

**TSG RAN Meeting #23**  
**Phoenix, US, 10 - 12 March 2004**

**RP-040035**

**Title** CRs (Rel-4 and Rel-5/Rel-6 Category A) to TS25.123 on "Test case for SFN-SFN observed time difference type 2 for 1.28Mcps TDD"  
**Source** TSG RAN WG4  
**Agenda Item** 7.5.4

RAN4 Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R4-040138	25.123	334	1	F	Rel-4	4.11.0	Test case for SFN-SFN observed time difference type 2 for 1.28Mcps TDD	LCRTDD-RF
R4-040139	25.123	335	1	A	Rel-5	5.7.0	Test case for SFN-SFN observed time difference type 2 for 1.28Mcps TDD	LCRTDD-RF
R4-040140	25.123	336	1	A	Rel-6	6.0.0	Test case for SFN-SFN observed time difference type 2 for 1.28Mcps TDD	LCRTDD-RF

# CHANGE REQUEST

⌘ **25.123 CR 334** ⌘ rev **1** ⌘ Current version: **4.11.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Test case for SFN-SFN observed time difference type 2 for 1.28Mcps TDD		
<b>Source:</b>	⌘ RAN WG4		
<b>Work item code:</b>	⌘ LCRTDD-RF	<b>Date:</b>	⌘ 23/02/2004
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-4
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)	<b>2</b> (GSM Phase 2)	
	<b>A</b> (corresponds to a correction in an earlier release)	<b>R96</b> (Release 1996)	
	<b>B</b> (addition of feature),	<b>R97</b> (Release 1997)	
	<b>C</b> (functional modification of feature)	<b>R98</b> (Release 1998)	
	<b>D</b> (editorial modification)	<b>R99</b> (Release 1999)	
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		<b>Rel-4</b> (Release 4)
			<b>Rel-5</b> (Release 5)
			<b>Rel-6</b> (Release 6)

<b>Reason for change:</b>	⌘ There is no test case specified for SFN-SFN observed time difference type 2 measurement for 1.28Mcps TDD UE at present, so UE measurement accuracy can't be guaranteed and UE's performance can't be assured to be proper.
<b>Summary of change:</b>	⌘ 1.28Mcps TDD test case for UE SFN-SFN observed time difference type 2 measurement is filled in A.9.2.8.2.
<b>Consequences if not approved:</b>	⌘ The performance requirement on the UE SFN-SFN observed time difference type 2 measurement can't be tested, so UE measurement accuracy can't be guaranteed and UE's performance can't be assured to be proper.

<b>Clauses affected:</b>	⌘ A.9.2.8.2										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> <td style="padding: 2px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other core specifications	⌘ 34.122
	Y	N									
	<input type="checkbox"/>	<input type="checkbox"/>									
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<input type="checkbox"/>	<input type="checkbox"/>										
<input checked="" type="checkbox"/>	Test specifications										
<input type="checkbox"/>	O&M Specifications										
<b>Other comments:</b>	⌘ Equivalent CRs in other Releases: CR335r1 cat. A to 25.123 v5.7.0, CR336r1 cat. A to 25.123 v6.0.0										

**How to create CRs using this form:**

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
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## A.9.2.8.2 SFN-SFN observed time difference type 2

~~NOTE: This section is included for consistency with numbering in section 9, currently no test covering requirements on SFN-SFN observed time difference type 2 in sections 9.1.1.8 exists.~~

### A.9.2.8.2.1 Test Purpose and Environment

The purpose of this test is to verify that the SFN-SFN observed time difference type 2 measurement accuracy is within the specified limits. This test will verify the requirements in section 9.1.1.8.

Cell 1 and cell 2 shall be synchronised and share the same frame timing. During the test, the timing difference between cell 1 and cell 2 can be set to valid values in the rang from -432 to 432 chip.

The DL DPCH shall be transmitted in timeslot 4 and the UL DPCH shall be transmitted in timeslot 2.

#### A.9.2.8.2.1.1 Intra frequency test parameters

In this case all cells are on the same frequency. The SFN-SFN observed time difference type 2 accuracy requirements in the intra-frequency case are tested by using test parameters in Table A.9.17A.

**Table A.9.17A: SFN-SFN observed time difference type 2 Intra frequency test parameters**

		<b>Test 1</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 1	
PCCPCH Ec/Ior	dB	-3		-3	
DwPCH Ec/Ior	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	5		2	
$I_{oc}$	dBm/1.28 MHz	-76.6			
PCCPCH RSCP, Note 1	dBm	-74.6		-77.6	
Io, Note 1	dBm/1.28 MHz	-69			
Propagation condition		AWGN			
		<b>Test 2</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 1	
PCCPCH Ec/Ior	dB	-3		-3	
DwPCH Ec/Ior	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	9		2	
$I_{oc}$	dBm/1.28 MHz	-60.2			
PCCPCH RSCP, Note 1	dBm	-54.2		-61.2	
Io, Note 1	dBm/1.28 MHz	-50			
Propagation condition		AWGN			
		<b>Test 3</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 1	
PCCPCH Ec/Ior	dB	-3		-3	
DwPCH Ec/Ior	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	5		3	
$I_{oc}$	dBm/1.28 MHz	-101.9			
PCCPCH RSCP, Note 1	dBm	-99.9		-101.9	
Io, Note 1	dBm/1.28 MHz	-94			
Propagation condition		AWGN			
NOTE 1: PCCPCH RSCP and Io levels have been calculated from other parameters for information purposes. They are not settable parameters themselves.					

**A.9.2.8.2.1.2 Inter frequency test parameters**

In this case all cells in the test are on different frequencies. The SFN-SFN observed time difference type 2 accuracy requirements in the inter-frequency case are tested by using test parameters in Table A.9.18A.

**Table A.9.18A: SFN-SFN observed time difference type 2 Inter frequency tests parameters**

		<b>Test 1</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 2	
PCCPCH Ec/lor	dB	-3		-3	
DwPCH Ec/lor	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	5		5	
$I_{oc}$	dBm/1.28 MHz	-75.2		-75.2	
PCCPCH RSCP, Note 1	dBm	-73.2		-73.2	
Io, Note 1	dBm/1.28 MHz	-69			
Propagation condition		AWGN			
		<b>Test 2</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 2	
PCCPCH Ec/lor	dB	-3		-3	
DwPCH Ec/lor	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	7		2	
$I_{oc}$	dBm/1.28 MHz	-57.8		-54.1	
PCCPCH RSCP, Note 1	dBm	-53.8		-55.1	
Io, Note 1	dBm/1.28 MHz	-50			
Propagation condition		AWGN			
		<b>Test 3</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 2	
PCCPCH Ec/lor	dB	-3		-3	
DwPCH Ec/lor	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	3		0	
$I_{oc}$	dBm/1.28 MHz	-98.7		-97	
PCCPCH RSCP, Note 1	dBm	-98.7		-100	
Io, Note 1	dBm/1.28 MHz	-94			
Propagation condition		AWGN			
NOTE 1: PCCPCH RSCP and Io levels have been calculated from other parameters for information purposes. They are not settable parameters themselves.					

**A.9.2.8.2.2 Test Requirements**

The SFN-SFN observed time difference type 2 measurement accuracy shall meet the requirements in section 9.1.1.8.

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

# CHANGE REQUEST

⌘ **25.123 CR 335** ⌘ rev **1** ⌘ Current version: **5.7.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Test case for SFN-SFN observed time difference type 2 for 1.28Mcps TDD		
<b>Source:</b>	⌘ RAN WG4		
<b>Work item code:</b>	⌘ LCRTDD-RF	<b>Date:</b>	⌘ 23/02/2004
<b>Category:</b>	⌘ <b>A</b>	<b>Release:</b>	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	⌘ There is no test case specified for SFN-SFN observed time difference type 2 measurement for 1.28Mcps TDD UE at present, so UE measurement accuracy can't be guaranteed and UE's performance can't be assured to be proper.
<b>Summary of change:</b>	⌘ 1.28Mcps TDD test case for UE SFN-SFN observed time difference type 2 measurement is filled in A.9.2.8.2.
<b>Consequences if not approved:</b>	⌘ The performance requirement on the UE SFN-SFN observed time difference type 2 measurement can't be tested, so UE measurement accuracy can't be guaranteed and UE's performance can't be assured to be proper.

<b>Clauses affected:</b>	⌘ A.9.2.8.2										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> <td style="padding: 2px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other core specifications	⌘ 34.122
	Y	N									
	<input type="checkbox"/>	<input type="checkbox"/>									
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<input type="checkbox"/>	<input type="checkbox"/>										
<input checked="" type="checkbox"/>	Test specifications										
<input type="checkbox"/>	O&M Specifications										
<b>Other comments:</b>	⌘ Equivalent CRs in other Releases: CR334r1 cat. F to 25.123 v4.11.0, CR336r1 cat. A to 25.123 v6.0.0										

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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.9.2.8.2 SFN-SFN observed time difference type 2

~~NOTE: This section is included for consistency with numbering in section 9, currently no test covering requirements on SFN-SFN observed time difference type 2 in sections 9.1.1.8 exists.~~

### A.9.2.8.2.1 Test Purpose and Environment

The purpose of this test is to verify that the SFN-SFN observed time difference type 2 measurement accuracy is within the specified limits. This test will verify the requirements in section 9.1.1.8.

Cell 1 and cell 2 shall be synchronised and share the same frame timing. During the test, the timing difference between cell 1 and cell 2 can be set to valid values in the rang from -432 to 432 chip.

The DL DPCH shall be transmitted in timeslot 4 and the UL DPCH shall be transmitted in timeslot 2.

#### A.9.2.8.2.1.1 Intra frequency test parameters

In this case all cells are on the same frequency. The SFN-SFN observed time difference type 2 accuracy requirements in the intra-frequency case are tested by using test parameters in Table A.9.17A.

**Table A.9.17A: SFN-SFN observed time difference type 2 Intra frequency test parameters**

		<b>Test 1</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 1	
PCCPCH Ec/Ior	dB	-3		-3	
DwPCH Ec/Ior	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	5		2	
$I_{oc}$	dBm/1.28 MHz	-76.6			
PCCPCH RSCP, Note 1	dBm	-74.6		-77.6	
Io, Note 1	dBm/1.28 MHz	-69			
Propagation condition		AWGN			
		<b>Test 2</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 1	
PCCPCH Ec/Ior	dB	-3		-3	
DwPCH Ec/Ior	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	9		2	
$I_{oc}$	dBm/1.28 MHz	-60.2			
PCCPCH RSCP, Note 1	dBm	-54.2		-61.2	
Io, Note 1	dBm/1.28 MHz	-50			
Propagation condition		AWGN			
		<b>Test 3</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 1	
PCCPCH Ec/Ior	dB	-3		-3	
DwPCH Ec/Ior	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	5		3	
$I_{oc}$	dBm/1.28 MHz	-101.9			
PCCPCH RSCP, Note 1	dBm	-99.9		-101.9	
Io, Note 1	dBm/1.28 MHz	-94			
Propagation condition		AWGN			
NOTE 1: PCCPCH RSCP and Io levels have been calculated from other parameters for information purposes. They are not settable parameters themselves.					

**A.9.2.8.2.1.2 Inter frequency test parameters**

In this case all cells in the test are on different frequencies. The SFN-SFN observed time difference type 2 accuracy requirements in the inter-frequency case are tested by using test parameters in Table A.9.18A.

**Table A.9.18A: SFN-SFN observed time difference type 2 Inter frequency tests parameters**

		<b>Test 1</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 2	
PCCPCH Ec/lor	dB	-3		-3	
DwPCH Ec/lor	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	5		5	
$I_{oc}$	dBm/1.28 MHz	-75.2		-75.2	
PCCPCH RSCP, Note 1	dBm	-73.2		-73.2	
Io, Note 1	dBm/1.28 MHz	-69			
Propagation condition		AWGN			
		<b>Test 2</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 2	
PCCPCH Ec/lor	dB	-3		-3	
DwPCH Ec/lor	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	7		2	
$I_{oc}$	dBm/1.28 MHz	-57.8		-54.1	
PCCPCH RSCP, Note 1	dBm	-53.8		-55.1	
Io, Note 1	dBm/1.28 MHz	-50			
Propagation condition		AWGN			
		<b>Test 3</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 2	
PCCPCH Ec/lor	dB	-3		-3	
DwPCH Ec/lor	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	3		0	
$I_{oc}$	dBm/1.28 MHz	-98.7		-97	
PCCPCH RSCP, Note 1	dBm	-98.7		-100	
Io, Note 1	dBm/1.28 MHz	-94			
Propagation condition		AWGN			
NOTE 1: PCCPCH RSCP and Io levels have been calculated from other parameters for information purposes. They are not settable parameters themselves.					

**A.9.2.8.2.2 Test Requirements**

The SFN-SFN observed time difference type 2 measurement accuracy shall meet the requirements in section 9.1.1.8.

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

# CHANGE REQUEST

⌘ **25.123 CR 336** ⌘ rev **1** ⌘ Current version: **6.0.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Test case for SFN-SFN observed time difference type 2 for 1.28Mcps TDD		
<b>Source:</b>	⌘ RAN WG4		
<b>Work item code:</b>	⌘ LCRTDD-RF	<b>Date:</b>	⌘ 23/02/2004
<b>Category:</b>	⌘ <b>A</b>	<b>Release:</b>	⌘ Rel-6
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
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<b>Reason for change:</b>	⌘ There is no test case specified for SFN-SFN observed time difference type 2 measurement for 1.28Mcps TDD UE at present, so UE measurement accuracy can't be guaranteed and UE's performance can't be assured to be proper.
<b>Summary of change:</b>	⌘ 1.28Mcps TDD test case for UE SFN-SFN observed time difference type 2 measurement is filled in A.9.2.8.2.
<b>Consequences if not approved:</b>	⌘ The performance requirement on the UE SFN-SFN observed time difference type 2 measurement can't be tested, so UE measurement accuracy can't be guaranteed and UE's performance can't be assured to be proper.

<b>Clauses affected:</b>	⌘ A.9.2.8.2											
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	Y	N										
	<input type="checkbox"/>	<input type="checkbox"/>										
<input checked="" type="checkbox"/>	<input type="checkbox"/>											
<input type="checkbox"/>	<input type="checkbox"/>											
		Test specifications	34.122									
		O&M Specifications										
<b>Other comments:</b>	⌘ Equivalent CRs in other Releases: CR334r1 cat. F to 25.123 v4.11.0, CR335r1 cat. A to 25.123 v5.7.0											

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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.9.2.8.2 SFN-SFN observed time difference type 2

~~NOTE: This section is included for consistency with numbering in section 9, currently no test covering requirements on SFN-SFN observed time difference type 2 in sections 9.1.1.8 exists.~~

### A.9.2.8.2.1 Test Purpose and Environment

The purpose of this test is to verify that the SFN-SFN observed time difference type 2 measurement accuracy is within the specified limits. This test will verify the requirements in section 9.1.1.8.

Cell 1 and cell 2 shall be synchronised and share the same frame timing. During the test, the timing difference between cell 1 and cell 2 can be set to valid values in the rang from -432 to 432 chip.

The DL DPCH shall be transmitted in timeslot 4 and the UL DPCH shall be transmitted in timeslot 2.

#### A.9.2.8.2.1.1 Intra frequency test parameters

In this case all cells are on the same frequency. The SFN-SFN observed time difference type 2 accuracy requirements in the intra-frequency case are tested by using test parameters in Table A.9.17A.

**Table A.9.17A: SFN-SFN observed time difference type 2 Intra frequency test parameters**

		<b>Test 1</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 1	
PCCPCH Ec/Ior	dB	-3		-3	
DwPCH Ec/Ior	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	5		2	
$I_{oc}$	dBm/1.28 MHz	-76.6			
PCCPCH RSCP, Note 1	dBm	-74.6		-77.6	
Io, Note 1	dBm/1.28 MHz	-69			
Propagation condition		AWGN			
		<b>Test 2</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 1	
PCCPCH Ec/Ior	dB	-3		-3	
DwPCH Ec/Ior	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	9		2	
$I_{oc}$	dBm/1.28 MHz	-60.2			
PCCPCH RSCP, Note 1	dBm	-54.2		-61.2	
Io, Note 1	dBm/1.28 MHz	-50			
Propagation condition		AWGN			
		<b>Test 3</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 1	
PCCPCH Ec/Ior	dB	-3		-3	
DwPCH Ec/Ior	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	5		3	
$I_{oc}$	dBm/1.28 MHz	-101.9			
PCCPCH RSCP, Note 1	dBm	-99.9		-101.9	
Io, Note 1	dBm/1.28 MHz	-94			
Propagation condition		AWGN			
NOTE 1: PCCPCH RSCP and Io levels have been calculated from other parameters for information purposes. They are not settable parameters themselves.					

**A.9.2.8.2.1.2 Inter frequency test parameters**

In this case all cells in the test are on different frequencies. The SFN-SFN observed time difference type 2 accuracy requirements in the inter-frequency case are tested by using test parameters in Table A.9.18A.

**Table A.9.18A: SFN-SFN observed time difference type 2 Inter frequency tests parameters**

		<b>Test 1</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 2	
PCCPCH Ec/lor	dB	-3		-3	
DwPCH Ec/lor	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	5		5	
$I_{oc}$	dBm/1.28 MHz	-75.2		-75.2	
PCCPCH RSCP, Note 1	dBm	-73.2		-73.2	
Io, Note 1	dBm/1.28 MHz	-69			
Propagation condition		AWGN			
		<b>Test 2</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 2	
PCCPCH Ec/lor	dB	-3		-3	
DwPCH Ec/lor	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	7		2	
$I_{oc}$	dBm/1.28 MHz	-57.8		-54.1	
PCCPCH RSCP, Note 1	dBm	-53.8		-55.1	
Io, Note 1	dBm/1.28 MHz	-50			
Propagation condition		AWGN			
		<b>Test 3</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Cell 1</b>		<b>Cell 2</b>	
Timeslot Number		0	DwPTS	0	DwPTS
UTRA RF Channel Number		Channel 1		Channel 2	
PCCPCH Ec/lor	dB	-3		-3	
DwPCH Ec/lor	dB		0		0
$\hat{I}_{or}/I_{oc}$	dB	3		0	
$I_{oc}$	dBm/1.28 MHz	-98.7		-97	
PCCPCH RSCP, Note 1	dBm	-98.7		-100	
Io, Note 1	dBm/1.28 MHz	-94			
Propagation condition		AWGN			
NOTE 1: PCCPCH RSCP and Io levels have been calculated from other parameters for information purposes. They are not settable parameters themselves.					

**A.9.2.8.2.2 Test Requirements**

The SFN-SFN observed time difference type 2 measurement accuracy shall meet the requirements in section 9.1.1.8.

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