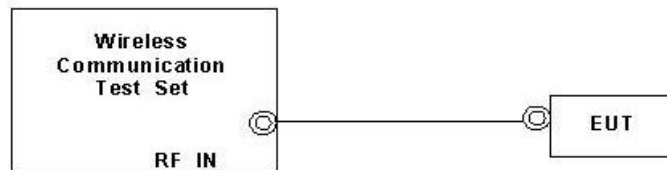


Appendix F. FCC 3G SAR Measurement Procedures

HSPA+ 16QAM Setup Configuration:

- a. The EUT was connected to Base Station referred to the drawing of Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting
 - i. Data rates: Varied from HSPA
 - ii. RMC Test Loop = Loop Mode 1
 - iii. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.



Setup Configuration

HSPA 16QAM Setup Configuration:

- a. The EUT was connected to Base Station referred to the drawing of Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting * :
 - i. Call Configs = 5.2E:HSPA+:UL with 16QAM
 - ii. Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.4, quoted from the TS 34.121-1 s5.2E
 - iii. Set Channel Parmns
 - iv. Set Cell Power = -86 dBm
 - v. Set Channel Type = HSPA
 - vi. Set UE Target Power =21 dBm
 - vii. Power Ctrl Mode= All Up Bits
 - viii. Set Manual Uplink DPCH Bc/Bd = Manual
 - ix. Set Manual Uplink DPCH Bc and Bd=15,15(for 34.121-1 v8.10.0 tableC11.1.4 sub-test 1)
 - x. Set HSPA Conn DL Channel Levels
 - xi. Set HS-SCCH Configs
 - xii. Set RB Test Mode Setup
 - xiii. Set Common HSUPA Parameters
 - xiv. Set Serving Grant
 - xv. Confirm that E-TFCI is equal to the target E-TFCI of 105 for sub-test 1, and other subtest's E-TFCI
- d. The transmitted maximum output power was recorded.

Table C.11.1.4: β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM

Sub-test	β_c (Note3)	β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	β_{ed1} : 30/15 β_{ed2} : 30/15	β_{ed3} : 24/15 β_{ed4} : 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$.

Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).

Note 3: DPDCH is not configured, therefore the β_c is set to 1 and $\beta_d = 0$ by default.

Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signaled to use the extrapolation algorithm.

Setup Configuration

Note: For details settings in the Agilent 8960 test equipment, please refer to the user guide “16QAM Measurement User Guide rev2”



Call Setup Screen						
Call Control	Active Cell Operating Mode				Call Parm	
Channel (UARFCN) Info	UE Information				Cell Power	
	INSI: 001010123456789	Power Class: 3	Detected PRACH Sig: 0		-75.00 dBm/3.84 MHz	
Cell Info	Called Party Number:				Channel Type	
	UE Expected Open Loop Transmit Power				HSPA	
Generator Info	Init PRACH TX Pou: -22.70 dBm	Init DPCCH TX Pou: 17.99 dBm		Paging Service		
	Current Service Type				RB Test Mode	
Uplink Parameters	None			Value		
	PRACH Ramping Cycles(MMAX)			2		
	Available Subchannels (Bit Mask)			000000000001		
	Uplink DPCH Scrambling Code			0		
	Uplink DPCH Bc/Bd Control			Manual		
	Manual Uplink DPCH Bc			15		
	Manual Uplink DPCH Bd			15		
Close Menu	Maximum Uplink Transmit Power Level			21 dBm		
	Uplink DPCCH Slot Format			1		
Background		Active Cell Idle		Sys Type: UTRA FDD		
				Logging: No Conn		
2 of 6		IntRef Offset		1 of 3		

Example for HSPA Subtest 1, and other subtests following table, C11.1.4 (Gain Factors ($\beta_c = 15$ and $\beta_d = 15$))

Call Setup Screen						
Conn DL Lvl	Generator Information				Call Parm	
Additional Gen Info Screens	Primary Scrambling Code: 0				Cell Power	
	Channel		Cell 1 DL Code Chan Info		Cell 2 DL Code Chan Info	
HSDPA Conn DL Channel Levels	Level (dB)		Level (dB)		-75.00 dBm/3.84 MHz	
	Channel	Current	Desired	QVSF	Chan Code	Channel Type
	CPICH:	-3.30	-3.30	256	0	HSPA
	P-CCPCH/SCH:	-5.30	-5.30	256	1	
HSDPA Conn DL Channel Levels	S-CCPCH:	-10.30	-10.30	64	7	Paging Service
	PICH:	-8.30	-8.30	256	16	RB Test Mode
	AGCH:	-9.90	-9.90	256	10	
HSPA Conn DL Channel Levels	HSPA Connected DL Channel Levels			Value		
	HSPA Cell 1 Connected CPICH Level			-10.00 dB		
	HSPA Cell 1 Connected P-CCPCH/SCH Level			-12.00 dB		
	HSPA Cell 1 Connected S-CCPCH Level			Off		
	HSPA Cell 1 Connected PICH Level			-15.00 dB		
	HSPA Cell 1 Connected (F-)DPCH Level			-10.00 dB		
	HSPA Cell 1 Connected E-AGCH Level			-20.00 dB		
AUGN Power Off	HSPA Cell 1 Connected E-HICH Level			-20.00 dB		
	HSPA Cell 1 Connected E-RGCH Level			Off		
Close Menu	HSPA Cell 1 Connected E-RGCH Level			Off		
	Background		Active Cell Idle		Sys Type: UTRA FDD	
				Logging: No Conn		
		IntRef Offset		1 of 3		

Set HSPA Conn DL Channel Levels : CPICH =-10dBm , P-CCPCH/SCH=-12dBm , PICH=15 , (F-)DPCH=-10 , E-AGCH=-20 , E-HICH=-20 , E-RGCH=off , HS-PDSCHs=-3dBm , HS-SCCH 1=-8dBm



Call Setup Screen						
DL Config	Generator Information					Call Parm
Additional Gen Info Screens	Primary Scrambling Code: 0					Cell Power
						-75.00
Conn S-CCPCH Cfg	Cell 1 DL Code Chan Info		Cell 2 DL Code Chan Info			dBm/3.84 MHz
	Channel	Level (dB)	Chan Code	Current	Desired	OVSF
On	CPICH:	-3.30	-3.30	256	0	Off
HS-SCCH Configs	P-CCPCH/SCH:	-5.30	-5.30	256	1	Off
	S-CCPCH:	-10.30	-10.30	64	7	
	PICH:	-8.30	-8.30	256	16	
	AICH:	-9.30	-9.30	256	10	
HS-SCCH Conf States						
HSDPA/HSPA OCHS Configs	HS-SCCH 1 Channel Config State					On
	HS-SCCH 2 Channel Config State					Off
	HS-SCCH 3 Channel Config State					Off
	HS-SCCH 4 Channel Config State					Off
DL Chan Code Preset Configs						34,121 Preset Call Configs
Close Menu						Channel (UARFCN) Parm
Background		Active Cell Idle		Sys Type: UTRA FDD		
		IntRef		Offset		
				Logging: No Conn		
				1 of 3		

Set HS-SCCH Configs : HS-SCCH 2=off , HS-SCCH 3=off , HS-SCCH 4=off

Call Setup Screen						
Call Control	Active Cell Operating Mode					HSUPA Parm
Close Menu	UE Information					HSUPA PS Data Setup
	IMSI: 001010123456789		Power Class: 3			HSUPA RB Test Mode Setup
	IMEI(SU):355791040039823(--)		Detected PRACH Sig: 0			
	Called Party Number:					Common HSUPA Parameters
	UE Expected Open Loop Transmit Power					
	Init PRACH TX Pou: -22.70 dBm		Init DPCH TX Pou: 17.99 dBm			Serving Grant
	Current Service Type					
	None					E-TFCI Recording
	HSUPA RB Test Mode Settings					
	RB Test Mode E-RGCH Information State					Off
RB E-DPDCH Max Channel Codes (12.2k + HSPA)					2SF4	
RB E-DPDCH Max Channel Codes (HSPA)					2SF2 + 2SF4	
E-DCH RLC SDU Size					8808	
RB Max Number of HARQ Retransmissions					7	
					Return	
Background		Active Cell Idle		Sys Type: UTRA FDD		
		IntRef		Offset		
				Logging: No Conn		
				1 of 2		

Set RB Test Mode Setup : E-RGCH Information State to Off , Set RB E-DPDCH Max Channel Codes (HSPA) to 2SF2 + 2SF4 , Set E-DCH RLC SDU Size to 8808



Call Setup Screen																					
Call Control	Active Cell Operating Mode	HSUPA Parm																			
Close Menu	UE Information INSI: 001010123456789 Power Class: 3 INEI(SU):355791040039823 (--) Detected PRACH Sig: 0 Called Party Number:		HSUPA PS Data Setup ▾																		
	UE Expected Open Loop Transmit Power Init PRACH TX Pou: -22.70 dBm Init DPCCH TX Pou: 17.99 dBm		HSUPA RB Test Node Setup ▾																		
	Current Service Type None		Common HSUPA Parameters ▾																		
	HSUPA Common Service Parameters																				
	<table border="1"> <thead> <tr> <th>HSUPA Common Service Parameters</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>E-DCH TTI</td> <td>2 ms</td> </tr> <tr> <td>E-DCH 16QAM State</td> <td>On</td> </tr> <tr> <td>E-DPCCH/DPCCH Power Offset (DeltaE-DPCCH)</td> <td>8</td> </tr> <tr> <td>Happy Bit Delay Condition</td> <td>100 ms</td> </tr> <tr> <td>Happy Bit Averaging Period</td> <td>1.000 s</td> </tr> <tr> <td>E-TFCI Table Index (10 ms TTI)</td> <td>0</td> </tr> <tr> <td>E-TFCI Table Index (2 ms TTI)</td> <td>0</td> </tr> <tr> <td>E-TFCI Table Index (2 ms TTI with 16QAM)</td> <td>2</td> </tr> </tbody> </table>		HSUPA Common Service Parameters	Value	E-DCH TTI	2 ms	E-DCH 16QAM State	On	E-DPCCH/DPCCH Power Offset (DeltaE-DPCCH)	8	Happy Bit Delay Condition	100 ms	Happy Bit Averaging Period	1.000 s	E-TFCI Table Index (10 ms TTI)	0	E-TFCI Table Index (2 ms TTI)	0	E-TFCI Table Index (2 ms TTI with 16QAM)	2	Serving Grant
	HSUPA Common Service Parameters	Value																			
	E-DCH TTI	2 ms																			
	E-DCH 16QAM State	On																			
	E-DPCCH/DPCCH Power Offset (DeltaE-DPCCH)	8																			
	Happy Bit Delay Condition	100 ms																			
	Happy Bit Averaging Period	1.000 s																			
	E-TFCI Table Index (10 ms TTI)	0																			
	E-TFCI Table Index (2 ms TTI)	0																			
	E-TFCI Table Index (2 ms TTI with 16QAM)	2																			
			E-TFCI Recording																		
		Return																			
Background Active Cell Idle Sys Type: UTRA FDD IntRef Offset Logging: No Conn		1 of 2																			

Set Common HSUPA Parameters : E-DCH TTI to 2 ms , E-DCH 16QAM State to On , E-DPCCH/DPCCH Power Offset (DeltaE-DPCCH)=8 , E-TFCI Table Index=2ms

Call Setup Screen																					
Call Control	Active Cell Operating Mode	HSUPA Parm																			
Close Menu	UE Information INSI: 001010123456789 Power Class: 3 INEI(SU):355791040039823 (--) Detected PRACH Sig: 0 Called Party Number:		HSUPA PS Data Setup ▾																		
	UE Expected Open Loop Transmit Power Init PRACH TX Pou: -22.70 dBm Init DPCCH TX Pou: 17.99 dBm		HSUPA RB Test Node Setup ▾																		
	Current Service Type None		Common HSUPA Parameters ▾																		
	HSUPA Common Service Parameters																				
	<table border="1"> <thead> <tr> <th>HSUPA Common Service Parameters</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>E-DCH Minimum Set E-TFCI Information State</td> <td>On</td> </tr> <tr> <td>E-DCH Minimum Set E-TFCI (10ms TTI)</td> <td>9</td> </tr> <tr> <td>E-DCH Minimum Set E-TFCI (2ms TTI)</td> <td>10</td> </tr> <tr> <td>Reference E-TFCI Power Offset Control</td> <td>Predefined</td> </tr> <tr> <td>Reference E-TFCI Power Offsets</td> <td>Def 34.121-04</td> </tr> <tr> <td>Scheduling Information Periodicity (No Grant)</td> <td>No Report</td> </tr> <tr> <td>Scheduling Information Periodicity (Grant)</td> <td>No Report</td> </tr> <tr> <td>E-HICH Behavior</td> <td>Active</td> </tr> </tbody> </table>		HSUPA Common Service Parameters	Value	E-DCH Minimum Set E-TFCI Information State	On	E-DCH Minimum Set E-TFCI (10ms TTI)	9	E-DCH Minimum Set E-TFCI (2ms TTI)	10	Reference E-TFCI Power Offset Control	Predefined	Reference E-TFCI Power Offsets	Def 34.121-04	Scheduling Information Periodicity (No Grant)	No Report	Scheduling Information Periodicity (Grant)	No Report	E-HICH Behavior	Active	Serving Grant
	HSUPA Common Service Parameters	Value																			
	E-DCH Minimum Set E-TFCI Information State	On																			
	E-DCH Minimum Set E-TFCI (10ms TTI)	9																			
	E-DCH Minimum Set E-TFCI (2ms TTI)	10																			
	Reference E-TFCI Power Offset Control	Predefined																			
	Reference E-TFCI Power Offsets	Def 34.121-04																			
	Scheduling Information Periodicity (No Grant)	No Report																			
	Scheduling Information Periodicity (Grant)	No Report																			
	E-HICH Behavior	Active																			
			E-TFCI Recording																		
		Return																			
Background Active Cell Idle Sys Type: UTRA FDD IntRef Offset Logging: No Conn		1 of 2																			

Set Common HSUPA Parameters : Reference E-TFCI Power Offset Control to Predefined Reference E-TFCI Power Offsets to Definition 34.121-04



Call Setup Screen																																																					
Call Control	Active Cell Operating Mode																																																				
Close Menu	<table border="1"> <thead> <tr> <th colspan="2">UE Information</th> </tr> </thead> <tbody> <tr> <td>INSI: 001010123456789</td> <td>Power Class: 3</td> </tr> <tr> <td>IMEI(SU):355791040039823 (--)</td> <td>Detected PRACH Sig: 0</td> </tr> <tr> <td colspan="2">Called Party Number:</td> </tr> <tr> <th colspan="2">UE Expected Open Loop Transmit Power</th> </tr> <tr> <td>Init PRACH TX Pou: -22.70 dBm</td> <td>Init DPCH TX Pou: 17.99 dBm</td> </tr> <tr> <th colspan="2">Current Service Type</th> </tr> <tr> <td colspan="2">None</td> </tr> <tr> <th colspan="2">HSUPA Common Service Parameters</th> </tr> <tr> <th colspan="2">Value</th> </tr> <tr> <td>Scheduling Information Periodicity (Grant)</td> <td>No Report</td> </tr> <tr> <td>E-HICH Behavior</td> <td>Active</td> </tr> <tr> <td>SRB Mac-d Flow Transmission Grant</td> <td>Non Scheduled</td> </tr> <tr> <td>E-TFCI Boost Information State</td> <td>On</td> </tr> <tr> <td>E-TFCI Boost Value</td> <td>105</td> </tr> <tr> <td>DeltaT2TP</td> <td>2</td> </tr> <tr> <td>BetaEd Gain E-AGCH Table Selection</td> <td>1</td> </tr> <tr> <td>E-DPDCH Power Calculation Formula</td> <td>Extrapolation</td> </tr> </tbody> </table>		UE Information		INSI: 001010123456789	Power Class: 3	IMEI(SU):355791040039823 (--)	Detected PRACH Sig: 0	Called Party Number:		UE Expected Open Loop Transmit Power		Init PRACH TX Pou: -22.70 dBm	Init DPCH TX Pou: 17.99 dBm	Current Service Type		None		HSUPA Common Service Parameters		Value		Scheduling Information Periodicity (Grant)	No Report	E-HICH Behavior	Active	SRB Mac-d Flow Transmission Grant	Non Scheduled	E-TFCI Boost Information State	On	E-TFCI Boost Value	105	DeltaT2TP	2	BetaEd Gain E-AGCH Table Selection	1	E-DPDCH Power Calculation Formula	Extrapolation	<table border="1"> <thead> <tr> <th colspan="2">HSUPA Parms</th> </tr> </thead> <tbody> <tr> <td>HSUPA PS Data Setup</td> <td>▽</td> </tr> <tr> <td>HSUPA RB Test Node Setup</td> <td>▽</td> </tr> <tr> <td>Common HSUPA Parameters</td> <td>▽</td> </tr> <tr> <td>Serving Grant</td> <td>↑</td> </tr> <tr> <td>E-TFCI Recording</td> <td></td> </tr> <tr> <td>Return</td> <td></td> </tr> </tbody> </table>	HSUPA Parms		HSUPA PS Data Setup	▽	HSUPA RB Test Node Setup	▽	Common HSUPA Parameters	▽	Serving Grant	↑	E-TFCI Recording		Return	
	UE Information																																																				
	INSI: 001010123456789	Power Class: 3																																																			
	IMEI(SU):355791040039823 (--)	Detected PRACH Sig: 0																																																			
	Called Party Number:																																																				
	UE Expected Open Loop Transmit Power																																																				
	Init PRACH TX Pou: -22.70 dBm	Init DPCH TX Pou: 17.99 dBm																																																			
	Current Service Type																																																				
	None																																																				
	HSUPA Common Service Parameters																																																				
Value																																																					
Scheduling Information Periodicity (Grant)	No Report																																																				
E-HICH Behavior	Active																																																				
SRB Mac-d Flow Transmission Grant	Non Scheduled																																																				
E-TFCI Boost Information State	On																																																				
E-TFCI Boost Value	105																																																				
DeltaT2TP	2																																																				
BetaEd Gain E-AGCH Table Selection	1																																																				
E-DPDCH Power Calculation Formula	Extrapolation																																																				
HSUPA Parms																																																					
HSUPA PS Data Setup	▽																																																				
HSUPA RB Test Node Setup	▽																																																				
Common HSUPA Parameters	▽																																																				
Serving Grant	↑																																																				
E-TFCI Recording																																																					
Return																																																					
	<table border="1"> <tr> <td>Background</td> <td>Active Cell</td> <td>Sys Type: UTRA FDD</td> </tr> <tr> <td></td> <td>Idle</td> <td>Logging: No Conn</td> </tr> <tr> <td></td> <td>IntRef</td> <td>Offset</td> </tr> </table>	Background	Active Cell	Sys Type: UTRA FDD		Idle	Logging: No Conn		IntRef	Offset	1 of 2																																										
Background	Active Cell	Sys Type: UTRA FDD																																																			
	Idle	Logging: No Conn																																																			
	IntRef	Offset																																																			

Set Common HSUPA Parameters : E-TFCI Boost Information State to On ,
 E-TFCI Boost Value to 105 , DeltaT2TP to 2 ,
 BetaEd Gain E-AGCH Table Selection to 1
 E-DPDCH Power Calculation Formula to Extrapolation

Call Setup Screen																																																			
Call Control	Active Cell Operating Mode																																																		
Operating Mode	<table border="1"> <thead> <tr> <th colspan="2">UE Information</th> </tr> </thead> <tbody> <tr> <td>INSI: 001010123456789</td> <td>Power Class: 3</td> </tr> <tr> <td>IMEI(SU):355791040039823 (--)</td> <td>Detected PRACH Sig: 0</td> </tr> <tr> <td colspan="2">Called Party Number:</td> </tr> <tr> <th colspan="2">UE Expected Open Loop Transmit Power</th> </tr> <tr> <td>Init PRACH TX Pou: -11.70 dBm</td> <td>Init DPCH TX Pou: -0.01 dBm</td> </tr> <tr> <th colspan="2">Current Service Type</th> </tr> <tr> <td colspan="2">None</td> </tr> <tr> <th colspan="2">Call Processing Status</th> </tr> <tr> <td>RRC State: Single Shot</td> <td>Power State: Off</td> </tr> <tr> <td>MM Status: Single Shot</td> <td>Node State: Off</td> </tr> <tr> <td>GM State: Pattern</td> <td>Offset: 0 chips</td> </tr> <tr> <th colspan="2">HSUPA Information</th> </tr> <tr> <td>Rep EDCH Cat: 14</td> <td>BSCH Cat: 14</td> </tr> <tr> <td>Last Happy Bit</td> <td>Ratio: 0 %</td> </tr> <tr> <td>Throughput: 533 kbps</td> <td>Transmitted: 11000</td> </tr> <tr> <td>ACKs Transmitted</td> <td></td> </tr> </tbody> </table>		UE Information		INSI: 001010123456789	Power Class: 3	IMEI(SU):355791040039823 (--)	Detected PRACH Sig: 0	Called Party Number:		UE Expected Open Loop Transmit Power		Init PRACH TX Pou: -11.70 dBm	Init DPCH TX Pou: -0.01 dBm	Current Service Type		None		Call Processing Status		RRC State: Single Shot	Power State: Off	MM Status: Single Shot	Node State: Off	GM State: Pattern	Offset: 0 chips	HSUPA Information		Rep EDCH Cat: 14	BSCH Cat: 14	Last Happy Bit	Ratio: 0 %	Throughput: 533 kbps	Transmitted: 11000	ACKs Transmitted		<table border="1"> <thead> <tr> <th colspan="2">Serving Grant</th> </tr> </thead> <tbody> <tr> <td>AG Mode</td> <td>Single Shot</td> </tr> <tr> <td>Single Shot AG</td> <td>14: (75/15)*2</td> </tr> <tr> <td>Send Single Shot Absolute Grant</td> <td></td> </tr> <tr> <td>RB Setup AG</td> <td>17: (75/15)*2</td> </tr> <tr> <td>AG Pattern Parameters</td> <td>▽</td> </tr> <tr> <td>Return</td> <td></td> </tr> </tbody> </table>	Serving Grant		AG Mode	Single Shot	Single Shot AG	14: (75/15)*2	Send Single Shot Absolute Grant		RB Setup AG	17: (75/15)*2	AG Pattern Parameters	▽	Return	
UE Information																																																			
INSI: 001010123456789	Power Class: 3																																																		
IMEI(SU):355791040039823 (--)	Detected PRACH Sig: 0																																																		
Called Party Number:																																																			
UE Expected Open Loop Transmit Power																																																			
Init PRACH TX Pou: -11.70 dBm	Init DPCH TX Pou: -0.01 dBm																																																		
Current Service Type																																																			
None																																																			
Call Processing Status																																																			
RRC State: Single Shot	Power State: Off																																																		
MM Status: Single Shot	Node State: Off																																																		
GM State: Pattern	Offset: 0 chips																																																		
HSUPA Information																																																			
Rep EDCH Cat: 14	BSCH Cat: 14																																																		
Last Happy Bit	Ratio: 0 %																																																		
Throughput: 533 kbps	Transmitted: 11000																																																		
ACKs Transmitted																																																			
Serving Grant																																																			
AG Mode	Single Shot																																																		
Single Shot AG	14: (75/15)*2																																																		
Send Single Shot Absolute Grant																																																			
RB Setup AG	17: (75/15)*2																																																		
AG Pattern Parameters	▽																																																		
Return																																																			
Originating Call																																																			
Paging Parameters																																																			
Handovers																																																			
Clear UE Info																																																			
	<table border="1"> <tr> <td>Background</td> <td>Active Cell</td> <td>Sys Type: UTRA FDD</td> </tr> <tr> <td></td> <td>Idle</td> <td>Logging: No Conn</td> </tr> <tr> <td></td> <td>IntRef</td> <td>Offset</td> </tr> </table>	Background	Active Cell	Sys Type: UTRA FDD		Idle	Logging: No Conn		IntRef	Offset	1 of 2																																								
Background	Active Cell	Sys Type: UTRA FDD																																																	
	Idle	Logging: No Conn																																																	
	IntRef	Offset																																																	

Set Serving Grant : AG Mode= Single Shot , Set RB Setup AG=74(75/15)



Call Setup Screen						
Screen Ctrl	Recorded E-TFCI Information					E-TFCI Record
Channel (UARFCN) Info	E-TFCI Recording State Idle					E-TFCI Recording Parameters ▾
HSPA Information	Current E-TFCI Boost 105					Start Recording E-TFCI Values
E-TFCI Recording Information	Recorded E-TFCI Values					
	1:----	11:----	21:----	31:----	41:----	
	2:----	12:----	22:----	32:----	42:----	
	3:----	13:----	23:----	33:----	43:----	
	4:----	14:----	24:----	34:----	44:----	
	5:----	15:----	25:----	35:----	45:----	
	6:----	16:----	26:----	36:----	46:----	
	7:----	17:----	27:----	37:----	47:----	
	8:----	18:----	28:----	38:----	48:----	
	9:----	19:----	29:----	39:----	49:----	
	10:----	20:----	30:----	40:----	50:----	
Clear UE Info	0/15					Send Step Up TPC Bit Pattern
Return						Send Step Down TPC Bit Pattern
						Return
	Background	Active Cell		Sys Type: UTRA FDD		
		Idle		Logging: No Conn		
		IntRef	Offset			

Example: Confirm that E-TFCI is equal to the target E-TFCI of 105 for sub-test 1



Reference:

- [1] 941225 D01 SAR test for 3G devices v02, SAR Measurement Procedures for 3G Devices CDMA 2000/Ev-Do/WCDMA/HSDPA/HSPA Oct. 2007 Laboratory Division Office of Engineering and Technology Federal Communications Commission
- [2.] TS 34.121 Universal Mobile Telecommunications System (UMTS); Terminal Conformance Specification, Radio Transmission and Reception (FDD)
- [3.] HSUPA Measurement Guide with 8960 V7.5.0 Release 7 (2007-06) Ver.: v.02.18