Deutscher Akkreditierungs Rat

DAT-P-152/98-01

Appendix to Report

Dosimetric Assessment of the Portable Device iCON451 from Option (FCC ID: NCMOGI0451) tested in one host product

According to the FCC Requirements

February 27, 2009

IMST GmbH
Carl-Friedrich-Gauß-Str. 2
D-47475 Kamp-Lintfort

Customer

Option N.V.
Gaston Geenslaan 14
B-3001 Leuven

Executive Summary

The device iCON451 is a new USB stick from Option operating in the 850 MHz, 900 MHz, 1800 MHz and 1900 MHz frequency range. The device has an integrated antenna and the system concepts used are the GPRS/EDGE 850, GPRS/EDGE 900, GPRS/EDGE 1800, GPRS/EDGE 1900, WCDMA I (FDD), WCDMA II (FDD), WCDMA V (FDD) and WCDMA VIII (FDD) standards. The USB stick provides HSDPA and HSUPA in WCDMA.

The objective of the measurements done by IMST was the dosimetric assessment of one device in body worn configuration in the GPRS 850 (Class 12), GPRS 1900 (Class 12), WCDMA II (FDD) and WCDMA V (FDD) standards. The measurements were performed in combination with one host product (Fujitsu Siemens Amilo Pro). According to Fig. 2 the device was tested in four positions with a maximum distance of 5 mm between DUT and phantom. The examinations have been carried out with the dosimetric assessment system „DASY4“.

The measurements were made according to the Supplement C to OET Bulletin 65 of the Federal Communications Commission (FCC) Guidelines [OET 65] for evaluating compliance of mobile and portable devices with FCC limits for human exposure (general population) to radiofrequency emissions. Additional information and guidelines given by the following FCC documents were used: SAR Measurement Procedures for 3G Devices [KDB 941225] and Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies, 447498 D01 Mobile Portable RF Exposure v03r03 [KDB 447498]. All measurements have been performed in accordance to the recommendations given by SPEAG.

1) We confirm that the device operating parameters such as the different β and Δ values were configured properly and the power measurement procedures used have included the power setback considerations specified in 3GPP TS 34.121, and that the HSPA channels have remained active with the required E-TFCI and AG index values maintained during the durations of the measurements.

2) We confirm that that the required HSPA test parameters, including stable TFCI and output power conditions, have been used for the HSPA SAR measurements.

prepared by: ..... reviewed by:.....

Alexander Rahn	André van den Bosch
test engineer	quality assurance engineer