

# Partial Report on EN301511/EN301908-2/EN301908-13 Report on ASUS\_Z017DA

**HW: 1.3**

**SW: 13.16.0.14**

**Report Reference:**            **Project :** MT160429C30\_R01

**Date:**                            June 13, 2016

## Test Laboratory:

### **Bureau Veritas ADT**

Hwa Ya Lab & Head Office

No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil, Kwei Shan Dist, Taoyuan, 33383, Taiwan (R.O.C)



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## 1 Administrative Data

### 1.1 Project Data

*Project Responsible:* Steven Yeh  
*Date Of Test Report:* 2016/06/13  
  
*Date of first test:* 2016/05/17  
*Date of last test:* 2016/06/07

### 1.2 Applicant Data

*Company Name:* ASUSTek COMPUTER INC.  
*Address:* 6F, No. 15, LI-TE Rd., PEITOU, TAIPEI 112, TAIWAN  
  
*Contact Person:* Adam1 Huang  
*Phone:* +886-2-2894 3447 #1063  
*Fax:* +886-2-2894 3447  
*E-Mail:* Adam1\_Huang@asus.com

### 1.3 Test Laboratory Data

The following list shows all places and laboratories involved for test result generation:

#### Bureau Veritas ADT

*Company Name :* Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
*Street :* Hwa Ya Lab & Head Office  
No. 19, Hwa Ya 2nd Rd., Wen Hwa Tsuen,  
Kwei Shan Hsiang,  
*City :* 333 Taoyuan  
*Country :* Taiwan  
*Contact Person :* Mr. Elio Sun  
*Phone :* 886-3-318-3232 ext. 1880  
*Fax :* 886-3-211-5834  
*E Mail :* elio.sun@tw.bureauveritas.com

#### Laboratory Details

<i>Lab ID</i>	<i>Identification</i>	<i>Responsible</i>
Lab 1	TP005 - RF - R&S TS8950GW	Lucas Chen
Lab 2	TP006 - RSE Test System 1	Eric SW Chiu
Lab 3	TP036 - RF - Keysight - GS-8800	Jason Ho
Lab 4	TP057 - RF - Anritsu ME7873F	Rocco Wu
Lab 5	TP104 - RF - Anritsu ME7873L (BV TW)	Brian Fan
Lab 6	TP104 - RF - Anritsu ME7873L (BV SZ)	Rock Tseng
Lab 16	TP098 - RF - R&S TS8980 (BV Korea)	Brandon Ryu

## 1.4 Signature of the Testing Responsible

*Nilson She*

Nilson She

responsible for tests performed in: Lab 1, Lab 2, Lab 3, Lab 4, Lab 5,  
Lab 6, Lab 16

## 2 Test Object Data

### 2.1 General OUT Description

The following section lists all OUTs (Object's Under Test) involved during testing.

**OUT: ASUS\_Z017DB**

**HW: 1.3**

**SW: 13.16.0.14**

<i>Low Voltage</i>	3.60 V
<i>High Voltage</i>	4.40 V
<i>Nominal Voltage</i>	3.85 V
<i>Low Temp</i>	-10 °C
<i>High Temp</i>	55 °C
<i>Nominal Temp</i>	25 °C

**Manufacturer**

<i>Company Name :</i>	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
<i>Street :</i>	Hwa Ya Lab & Head Office No. 19, Hwa Ya 2nd Rd., Wen Hwa Tsuen, Kwei Shan Hsiang, 333 Taoyuan
<i>City :</i>	Taiwan
<i>Country :</i>	Taiwan
<i>Contact Person :</i>	Mr. Elio Sun
<i>Phone :</i>	886-3-318-3232 ext. 1880
<i>Fax :</i>	886-3-211-5834
<i>E Mail :</i>	elio.sun@tw.bureauveritas.com

### 2.2 Detailed Description of OUT Samples

**Sample : 01.01.01**

<i>OUT Identifier</i>	ASUS_Z017DA HW: 1.3 SW: 13.16.0.14
<i>Sample Description</i>	IMEI: 358973070044629 358973070044637
<i>Date of Receipt</i>	2016/5/10



**Sample : 02.01.01**

*OUT Identifier* ASUS\_Z017DA  
HW: 1.3  
*Sample Description* SW: 13.16.0.14  
IMEI: 358973070044629  
358973070044637  
*Date of Receipt* 2016/5/10

**Sample : 03.01.01**

*OUT Identifier* ASUS\_Z017DA  
HW: 1.3  
*Sample Description* SW: 13.16.0.14  
IMEI: 359027070040787  
359027070040795  
*Date of Receipt* 2016/5/10

**Sample : 04.01.01**

*OUT Identifier* ASUS\_Z017DA  
HW: 1.3  
*Sample Description* SW: 13.16.0.14  
IMEI: 359027070041041  
359027070041058  
*Date of Receipt* 2016/5/10

**Sample : 05.01.01**

*OUT Identifier* ASUS\_Z017DA  
HW: 1.3  
*Sample Description* SW: 13.16.0.14  
IMEI: 359027070040027  
359027070040035  
*Date of Receipt* 2016/5/10

**Sample : 06.01.01**

*OUT Identifier* ASUS\_Z017DA  
HW: 1.3  
*Sample Description* SW: 13.16.0.14  
IMEI: 359027070040688  
359027070040696  
*Date of Receipt* 2016/5/10

**Sample : 07.01.01**

*OUT Identifier* ASUS\_Z017DA  
HW: 1.3  
*Sample Description* SW: 13.16.0.14  
IMEI: 358973070044603  
358973070044611  
*Date of Receipt* 2016/5/30

**Sample : 08.01.01**

*OUT Identifier* ASUS\_Z017DA  
HW: 1.3  
*Sample Description* SW: 13.16.0.14  
IMEI: 0  
0  
*Date of Receipt* 2016/5/30

## 2.3 Setups used for Testing

For each setup a relation is given to determine if and which samples and auxiliary equipment is used. The left side list all OUT samples and the right side lists all auxiliary equipment for the given setup.

<i>Setup No.</i>	<i>List of OUT samples</i>	<i>List of auxiliary equipment</i>
<i>Sample No.</i>	<i>Sample Description</i>	<i>AE No.      AE Description</i>
01.01.01	IMEI: 358973070044629/	358973070044637
02.01.01	IMEI: 358973070041948/	358973070041955
03.01.01	IMEI: 359027070040787/	359027070040795
04.01.01	IMEI: 359027070041041/	359027070041058
05.01.01	IMEI: 359027070040027/	359027070040035
06.01.01	IMEI: 359027070040688/	359027070040696
07.01.01	IMEI: 358973070044603/	358973070044611
08.01.01	IMEI: N/A	

## 3 Results

### 3.1 General

**Documentation of tested devices:**

Available at the test laboratory.

**Interpretation of the test results:**

The results of the inspection are described on the following pages, where 'Conformity' or 'Passed' means that the certification criteria were verified and that the tested device is conform to the applied standard.

In cases where 'Declaration' is printed, the required documents are available in the manufacturers product documentation.

In cases where 'not applicable' is printed, the test case requirements are not relevant to the specific equipment implementation.

### 3.2 List of the Applicable Body

<i>Designation</i>	<i>Description</i>
R&TTE - EN 301 511 (900/1800) V9.0.2	Official R&TTE version based on the latest OJ publication and EN 301 511
R&TTE - EN 301 908-2 V6.2.1	Official R&TTE version based on the latest OJ publication
R&TTE - EN 301 908-13 V6.2.1	Official R&TTE version based on the latest OJ publication

### 3.3 List of Test Specification

- Test Specification:* **3GPP TS 51.010-1**  
*Date / Version:* 2016/03/21 Version: 13.0.0  
*Title:* 3GPP TS 51.010-1  
*Description:* Part 1: Conformance specification
- Test Specification:* **3GPP TS 34.121-1**  
*Date / Version:* 2016/03/21 Version: 12.3.0  
*Title:* 3rd Generation Partnership Project;  
Technical Specification Group Radio Access Network;  
User Equipment (UE) conformance specification;  
Radio transmission and reception (FDD);  
*Description:* Part 1: Conformance specification
- Test Specification:* **3GPP TS 36.521-1**  
*Date / Version:* 2016/04/01 Version: 13.1.0  
*Title:* 3rd Generation Partnership Project;  
Evolved Universal Terrestrial Radio Access (E-UTRA);  
User Equipment (UE) conformance specification Radio transmission and reception

## 4 Annex

### 4.1 Additional Information for OUT Feature



The calibration, hardware and software states are shown for the testing period.



## 4.2 Additional Information for Test Equipment

The calibration, hardware and software states are shown for the testing period.

### Test Equipment Agilent N1960A (GS-8800)

<b>Lab ID:</b>	<b>Lab 3</b>
<i>Manufacturer:</i>	Agilent Technologies
<i>Description:</i>	N1960A (RF Conformance Test System GS-8800)
<i>Type:</i>	GS-8800

### Single Devices for Agilent N1960A (GS-8800)

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>	
BASEBAND PROCESSOR-DUAL TX ANTENNA	BASEBAND PROCESSOR-DUAL TX ANTE	0140	Anite	
Climatic Chamber	ITH-120-45-CP-AR	IAA1207-006	Giant	
Control PC	Control PC	TBNB110348	Agilent Technologies	
EPM Series Power Meter	N1914A	MY52180044	Agilent Technologies	
<i>Calibration Details</i>			<i>Last Execution</i>	<i>Next Exec.</i>
Calibration			2014/08/28	2016/08/28
<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
FW:A2.01.05			2012/04/24	
ESG VECTOR SIGNAL GENERATOR	E4438C 250KHz-3GHz	MY49072580	Agilent Technologies	
<i>Calibration Details</i>			<i>Last Execution</i>	<i>Next Exec.</i>
Calibration			2014/05/26	2016/05/26
<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
FW:C.05.83			2012/04/24	
FADER ADAPTOR UNIT	FADER ADAPTOR UNIT	0024	Anite	
GS8800 Plus 2 Test Set	N8990A P06	MY45500169	Agilent Technologies	
GSM Module	N1960-80104	MY46410114	Agilent Technologies	
Mobile Communications DC Source	66319D	MY43007492	Agilent Technologies	
<i>Calibration Details</i>			<i>Last Execution</i>	<i>Next Exec.</i>
Calibration			2015/08/19	2016/08/18
<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
FW:A03.01			2012/04/24	
MXA Signal Analyzer	N9020A	MY52090163	Agilent Technologies	
<i>Calibration Details</i>			<i>Last Execution</i>	<i>Next Exec.</i>
Calibration			2014/05/27	2016/05/27
<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
FW:A08.03			2012/04/24	
PSG Analog Signal Generator	E8257D 250KHz-20GHz	MY51111397	Agilent Technologies	
<i>Calibration Details</i>			<i>Last Execution</i>	<i>Next Exec.</i>
Calibration			2014/05/27	2016/05/27
<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
FW: C.06.10			2011/03/01	





**Single Devices for Agilent N1960A (GS-8800) (continued)**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>	
RF Interface	N1960-80103	MY45490235	Agilent Technologies	
SHEAR ACCELEROMETER PCB/J353B34		153748	Giant	
Universal Switch Control Unit	N9370A	MY46130241	Agilent Technologies	
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	FW: A03.03		2012/04/24	
VIBRATION CONTROLLER	RECON/VT-9002	193220704	Giant	
WIRELESS CHANNEL EMULATOR	SR5500	WCE350F5	Spirent Communications	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2015/07/08	2016/07/07
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	FW:03.50.03		2012/04/24	
WIRELESS COMMUNICATIONS TEST SET	"8960 SERIES 10 E5515C"	MY50267377	Agilent Technologies	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/11/12	2016/11/12
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	FW: H.01.12		2012/04/24	



**Test Equipment Anritsu ME7873 WCDMA RF Test System**

**Lab ID:** Lab 6  
**Manufacturer:** ANRITSU COMPANY,INC  
**Description:** Anritsu ME7873 WCDMA RF Test System  
**Type:** ME7873

**Single Devices for Anritsu ME7873 WCDMA RF Test System**

Single Device Name	Type	Serial Number	Manufacturer	
CONTROL PC ( LTE)	Latitude E6530	00371-OEM-899267 1-00		
Fading Sumulator	MF6900A <i>Calibration Details</i> Calibration	6201469067	Anritsu <i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
Fading Sumulator	MF6900A <i>Calibration Details</i> Calibration	6201469068	Anritsu <i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
FILTER UNIT	MN7464D <i>Calibration Details</i> Calibration	6201328957	<i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
Power Meter	ML2488B <i>Calibration Details</i> Calibration	1341002	<i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
POWER SUPPLY	2303 <i>Calibration Details</i> Calibration	4036510	<i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
RF Combiner Unit	MN7463B <i>Calibration Details</i> Calibration	6201459092	<i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
RF INERFACE UNIT	MN7462A <i>Calibration Details</i> Calibration	6201319865	<i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
RF INERFACE UNIT FOR DIVERSITY	MN7484B <i>Calibration Details</i> Calibration	6201319870	<i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
RF SWITCH DRIVER UNIT	MN7451A <i>Calibration Details</i> Calibration	6201330863	<i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
RF Switch Driver Unit	MN7451A <i>Calibration Details</i> Calibration	6201501706	<i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
Server PC	Server PER420	00477-OEM-840010 1-10		
SIGNAL ANALYZER-LTE	MS2692A <i>Calibration Details</i> Calibration	6201247281	<i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
SIGNAL GENERATOR	MG3692C <i>Calibration Details</i> Calibration	133509	<i>Last Execution</i>	<i>Next Exec.</i> 2016/10/01
SIGNALLING TESTER	MD8430A	6201311293		



**Single Devices for Anritsu ME7873 WCDMA RF Test System (continued)**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2015/10/01	2016/10/01
Vector Signal Generator	MG3710A	6201330154		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2015/10/01	2016/10/01
W-CDMA Signalling Tester	MD8480C	6201488780	Anritsu	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2015/10/01	2016/10/01



**Test Equipment Anritsu ME7873L LTE RF Conformance Test System**

**Lab ID:** Lab 5  
**Description:** Anritsu ME7873L LTE RF Conformance Test System  
**Type:** ME7873L

**Single Devices for Anritsu ME7873L LTE RF Conformance Test System**

Single Device Name	Type	Serial Number	Manufacturer	
CONTROL PC (LTE)	Server PER410	92573-OEM-750290 DELL 5-27565		
FADING SIMULATOR	MF6900A <i>Calibration Details</i>	6201007436	ANRITSU COMPANY,INC	
	Calibration		<i>Last Execution</i>	<i>Next Exec.</i>
	HW/SW Status		2016/02/04	2017/02/04
	SW: 91.06.05		<i>Date of Start</i>	<i>Date of End</i>
FADING SIMULATOR	MF6900A <i>Calibration Details</i>	6201007437	ANRITSU COMPANY,INC	
	Calibration		<i>Last Execution</i>	<i>Next Exec.</i>
	HW/SW Status		2016/02/04	2017/02/04
	SW: 91.06.05		<i>Date of Start</i>	<i>Date of End</i>
FILTER UNIT	MN7464G <i>Calibration Details</i>	6201337854		
	Calibration		<i>Last Execution</i>	<i>Next Exec.</i>
			2016/02/04	2017/02/04
FILTER UNIT	MN7464H <i>Calibration Details</i>	6201345913		
	Calibration		<i>Last Execution</i>	<i>Next Exec.</i>
			2016/02/04	2017/02/04
Giant - Temperature & Humidity Chamber	GTH-120-40-CP-AP	MAA1205-006	Giant	
LTE RF Conformance test software	MX787311L	6201082013		
	HW/SW Status		<i>Date of Start</i>	<i>Date of End</i>
	SW: v2.22.02		2015/11/17	
Power Meter	ML2488B <i>Calibration Details</i>	1141007		
	Calibration		<i>Last Execution</i>	<i>Next Exec.</i>
	HW/SW Status		2016/02/04	2017/02/04
	FW: 2.35		<i>Date of Start</i>	<i>Date of End</i>
			2011/12/22	
POWER SUPPLY	2303 <i>Calibration Details</i>	1341403	KEITHLEY	
	Calibration		<i>Last Execution</i>	<i>Next Exec.</i>
			2015/10/19	2016/10/19
RF COMBINER UNIT	MN7463B <i>Calibration Details</i>	6201059752		
	Calibration		<i>Last Execution</i>	<i>Next Exec.</i>
			2016/02/04	2017/02/04
RF Distribetor	6502B <i>Calibration Details</i>	111564101031		
	Calibration		<i>Last Execution</i>	<i>Next Exec.</i>
			2016/02/04	2017/02/04
RF INERFACE UNIT	MN7462A <i>Calibration Details</i>	6201059747		
	Calibration		<i>Last Execution</i>	<i>Next Exec.</i>
			2016/02/04	2017/02/04
RF INERFACE UNIT FOR DIVERSITY	MN7484B <i>Calibration Details</i>	6201059749		
	Calibration		<i>Last Execution</i>	<i>Next Exec.</i>
			2016/02/04	2017/02/04



**Single Devices for Anritsu ME7873L LTE RF Conformance Test System (continued)**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>	
	Calibration		2016/02/04	2017/02/04
RF SWITCH DRIVER UNITMN7451A		6201051399		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2016/02/04	2017/02/04
RF SWITCH DRIVER UNITMN7451A		6201051400		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2016/02/04	2017/02/04
Server PC	R410	57C1VBX	DELL	
SIGNAL ANALYZER	MS2692A	6201030311		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2016/02/04	2017/02/04
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	Package : 97.04.01b		2015/11/17	
SIGNAL GENERATOR	MG3692C	113608		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2016/02/04	2017/02/04
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	FW: 3.57		2011/12/22	
SIGNALLING TESTER	MD8430A	6201030438		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2016/02/04	2017/02/04
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	MX843090A Control Software : 3.04b_s1		2014/08/04	
	MX843091A Firmware : 3.04b_s1			
	MX843090A Control Software : 3.05a_s1		2015/11/17	
	MX843091A Firmware : 3.05a_s1			
SIGNALLING TESTER	MD8470A	6201002922		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2016/02/04	2017/02/04
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	MX847000A Platform Software : 7.06b01		2012/05/15	
	MX847030A CDMA2k Simulation Kit : 4.01			
TD-LTE RF Conformance test software	MX787361L	6201082014		
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	SW: v2.22.02		2015/11/17	
Thermal Sensor	SC7816	1131049		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2016/02/04	2017/02/04
VECTOR SIGAL GENERATOR	MG3710A	6201330171		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2016/02/04	2017/02/04
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	FW: 3.00.02		2015/03/05	
W-CDMA SIGNALLING TESTER	MD8480C	6201006519	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2016/02/04	2017/02/04
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>



**Single Devices for Anritsu ME7873L LTE RF Conformance Test System (continued)**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>
	MX848000E (PC Control Software) : 7.60_S1		2013/05/21
	MX848002E (FPGA) : 7.60a_MX848002E		
	MX848001E (Firmware) : 7.60_MX848001E_s3		
	MX848005C (TDMA2) : 7.60		



**Test Equipment TS 8950GW**

**Lab ID:** Lab 1  
**Manufacturer:** ROHDE & SCHWARZ GmbH & Co.KG  
**Description:** RF Signaling Testing  
**Type:** TS 8950GW  
**Serial Number:** 100132

**Single Devices for TS 8950GW**

Single Device Name	Type	Serial Number	Manufacturer	
10 MHz frequency standard include distributor 1:12	CS-RUB6	100121	ROHDE & SCHWARZ GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
Calibration			2015/10/15	2016/10/15
Average power sensor 10NRP-Z21 MHz- 18 GHz, 200 pW - 200 mW, N(m)	10NRP-Z21	102330	ROHDE & SCHWARZ GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
Calibration			2015/10/16	2016/10/16
Average power sensor 10NRP-Z21 MHz- 18 GHz, 200 pW - 200 mW, N(m)	10NRP-Z21	102331	ROHDE & SCHWARZ GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
Calibration			2015/10/16	2016/10/16
BENCH-TOP TYPE TEMPERATURE ( & HUMIDITY ) CHAMBER	SU-222	93000051	BENCH	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
Calibration			2016/02/17	2017/02/17
BENCH-TOP TYPE TEMPERATURE ( & HUMIDITY ) CHAMBER	SU-222	93000052	BENCH	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
Calibration			2015/10/01	2016/10/01
Calibration			2016/02/17	2017/02/17
Control PC	T3500	7V8FK4J	Dell	
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	[RS-PASS COMMON]		2011/11/24	
	VERSION: 10.50 Build 33			
	[GSM]			
RS-PASS APPLICATION				
V5.21 Build 21,				
V5.22 Build 4,				
V5.23				
[WCDMA]				
RS-PASS APPLICATION				
V6.81 Build 15				
V6.82 Build 02				
Main switching and cond. unit for TS8950G/W/GW	SSCU-GW	100064	ROHDE & SCHWARZ GmbH & Co.KG	
Multiband ASCU FDD1-3+X	ASCU-WF1	100017	ROHDE & SCHWARZ GmbH & Co.KG	
Multiband ASCU FDD4,5,6,7,8,9	ASCU-F4-9	100041	ROHDE & SCHWARZ GmbH & Co.KG	

**Single Devices for TS 8950GW (continued)**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>	
Multi-band ASCU for GSMASCU-G1 (4 bands)		100016	ROHDE & SCHWARZ GmbH & Co.KG	
Programmable analyzer/DC power supply	NGMO1	100458		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2015/10/19	2016/10/19
Signal Generator Basic Unit	SMF100A	101348	ROHDE & SCHWARZ GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2015/10/14	2016/10/14
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	FW 2.20.232.16 R&S COMPASS 3.0.12.3 Bios Version LPC6+-Bios-V0.30-GP-03.00		2011/12/21	
Spectrum Analyzer 20Hz - 26.5 GHz, -145 - + 30 dBm	FSU26	201000	ROHDE & SCHWARZ GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2015/10/19	2016/10/19
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	FW 4.51 SP1 Bios V5.1-22-1 Specification Version 14.00		2012/11/23	
Universal Protocol Tester	CRTU-RU(G)	100802	ROHDE & SCHWARZ GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2015/10/27	2016/10/27
	Calibration		2015/10/27	2016/10/27
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	RF-Library V10.50(33), V10.37 BP 1.20, 1.32, 1.33 EP 1.71, 3.21 ASP 3.35, 3.37, 3.38, 4.60, 4.63, 4.69, 4.74, 4.80, 4.90, 5.10, 5.28 CRTU-G OPSW Rel6 Fill Bits Patch01 CRTU-G Patch#01 B04 MCT-MDDB 15.01.00, 20.03.1.59, 20.2.1, 20.3.1 Protocol Testing Tools (GUI) V5.31.0006		2011/12/12	
Vector Signal Generator	SMU200A	103950	ROHDE & SCHWARZ GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2015/10/14	2016/10/14
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	FW 02.10.111.153 R&S COMPASS 2.1.79.0 Bios Version FMR7-Bios-0.22-GP01.02		2011/11/24	
Vector Signal Generator	SMU200A	103951	ROHDE & SCHWARZ GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2015/10/15	2016/10/15
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	FW 02.10.111.153 R&S COMPASS 2.1.79.0 Bios Version FMR7-Bios-0.22-GP01.02		2011/11/24	
Vector Signal Generator	SMU200A	103952	ROHDE & SCHWARZ GmbH & Co.KG	





Reference: MT160429C25\_R01

**Single Devices for TS 8950GW (continued)**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2015/10/15	2016/10/15
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	FW 02.10.111.153		2011/11/24	
	R&S COMPASS 2.1.79.0			
	Bios Version FMR7-Bios-0.22-GP01.02			
Vibration System	VS-100	6293	Vibration Source Technology Co Ltd	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2016/01/26	2017/01/26



**Test Equipment Anritsu ME7873 WCDMA RF Test System**

**Lab ID:** Lab 4  
**Manufacturer:** ANRITSU COMPANY,INC  
**Description:** Anritsu ME7873 WCDMA RF Test System  
**Type:** ME7873

**Single Devices for Anritsu ME7873 WCDMA RF Test System**

Single Device Name	Type	Serial Number	Manufacturer	
BIT ERROR RATE TESTER	MP8302A	6201080986	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
	Calibration		2016/02/04	2017/02/04
CONTROL PC (W-CDMA)	H866C	76487-OEM-001190 3-00102	DELL	
DIGITAL MOBILE RADIO TRANSMITTER TESTER	MS8609A	6200906421	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
	Calibration		2016/02/04	2017/02/04
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	Core : 4.8		2011/12/22	
	MX860901B WCDMA Measurement Software : 4.2			
	MX860951A WCDMA Release 5 Uplink Software : 4.04b			
FADING SIMULATOR	MF6900A	6201007436	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
	Calibration		2016/02/04	2017/02/04
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	SW: 1.05.01		2013/05/21	2014/08/05
	SW: 91.05.09		2014/08/05	2015/05/11
	SW: 91.06.05		2015/05/11	
FADING SIMULATOR	MF6900A	6201007437	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
	Calibration		2016/02/04	2017/02/04
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	SW: 1.05.01		2013/05/21	2014/08/05
	SW: 91.05.09		2014/08/05	2015/05/11
	SW: 91.06.05		2015/05/11	
FILTER UNIT	MN7464D	6201059753		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
	Calibration		2016/02/04	2017/02/04
FILTER UNIT FOR 1498/1440MHz	MN7464B2	6200942627		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
	Calibration		2016/02/04	2017/02/04



**Single Devices for Anritsu ME7873 WCDMA RF Test System (continued)**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>	
FILTER UNIT FOR 1843/1748MHz	MN7464B	6201064169	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
FILTER UNIT FOR 1960/1880MHz	MN7464B1	6201064170	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
FILTER UNIT FOR 2140/1950MHz	MN7464A	6201064166	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
FILTER UNIT FOR 882/837MHz	MN7464A2	6201064167	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
FILTER UNIT FOR 941/896MHz	MN7464A3	6201064168	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
Giant - Temperature & Humidity Chamber	GTH-120-40-CP-AP	MAA1205-006	Giant	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2013/05/07	2014/05/06
	Calibration		2014/05/05	2015/05/04
HSDPA performance test software	MX787105F	6201082796	ANRITSU COMPANY,INC	
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	SW: v6.33.2		2013/07/19	2014/05/05
	SW: v6.36.2		2014/05/05	2014/10/27
	SW: v6.38.2		2014/10/27	2015/05/11
	SW: v6.40.2		2015/05/11	2015/08/14
MOBILE RADIO SWITCHING UNIT	ME7419B	6200913447	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
POWER SUPPLY (MS-2690)	2303	1341402	KEITHLEY	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
Calibration		2013/10/17	2014/10/16	



**Single Devices for Anritsu ME7873 WCDMA RF Test System (continued)**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>	
	Calibration		2014/10/14	2015/10/14
	Calibration		2015/10/12	2016/10/12
RF COMBINER UNIT	MN7463A	6201064165	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
RF Distribetor	6502B	111564101048		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
RF INERFACE UNIT	MN7462A	6201064164		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
RF INERFACE UNIT FOR DIVERSITY	MN7484A	6201081904		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
RF SWITCH DRIVER UNIT	ME7416B	6200913446	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
RF SWITCH DRIVER UNIT	MN7451A	6201051938	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
RF SWITCH UNIT	MN7465A	6201064171		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2014/01/03	2015/01/02
	Calibration		2015/01/14	2016/01/14
RRM test software	MX787104F		<i>Date of Start</i>	<i>Date of End</i>
	<i>HW/SW Status</i>			
	SW: v6.33.2		2013/07/19	2014/05/05
	SW: v6.36.2		2014/05/05	2014/10/27
	SW: v6.38.2		2014/10/27	2015/05/11
	SW: v6.40.2		2015/05/11	2015/08/14
SIGNAL ANALYZER	MS2692A	6201030311	ANRITSU COMPANY,INC	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration		2016/02/04	2017/02/04
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	Package : 95.04.03g		2014/05/05	
SIGNAL GENERATOR	MG3692C	113305		



**Single Devices for Anritsu ME7873 WCDMA RF Test System (continued)**

Single Device Name	Type	Serial Number	Manufacturer		
	<i>Calibration Details</i>			<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration			2014/01/03	2015/01/02
	Calibration			2015/01/14	2016/01/14
	Calibration			2016/02/04	2017/02/04
	<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
	FW: 3.57			2011/12/22	
SIGNALLING TESTER	MD8430A	6201030438	ANRITSU COMPANY,INC		
	<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
	MX843090A Control Software : 3.03b_s1			2014/05/05	2014/08/04
	MX843091A Firmware : 3.03b_s1				
	MX843090A Control Software : 3.04b_s1			2014/08/04	
	MX843091A Firmware : 3.04b_s1				
TRX/performance test software	MX787103F	6201082779			
	<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
	SW: v6.33.2			2013/07/19	2014/05/05
	SW: v6.36.2			2014/05/05	2014/10/27
	SW: v6.38.2			2014/10/27	2015/05/11
	SW: v6.40.2			2015/05/11	2015/08/14
	SW: v6.41.2			2015/08/14	
VECTOR SIGAL GENERATOR	MG3700A	6200924943	ANRITSU COMPANY,INC		
	<i>Calibration Details</i>			<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration			2014/01/03	2015/01/02
	Calibration			2015/01/14	2016/01/14
	Calibration			2016/02/04	2017/02/04
	<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
	MX370000A CPU : 2.09			2011/12/22	2014/08/04
	Firmware Version : 2.01			2014/08/04	
VECTOR SIGAL GENERATOR	MG3700A	6200958092	ANRITSU COMPANY,INC		
	<i>Calibration Details</i>			<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration			2014/01/03	2015/01/02
	Calibration			2015/01/14	2016/01/14
	Calibration			2016/02/04	2017/02/04
	<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
	MX370000A CPU : 2.09			2011/12/22	2014/08/04
	Firmware Version : 2.01			2014/08/04	
VECTOR SIGAL GENERATOR	MG3710A	6201330171	ANRITSU COMPANY,INC		
	<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
	MX371000A CPU : 2.09			2014/05/05	2014/08/04
	Firmware Version : 2.01.01			2014/08/04	
W-CDMA SIGNALLING TESTER	MD8480C	6201006519	ANRITSU COMPANY,INC		
	<i>Calibration Details</i>			<i>Last Execution</i>	<i>Next Exec.</i>
	Calibration			2014/01/03	2015/01/02
	Calibration			2015/01/14	2016/01/14
	Calibration			2016/02/04	2017/02/04
	<i>HW/SW Status</i>			<i>Date of Start</i>	<i>Date of End</i>
	MX848000E (PC Control Software) : 7.60_S1			2013/05/21	
	MX848002E (FPGA) : 7.60a_MX848002E				
	MX848001E (Firmeare) : 7.60_MX848001E_s3				
	MX848005C (TDMA2) : 7.60				



**Single Devices for Anritsu ME7873 WCDMA RF Test System (continued)**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>	
WI-024 RRM test software	MX787116F	6201082804		
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	SW: v6.33.2		2013/07/19	2014/05/05
	SW: v6.36.2		2014/05/05	2014/10/27
	SW: v6.38.2		2014/10/27	2015/05/11
	SW: v6.40.2		2015/05/11	2015/08/14
SW: v6.41.2		2015/08/14		
WI-024/076 TRX performance test software	MX787106F	6201082798		
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	SW: v6.33.2		2013/07/19	2014/05/05
	SW: v6.36.2		2014/05/05	2014/10/27
	SW: v6.38.2		2014/10/27	2015/05/11
	SW: v6.40.2		2015/05/11	2015/08/14
SW: v6.41.2		2015/08/14		
WI-025 RRM test software	MX787117F	6201082811		
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	SW: v6.33.2		2013/07/19	2014/05/05
	SW: v6.36.2		2014/05/05	2014/10/27
	SW: v6.38.2		2014/10/27	2015/05/11
	SW: v6.40.2		2015/05/11	2015/08/14
SW: v6.41.2		2015/08/14		
WI-025 TRX performance test software	MX787107F	6201082808		
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	SW: v6.33.2		2013/07/19	2014/05/05
	SW: v6.36.2		2014/05/05	2014/10/27
	SW: v6.38.2		2014/10/27	2015/05/11
	SW: v6.40.2		2015/05/11	2015/08/14
SW: v6.41.2		2015/08/14		
WI-069 TRX performance test software	MX787122F	6201082813		
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	SW: v6.33.2		2013/07/19	2014/05/05
	SW: v6.36.2		2014/05/05	2014/10/27
	SW: v6.38.2		2014/10/27	2015/05/11
	SW: v6.40.2		2015/05/11	2015/08/14
SW: v6.41.2		2015/08/14		
WI-113 TRX performance test software	MX787124F	6201082816		
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	SW: v6.33.2		2013/07/19	2014/05/05
	SW: v6.36.2		2014/05/05	2014/10/27
	SW: v6.38.2		2014/10/27	2015/05/11
	SW: v6.40.2		2015/05/11	2015/08/14
SW: v6.41.2		2015/08/14		



**Test Equipment RSE Test System 1**

**Lab ID:** Lab 2  
**Manufacturer:** Bureau Veritas ADT  
**Description:** RSE Test System 1  
**Type:** RSE Test System  
**Serial Number:** n/a

**Single Devices for RSE Test System 1**

Single Device Name	Type	Serial Number	Manufacturer
26GHz ~ 40GHz Amplifier	EM26400	815221	
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Calibration		2013/10/18 2014/10/17
	Calibration		2014/10/18 2015/10/17
	Calibration		2015/10/18 2016/10/18
ADT_Radiated_V7.6.15.9 .3	ADT_Radiated	n/a	Bureau Veritas ADT
	<i>HW/SW Status</i>		<i>Date of Start Date of End</i>
	SW: V7.6.15.9.3		2010/02/01
Antenna Tower	MA 4000	MA 4000/012/6150303/L	Inn-co GmbH
BILOG Antenna	VULB 9168	9168-158	SCHWARZBECK
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Calibration		2014/02/27 2015/02/26
	Calibration		2015/02/04 2016/02/03
	Calibration		2016/01/18 2017/01/18
Controller	SI-300	130009	TDK RF.
HORN Antenna	3117	00034126	ETS
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Calibration		2013/08/22 2014/08/21
	Calibration		2014/08/25 2015/08/24
	Calibration		2015/02/05 2016/02/05
	Calibration		2016/01/18 2017/01/18
HORN Antenna	BBHA 9170	BBHA9170243	SCHWARZBECK
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Calibration		2015/02/05 2016/02/04
	Calibration		2016/01/20 2017/01/20
Loop Antenna	HFH2-Z2	100070	
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Calibration		2015/03/06 2017/03/05
Preamplifier	8447D	2944A10738	Agilent Technologies
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Calibration		2013/10/18 2014/10/17
	Calibration		2014/10/18 2015/10/17
	Calibration		2015/10/18 2016/10/18
Preamplifier	8449B	3008A01963	Agilent Technologies
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Calibration		2013/08/26 2014/08/25
	Calibration		2014/08/22 2015/08/21
	Calibration		2015/08/22 2016/08/22
Spectrum Analyzer	E4446A	MY51100056	Agilent Technologies
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>



Reference: MT160429C25\_R01

**Single Devices for RSE Test System 1 (continued)**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>	
	Calibration		2013/10/09	2014/10/08
	Calibration		2014/10/16	2015/10/15
	Calibration		2015/10/27	2016/10/27
Splitters/Combiners	ZN2PD-9G		Mini-Circuits	
Turn Table		SN40303		



**Test Equipment R&S TS8980 FTA2**

**Lab ID:** Lab 16  
**Manufacturer:** Rohde & Schwarz GmbH & Co. KG  
**Description:** GCF Conformance, PTCRB Conformance, R&TTE Radio Compliance  
**Type:** TS8980  
**Serial Number:** 100150

<i>HW/SW Status</i>	<i>Date of Start</i>	<i>Date of End</i>
GSM Revision : 1.90 WCDMA Revision : 2.80 RS contest - Contest base : v14.30	2015/10/07	
-----		
GSM Revision : 1.80 WCDMA Revision : 2.70 RS contest - Contest base : v14.01 , v14.02	2015/07/08	
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**Single Devices for R&S TS8980 FTA2**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>
Antenna Coupler for Mobile phones	CMW-Z10	102594	
Antenna Multiplexer	TS-AntMux	101484	
Average Power Sensor	NRP-Z31	102825	
	<i>Calibration Details</i>		<i>Last Execution Next Execution</i>
	Accredited Calibration		2014/06/13 2016/06/13
Baseband Signal Generator #1	AMU200A	100988	
	<i>Calibration Details</i>		<i>Last Execution Next Execution</i>
	Accredited Calibration		2014/06/04 2017/06/04
Baseband Signal Generator #2	AMU200A	100987	
	<i>Calibration Details</i>		<i>Last Execution Next Execution</i>
	Accredited Calibration		2014/06/04 2017/06/04
Control PC	TSCTRLPC1	101483	
DC Power Supply	NGMO1	101024	
	<i>Calibration Details</i>		<i>Last Execution Next Execution</i>
	Accredited Calibration		2014/06/12 2015/06/12
	Accredited Calibration		2015/06/09 2016/06/09
DC Power Supply	NGMO1	101084	
	<i>Calibration Details</i>		<i>Last Execution Next Execution</i>
	Accredited Calibration		2015/07/01 2016/06/30
Rubidium Frequency Standard	CS-RUB6	100370	
	<i>Calibration Details</i>		<i>Last Execution Next Execution</i>
	Accredited Calibration		2014/06/11 2015/06/11
	Accredited Calibration		2015/05/23 2016/05/23
	Accredited Calibration		2016/05/23 2017/05/23
Signal Generator	SMF100A	104529	
	<i>Calibration Details</i>		<i>Last Execution Next Execution</i>
	Accredited Calibration		2014/06/05 2017/06/05
Signalling Unit #1	CMW500	147489	
	<i>Calibration Details</i>		<i>Last Execution Next Execution</i>
	Accredited Calibration		2014/06/13 2016/06/13
	<i>HW/SW Status</i>		<i>Date of Start Date of End</i>
	Firmware Version : 3.2.51		2014/08/20
Signalling Unit #2	CMW500	147490	



Reference: MT160429C25\_R01

**Single Devices for R&S TS8980 FTA2 (continued)**

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Execution</i>
	Accredited Calibration		2014/06/11	2016/06/11
	<i>HW/SW Status</i>		<i>Date of Start</i>	<i>Date of End</i>
	Firmware Version : 3.2.51		2014/08/20	
Spectrum Analyzer	FSW26	101999		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Execution</i>
	Accredited Calibration		2014/06/12	2015/06/12
	Accredited Calibration		2015/06/09	2016/06/09
TS8980 MIMO4x4 SSCU	SSCU-MIMO	101051		
Tunable Filter	TS-TUFI 1	101492		
Vector Signal Generator	SMW200A	101280		
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Execution</i>
	Accredited Calibration		2014/06/12	2017/06/12
	Accredited Calibration		2015/07/03	2018/07/03



Reference: MT160429C25\_R01

### **4.3 Additional Information for Test Result**

TS 51.010-1 Requirement		GSM 900				DCS 1800			
Test Case	Test Description	Cat	EUT	Verdict	TP	Cat	EUT	Verdict	TP
12.1.1	Conducted spurious emissions - MS allocated a channel	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Normal Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Normal Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
12.1.2	Conducted spurious emissions - MS in idle mode	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Normal Temperature / High Voltage	A	07.01.01	PASS	TP36_BV SZ	A	07.01.01	PASS	TP36_BV SZ
	Normal Temperature / Low Voltage	A	07.01.01	PASS	TP36_BV SZ	A	07.01.01	PASS	TP36_BV SZ
12.2.1	Radiated spurious emissions, MS allocated a channel	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	---	06.01.01	PASS	TP006_BV TW	---	06.01.01	PASS	TP006_BV
12.2.2	Radiated spurious emissions, MS in idle	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	---	06.01.01	PASS	TP006_BV TW	---	06.01.01	PASS	TP006_BV
13.1	Transmitter - Frequency error and phase	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Vibration - X Axis	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Vibration - Y Axis	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
13.2	Transmitter - Frequency error under multipath and interference conditions	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
13.3.4.1	Transmitter output power and burst timing - MS with permanent	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	08.01.01	PASS	TP98_BV SZ
13.4	Transmitter - Output RF spectrum	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
13.16.1	Frequency error and phase error in GPRS multislot configuration	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Vibration - Z Axis	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
13.16.2-1	Transmitter output power in GPRS multislot configuration -MS with permanent or temporary antenna	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	08.01.01	PASS	TP98_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	08.01.01	PASS	TP98_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	01.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	08.01.01	PASS	TP98_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	08.01.01	PASS	TP98_BV SZ
13.16.3	Output RF spectrum in GPRS multislot configuration	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ

TS 51.010-1 Requirement		GSM 900				DCS 1800			
Test Case	Test Description	Cat	EUT	Verdict	TP	Cat	EUT	Verdict	TP
13.17.1	Frequency error and Modulation accuracy	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
13.17.2	Frequency error under multipath and interference conditions	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
13.17.3-1	EGPRS Transmitter output power-MS with permanent or temporary antenna	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
13.17.4	Output RF spectrum	---	---	---	---	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
14.7.1	Blocking and spurious response - speech channels	A	02.01.01	PASS	TP36_BV SZ	A	02.01.01	PASS	TP36_BV SZ
14.18.5	Blocking and spurious response	A	07.01.01	PASS	TP05_BV TW	A	08.01.01	PASS	TP36_BV SZ

TS 34.121-1 Requirement		UTRA/FDD I			
Test Case	Test Description	Cat	EUT	Verdict	TP
5.2	Maximum Output Power	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
5.2B	Maximum Output Power with HS-DPCCH and E-DCH	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
5.4.3	Output Power Dynamics in the Uplink / Power control is used to limit the interference level / Minimum Output Power	---	---	--	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
5.4.4	Output Power Dynamics in the Uplink / Power control is used to limit the interference level / Out-of-synchronisation handling of output power	A	02.01.01	PASS	TP36_BV SZ
5.4.4A	Out-of-synchronization handling of output power for a UE which supports type1 for DCH (Rel-7)	A	01.01.01	PASS	TP57_BV TW
5.9	Spectrum emission mask	A	02.01.01	PASS	TP36_BV SZ
5.9A	Spectrum Emission Mask with HS-DPCCH	A	02.01.01	PASS	TP36_BV SZ
5.9B	Spectrum Emission Mask with E-DCH	A	02.01.01	PASS	TP36_BV SZ
5.10	Transmitter Characteristics / Adjacent Channel Leakage Power Ratio (ACLR)	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
5.10A	Adjacent Channel Leakage Power Ratio (ACLR) with HS-DPCCH	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
5.10B	Adjacent Channel Leakage Power Ratio (ACLR) with E-DCH	---	---	---	---
	Normal Temperature / Normal Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	High Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / High Voltage	A	02.01.01	PASS	TP36_BV SZ
	Low Temperature / Low Voltage	A	02.01.01	PASS	TP36_BV SZ
5.11	Transmitter Characteristics / Spurious Emissions	A	02.01.01	PASS	TP36_BV SZ
6.2	Reference Sensitivity Level	A	02.01.01	PASS	TP36_BV SZ
6.4	Receiver Characteristics / Adjacent Channel Selectivity (ACS) (Rel-99 and Rel-4)	A	---	---	---
6.4A	Receiver Characteristics Adjacent Channel Selectivity (ACS) (Rel-5 and later releases)	A	08.01.01	PASS	TP57_BV TW
6.5	Receiver Characteristics / Blocking Characteristics	A	02.01.01	PASS	TP36_BV SZ
6.6	Receiver Characteristics / Spurious Response	A	02.01.01	PASS	TP36_BV SZ
6.7	Receiver Characteristics / Intermodulation Characteristics	A	02.01.01	PASS	TP36_BV SZ
6.8	Receiver Characteristics / Spurious Emissions	A	02.01.01	PASS	TP36_BV SZ

TS 34.121-1 Requirement		UTRA/FDD VIII			
Test Case	Test Description	Cat	EUT	Verdict	TP
5.2	Maximum Output Power	---	---	---	---
	Normal Temperature / Normal Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
5.2B	Maximum Output Power with HS-DPCCH and E-DCH	---	---	---	---
	Normal Temperature / Normal Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
5.4.3	Output Power Dynamics in the Uplink / Power control is used to limit the interference level / Minimum Output Power	---	---	--	---
	Normal Temperature / Normal Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
5.4.4	Output Power Dynamics in the Uplink / Power control is used to limit the interference level / Out-of-synchronisation handling of output power	A	01.01.01	PASS	TP57_BV TW
5.4.4A	Out-of-synchronization handling of output power for a UE which supports type1 for DCH (Rel-7)	A	01.01.01	PASS	TP57_BV TW
5.9	Spectrum emission mask	A	01.01.01	PASS	TP57_BV TW
5.9A	Spectrum Emission Mask with HS-DPCCH	A	01.01.01	PASS	TP57_BV TW
5.9B	Spectrum Emission Mask with E-DCH	A	01.01.01	PASS	TP57_BV TW
5.10	Transmitter Characteristics / Adjacent Channel Leakage Power Ratio (ACLR)	---	---	---	---
	Normal Temperature / Normal Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
5.10A	Adjacent Channel Leakage Power Ratio (ACLR) with HS-DPCCH	---	---	---	---
	Normal Temperature / Normal Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
5.10B	Adjacent Channel Leakage Power Ratio (ACLR) with E-DCH	---	---	---	---
	Normal Temperature / Normal Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	High Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / High Voltage	A	01.01.01	PASS	TP57_BV TW
	Low Temperature / Low Voltage	A	01.01.01	PASS	TP57_BV TW
5.11	Transmitter Characteristics / Spurious Emissions	A	01.01.01	PASS	TP57_BV TW
6.2	Reference Sensitivity Level	A	01.01.01	PASS	TP57_BV TW
6.4	Receiver Characteristics / Adjacent Channel Selectivity (ACS) (Rel-99 and Rel-4)	A	---	---	---
6.4A	Receiver Characteristics Adjacent Channel Selectivity (ACS) (Rel-5 and later releases)	A	07.01.01	PASS	TP57_BV TW
6.5	Receiver Characteristics / Blocking Characteristics	A	01.01.01	PASS	TP57_BV TW
6.6	Receiver Characteristics / Spurious Response	A	01.01.01	PASS	TP57_BV TW
6.7	Receiver Characteristics / Intermodulation Characteristics	A	01.01.01	PASS	TP57_BV TW
6.8	Receiver Characteristics / Spurious Emissions	A	01.01.01	PASS	TP57_BV TW

TS 34.121-1 Requirement		EUTRA/FDD 3			
Test Case	Test Description	Cat	EUT	Verdict	TP
6.2.2	<b>Transmitter maximum output power</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
	TL/VL	A	01.01.01	Passed	TP104_BV SZ
	TL/VH	A	01.01.01	Passed	TP104_BV SZ
	TH/VL	A	01.01.01	Passed	TP104_BV SZ
	TH/VH	A	01.01.01	Passed	TP104_BV SZ
6.3.2	<b>Transmitter minimum output power</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
	TL/VL	A	01.01.01	Passed	TP104_BV SZ
	TL/VH	A	01.01.01	Passed	TP104_BV SZ
	TH/VL	A	01.01.01	Passed	TP104_BV SZ
	TH/VH	A	01.01.01	Passed	TP104_BV SZ
6.6.2.1	<b>Transmitter spectrum emission mask</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
6.6.2.3	<b>Transmitter adjacent channel leakage power ratio</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
	TL/VL	A	01.01.01	Passed	TP104_BV SZ
	TL/VH	A	01.01.01	Passed	TP104_BV SZ
	TH/VL	A	01.01.01	Passed	TP104_BV SZ
	TH/VH	A	01.01.01	Passed	TP104_BV SZ
6.6.3.1	<b>Transmitter spurious emissions</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
6.6.3.2	<b>Spurious emission band UE co-existence</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.5	<b>Receiver adjacent channel selectivity (ACS)</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.6.1	<b>Receiver blocking characteristics</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.6.2	<b>Receiver blocking characteristics</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.6.3	<b>Receiver blocking characteristics</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.7	<b>Receiver spurious response</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.8	<b>Receiver intermodulation characteristics</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.9	<b>Receiver spurious emissions</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ



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Test Case	Test Description	Cat	EUT	Verdict	TP
6.2.2	<b>Transmitter maximum output power</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
	TL/VL	A	01.01.01	Passed	TP104_BV SZ
	TL/VH	A	01.01.01	Passed	TP104_BV SZ
	TH/VL	A	01.01.01	Passed	TP104_BV SZ
	TH/VH	A	01.01.01	Passed	TP104_BV SZ
6.3.2	<b>Transmitter minimum output power</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
	TL/VL	A	01.01.01	Passed	TP104_BV SZ
	TL/VH	A	01.01.01	Passed	TP104_BV SZ
	TH/VL	A	01.01.01	Passed	TP104_BV SZ
	TH/VH	A	01.01.01	Passed	TP104_BV SZ
6.6.2.1	<b>Transmitter spectrum emission mask</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
6.6.2.3	<b>Transmitter adjacent channel leakage power ratio</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
	TL/VL	A	01.01.01	Passed	TP104_BV SZ
	TL/VH	A	01.01.01	Passed	TP104_BV SZ
	TH/VL	A	01.01.01	Passed	TP104_BV SZ
	TH/VH	A	01.01.01	Passed	TP104_BV SZ
6.6.3.1	<b>Transmitter spurious emissions</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
6.6.3.2	<b>Spurious emission band UE co-existence</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.5	<b>Receiver adjacent channel selectivity (ACS)</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.6.1	<b>Receiver blocking characteristics</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.6.2	<b>Receiver blocking characteristics</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.6.3	<b>Receiver blocking characteristics</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.7	<b>Receiver spurious response</b>	---	---	--	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.8	<b>Receiver intermodulation characteristics</b>	---	---	--	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ
7.9	<b>Receiver spurious emissions</b>	---	---	--	---
	NV/NT	A	01.01.01	Passed	TP104_BV SZ

TS 34.121-1 Requirement		EUTRA/TDD40			
Test Case	Test Description		EUT	Verdict	TP
6.2.2	<b>Transmitter maximum output power</b>	---	---	---	---
	NV/NT	A	05.01.01	Passed	TP104_BV TW
	TL/VL	A	05.01.01	Passed	TP104_BV TW
	TL/VH	A	05.01.01	Passed	TP104_BV TW
	TH/VL	A	05.01.01	Passed	TP104_BV TW
	TH/VH	A	05.01.01	Passed	TP104_BV TW
6.3.2	<b>Transmitter minimum output power</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV TW
	TL/VL	A	01.01.01	Passed	TP104_BV TW
	TL/VH	A	01.01.01	Passed	TP104_BV TW
	TH/VL	A	01.01.01	Passed	TP104_BV TW
	TH/VH	A	01.01.01	Passed	TP104_BV TW
6.6.2.1	<b>Transmitter spectrum emission mask</b>	---	---	---	---
	NV/NT	A	05.01.01	Passed	TP104_BV TW
6.6.2.3	<b>Transmitter adjacent channel leakage power ratio</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV TW
	TL/VL	A	05.01.01	Passed	TP104_BV TW
	TL/VH	A	05.01.01	Passed	TP104_BV TW
	TH/VL	A	05.01.01	Passed	TP104_BV TW
	TH/VH	A	05.01.01	Passed	TP104_BV TW
6.6.3.1	<b>Transmitter spurious emissions</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV TW
6.6.3.2	<b>Spurious emission band UE co-existence</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV TW
7.5	<b>Receiver adjacent channel selectivity (ACS)</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV TW
7.6.1	<b>Receiver blocking characteristics</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV TW
7.6.2	<b>Receiver blocking characteristics</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV TW
7.6.3	<b>Receiver blocking characteristics</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV TW
7.7	<b>Receiver spurious response</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV TW
7.8	<b>Receiver intermodulation characteristics</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV TW
7.9	<b>Receiver spurious emissions</b>	---	---	---	---
	NV/NT	A	01.01.01	Passed	TP104_BV TW



Reference: MT160429C25\_R01

**RELEASE CONTROL RECORD**

ISSUE NO.	REASON FOR CHANGE	DTAE ISSUED
MT160429C30_R01	Original release	Jun 13, 2016

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