TEST REPORT NO.: BML – FC 010.2006

Test specification: **CFR47 part 15 Radio Frequency Devices.**

Sub standard: **FCC 15 subpart B/C Unintentional/Intentional Radiators.**

Ordered by: **C81 Philippe project team – ABK**

Address: **Lindholm Brygge 35, 9400 Nr.Sundby**
Denmark

Subject: **BenQ-Siemens C81**

Verification:

Travel Charger – Friwo type – A5BHTN00 180751, sample FR_WR85_US_B2_06
Desktop Stand – EDS-100 – S30880-S2611-A115-1, B1-v.2.* **(Not all scenarios)**

Headset Basic – HHS-100 - S30880-S2611-A515, v. 1.5.1
Headset – HHS-110 - S30880-S2611-A525, v.1.5.1
Headset Purestyle - HHS-120 - S30880-S2611-A555, v.1.6.1
Headset Stereo – HHS-150 – S30880-S2611-A535, v.1.5.1
Car Kit Portable – HKP-100 – S30880-S2611-A305-1, B2-v.3.4.1
Car Charger Plus – ECC-100 – C39280-Z4-C459, v.1.1.1
Data Cable – DCA-100 (RS232) – S30880-S2611-A805-1
Data Cable – DCA-140 (USB) – S30880-S2611-S835
Sync station – DSC-100 (DCA-140+EDS-100) – S30880-S2611-Axxx **(Not selected for test)**

Spare battery – V30145-K1310-X326-NT – 3.7V/820 mAh
Spare battery – V30145-K1310-X329-SM – 3.7V/820 mAh

Serial numbers: **Sample #52, IMEI: 004401490002512 and sample #177, IMEI: 004401490002504**

HW revision: **B2**

SW revision: **00 baseline 1.0_V79.1.9.1**

Manufacturer:

Manufacturer	**BenQ Mobile GmbH & Co OHG**
Street Address	**Südstrasse 9**
City/Zip Code	**D-47475 Kamp-Lintfort**
Country	**Germany**

Internal Order No.: PKN – 27.03.2006.009

Date(s) of test: 28.03.2006 -> 18.04.2006

Technical responsibility	Test performed by:
Per K. Nielsen	Jan Clausen
Date: 20.04.2006	Number of pages: **9**

All test results are valid only and exclusive for the equipment under test, (EUT).

Summary: The equipment tested is compliant to the above mentioned specification.

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Test site pictures

References

CFR 47	FCC 15 subpart B, Unintentional Radiator. FCC 15 subpart C, Intentional Radiator.
CISPR 22	Information Technology Equipment – Radio disturbance characteristics Limits and Methods of measurement, CISPR 22:1997, modified + Amendment 1 (EN 55022/A1 (October 2000)) + Amendment 2 (EN55022/A2 (2002))
ANSI C63.4	Methods of Measurements of Radio-Noise Emissions from Low-voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz, ANSI C63.4-2000.
CISPR/ I/WG4/02-02	CISPR 22 and IEC 61000-6-3 emission limits above 1 GHz, September 2002

Enclosures

Conversion factors.doc	Field strength conversion factors and other data formats and exchange of formats.

Revision Information

Created:	Revision	Name	Comments
19.08.03	0.1	Nielsen Per Klaus	Initial revision in PVCS
Modified			
20.04.06	1.0	Nielsen Per Klaus	Pictures added

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1 Introduction

In this report the various test set up for the test report BML – FC 009.2006 are documented in pictures.

2 Test site pictures

Below find various pictures from the test of the FCC 15 emission tests of the C81 mobile.

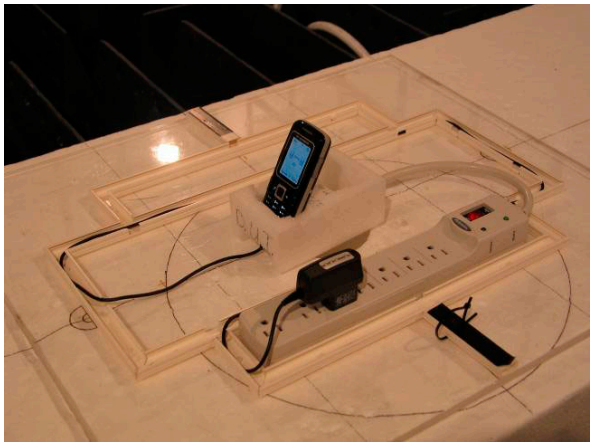

Figure 2.1 Radiated emission with travel charger US Travel Charger in the range 30 MHz to 1 GHz.

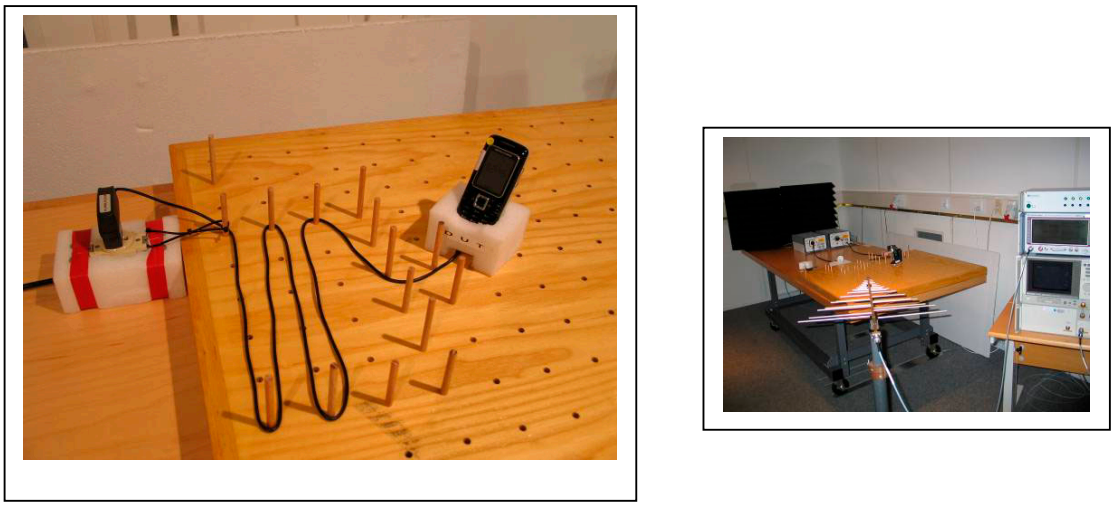

Figure 2.2 Conducted emission measurement with the travel charger in the range 0.15MHz to 30 MHz.

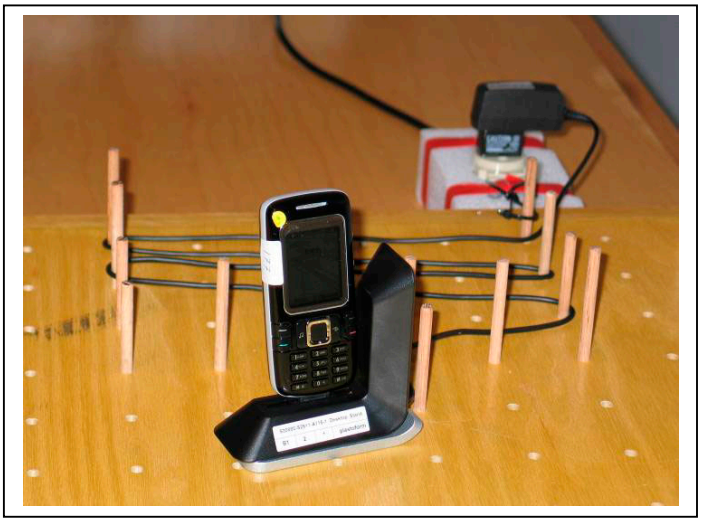

Figure 2.3 Conducted emission measurement with the travel charger US and desktop stand in the range 0.15MHz to 30 MHz.

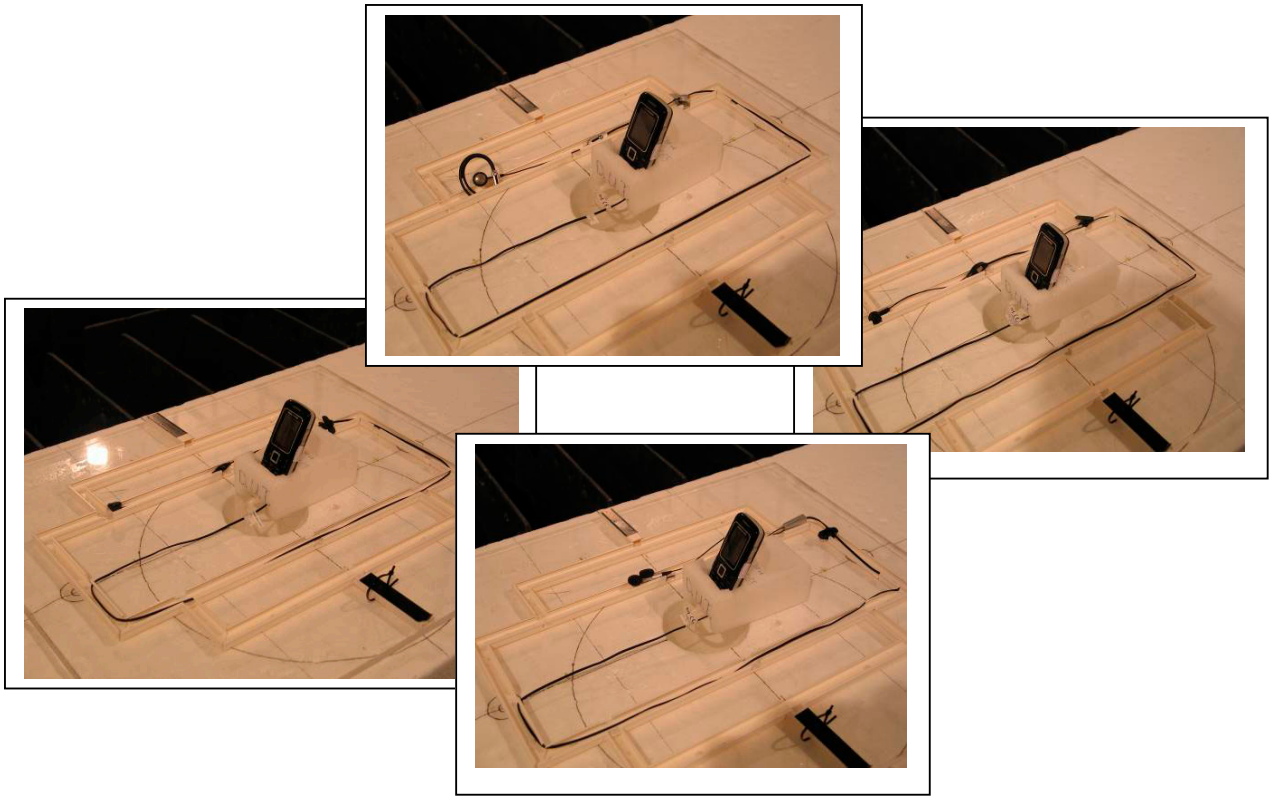

Figure 2.4 The layout for testing the three different headset types (Headset, Headset Basic, Headset Purestyle and Headset Stereo) according to CISPR 22 in the range 30 MHz to 1 GHz.

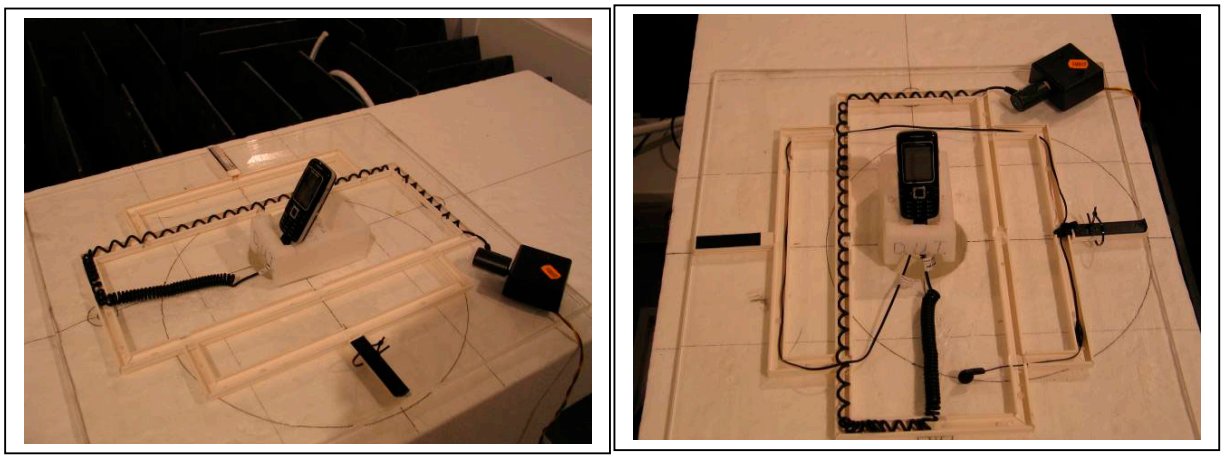

Figure 2.5 The Car Charger Plus emission test set up in the two scenarios either standalone (Left) or attached to the Headset Basic (Right). The car charger is connected to a moped battery located on the ground floor, not visible in the picture.

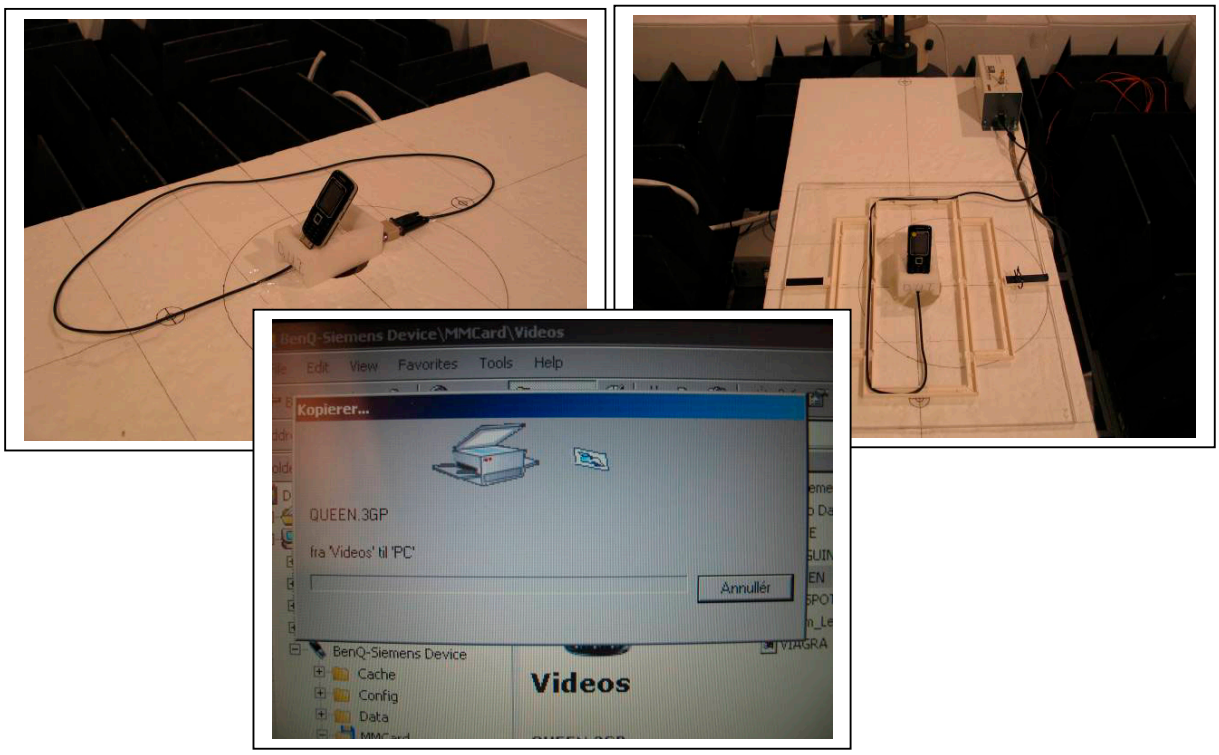

Figure 2.6 The Data Cable emission test set up in the two scenarios either RS-232 (Left) or with USB cable (Right). For USB a USB CDN from Schaffner was used to stabilize the interface impedance. The data transmission PC was located outside the chamber, not visible in the picture. The Mobile Phone Manager (MPM) version 4.05.51.11.0.0 was used.

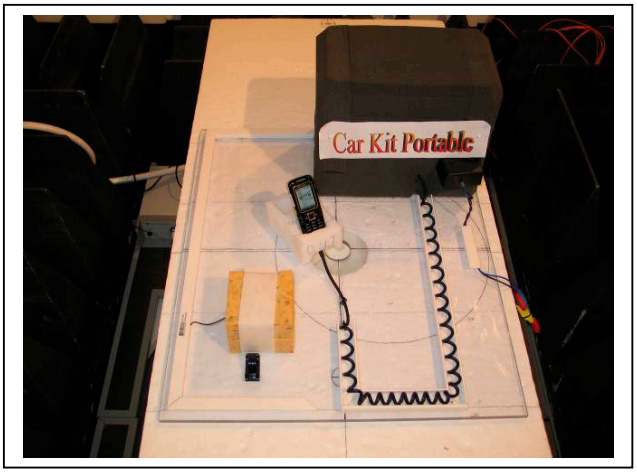

Figure 2.7 The setup for testing the Car Kit portable. The foam box contains the loudspeaker device due to the fact that the setup is also used for immunity test with respect to the European standards.

Figure 2.8 Chamber overview picture.

/end.