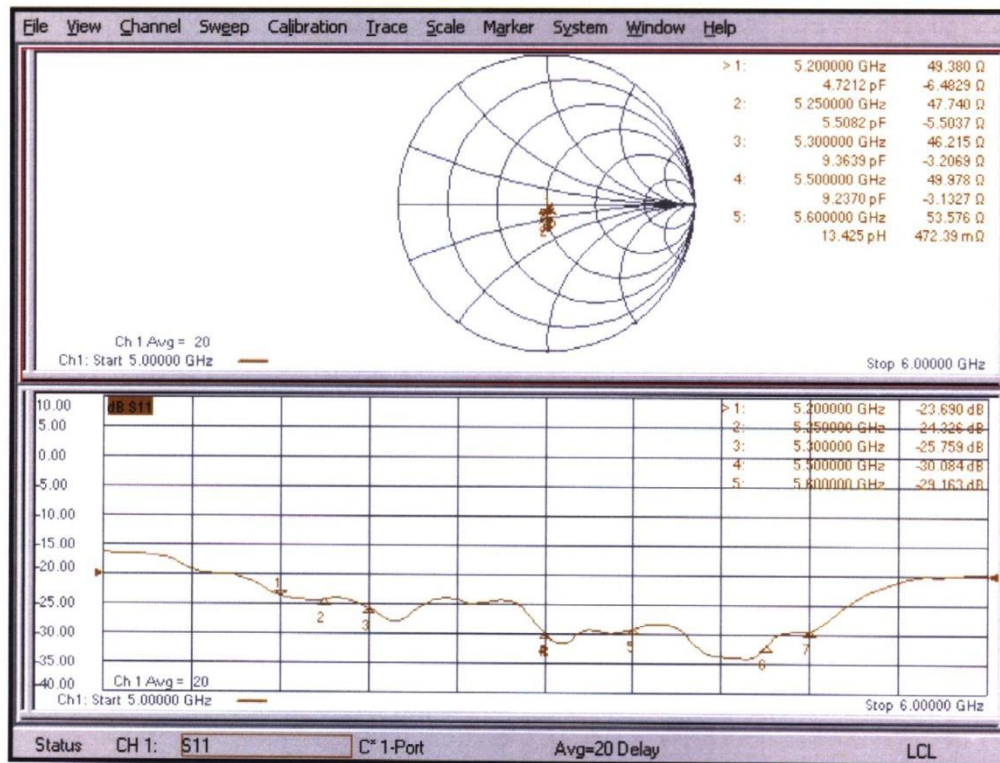
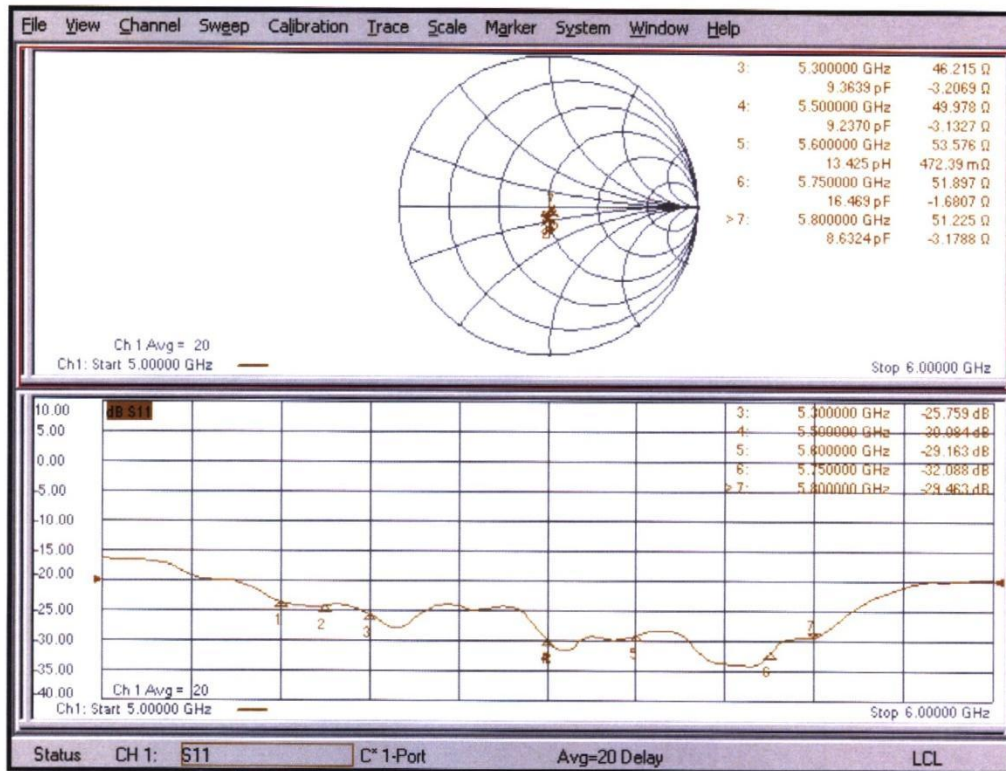


Impedance Measurement Plot for Head TSL (5200, 5250, 5300, 5500, 5600 MHz)



Impedance Measurement Plot for Head TSL (5300, 5500, 5600, 5750, 5800 MHz)



ANNEX I New Band and Spotcheck

I.1 Dielectric Performance and System Validation

Table I.1-1: Dielectric Performance of Head Tissue Simulating Liquid

| Measurement Date (yyyy-mm-dd) | Type | Frequency | Permittivity ϵ | Drift (%) | Conductivity σ (S/m) | Drift (%) |
|-------------------------------|------|-----------|-------------------------|-----------|-----------------------------|-----------|
| 2022/10/2 | Head | 750MHz | 42.11 | 0.40% | 0.857 | -3.66% |
| 2022/10/1 | Head | 835MHz | 41.86 | 0.86% | 0.874 | -2.92% |
| 2022/10/1 | Head | 1900MHz | 41.61 | 4.01% | 1.438 | 2.75% |
| 2022/10/3 | Head | 2450MHz | 39.99 | 2.01% | 1.822 | 1.25% |
| 2022/10/3 | Head | 5750MHz | 34.63 | -2.05% | 5.108 | -2.14% |

Table I.1-2: System Validation of Head

| Measurement Date (yyyy-mm-dd) | Frequency | Target value (W/kg) | | Measured value(W/kg) | | Deviation | |
|-------------------------------|-----------|---------------------|-------------|----------------------|-------------|--------------|-------------|
| | | 10 g Average | 1 g Average | 10 g Average | 1 g Average | 10 g Average | 1 g Average |
| 2022-10-2 | 750MHz | 5.64 | 8.63 | 5.48 | 8.36 | -2.84% | -3.13% |
| 2022-10-1 | 835MHz | 6.34 | 9.73 | 6.16 | 9.52 | -2.84% | -2.16% |
| 2022-10-1 | 1900MHz | 20.7 | 39.7 | 20.0 | 39.3 | -3.19% | -0.96% |
| 2022-10-3 | 2450MHz | 24.9 | 52.7 | 24.0 | 51.6 | -3.78% | -2.09% |
| 2022-10-3 | 5750MHz | 22.8 | 80.4 | 22.3 | 78.8 | -2.19% | -1.99% |

I.2 New frequency band

I.2.1 Conducted power of selected case

Table I.2.1-1: Maximum Power Reduction (MPR) for LTE- Normal Power

| Modulation | Channel bandwidth / Transmission bandwidth configuration [RB] | | | | | | MPR (dB) |
|------------|---|-------|-------|--------|--------|--------|----------|
| | 1.4 MHz | 3 MHz | 5 MHz | 10 MHz | 15 MHz | 20 MHz | |
| QPSK | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | 1 |
| 16 QAM | ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | 1 |
| 16 QAM | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | 2 |
| 64 QAM | ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | 2 |
| 64 QAM | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | 3 |

Table I.2.1-2: Maximum Power Reduction (MPR) for LTE -Low power

| Modulation | Channel bandwidth / Transmission bandwidth configuration [RB] | | | | | | MPR (dB) |
|------------|---|-----|-----|------|------|------|----------|
| | 1.4 | 3 | 5 | 10 | 15 | 20 | |
| | MHz | MHz | MHz | MHz | MHz | MHz | |
| QPSK | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | 0 |
| 16 QAM | ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | 0 |
| 16 QAM | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | 0 |
| 64 QAM | ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | 0 |
| 64 QAM | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | 0 |

Table I.2.1-3: The maximum output power(Tune-up Limit)

| Band | Tune up | | |
|-------------|----------------|----------------|----------------|
| | Power Level A1 | Power Level B1 | Power Level C1 |
| LTE Band 13 | 23 | 25 | 25 |

LTE B13 Power Level A1

| Bandwidth (MHz) | RB allocation | Frequency (MHz) | Actual output power (dBm) | | | |
|-----------------|-----------------|-----------------|---------------------------|-------|-------|-------|
| | RB offset | | QPSK | 16QAM | 64QAM | |
| 5MHz | 1RB-High (24) | 784.5 (23255) | 21.91 | 22.28 | 22.12 | |
| | | 782 (23230) | 21.86 | 22.21 | 22.08 | |
| | | 779.5 (23205) | 21.90 | 22.14 | 22.11 | |
| | 1RB-Middle (12) | 784.5 (23255) | 22.04 | 22.37 | 22.29 | |
| | | 782 (23230) | 22.13 | 22.52 | 22.37 | |
| | | 779.5 (23205) | 22.12 | 22.43 | 22.35 | |
| | 1RB-Low (0) | 784.5 (23255) | 21.89 | 22.24 | 22.06 | |
| | | 782 (23230) | 21.93 | 22.31 | 22.17 | |
| | | 779.5 (23205) | 21.86 | 22.12 | 21.97 | |
| | 12RB-High (13) | 784.5 (23255) | 21.93 | 21.97 | 21.00 | |
| | | 782 (23230) | 22.00 | 22.01 | 21.07 | |
| | | 779.5 (23205) | 22.06 | 22.11 | 21.15 | |
| | 12RB-Middle (6) | 784.5 (23255) | 22.02 | 22.08 | 21.07 | |
| | | 782 (23230) | 22.04 | 22.11 | 21.11 | |
| | | 779.5 (23205) | 22.04 | 22.09 | 21.12 | |
| | 12RB-Low (0) | 784.5 (23255) | 21.96 | 22.01 | 21.02 | |
| | | 782 (23230) | 21.93 | 21.99 | 21.00 | |
| | | 779.5 (23205) | 21.90 | 21.92 | 21.00 | |
| | 25RB (0) | 784.5 (23255) | 21.92 | 21.96 | 21.00 | |
| | | 782 (23230) | 21.96 | 21.98 | 21.03 | |
| | | 779.5 (23205) | 21.99 | 22.02 | 21.05 | |
| | 10MHz | 1RB-High (49) | 782 (23230) | 21.98 | 22.16 | 22.17 |

| | | | | | |
|--|------------------|-------------|-------|-------|-------|
| | 1RB-Middle (24) | 782 (23230) | 22.07 | 22.29 | 22.34 |
| | 1RB-Low (0) | 782 (23230) | 21.97 | 22.11 | 22.09 |
| | 25RB-High (25) | 782 (23230) | 21.96 | 21.97 | 21.00 |
| | 25RB-Middle (12) | 782 (23230) | 22.05 | 22.05 | 21.08 |
| | 25RB-Low (0) | 782 (23230) | 21.97 | 22.00 | 21.03 |
| | 50RB (0) | 782 (23230) | 22.01 | 21.98 | 21.06 |

LTE B13 Power Level B1/C1

| Bandwidth (MHz) | RB allocation | Frequency (MHz) | Actual output power (dBm) | | | |
|------------------|-----------------|-----------------|---------------------------|-------|-------|-------|
| | RB offset | | QPSK | 16QAM | 64QAM | |
| 5MHz | 1RB-High (24) | 784.5 (23255) | 23.88 | 23.21 | 22.14 | |
| | | 782 (23230) | 23.86 | 23.16 | 22.08 | |
| | | 779.5 (23205) | 23.90 | 23.25 | 22.12 | |
| | 1RB-Middle (12) | 784.5 (23255) | 24.10 | 23.49 | 22.26 | |
| | | 782 (23230) | 24.08 | 23.43 | 22.31 | |
| | | 779.5 (23205) | 24.08 | 23.44 | 22.36 | |
| | 1RB-Low (0) | 784.5 (23255) | 23.92 | 23.19 | 22.11 | |
| | | 782 (23230) | 23.93 | 23.24 | 22.17 | |
| | | 779.5 (23205) | 23.89 | 23.06 | 21.96 | |
| | 12RB-High (13) | 784.5 (23255) | 22.94 | 21.98 | 21.00 | |
| | | 782 (23230) | 23.02 | 22.05 | 21.05 | |
| | | 779.5 (23205) | 23.08 | 22.13 | 21.14 | |
| | 12RB-Middle (6) | 784.5 (23255) | 23.03 | 22.06 | 21.10 | |
| | | 782 (23230) | 23.05 | 22.07 | 21.10 | |
| | | 779.5 (23205) | 23.05 | 22.10 | 21.09 | |
| | 12RB-Low (0) | 784.5 (23255) | 22.98 | 22.01 | 21.02 | |
| | | 782 (23230) | 22.94 | 21.96 | 21.00 | |
| | | 779.5 (23205) | 22.88 | 21.90 | 20.93 | |
| | 25RB (0) | 784.5 (23255) | 22.94 | 21.95 | 20.99 | |
| | | 782 (23230) | 22.97 | 22.00 | 21.04 | |
| | | 779.5 (23205) | 22.99 | 22.00 | 21.04 | |
| | 10MHz | 1RB-High (49) | 782 (23230) | 23.97 | 23.11 | 22.20 |
| | | 1RB-Middle (24) | 782 (23230) | 24.11 | 23.27 | 22.33 |
| | | 1RB-Low (0) | 782 (23230) | 23.95 | 23.03 | 22.09 |
| 25RB-High (25) | | 782 (23230) | 22.97 | 21.98 | 21.02 | |
| 25RB-Middle (12) | | 782 (23230) | 23.05 | 22.06 | 21.11 | |
| 25RB-Low (0) | | 782 (23230) | 22.99 | 22.01 | 21.03 | |
| 50RB (0) | | 782 (23230) | 23.00 | 21.99 | 21.07 | |

I.2.2 SAR Test Result

B1: The battery of TLI028C7 by VEKEN

B2: The battery of TLI028D7 by VEKEN

Table I.2.2-1: SAR Values (LTE Band13 - Head)

| Ambient Temperature: 22.9°C | | | | | | Liquid Temperature: 22.5°C | | | | | | |
|-----------------------------|-----|-------------|-------|---------------|------------|----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|------------------|
| Frequency | | Mode | Side | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg) | Reported SAR(10) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| Ch. | MHz | | | | | | | | | | | |
| 23230 | 782 | 1RB-Middle | Left | Touch | / | 22.07 | 23.00 | 0.212 | 0.26 | 0.343 | 0.42 | 0.00 |
| 23230 | 782 | 1RB-Middle | Left | Tilt | / | 22.07 | 23.00 | 0.232 | 0.29 | 0.365 | 0.45 | -0.06 |
| 23230 | 782 | 1RB-Middle | Right | Touch | / | 22.07 | 23.00 | 0.220 | 0.27 | 0.332 | 0.41 | 0.01 |
| 23230 | 782 | 1RB-Middle | Right | Tilt | / | 22.07 | 23.00 | 0.202 | 0.25 | 0.309 | 0.38 | -0.15 |
| 23230 | 782 | 25RB-Middle | Left | Touch | Fig.1 | 22.05 | 23.00 | 0.231 | 0.29 | 0.410 | 0.51 | -0.20 |
| 23230 | 782 | 25RB-Middle | Left | Tilt | / | 22.05 | 23.00 | 0.228 | 0.28 | 0.358 | 0.45 | 0.15 |
| 23230 | 782 | 25RB-Middle | Right | Touch | / | 22.05 | 23.00 | 0.221 | 0.28 | 0.335 | 0.42 | 0.04 |
| 23230 | 782 | 25RB-Middle | Right | Tilt | / | 22.05 | 23.00 | 0.119 | 0.15 | 0.306 | 0.38 | -0.01 |
| 23230 | 782 | 25RB-Middle | Left | Touch | B2 | 22.05 | 23.00 | 0.186 | 0.23 | 0.328 | 0.41 | -0.01 |

Note1: The LTE mode is QPSK_10MHz.

Table 1 I.2.2-2: SAR Values (LTE Band13 - Body)

| Ambient Temperature: 22.9°C | | | | | | Liquid Temperature: 22.5°C | | | | | | |
|-----------------------------|-----|-------------|---------------|------------|-----------------------|----------------------------|--------------------------|-------------------------|-------------------------|-------------------------|------------------|--|
| Frequency | | Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg) | Reported SAR(10) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) | |
| Ch. | MHz | | | | | | | | | | | |
| 23230 | 782 | 1RB-Middle | Front | / | 24.11 | 25.00 | 0.165 | 0.20 | 0.234 | 0.29 | 0.09 | |
| 23230 | 782 | 1RB-Middle | Rear | Fig.2 | 24.11 | 25.00 | 0.283 | 0.35 | 0.498 | 0.61 | -0.18 | |
| 23230 | 782 | 1RB-Middle | Left | / | 24.11 | 25.00 | 0.143 | 0.18 | 0.212 | 0.26 | 0.06 | |
| 23230 | 782 | 1RB-Middle | Right | / | 24.11 | 25.00 | 0.320 | 0.39 | 0.476 | 0.58 | 0.02 | |
| 23230 | 782 | 1RB-Middle | Top | / | 24.11 | 25.00 | 0.197 | 0.24 | 0.340 | 0.42 | 0.19 | |
| 23230 | 782 | 25RB-Middle | Front | / | 23.05 | 24.00 | 0.134 | 0.17 | 0.190 | 0.24 | -0.14 | |
| 23230 | 782 | 25RB-Middle | Rear | / | 23.05 | 24.00 | 0.249 | 0.31 | 0.410 | 0.51 | 0.03 | |
| 23230 | 782 | 25RB-Middle | Left | / | 23.05 | 24.00 | 0.112 | 0.14 | 0.164 | 0.20 | 0.04 | |

| | | | | | | | | | | | |
|-------|-----|-------------|-------|----|-------|-------|-------|-------------|-------|-------------|-------|
| 23230 | 782 | 25RB-Middle | Right | / | 23.05 | 24.00 | 0.253 | 0.31 | 0.376 | 0.47 | 0.03 |
| 23230 | 782 | 25RB-Middle | Top | / | 23.05 | 24.00 | 0.154 | 0.19 | 0.265 | 0.33 | 0.16 |
| 23230 | 782 | 1RB-Middle | Rear | B2 | 24.11 | 25.00 | 0.207 | 0.25 | 0.353 | 0.43 | -0.20 |

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_10MHz.

I.3 Spot Check

I.3.1 Conducted power of selected case

Table I.3.1-1: The conducted Power for GSM

| GSM 850 Speech(GMSK) | Measured Power (dBm) | | | Tune up | calculation | Averaged Power (dBm) | | |
|-------------------------|----------------------|-----|-----|------------|-------------|----------------------|-----|-----|
| | 251 | 190 | 128 | | | 251 | 190 | 128 |
| 1 Txslot | 32.55 | / | / | 33.30 | / | / | / | / |
| GSM 850 GPRS(GMSK) | Measured Power (dBm) | | | | calculation | Averaged Power (dBm) | | |
| | 251 | 190 | 128 | | | 251 | 190 | 128 |
| 4 Txslots | 27.33 | / | / | 27.50 | -3.01 | 24.32 | / | / |

Table I.3.1-2: The conducted Power for WCDMA

| Item | band | FDDII result | | | |
|-------|-------|------------------|----------------|------------------|---------|
| | ARFCN | 9538 (1907.6MHz) | 9400 (1880MHz) | 9262 (1852.4MHz) | Tune up |
| WCDMA | / | 20.08 | 20.06 | 20.07 | 21.00 |
| Item | band | FDDV result | | | |
| | ARFCN | 4233 (846.6MHz) | 4183(836.6MHz) | 14132(826.4MHz) | Tune up |
| WCDMA | / | / | 21.83 | / | 22.50 |

Table I.3.1-3: The conducted Power for LTE

| Band 12-Power level C1 | | | | | | |
|------------------------|-----------------|--------------------|---------------------------|-------|-------|---------|
| Bandwidth (MHz) | RB allocation | Frequency (MHz) | Actual output power (dBm) | | | |
| | RB offset | | QPSK | 16QAM | 64QAM | Tune up |
| 10MHz | 1RB-Middle (24) | 711 (5130) | / | / | / | / |
| | | 707.5 (5095) | 22.18 | / | / | 23.00 |
| | | 704 (5060) | / | / | / | / |
| Band 66-Power level C1 | | | | | | |
| Bandwidth (MHz) | RB allocation | Frequency (MHz) | Actual output power (dBm) | | | |
| | RB offset | | QPSK | 16QAM | 64QAM | Tune up |
| 20MHz | 1RB-Middle (50) | 1770 (132572) | / | / | / | / |
| | | 1745 (132322) | 19.84 | / | / | 21.00 |

| | | | | | | |
|--|--|---------------|---|---|---|---|
| | | 1720 (132072) | / | / | / | / |
|--|--|---------------|---|---|---|---|

Table I.3.1-4: The conducted Power for WIFI 2.4G

| 802.11b(dBm) | | |
|-------------------|-------|---------|
| Channel\data rate | 1Mbps | Tune up |
| 11(2462MHz) | / | / |
| 6(2437MHz) | 18.20 | 20.00 |
| 1(2412MHz) | / | / |

Table I.3.1-5: The conducted Power for WIFI 5G

| 802.11a(dBm) | | |
|-------------------|-------|---------|
| Channel\data rate | 6Mbps | Tune up |
| 165(5825 MHz) | 18.50 | 18.80 |

I.3.2 Measurement results

Table I.3.2-1: SAR Values (GSM 850 MHz Band - Head)

| Ambient Temperature: 22.9°C | | | | | Liquid Temperature: 22.5°C | | | | | | |
|-----------------------------|-------|------|---------------|------------|----------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|------------------|
| Frequency | | Side | Test Position | Figure No. | Conducted Power (dBm) | Max.tune-up Power (dBm) | Measured SAR(10g) (W/kg) | Reported SAR(10) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| Ch. | MHz | | | | | | | | | | |
| 251 | 848.8 | Left | Touch | Fig.3 | 32.55 | 33.30 | 0.282 | 0.34 | 0.366 | 0.43 | 0.11 |
| 251 | 848.8 | Left | Touch | B2 | 32.55 | 33.30 | 0.281 | 0.33 | 0.363 | 0.43 | 0.18 |

Table I.3.2-2: SAR Values (GSM 850 MHz Band - Body)(Hotspot on,receiver off)

| Ambient Temperature: 22.9°C | | | | | Liquid Temperature: 22.5°C | | | | | | |
|-----------------------------|-------|----------------------------|---------------|------------|----------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|------------------|
| Frequency | | Mode (number of timeslots) | Test Position | Figure No. | Conducted Power (dBm) | Max.tune-up Power (dBm) | Measured SAR(10g) (W/kg) | Reported SAR(10) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| Ch. | MHz | | | | | | | | | | |
| 251 | 848.8 | GPRS(4) | Rear | Fig.4 | 27.33 | 27.50 | 0.343 | 0.36 | 0.471 | 0.49 | -0.03 |
| 251 | 848.8 | GPRS(4) | Rear | B2 | 27.33 | 27.50 | 0.321 | 0.33 | 0.432 | 0.45 | 0.12 |

Note: The distance between the EUT and the phantom bottom is 10mm.

Table I.3.2-3: SAR Values (WCDMA 850 MHz Band - Head)

| Ambient Temperature: 22.9°C | | | | | Liquid Temperature: 22.5°C | | | | | |
|-----------------------------|------|------|--------|-----------|----------------------------|----------|----------|----------|----------|-------|
| Frequency | Side | Test | Figure | Conducted | Max.tune-up | Measured | Reported | Measured | Reported | Power |

| Ch. | MHz | | Position | No. | Power (dBm) | Power (dBm) | SAR(10g) (W/kg) | SAR(10) (W/kg) | SAR(1g) (W/kg) | SAR(1g) (W/kg) | Drift (dB) |
|------|-------|-------|----------|-------|-------------|-------------|-----------------|----------------|----------------|----------------|------------|
| 4183 | 836.6 | Right | Touch | Fig.5 | 21.83 | 22.50 | 0.308 | 0.36 | 0.491 | 0.57 | 0.01 |
| 4183 | 836.6 | Right | Touch | B2 | 21.83 | 22.50 | 0.280 | 0.33 | 0.423 | 0.49 | -0.01 |

Table I.3.2-4: SAR Values (WCDMA 1900 MHz Band - Body)(Hotspot on,receiver off)

| Ambient Temperature: 22.9°C | | | | | | Liquid Temperature: 22.5°C | | | | | |
|-----------------------------|--------|------|---------------|------------|-----------------------|----------------------------|--------------------------|-------------------------|-------------------------|-------------------------|------------------|
| Frequency | | Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg) | Reported SAR(10) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| Ch. | MHz | | | | | | | | | | |
| 9538 | 1907.6 | RMC | Bottom | / | 20.08 | 21.00 | 0.268 | 0.33 | 0.520 | 0.64 | 0.03 |
| 9400 | 1880 | RMC | Bottom | Fig.6 | 20.06 | 21.00 | 0.361 | 0.45 | 0.679 | 0.84 | -0.14 |
| 9262 | 1852.4 | RMC | Bottom | / | 20.07 | 21.00 | 0.307 | 0.38 | 0.604 | 0.75 | 0.18 |
| 9400 | 1880 | RMC | Bottom | B2 | 20.06 | 21.00 | 0.327 | 0.41 | 0.604 | 0.75 | -0.04 |

Note: The distance between the EUT and the phantom bottom is 10mm.

Table I.3.2-5: SAR Values (LTE Band12 - Head)

| Ambient Temperature: 22.9°C | | | | | | Liquid Temperature: 22.5°C | | | | | | |
|-----------------------------|-------|------------|-------|---------------|------------|----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|------------------|
| Frequency | | Mode | Side | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg) | Reported SAR(10) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| Ch. | MHz | | | | | | | | | | | |
| 23095 | 707.5 | 1RB-Middle | Right | Touch | Fig.7 | 22.18 | 23.00 | 0.348 | 0.42 | 0.554 | 0.67 | -0.05 |
| 23095 | 707.5 | 1RB-Middle | Right | Touch | B2 | 22.18 | 23.00 | 0.344 | 0.42 | 0.550 | 0.66 | 0.16 |

Table I.3.2-6: SAR Values (LTE Band66 - Body)(Hotspot on,receiver off)

| Ambient Temperature: 22.9°C | | | | | | Liquid Temperature: 22.5°C | | | | | |
|-----------------------------|------|------------|---------------|------------|-----------------------|----------------------------|--------------------------|-------------------------|-------------------------|-------------------------|------------------|
| Frequency | | Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg) | Reported SAR(10) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| Ch. | MHz | | | | | | | | | | |
| 132322 | 1745 | 1RB-Middle | Bottom | Fig.8 | 19.84 | 21.00 | 0.320 | 0.42 | 0.593 | 0.77 | -0.03 |
| 132322 | 1745 | 1RB-Middle | Bottom | B2 | 19.84 | 21.00 | 0.295 | 0.39 | 0.542 | 0.71 | -0.08 |

Table I.3.2-7: SAR Values (WLAN - Head)– 802.11b (Full SAR)

| Ambient Temperature: 22.9°C | | | | | | Liquid Temperature: 22.5°C | | | | | |
|-----------------------------|-----|------|---------------|-----------------|-----------------|----------------------------|-------------------|--------------------|------------------|-------------------|-------------|
| Frequency | | Side | Test Position | Figure No./Note | Conducted Power | Max. tune | Measured SAR(10g) | Reported SAR(10g)(| Measured SAR(1g) | Reported SAR(1g)(| Power Drift |
| Ch. | MHz | | | | | | | | | | |

| | | | | | (dBm) | up Power (dBm) | (W/kg) | W/kg) | (W/kg) | W/kg) | (dB) |
|---|------|-------|-------|-------|-------|----------------------|--------|-------------|--------|-------------|-------|
| 6 | 2437 | Right | Touch | Fig.9 | 18.20 | 20.00 | 0.395 | 0.60 | 0.823 | 1.25 | -0.17 |
| 6 | 2437 | Right | Touch | B2 | 18.20 | 20.00 | 0.359 | 0.54 | 0.743 | 1.12 | -0.12 |

Table I.3.2-8: SAR Values (WLAN 5G – Body worn)

| Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C | | | | | | | | | | | |
|--|------|------------------|--------------------|-----------------------------|--------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|------------------------|--|
| Frequency | | Test Position | Figure No./Note | Conducted Power (dBm) | Max. tune up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g)(W/kg) | Measured SAR(10g) (W/kg) | Reported SAR(10g)(W/kg) | Power Drift (dB) | |
| Ch. | MHz | | | | | | | | | | |
| 165 | 5825 | Rear | Fig.10 | 18.50 | 18.80 | 0.244 | 0.26 | 0.703 | 0.75 | 0.13 | |
| 165 | 5825 | Rear | B2 | 18.50 | 18.80 | 0.250 | 0.27 | 0.685 | 0.73 | 0.17 | |

I.3.3 Reported SAR Comparison

Table I.3.3-1: Highest Reported SAR (1g)

| Exposure Configuration | Technology Band | Reported SAR 10g(W/kg) Original | Reported SAR 10g(W/kg) Spot check |
|--------------------------------------|-----------------|---------------------------------------|---|
| Head (Separation Distance 0mm) | GSM 850 | 0.47 | 0.43 |
| | PCS 1900 | 0.22 | / |
| | UMTS FDD 2 | 0.45 | / |
| | UMTS FDD 4 | 0.25 | / |
| | UMTS FDD 5 | 0.48 | 0.57 |
| | LTE Band 12 | 0.79 | 0.67 |
| | LTE Band 25 | 0.61 | / |
| | LTE Band 26 | 0.71 | / |
| | LTE Band 41 PC2 | 0.23 | / |
| | LTE Band 41 PC3 | 0.30 | / |
| | LTE Band 66 | 0.41 | / |
| | LTE Band 71 | 0.57 | / |
| | WLAN 2.4 GHz | 1.38 | 1.25 |
| | WLAN 5 GHz | 0.85 | / |

| | | | |
|--|------------------|------|------|
| Hotspot (Separation Distance 10mm) | GSM 850 | 0.71 | 0.49 |
| | PCS 1900 | 0.60 | / |
| | UMTS FDD 2 | 0.70 | 0.84 |
| | UMTS FDD 4 | 0.66 | / |
| | UMTS FDD 5 | 0.50 | / |
| | LTE Band 12 | 0.60 | / |
| | LTE Band 25 | 0.76 | / |
| | LTE Band 26 | 0.33 | / |
| | LTE Band 41 PC2 | 0.53 | / |
| | LTE Band 41 PC3 | 0.71 | / |
| | LTE Band 66 | 0.85 | 0.77 |
| | LTE Band 71 | 0.31 | / |
| | WLAN 2.4 GHz | 0.44 | / |
| | WLAN 5 GHz | 0.96 | 0.75 |
| Body-worn (Separation Distance 15mm) | PCS 1900 | 0.35 | / |
| | UMTS FDD 2 | 0.61 | / |
| | UMTS FDD 4 | 0.46 | / |
| | LTE Band 25 | 0.46 | / |
| | LTE Band 41 | 0.29 | / |
| | LTE Band 41 HPUE | 0.38 | / |
| | LTE Band 66 | 0.42 | / |

Note: The spot check results marked by blue are larger than the original result. So they replace the original result and others are shared.

I.4 List of Main Instruments

Table I.4-1: List of Main Instruments

| No. | Name | Type | Serial Number | Calibration Date | Valid Period |
|-----|-----------------------|---------------|---------------|--------------------------|--------------|
| 01 | Network analyzer | E5071C | MY46418996 | May 11, 2022 | One year |
| 02 | Power sensor | NRP110T | 101139 | January 13, 2022 | One year |
| 03 | Power sensor | NRP110T | 101159 | January 13, 2022 | One year |
| 04 | Signal Generator | E4438C | MY49071430 | January 13, 2022 | One year |
| 05 | Amplifier | 60S1G4 | 0331848 | No Calibration Requested | |
| 06 | BTS | CMW500 | 155735 | November 3, 2021 | One year |
| 07 | BTS | MT8821C | 6262314712 | July 15, 2022 | One year |
| 08 | E-field Probe | SPEAG EX3DV4 | 7609 | March 24,2022 | One year |
| 09 | DAE | SPEAG DAE4 | 1250 | August 3, 2022 | One year |
| 10 | Dipole Validation Kit | SPEAG D750V3 | 1017 | July 20,,2022 | One year |
| 11 | Dipole Validation Kit | SPEAG D835V2 | 4d069 | July 20,,2022 | One year |
| 12 | Dipole Validation Kit | SPEAG D1900V2 | 5d101 | July 26,2022 | One year |
| 13 | Dipole Validation Kit | SPEAG D2450V2 | 853 | July 20,2022 | One year |
| 14 | Dipole Validation Kit | SPEAG D5GHzV2 | 1060 | July 5,2022 | One year |

I.5 GRAPH RESULTS

LTE B13_CH 23230 25RB- Middle Left Touch

Date: 2022/10/2

Electronics: DAE4 Sn1250;

Medium: HBBL-600-10000

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.863$ S/m; $\epsilon_r = 42.01$; $\rho = 1000$ kg/m³

Ambient Temperature :22.9°C ,Liquid Temperature: 22.5°C

Communication System Band: Band 13; Frequency: 782 MHz;Duty Cycle: 1:1

Probe: EX3DV4 - SN7609; ConvF(10.87, 10.87, 10.87) @ 782 MHz;

Area Scan (81x91x1):Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.530 W/kg

Zoom Scan (8x7x7)/Cube 0:Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.01 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.840 W/kg

SAR(1 g) = 0.410 W/kg; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 0.636 W/kg

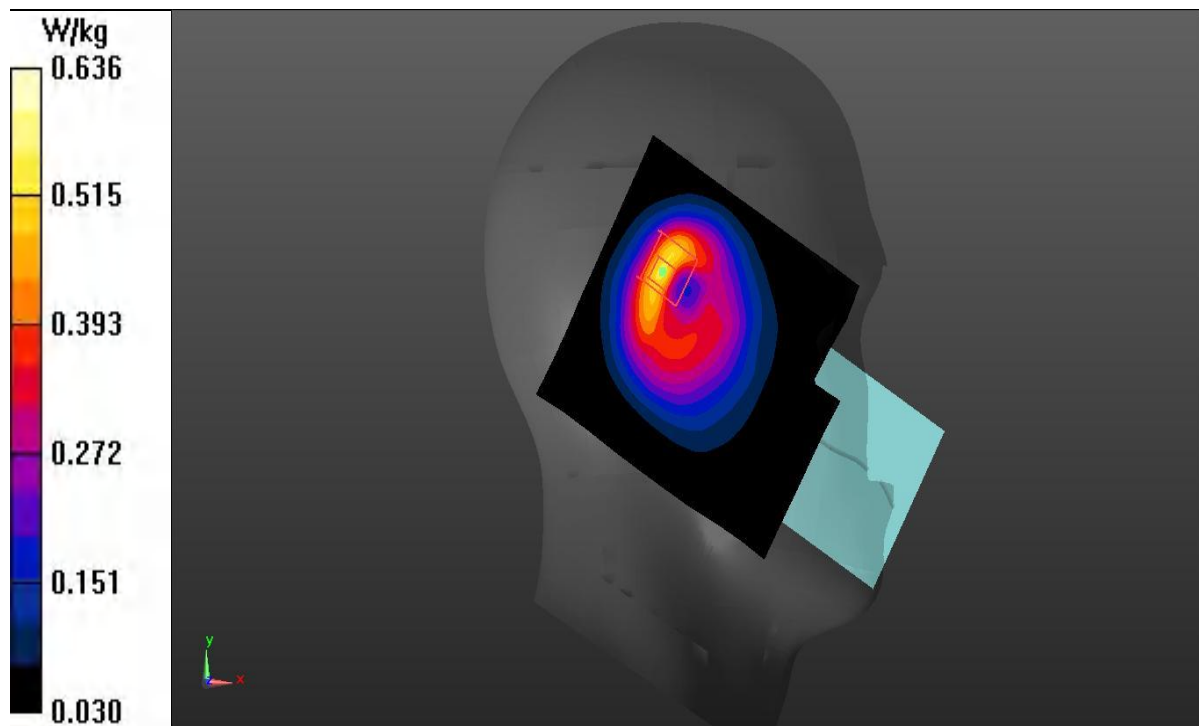


Fig I.5.1

LTE B13_CH 23230 1RB- Middle Rear

Date: 2022/10/2

Electronics: DAE4 Sn1250;

Medium: HBBL-600-10000

 Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.863$ S/m; $\epsilon_r = 42.01$; $\rho = 1000$ kg/m³

Ambient Temperature :22.9°C ,Liquid Temperature: 22.5°C

Communication System Band: Band 13; Frequency: 782 MHz;Duty Cycle: 1:1

Probe: EX3DV4 - SN7609; ConvF(10.87, 10.87, 10.87) @ 782 MHz;

Area Scan (81x131x1):Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.581 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.10 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.907 W/kg

SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.283 W/kg

Maximum value of SAR (measured) = 0.726 W/kg

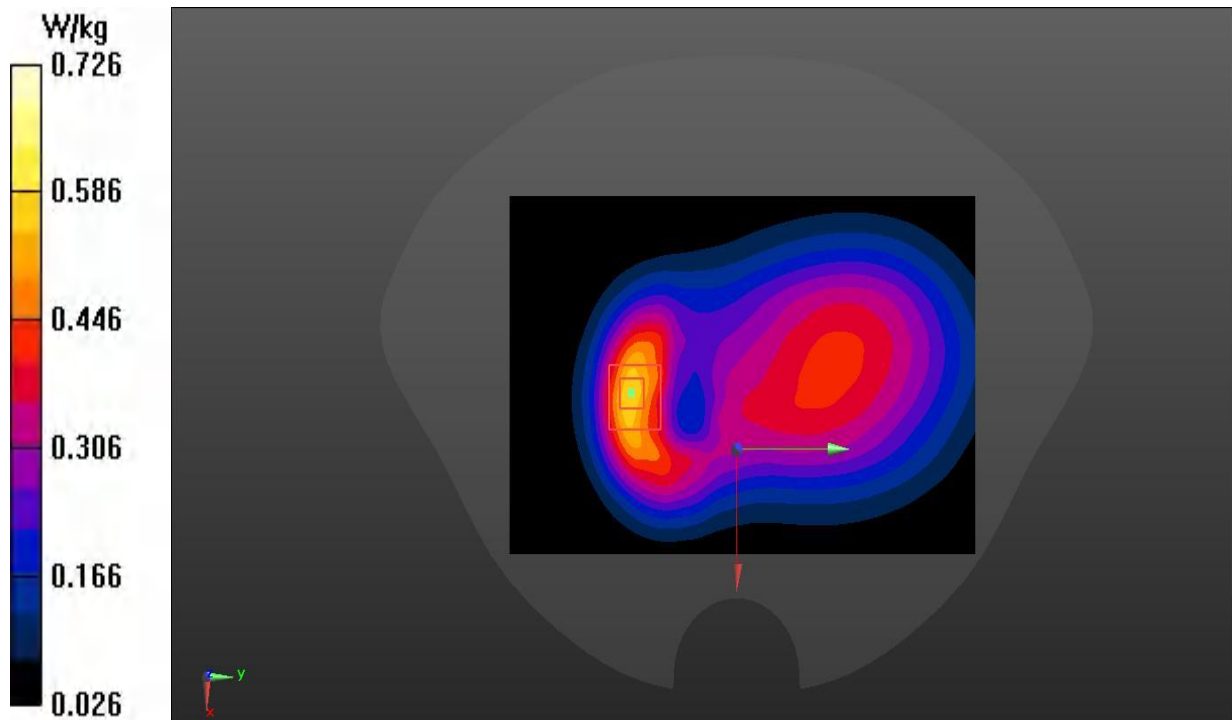


Fig I.5.2

GSM850_CH251 Left Touch

Date: 2022/10/1

Electronics: DAE4 Sn1250;

Medium: HBBL-600-10000

 Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.910$ S/m; $\epsilon_r = 41.862$; $\rho = 1000$ kg/m³

Ambient Temperature :22.9°C ,Liquid Temperature: 22.5°C

Communication System Band: GSM850 (824-849MHz); Frequency: 848.8 MHz;Duty

Cycle: 1:8.30042

Probe: EX3DV4 - SN7609; ConvF(10.53, 10.53, 10.53) @ 848.8 MHz;

Area Scan (71x101x1) :Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.437 W/kg

Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.103 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.472 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 0.434 W/kg

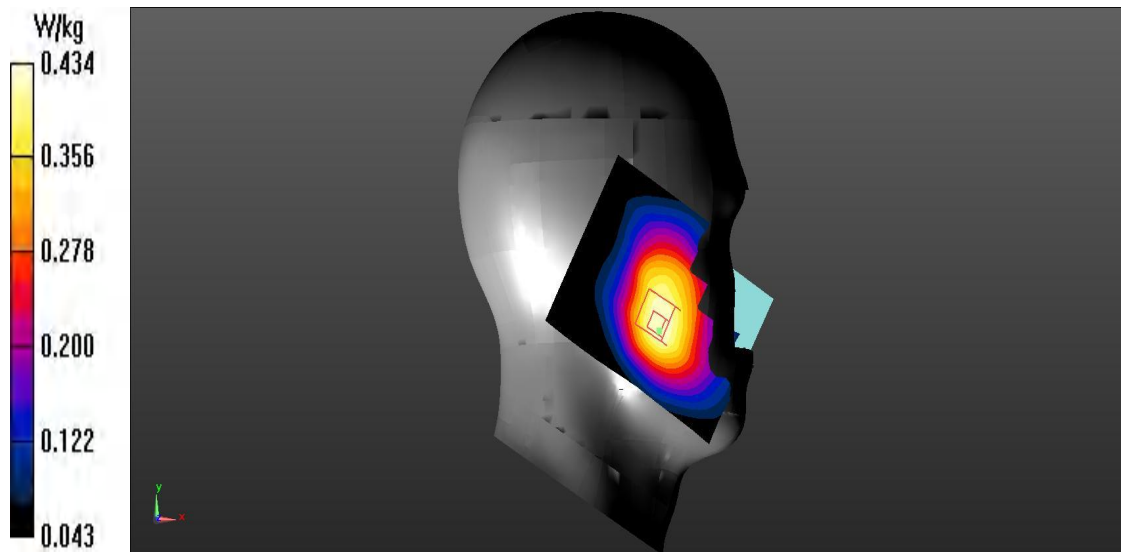


Fig I.5.3

GSM850_CH251 Rear 4TX 10mm

Date: 2022/10/1

Electronics: DAE4 Sn1250;

Medium: HBBL-600-10000

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.920$ S/m; $\epsilon_r = 41.836$; $\rho = 1000$ kg/m³

Ambient Temperature :22.9°C ,Liquid Temperature: 22.5°C

Communication System Band: GSM850 (824-849MHz); Frequency: 848.8 MHz;Duty Cycle: 1:2

Probe: EX3DV4 - SN7609; ConvF(10.53, 10.53, 10.53) @ 848.8 MHz;

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.699 W/kg

Zoom Scan (10x12x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.57 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.343 W/kg

Maximum value of SAR (measured) = 0.667 W/kg

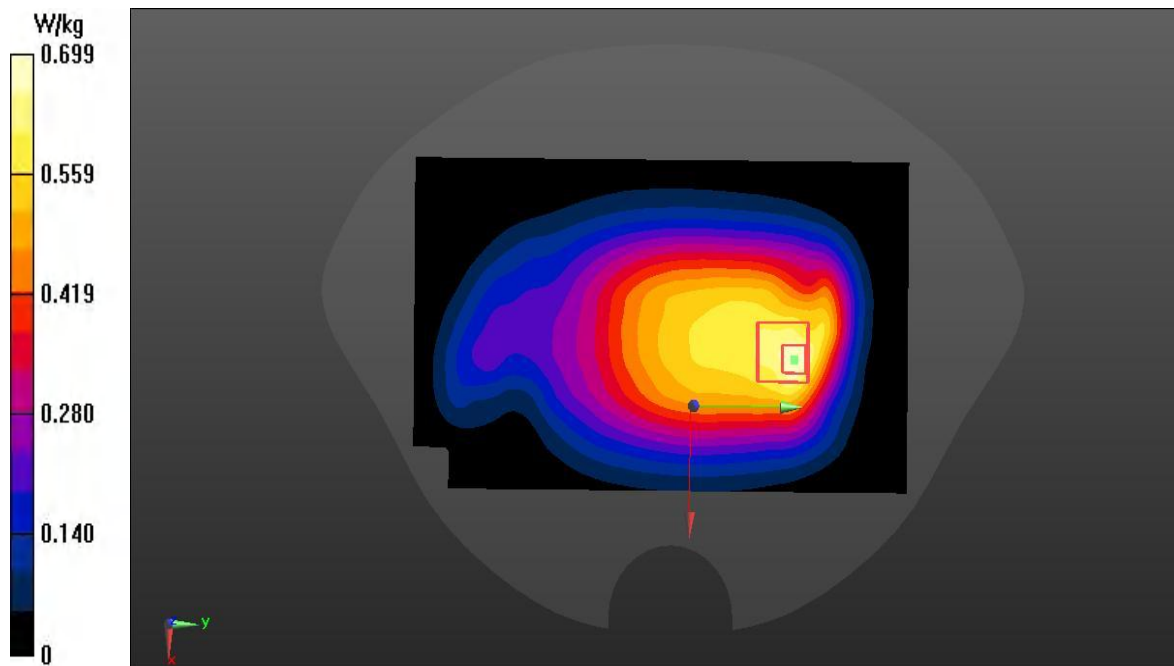


Fig I.5.4

WCDMA Band 5_CH4183 Right Touch

Date: 2022/10/1

Electronics: DAE4 Sn1250;

Medium: HBBL-600-10000

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.885$ S/m; $\epsilon_r = 41.87$; $\rho = 1000$ kg/m³

Ambient Temperature :22.9°C ,Liquid Temperature: 22.5°C

Communication System Band: WCDMA Band 5; Frequency: 836.6 MHz;Duty Cycle: 1:1

Probe: EX3DV4 - SN7609; ConvF(10.53, 10.53, 10.53) @ 836.6 MHz;

Area Scan (81x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.617 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.60 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.921 W/kg

SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 0.629 W/kg

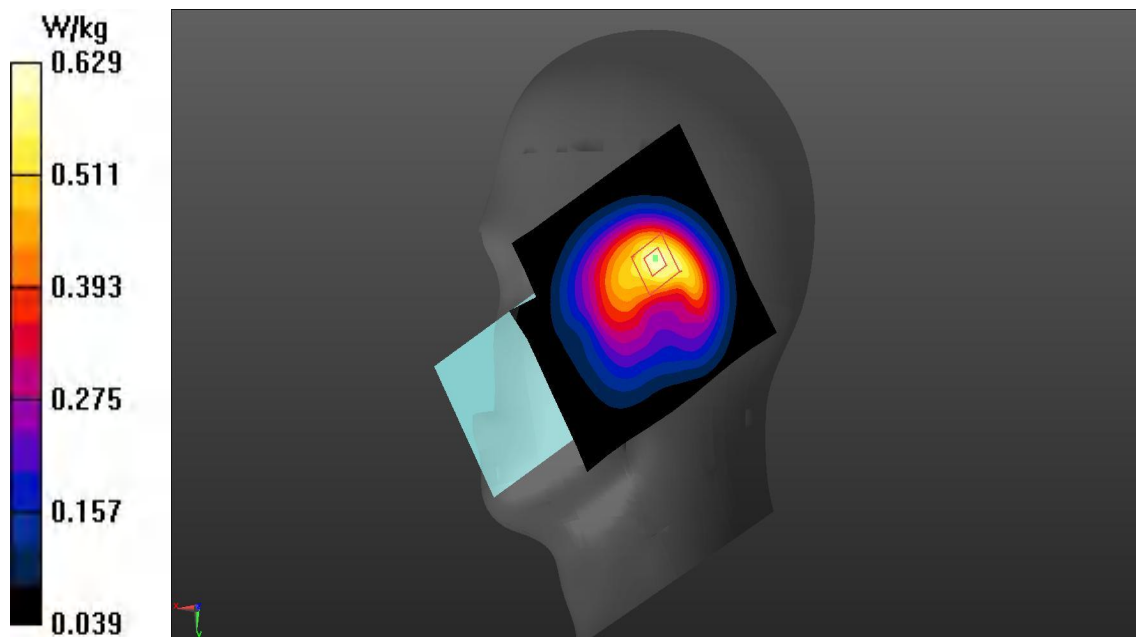


Fig I.5.5

WCDMA Band 2_CH9400 Bottom 10mm

Date: 2022/10/1

Electronics: DAE4 Sn1250;

Medium: HBBL-600-10000

 Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 41.743$; $\rho = 1000$ kg/m³

Ambient Temperature :22.9°C ,Liquid Temperature: 22.5°C

Communication System Band: WCDMA Band 2; Frequency: 1880 MHz;Duty Cycle: 1:1

Probe: EX3DV4 - SN7609; ConvF(8.62, 8.62, 8.62) @ 1880 MHz;

Area Scan 2 (41x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.87 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.361 W/kg

Maximum value of SAR (measured) = 0.771 W/kg

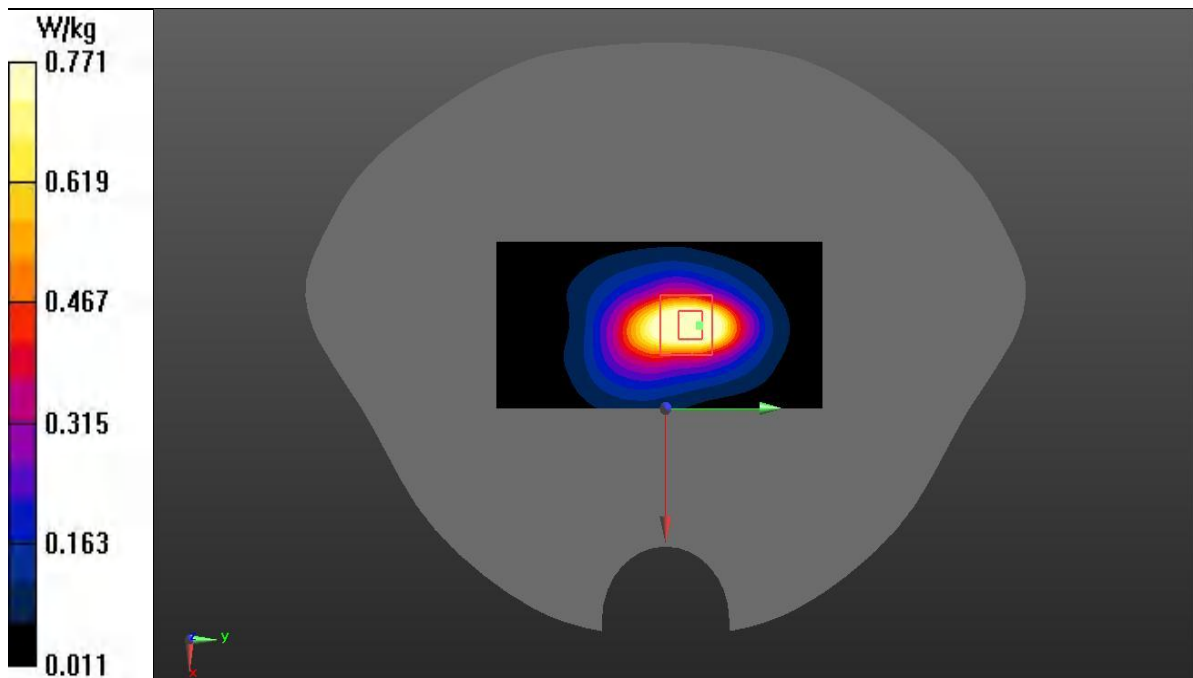


Fig I.5.6

LTE B12_CH 23095 1RB- Middle Right Touch

Date: 2022/10/2

Electronics: DAE4 Sn1250;

Medium: HBBL-600-10000

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.830$ S/m; $\epsilon_r = 44.013$; $\rho = 1000$ kg/m³

Ambient Temperature :22.9°C ,Liquid Temperature: 22.5°C

Communication System Band: LTE Band 12 10M; Frequency: 707.5 MHz;Duty Cycle: 1:1

Probe: EX3DV4 - SN7609; ConvF(10.87, 10.87, 10.87) @ 707.5 MHz

Area Scan (81x101x1):Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.659 W/kg

Zoom Scan (7x7x7)/Cube 0:Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.00 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.939 W/kg

SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.348 W/kg

Maximum value of SAR (measured) = 0.777 W/kg

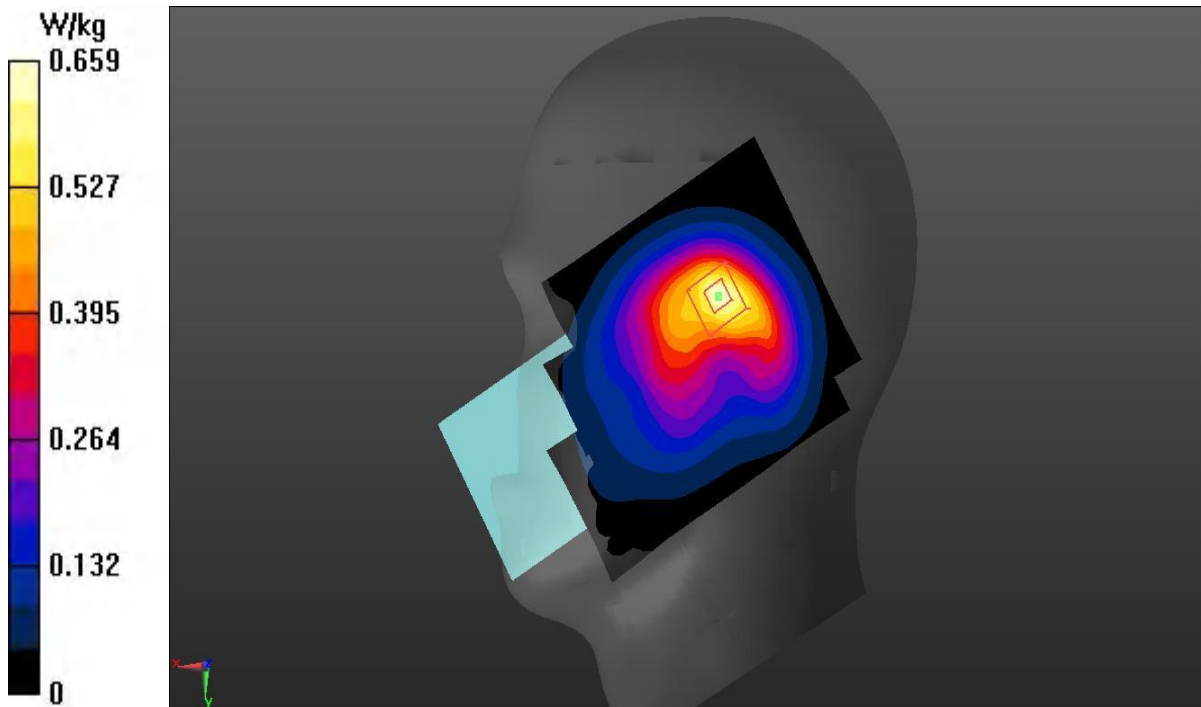


Fig I.5.7

LTE B66_CH 132322 1RB- Middle Bottom

Date: 2022/10/1

Electronics: DAE4 Sn1250;

Medium: HBBL-600-10000

 Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.342$ S/m; $\epsilon_r = 41.76$; $\rho = 1000$ kg/m³

Ambient Temperature :22.9°C ,Liquid Temperature: 22.5°C

Communication System Band: Band 66; Frequency: 1745 MHz;Duty Cycle: 1:1

Probe: EX3DV4 - SN7609; ConvF(8.85, 8.85, 8.85) @ 1745 MHz;

Area Scan (41x101x1):Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.878 W/kg

Zoom Scan (8x7x7)/Cube 0:Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.93 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.593 W/kg; SAR(10 g) = 0.320 W/kg

Maximum value of SAR (measured) = 0.856 W/kg

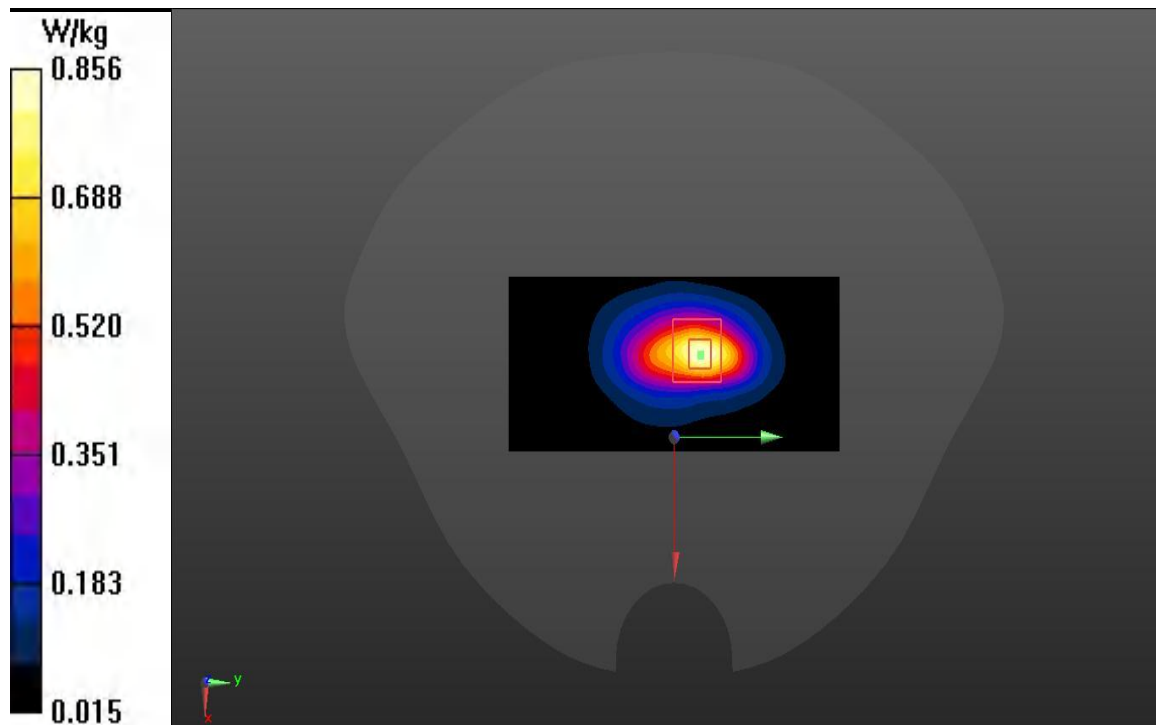


Fig I.5.8

WLAN2450_CH6 Right Touch

Date: 2022/10/3

Electronics: DAE4 Sn1250;

Medium: HBBL-600-10000

 Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.813$ S/m; $\epsilon_r = 40.989$; $\rho = 1000$ kg/m³

Ambient Temperature :22.9°C ,Liquid Temperature: 22.5°C

Communication System Band: WIFI 2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1

Probe: EX3DV4 - SN7609; ConvF(8.02, 8.02, 8.02) @ 2437 MHz;

Area Scan 2 (91x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.31 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.96 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 1.23 W/kg

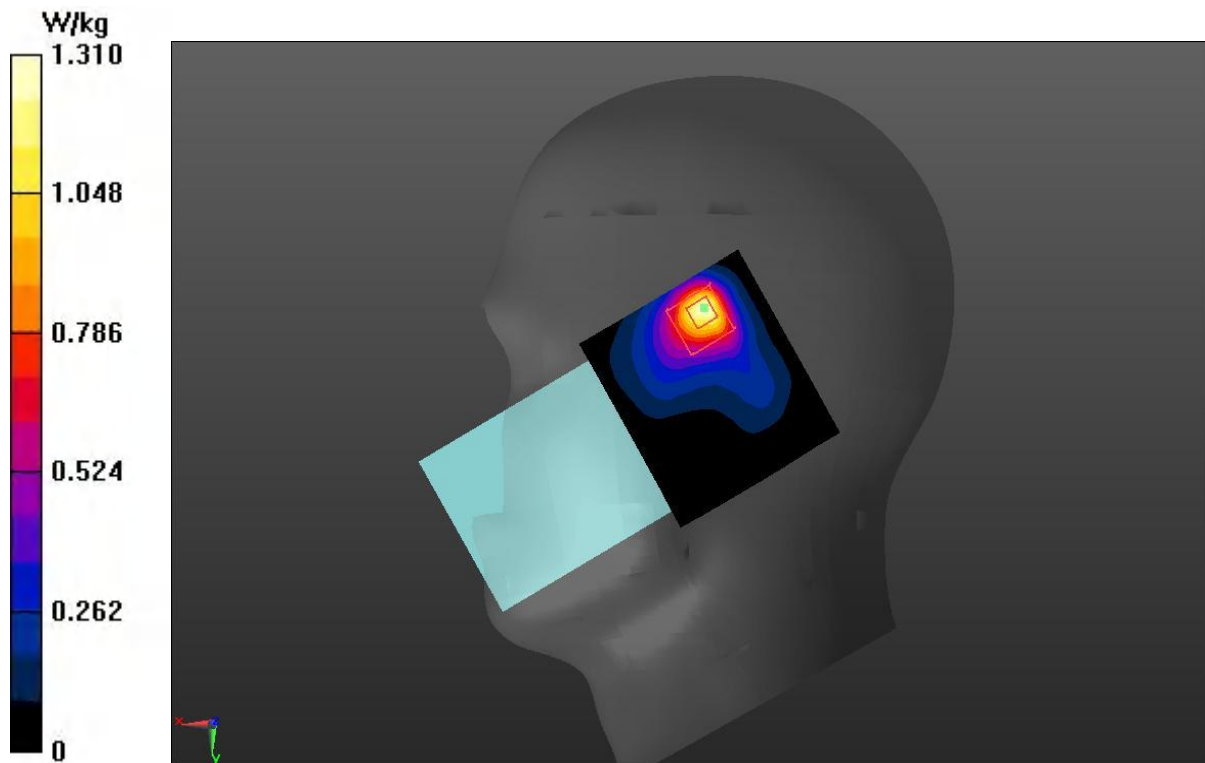


Fig 1.5.9

UNII-3_CHI165 Rear 10mm

Date: 2022/10/3

Electronics: DAE4 Sn1250;

Medium: HBBL-600-10000

 Medium parameters used (interpolated): $f = 5825$ MHz; $\sigma = 5.259$ S/m; $\epsilon_r = 34.54$; $\rho = 1000$ kg/m³

Ambient Temperature :22.9°C ,Liquid Temperature: 22.5°C

Communication System Band: WIFI 5G; Frequency: 5825 MHz;Duty Cycle: 1:1

Probe: EX3DV4 - SN7609; ConvF(5.1, 5.1, 5.1) @ 5825 MHz;

Area Scan 2 (111x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.67 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.778 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.67 W/kg

SAR(1 g) = 0.703 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 1.65 W/kg

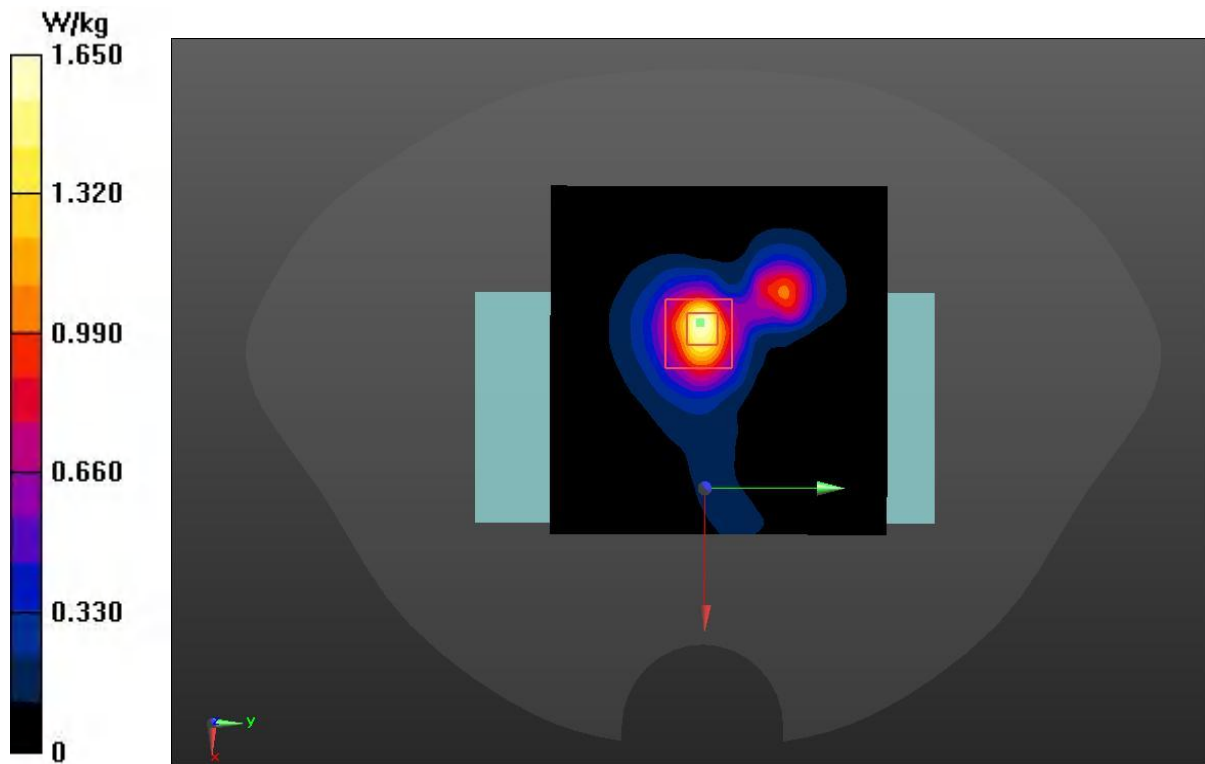


Fig I.5.10

I.6 System Verification Results

750MHz

Date: 10/2/2022

Electronics: DAE4 Sn1250

Medium: HBBL-600-10000

Medium parameters used: $f = 750\text{MHz}$; $\sigma = 0.857 \text{ mho/m}$; $\epsilon_r = 42.11$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 750MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7609 ConvF(10.87,10.87,10.87)

System Validation /Area Scan (81x191x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 56.06 V/m ; Power Drift = -0.03

Fast SAR: SAR(1 g) = 2.06 W/kg ; SAR(10 g) = 1.35 W/kg

Maximum value of SAR (interpolated) = 2.79 W/kg

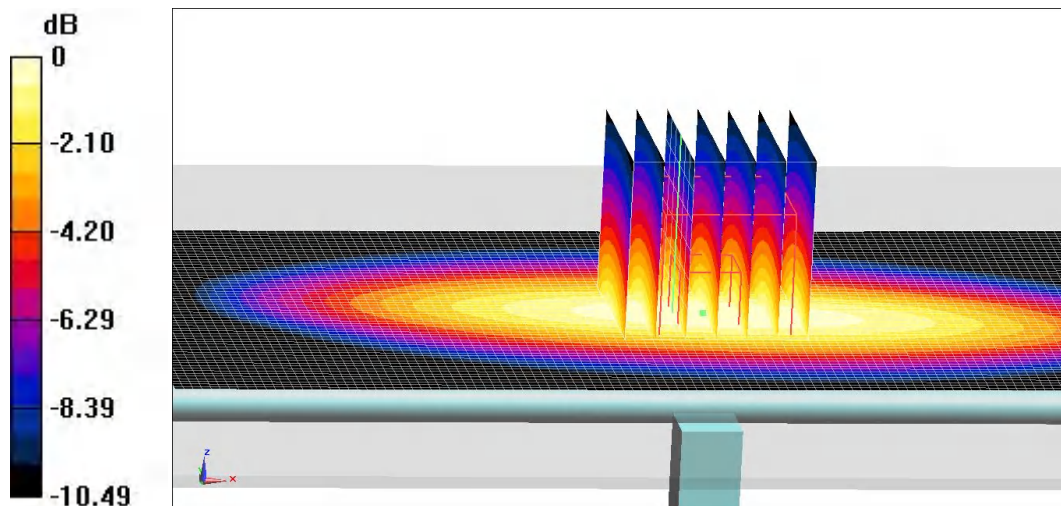
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 56.06 V/m ; Power Drift = -0.03

Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 2.09 W/kg ; SAR(10 g) = 1.37 W/kg

Maximum value of SAR (measured) = 2.80 W/kg



$0 \text{ dB} = 2.80 \text{ W/kg} = 4.47 \text{ dB W/kg}$

Fig.I.6.1 validation 750MHz 250mW

835MHz

Date: 10/1/2022

Electronics: DAE4 Sn1250

Medium: HBBL-600-10000

Medium parameters used: $f = 835\text{MHz}$; $\sigma = 0.874 \text{ mho/m}$; $\epsilon_r = 41.86$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 835MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7609 ConvF(10.53, 10.53, 10.53)

System Validation /Area Scan (81x191x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 58.31 V/m ; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 2.36 W/kg ; SAR(10 g) = 1.53 W/kg

Maximum value of SAR (interpolated) = 3.21 W/kg

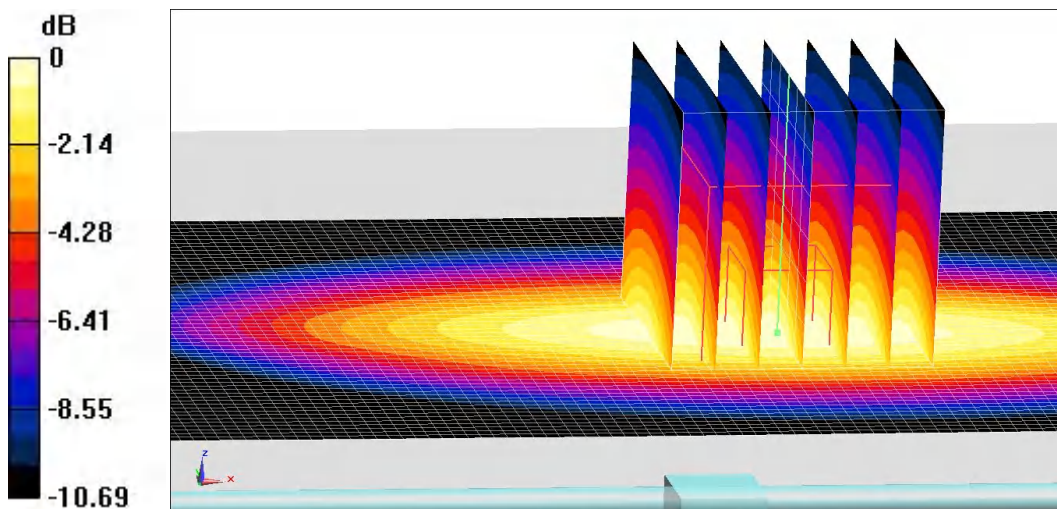
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.31 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 2.38 W/kg ; SAR(10 g) = 1.54 W/kg

Maximum value of SAR (measured) = 3.23 W/kg



$0 \text{ dB} = 3.23 \text{ W/kg} = 5.09 \text{ dB W/kg}$

Fig. I.6.2 validation 835MHz 250mW

1900MHz

Date: 10/1/2022

Electronics: DAE4 Sn1250

Medium: HBBL-600-10000

Medium parameters used: $f = 1900\text{MHz}$; $\sigma = 1.438 \text{ mho/m}$; $\epsilon_r = 41.61$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 1900MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7609 ConvF(8.62, 8.62, 8.62)

System Validation /Area Scan (81x191x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 102.2 V/m ; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 9.65 W/kg ; SAR(10 g) = 4.85 W/kg

Maximum value of SAR (interpolated) = 15.6 W/kg

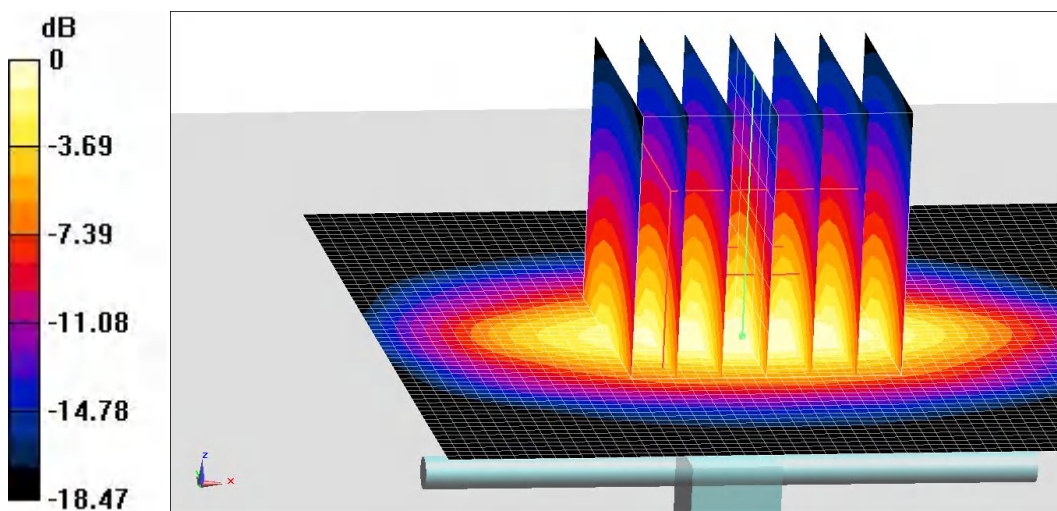
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 102.2 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 19.4 W/kg

SAR(1 g) = 9.83 W/kg ; SAR(10 g) = 5.01 W/kg

Maximum value of SAR (measured) = 15.8 W/kg



$0 \text{ dB} = 15.8 \text{ W/kg} = 11.99 \text{ dB W/kg}$

Fig. I.6.3 validation 1900MHz 250mW

2450MHz

Date: 10/3/2022

Electronics: DAE4 Sn1250

Medium: HBBL-600-10000

Medium parameters used: $f = 2450\text{MHz}$; $\sigma = 1.822 \text{ mho/m}$; $\epsilon_r = 39.99$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 2450MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7609 ConvF(8.02, 8.02, 8.02)

System Validation /Area Scan (81x191x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 105.6 V/m ; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 13 W/kg ; SAR(10 g) = 6.07 W/kg

Maximum value of SAR (interpolated) = 22.2 W/kg

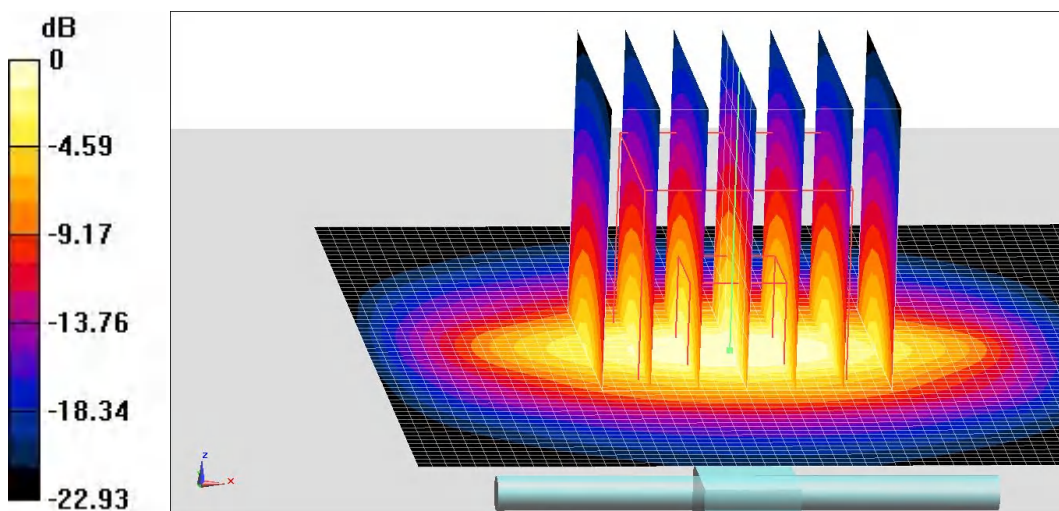
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 105.6 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 27.5 W/kg

SAR(1 g) = 12.9 W/kg ; SAR(10 g) = 5.99 W/kg

Maximum value of SAR (measured) = 22.1 W/kg



$0 \text{ dB} = 22.1 \text{ W/kg} = 13.44 \text{ dB W/kg}$

Fig. I.6.4 validation 2450MHz 250mW

5750MHz

Date: 10/3/2022

Electronics: DAE4 Sn1250

Medium: HBBL-600-10000

Medium parameters used: $f = 5750 \text{ MHz}$; $\sigma = 5.108 \text{ S/m}$; $\epsilon_r = 34.63$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: UID 0, CW (0) Frequency: 5750 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7609 ConvF(5.10, 5.10, 5.10)

System Validation /Area Scan (91x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
 Maximum value of SAR (interpolated) = 19.1 W/kg

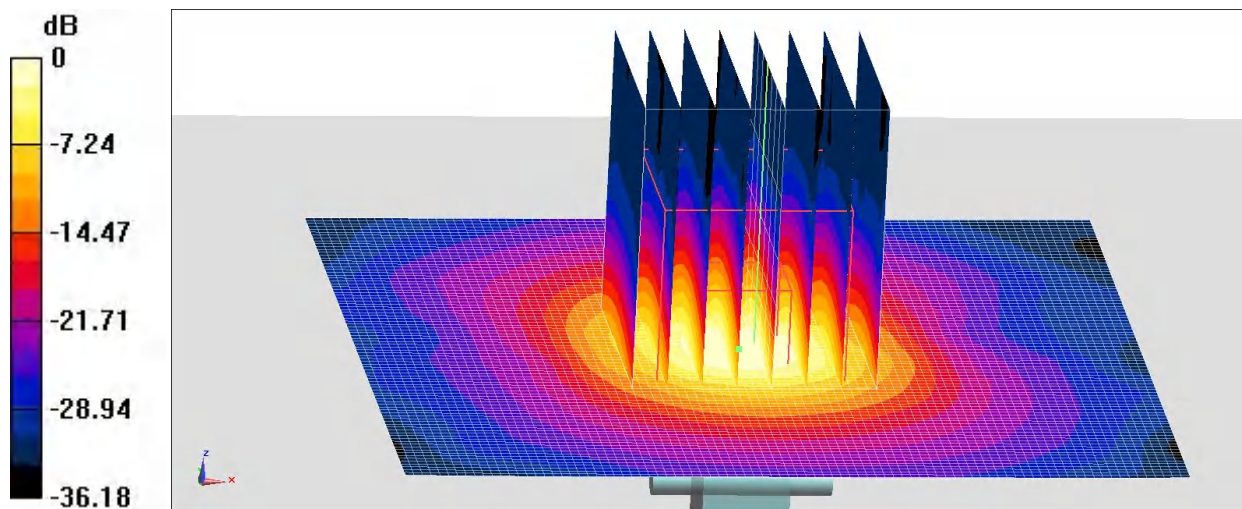
System Validation /Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$

Reference Value =70.08 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 34.2 W/kg

SAR(1 g) = 7.88 W/kg; SAR(10 g) = 2.23 W/kg

Maximum value of SAR (measured) = 19.2 W/kg



0 dB = 19.2 W/kg = 12.83 dBW/kg

Fig. I.6.5 validation 5750 MHz 100mW

ANNEX J Accreditation Certificate

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 600118-0

Telecommunication Technology Labs, CAICT
Beijing
China

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Electromagnetic Compatibility & Telecommunications

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2022-10-01 through 2023-09-30
Effective Dates




For the National Voluntary Laboratory Accreditation Program