Specific Absorption Rate (SAR) Measurement Requirements in Accordance with KDB447498 D01 Mobile RF Exposure V03

Equipment: MaxID iDL3ID

FCC ID: TFTIDL3ID01

SAR Report Number: RFI/SARE2/RP73402JD03A

The equipment is a PDA body worn device utilising GSM, WIFI and RFID radio modules with simultaneous transmission.

Determining the SAR test procedure was in accordance with KDB447498 v03r01 (Mobile and Portable RF Exposure Procedures and Equipment Authorisation Policies).

For this PDA device the following applies:

KDB447498 Section 1 d), references procedure KDB248227 for 802.11 a/b/g devices.

KDB447498 Section 4 d) references applicability of KDB648474 (Handset SAR procedure).

Measured Maximum Transmitter Power of individual modules

GSM 850: 21.9dBm

PCS 1900: 23.9dBm

WiFi: 13.9dBm

RF ID (13.5MHz): 28.6dBuV/m @3m

Measured 1-g SAR for GSM and WiFi antennas

SAR limit 1.6 W/kg

GSM maximum SAR level = 0.113 W/kg

WiFi maximum SAR level (802.11b) = 0.00151 W/kg

(SAR measurements on 802.11g mode was not measured as maximum average output power was less than ¼ dB higher than that measured on the corresponding 802.11b channels, as per KDB 248227).

RF ID was not measured as transmitter power is negligible.

Sum of GSM + WiFi SAR = 0.11451 W/kg

Measured device antenna to antenna separation differences

Antenna to Antenna separation	X-axis cm	Y-axis cm	Z-axis (shortest distance) cm
GSM to WIFI	13.6	3	13.9

The distance from the GSM antenna to the WiFi antenna is <5cm and the 1-g SAR measured for all simultaneous transmitting antennas was less than the SAR limit stated in OET Bulletin 65 Supplement C 01-01.

Therefore as per KDB447498 and KDB648474 simultaneous transmission SAR evaluation is not required.