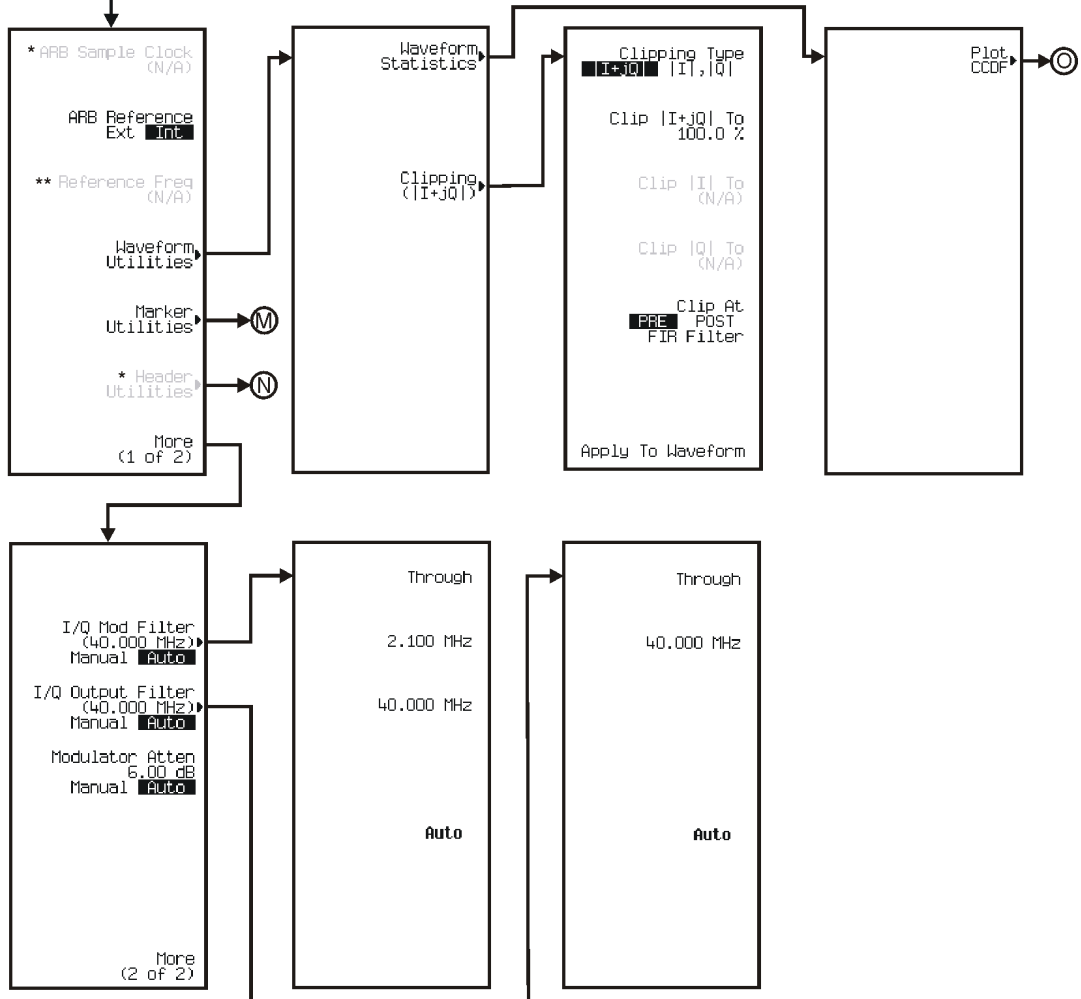


* This key changes according to the filter selected.

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pk7170c

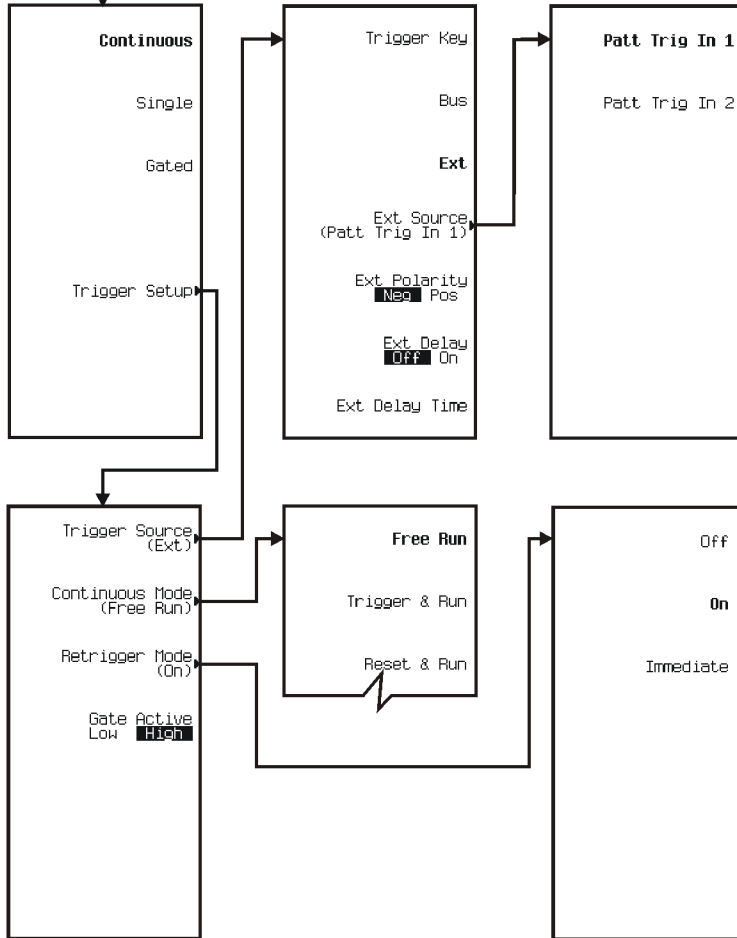
Page 3 of 12 (B)



* Active when CDMA2000 is set to On.
** Active when ARB Reference Ext Int is set to Ext.

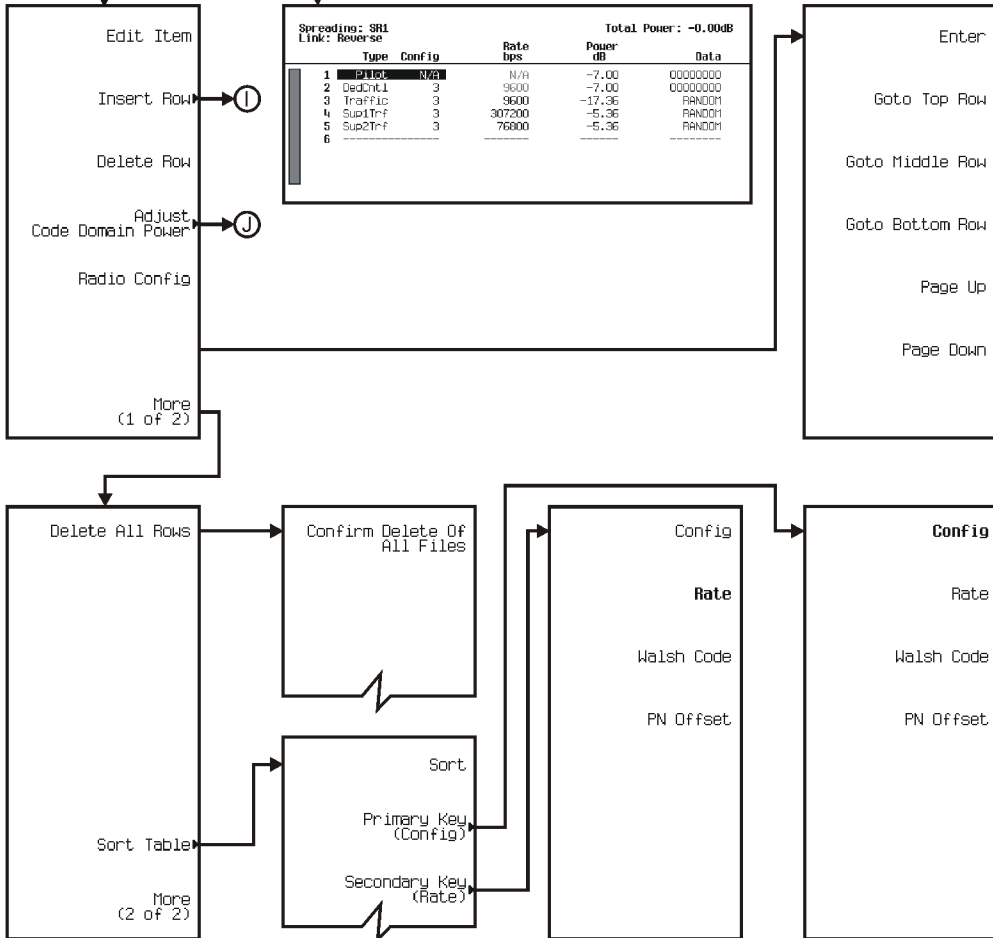
See Next Page

Pk809c



➔ ① thru ①
See Next Page

Page 5 of 12 **D**

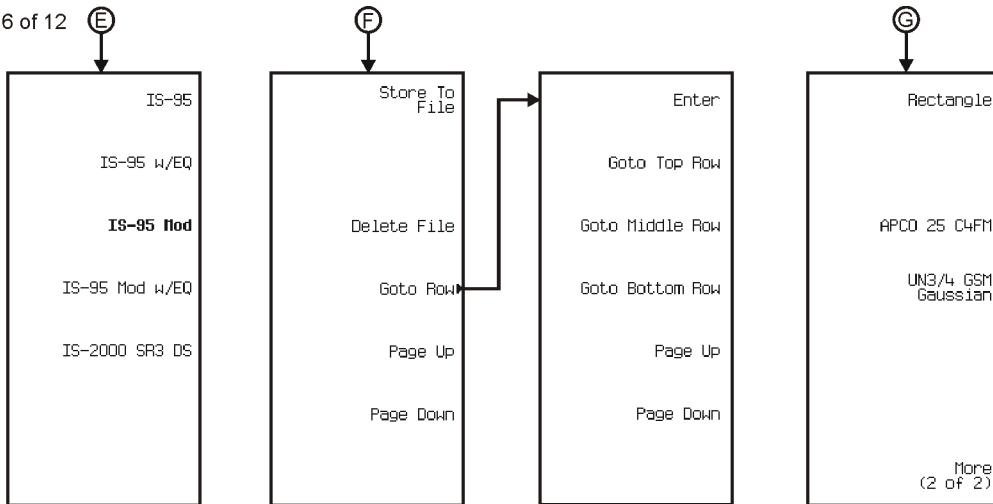


pk7171c

E thru **H**
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Key and Data Field Menu Maps
CDMA

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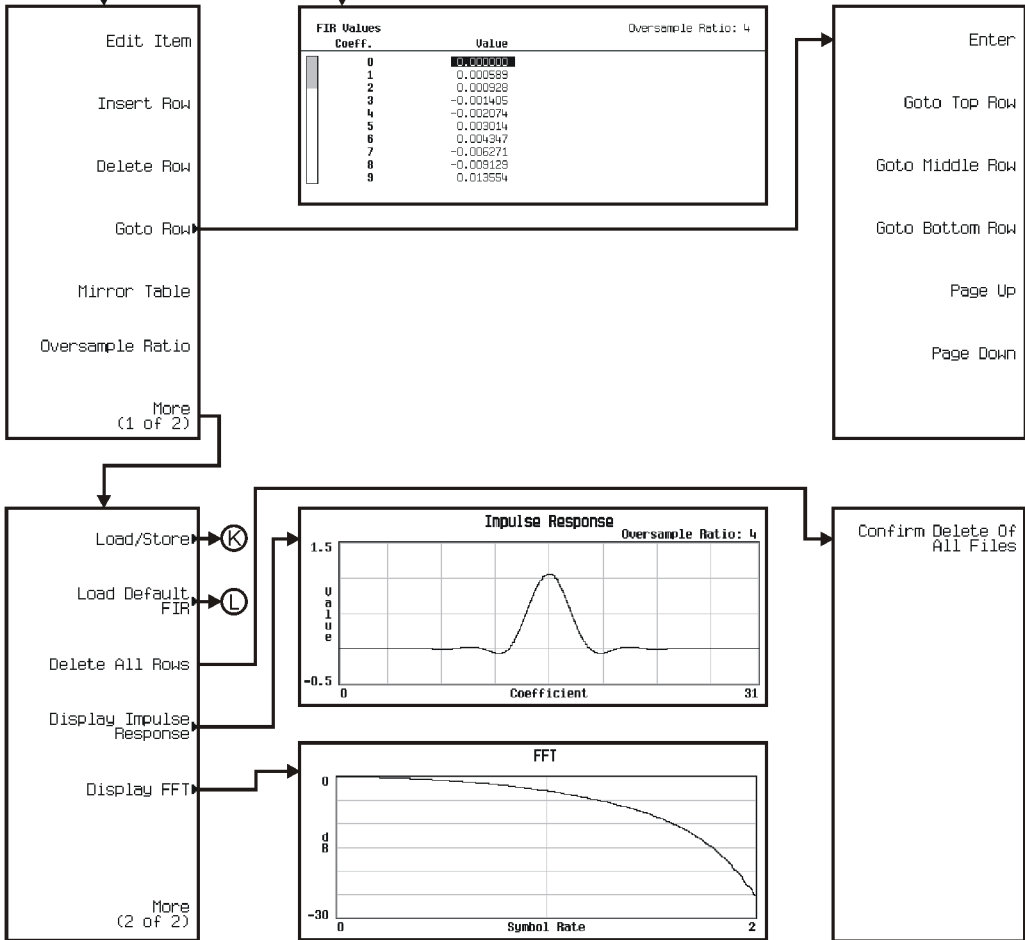


→ H thru J
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pk7172c

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Ⓜ

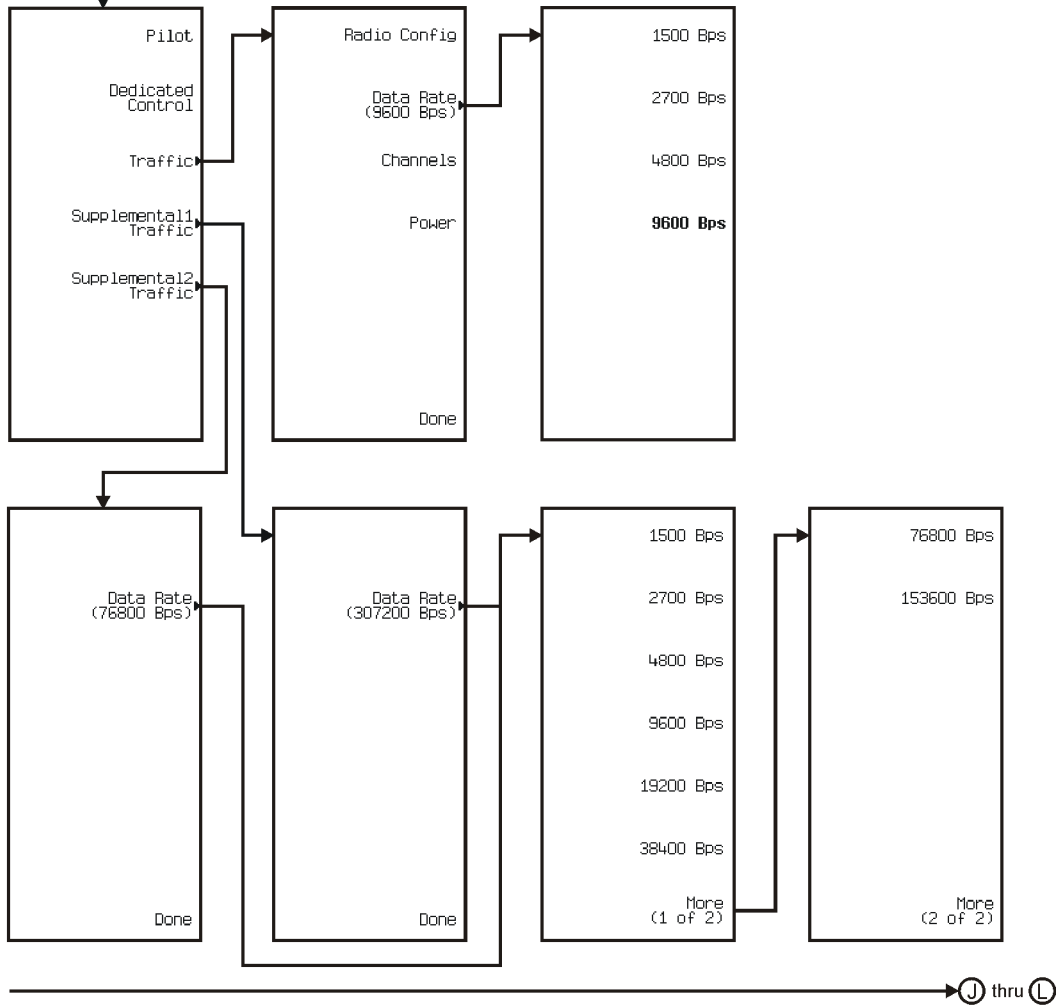


→ Ⓚ and Ⓛ
→ Ⓜ thru Ⓝ
→ See Next Page

pk7173c

Key and Data Field Menu Maps
CDMA

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pk7174c

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ⓐ

Equal Powers

Scale To 0dB

Spreading: SR1
Link: Reverse

Total Power: -0.00dB

	Type	Config	Rate bps	Half	Power dB	PN Offset	Data
1	Pilot	N/A	N/A	0	-7.00	0	00000000
2	Pegging	N/A	9600	1	-6.72	0	RANDOM
3	Traffic	3	9600	8	-12.72	0	RANDOM
4	SuplTrf	3	19200	17	-9.72	0	RANDOM
5	SuplTrf	3	19200	18	-9.72	0	RANDOM
6	Traffic	3	9600	9	-12.72	0	RANDOM
7	SuplTrf	3	19200	19	-9.72	0	RANDOM
8	SuplTrf	3	19200	20	-9.72	0	RANDOM

ⓑ

Load From Selected File

Store To File

Delete File

Goto Row

Page Up

Page Down

Enter

Editing Keys

A B C D E F G

H I J K L M N

O P Q R S T U

V W X Y Z _ \$

& # + - [] █

Clear Text

Editing Mode

Insert Replace

Enter

Goto Top Row

Goto Middle Row

Goto Bottom Row

Page Up

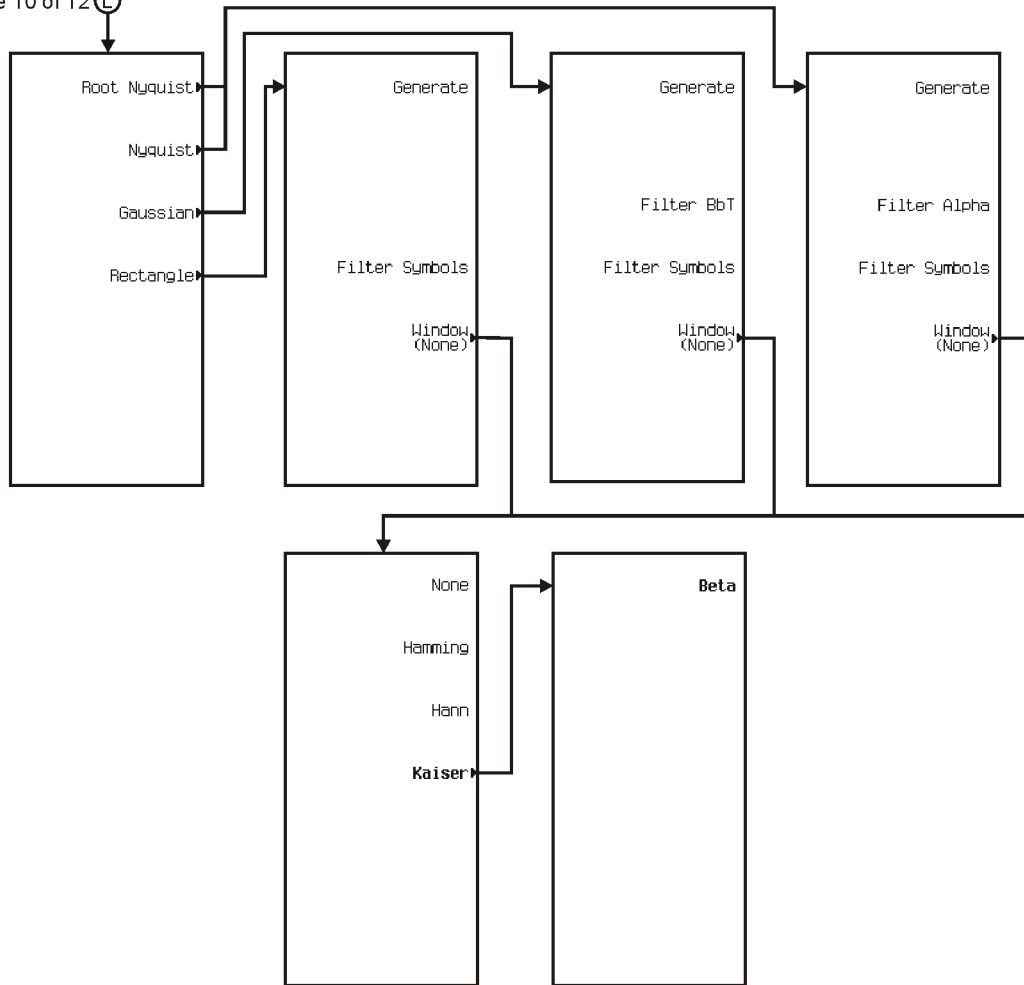
Page Down

ⓓ

See Next Page

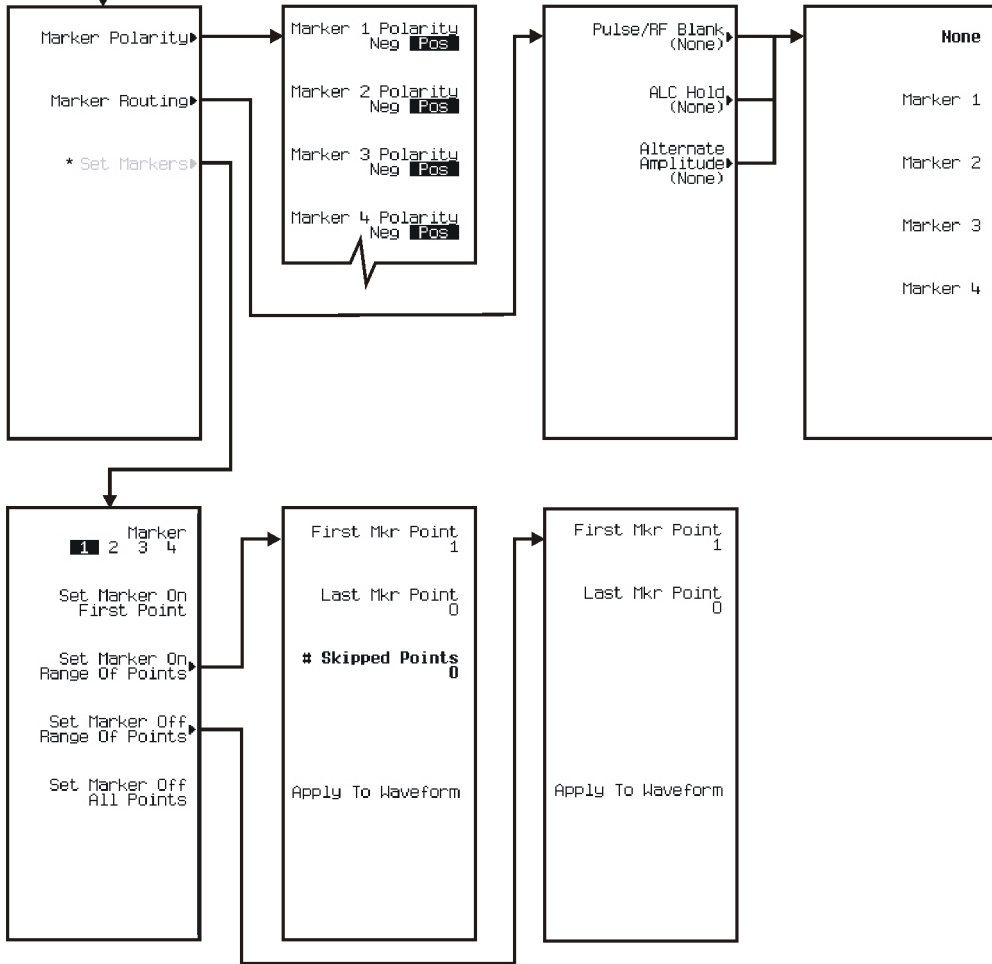
pk7175c

Page 10 of 12 (L)



(M) thru (C)

pk7176c



* Active when CDMA2000 modulation is set to On. (N) and (O)
See Next Page

Key and Data Field Menu Maps
CDMA

Page 12 of 12 **N**

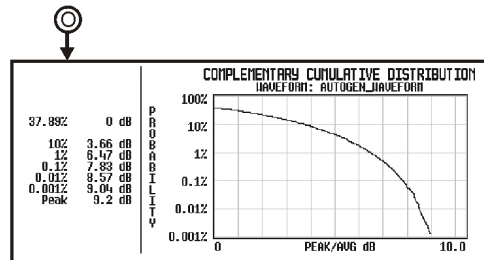
Edit Description
 Clear Header
 Save Setup To Header
 Page Up
 Page Down

File Header Information: IFFM1:AUTOGEN_IJAVEFORM

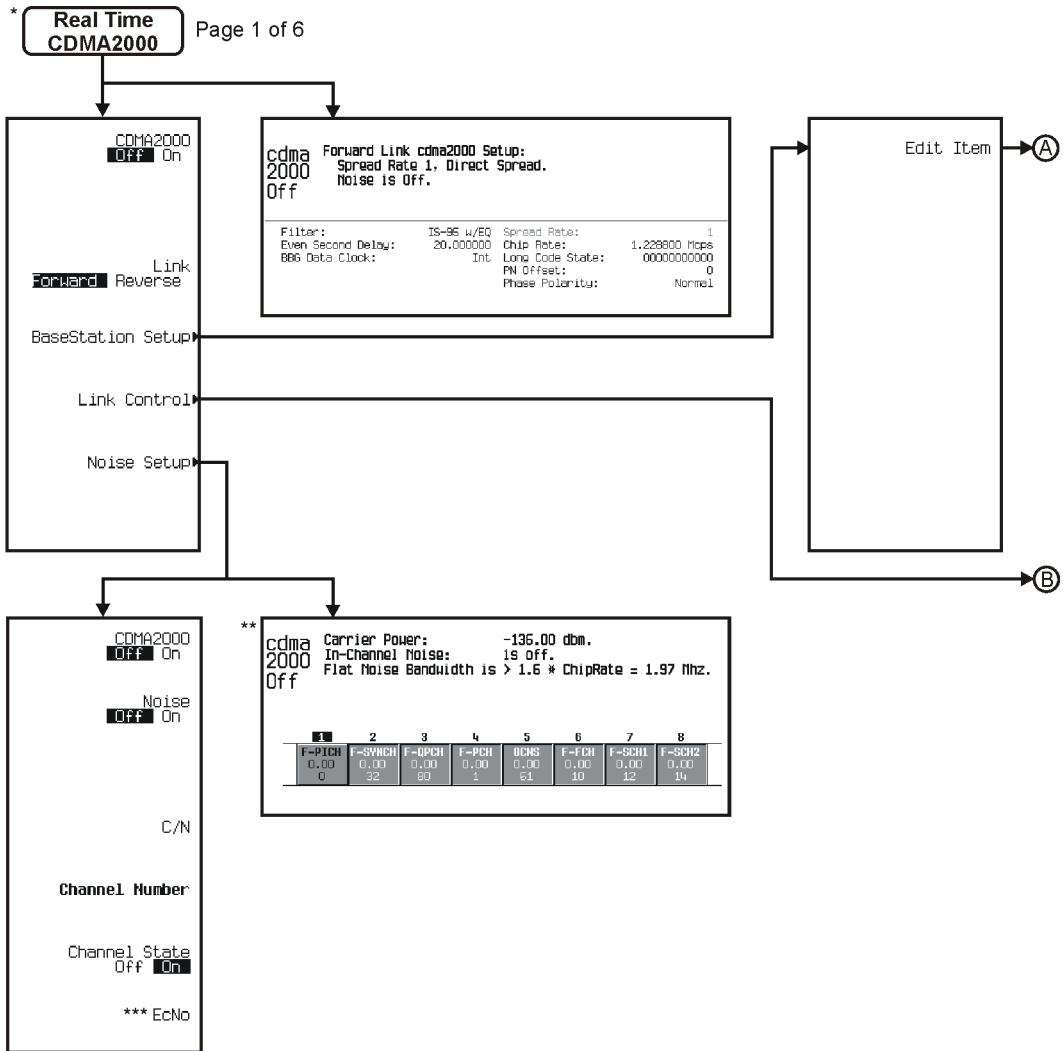
Header Field	Saved Header Settings	Current Inst. Settings
Description		
Sample Rate	Unspecified	5.250000 MHz
Runtime Scaling	Unspecified	32.00 %
Marker 1 Polarity	Unspecified	Pos
Marker 2 Polarity	Unspecified	Pos
Marker 3 Polarity	Unspecified	Pos
Marker 4 Polarity	Unspecified	Pos
ALC Hold Routing	Unspecified	None
Alt Ampl. Routing	Unspecified	None

Enter
 Editing Keys
 A B C D E F G
 H I J K L M N
 O P Q R S T U
 V W X Y Z _ \$
 & # + - [] █

Clear Text
 Editing Mode
 █ Insert Replace
 Upper Case
 Off █ On



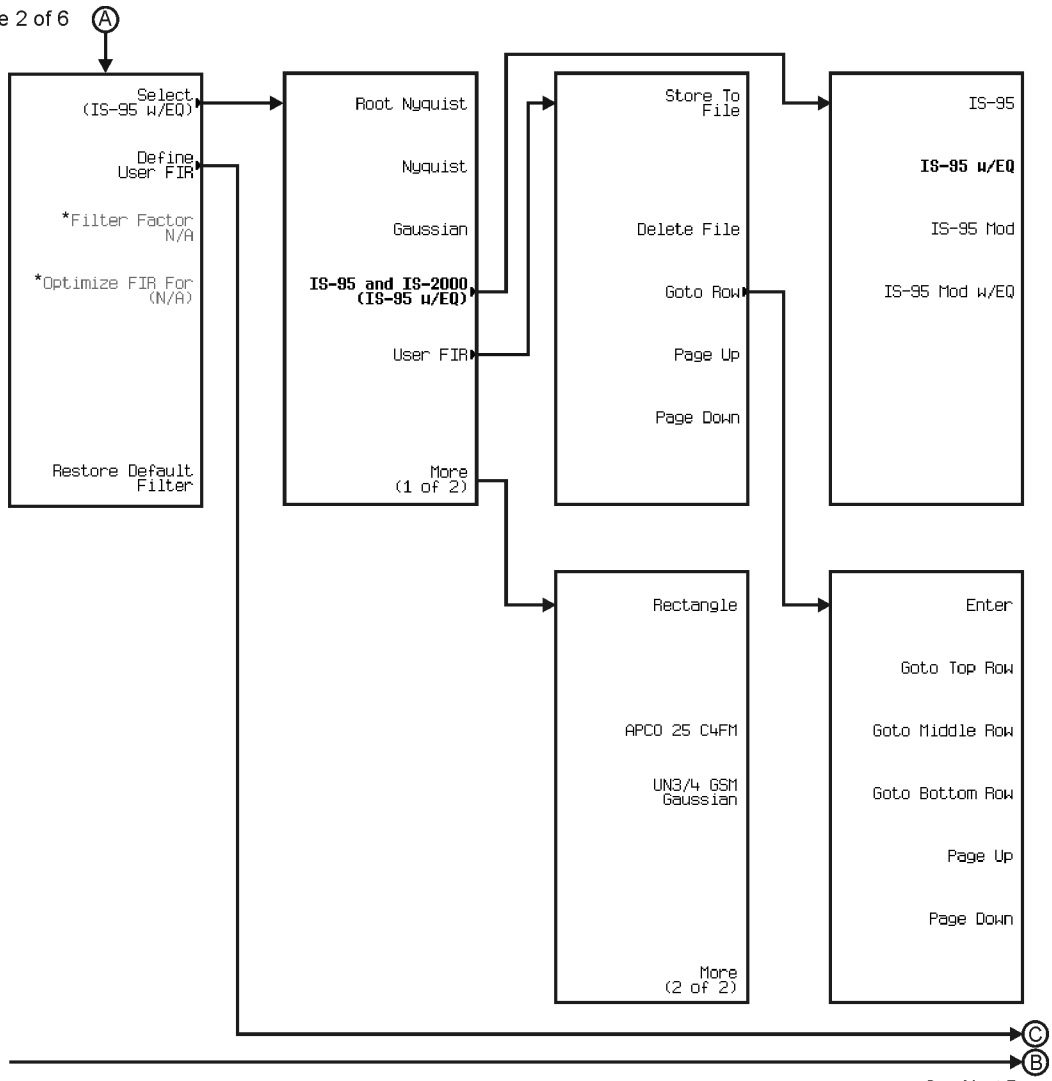
Pk811c



* This menu covers **Real Time CDMA2000 Forward Link** only.
 ** Data Field will change with channel selection.
 *** Inactive when Channel State is off.

Key and Data Field Menu Maps
CDMA

Page 2 of 6

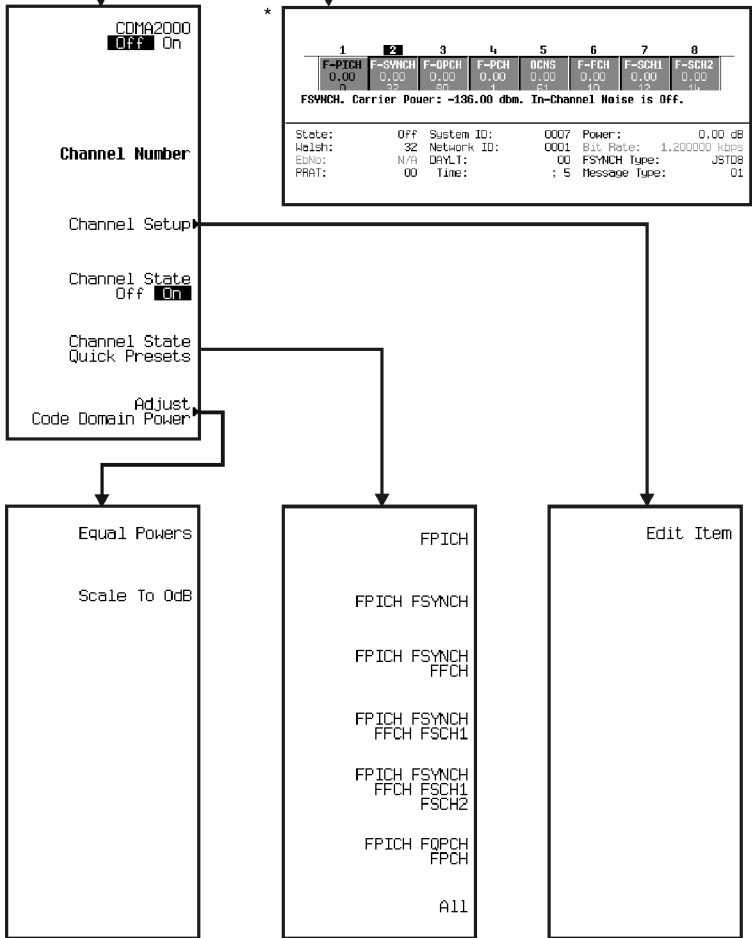


* Changes according to filter selected.

See Next Page

pk7105c

Page 3 of 6 **B**



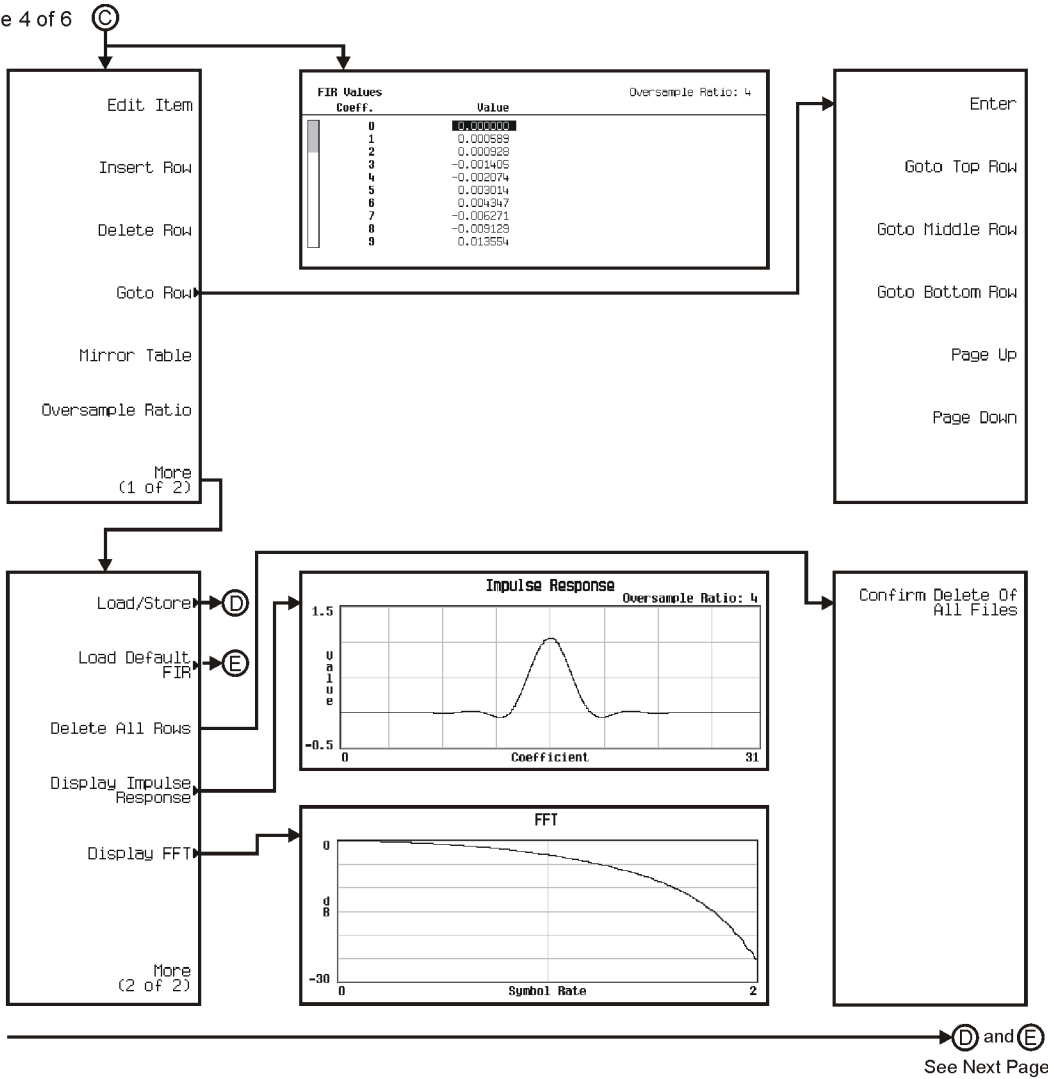
* Data Field will change with channel selection.

See Next Page **C**

pk787c

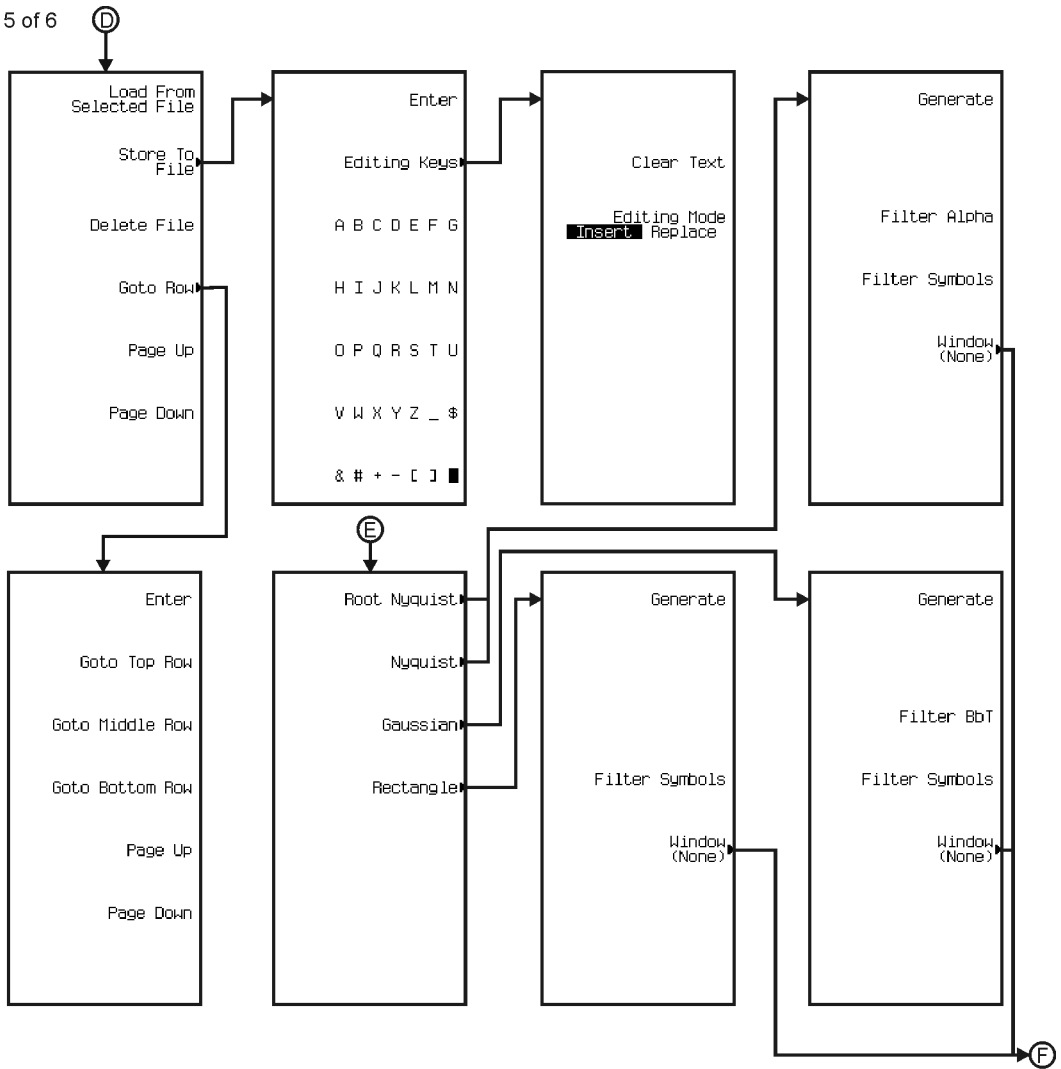
Key and Data Field Menu Maps
CDMA

Page 4 of 6



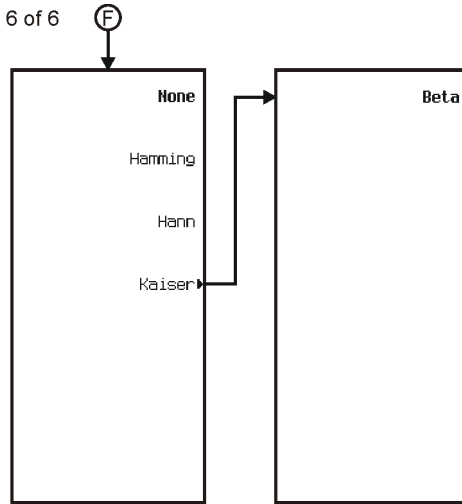
pk7106c

Page 5 of 6

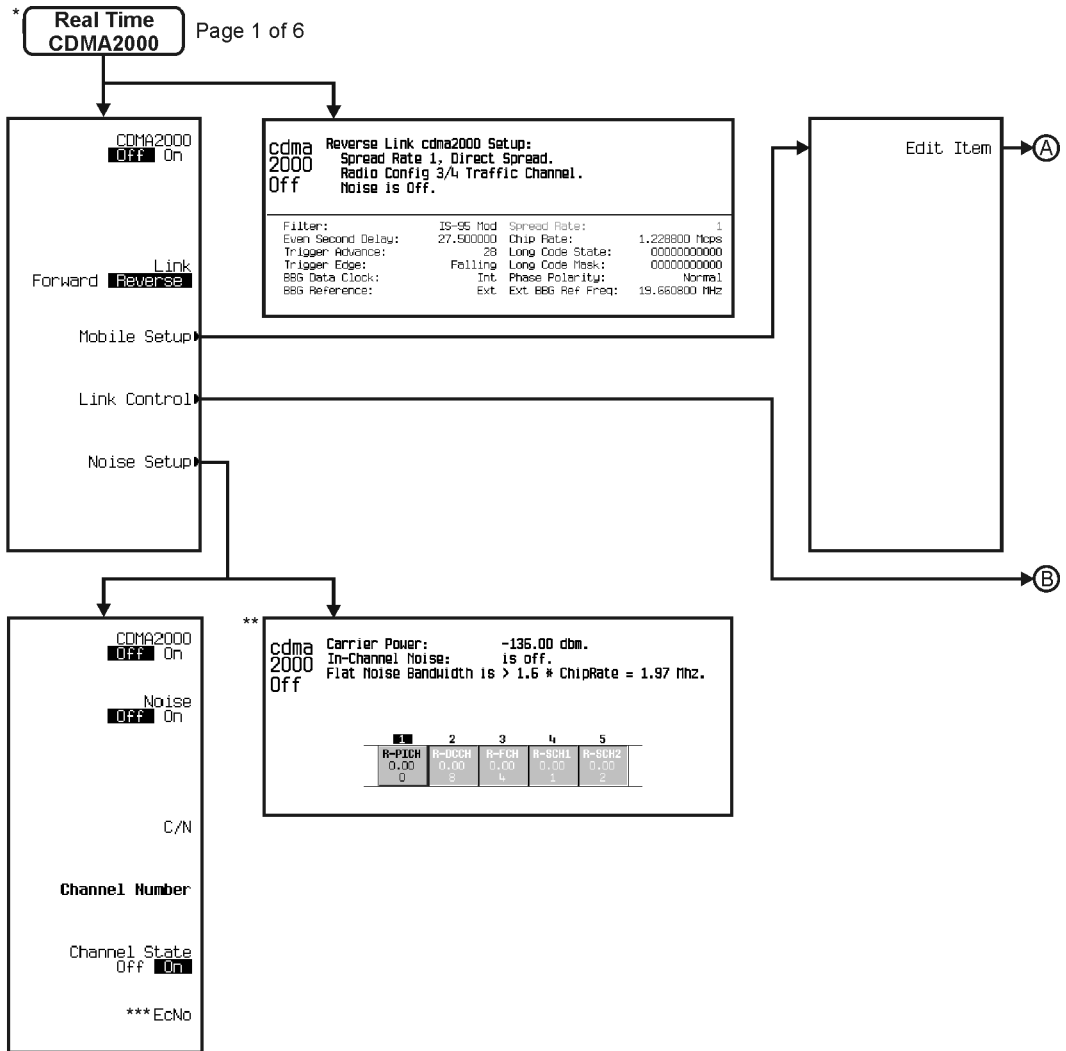


pk7107c

Page 6 of 6



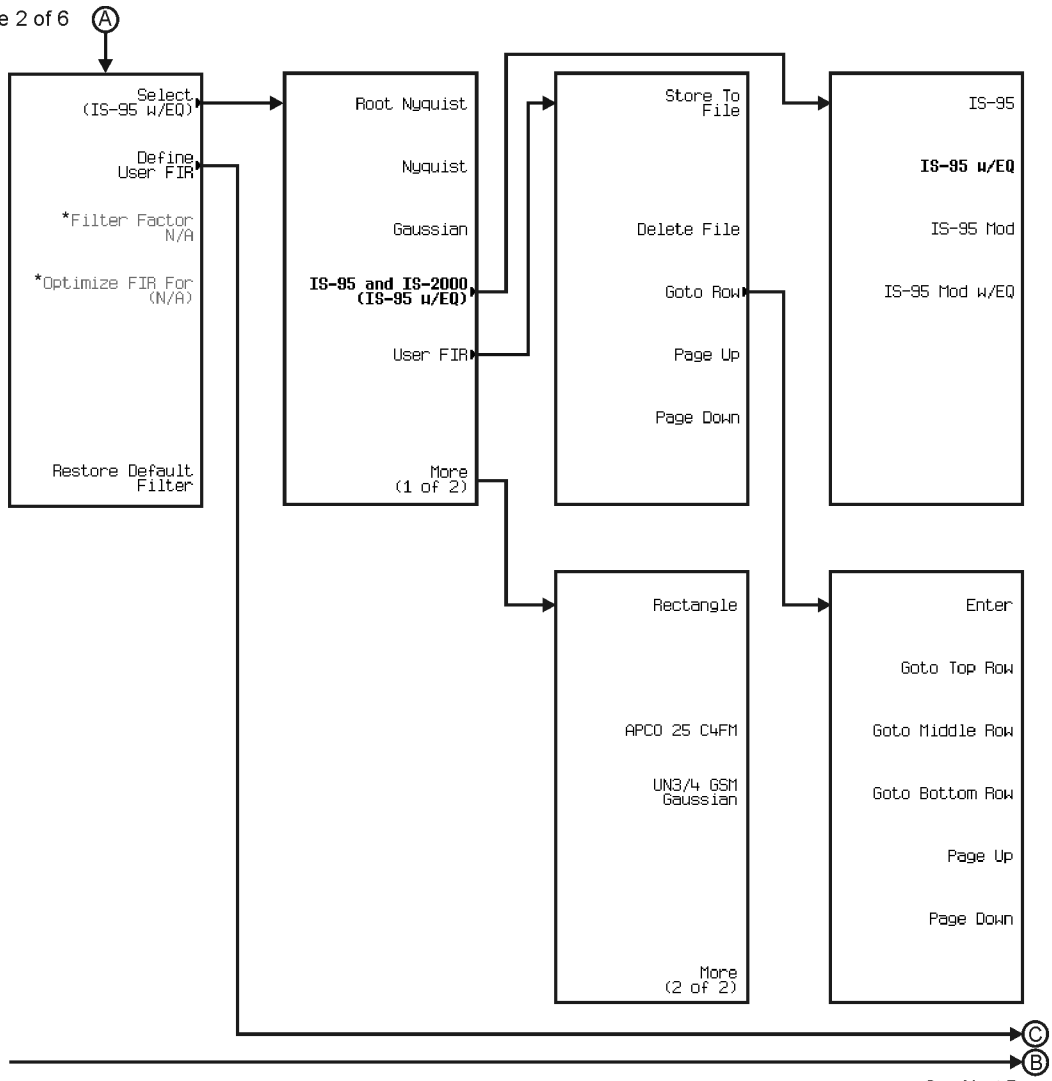
pk7108c



* This menu covers Real Time CDMA2000 Reverse Link only.
 ** Data Field will change with channel selection.
 *** Inactive when Channel State is off.

Key and Data Field Menu Maps
CDMA

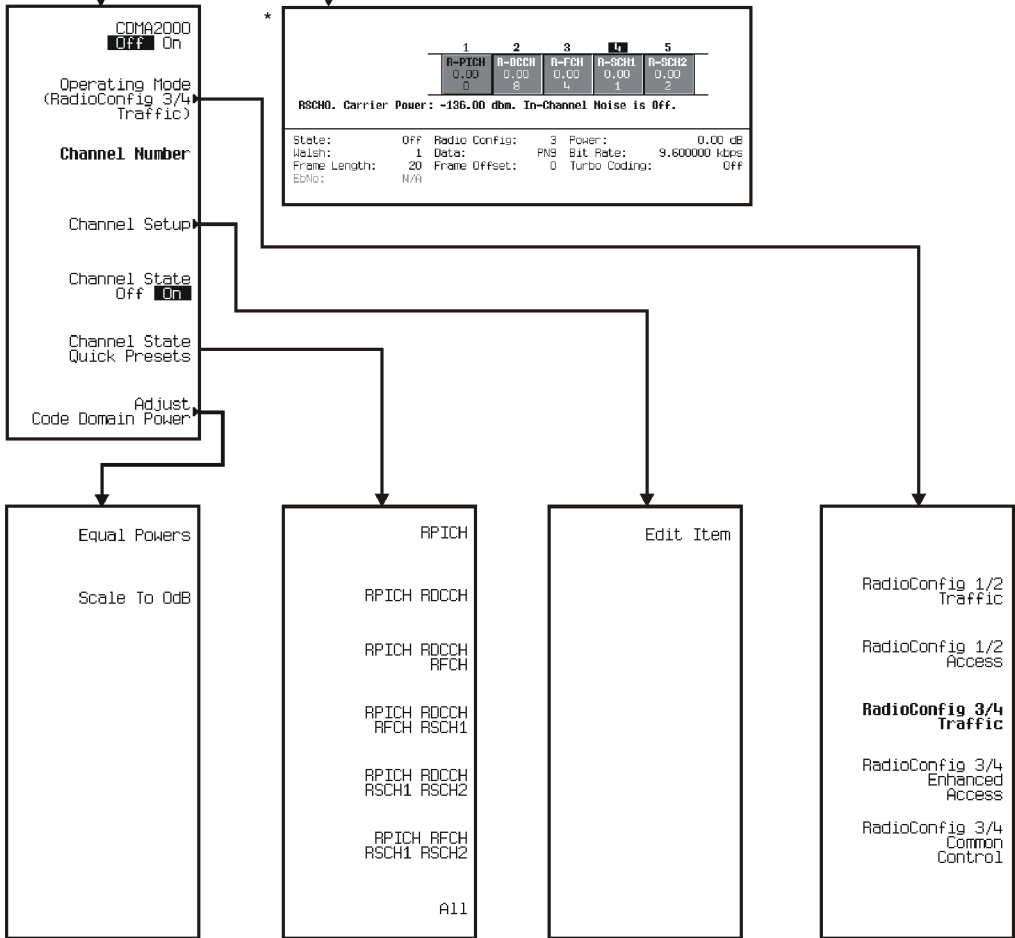
Page 2 of 6



* Changes according to filter selected.

See Next Page

pk7105c

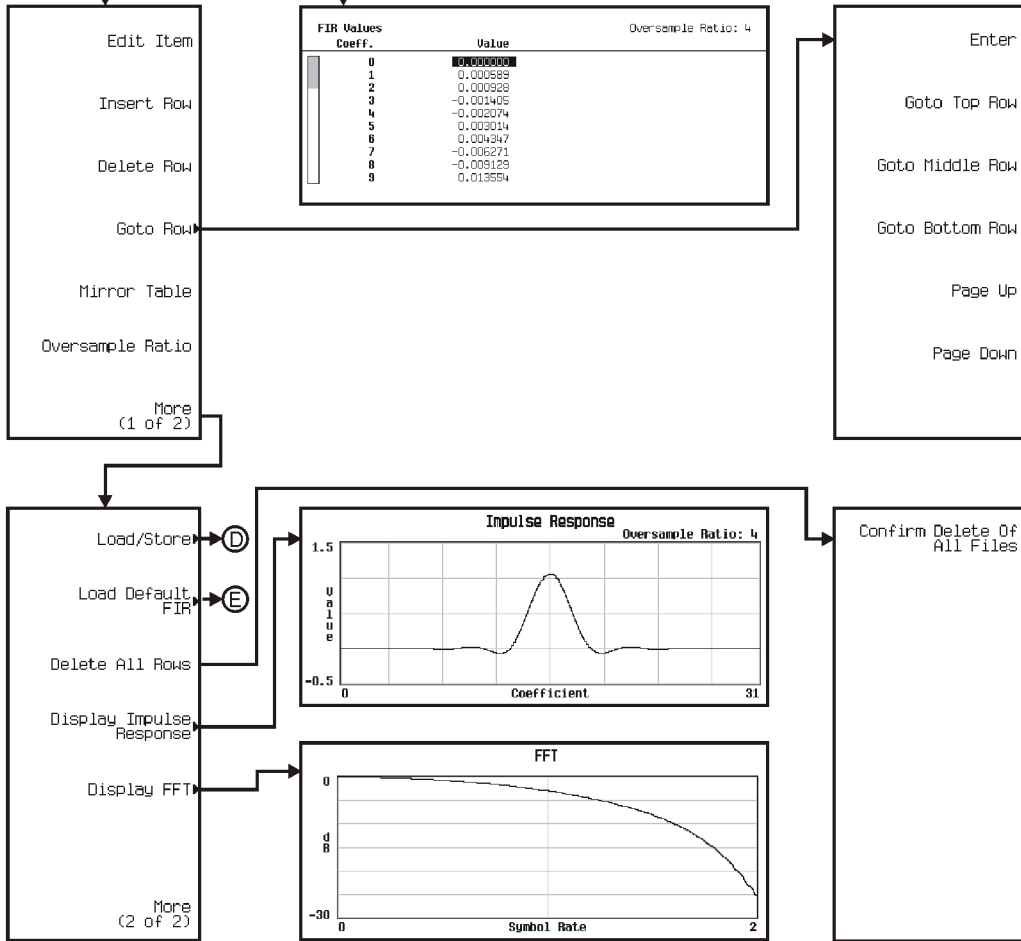


* Data Field will change with channel selection.

See Next Page **C**

Key and Data Field Menu Maps
CDMA

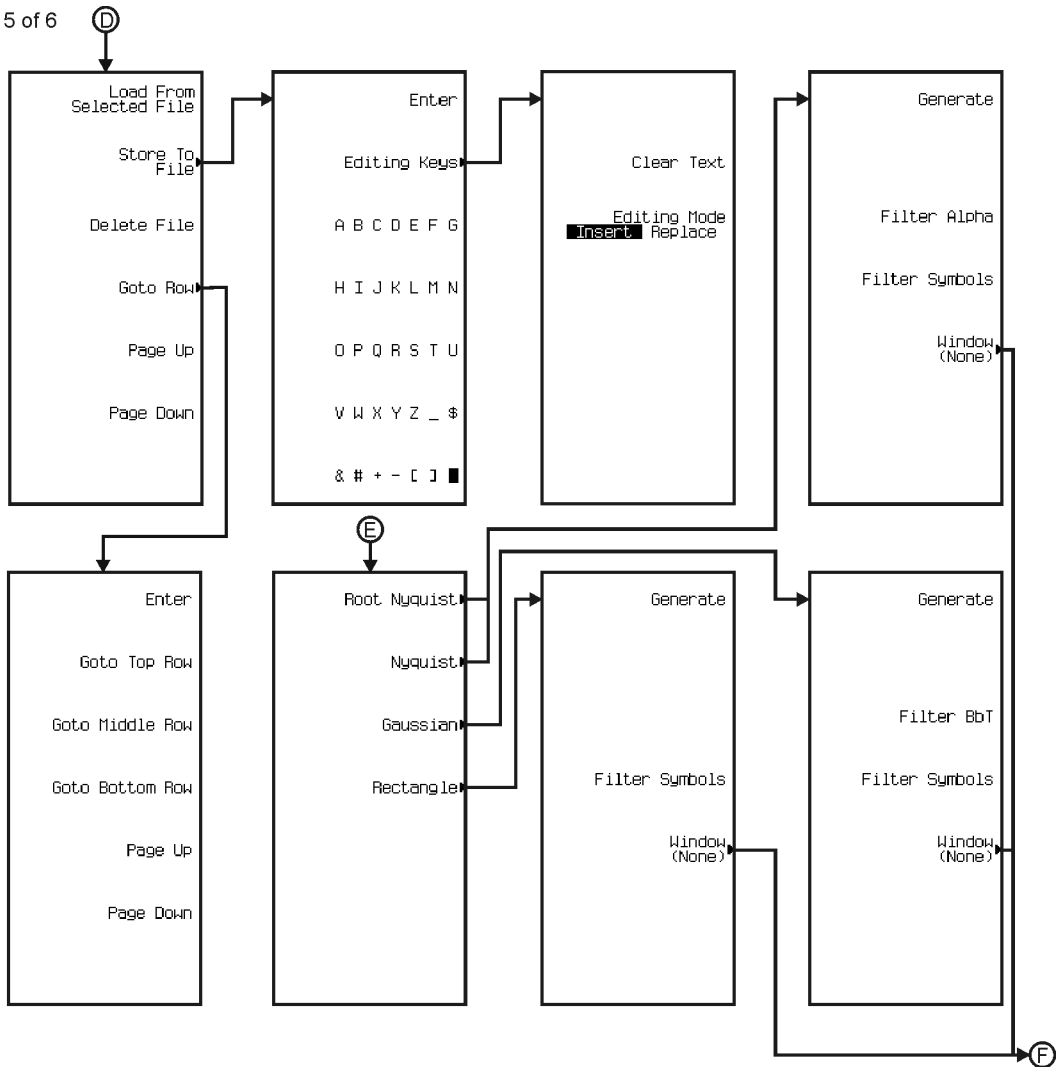
Page 4 of 6 **C**



D and **E**
See Next Page

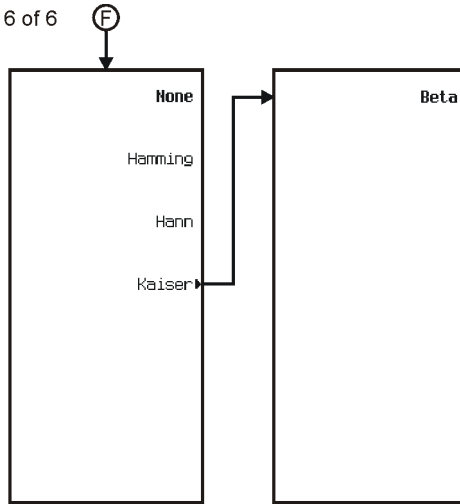
pk7106c

Page 5 of 6



pk7107c

Page 6 of 6



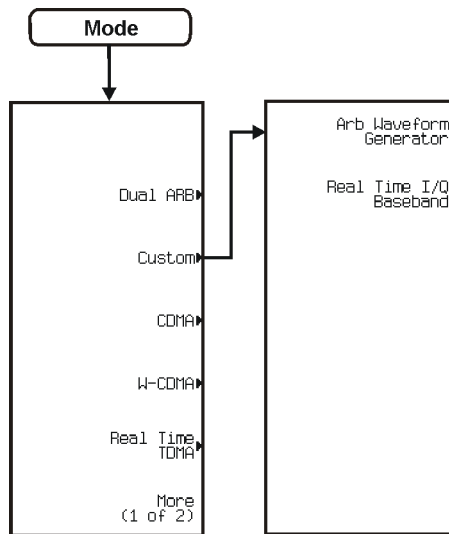
pk7108c

Custom

The Custom personality is accessed by pressing the **Mode** hardkey.

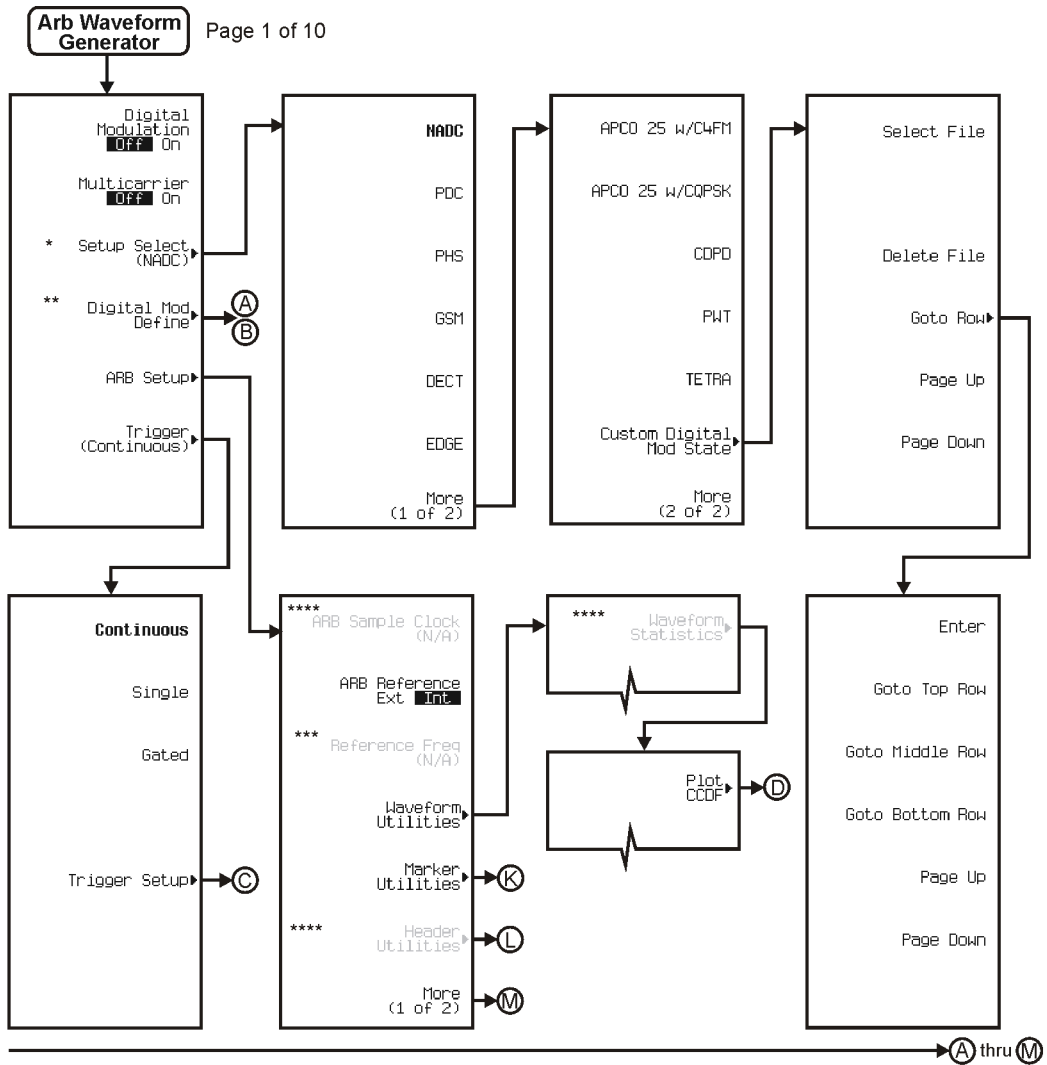
The Custom menu maps are split into two sections:

- for Arb Waveform Generator go to page 65
- for Real Time I/Q Baseband go to page 74



pk7193c

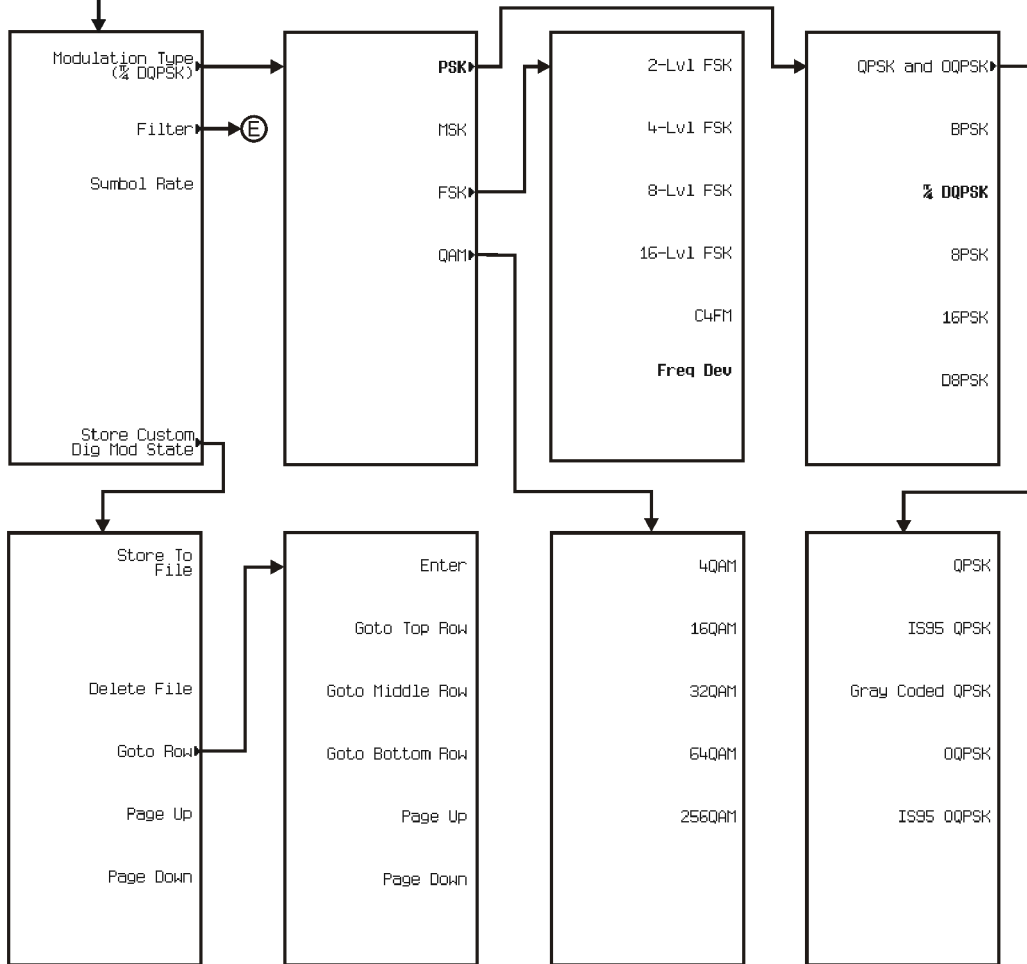
Key and Data Field Menu Maps
Custom



- * This key is not present when Multicarrier is On.
- ** Follow (A) when Multicarrier is Off. Follow (B) when Multicarrier is On.
- *** Active when ARB Reference Ext Int is set to Ext.
- **** Active when Digital Modulation is On.

pk737c

Page 2 of 10 (A)

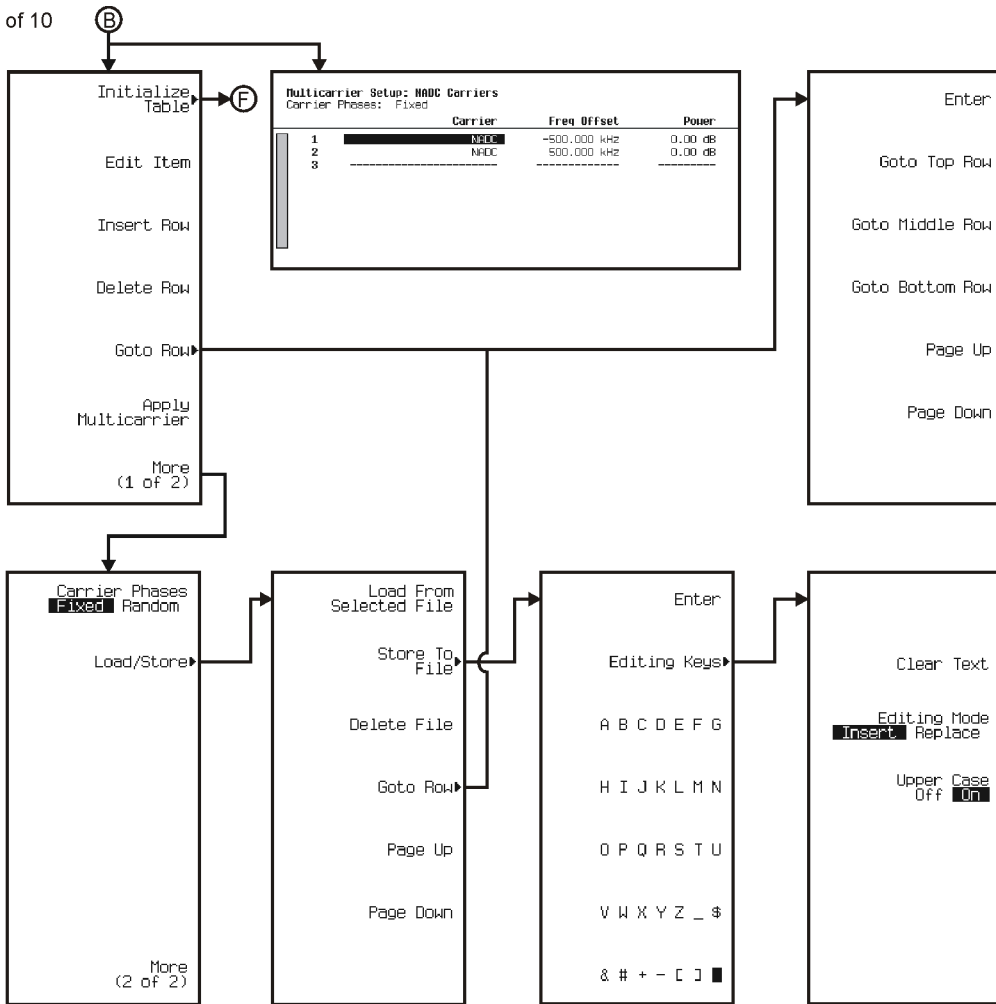


(B) thru (M)

pk738c

Key and Data Field Menu Maps
Custom

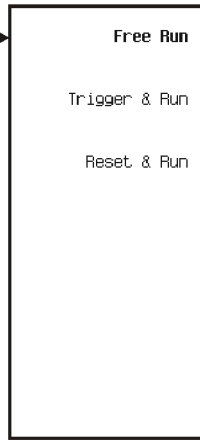
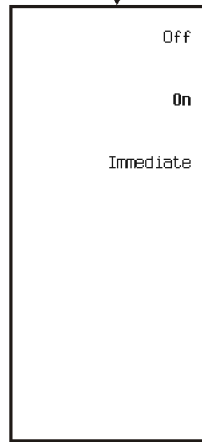
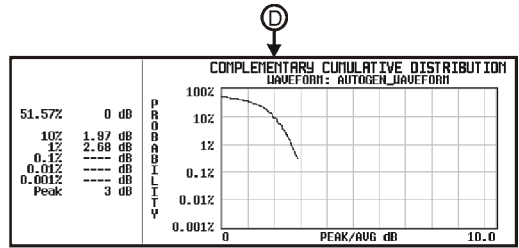
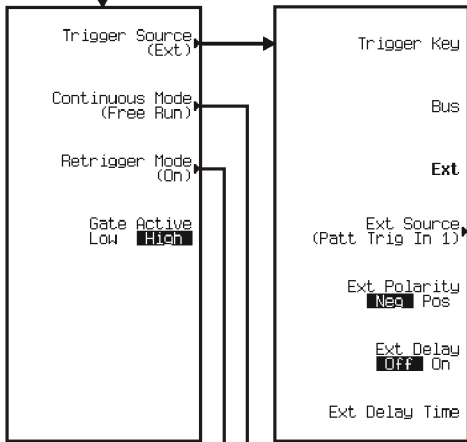
Page 3 of 10



→ C thru M

pk7179c

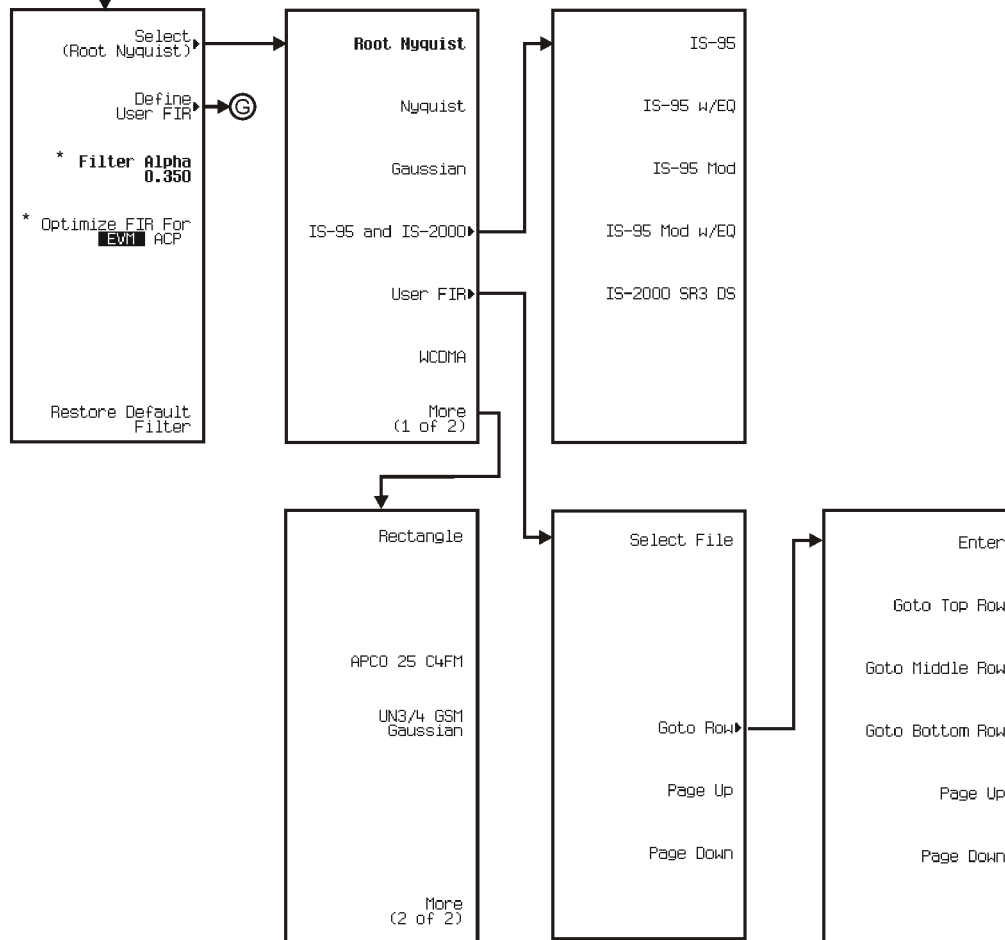
Page 4 of 10 **C**



→ **E** thru **M**

pk739c

Page 5 of 10 **E**

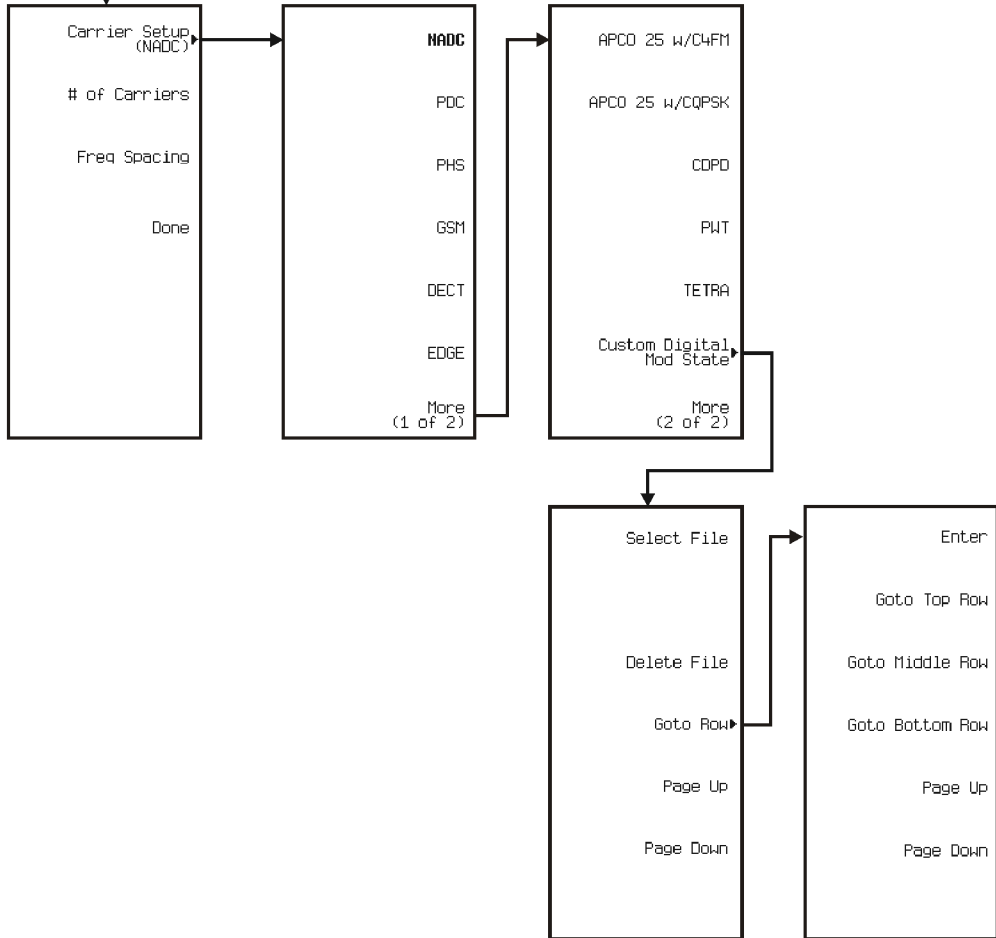


* Changes according to filter selected.

F thru **M**


pk740c

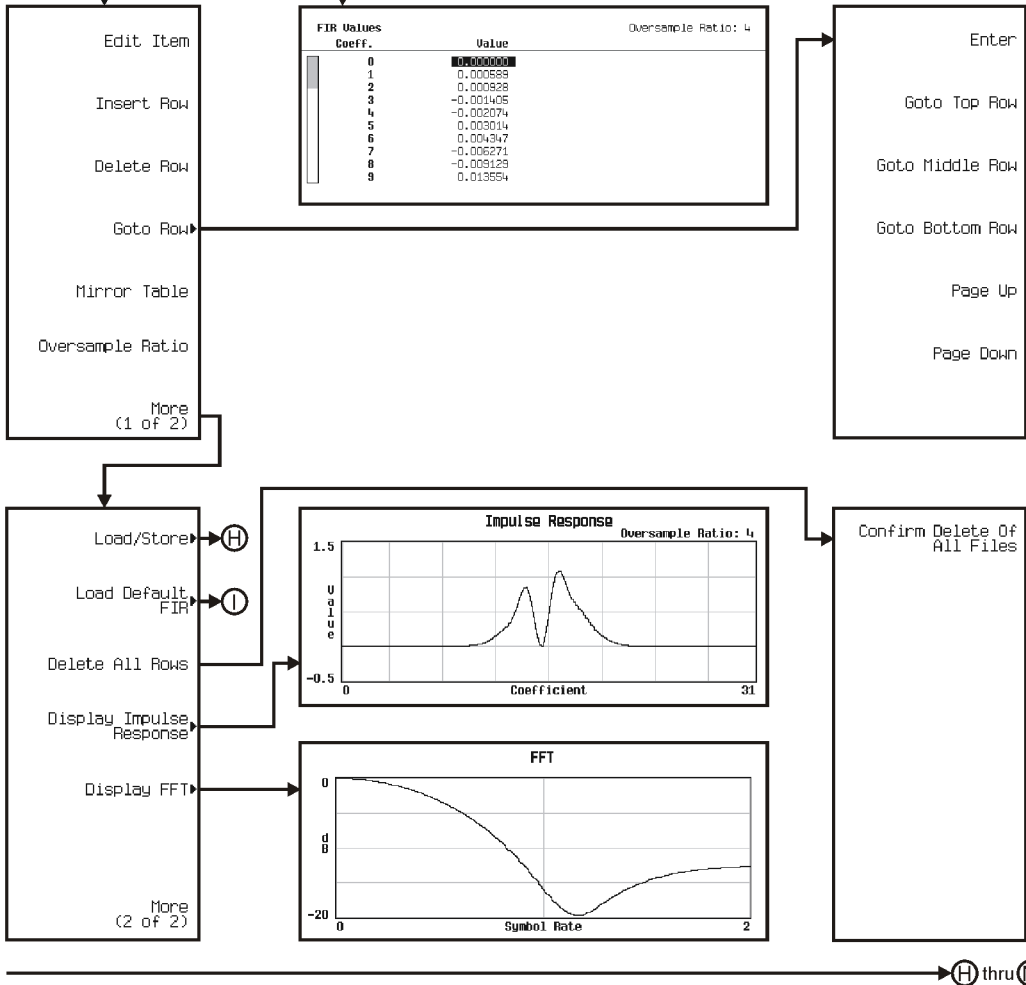
Page 6 of 10 (F)



pk741c

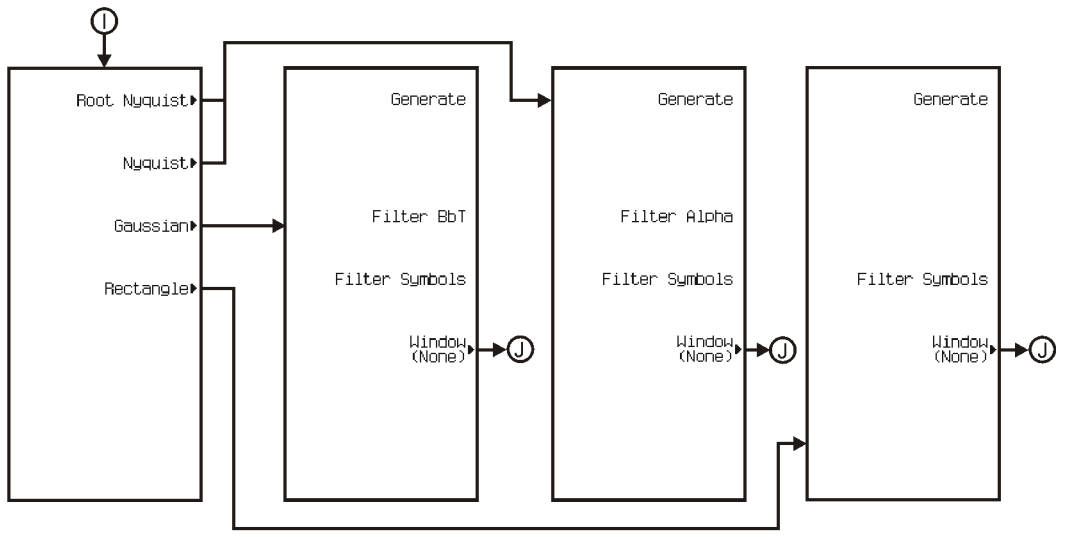
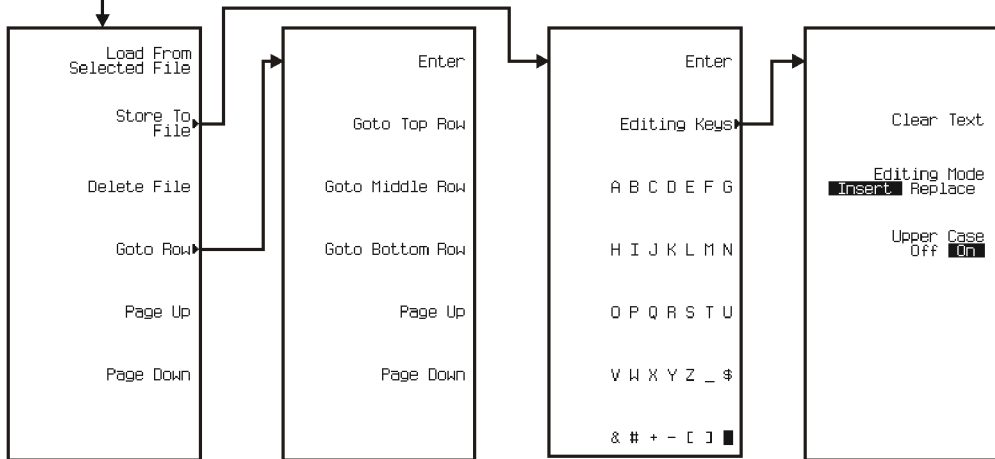
Key and Data Field Menu Maps
Custom

Page 7 of 10 



pk742c

Page 8 of 10 (H)

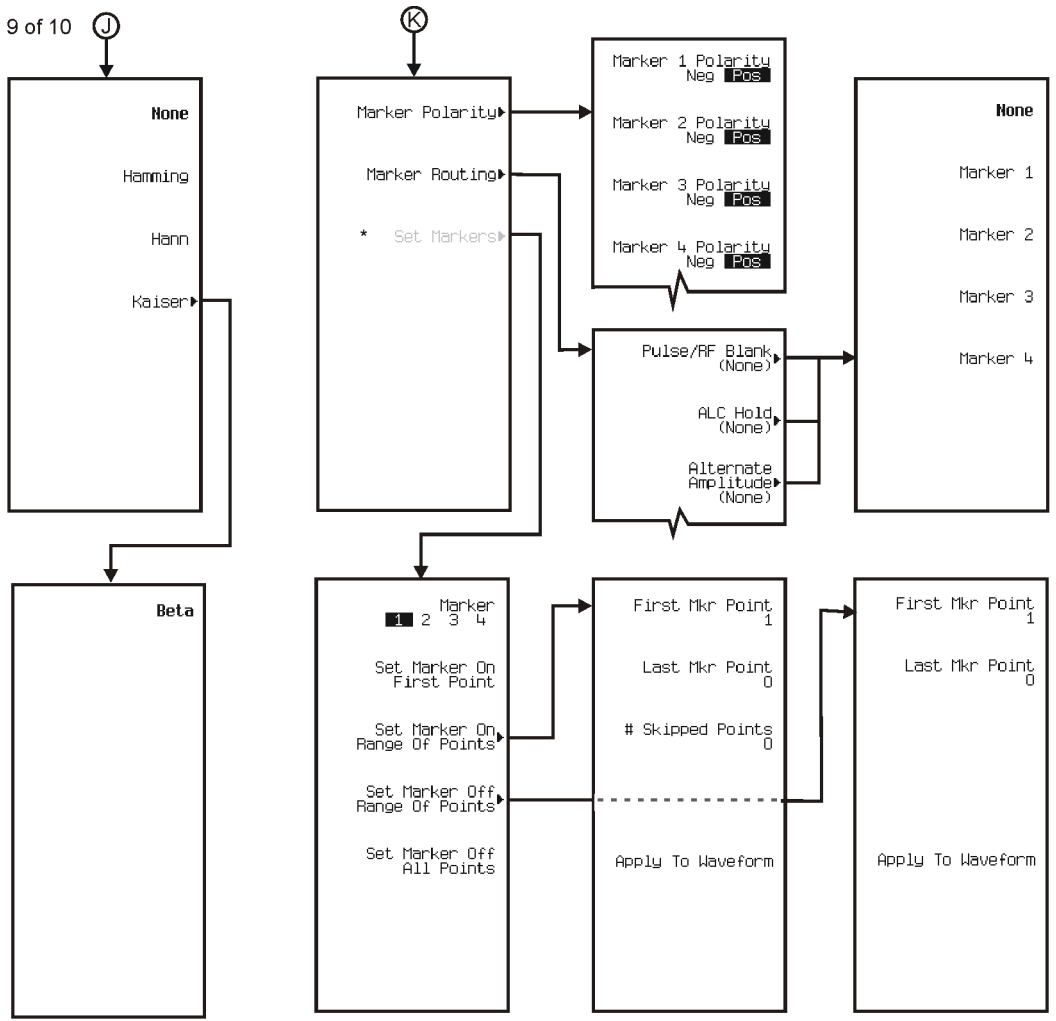


→ (J) thru (M)

nk7180c

Key and Data Field Menu Maps
Custom

Page 9 of 10

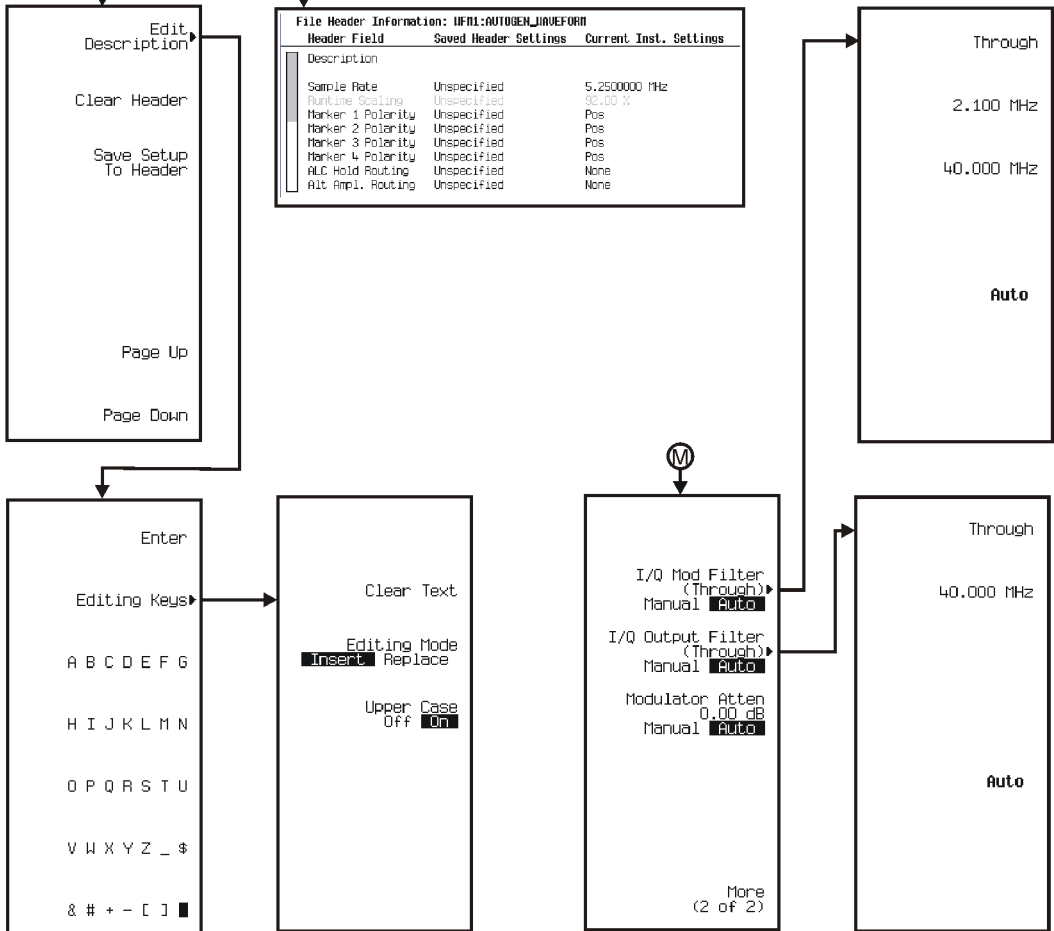


→ L and M

* Active when Digital Modulation is on.

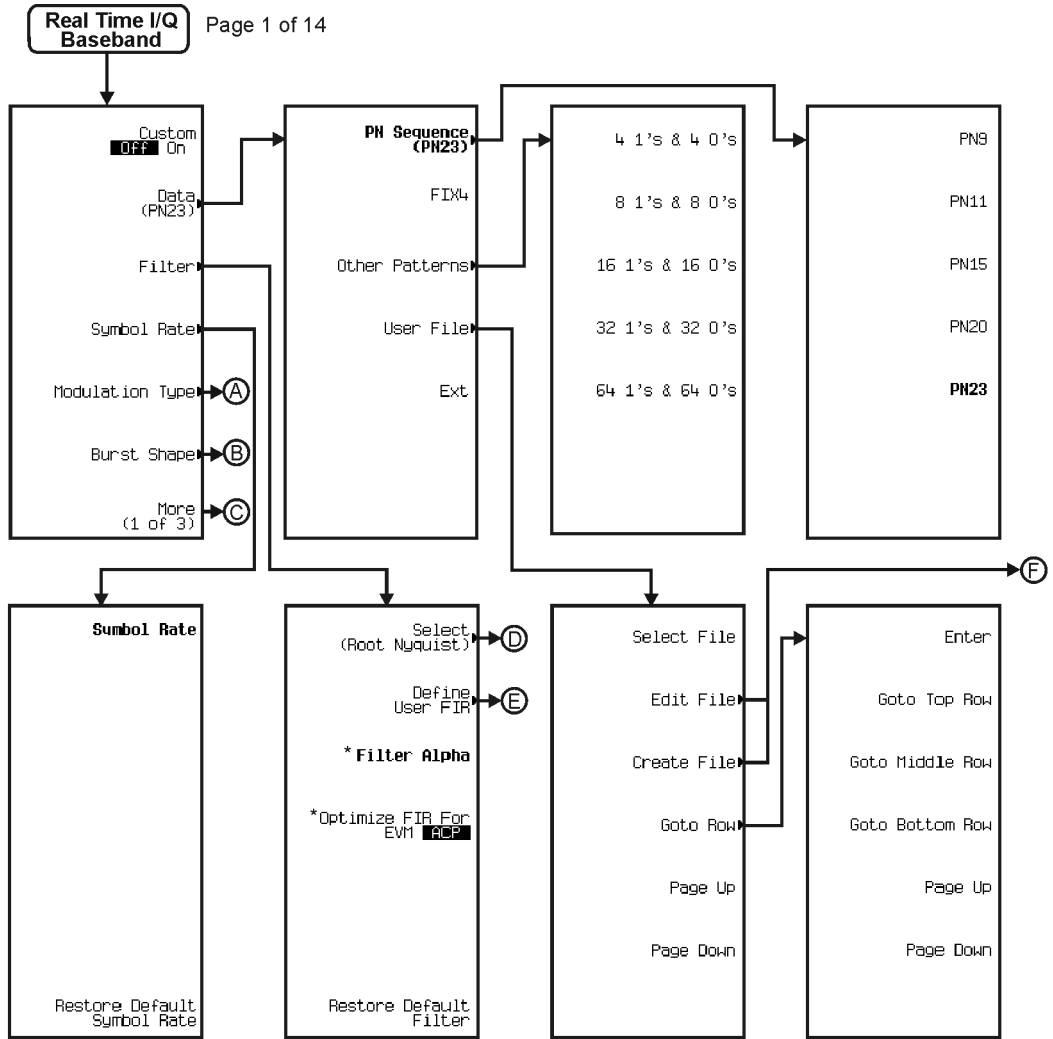
pk7181c

Page 10 of 10 **L**



arb10_hdr-utly

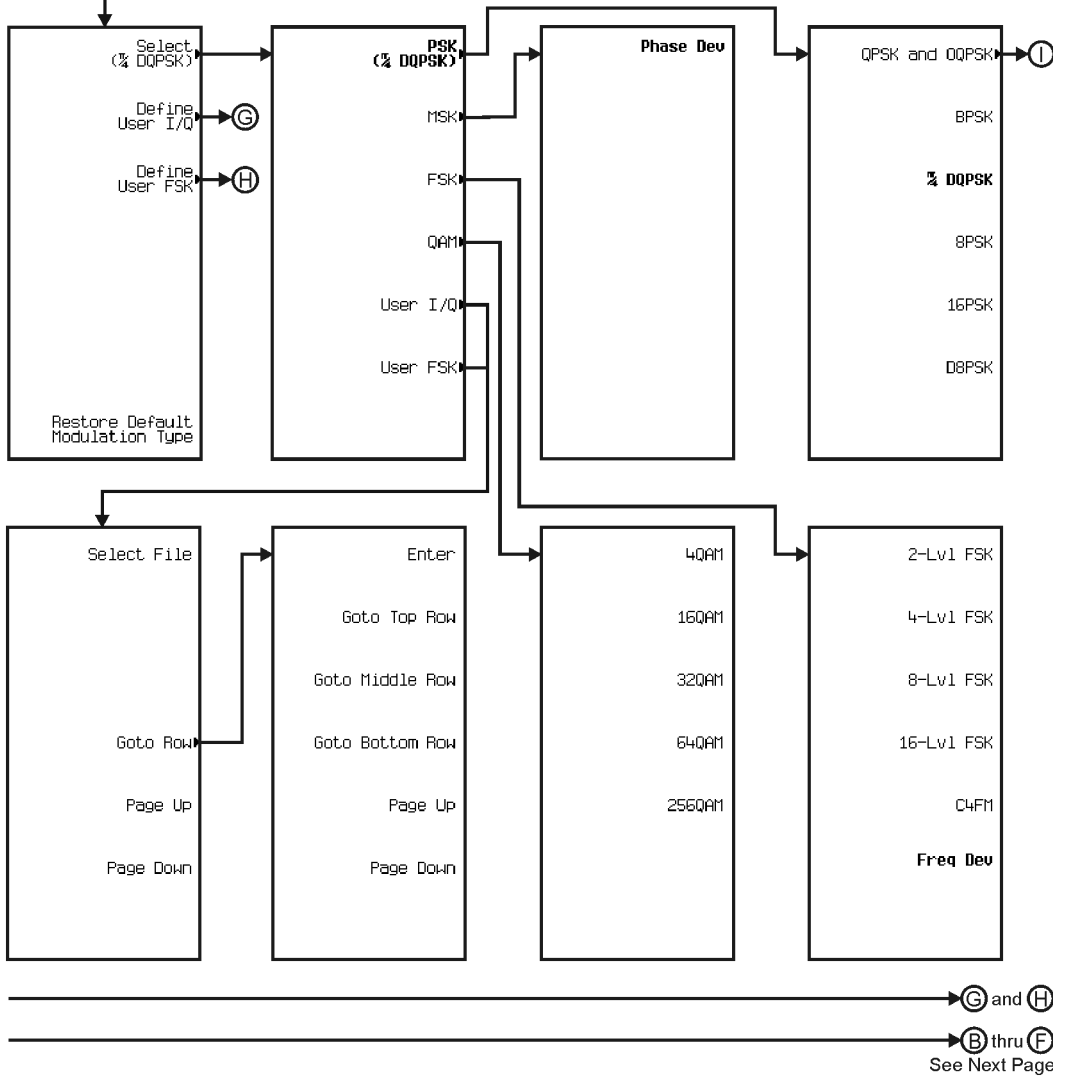
Key and Data Field Menu Maps
Custom



* Changes according to filter selected. ➔ (A) thru (E)
See Next Page

pk726c

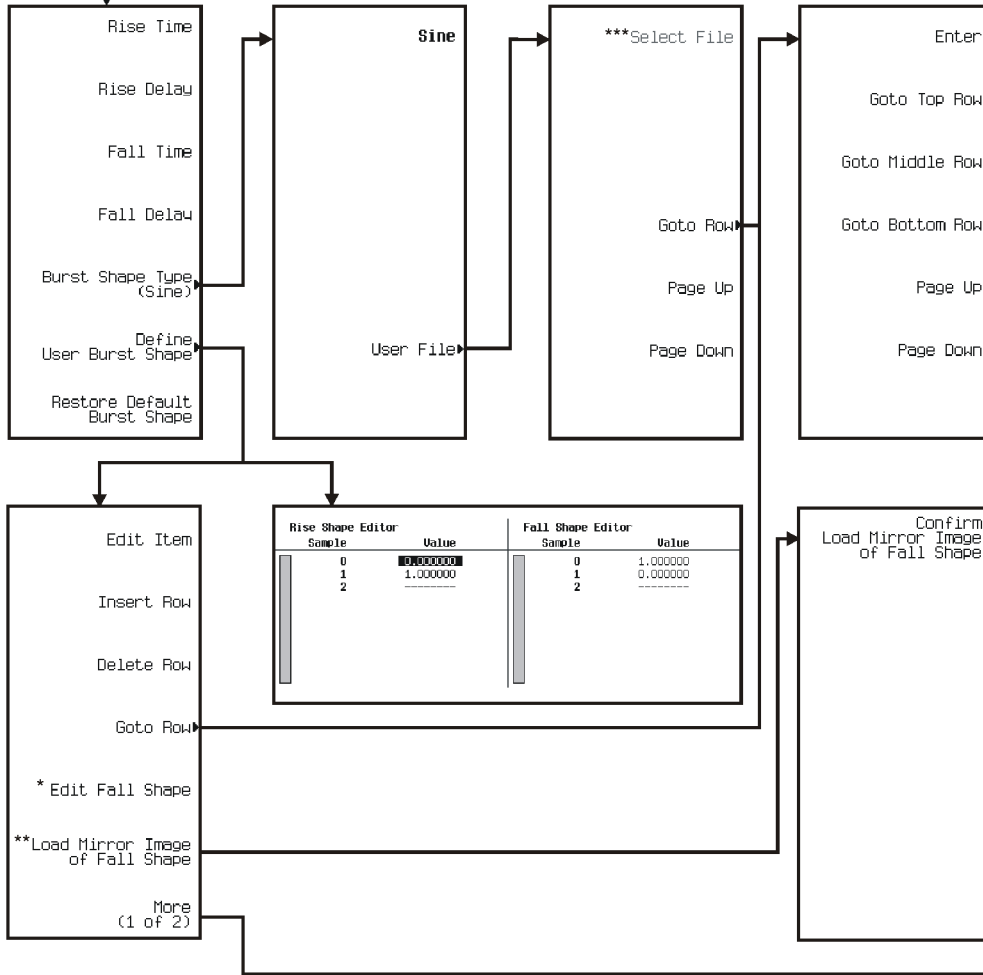
Page 2 of 14 (A)



pk727c

Key and Data Field Menu Maps
Custom

Page 3 of 14 (B)

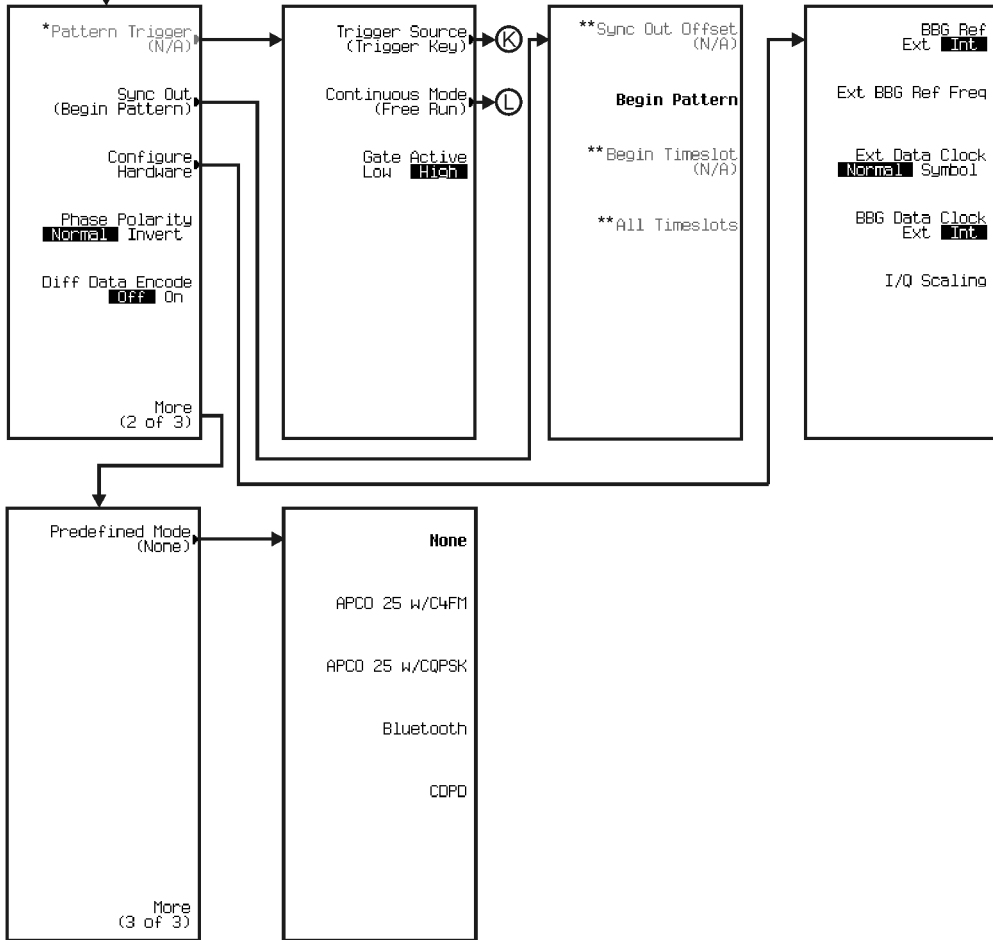


* This key changes to **Edit Rise Shape** when pressed.
 ** When **Edit Fall Shape** is pressed this key changes to **Load Mirror Image of Rise Shape**.
 *** For this key to be active, there must be a file to select.

(J) thru (I)
 See Next Page

pk728c

Page 4 of 14 ©



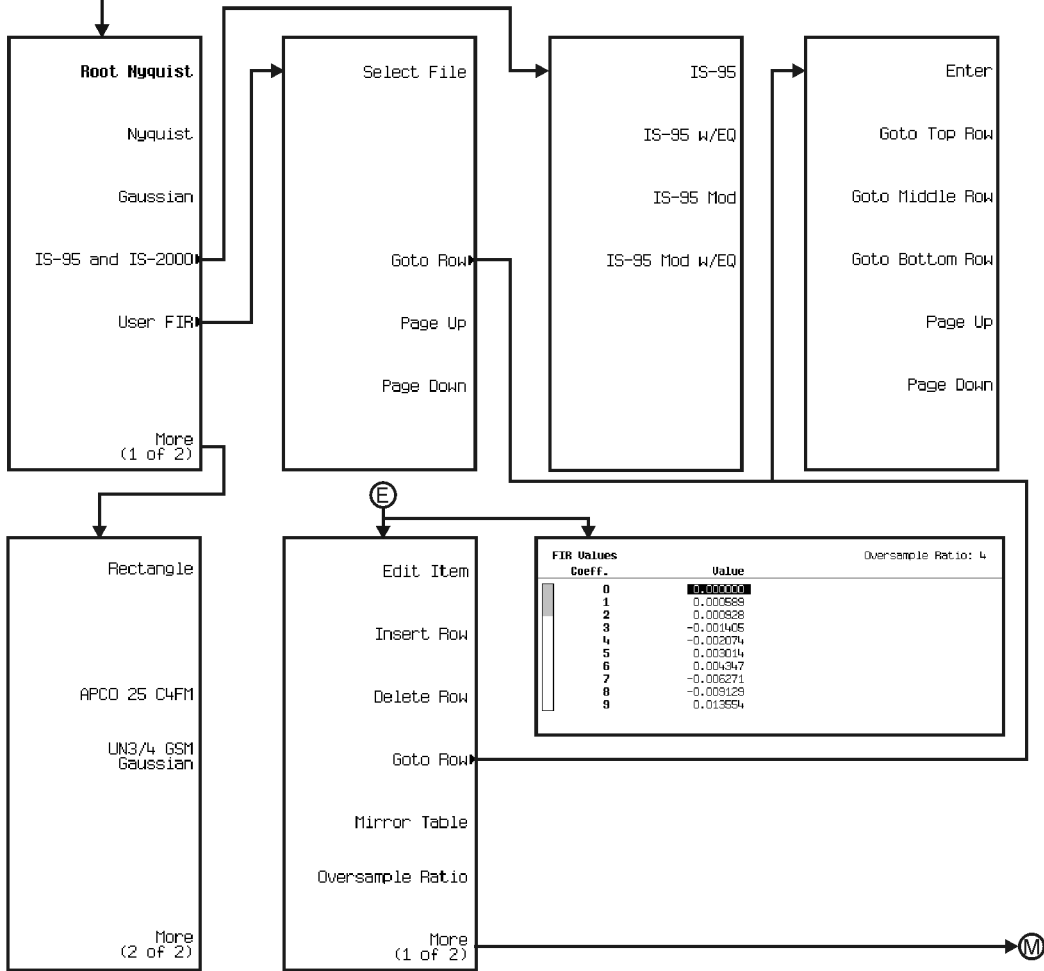
* To activate a repeating sequence must be selected.
 ** These keys are not available in the Custom personality.

→ K and L
 → D thru J
 See Next Page

pk729c

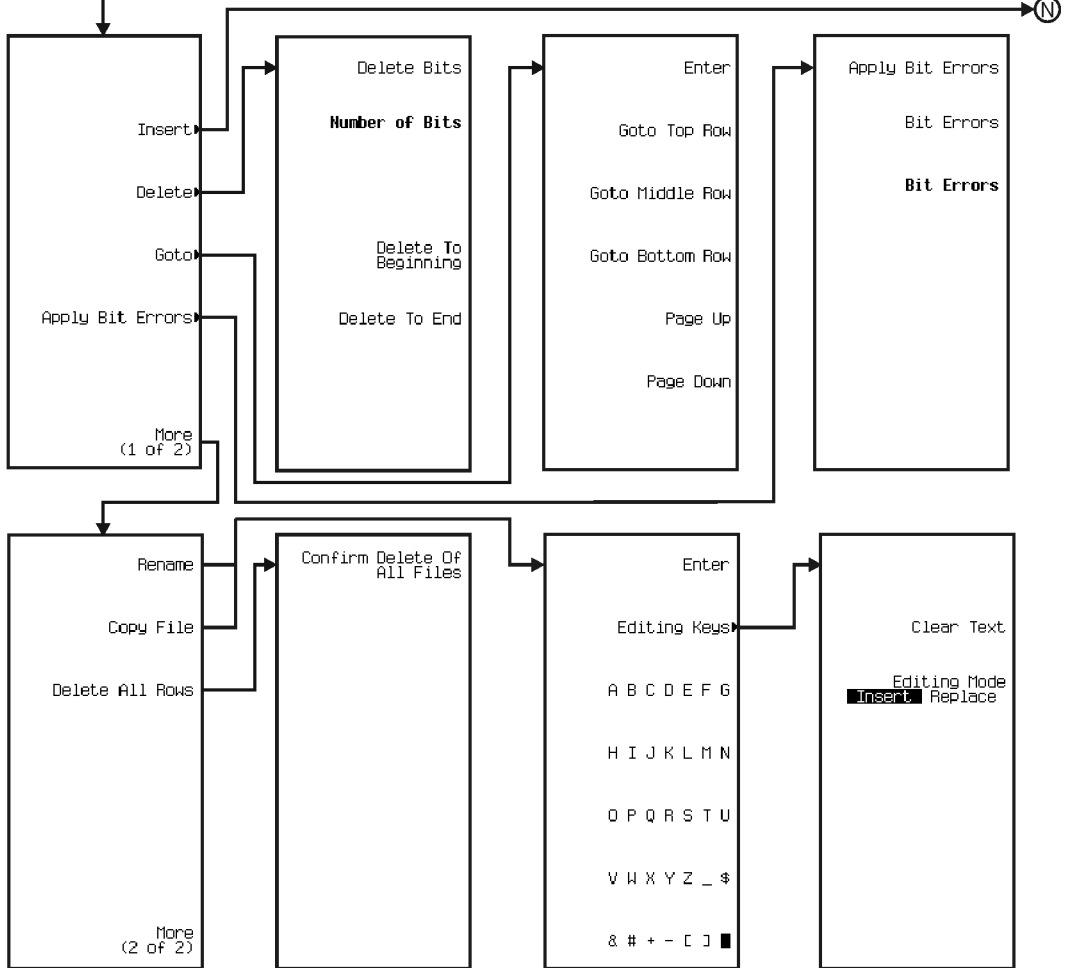
Key and Data Field Menu Maps
Custom

Page 5 of 14 **D**



F thru **L**
 See Next Page

Page 6 of 14 (F)

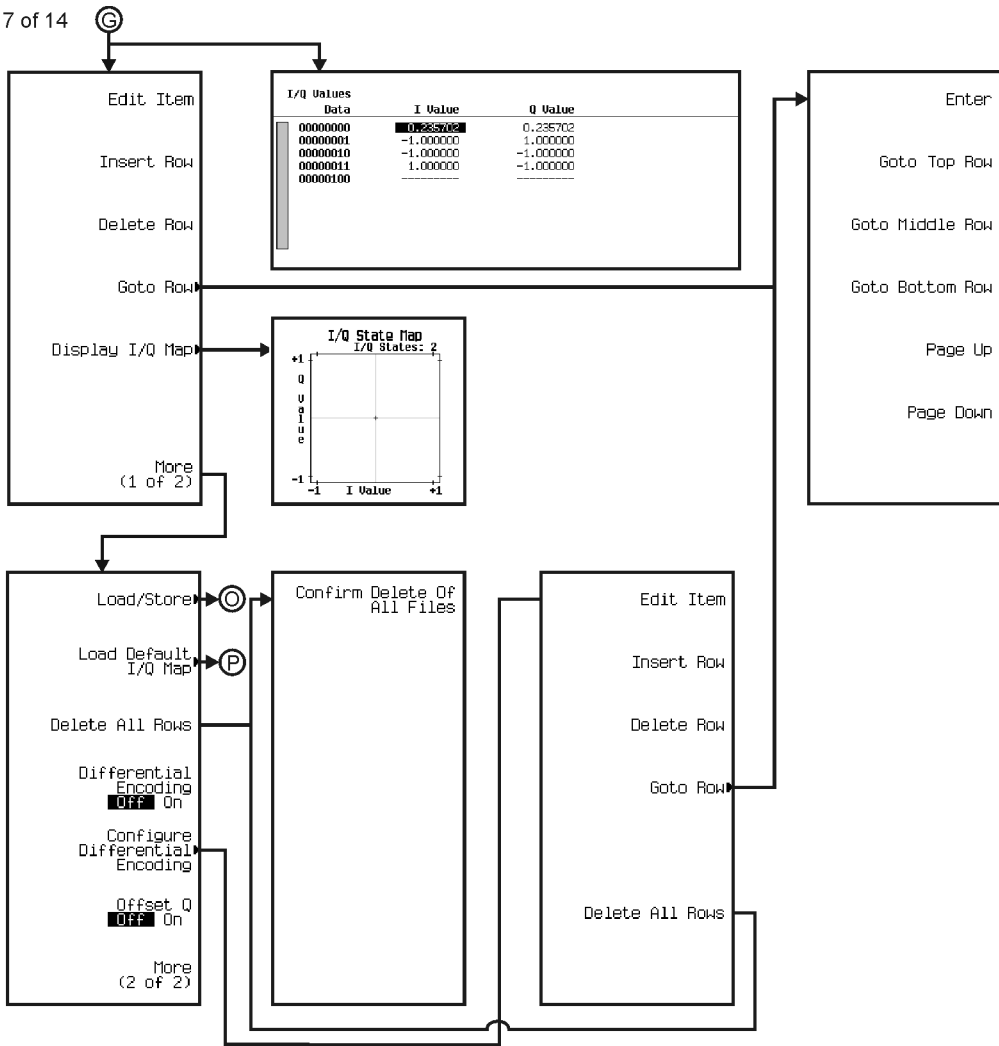


(G) thru (M)
See Next Page

pk731c

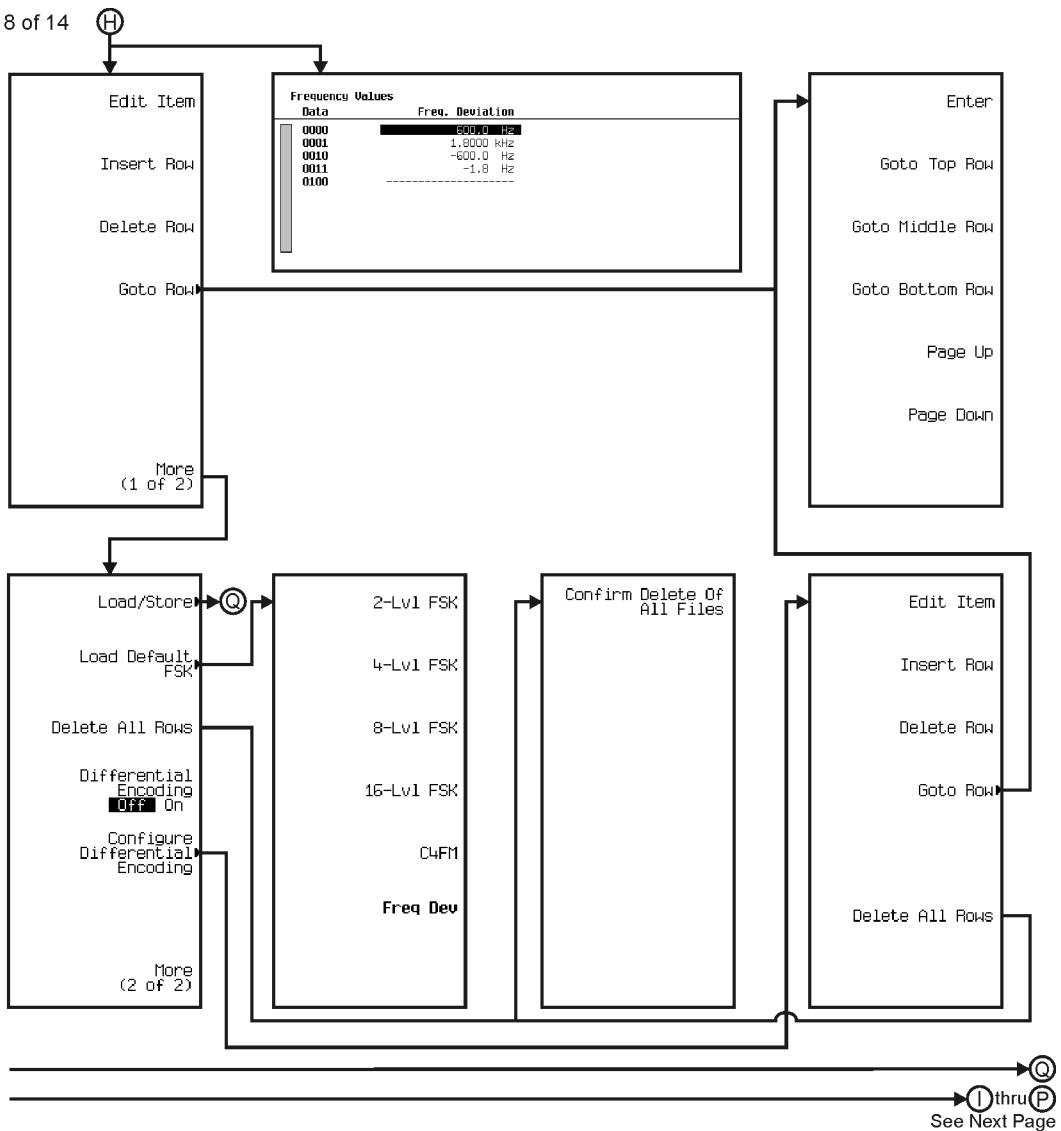
Key and Data Field Menu Maps
Custom

Page 7 of 14



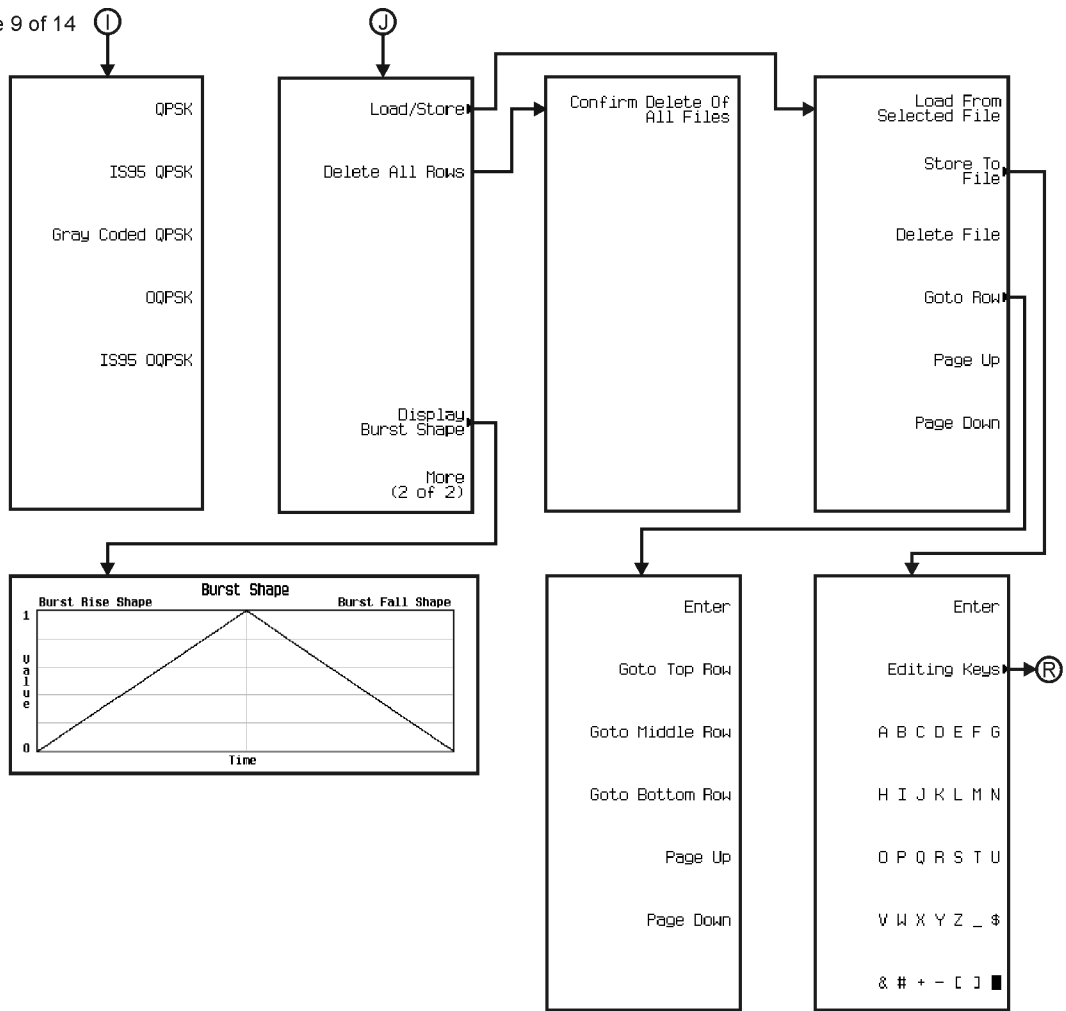
⓪ and Ⓟ
 Ⓜ thru Ⓝ
 See Next Page

pk732c



Key and Data Field Menu Maps
Custom

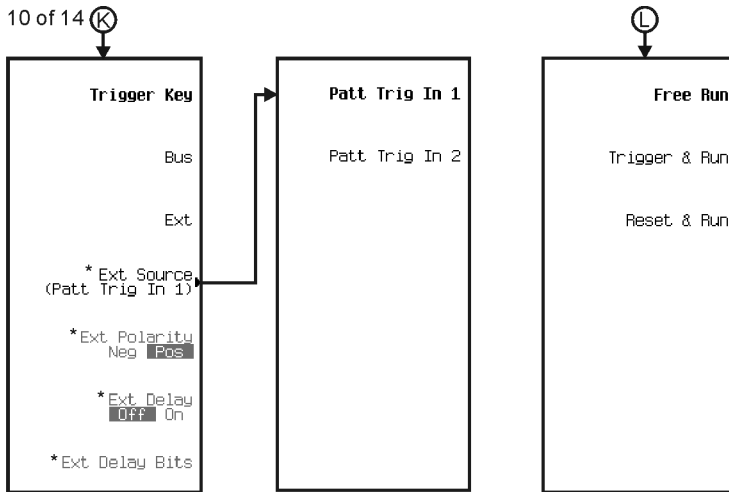
Page 9 of 14



→ (K) thru (Q)
 See Next Page

pk734c

Page 10 of 14 (K)



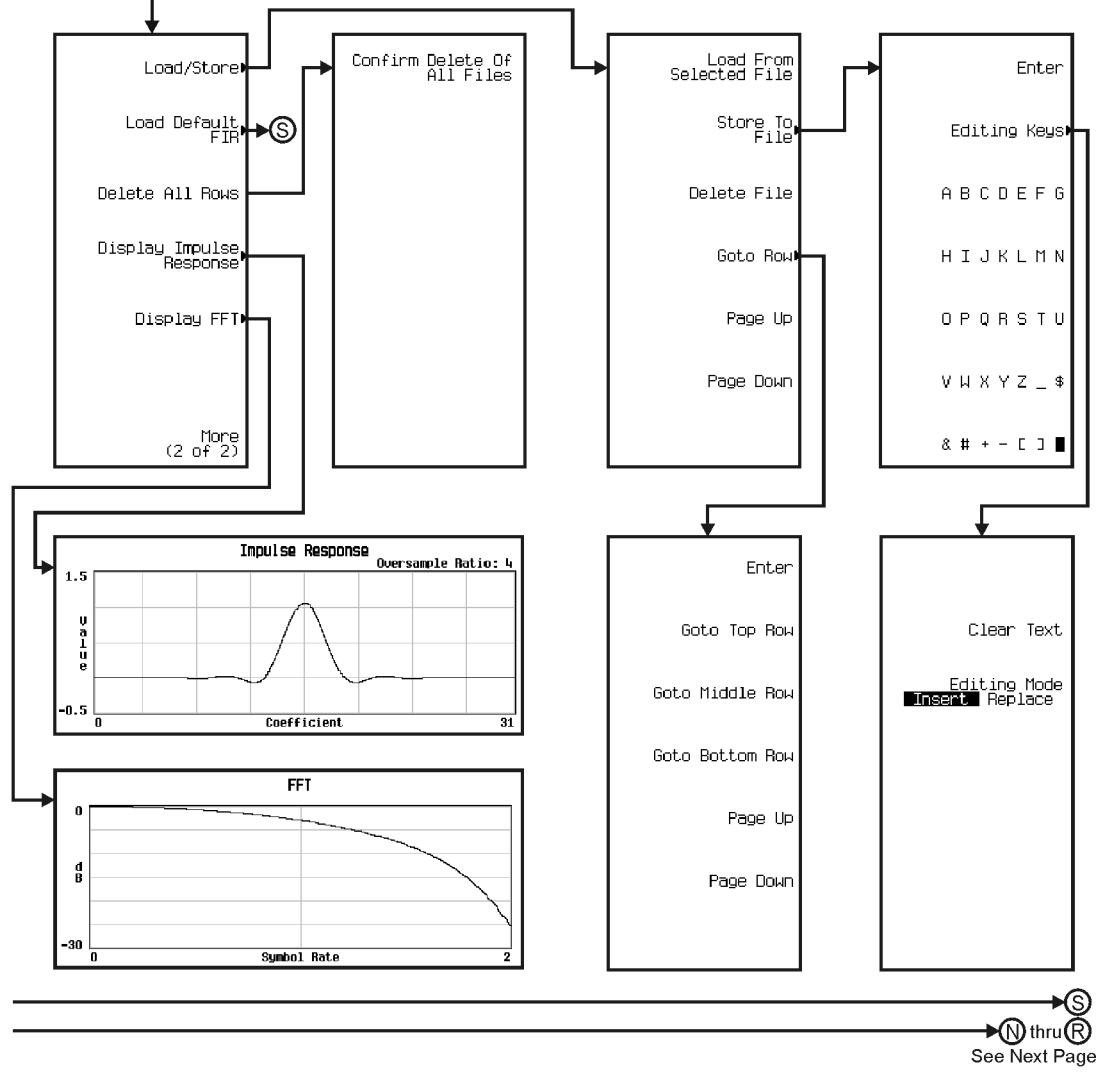
* Activate by pressing **Ext**.

(M) thru (R)
See Next Page

pk7182c

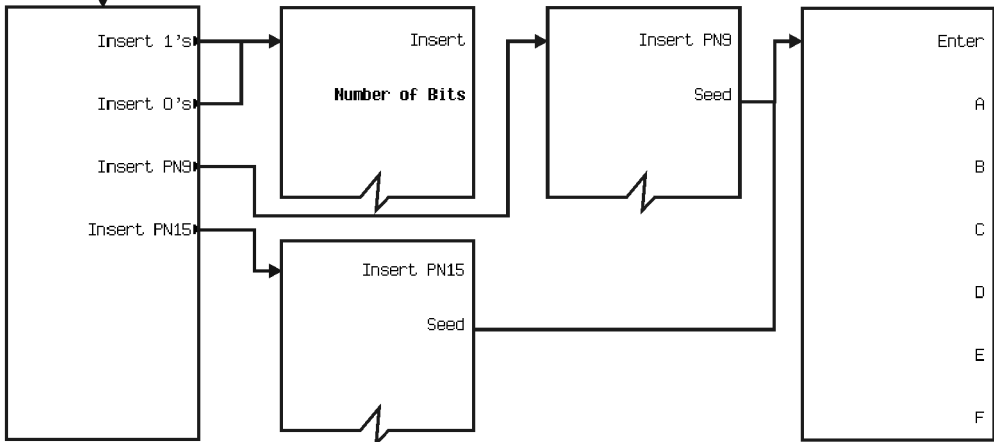
Key and Data Field Menu Maps
Custom

Page 11 of 14 (M)

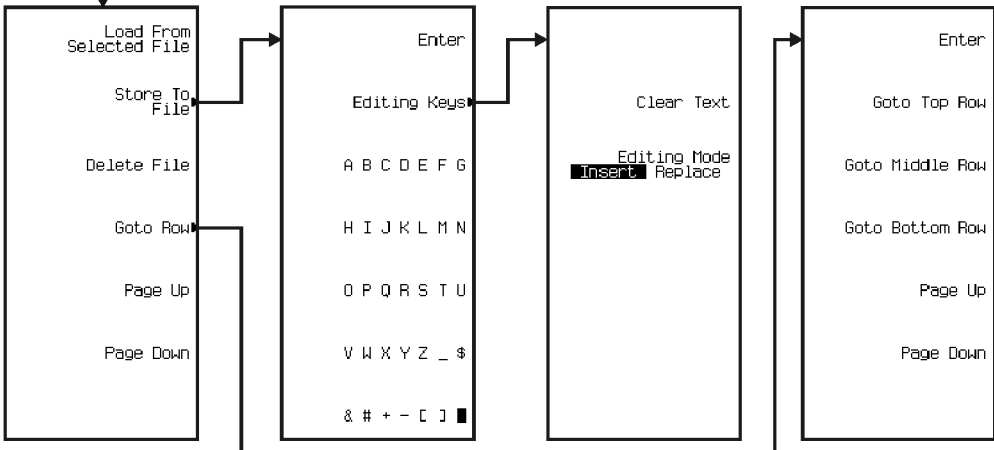


pk735c

Page 12 of 14 N



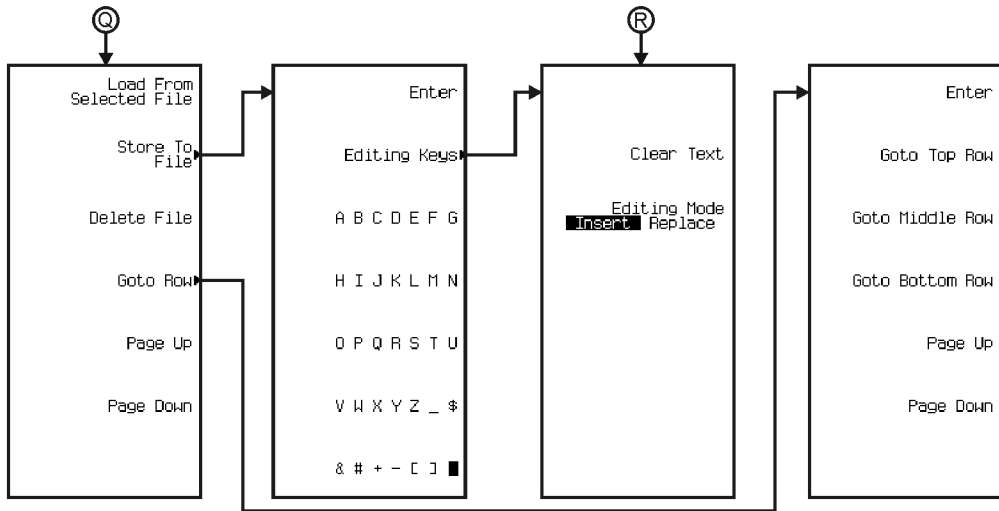
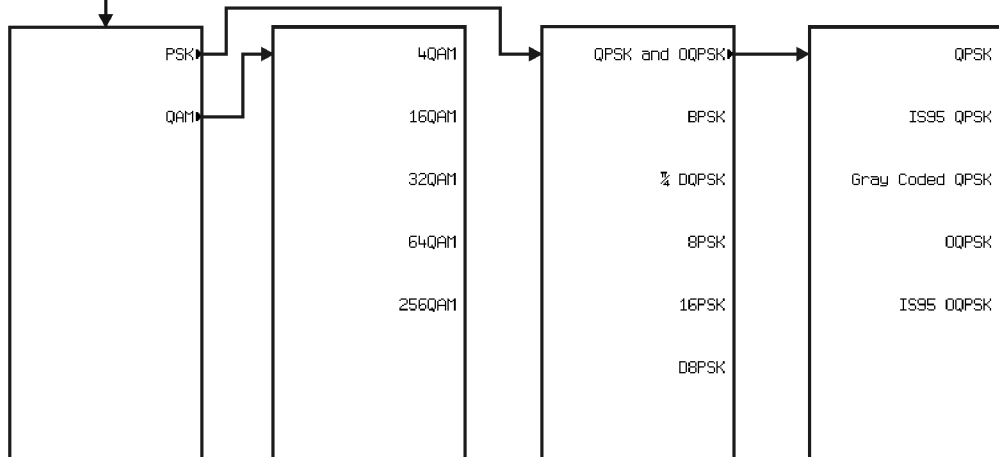
O



➔ P thru S
 See Next Page

Key and Data Field Menu Maps
Custom

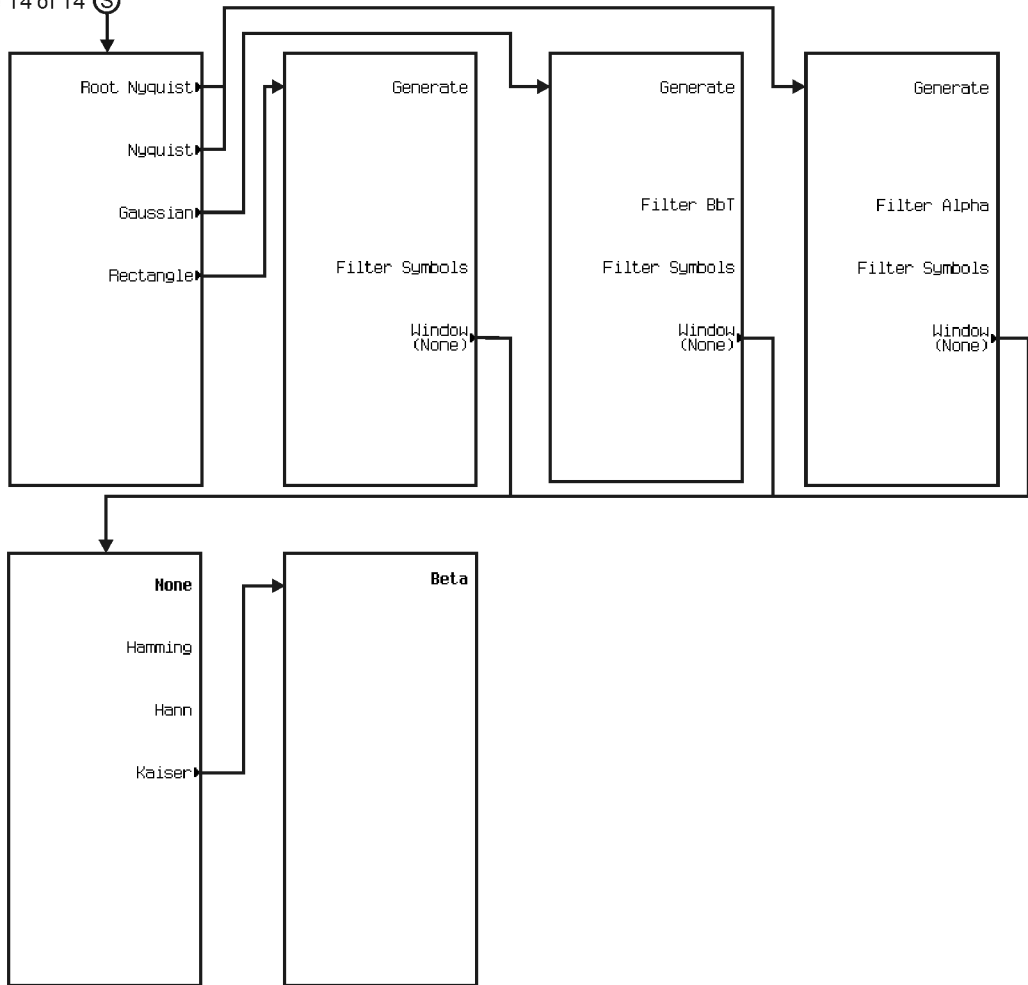
Page 13 of 14 (P)



See Next Page (S)

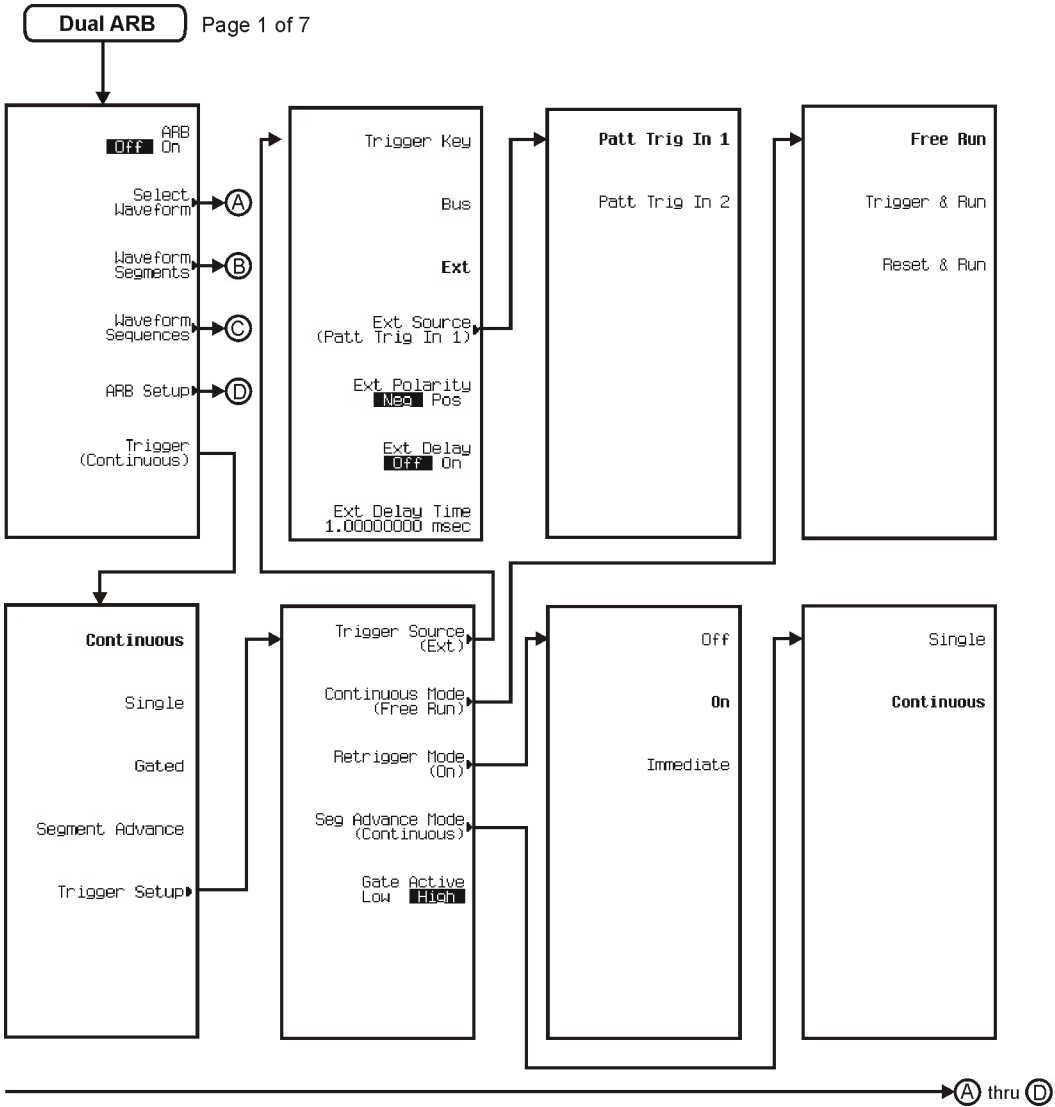
pk7177c

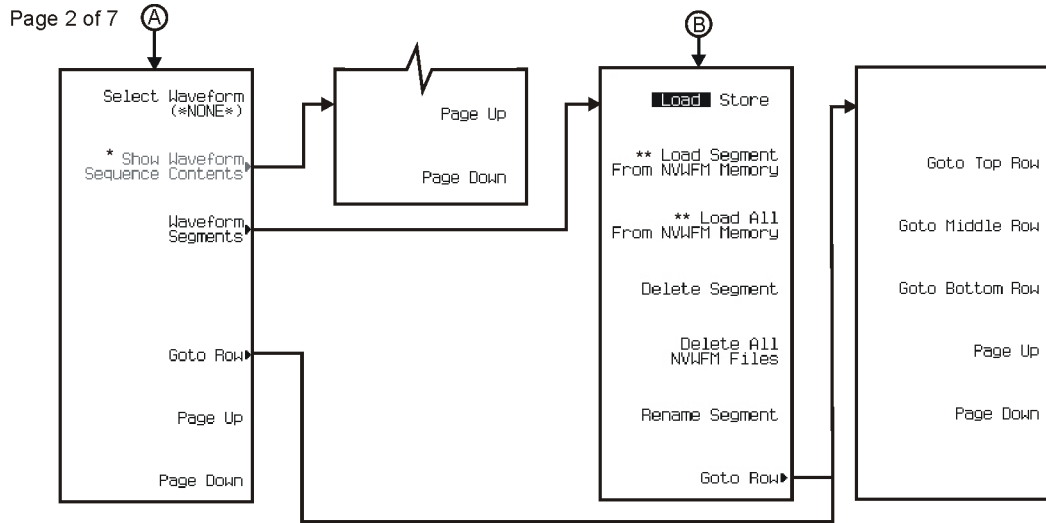
Page 14 of 14 (S)



pk7178c

Dual ARB

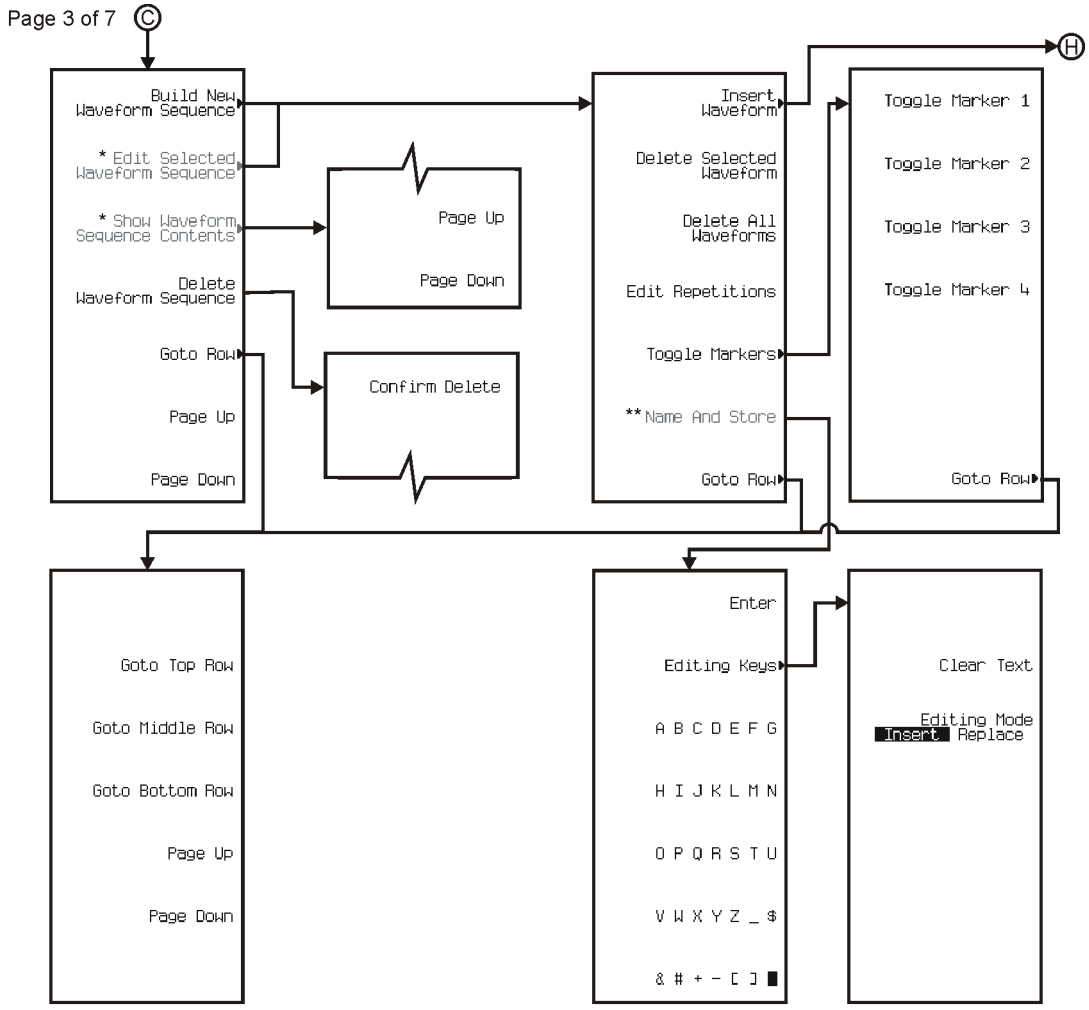




_____ → (E) thru (G)
 _____ → (C)
 See Next Page

* A Waveform Sequence must be present to activate this key.
 ** Switches to Store... when Load Store is set to Store.

Key and Data Field Menu Maps
Dual ARB

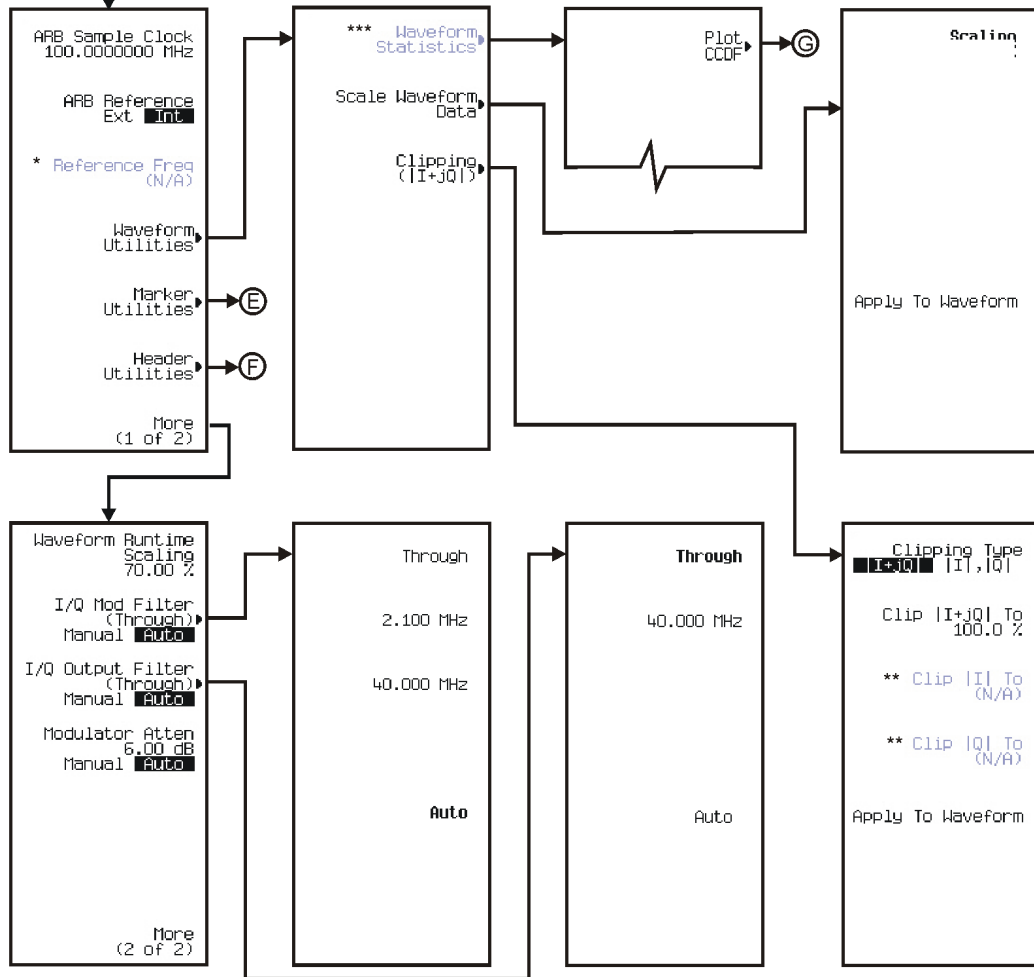


* Active only when a Waveform Sequence is present.
** Active for **Edit Selected Waveform Sequence**.

© thru ©
See Next Page

31_pk717c

Page 4 of 7 D



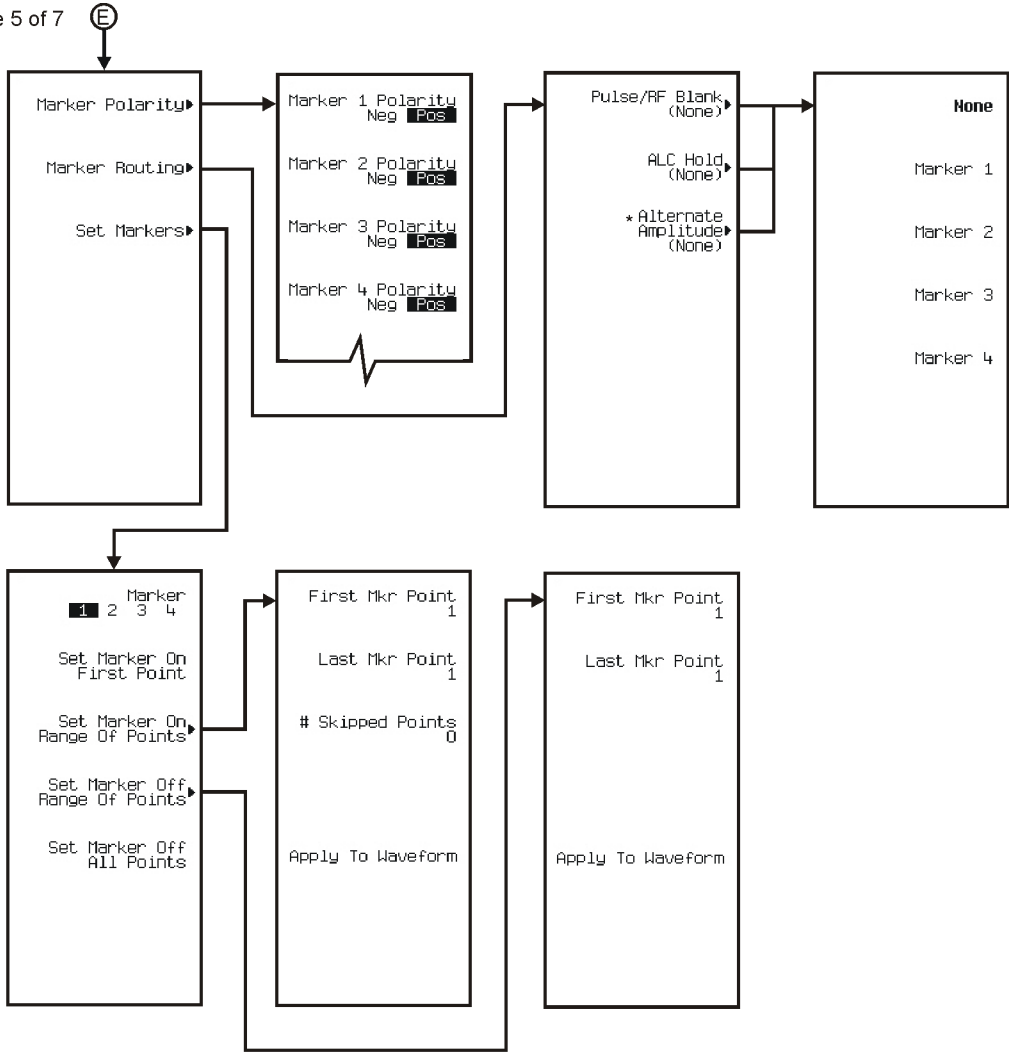
E
See Next Page

- * Active when **ARB Reference Ext Int** is set to **Ext**.
- ** Active when **Clipping Type** $|I+jQ|$ $|I|,|Q|$ is set to $|I|,|Q|$.
- *** Active when Dual ARB generator option is turned on.
- ****Inactive when **Clipping Type** $|I+jQ|$ $|I|,|Q|$ is set to $|I|,|Q|$.

31_pk718c

Key and Data Field Menu Maps
Dual ARB

Page 5 of 7

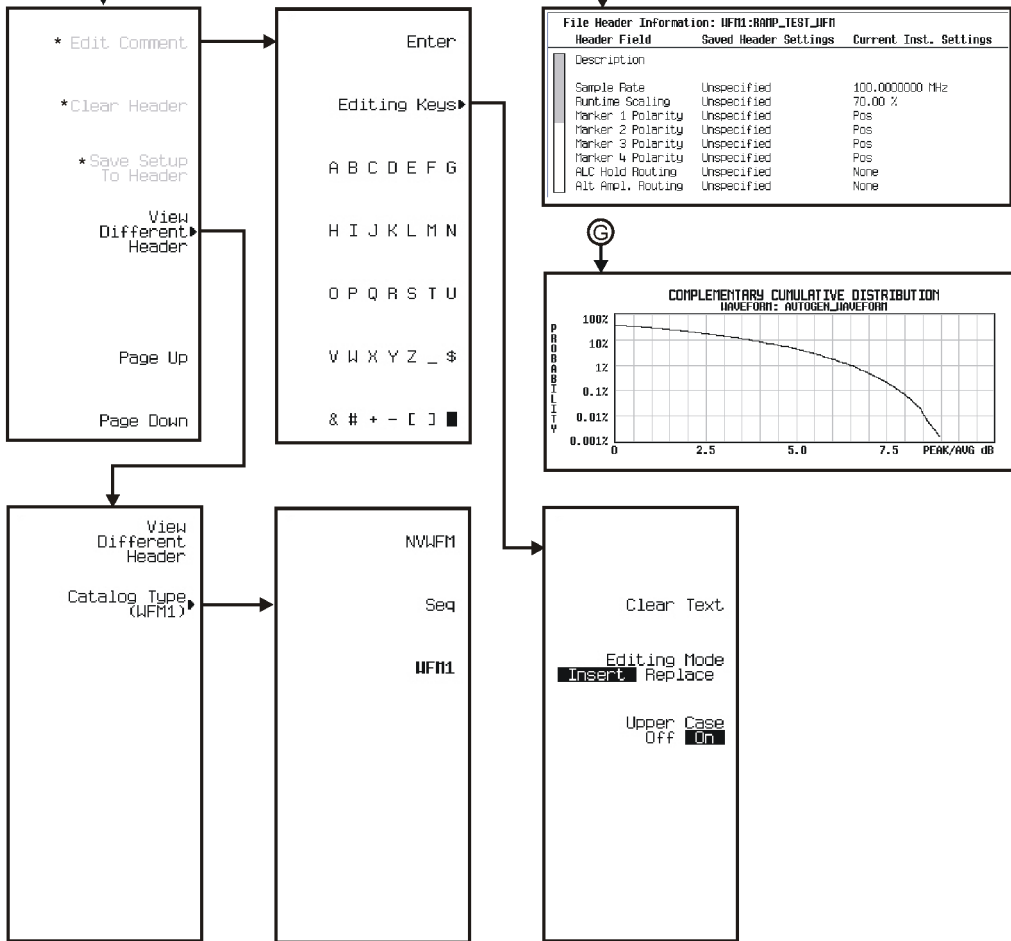


➔ (F) And (G) See next page

* This key only available with signal generators with an electronic attenuator.

Pk719c

Page 6 of 7 **F**

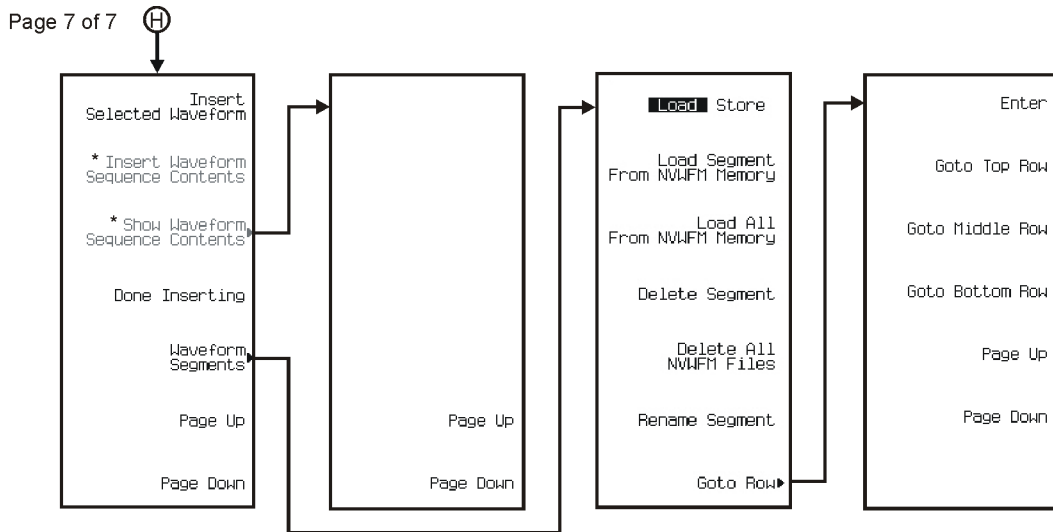


H See next page

* Active when a waveform is selected and **ARB** is set to **On**.

31_pk720c

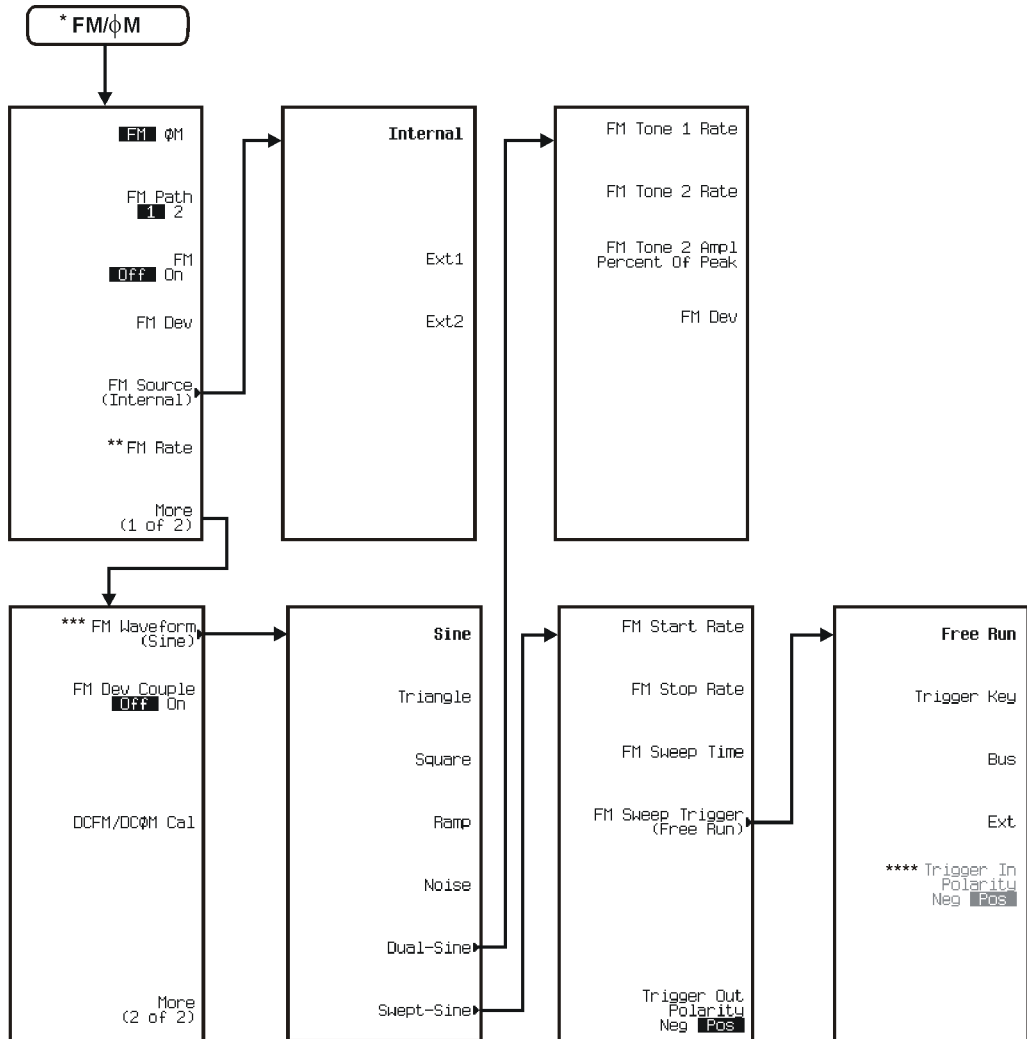
Key and Data Field Menu Maps
Dual ARB



* A Waveform Sequence must be present to activate this key..

** Switch to **Store**...when **Load Store** is set to **Store**.

*FM/ΦM



* When FM is selected.

** Changes to **Ext Coupling** **DC** **AC** when FM Source > Ext1 or Ext2 are selected. **DC** being the default selection.

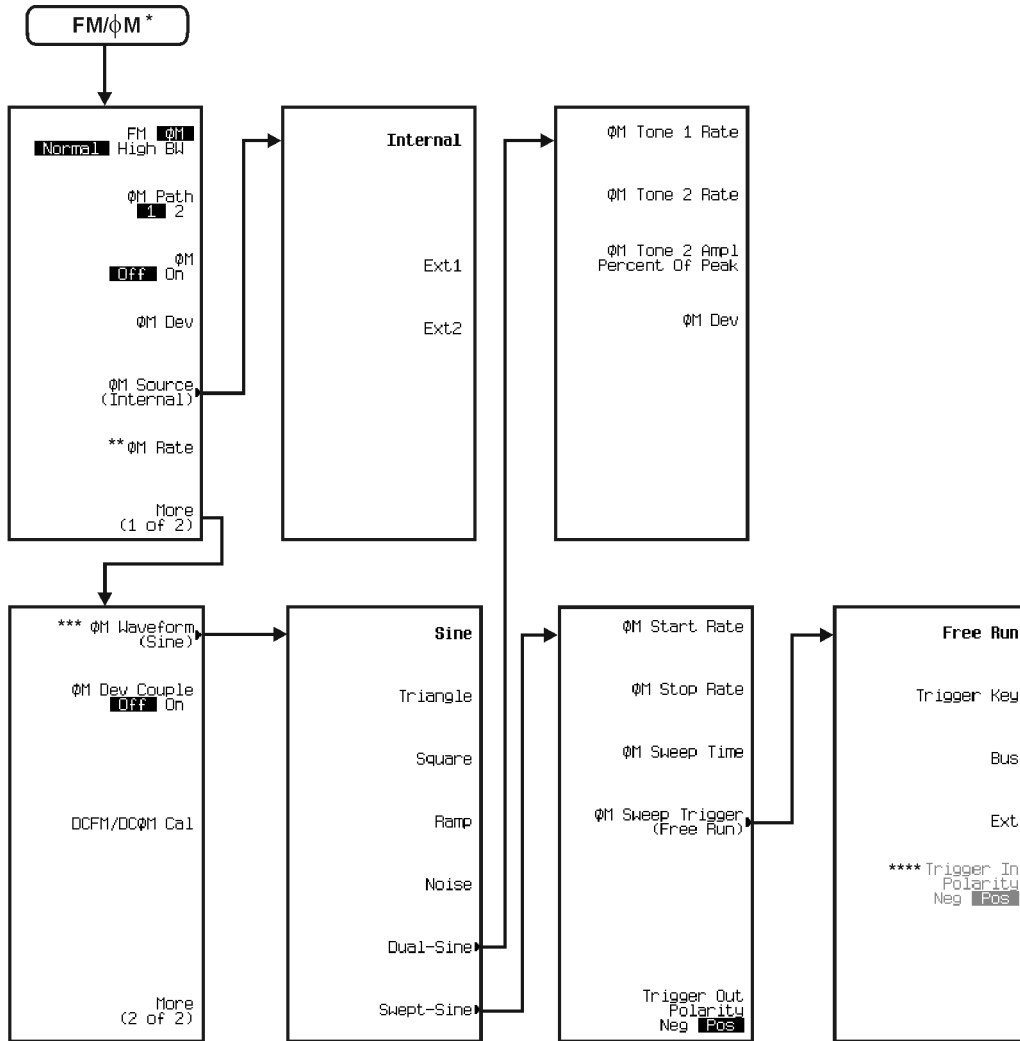
Inactive when FM Source > Arb1 or Arb2 are selected.

*** Inactive when FM Source > Ext1 or Ext2 or Arb1 or Arb2 are selected.

**** Active when Ext is selected.

pk721c

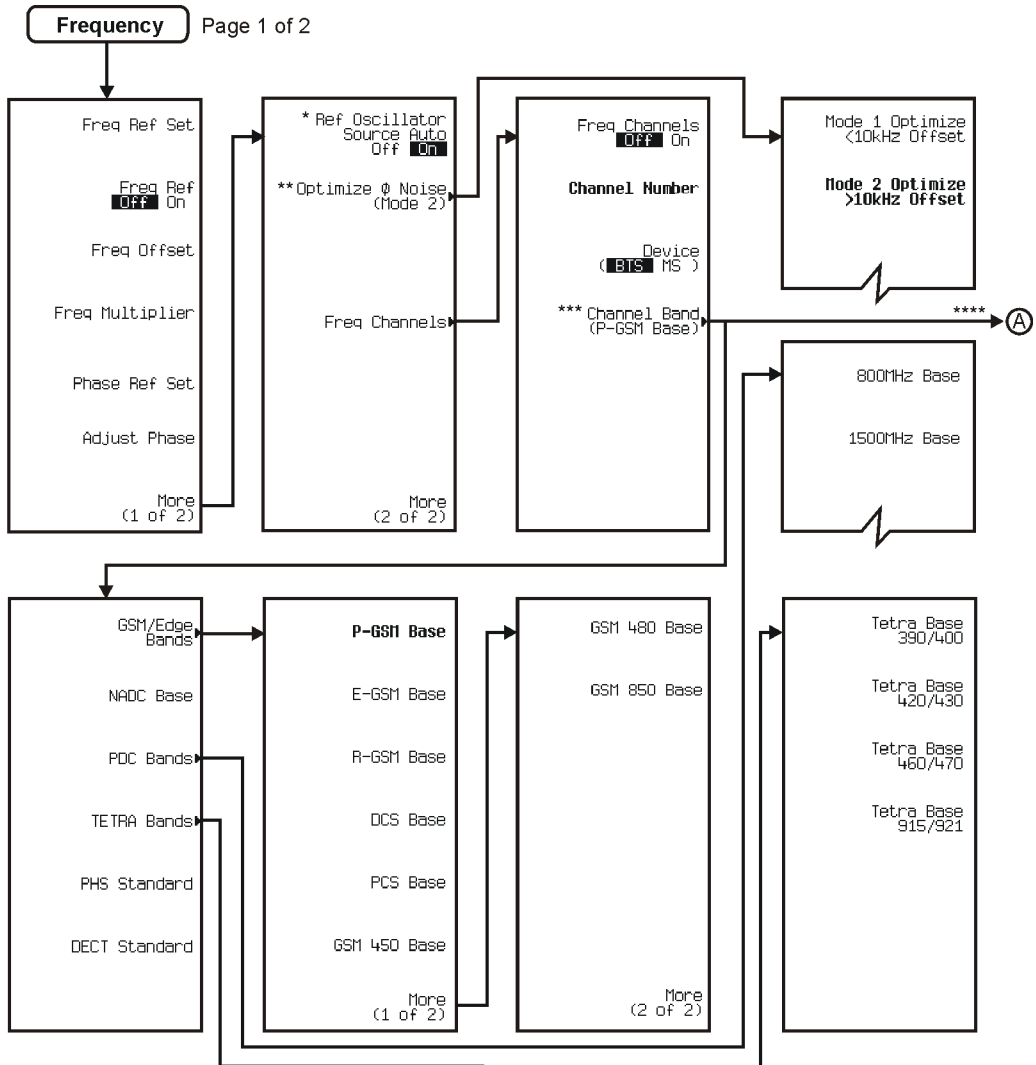
FM/ΦM*



- * When ϕM is selected.
- ** Changes to **Ext Coupling** **DC AC** when **FM Source** > **Ext1** or **Ext2** are selected. **DC** being the default selection. Inactive when **FM Source** > **Arb1** or **Arb2** are selected.
- *** Inactive when **FM Source** > **Ext1** or **Ext2** or **Arb1** or **Arb2** are selected.
- **** Active when **Ext** is selected.

pk722c

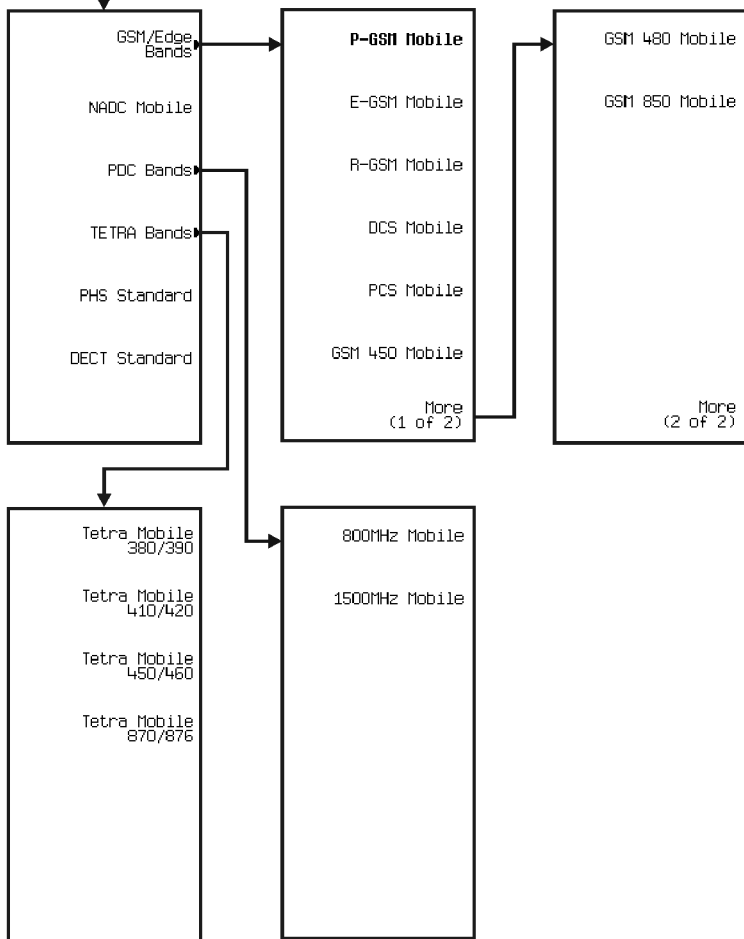
Frequency



* This key is deleted when Option UNJ is installed.
 ** This key is deleted when Option 506 is installed.
 *** This key changes to **Channel Band (P-GSM Mobile)** when **Device (BTS MS)** is selected.
 **** A Follows the menus when **Device (BTS MS)** is selected.

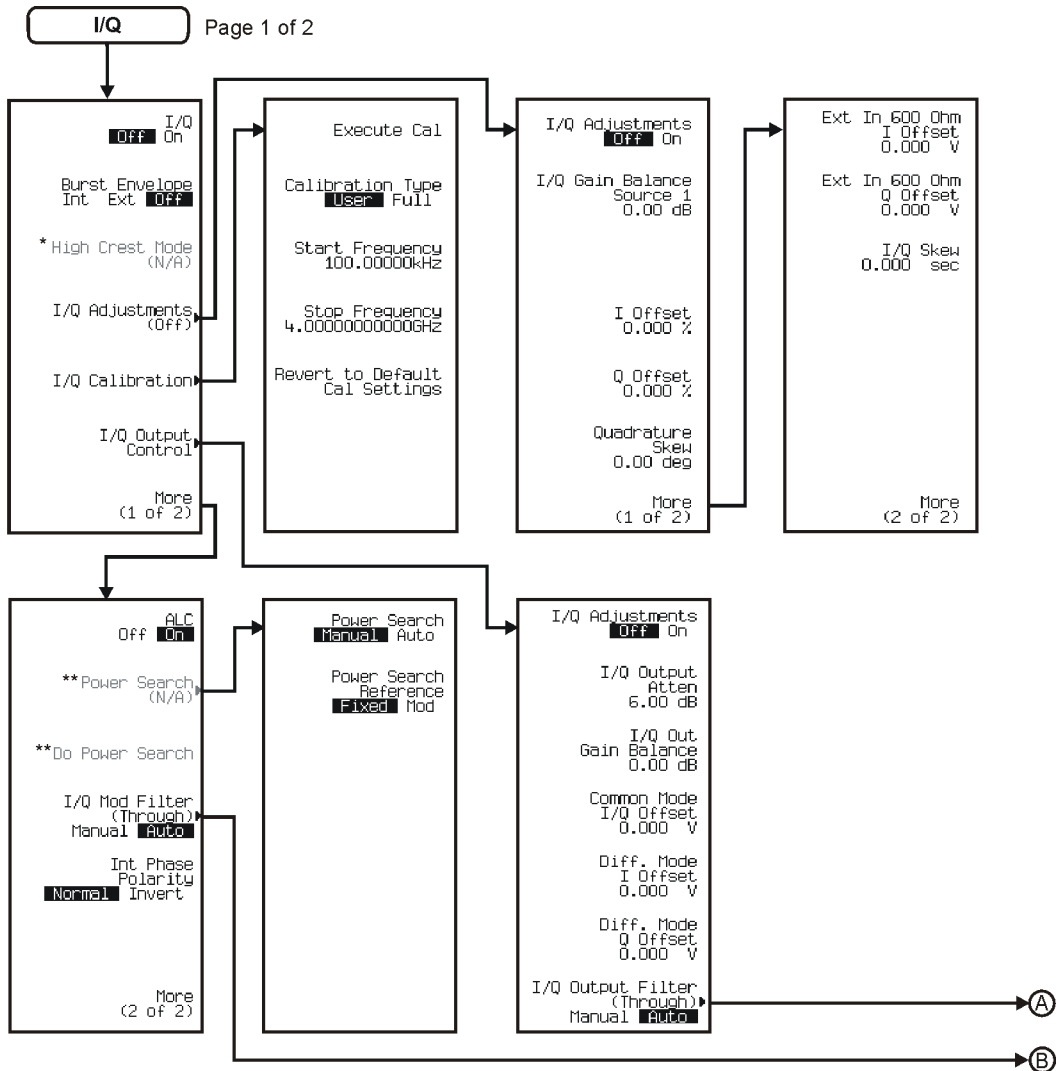
Key and Data Field Menu Maps
Frequency

Page 2 of 2 (A)



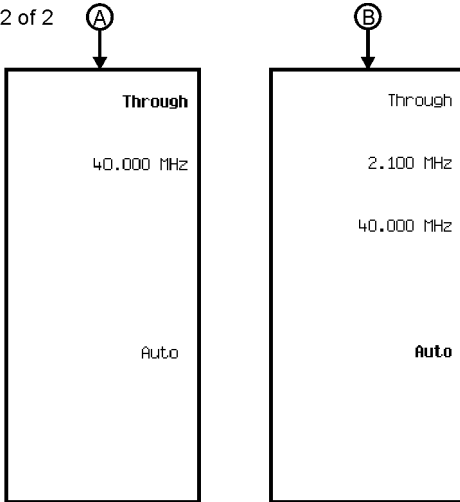
pk760c

I/Q



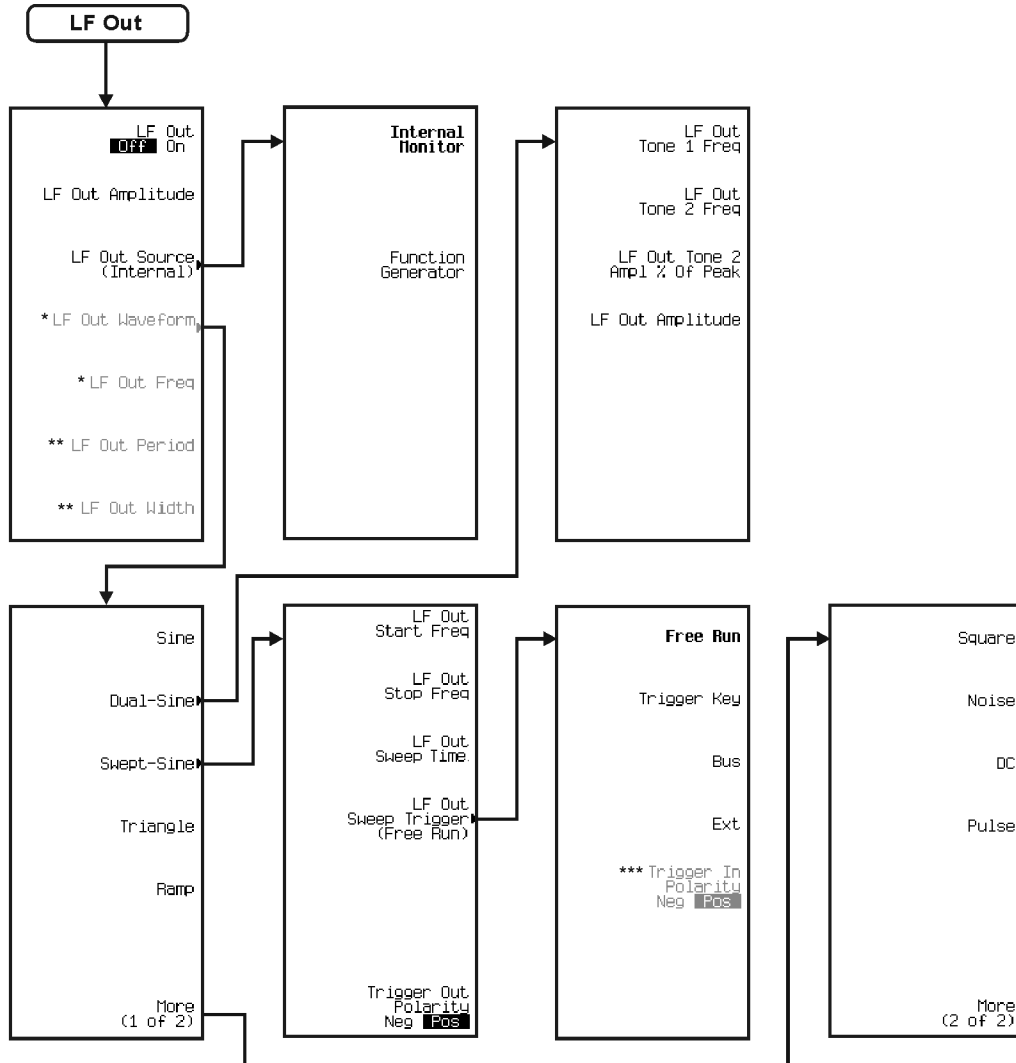
* Active when I/Q is on and no other modulation format except DualArb is on.
** Active when ALC is off.

Page 2 of 2



pk7202c

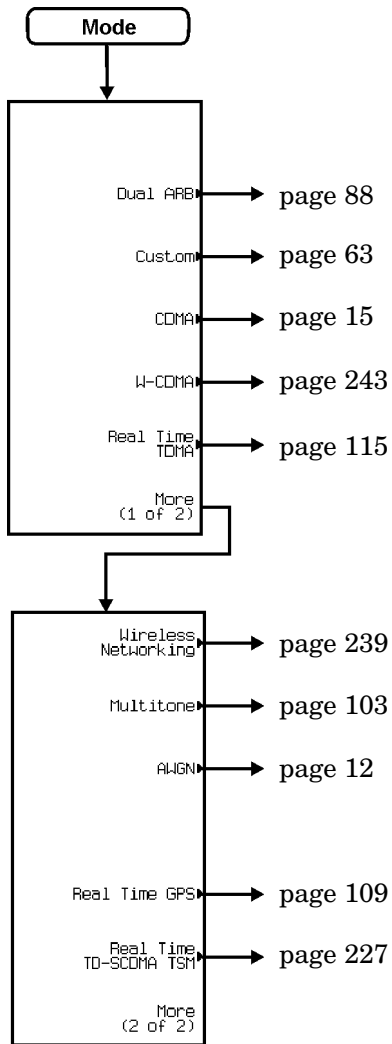
LF Output



- * Activate by pressing **LF Out Source > Function Generator**.
- ** Activate by pressing **LF Out Waveform > More (1 of 2) > Pulse**.
- *** Active when **EXT** is selected.

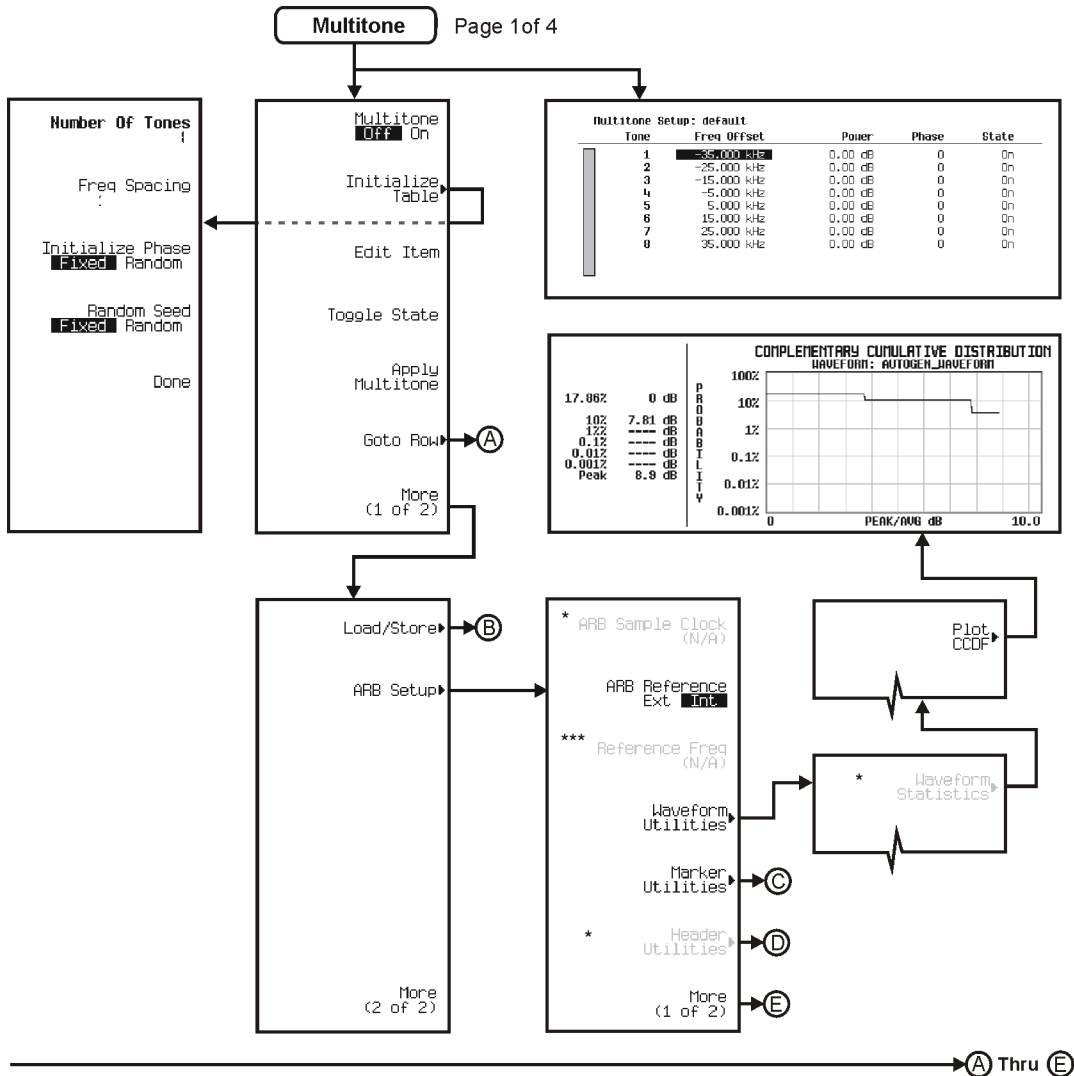
pk724c

Mode



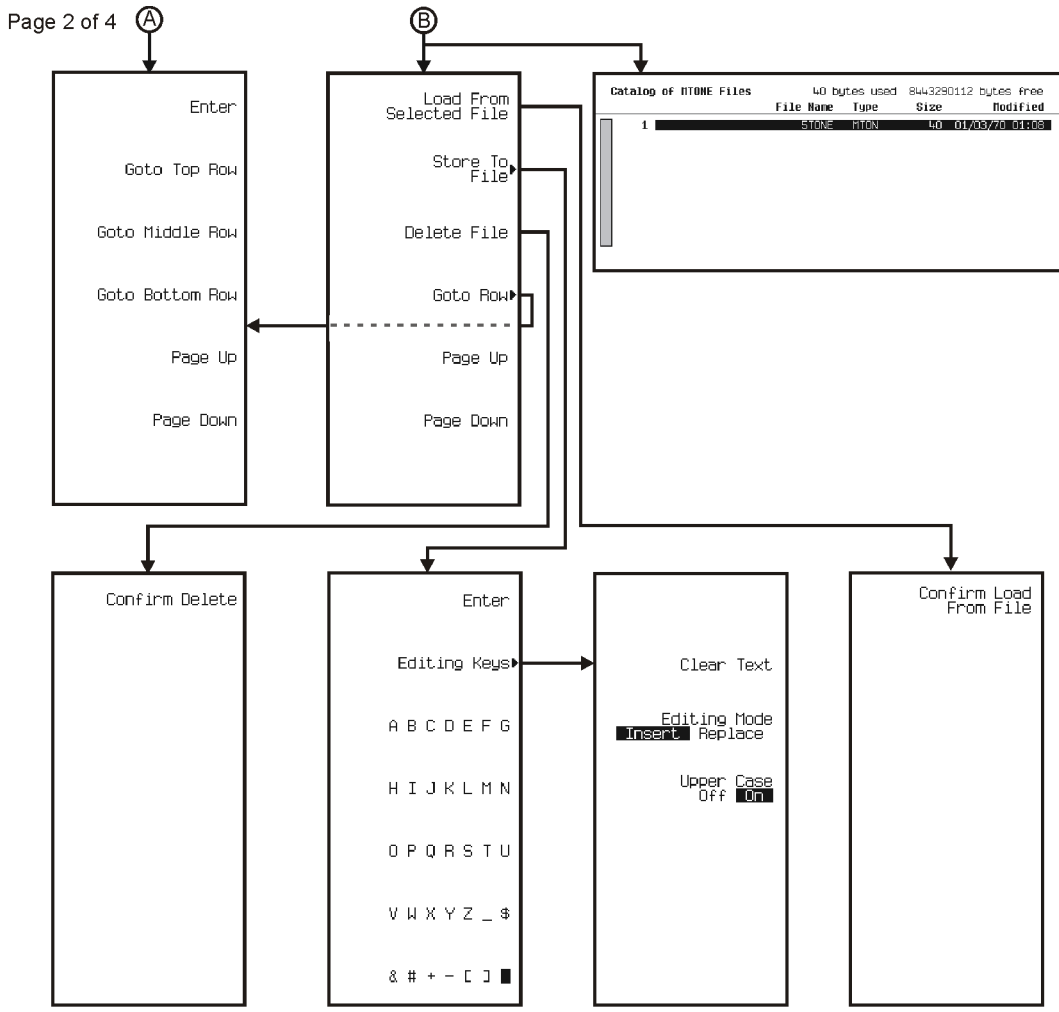
pk7195c

Multitone



* Active when Multitone is on.
** Active when ARB Reference Ext Int is set to Ext.

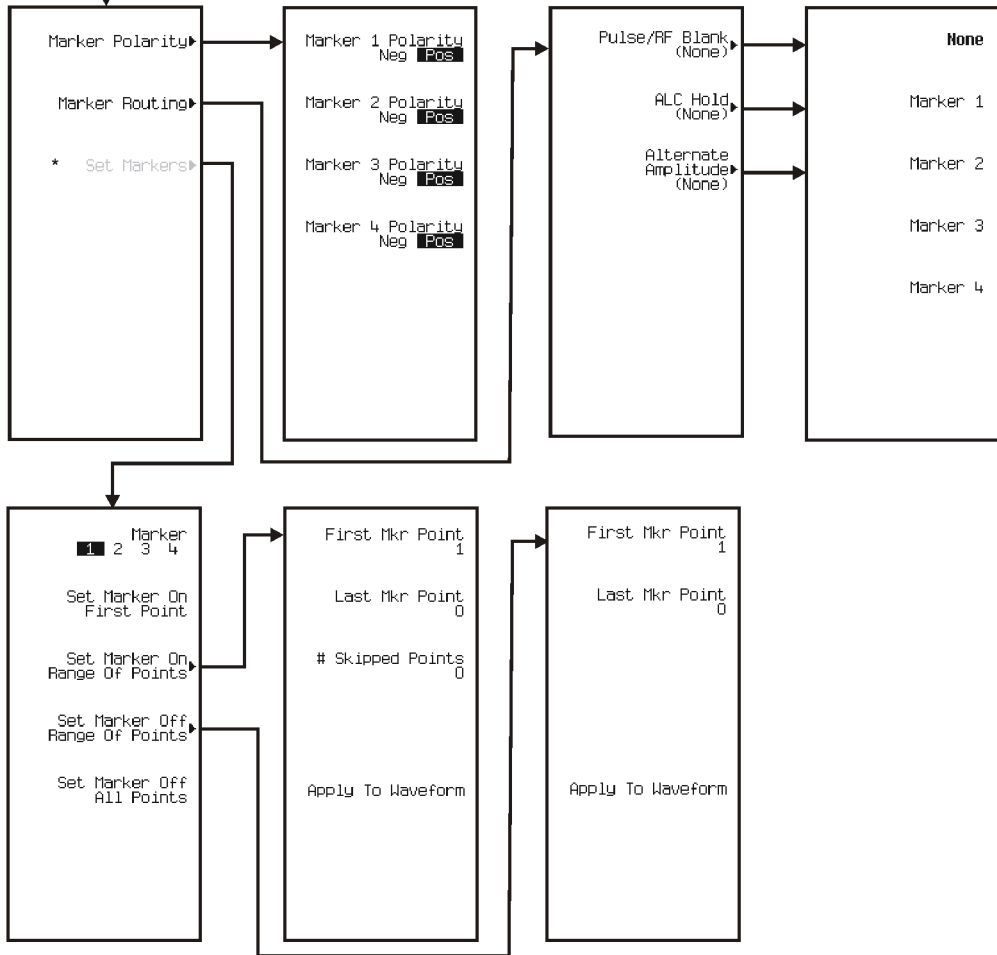
Key and Data Field Menu Maps
Multitone



→ C Thru E

pk776c

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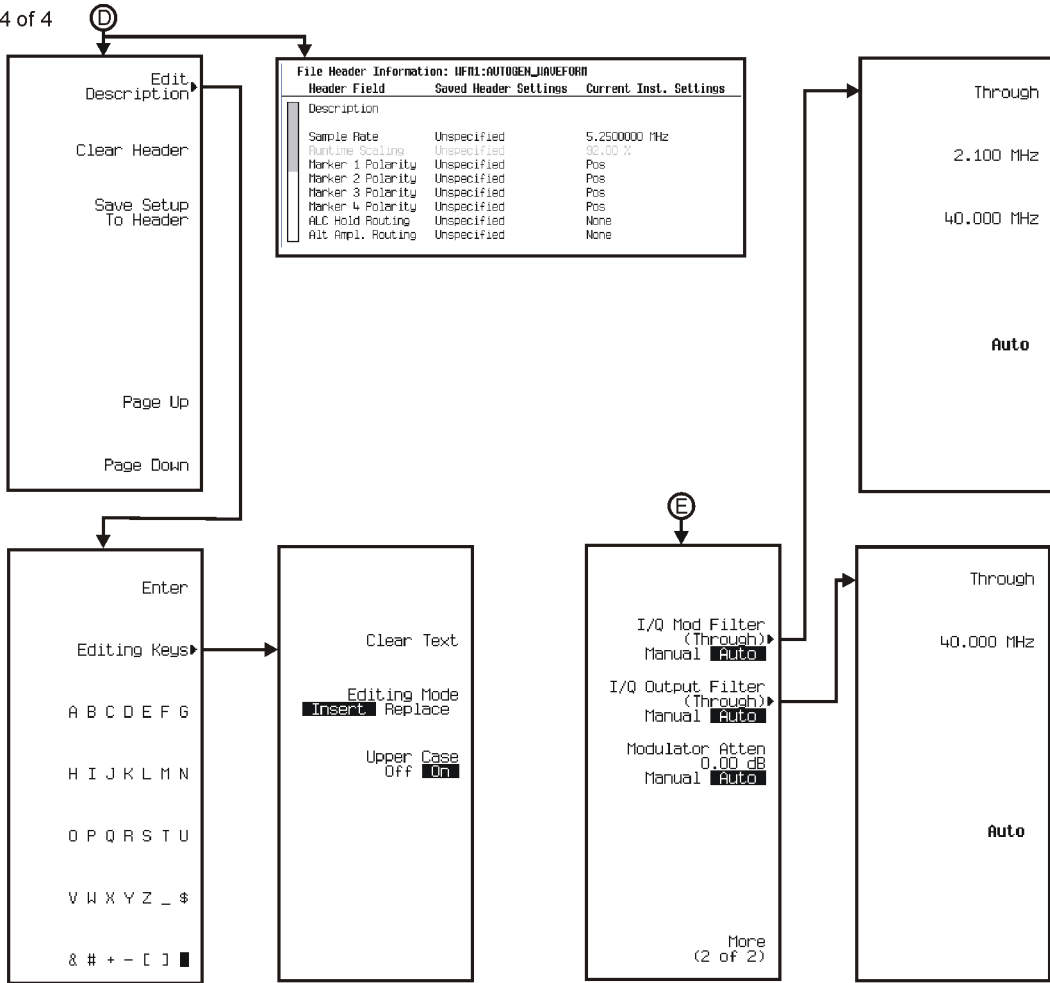
→ D and E

* Active when Multitone is on.

mtone3_mkr-uty

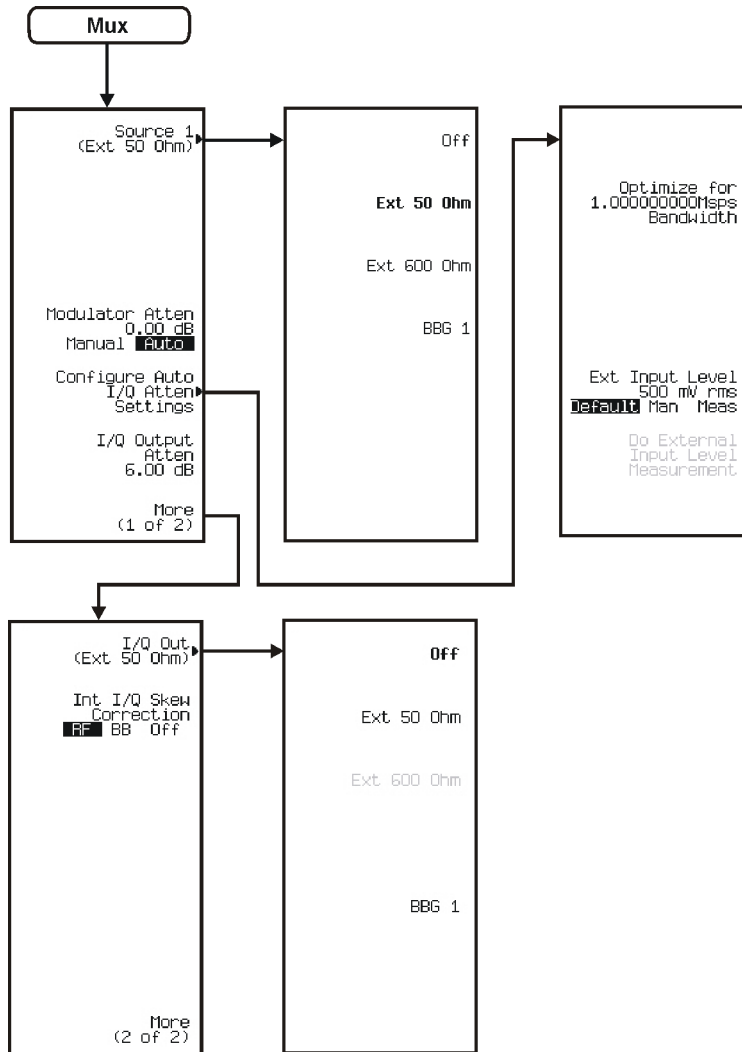
Key and Data Field Menu Maps
Multitone

Page 4 of 4



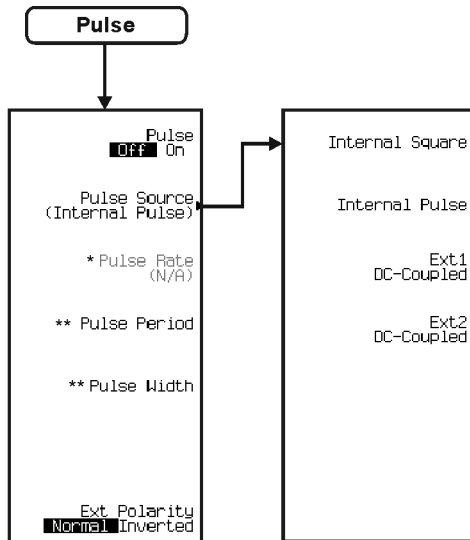
mtone4_hdr_utly

Mux



pk772c

Pulse Modulation

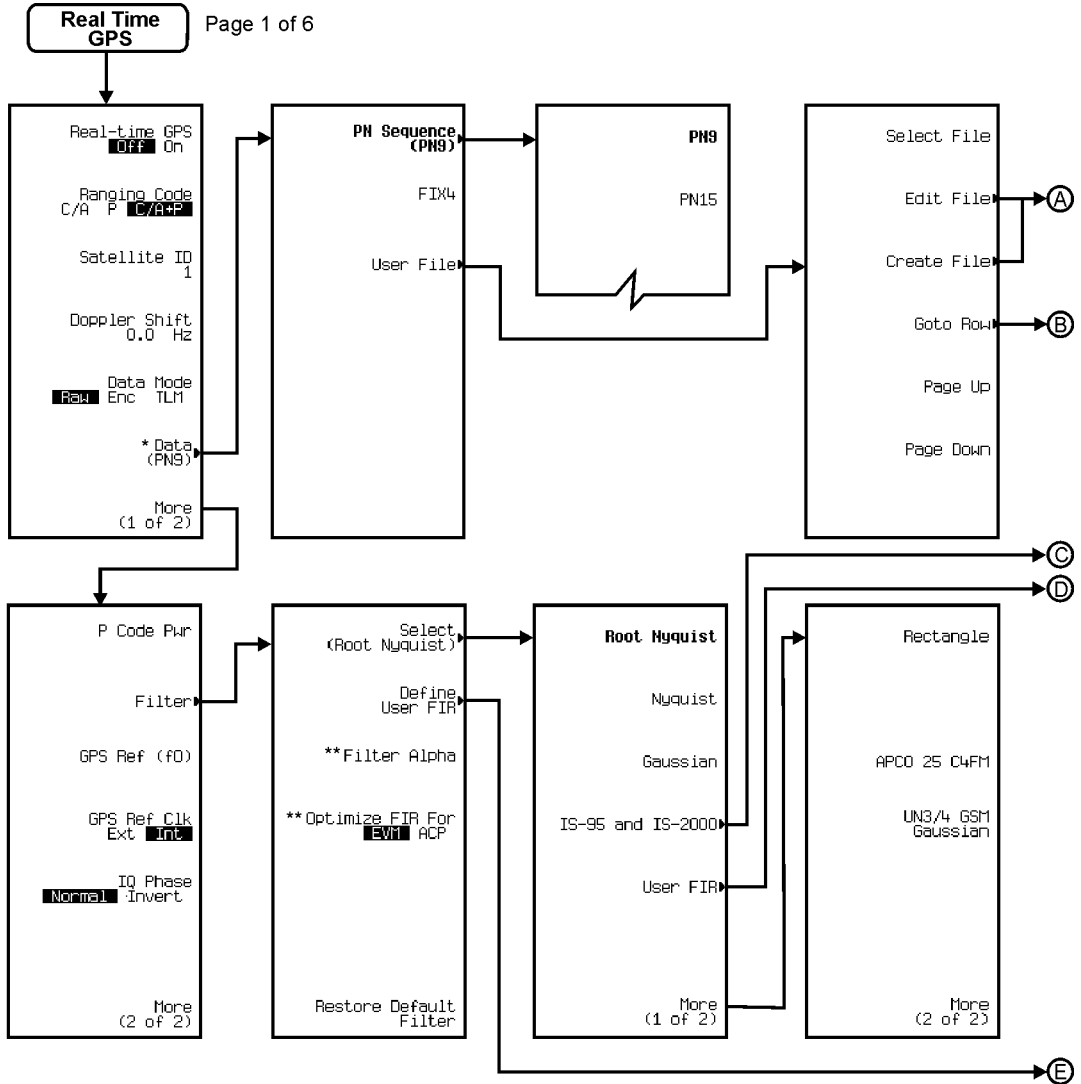


* Activate by pressing **Pulse Source > Internal Square**.

** Inactive when **Pulse Source > Internal Square** or **Ext1 DC-Coupled** or **Ext2 DC-Coupled** is selected.

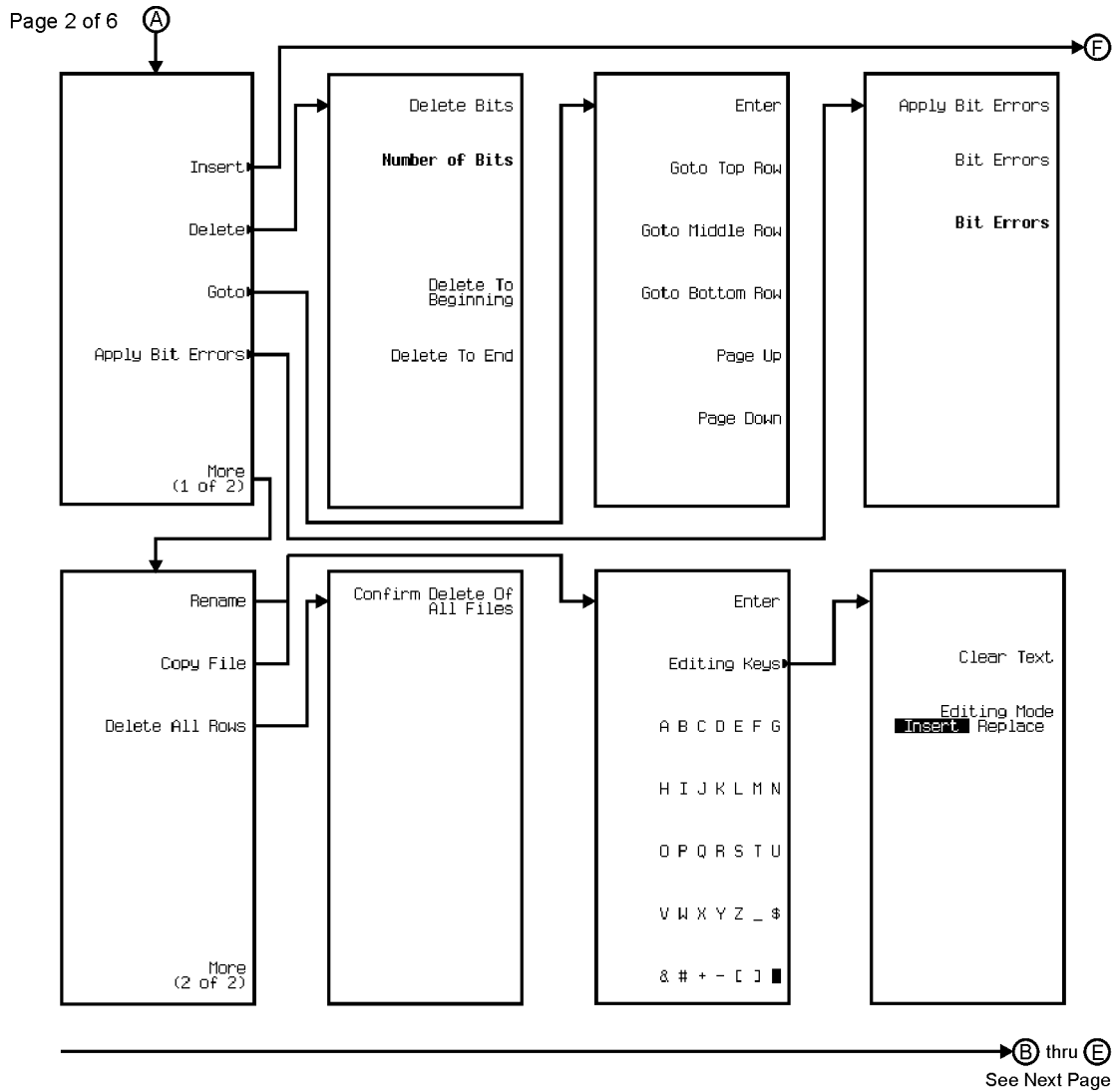
pk725c

Real Time GPS



* Inactive in the TLM data mode.
** Changes according to the filter selected.

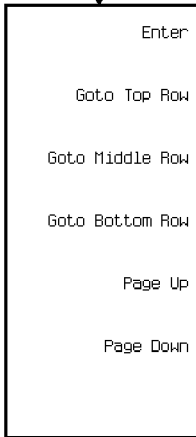
Key and Data Field Menu Maps
Real Time GPS



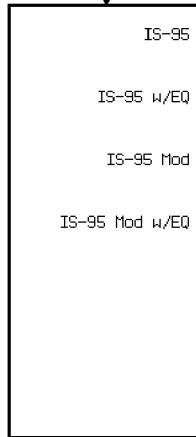
pk7197c

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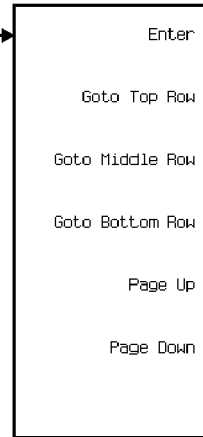
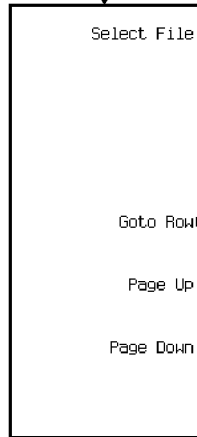
ⓑ



ⓒ



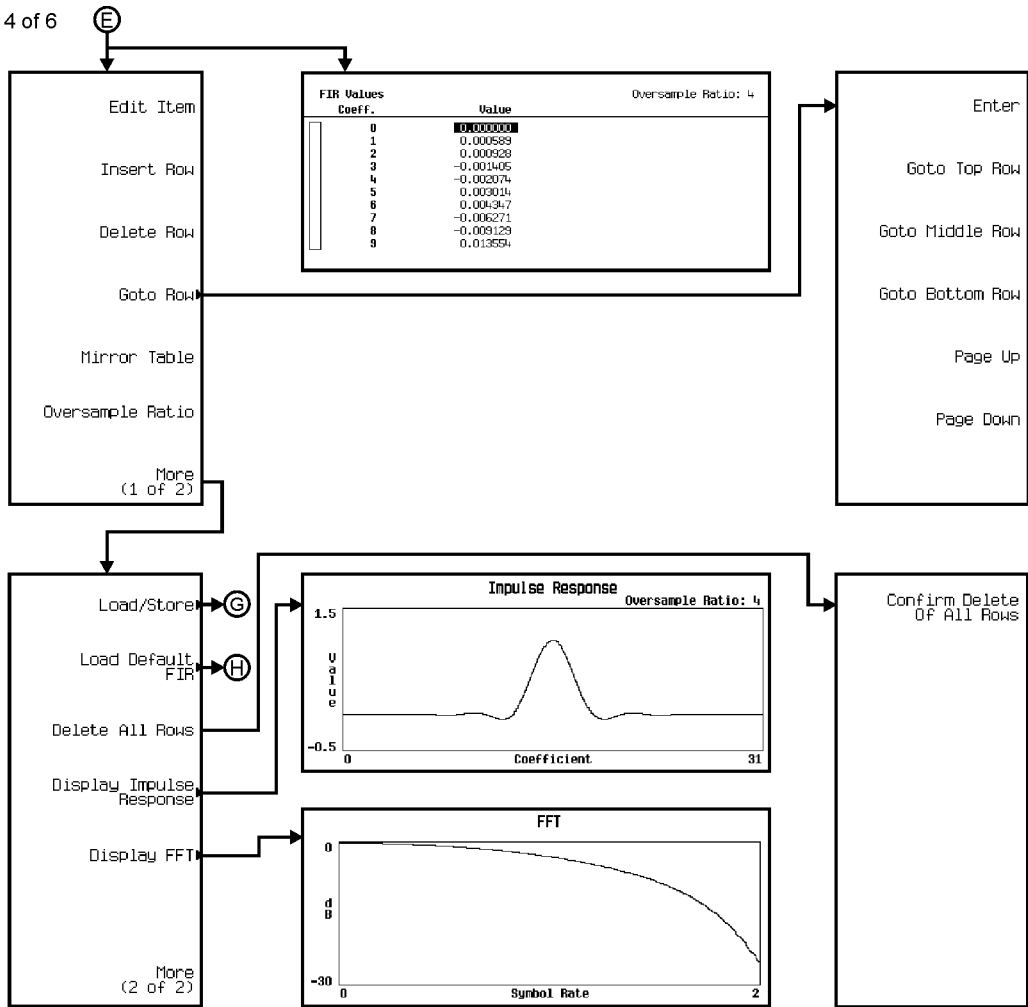
ⓓ



→ ⓔ and ⓕ
See Next Page

Key and Data Field Menu Maps
Real Time GPS

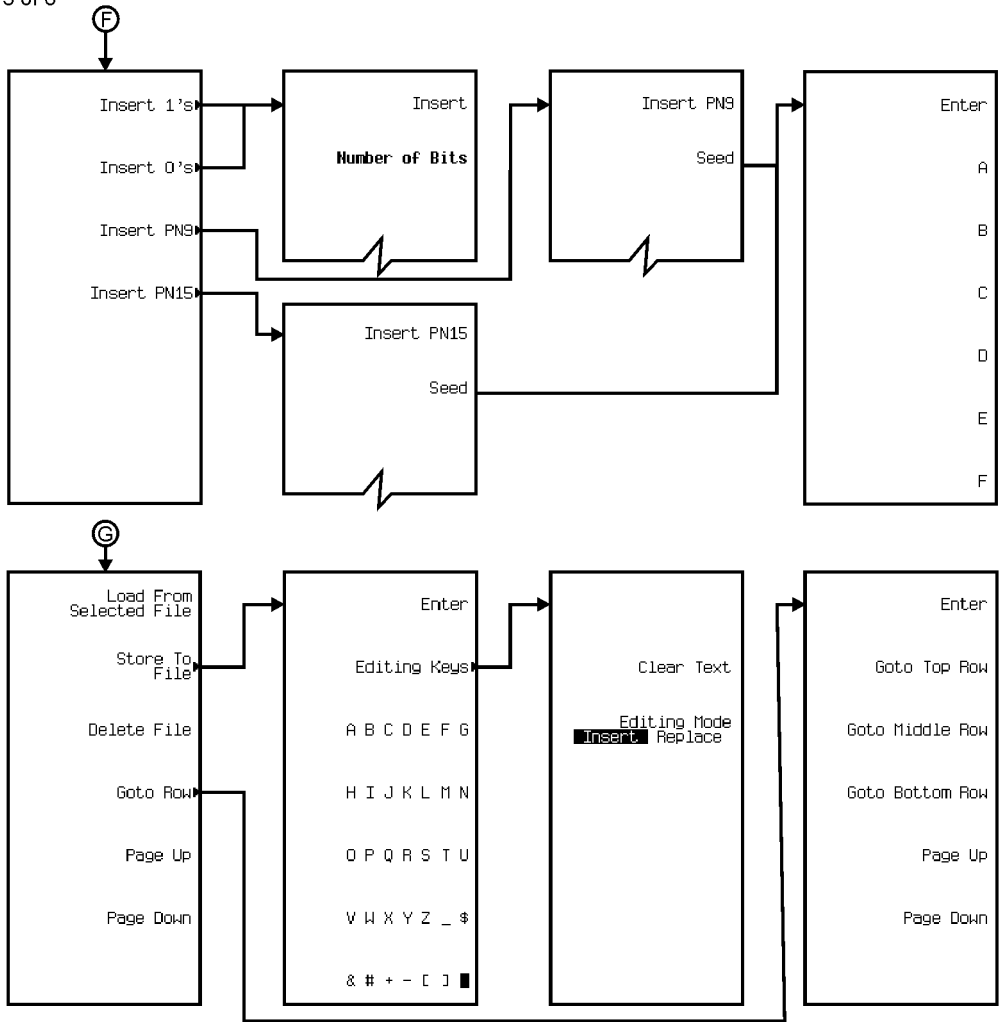
Page 4 of 6



→ G and H
→ F
See Next Page

pk7199c

Page 5 of 6

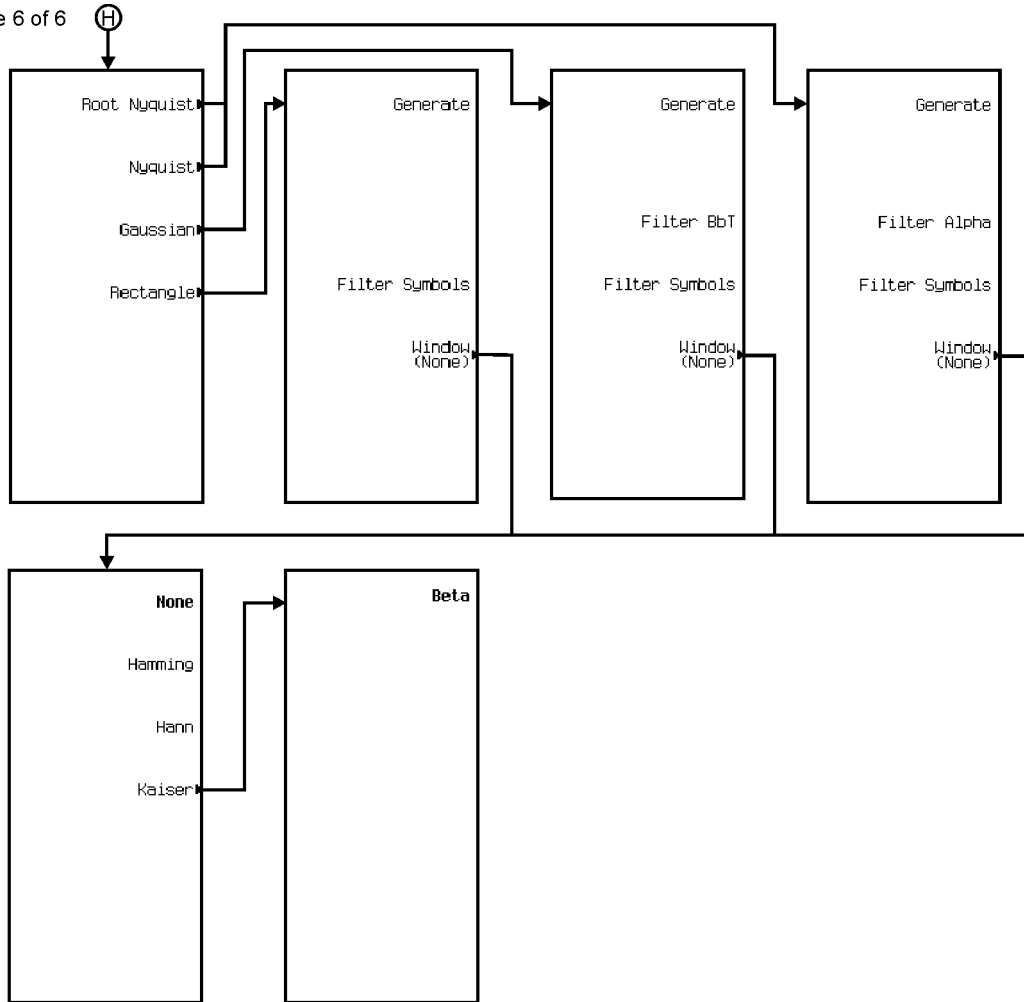


→ (H)
See Next Page

pk7200c

Key and Data Field Menu Maps
Real Time GPS

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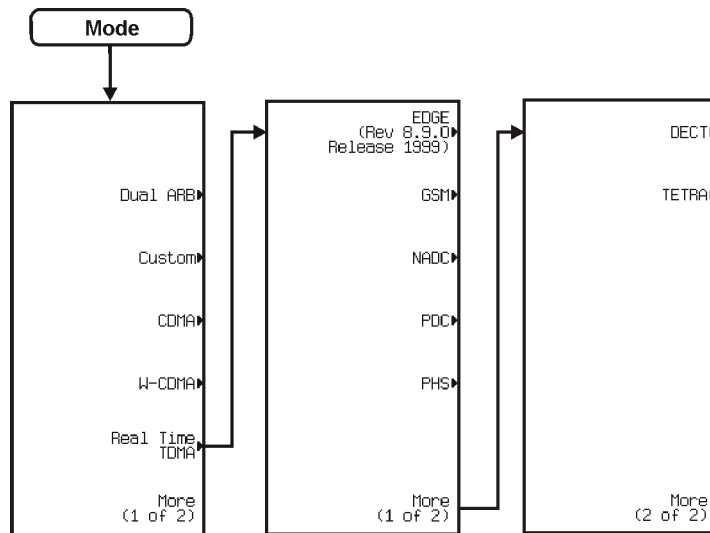
pk7201c

Real Time TDMA

The Real Time TDMA personality is accessed by pressing the **Mode** hardkey.

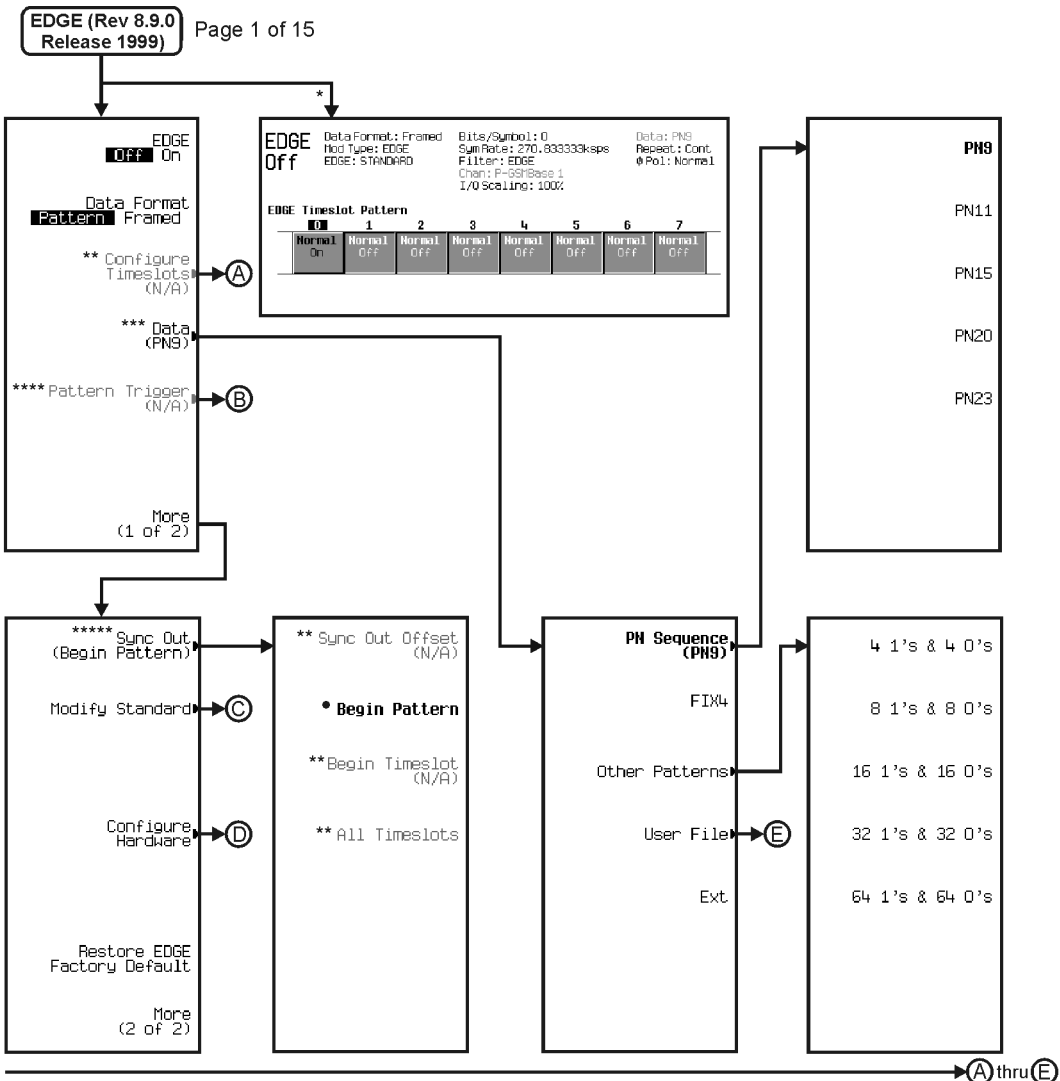
The Real Time TDMA menu maps are split into seven sections:

- for EDGE (Rev 8.9.0 Release 1999) go to page 116
- for GSM go to page 131
- for NADC go to page 147
- for PDC go to page 163
- for PHS go to page 179
- for DECT go to page 195
- for TETRA go to page 211



pk7194c

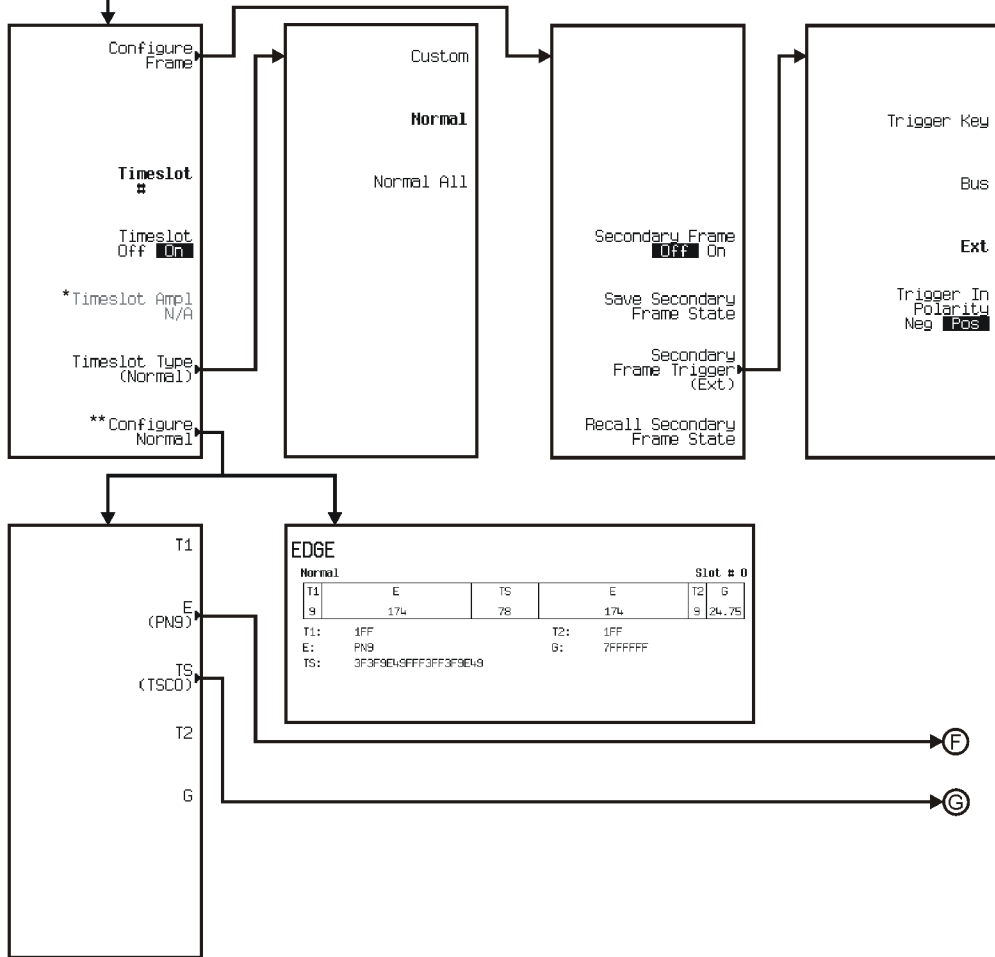
Key and Data Field Menu Maps
Real Time TDMA



* Appears when the **Data Format Pattern Framed** softkey is set to Framed.
 ** Active when the **Data Format Pattern Framed** softkey is set to Framed.
 *** Inactive when the **Data Format Pattern Framed** softkey is set to Framed.
 **** Becomes active and changes to **Frame Trigger** when the **Data Format Pattern Framed** softkey is set to Framed.

***** Changes to **Sync Out (Begin Frame)** when the **Data Format Pattern Framed** softkey is set to Framed.
 • Changes to **Begin Frame** when the **Data Format Pattern Framed** softkey is set to Framed.

pk7109c

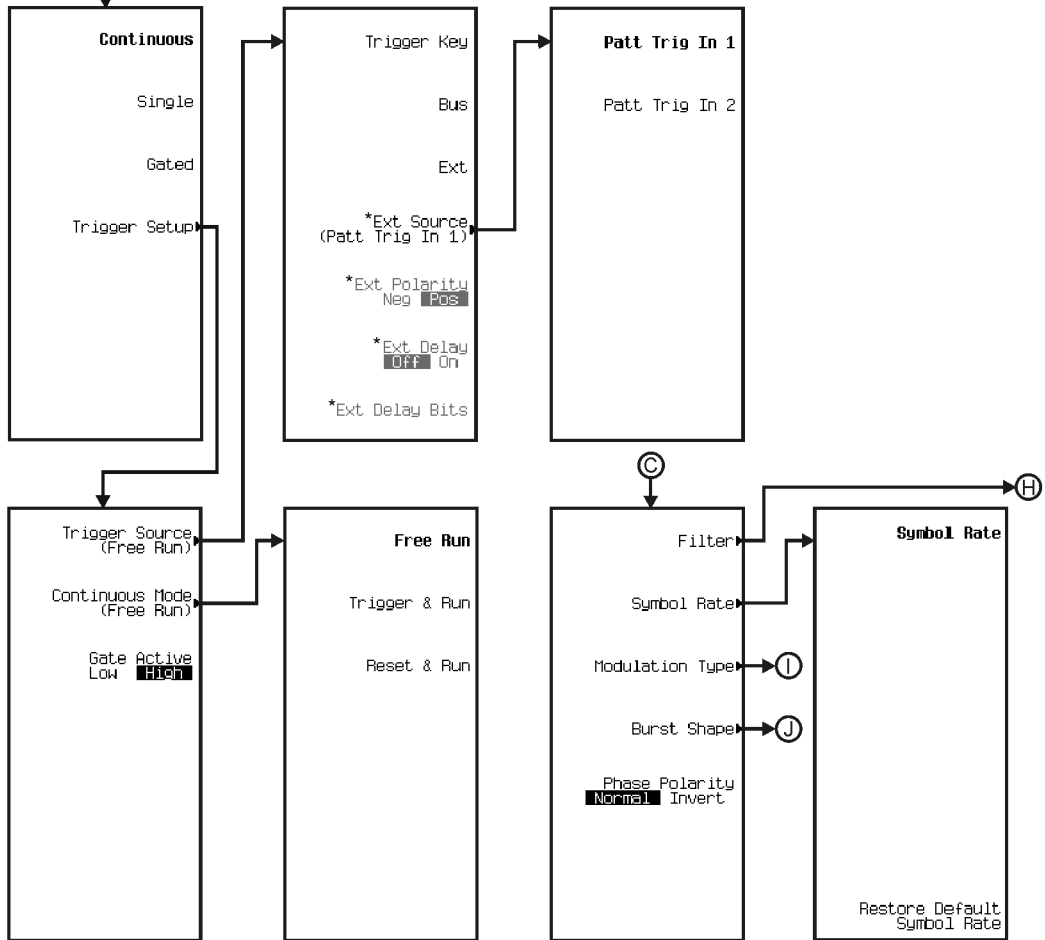


* This key is activated by pressing **Amplitude > More (1 of 2) > Alt Amp Off On**, until Alt Amp is on.
 This key and it's sub-level menu selections, change according to the **Timeslot Type selected.

(B) thru (E)
See Next Page

Key and Data Field Menu Maps
Real Time TDMA

Page 3 of 15 (B)

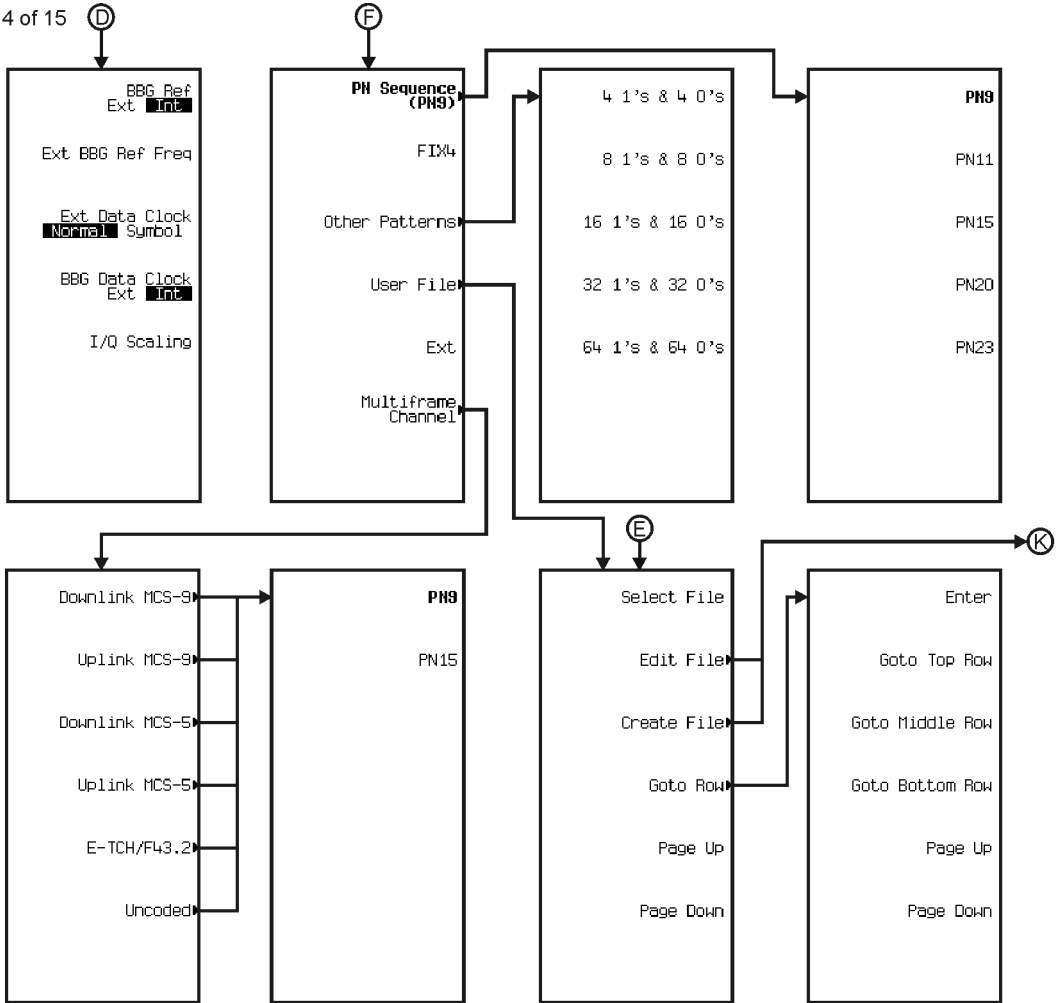


* Activate by pressing Ext.

(I) and (J)
(D) thru (G)
See Next Page

pk7111c


Page 4 of 15 **D**

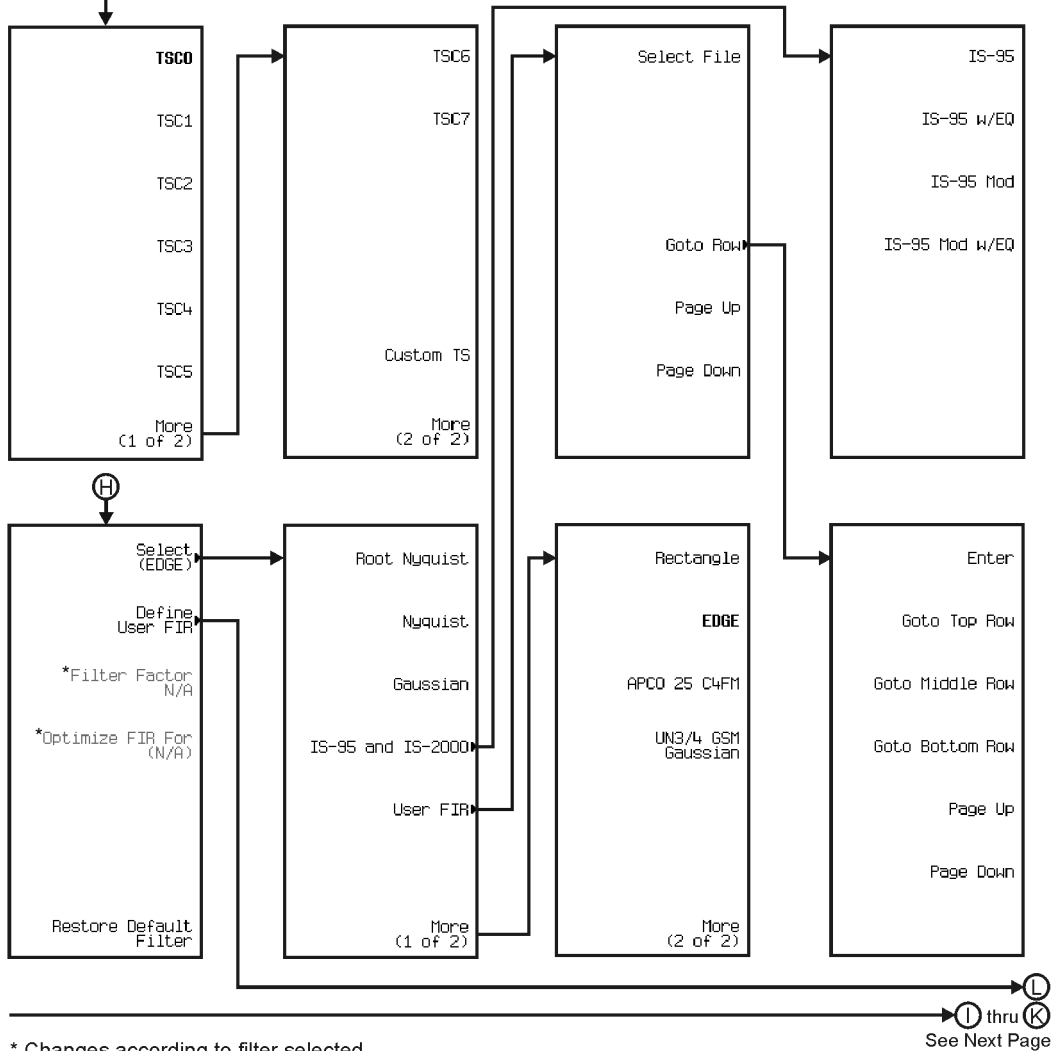


G thru **J**
See Next Page

pk7112c

Key and Data Field Menu Maps
Real Time TDMA

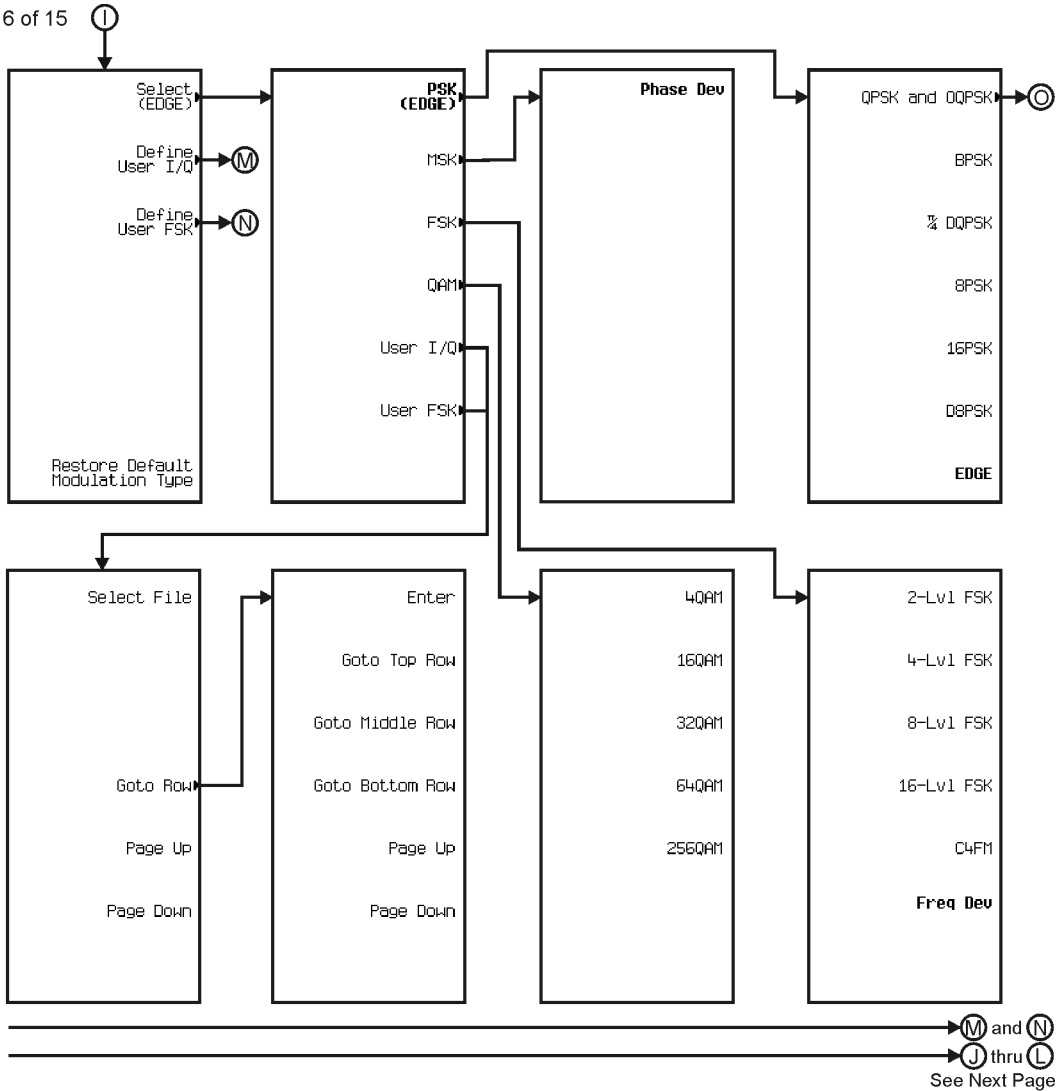
Page 5 of 15 



* Changes according to filter selected.

pk7114c

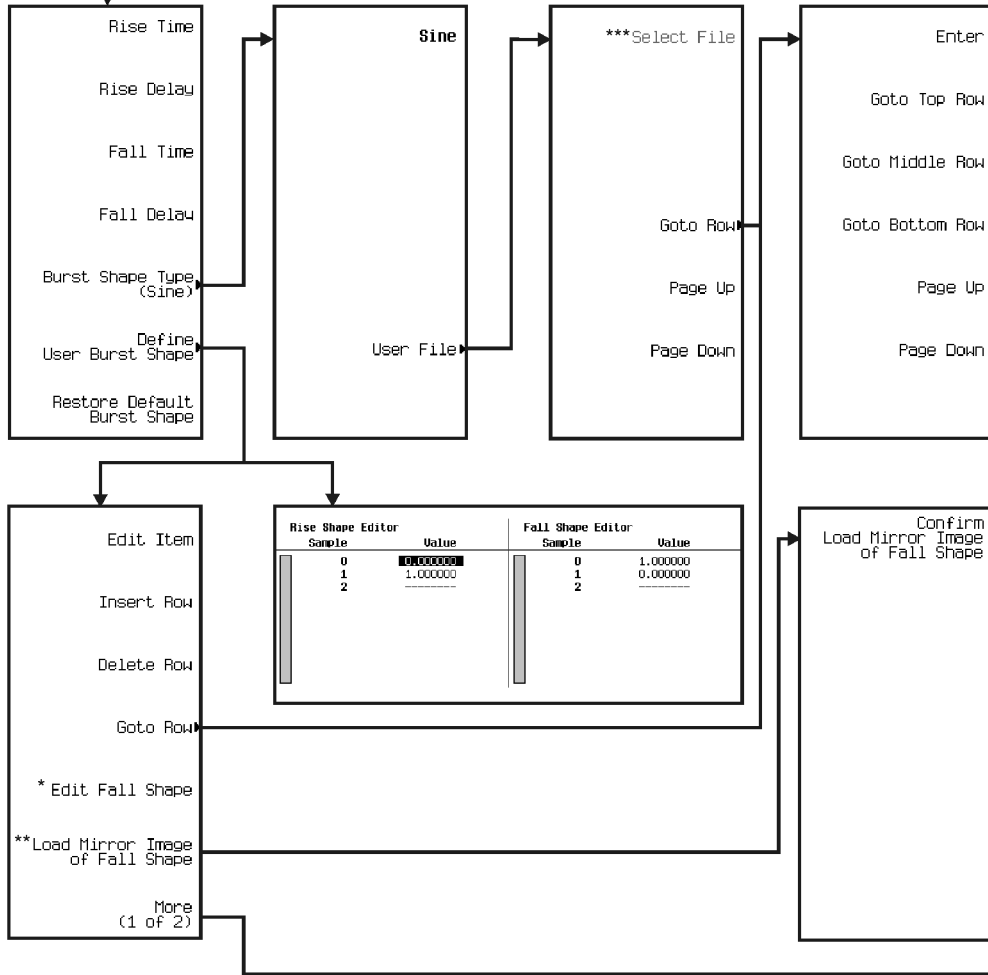
Page 6 of 15



pk7115c

Key and Data Field Menu Maps
Real Time TDMA

Page 7 of 15 (J)

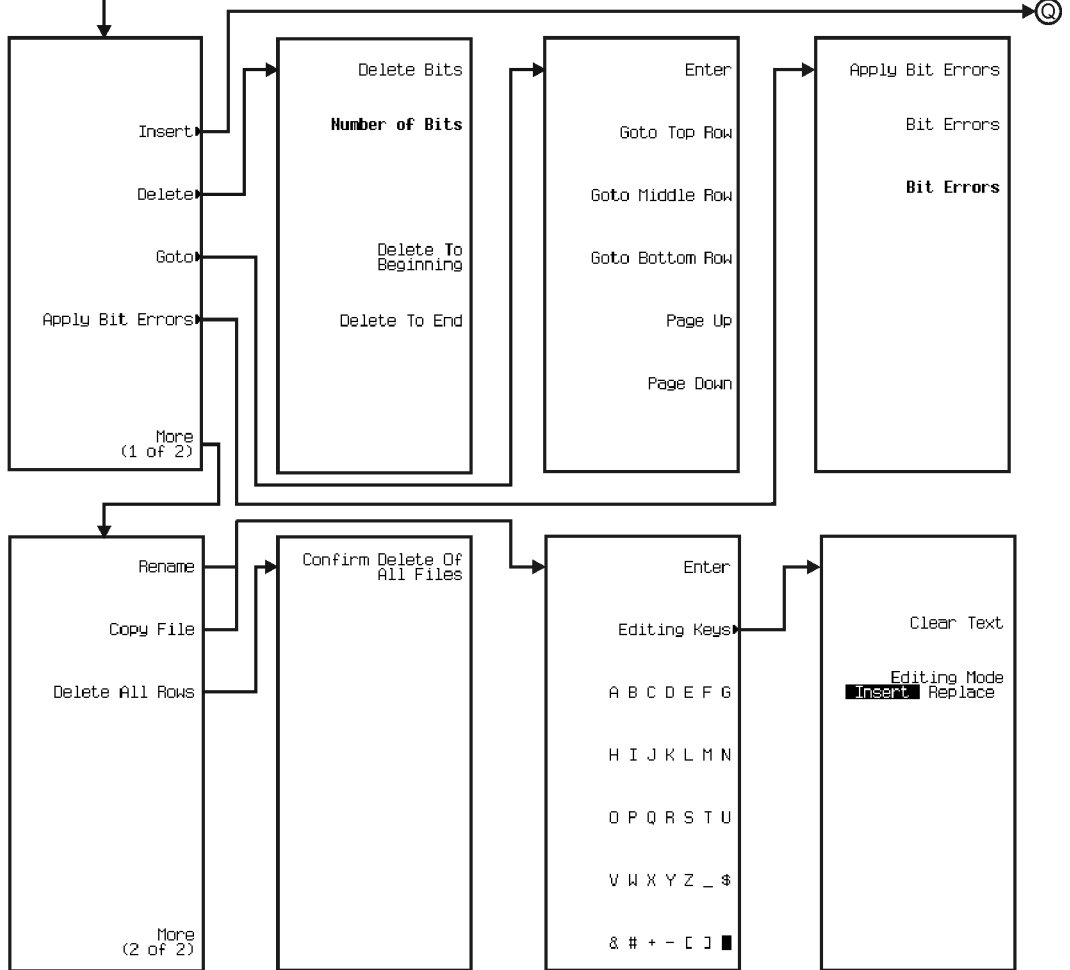


* This key changes to **Edit Rise Shape** when pressed.
 ** When **Edit Fall Shape** is pressed this key changes to **Load Mirror Image of Rise Shape**.
 *** For this key to be active, there must be a file to select.

(P) thru (O)
 See Next Page

pk7116c

Page 8 of 15 (K)

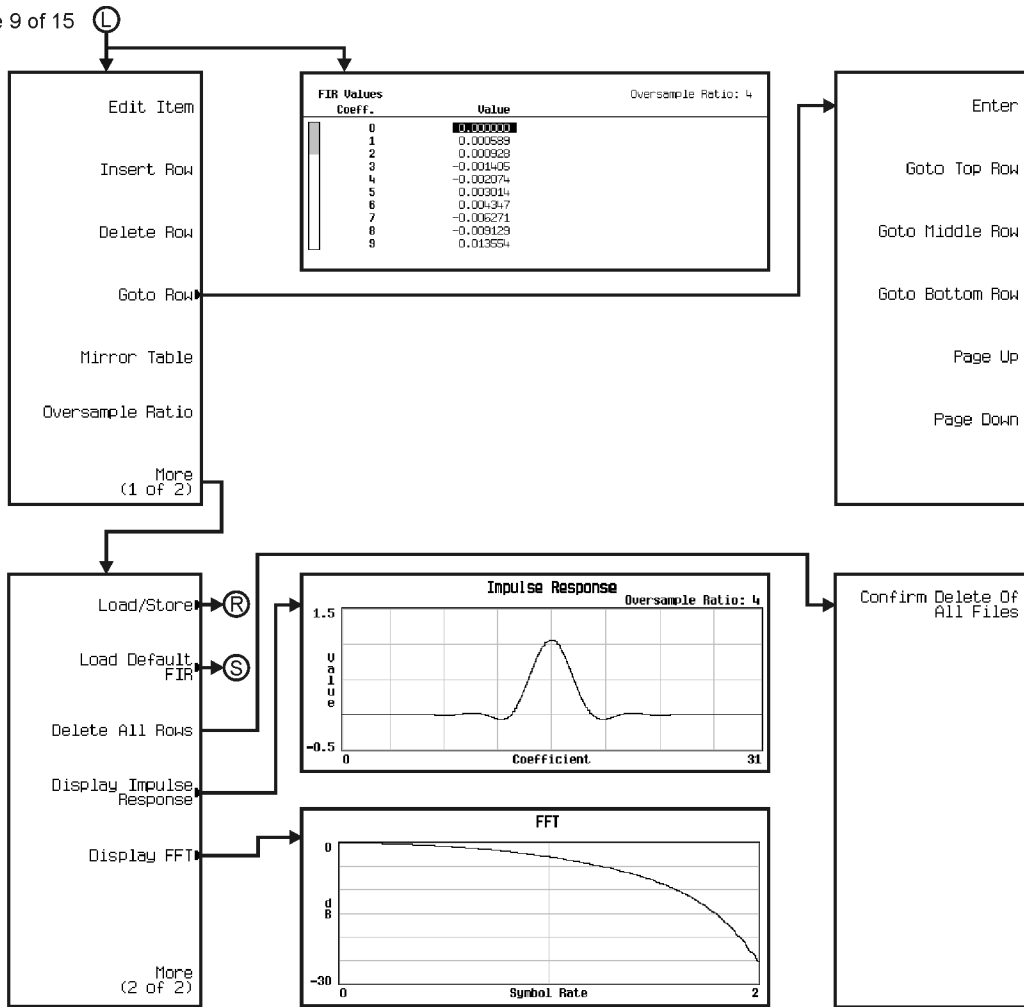


(L) thru (P)
See Next Page

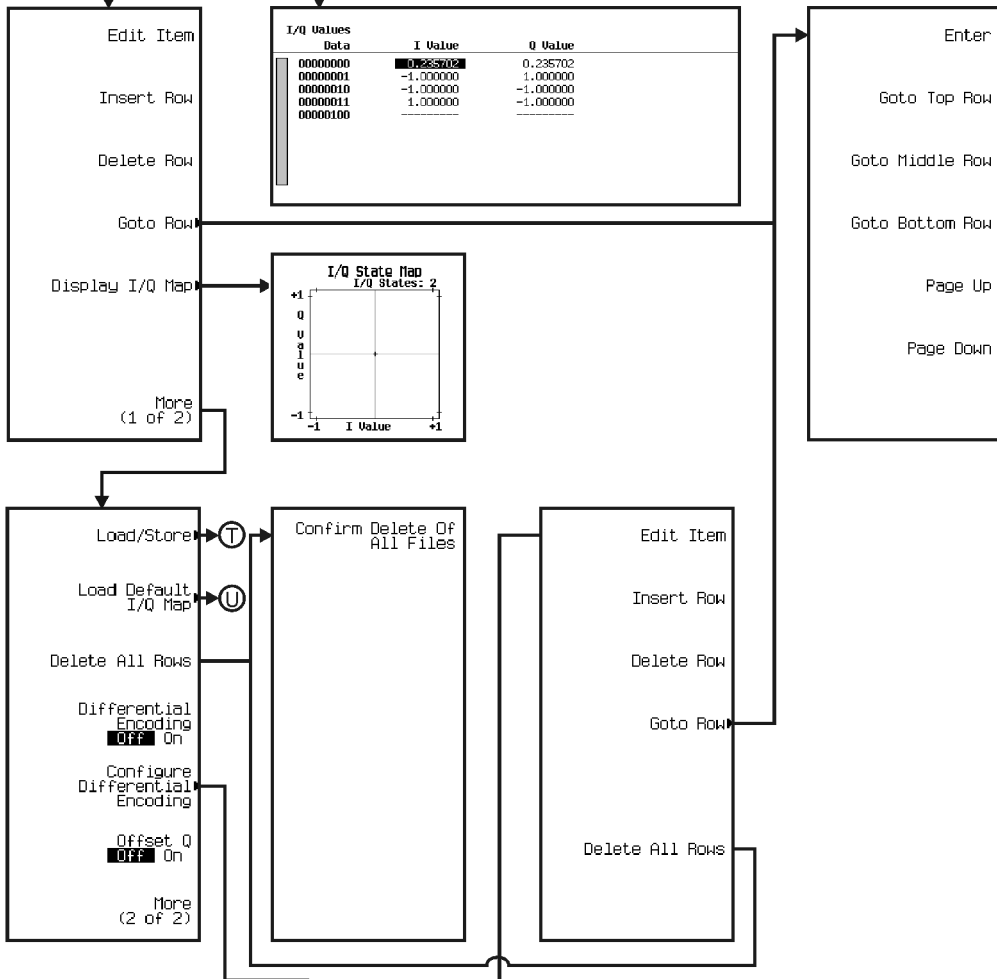
pk7117c

Key and Data Field Menu Maps
Real Time TDMA

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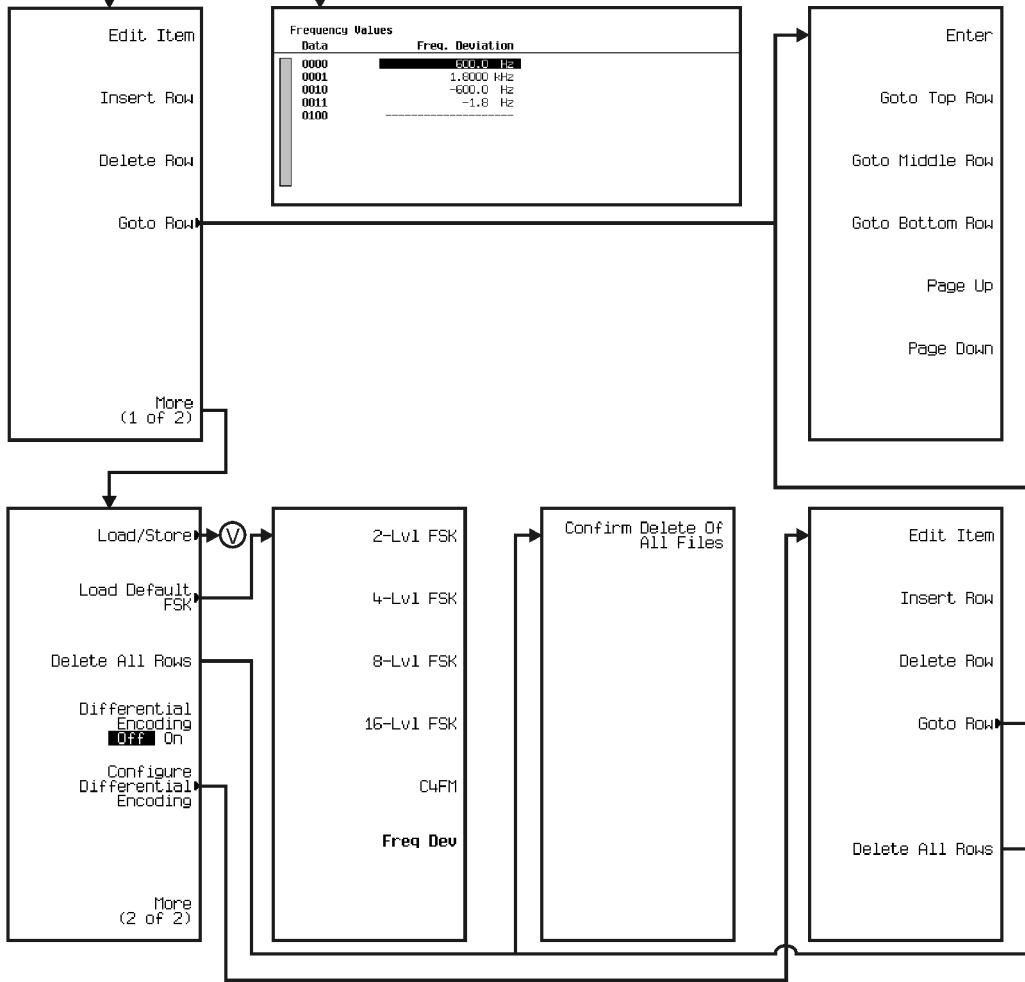
pk7119c



T and **U**
N thru **S**
See Next Page

Key and Data Field Menu Maps
Real Time TDMA

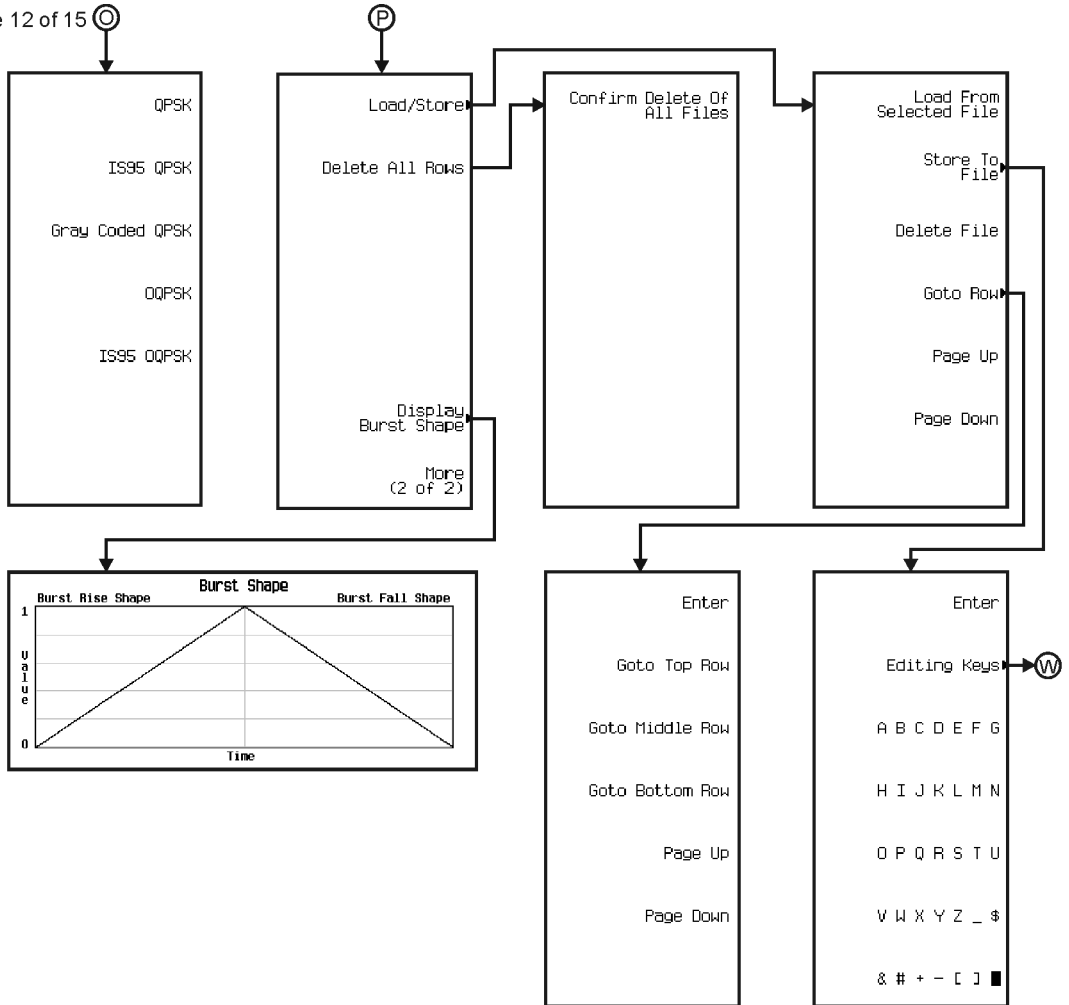
Page 11 of 15 N



pk7121c

V thru U
See Next Page

Page 12 of 15 **Q**

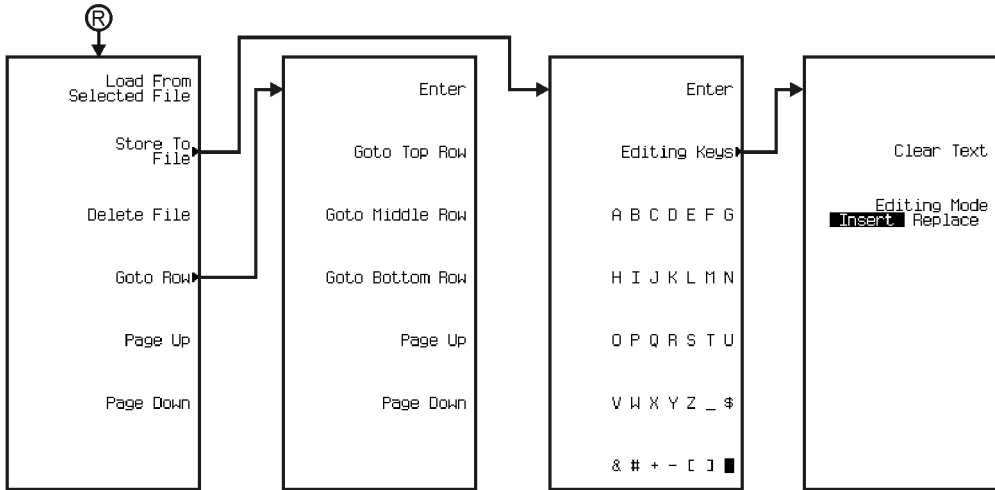
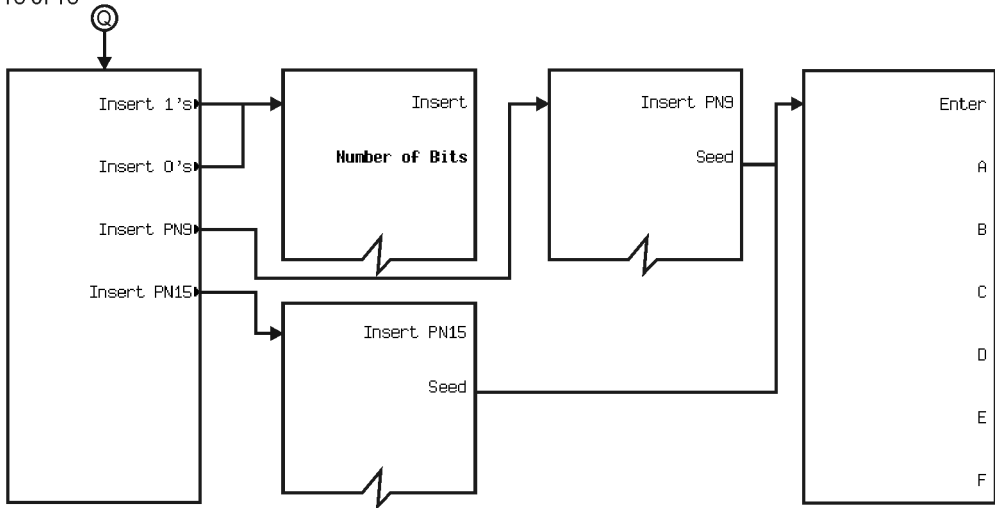


Q thru **V**
See Next Page

pk7122c

Key and Data Field Menu Maps
Real Time TDMA

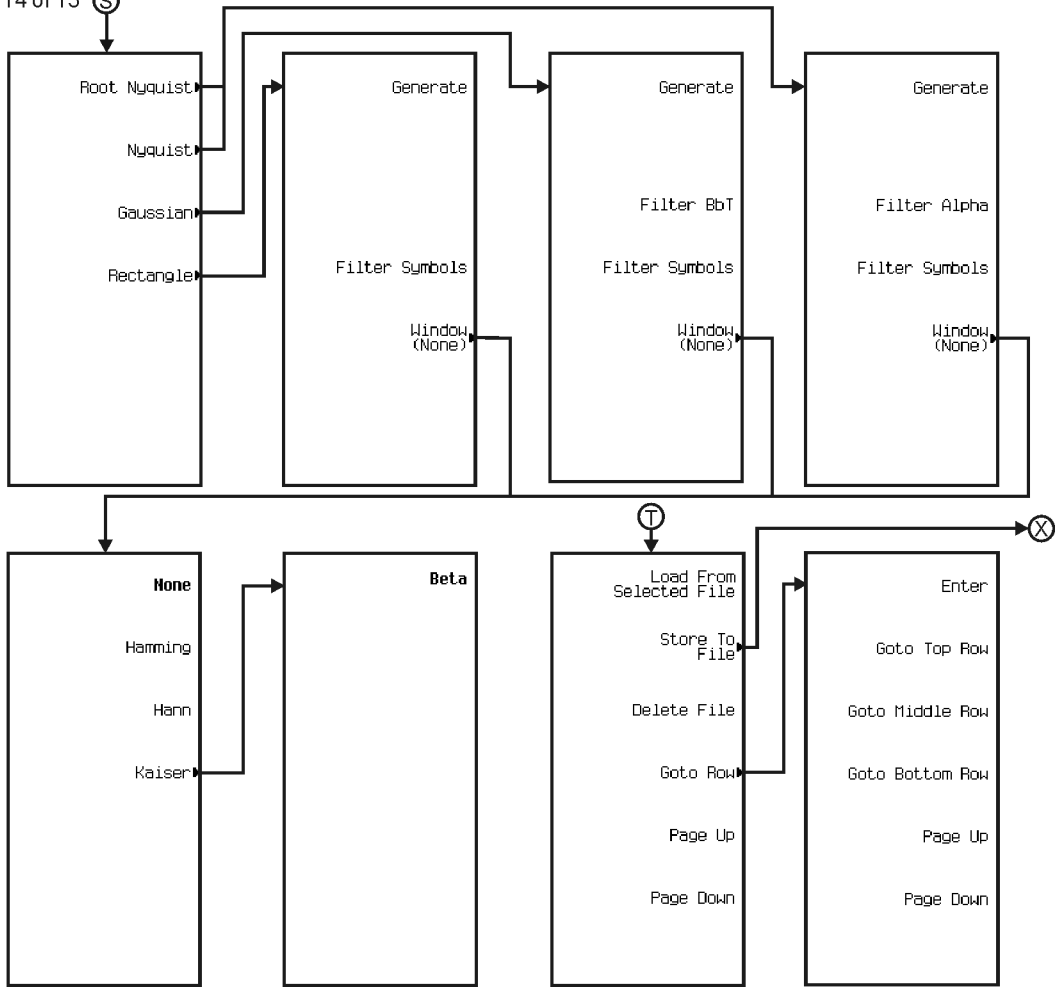
Page 13 of 15



→ (S) thru (W)
 See Next Page

pk7123c


Page 14 of 15 (S)

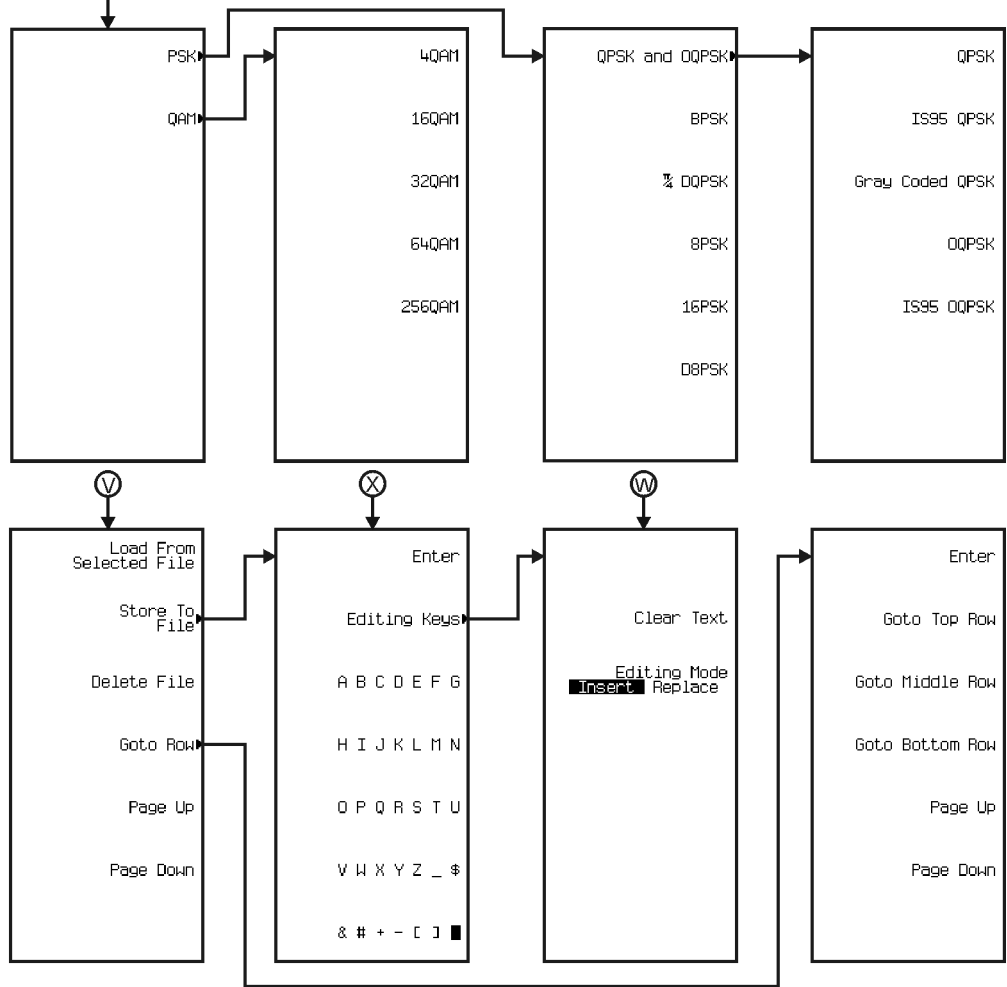


(T) thru (W)
See Next Page

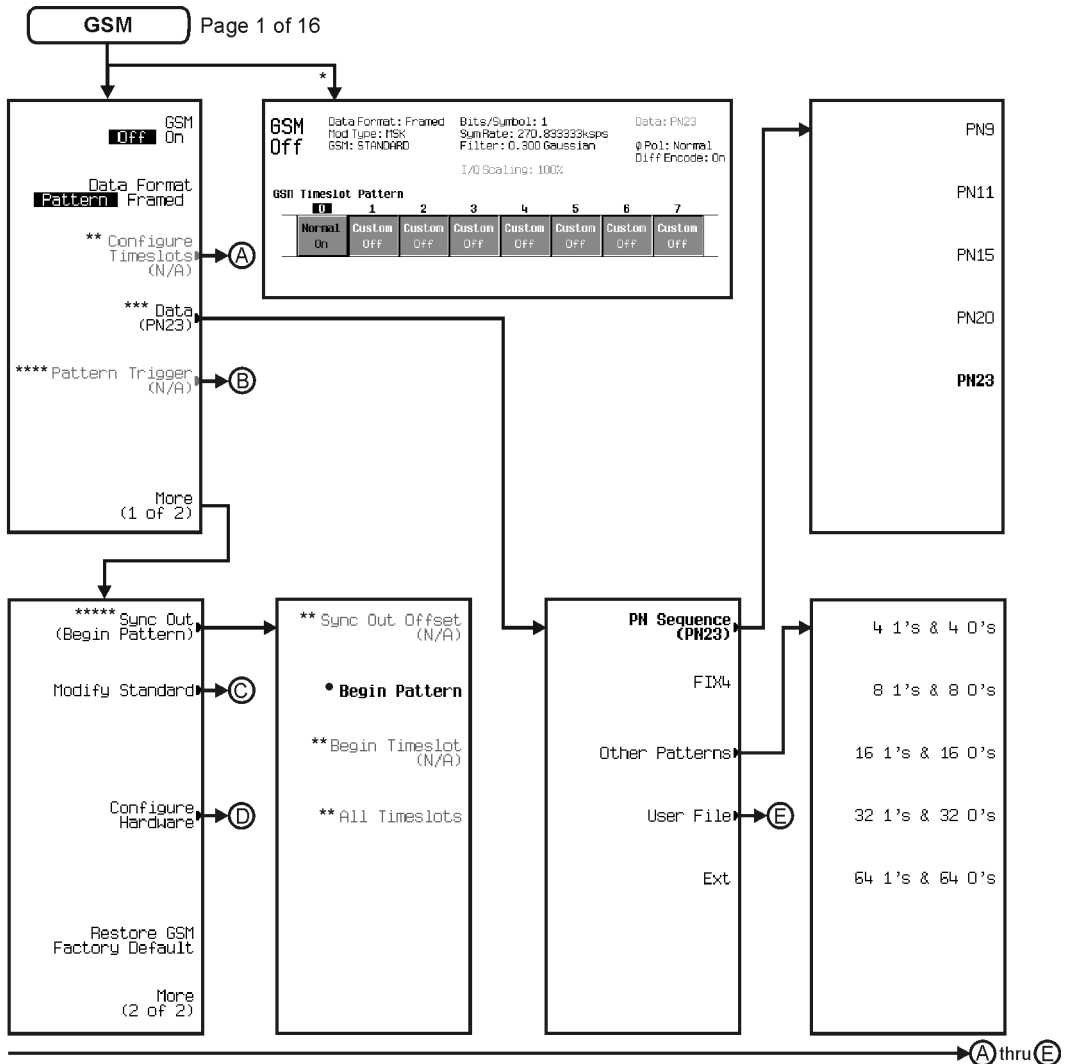
pk7124c

Key and Data Field Menu Maps
Real Time TDMA

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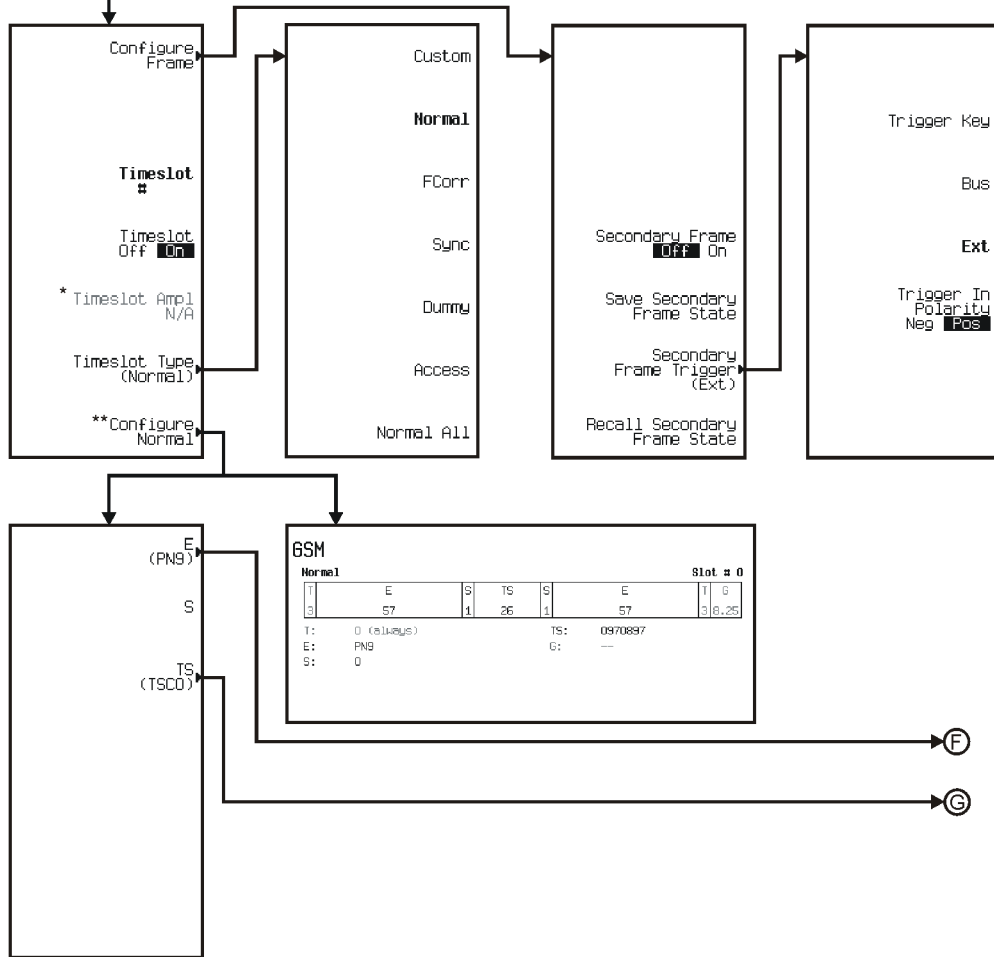
pk7125c



* Appears when the **Data Format Pattern Framed** softkey is set to Framed.
 ** Active when the **Data Format Pattern Framed** softkey is set to Framed.
 *** Inactive when the **Data Format Pattern Framed** softkey is set to Framed.
 **** Becomes active and changes to **Frame Trigger** when the **Data Format Pattern Framed** softkey is set to Framed.
 ***** Changes to **Sync Out (Begin Frame)** when the **Data Format Pattern Framed** softkey is set to Framed.
 • Changes to **Begin Frame** when the **Data Format Pattern Framed** softkey is set to Framed.

Key and Data Field Menu Maps
Real Time TDMA

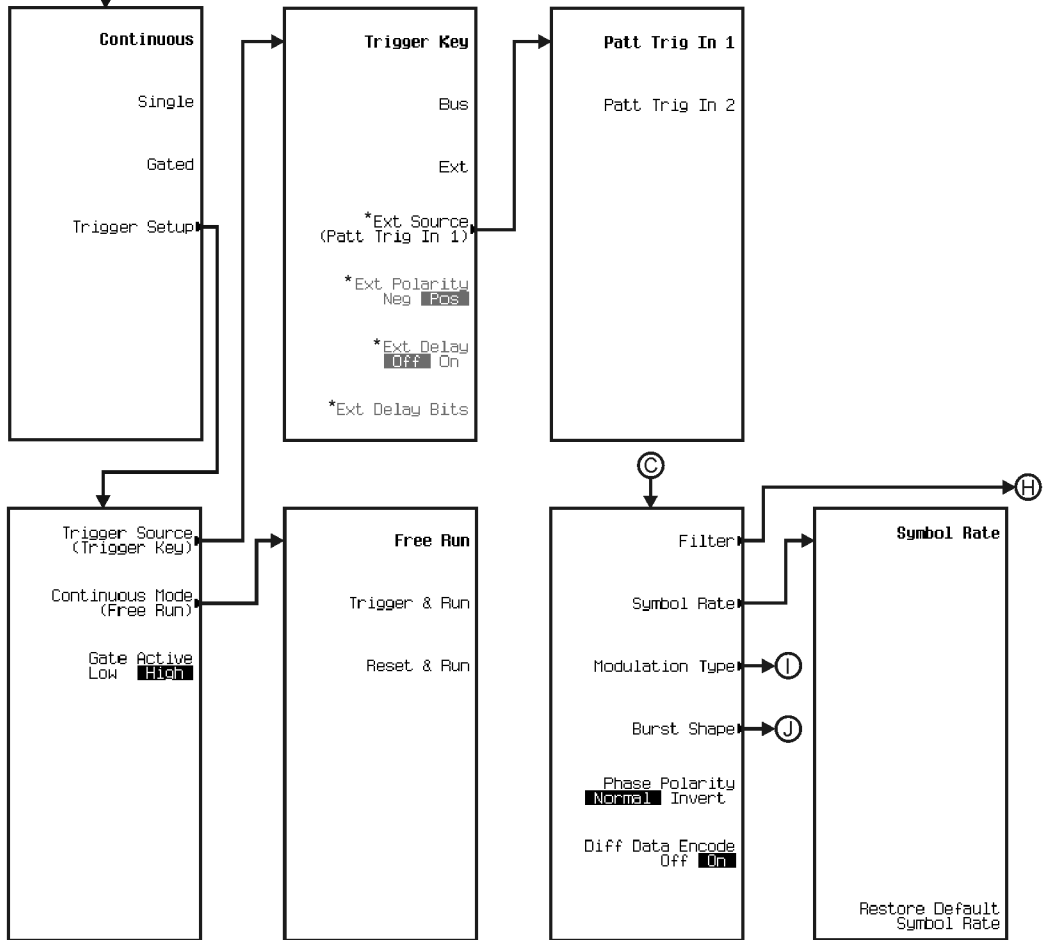
Page 2 of 16 (A)



* This key is activated by pressing Amplitude > More (1 of 2) > Alt Amp Off On, until Alt Amp is on.
**This key and it's sub-level menu selections, change according to the Timeslot Type selected.

pk7127c

Page 3 of 16 (B)



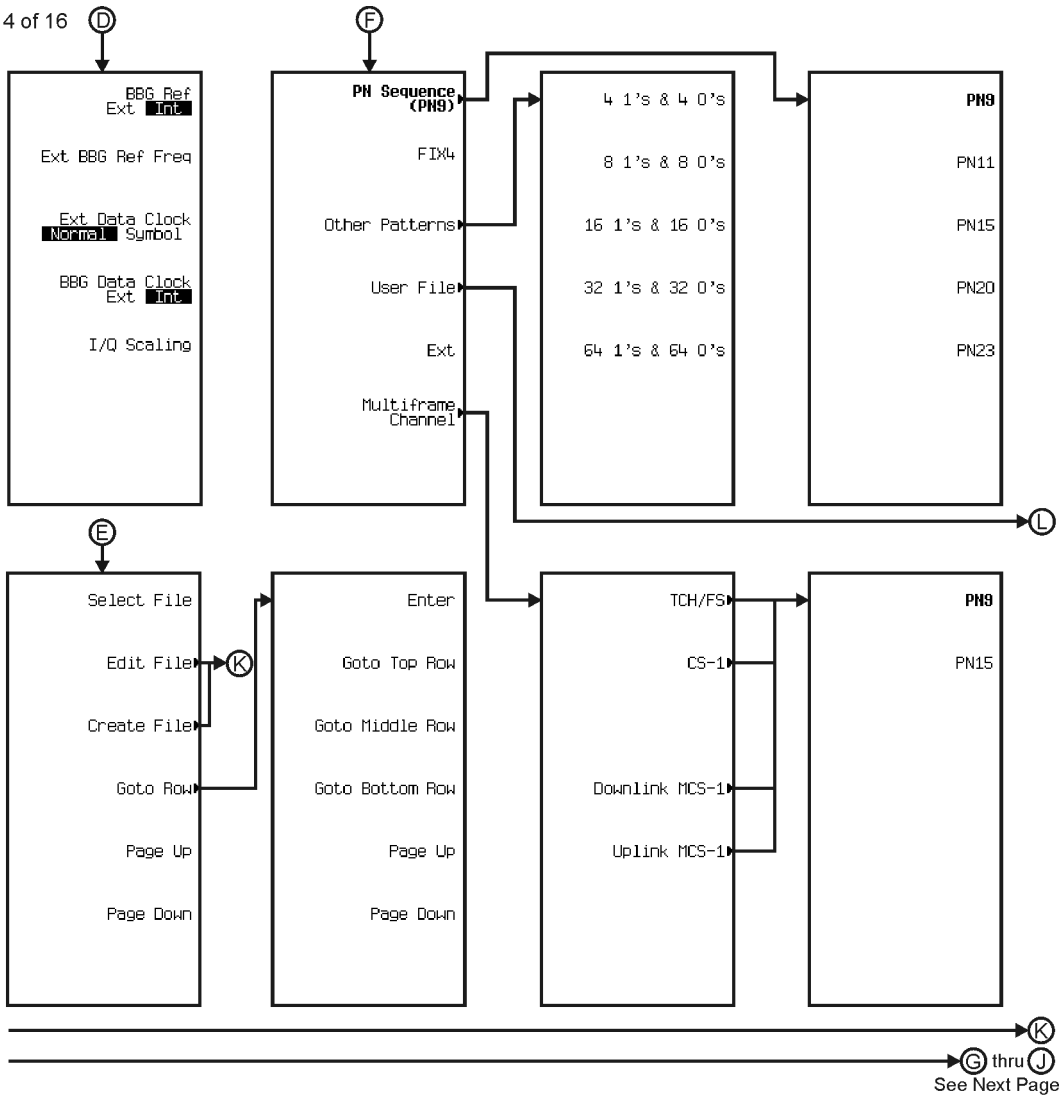
* Active when **Ext** is selected.

(I) and (J)
(D) thru (G)
See Next Page

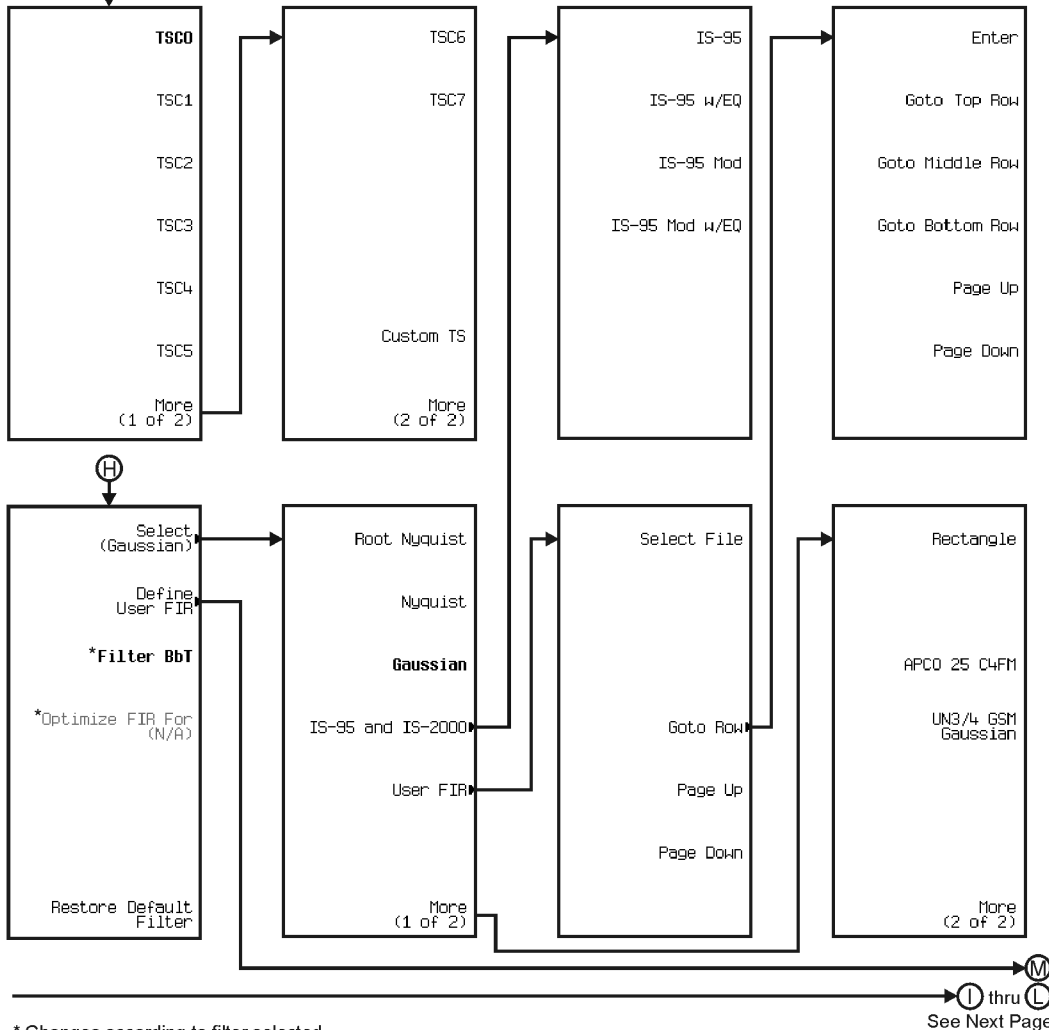
pk7128c

Key and Data Field Menu Maps
Real Time TDMA

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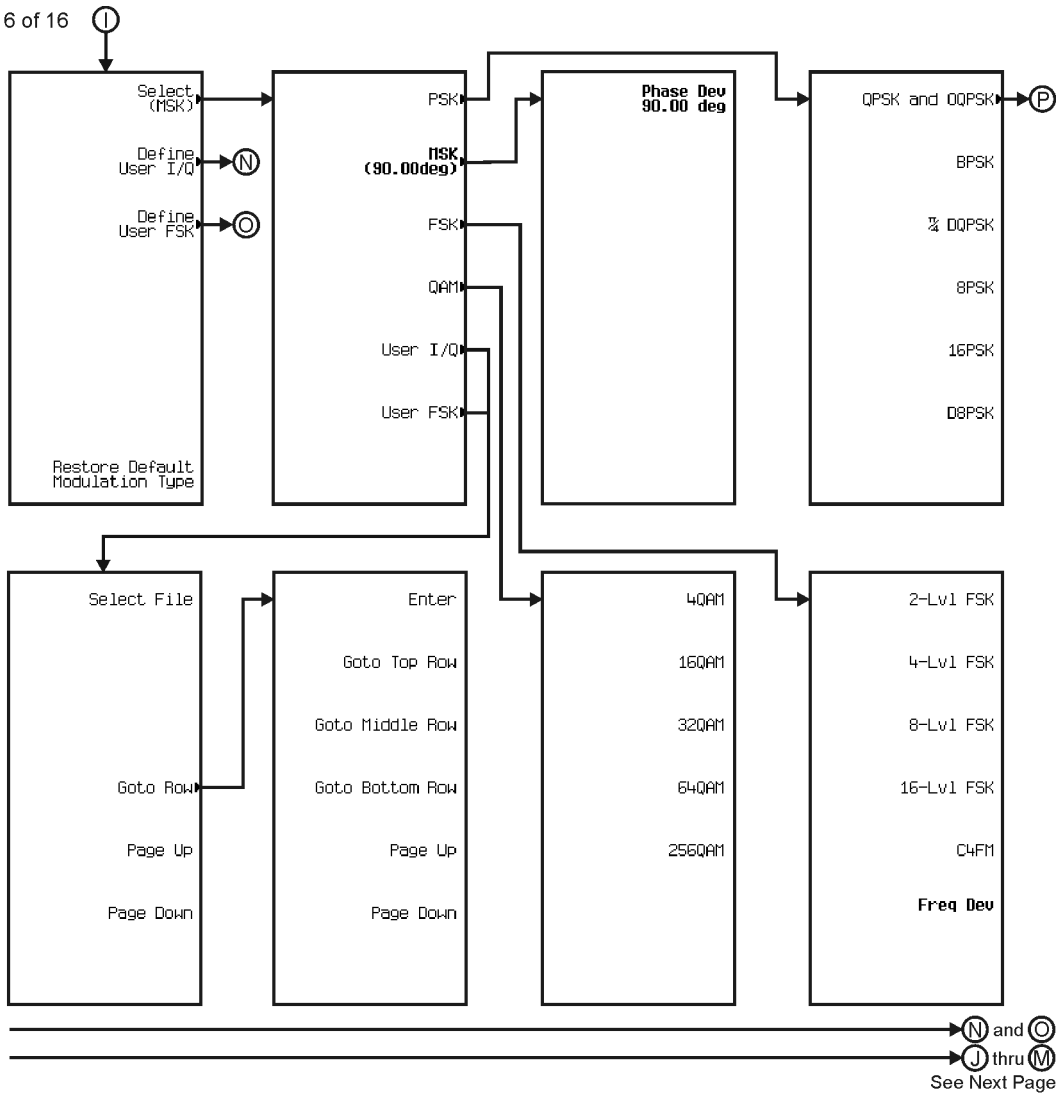
pk7129c




* Changes according to filter selected.

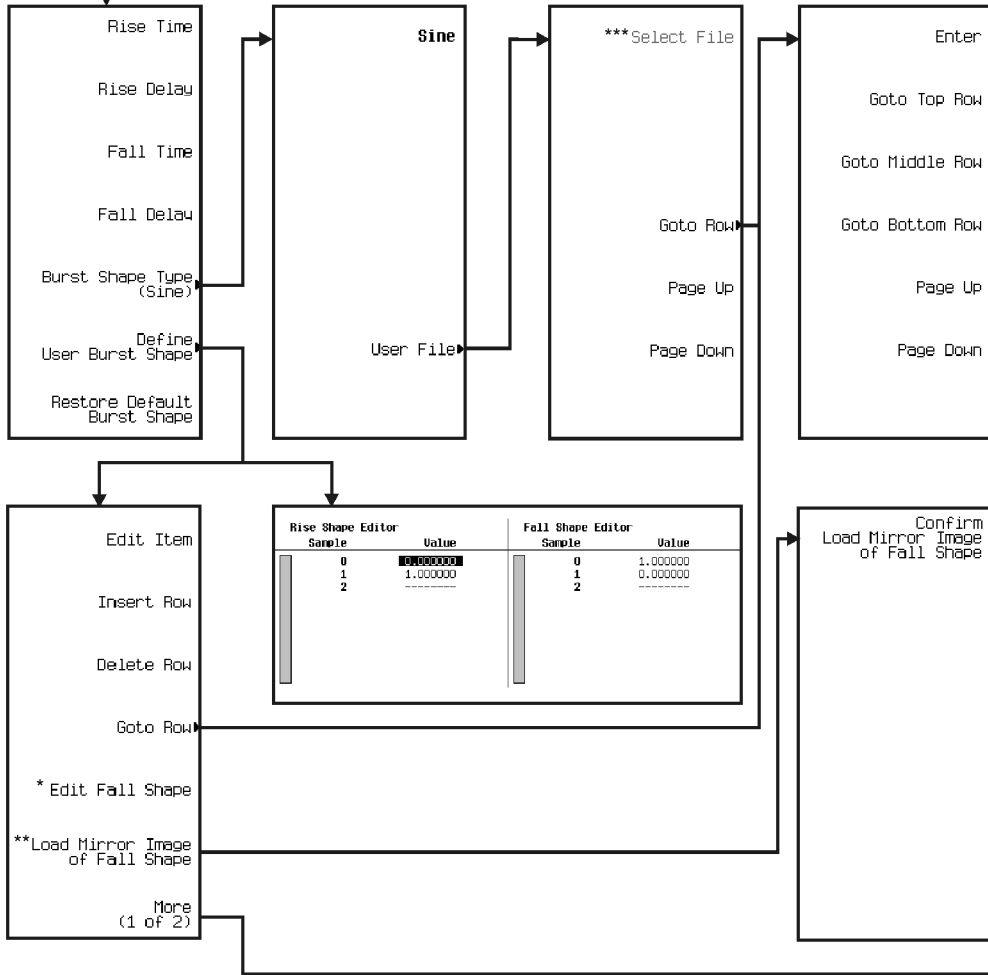
Key and Data Field Menu Maps
Real Time TDMA

Page 6 of 16





pk7131c

Page 7 of 16 



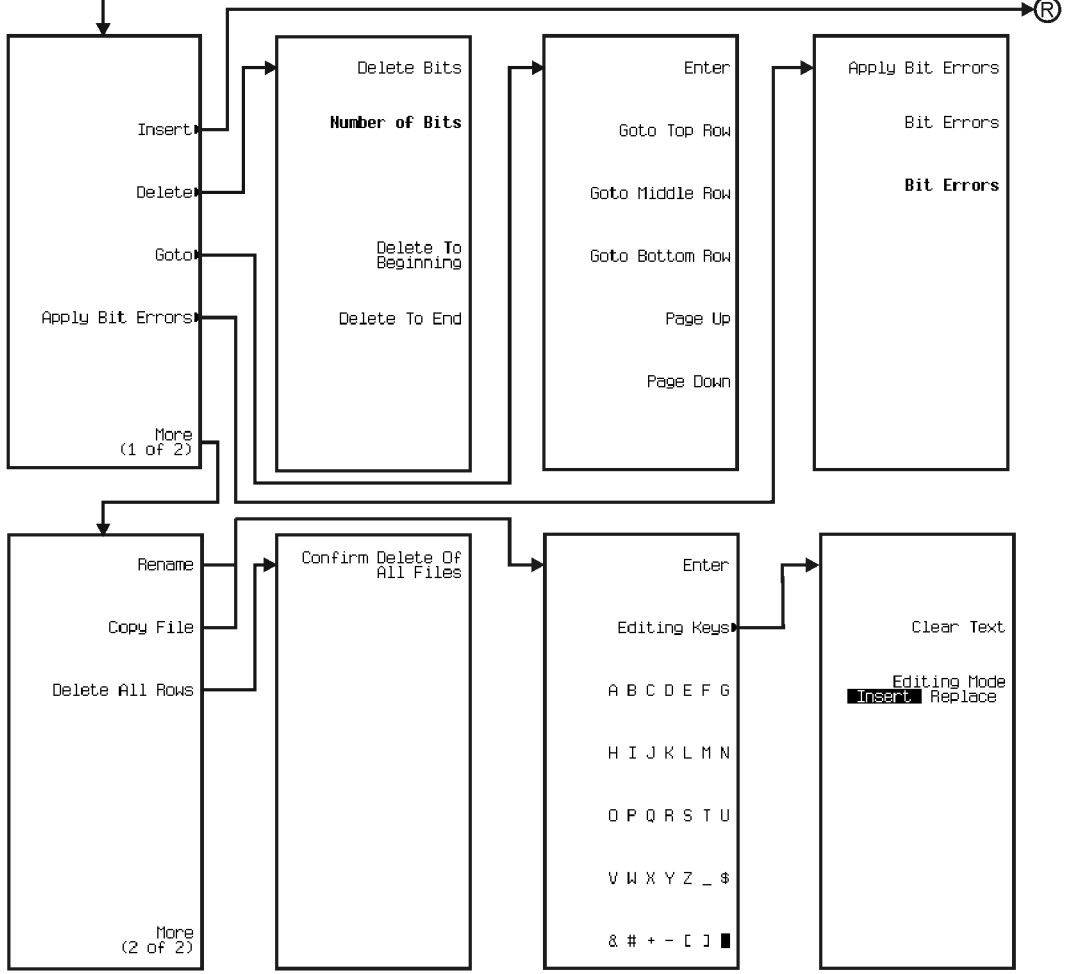
* This key changes to **Edit Rise Shape** when pressed.
 ** When **Edit Fall Shape** is pressed this key changes to **Load Mirror Image of Rise Shape**.
 *** For this key to be active, there must be a file to select.

 thru 
See Next Page

pk7132c

Key and Data Field Menu Maps
Real Time TDMA

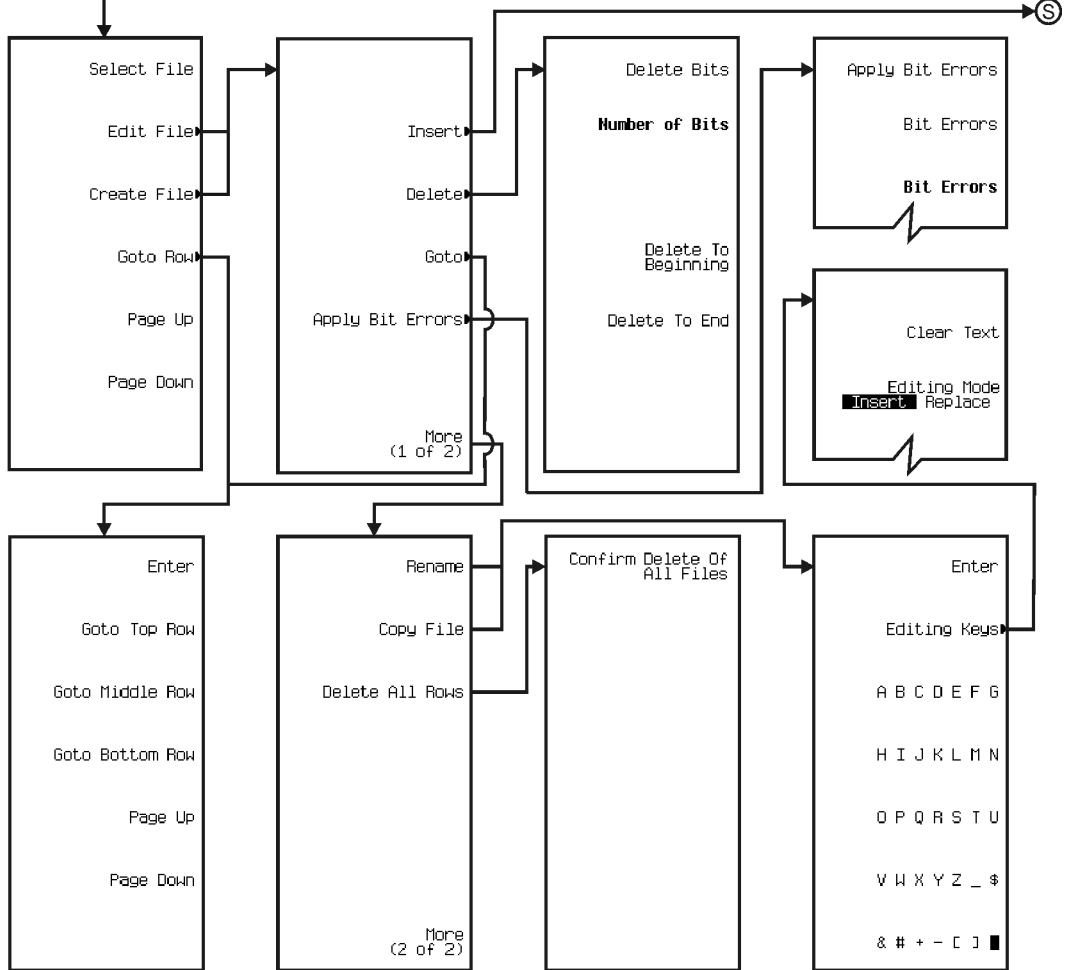
Page 8 of 16 (K)



(L) thru (Q)
 See Next Page

pk7133c

Page 9 of 16 (L)

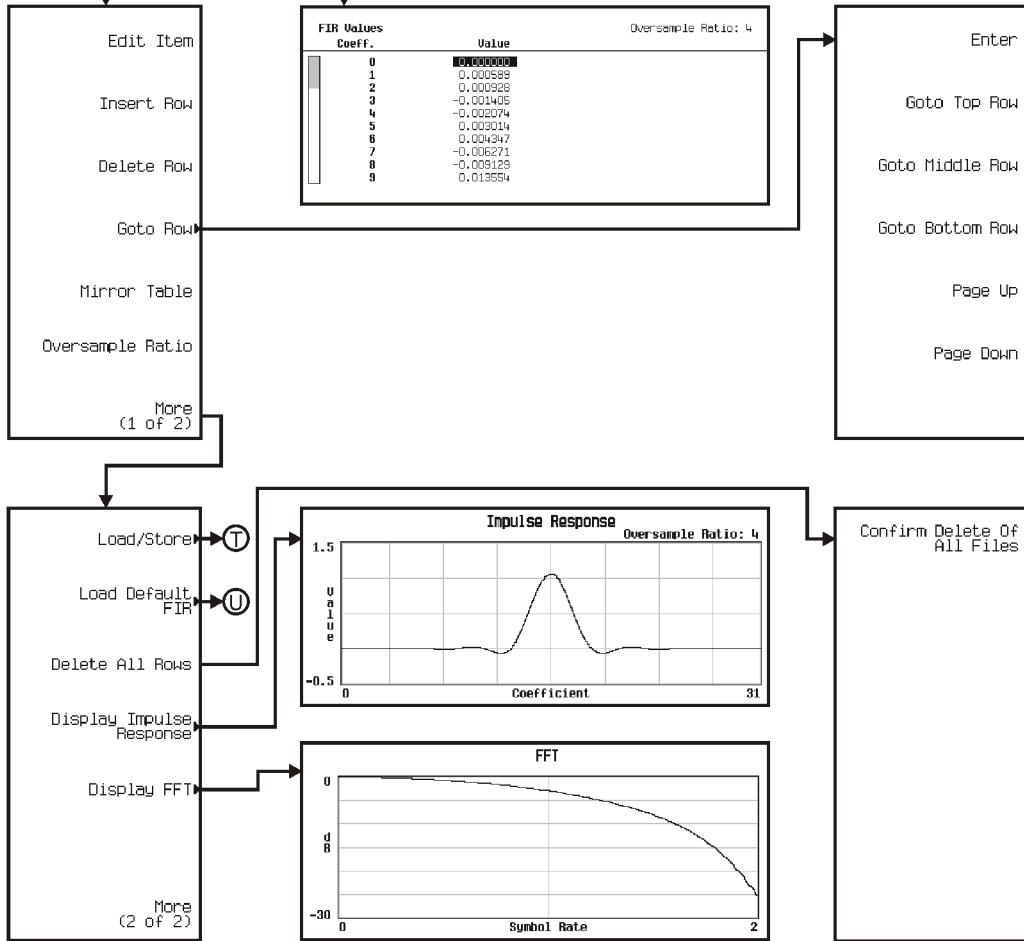


(M) thru (R)
See Next Page

pk7134c

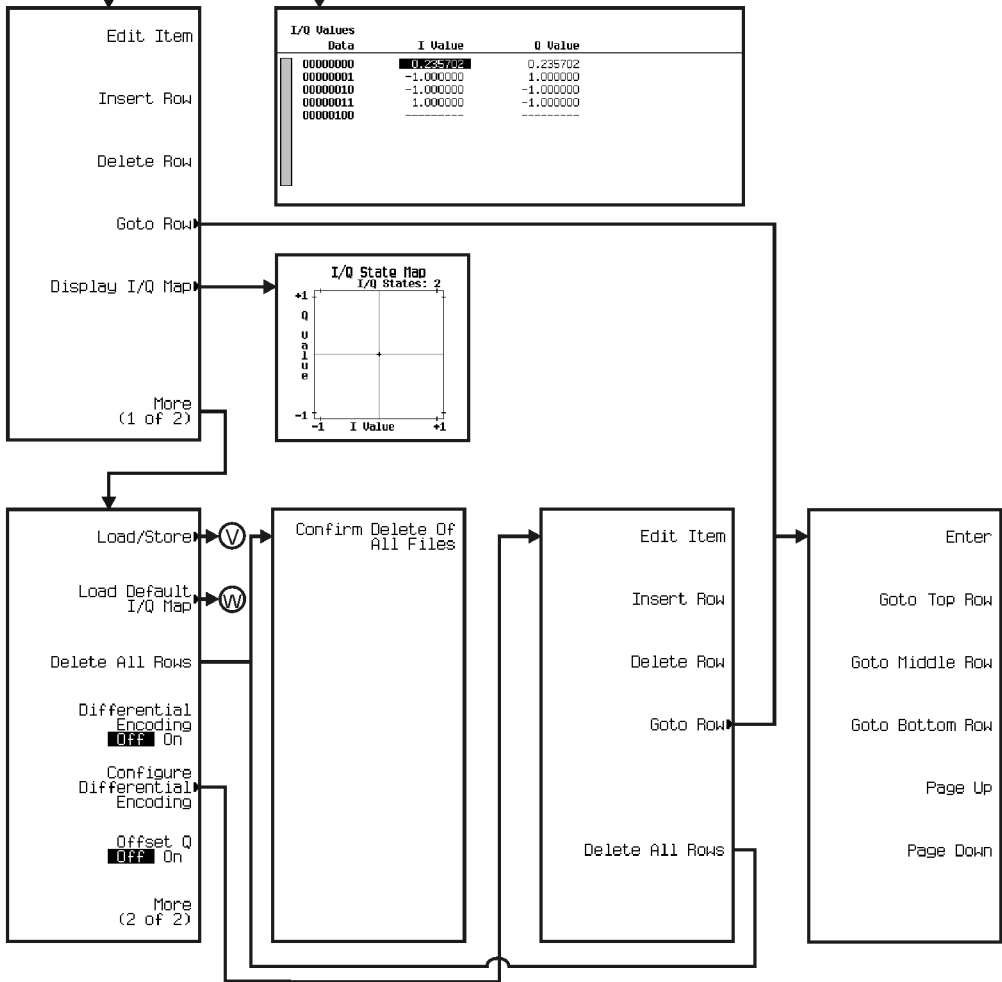
Key and Data Field Menu Maps
Real Time TDMA

Page 10 of 16 (M)



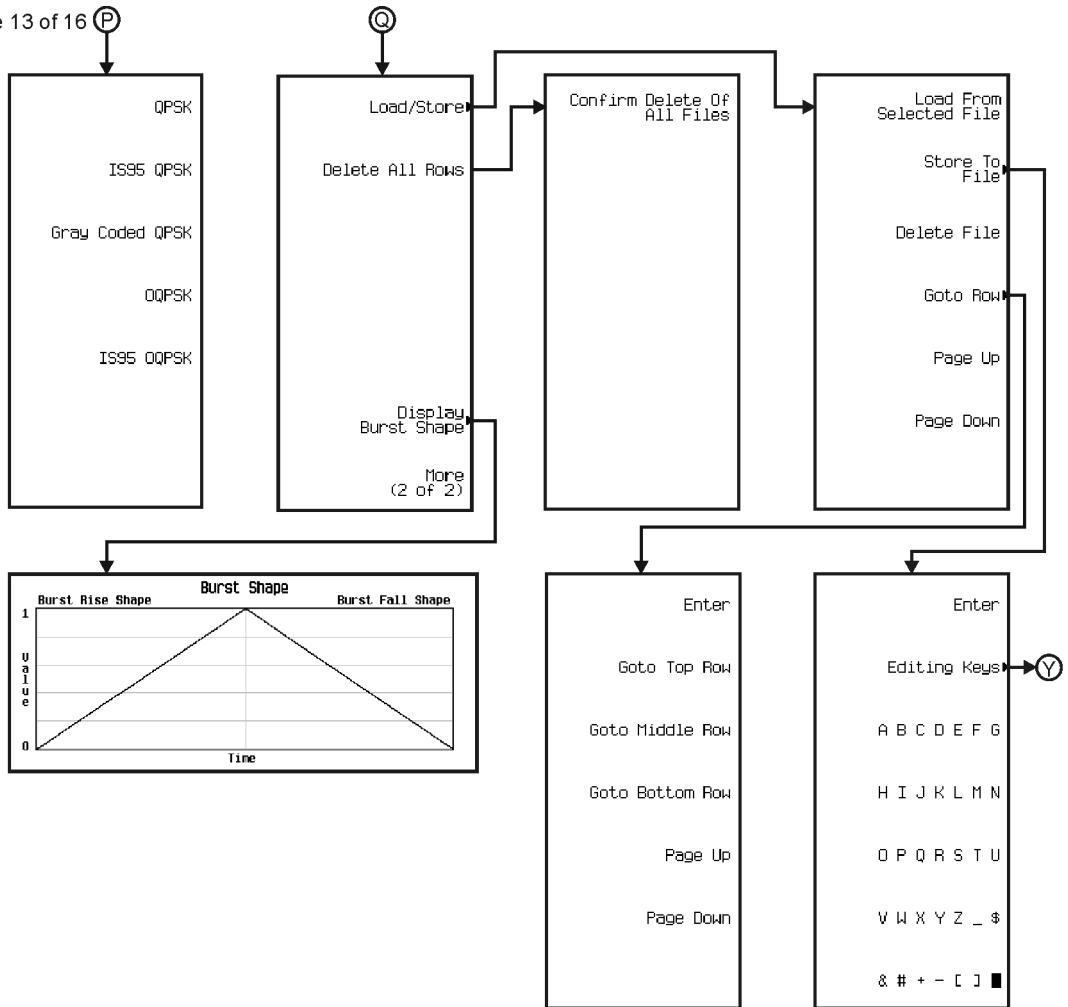
(T) and (U)
(N) thru (S)
See Next Page

pk7113c



V and **W**
O thru **L**
See Next Page

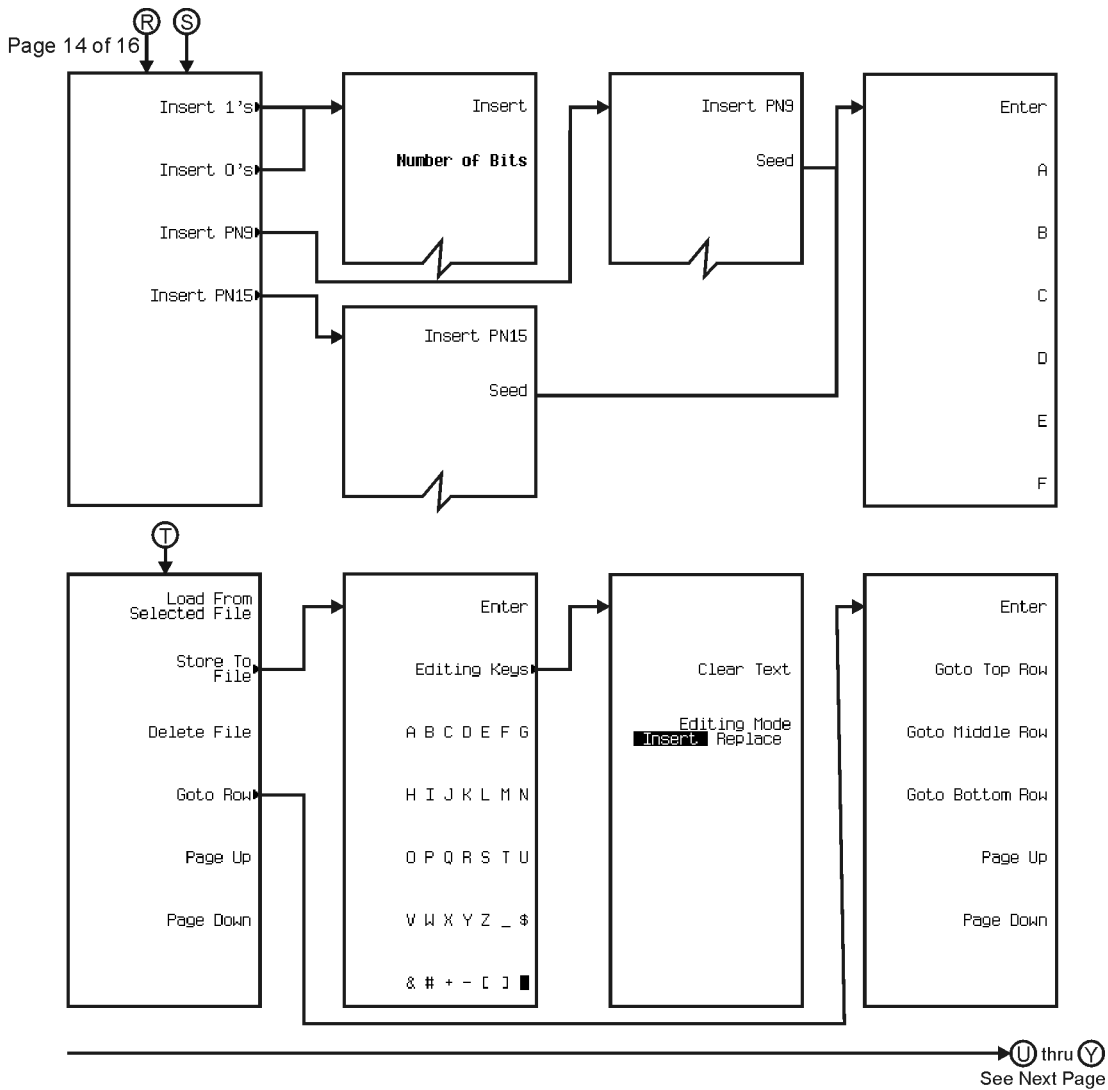
Page 13 of 16 (P)



➔ (R) thru (X)
See Next Page

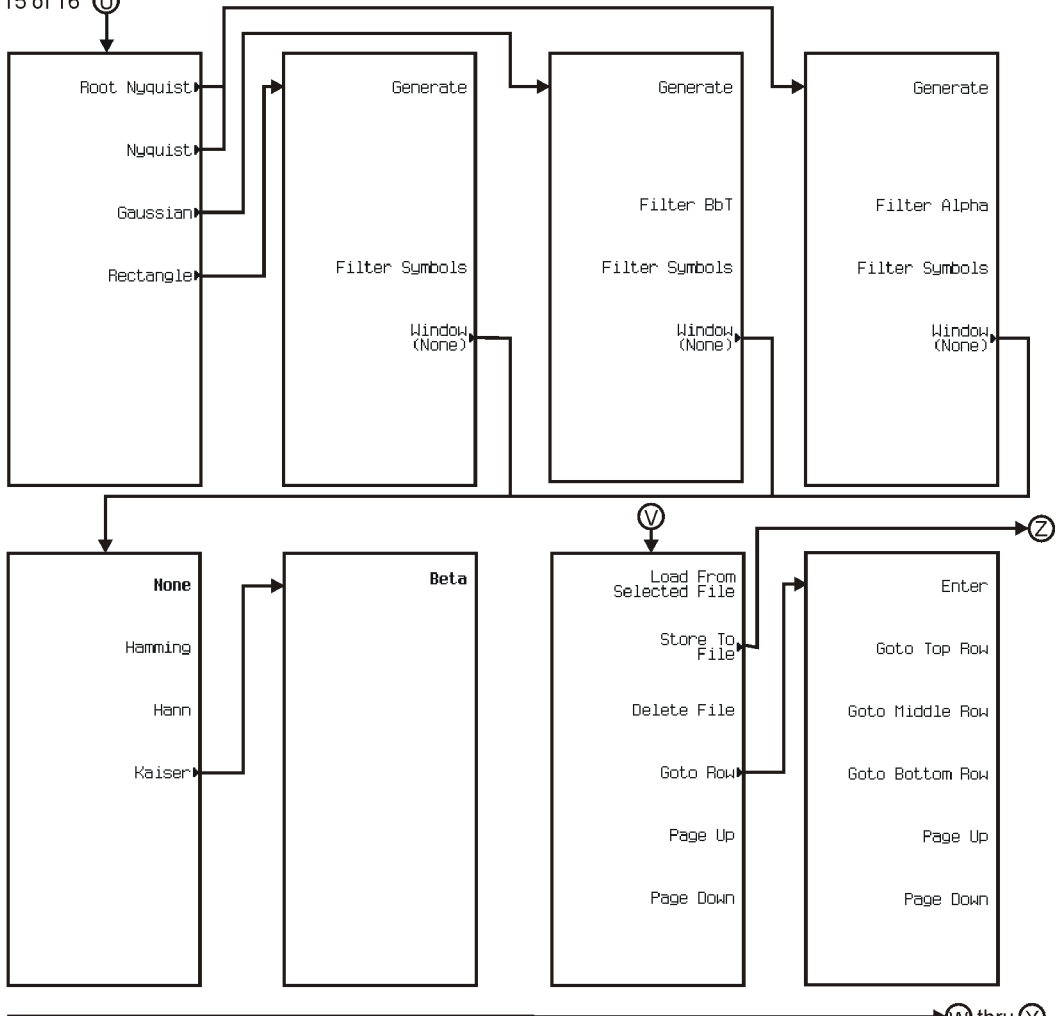
pk7137c

Key and Data Field Menu Maps
Real Time TDMA



pk7138c


Page 15 of 16 **U**

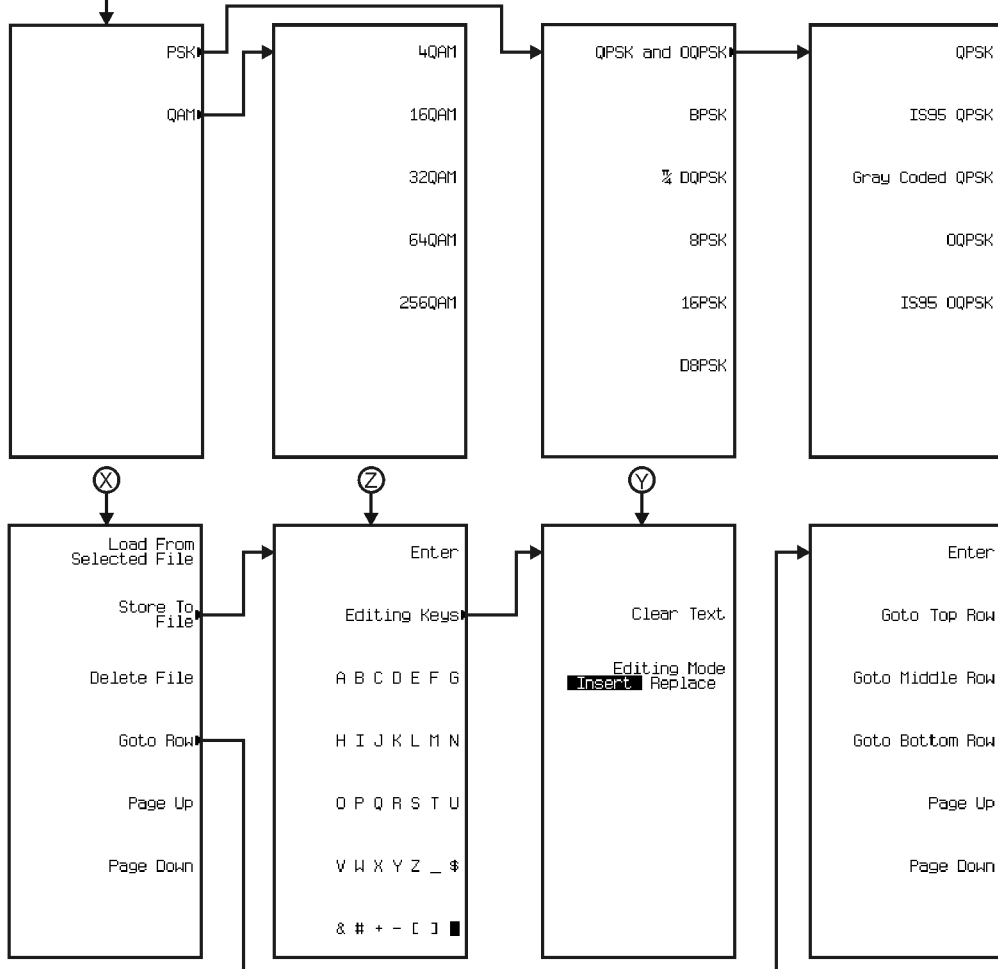


W thru **Y**
 See Next Page

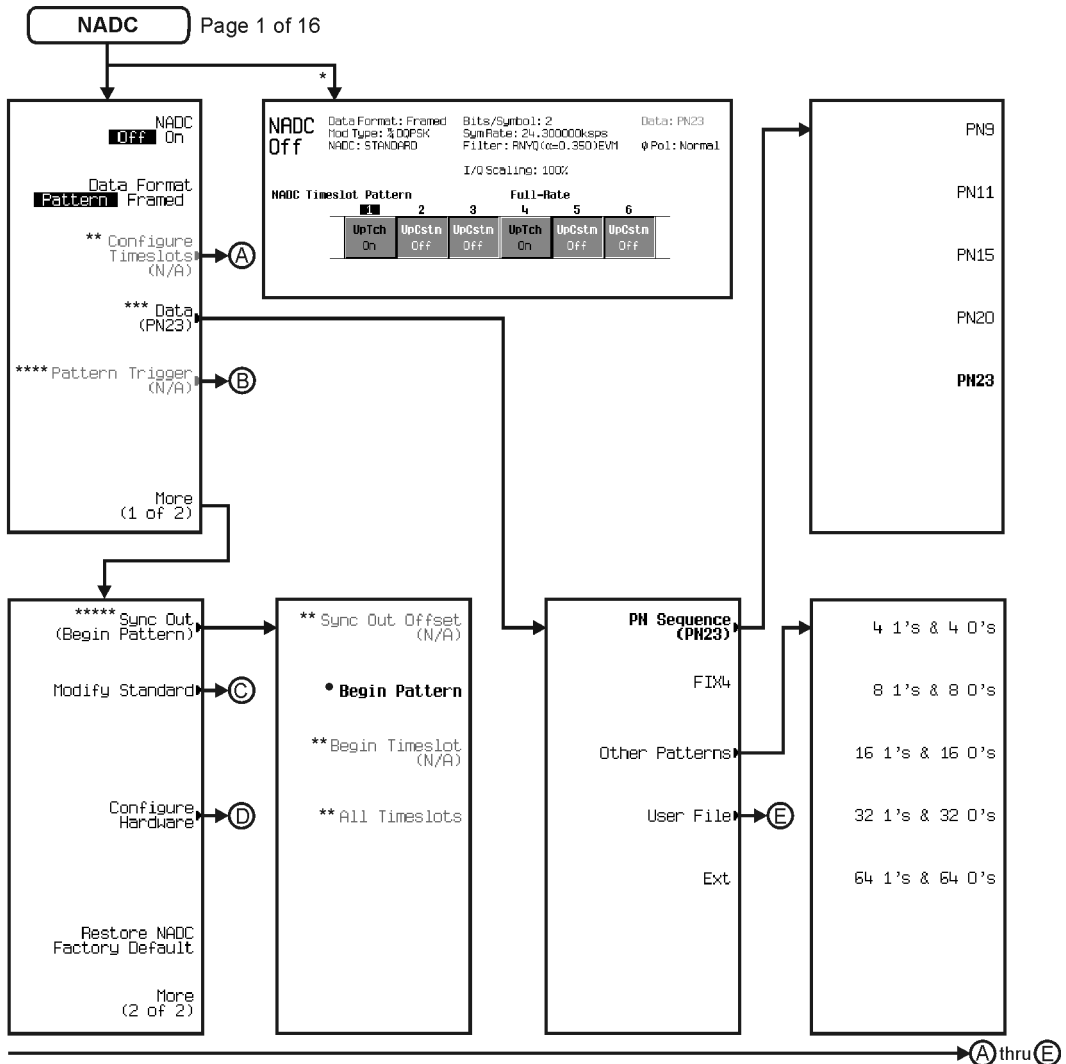
pk7118c

Key and Data Field Menu Maps
 Real Time TDMA

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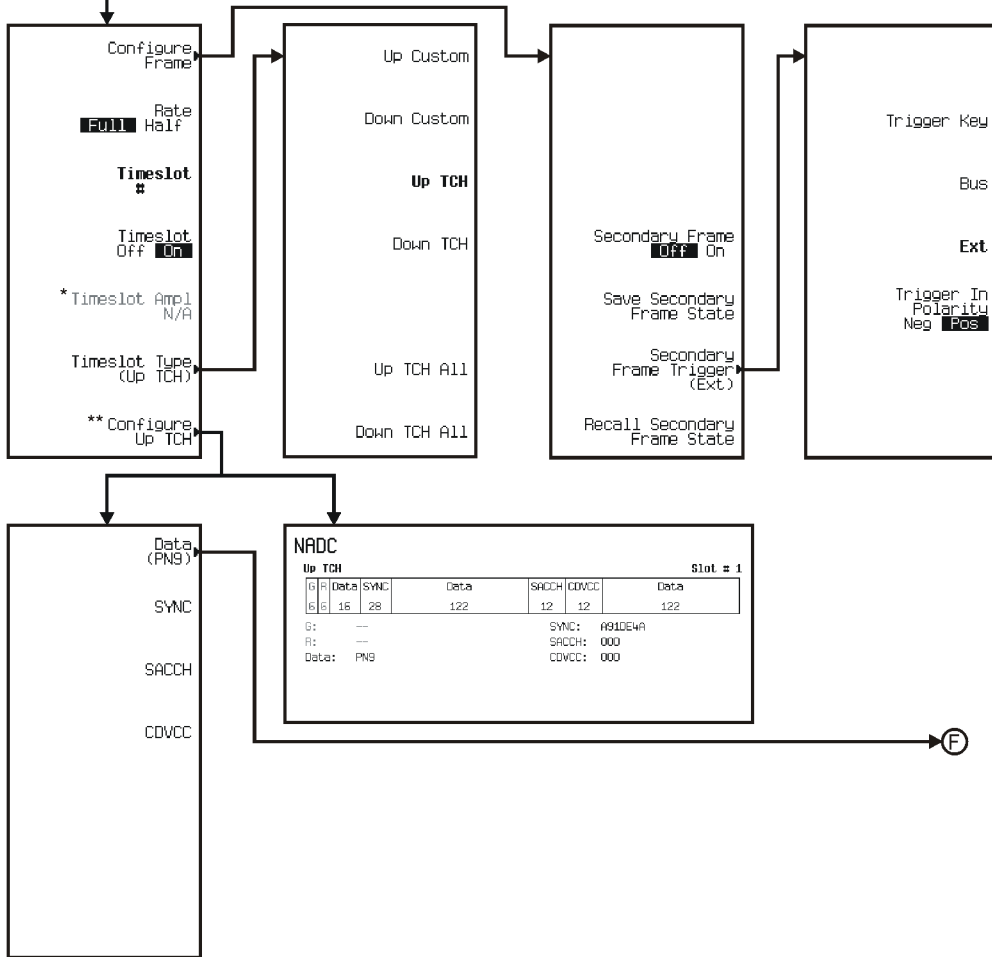
pk7139c



* Appears when the **Data Format Pattern Framed** softkey is set to Framed.
 ** Active when the **Data Format Pattern Framed** softkey is set to Framed.
 *** Inactive when the **Data Format Pattern Framed** softkey is set to Framed.
 **** Becomes active and changes to **Frame Trigger** when the **Data Format Pattern Framed** softkey is set to Framed.
 ***** Changes to **Sync Out (Begin Frame)** when the **Data Format Pattern Framed** softkey is set to Framed.
 • Changes to **Begin Frame** when the **Data Format Pattern Framed** softkey is set to Framed.

Key and Data Field Menu Maps
Real Time TDMA

Page 2 of 16 (A)

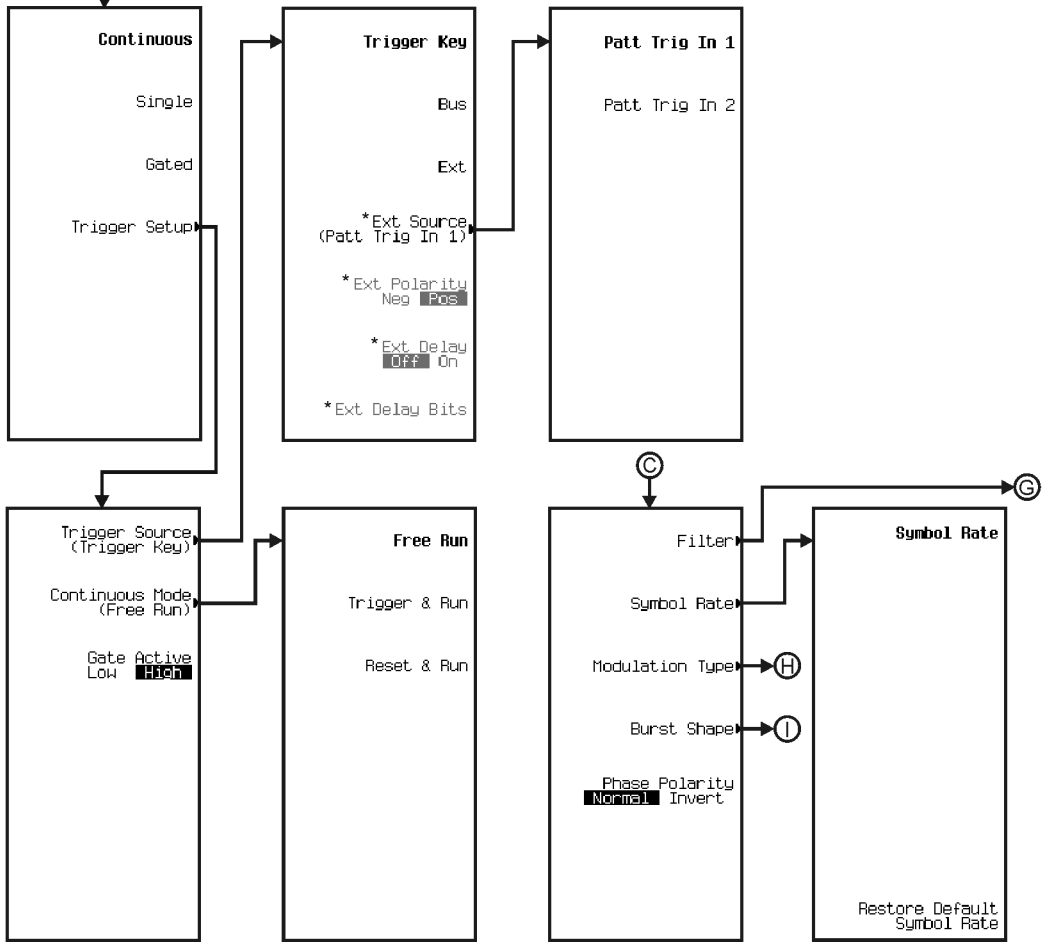


* This key is activated by pressing Amplitude > More (1 of 2) > Alt Amp Off On, until Alt Amp is on.
 **This key and it's sub-level menu selections, change according to the Timeslot Type selected.

(B) thru (E)
See Next Page

pk7141c

Page 3 of 16 (B)



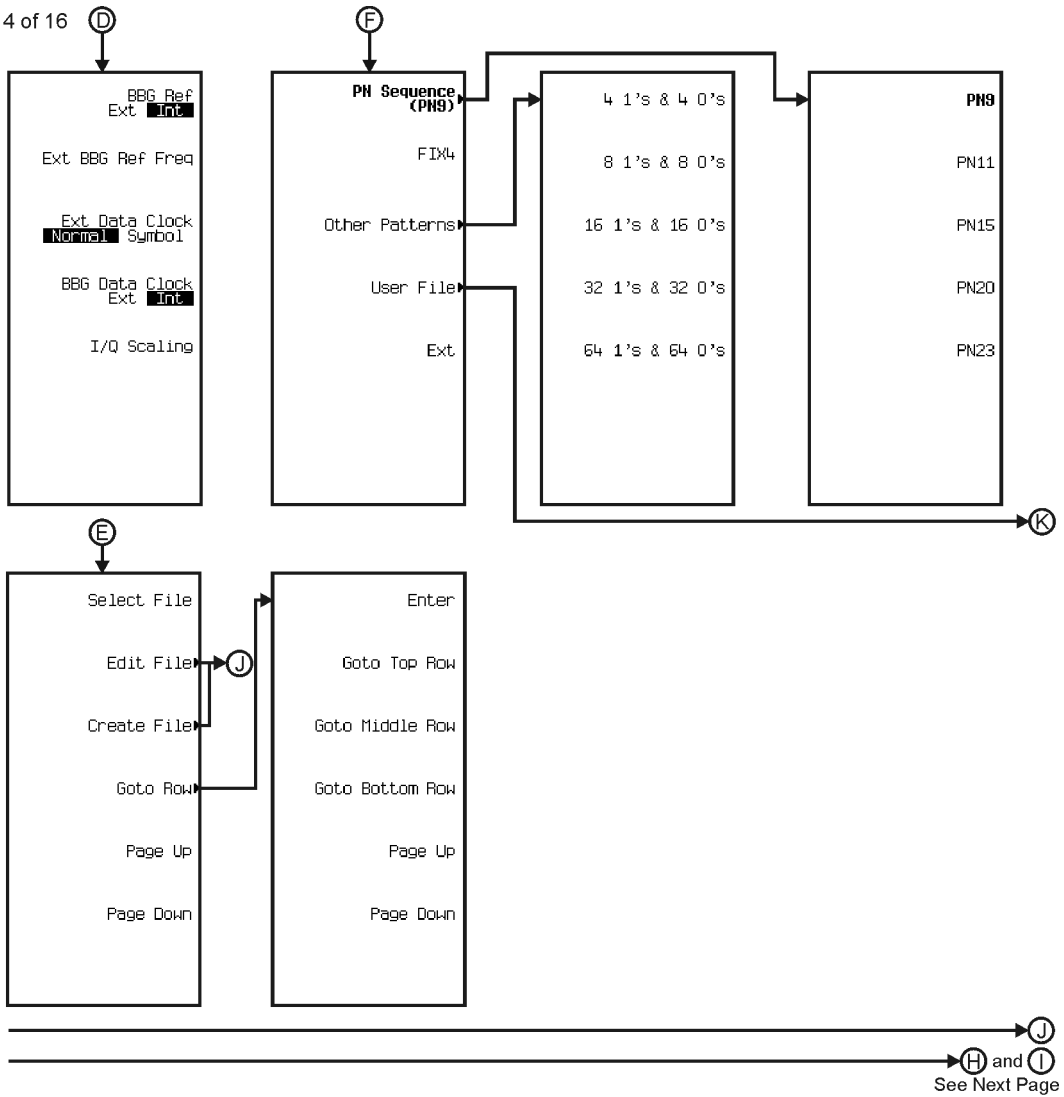
* Activate by pressing Ext.

(H) and (I)
(D) and (E)
See Next Page

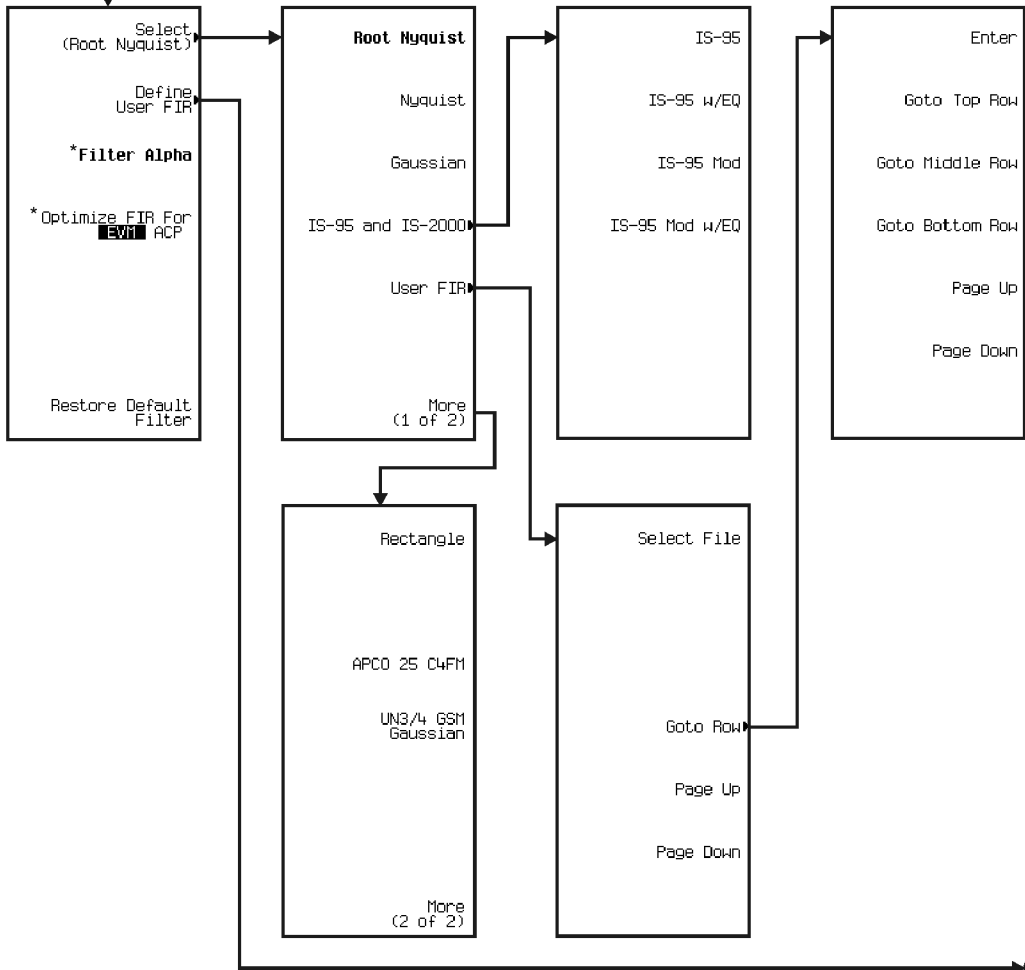
pk7142c

Key and Data Field Menu Maps
Real Time TDMA

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pk7143c



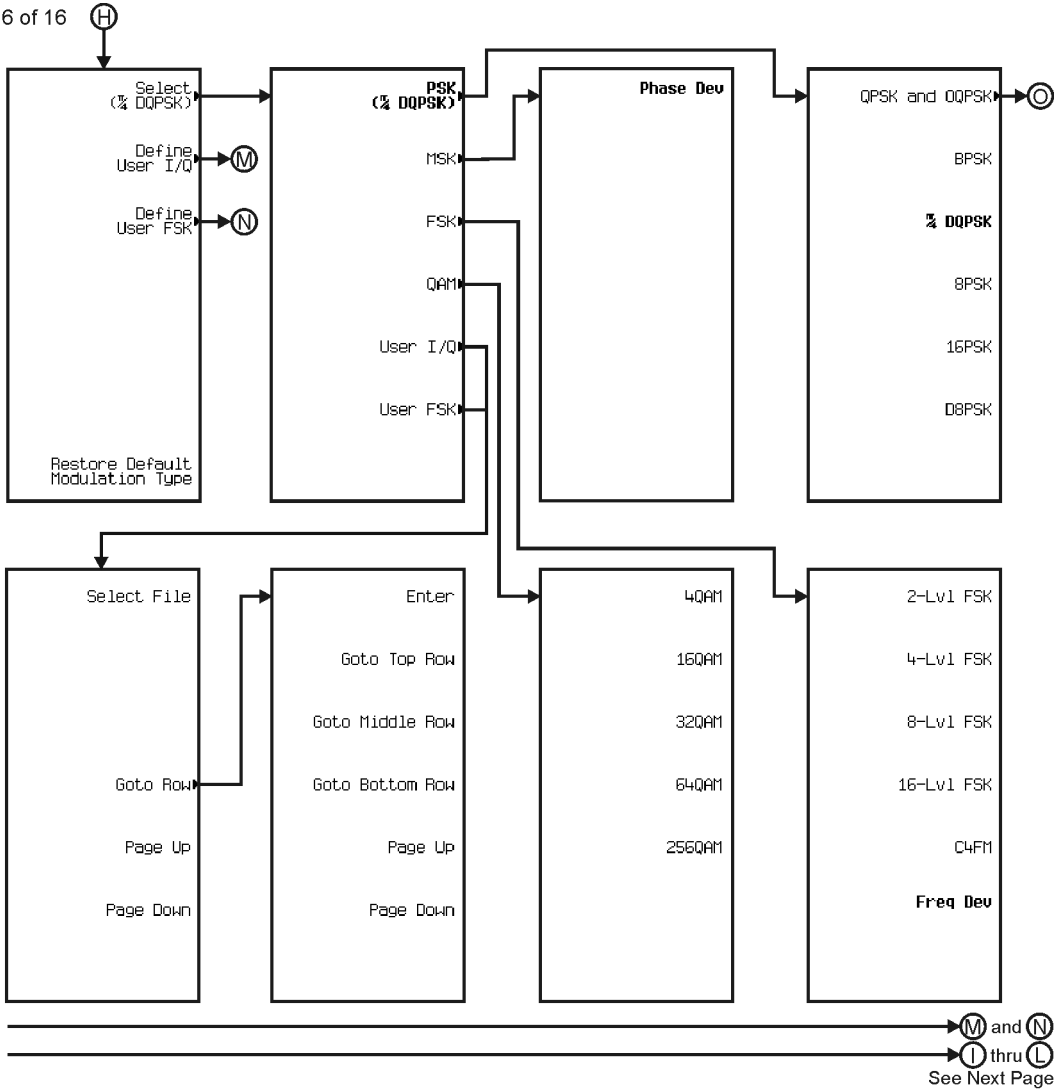
* Changes according to filter selected.

→ H thru K
See Next Page

pk7144c

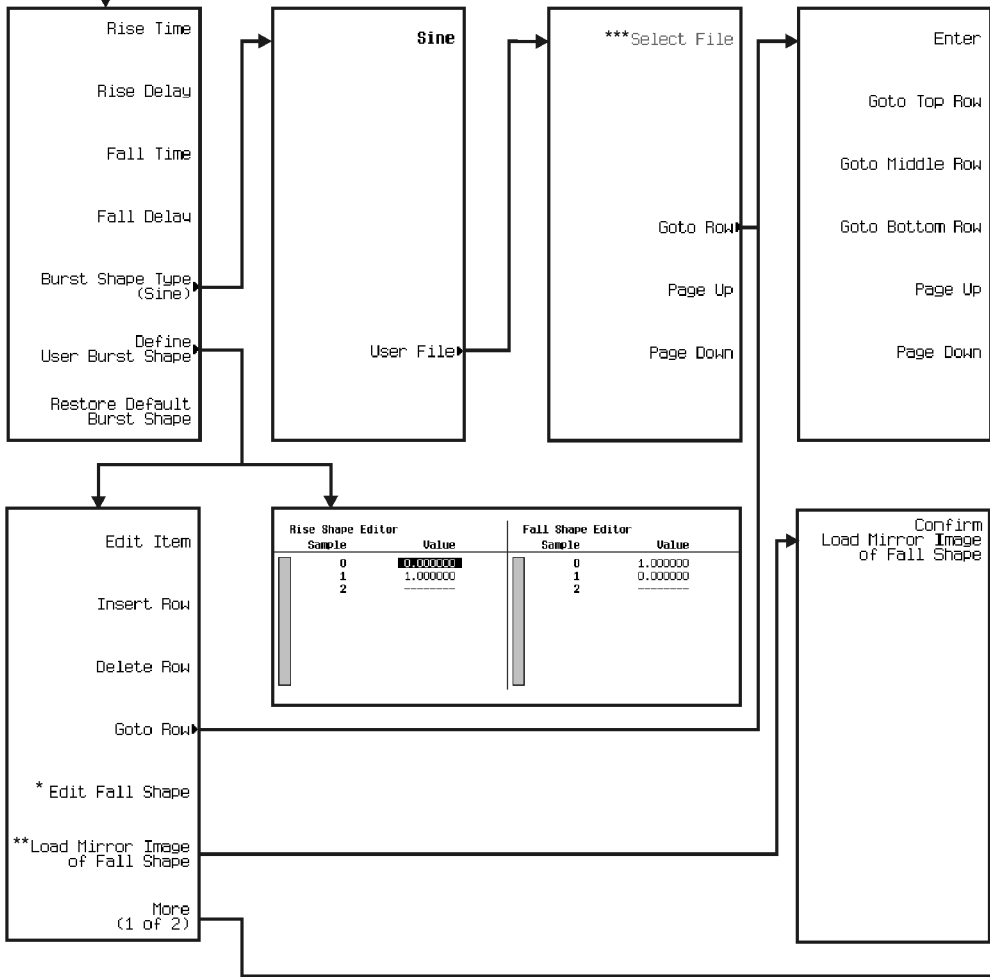
Key and Data Field Menu Maps
Real Time TDMA

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pk7145c

Page 7 of 16 ①

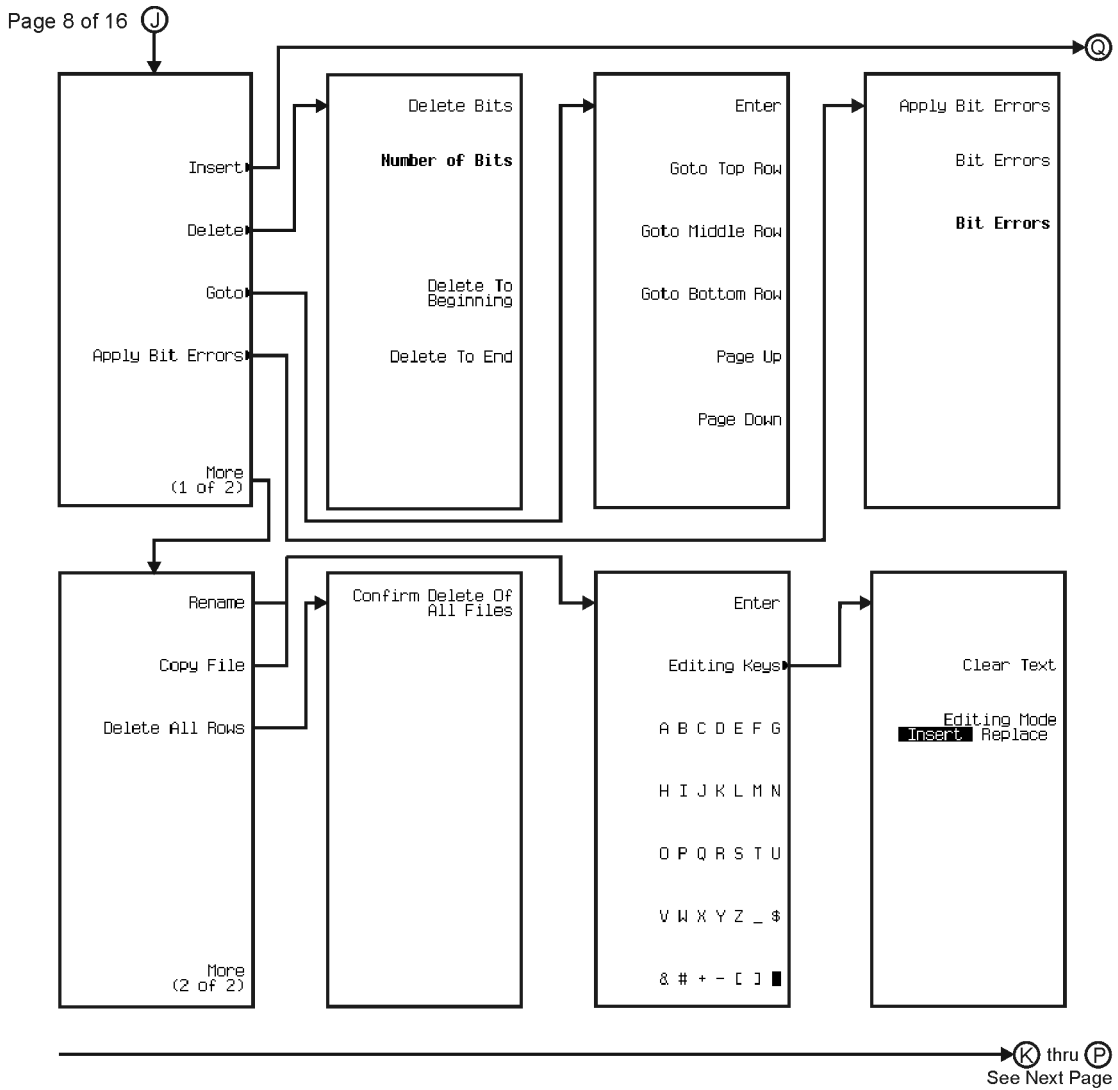


* This key changes to **Edit Rise Shape** when pressed.
 ** When **Edit Fall Shape** is pressed this key changes to **Load Mirror Image of Rise Shape**.
 *** For this key to be active, there must be a file to select.

①
 P
 J thru C
 See Next Page

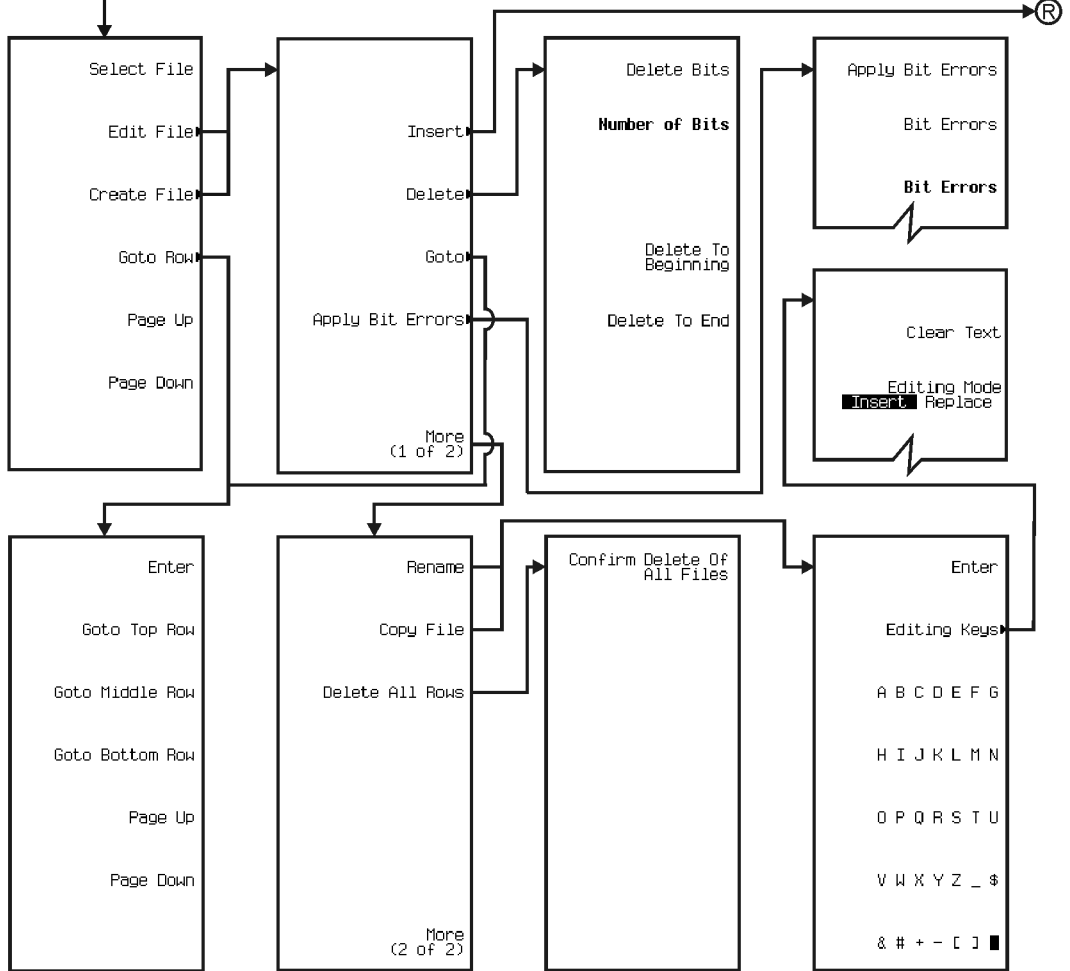
pk7146c

Key and Data Field Menu Maps
Real Time TDMA



pk7147c

Page 9 of 16 (K)

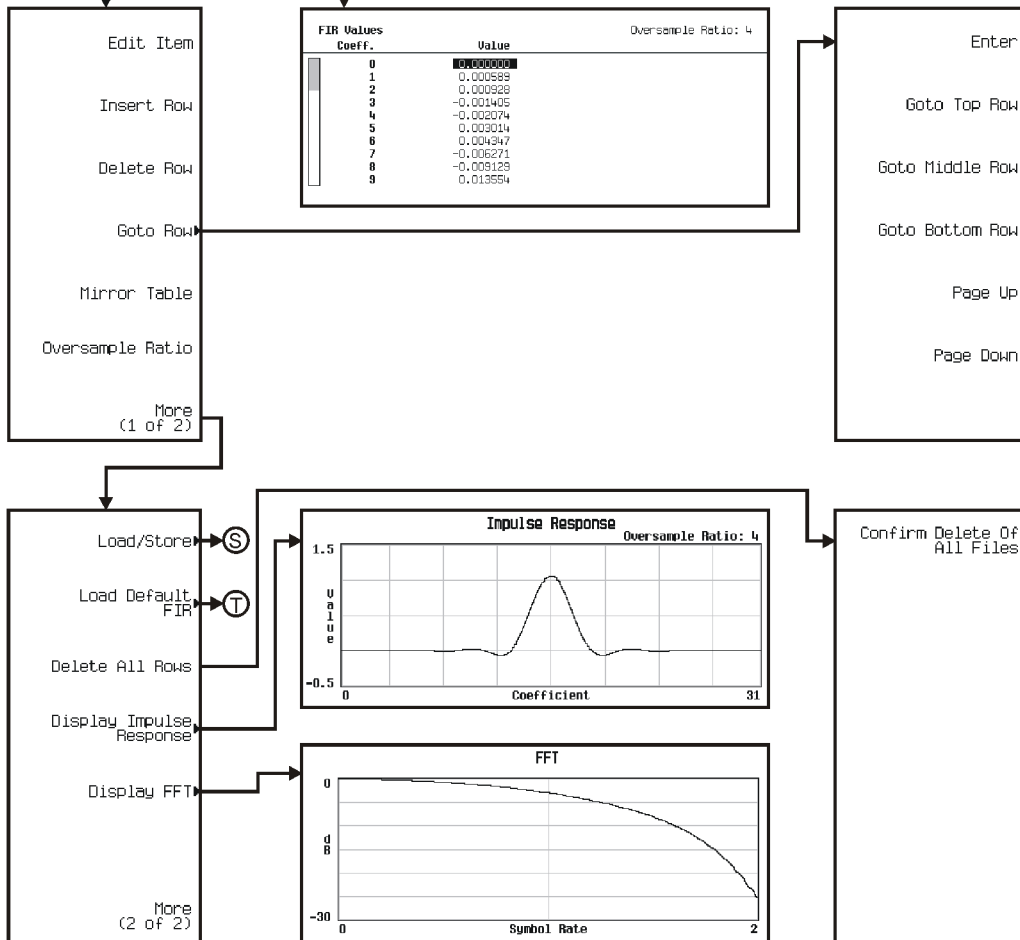


(L) thru (O)
See Next Page

pk7148c

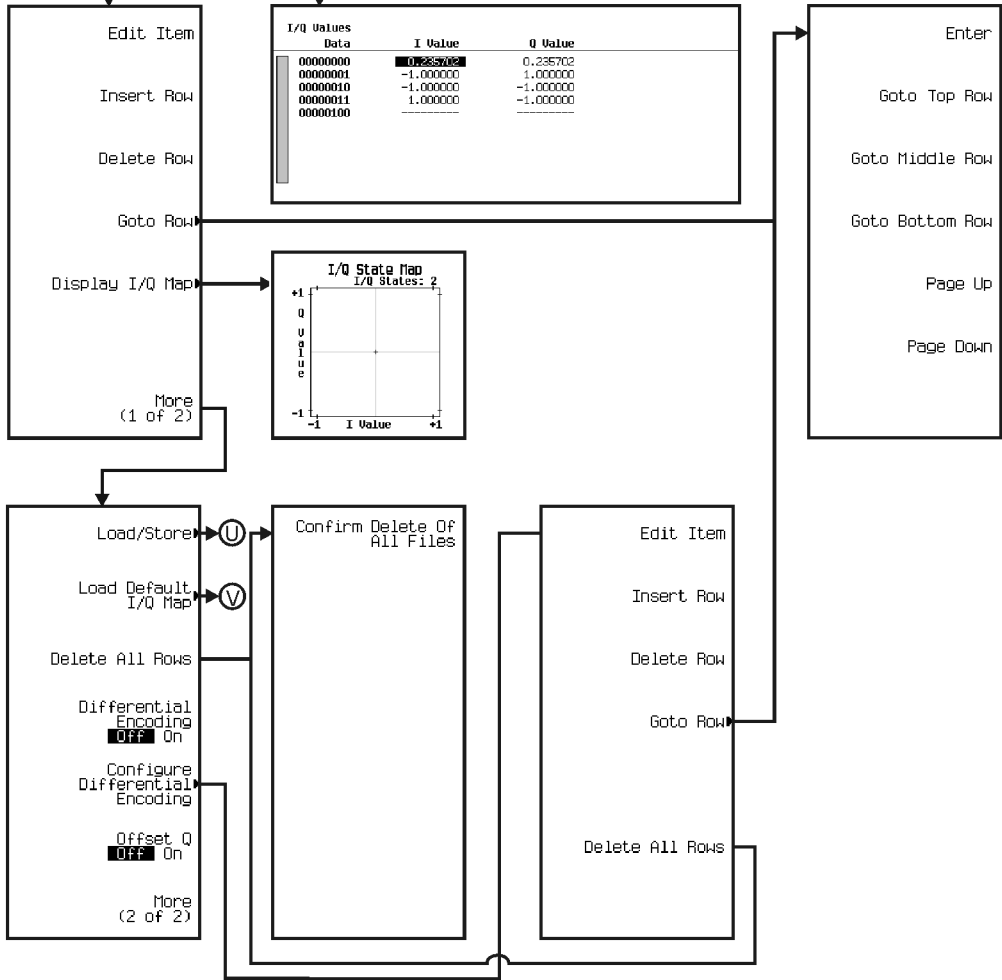
Key and Data Field Menu Maps
Real Time TDMA

Page 10 of 16 (L)



(S) and (T)
(M) thru (R)
See Next Page

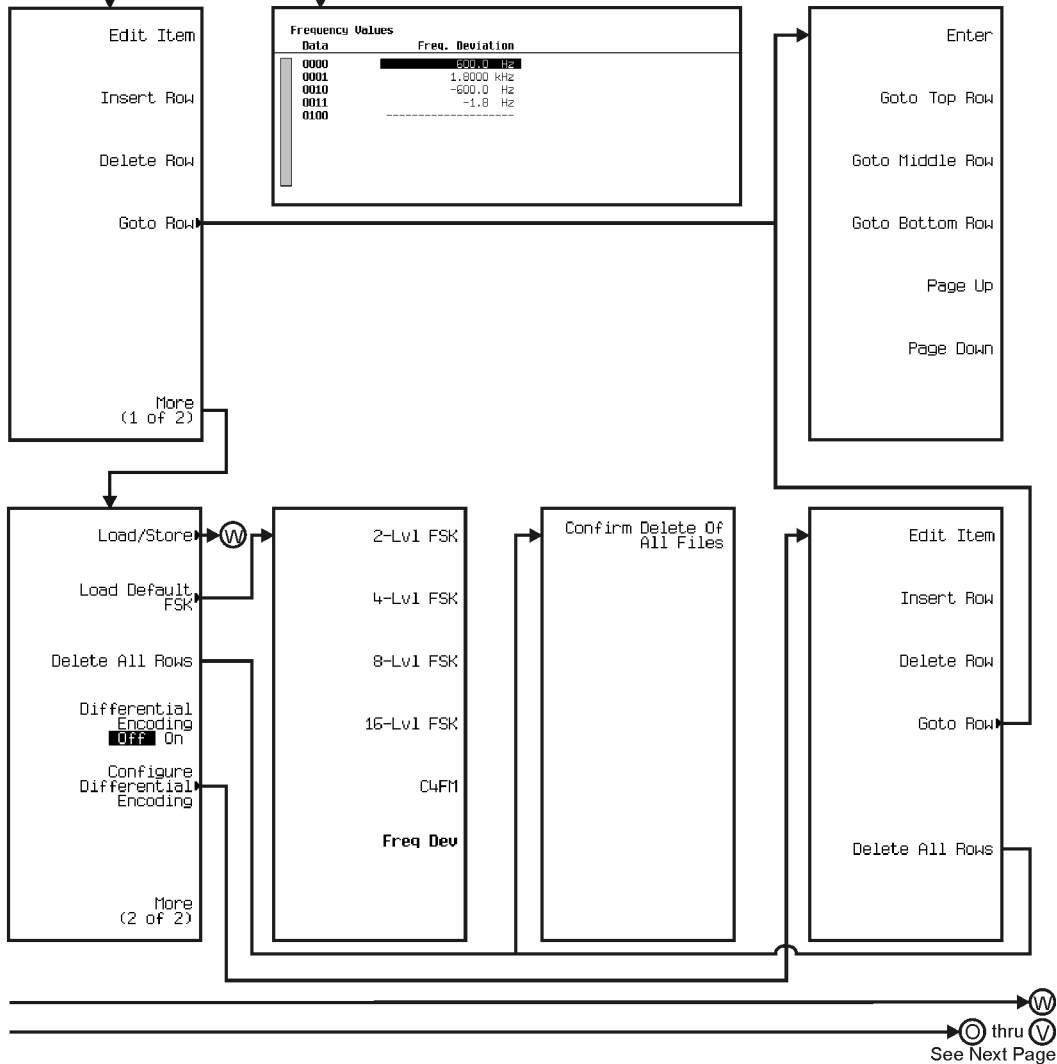
pk7149c



U and V
N thru T
See Next Page

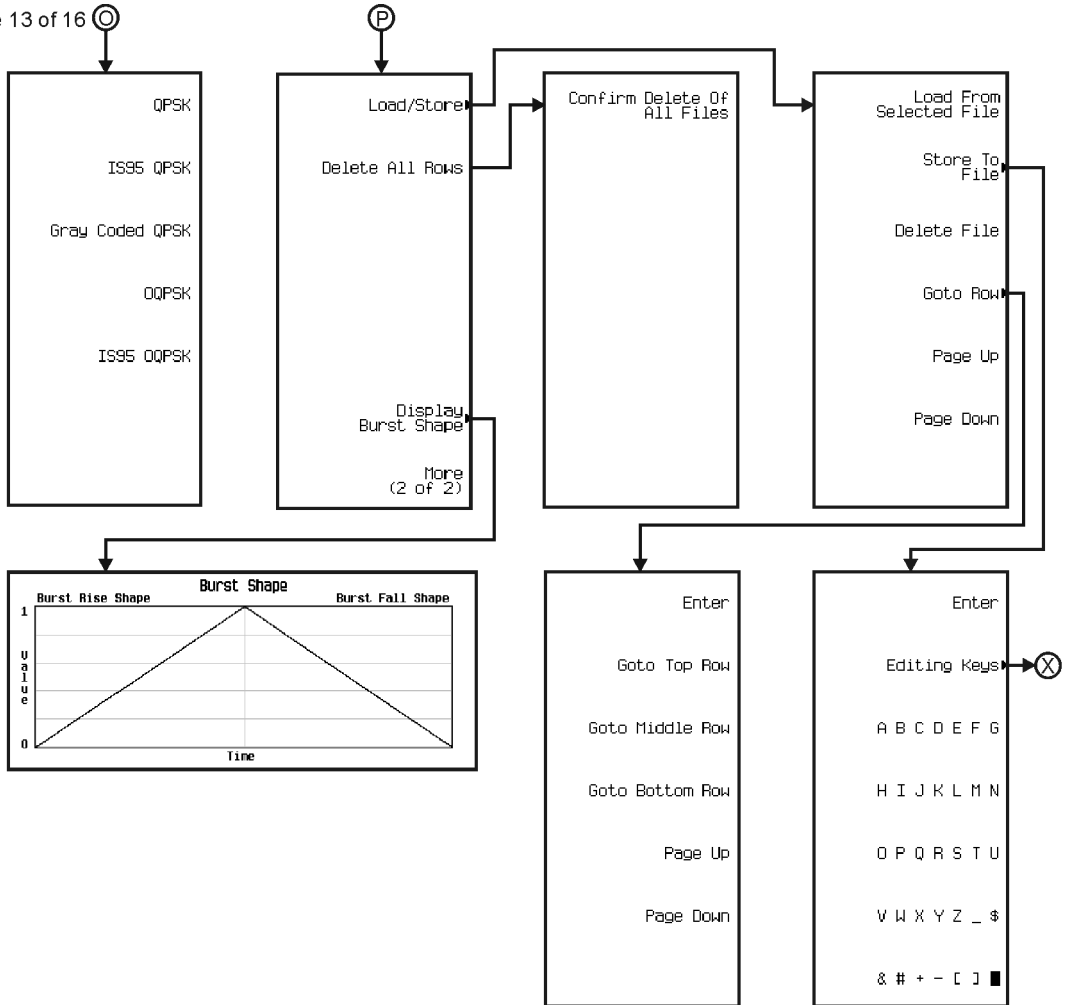
Key and Data Field Menu Maps
Real Time TDMA

Page 12 of 16 (N)



pk7151c

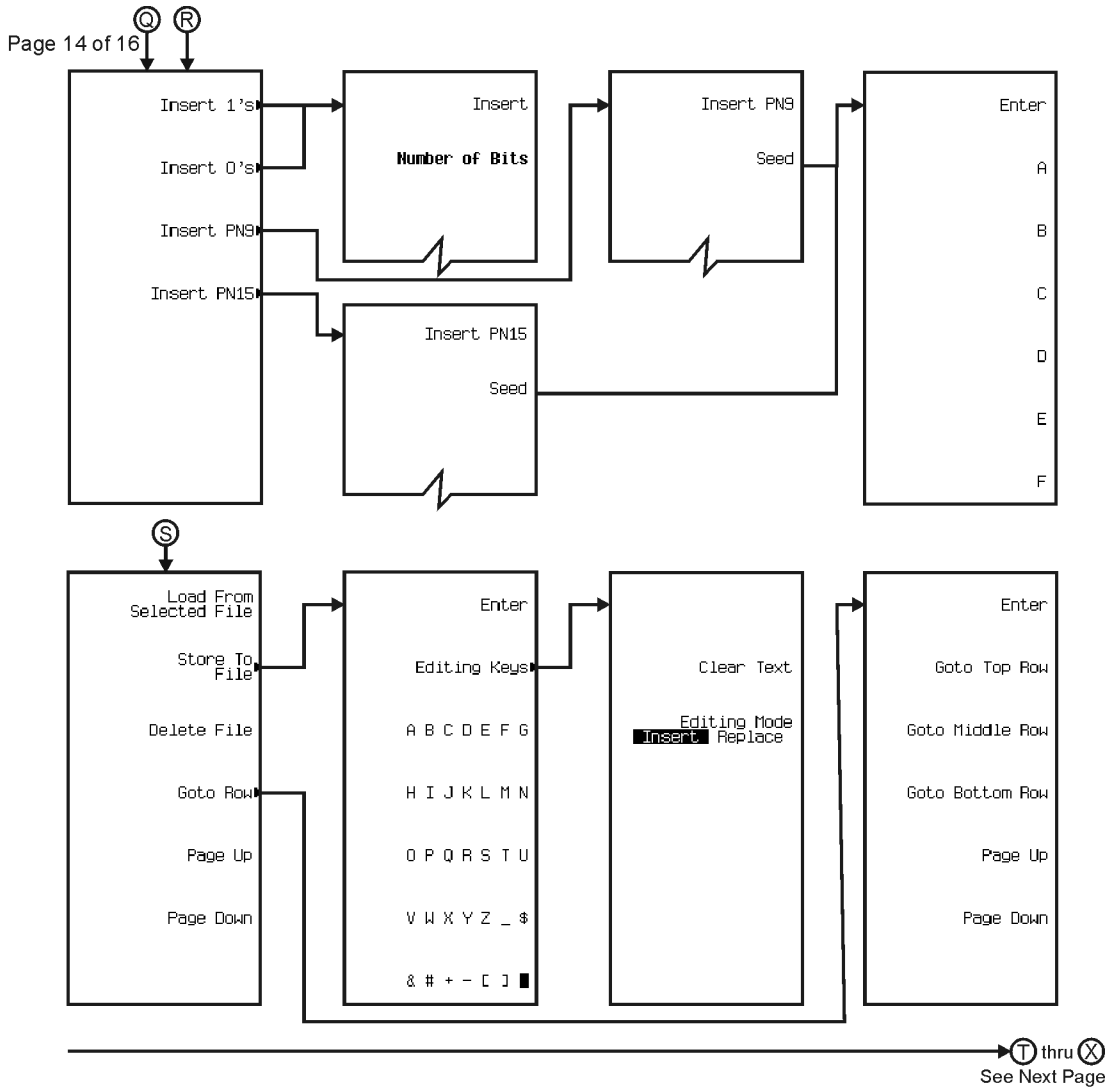
Page 13 of 16 **Q**



Q thru **W**
See Next Page

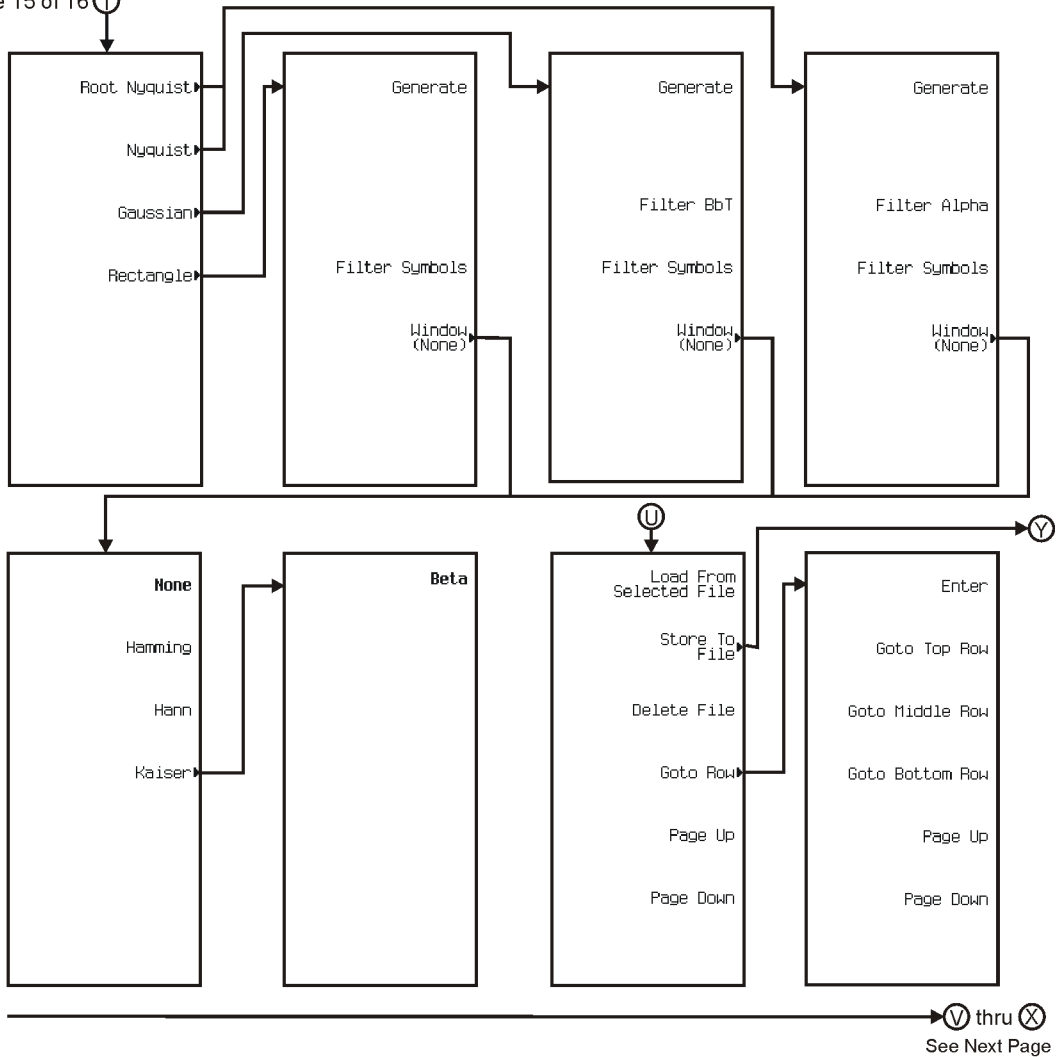
pk7152c

Key and Data Field Menu Maps
Real Time TDMA



pk7153c

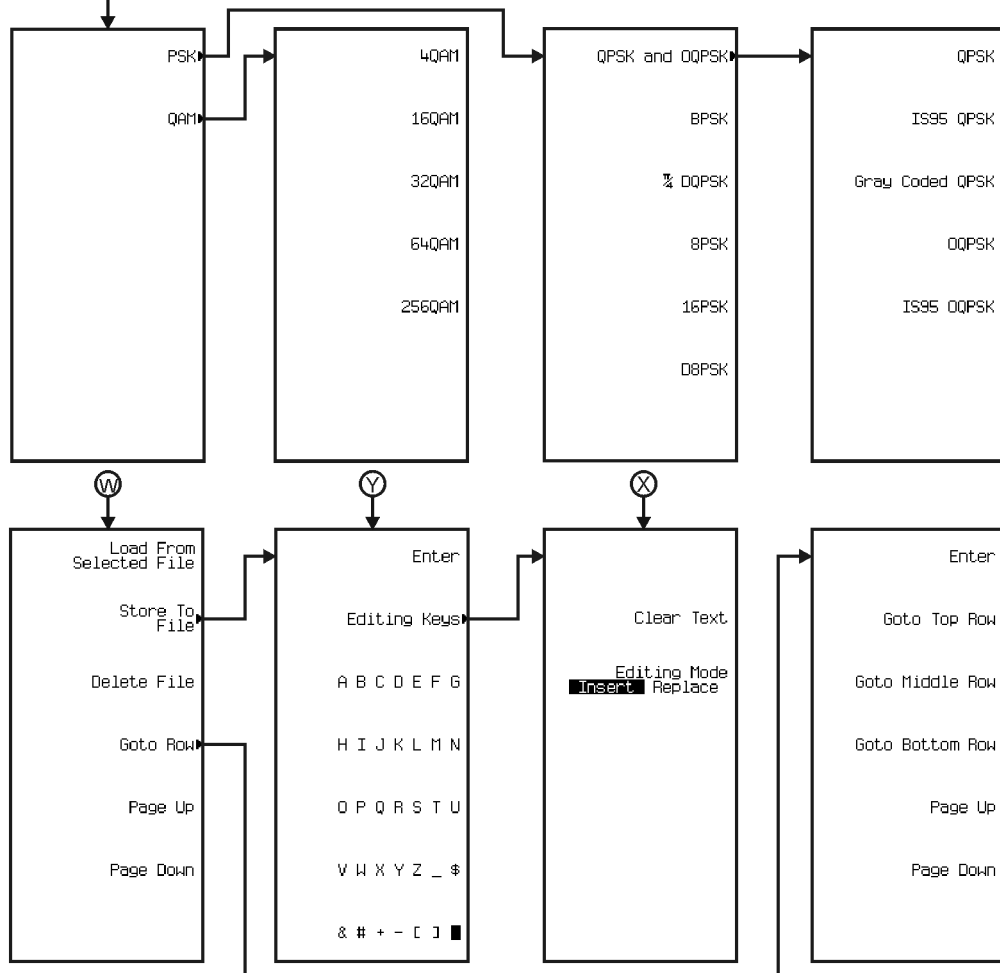
Page 15 of 16 (T)



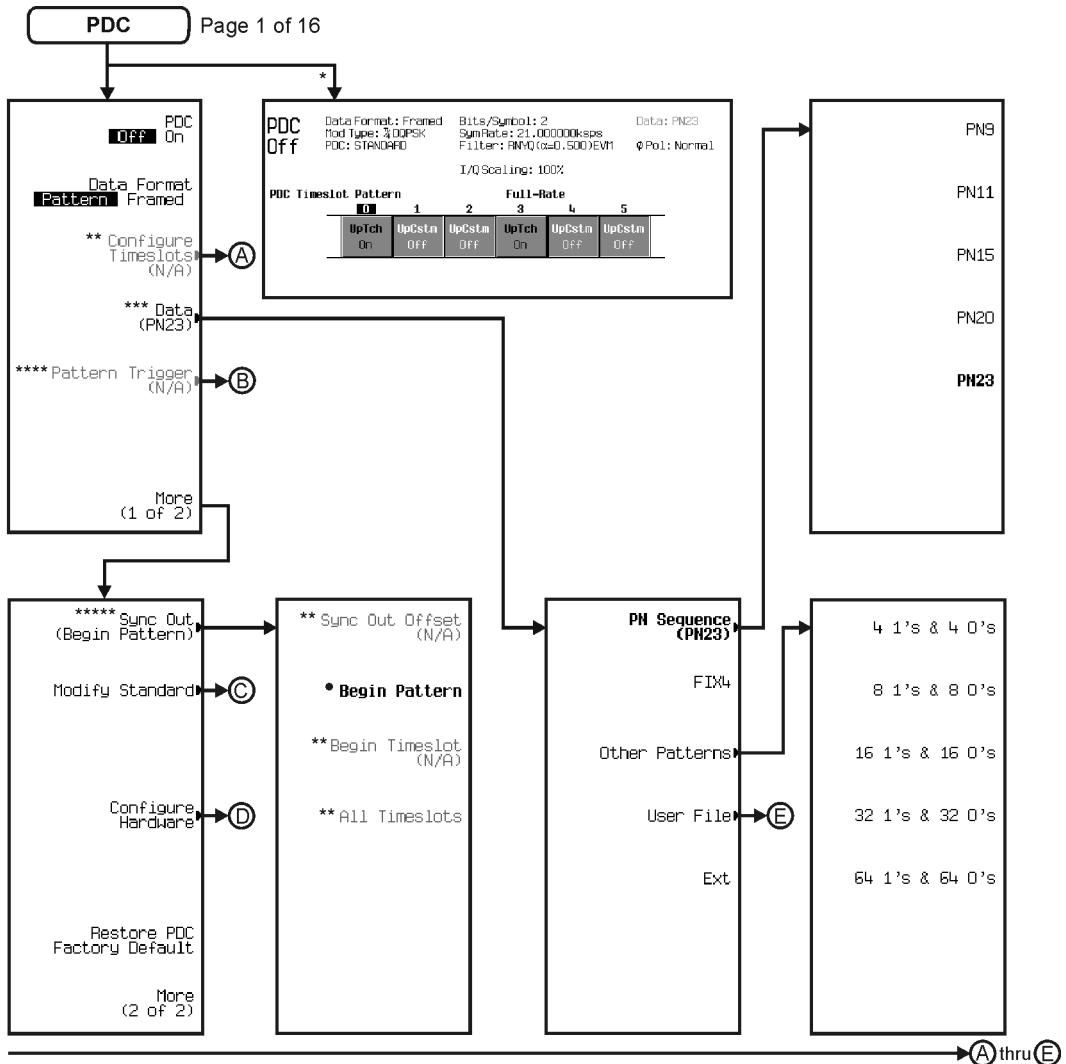
pk7154c

Key and Data Field Menu Maps
Real Time TDMA

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pk7155c



* Appears when the **Data Format Pattern Framed** softkey is set to Framed. *****Changes to **Sync Out (Begin Frame)** when the **Data Format Pattern Framed** softkey is set to Framed.

** Active when the **Data Format Pattern Framed** softkey is set to Framed. • Changes to Begin Frame when the **Data Format Pattern Framed** softkey is set to Framed.

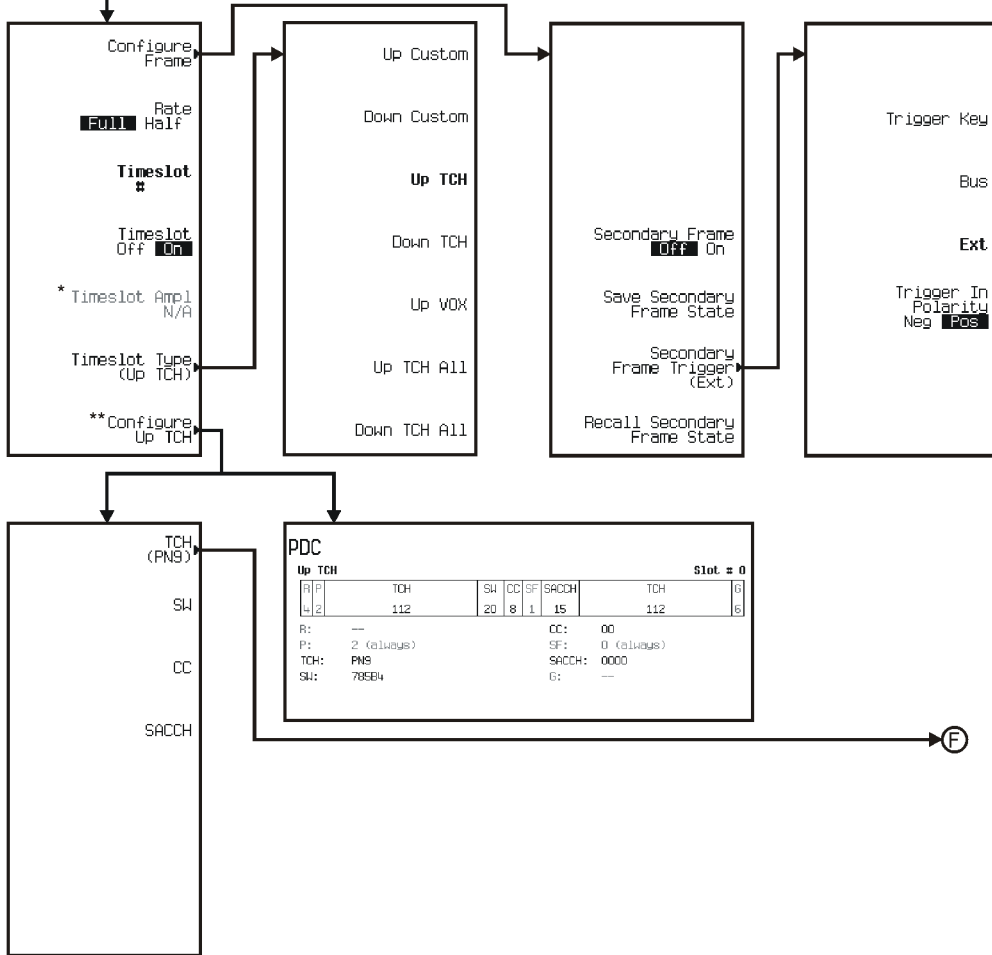
***Inactive when the **Data Format Pattern Framed** softkey is set to Framed.

****Becomes active and changes to **Frame Trigger** when the **Data Format Pattern Framed** softkey is set to Framed.

pk7156c

Key and Data Field Menu Maps
Real Time TDMA

Page 2 of 16 (A)

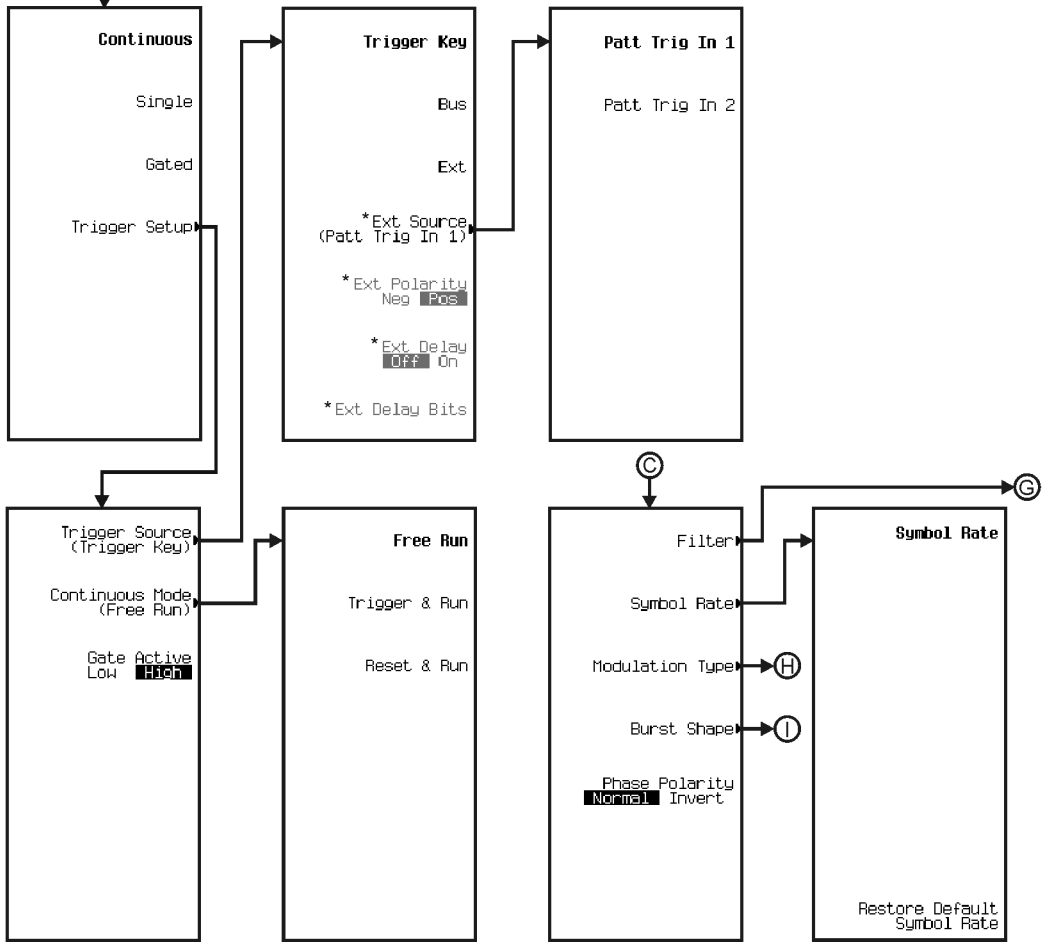


* This key is activated by pressing **Amplitude > More (1 of 2) > Alt Amp Off On**, until Alt Amp is on.
This key and it's sub-level menu selections, change according to the **Timeslot Type selected.

(B) thru (E)
See Next Page

pk7157c

Page 3 of 16 (B)



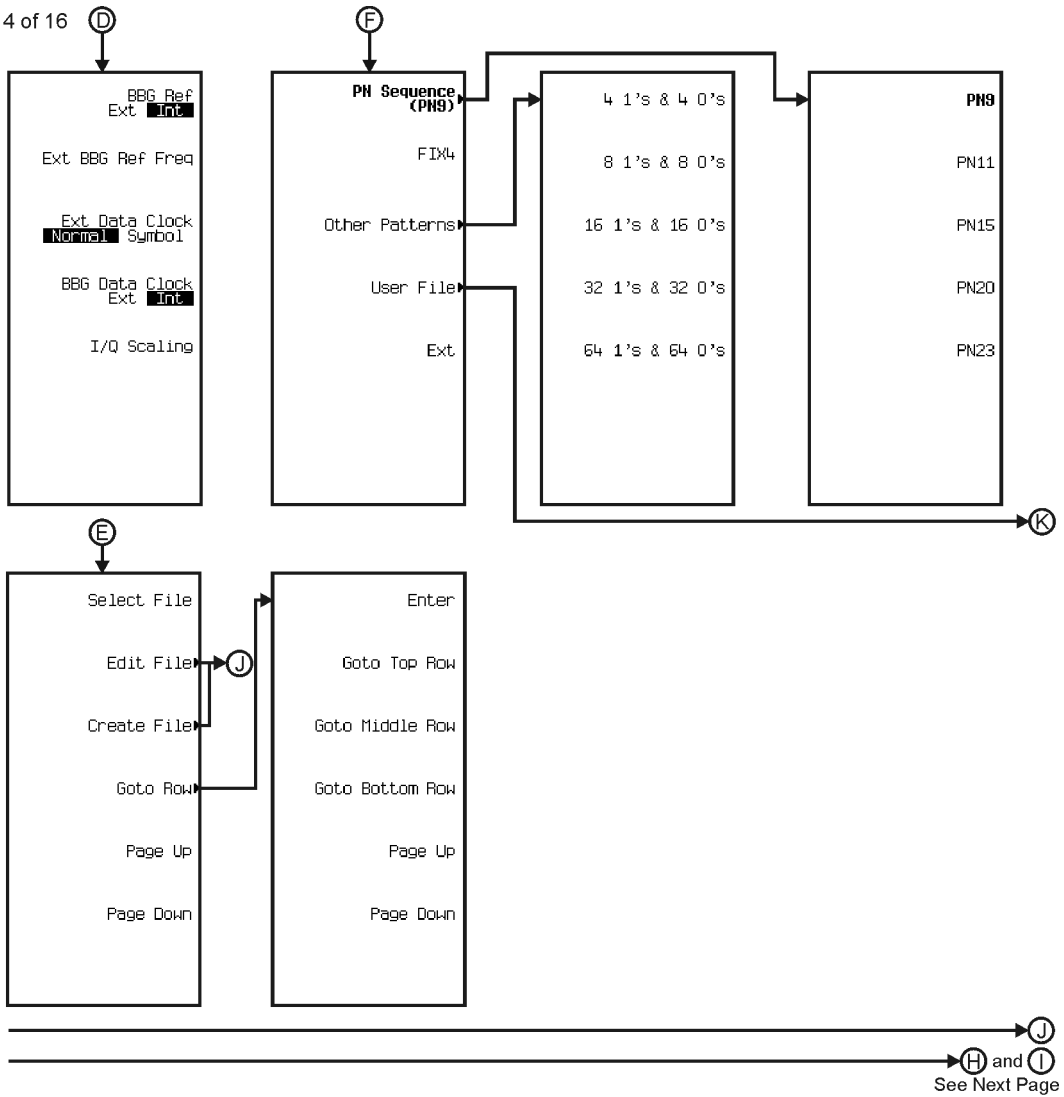
* Activate by pressing Ext.

(H) and (I)
(D) and (E)
See Next Page

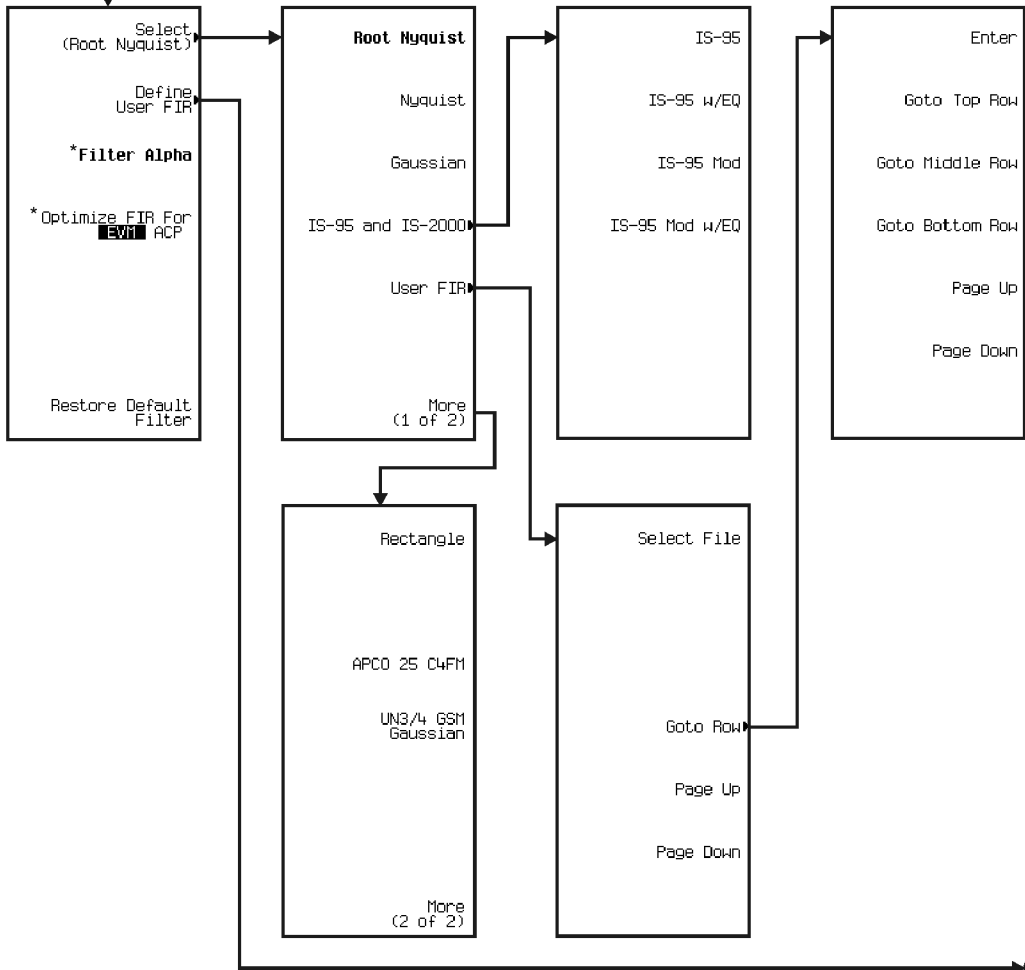
pk7142c

Key and Data Field Menu Maps
Real Time TDMA

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pk7143c



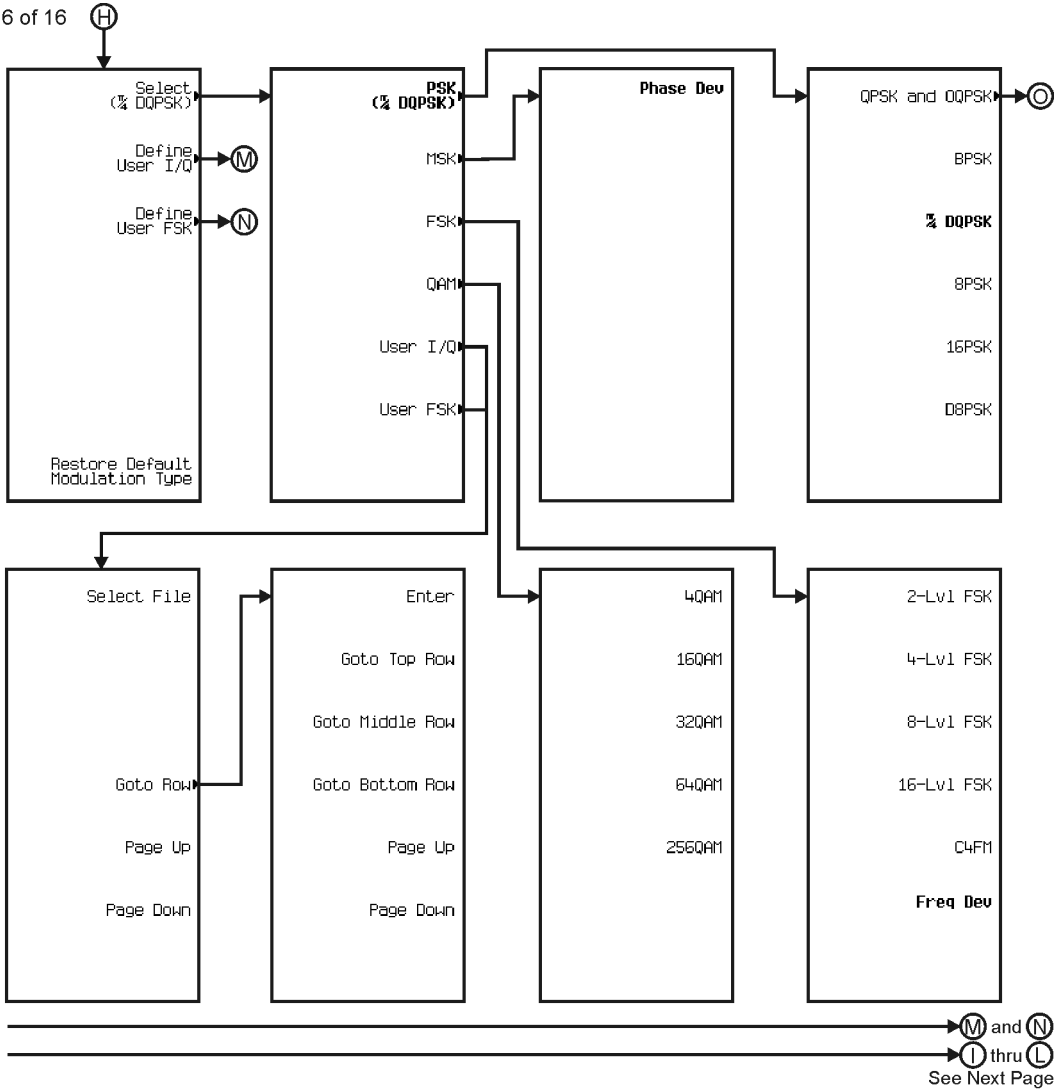
* Changes according to filter selected.

→ H thru K
See Next Page

pk7144c

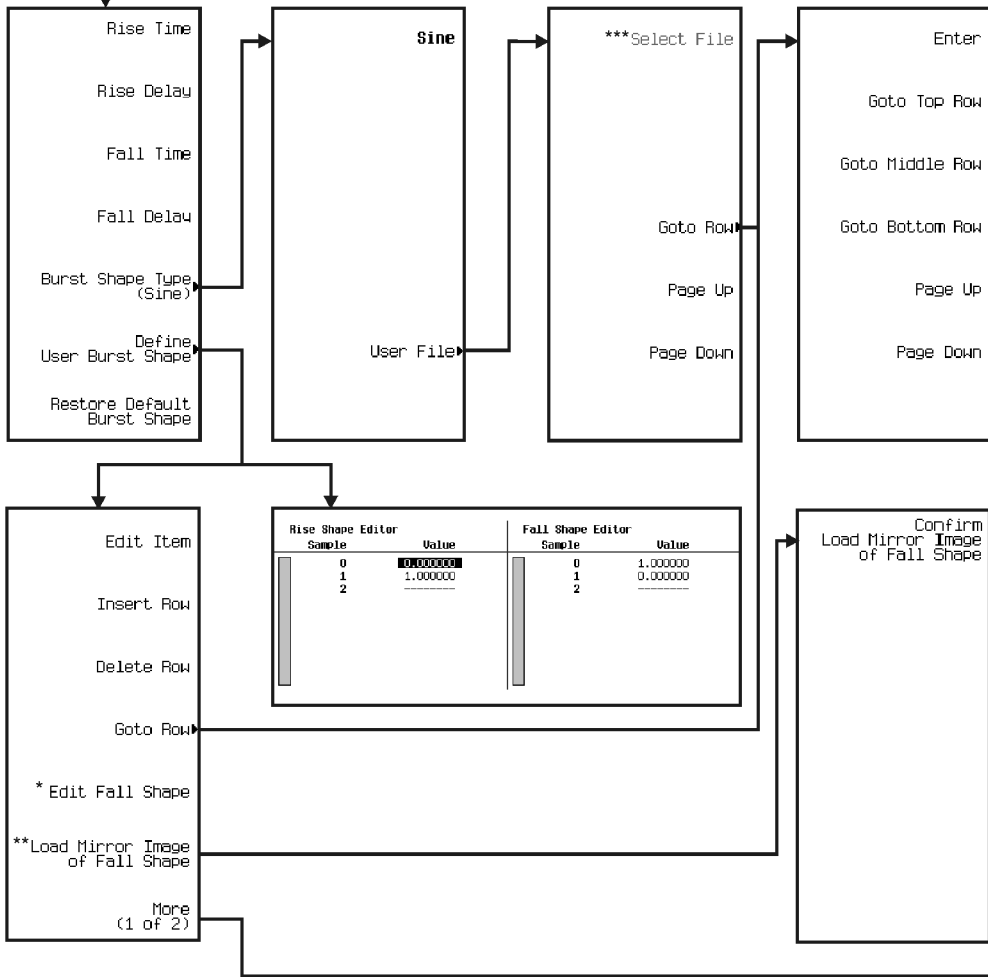
Key and Data Field Menu Maps
Real Time TDMA

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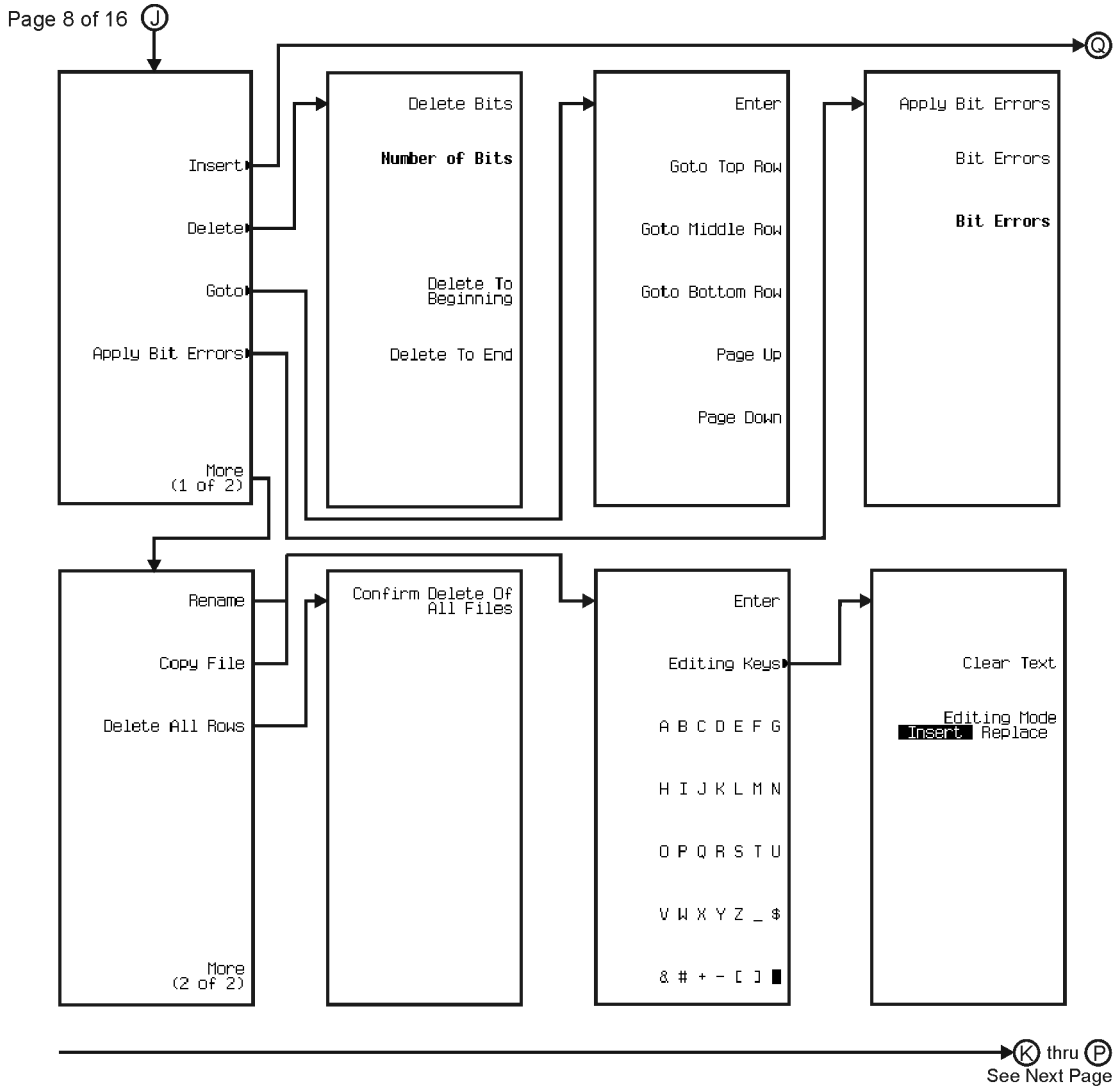
pk7145c

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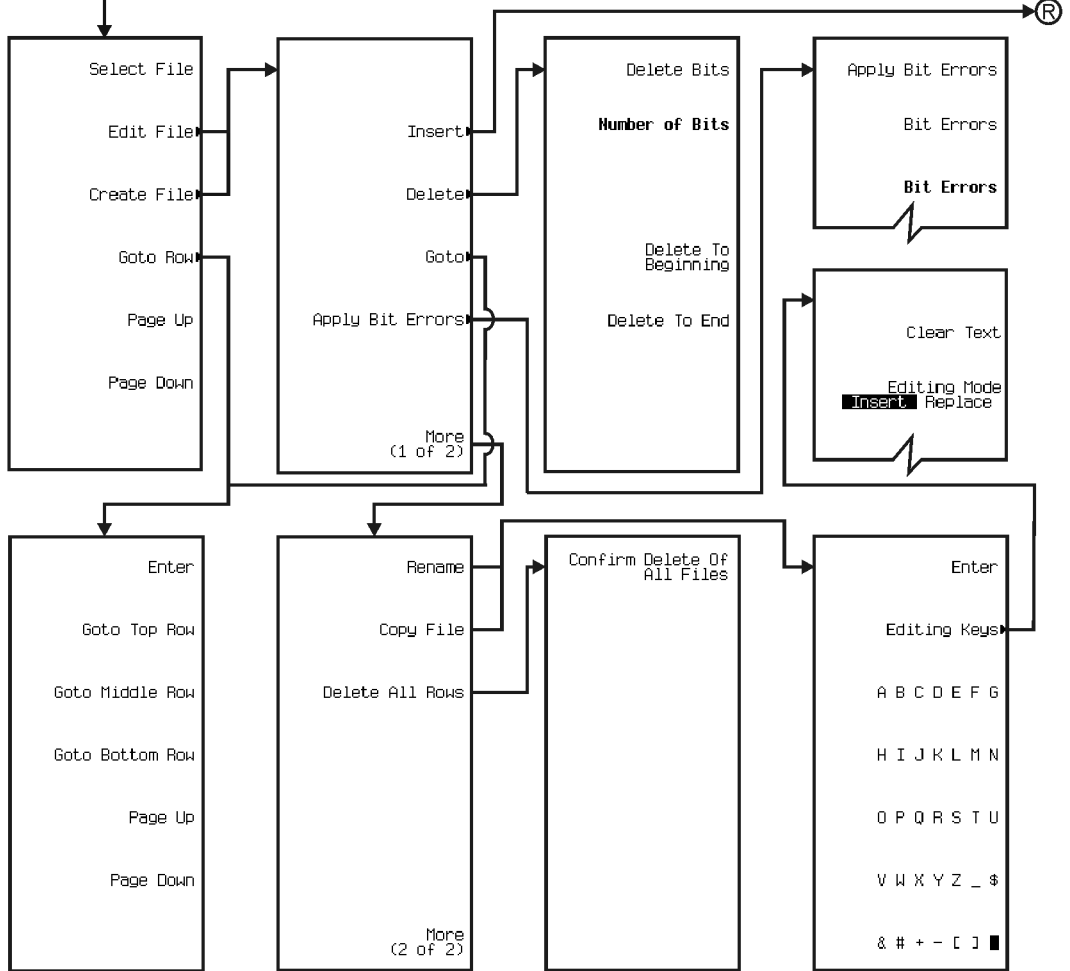
* This key changes to **Edit Rise Shape** when pressed.
 ** When **Edit Fall Shape** is pressed this key changes to **Load Mirror Image of Rise Shape**.
 *** For this key to be active, there must be a file to select.

Key and Data Field Menu Maps
Real Time TDMA



pk7147c

Page 9 of 16 (K)

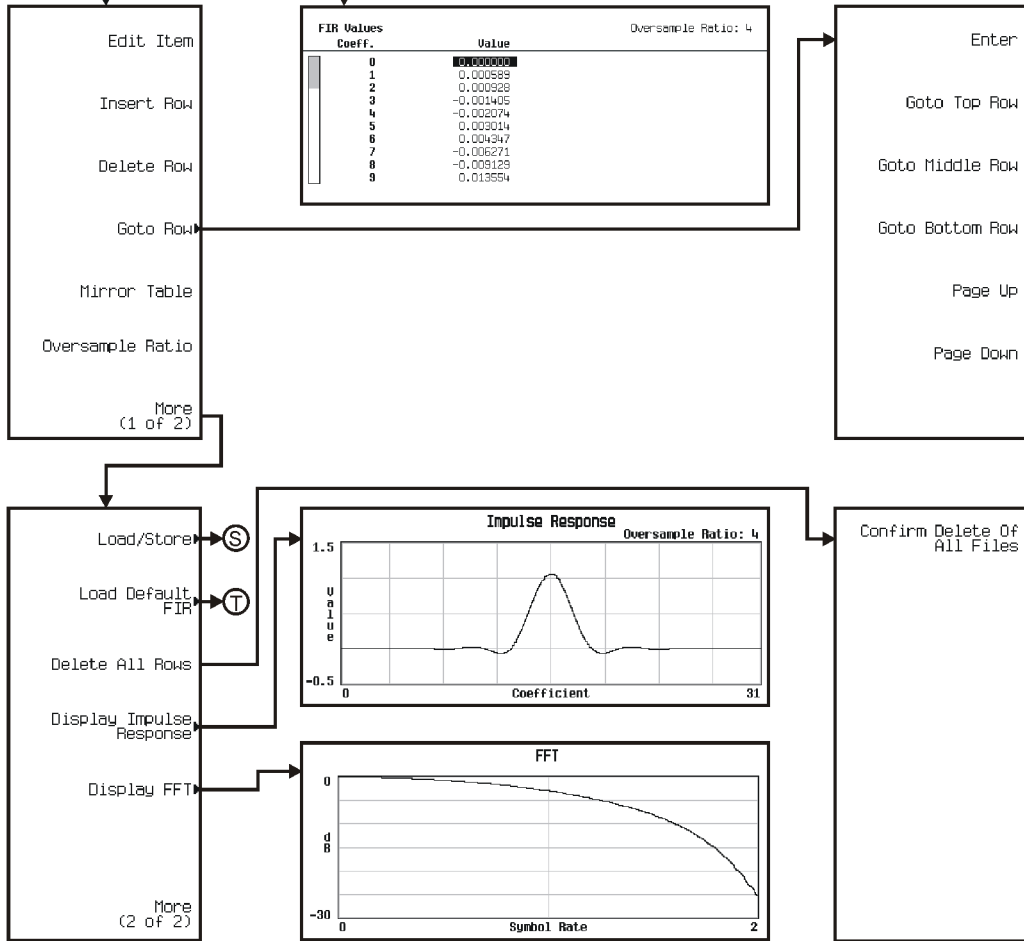


(L) thru (O)
See Next Page

pk7148c

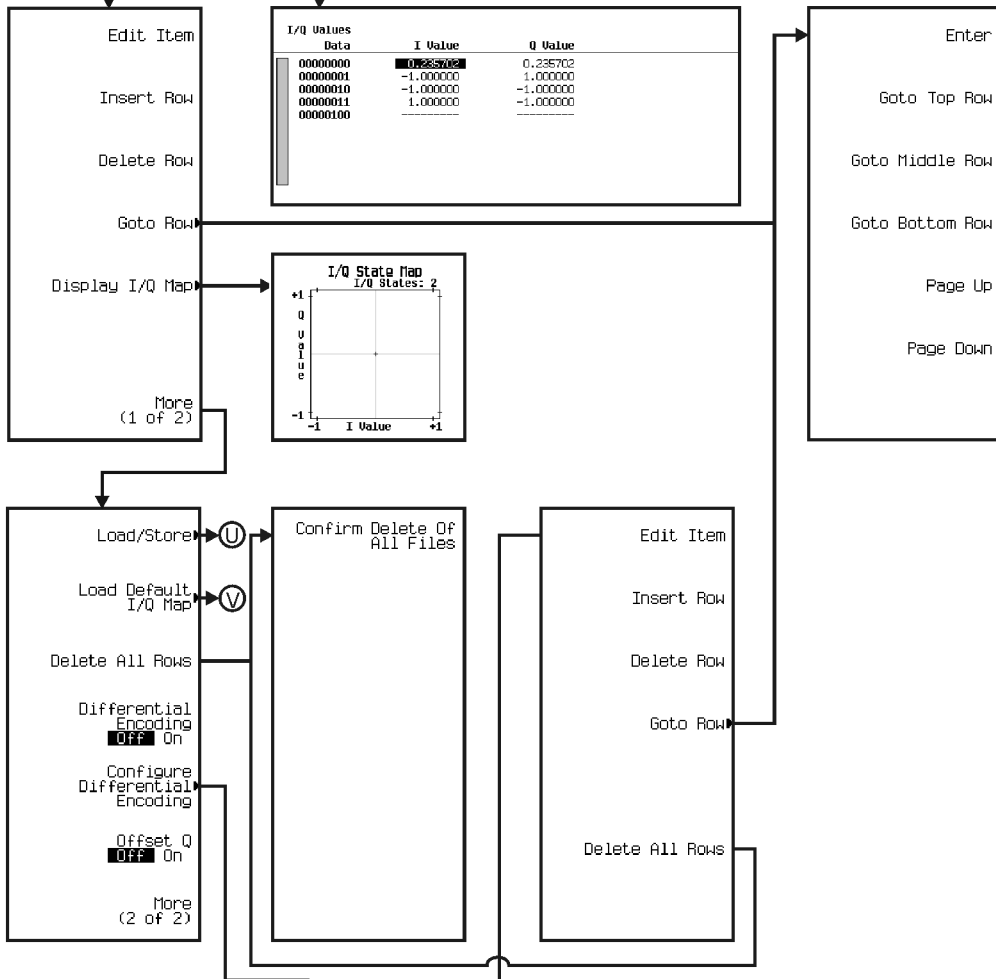
Key and Data Field Menu Maps
Real Time TDMA

Page 10 of 16 (L)



(S) and (T)
(M) thru (R)
See Next Page

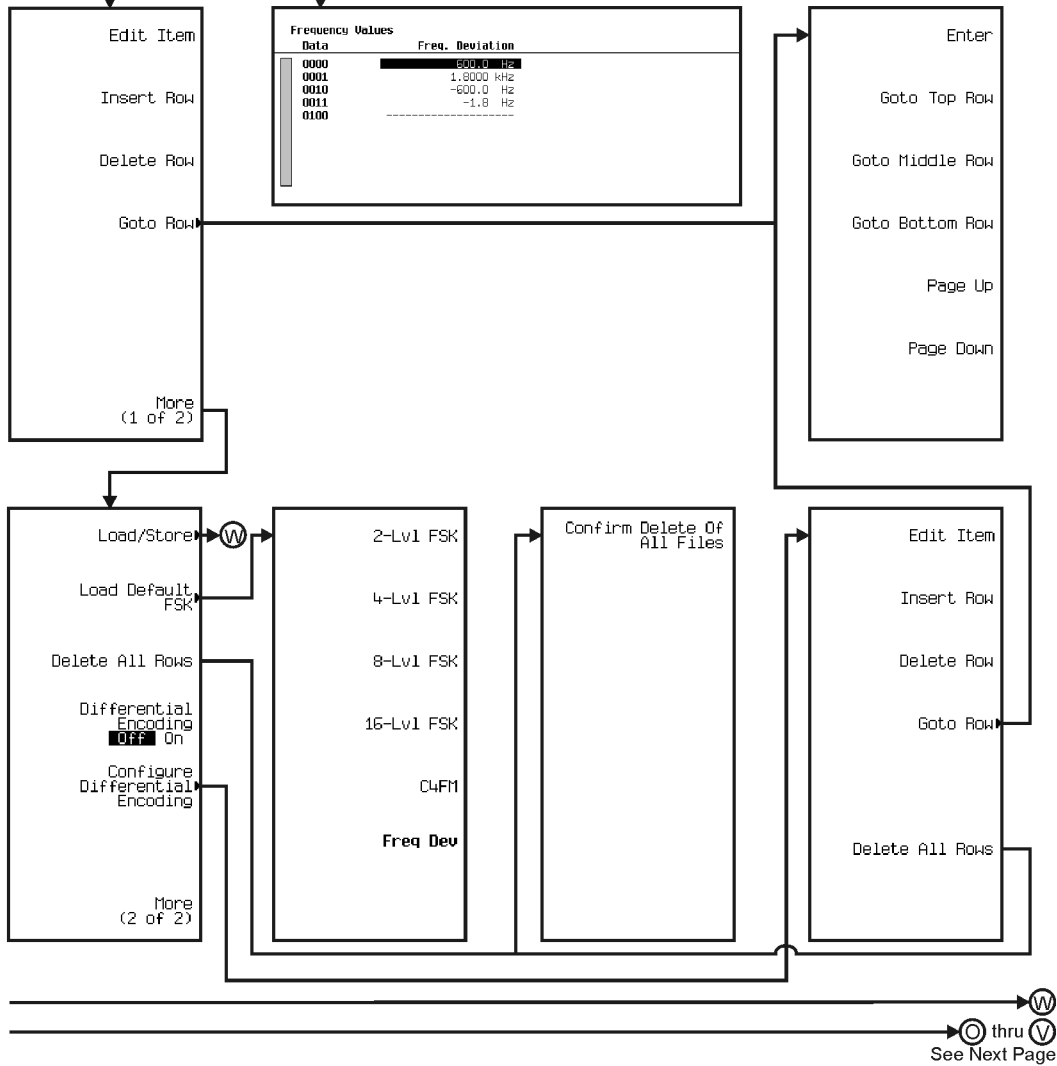
pk7149c



U and V
N thru T
See Next Page

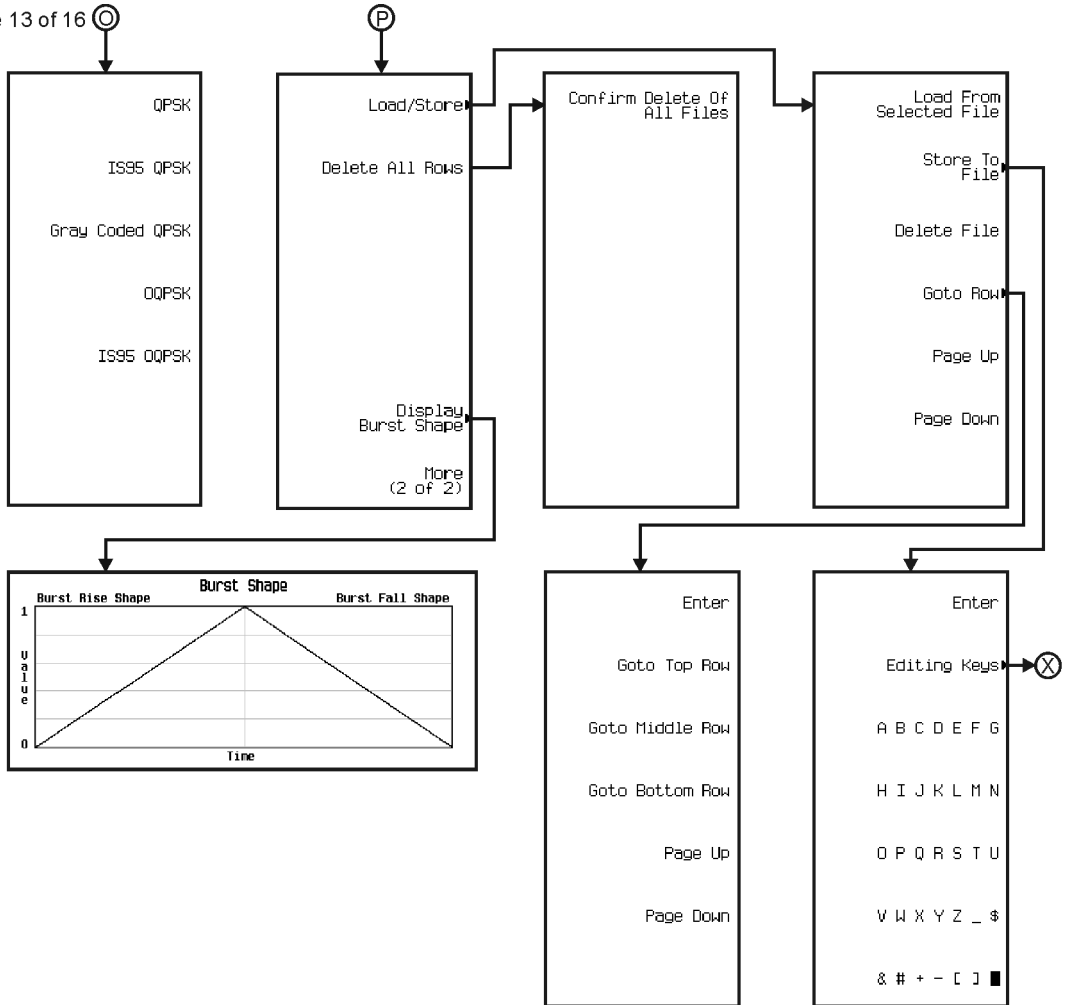
Key and Data Field Menu Maps
Real Time TDMA

Page 12 of 16 (N)



pk7151c

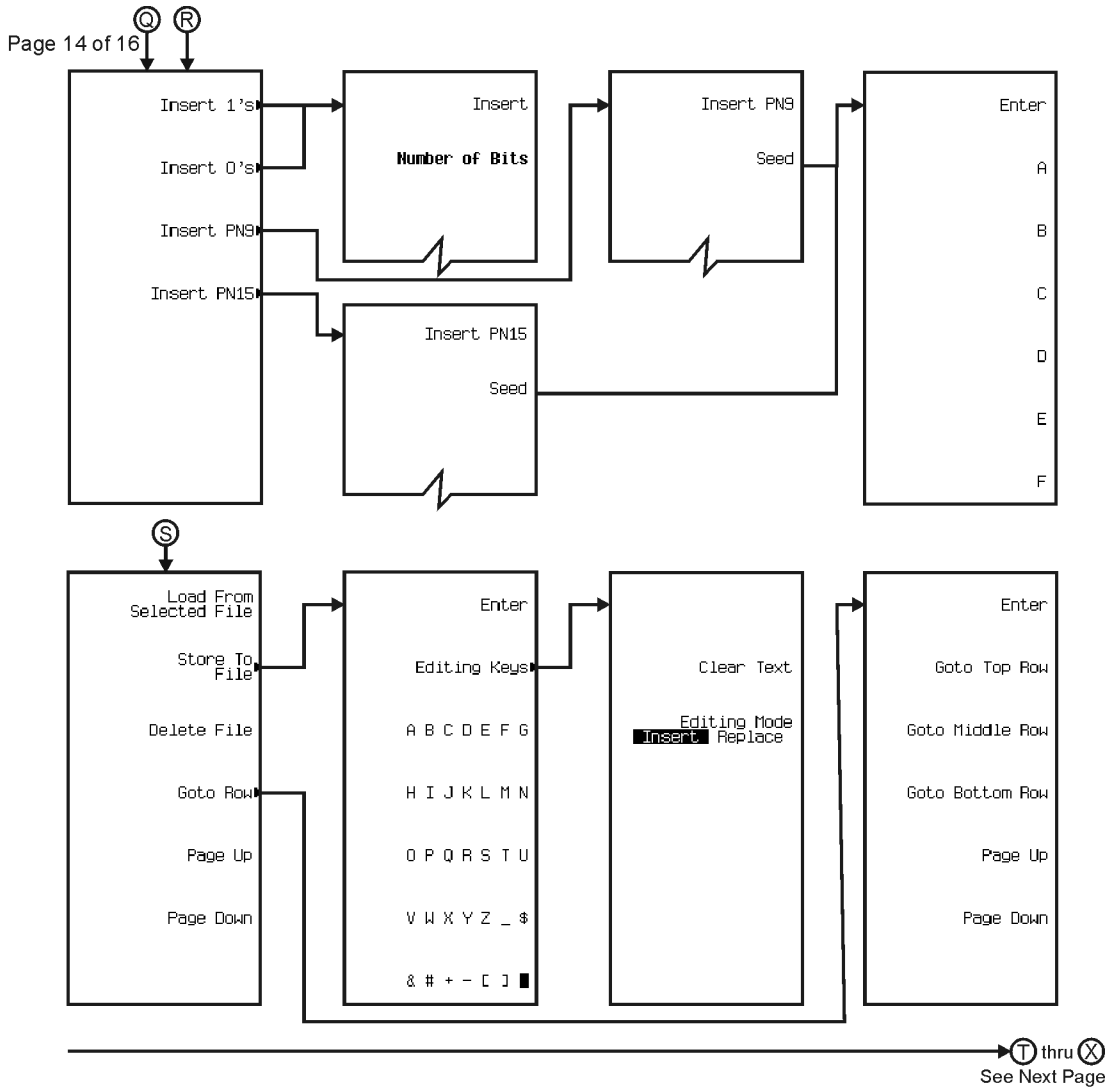
Page 13 of 16 **Q**



Q thru **W**
See Next Page

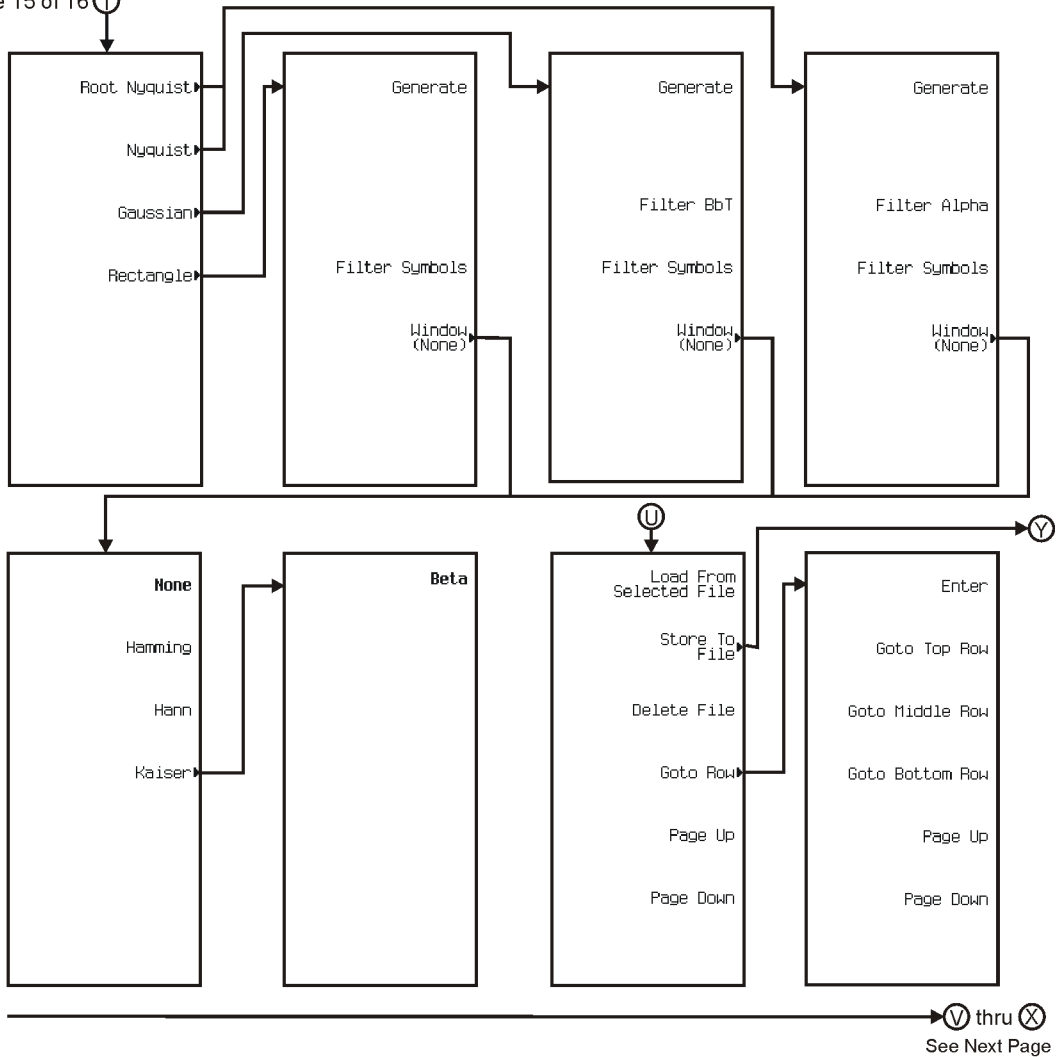
pk7152c

Key and Data Field Menu Maps
Real Time TDMA




pk7153c

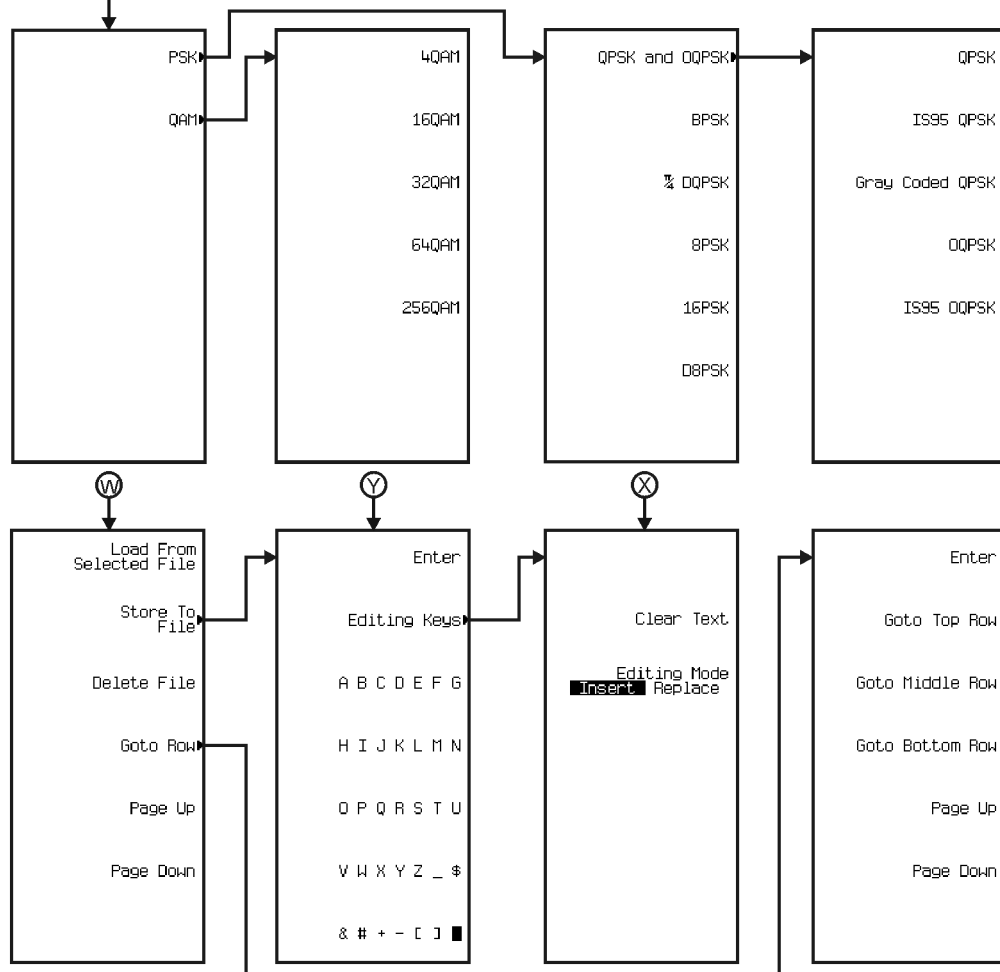
Page 15 of 16 (T)



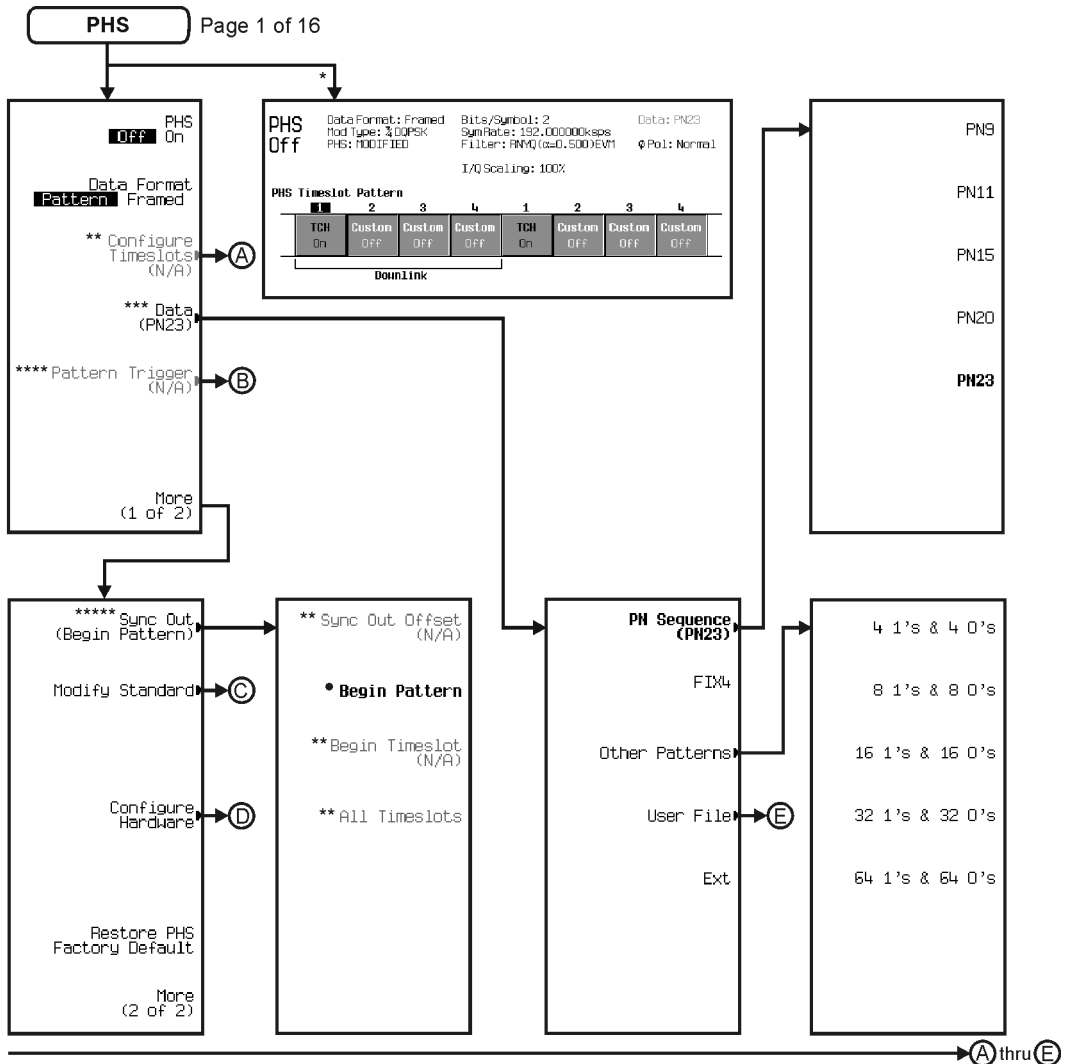
pk7154c

Key and Data Field Menu Maps
Real Time TDMA

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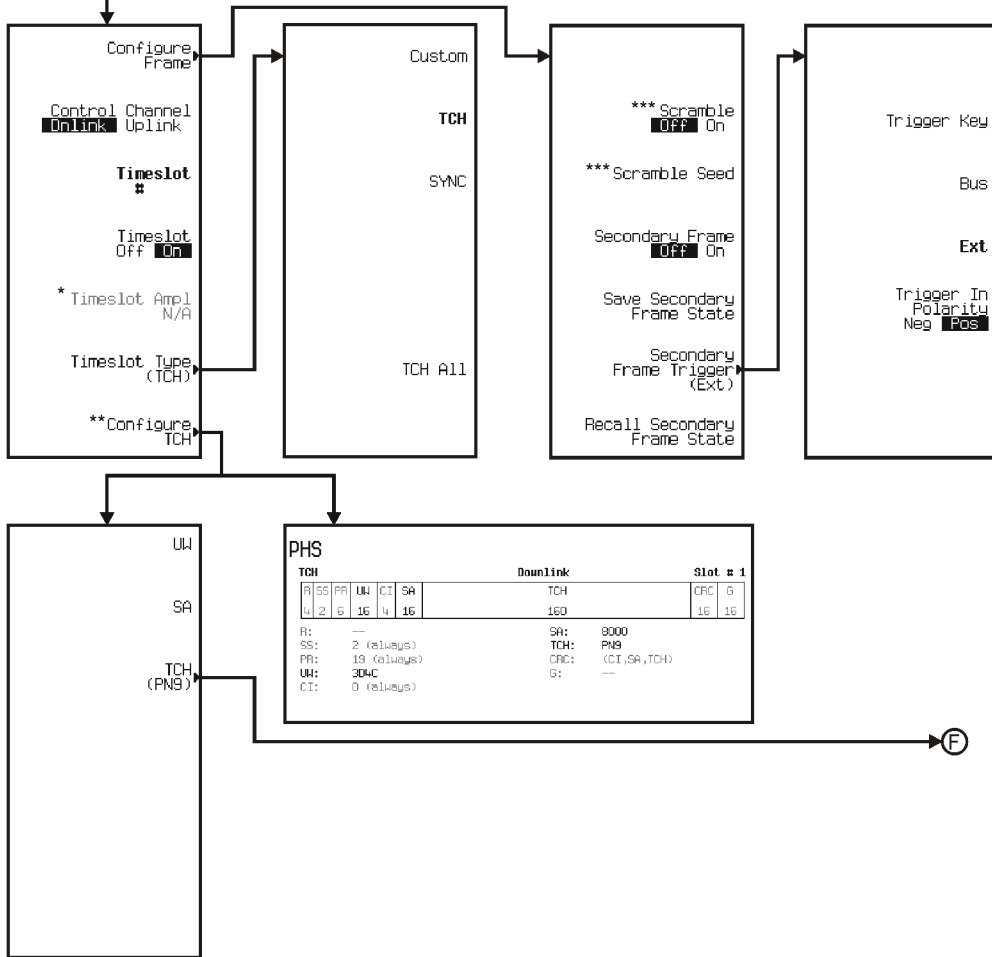
pk7155c



* Appears when the **Data Format Pattern Framed** softkey is set to Framed. *****Changes to **Sync Out (Begin Frame)** when the **Data Format Pattern Framed** softkey is set to Framed.
 ** Active when the **Data Format Pattern Framed** softkey is set to Framed.
 ***Inactive when the **Data Format Pattern Framed** softkey is set to Framed.
 ****Becomes active and changes to **Frame Trigger** when the **Data Format Pattern Framed** softkey is set to Framed.
 • Changes to **Begin Frame** when the **Data Format Pattern Framed** softkey is set to Framed.

Key and Data Field Menu Maps
Real Time TDMA

Page 2 of 16 (A)

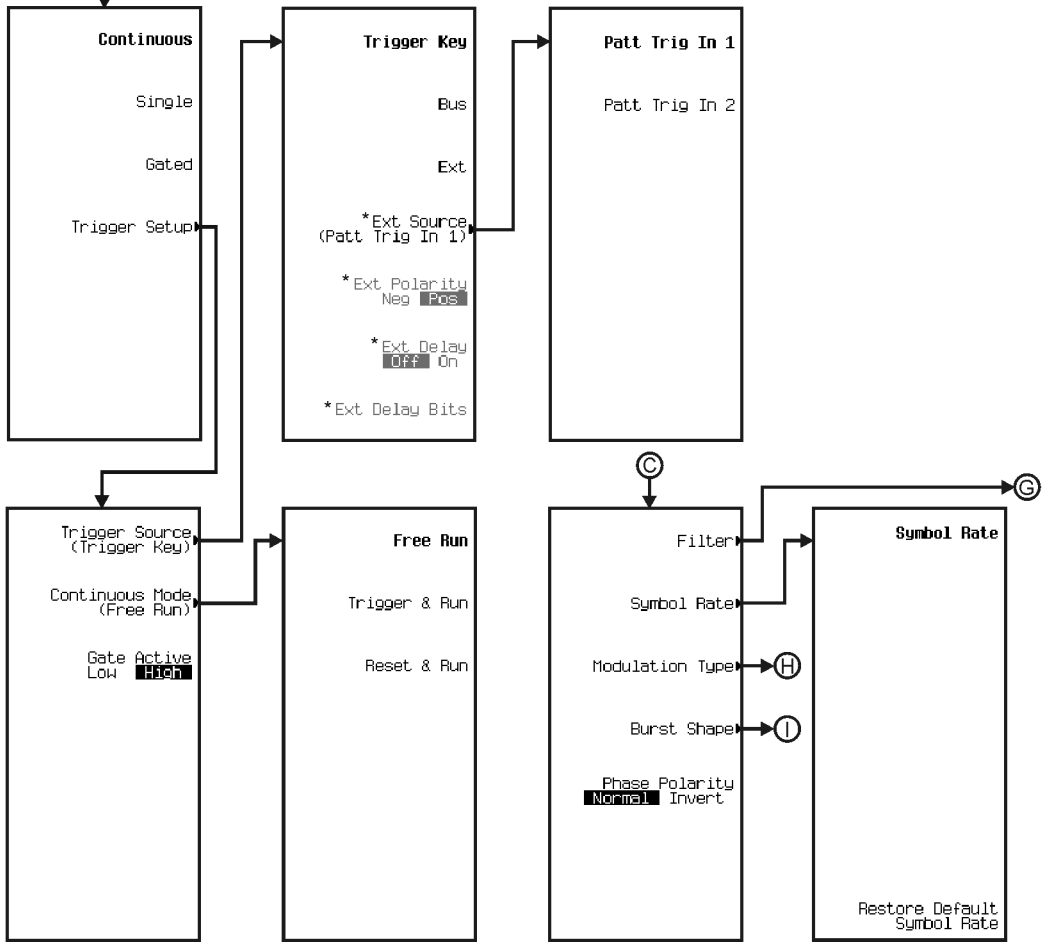


* This key is activated by pressing Amplitude > More (1 of 2) > Alt Amp Off On, until Alt Amp is on.
 ** This key and it's sub-level menu selections, change according to the Timeslot Type selected.
 *** Only available when Data Format Pattern Framed is selected.

(B) thru (E)
See Next Page

pk7159c

Page 3 of 16 (B)



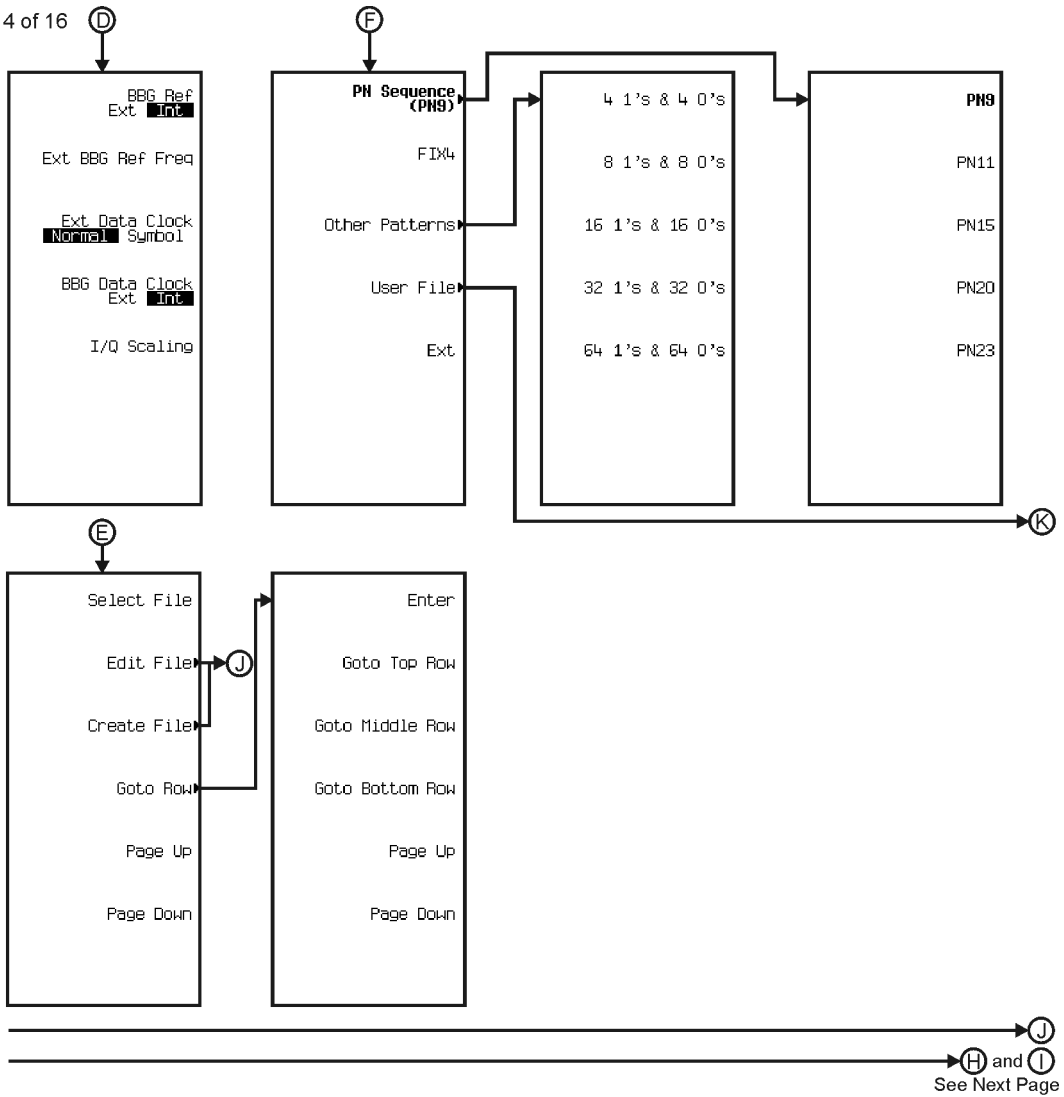
* Activate by pressing Ext.

(H) and (I)
(D) and (E)
See Next Page

pk7142c

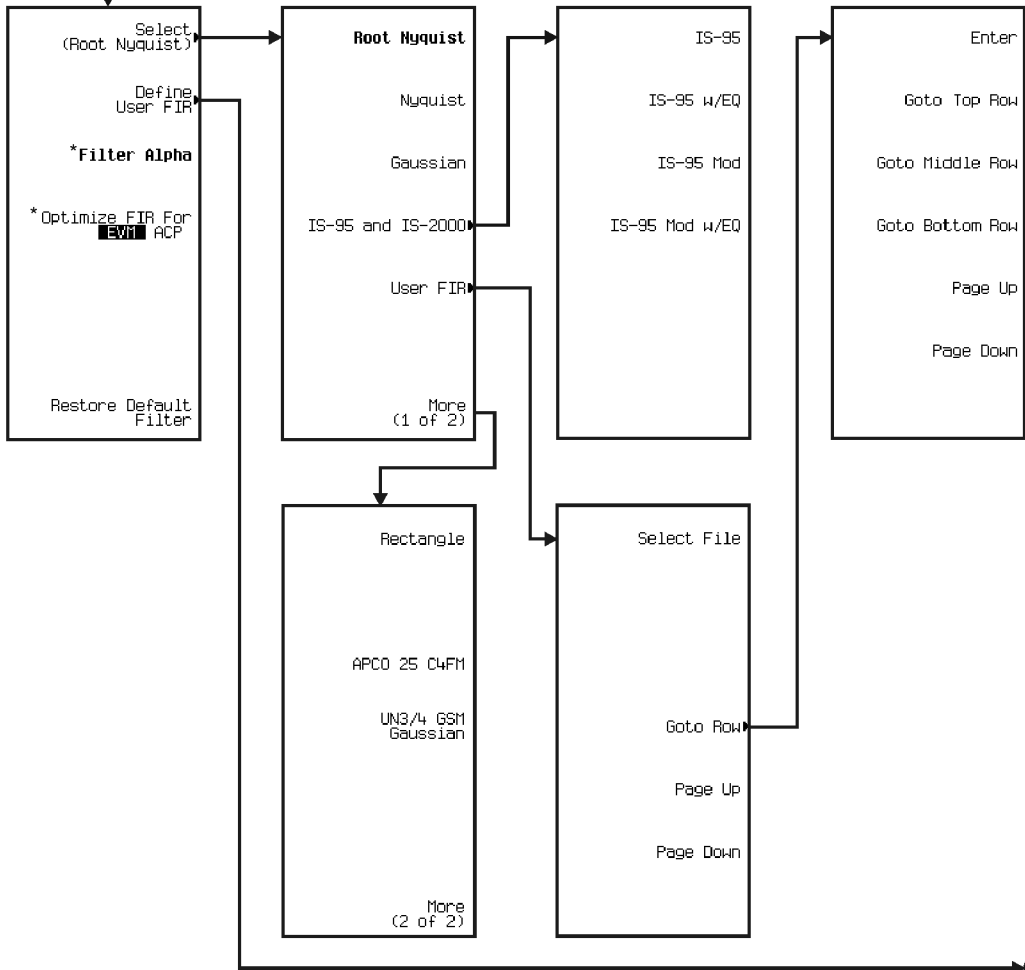
Key and Data Field Menu Maps
Real Time TDMA

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pk7143c

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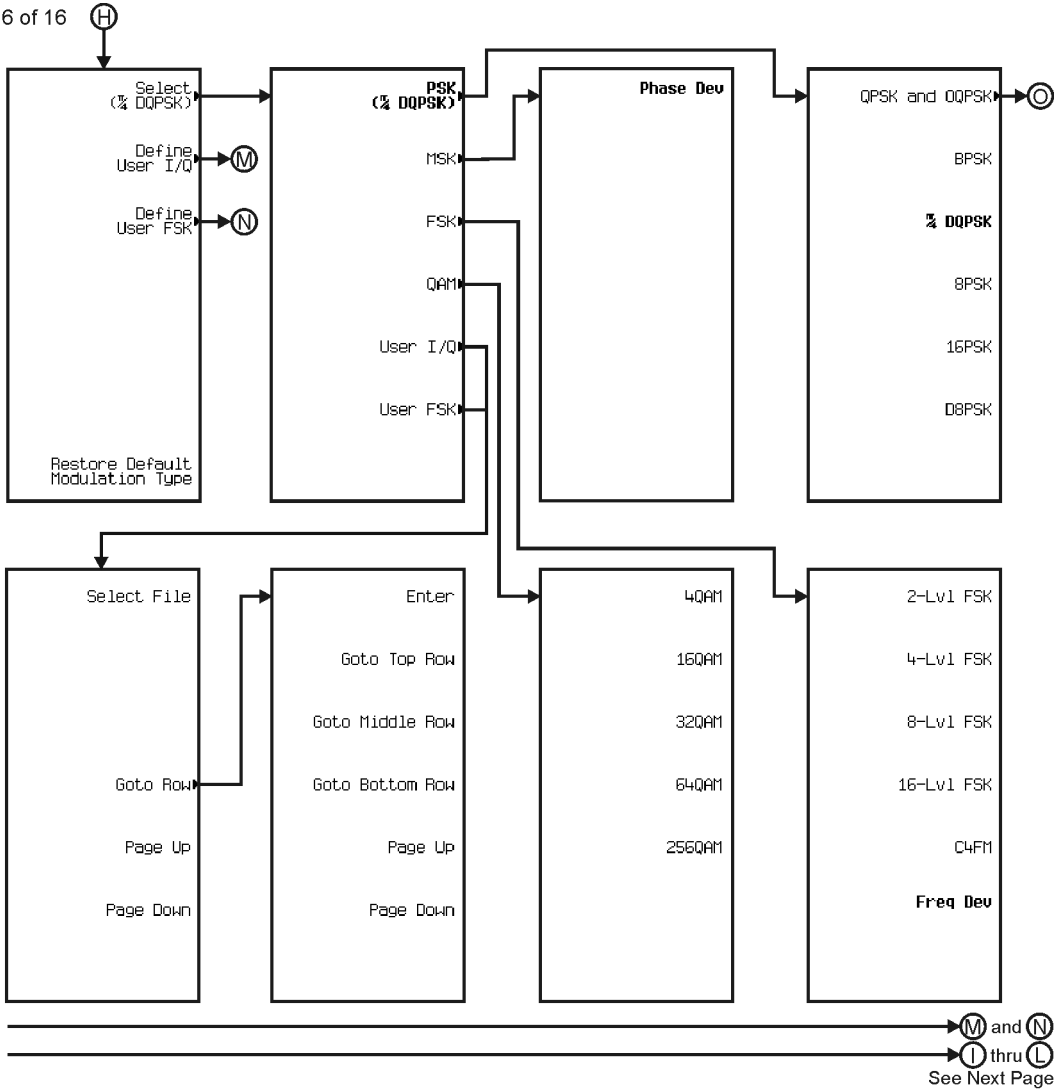
* Changes according to filter selected.

→ H thru K
 See Next Page

pk7144c

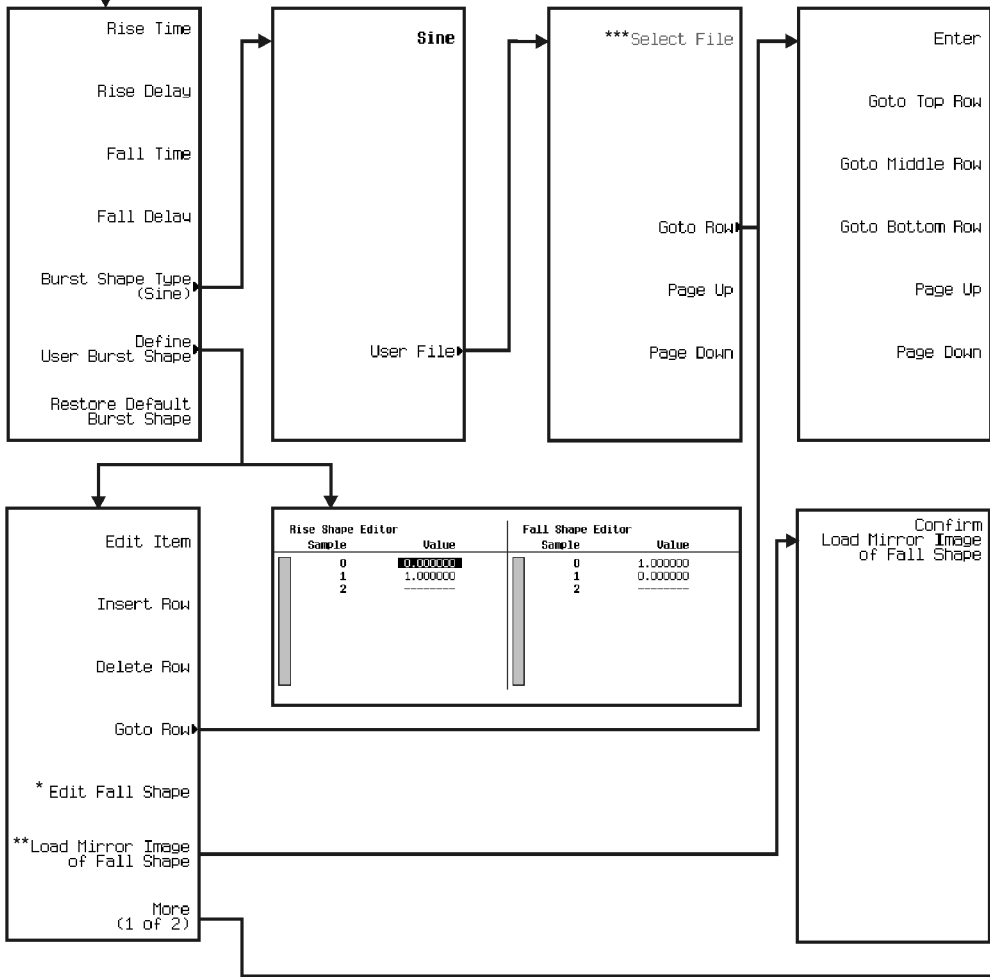
Key and Data Field Menu Maps
Real Time TDMA

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pk7145c

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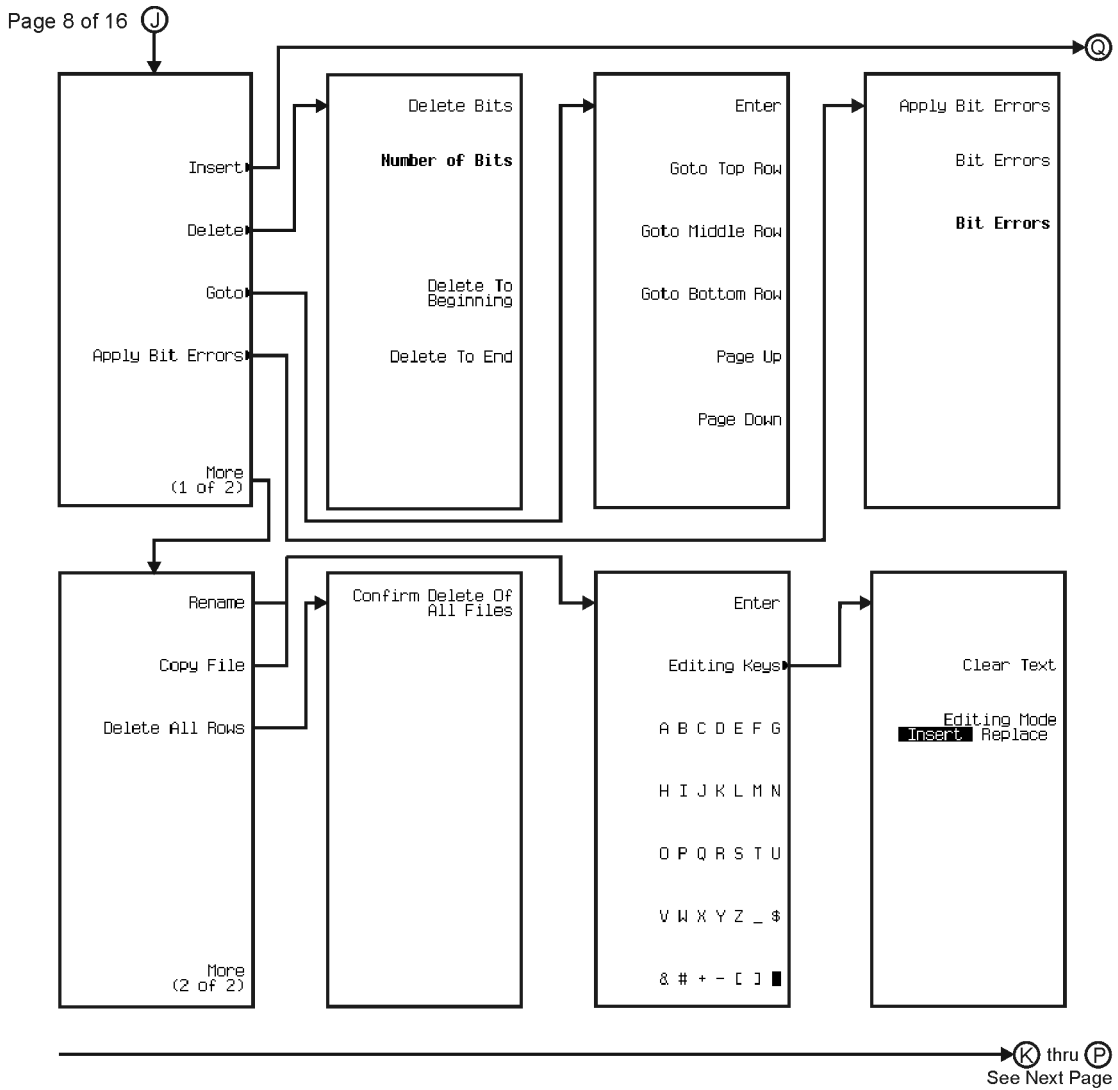


* This key changes to **Edit Rise Shape** when pressed.
 ** When **Edit Fall Shape** is pressed this key changes to **Load Mirror Image of Rise Shape**.
 *** For this key to be active, there must be a file to select.

Ⓟ
 Ⓜ thru Ⓞ
 See Next Page

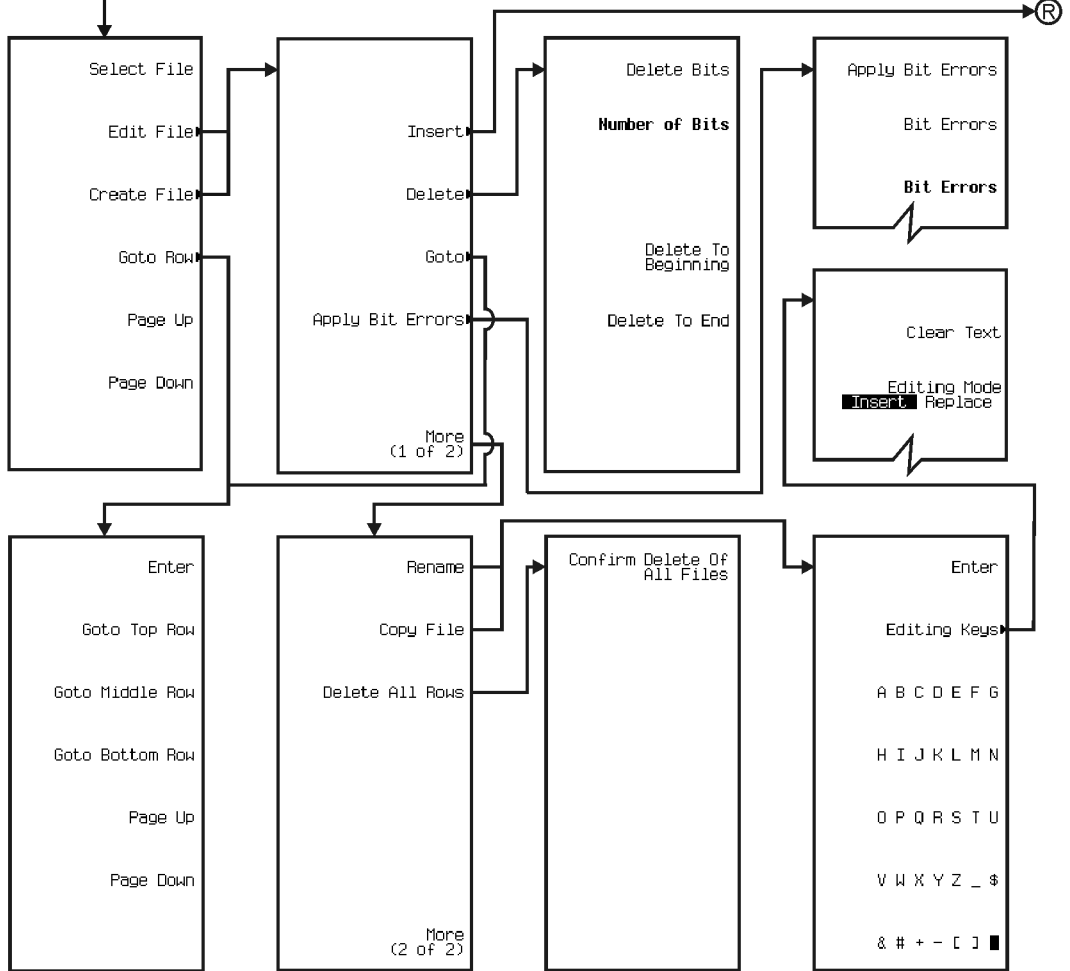
pk7146c

Key and Data Field Menu Maps
Real Time TDMA



pk7147c

Page 9 of 16 (K)

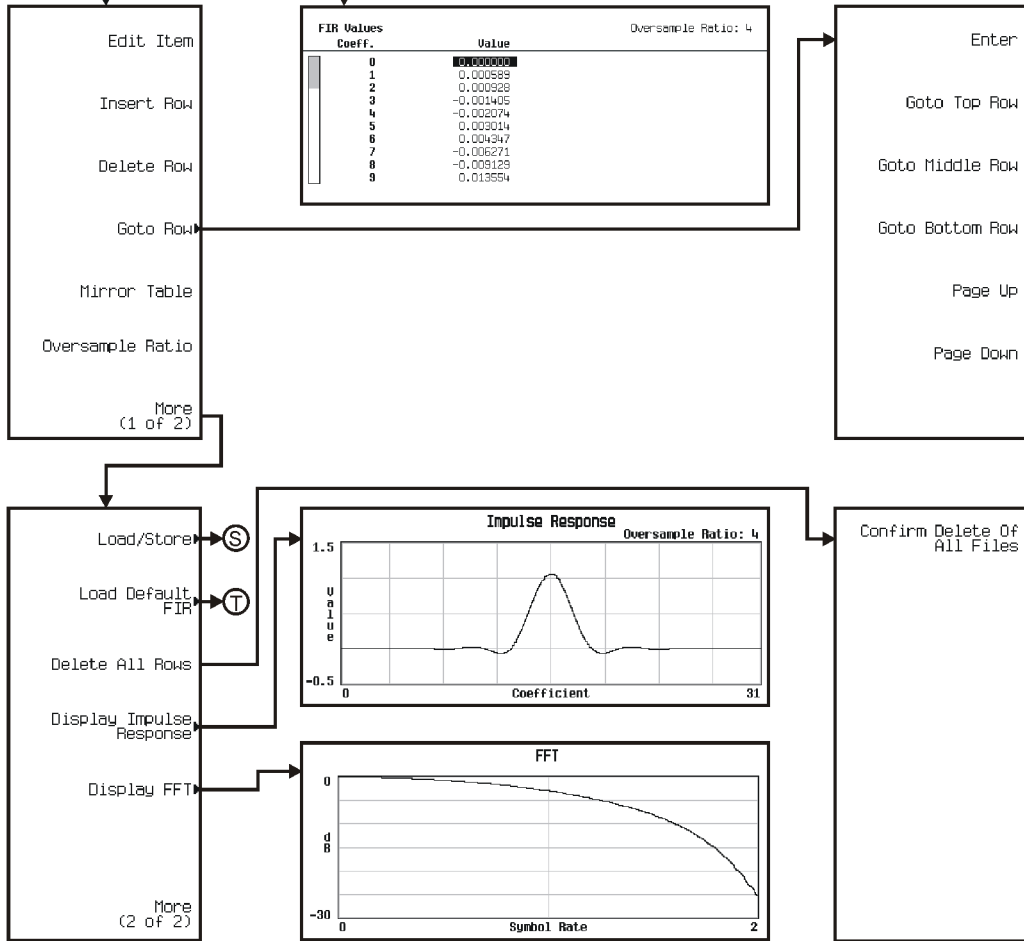


(L) thru (O)
See Next Page

pk7148c

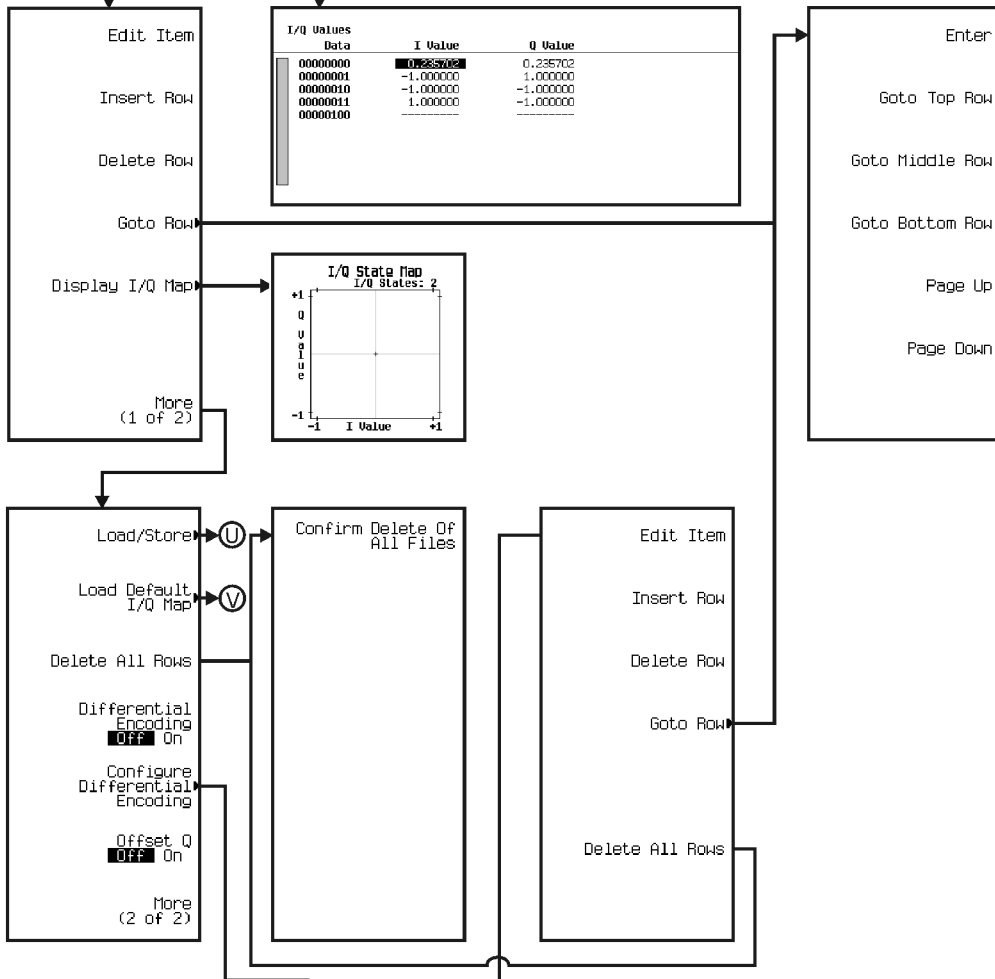
Key and Data Field Menu Maps
Real Time TDMA

Page 10 of 16 (L)



(S) and (T)
(M) thru (R)
See Next Page

pk7149c



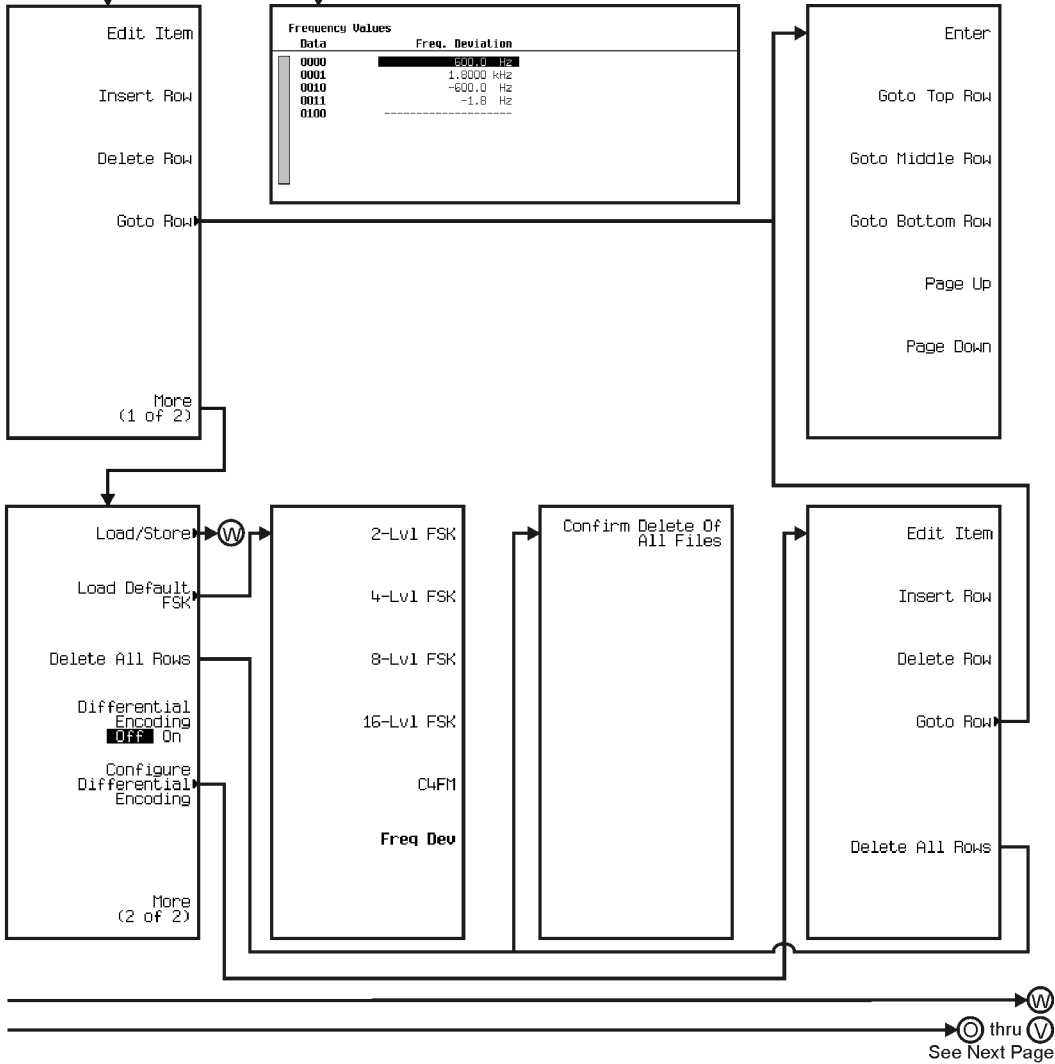
U and V

N thru T

See Next Page

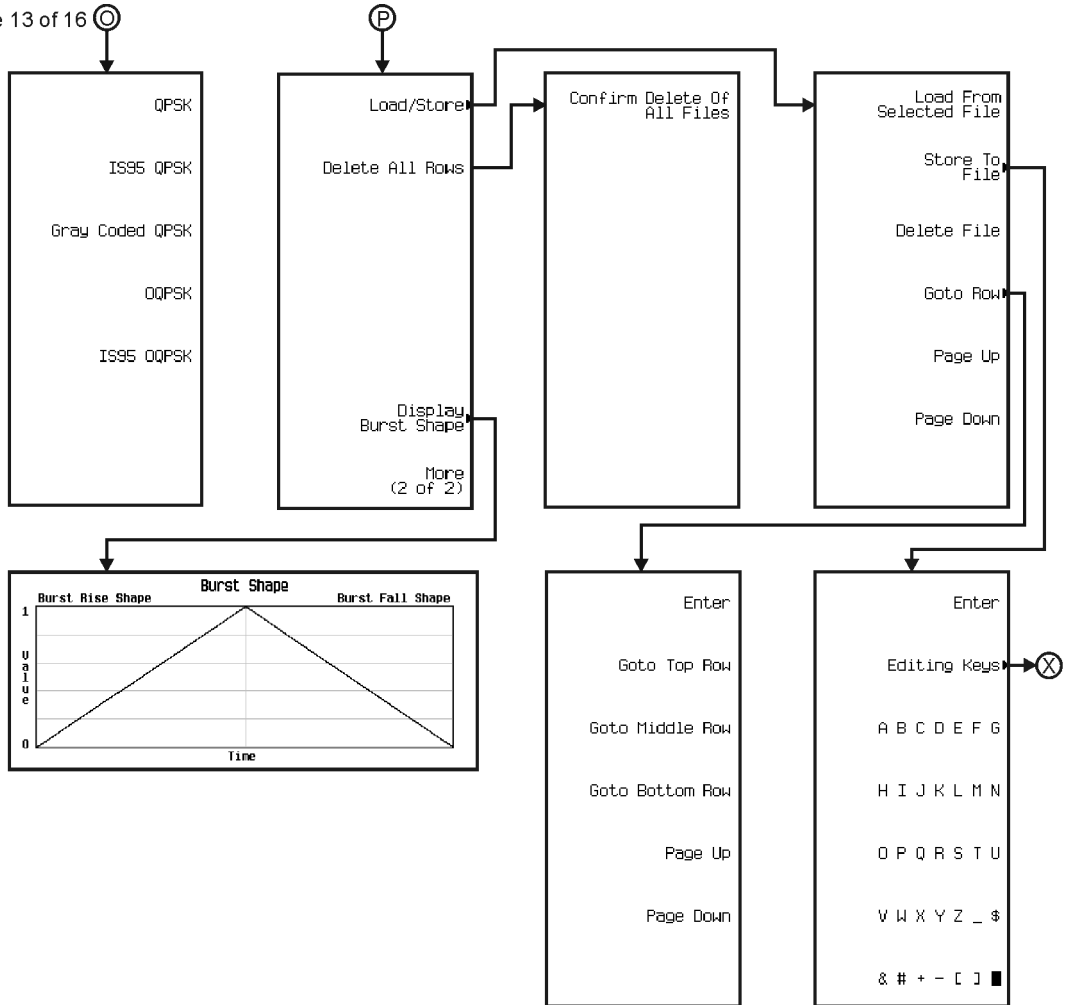
Key and Data Field Menu Maps
Real Time TDMA

Page 12 of 16 (N)



pk7151c

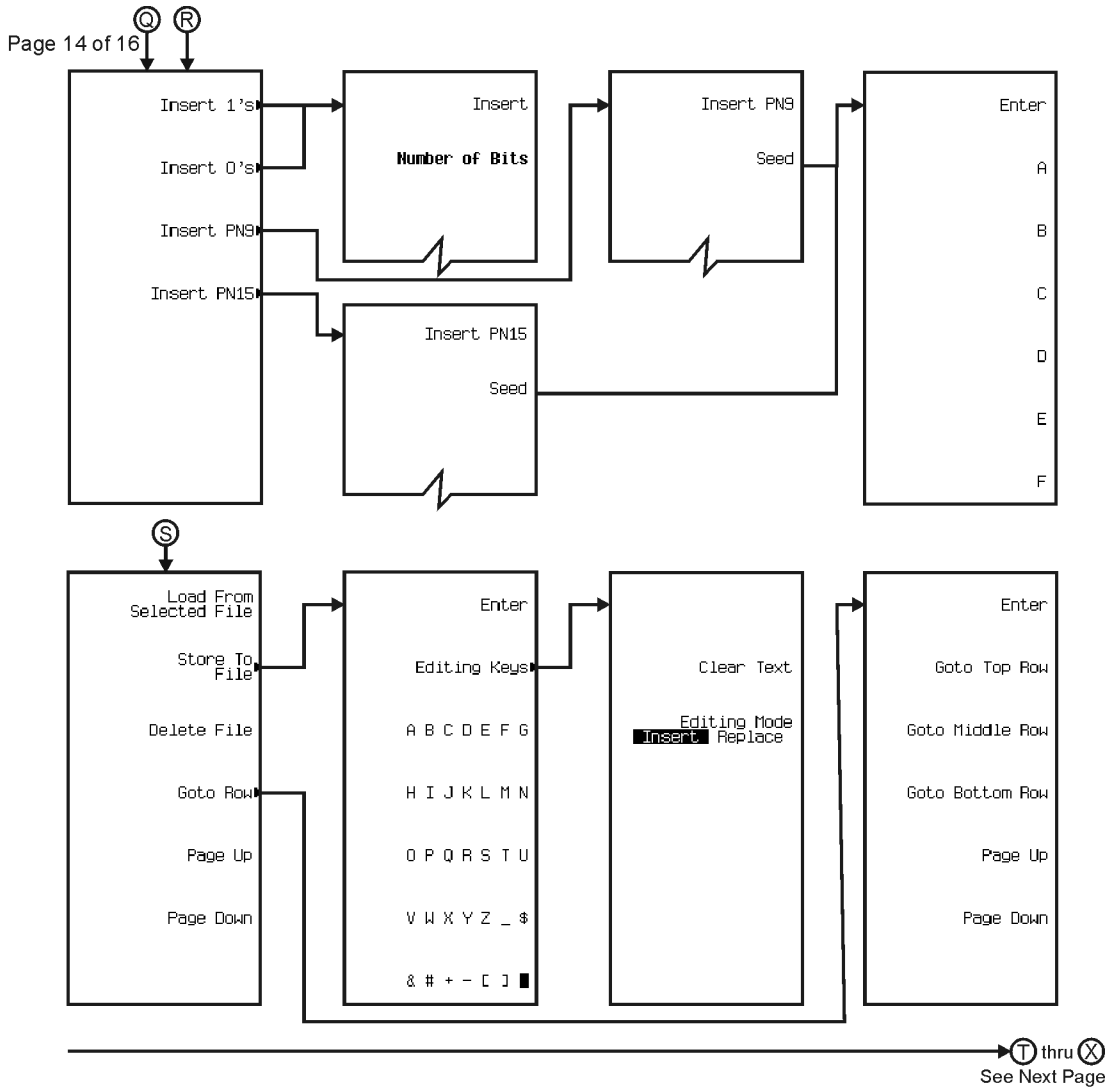
Page 13 of 16 **Q**



Q thru **W**
See Next Page

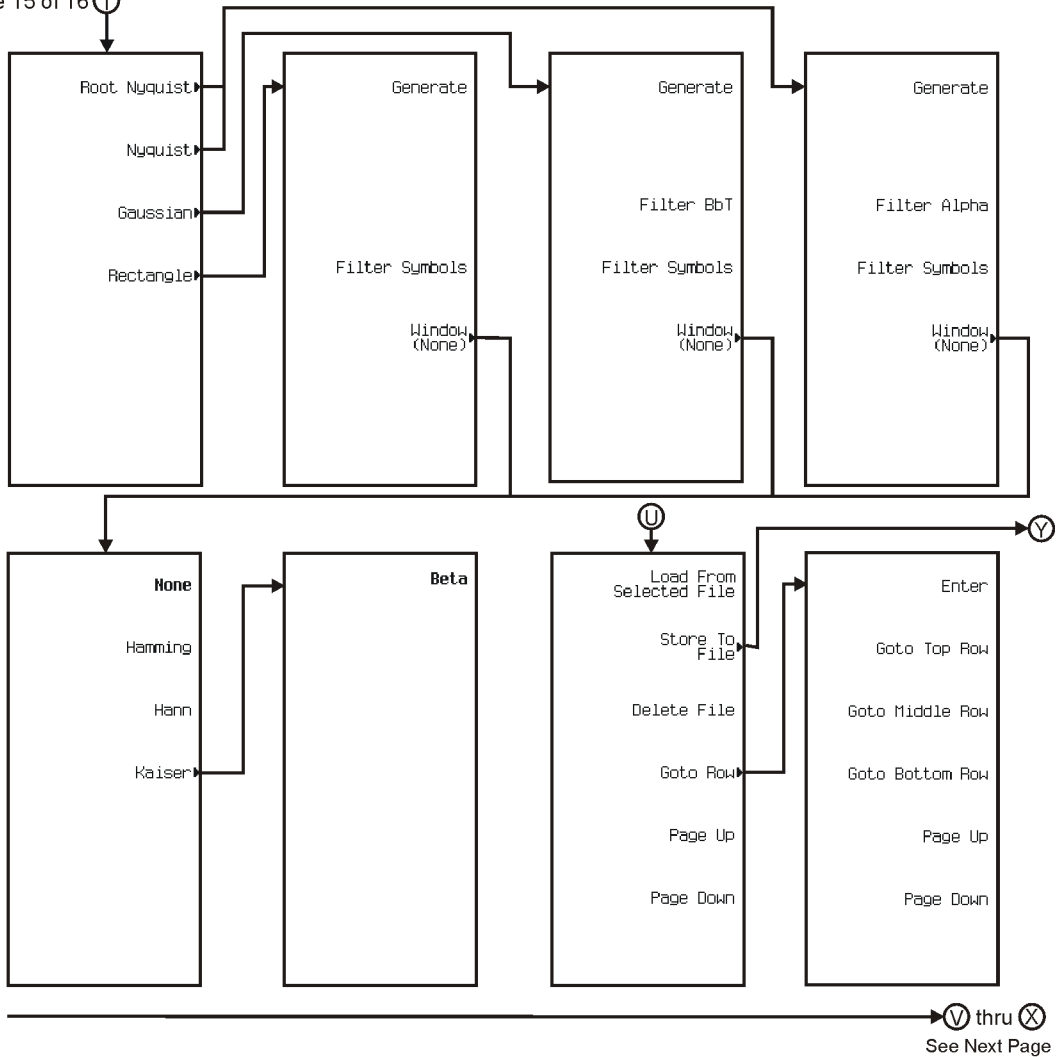
pk7152c

Key and Data Field Menu Maps
Real Time TDMA



pk7153c

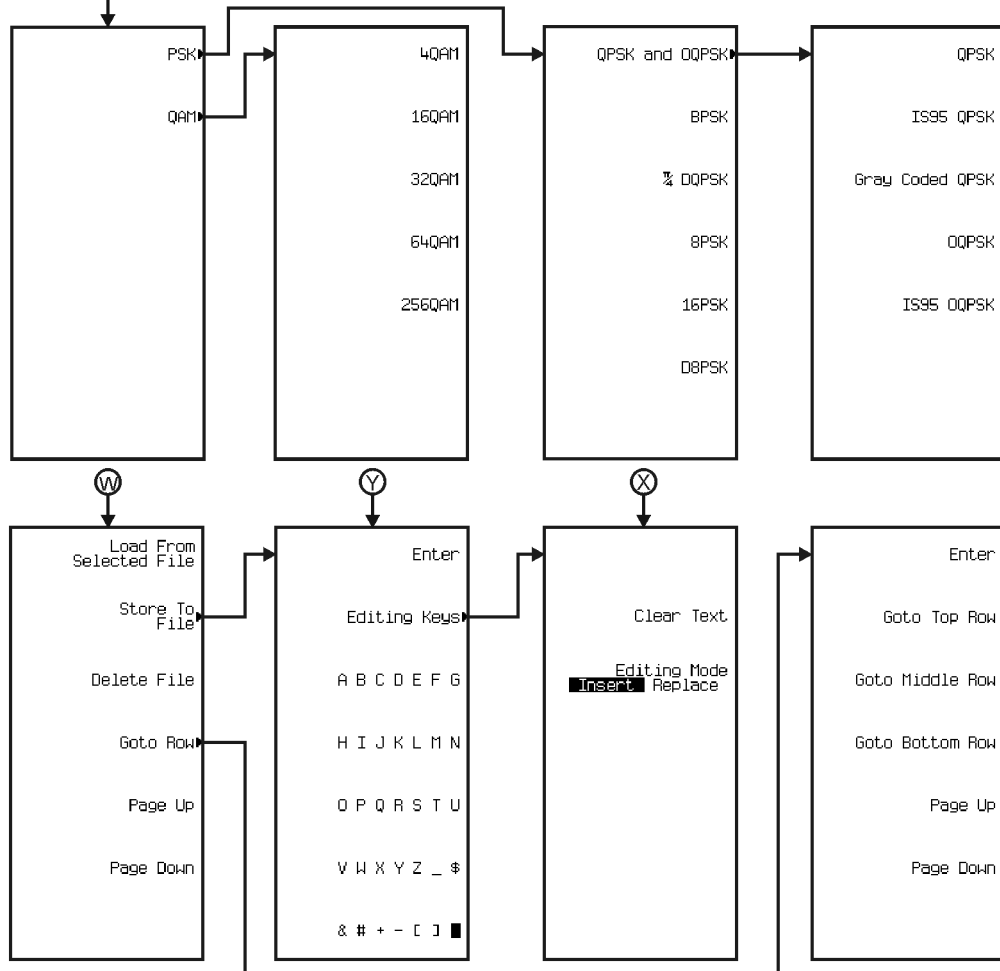
Page 15 of 16 (T)



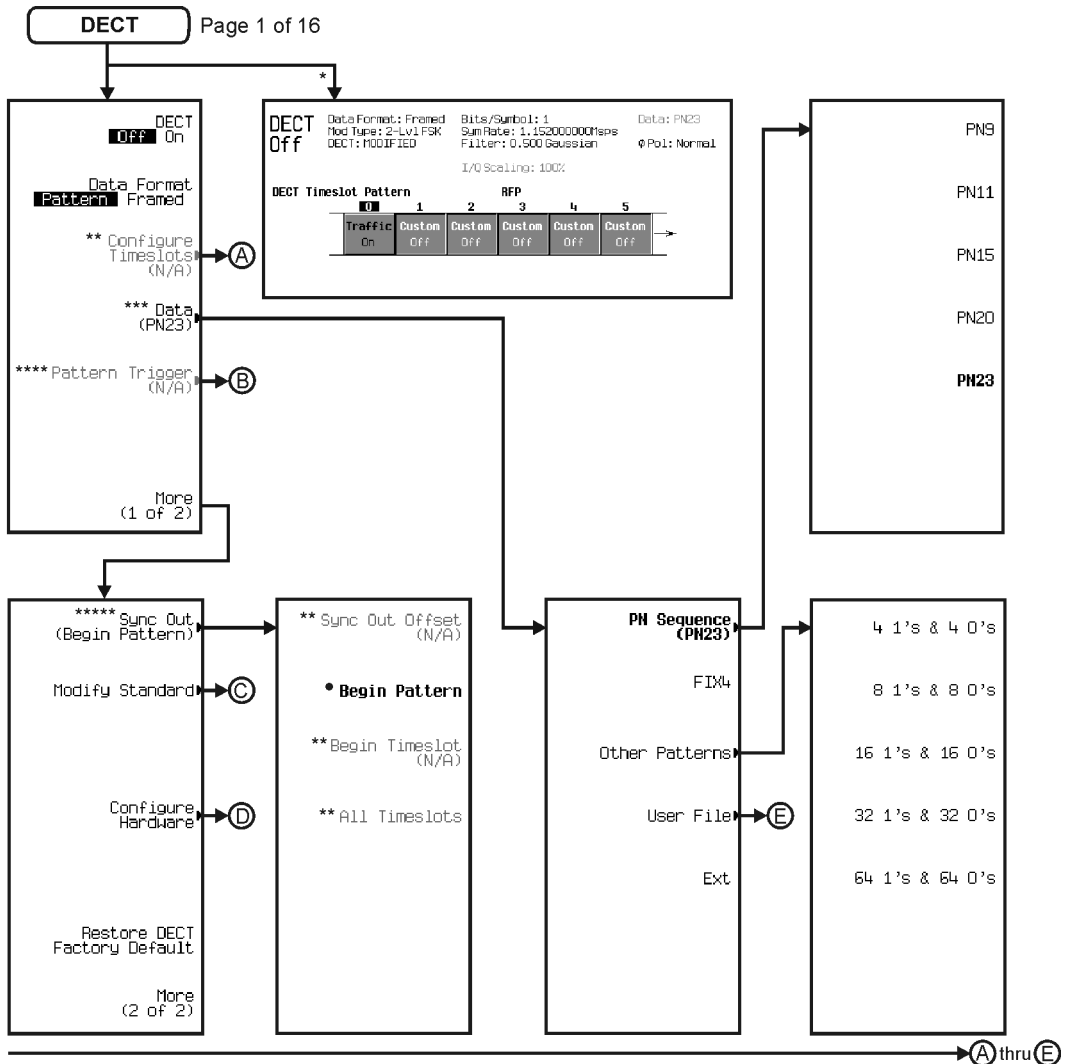
pk7154c

Key and Data Field Menu Maps
Real Time TDMA

Page 16 of 16 



pk7155c



* Appears when the **Data Format Pattern Framed** softkey is set to Framed. *****Changes to **Sync Out (Begin Frame)** when the **Data Format Pattern Framed** softkey is set to Framed.

** Active when the **Data Format Pattern Framed** softkey is set to Framed.

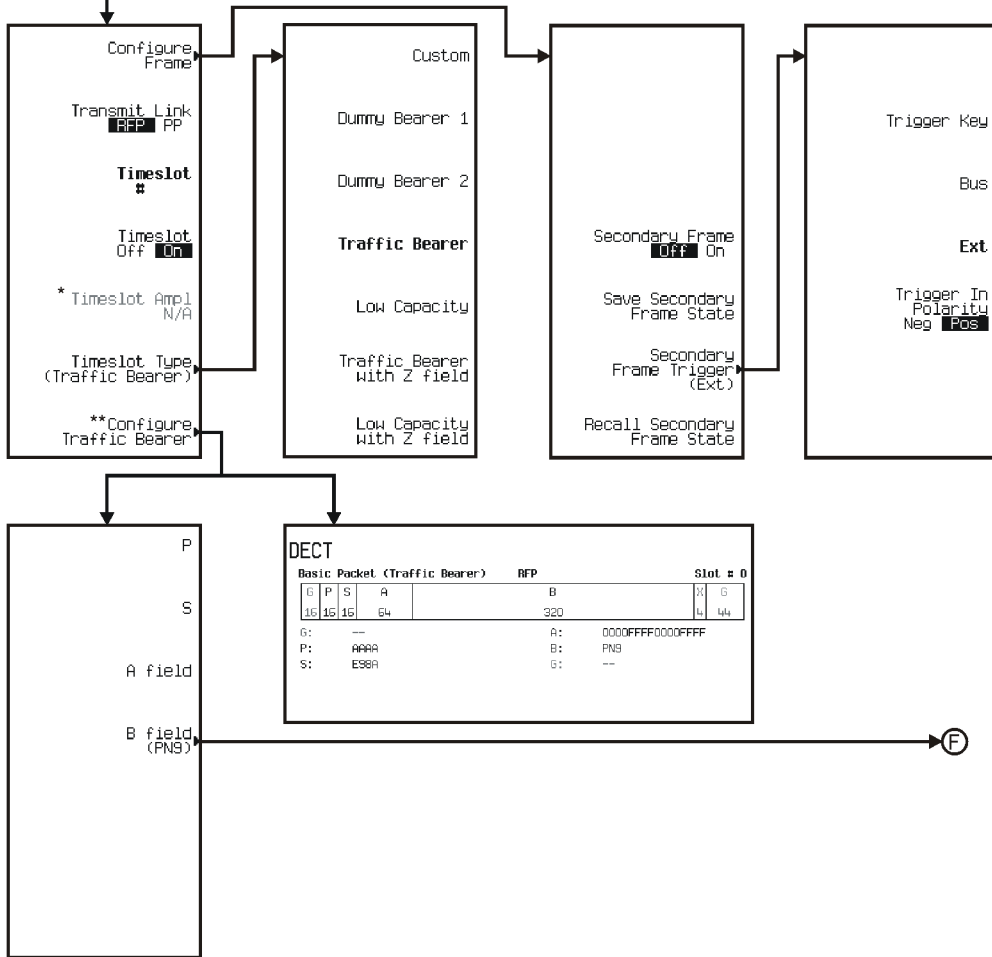
***Inactive when the **Data Format Pattern Framed** softkey is set to Framed.

****Becomes active and changes to **Frame Trigger** when the **Data Format Pattern Framed** softkey is set to Framed. • Changes to **Begin Frame** when the **Data Format Pattern Framed** softkey is set to Framed.

pk7160c

Key and Data Field Menu Maps
Real Time TDMA

Page 2 of 16 (A)

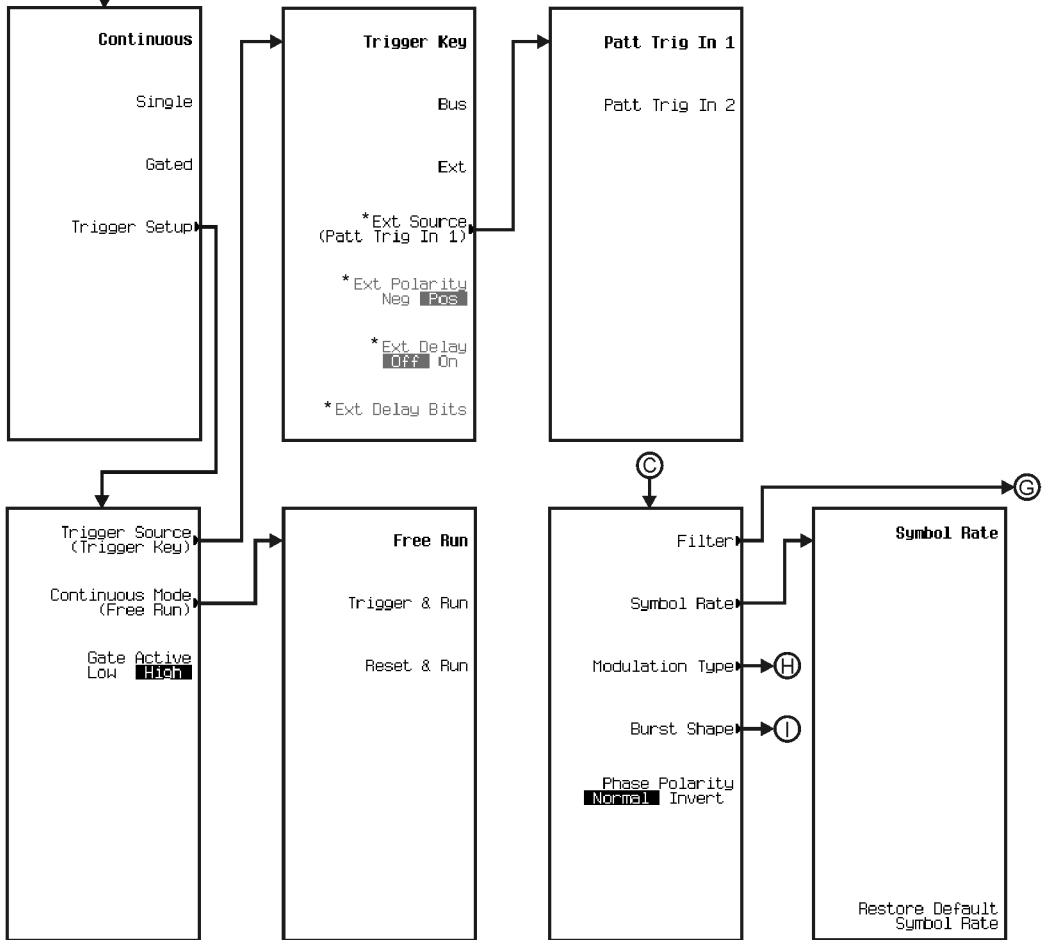


* This key is activated by pressing **Amplitude > More (1 of 2) > Alt Amp Off On**, until Alt Amp is on.
 This key and it's sub-level menu selections, change according to the **Timeslot Type selected.

(B) thru (E)
See Next Page

pk7161c

Page 3 of 16 (B)



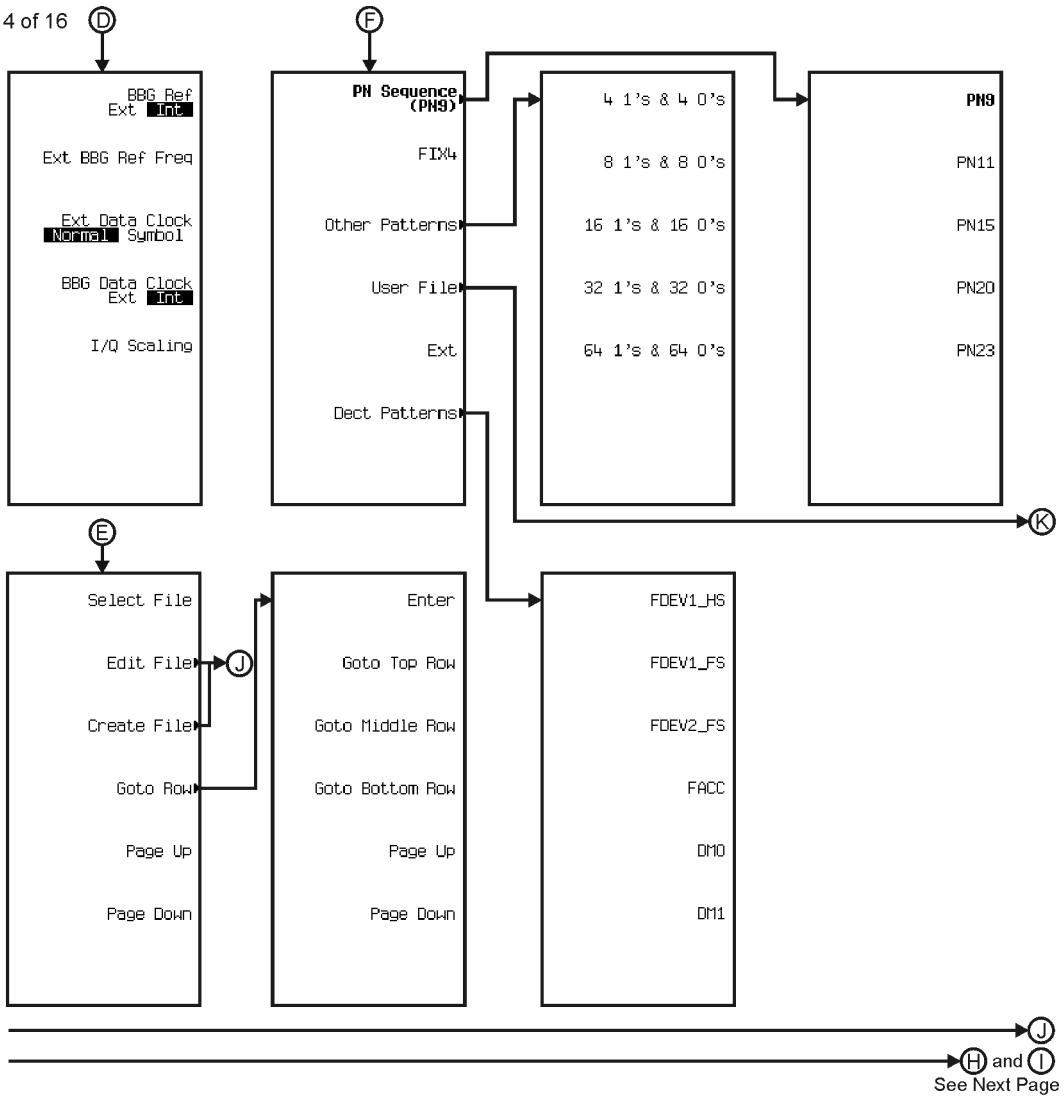
* Activate by pressing Ext.

(H) and (I)
(D) and (E)
See Next Page

pk7142c

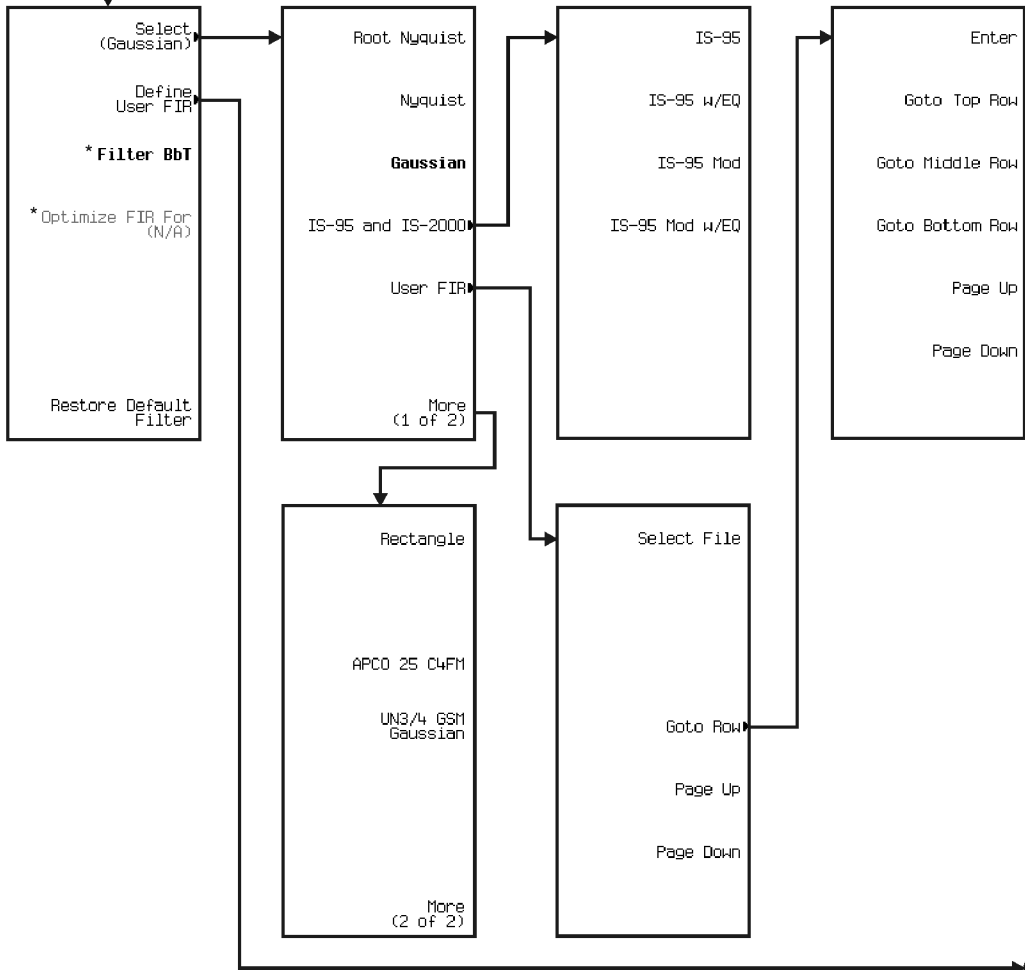
Key and Data Field Menu Maps
Real Time TDMA

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pk7162c

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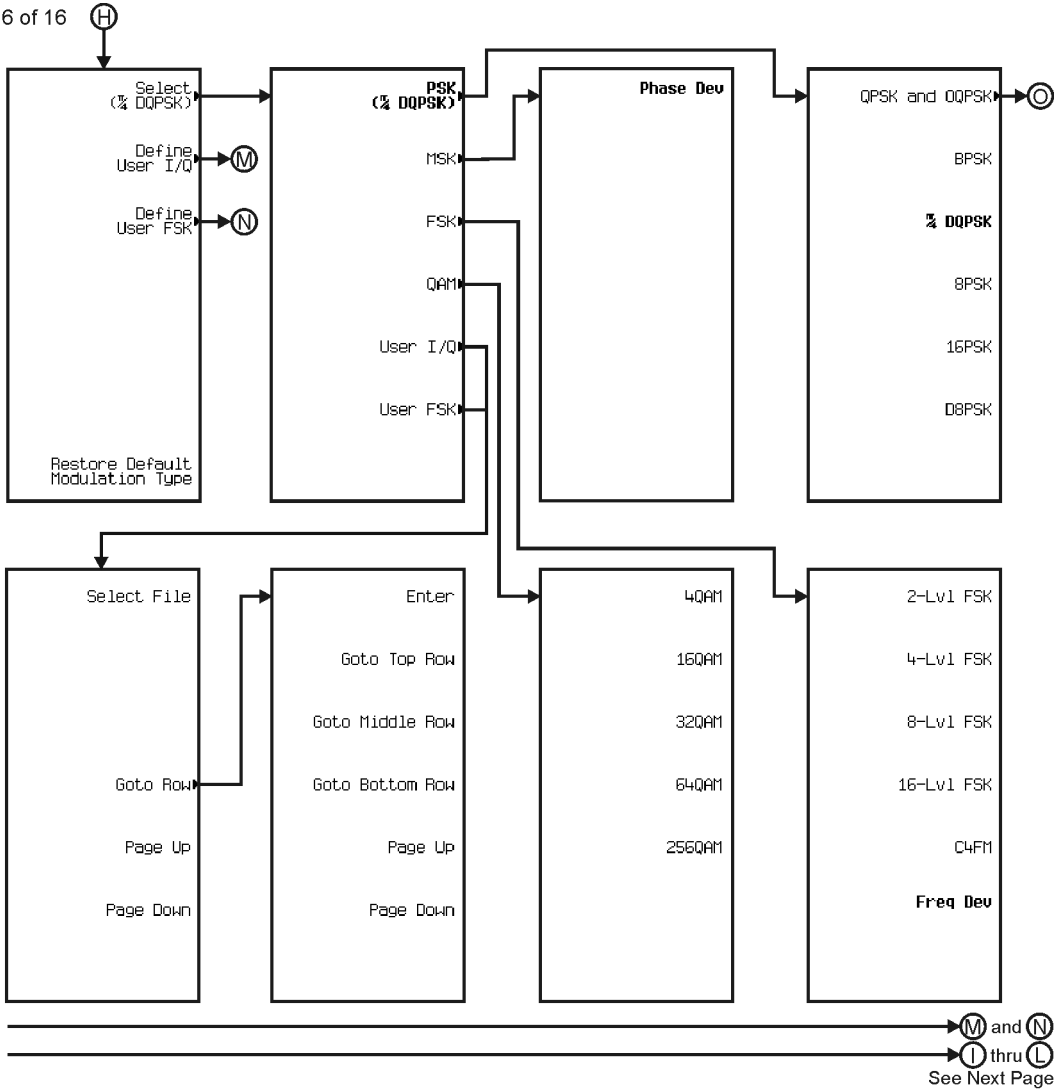
* Changes according to filter selected.

→ H thru K
See Next Page

pk7163c

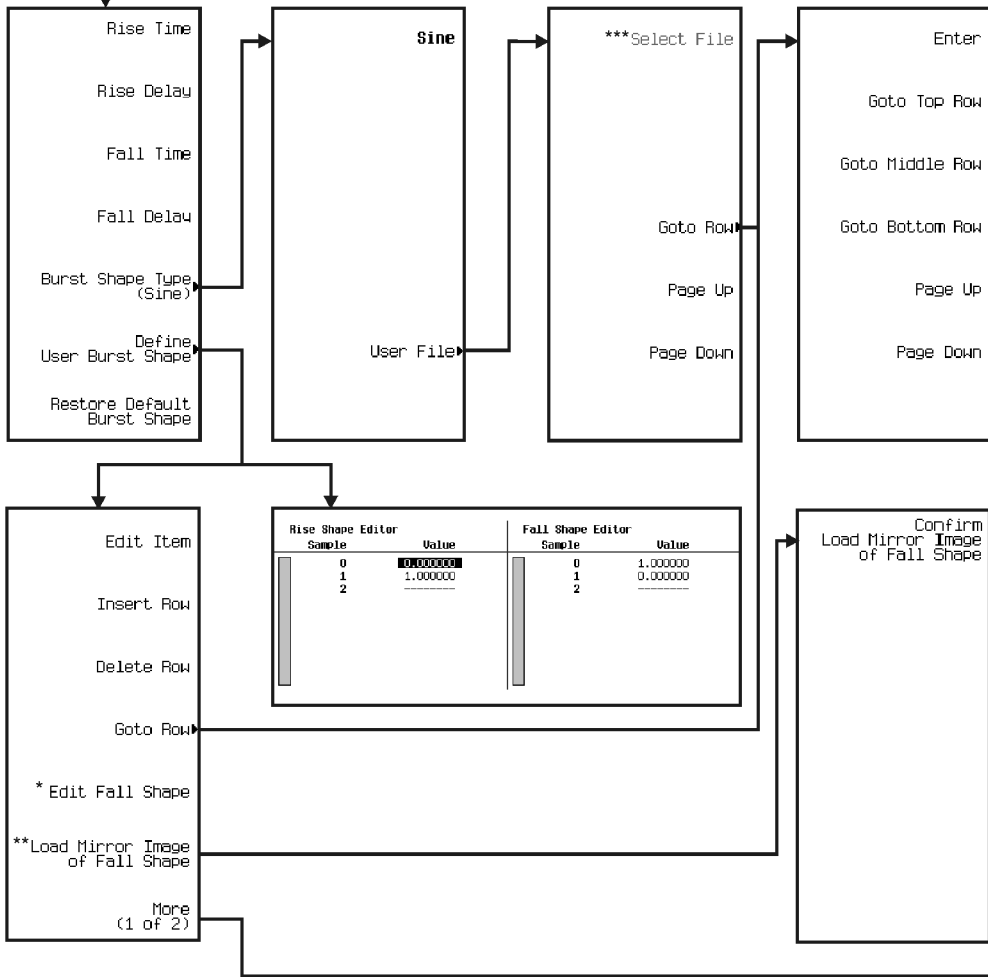
Key and Data Field Menu Maps
Real Time TDMA

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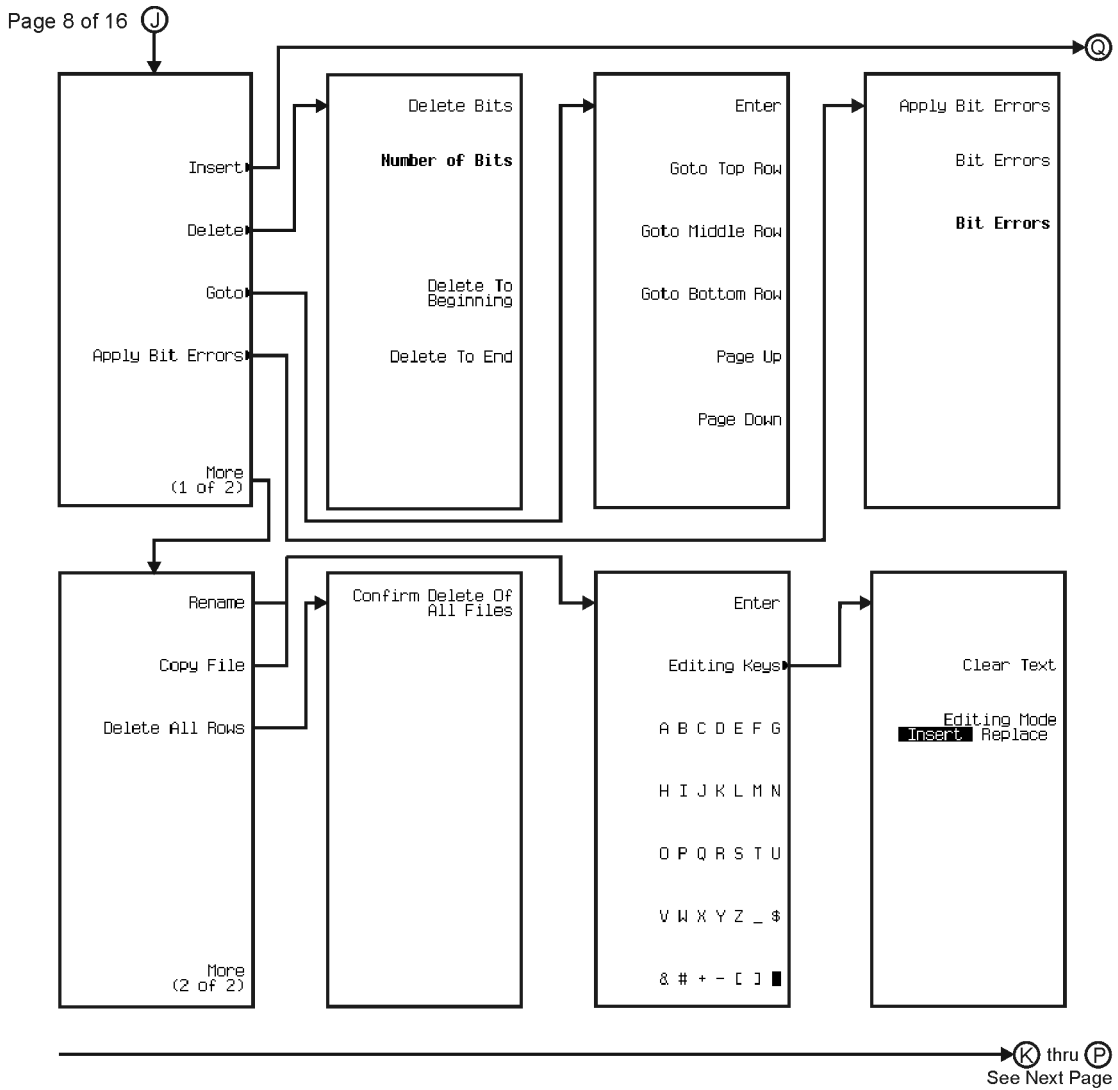
pk7145c

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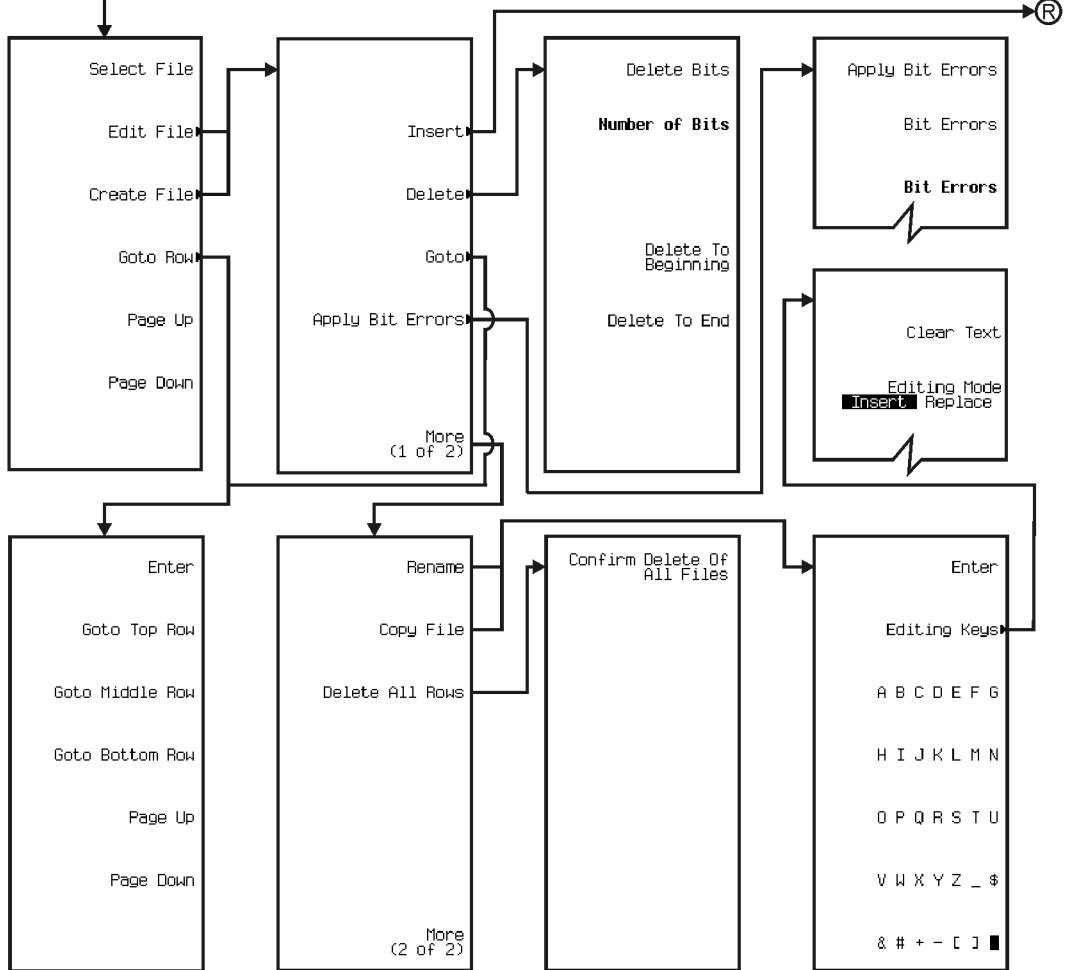
* This key changes to **Edit Rise Shape** when pressed.
 ** When **Edit Fall Shape** is pressed this key changes to **Load Mirror Image of Rise Shape**.
 *** For this key to be active, there must be a file to select.

Key and Data Field Menu Maps
Real Time TDMA



pk7147c

Page 9 of 16 (K)

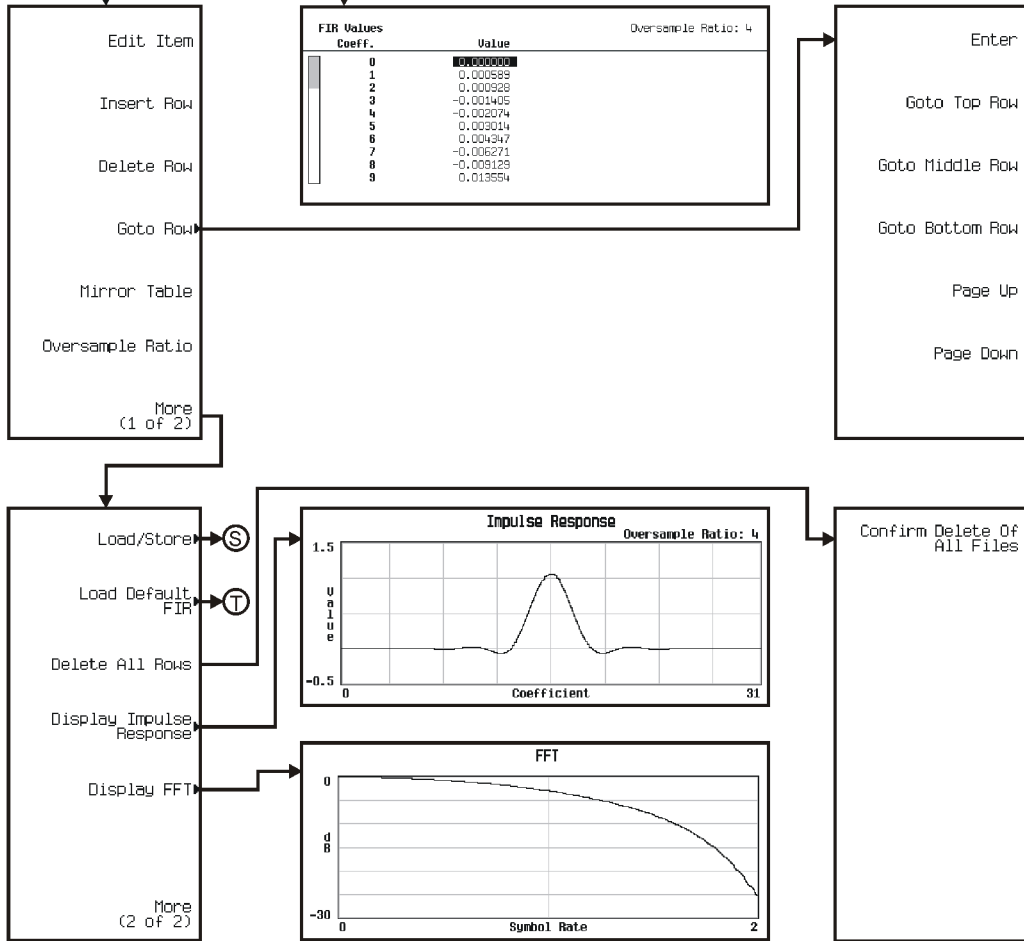


(L) thru (O)
See Next Page

pk7148c

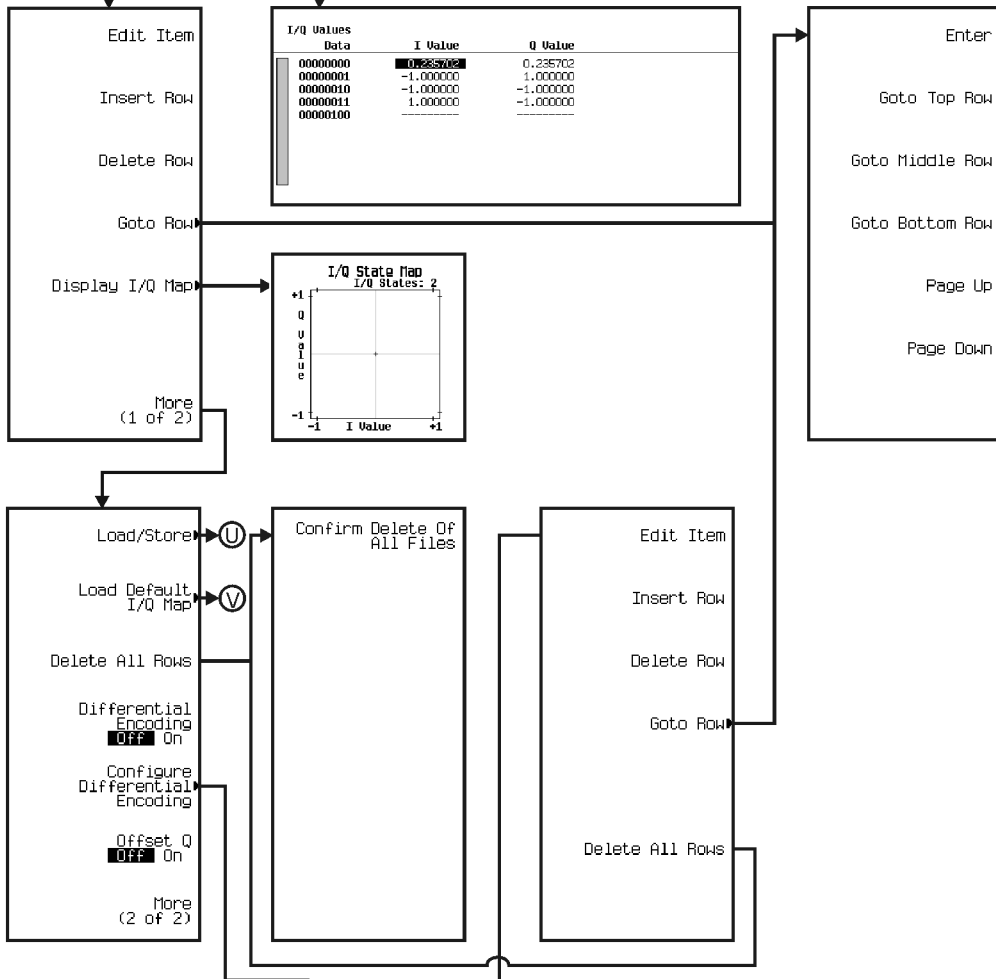
Key and Data Field Menu Maps
Real Time TDMA

Page 10 of 16 (L)

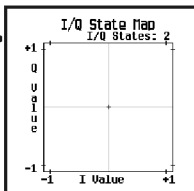


(S) and (T)
(M) thru (R)
See Next Page

pk7149c



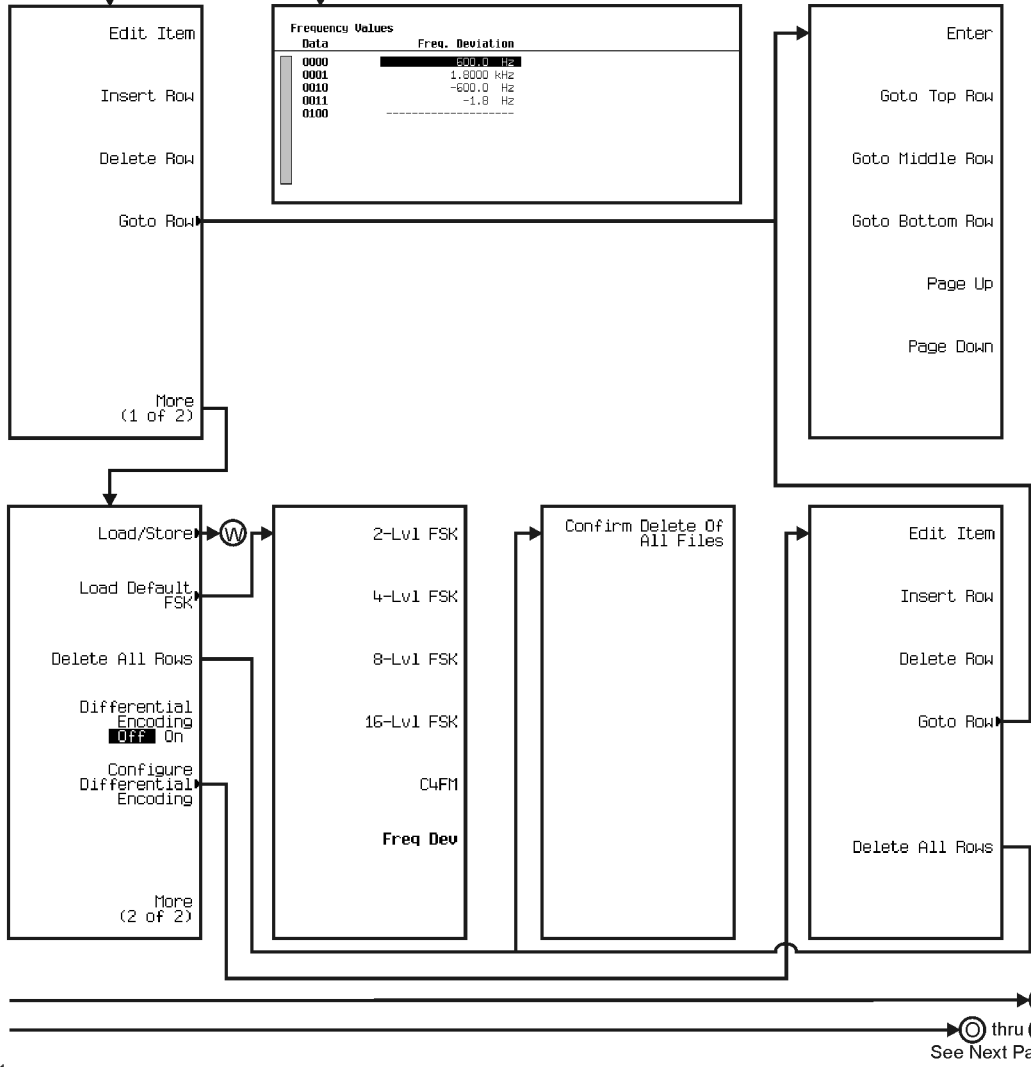
I/Q Values	I Value	Q Value
00000000	0.000000	0.235702
00000001	-1.000000	1.000000
00000010	-1.000000	-1.000000
00000011	1.000000	-1.000000
00000100		



(U) and (V)
(N) thru (T)
See Next Page

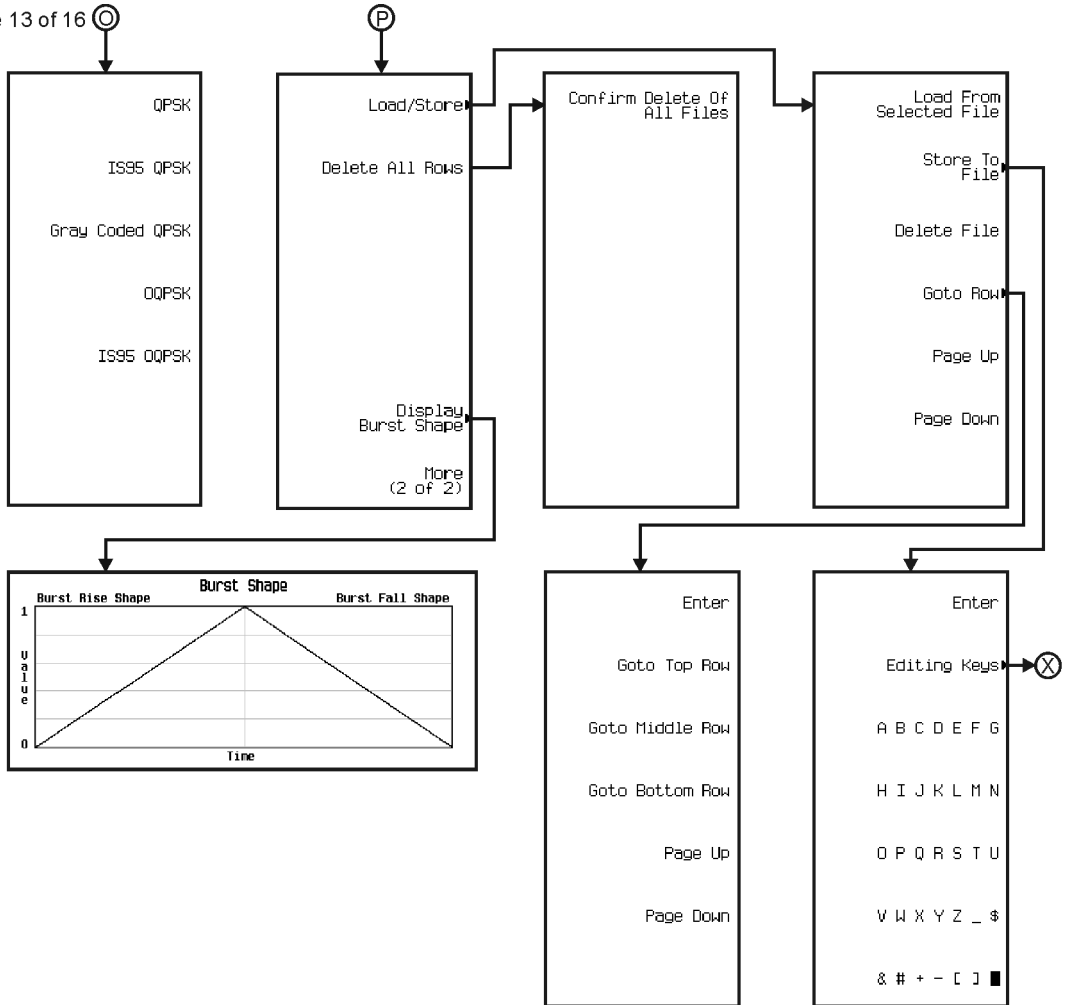
Key and Data Field Menu Maps
Real Time TDMA

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pk7151c

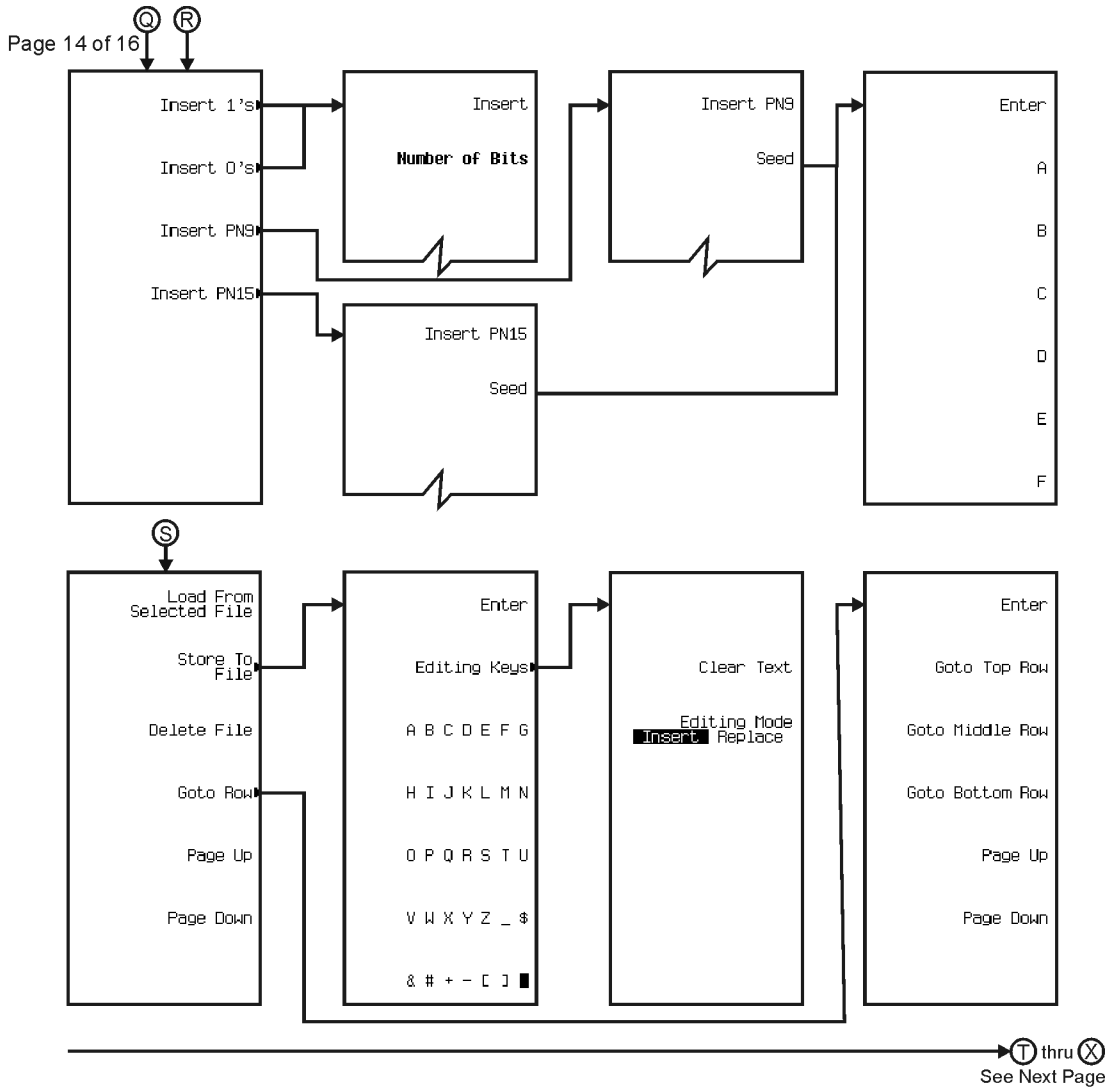
Page 13 of 16 **Q**



Q thru **W**
See Next Page

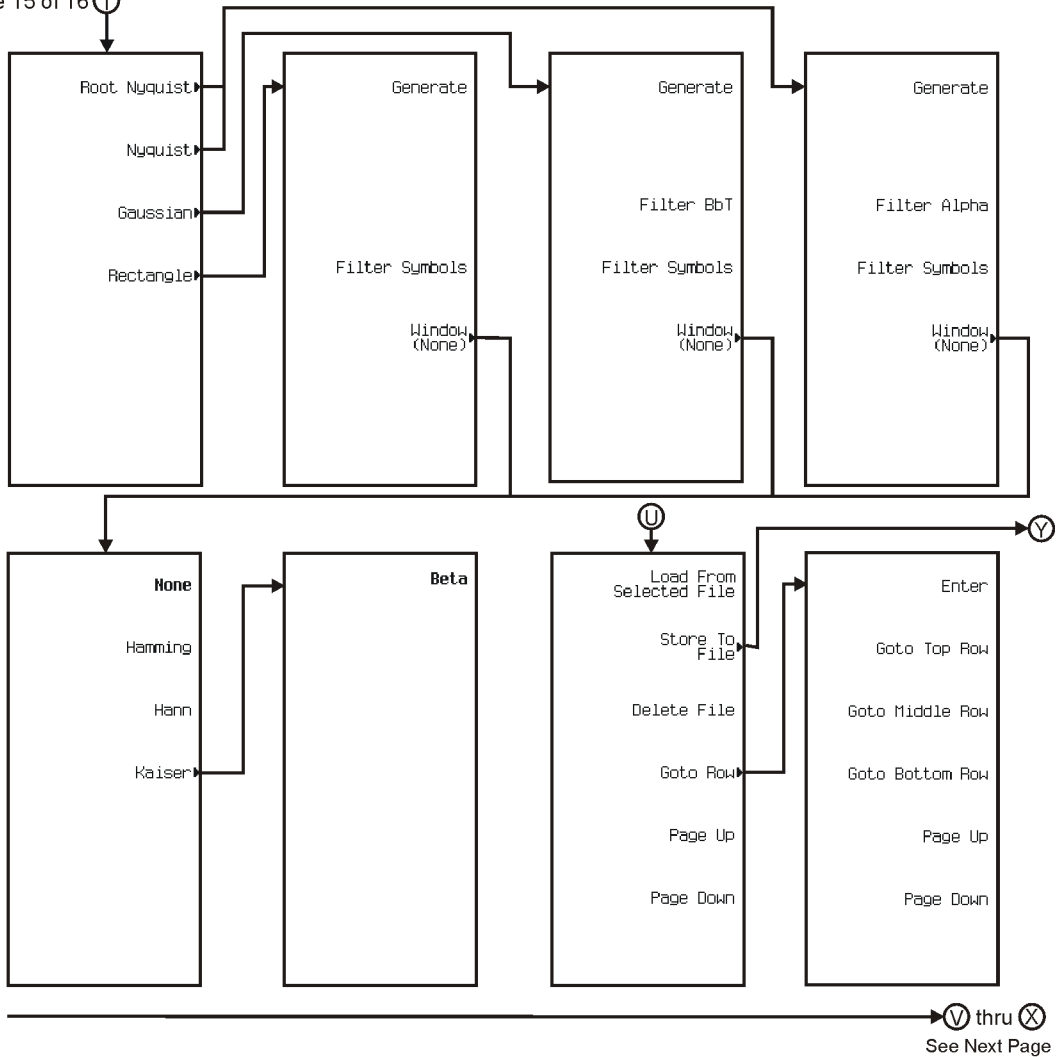
pk7152c

Key and Data Field Menu Maps
Real Time TDMA



pk7153c

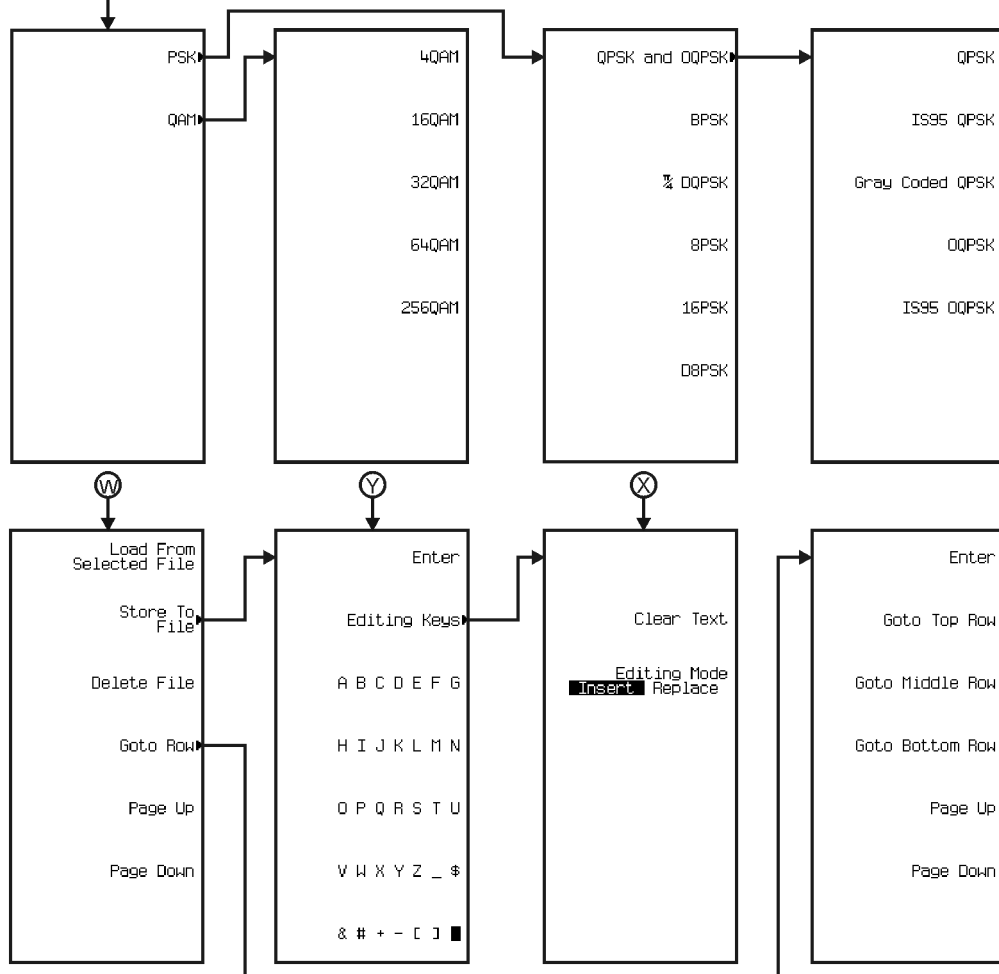
Page 15 of 16 (T)



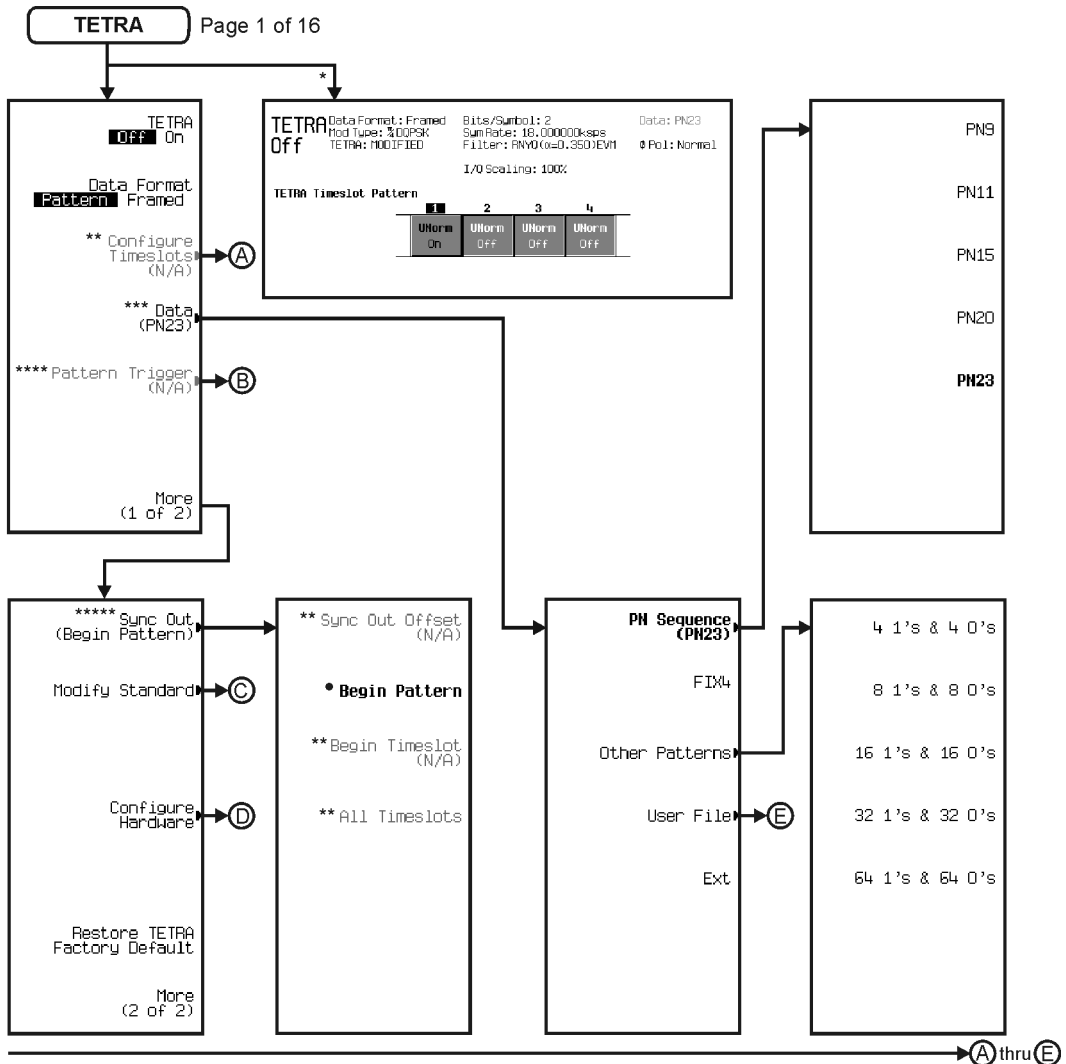
pk7154c

Key and Data Field Menu Maps
Real Time TDMA

Page 16 of 16 



pk7155c



* Appears when the **Data Format Pattern Framed** softkey is set to Framed. *****Changes to **Sync Out (Begin Frame)** when the **Data Format Pattern Framed** softkey is set to Framed.

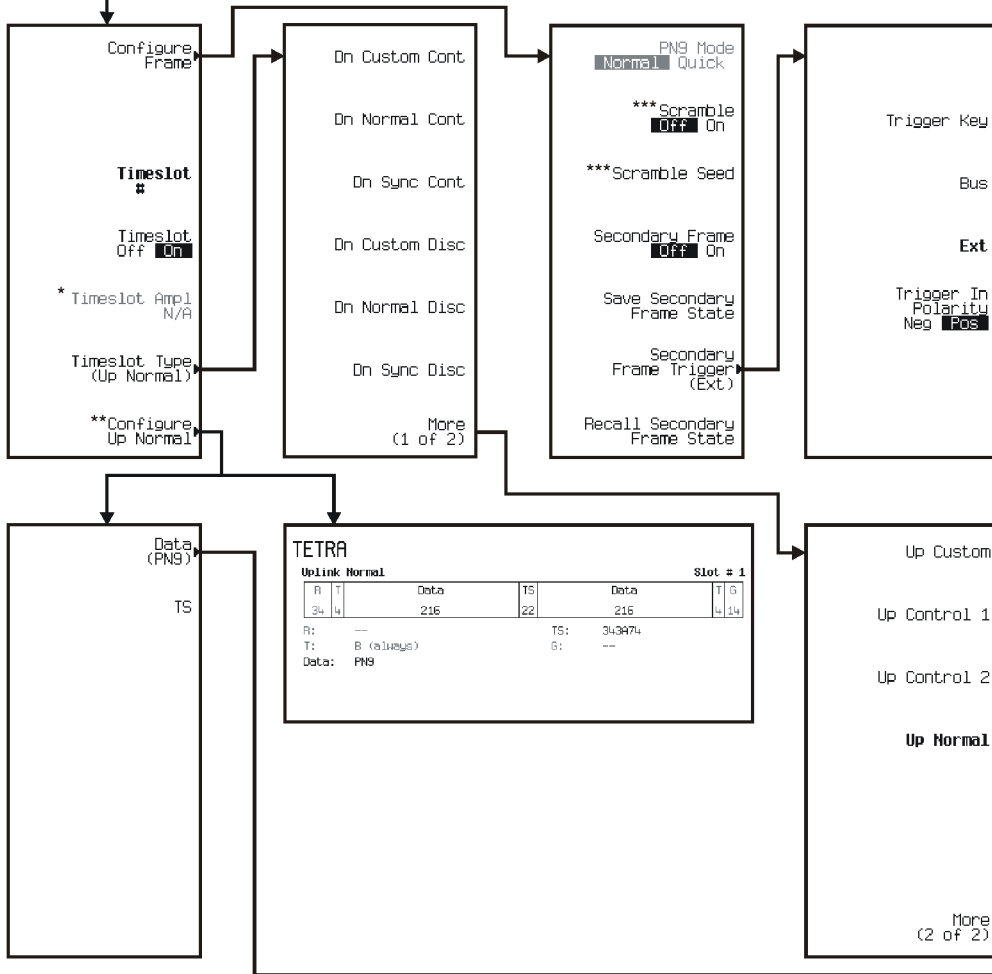
** Active when the **Data Format Pattern Framed** softkey is set to Framed. • Changes to Begin Frame when the **Data Format Pattern Framed** softkey is set to Framed.

***Inactive when the **Data Format Pattern Framed** softkey is set to Framed.

****Becomes active and changes to **Frame Trigger** when the **Data Format Pattern Framed** softkey is set to Framed.

Key and Data Field Menu Maps
Real Time TDMA

Page 2 of 16 (A)



* This key is activated by pressing **Amplitude > More (1 of 2) > Alt Amp Off On**, until Alt Amp is on.

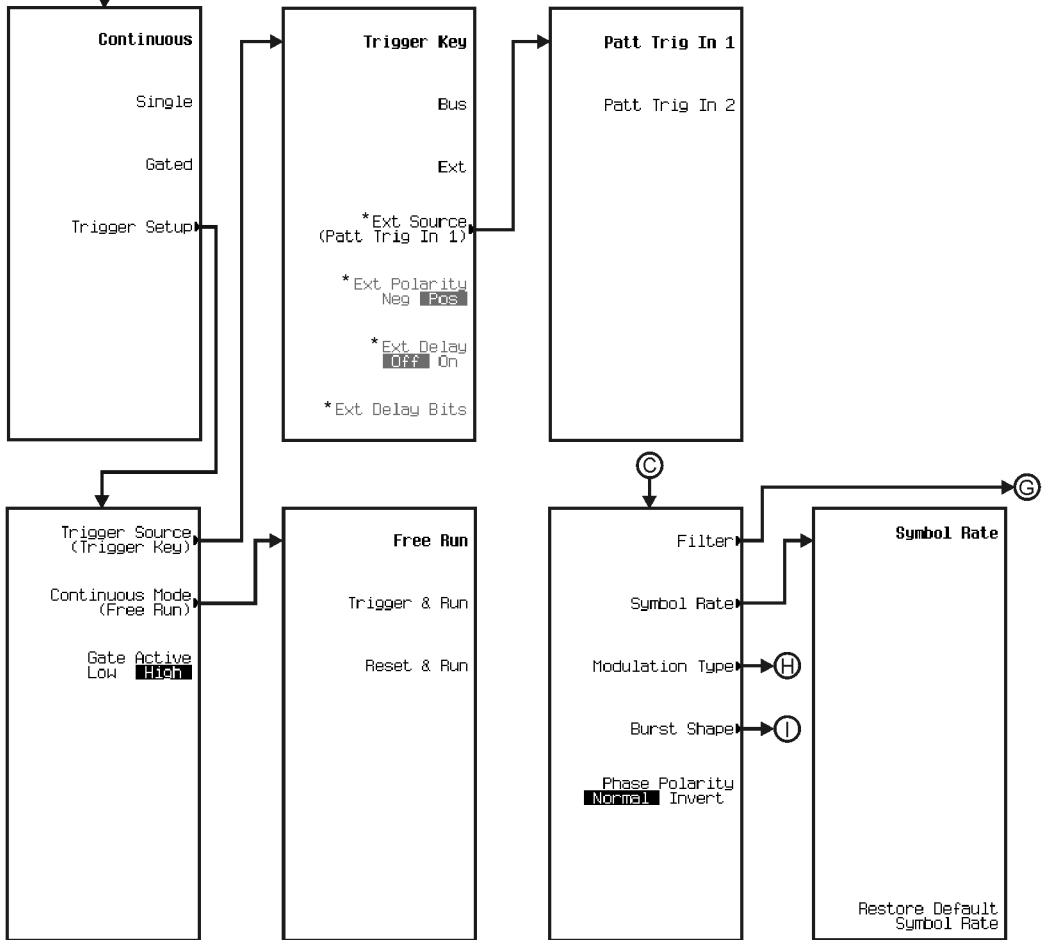
** This key and it's sub-level menu selections, change according to the **Timeslot Type** selected.

***Only available when **Data Format Pattern Framed** is selected.

(B) thru (E)
See Next Page

pk7165c

Page 3 of 16 (B)



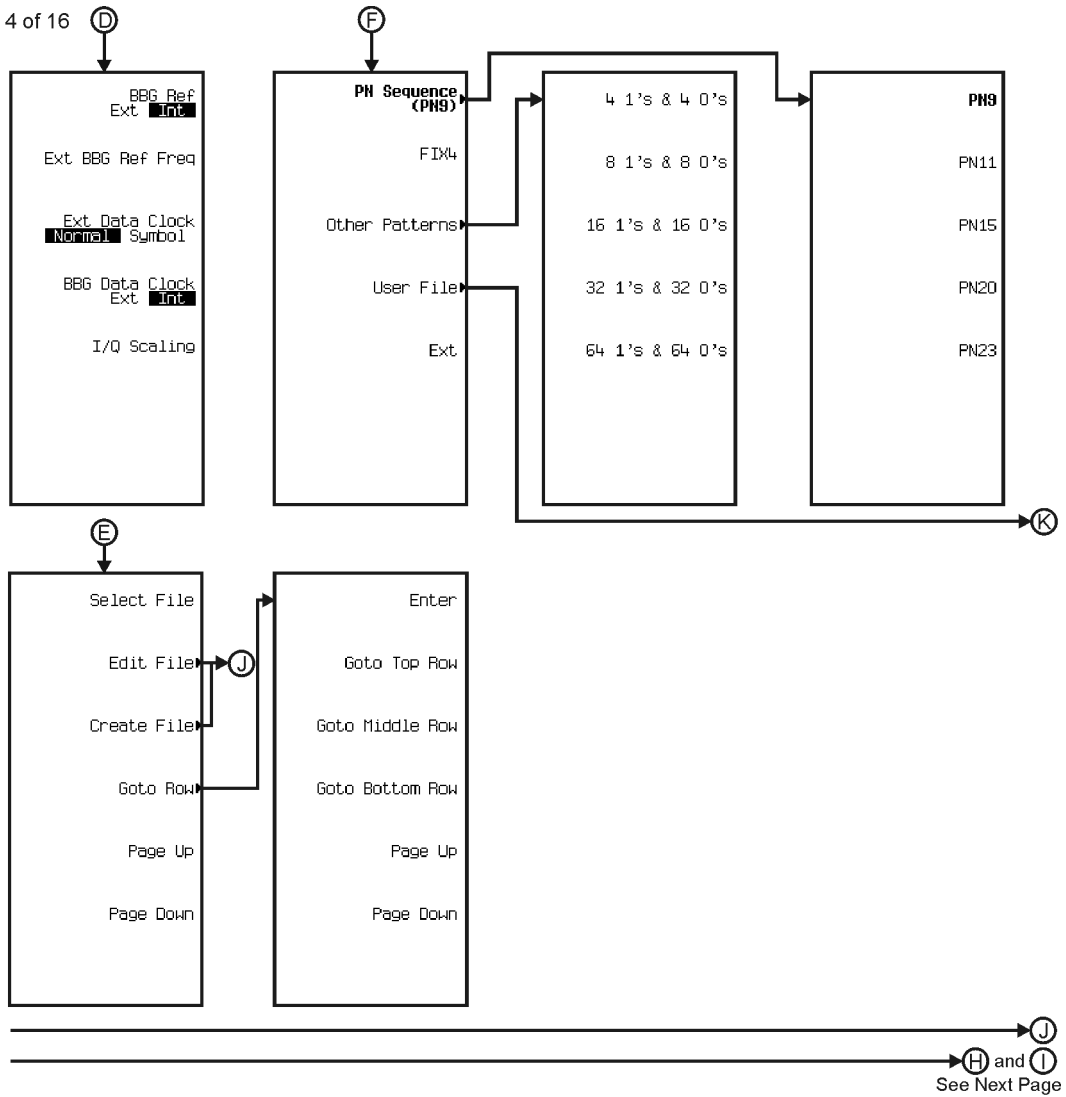
* Activate by pressing Ext.

(H) and (I)
(D) and (E)
See Next Page

pk7142c

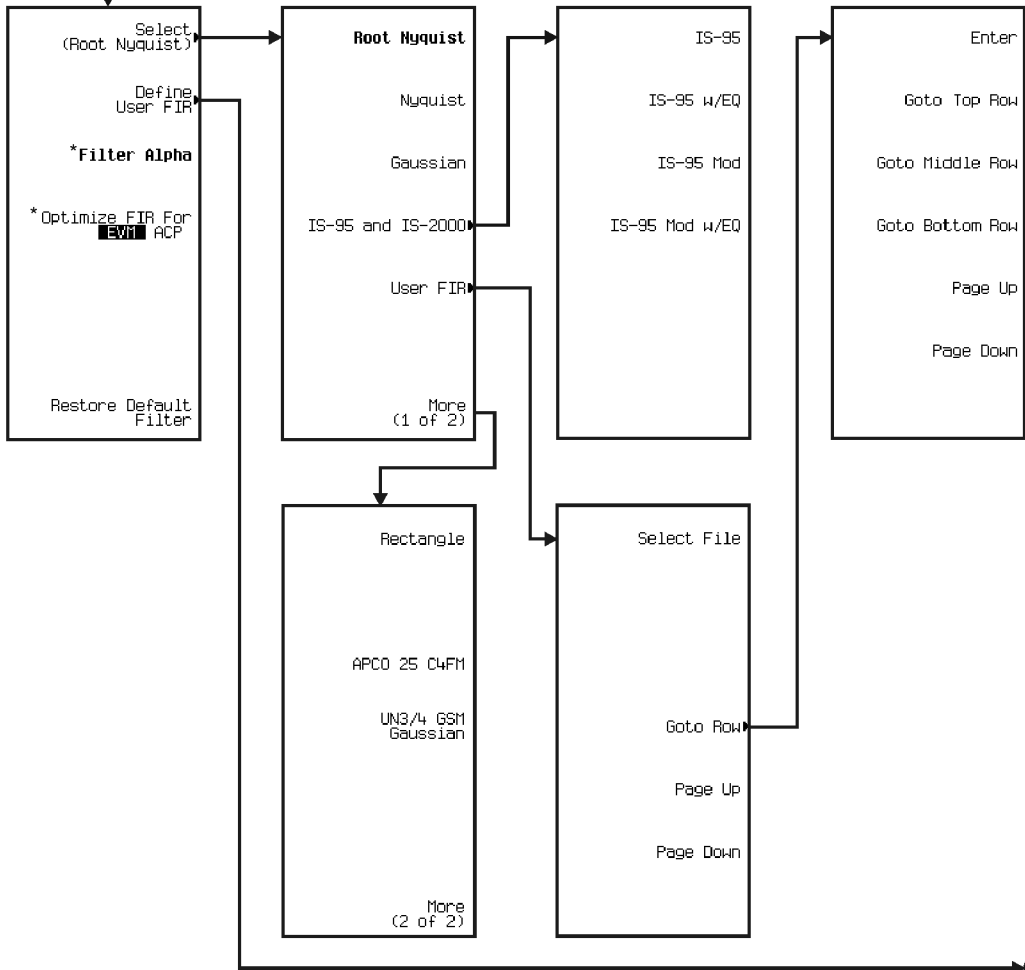
Key and Data Field Menu Maps
Real Time TDMA

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pk7143c

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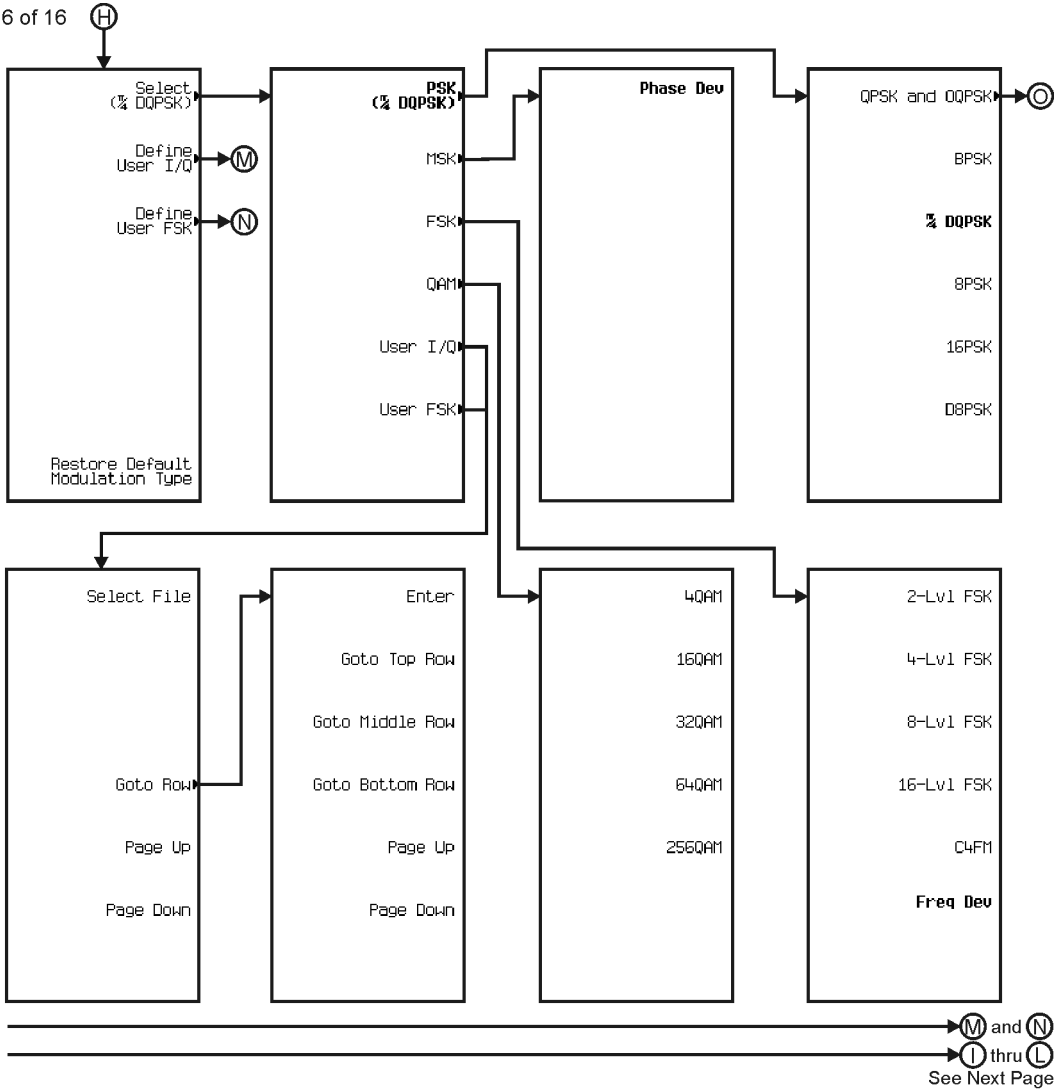
* Changes according to filter selected.

→ H thru K
See Next Page

pk7144c

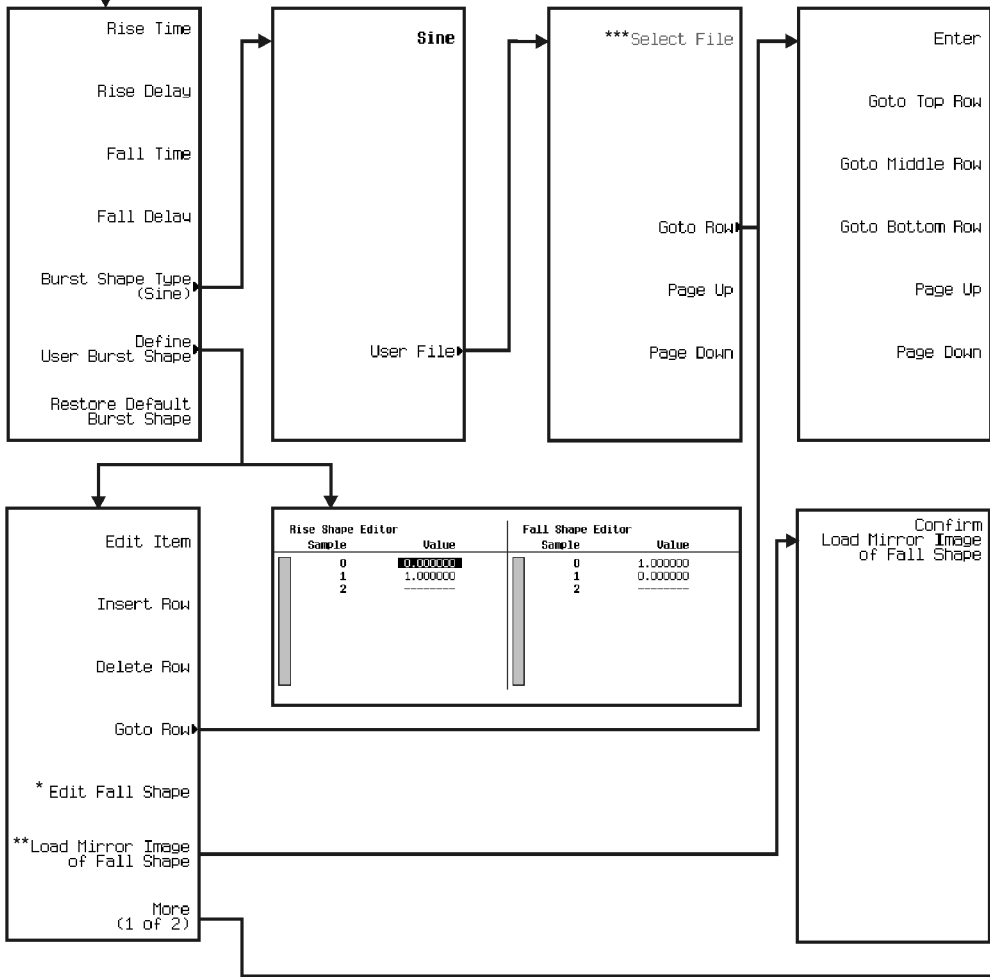
Key and Data Field Menu Maps
Real Time TDMA

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pk7145c

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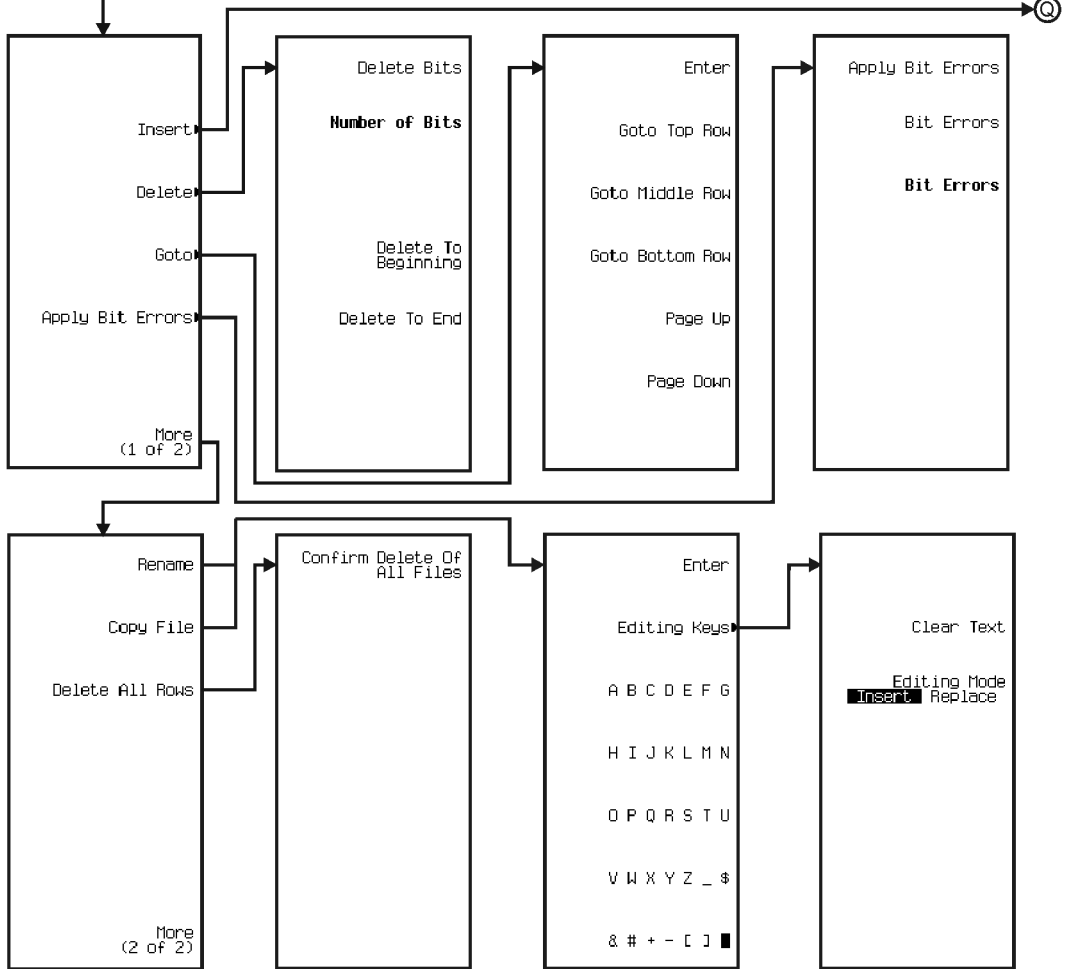
* This key changes to **Edit Rise Shape** when pressed.
 ** When **Edit Fall Shape** is pressed this key changes to **Load Mirror Image of Rise Shape**.
 *** For this key to be active, there must be a file to select.

Ⓟ thru Ⓞ
See Next Page

pk7146c

Key and Data Field Menu Maps
Real Time TDMA

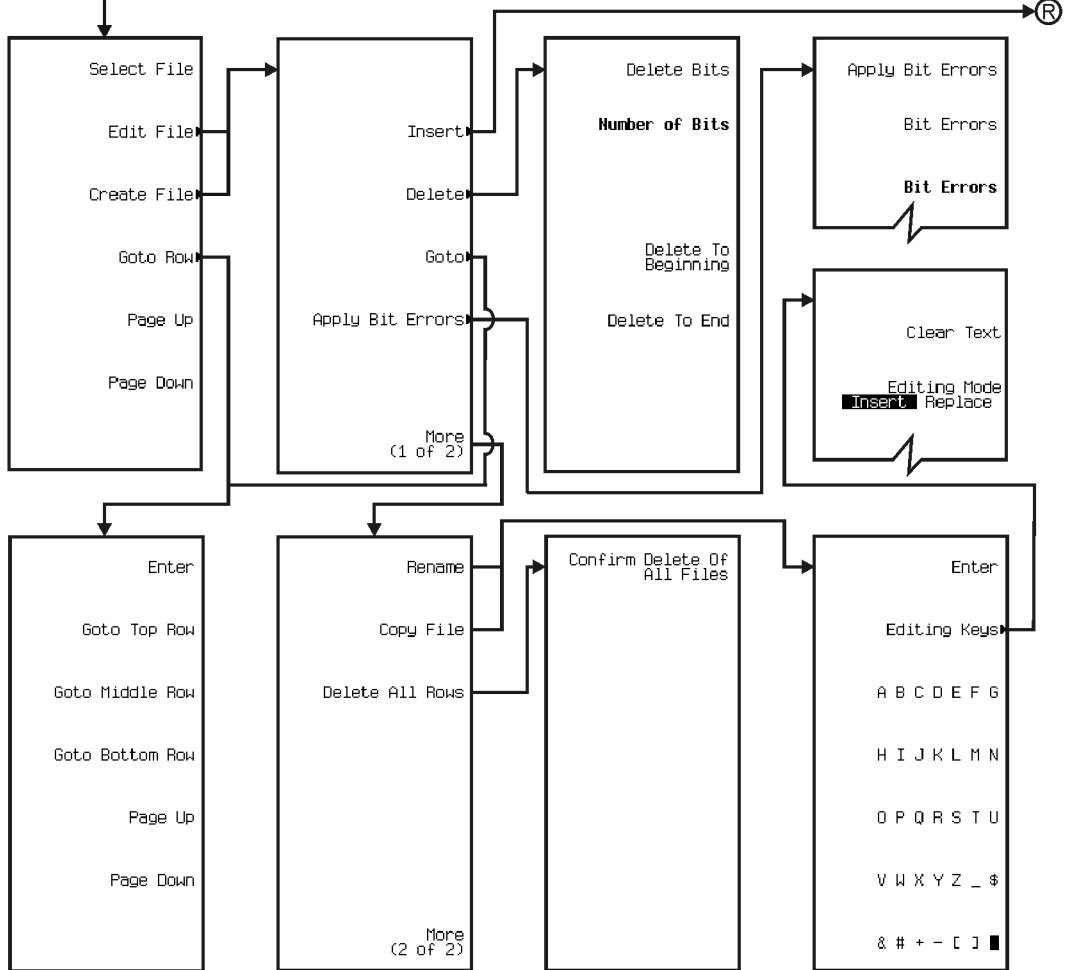
Page 8 of 16 (J)



(K) thru (P)
 See Next Page

pk7147c

Page 9 of 16 (K)

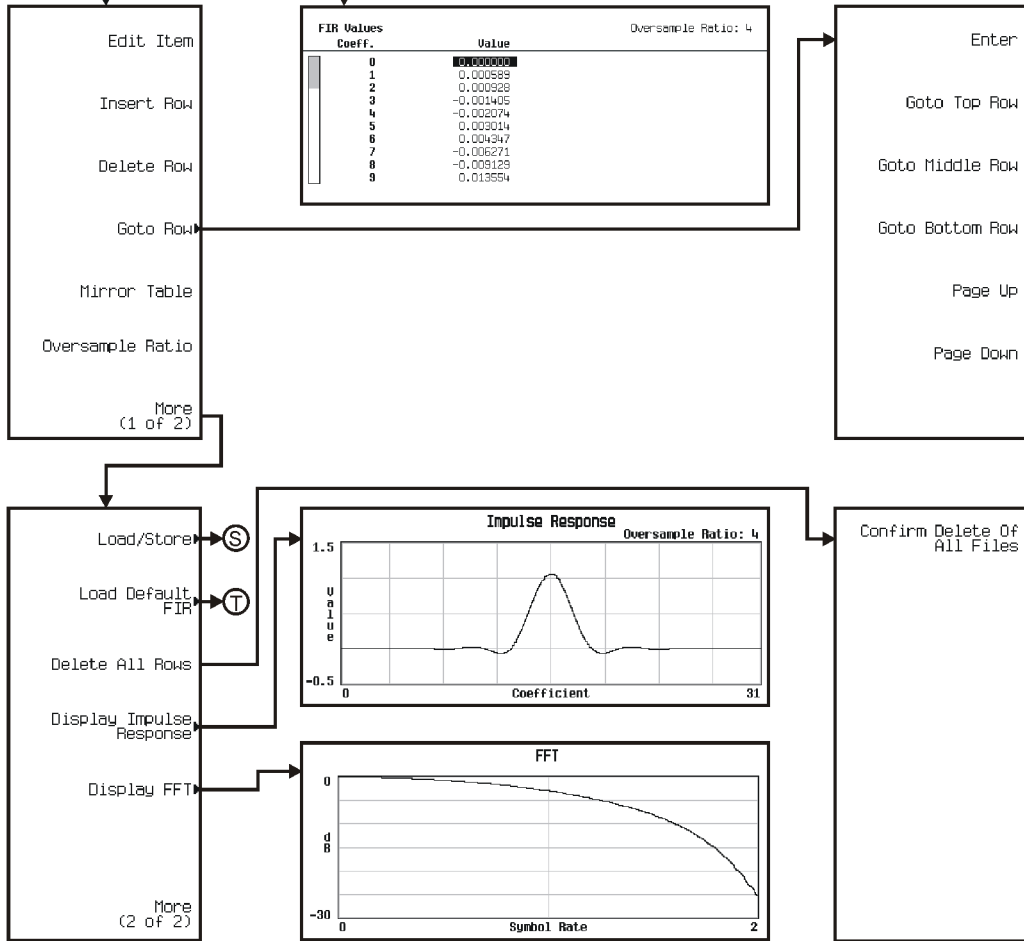


(L) thru (O)
See Next Page

pk7148c

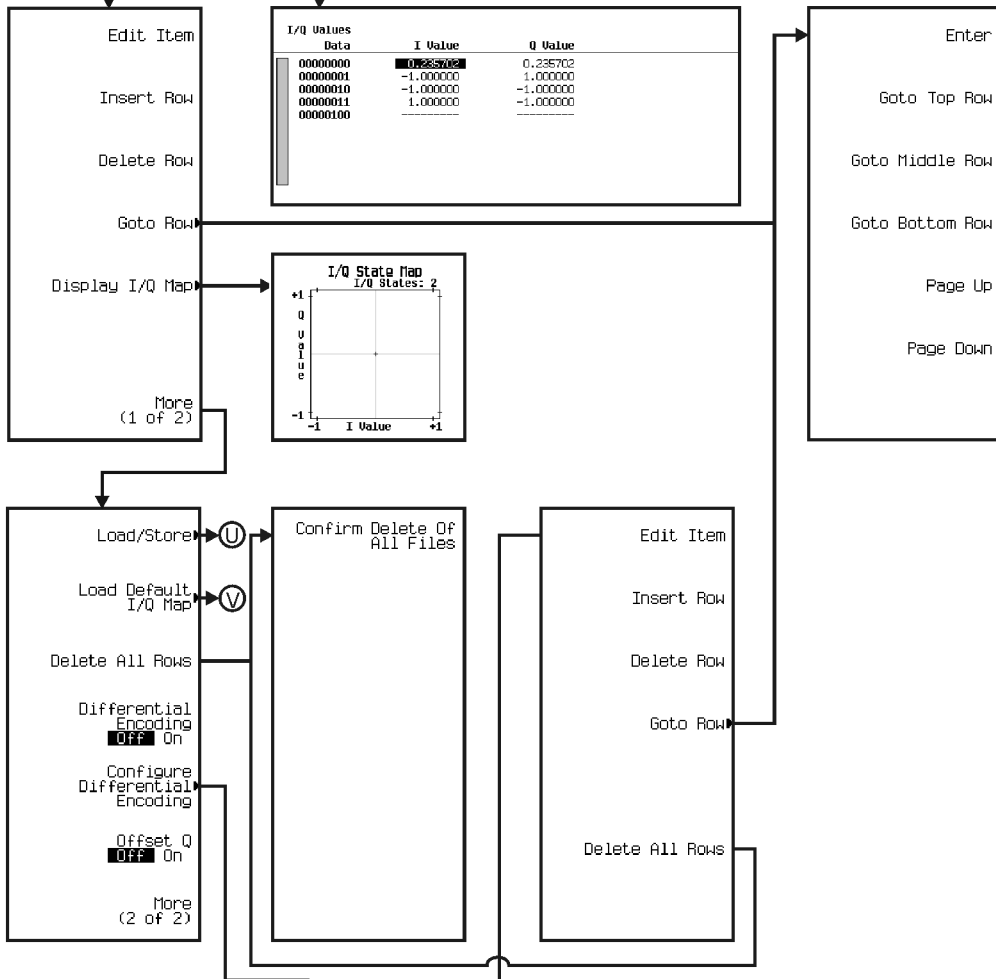
Key and Data Field Menu Maps
Real Time TDMA

Page 10 of 16 (L)



(S) and (T)
(M) thru (R)
See Next Page

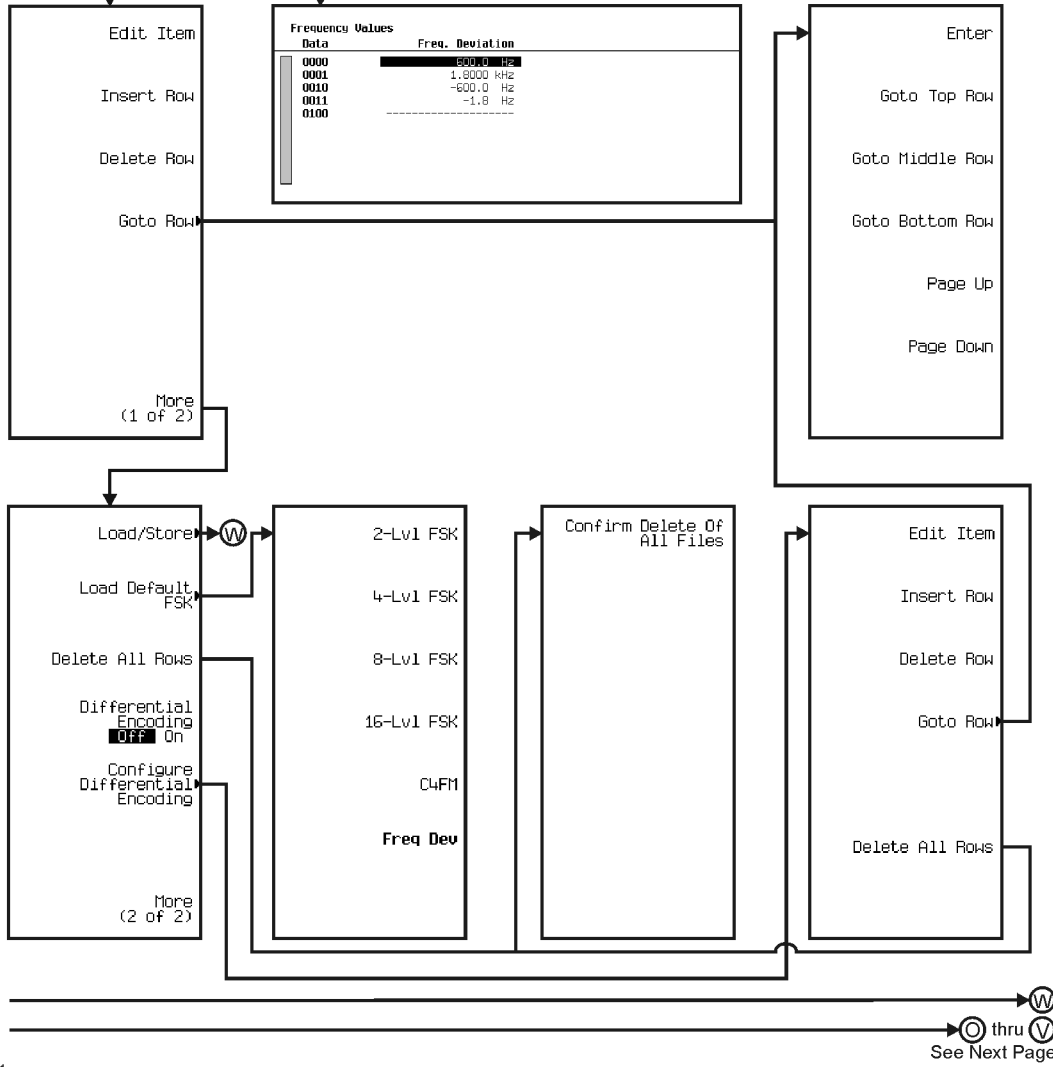
pk7149c



U and V
N thru T
See Next Page

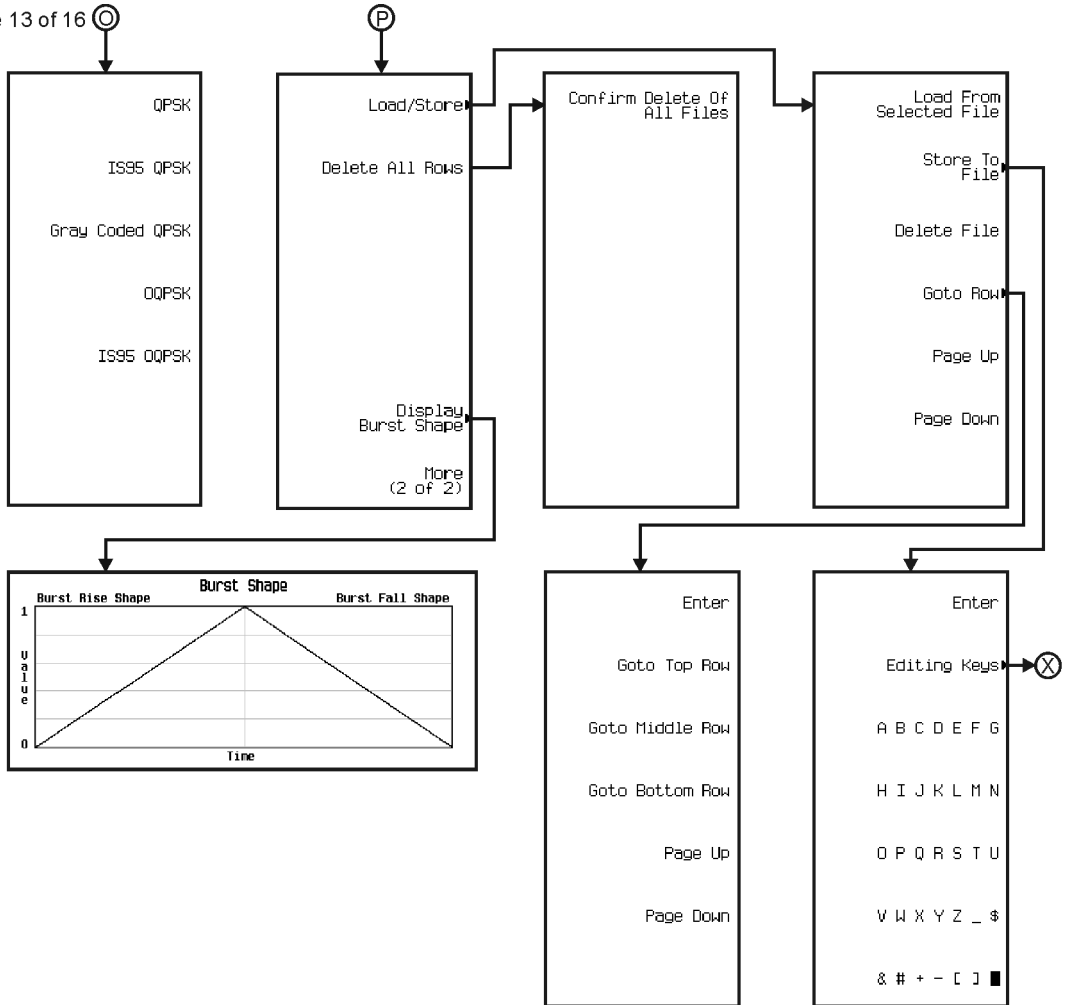
Key and Data Field Menu Maps
Real Time TDMA

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pk7151c

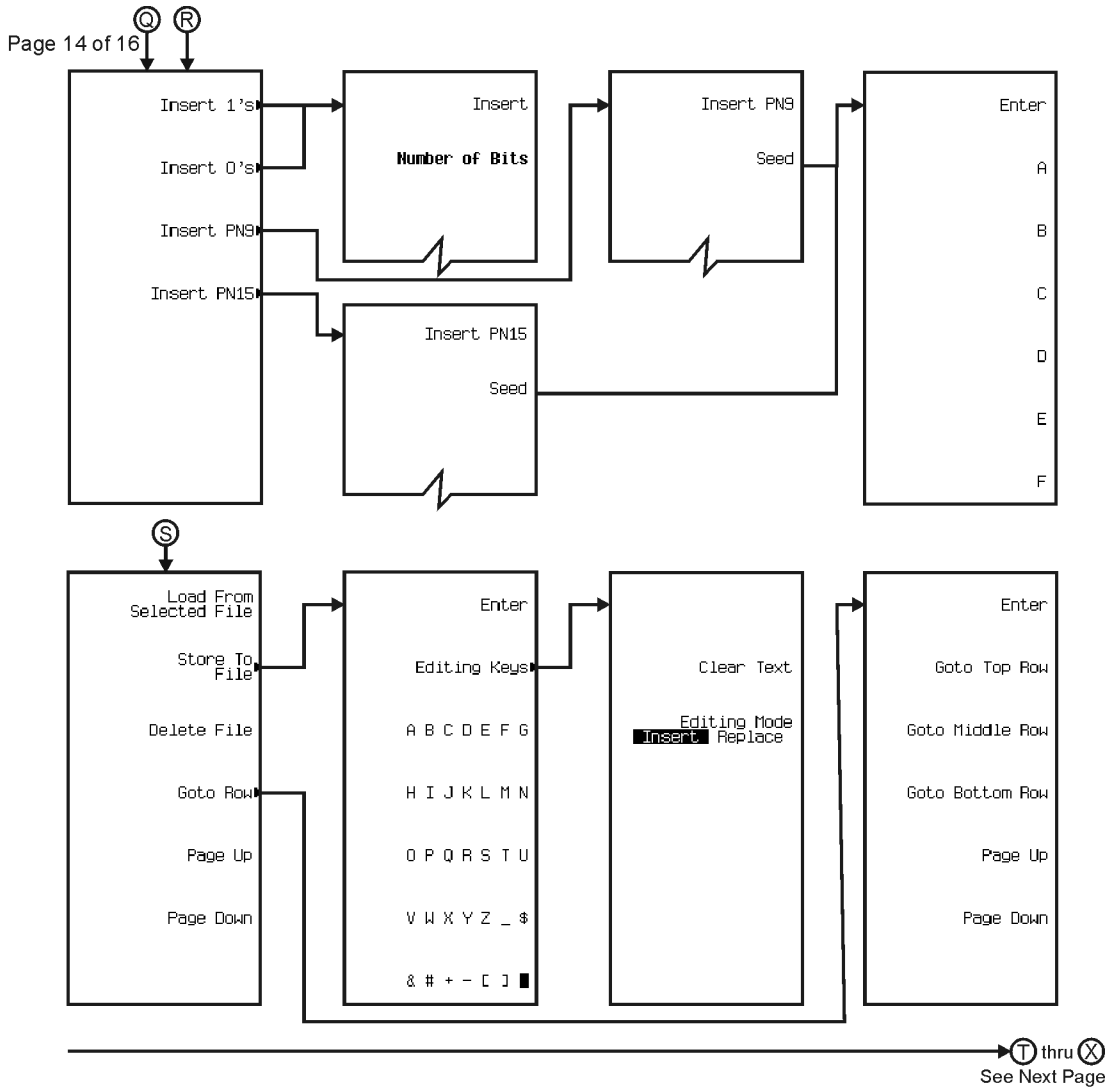
Page 13 of 16 **Q**



Q thru **W**
See Next Page

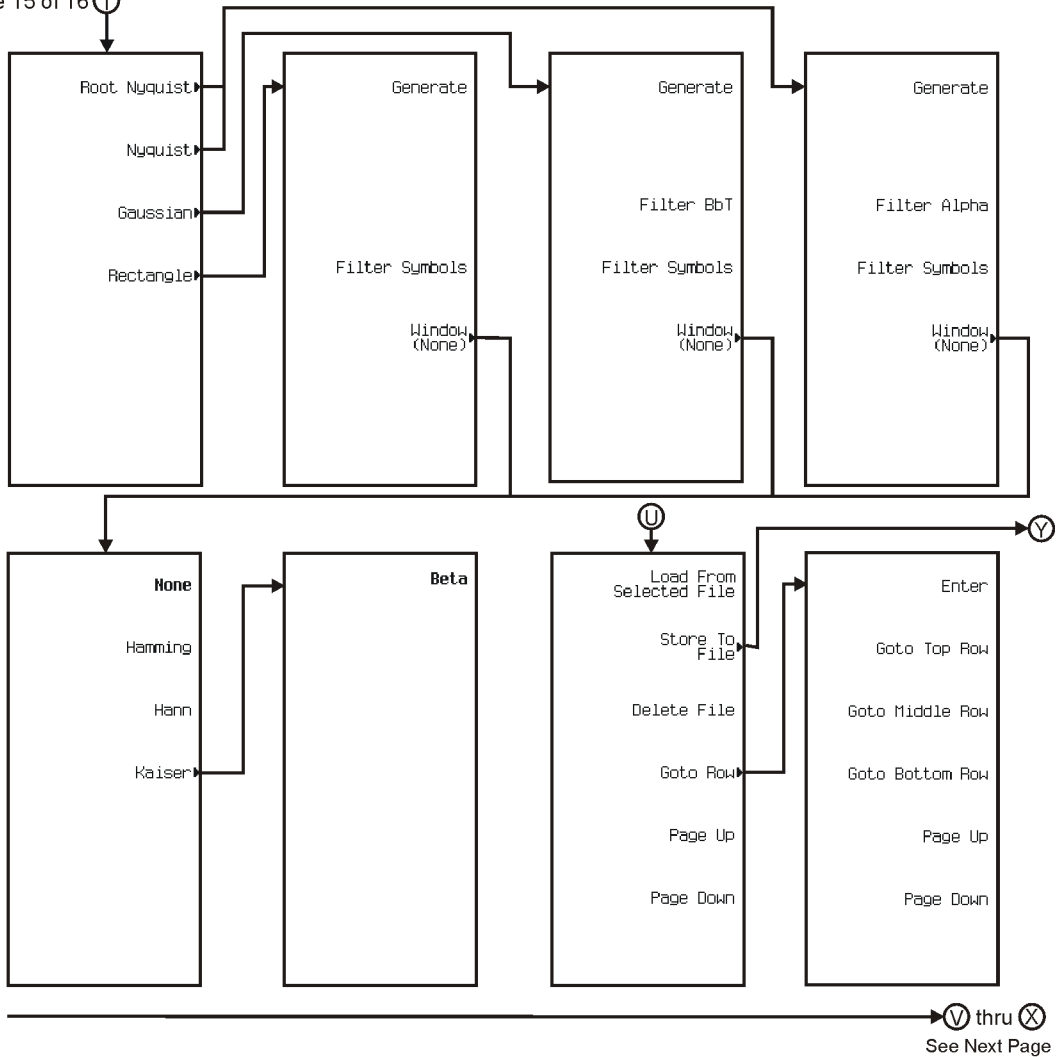
pk7152c

Key and Data Field Menu Maps
Real Time TDMA



pk7153c

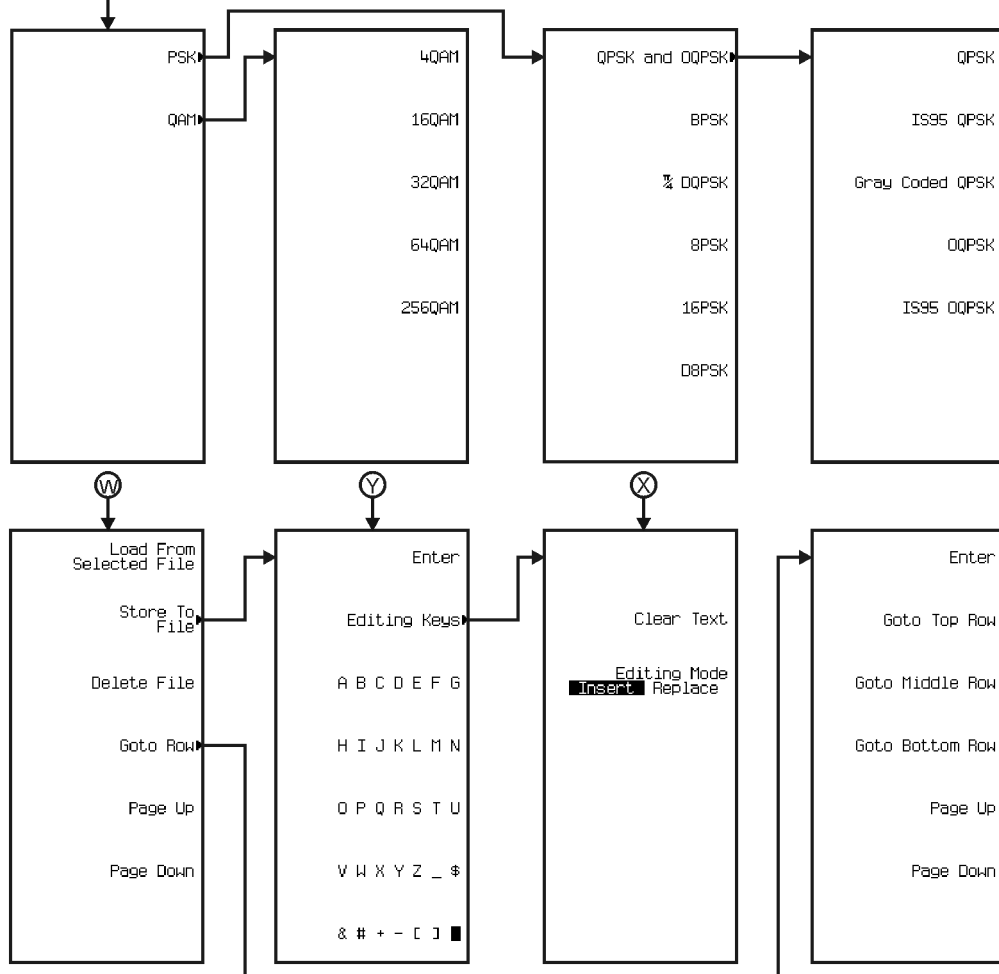
Page 15 of 16 (T)



pk7154c

Key and Data Field Menu Maps
Real Time TDMA

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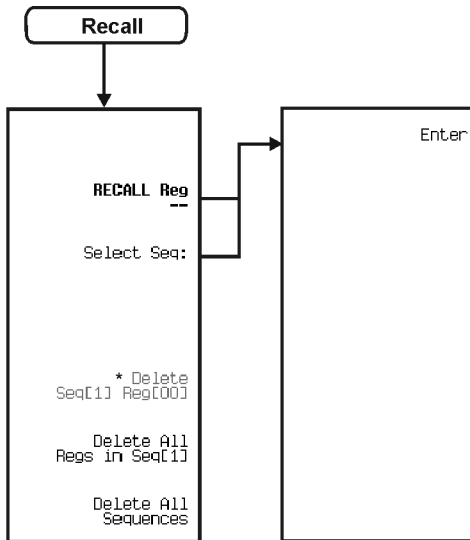
pk7155c

Real Time TD-SCDMA TSM



Recall

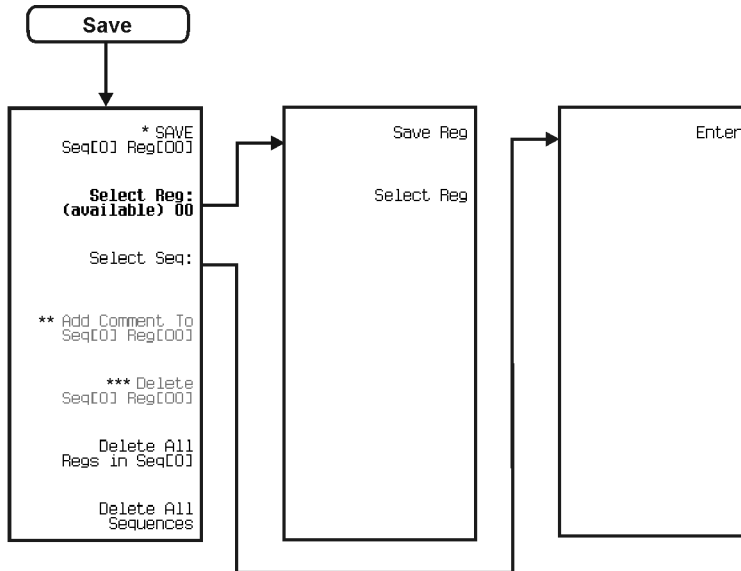
Recall



* Active only when **Save > Select Reg:** > enter value > **Enter** are pressed.

pe932a

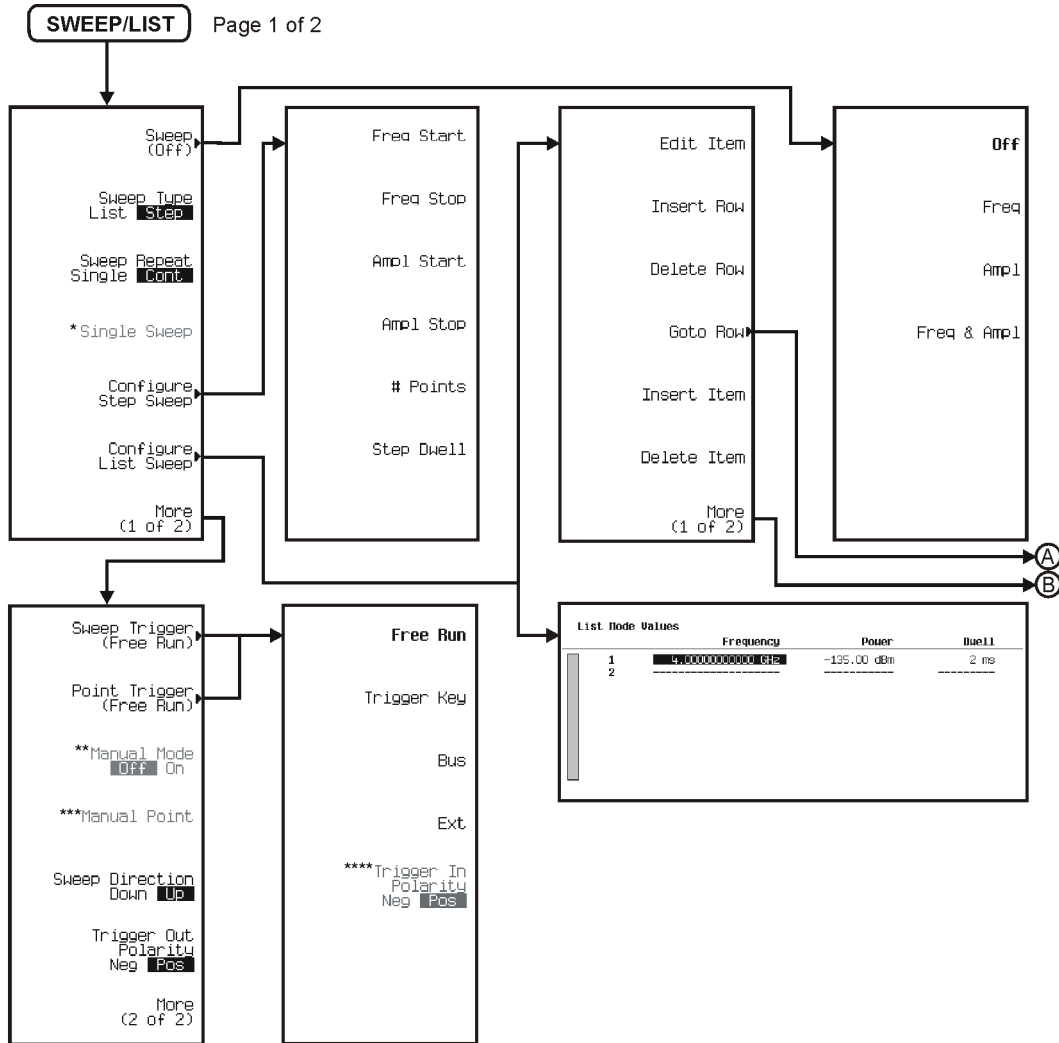
Save



- * Changes to **Re-SAVE Seq[0] Reg[00]** when pressed.
- ** Activate by pressing **Select Reg: > enter value > Enter**. Switches to **Edit Comment In Seq[n] Reg[nn]** after adding a comment to a register.
- *** Activate by pressing **Select Reg: > enter value > Enter**.

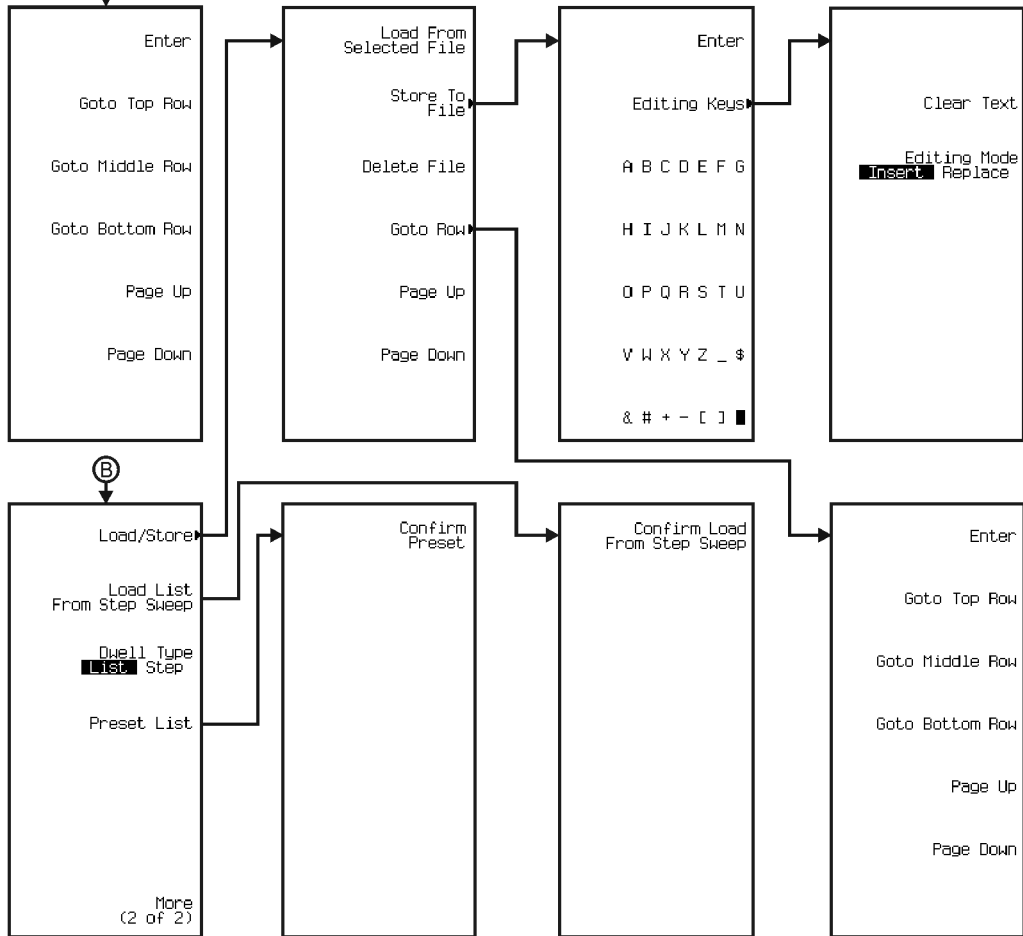
pe931a

Sweep/List



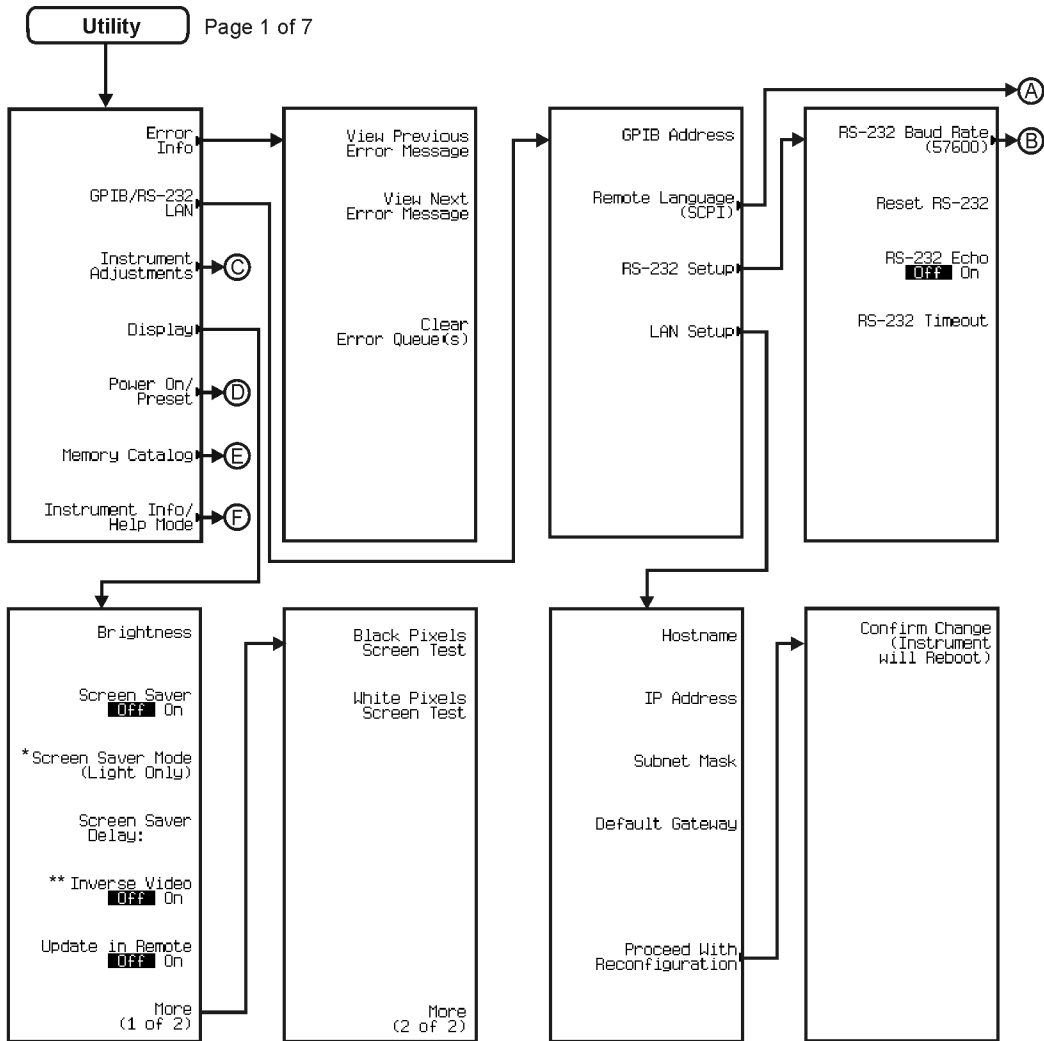
* Activate by pressing Sweep > Freq or Amp1 or Freq & Amp.
 ** Activate by pressing More (2 of 2) > Sweep > Freq or Amp1 or Freq & Amp.
 *** Active when Manual Mode is On.
 **** Active by pressing Ext.

Page 2 of 2 (A)



pk774c

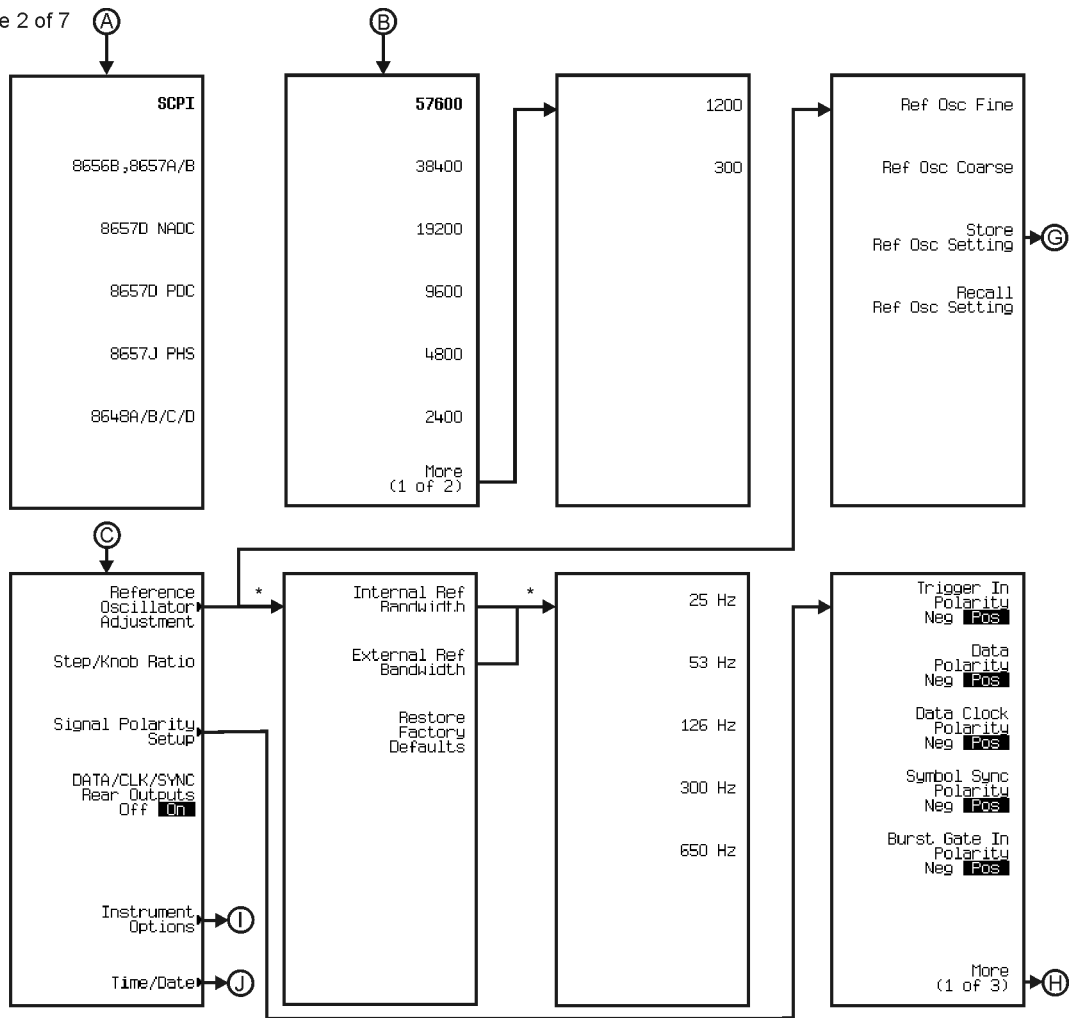
Utility



* Switchs to **Screen Saver Mode (Light & Text)** when pressed.
** Inverses color on display.

→ C thru F
See Next Page

Page 2 of 7



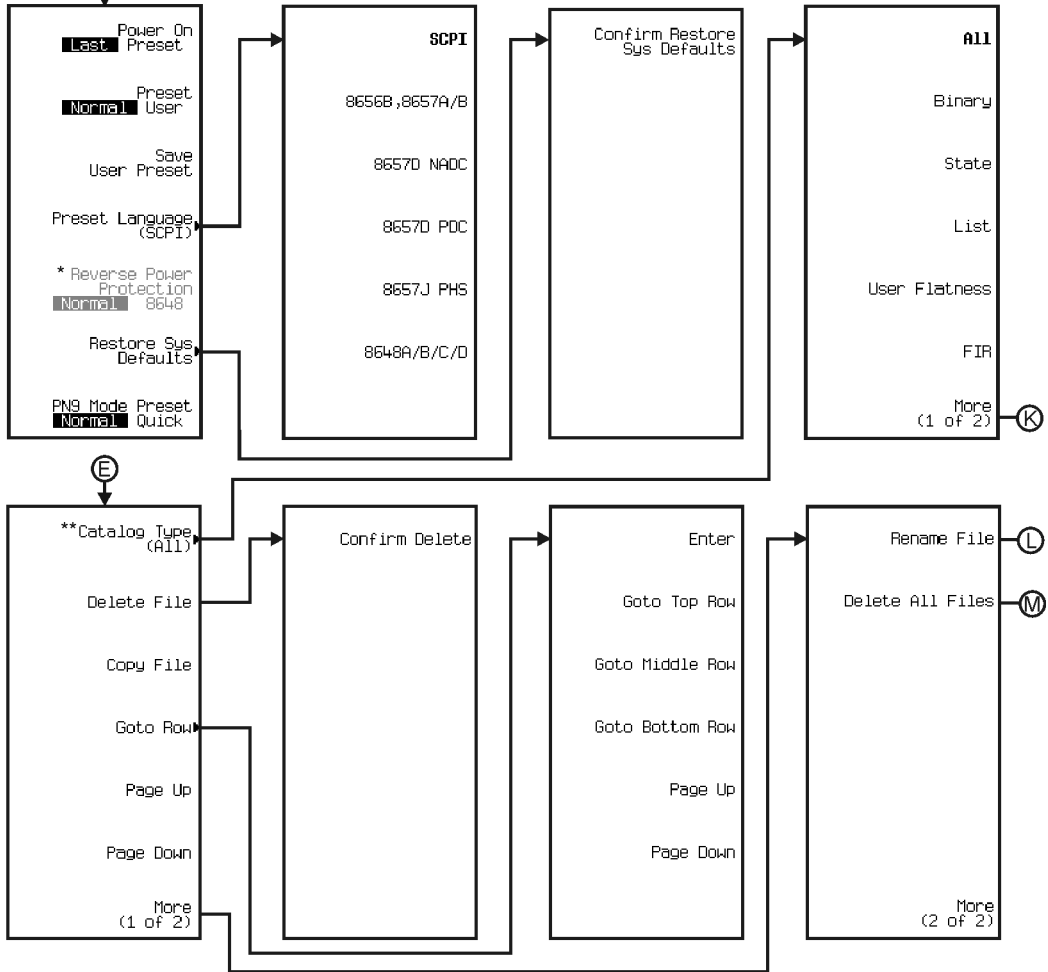
→ I and J
→ D thru F
See Next Page

* Part of Option UNJ

pk745c

Key and Data Field Menu Maps
Utility

Page 3 of 7 D

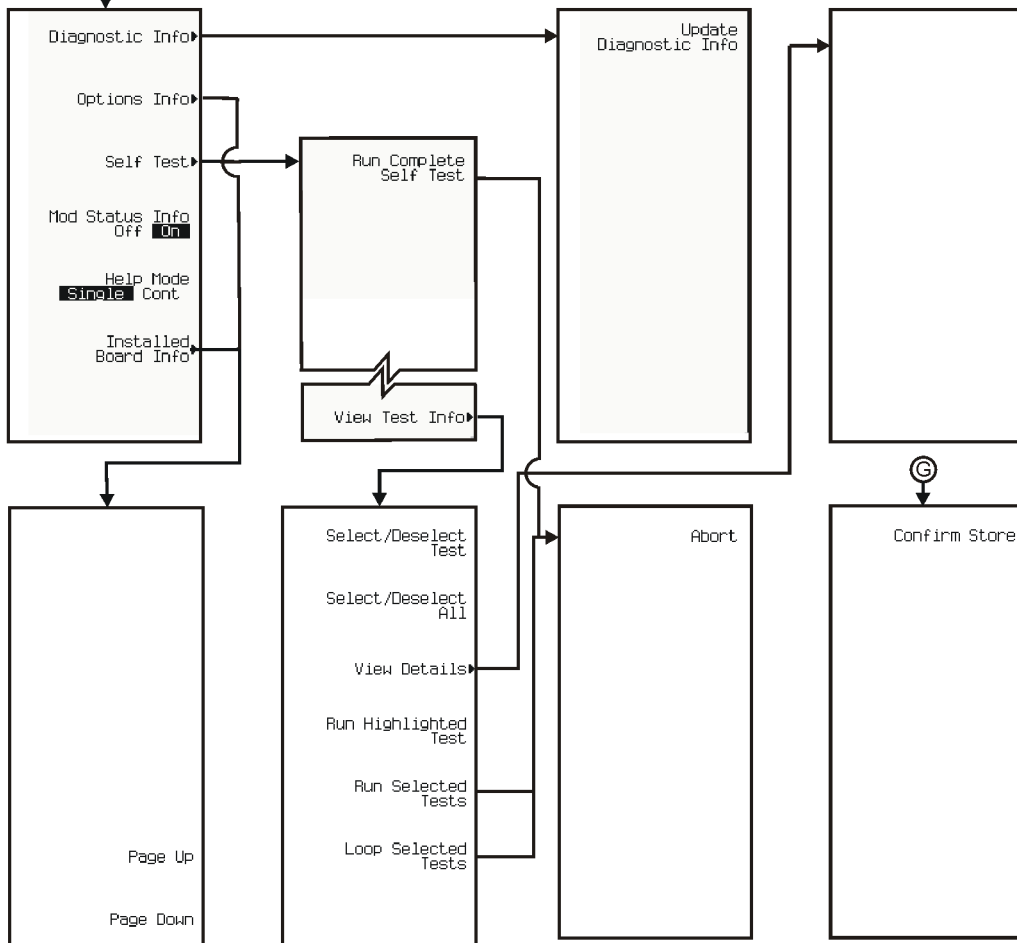


* Active when **Preset Language (8648A/B/C/D)** is selected.
 ** Reflects catalog type selected.

E thru J
 See Next Page

pk746c

Page 4 of 7 (F)

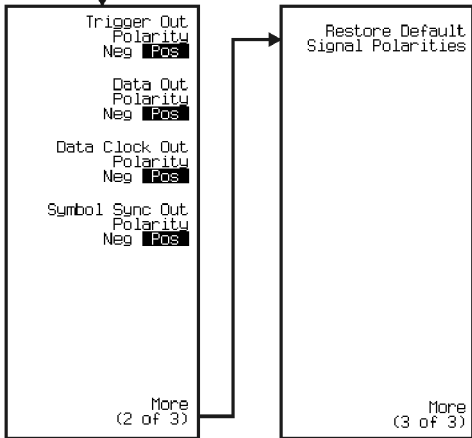


(H) thru (M)
See Next Page

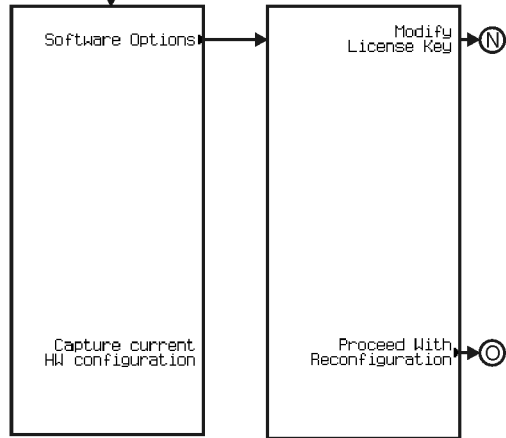
pk747c

Key and Data Field Menu Maps
Utility

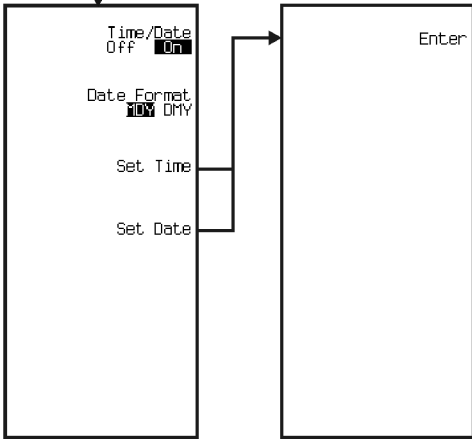
Page 5 of 7 (H)



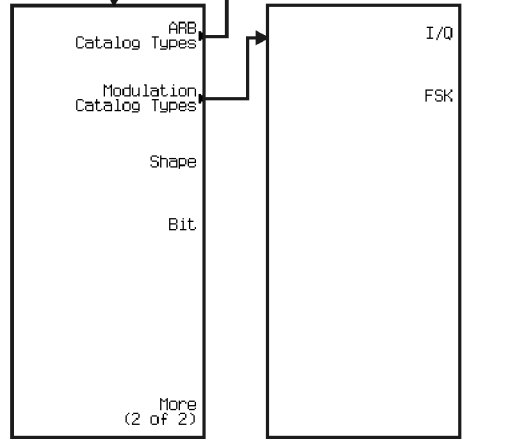
(I)



(J)



(K)



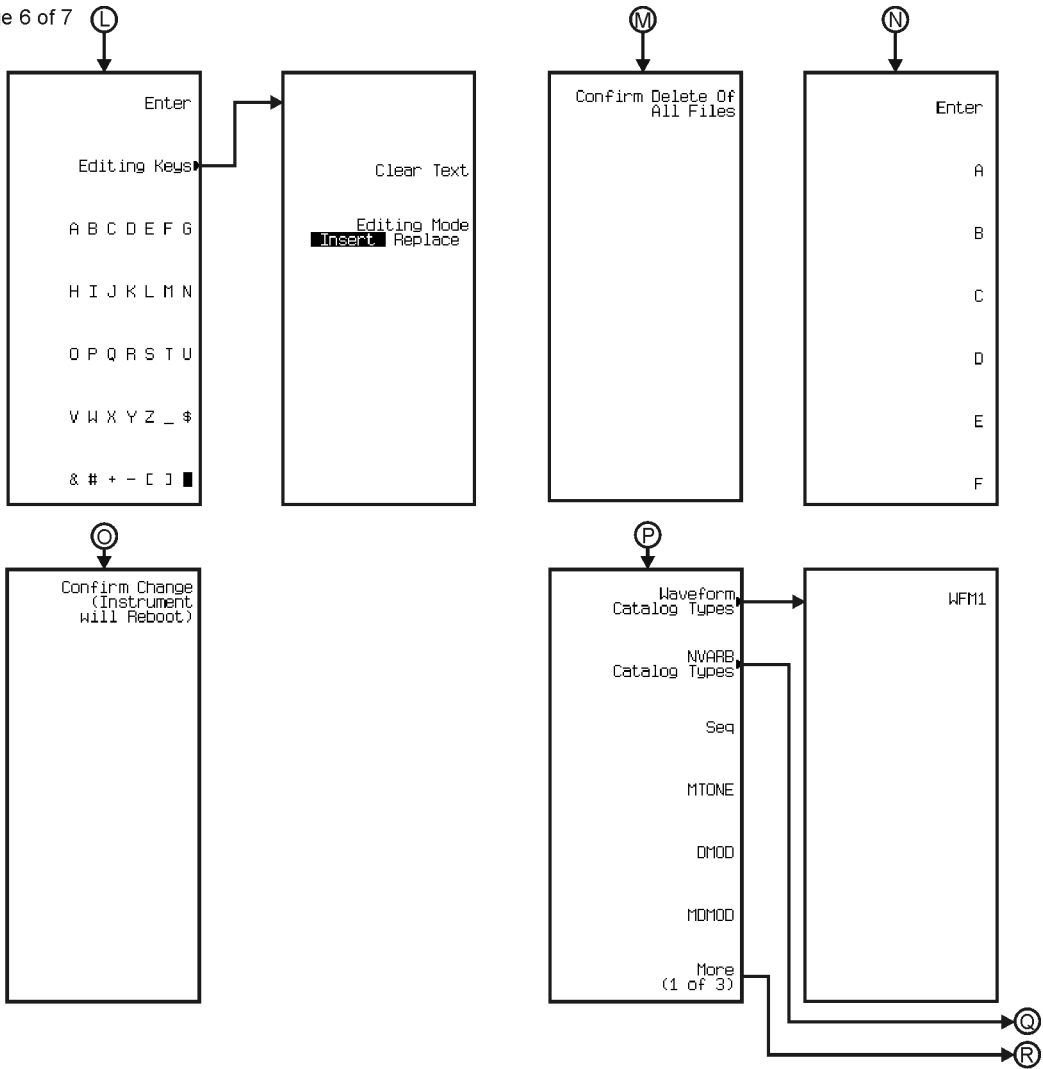
(L)

(M)

See Next Page

pk748c

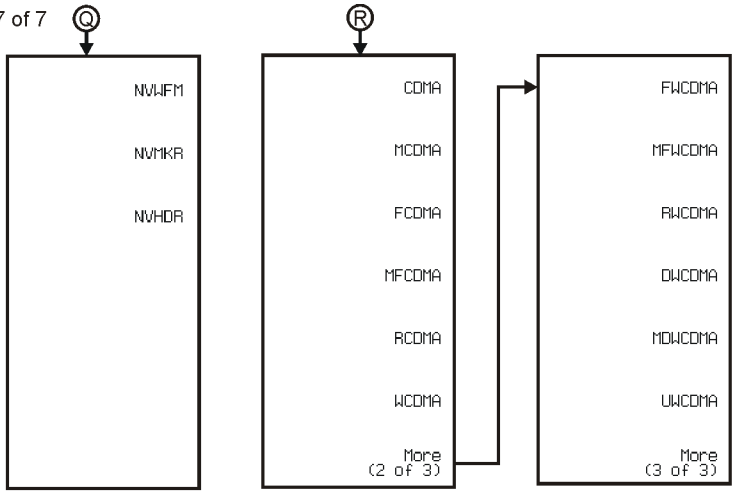
Page 6 of 7



pk749c

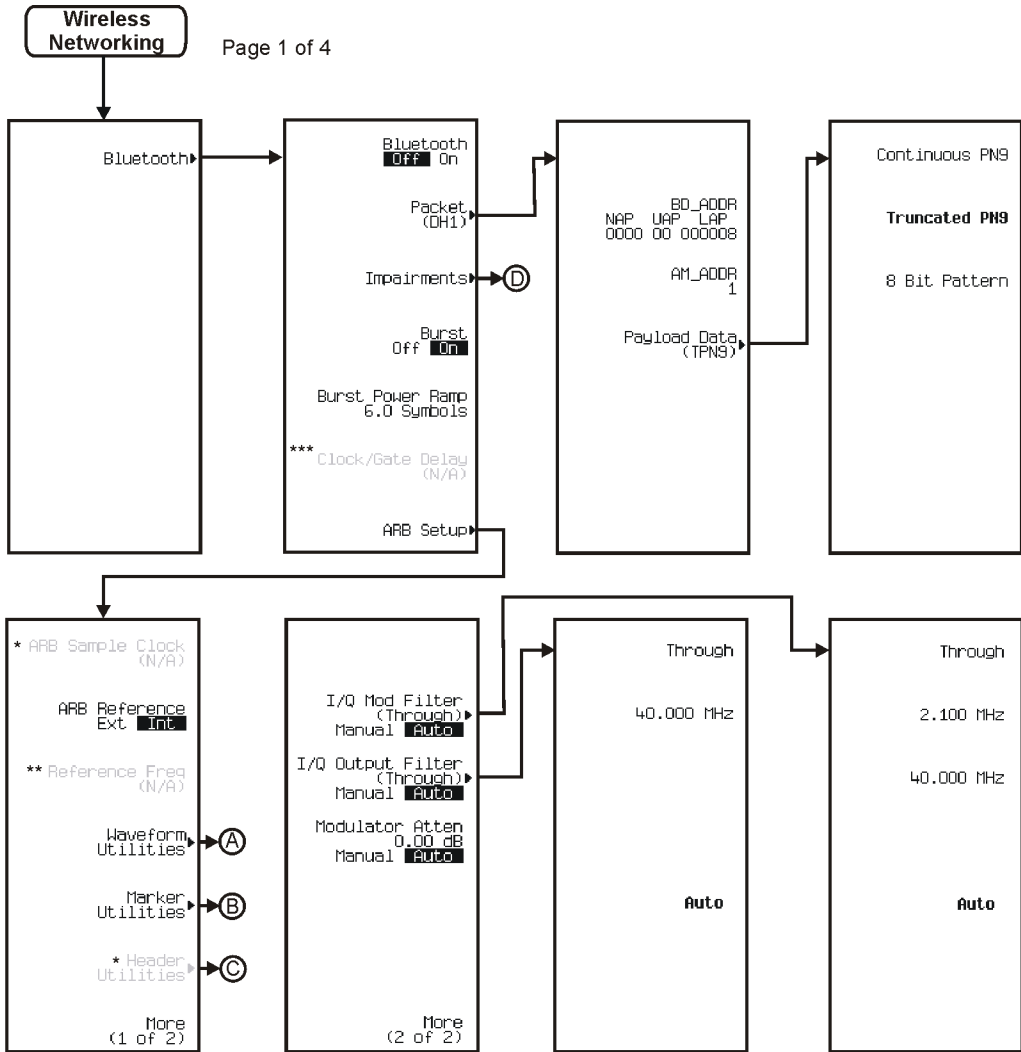
Key and Data Field Menu Maps
Utility

Page 7 of 7



pk750c

Wireless Networking

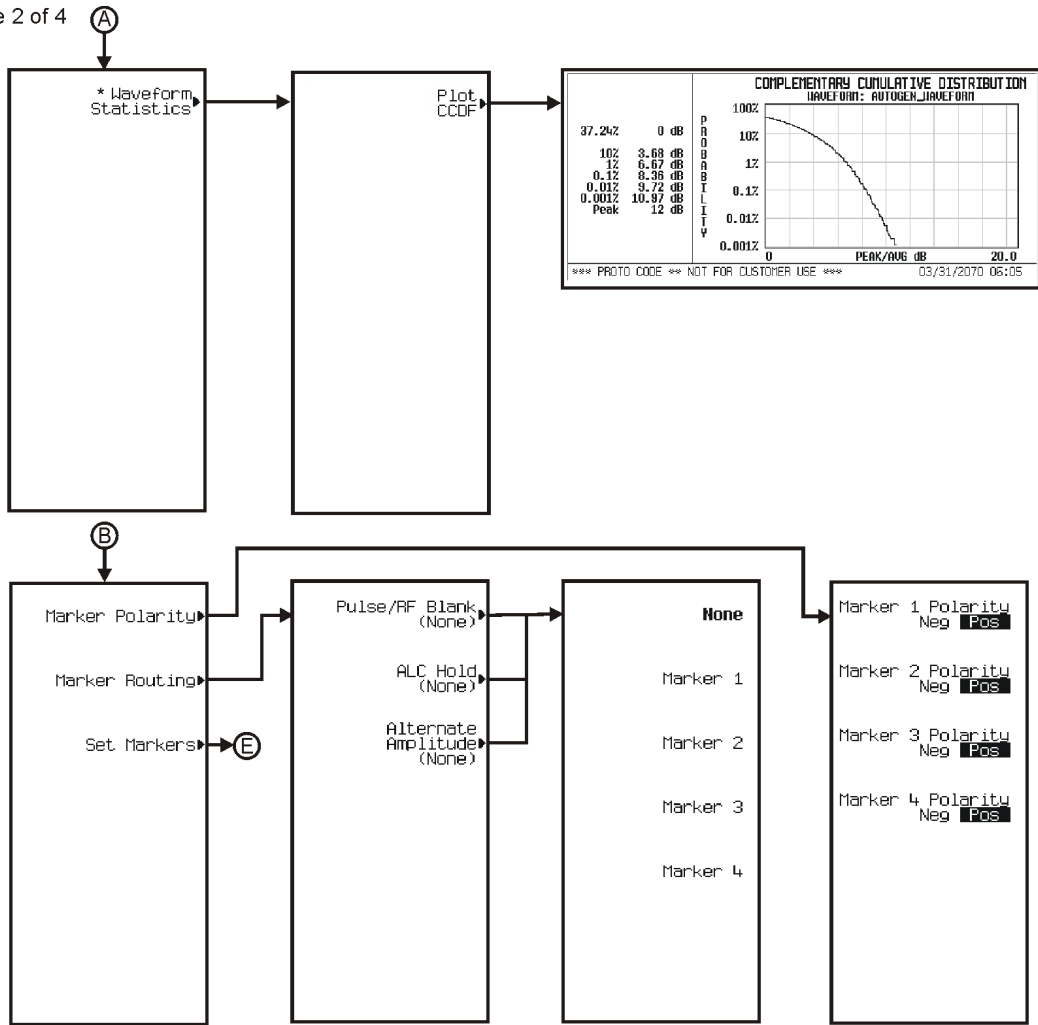


➔ (A) thru (D)
See next page

- * Active when **Arb AWGN Off On** is set to **On**.
- ** Active when **ARB Reference Ext Int** is set to **Ext**.
- *** Activate by pressing **Packet (DH1) > Payload Data > Continuous Pn9**.

Pk743c

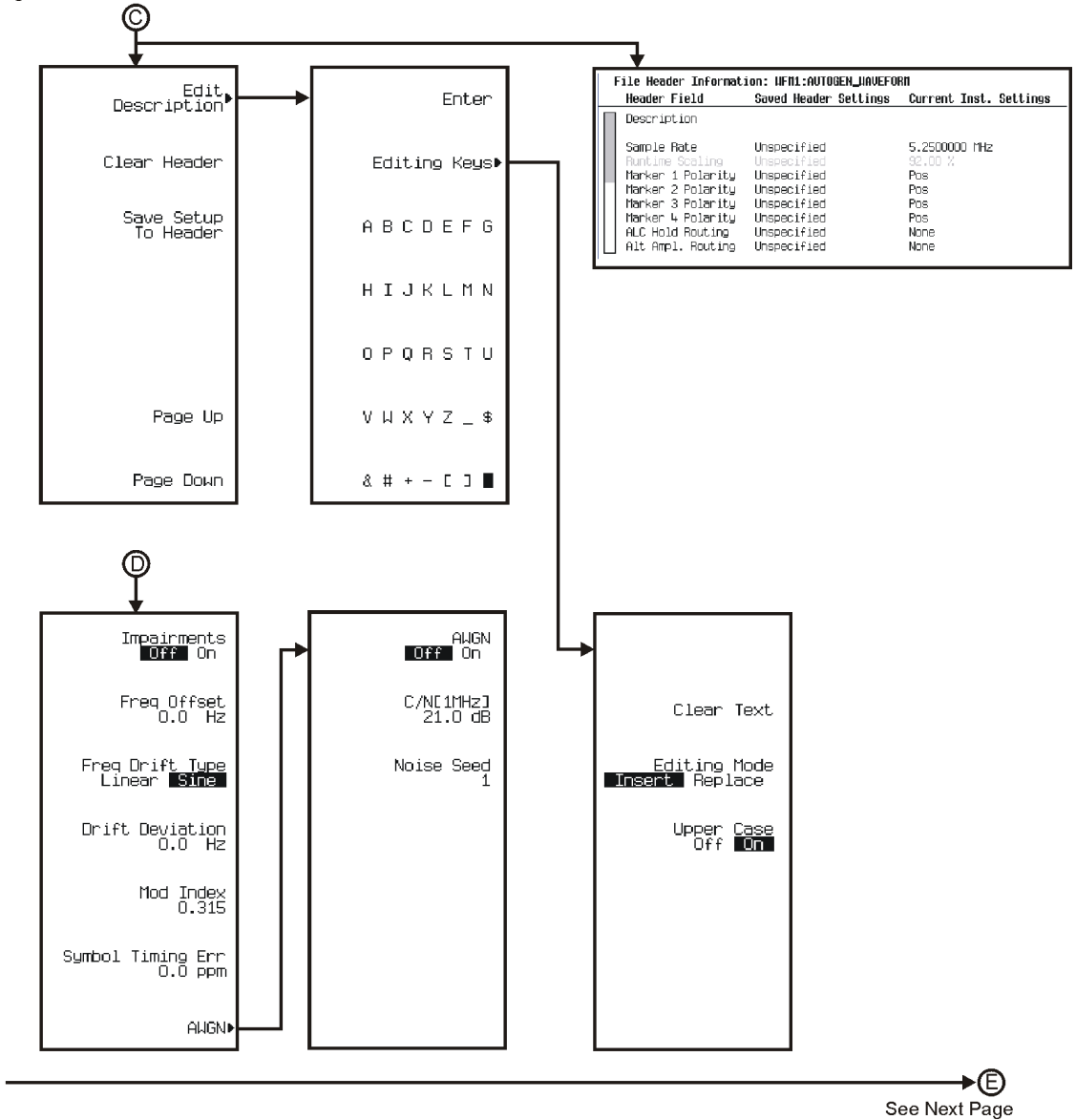
Page 2 of 4



➔ C thru E
 See Next Page

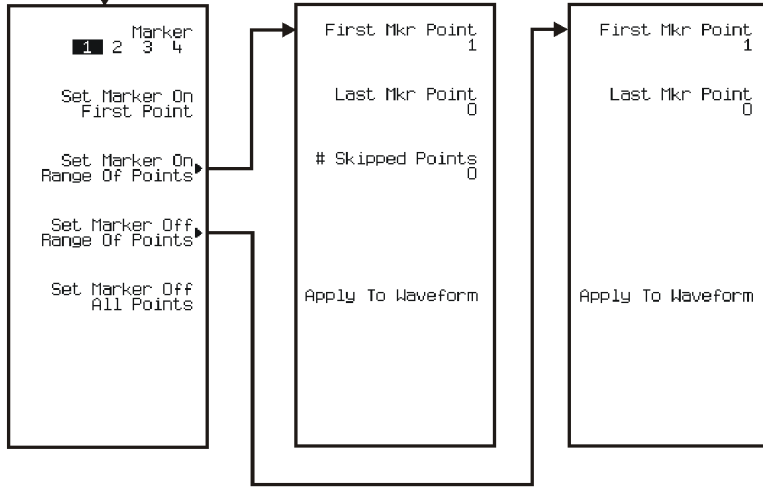
* Active when **Bluetooth Off On** is set to **On**.

Pk806c



Key and Data Field Menu Maps
Wireless Networking

Page 4 of 4 (E)



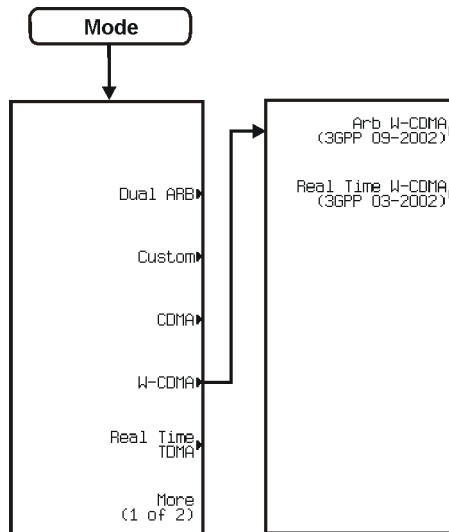
Pk808c

W-CDMA

The W-CDMA personality is accessed by pressing the **Mode** hardkey.

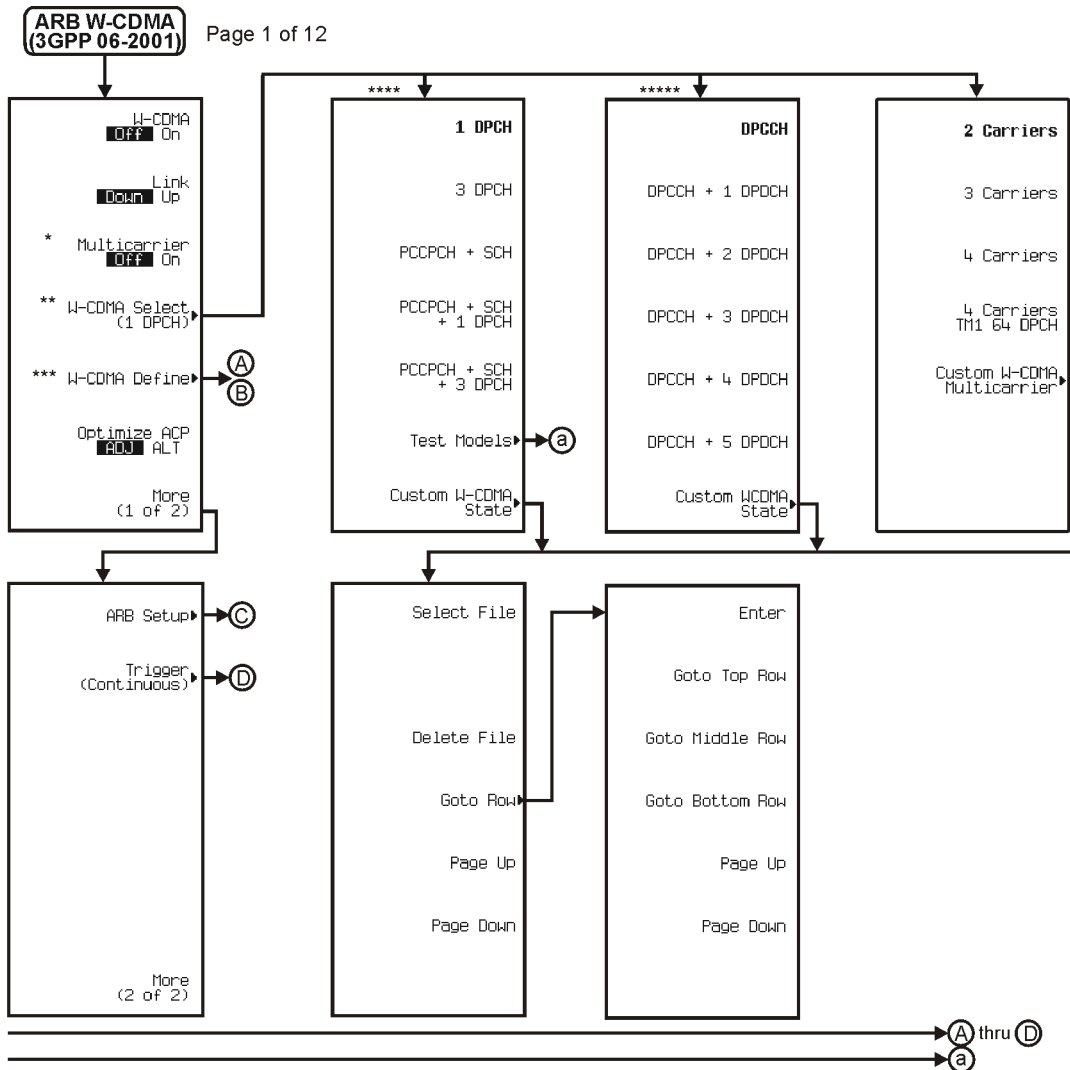
The W-CDMA menu maps are split into three sections:

- for Arb W-CDMA (3GPP 09-2002) go to page 244
- for Real-Time W-CDMA (3GPP 03-2002) Down Link go to page 256
- for Real-Time W-CDMA (3GPP 03-2002) Up Link go to [page 261](#)



pk7191c

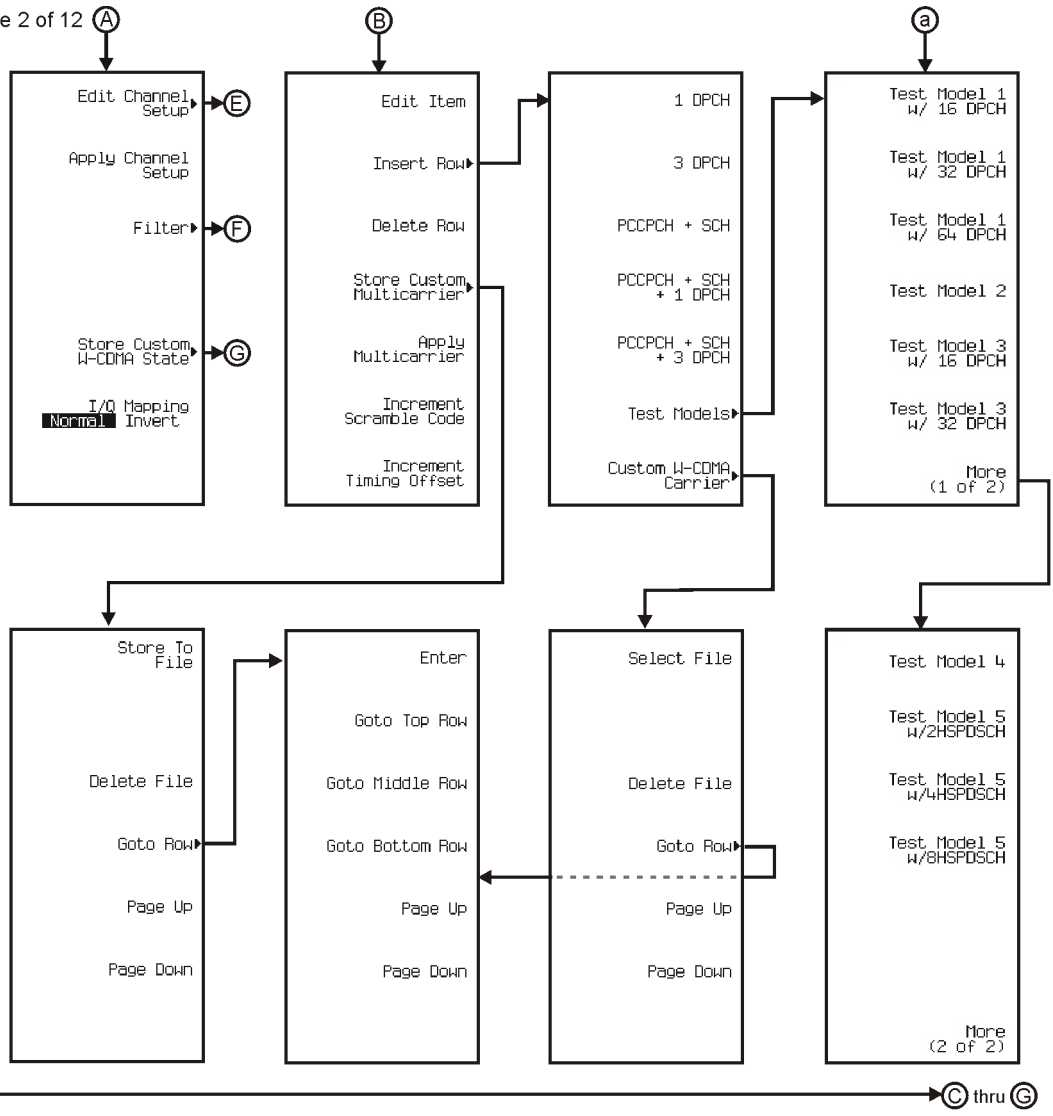
Key and Data Field Menu Maps
W-CDMA



- * Inactive when signal generator is set to **Up Link**.
- ** Changes to **W-CDMA Select (2 Carriers)** when Multicarrier is on.
- *** Changes to **Multicarrier Define** when Multicarrier is on.
- Follow (A) when Multicarrier is off. Follow (B) when Multicarrier is on.
- **** Available when signal generator is set to **Down Link**.
- ***** Available when signal generator is set to **Up Link**.

pk761c

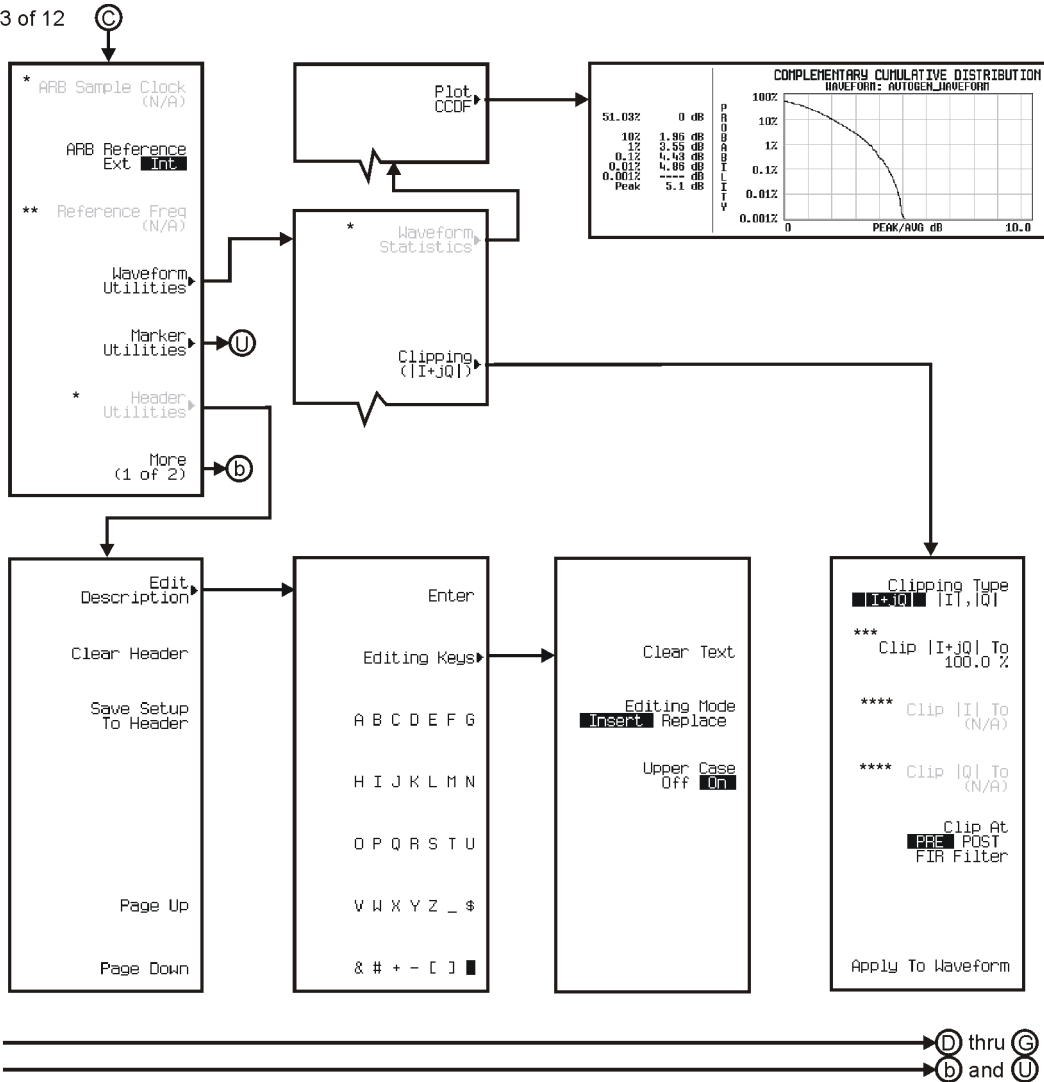
Page 2 of 12 (A)



pk762c

Key and Data Field Menu Maps
W-CDMA

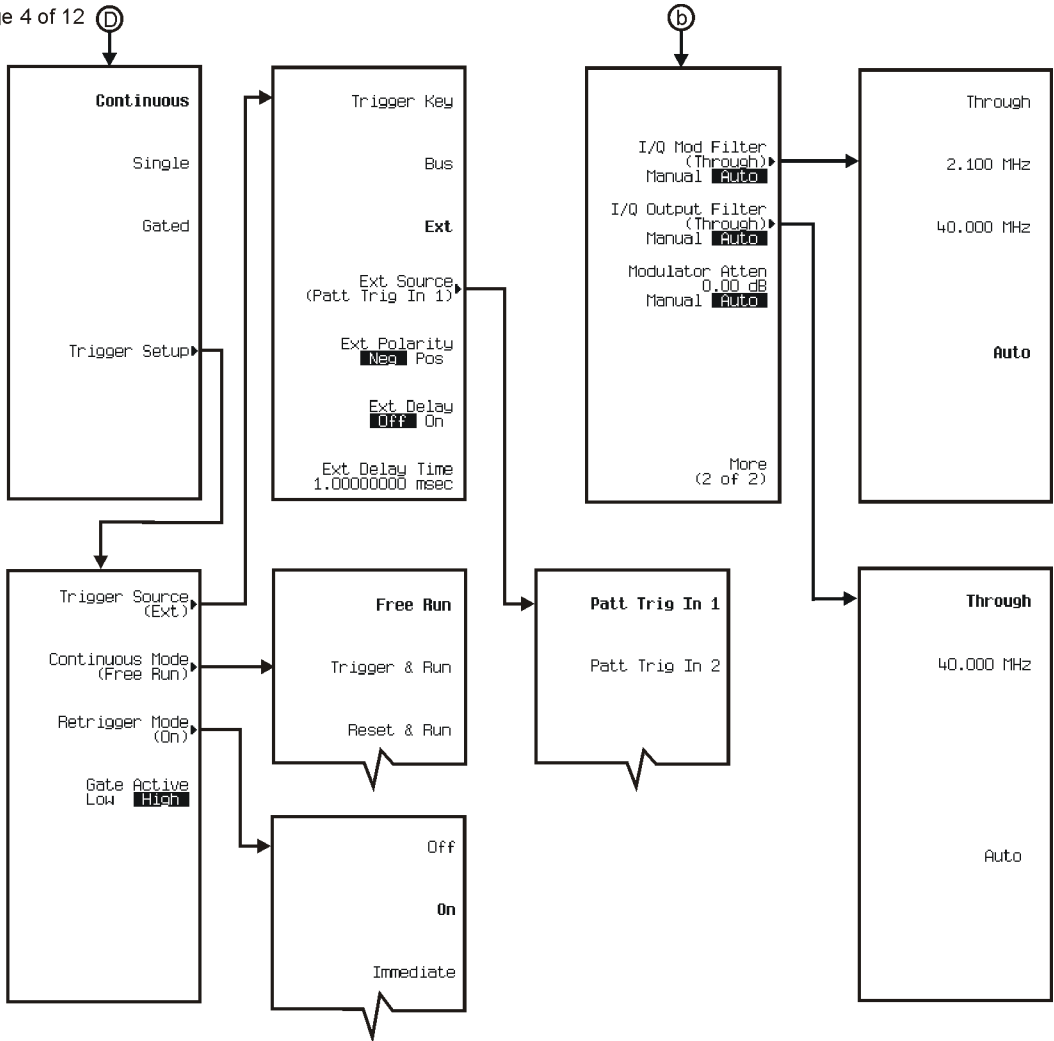
Page 3 of 12



- * Active when W-CDMA Off On is set to On.
- ** Active when ARB Reference Ext Int is set to Ext.
- *** Inactive when Clipping Type I+JQ I, IQ is set to I, IQ.
- **** active when Clipping Type I+JQ I, IQ is set to I, IQ.

pk7190c

Page 4 of 12 **D**



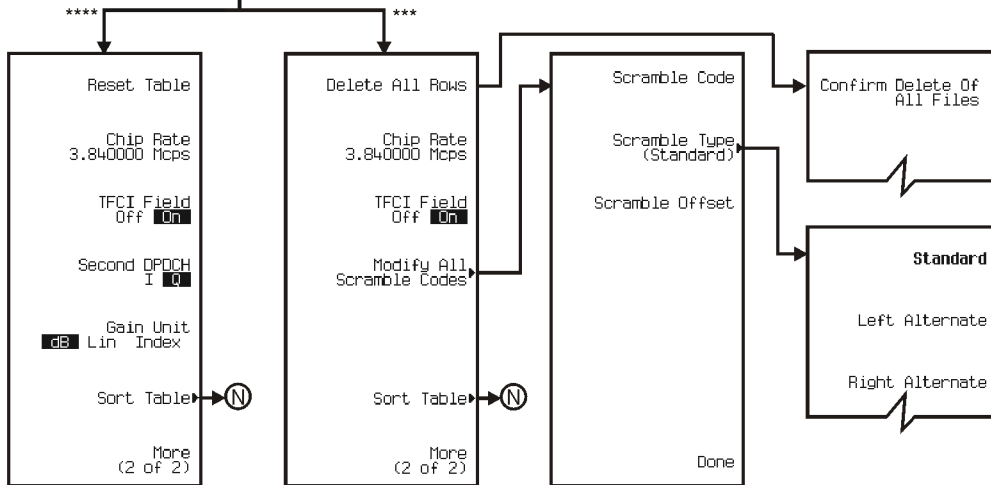
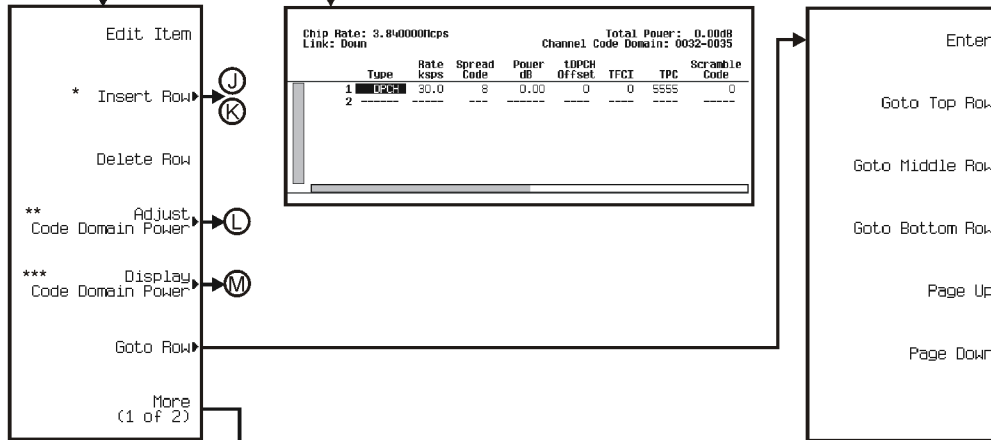
b

E thru **G**

pk763c

Key and Data Field Menu Maps
W-CDMA

Page 5 of 12 **E**

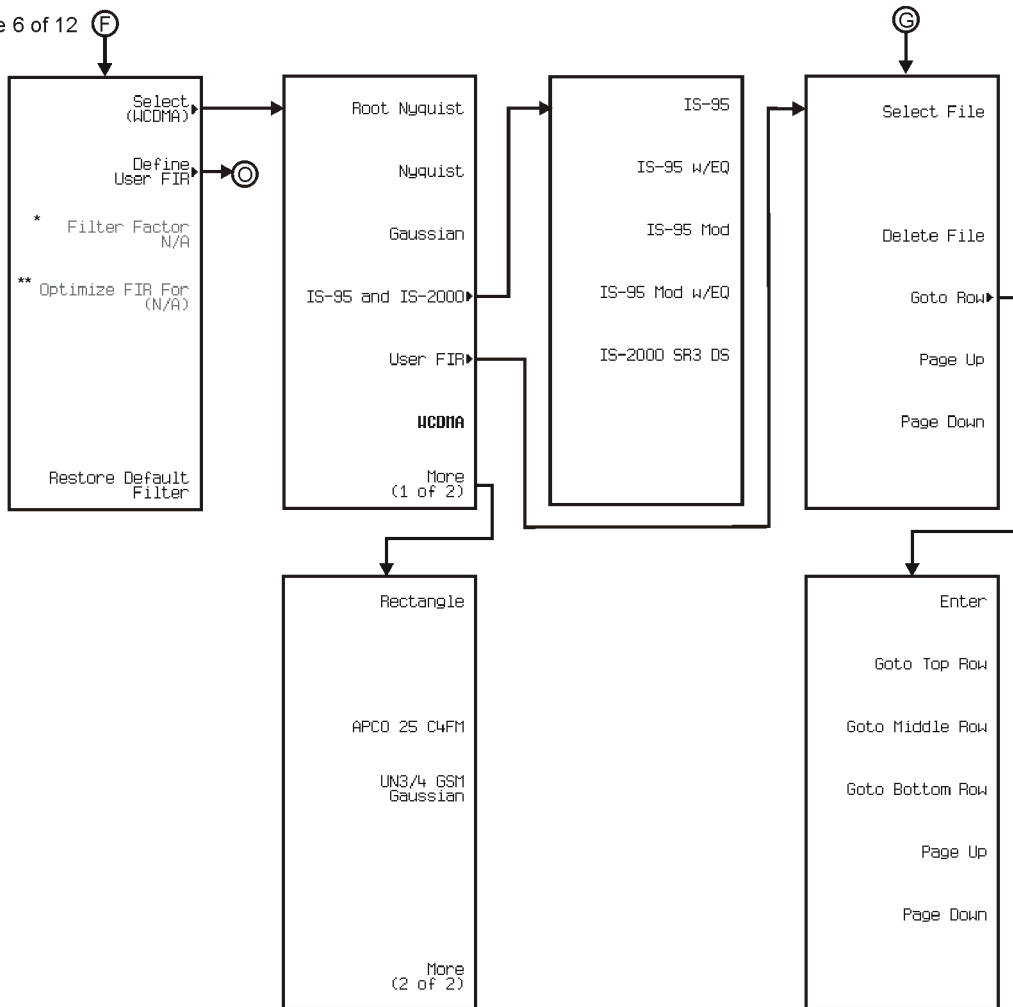


F thru **U**

- * Changes to **Insert DPCH** when the signal generator is set to **Up Link**. Follow **E** when the signal generator is set to **Down Link**. Follow **J** when the signal generator is set to **Up Link**.
- ** Changes to **Scramble Code** when the signal generator is set to **Up Link**.
- *** Available when the signal generator is set to **Down Link**.
- **** Available when the signal generator is set to **Up Link**.

pk764c

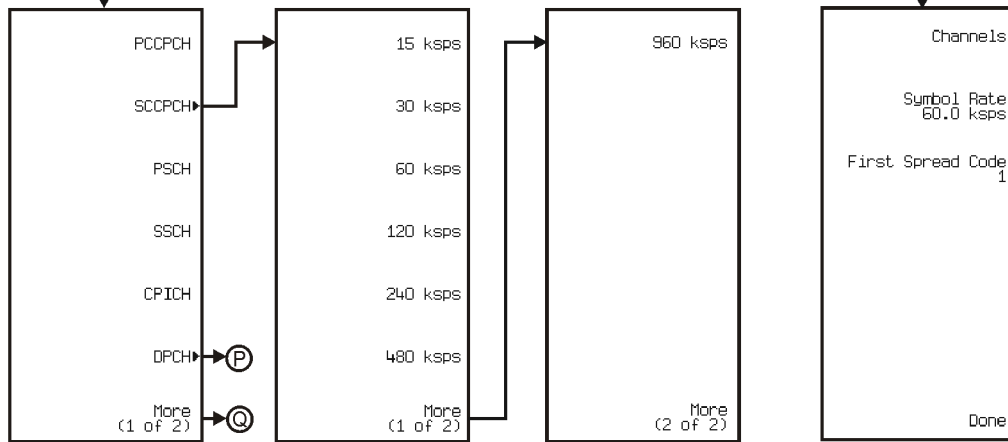
Page 6 of 12 **F**



* Active and changes according to the filtered selected.
 ** Active when **Nyquist** or **Root Nyquist** is selected.

Key and Data Field Menu Maps
W-CDMA

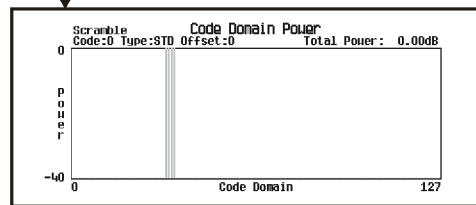
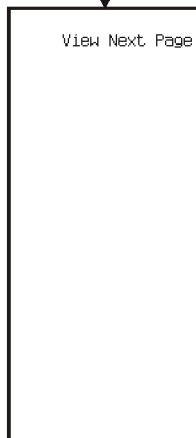
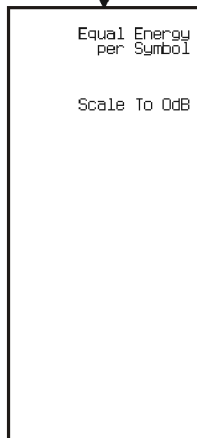
Page 7 of 12 **J**



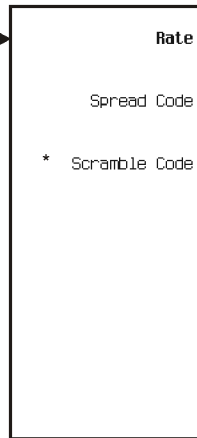
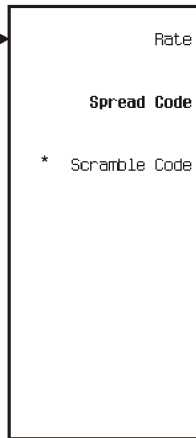
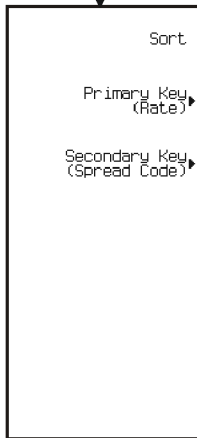
→ **L** thru **U**

pk766c

Page 8 of 12 (L)



(N)

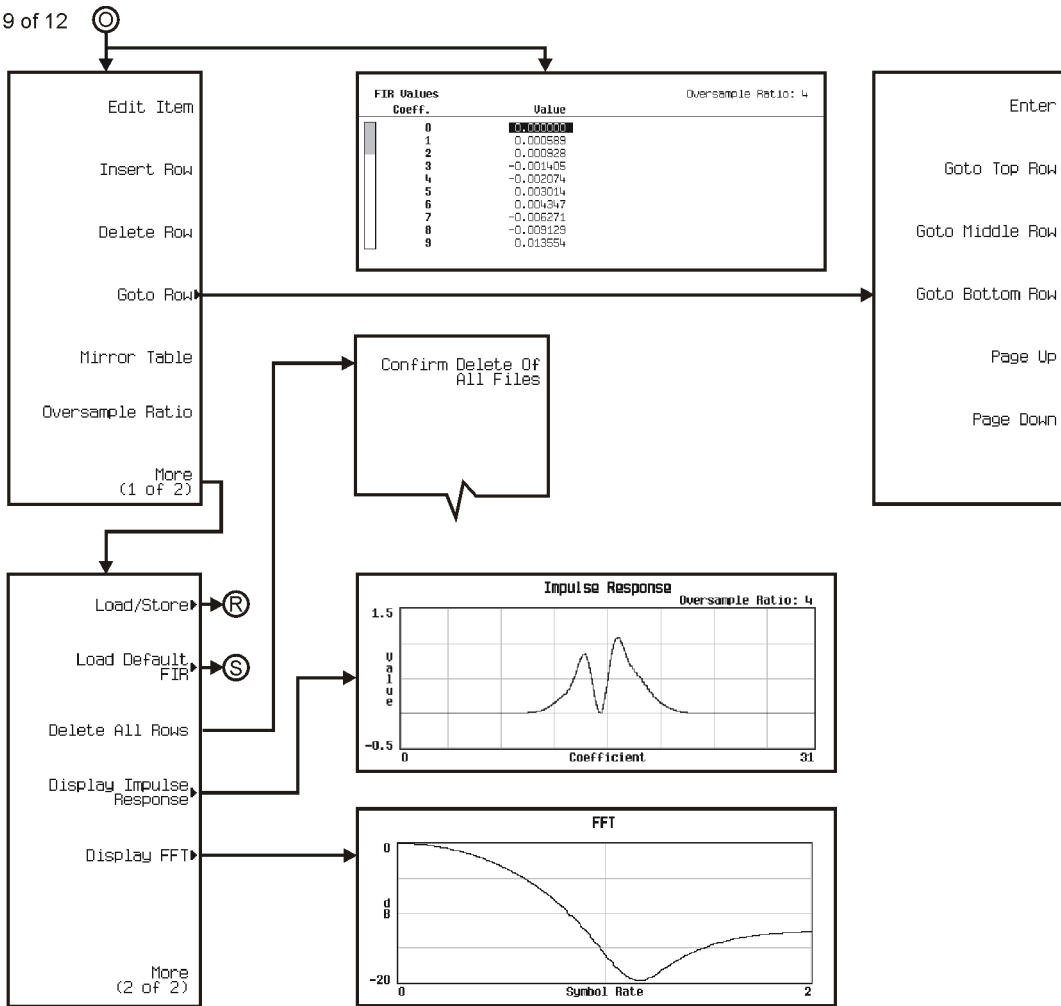


* Only available when the signal generator is set to **Down Link**.

pk767c

Key and Data Field Menu Maps
W-CDMA

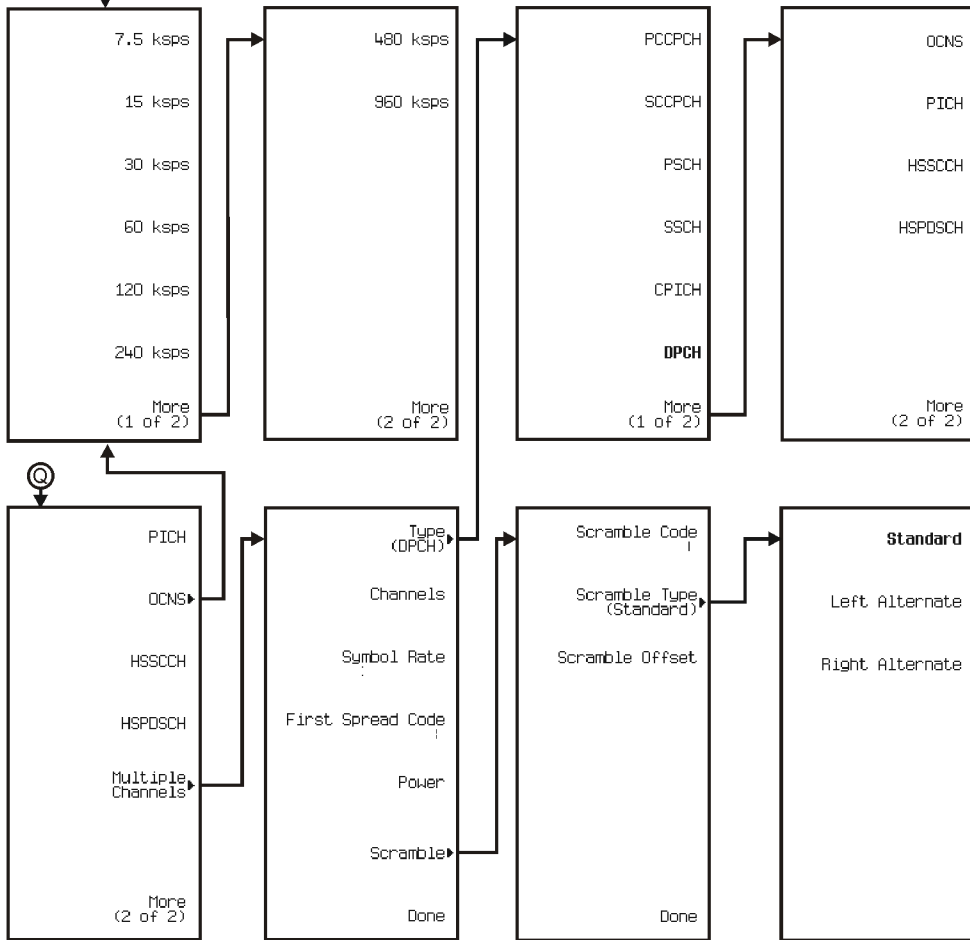
Page 9 of 12



→ P thru U

pk768c

Page 10 of 12 **P**

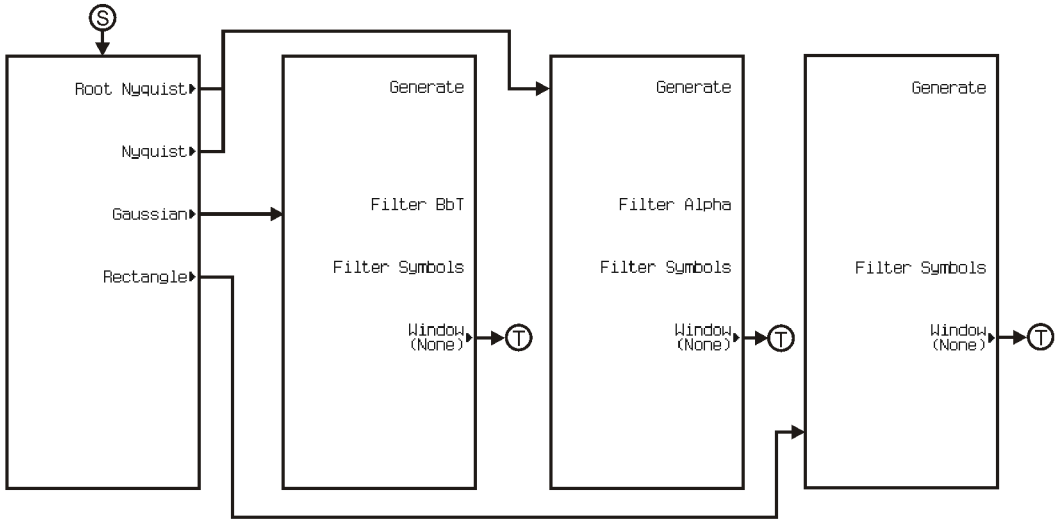
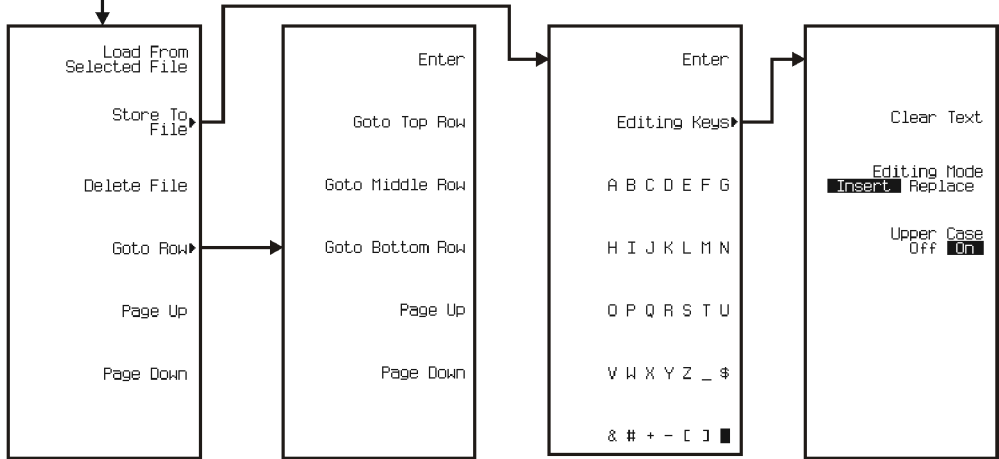


R and **U**

pk769c

Key and Data Field Menu Maps
W-CDMA

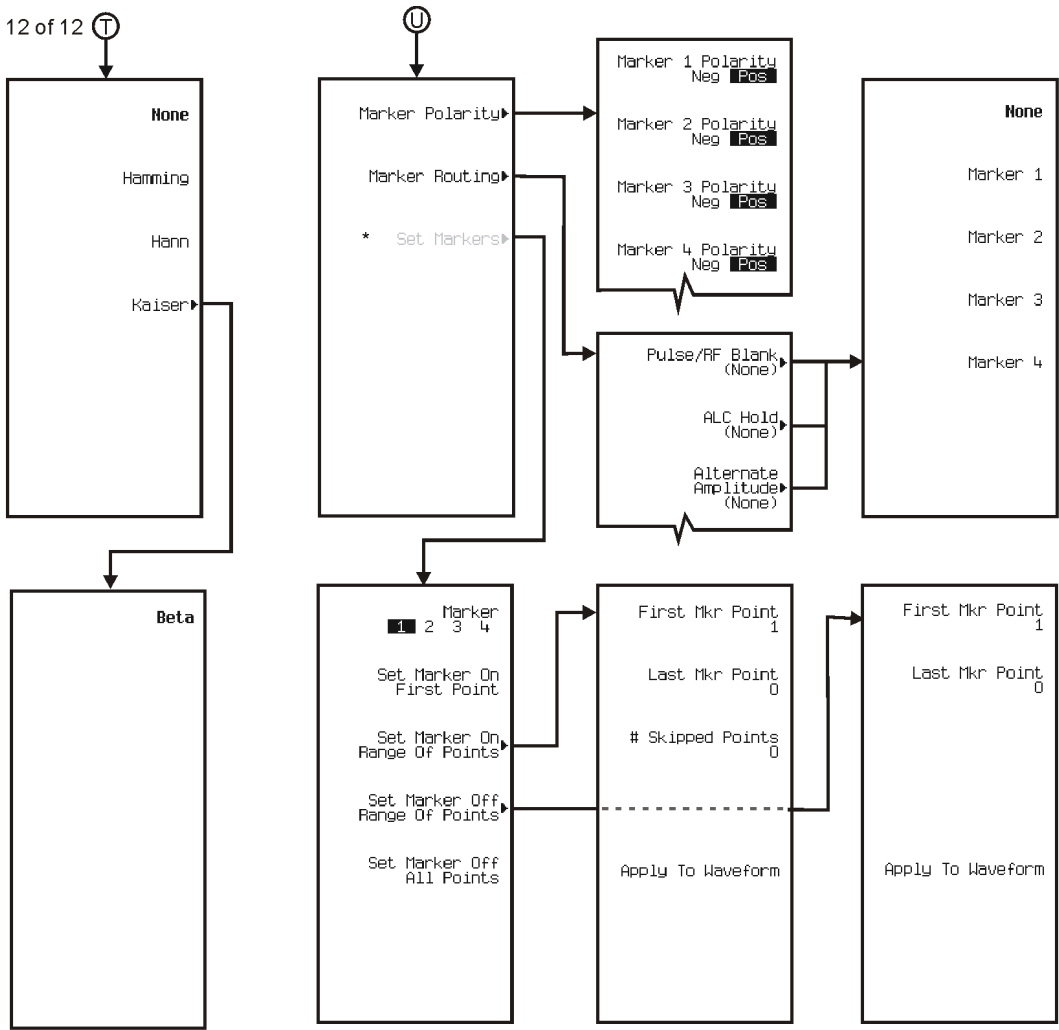
Page 11 of 12 (R)



→ (T) and (U)

pk770c

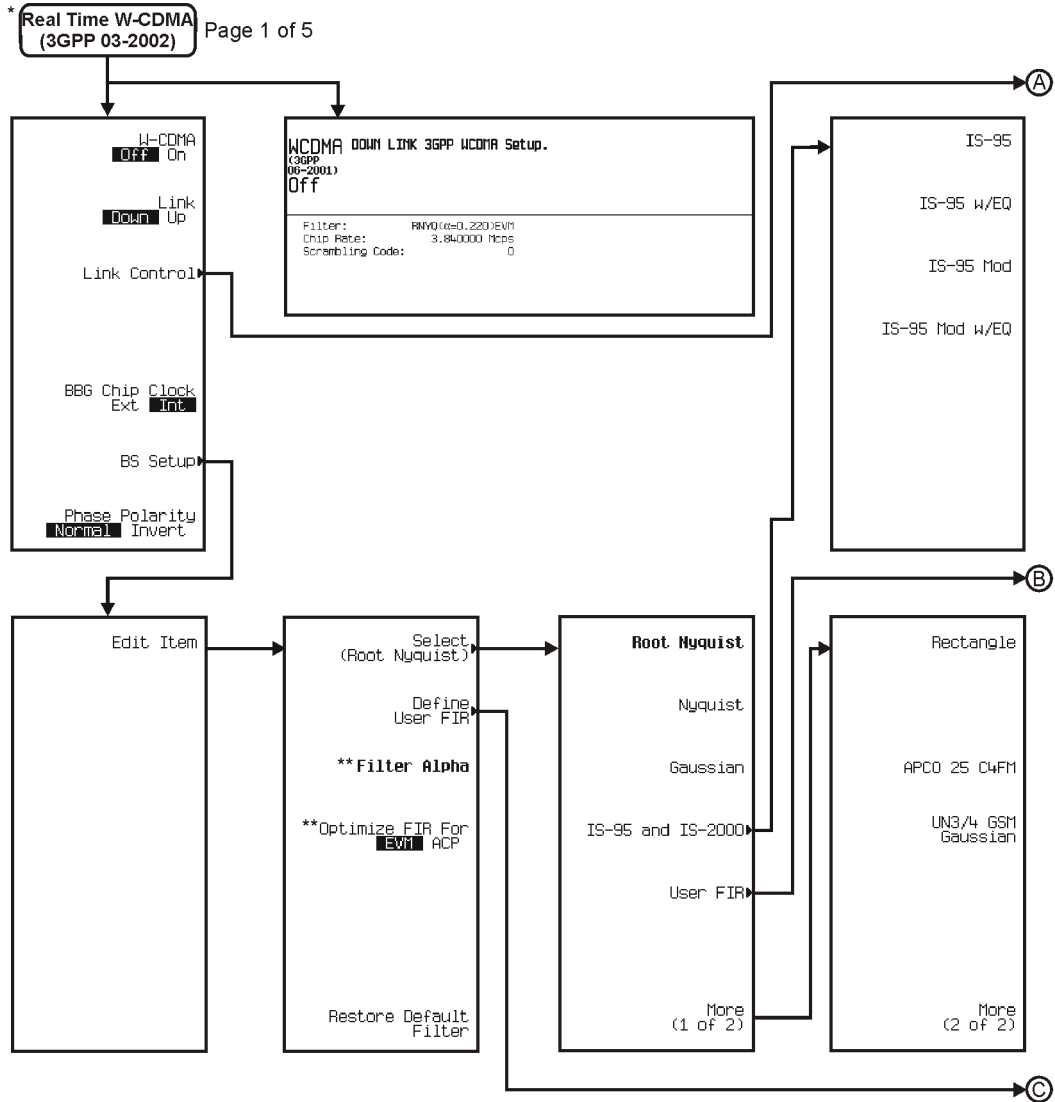
Page 12 of 12 



* Active when W-CDMA is on.

pk771c

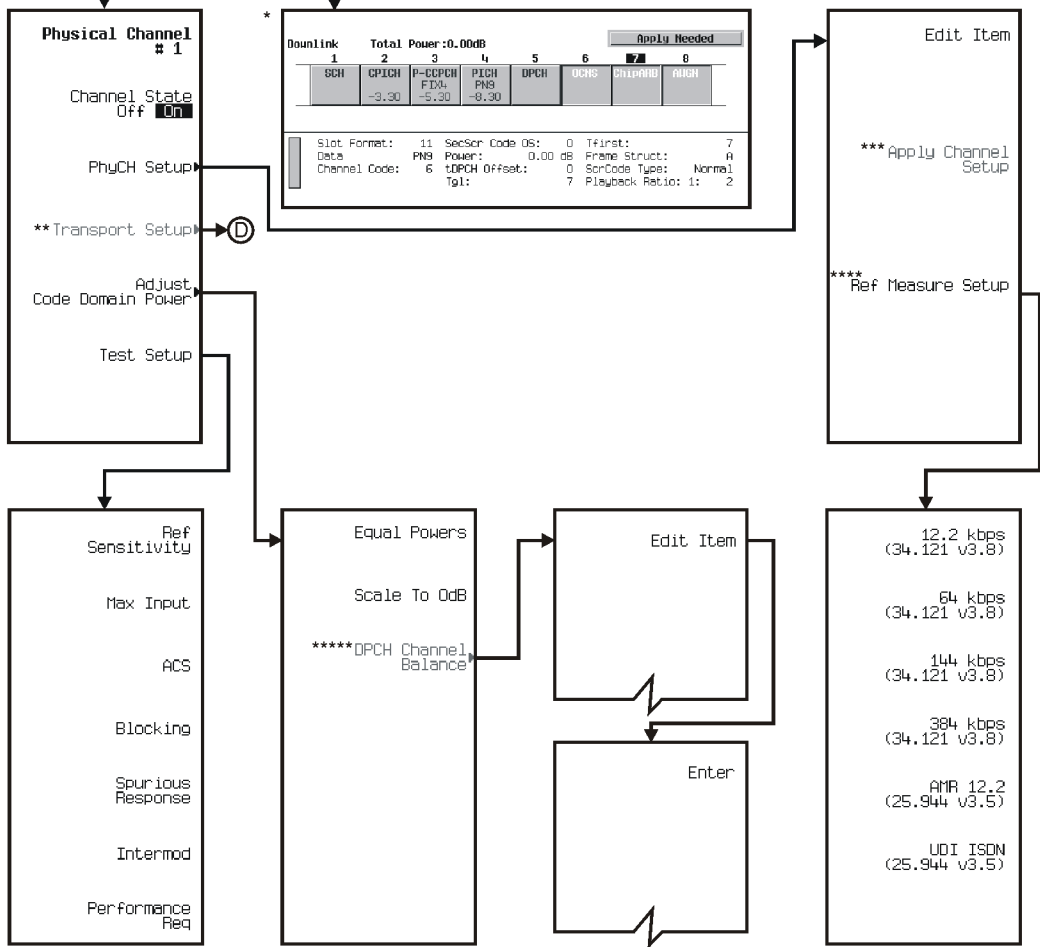
Key and Data Field Menu Maps
W-CDMA



* This menu covers Real Time W-CDMA (3GPP 06-2001) Down Link only.
 ** Changes according to the filter selected.

pk790c

Page 2 of 5 (A)



* Data field changes according to the channel selected.
 ** Active when channel 5 is selected.
 *** Active when a parameter in a channel is changed.
 **** Appears only when channel 5 is selected.

***** Active when channels 5 and 6 are on.

(B) and (C)
 See Next Page

pk791c

Key and Data Field Menu Maps
W-CDMA

Page 3 of 5 **B**

Store To File

Delete File

Goto Row

Page Up

Page Down

Edit Item

Insert Row

Delete Row

Goto Row

Mirror Table

Oversample Ratio

More (1 of 2)

FIR Values		Oversample Ratio: 4
Coeff.	Value	
0	0.000589	
1	0.000528	
2	-0.001405	
3	-0.002074	
4	0.003014	
5	0.004347	
6	-0.006271	
7	-0.009129	
8	0.013554	
9		

Enter

Goto Top Row

Goto Middle Row

Goto Bottom Row

Page Up

Page Down

Load/Store **E**

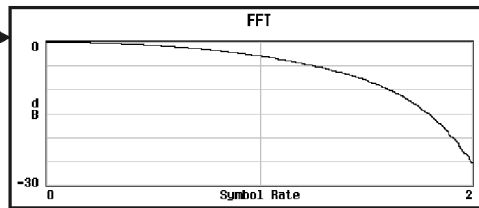
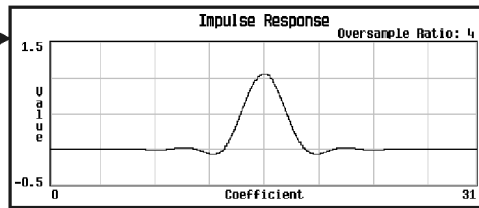
Load Default FIR **F**

Delete All Rows **G**

Display Impulse Response

Display FFT

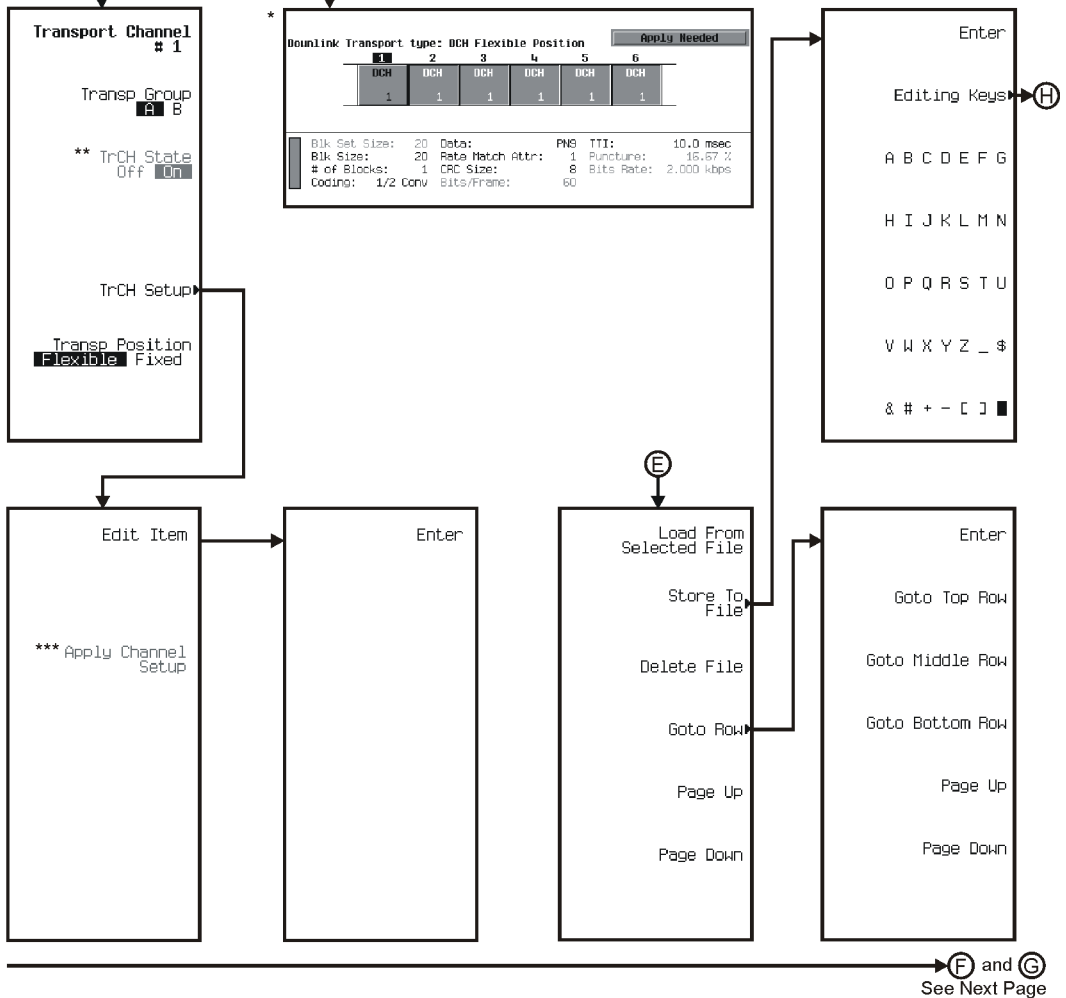
More (2 of 2)



E thru **G**
D
See Next Page

pk798c

Page 4 of 5 D

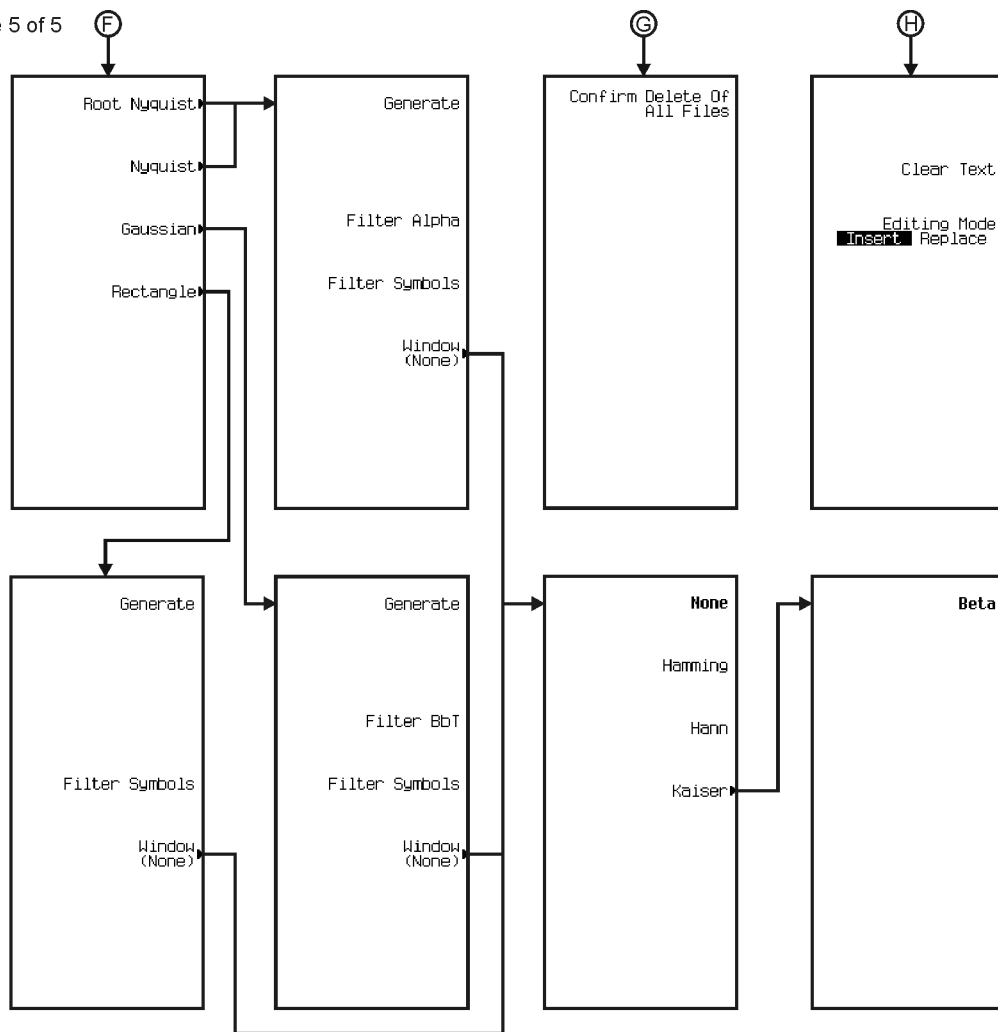


- * Data field changes according to channel selected.
- ** Active when channel 2 is selected. Once the **TrCH State** for channel 2 is turned on, this key is activated for channels 3 thru 6.
- *** Active when a parameter in a channel is changed.

pk799c

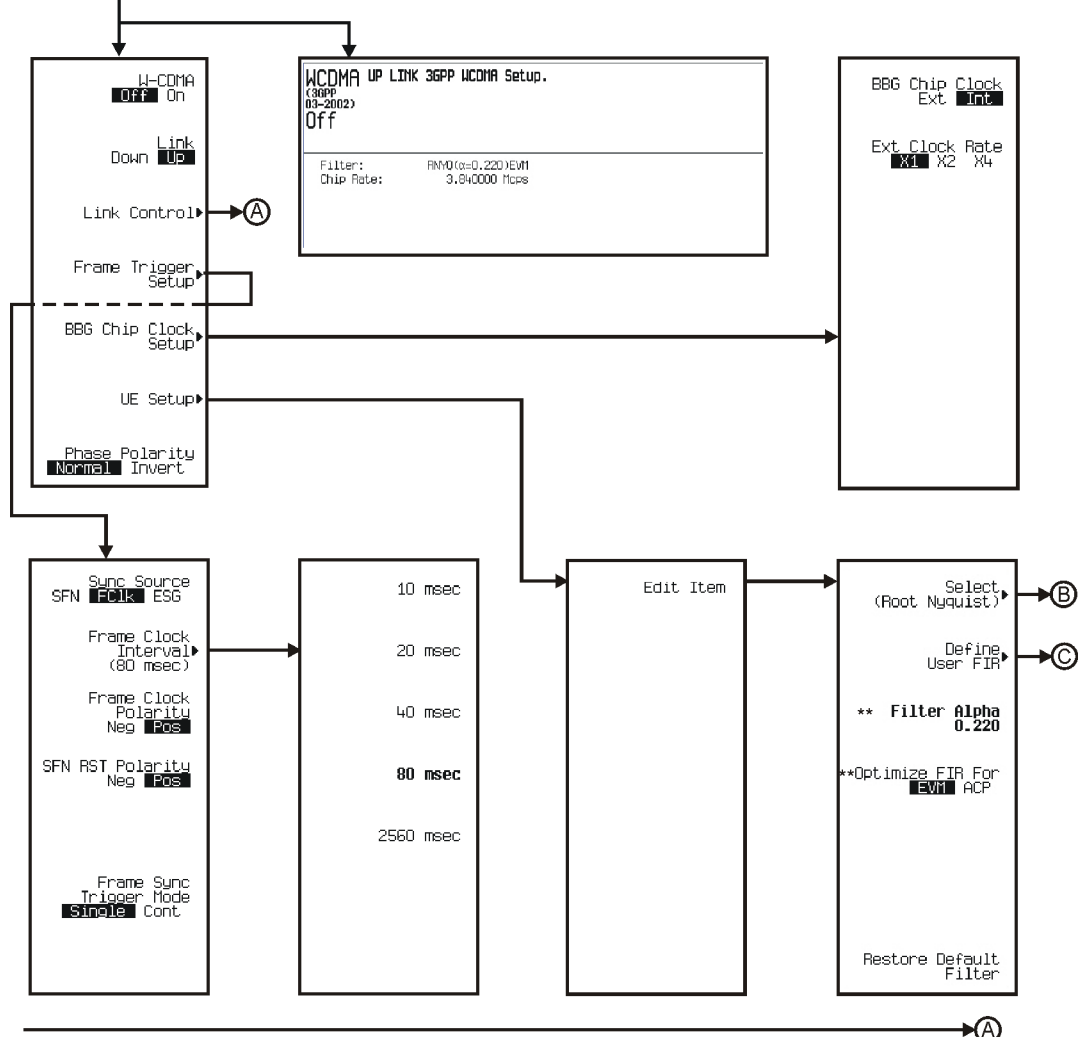
Key and Data Field Menu Maps
W-CDMA

Page 5 of 5



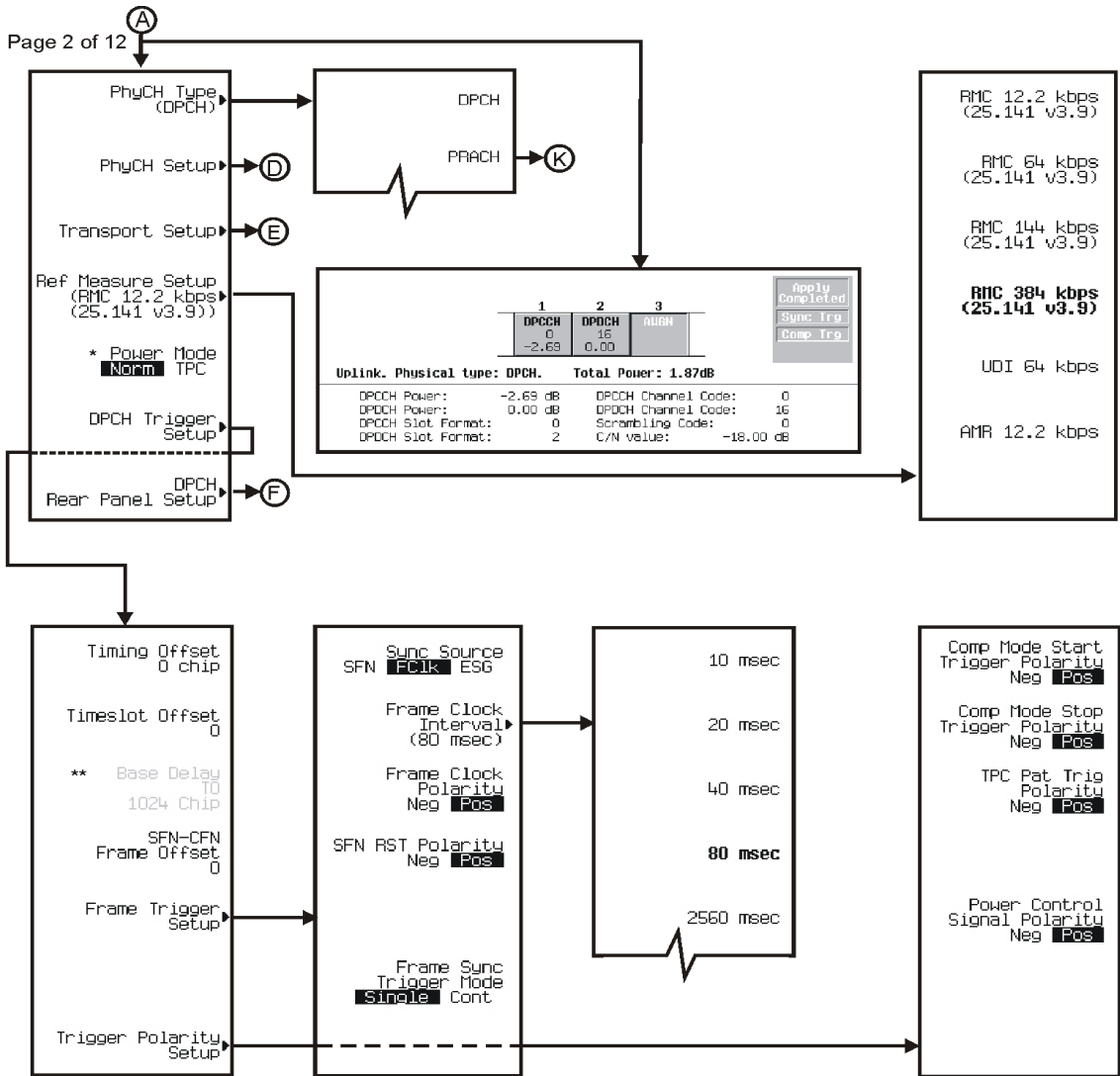
pk7100c

* Real Time W-CDMA (3GPP 03-2002) Page 1 of 12



* This menu covers Real Time W-CDMA (3GPP 03-2002) Up Link only .
 ** Changes according to the filter selected.

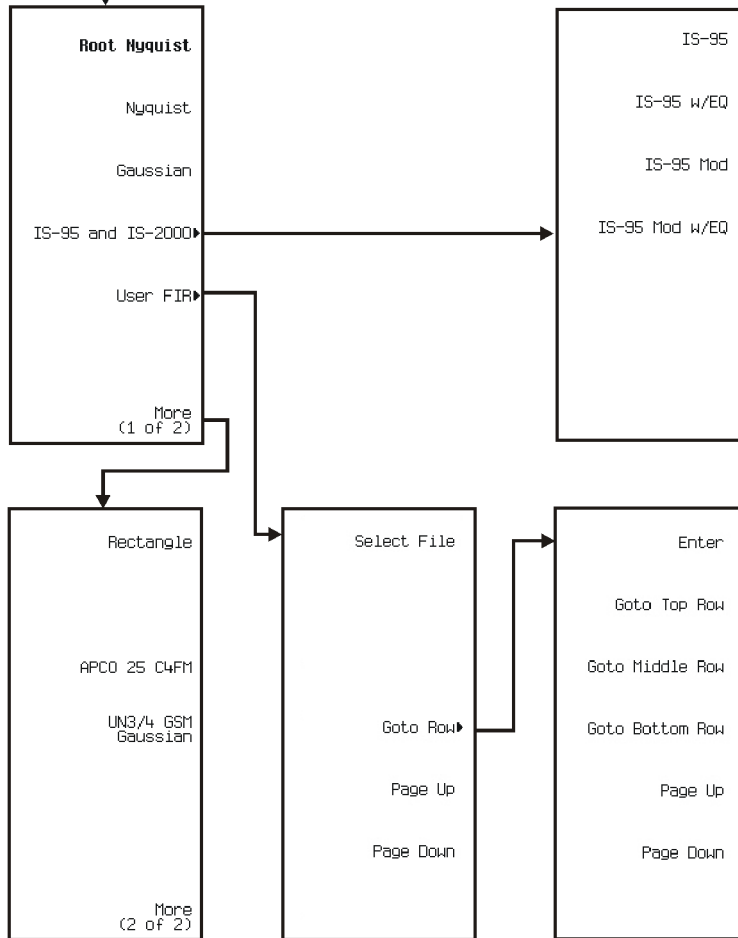
Key and Data Field Menu Maps
W-CDMA



(B) See next page

*Changes to PRACH Mode Single Multi when PRACH is the PhyCH Type
 **Available when PRACH is the PhyCH Type

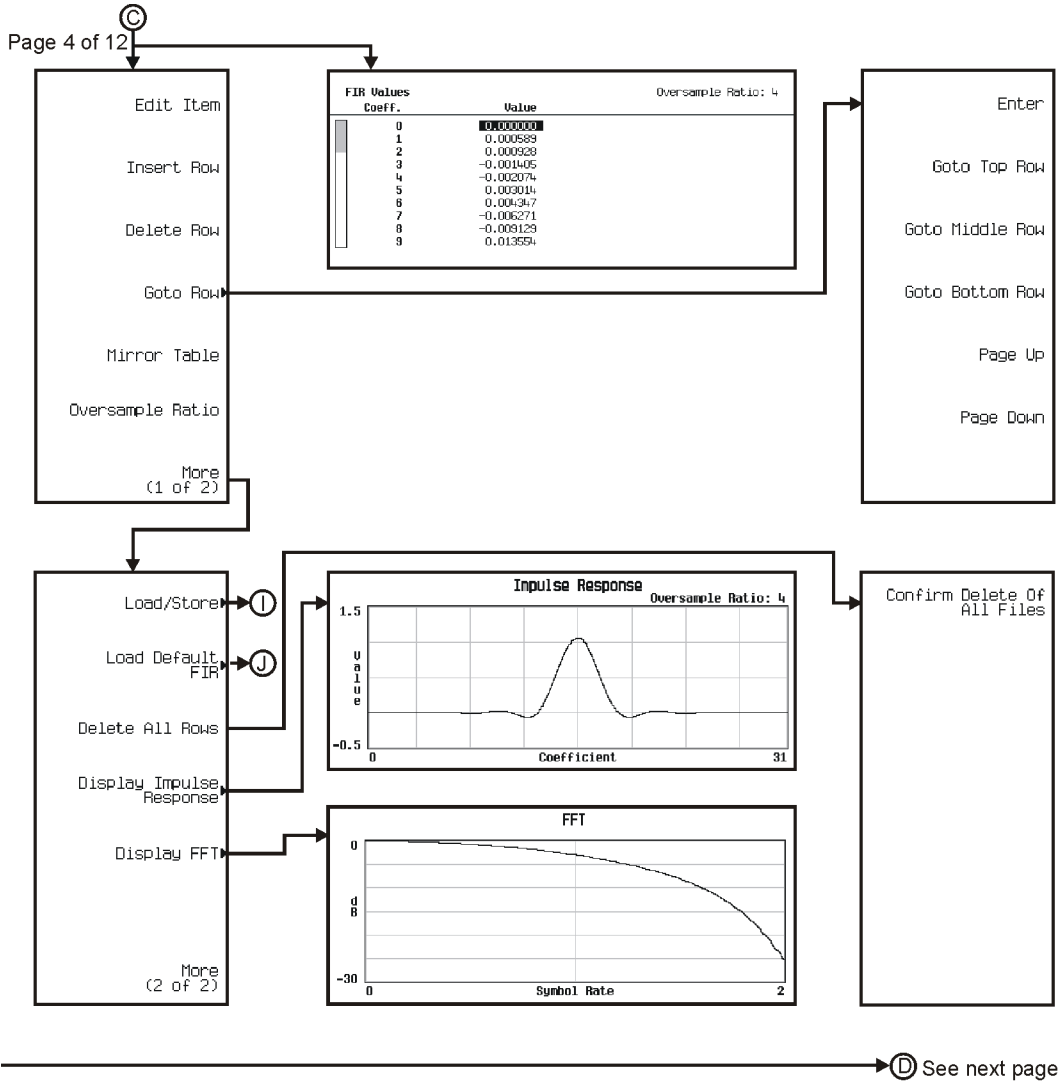
Page 3 of 12 (B)



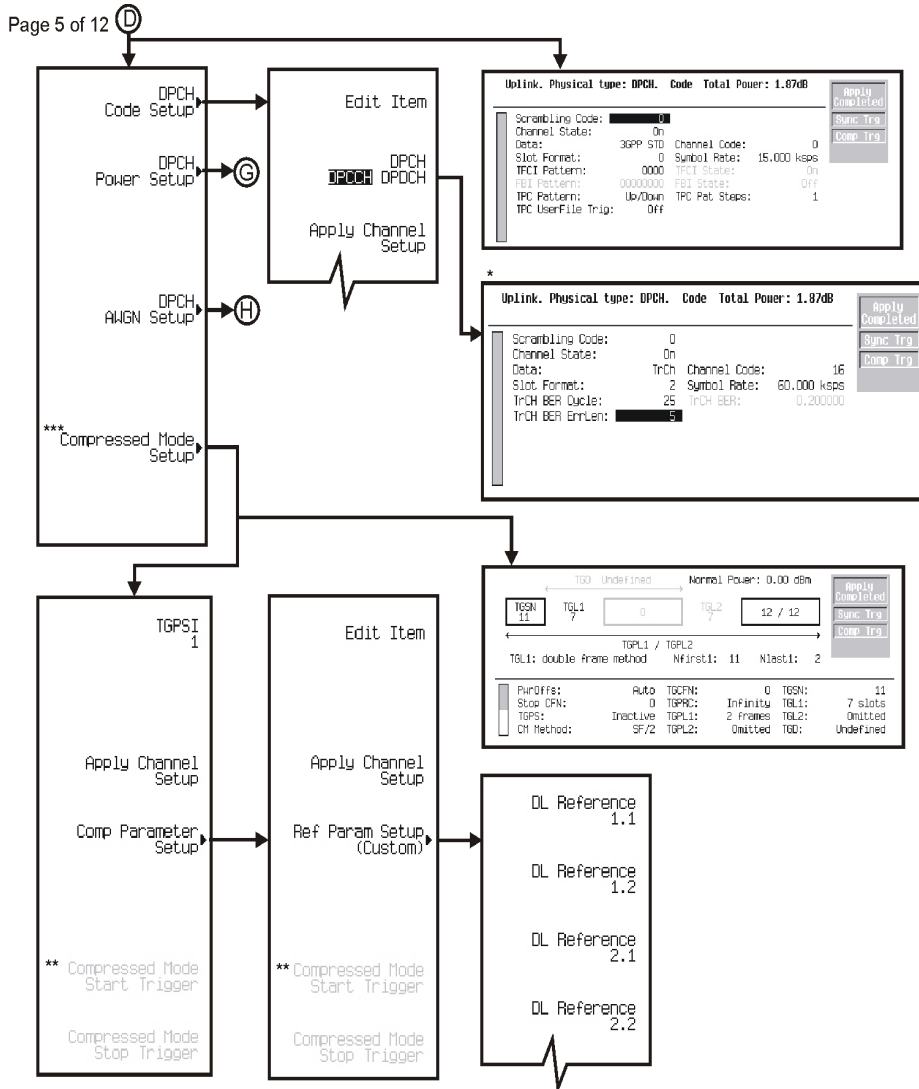
→ © See next page

25_pk795c.cdr

Key and Data Field Menu Maps
W-CDMA



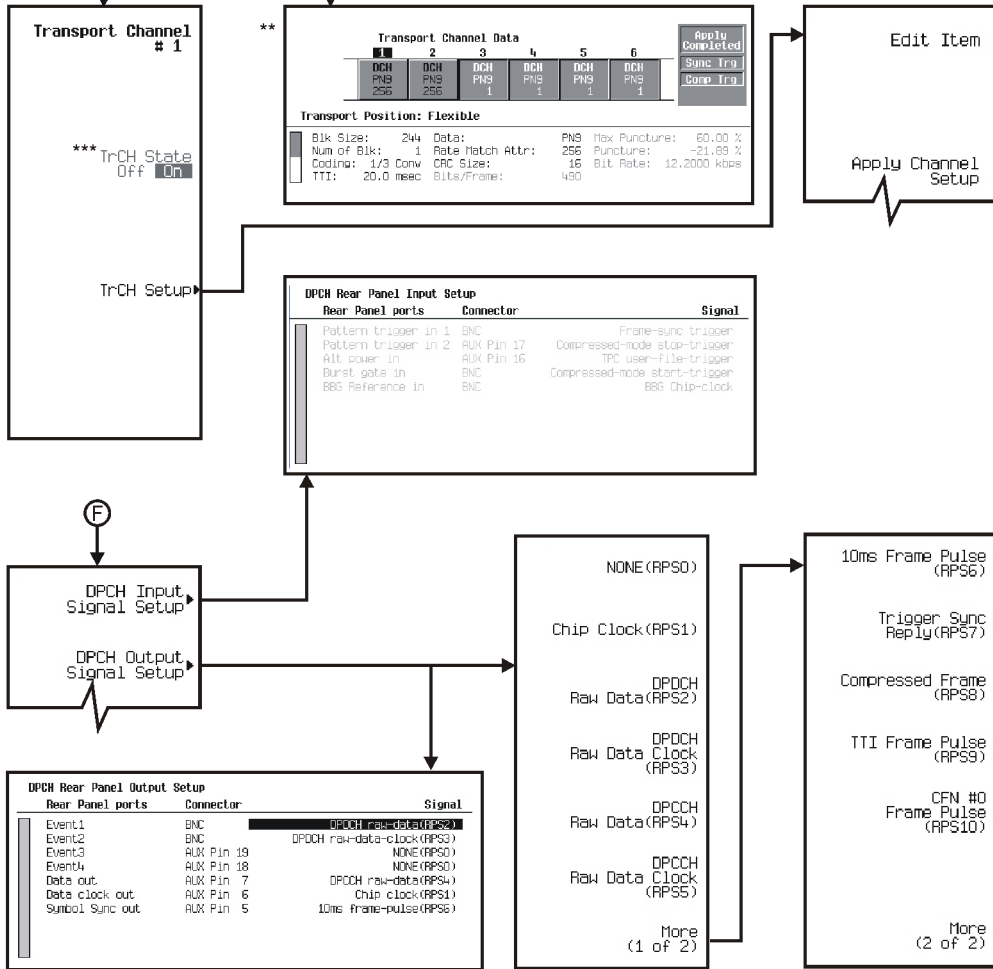
25_pk7102c



➔ E And F See next page

- * This display appears when **DPDCH** is selected.
- ** Activate by pressing **Ref Param Setup (Custom)**.
- *** This key changes to **Transmit Power Control Setup** when **Power Mode Norm TPC** is set to **TPC**. Go to S to view the **Transmit Power Control Setup** menu.

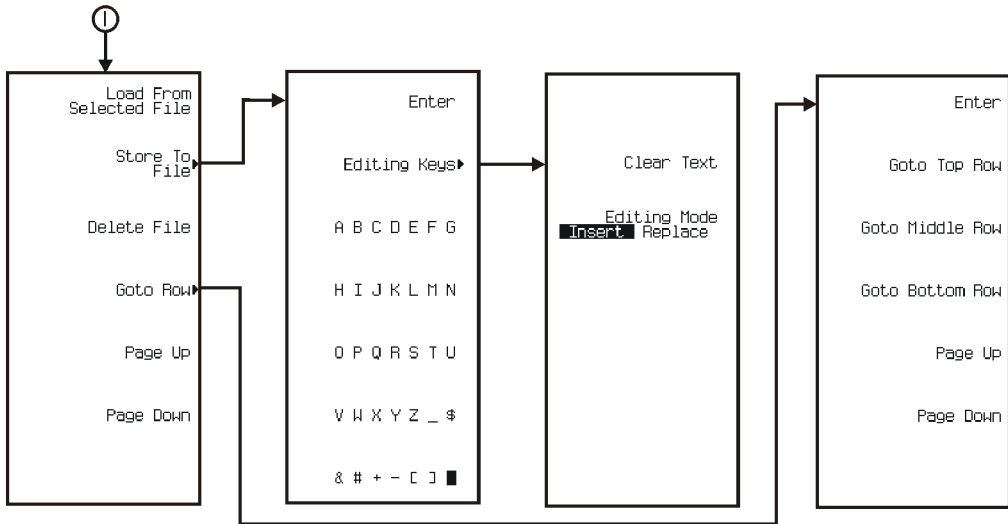
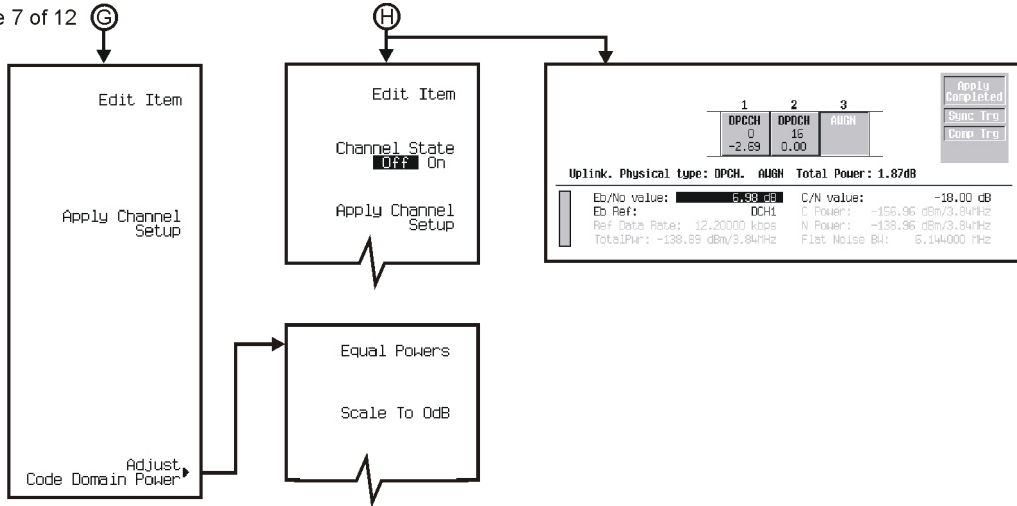
25-63806



G thru I
See Next Page

- * Active when channel 2 is selected. Once the TrCh State for channel 2 is turned on, this key is activated for channel 3, and so on.
- ** Data field changes according to channel selected.

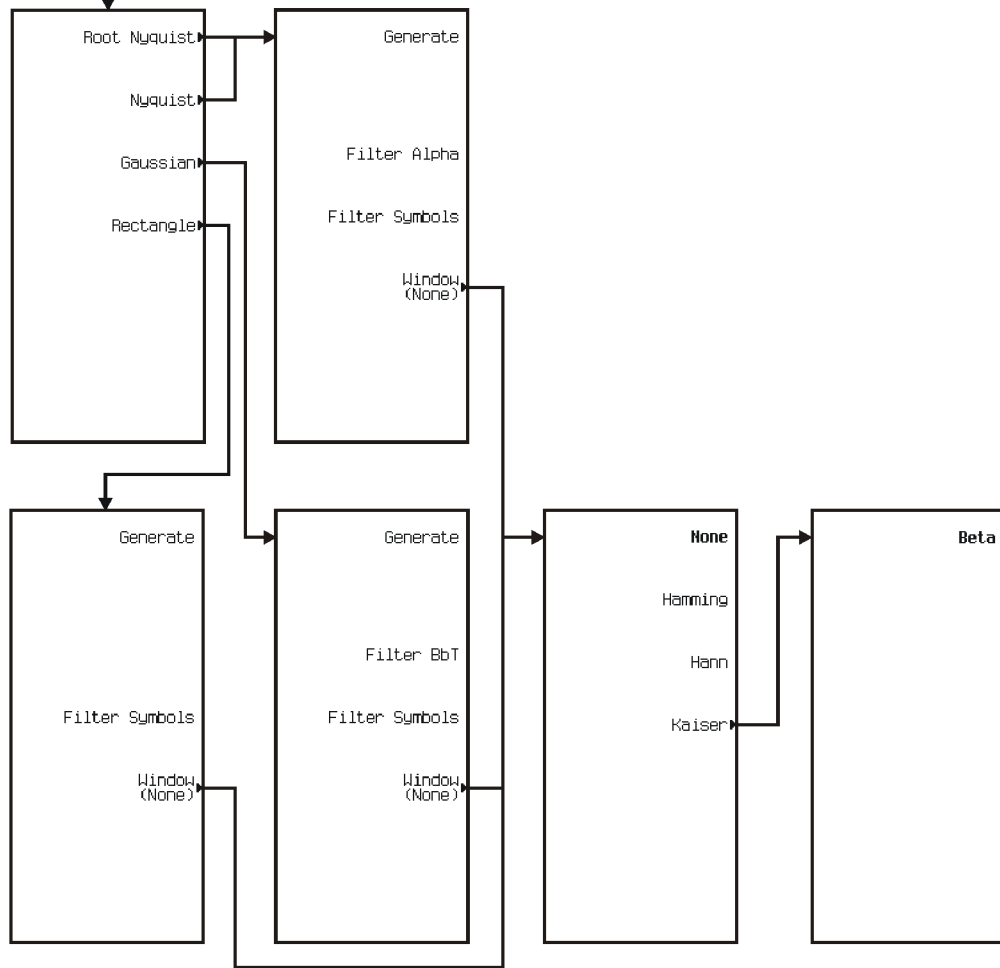
Page 7 of 12 **G**



J See next page

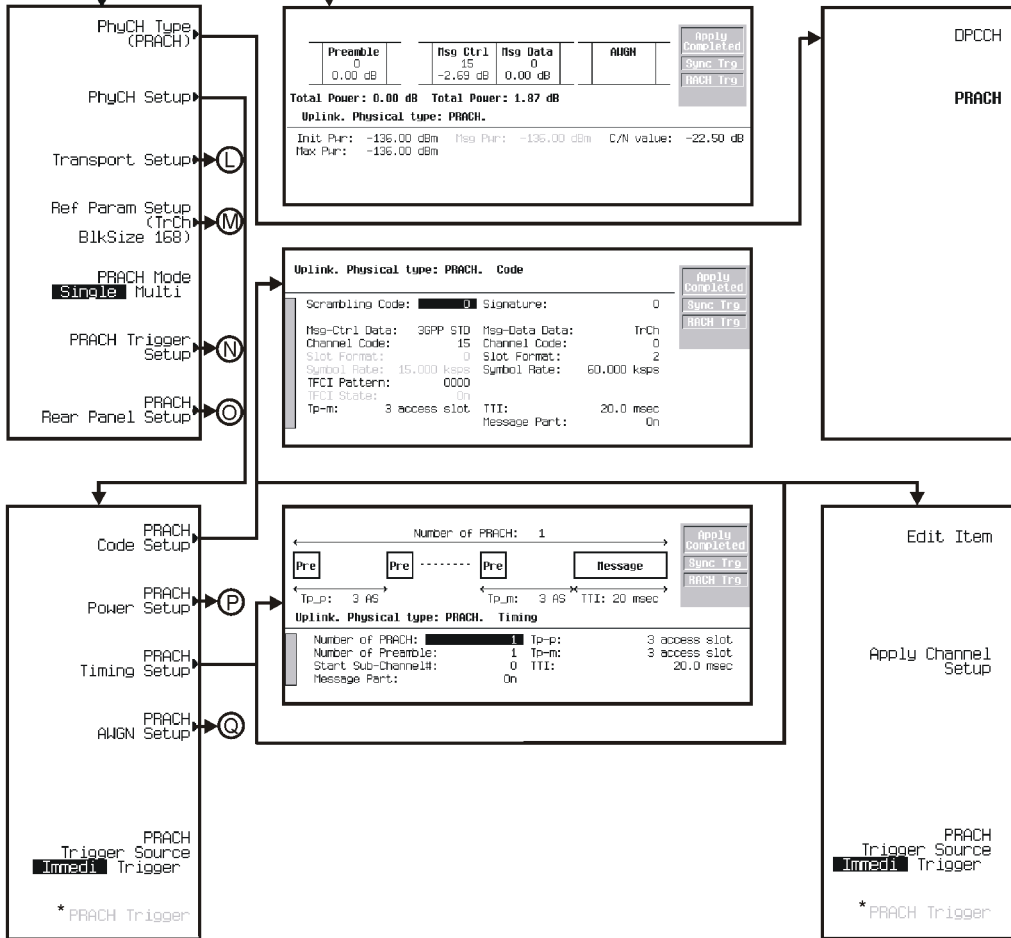
25_pk794c

Page 8 of 12 (J)



(K) Thru (S)

25_pk7104c



* Active when Trigger is selected.

(L) thru (O)

Key and Data Field Menu Maps
W-CDMA

Page 10 of 12 **P**

Edit Item

Apply Channel Setup

PRACH Power Setup Mode
Pr-m Total

PRACH Trigger Source
Immedi Trigger

* PRACH Trigger

Number of RACH: -
Preamble power average: - dBm

0 dB ↑ -136.00 dBm ↑ -4.56 dB ↑ Pre Pre ↑ -136.00 dBm ↑ Iso Data -136.00 dBm ↑ Iso Ctrl

Apply Completed
Sync Trg
RACH Trg

Uplink. Physical type: PRACH. Power

Init Pwr: -136.00 dBm Max Pwr: -136.00 dBm Ctrl Pwr: -2.68 dB
Max Pwr: -136.00 dBm Pr-m: -4.56 dB Ctrl Beta: 11
Ramp Step: 0.00 dB Data Pwr: 0.00 dB
Num of Pre: 1 Data Beta: 15

L

Transport Channel # 1

**TrCh State
Off **On**

TrCh Setup

Transport Channel Data

RACH PMS 1

Apply Completed
Sync Trg
RACH Trg

Transport Position: Flexible

Blk Size: 168 Data: PMS Max Puncture: 50.00 %
Num of Blk: 1 Data Batch All: 1 Puncture: -212.50 %
Average: 3.2 Comp. CRC Size: 16 Bit Rate: 8.40000 kbps
TTI: 20.0 msec Bits/Frame: 600

Q

Edit Item

AWGN State
Off **On**

Apply Channel Setup

PRACH Trigger Source
Immedi Trigger

* PRACH Trigger

M

TrCh
BlkSize 168

TrCh
BlkSize 360

Apply Completed
Sync Trg
RACH Trg

Preamble	0	0.00 dB	Iso Ctrl	15	-2.68 dB	Iso Data	0	0.00 dB	AWGN
----------	---	---------	----------	----	----------	----------	---	---------	------

Total Power: 0.00 dB Total Power: 1.97 dB

Uplink. Physical type: PRACH. AWGN

Eb/No value: -10.00 dB C/N value: -22.50 dB
C/Pwr: -151.44 dBm/3.24MHz
E Ref: RACH TrCh N Power: -138.34 dBm/3.24MHz
Ref Data Rate: 8.400000 kbps TotalPwr: -138.52 dBm/3.24MHz

Edit Item

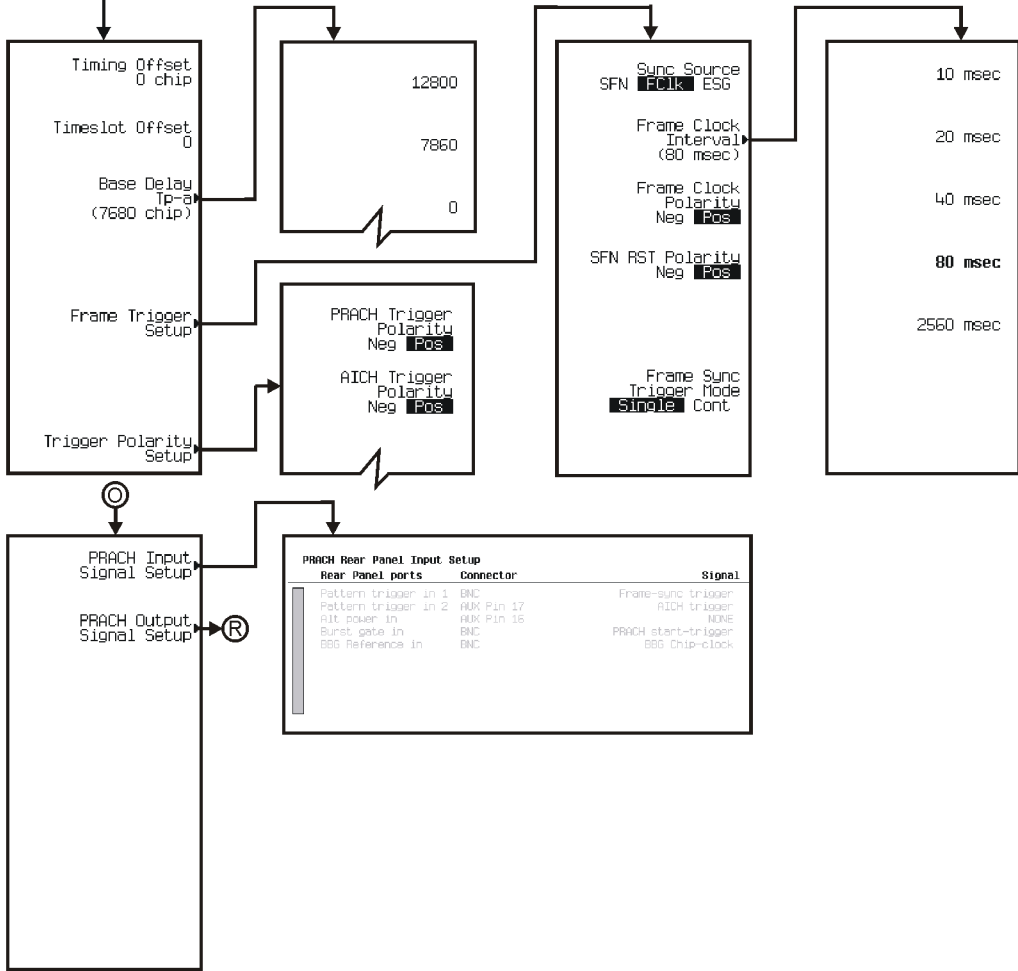
Apply Channel Setup

N and **O**
See Next Page

- * Active Trigger is selected.
- ** Active when channel is selected. Once the TrCh State for channel 2 is turned on, this key is activated for channel 3, and so on.

25_pk797ca


Page 11 of 12 (N)

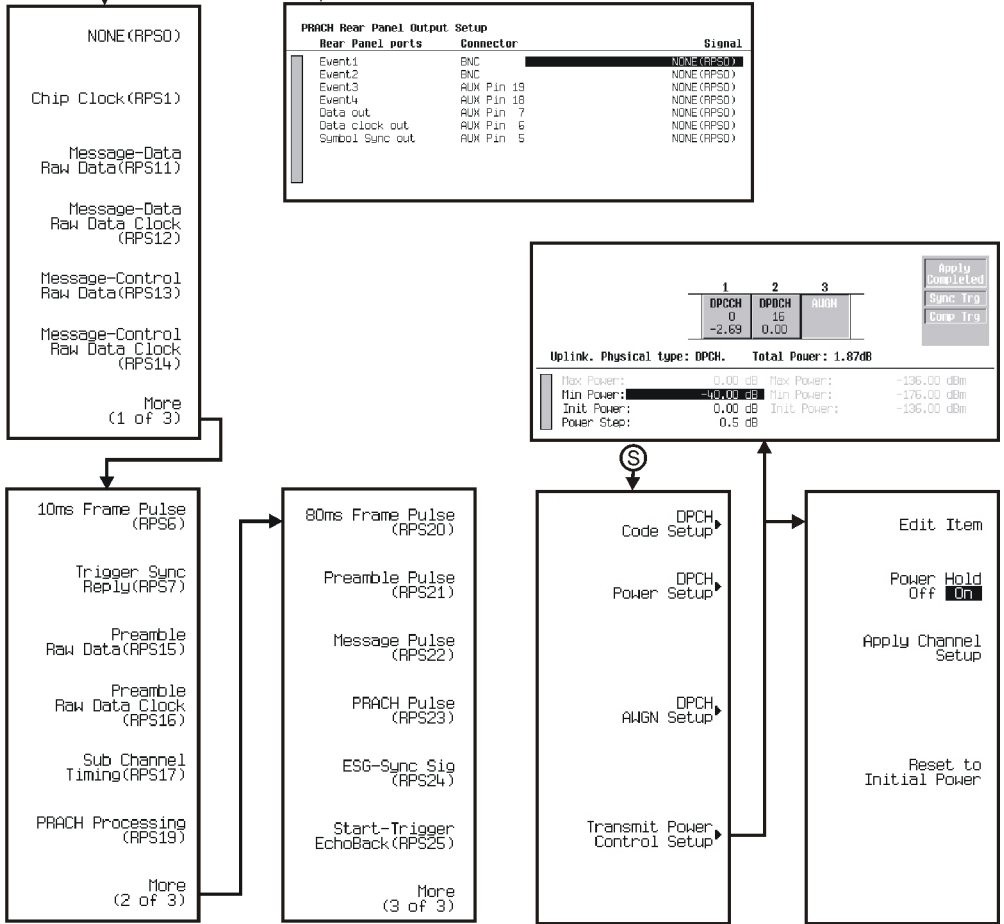


→ (R) and (S) See next page

25_pk791ca

Key and Data Field Menu Maps
W-CDMA

Page 12 of 12 



25_pk7101ca