



InterLab[®] Final Report on BLE121LR

Report Reference: MDE_BGIGA_1301_RFa

Date: March 19, 2014

Test Laboratory:

7Layers AG
Borsigstr. 11
40880 Ratingen
Germany



Note:

The following test results relate only to the devices specified in this document. This report shall not be reproduced in parts without the written approval of the test laboratory.

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1 Administrative Data

1.1 Project Data

Project Responsible: Patrick Menge
Date Of Test Report: 2014/03/19
Date of first test: 2014/03/14
Date of last test: 2014/03/14

1.2 Applicant Data

Company Name: Bluegiga Technologies Oy
Street: Bluegiga Technologies Oy
Sinikalliontie 5A
P.O. Box 120
02630 Espoo, Finland
Contact Person: Pasi Rahikkala
Phone: +350 40 704 7953

1.3 Test Laboratory Data

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

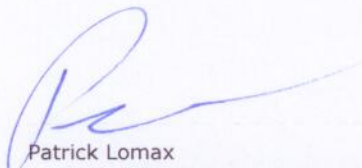
7 layers DE

Company Name : 7 layers AG
Street : Borsigstrasse 11
City : 40880 Ratingen
Country : Germany
Contact Person : Mr. Michael Albert
Phone : +49 2102 749 201
Fax : +49 2102 749 444
E Mail : michael.albert@7Layers.de

Laboratory Details

<i>Lab ID</i>	<i>Identification</i>	<i>Responsible</i>	<i>Accreditation Info</i>
Lab 1	InterLab Bluetooth RF Test Solution	Mr. Jimmy Chatheril Mr. Soeren Berentzen	accredited BQTF by BQRB dated 2001/06/29 & 2002/08/26 accredited test facility by DAkkS-Registration no. D-PL-12140-01-01

1.4 Signature of the Testing Responsible



Patrick Lomax
responsible for tests performed in: Lab 1

1.5 Signature of the Accreditation Responsible



Accreditation scope responsible person
responsible for Lab 1

2 Test Object Data

2.1 General OUT Description

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

OUT: BLE121LR

Type / Model / Family: BLE121LR

2.2 Detailed Description of OUT Samples

Sample : A01

OUT Identifier	BLE121LR		
Sample Description	Conducted Sample		
Serial No.	E204460 M1S94V-0		
Low Voltage	2 V	Low Temp.	-40 °C
High Voltage	3.6 V	High Temp.	85 °C
Nominal Voltage	3.3 V	Normal Temp.	23 °C

Parameter List:

Parameter Description	Value
Parameter for Scope Bluetooth_v2	
Additional_RF_Loss	0.0 (dB)
Intermod_Test_Number	5 (N/A)
Max_Antenna_Gain	0 (dBi)
OUT_RX_Image_Freq	-2 (MHz)
Unmodulated_Part_Before_LE	5 (us)

2.3 OUT Features

Features for OUT: BLE121LR

Designation	Description	Allowed Values	Supported Value(s)
Features for scope: Bluetooth_v2			
RF.1/2	Power Class (Value 2)	1, 2, 3	2
RF-PHY.1/1	LE Transmitter (Non-connectable, Broadcaster)		
RF-PHY.1/2	LE Receiver (Non-connectable Observer)		
RF-PHY.1/3	LE Transceiver (Connectable, Peripheral/Central)		
RF-PHY.2/1	HCI Test Interface		
RF-PHY.2/2	UART Test Interface		

2.4 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>
S01_A01		
Sample: A01	Conducted Sample	

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.

Note:

1. All tests are performed under environmental conditions within the requirements of the specifications. Environmental conditions are available at the test facility.

3.2 List of the Applicable Body

(Body for Scope: Bluetooth_v2)

<i>Designation</i>	<i>Description</i>
SIG TCRL Core - 2013-12-03	Test Case Reference List for Core and Host version 2.0 - 4.0 released 2013-07-09 (TCRL-2013-2)

3.3 List of Test Specification

<i>Test Specification:</i>	RF-PHY 4.0
<i>Date / Version</i>	2013/07/02 Version: RF-PHY.TS.4.0.3
<i>Title:</i>	Bluetooth LE Controller Specification
<i>Description:</i>	Bluetooth Low Energy RF PHY Test Specification

3.4 Summary

<i>Test Case Identifier / Name</i> <i>Test (condition)</i>	<i>Cat</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab</i> <i>Ref.</i>	<i>Setup</i>
RCV-LE/CA/01/C Receiver sensitivity at (NOC)					
RCV-LE/CA/01/C: VN, TN, LE-Test, RX 2402, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/01/C: VN, TN, LE-Test, RX 2426, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/01/C: VN, TN, LE-Test, RX 2440, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/01/C: VN, TN, LE-Test, RX 2480, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C Receiver sensitivity at (EOC)					
RCV-LE/CA/02/C: VH, TH, LE-Test, RX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VH, TH, LE-Test, RX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VH, TH, LE-Test, RX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VH, TH, LE-Test, RX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VH, TL, LE-Test, RX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VH, TL, LE-Test, RX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VH, TL, LE-Test, RX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VH, TL, LE-Test, RX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VL, TH, LE-Test, RX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VL, TH, LE-Test, RX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VL, TH, LE-Test, RX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VL, TH, LE-Test, RX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VL, TL, LE-Test, RX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VL, TL, LE-Test, RX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VL, TL, LE-Test, RX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/02/C: VL, TL, LE-Test, RX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/03/C C/I and receiver selectivity performance					
RCV-LE/CA/03/C: VN, TN, LE-Test, RX 2402, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/03/C: VN, TN, LE-Test, RX 2406, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/03/C: VN, TN, LE-Test, RX 2426, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/03/C: VN, TN, LE-Test, RX 2440, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/03/C: VN, TN, LE-Test, RX 2476, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/03/C: VN, TN, LE-Test, RX 2480, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/04/C Blocking performance					
RCV-LE/CA/04/C: VN, TN, LE-Test, RX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01



<i>Test Case Identifier / Name</i> <i>Test (condition)</i>	<i>Cat</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab</i> <i>Ref.</i>	<i>Setup</i>
RCV-LE/CA/05/C Intermodulation performance					
RCV-LE/CA/05/C: VN, TN, LE-Test, RX 2402, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/05/C: VN, TN, LE-Test, RX 2426, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/05/C: VN, TN, LE-Test, RX 2440, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/05/C: VN, TN, LE-Test, RX 2480, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/06/C Maximum input signal level					
RCV-LE/CA/06/C: VN, TN, LE-Test, RX 2402, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/06/C: VN, TN, LE-Test, RX 2426, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/06/C: VN, TN, LE-Test, RX 2440, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/06/C: VN, TN, LE-Test, RX 2480, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/07/C PER Report Integrity					
RCV-LE/CA/07/C: VN, TN, LE-Test, RX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
RCV-LE/CA/07/C: VN, TN, LE-Test, RX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/01/C Output power at (NOC)					
TRM-LE/CA/01/C: VN, TN, LE-Test, TX 2402, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/01/C: VN, TN, LE-Test, TX 2426, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/01/C: VN, TN, LE-Test, TX 2440, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/01/C: VN, TN, LE-Test, TX 2480, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01



<i>Test Case Identifier / Name</i>	<i>Cat</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab Ref.</i>	<i>Setup</i>
TRM-LE/CA/02/C Output power at (EOC)					
TRM-LE/CA/02/C: VH, TH, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VH, TH, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VH, TH, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VH, TH, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VH, TL, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VH, TL, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VH, TL, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VH, TL, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VL, TH, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VL, TH, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VL, TH, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VL, TH, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VL, TL, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VL, TL, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VL, TL, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/02/C: VL, TL, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/03/C In-band emissions at (NOC)					
TRM-LE/CA/03/C: VN, TN, LE-Test, TX 2402, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/03/C: VN, TN, LE-Test, TX 2406, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/03/C: VN, TN, LE-Test, TX 2426, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/03/C: VN, TN, LE-Test, TX 2440, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/03/C: VN, TN, LE-Test, TX 2476, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/03/C: VN, TN, LE-Test, TX 2480, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01



<i>Test Case Identifier / Name</i>	<i>Cat</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab Ref.</i>	<i>Setup</i>
TRM-LE/CA/04/C In-band emissions at (EOC)					
TRM-LE/CA/04/C: VH, TH, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VH, TH, LE-Test, TX 2406, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VH, TH, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VH, TH, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VH, TH, LE-Test, TX 2476, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VH, TH, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VH, TL, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VH, TL, LE-Test, TX 2406, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VH, TL, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VH, TL, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VH, TL, LE-Test, TX 2476, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VH, TL, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TH, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TH, LE-Test, TX 2406, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TH, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TH, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TH, LE-Test, TX 2476, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TH, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TL, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TL, LE-Test, TX 2406, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TL, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TL, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TL, LE-Test, TX 2476, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/04/C: VL, TL, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/05/C Modulation characteristics					
TRM-LE/CA/05/C: VN, TN, LE-Test, TX 2402, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/05/C: VN, TN, LE-Test, TX 2426, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/05/C: VN, TN, LE-Test, TX 2440, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/05/C: VN, TN, LE-Test, TX 2480, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01



<i>Test Case Identifier / Name</i>	<i>Cat</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab Ref.</i>	<i>Setup</i>
TRM-LE/CA/06/C Carrier frequency offset and drift at (NOC)					
TRM-LE/CA/06/C: VN, TN, LE-Test, TX 2402, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/06/C: VN, TN, LE-Test, TX 2426, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/06/C: VN, TN, LE-Test, TX 2440, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/06/C: VN, TN, LE-Test, TX 2480, MaxPower	A	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C Carrier frequency offset and drift at (EOC)					
TRM-LE/CA/07/C: VH, TH, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VH, TH, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VH, TH, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VH, TH, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VH, TL, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VH, TL, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VH, TL, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VH, TL, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VL, TH, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VL, TH, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VL, TH, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VL, TH, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VL, TL, LE-Test, TX 2402, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VL, TL, LE-Test, TX 2426, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VL, TL, LE-Test, TX 2440, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01
TRM-LE/CA/07/C: VL, TL, LE-Test, TX 2480, MaxPower	B	Passed	2014/03/14	Lab 1	S01_A01

4 Test Equipment Details

4.1 List of Used Test Equipment

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

Test Equipment InterLab Bluetooth RF Test Solution - Setup C

Lab ID:	Lab 1		
<i>Manufacturer:</i>	7 layers, Inc.		
<i>Description:</i>	Bluetooth BDR/EDR and LE RF Conformance Test System		
<i>Type:</i>	InterLab BT RF		
	<i>HW/SW Status</i>	<i>Date of Start</i>	<i>Date of End</i>
	Bluetooth RF Test Solution (version 3.0.1p3)	2013/08/05	

Single Devices for InterLab Bluetooth RF Test Solution - Setup C

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>
ADU 200 Relay Box 7	Relay Box	A04380	Ontrak Control Systems Inc.
Bluetooth Signalling Unit CBT	CBT	100302	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Standard calibration		2013/08/28 2014/08/27
Bluetooth Signalling Unit CBT	CBT	100589	Rohde & Schwarz GmbH & Co. KG
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Standard calibration		2011/11/24 2014/11/23
Power Meter NRVD	NRVD	832025/059	
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Standard calibration		2013/08/26 2014/08/25
Power Sensor NRV Z1 A	PROBE	832279/013	
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Standard calibration		2013/08/28 2014/08/27
Power Supply	NGSM 32/10	2725	
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Standard calibration		2013/06/14 2015/06/13
Rubidium Frequency Normal MFS	Datum MFS	002	Datum GmbH
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Standard calibration		2013/08/27 2014/08/26
Signal Analyser	FSIQ26	832695/007	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Standard Calibration		2012/08/13 2014/08/12
	<i>HW/SW Status</i>		<i>Date of Start Date of End</i>
	Firmware Update from 2.30 to 4.40.3		2010/01/11
Signal Generator SMP	SMP02	829076/017	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>
	Standard Calibration		2011/11/22 2014/12/19
	Standard Calibration		2013/04/18 2016/04/17
TOCT Switching Unit	Switching Unit	040107	7 layers, Inc.
Vector Signal Generator SMIQ03B	SMIQ03B	832870/017	
	<i>Calibration Details</i>		<i>Last Execution Next Exec.</i>

Single Devices for InterLab Bluetooth RF Test Solution - Setup C (continued)

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>
	Standard calibration		2013/06/21 2016/06/20

Test Equipment Multimeter 12

Lab ID: Lab 1
Description: Ex-Tech 520
Serial Number: 05157876

Single Devices for Multimeter 12

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>
Digital Multimeter 12 (Multimeter)	EX520	05157876	Extech Instruments Corp.
	<i>Calibration Details</i>		<i>Last Execution</i> <i>Next Exec.</i>
	Customized calibration		2013/12/04 2015/12/03

Test Equipment Shielded Room 07

Lab ID: Lab 1
Description: Shielded Room 4m x 6m

Test Equipment T/H Logger 04

Lab ID: Lab 1
Description: Lufft Opus10
Serial Number: 7481

Single Devices for T/H Logger 04

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>
ThermoHygro Datalogger 04 (Environ)	Opus10 THI (8152.00)	7481	Lufft Mess- und Regeltechnik GmbH

Test Equipment Temperature Chamber 01

Lab ID: Lab 1
Manufacturer: see single devices
Description: Temperature Chamber KWP 120/70
Type: Weiss
Serial Number: see single devices

Single Devices for Temperature Chamber 01

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>
Temperature Chamber Weiss 01	KWP 120/70	59226012190010	Weiss Umwelttechnik GmbH

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