

Appendix 5. Validation of System

Prior to the assessment, the system was verified in the flat region of the phantom, 900 MHz dipole was used. A forward power of 250 mW was applied to the 900 MHz dipole and the system was verified to a tolerance of $\pm 5\%$ for the dipoles.

The applicable verification normalised to 1 Watt.

System Check 900 Head

Date: 14/08/2013

Validation Dipole and Serial Number: D900V2 SN: 185

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	900	24.0 °C	22.7 °C	ϵ_r	41.50	40.79	-1.71	5.00
				σ	0.97	0.97	-0.31	5.00
				1g SAR	10.80	11.00	1.85	5.00
				10g SAR	6.97	7.12	2.15	5.00

System Check 900 Body

Date: 14/08/2013

Validation Dipole and Serial Number: D900V2 SN: 185

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	24.0 °C	21.7 °C	ϵ_r	55.00	53.06	-3.53	5.00
				σ	1.05	1.04	-1.24	5.00
				1g SAR	10.70	10.72	0.19	5.00
				10g SAR	6.95	7.00	0.72	5.00

Date: 19/08/2013

Validation Dipole and Serial Number: D900V2 SN: 185

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	24.0 °C	23.0 °C	ϵ_r	55.00	52.64	-4.29	5.00
				σ	1.05	1.05	0.14	5.00
				1g SAR	10.70	11.08	3.55	5.00
				10g SAR	6.95	7.24	4.17	5.00

Date: 20/08/2013

Validation Dipole and Serial Number: D900V2 SN: 185

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	24.0 °C	23.0 °C	ϵ_r	55.00	52.64	-4.29	5.00
				σ	1.05	1.05	0.14	5.00
				1g SAR	10.70	10.40	-2.80	5.00
				10g SAR	6.95	6.80	-2.16	5.00

Appendix 6. Simulated Tissues

The body mixture consists of water, Polysorbate (Tween 20) and salt. Visual inspection is made to ensure air bubbles are not trapped during the mixing process. The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the tissue.

Ingredient (% by weight)	Frequency 850/900 MHz	
	Head	Body
De-Ionized Water	52.87	71.30
Polysorbate 20	46.10	28.00
Salt	1.03	0.70

Appendix 7. DASY4 System Details

A.7.1. DASY4 SAR Measurement System

UL, SAR measurement facility utilises the Dosimetric Assessment System (DASY™) manufactured by Schmid & Partner Engineering AG (SPEAG™) of Zurich, Switzerland. The DASY4 system is comprised of the robot controller, computer, near-field probe, probe alignment sensor, and the SAM phantom containing brain or muscle equivalent material. The robot is a six-axis industrial robot performing precise movements to position the probe to the location (points) of maximum electromagnetic field (EMF). A cell controller system contains the power supply, robot controller; teach pendant (Joystick), and remote control. This is used to drive the robot motors. The Staubli robot is connected to the cell controller to allow software manipulation of the robot. The data acquisition electronics (DAE) performs signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection etc. The DAE is connected to the Electro-optical coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC plug-in card. The DAE3 utilises a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16-bit AD-converter and a command decoder and control logic unit. Transmission to the PC-card is accomplished through an optical downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe-mounting device includes two different sensor systems for frontal and sidewise probe contacts. They are also used for mechanical surface detection and probe collision detection. The robot uses its own controller with a built in VME-bus computer.

A.7.2. DASY4 SAR System Specifications

Robot System

Positioner:	Stäubli Unimation Corp. Robot Model: RX90L
Repeatability:	0.025 mm
No. of Axis:	6
Serial Number:	F01/5J86A1/A/01
Reach:	1185 mm
Payload:	3.5 kg
Control Unit:	CS7
Programming Language:	V+

Data Acquisition Electronic (DAE) System

Serial Number:	DAE3 SN:450
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PC Controller

PC:	Dell Precision 340
Operating System:	Windows 2000
Data Card:	DASY Measurement Server
Serial Number:	1080

Data Converter

Features:	Signal Amplifier, multiplexer, A/D converted and control logic.
Software:	DASY4 Software
Connecting Lines:	Optical downlink for data and status info. Optical uplink for commands and clock.

PC Interface Card

Function:	24 bit (64 MHz) DSP for real time processing Link to DAE3 16 nit A/D converter for surface detection system serial link to robot direct emergency stop output for robot.
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DASY4 SAR System Specifications (Continued)	
E-Field Probe	
Model:	ET3DV6
Serial No:	1529
Construction:	Triangular core
Frequency:	10 MHz to 2.55GHz
Linearity:	±0.2 dB (30 MHz to 2.55GHz)
Probe Length (mm):	337
Probe Diameter (mm):	10
Tip Length (mm):	10
Tip Diameter (mm):	6.8
Sensor X Offset (mm):	2.7
Sensor Y Offset (mm):	2.7
Sensor Z Offset (mm):	2.7
Phantom	
Phantom:	SAM Phantom, Eli Phantom
Shell Material:	Fibreglass
Thickness:	2.0 ±0.1 mm

Appendix 8. 3G Test set-up

3G (12.K RMC / HSDPA / HSUPA) setup

To switch from 2G to 3G, on the system config screen choose Format Switch and select WCDMA. The Call Setup Screen as shown in figure 1 pops up.

Call Setup Screen						
Call Control	Active Cell Operating Mode				Call Parms	
Operating Mode	UE Information				Cell Power	
Active Cell	INSI: INEI(SU): (--) Power Class:				-35.00 dBm/3.84 MHz	
	UE Expected Open Loop Transmit Power				Channel Type	
	Initial PRACH TX Power: -60.00 dBm Initial DPCCCH TX Power: -11.55 dBm				12.2k RMC	
Originate Call	Call Processing Status				Paging Service	
	Current Service Type: None INI Status: None GINI State: None Current DPCC Offset: 0 chips				RB Test Mode	
Paging Parameters	HSUPA Information		HSDPA Information		HSPA Parameters	
	Rep EDCH Cat/Ext: Unrep/Unrep Last received E-TFCI: ---- Throughput: ---- kbps Acks Transmitted: ----		Cur UE HS-DSCH Cat: ---- Block Error Ratio: ---- % Throughput: ---- kbps Blocks Transmitted: ----		34.121 Preset Call Configs	
Handovers	Active Cell			Sys Type: UTRA FDD		
	Idle					
Clear UE Info	IntRef				Channel (UARFCN) Parms	
1 of 5					1 of 3	

Figure 1: 3G Call Setup Screen

For a 12.2k RMC call follow the steps below.

8.1. Steps for 12.2k RMC

1. Ensure that the Operating Mode of the cell is off before setting up the instrument.
2. On the Call Setup Screen, under Call Parameters, press the button against Cell Power. The Cell Power value is set to about -35dBm to account for all the losses and ensure sufficient signal strength to the EUT.
3. The Channel Type is selected to 12.2k RMC. Press button against Channel (UARFCN) Parms select the correct Downlink Channel for the required UMTS FDD Band.
4. On the Call Setup Screen, under Call Parameters, press the button against HSPA Parameters. Under HSDPA Parameters on page 1, press HSDPA Uplink parameters and set the Delta ACK, Delta NACK, Delta CQI values to 8. Under HSDPA Parms itself, press HSDPA RB Test Mode Setup button and then the HSDPA RB Test Mode Settings and change HS-DSCH Data Pattern to All Ones.

Call Setup Screen									
Call Control	Active Cell Operating Mode						HSDPA Parms		
Close Menu	UE Information						HSDPA RB Test Node Setup		
	INSI: INEI(SU): (--) Power Class:								
	UE Expected Open Loop Transmit Power						UE Category Parameters ▾		
	Initial PRACH TX Power: -60.00 dBm Initial DPCCH TX Power: -11.55 dBm								
	HSDPA Uplink Parameters				Value		MAC-(e)hs Parameters ▾		
	DeltaACK				8				
	DeltaNACK				8				
	DeltaCQI				8				
	Ack-Nack Repetition Factor				1		HSDPA Uplink Parameters ▾		
	CQI Feedback Cycle (k)				2 ms				
CQI Repetition Factor				1					
						Return			
Active Cell Idle						Sys Type: UTRA FDD			
IntRef						1 of 2			

Figure 2: HSDPA Parameters

- On the Call Setup Screen, under Call Parameters, on page 2, check if the DL DTCH Data is set to All Ones. On page 3, ensure that the Receiver is set to Manual. On page 3 itself, under UL CL Power Ctrl Parameters, UL CL Power Ctrl Mode is set to All Up Bits.

Call Setup Screen									
Call Control	Active Cell Operating Mode						Call Parms		
Operating Mode	UE Information						DL DTCH Data		
Active Cell	INSI: INEI(SU): (--) Power Class:						All Ones		
Originate Call	UE Expected Open Loop Transmit Power						RLC Reestablish		
	Initial PRACH TX Power: -60.00 dBm Initial DPCCH TX Power: -11.55 dBm						Auto		
Paging Parameters ▾	Call Processing Status						Call Limit State		
	Current Service Type: None RIM Status: None GMM State: None Current DPCH Offset: 0 chips						Off		
	HSUPA Information			HSDPA Information			Call Drop Timer		
	Rep EDCH Cat/Ext: Unrep/Unrep Last received E-TFCI: ---- Throughput: ---- kbps Acks Transmitted: ----			Cur UE HS-DSCH Cat: ---- Block Error Ratio: ---- % Throughput: ---- kbps Blocks Transmitted: ----			On		
Clear UE Info	Active Cell Idle						SRB Parameters ▾		
IntRef						Sys Type: UTRA FDD			
1 of 5						2 of 3			

Figure 3: DL DTCH Data Parms

Call Setup Screen									
Call Control	Active Cell Operating Mode						Call Params		
Close Menu	UE Information						UE Target Power		
	IMSI: IMEI(SV): (--) Power Class:						-5 dBm		
	UE Expected Open Loop Transmit Power						UL CL Power Ctrl Parameters ▾		
	Initial PRACH TX Power: -60.00 dBm Initial DPCCCH TX Power: -11.55 dBm								
	UL CL Power Ctrl Parameters			Value					
	UL CL Power Ctrl Mode			All Up bits			Send Step Up TPC Bit Pattern		
	UL CL Power Ctrl Algorithm			Two					
	UL CL Power Ctrl Stepsize			1 dB			Send Step Down TPC Bit Pattern		
							Receiver Control ▾		
			Active Cell			Sys Type: UTRA FDD			
			Idle						
			IntRef						
						3 of 3			

Figure 4: UL CL Power Ctrl Parameters

6. On the Call Setup Screen, under Call Control, page 2, Cell Parameters, it is ensured that PS Domain information is kept as Absent for RMC.

Call Setup Screen									
Call Control	Active Cell Operating Mode						Call Params		
Additional Screens	UE Information						Cell Power		
	IMSI: IMEI(SV): (--) Power Class:						-35.00		
Cell Parameters ▾	UE Expected Open Loop Transmit Power						dBm/3.84 MHz		
	Initial PRACH TX Power: -60.00 dBm Initial DPCCCH TX Power: -11.55 dBm						Channel Type		
Generator Info	Cell Parameters						12.2k RNC		
				Value			Paging Service		
Uplink Parameters ▾	BCCH Update Page			Inhibit			RB Test Mode		
	PS Domain Information						HSPA Parameters		
	MCC (Mobile Country Code)						1		
UE Rep Params	MNC (Mobile Network Code)						34.121 Preset Call Configs ▾		
	MNC (Mobile Network Code) Length						Auto		
	LAC (Local Area Code)						1		
Close Menu	RAC (Routing Area Code)						1		
	Cell Identity						1		
				Active Cell			Sys Type: UTRA FDD		
				Idle					
				IntRef					
							1 of 3		

Figure 5: Cell Parameters

7. On the same page under Uplink Parameters the maximum Uplink Transmit Power is made 24dBm. Uplink DPCH Bc/Bd Control Settings are kept at Auto for RMC. These vary according for HSDPA and HSUPA as per the values given in KDB 941225 D01 SAR test for 3G devices v02.

Call Setup Screen						
Call Control	Active Cell Operating Mode				Call Parm	
Additional Screens	UE Information				Cell Power	
	INSI: INEI(SV): (--) Power Class:				-35.00 dBm/3.84 MHz	
Cell Parameters	UE Expected Open Loop Transmit Power				Channel Type	
Generator Info	Initial PRACH TX Power: -60.00 dBm Initial DPCCH TX Power: -11.55 dBm				12.2k RNC	
	Uplink Parameters PRACH Preambles: 64 PRACH Ramping Cycles(MAX): 2 Available Subchannels (Bit Mask): 00000000001 Uplink DPCH Scrambling Code: 0 Uplink DPCH Bc/Bd Control: Auto Manual Uplink DPCH Bc: 8 Manual Uplink DPCH Bd: 15 Maximum Uplink Transmit Power Level: 24 dBm				Paging Service RB Test Mode	
Uplink Parameters	Uplink Parameters PRACH Preambles: 64 PRACH Ramping Cycles(MAX): 2 Available Subchannels (Bit Mask): 00000000001 Uplink DPCH Scrambling Code: 0 Uplink DPCH Bc/Bd Control: Auto Manual Uplink DPCH Bc: 8 Manual Uplink DPCH Bd: 15 Maximum Uplink Transmit Power Level: 24 dBm				HSPA Parameters 34,121 Preset Call Configs	
UE Rep Params	Uplink Parameters PRACH Preambles: 64 PRACH Ramping Cycles(MAX): 2 Available Subchannels (Bit Mask): 00000000001 Uplink DPCH Scrambling Code: 0 Uplink DPCH Bc/Bd Control: Auto Manual Uplink DPCH Bc: 8 Manual Uplink DPCH Bd: 15 Maximum Uplink Transmit Power Level: 24 dBm				Channel (UARFCN) Parm	
Close Menu	Active Cell Idle				Sys Type: UTRA FDD	
2 of 5	IntRef				1 of 3	

Figure 6: Uplink Parameters

- On page 3 under Call Control, for the RB Test Mode setup, Asymmetric RMC CN Domain is ensured to be in CS Domain for RMC call.

Call Setup Screen						
Call Control	Active Cell Operating Mode				Call Parm	
	UE Information				Cell Power	
	INSI: INEI(SV): (--) Power Class:				-35.00 dBm/3.84 MHz	
	UE Expected Open Loop Transmit Power				Channel Type	
	Initial PRACH TX Power: -60.00 dBm Initial DPCCH TX Power: -11.55 dBm				12.2k RNC	
Voice Call	RB Test Mode Settings				Paging Service	
	Uplink DTCH RNC CRC Presence: Present Uplink Dummy DCCH Data: Off UE Loopback Type: Type 1 Asymmetric RNC Loopback Messaging: Close/Open Asymmetric RNC CN Domain: CS Domain				RB Test Mode	
Close Menu	Uplink DTCH RNC CRC Presence: Present Uplink Dummy DCCH Data: Off UE Loopback Type: Type 1 Asymmetric RNC Loopback Messaging: Close/Open Asymmetric RNC CN Domain: CS Domain				HSPA Parameters 34,121 Preset Call Configs	
	Active Cell Idle				Channel (UARFCN) Parm	
3 of 5	IntRef				1 of 3	

Figure 7: RB Test Mode Settings

- After the test set has been set up, change the cell Operating Mode to Active Cell and originate a call.

8.2. Steps for 12.2k RMC + HSDPA/HSUPA

1. Most of the steps to be followed are as in the case of 12.2k RMC however, some of the settings need to be changed. The Channel Type is changed to 12.2k RMC+HSDPA or 12.2k RMC+HSUPA as required.
2. For HSDPA and HSUPA, the settings remain same as the case for RMC but the PS Domain is made Present for Cell Parameters (Figure 5) and RB Test Mode Setup (Figure 7).
3. The following tables taken from FCC 3G SAR procedures (KDB 941225 D01 SAR test for 3G devices v02) below were applied to the Agilent 8960 series 10 wireless communications test set which supports 3G / HSDPA release 5 / HSUPA release 6.

Sub-test 1 Setup for Release 5 HSDPA

Sub-test	β_c	β_d	B_d (SF)	β_c/β_d	$\beta_{hs}^{(1)}$	SM (dB) ⁽²⁾
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15 ⁽³⁾	15/15 ⁽³⁾	64	12/15 ⁽³⁾	24/15	1.0
3	15/15	8/15	64	15/8	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $B_{hs}/\beta_c = 24/15$

Note 3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$

Sub-test 5 Setup for Release 6 HSUPA

Sub-test	β_c	β_d	B_d (SF)	β_c/β_d	$\beta_{hs}^{(1)}$	B_{oc}	B_{od}	B_{od} (SF)	B_{od} (codes)	CM ⁽²⁾ (dB)	MPR (dB)	AG ⁽⁴⁾ Index	E-TFCI
1	11/15 ⁽³⁾	15/15 ⁽³⁾	64	11/15 ⁽³⁾	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	31/15	B_{a11} : 47/15 B_{a12} : 47/15	4	1	2.0	1.0	15	92
4	2/15	15/15	64	2/15	2/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15 ⁽⁴⁾	15/15 ⁽⁴⁾	64	15/15 ⁽⁴⁾	24/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $B_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH AND E-DPCCH for the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$.

Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 14/15$ and $\beta_d = 15/15$.

Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.

Note 6: B_{od} can not be set directly; it is set by Absolute Grant Value.

Call Setup Screen		
Call Control	Active Cell Operating Mode	Serving Grant
Operating Mode	UE Information	AG Mode
Active Cell	INSI: INEI(SV): (--) Power Class:	Single Shot
	UE Expected Open Loop Transmit Power	Single Shot AG
Originate Call	Initial PRACH TX Power: -60.00 dBm Initial DPCCH TX Power: -11.55 dBm	21: (134/15)^2
	Call Processing Status	Send Single Shot Absolute Grant
Paging Parameters	Current Service Type: None MM Status: Abs Single Shot AG GMM State: Index 18: (95/15)^2 Current DPCH: Index 19: (106/15)^2	RB Setup AG
	HSUPA Information	33: 4(134/15)^2
Handovers	Rep EDCH Cat/B: Index 20: (119/15)^2 Last received: Index 21: (134/15)^2 Throughput: Index 22: (150/15)^2 Acks Transmitted: Index 23: (168/15)^2	AG Pattern Parameters
Clear UE Info	DSCH Cat: ---- Ratio: ---- % : ---- kbps nsmitted: ----	Return
	Active Cell: Idle Sys Type: UTRA FDD	
1 of 5	IntRef	1 of 2

Call Setup Screen		
Call Control	Active Cell Operating Mode	Call Parms
Additional Screens	UE Information	Cell Power
	INSI: INEI(SV): (--) Power Class:	-35.00
Cell Parameters	UE Expected Open Loop Transmit Power	dBm/3.84 MHz
	Initial PRACH TX Power: -60.00 dBm Initial DPCCH TX Power: -22.58 dBm	Channel Type
Generator Info	Uplink Parameters	12.2k + HSDPA
	Value	Paging Service
Uplink Parameters	PRACH Preambles: 64	RB Test Mode
	PRACH Ramping Cycles(MAX): 2	HSPA Parameters
	Available Subchannels (Bit Mask): 000000000001	34,121 Preset Call Configs
UE Rep Params	Uplink DPCH Scrambling Code: 0	Channel (UARFCN) Parms
	Uplink DPCH Bc/Bd Control: Manual	
	Manual Uplink DPCH Bc: 2	
Close Menu	Manual Uplink DPCH Bd: 15	
	Maximum Uplink Transmit Power Level: 24 dBm	
	Cell Off Sys Type: UTRA FDD	
2 of 5	IntRef	1 of 3

- For HSUPA the Serving Grant Parameter needs to be set. On the Call Setup Screen, under Call Parameters, press the button against HSPA Parameters. On the new screen that pops up, press HSUPA and Serving Grant. The Serving Grant is set according to the table for HSPA in the KDB (AG Index). The correct AG is chosen from the Single Shot AG. Consecutively, the RG Setup AG is set as per the ratio set on Single Shot AG.

Call Setup Screen																													
Call Control		Active Cell Operating Mode						Serving Grant																					
Operating Mode		<table border="1"> <thead> <tr> <th colspan="4">UE Information</th> </tr> </thead> <tbody> <tr> <td>INSI:</td> <td colspan="3"></td> </tr> <tr> <td>INEI(SU):</td> <td colspan="3">(--)</td> </tr> <tr> <td>Power Class:</td> <td colspan="3"></td> </tr> </tbody> </table>						UE Information				INSI:				INEI(SU):	(--)			Power Class:				AG Mode					
UE Information																													
INSI:																													
INEI(SU):	(--)																												
Power Class:																													
Active Cell								Single Shot																					
Originate Call		<table border="1"> <thead> <tr> <th colspan="4">UE Expected Open Loop Transmit Power</th> </tr> </thead> <tbody> <tr> <td>Initial PRACH TX Power:</td> <td>-60.00</td> <td>dBm</td> <td></td> </tr> <tr> <td>Initial DPCH TX Power:</td> <td>-11.55</td> <td>dBm</td> <td></td> </tr> </tbody> </table>						UE Expected Open Loop Transmit Power				Initial PRACH TX Power:	-60.00	dBm		Initial DPCH TX Power:	-11.55	dBm		Single Shot AG									
		UE Expected Open Loop Transmit Power																											
Initial PRACH TX Power:	-60.00	dBm																											
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								31: $6(168/15)^2$																					
Paging Parameters		<table border="1"> <thead> <tr> <th colspan="4">Call Processing Status</th> </tr> </thead> <tbody> <tr> <td>Current Service Type:</td> <td colspan="3">None</td> </tr> <tr> <td>MM Status:</td> <td colspan="3">None</td> </tr> <tr> <td>GM State:</td> <td colspan="3">None</td> </tr> <tr> <td>Current DPCH Offset:</td> <td colspan="3">0 chips</td> </tr> </tbody> </table>						Call Processing Status				Current Service Type:	None			MM Status:	None			GM State:	None			Current DPCH Offset:	0 chips			Send Single Shot Absolute Grant	
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HSUPA Information		HSDPA Information																											
Rep EDCH Cat/Ext:	Unrep/Unrep	Cur UE HS-DSCH Cat:	----																										
Last received E-TFCI:	----	Block Error Ratio:	---- %																										
Throughput:	---- kbps	Throughput:	---- kbps																										
Acks Transmitted:	----	Blocks Transmitted:	----																										
Clear UE Info								37: $6(168/15)^2$																					
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HSUPA Information		HSDPA Information																											
Rep EDCH Cat/Ext:	Unrep/Unrep	Cur UE HS-DSCH Cat:	----																										
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Figure 8: Serving Grant Example