



Inter|Lab®

Final Report on F2M03ALA

Report Reference: MDE_FREE2_0801_RFa

Date: Juni 24, 2008

Test Laboratory:

7 layers AG
Borsigstr. 11
40880 Ratingen
Germany



DAT-P-192/99-01

Note:

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

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René Schildknecht

Registergericht • registered in:
Düsseldorf, HRB 44096
USt-IdNr • VAT No:
DE 203159652
TAX No. 147/5869/0385

1 Administrative Data

1.1 Project Data

Project Responsible: Carsten Steinröder
Date Of Test Report: 2008/06/24
Date of first test: 2008/05/09
Date of last test: 2008/05/16

1.2 Applicant Data

Company Name: Free2move AB
Street: Sperlingsgatan 7
City: 30248 Halmstad
Country: Sweden

Contact Person: Mr. Ulf Paulsson
Function: Production and Quality Manager
Phone: +46 35 152267
Fax: +46 35 152269
Mobile: +46 70 65 61 655
E-Mail: ulf.paulsson@free2move.net

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

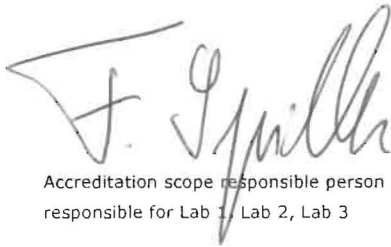
Lab ID	Identification	Responsible	Accreditation Info
Lab 1	8960	Mr. Jimmy Chatheril Mr. Sören Berentzen	accredited BQTF by BQRB dated 2001/06/29 & 2002/08/26 accredited test facility by DAR, registration number DAT-P-192/99-01
Lab 2	InterLab EDR Test Solution - Setup A	Mr. Jimmy Chatheril Mr. Sören Berentzen	accredited BQTF by BQRB dated 2001/06/29 & 2002/08/26 accredited test facility by DAR, registration number DAT-P-192/99-01
Lab 3	InterLab EDR Test Solution - Setup B	Mr. Jimmy Chatheril Mr. Sören Berentzen	accredited BQTF by BQRB dated 2001/06/29 & 2002/08/26 accredited test facility by DAR, registration number DAT-P-192/99-01

1.4 Signature of the Testing Responsible

A handwritten signature in black ink, appearing to read 'JA. Chatheril'.

Jimmy Chatheril
responsible for tests performed in: Lab 1, Lab 2, Lab 3

1.5 Signature of the Accreditation Responsible

A handwritten signature in black ink, appearing to read 'F. G. Smith'.

Accreditation scope responsible person
responsible for Lab 1, Lab 2, Lab 3

2 Test Object Data

2.1 General OUT Description

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

OUT: F2M03ALA

Type / Model / Family:	F2M03ALA
Product Category:	Module
Manufacturer:	
Company Name:	Free2move AB
Street:	Sperlingsgatan 7
City:	30248 Halmstad
Country:	Sweden
Company URL:	http://www.free2move.net
Contact Person:	Mr. Ulf Paulsson
Function:	Production and Quality Manager
Phone:	+46 35 152267
Mobile:	+46 70 65 61 655
E-Mail:	ulf.paulsson@free2move.net

Parameter List:

Parameter name	Value
Parameter for Scope :	
Antenna gain	2.0 (dBi)
DC Power Supply	3.3 (V)
highest channel	2480 (MHz)
lowest channel	2402 (MHz)
mid channel	2441 (MHz)
Parameter for Scope Bluetooth_v1:	
EMMI_CMD_OFF_BT	(int) runfile switch_off.bat (ret) true
EMMI_CMD_ON_BT	(int) runfile switch_off.bat (int) wait 2 (int) runfile switch_on.bat (int) wait 2 (ret) true
EMMI_CMD_RESET_BT	(int) runfile BCreset.bat
EMMI_CMD_TESTMODE_BT	(int) runfile BCtestmode.bat
Prospective Date of Listing	31.12.2008
Parameter for Scope RADIO_v1:	
Antenna gain	2.0 (dBi)
Assigned frequency band	2400 - 2483.5 (MHz)
Operating frequency	FHSS
Power class	Class 2
Type of modulation	GFSK, Pi/4 DQPSK and 8-DPSK

2.2 Detailed Description of OUT Samples

Sample : a01

<i>OUT Identifier</i>	F2M03ALA		
<i>Sample Description</i>	RF conducted sample		
<i>Serial No.</i>	n/a		
<i>HW Status</i>	1000 85 01		
<i>SW Status</i>	23d		
<i>Date of Receipt</i>	2008/05/07		
<i>Low Voltage</i>	2.2 V	<i>Low Temp.</i>	-40 °C
<i>High Voltage</i>	4.2 V	<i>High Temp.</i>	+85 °C
<i>Nominal Voltage</i>	3.3 V	<i>Normal Temp.</i>	20 °C

Parameter List:

<i>Parameter Description</i>	<i>Value</i>	
Parameter for Scope Bluetooth_v1		
Additional_RF_Loss	0.0 (dB)	
BD-ADDR	000BCE031398	(n/a)
Host_Connection_Request	True	(n/a)
Inquiry_Before_Connect	True	(n/a)
Intermod_Interferer_Pair_Below	False	(n/a)
Intermod_Test_Number	5	(n/a)
Max_Antenna_Gain	2.0 (dBi)	
OUT_RX_Image_Freq	-3 (MHz)	
PIN_Code	0000	
Power_Control_Delay	1000 (us)	
Preferred_Test_Mode	Loopback	(n/a)
Test_Mode_Delay	0 (us)	
Test_Mode_Enable	2 (n/a)	
Unmodulated_Part_After	0 (us)	
Unmodulated_Part_Before	25 (us)	

2.3 OUT Features

Features for OUT: F2M03ALA

Designation	Description	Allowed Values	Supported Value(s)
Features for scope: Bluetooth_v1			
RF.1/1	Power Class (Value 2)		2
RF.1/2	Power Control		
RF.1/3	1-slot packets supported		
RF.1/4	3-slot packets supported		
RF.1/5	5-slot packets supported		
RF.1/6	79 Channels		
RF.1/7	Support for GFSK modulation		
RF.1/8	Support for pi/4-DQPSK modulation		
RF.1/9	Support for 8DPSK modulation		
Additional information for scope: Bluetooth_v1			
CatA			
CatB			
CatC			
CatD			
mandatory			
RF2.1			
TH			
TL			
TN			
VH			
VL			
VN			
Features for scope: RADIO_v1			
AFB	frequency band within which the device is authorized to operate; Industrial, Scientific and Medical (ISM) band	433.05 - 434.79 867 - 870 2400 - 2483.5	
FHSS	Type of modulation FHSS	FHSS	
Gant	the maximum gain of the used antenna.		
HT	the extreme operating conditions that apply to the equipment offered for testing		
HV	the extreme operating conditions that apply to the equipment offered for testing		
Iant	permanent fixed antenna, which may be built-in, designed as an indispensable part of the equipment		
LT	the extreme operating conditions that apply to the equipment offered for testing		
LV	the extreme operating conditions that apply to the equipment offered for testing		
NT	the normal operating conditions that apply to the equipment offered for testing		
NV	the normal operating conditions that apply to the equipment offered for testing		
PC	The radio equipment, covered by the classification SRD is divided into several power classes based on maximum output power. The power class designation is based on CEPT/ERC Recommendation 70-03 or ERC Decisions.		
PCL	equipment has alternative output power levels. RF power is adjustable.		
TantC	temporary antenna connector, which may be only built-in for testing, designed as an example part of the equipment		

Features for OUT: F2M03ALA

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
ToM1M	the device use GFSK modulation, 1Mbps BDR	FHSS DSSS other	
ToM2M	the device use Pi/4 QPSK modulation, 2Mbps EDR		
ToM3M	the device use 8 DPSK modulation, 3Mbps EDR		
TR	combined device of transmitter and receiver.		

2.4 Auxiliary Equipment

<i>AE No.</i>	<i>Type Designation</i>	<i>Serial No.</i>	<i>HW Status</i>	<i>SW Status</i>	<i>Description</i>
AE 01	F2M02BM1	10378	1000 78 01	n.a	Evaluation Board

2.5 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>

A01 (RF Test Setup)

<i>Sample:</i> a01	RF conducted sample	AE 01	Evaluation Board
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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

(Body for Scope: Bluetooth_v1)

<i>Designation</i>	<i>Description</i>
SIG TCRL 2.1 - 2007-09-17 Updated Requirements	Test Case Reference List for Core and Host version 2.1 released 2007-09-17

3.3 List of Test Specification

Test Specification: **RF 2.1**

Date / Version 2008/04/01 Version: RF.TS/2.1.E.2

Title: RF TSS and TP System Specification 1.2/2.0/2.0+EDR2.1/2.1 + EDR

Description: Radio Frequency (RF)

<i>Applicable Errata</i>	<i>Activate Date</i>	<i>Comment</i>
TSE2099	07/3/1	Clarification Symbol Timing Error RCV/CA/07/C
TSE2416	07/11/21	TRM/CA/01: change hopping to optional
TSE2473	08/2/20	RCV/03 and RCV/09: Inconsistent values of power for the relaxed condition in the Frequency Image interferer
TSE2492	08/2/4	RCV/CA/03/C C- Power of Image or Image +/- 1 = co channel +/- 1 or 2

3.4 Summary

Test Case Identifier / Name					Lab	
Test (condition)	Cat	Result	Date of Test	Ref.	Setup	
RCV/CA/01/C Sensitivity - single slot packets						
RCV/CA/01/C: VH, TH, DH1, RX 2402, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/01/C: VH, TH, DH1, RX 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/01/C: VH, TH, DH1, RX 2480, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/01/C: VH, TL, DH1, RX 2402, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/01/C: VH, TL, DH1, RX 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/01/C: VH, TL, DH1, RX 2480, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/01/C: VL, TH, DH1, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 1	A01	
RCV/CA/01/C: VL, TH, DH1, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 1	A01	
RCV/CA/01/C: VL, TH, DH1, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01	
RCV/CA/01/C: VL, TL, DH1, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 1	A01	
RCV/CA/01/C: VL, TL, DH1, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 1	A01	
RCV/CA/01/C: VL, TL, DH1, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01	
RCV/CA/01/C: VN, TN, DH1, RX 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01	
RCV/CA/01/C: VN, TN, DH1, RX 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01	
RCV/CA/01/C: VN, TN, DH1, RX 2480, MaxPower	A	Passed	2008/05/09	Lab 1	A01	
RCV/CA/02/C Sensitivity - multi-slot packets						
RCV/CA/02/C: VH, TH, LSP, RX 2402, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/02/C: VH, TH, LSP, RX 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/02/C: VH, TH, LSP, RX 2480, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/02/C: VH, TL, LSP, RX 2402, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/02/C: VH, TL, LSP, RX 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/02/C: VH, TL, LSP, RX 2480, MaxPower	A	Passed	2008/05/10	Lab 1	A01	
RCV/CA/02/C: VL, TH, LSP, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 1	A01	
RCV/CA/02/C: VL, TH, LSP, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 1	A01	
RCV/CA/02/C: VL, TH, LSP, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01	
RCV/CA/02/C: VL, TL, LSP, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 1	A01	
RCV/CA/02/C: VL, TL, LSP, RX 2441, MaxPower	A	Passed	2008/05/15	Lab 1	A01	
RCV/CA/02/C: VL, TL, LSP, RX 2480, MaxPower	A	Passed	2008/05/15	Lab 1	A01	
RCV/CA/02/C: VN, TN, LSP, RX 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01	
RCV/CA/02/C: VN, TN, LSP, RX 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01	
RCV/CA/02/C: VN, TN, LSP, RX 2480, MaxPower	A	Passed	2008/05/09	Lab 1	A01	



Reference: MDE_FREE2_0801_RFa

Test Case Identifier / Name			Lab		
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
RCV/CA/03/C C/I performance					
RCV/CA/03/C: VN, TN, DH1, RX 2405, MaxPower	A	Passed	2008/05/09	Lab 1	A01
RCV/CA/03/C: VN, TN, DH1, RX 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01
RCV/CA/03/C: VN, TN, DH1, RX 2477, MaxPower	A	Passed	2008/05/09	Lab 1	A01
RCV/CA/04/C Blocking performance					
RCV/CA/04/C: VN, TN, DH1, RX 2460, MaxPower	A	Passed	2008/05/14	Lab 1	A01
RCV/CA/05/C Intermodulation Performance					
RCV/CA/05/C: VN, TN, DH1, RX 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01
RCV/CA/05/C: VN, TN, DH1, RX 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01
RCV/CA/05/C: VN, TN, DH1, RX 2480, MaxPower	A	Passed	2008/05/09	Lab 1	A01
RCV/CA/06/C Maximum Input Level					
RCV/CA/06/C: VN, TN, DH1, RX 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01
RCV/CA/06/C: VN, TN, DH1, RX 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01
RCV/CA/06/C: VN, TN, DH1, RX 2480, MaxPower	A	Passed	2008/05/09	Lab 1	A01



Reference: MDE_FREE2_0801_RFa

Test Case Identifier / Name				Lab	
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
RCV/CA/07/C EDR Sensitivity					
RCV/CA/07/C: VH, TH, LSP_4-DQPSK, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VH, TH, LSP_4-DQPSK, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VH, TH, LSP_4-DQPSK, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VH, TH, LSP_8-DPSK, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VH, TH, LSP_8-DPSK, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VH, TH, LSP_8-DPSK, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VH, TL, LSP_4-DQPSK, RX 2402, MaxPower	A	Passed	2008/05/13	Lab 3	A01
RCV/CA/07/C: VH, TL, LSP_4-DQPSK, RX 2441, MaxPower	A	Passed	2008/05/13	Lab 3	A01
RCV/CA/07/C: VH, TL, LSP_4-DQPSK, RX 2480, MaxPower	A	Passed	2008/05/13	Lab 3	A01
RCV/CA/07/C: VH, TL, LSP_8-DPSK, RX 2402, MaxPower	A	Passed	2008/05/16	Lab 3	A01
RCV/CA/07/C: VH, TL, LSP_8-DPSK, RX 2441, MaxPower	A	Passed	2008/05/16	Lab 3	A01
RCV/CA/07/C: VH, TL, LSP_8-DPSK, RX 2480, MaxPower	A	Passed	2008/05/16	Lab 3	A01
RCV/CA/07/C: VL, TH, LSP_4-DQPSK, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VL, TH, LSP_4-DQPSK, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VL, TH, LSP_4-DQPSK, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VL, TH, LSP_8-DPSK, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VL, TH, LSP_8-DPSK, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VL, TH, LSP_8-DPSK, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VL, TL, LSP_4-DQPSK, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VL, TL, LSP_4-DQPSK, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VL, TL, LSP_4-DQPSK, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VL, TL, LSP_8-DPSK, RX 2402, MaxPower	A	Passed	2008/05/16	Lab 3	A01
RCV/CA/07/C: VL, TL, LSP_8-DPSK, RX 2441, MaxPower	A	Passed	2008/05/16	Lab 3	A01
RCV/CA/07/C: VL, TL, LSP_8-DPSK, RX 2480, MaxPower	A	Passed	2008/05/16	Lab 3	A01
RCV/CA/07/C: VN, TN, LSP_4-DQPSK, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VN, TN, LSP_4-DQPSK, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VN, TN, LSP_4-DQPSK, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VN, TN, LSP_8-DPSK, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VN, TN, LSP_8-DPSK, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/07/C: VN, TN, LSP_8-DPSK, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 3	A01



Reference: MDE_FREE2_0801_RFa

Test Case Identifier / Name	Lab				
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
RCV/CA/08/C EDR BER Floor Performance					
RCV/CA/08/C: VN, TN, LSP_4-DQPSK, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/08/C: VN, TN, LSP_4-DQPSK, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/08/C: VN, TN, LSP_4-DQPSK, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/08/C: VN, TN, LSP_8-DPSK, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/08/C: VN, TN, LSP_8-DPSK, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/08/C: VN, TN, LSP_8-DPSK, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/09/C EDR C/I Performance					
RCV/CA/09/C: VN, TN, LSP_4-DQPSK, RX 2405, MaxPower	A	Passed	2008/05/16	Lab 2	A01
RCV/CA/09/C: VN, TN, LSP_4-DQPSK, RX 2441, MaxPower	A	Passed	2008/05/16	Lab 2	A01
RCV/CA/09/C: VN, TN, LSP_4-DQPSK, RX 2477, MaxPower	A	Passed	2008/05/16	Lab 2	A01
RCV/CA/09/C: VN, TN, LSP_8-DPSK, RX 2405, MaxPower	A	Passed	2008/05/16	Lab 2	A01
RCV/CA/09/C: VN, TN, LSP_8-DPSK, RX 2441, MaxPower	A	Passed	2008/05/16	Lab 2	A01
RCV/CA/09/C: VN, TN, LSP_8-DPSK, RX 2477, MaxPower	A	Passed	2008/05/16	Lab 2	A01
RCV/CA/10/C EDR Maximum Input Level					
RCV/CA/10/C: VN, TN, LSP_4-DQPSK, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/10/C: VN, TN, LSP_4-DQPSK, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/10/C: VN, TN, LSP_4-DQPSK, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/10/C: VN, TN, LSP_8-DPSK, RX 2402, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/10/C: VN, TN, LSP_8-DPSK, RX 2441, MaxPower	A	Passed	2008/05/14	Lab 3	A01
RCV/CA/10/C: VN, TN, LSP_8-DPSK, RX 2480, MaxPower	A	Passed	2008/05/14	Lab 3	A01
TRM/CA/01/C Output Power					
TRM/CA/01/C: VH, TH, LSP, H1, MaxPower, ETS	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/01/C: VH, TL, LSP, H1, MaxPower, ETS	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/01/C: VL, TH, LSP, H1, MaxPower, ETS	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/01/C: VL, TL, LSP, H1, MaxPower, ETS	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/01/C: VN, TN, LSP, H1, MaxPower, ETS	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/02/C Power Density					
TRM/CA/02/C: VH, TH, LSP, H1, MaxPower	B	Passed	2008/05/10	Lab 1	A01
TRM/CA/02/C: VH, TL, LSP, H1, MaxPower	B	Passed	2008/05/10	Lab 1	A01
TRM/CA/02/C: VL, TH, LSP, H1, MaxPower	B	Passed	2008/05/14	Lab 1	A01
TRM/CA/02/C: VL, TL, LSP, H1, MaxPower	B	Passed	2008/05/15	Lab 1	A01
TRM/CA/02/C: VN, TN, LSP, H1, MaxPower, ETS	B	Passed	2008/05/09	Lab 1	A01



Reference: MDE_FREE2_0801_RFa

Test Case Identifier / Name			Lab		
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
TRM/CA/03/C Power Control					
TRM/CA/03/C: VN, TN, DH1, TX 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/03/C: VN, TN, DH1, TX 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/03/C: VN, TN, DH1, TX 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/04/C TX Output Spectrum - Frequency range					
TRM/CA/04/C: VH, TH, LSP, MaxPower, ETS	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/04/C: VH, TL, LSP, MaxPower, ETS	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/04/C: VL, TH, LSP, MaxPower, ETS	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/04/C: VL, TL, LSP, MaxPower, ETS	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/04/C: VN, TN, LSP, MaxPower, ETS	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/05/C TX Output Spectrum - 20 dB Bandwidth					
TRM/CA/05/C: VH, TH, LSP, TX 2402, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/05/C: VH, TH, LSP, TX 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/05/C: VH, TH, LSP, TX 2480, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/05/C: VH, TL, LSP, TX 2402, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/05/C: VH, TL, LSP, TX 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/05/C: VH, TL, LSP, TX 2480, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/05/C: VL, TH, LSP, TX 2402, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/05/C: VL, TH, LSP, TX 2441, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/05/C: VL, TH, LSP, TX 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/05/C: VL, TL, LSP, TX 2402, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/05/C: VL, TL, LSP, TX 2441, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/05/C: VL, TL, LSP, TX 2480, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/05/C: VN, TN, LSP, TX 2402, MaxPower, FCC	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/05/C: VN, TN, LSP, TX 2441, MaxPower, FCC	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/05/C: VN, TN, LSP, TX 2480, MaxPower, FCC	A	Passed	2008/05/09	Lab 1	A01



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Test Case Identifier / Name			Lab		
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
TRM/CA/06/C TX Output Spectrum - Adjacent channel power					
TRM/CA/06/C: VH, TH, DH1, TX 2405, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/06/C: VH, TH, DH1, TX 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/06/C: VH, TH, DH1, TX 2477, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/06/C: VH, TL, DH1, TX 2405, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/06/C: VH, TL, DH1, TX 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/06/C: VH, TL, DH1, TX 2477, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/06/C: VL, TH, DH1, TX 2405, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/06/C: VL, TH, DH1, TX 2441, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/06/C: VL, TH, DH1, TX 2477, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/06/C: VL, TL, DH1, TX 2405, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/06/C: VL, TL, DH1, TX 2441, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/06/C: VL, TL, DH1, TX 2477, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/06/C: VN, TN, DH1, TX 2405, MaxPower, FCC	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/06/C: VN, TN, DH1, TX 2441, MaxPower, FCC	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/06/C: VN, TN, DH1, TX 2477, MaxPower, FCC	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/07/C Modulation Characteristics					
TRM/CA/07/C: VH, TH, LSP, TX 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/07/C: VH, TH, LSP, TX 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/07/C: VH, TH, LSP, TX 2480, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/07/C: VH, TL, LSP, TX 2402, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/07/C: VH, TL, LSP, TX 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/07/C: VH, TL, LSP, TX 2480, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/07/C: VL, TH, LSP, TX 2402, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/07/C: VL, TH, LSP, TX 2441, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/07/C: VL, TH, LSP, TX 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/07/C: VL, TL, LSP, TX 2402, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/07/C: VL, TL, LSP, TX 2441, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/07/C: VL, TL, LSP, TX 2480, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/07/C: VN, TN, LSP, TX 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/07/C: VN, TN, LSP, TX 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/07/C: VN, TN, LSP, TX 2480, MaxPower	A	Passed	2008/05/09	Lab 1	A01



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Test Case Identifier / Name			Lab		
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
TRM/CA/08/C Initial Carrier Frequency Tolerance					
TRM/CA/08/C: VH, TH, DH1, H1, MF 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/08/C: VH, TH, DH1, H1, MF 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/08/C: VH, TH, DH1, H1, MF 2480, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/08/C: VH, TL, DH1, H1, MF 2402, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/08/C: VH, TL, DH1, H1, MF 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/08/C: VH, TL, DH1, H1, MF 2480, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/08/C: VL, TH, DH1, H1, MF 2402, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/08/C: VL, TH, DH1, H1, MF 2441, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/08/C: VL, TH, DH1, H1, MF 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/08/C: VL, TL, DH1, H1, MF 2402, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/08/C: VL, TL, DH1, H1, MF 2441, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/08/C: VL, TL, DH1, H1, MF 2480, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/08/C: VN, TN, DH1, H1, MF 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/08/C: VN, TN, DH1, H1, MF 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/08/C: VN, TN, DH1, H1, MF 2480, MaxPower	A	Passed	2008/05/09	Lab 1	A01



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Test Case Identifier / Name				Lab	
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
TRM/CA/09/C Carrier Frequency Drift					
TRM/CA/09/C: VH, TH, DH1, H1, MF 2402, MaxPower	A	Passed	2008/05/16	Lab 1	A01
TRM/CA/09/C: VH, TH, DH1, H1, MF 2441, MaxPower	A	Passed	2008/05/16	Lab 1	A01
TRM/CA/09/C: VH, TH, DH1, H1, MF 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VH, TH, DH3, H1, MF 2402, MaxPower	A	Passed	2008/05/16	Lab 1	A01
TRM/CA/09/C: VH, TH, DH3, H1, MF 2441, MaxPower	A	Passed	2008/05/16	Lab 1	A01
TRM/CA/09/C: VH, TH, DH3, H1, MF 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VH, TH, DH5, H1, MF 2402, MaxPower	A	Passed	2008/05/16	Lab 1	A01
TRM/CA/09/C: VH, TH, DH5, H1, MF 2441, MaxPower	A	Passed	2008/05/16	Lab 1	A01
TRM/CA/09/C: VH, TH, DH5, H1, MF 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VH, TL, DH1, H1, MF 2402, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/09/C: VH, TL, DH1, H1, MF 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/09/C: VH, TL, DH1, H1, MF 2480, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/09/C: VH, TL, DH3, H1, MF 2402, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/09/C: VH, TL, DH3, H1, MF 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/09/C: VH, TL, DH3, H1, MF 2480, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/09/C: VH, TL, DH5, H1, MF 2402, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/09/C: VH, TL, DH5, H1, MF 2441, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/09/C: VH, TL, DH5, H1, MF 2480, MaxPower	A	Passed	2008/05/10	Lab 1	A01
TRM/CA/09/C: VL, TH, DH1, H1, MF 2402, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VL, TH, DH1, H1, MF 2441, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VL, TH, DH1, H1, MF 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VL, TH, DH3, H1, MF 2402, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VL, TH, DH3, H1, MF 2441, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VL, TH, DH3, H1, MF 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VL, TH, DH5, H1, MF 2402, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VL, TH, DH5, H1, MF 2441, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VL, TH, DH5, H1, MF 2480, MaxPower	A	Passed	2008/05/14	Lab 1	A01
TRM/CA/09/C: VL, TL, DH1, H1, MF 2402, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/09/C: VL, TL, DH1, H1, MF 2441, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/09/C: VL, TL, DH1, H1, MF 2480, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/09/C: VL, TL, DH3, H1, MF 2402, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/09/C: VL, TL, DH3, H1, MF 2441, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/09/C: VL, TL, DH3, H1, MF 2480, MaxPower	A	Passed	2008/05/15	Lab 1	A01



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Test Case Identifier / Name			Lab		
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
TRM/CA/09/C Carrier Frequency Drift					
TRM/CA/09/C: VL, TL, DH5, H1, MF 2402, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/09/C: VL, TL, DH5, H1, MF 2441, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/09/C: VL, TL, DH5, H1, MF 2480, MaxPower	A	Passed	2008/05/15	Lab 1	A01
TRM/CA/09/C: VN, TN, DH1, H1, MF 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/09/C: VN, TN, DH1, H1, MF 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/09/C: VN, TN, DH1, H1, MF 2480, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/09/C: VN, TN, DH3, H1, MF 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/09/C: VN, TN, DH3, H1, MF 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/09/C: VN, TN, DH3, H1, MF 2480, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/09/C: VN, TN, DH5, H1, MF 2402, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/09/C: VN, TN, DH5, H1, MF 2441, MaxPower	A	Passed	2008/05/09	Lab 1	A01
TRM/CA/09/C: VN, TN, DH5, H1, MF 2480, MaxPower	A	Passed	2008/05/09	Lab 1	A01



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Test Case Identifier / Name				Lab	
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
TRM/CA/10/C EDR Relative Transmit Power					
TRM/CA/10/C: VH, TH, LSP_4-DQPSK, TX 2402, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TH, LSP_4-DQPSK, TX 2402, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TH, LSP_4-DQPSK, TX 2441, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TH, LSP_4-DQPSK, TX 2441, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TH, LSP_4-DQPSK, TX 2480, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TH, LSP_4-DQPSK, TX 2480, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TH, LSP_8-DPSK, TX 2402, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TH, LSP_8-DPSK, TX 2402, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TH, LSP_8-DPSK, TX 2441, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TH, LSP_8-DPSK, TX 2441, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TH, LSP_8-DPSK, TX 2480, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TH, LSP_8-DPSK, TX 2480, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_4-DQPSK, TX 2402, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_4-DQPSK, TX 2402, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_4-DQPSK, TX 2441, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_4-DQPSK, TX 2441, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_4-DQPSK, TX 2480, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_4-DQPSK, TX 2480, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_8-DPSK, TX 2402, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_8-DPSK, TX 2402, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_8-DPSK, TX 2441, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_8-DPSK, TX 2441, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_8-DPSK, TX 2480, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VH, TL, LSP_8-DPSK, TX 2480, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TH, LSP_4-DQPSK, TX 2402, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TH, LSP_4-DQPSK, TX 2402, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VL, TH, LSP_4-DQPSK, TX 2441, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TH, LSP_4-DQPSK, TX 2441, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VL, TH, LSP_4-DQPSK, TX 2480, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VL, TH, LSP_4-DQPSK, TX 2480, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VL, TH, LSP_8-DPSK, TX 2402, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VL, TH, LSP_8-DPSK, TX 2402, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VL, TH, LSP_8-DPSK, TX 2441, MaxPower	A	Passed	2008/05/16	Lab 2	A01



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Test Case Identifier / Name				Lab	
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
TRM/CA/10/C EDR Relative Transmit Power					
TRM/CA/10/C: VL, TH, LSP_8-DPSK, TX 2441, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VL, TH, LSP_8-DPSK, TX 2480, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VL, TH, LSP_8-DPSK, TX 2480, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_4-DQPSK, TX 2402, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_4-DQPSK, TX 2402, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_4-DQPSK, TX 2441, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_4-DQPSK, TX 2441, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_4-DQPSK, TX 2480, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_4-DQPSK, TX 2480, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_8-DPSK, TX 2402, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_8-DPSK, TX 2402, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_8-DPSK, TX 2441, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_8-DPSK, TX 2441, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_8-DPSK, TX 2480, MaxPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VL, TL, LSP_8-DPSK, TX 2480, MinPower	A	Passed	2008/05/15	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_4-DQPSK, TX 2402, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_4-DQPSK, TX 2402, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_4-DQPSK, TX 2441, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_4-DQPSK, TX 2441, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_4-DQPSK, TX 2480, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_4-DQPSK, TX 2480, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_8-DPSK, TX 2402, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_8-DPSK, TX 2402, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_8-DPSK, TX 2441, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_8-DPSK, TX 2441, MinPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_8-DPSK, TX 2480, MaxPower	A	Passed	2008/05/16	Lab 2	A01
TRM/CA/10/C: VN, TN, LSP_8-DPSK, TX 2480, MinPower	A	Passed	2008/05/16	Lab 2	A01



Reference: MDE_FREE2_0801_RFa

Test Case Identifier / Name				Lab		
Test (condition)		Cat	Result	Date of Test	Ref.	Setup
TRM/CA/11/C EDR Carrier Frequency Stability and Modulation Accuracy						
TRM/CA/11/C: VH, TH, LSP_4-DQPSK, TX 2402, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VH, TH, LSP_4-DQPSK, TX 2441, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VH, TH, LSP_4-DQPSK, TX 2480, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VH, TH, LSP_8-DPSK, TX 2402, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VH, TH, LSP_8-DPSK, TX 2441, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VH, TH, LSP_8-DPSK, TX 2480, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VH, TL, LSP_4-DQPSK, TX 2402, MaxPower		A	Passed	2008/05/13	Lab 3	A01
TRM/CA/11/C: VH, TL, LSP_4-DQPSK, TX 2441, MaxPower		A	Passed	2008/05/13	Lab 3	A01
TRM/CA/11/C: VH, TL, LSP_4-DQPSK, TX 2480, MaxPower		A	Passed	2008/05/13	Lab 3	A01
TRM/CA/11/C: VH, TL, LSP_8-DPSK, TX 2402, MaxPower		A	Passed	2008/05/13	Lab 3	A01
TRM/CA/11/C: VH, TL, LSP_8-DPSK, TX 2441, MaxPower		A	Passed	2008/05/13	Lab 3	A01
TRM/CA/11/C: VH, TL, LSP_8-DPSK, TX 2480, MaxPower		A	Passed	2008/05/13	Lab 3	A01
TRM/CA/11/C: VL, TH, LSP_4-DQPSK, TX 2402, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VL, TH, LSP_4-DQPSK, TX 2441, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VL, TH, LSP_4-DQPSK, TX 2480, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VL, TH, LSP_8-DPSK, TX 2402, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VL, TH, LSP_8-DPSK, TX 2441, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VL, TH, LSP_8-DPSK, TX 2480, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VL, TL, LSP_4-DQPSK, TX 2402, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VL, TL, LSP_4-DQPSK, TX 2441, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VL, TL, LSP_4-DQPSK, TX 2480, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VL, TL, LSP_8-DPSK, TX 2402, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VL, TL, LSP_8-DPSK, TX 2441, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VL, TL, LSP_8-DPSK, TX 2480, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VN, TN, LSP_4-DQPSK, TX 2402, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VN, TN, LSP_4-DQPSK, TX 2441, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VN, TN, LSP_4-DQPSK, TX 2480, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VN, TN, LSP_8-DPSK, TX 2402, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VN, TN, LSP_8-DPSK, TX 2441, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/11/C: VN, TN, LSP_8-DPSK, TX 2480, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/12/C EDR Differential Phase Encoding						
TRM/CA/12/C: VN, TN, 2-DH1, TX 2402, MaxPower		A	Passed	2008/05/14	Lab 3	A01
TRM/CA/12/C: VN, TN, 3-DH1, TX 2402, MaxPower		A	Passed	2008/05/14	Lab 3	A01



Reference: MDE_FREE2_0801_RFa

Test Case Identifier / Name				Lab	
Test (condition)	Cat	Result	Date of Test	Ref.	Setup
TRM/CA/13/C EDR In-band Spurious Emissions					
TRM/CA/13/C: VH, TH, LSP_4-DQPSK, TX 2405, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VH, TH, LSP_4-DQPSK, TX 2441, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VH, TH, LSP_4-DQPSK, TX 2477, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VH, TH, LSP_8-DPSK, TX 2405, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VH, TH, LSP_8-DPSK, TX 2441, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VH, TH, LSP_8-DPSK, TX 2477, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VH, TL, LSP_4-DQPSK, TX 2405, MaxPower	B	Passed	2008/05/15	Lab 2	A01
TRM/CA/13/C: VH, TL, LSP_4-DQPSK, TX 2441, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VH, TL, LSP_4-DQPSK, TX 2477, MaxPower	B	Passed	2008/05/15	Lab 2	A01
TRM/CA/13/C: VH, TL, LSP_8-DPSK, TX 2405, MaxPower	B	Passed	2008/05/15	Lab 2	A01
TRM/CA/13/C: VH, TL, LSP_8-DPSK, TX 2441, MaxPower	B	Passed	2008/05/15	Lab 2	A01
TRM/CA/13/C: VH, TL, LSP_8-DPSK, TX 2477, MaxPower	B	Passed	2008/05/15	Lab 2	A01
TRM/CA/13/C: VL, TH, LSP_4-DQPSK, TX 2405, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VL, TH, LSP_4-DQPSK, TX 2441, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VL, TH, LSP_4-DQPSK, TX 2477, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VL, TH, LSP_8-DPSK, TX 2405, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VL, TH, LSP_8-DPSK, TX 2441, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VL, TH, LSP_8-DPSK, TX 2477, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VL, TL, LSP_4-DQPSK, TX 2405, MaxPower	B	Passed	2008/05/15	Lab 2	A01
TRM/CA/13/C: VL, TL, LSP_4-DQPSK, TX 2441, MaxPower	B	Passed	2008/05/15	Lab 2	A01
TRM/CA/13/C: VL, TL, LSP_4-DQPSK, TX 2477, MaxPower	B	Passed	2008/05/15	Lab 2	A01
TRM/CA/13/C: VL, TL, LSP_8-DPSK, TX 2405, MaxPower	B	Passed	2008/05/15	Lab 2	A01
TRM/CA/13/C: VL, TL, LSP_8-DPSK, TX 2441, MaxPower	B	Passed	2008/05/15	Lab 2	A01
TRM/CA/13/C: VL, TL, LSP_8-DPSK, TX 2477, MaxPower	B	Passed	2008/05/15	Lab 2	A01
TRM/CA/13/C: VN, TN, LSP_4-DQPSK, TX 2405, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VN, TN, LSP_4-DQPSK, TX 2441, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VN, TN, LSP_4-DQPSK, TX 2477, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VN, TN, LSP_8-DPSK, TX 2405, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VN, TN, LSP_8-DPSK, TX 2441, MaxPower	B	Passed	2008/05/16	Lab 2	A01
TRM/CA/13/C: VN, TN, LSP_8-DPSK, TX 2477, MaxPower	B	Passed	2008/05/16	Lab 2	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 7 layers BT Full RF Test Solution

Lab ID:	Lab 1		
Manufacturer:	Rohde & Schwarz GmbH & Co.KG		
Description:	Bluetooth RF Conformance Test System		
Type:	TS8960		
Serial Number:	338864		
	<i>HW/SW Status</i>	<i>Date of Start</i>	<i>Date of End</i>
	Software update to b2.35 according to BT Test Specification 1.2.	2004/05/12	

Single Devices for 7 layers BT Full RF Test Solution

<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 PTW60	1133.3006.02	100008	Rohde & Schwarz GmbH & Co.KG
Industrial Controller PSM12	1116.5004.20	829323/008	Rohde & Schwarz GmbH & Co.KG
Power Meter NRVD	857.8008.02	832025/059	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/08/22
Power Sensor NRV Z1 A	828.3018.03	832279/013	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/08/23
Power Sensor NRV Z1 B	828.3018.03	832279/015	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	DKD Calibration		2007/08/23
Power Supply E3632A	DC Power Supply	MY40003776	Agilent Technologies Ltd.
RF Step Attenuator RSP	831.3515.02	833695/001	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration according to ISO/IEC 17025		2006/08/09
Rubidium Frequency Normal MFS	828.3018.03	002	Efratom
	<i>Calibration Details</i>		<i>Last Execution</i>
	DKD Calibration		2007/08/24
Signal Analyser FSIQ26	1119.6001.26	832695/007	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/08/23
Signal Generator SMP 03	1035.5005.03	833680/003	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2006/07/04

Single Devices for 7 layers BT Full RF Test Solution (continued)

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>
ThermoHygro Datalogger 04 (Environ)	Opus10 THI (8152.00)	7481	Luft Mess- und Regeltechnik GmbH
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration at accredited calibration laboratory. Calibration Certificate:		2006/10/26
TS_EDR_Signal Switching and Conditioning Unit SSCU	1134.3000.02	338826/005	Rohde & Schwarz GmbH & Co.KG
Vector Signal Generator SMIQ03B A	1125.5555.03	834344/002	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2006/07/04
Vector Signal Generator SMIQ03B B	1125.5555.03	832870/017	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/05/24

Test Equipment InterLab EDR Test Solution - Setup A

Lab ID:	Lab 2
Manufacturer:	7 layers, Inc.
Description:	Bluetooth EDR RF Conformance Test System
Type:	InterLab EDR RF

Single Devices for InterLab EDR Test Solution - Setup A

Single Device Name	Type	Serial Number	Manufacturer
ADU 200 Relay Box 7	Relay Box	A04380	Ontrak Control Systems Inc.
Bluetooth Signalling Unit CBT	1153.9000.35	100302	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
			2008/05/07
Power Meter NRVD	857.8008.02	832025/059	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/08/22
Power Sensor NRV Z1 A	828.3018.03	832279/013	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/08/23
Power Supply E3632A	DC Power Supply	MY40003776	Agilent Technologies Ltd.
Rubidium Frequency Normal MFS	828.3018.03	002	Efratom
	<i>Calibration Details</i>		<i>Last Execution</i>
	DKD Calibration		2007/08/24
Signal Analyser FSIQ26	1119.6001.26	832695/007	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/08/23
ThermoHygro Datalogger 04 (Environ)	Opus10 THI (8152.00)	7481	Lufft Mess- und Regeltechnik GmbH
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration at accredited calibration laboratory. Calibration Certificate:		2006/10/26
TS_EDR_Signal Switching and Conditioning Unit SSCU	1134.3000.02	338826/005	Rohde & Schwarz GmbH & Co.KG
Vector Signal Generator SMIQ03B B	1125.5555.03	832870/017	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/05/24

Test Equipment InterLab EDR Test Solution - Setup B

Lab ID:	Lab 3
Manufacturer:	7 layers, Inc.
Description:	Bluetooth EDR RF Conformance Test System
Type:	InterLab EDR RF

Single Devices for InterLab EDR Test Solution - Setup B

Single Device Name	Type	Serial Number	Manufacturer
ADU 200 Relay Box 7	Relay Box	A04380	Ontrak Control Systems Inc.
Bluetooth Signalling Unit CBT	1153.9000.35	100302	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
			2008/05/07
Power Meter NRVD	857.8008.02	832025/059	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/08/22
Power Sensor NRV Z1 A	828.3018.03	832279/013	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/08/23
Power Supply E3632A	DC Power Supply	MY40003776	Agilent Technologies Ltd.
Rubidium Frequency Normal MFS	828.3018.03	002	Efratom
	<i>Calibration Details</i>		<i>Last Execution</i>
	DKD Calibration		2007/08/24
Signal Analyser FSIQ26	1119.6001.26	832695/007	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/08/23
ThermoHygro Datalogger 04 (Environ)	Opus10 THI (8152.00)	7481	Lufft Mess- und Regeltechnik GmbH
	<i>Calibration Details</i>		<i>Last Execution</i>
	Calibration at accredited calibration laboratory. Calibration Certificate:		2006/10/26
TS_EDR_Signal Switching and Conditioning Unit SSCU	1134.3000.02	338826/005	Rohde & Schwarz GmbH & Co.KG
Vector Signal Generator SMIQ03B B	1125.5555.03	832870/017	Rohde & Schwarz GmbH & Co.KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2007/05/24

Test Equipment Temperature Chambers (Rat)

Lab ID:	Lab 1, Lab 2, Lab 3
Manufacturer:	see single devices
Description:	All Temperature Chambers of Place Ratingen
Type:	Weiss / Vötsch
Serial Number:	see single devices

Single Devices for Temperature Chambers (Rat)

Single Device Name	Type	Serial Number	Manufacturer
Temperature Chamber Vötsch	VT 4002	521/84514	Vötsch
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration, Certificate-no. 33237		2008/02/29
Temperature Chamber Vötsch	VT 4002	58566002150010	Vötsch
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration, Certificate-no. 33235		2008/02/29
Temperature Chamber Weiss	KWP 120/70	59226012190010	Weiss Umwelttechnik GmbH
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration, Certificate-no. 33236		2008/02/29
Temperature Chamber Weiss	WT64/75	59226066700010	Weiss Umwelttechnik GmbH

4.2 Laboratory Environmental Conditions

Laboratory	Date	Temperature	Humidity	Air Pressure
Lab 1	2008/05/09	25 ± 2 °C	31.5 ± 1.5 %	1011 ± 1 hPa
	2008/05/10	25 ± 2 °C	31.5 ± 1.5 %	1011 ± 1 hPa
	2008/05/14	149.5 ± 125.5 °C	30.5 ± 0.5 %	1011 ± 1 hPa
	2008/05/15	149.5 ± 125.5 °C	29 %	1011 ± 1 hPa
	2008/05/16			
Lab 2	2008/05/15	23 °C	67 %	1020 hPa
	2008/05/16	23 °C	67 %	1020 hPa
Lab 3	2008/05/13	23 °C	67 %	1020 hPa
	2008/05/14	23 °C	67 %	1020 hPa
	2008/05/16	23 °C	67 %	1020 hPa

5 Annex

5.1 Additional Information for Report

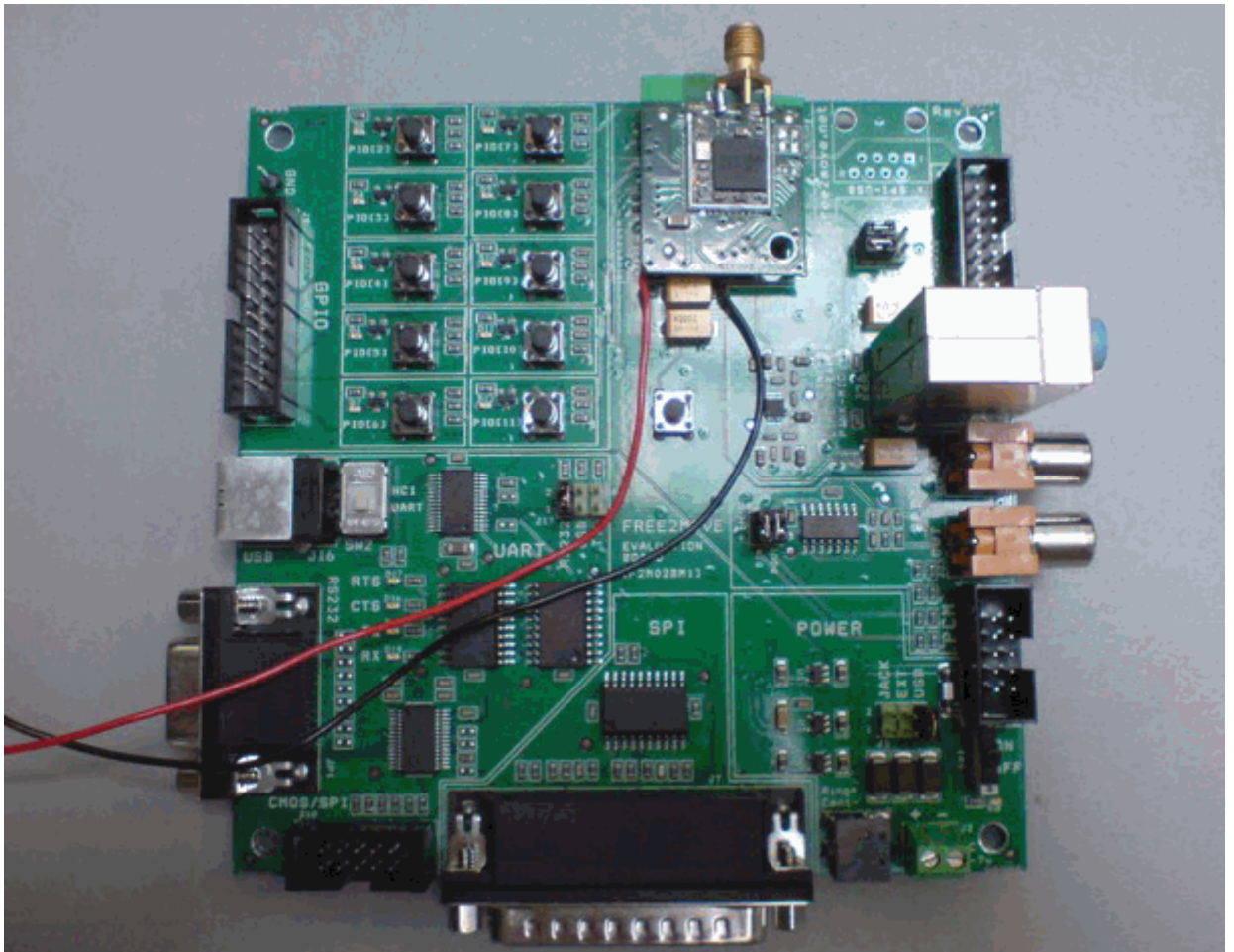


Photo 1: OUT with Evaluation Board

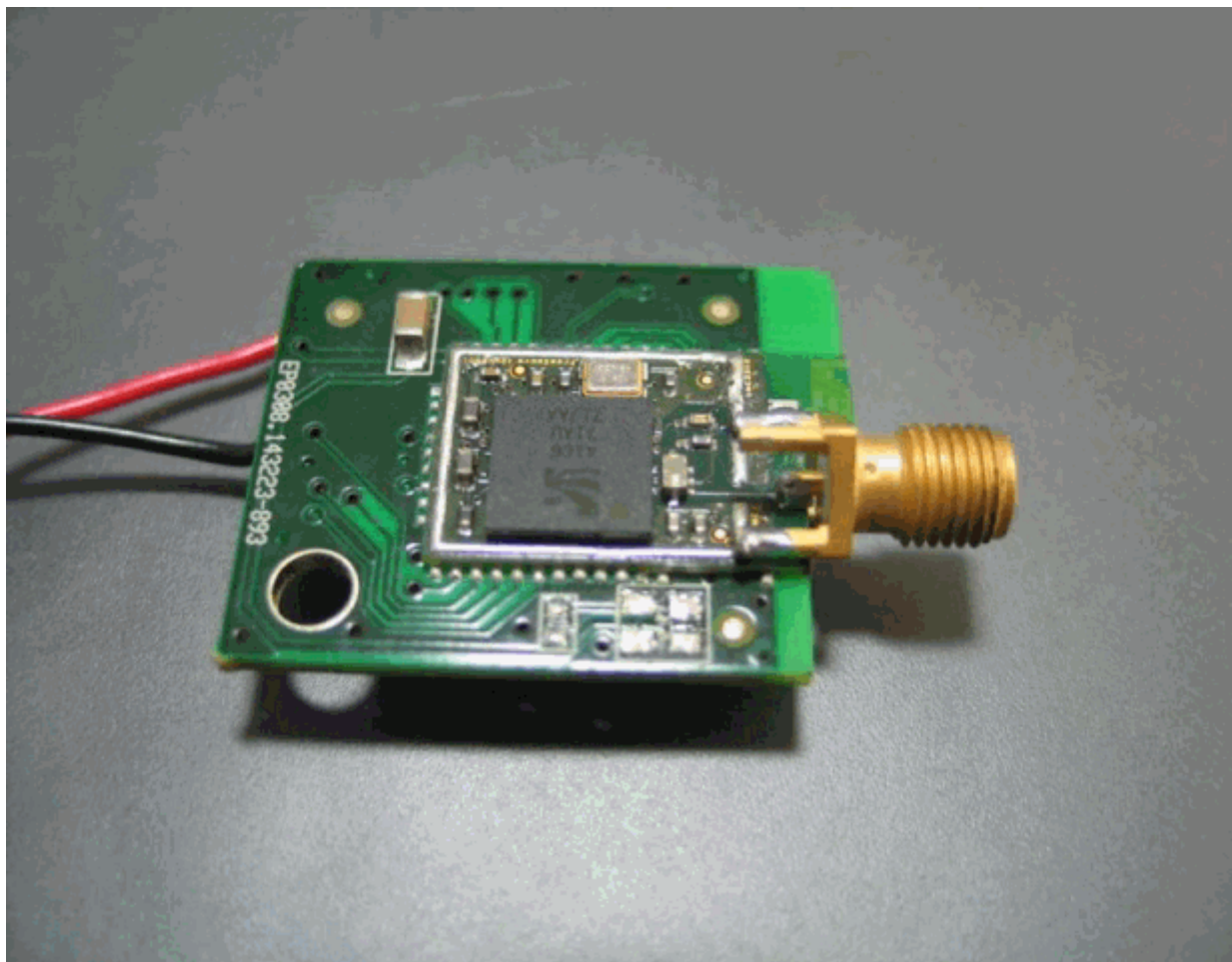


Photo 2: OUT front view

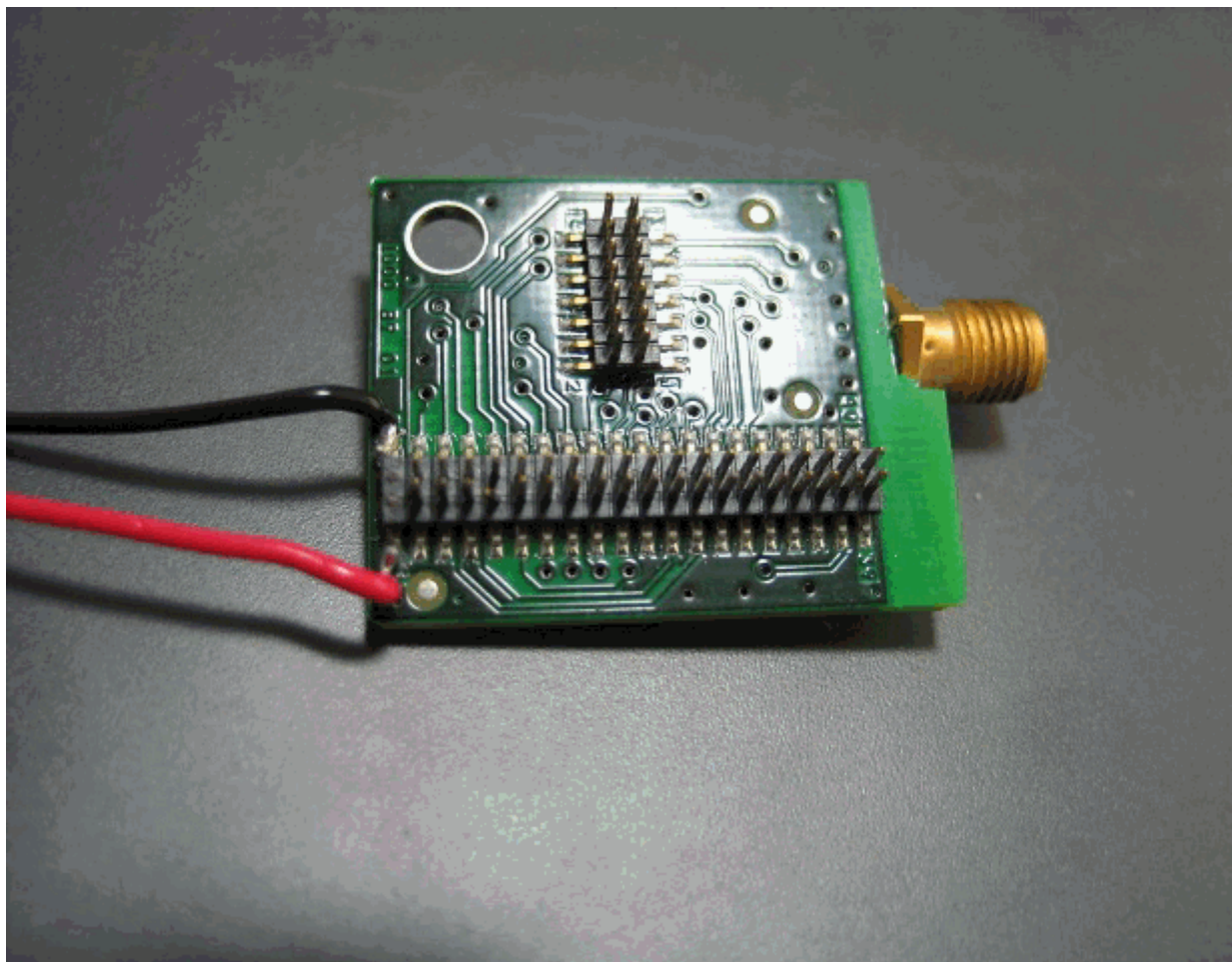


Photo 3: OUT rear view

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