

Time Averaged Transmitter Power and Exposure to Electromagnetic Fields from Mobile Phone Base Stations

Table S1. UMTS duty factors as a function of the region, displayed as average \pm standard deviation of the group. The row labelled “All” shows the average factors for the whole dataset. The median and the quartiles Q_{25} and Q_{75} are also given in the last three rows. The statistics are based on the respective sample(s) of cells.

| Region | # cells | F_{\min} | F_{night} | F_{24} | F_{day} | F_{\max} |
|-------------------|---------|-----------------|--------------------|-----------------|------------------|-----------------|
| Central | 27 | 0.20 \pm 0.04 | 0.24 \pm 0.04 | 0.31 \pm 0.05 | 0.34 \pm 0.05 | 0.67 \pm 0.15 |
| North | 24 | 0.22 \pm 0.05 | 0.27 \pm 0.08 | 0.34 \pm 0.10 | 0.38 \pm 0.12 | 0.74 \pm 0.17 |
| South | 24 | 0.23 \pm 0.05 | 0.28 \pm 0.05 | 0.32 \pm 0.07 | 0.35 \pm 0.07 | 0.64 \pm 0.14 |
| West | 22 | 0.19 \pm 0.04 | 0.23 \pm 0.06 | 0.29 \pm 0.08 | 0.32 \pm 0.10 | 0.71 \pm 0.22 |
| All | 97 | 0.21 \pm 0.05 | 0.25 \pm 0.06 | 0.32 \pm 0.08 | 0.35 \pm 0.09 | 0.69 \pm 0.17 |
| Median | 97 | 0.21 | 0.25 | 0.31 | 0.34 | 0.68 |
| Quartile Q_{25} | 97 | 0.17 | 0.20 | 0.26 | 0.28 | 0.59 |
| Quartile Q_{75} | 97 | 0.23 | 0.28 | 0.35 | 0.39 | 0.79 |

Table S2. UMTS duty factors as a function of the cell type, displayed as average \pm standard deviation of the group. The last row shows the average factors for the whole dataset.

| Cell Type | # cells | F_{\min} | F_{night} | F_{24} | F_{day} | F_{\max} |
|-----------|---------|-----------------|--------------------|-----------------|------------------|-----------------|
| Rural | 18 | 0.20 \pm 0.04 | 0.23 \pm 0.05 | 0.27 \pm 0.07 | 0.29 \pm 0.08 | 0.64 \pm 0.20 |
| Suburban | 27 | 0.21 \pm 0.04 | 0.24 \pm 0.05 | 0.28 \pm 0.06 | 0.31 \pm 0.07 | 0.67 \pm 0.21 |
| Urban | 27 | 0.24 \pm 0.04 | 0.30 \pm 0.06 | 0.36 \pm 0.07 | 0.39 \pm 0.08 | 0.71 \pm 0.14 |
| Hotspot | 25 | 0.19 \pm 0.05 | 0.24 \pm 0.06 | 0.34 \pm 0.07 | 0.38 \pm 0.08 | 0.73 \pm 0.15 |
| All | 97 | 0.21 \pm 0.05 | 0.25 \pm 0.06 | 0.32 \pm 0.08 | 0.35 \pm 0.09 | 0.69 \pm 0.17 |

Table S3. UMTS duty factors as a function of the number of carriers, displayed as average \pm standard deviation of the group. The average number of carriers in the dataset is 2.7. The last row shows the average factors for the whole dataset.

| n_{trx} | # cells | F_{min} | F_{night} | F_{24} | F_{day} | F_{max} |
|------------------|-------------|------------------|--------------------|-----------------|------------------|------------------|
| 1 | 9 | 0.18 \pm 0.02 | 0.20 \pm 0.03 | 0.22 \pm 0.03 | 0.23 \pm 0.03 | 0.57 \pm 0.26 |
| 2 | 28 | 0.21 \pm 0.05 | 0.26 \pm 0.06 | 0.30 \pm 0.07 | 0.32 \pm 0.08 | 0.71 \pm 0.18 |
| 3 | 42 | 0.22 \pm 0.04 | 0.26 \pm 0.05 | 0.33 \pm 0.06 | 0.36 \pm 0.07 | 0.67 \pm 0.16 |
| 4 | 18 | 0.20 \pm 0.06 | 0.26 \pm 0.08 | 0.36 \pm 0.08 | 0.41 \pm 0.09 | 0.76 \pm 0.14 |
| 2.7 (average) | 97 (all) | 0.21 \pm 0.05 | 0.25 \pm 0.06 | 0.32 \pm 0.08 | 0.35 \pm 0.09 | 0.69 \pm 0.17 |

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