

14 SAR Test Result

It is determined by user manual for the distance between the EUT and the phantom bottom.

The distance is 10/15mm and just applied to the condition of body worn accessory.

It is performed for all SAR measurements with area scan based 1-g SAR estimation (Fast SAR). A zoom scan measurement is added when the estimated 1-g SAR is the highest measured SAR in each exposure configuration, wireless mode and frequency band combination or more than 1.2W/kg.

The calculated SAR is obtained by the following formula:

$$\text{Reported SAR} = \text{Measured SAR} \times 10^{(P_{\text{Target}} - P_{\text{Measured}})/10}$$

Where P_{Target} is the power of manufacturing upper limit;

P_{Measured} is the measured power in chapter 11.

| Mode | Duty Cycle |
|-----------------------------------|------------|
| Speech for GSM850/1900 | 1:8.3 |
| GPRS&EGPRS for GSM850/1900(AP ON) | 1:2 |
| GPRS&EGPRS for 1900(AP OFF) | 1:4 |
| WCDMA<E | 1:1 |

14.1 SAR results

Table 14-1 GSM850 #1 Head

| GSM850 #1 Head | | | | | | | | |
|---------------------------|--------------------------|-----------------|---------------------|--------------------|--------------------------|---------------------|--------------------|--------------------|
| Ambient Temperature: 22.5 | | | | | Liquid Temperature: 22.3 | | | |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | |
| | | | CH251 848.8 MHz | CH190 836.6 MHz | CH128 824.2 MHz | CH251 848.8 MHz | CH190 836.6 MHz | CH128 824.2 MHz |
| GSM | Tune-up | | 33.00 | 33.00 | 33.00 | Scaling factor* | | |
| | Slot Average Power [dBm] | | 32.65 | 32.77 | 32.74 | 1.08 | 1.05 | 1.06 |
| | Left Cheek | 1g SAR | | 0.044 | | | 0.05 | |
| | | 10g SAR | | 0.035 | | | 0.04 | |
| | | Deviation | | 0.08 | | | 0.08 | |
| | Left Tilt | 1g SAR | | 0.032 | | | 0.03 | |
| | | 10g SAR | | 0.024 | | | 0.03 | |
| | | Deviation | | 0.01 | | | 0.01 | |
| | Right Cheek | 1g SAR | 0.058 | 0.063 | 0.074 | 0.06 | 0.07 | 0.08 |
| | | 10g SAR | 0.047 | 0.051 | 0.059 | 0.05 | 0.05 | 0.06 |
| | | Deviation | 0.08 | -0.06 | 0.07 | 0.08 | -0.06 | 0.07 |
| | Right Tilt | 1g SAR | | 0.036 | | | 0.04 | |
| | | 10g SAR | | 0.03 | | | 0.03 | |
| | | Deviation | | 0.01 | | | 0.01 | |

Table 14-2 GSM850 #1 Body

| GSM850 #1 Body | | | | | | | | |
|---------------------------|--------------------------|-----------------|---------------------|--------------------|--------------------------|---------------------|--------------------|--------------------|
| Ambient Temperature: 22.5 | | | | | Liquid Temperature: 22.3 | | | |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | |
| | | | CH251 848.8 MHz | CH190 836.6 MHz | CH128 824.2 MHz | CH251 848.8 MHz | CH190 836.6 MHz | CH128 824.2 MHz |
| GPRS 4 Txslots | Tune-up | | 30.00 | 30.00 | 30.00 | Scaling factor* | | |
| | Slot Average Power [dBm] | | 29.33 | 29.49 | 29.45 | 1.17 | 1.13 | 1.14 |
| | Front | 1g SAR | | 0.121 | | | 0.14 | |
| | | 10g SAR | | 0.08 | | | 0.09 | |
| | | Deviation | | 0.03 | | | 0.03 | |
| | Rear | 1g SAR | 0.334 | 0.183 | 0.275 | 0.39 | 0.21 | 0.31 |
| | | 10g SAR | 0.183 | 0.169 | 0.154 | 0.21 | 0.19 | 0.17 |
| | | Deviation | 0.06 | 0.18 | 0.02 | 0.06 | 0.18 | 0.02 |
| | Left edge | 1g SAR | | 0.083 | | | 0.09 | |
| | | 10g SAR | | 0.057 | | | 0.06 | |
| | | Deviation | | -0.08 | | | -0.08 | |
| | Right edge | 1g SAR | | 0.205 | | | 0.23 | |
| | | 10g SAR | | 0.223 | | | 0.25 | |
| | | Deviation | | 0.17 | | | 0.17 | |
| | Bottom edge | 1g SAR | | 0.128 | | | 0.14 | |
| | | 10g SAR | | 0.072 | | | 0.08 | |
| Deviation | | | 0.11 | | | 0.11 | | |
| Top edge | 1g SAR | | | | | | | |
| | 10g SAR | | | | | | | |
| | Deviation | | | | | | | |
| EGPRS GMSK 4 Txslots | Tune-up | | 30.00 | 30.00 | 30.00 | Scaling factor* | | |
| | Slot Average Power [dBm] | | 29.34 | 29.48 | 29.44 | 1.16 | 1.13 | 1.14 |
| | Worst case check | 1g SAR | 0.316 | | | 0.37 | | |
| | | 10g SAR | 0.175 | | | 0.20 | | |
| | | Deviation | 0.01 | | | 0.01 | | |

Table 14-3 PCS1900 #1 Head

| PCS1900 #1 Head | | | | | | | | |
|---------------------------|--------------------------|-----------------|---------------------|-------------------|--------------------------|---------------------|-------------------|-----------------|
| Ambient Temperature: 22.5 | | | | | Liquid Temperature: 22.3 | | | |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | |
| | | | CH810 1909.8 | CH661 1880 MHz | CH512 1850.2 | CH810 1909.8 | CH661 1880 MHz | CH512 1850.2 |
| GSM | Tune-up | | 30.50 | 30.50 | 30.50 | Scaling factor* | | |
| | Slot Average Power [dBm] | | 29.72 | 29.90 | 30.44 | 1.20 | 1.15 | 1.01 |
| | Left Cheek | 1g SAR | | | 0.072 | | | 0.07 |
| | | 10g SAR | | | 0.046 | | | 0.05 |
| | | Deviation | | | 0.09 | | | 0.09 |
| | Left Tilt | 1g SAR | | | 0.056 | | | 0.06 |
| | | 10g SAR | | | 0.036 | | | 0.04 |
| | | Deviation | | | 0.04 | | | 0.04 |
| | Right Cheek | 1g SAR | 0.072 | 0.064 | 0.082 | 0.09 | 0.07 | 0.08 |
| | | 10g SAR | 0.044 | 0.04 | 0.052 | 0.05 | 0.05 | 0.05 |
| | | Deviation | 0.07 | 0.11 | 0.18 | 0.07 | 0.11 | 0.18 |
| | Right Tilt | 1g SAR | | | 0.058 | | | 0.06 |
| | | 10g SAR | | | 0.041 | | | 0.04 |
| | | Deviation | | | 0.05 | | | 0.05 |



Table 14-4 PCS1900 #1 Body AP OFF

| PCS1900 #1 Body | | | | | | | | |
|---------------------------|--------------------------|-----------------|--------------------------|-------------------|-----------------|---------------------|-------------------|-----------------|
| Ambient Temperature: 22.5 | | | Liquid Temperature: 22.3 | | | | | |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | |
| | | | CH810 1909.8 | CH661 1880 MHz | CH512 1850.2 | CH810 1909.8 | CH661 1880 MHz | CH512 1850.2 |
| GPRS 2 Txslots | Tune-up | | 30.00 | 30.00 | 30.00 | Scaling factor* | | |
| | Slot Average Power [dBm] | | 28.95 | 29.12 | 29.64 | 1.27 | 1.22 | 1.09 |
| | Front | 1g SAR | | | 0.274 | | | 0.30 |
| | | 10g SAR | | | 0.159 | | | 0.17 |
| | | Deviation | | | 0.05 | | | 0.05 |
| | Rear | 1g SAR | 0.281 | 0.311 | 0.381 | 0.36 | 0.38 | 0.41 |
| | | 10g SAR | 0.172 | 0.189 | 0.229 | 0.22 | 0.23 | 0.25 |
| | | Deviation | 0.1 | -0.08 | -0.05 | 0.10 | -0.08 | -0.05 |
| | Left edge | 1g SAR | | | | | | |
| | | 10g SAR | | | | | | |
| | | Deviation | | | | | | |
| | Right edge | 1g SAR | | | | | | |
| | | 10g SAR | | | | | | |
| | | Deviation | | | | | | |
| | Bottom edge | 1g SAR | | | | | | |
| | | 10g SAR | | | | | | |
| | | Deviation | | | | | | |
| | Top edge | 1g SAR | | | | | | |
| | | 10g SAR | | | | | | |
| | | Deviation | | | | | | |



Table 14-5 PCS1900 #2 Body AP ON

| PCS1900 #2 Body | | | | | | | | |
|---------------------------|--------------------------|-----------------|---------------------|-------------------|-----------------|--------------------------|-------------------|-----------------|
| Ambient Temperature: 22.5 | | | | | | Liquid Temperature: 22.3 | | |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | |
| | | | CH810 1909.8 | CH661 1880 MHz | CH512 1850.2 | CH810 1909.8 | CH661 1880 MHz | CH512 1850.2 |
| GPRS 4 Txslots | Tune-up | | 25.00 | 25.00 | 25.00 | Scaling factor* | | |
| | Slot Average Power [dBm] | | 24.33 | 24.30 | 24.64 | 1.17 | 1.18 | 1.09 |
| | Front | 1g SAR | | 0.507 | | | 0.60 | |
| | | 10g SAR | | 0.283 | | | 0.33 | |
| | | Deviation | | 0.09 | | | 0.09 | |
| | Rear | 1g SAR | | 0.654 | | | 0.77 | |
| | | 10g SAR | | 0.389 | | | 0.46 | |
| | | Deviation | | 0.13 | | | 0.13 | |
| | Left edge | 1g SAR | | 0.111 | | | 0.13 | |
| | | 10g SAR | | 0.065 | | | 0.08 | |
| | | Deviation | | 0.08 | | | 0.08 | |
| | Right edge | 1g SAR | | 0.089 | | | 0.10 | |
| | | 10g SAR | | 0.051 | | | 0.06 | |
| | | Deviation | | -0.16 | | | -0.16 | |
| | Bottom edge | 1g SAR | 0.901 | 0.979 | 1.09 | 1.05 | 1.15 | 1.18 |
| | | 10g SAR | 0.494 | 0.54 | 0.611 | 0.58 | 0.63 | 0.66 |
| Deviation | | -0.04 | -0.03 | -0.12 | -0.04 | -0.03 | -0.12 | |
| Top edge | 1g SAR | | | | | | | |
| | 10g SAR | | | | | | | |
| | Deviation | | | | | | | |
| EGPRS GMSK 4 Txslots | Tune-up | | 25.00 | 25.00 | 25.00 | Scaling factor* | | |
| | Slot Average Power [dBm] | | 24.33 | 24.29 | 24.64 | 1.17 | 1.18 | 1.09 |
| | Bottom edge | 1g SAR | | | 0.975 | | | 1.06 |
| | | 10g SAR | | | 0.546 | | | 0.59 |
| Deviation | | | | 0.04 | | | 0.04 | |
| GPRS 4 Txslots 0mm | Bottom edge | 1g SAR | | | 1.91 | | | 2.07 |
| | | 10g SAR | | | 0.85 | | | 0.92 |
| | | Deviation | | | -0.1 | | | -0.10 |
| GPRS 4 Txslots 0mm | Front | 1g SAR | | | 0.888 | | | 0.96 |
| | | 10g SAR | | | 0.394 | | | 0.43 |
| | | Deviation | | | 0.05 | | | 0.05 |
| GPRS 4 Txslots 0mm | Rear | 1g SAR | | | 1.15 | | | 1.25 |
| | | 10g SAR | | | 0.541 | | | 0.59 |
| | | Deviation | | | -0.02 | | | -0.02 |

Table 14-6 WCDMA1900-BII #1Head

| WCDMA1900-BII #1Head | | | | | | | | | |
|----------------------|--------------------------|-----------------|----------------------|--------------------|----------------------|----------------------|--------------------|----------------------|------|
| Ambient Temperature: | | | 22.5 | | | Liquid Temperature: | | | 22.3 |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | | |
| | | | CH9538 1907.6 MHz | CH9400 1880 MHz | CH9262 1852.4 MHz | CH9538 1907.6 MHz | CH9400 1880 MHz | CH9262 1852.4 MHz | |
| RMC | Tune-up | | 24.00 | 24.00 | 24.00 | Scaling factor* | | | |
| | Slot Average Power [dBm] | | 23.98 | 23.88 | 23.95 | 1.00 | 1.03 | 1.01 | |
| | Left Cheek | 1g SAR | 0.169 | 0.191 | 0.178 | 0.17 | 0.20 | 0.18 | |
| | | 10g SAR | 0.114 | 0.121 | 0.12 | 0.11 | 0.12 | 0.12 | |
| | | Deviation | 0.09 | 0.11 | 0.14 | 0.09 | 0.11 | 0.14 | |
| | Left Tilt | 1g SAR | | 0.072 | | | 0.07 | | |
| | | 10g SAR | | 0.049 | | | 0.05 | | |
| | | Deviation | | -0.02 | | | -0.02 | | |
| | Right Cheek | 1g SAR | | 0.137 | | | 0.14 | | |
| | | 10g SAR | | 0.091 | | | 0.09 | | |
| | | Deviation | | 0.11 | | | 0.11 | | |
| | Right Tilt | 1g SAR | | 0.077 | | | 0.08 | | |
| | | 10g SAR | | 0.054 | | | 0.06 | | |
| | | Deviation | | 0.06 | | | 0.06 | | |

Table 14-7 WCDMA1900-BII #1Body AP OFF

| WCDMA1900-BII #1Body | | | | | | | | | |
|----------------------|--------------------------|-----------------|----------------------|--------------------|----------------------|----------------------|--------------------|----------------------|------|
| Ambient Temperature: | | | 22.5 | | | Liquid Temperature: | | | 22.3 |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | | |
| | | | CH9538 1907.6 MHz | CH9400 1880 MHz | CH9262 1852.4 MHz | CH9538 1907.6 MHz | CH9400 1880 MHz | CH9262 1852.4 MHz | |
| RMC | Tune-up | | 24.00 | 24.00 | 24.00 | Scaling factor* | | | |
| | Slot Average Power [dBm] | | 23.98 | 23.88 | 23.95 | 1.00 | 1.03 | 1.01 | |
| | Front | 1g SAR | | 0.329 | | | 0.34 | | |
| | | 10g SAR | | 0.196 | | | 0.20 | | |
| | | Deviation | | 0.11 | | | 0.11 | | |
| | Rear | 1g SAR | 0.396 | 0.401 | 0.518 | 0.40 | 0.41 | 0.52 | |
| | | 10g SAR | 0.23 | 0.232 | 0.313 | 0.23 | 0.24 | 0.32 | |
| | | Deviation | 0.09 | -0.04 | -0.05 | 0.09 | -0.04 | -0.05 | |
| | Left edge | 1g SAR | | | | | | | |
| | | 10g SAR | | | | | | | |
| | | Deviation | | | | | | | |
| | Right edge | 1g SAR | | | | | | | |
| | | 10g SAR | | | | | | | |
| | | Deviation | | | | | | | |
| | Bottom edge | 1g SAR | | | | | | | |
| 10g SAR | | | | | | | | | |
| Deviation | | | | | | | | | |
| Top edge | 1g SAR | | | | | | | | |
| | 10g SAR | | | | | | | | |
| | Deviation | | | | | | | | |



Table 14-8 WCDMA1900-BII #2Body AP ON

| WCDMA1900-BII #2 AP ONBody | | | | | | | | |
|----------------------------|--------------------------|-----------------|--------------------------|--------------------|----------------------|----------------------|--------------------|----------------------|
| Ambient Temperature: 22.5 | | | Liquid Temperature: 22.3 | | | | | |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | |
| | | | CH9538 1907.6 MHz | CH9400 1880 MHz | CH9262 1852.4 MHz | CH9538 1907.6 MHz | CH9400 1880 MHz | CH9262 1852.4 MHz |
| RMC | Tune-up | | 21.00 | 21.00 | 21.00 | Scaling factor* | | |
| | Slot Average Power [dBm] | | 20.44 | 20.27 | 20.45 | 1.14 | 1.18 | 1.14 |
| | Front | 1g SAR | | 0.319 | | | 0.38 | |
| | | 10g SAR | | 0.189 | | | 0.22 | |
| | | Deviation | | 0.09 | | | 0.09 | |
| | Rear | 1g SAR | | 0.454 | | | 0.54 | |
| | | 10g SAR | | 0.265 | | | 0.31 | |
| | | Deviation | | 0.03 | | | 0.03 | |
| | Left edge | 1g SAR | | 0.057 | | | 0.07 | |
| | | 10g SAR | | 0.035 | | | 0.04 | |
| | | Deviation | | 0.12 | | | 0.12 | |
| | Right edge | 1g SAR | | 0.053 | | | 0.06 | |
| | | 10g SAR | | 0.033 | | | 0.04 | |
| | | Deviation | | -0.08 | | | -0.08 | |
| | Bottom edge | 1g SAR | 0.612 | 0.701 | 0.593 | 0.70 | 0.83 | 0.67 |
| | | 10g SAR | 0.341 | 0.382 | 0.329 | 0.39 | 0.45 | 0.37 |
| | | Deviation | 0.01 | -0.03 | 0.01 | 0.01 | -0.03 | 0.01 |
| | Top edge | 1g SAR | | | | | | |
| 10g SAR | | | | | | | | |
| Deviation | | | | | | | | |
| RMC 0mm | Bottom edge | 1g SAR | | 2.75 | | | 3.25 | |
| | | 10g SAR | | 1.18 | | | 1.40 | |
| | | Deviation | | -0.1 | | | -0.10 | |

Table 14-9 WCDMA1700-BIV #1Head

| WCDMA1700-BIV #1Head | | | | | | | | |
|---------------------------|--------------------------|-----------------|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Ambient Temperature: 22.5 | | | Liquid Temperature: 22.3 | | | | | |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | |
| | | | CH1513 1752.6 MHz | CH1412 1732.4 MHz | CH1312 1712.4 MHz | CH1513 1752.6 MHz | CH1412 1732.4 MHz | CH1312 1712.4 MHz |
| RMC | Tune-up | | 24.20 | 24.20 | 24.20 | Scaling factor* | | |
| | Slot Average Power [dBm] | | 24.04 | 24.05 | 24.08 | 1.04 | 1.04 | 1.03 |
| | Left Cheek | 1g SAR | | 0.052 | | | 0.05 | |
| | | 10g SAR | | 0.041 | | | 0.04 | |
| | | Deviation | | 0.11 | | | 0.11 | |
| | Left Tilt | 1g SAR | | 0.033 | | | 0.03 | |
| | | 10g SAR | | 0.021 | | | 0.02 | |
| | | Deviation | | -0.08 | | | -0.08 | |
| | Right Cheek | 1g SAR | 0.124 | 0.149 | 0.089 | 0.13 | 0.15 | 0.09 |
| | | 10g SAR | 0.086 | 0.096 | 0.062 | 0.09 | 0.10 | 0.06 |
| | | Deviation | 0.04 | 0.16 | 0.07 | 0.04 | 0.16 | 0.07 |
| | Right Tilt | 1g SAR | | 0.042 | | | 0.04 | |
| | | 10g SAR | | 0.028 | | | 0.03 | |
| | | Deviation | | -0.11 | | | -0.11 | |

Table 14-10 WCDMA1700-BIV #1Body AP OFF

| WCDMA1700-BIV #1Body | | | | | | | | | |
|----------------------|--------------------------|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|
| Ambient Temperature: | | | 22.5 | | | Liquid Temperature: | | | 22.3 |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | | |
| | | | CH1513 1752.6 MHz | CH1412 1732.4 MHz | CH1312 1712.4 MHz | CH1513 1752.6 MHz | CH1412 1732.4 MHz | CH1312 1712.4 MHz | |
| RMC | Tune-up | | 24.20 | 24.20 | 24.20 | Scaling factor* | | | |
| | Slot Average Power [dBm] | | 24.04 | 24.05 | 24.08 | 1.04 | 1.04 | 1.03 | |
| | Front | 1g SAR | | 0.487 | | | 0.50 | | |
| | | 10g SAR | | 0.275 | | | 0.28 | | |
| | | Deviation | | 0.11 | | | 0.11 | | |
| | Rear | 1g SAR | 1.06 | 0.801 | 1.02 | 1.10 | 0.83 | 1.05 | |
| | | 10g SAR | 0.634 | 0.473 | 0.605 | 0.66 | 0.49 | 0.62 | |
| | | Deviation | 0.07 | 0.08 | 0.02 | 0.07 | 0.08 | 0.02 | |
| | Left edge | 1g SAR | | | | | | | |
| | | 10g SAR | | | | | | | |
| | | Deviation | | | | | | | |
| | Right edge | 1g SAR | | | | | | | |
| | | 10g SAR | | | | | | | |
| | | Deviation | | | | | | | |
| | Bottom edge | 1g SAR | | | | | | | |
| | | 10g SAR | | | | | | | |
| | | Deviation | | | | | | | |
| | Top edge | 1g SAR | | | | | | | |
| | | 10g SAR | | | | | | | |
| | | Deviation | | | | | | | |

Table 14-11 WCDMA1700-BIV #2Body AP ON

| WCDMA1700-BIV #2 AP ONBody | | | | | | | | | |
|----------------------------|--------------------------|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|
| Ambient Temperature: | | | 22.5 | | | Liquid Temperature: | | | 22.3 |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | | |
| | | | CH1513 1752.6 MHz | CH1412 1732.4 MHz | CH1312 1712.4 MHz | CH1513 1752.6 MHz | CH1412 1732.4 MHz | CH1312 1712.4 MHz | |
| RMC | Tune-up | | 21.20 | 21.20 | 21.20 | Scaling factor* | | | |
| | Slot Average Power [dBm] | | 20.02 | 20.01 | 20.04 | 1.31 | 1.32 | 1.31 | |
| | Front | 1g SAR | | 0.346 | | | 0.46 | | |
| | | 10g SAR | | 0.199 | | | 0.26 | | |
| | | Deviation | | 0.08 | | | 0.08 | | |
| | Rear | 1g SAR | 0.657 | 0.73 | 0.694 | 0.86 | 0.96 | 0.91 | |
| | | 10g SAR | 0.254 | 0.396 | 0.376 | 0.33 | 0.52 | 0.49 | |
| | | Deviation | 0.11 | 0.04 | 0.06 | 0.11 | 0.04 | 0.06 | |
| | Left edge | 1g SAR | | 0.086 | | | 0.11 | | |
| | | 10g SAR | | 0.054 | | | 0.07 | | |
| | | Deviation | | 0.06 | | | 0.06 | | |
| | Right edge | 1g SAR | | 0.046 | | | 0.06 | | |
| | | 10g SAR | | 0.031 | | | 0.04 | | |
| | | Deviation | | 0.09 | | | 0.09 | | |
| | Bottom edge | 1g SAR | 0.852 | 0.812 | 0.763 | 1.12 | 1.07 | 1.00 | |
| | | 10g SAR | 0.471 | 0.448 | 0.42 | 0.62 | 0.59 | 0.55 | |
| | | Deviation | -0.06 | 0.01 | 0.18 | -0.06 | 0.01 | 0.18 | |
| | Top edge | 1g SAR | | | | | | | |
| | | 10g SAR | | | | | | | |
| | | Deviation | | | | | | | |
| RMC 0mm | Bottom edge | 1g SAR | 2.75 | | | 3.61 | | | |
| | | 10g SAR | 1.24 | | | 1.63 | | | |
| | | Deviation | -0.03 | | | -0.03 | | | |
| RMC 0mm | Rear | 1g SAR | 2.12 | | | 2.78 | | | |
| | | 10g SAR | 0.669 | | | 0.88 | | | |
| | | Deviation | 0.06 | | | 0.06 | | | |

Table 14-12 WCDMA850-BV #1Head

| WCDMA850-BV #1Head | | | | | | | | | |
|----------------------|--------------------------|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------|
| Ambient Temperature: | | | 22.5 | | | Liquid Temperature: | | | 22.3 |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | | |
| | | | CH4233 846.6 MHz | CH4182 835.4 MHz | CH4132 826.4 MHz | CH4233 846.6 MHz | CH4182 835.4 MHz | CH4132 826.4 MHz | |
| RMC | Tune-up | | 24.00 | 24.00 | 24.00 | Scaling factor* | | | |
| | Slot Average Power [dBm] | | 23.91 | 23.89 | 23.85 | 1.02 | 1.03 | 1.04 | |
| | Left Cheek | 1g SAR | | 0.083 | | | 0.09 | | |
| | | 10g SAR | | 0.067 | | | 0.07 | | |
| | | Deviation | | 0.09 | | | 0.09 | | |
| | Left Tilt | 1g SAR | | 0.056 | | | 0.06 | | |
| | | 10g SAR | | 0.045 | | | 0.05 | | |
| | | Deviation | | 0.12 | | | 0.12 | | |
| | Right Cheek | 1g SAR | 0.095 | 0.11 | 0.119 | 0.10 | 0.11 | 0.12 | |
| | | 10g SAR | 0.075 | 0.087 | 0.094 | 0.08 | 0.09 | 0.10 | |
| | | Deviation | 0.01 | 0.08 | 0.03 | 0.01 | 0.08 | 0.03 | |
| | Right Tilt | 1g SAR | | 0.064 | | | 0.07 | | |
| | | 10g SAR | | 0.054 | | | 0.06 | | |
| | | Deviation | | 0.08 | | | 0.08 | | |

Table 14-13 WCDMA850-BV #1Body

| WCDMA850-BV #1Body | | | | | | | | | |
|----------------------|--------------------------|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------|
| Ambient Temperature: | | | 22.5 | | | Liquid Temperature: | | | 22.3 |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | | |
| | | | CH4233 846.6 MHz | CH4182 835.4 MHz | CH4132 826.4 MHz | CH4233 846.6 MHz | CH4182 835.4 MHz | CH4132 826.4 MHz | |
| RMC | Tune-up | | 24.00 | 24.00 | 24.00 | Scaling factor* | | | |
| | Slot Average Power [dBm] | | 23.91 | 23.89 | 23.85 | 1.02 | 1.03 | 1.04 | |
| | Front | 1g SAR | | 0.122 | | | 0.13 | | |
| | | 10g SAR | | 0.072 | | | 0.07 | | |
| | | Deviation | | 0.06 | | | 0.06 | | |
| | Rear | 1g SAR | 0.254 | 0.258 | 0.242 | 0.26 | 0.26 | 0.25 | |
| | | 10g SAR | 0.139 | 0.141 | 0.136 | 0.14 | 0.14 | 0.14 | |
| | | Deviation | 0.01 | -0.02 | 0.08 | 0.01 | -0.02 | 0.08 | |
| | Left edge | 1g SAR | | 0.068 | | | 0.07 | | |
| | | 10g SAR | | 0.046 | | | 0.05 | | |
| | | Deviation | | 0.11 | | | 0.11 | | |
| | Right edge | 1g SAR | | 0.104 | | | 0.11 | | |
| | | 10g SAR | | 0.071 | | | 0.07 | | |
| | | Deviation | | 0.01 | | | 0.01 | | |
| | Bottom edge | 1g SAR | | 0.115 | | | 0.12 | | |
| 10g SAR | | | 0.064 | | | 0.07 | | | |
| Deviation | | | 0.09 | | | 0.09 | | | |
| Top edge | 1g SAR | | | | | | | | |
| | 10g SAR | | | | | | | | |
| | Deviation | | | | | | | | |

Table 14-14 LTE1900-FDD2 #1 Head

| LTE1900-FDD2 #1 Head | | | | | | | | |
|---------------------------|----------------------|--------------------|--------------------------|---------------------|-------|---------------------|---------------------|-------|
| Ambient Temperature: 22.5 | | | Liquid Temperature: 22.3 | | | | | |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | |
| | | | 19100 | 18900 | 18700 | 19100 | 18900 | 18700 |
| | | | M | M | M | M | M | M |
| 20MHz QPSK1RB | Tune-up | | 24.00 | 24.00 | 24.00 | Scaling factor* | | |
| | Measured Power [dBm] | | 23.19 | 23.20 | 23.24 | 1.20 | 1.20 | 1.19 |
| | Left Cheek | 1g SAR | | | 0.114 | | | 0.14 |
| | | 10g SAR | | | 0.074 | | | 0.09 |
| | | Deviation | | | 0.11 | | | 0.11 |
| | Left Tilt | 1g SAR | | | 0.073 | | | 0.09 |
| | | 10g SAR | | | 0.05 | | | 0.06 |
| | | Deviation | | | 0.09 | | | 0.09 |
| | Right Cheek | 1g SAR | | | 0.159 | | | 0.19 |
| | | 10g SAR | | | 0.1 | | | 0.12 |
| | | Deviation | | | 0.03 | | | 0.03 |
| | Right Tilt | 1g SAR | | | 0.048 | | | 0.06 |
| | | 10g SAR | | | 0.034 | | | 0.04 |
| | | Deviation | | | 0.02 | | | 0.02 |
| | TRUE | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | |
| 19100 | | | | 18900 | 18700 | 19100 | 18900 | 18700 |
| L | | | | M | L | L | M | L |
| 20MHz QPSK50% RB | Tune-up | | 23.00 | 23.00 | 23.00 | Scaling factor* | | |
| | Measured Power [dBm] | | 22.16 | 22.09 | 22.19 | 1.21 | 1.23 | 1.20 |
| | Left Cheek | 1g SAR | | | 0.083 | | | 0.10 |
| | | 10g SAR | | | 0.055 | | | 0.07 |
| | | Deviation | | | 0.14 | | | 0.14 |
| | Left Tilt | 1g SAR | | | 0.062 | | | 0.07 |
| | | 10g SAR | | | 0.042 | | | 0.05 |
| | | Deviation | | | -0.05 | | | -0.05 |
| | Right Cheek | 1g SAR | | | 0.136 | | | 0.16 |
| | | 10g SAR | | | 0.087 | | | 0.10 |
| | | Deviation | | | 0.04 | | | 0.04 |
| | Right Tilt | 1g SAR | | | 0.038 | | | 0.05 |
| | | 10g SAR | | | 0.027 | | | 0.03 |
| | | Deviation | | | 0.15 | | | 0.15 |

Table 14-15 LTE1900-FDD2 #1 Body AP OFF

| LTE1900-FDD2 #1 Body | | | | | | | | |
|---------------------------|----------------------|-----------------|---------------------|--------------------------|------------|---------------------|------------|------------|
| Ambient Temperature: 22.5 | | | | Liquid Temperature: 22.3 | | | | |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | |
| | | | 19100 M | 18900 M | 18700 M | 19100 M | 18900 M | 18700 M |
| 20MHz QPSK1RB | Tune-up | | 24.00 | 24.00 | 24.00 | Scaling factor* | | |
| | Measured Power [dBm] | | 23.19 | 23.20 | 23.24 | 1.20 | 1.20 | 1.19 |
| | Front | 1g SAR | | | 0.336 | | | 0.40 |
| | | 10g SAR | | | 0.195 | | | 0.23 |
| | | Deviation | | | 0.03 | | | 0.03 |
| | Rear | 1g SAR | | | 0.474 | | | 0.56 |
| | | 10g SAR | | | 0.287 | | | 0.34 |
| | | Deviation | | | -0.1 | | | -0.10 |
| | Left edge | 1g SAR | | | | | | |
| | | 10g SAR | | | | | | |
| | | Deviation | | | | | | |
| | Right edge | 1g SAR | | | | | | |
| | | 10g SAR | | | | | | |
| | | Deviation | | | | | | |
| | Bottom edge | 1g SAR | | | | | | |
| | | 10g SAR | | | | | | |
| Deviation | | | | | | | | |
| Top edge | 1g SAR | | | | | | | |
| | 10g SAR | | | | | | | |
| | Deviation | | | | | | | |
| Mode | Device orientation | SAR measurement | Measured SAR [W/kg] | | | Reported SAR [W/kg] | | |
| | | | 19100 L | 18900 M | 18700 L | 19100 | 18900 | 18700 |
| 20MHz QPSK50% RB | Tune-up | | 23.00 | 23.00 | 23.00 | Scaling factor* | | |
| | Measured Power [dBm] | | 22.16 | 22.09 | 22.19 | 1.21 | 1.23 | 1.20 |
| | Front | 1g SAR | | | 0.194 | | | 0.23 |
| | | 10g SAR | | | 0.118 | | | 0.14 |
| | | Deviation | | | 0.14 | | | 0.14 |
| | Rear | 1g SAR | | | 0.392 | | | 0.47 |
| | | 10g SAR | | | 0.236 | | | 0.28 |
| | | Deviation | | | 0.02 | | | 0.02 |
| | Left edge | 1g SAR | | | | | | |
| | | 10g SAR | | | | | | |
| | | Deviation | | | | | | |
| | Right edge | 1g SAR | | | | | | |
| | | 10g SAR | | | | | | |
| | | Deviation | | | | | | |
| | Bottom edge | 1g SAR | | | | | | |
| | | 10g SAR | | | | | | |
| Deviation | | | | | | | | |
| Top edge | 1g SAR | | | | | | | |
| | 10g SAR | | | | | | | |
| | Deviation | | | | | | | |