

Answers:

1. This phone uses a Windows based platform called "Pocket PC". If the manual is talking about pocket it is used in the sense of the Software. This has nothing to do with carrying the device in the pocket.
2. The 29.8 dBm was the maximum power the device could be set. The rated power is the theoretical power. There is no scaling necessary since this is the factory setting for this phones.
3. The device is using a GPRS class which has only one timeslot for uplink and 4 timeslots for downlink. So the phone was measured at its maximum.
4. This is only from a memory card. It was checked during SAR tests that the card has no influence. The tests were then done with no card inserted. This was expected since the card slot is far away from the hot spot.
5. 10 mm for the coarse scan and for the zoom scan 3.2 mm (X) and 6.4 mm (Y,Z)

6.

Isotropy at 1900 MHz:

Axial isotropy varies from probe to probe. The IXP-050 probe used as an example had axial isotropy's assessed by NPL as follows:

900MHz \pm 0.13 dB

1800MHz \pm 0.11 dB

1900MHz \pm 0.123 dB

The largest of these, \pm 0.13 dB equates to \pm 3%

DCP is not frequency dependant. It depends of the type of modulation.

Calibration: Full calibration was done at 1900 MHz Please refer to page 4 of 19 of Appendix C Paragraph 7 sentence 1

Early pages of the report are a general description only.

7. The amplifier setting was 2x Integration time 120 msec

8. For site dependent uncertainties we used numbers estimated / calculated according the IEE 1528. Regarding the integration time we used the following calculation

For an integration time of $t = 20$ milliseconds (the SAR probes sampling rate), if 1 pulse was missed, using Section E2.8 equation (E.3) of IEEE 1528

Only 1 pulse will be missed as a GSM standard TDMA signal has an idle frame of 1 in 26 over a period of 120 milliseconds. No other integration time figure is required as this is covered by the CW/TDMA investigation and

linearity

The Indexsar probe amplifiers have the facility for increasing the integration time in multiples of 20mS (50 Hz) or 16.67mS (60Hz). It is recommended that the integration period is set to 6 cycles for GSM phone testing. This reduces the uncertainty above as a good match with the frame rate can be achieved. The uncertainty above is reduced to $\pm 0.4\%$.

9. This angles are guaranteed by construction using a upright head phantom.

10. The liquid parameters are in Annex C of the report. We changed the templates for future reports and include the parameters in the plots.

11. The z-axis scan is not done. The documentation shows that the liquid is 15 cm above the scan area, which is an alternative method.

12. I attach a copy of the user manual. Please don't publish this manual without the permission of the manufacturer.