



RF EXPOSURE REPORT

REPORT NO.: SA110307C15B

MODEL NO.: TG582n

BULK CODE: DSLWBC582US

DSLWBC582PA

FCC ID: RSE-TG582N

ACCORDING: FCC Guidelines for Human Exposure
IEEE C95.1

APPLICANT: Thomson Telecom Belgium

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Belgium

ISSUED BY: Bureau Veritas Consumer Products Services
(H.K.) Ltd., Taoyuan Branch

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou
Hsiang, Taipei Hsien 244, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei
Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
Original release	N/A	May 13, 2011

1. CERTIFICATION

PRODUCT: ADSL MODEM
MODEL NO.: TG582n
BULK CODE: DSLWBC582US
DSLWBC582PA
BRAND: THOMSON
APPLICANT: Thomson Telecom Belgium
TEST SAMPLE: PEM2a
SOFTWARE VERSION: Batch #6 (File name:
dant-t_AA_linux_BB_qual_0703.bli.zip)
BOOT LOADER VERSION: 1.0.3
WIRELESS VERSION: unknow
TESTED: Apr. 13 ~ Apr. 22, 2011
STANDARDS: FCC Guidelines for Human Exposure
IEEE C95.1

The above equipment (Model: TG582n) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY :  , DATE : May 13, 2011
Joanna Wang / Senior Specialist

APPROVED BY :  , DATE : May 13, 2011
Gary Chang / Assistant Manager

2. RF EXPOSURE

2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

2.2 MPE CALCULATION FORMULA

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

2.3 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412-2462	27.4	3.22	20	0.229	1.00

APPENDIX- The EEPROM Parameter from the CLI command that provided by the applicant

{Administrator}=>:wireless qual caldata radio_id 0 cmd dump

ERIP Data:

00->0F: BC0103FF 8181FFFF 81818181 81000001
10->1F: 00010101 01FFFFFF FFFFFFFF FFFFFFFF
20->2F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
30->3F: 81810081 00000001 01010101 01FFFFFF
40->4F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
50->5F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
60->6F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
70->7F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
80->8F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
90->9F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
A0->AF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
B0->BF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
C0->CF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
D0->DF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
E0->EF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
F0->FF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
