3GPP TSG RAN Meeting #28 Quebec, Canada, 1 - 3 June 2005

RP-050201

Title CRs (R99 and Cat A to later Releases) to 25.101

Source 3GPP TSG RAN WG4 (Radio)

Agenda Item 7.5.3

WG Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R4-050326	25.133	733		F	R99	3.20.0	Removing of event triggered reporting testcase in fading A.8.1.4	TEI
R4-050394	25.133	744		F	R99	3.20.0	Removal of UTRA carrier RSSI relative accuracy testcase	TEI
R4-050395	25.133	745		Α	Rel-4	4.14.0	Removal of UTRA carrier RSSI relative accuracy testcase	TEI
R4-050396	25.133	746		Α	Rel-5	5.14.0	Removal of UTRA carrier RSSI relative accuracy testcase	TEI

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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

A.8.1 FDD intra frequency measurements

A.8.1.1 Event triggered reporting in AWGN propagation conditions

A.8.1.1.1 Test Purpose and Environment

The purpose of this test is to verify that the UE makes correct reporting of an event. This test will partly verify the requirements in section 8.1.2 and 9.1.

The test parameters are given in Table A.8.1 and A.8.2 below. In the measurement control information it is indicated to the UE that event-triggered reporting with Event 1A and 1B shall be used and that CPICH Ec/Io and SFN-CFN observed time difference shall be reported together with Event 1A. The test consists of four successive time periods, with a time duration of T1, T2 T3 and T4 respectively. During time duration T1, the UE shall not have any timing information of cell 2.

Table A.8.1: General test parameters for Event triggered reporting in AWGN propagation conditions

Parameter	Unit	Value	Comment
DCH parameters		DL Reference Measurement Channel 12.2 kbps	As specified in TS 25.101 section A.3.1
Power Control		On	
Active cell		Cell 1	
Reporting range	dB	3	Applicable for event 1A and 1B
Hysteresis	dB	0	
W		0	Applicable for event 1A and 1B
Reporting deactivation threshold		0	Applicable for event 1A
Time to Trigger	ms	0	
Filter coefficient		0	
Monitored cell list size		24	
T1	S	5	
T2	S	5	
T3	S	1	
T4	s	5	

Table A.8.2: Cell specific test parameters for Event triggered reporting in AWGN propagation conditions

Parameter	Unit		С	ell 1			C	ell 2			
		T1	T2	T3	T4	T1	T2	T3	T4		
CPICH_Ec/lor	dB			-10			-	10			
PCCPCH_Ec/lor	dB			-12		-12					
SCH_Ec/lor	dB			-12		-12					
PICH_Ec/lor	dB			-15		-15					
DPCH_Ec/lor	dB	Note 1				N/A Note 1					
OCNS			Note 2 -0.941		-0.941 Note 2						
\hat{I}_{or}/I_{oc}	dB	0	6.97	6.97	0	-Infinity	5.97	5.97	-Infinity		
I_{oc}	dBm/3.84 MHz					-70			•		
CPICH_Ec/lo	dB	-13	-13	-13	-13	-Infinity	-14	-14	-Infinity		
Propagation		AWGN									
Condition											
Note 1 The DF	Note 1 The DPCH level is controlled by the power control loop										
Note 2 The por	Note 2 The power of the OCNS channel that is added shall make the total power from the cell to be equal to I_{or}										

The test shall be performed in the following way:

During time period T1:

The test is started at the beginning of T1 with cell 1 active.

During time period T2:

UTRAN shall after the Event 1A triggered measurement is reported send an Active Set Update command with activation time "start of T3" adding cell 2 to the active set.

The Active Set Update message shall be sent to the UE so that the whole message is available at the UE the RRC procedure delay prior to the beginning of T3.

A.8.1.1.2 Test Requirements

The UE shall send one Event 1A triggered measurement report, with a measurement reporting delay less than 800 ms from the beginning of time period T2.

The UE shall send one Event 1B triggered measurement report, with a measurement reporting delay less than 200 ms from the beginning of time period T4.

The UE shall not send event triggered measurement reports, as long as the reporting criteria are not fulfilled.

The rate of correct events observed during repeated tests shall be at least 90%.

A.8.1.2 Event triggered reporting of multiple neighbours in AWGN propagation condition

A.8.1.2.1 Test Purpose and Environment

The purpose of this test is to verify that the UE makes correct reporting of events. This test will partly verify the requirements in section 8.1.2 and 9.1.

The test parameters are given in Table A.8.3 and A.8.4. In the measurement control information it is indicated to the UE that event-triggered reporting with Event 1A, 1C and 1B shall be used and the periodical reporting of the events is not applied. The CPICH Ec/Io and SFN-CFN observed time difference shall be reported together with Event 1A. The test consists of six successive time periods, with a time duration of T1, T2, T3, T4, T5 and T6 respectively. In the initial condition before the time T1 only Cell1 is active.

Table A.8.3: General test parameters for Event triggered reporting of multiple neighbours in AWGN propagation conditions

Parameter	Unit	Value	Comment
DCH parameters		DL Reference Measurement Channel 12.2 kbps	As specified in TS 25.101 section A.3.1
Power Control		On	
Active cell		Cell 1	
Reporting range	dB	3	Applicable for event 1A and 1B
Hysteresis	dB	0	
W		0	Applicable for event 1A and 1B
Replacement activation threshold		0	Applicable for event 1C
Reporting deactivation threshold		0	Applicable for event 1A
Time to Trigger	ms	0	
Filter coefficient		0	
Monitored cell list		32	
size			
T1	S	10	
T2	S	1	
T3	S	10	
T4	S	4	
T5	S	1	
T6	S	10	

Table A.8.4: Cell specific test parameters for Event triggered reporting of multiple neighbours in AWGN propagation condition

Parameter	Unit		Cell 1					Се	II 2				Ce	ell3		
		T1 T2	T3	T4	T5	T6	T1 T2	T3	T4 T5	T6	T1	T2	T3	T4	T5	T6
CPICH_Ec/lor	dB		-1	10				-1	0				-1	10		
PCCPCH_Ec/lor	dB		-1	2			-12					-12				
SCH_Ec/lor	dB		-1	2			-12					-12				
PICH_Ec/lor	dB		-1	15				-1	15				-1	15		
DPCH_Ec/lor	dB		Not	te 1				N	/A		N/ A	' I NOTE 1 I N/A				/A
OCNS_Ec/lor	dB		Not	te 2			-0.941					-0.	-0.941			
			Cell 1					Cell 2					Ce	ell3	-0.941 T5 T6 5. 62	
		T1 T2	T3	T4	T5	T6	T1 T2	T3	T4 T5	T6	T1	T2	T3	T4	T5	
\hat{I}_{or}/I_{oc}	dB	6.97	6. 93	5.9	97	6. 12	-Inf	9.4	6.97	7. 62	5.	97	6. 93	-	Inf	
I_{oc}	dBm/ 3.84 MHz							-{	35							
CPICH_Ec/lo	dB	-13	-13									Inf	- 16			
Propagation Condition	AWGN															
Note 1 The DPCH level is controlled by the power control loop Note 2 The power of the OCNS channel that is added shall make the total power from the cell to be equal to I _{or}																

The test shall be performed in the following way:

During time period T1:

The test is started at the beginning of T1 with cell 1 active.

UTRAN shall after the Event 1A triggered measurement is reported send an Active Set Update command with activation time "start of T2" adding cell 3 to the active set.

The Active Set Update message shall be sent to the UE so that the whole message is available at the UE the RRC procedure delay prior to the beginning of T2.

During time period T4:

UTRAN shall after the Event 1B triggered measurement is reported send an Active Set Update command with activation time "start of T5" removing cell 3 from the active set.

The Active Set Update message shall be sent to the UE so that the whole message is available at the UE the RRC procedure delay prior to the beginning of T5.

A.8.1.2.2 Test Requirements

- a) The UE shall send one Event 1A triggered measurement report for Cell3, with a measurement reporting delay less than 800 ms from the beginning of time period T1.
- b) The UE may send one Event 1C triggered measurement report for Cell3 after the beginning of the time period T1
- c) The UE shall send one Event 1C triggered measurement report for Cell2, with a measurement reporting delay less than 800 ms from the beginning of time period T3.
- d) The UE shall send one Event 1A triggered measurement report for Cell2, with a measurement reporting delay less than 800 ms from the beginning of time period T3.
- e) The UE shall send one Event 1B triggered measurement report for Cell3, with a measurement reporting delay less than 200 ms from the beginning of time period T4.
- f) The UE shall send one Event 1A triggered measurement report for Cell3, with a measurement reporting delay less than 200 ms from the beginning of time period T6.
- g) The UE may send one Event 1C triggered measurement report for Cell2 after the beginning of the time period T6.
- h) The UE may send one Event 1C triggered measurement report for Cell3 after the beginning of the time period T6.
- i) The UE shall not send event triggered measurement reports, as long as the reporting criteria are not fulfilled.

The rate of correct events observed during repeated tests shall be at least 90%.

A.8.1.3 Event triggered reporting of two detectable neighbours in AWGN propagation condition

A.8.1.3.1 Test Purpose and Environment

The purpose of this test is to verify that the UE makes correct reporting of events. This test will partly verify the requirements in section 8.1.2 and 9.1.

The test parameters are given in Table A.8.5 and A.8.6. In the measurement control information it is indicated to the UE that event-triggered reporting with Event 1A and 1B shall be used and the periodical reporting of the events is not applied. The CPICH Ec/Io and SFN-CFN observed time difference shall be reported together with Event 1A. The test consists of five successive time periods, with a time duration of T1, T2, T3, T4 and T5 respectively. In the initial condition before the time T1 only Cell1 is active.

Table A.8.5: General test parameters for Event triggered reporting of two detectable neighbours in AWGN propagation condition

Parameter	Unit	Value	Comment
DCH parameters		DL Reference Measurement	As specified in TS 25.101 section A.3.1
		Channel 12.2 kbps	·
Power Control		On	
Active cell		Cell 1	
Reporting range	dB	3	Applicable for event 1A and 1B
Hysteresis	dB	0	
W		0	Applicable for event 1A and 1B
Reporting deactivation		0	Applicable for event 1A
threshold			
Time to Trigger	ms	0	
Filter coefficient		0	
Monitored cell list size		32	
T1	S	10	
T2	S	10	
T3	S	1	
T4	S	10	
T5	S	10	

Table A.8.6: Cell specific test parameters for Event triggered reporting of two detectable neighbours in AWGN propagation condition

Parameter	Unit	Cell 1							Cell	2				Cell3	T4 T5			
]	T1	T2	T3	T4	T5	T1	T2	T3	T4	T5	T1	T2	T3	T4	T5		
CPICH_Ec/lor	dB			-10			-10					-10						
PCCPCH_Ec/ lor	dB		-12					-12					-12					
SCH_Ec/lor	dB			-12				-12					-12					
PICH_Ec/lor	dB		-15						-15				-15					
DPCH_Ec/lor	dB		Note 1					/A		Note 1		N/A						
OCNS_Ec/lor	dB		١	Note 2			-0.9	941	Note 2			-0.941						
\hat{I}_{or}/I_{oc}	dB	14. 55	28.51		14.4 5	28. 51	-Inf	27.5	I	13.9 5	21.5 1	8.05	21.5	1	13 .9 5	27.5 1		
I_{oc}	dBm/ 3.84 MHz			•					-85									
CPICH_Ec/lo	dB	-11	-13		- 14.5	-13	-Inf	-14.0		-15	-20	-17.5	-20		- 15	-14		
Propagation Condition			AWGN															
Note 1: The I	The DPCH level is controlled by the power control loop																	

Note 2: The power of the OCNS channel that is added shall make the total power from the cell to be equal to I_{or}

The test shall be performed in the following way:

During time period T1:

The test is started at the beginning of T1 with cell 1 active.

During time period T2:

UTRAN shall after the Event 1A triggered measurement is reported send an Active Set Update command with activation time "start of T3" adding cell 2 to the active set.

The Active Set Update message shall be sent to the UE so that the whole message is available at the UE the RRC procedure delay prior to the beginning of T3.

A.8.1.3.2 Test Requirements

a) The UE shall send one Event 1A triggered measurement report for Cell2, with a measurement reporting delay less than 800 ms from the beginning of time period T2.

- b) The UE shall send one Event 1A triggered measurement report for Cell3, with a measurement reporting delay less than 200 ms from the beginning of time period T4.
- c) The UE shall send one Event 1B triggered measurement report for Cell2, with a measurement reporting delay less than 200 ms from the beginning of time period T5.
- d) The UE shall not send event triggered measurement reports, as long as the reporting criteria are not fulfilled.

The rate of correct events observed during repeated tests shall be at least 90%.

A.8.1.4 Correct reporting of neighbours in fading propagation condition

A.8.1.4.1 Test Purpose and Environment

The purpose of this test is to verify that the UE performs sufficient layer 1 filtering of the measurements, see section 9.1, which are the base for the event evaluation. The test is performed in fading propagation conditions. This test will partly verify the requirements in section 8.1.2.

The test parameters are given in Table A.8.7 and A.8.8.In the measurement control information it is indicated to the UE-that event triggered reporting with Event 1A and Event 1B shall be used and that CPICH Ec/Io and SFN CFN observed-time difference shall be reported together with Event 1A. The test consists of two successive time periods, each with a time duration of T1, T2 and T3 respectively.

The TTI of the uplink DCCH shall be 20ms.

Table A.8.7: General test parameters for correct reporting of neighbours in fading propagation condition

Parameter	Unit	Value	Comment
DCH parameters		DL Reference Measurement Channel	As specified in TS 25.101 section A.3.1
		12.2 kbps	
Power Control		On	
Active cell		Cell 1	
Reporting range	d₽	0	Applicable for event 1A and 1B
Hysteresis	d₽	0	
₩		4	Applicable for event 1A and 1B
Reporting deactivation		0	Applicable for event 1A
threshold			
Time to Trigger	ms	120	
Filter coefficient		0	
Monitored cell list size		24	Signalled before time T1.
T4	S	200	
T2	S	4	
13	S	201	

Table A.8.8: Cell specific test parameters for correct reporting of neighbours in fading propagation condition

Parameter Parameter	Unit		Cell 1			Cell 2				
		T1	T2	T3	T1	T2	T3			
CPICH_Ec/lor	d₿	-10			-10					
PCCPCH_Ec/lor	d₿	-12			-12					
SCH_Ec/lor	d₿	-12			-12					
PICH_Ec/lor	d₿	-15			-15					
DPCH_Ec/lor	d₿	Note 1			N/A	Note 1				
OCNS		Note 2			-0.941	Note 2				
$\frac{\hat{I}_{or}/I_{oc}}{I_{oc}}$	d₿	7.29		3.29	3.29		7.29			
I oc	dBm/3.84 MHz			-7 ()					
CPICH_Ec/lo	d₽	-12		-16	-16		-12			
Propagation- Condition-	Case 5 as spe	cified in Ann	ex B of TS	25.101						
Note 1 The DPCH level is controlled by the power control loop										
	er of the OCNS	channel that	is added s	hall make t	the total po	wer from the	he cell to			
be equal to l_{ef}										

The test shall be performed in the following way:

During time period T1:

The test is started at the beginning of T1 with cell 1 active.

UTRAN shall during T1 send an Active Set Update command with activation time "start of T2" adding cell 2 to the active set.

The Active Set Update message shall be sent to the UE so that the whole message is available at the UE the RRC-procedure delay prior to the beginning of T2.

A.8.1.4.2 Test Requirements

- a) The number of received event 1A reports during time period T1 shall be less than 60.
- b) During the first 1 s of time period T3 no event reports shall be counted.
- c) The number of received event 1B reports counted from 1s after the beginning of time period T3 until the end of time period T3 shall be less than 60.

R4-050394

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Other comments:

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- 1) Fill out the above form. The symbols above marked \(\mathcal{H} \) contain pop-up help information about the field that they are closest to.
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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

A.9.1.3 UTRA Carrier RSSI

A.9.1.3.1 Test Purpose and Environment

The purpose of this test is to verify that the UTRA Carrier RSSI measurement accuracy is within the specified limits. This test will verify the requirements in section 9.1.3. In this case both cells are in different frequency and compressed mode is applied. The gap length is 7, detailed definition is in TS 25.101 annex A.5, Set 1 of Table A.22. UTRA Carrier RSSI accuracy requirements are tested by using test parameters in Table A.9.5.

Table A.9.5: UTRA Carrier RSSI Inter frequency test parameters

Parameter	Unit	Tes	st 1	Tes	st 2	Tes	st 3
raiailletei	Onit	Cell 1	Cell 2	Cell 1	Cell 2	Cell 1	Cell 2
UTRA RF Channel number		Channel 1	Channel 2	Channel 1	Channel 2	Channel 1	Channel 2
CPICH_Ec/lor	dB	-1	10	-1	0	-1	10
PCCPCH_Ec/lor	dB	-1	12	-1	2	-1	12
SCH_Ec/lor	dB	-1	12	-1	2	-12	
PICH_Ec/lor	dB	-15		-1	5	-1	15
DPCH_Ec/lor	dB	-15	-	-6	-	-6	-
OCNS_Ec/lor	dB	-1.11	-0.94	-2.56	-0.94	-2.56	-0.94
loc	dBm/ 3.84 MHz	-52.22	-52.22	-70.27	-70.27	-94.46	-94.46
Îor/loc	dB	-1.75	-1.75	-4.7	-4.7	-9.54	-9.54
CPICH Ec/Io, Note 1	dBm	-14.0	-14.0	-16.0	-16.0	-20.0	-20.0
Io, Note 1	dBm/3.84 MHz	-50	-50	-69	-69	-94	-94
Propagation condition			'GN	AW	GN	AW	GN

NOTE 1: CPICH Ec/lo and lo levels have been calculated from other parameters for information purposes. They are not settable parameters themselves.

Tests shall be done sequentially. Test 1 shall be done first. After test 1 has been executed test parameters for tests 2 and 3 shall be set within 5 seconds so that UE does not loose the Cell 2 in between the tests.

A.9.1.3.2 Test Requirements

The UTRA Carrier RSSI measurement accuracy shall meet the requirements in section 9.1.3. The effect of assumed thermal noise and noise generated in the receiver (–99 dBm) shall be added into the required <u>absolute</u> accuracy defined in Section 9.1.2-9.1.3 as shown in Table A.9.5A.

Table A.9.5A: UTRA Carrier RSSI absolute and relative accuracy

		Accura	Conditions	
Parameter	Unit	Normal condition	Extreme condition	lo [dBm/3.84 MHz]
	dBm	-45.2	-78.2	-9487
UTRA Carrier RSSI	dBm	± 4	± 7	-8770
	dBm	± 6	± 9	-7050

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How to create CRs using this form:

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- 1) Fill out the above form. The symbols above marked \(\mathcal{H} \) contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

A.9.1.3 UTRA Carrier RSSI

A.9.1.3.1 Test Purpose and Environment

The purpose of this test is to verify that the UTRA Carrier RSSI measurement accuracy is within the specified limits. This test will verify the requirements in section 9.1.3. In this case both cells are in different frequency and compressed mode is applied. The gap length is 7, detailed definition is in TS 25.101 annex A.5, Set 1 of Table A.22. UTRA Carrier RSSI accuracy requirements are tested by using test parameters in Table A.9.5.

Table A.9.5: UTRA Carrier RSSI Inter frequency test parameters

Parameter	Unit	Tes	st 1	Tes	st 2	Test 3	
raiailletei	Onit	Cell 1	Cell 2	Cell 1	Cell 2	Cell 1	Cell 2
UTRA RF Channel number		Channel 1	Channel 2	Channel 1	Channel 2	Channel 1	Channel 2
CPICH_Ec/lor	dB	-1	0	-1	0	-1	0
PCCPCH_Ec/lor	dB	-1	12	-1	2	-1	12
SCH_Ec/lor	dB	-1	12	-1	2	-12	
PICH_Ec/lor	dB	-15		-15		-15	
DPCH_Ec/lor	dB	-15	-	-6	-	-6	-
OCNS_Ec/lor	dB	-1.11	-0.94	-2.56	-0.94	-2.56	-0.94
loc	dBm/ 3.84 MHz	-52.22	-52.22	-70.27	-70.27	-94.46	-94.46
Îor/loc	dB	-1.75	-1.75	-4.7	-4.7	-9.54	-9.54
CPICH Ec/Io, Note 1	dBm	-14.0	-14.0	-16.0	-16.0	-20.0	-20.0
Io, Note 1	dBm/3.84 MHz	-50	-50	-69	-69	-94	-94
Propagation condition			GN	AW	GN	AWGN	

NOTE 1: CPICH Ec/lo and lo levels have been calculated from other parameters for information purposes. They are not settable parameters themselves.

Tests shall be done sequentially. Test 1 shall be done first. After test 1 has been executed test parameters for tests 2 and 3 shall be set within 5 seconds so that UE does not loose the Cell 2 in between the tests.

A.9.1.3.2 Test Requirements

The UTRA Carrier RSSI measurement accuracy shall meet the requirements in section 9.1.3. The effect of assumed thermal noise and noise generated in the receiver (–99 dBm) shall be added into the required <u>absolute</u> accuracy defined in Section <u>9.1.2</u> <u>9.1.3</u> as shown in Table A.9.5A.

Table A.9.5A: UTRA Carrier RSSI absolute and relative accuracy

		Accura	Conditions	
Parameter	Unit	Normal condition	Extreme condition	lo [dBm/3.84 MHz]
	dBm	-45.2	-78.2	-9487
UTRA Carrier RSSI	dBm	± 4	± 7	-8770
	dBm	± 6	± 9	-7050

R4-050396

3GPP TSG RAN WG4 (Radio) Meeting #35

Athens, Greece 9 - 13 May 2005

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How to create CRs using this form:

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A.9.1.3 UTRA Carrier RSSI

A.9.1.3.1 Test Purpose and Environment

The purpose of this test is to verify that the UTRA Carrier RSSI measurement accuracy is within the specified limits. This test will verify the requirements in section 9.1.3. In this case both cells are in different frequency and compressed mode is applied. The gap length is 7, detailed definition is in TS 25.101 annex A.5, Set 1 of Table A.22. UTRA Carrier RSSI accuracy requirements are tested by using test parameters in Table A.9.5.

Table A.9.5: UTRA Carrier RSSI Inter frequency test parameters

Parameter		Unit	Tes	st 1	Tes	st 2	Test 3		
		Unit	Cell 1	Cell 2	Cell 1	Cell 2	Cell 1	Cell 2	
UTRA RF Channel number			Channel 1	Channel 2	Channel 1	Channel 2	Channel 1	Channel 2	
CPICH_Ec	/lor	dB	-1	0	-1	0	-1	0	
PCCPCH_	Ec/lor	dB	-1	2	-1	2	-1	2	
SCH_Ec/lo	r	dB	-1	2	-1	2	-1	2	
PICH_Ec/ld	or	dB	-1	5	-1	5	-15		
DPCH_Ec/	lor	dB	-15	-	-6	-	-6	-	
OCNS_Ec/	lor	dB	-1.11	-0.94	-2.56	-0.94	-2.56	-0.94	
	Band I	dDm/2.04					-94.46	-94.46	
loc	Band II	dBm/ 3.84 MHz	-52.22	-52.22	-70.27	-70.27	-92.46	-92.46	
	Band III	IVII IZ					-91.46	-91.46	
Îor/loc		dB	-1.75	-1.75	-4.7	-4.7	-9.54	-9.54	
CPICH Ec/	lo, Note 1	dBm	-14.0	-14.0	-16.0	-16.0	-20.0	-20.0	
	Band I	dDm/2.04					-94	-94	
Io, Note 1	Band II	dBm/3.84 MHz	-50	-50	-69	-69	-92	-92	
	Band III	IVI□∠					-91	-91	
Propagatio	n condition	-	AW	GN	AW	'GN	AWGN		

NOTE 1: CPICH Ec/lo and lo levels have been calculated from other parameters for information purposes. They are not settable parameters themselves.

Tests shall be done sequentially. Test 1 shall be done first. After test 1 has been executed test parameters for tests 2 and 3 shall be set within 5 seconds so that UE does not loose the Cell 2 in between the tests.

A.9.1.3.2 Test Requirements

The UTRA Carrier RSSI measurement accuracy shall meet the <u>absolute</u> requirements in section 9.1.3. The effect of assumed thermal noise and noise generated in the receiver (–99 dBm for frequency band I, -97dBm for frequency band II and –96dBm for frequency band III) shall be added into the required accuracy defined in Section <u>9.1.2 9.1.3</u> as shown in Table A.9.5A and Table A.9.5A1.

Table A.9.5A: UTRA Carrier RSSI absolute accuracy

		Accuracy [dB]		Conditions				
Parameter	Unit	Normal condition	Extreme condition	lo [dBm/3.84 MHz]				
UTRA Carrier RSSI	DBm	±4 (Note 1)	±7 (Note 1)	-9470 (Band I) -9270 (Band II) -9170 (Band III)				
	DBm	± 6	± 9	-7050				
Note 1: Imp	Note 1: Impact from DE point floor is test cose dependent and has not been considered. Noise floor							

Note 1: Impact from RF noise floor is test case dependent and has not been considered. Noise floor shall be considered in T1 test case

Table A9.5A1: UTRA Carrier RSSI relative accuracy

		Accura	acy [dB]	Conditions			
Parameter	Unit	Normal condition	Extreme condition	lo [dBm/3.84 MHz]			
UTRA Carrier RSSI	DBm	± 7 (Note 1)	± 11(Note 1)	-9170 (Band I) - 9270 (Band II) - 9170 (Band III)			
Note 1: Impact from RF noise floor is test case dependent and has not been considered. Noise floor							