ERICSSON	Ericsson Confidential VERIFICATION RECORD		
Uppgjord (även faktaansvarig om annan) - *Prepared (also subject responsible if other)* ETCQIYA	Nr – *N/o.* 100/102 65 - CNH 160 1143 /1-1 Uen		
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VERIFICATION RECORD, RU22 0840

Abstract

This document comprises the results from the verifications of the RU22 0840
The objective of this verification is to verify that the tested
Unit corresponds to the requirements in Requirement Specification
(Ref.1). The verification was done in accordance to Verification Specification (Ref.2).

Tested hardware

Unit	Product nr	Rev	Serial number
RU	KRC 118 22/1	R1C	AE52099301
RU	KRC 118 22/1	R1C	AE52166301

Tested software

Product id	Rev
CXP9011215/1	CXP9011215%1_R4A02
CXP9011215/1	CXP9011215%1_R4H01

Contents

1 REVISION HISTORY

Document Revision	Revision Date	Change
PA1	9/29/2005	First draft
PA2	10/8/2005	- Add instruments serial number - Add Tested HW+SW revision - Update some new test result(blue colored) - Header updated
A	10/10/2005	Document release after final review

2 TERMINOLOGY

ANP	Antenna Near Product
DTX	Discontinuous Transmission
LNA	Low Noise Amplifier
RU	Radio Unit
TX	Transmitter
RX	Receiver

4 VERIFICATION ENVIRONMENT

4.1 VERIFICATION SETUP

This verification has been performed on one RU. Only automatic tests are mentioned in this verification record.
The input signals to the system were generated with signal generators.

4.2 VERIFICATION TOOLS

4.2.1 Hardware tools

Instrument	**Fabrication**	**Serial number**
Power meter NRT	**R & S**	**101954**
Power meter NRP	**R & S**	**1000478**
Spectrum analyzer FSQ	**R & S**	**100457**
Switch/control unit 34970A	**Agilent**	**MY41030894**

Switch/control unit 34970A	**Agilent**	**MY41030891**
Switch/control unit 34970A	**Agilent**	**MY41030890**
Switch/control unit 34970A	**Agilent**	**MY44003020**
RF unit,LTN 214 1419/3a	**EAB**	**1**
RF unit, LTN 214 1419/3b	**EAB**	**1**
RF unit, LTN 214 1419/3c	**EAB**	**1**
RF unit, LTN 214 1520/3	**EAB**	**1**
RF unit, LTN 214 1531/3	**EAB**	**1**
RF unit, LTN 214 1519/3	**EAB**	**1**
Signal Generator SMU200A	**R & S**	**100889**
Signal Generator SMR	**R&S**	**101189**
Power supply SM7020-D	**Delta**	**3144601000155**
Power supply SM70-45 D	**Delta**	**3144601000155**
Power supply SM7020-D	**Delta**	**314601000108**
Power supply SM70-45 D	**Delta**	**1117101000016**
Power Amplifier	**5064**	**1047**

4.2.2 Software tools

Product id	**Rev**
CAL1202505	Local copy

5 SUMMARY OF AUTOMATED VERIFICATION RESULTS

5.10									
TX_FrequencyAccuracy									
X	**Carrier Freq**	**Requirement**	**Requirement**	**Data**	**Data**	**Data**	**Data**	**Data**	**Result**
TestModel	**CH1/CH2 (MHz)**	**Hz**	**Hz**	**0°C / 0%**	**25°C / 50%**	**25°C / 90%**	**55°C / 15%**	**5°C / 85%**	**P/F**
TM1,48V	**871.4M/OFF**	**-22.6564**	**22.6564**	**9.5/NA**	**9.7/NA**	**9.0/NA**	**8.5/NA**		**PASS**
TM1,48V	**882.5M/OFF**	**-22.945**	**22.945**	**12.0/NA**	**8.9/NA**	**8.3/NA**	**15.7/NA**		**PASS**
TM1,48V	**891.6M/OFF**	**-23.1816**	**23.1816**	**9.9/NA**	**10.9/NA**	**15.4/NA**	**11.9/NA**		**PASS**
TM1,38.9V	**871.4M/OFF**	**-22.6564**	**22.6564**		**10.7/NA**	**10.1/NA**	**9.6/NA**	**11.5/NA**	**PASS**
TM1,38.9V	**882.5M/OFF**	**-22.945**	**22.945**		**7.3/NA**	**9.2/NA**	**8.3/NA**	**9.7/NA**	**PASS**
TM1,38.9V	**891.6M/OFF**	**-23.1816**	**23.1816**		**10.2/NA**	**10.4/NA**	**12.5/NA**	**12.1/NA**	**PASS**
TM1,57.6V	**871.4M/OFF**	**-22.6564**	**22.6564**		**11.9/NA**	**7.5/NA**	**9.5/NA**	**11.9/NA**	**PASS**
TM1,57.6V	**882.5M/OFF**	**-22.945**	**22.945**		**8.7/NA**	**10.7/NA**	**13.1/NA**	**8.6/NA**	**PASS**
TM1,57.6V	**891.6M/OFF**	**-23.1816**	**23.1816**		**10.9/NA**	**12.0/NA**	**15.7/NA**	**12.4/NA**	**PASS**

TM1,48V	**871.4M/881.4M**	**-22.6564**	**22.6564**		**10.5/9.7**		**13.6/9.5**	**18.0/10.1**	**PASS**
TM1,48V	**876.6M/886.6M**	**-22.7916**	**22.7916**		**9.9/10.0**		**12.5/8.3**	**11.1/14.8**	**PASS**
TM1,48V	**881.6M/891.6M**	**-22.9216**	**22.9216**		**11.5/12.8**		**11.0/14.2**	**11.6/10.0**	**PASS**
TM1,48V	**871.4M/886.4M**	**-22.6564**	**22.6564**		**13.0/12.1**		**17.7/14.9**	**14.7/13.5**	**PASS**
TM1,48V	**876.6M/891.6M**	**-22.7916**	**22.7916**		**13.7/10.3**		**13.7/8.0**	**14.5/12.5**	**PASS**
TM1,38.9V	**871.4M/881.4M**	**-22.6564**	**22.6564**		**15.0/10.9**		**11.5/9.3**	**13.9/11.3**	**PASS**
TM1,38.9V	**876.6M/886.6M**	**-22.7916**	**22.7916**		**14.1/11.2**		**9.8/12.1**	**11.4/13.8**	**PASS**
TM1,38.9V	**881.6M/891.6M**	**-22.9216**	**22.9216**		**10.7/10.8**		**11.4/9.5**	**13.2/11.2**	**PASS**
TM1,38.9V	**871.4M/886.4M**	**-22.6564**	**22.6564**		**10.4/11.1**		**10.4/11.9**	**8.8/8.9**	**PASS**
TM1,38.9V	**876.6M/891.6M**	**-22.7916**	**22.7916**		**15.2/11.4**		**11.3/10.4**	**11.6/10.6**	**PASS**
TM1,57.6V	**871.4M/881.4M**	**-22.6564**	**22.6564**		**15.1/10.9**		**11.8/14.1**	**14.4/11.2**	**PASS**
TM1,57.6V	**876.6M/886.6M**	**-22.7916**	**22.7916**		**15.6/11.0**		**11.6/11.3**	**12.8/10.8**	**PASS**
TM1,57.6V	**881.6M/891.6M**	**-22.9216**	**22.9216**		**14.7/11.8**		**14.8/9.3**	**11.5/10.5**	**PASS**
TM1,57.6V	**871.4M/886.4M**	**-22.6564**	**22.6564**		**15.6/9.9**		**12.3/11.9**	**11.9/14.1**	**PASS**
TM1,57.6V	**876.6M/891.6M**	**-22.7916**	**22.7916**		**12.1/11.2**		**12.9/11.3**	**12.2/11.0**	**PASS**

6 REFERENCES

10/10264-CNH160 1143/1-1 Verification Specification for Radio performance RU22 0840
5/1056-CNH1601141/1 Requirement Specification for the RBS4b 850 MHz RU
293/1056-HSD101 02/1 Radio Characteristics Requirement Spec for WCDMA commercial system in 850MHz band