



# Appendix B

## Detailed Test Results

|                        |
|------------------------|
| 1. WCDMA               |
| WCDMA Band II for Body |
| WCDMA Band IV for Body |
| WCDMA Band V for Body  |
| 2. LTE                 |
| LTE Band 12 for Body   |
| LTE Band 13 for Body   |
| LTE Band 25 for Body   |
| LTE Band 26 for Body   |
| LTE Band 66 for Body   |
| 3. WIFI                |
| WIFI 2.4GHz for Body   |
| WIFI 5.2GHz for Body   |
| WIFI 5.8GHz for Body   |





Date: 2024/7/2

Test Laboratory: LCS-SAR Lab

**WCDMA Band II RMC 9400CH Rear side 0mm****DUT: Mstick4; Type: MG-S04 Serial: A240625019-1**

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.436$  S/m;  $\epsilon_r = 40.244$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.85, 7.85, 7.85); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.333 W/kg

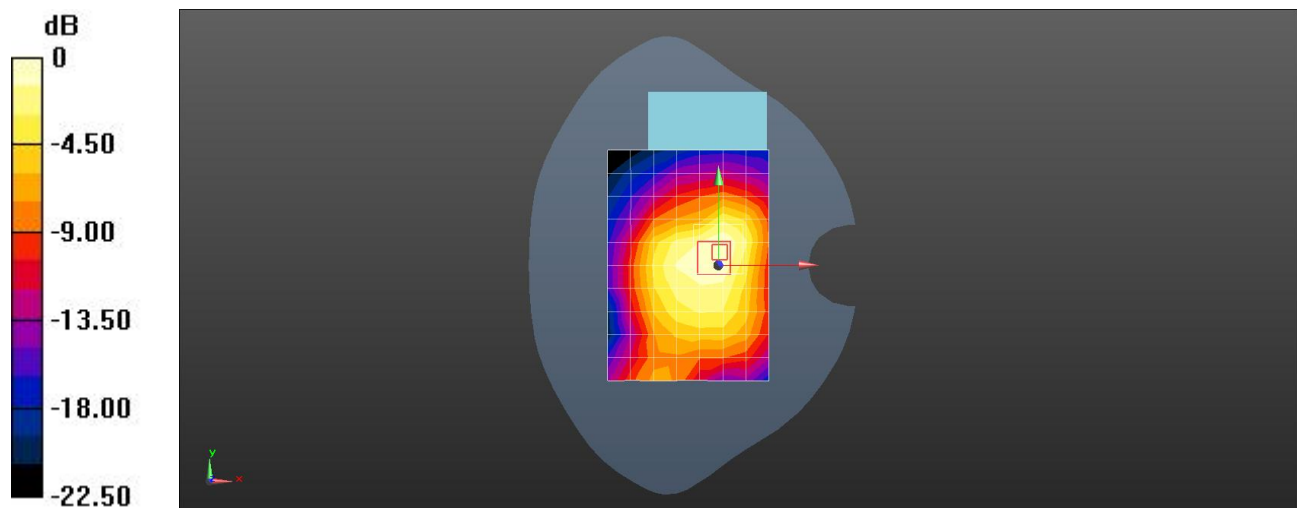
**Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.85 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.414 W/kg

**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.149 W/kg**

Maximum value of SAR (measured) = 0.344 W/kg



0 dB = 0.344 W/kg = -4.36 dBW/kg



Date: 2024/6/28

Test Laboratory: LCS-SAR Lab

**WCDMA Band IV RCM 1413CH Rear side 0mm****DUT: Mstick4; Type: MG-S04 Serial: A240625019-1**

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 40.377$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(8.16, 8.16, 8.16); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.512 W/kg

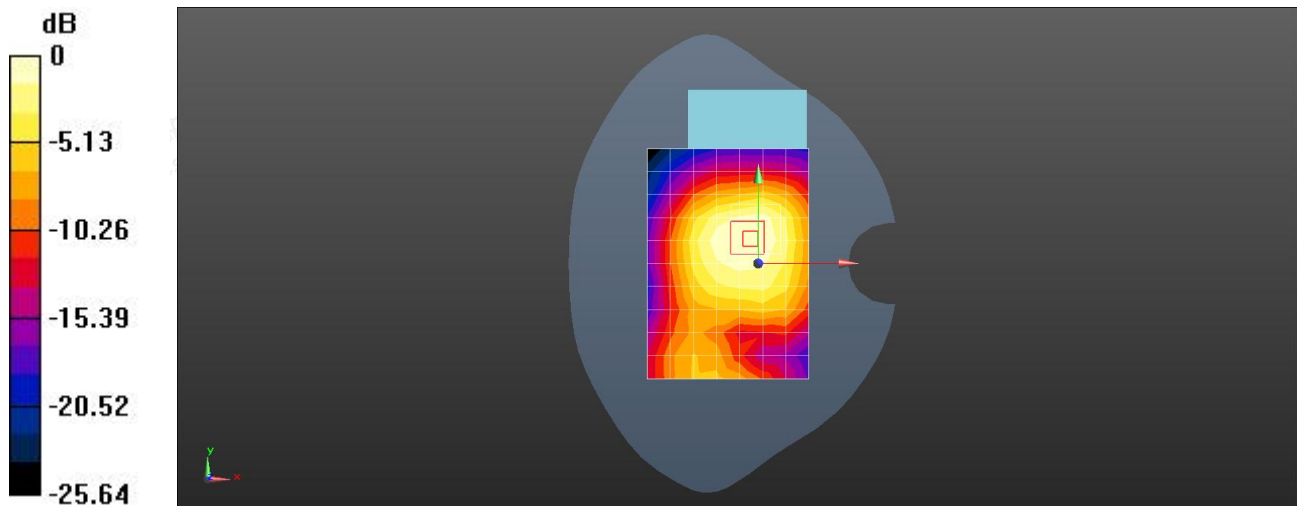
**Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.47 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.612 W/kg

**SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.245 W/kg**

Maximum value of SAR (measured) = 0.522 W/kg



0 dB = 0.522 W/kg = -2.82 dBW/kg



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Date: 2024/6/27

Test Laboratory: LCS-SAR Lab

**WCDMA Band V RCM 4182CH Rear side 0mm****DUT: Mstick4; Type: MG-S04 Serial: A240625019-1**

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 41.441$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.26, 9.26, 9.26); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.318 W/kg

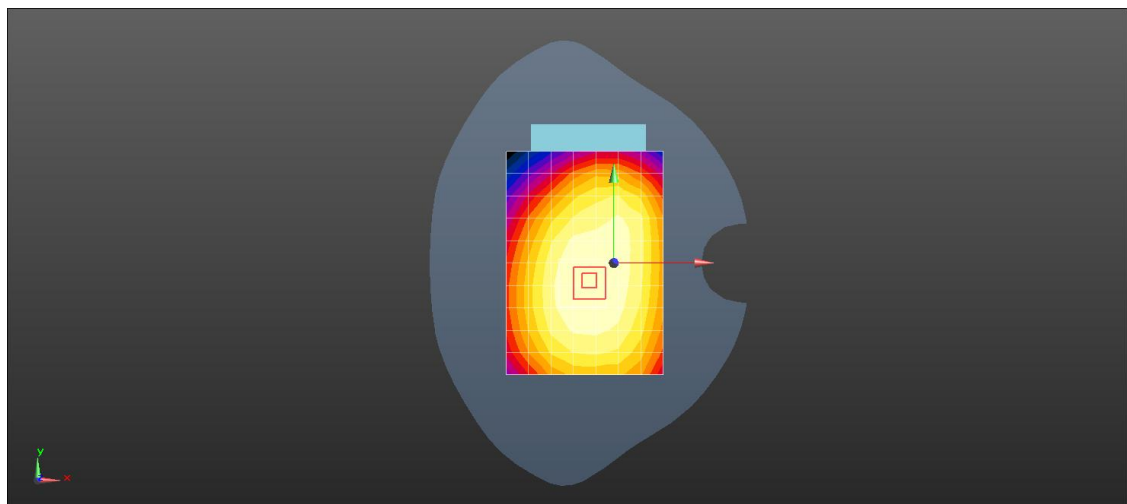
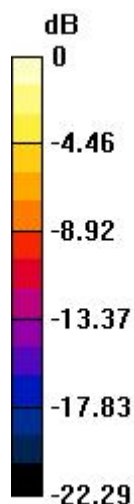
**Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.65 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.363 W/kg

**SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.204 W/kg**

Maximum value of SAR (measured) = 0.323 W/kg



0 dB = 0.323 W/kg = -4.91 dBW/kg



Date: 2024/6/26

Test Laboratory: LCS-SAR Lab

**LTE Band 12 10M QPSK 1RB24 23060CH Rear side 0mm****DUT: Mstick4; Type: MG-S04 Serial: A240625019-1**

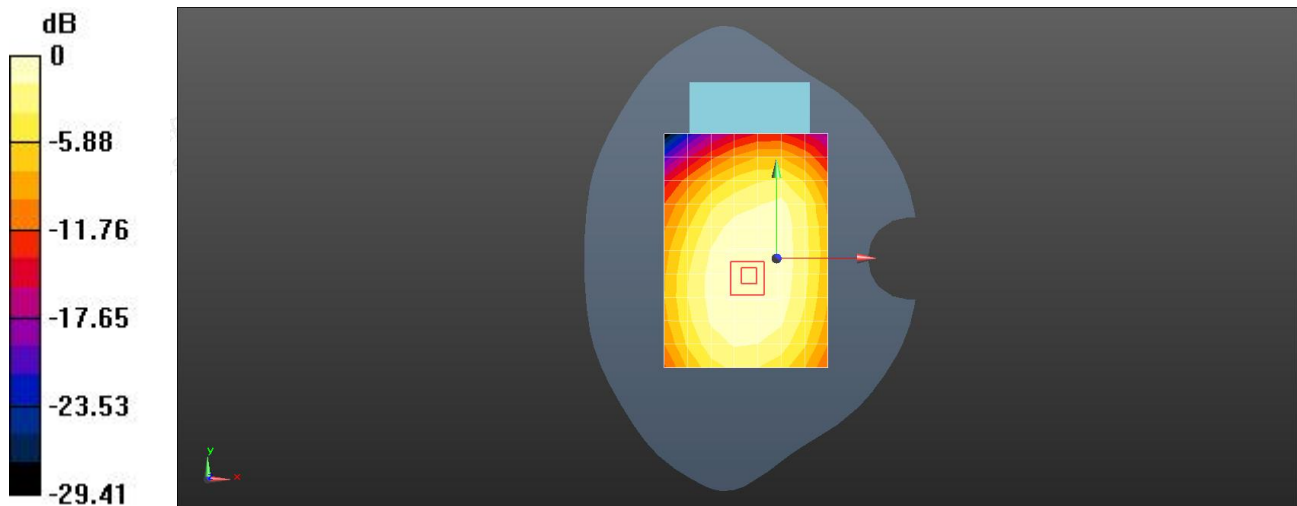
Communication System: UID 0, LTE-FDD (0); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 704 \text{ MHz}$ ;  $\sigma = 0.881 \text{ S/m}$ ;  $\epsilon_r = 41.774$   $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.66, 9.66, 9.66); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (8x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ Maximum value of SAR (measured) =  $0.145 \text{ W/kg}$ **Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $11.75 \text{ V/m}$ ; Power Drift =  $-0.12 \text{ dB}$ Peak SAR (extrapolated) =  $0.135 \text{ W/kg}$ **SAR(1 g) =  $0.132 \text{ W/kg}$ ; SAR(10 g) =  $0.084 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.127 \text{ W/kg}$  $0 \text{ dB} = 0.127 \text{ W/kg} = -8.96 \text{ dBW/kg}$ 

Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Date: 2024/6/26

Test Laboratory: LCS-SAR Lab

**LTE Band 13 10M QPSK 1RB0 23230CH Rear side 0mm****DUT: Mstick4; Type: MG-S04 Serial: A240625019-1**

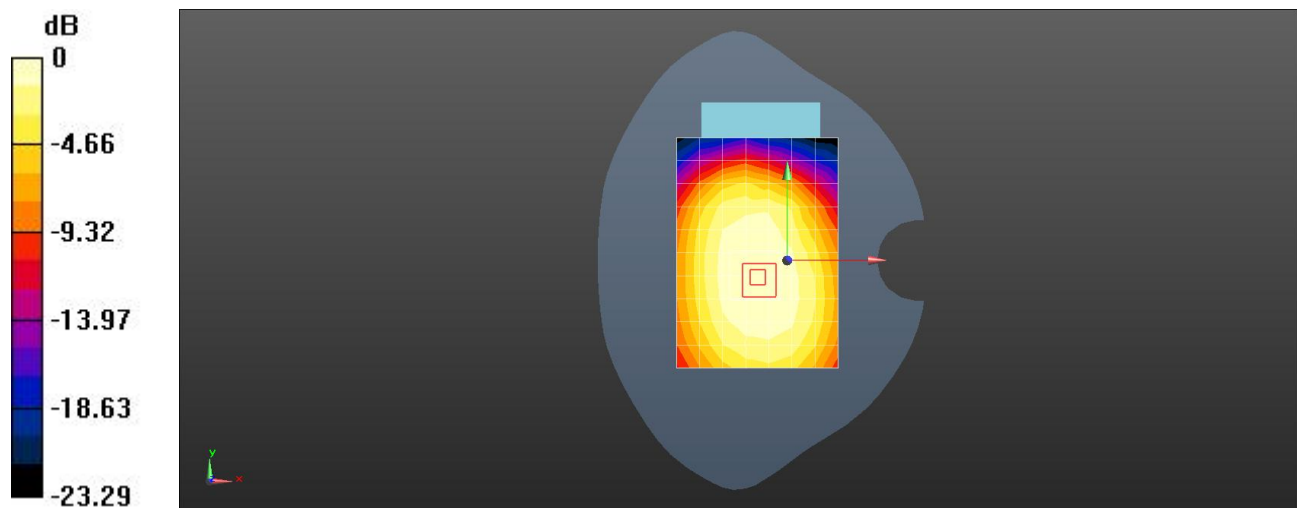
Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.860 \text{ S/m}$ ;  $\epsilon_r = 40.552$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.66, 9.66, 9.66); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (8x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ Maximum value of SAR (measured) =  $0.144 \text{ W/kg}$ **Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $12.58 \text{ V/m}$ ; Power Drift =  $-0.17 \text{ dB}$ Peak SAR (extrapolated) =  $0.174 \text{ W/kg}$ **SAR(1 g) =  $0.175 \text{ W/kg}$ ; SAR(10 g) =  $0.101 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.155 \text{ W/kg}$ 0 dB =  $0.155 \text{ W/kg}$  =  $-8.08 \text{ dBW/kg}$



Date: 2024/7/2

Test Laboratory: LCS-SAR Lab

**LTE Band 25 20M QPSK 1RB49 26365CH Rear side 0mm****DUT: Mstick4; Type: MG-S04 Serial: A240625019-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.380$  S/m;  $\epsilon_r = 40.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.85, 7.85, 7.85); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.345 W/kg

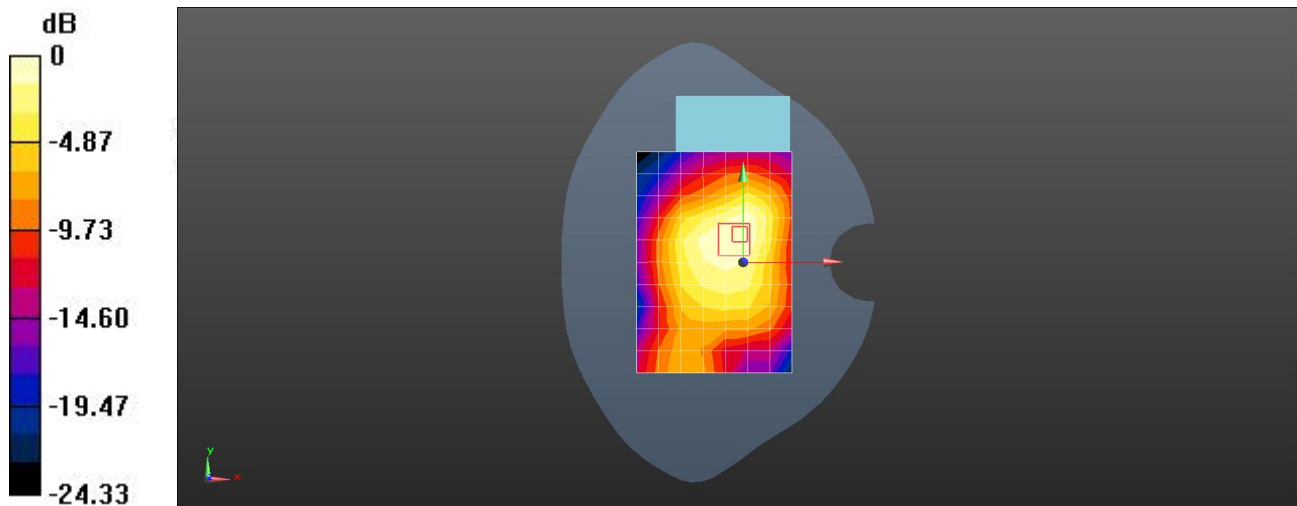
**Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.62 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.463 W/kg

**SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.165 W/kg**

Maximum value of SAR (measured) = 0.357 W/kg



0 dB = 0.357 W/kg = -4.47 dBW/kg



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Date: 2024/6/27

Test Laboratory: LCS-SAR Lab

**LTE Band 26 10M QPSK 1RB24 26740CH Rear side 0mm****DUT: Mstick4; Type: MG-S04 Serial: A240625019-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 819$  MHz;  $\sigma = 0.899$  S/m;  $\epsilon_r = 41.533$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.26, 9.26, 9.26); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.389 W/kg

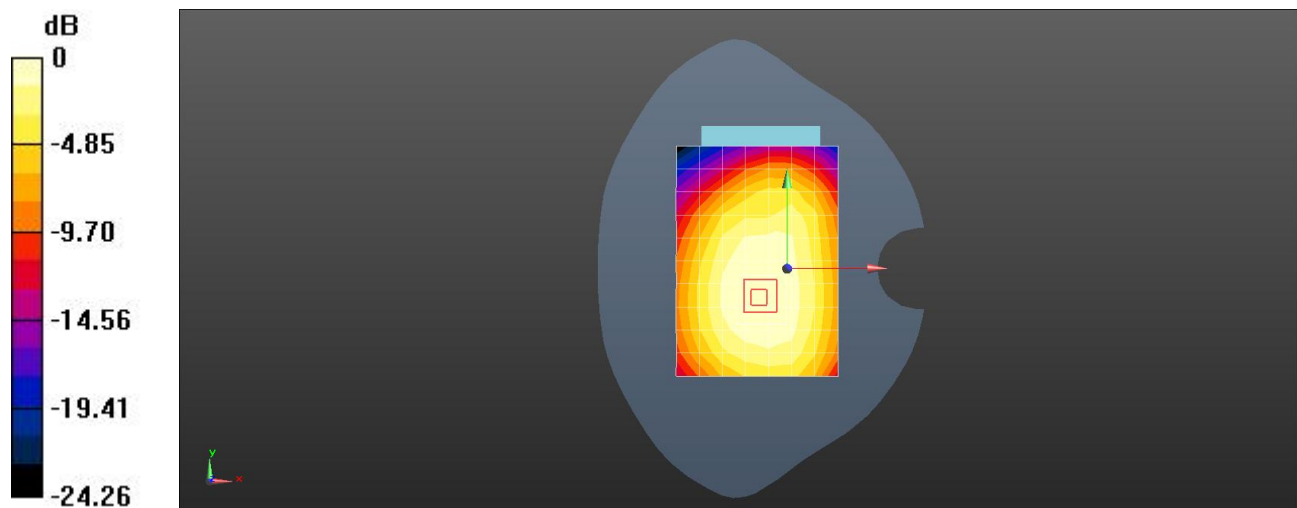
**Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.75 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.344 W/kg

**SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.244 W/kg**

Maximum value of SAR (measured) = 0.362 W/kg



0 dB = 0.362 W/kg = -4.41 dBW/kg



Date: 2024/6/28

Test Laboratory: LCS-SAR Lab

**LTE Band 66 20M QPSK 1RB49 132572CH Rear side 0mm****DUT: Mstick4; Type: MG-S04 Serial: A240625019-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.431$  S/m;  $\epsilon_r = 40.121$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(8.16, 8.16, 8.16); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.267 W/kg

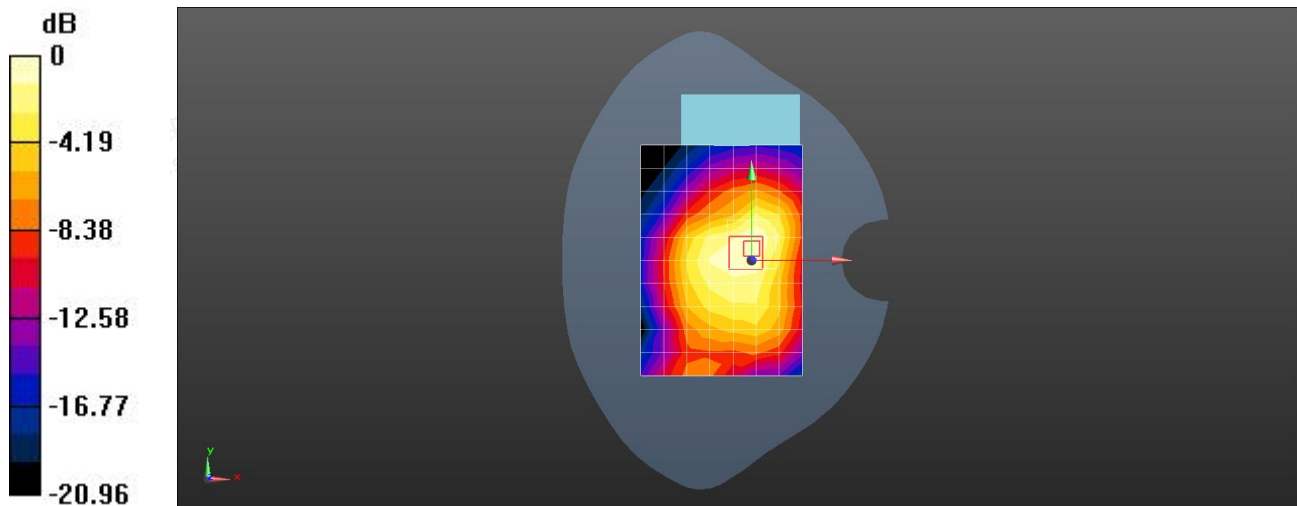
**Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.15 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.277 W/kg

**SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.072 W/kg**

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



0 dB = 0.245 W/kg = -6.11 dBW/kg



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Date: 2024/7/4

Test Laboratory: LCS-SAR Lab

**WIFI 2.4G 802.11b 1CH Rear side 0mm****DUT: Mstick4; Type: MG-S04 Serial: A240625019-1**

Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2412 MHz; Duty Cycle: 1:1.008

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.744$  S/m;  $\epsilon_r = 38.642$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.42, 7.42, 7.42); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (8x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.436 W/kg

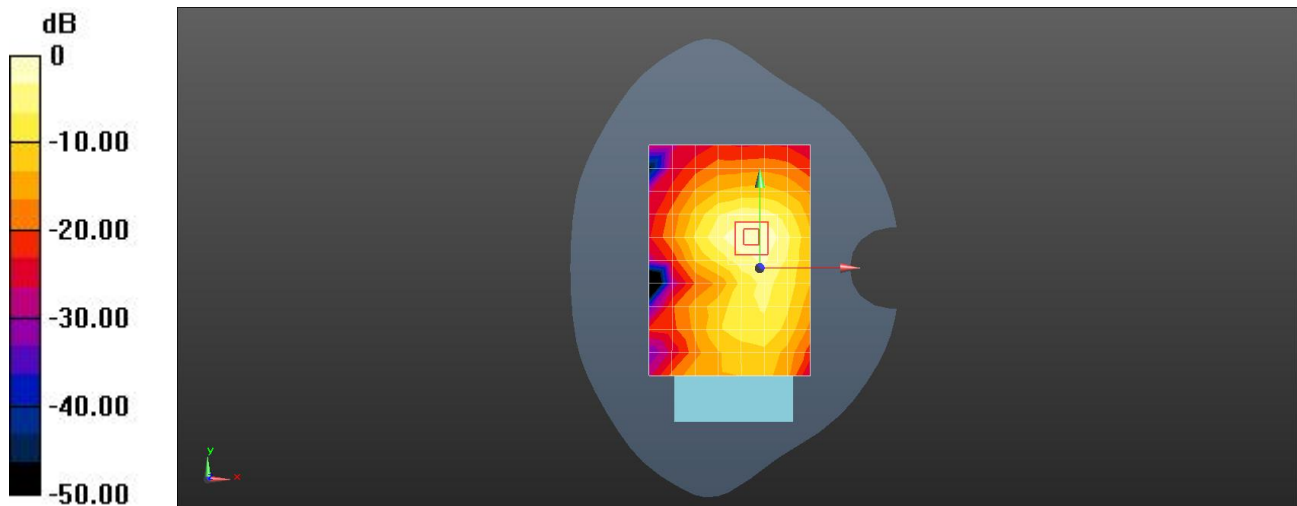
**Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.454 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.711 W/kg

**SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.168 W/kg**

Maximum value of SAR (measured) = 0.445 W/kg



0 dB = 0.445 W/kg = -3.52 dBW/kg



Date: 2024/7/10

Test Laboratory: LCS-SAR Lab

**WIFI 5.2G 802.11a 36CH Rear side 0mm****DUT: Mstick4; Type: MG-S04 Serial: A240625019-1**

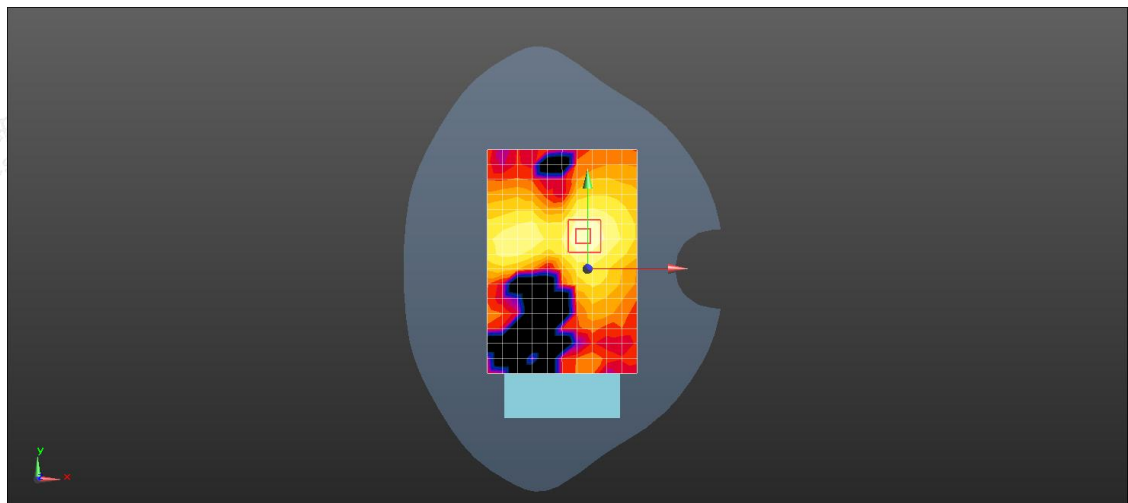
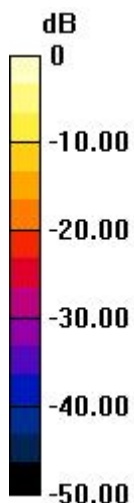
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5180 MHz; Duty Cycle: 1:1.058

Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 4.433 \text{ S/m}$ ;  $\epsilon_r = 36.621$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.38, 5.38, 5.38); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (11x16x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ Maximum value of SAR (measured) =  $0.542 \text{ W/kg}$ **Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$ Reference Value =  $1.121 \text{ V/m}$ ; Power Drift =  $0.15 \text{ dB}$ Peak SAR (extrapolated) =  $1.17 \text{ W/kg}$ **SAR(1 g) =  $0.345 \text{ W/kg}$ ; SAR(10 g) =  $0.111 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.530 \text{ W/kg}$  $0 \text{ dB} = 0.530 \text{ W/kg} = -2.76 \text{ dBW/kg}$ 

Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Date: 2024/7/10

Test Laboratory: LCS-SAR Lab

**WIFI 5.8G 802.11a 157CH Rear side 0mm****DUT: Mstick4; Type: MG-S04 Serial: A240625019-1**

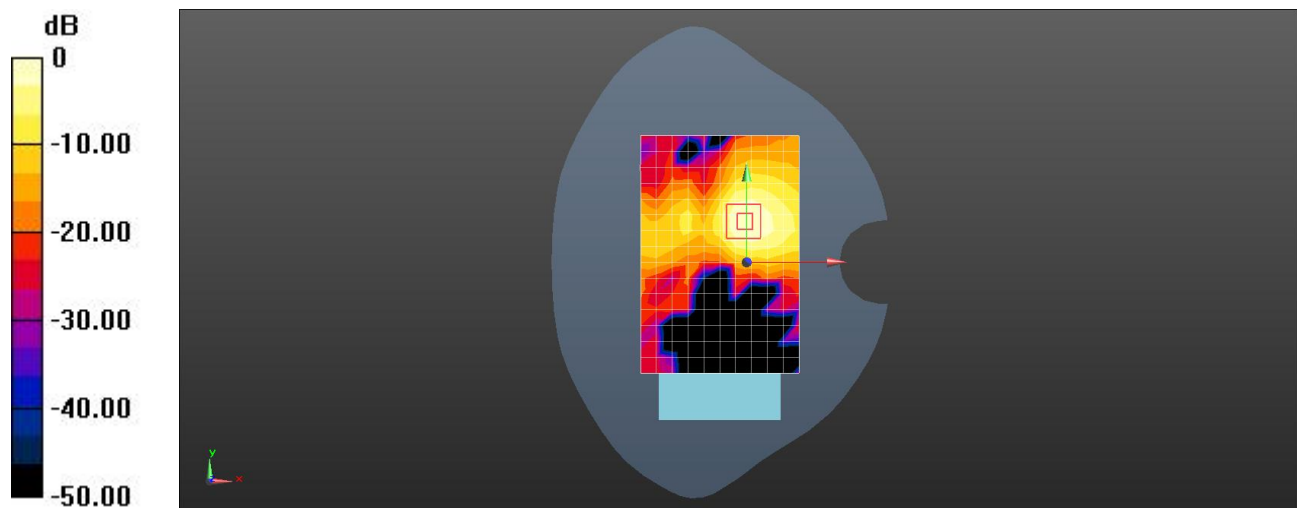
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5785 MHz; Duty Cycle: 1:1.057

Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 5.133 \text{ S/m}$ ;  $\epsilon_r = 35.525$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.88, 4.88, 4.88); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (11x16x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ Maximum value of SAR (measured) =  $0.668 \text{ W/kg}$ **Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$ Reference Value =  $0.0642 \text{ V/m}$ ; Power Drift =  $0.10 \text{ dB}$ Peak SAR (extrapolated) =  $1.52 \text{ W/kg}$ **SAR(1 g) =  $0.435 \text{ W/kg}$ ; SAR(10 g) =  $0.156 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.675 \text{ W/kg}$  $0 \text{ dB} = 0.675 \text{ W/kg} = -1.71 \text{ dBW/kg}$