



Update to Project *bioenergetic measuring* *while using NESU anti-radiation devices*

Scientific project management:
Date of preparation:
Date of performance measurement:
Measure and report:

DI Dr. Naomi Kempe
July 2011, amended in October 2011
June 2011, amended in October 2011
DI Dr. Naomi Kempe, DI Christian Leopold

Aim of the study update

Due to the fact that on the market is an increase of other wireless devices (WLAN) such as Remote controller for game consoles, navigation devices, Kindle, tablets, etc. the question is whether this area can be covered by the NESU as well.

Results

The results of the study from the year 2011 can be implemented on the other devices that work and transmit data with similar power in the same frequency range as tested mobile phones (900-2400 MHz).

However, the following details need to be additionally clarified (examined):

If receiving and transmitting data at these devices is the same or exists significant reduce at transmitting data?

Is duration of exposure to human body significantly longer (comparison duration of a typical telephone call to length for a game on a game console or reading books on an electronic reading device)?

Allowed power transmission (state of the art on 2013)

D-network mobile phone (GSM 890 - 960 MHz) max. 2 W
E-network mobile phone (GSM 1710 - 1880 MHz) max. 1 W
UMTS mobile phone max. 125 mW
Wireless Internet Max. 200 mW typical max. 100 mW
Bluetooth max. 100 mW, typically 1, 2, 5 mW
DECT 10 to 50 mW

IBBU – Biosensorik und Bioenergetische Umweltforschung (Institute of biosensors and bio-energetic environmental research)

(in cooperation with the Center for Intellectual Medical Systems "IMEDIS", Moscow, Russia)

Lieboch, January 14th, 2014

Dr. Noemi Kempe

Dipl. Ing. Christian Leopold