

DASY5 Validation Report for Body TSL

Date: 25.07.2016

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:853

Communication System: UID 0 - CW; Frequency: 2450 MHz

Medium parameters used: f = 2450 MHz; $\sigma = 2.03$ S/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

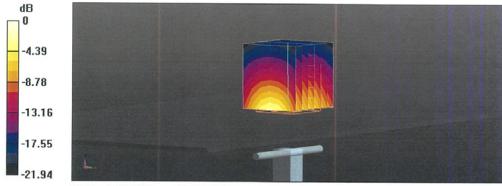
DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.79, 7.79, 7.79); Calibrated: 15.06.2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.12.2015
- Phantom: Flat Phantom 5.0 (back); Type: QD000P50AA; Serial: 1002
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7372)

Dipole Calibration for Body Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 107.4 V/m; Power Drift = -0.02 dB Peak SAR (extrapolated) = 26.3 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.1 W/kgMaximum value of SAR (measured) = 21.6 W/kg



0 dB = 21.6 W/kg = 13.34 dBW/kg

Certificate No: D2450V2-853_Jul16



ANNEX I SPOT CHECK TEST

As the test lab for 5046S from TCL Communication Ltd, we, CTTL (Shouxiang), declare on our sole responsibility that, according to "Declaration of changes" provided by applicant, only the Spot check test should be performed. The test results are as below.

I.1 Conducted power of selected case

Table I.1-1: The conducted Power for CDMA

| CDMA BC0 | | | | | | | |
|----------------------|---------|-------|-------|--------|--|--|--|
| Measured Power (dBm) | | | | | | | |
| | | CH777 | CH384 | CH1013 | | | |
| Config | Tune-up | 848.3 | 836.5 | 824.7 | | | |
| | | MHz | MHz | MHz | | | |
| SO55/RC3 | 24.50 | 23.96 | 24.21 | 24.12 | | | |
| SO32/RC3(FCH only) | 24.50 | 23.98 | 24.22 | 24.13 | | | |

| CDMA BC1 | | | | | | | | |
|----------------------|---------|--------|-------|--------|--|--|--|--|
| Measured Power (dBm) | | | | | | | | |
| | | CH1175 | CH600 | CH25 | | | | |
| Config | Tune-up | 1908.8 | 1880 | 1851.3 | | | | |
| | | MHz | MHz | MHz | | | | |
| SO55/RC3 | 24.50 | 23.44 | 23.47 | 23.58 | | | | |
| SO32/RC3(FCH only) | 23.42 | 23.45 | 23.59 | | | | | |

| CDMA BC1-Hotspot On | | | | | | | |
|----------------------|-------------------------|----------------------|-----------------------|--|--|--|--|
| Measured Power (dBm) | | | | | | | |
| Config | CH1175 1908.8 MHz | CH600 1880 MHz | CH25 1851.3 MHz | | | | |
| SO32/RC3(FCH only) | 21.86 | 21.87 | 21.96 | | | | |

Table I.1-2: The conducted Power for LTE

| LTE band 4 | | | | | | | |
|------------|-----------|----------------|---------|-------------------|--|--|--|
| BandWidth | RB Number | Channel | Tune-up | Measured Power | | | |
| | | 1745 (20300) | 24 | 1 | | | |
| 20 MHz | 1M | 1732.5 (20175) | 24 | 23.95 | | | |
| | | 1720 (20050) | 24 | 1 | | | |
| | | 1745 (20300) | 24 | 23.95 | | | |
| 20 MHz | 1L | 1732.5 (20175) | 24 | 1 | | | |
| | | 1720 (20050) | 24 | 23.71 | | | |

| LTE band 13 | | | | | | | |
|-------------|-----------|-------------|-------------------|-------|--|--|--|
| BandWidth | RB Number | Tune-up | Measured Power | | | | |
| | 1H | | 24.5 | 1 | | | |
| 10 MHz | 1M | 782 (23230) | 24.5 | 23.53 | | | |
| | 1L | | 24.5 | 1 | | | |



Table I.1-3: The conducted Power for WLAN

| 802.11b(dBm) | | | | | | | |
|-------------------|---------|-------|--|--|--|--|--|
| Channel\data rate | Tune up | 1Mbps | | | | | |
| 1(2412MHz) | 16.20 | 15.48 | | | | | |
| 6(2437MHz) | 16.20 | 15.82 | | | | | |
| 11(2462MHz) | 16.20 | 15.54 | | | | | |

| 802.11n(dBm)-40MHz | | | | | | | |
|--------------------|---------|-------|--|--|--|--|--|
| Channel\data rate | Tune up | MCS0 | | | | | |
| 3(2422MHz) | 17.00 | 15.93 | | | | | |
| 6(2437MHz) | 17.00 | 16.36 | | | | | |
| 9(2452MHz) | 17.00 | 16.50 | | | | | |

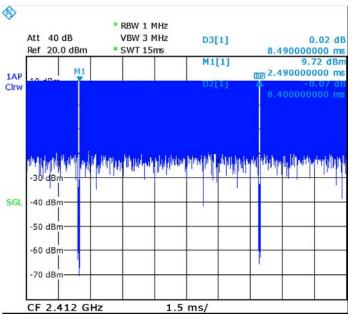
I.2 Measurement results

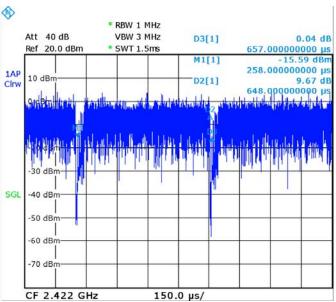
| Test Band | Channel | Frequency | Tune-Up | Measured Power | Test Poisition | Measured 10g SAR | Measured 1g SAR | Reported 10g SAR | Reported 1g SAR | Power Drift | Figure |
|-------------|---------|-----------|---------|-------------------|----------------|---------------------|--------------------|---------------------|--------------------|----------------|------------|
| CDMA BCO | 1013 | 824.7 | 24.5 | 24. 12 | Cheek Left | 0.144 | 0.189 | 0.16 | 0.21 | 0.01 | Fig. I. 1 |
| CDMA BCO | 1013 | 824.7 | 24.5 | 24. 13 | Rear | 0.322 | 0.427 | 0.35 | 0.46 | 0.18 | Fig. I. 2 |
| CDMA BC1 | 25 | 1851.25 | 24.5 | 23. 58 | Cheek Left | 0.304 | 0.489 | 0.38 | 0.60 | 0.02 | Fig. I. 3 |
| CDMA BC1 | 1175 | 1908.75 | 22.3 | 21.86 | Bottom | 0. 5 | 0.938 | 0. 55 | 1.04 | 0.03 | Fig. I. 4 |
| CDMA BC1 | 600 | 1880 | 24.5 | 23. 45 | Rear | 0.452 | 0.775 | 0. 58 | 0.99 | -0.11 | Fig. I. 5 |
| LTE Band4 | 20175 | 1732.5 | 24.7 | 23.95 | Cheek Left | 0.339 | 0.523 | 0.40 | 0.62 | -0.04 | Fig. I. 6 |
| LTE Band4 | 20300 | 1745 | 23.7 | 23. 1 | Front | 0.465 | 0.815 | 0.53 | 0.94 | 0.01 | Fig. I. 7 |
| LTE Band4 | 20175 | 1732. 5 | 24.7 | 23.95 | Rear | 0. 26 | 0.422 | 0.31 | 0.50 | 0.04 | Fig. I.8 |
| LTE Band13 | 23230 | 782 | 24 | 23. 53 | Cheek Left | 0.179 | 0. 229 | 0.20 | 0.26 | -0.13 | Fig. I. 9 |
| LTE Band13 | 23230 | 782 | 24 | 23. 53 | Rear | 0.348 | 0.459 | 0.39 | 0.51 | -0.03 | Fig. I. 10 |
| WLAN 11b | 6 | 2437 | 16.2 | 15.82 | Cheek Left | 0.334 | 0.714 | 0.36 | 0.78 | 0.14 | Fig. I. 11 |
| WLAN 11n40M | 3 | 2422 | 17 | 15. 93 | Cheek Left | 0.416 | 0.889 | 0.53 | 1.14 | 0.06 | Fig. I. 12 |
| WLAN 11b | 1 | 2412 | 16. 2 | 15. 48 | Front | 0.079 | 0. 146 | 0.09 | 0.17 | 0.17 | Fig. I. 13 |

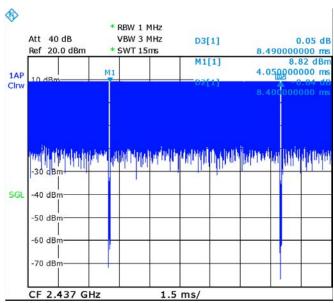
| Test Band | Frequ | uency | Side | Test | maximum duty factor | Reported SAR | Scaled reported SAR |
|-----------|-------|-------|---------------|----------|---------------------|--------------|---------------------|
| Wlan | MHz | Ch. | Side | Position | maximum duty ractor | (1g) (W/kg) | (1g) (W/kg) |
| vviaii | 2437 | 6 | Left | Touch | 98.93% | 0.78 | 0.79 |
| | Frequ | uency | Side Test | | maximum duty factor | Reported SAR | Scaled reported SAR |
| Wlan | MHz | Ch. | Side | Position | maximum duty ractor | (1g) (W/kg) | (1g) (W/kg) |
| vviaii | 2422 | 3 | Left | Touch | 98.63% | 1.14 | 1.15 |
| | Frequ | uency | Test Position | | maximum duty factor | Reported SAR | Scaled reported |
| Wlan | MHz | Ch. | Test Positi | IOH | maximum duty ractor | (1g) (W/kg) | SAR (1g) (W/kg) |
| vviaii | 2412 | 1 | Front | | 98.93% | 0.17 | 0.17 |

Note: The data of spot check are all smaller than original, we share the test results of original sample directly.









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I.3 Reported SAR Comparison

| Exposure Configuration | Technology Band | Reported SAR 1g (W/Kg): spot check | Reported SAR 1g (W/Kg): original |
|-------------------------|-----------------|---------------------------------------|-------------------------------------|
| | CDMA BC0 | 0.21 | 0.38 |
| | CDMA BC1 | 0.60 | 0.60 |
| lland | LTE Band4 | 0.62 | 0.65 |
| Head | LTE Band13 | 0.26 | 0.37 |
| | WLAN 11b | 0.79 | 1.42 |
| | WLAN 11n | 1.15 | 1.53 |
| | CDMA BC0 | 0.46 | 0.67 |
| 5 | CDMA BC1 | 1.04 | 1.35 |
| Body-Hotspot Off (10mm) | LTE Band4 | 0.94 | 1.23 |
| (1011111) | LTE Band13 | 0.51 | 0.51 |
| | WLAN 11b | 0.17 | 0.20 |
| Body-Hotspot On | CDMA BC1 | 0.99 | 1.10 |
| (15mm) | LTE Band4 | 0.50 | 0.59 |



CDMA BC0 Head Left Cheek Low

Date: 2017-2-15

Electronics: DAE4 Sn1331 Medium: Head 850 MHz

Medium parameters used: f = 824.7 MHz; $\sigma = 0.934 \text{ mho/m}$; $\epsilon r = 41.01$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: CDMA BC0 Frequency: 824.7 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(10.01, 10.01, 10.01)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.208 W/kg

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

Reference Value = 2.782 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.144 W/kg

Maximum value of SAR (measured) = 0.206 W/kg

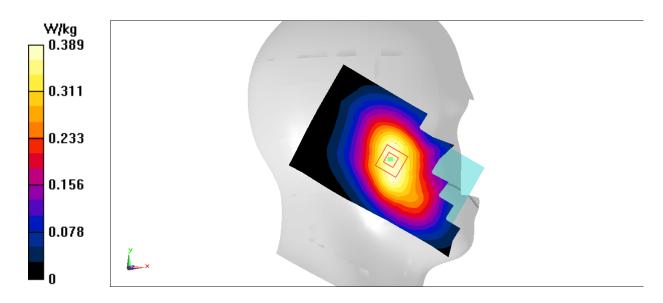


Fig.1 CDMA BC0



CDMA BC0 Body Rear Low

Date: 2017-2-15

Electronics: DAE4 Sn1331 Medium: Body 850 MHz

Medium parameters used: f = 824.7 MHz; $\sigma = 0.989 \text{ S/m}$; $\epsilon r = 55.92$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: CDMA BC0 Frequency: 824.7 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(9.83, 9.83, 9.83)

Area Scan (111x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.474 W/kg

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

Reference Value = 20.13 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.569 W/kg

SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.322 W/kg

Maximum value of SAR (measured) = 0.471 W/kg

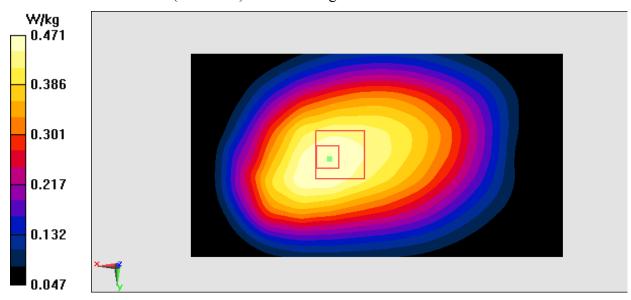


Fig.2 CDMA BC0



CDMA BC1 Head Left Cheek Low

Date: 2017-2-17

Electronics: DAE4 Sn1331 Medium: Head 1900 MHz

Medium parameters used (interpolated): f = 1851.3 MHz; $\sigma = 1.428$ mho/m; $\epsilon r = 39.71$; $\rho = 1.428$ mho/m; $\epsilon r = 39.71$; $\epsilon r = 39.71$;

 1000 kg/m^3

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: CDMA BC1 Frequency: 1851.3 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(8.10, 8.10, 8.10)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.639 W/kg

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

Reference Value = 4.776 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.734 W/kg

SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.304 W/kg

Maximum value of SAR (measured) = 0.571 W/kg

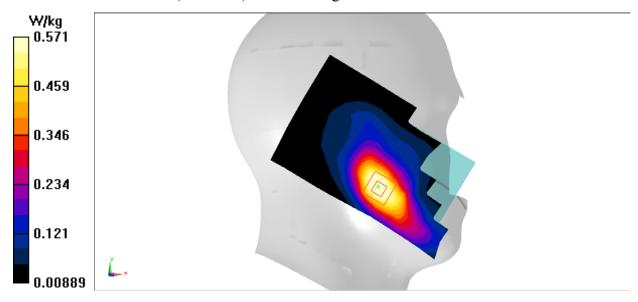


Fig.3 CDMA BC1



CDMA BC1 Body Bottom High – AP ON

Date: 2017-2-17

Electronics: DAE4 Sn1331 Medium: Body 1900 MHz

Medium parameters used (interpolated): f = 1908.8 MHz; $\sigma = 1.517$ mho/m; $\epsilon r = 53.07$; $\rho = 1.517$ mho/m; $\epsilon r = 53.07$; $\epsilon r = 53.07$;

 1000 kg/m^3

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: CDMA BC1 Frequency: 1908.8 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(7.67, 7.67, 7.67)

Area Scan (121x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.09 W/kg

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

Reference Value = 23.33 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.938 W/kg; SAR(10 g) = 0.500 W/kg

Maximum value of SAR (measured) = 1.18 W/kg

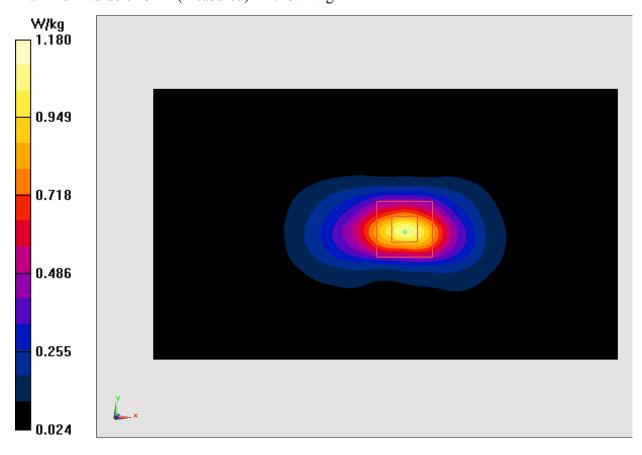


Fig.4 CDMA BC1



CDMA BC1 Body Rear High – AP OFF

Date: 2017-2-17

Electronics: DAE4 Sn1331 Medium: Body 1900 MHz

Medium parameters used: f = 1880 MHz; $\sigma = 1.501 \text{ mho/m}$; $\epsilon r = 53.21$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: CDMA BC1 Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(7.67, 7.67, 7.67)

Area Scan (121x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.864 W/kg

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

Reference Value = 10.72 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.452 W/kg

Maximum value of SAR (measured) = 0.924 W/kg

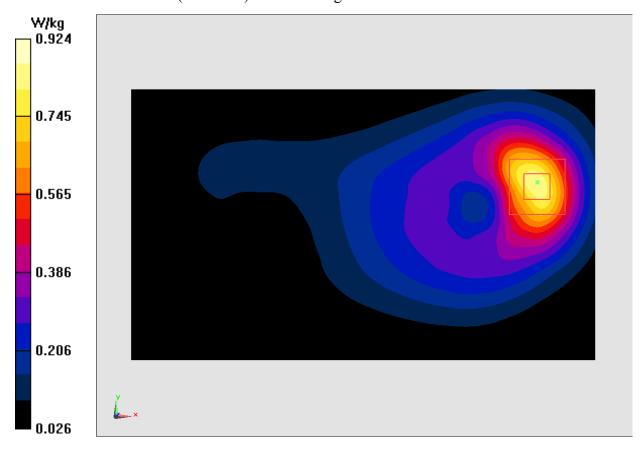


Fig.5 CDMA BC1



LTE Band4 Left Cheek Middle with QPSK_20M_1RB_Middle

Date: 2017-2-16

Electronics: DAE4 Sn1331 Medium: Head 1750 MHz

Medium parameters used: f = 1732.5 MHz; $\sigma = 1.351 \text{ mho/m}$; $\epsilon r = 39.41$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: LTE Band4 Frequency: 1732.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(8.37, 8.37, 8.37)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

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

Reference Value = 4.922 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.774 W/kg

SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.339 W/kg

Maximum value of SAR (measured) = 0.608 W/kg

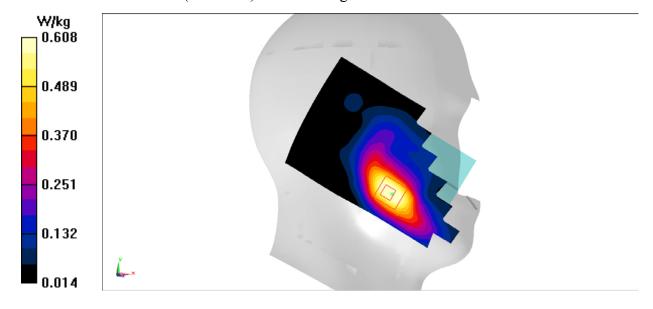


Fig.6 LTE Band4



LTE Band4 Body Front High with QPSK_20M_1RB_Low AP ON

Date: 2017-2-16

Electronics: DAE4 Sn1331 Medium: Body 1750 MHz

Medium parameters used: f = 1745 MHz; $\sigma = 1.485 \text{ mho/m}$; $\epsilon r = 53.12$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: LTE Band4 Frequency: 1745 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(8.10, 8.10, 8.10)

Area Scan (121x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.978 W/kg

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

Reference Value = 11.95 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.815 W/kg; SAR(10 g) = 0.465 W/kg

Maximum value of SAR (measured) = 0.930 W/kg

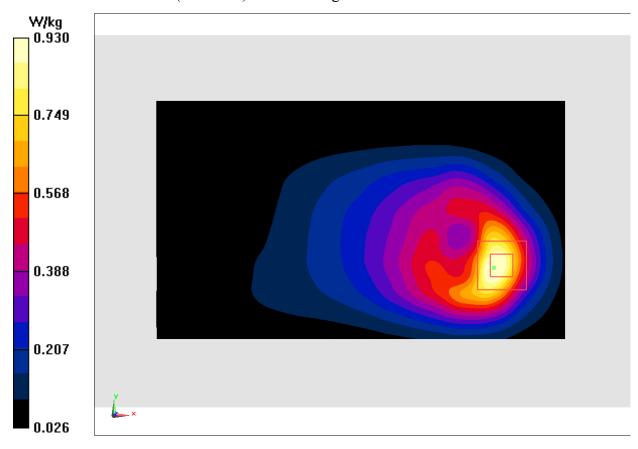


Fig.7 LTE Band4



LTE Band4 Body Rear Middle with QPSK_20M_1RB_Middle AP OFF

Date: 2017-2-16

Electronics: DAE4 Sn1331 Medium: Body 1750 MHz

Medium parameters used: f = 1732.5 MHz; $\sigma = 1.449 \text{ mho/m}$; $\epsilon r = 53.27$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: LTE Band4 Frequency: 1732.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(8.10, 8.10, 8.10)

Area Scan (121x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.515 W/kg

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

Reference Value = 12.10 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.628 W/kg

SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.260 W/kg

Maximum value of SAR (measured) = 0.501 W/kg

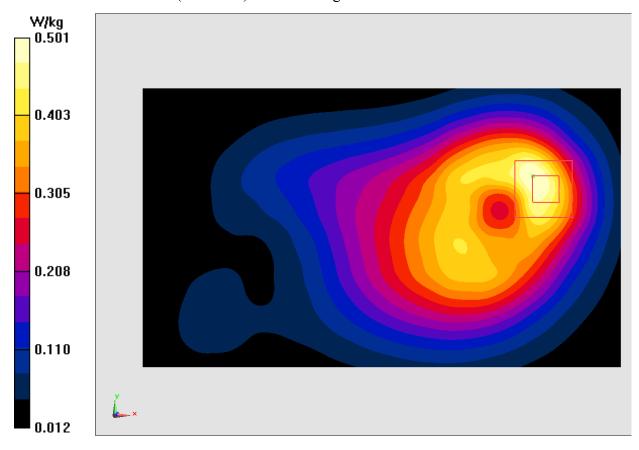


Fig.8 LTE Band4



LTE Band 13 Left Cheek with QPSK_10M_1RB_Middle

Date: 2017-2-14

Electronics: DAE4 Sn1331 Medium: Head 750 MHz

Medium parameters used (interpolated): f = 782 MHz; $\sigma = 0.852$ mho/m; $\epsilon r = 41.89$; $\rho = 1000$

 kg/m^3

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: LTE Band13 Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(10.47, 10.47, 10.47)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.243 W/kg

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

Reference Value = 4.530 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 0.245 W/kg

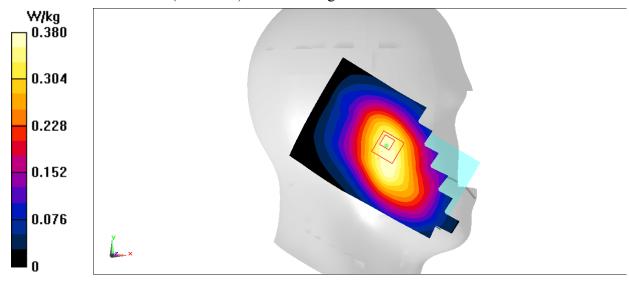


Fig.9 LTE Band 13



LTE Band 13 Body Rear Middle with QPSK_10M_1RB_Middle

Date: 2017-2-14

Electronics: DAE4 Sn1331 Medium: Body 750 MHz

Medium parameters used (interpolated): f = 782 MHz; $\sigma = 0.931$ mho/m; $\epsilon r = 55.16$; $\rho = 1000$

 kg/m^3

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: LTE Band13 Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(9.93, 9.93, 9.93)

Area Scan (111x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.511 W/kg

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

Reference Value = 20.54 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.609 W/kg

SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.348 W/kg

Maximum value of SAR (measured) = 0.508 W/kg

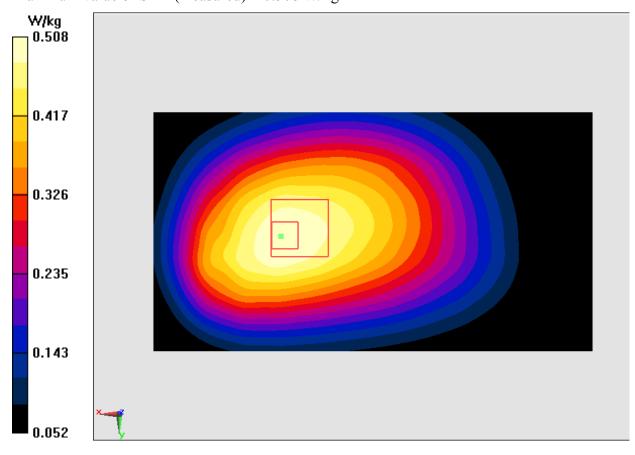


Fig.10 LTE Band 13



Wifi 802.11b Left Cheek Channel 6

Date: 2017-2-18

Electronics: DAE4 Sn1331 Medium: Head 2450 MHz

Medium parameters used (interpolated): f = 2437 MHz; $\sigma = 1.847$ S/m; $\varepsilon_r = 38.74$; $\rho = 1000$

 kg/m^3

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: WLan 2450 Frequency: 2437 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(8.37, 8.37, 8.37)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

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

Reference Value = 12.15 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.714 W/kg; SAR(10 g) = 0.334 W/kg

Maximum value of SAR (measured) = 0.892 W/kg

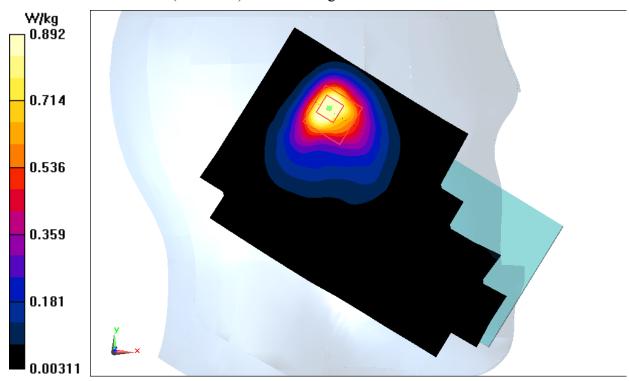


Fig.11 2450 MHz



Wifi 802.11n HT40 Left Cheek Channel 3

Date: 2017-2-18

Electronics: DAE4 Sn1331 Medium: Head 2450 MHz

Medium parameters used (interpolated): f = 2422 MHz; $\sigma = 1.852$ S/m; $\varepsilon_r = 38.63$; $\rho = 1000$

 kg/m^3

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: WLan 2450 Frequency: 2422 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(8.37, 8.37, 8.37)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.30 W/kg

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

Reference Value = 13.66 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 0.889 W/kg; SAR(10 g) = 0.416 W/kg

Maximum value of SAR (measured) = 1.11 W/kg

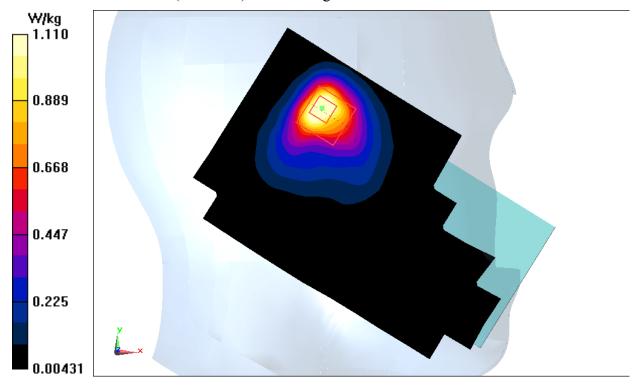


Fig.12 2450 MHz



Wifi 802.11b Body Front Channel 1

Date: 2017-2-18

Electronics: DAE4 Sn1331 Medium: Body 2450 MHz

Medium parameters used (interpolated): f = 2412 MHz; $\sigma = 1.942$ S/m; $\varepsilon_r = 52.14$; $\rho = 1000$

 kg/m^3

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: WLan 2450 Frequency: 2412 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7307 ConvF(7.36, 7.36, 7.36)

Area Scan (141x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.186 W/kg

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

Reference Value = 5.066 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.079 W/kg

Maximum value of SAR (measured) = 0.179 W/kg

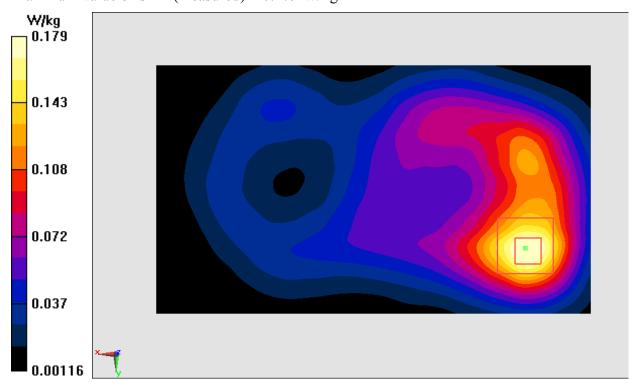


Fig.13 2450 MHz



ANNEX J Accreditation Certificate





China National Accreditation Service for Conformity Assessment

LABORATORY ACCREDITATION CERTIFICATE (Registration No. CNAS L0570)

Telecommunication Technology Labs,
Academy of Telecommunication Research, MIIT

No.52, Huayuan North Road, Haidian District, Beijing, China

No.51, Xueyuan Road, Haidian District, Beijing, China

TCL International E City, No. 1001 Zhongshanyuan Road, Nanshan

District, Shenzhen, Guangdong Province

is accredited in accordance with ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence to undertake testing and calibration service as described in the schedule attached to this certificate.

The scope of accreditation is detailed in the attached schedule bearing the same registration number as above. The schedule form an integral part of this certificate.

Date of Issue: 2015-11-13 Date of Expiry: 2017-06-19

Date of Initial Accreditation: 1998-07-03

Signed on behalf of China National Accreditation Service for Conformity Assessment



China National Accreditation Service for Conformity Assessment(CNAS) is authorized by Certification and Accreditation Administration of the People's Republic of China (CNCA) to operate the national accreditation schemes for conformity assessment. CNAS is a signatory of the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement (ILAC MRA) and the Asia Pacific Laboratory Accreditation Cooperation Mutual Recognition Arrangement (APLAC MRA). The validity of the certificate can be checked on CNAS website at http://www.cnas.org.cn/english/findanaccreditedbody/index.shtml