

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 bit 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 Params	
Operating Mode	UE Information							Cell Power	
Active Cell	IMEI: (---) IMEI(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 RMC	
Originate Call	Call Processing Status							Paging Service	
	Current Service Type: None IMI Status: None GMM State: None Current DPCCH Offset: 0 chips							RB Test Mode	
Paging Parameters ▾	HSUPA Information							HSPA Parameters	
	Rep EDCH Cat/Ext: Unrep/Unrep Last received E-TFCI: ---- Throughput: ---- kbps Acks Transmitted: ----							34.121 Preset Call Configs ▾	
Handovers	HSDPA Information							Channel (UARFCN) Params	
	Cur UE HS-DSCH Cat: ---- Block Error Ratio: ---- % Throughput: ---- kbps Blocks Transmitted: ----								
Clear UE Info	Active Cell							Sys Type: UTRA FDD	
	Idle								
1 of 5				IntRef					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) Params 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 Params 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		
	UE Information INSI: INEI(SU): (--) Power Class:						HSDPA RB Test Node Setup		
	UE Expected Open Loop Transmit Power Initial PRACH TX Power: -60.00 dBm Initial DPCCH TX Power: -11.55 dBm								
	HSDPA Uplink Parameters						Value		
	DeltaACK						8		
	DeltaNACK						8		
	DeltaCQI						8		
	Ack-Nack Repetition Factor						1		
	CQI Feedback Cycle (k)						2 ms		
	CQI Repetition Factor						1		
	Close Menu							Return	
	Active Cell Idle				Sys Type: UTRA FDD				
				IntRef					1 of 2

Figure 2: HSDPA Parameters

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

Figure 3: DL DTCH Data Parms

Call Setup Screen																									
Call Control	Active Cell Operating Mode						Call Params																		
	<div>UE Information</div> <div> IMSI: IMEI(SV): Power Class: </div>						UE Target Power -5 dBm																		
	<div>UE Expected Open Loop Transmit Power</div> <div> Initial PRACH TX Power: -60.00 dBm Initial DPCH TX Power: -11.55 dBm </div>						UL CL Power Ctrl Parameters																		
	<div>UL CL Power Ctrl Parameters</div> <div> <table border="1"> <thead> <tr> <th>UL CL Power Ctrl Mode</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>UL CL Power Ctrl Algorithm</td> <td>All Up bits</td> </tr> <tr> <td>UL CL Power Ctrl Stepsize</td> <td>Two</td> </tr> <tr> <td></td> <td>1 dB</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table> </div>						UL CL Power Ctrl Mode	Value	UL CL Power Ctrl Algorithm	All Up bits	UL CL Power Ctrl Stepsize	Two		1 dB									Send Step Up TPC Bit Pattern		
	UL CL Power Ctrl Mode	Value																							
	UL CL Power Ctrl Algorithm	All Up bits																							
	UL CL Power Ctrl Stepsize	Two																							
		1 dB																							
						Send Step Down TPC Bit Pattern																			
						Receiver Control																			
<div>Close Menu</div>																									
<div>Active Cell</div> <div>Idle</div>						Sys Type: UTRA FDD																			
<div>IntRef</div>						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 Cell Parameters Generator Info Uplink Parameters UE Rep files Close Menu	<div>UE Information</div> <div> IMSI: IMEI(SV): Power Class: </div>						Cell Power -35.00 dBm/3.84 MHz																				
	<div>UE Expected Open Loop Transmit Power</div> <div> Initial PRACH TX Power: -60.00 dBm Initial DPCH TX Power: -11.55 dBm </div>						Channel Type 12.2k RMC																				
	<div>Cell Parameters</div> <div> <table border="1"> <thead> <tr> <th>Cell Parameters</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>BCCH Update Page</td> <td>Inhibit</td> </tr> <tr> <td>PS Domain Information</td> <td>Absent</td> </tr> <tr> <td>MCC (Mobile Country Code)</td> <td>1</td> </tr> <tr> <td>MNC (Mobile Network Code)</td> <td>1</td> </tr> <tr> <td>MNC (Mobile Network Code) Length</td> <td>Auto</td> </tr> <tr> <td>LAC (Local Area Code)</td> <td>1</td> </tr> <tr> <td>RAC (Routing Area Code)</td> <td>1</td> </tr> <tr> <td>Cell Identity</td> <td>1</td> </tr> </tbody> </table> </div>						Cell Parameters	Value	BCCH Update Page	Inhibit	PS Domain Information	Absent	MCC (Mobile Country Code)	1	MNC (Mobile Network Code)	1	MNC (Mobile Network Code) Length	Auto	LAC (Local Area Code)	1	RAC (Routing Area Code)	1	Cell Identity	1	Paging Service RB Test Mode		
	Cell Parameters	Value																									
	BCCH Update Page	Inhibit																									
	PS Domain Information	Absent																									
	MCC (Mobile Country Code)	1																									
	MNC (Mobile Network Code)	1																									
	MNC (Mobile Network Code) Length	Auto																									
	LAC (Local Area Code)	1																									
RAC (Routing Area Code)	1																										
Cell Identity	1																										
						HSPA Parameters																					
						34.121 Preset Call Configs																					
						Channel (UARFCN) Params																					
<div>Active Cell</div> <div>Idle</div>						Sys Type: UTRA FDD																					
<div>IntRef</div>						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 Params		
Additional Screens	UE Information						Cell Power		
	INSI: INEI(SU): (--) 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: -11.55 dBm						Channel Type		
Generator Info	Uplink Parameters						12.2k RNC		
	Value						Paging Service		
Uplink Parameters	PRACH Preambles						RB Test Mode		
	64						HSPA Parameters		
UE Rep Meas	PRACH Ramping Cycles(MAX)						34.121 Preset Call Configs		
	2						Channel (UARFCN) Params		
Close Menu	Available Subchannels (Bit Mask)						1 of 3		
	000000000001								
Close Menu	Uplink DPCCH Scrambling Code								
	0								
Close Menu	Uplink DPCCH Bc/Bd Control								
	Auto								
Close Menu	Manual Uplink DPCCH Bc								
	8								
Close Menu	Manual Uplink DPCCH Bd								
	15								
Close Menu	Maximum Uplink Transmit Power Level								
	24 dBm								
2 of 5	Active Cell						Sys Type: UTRA FDD		
	Idle								
2 of 5	IntRef								

Figure 6: Uplink Parameters

8. 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 Params		
	UE Information						Cell Power		
	INSI: INEI(SU): (--) Power Class:						-35.00		
	UE Expected Open Loop Transmit Power						dBm/3.84 MHz		
	Initial PRACH TX Power: -60.00 dBm Initial DPCCH TX Power: -11.55 dBm						Channel Type		
	RB Test Mode Settings						12.2k RNC		
	Value						Paging Service		
	Uplink DTCH RNC CRC Presence						RB Test Mode		
	Present						HSPA Parameters		
	Uplink Dummy DCCH Data						34.121 Preset Call Configs		
	Off						Channel (UARFCN) Params		
	UE Loopback Type						1 of 3		
	Type 1								
Voice Call	Asymmetric RNC Loopback Messaging								
	Close/Open								
	Asymmetric RNC CN Domain								
	CS Domain								
Close Menu									
Close Menu									
3 of 5	Active Cell						Sys Type: UTRA FDD		
	Idle								
3 of 5	IntRef								

Figure 7: RB Test Mode Settings

9. 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_{all1} : 47/15 B_{all2} : 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		<div> <div>UE Information</div> <div> INSI: IMEI(SV): Power Class: </div> </div> <div> <div>UE Expected Open Loop Transmit Power</div> <div> Initial PRACH TX Power: -60.00 dBm Initial DPCCH TX Power: -11.55 dBm </div> </div> <div> <div>Call Processing Status</div> <div> Current Service Type: None MM Status: Abs Single Shot AG GMM State: Index 18: (95/15)^2 Current DPCCH: Index 19: (106/15)^2 Index 20: (119/15)^2 Index 21: (134/15)^2 Index 22: (150/15)^2 Index 23: (168/15)^2 </div> </div> <div> <div>HSUPA Information</div> <div> Rep EDCH Cat: ---- Last received: ---- Throughput: ---- kbps Acks Transmitted: ---- </div> </div>						AG Mode	
Active Cell								Single Shot	
Originate Call								Single Shot AG	
								21: (134/15)^2	
Paging Parameters								Send Single Shot Absolute Grant	
Handovers								RB Setup AG	
								33: 4(134/15)^2	
Clear UE Info								AG Pattern Parameters	
								Return	
		Active Cell				Sys Type: UTRA FDD			
		Idle							
1 of 5		IntRef						1 of 2	

Call Setup Screen									
Call Control		Active Cell Operating Mode						Call Parms	
Additional Screens		<div> <div>UE Information</div> <div> INSI: IMEI(SV): Power Class: </div> </div> <div> <div>UE Expected Open Loop Transmit Power</div> <div> Initial PRACH TX Power: -60.00 dBm Initial DPCCH TX Power: -22.58 dBm </div> </div> <div> <div>Uplink Parameters</div> <div> PRACH Preambles: 64 PRACH Ramping Cycles(MAX): 2 Available Subchannels (Bit Mask): 000000000001 Uplink DPCCH Scrambling Code: 0 Uplink DPCCH Bc/Bd Control: Manual Manual Uplink DPCCH Bc: 2 Manual Uplink DPCCH Bd: 15 Maximum Uplink Transmit Power Level: 24 dBm </div> </div>						Cell Power	
Cell Parameters								-35.00	
Generator Info								dBm/3.84 MHz	
								Channel Type	
								12.2k + HSDPA	
Uplink Parameters								Paging Service	
								RB Test Mode	
UE Rep Meas								HSPA Parameters	
Close Menu								34.121 Preset Call Configs	
								Channel (UARFCN) Parms	
		Cell Off				Sys Type: UTRA FDD			
2 of 5		IntRef						1 of 3	

4. 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		<div>UE Information</div> <div> INSI: INEI(SU): Power Class: </div> <div> (--) </div> <div>UE Expected Open Loop Transmit Power</div> <div> Initial PRACH TX Power: -60.00 dBm Initial DPCH TX Power: -11.55 dBm </div> <div>Call Processing Status</div> <div> Current Service Type: None MM Status: None GMM State: None Current DPCH Offset: 0 chips </div> <div> <div>HSUPA Information</div> <div> Rep EDCH Cat/Ext: Unrep/Unrep Last received E-TFCI: ---- Throughput: ---- kbps Acks Transmitted: ---- </div> <div> <div>HSDPA Information</div> <div> Cur UE HS-DSCH Cat: ---- Block Error Ratio: ---- % Throughput: ---- kbps Blocks Transmitted: ---- </div> </div> </div> <td colspan="2">AG Mode</td>						AG Mode	
Active Cell								Single Shot	
Originate Call		<div>Send Single Shot Absolute Grant</div>						Single Shot AG	
								31: 6(168/15)^2	
Paging Parameters ▾		<div>RB Setup AG</div>						37: 6(168/15)^2	
Handovers								AG Pattern Parameters ▾	
Clear UE Info		<div>Return</div>							
		Active Cell				Sys Type: UTRA FDD			
		Idle							
1 of 5		IntRef						1 of 2	

Figure 8: Serving Grant Example