



## SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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Rev.: 01

Page: 1 of 23

# Appendix B

## Detailed Test Results

|                 |
|-----------------|
| 1. GSM          |
| GSM850          |
| GSM1900         |
| 2. WCDMA        |
| WCDMA Band II   |
| WCDMA Band IV   |
| WCDMA Band V    |
| 3. LTE          |
| LTE Band 7      |
| LTE Band 12(17) |
| LTE Band 13     |
| LTE Band 25(2)  |
| LTE Band 26(5)  |
| LTE Band 30     |
| LTE Band 41(38) |
| LTE Band 66(4)  |
| LTE Band 71     |
| 4. WIFI         |
| WIFI 2.4G       |
| WIFI 5G         |
| WIFI 6E         |
| 5. BT           |
| BT              |
| 6. NFC          |
| NFC             |

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Test Laboratory: SGS-SAR Lab

## TFB1B GSM850 GPRS 2TS 190CH Back side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium: HSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.896$  S/m;  $\epsilon_r = 41.922$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.19, 10.19, 10.19); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.414 W/kg

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

Reference Value = 13.31 V/m; Power Drift = 0.06 dB

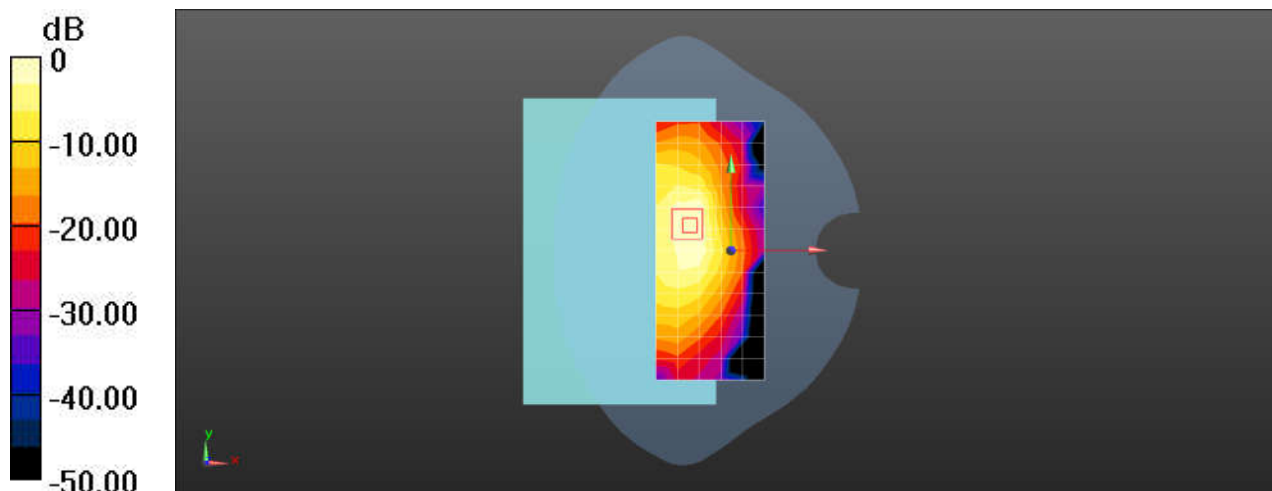
Peak SAR (extrapolated) = 0.954 W/kg

**SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.185 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 40.2%

Maximum value of SAR (measured) = 0.730 W/kg



0 dB = 0.414 W/kg = -3.83 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B GSM1900 GPRS 4TS 661CH Top side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:2.08

Medium: HSL1950; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.347$  S/m;  $\epsilon_r = 38.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.45, 8.45, 8.45); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.381 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=2.8$ mm,  $dy=2.8$ mm,  $dz=1.4$ mm

Reference Value = 6.707 V/m; Power Drift = -0.01 dB

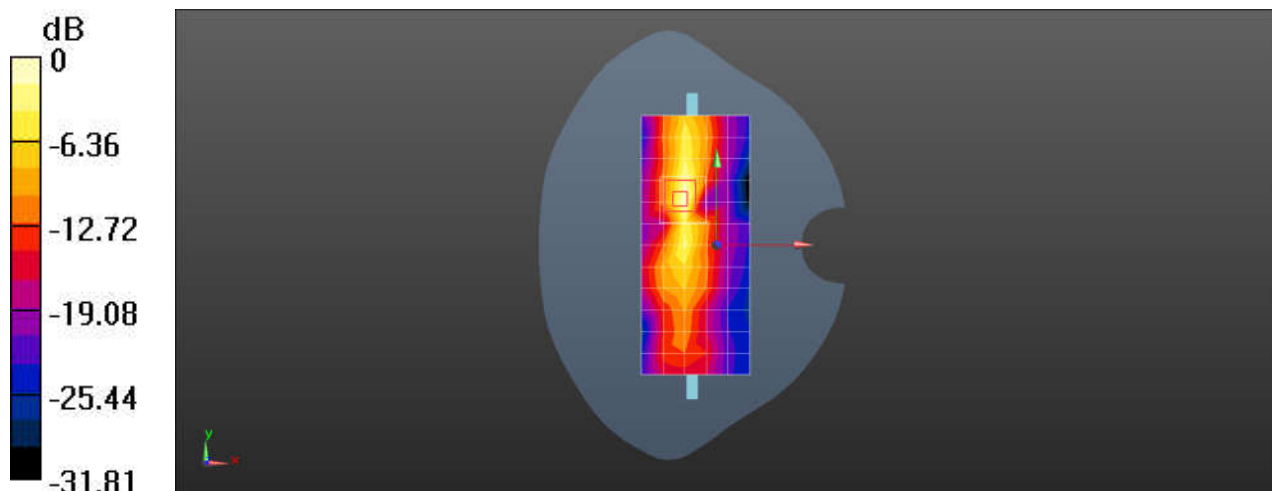
Peak SAR (extrapolated) = 0.593 W/kg

**SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.088 W/kg**

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 39.9%

Maximum value of SAR (measured) = 0.460 W/kg



0 dB = 0.381 W/kg = -4.19 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B WCDMA Band II RMC 9400CH Back side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

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

Medium: HSL1950; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.347$  S/m;  $\epsilon_r = 38.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.45, 8.45, 8.45); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.388 W/kg

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

Reference Value = 6.956 V/m; Power Drift = 0.04 dB

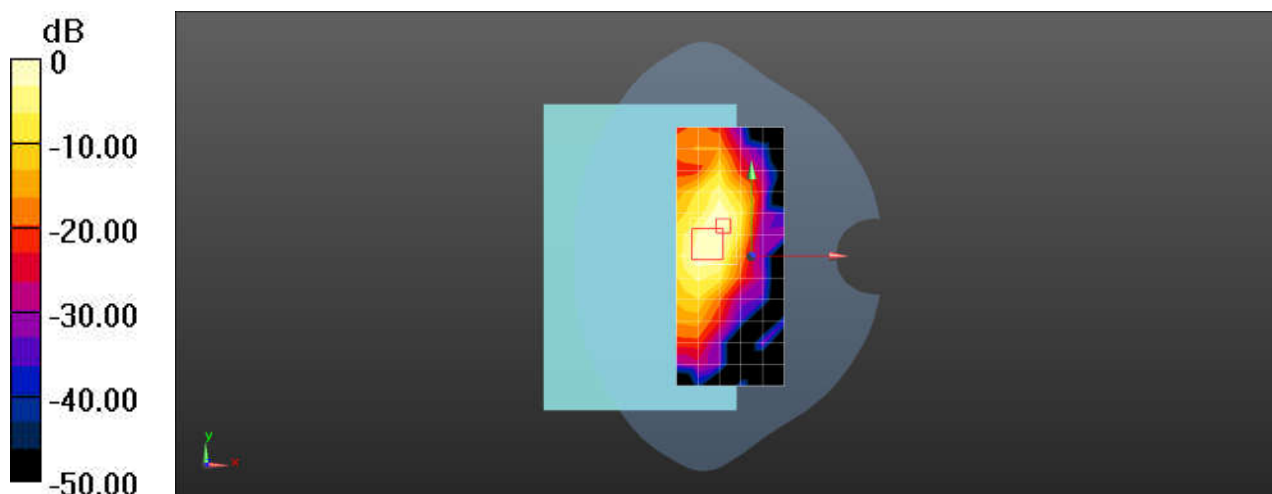
Peak SAR (extrapolated) = 0.599 W/kg

**SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.117 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 43.7%

Maximum value of SAR (measured) = 0.472 W/kg



0 dB = 0.388 W/kg = -4.12 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B WCDMA Band IV RMC 1412CH Top side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, WCDMA (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.313$  S/m;  $\epsilon_r = 38.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.8, 8.8, 8.8); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.417 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=3$ mm,  $dy=3$ mm,  $dz=1.4$ mm

Reference Value = 7.344 V/m; Power Drift = 0.02 dB

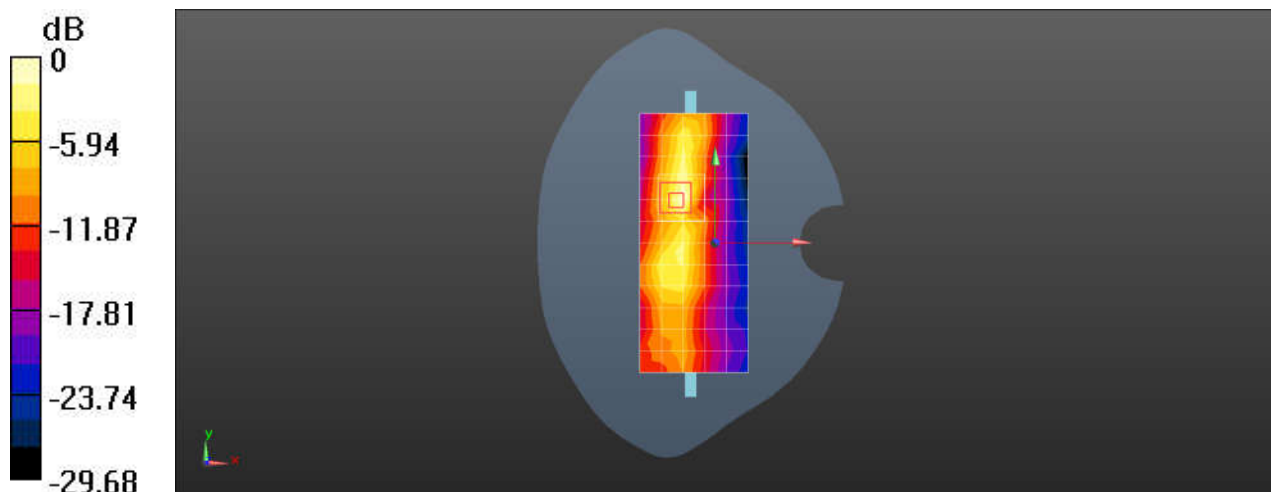
Peak SAR (extrapolated) = 0.927 W/kg

**SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.138 W/kg**

Smallest distance from peaks to all points 3 dB below = 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 44.3%

Maximum value of SAR (measured) = 0.579 W/kg



0 dB = 0.417 W/kg = -3.79 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B WCDMA Band V RMC 4182CH Back side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

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

Medium: HSL835; Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.901$  S/m;  $\epsilon_r = 42.062$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.19, 10.19, 10.19); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.405 W/kg

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

Reference Value = 13.22 V/m; Power Drift = 0.06 dB

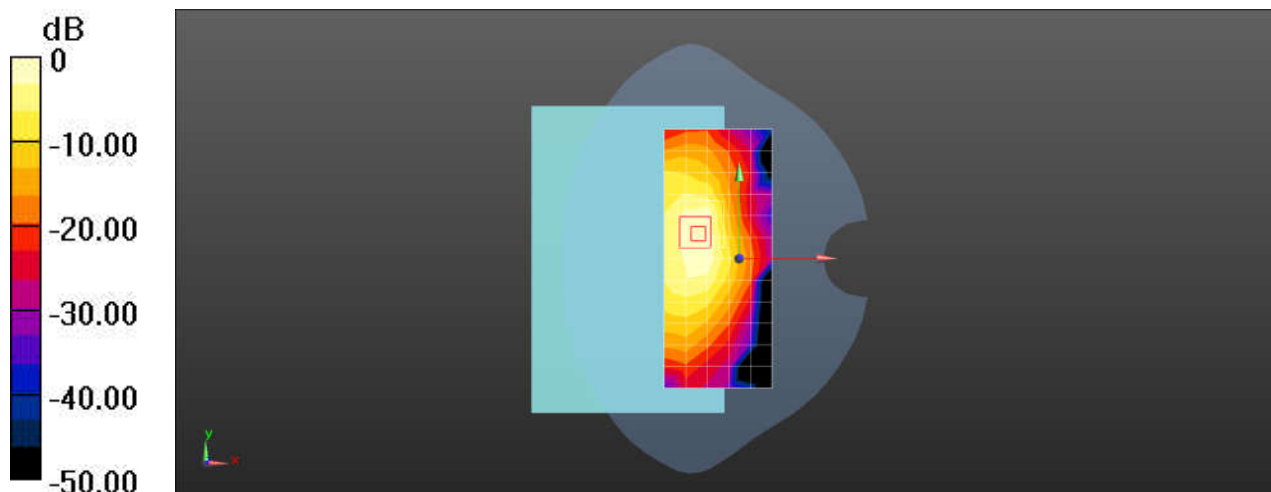
Peak SAR (extrapolated) = 0.895 W/kg

**SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.181 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 41.6%

Maximum value of SAR (measured) = 0.692 W/kg



Test Laboratory: SGS-SAR Lab

## TFB1B LTE Band 7 QPSK 20M 1RB0 21100CH Back side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.952$  S/m;  $\epsilon_r = 38.46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.98, 7.98, 7.98); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (7x16x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.168 W/kg

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

Reference Value = 4.990 V/m; Power Drift = 0.05 dB

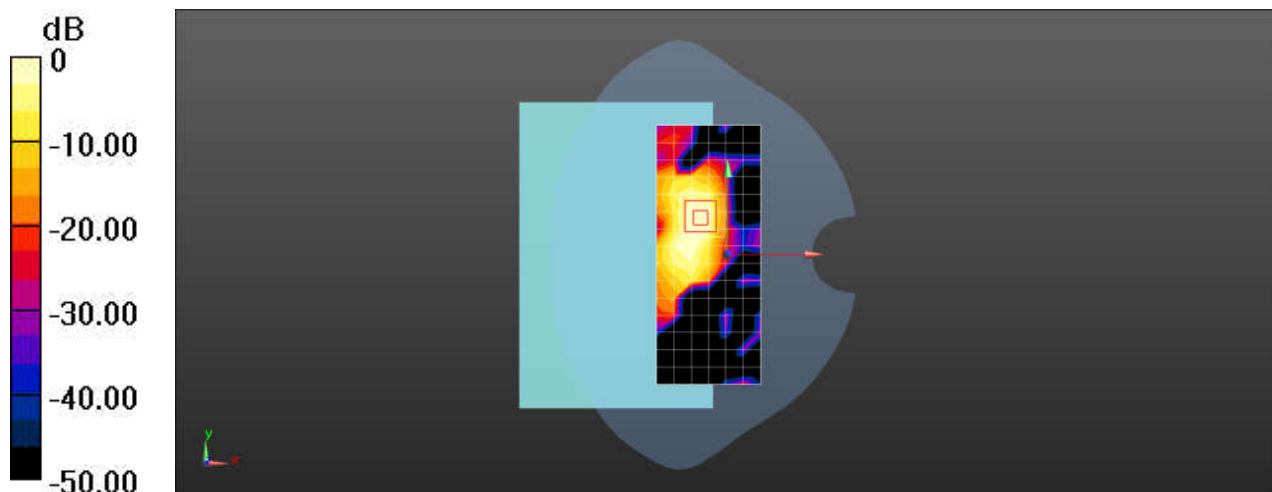
Peak SAR (extrapolated) = 0.463 W/kg

**SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.059 W/kg**

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 43.4%

Maximum value of SAR (measured) = 0.315 W/kg



Test Laboratory: SGS-SAR Lab

## TFB1B LTE Band 12 QPSK 10M 1RB0 23095CH Back side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.89$  S/m;  $\epsilon_r = 42.092$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.59, 10.59, 10.59); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.567 W/kg

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

Reference Value = 11.38 V/m; Power Drift = 0.05 dB

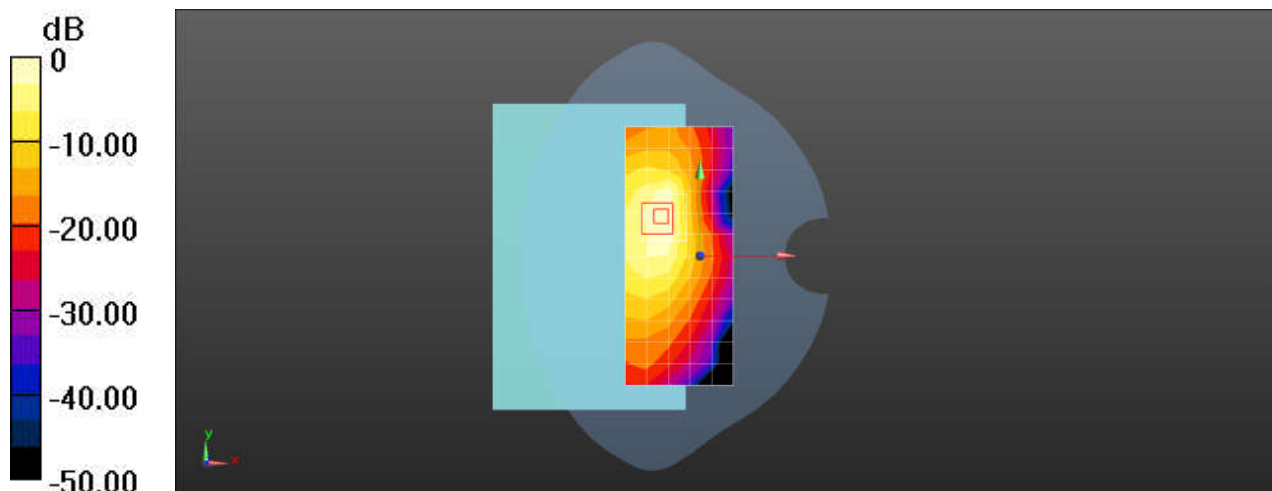
Peak SAR (extrapolated) = 1.16 W/kg

**SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.199 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 35.4%

Maximum value of SAR (measured) = 0.776 W/kg



0 dB = 0.567 W/kg = -2.47 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B LTE Band 13 QPSK 10M 1RB0 23230CH Back side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 782 MHz;Duty Cycle: 1:1

Medium: HSL750;Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.891 \text{ S/m}$ ;  $\epsilon_r = 41.293$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.59, 10.59, 10.59); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) =  $0.582 \text{ W/kg}$

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $11.52 \text{ V/m}$ ; Power Drift =  $0.03 \text{ dB}$

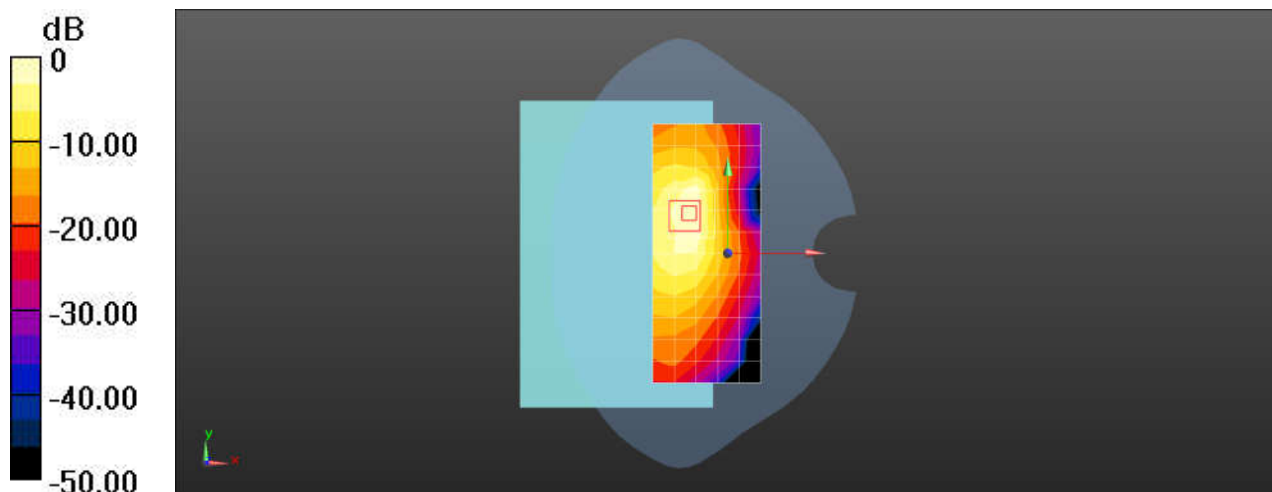
Peak SAR (extrapolated) =  $1.19 \text{ W/kg}$

**SAR(1 g) =  $0.419 \text{ W/kg}$ ; SAR(10 g) =  $0.204 \text{ W/kg}$**

Smallest distance from peaks to all points 3 dB below =  $8 \text{ mm}$

Ratio of SAR at M2 to SAR at M1 =  $35.4\%$

Maximum value of SAR (measured) =  $0.797 \text{ W/kg}$



$0 \text{ dB} = 0.582 \text{ W/kg} = -2.35 \text{ dBW/kg}$

Test Laboratory: SGS-SAR Lab

## TFB1B LTE Band 25 QPSK 20M 1RB0 26365CH Back side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: HSL1950; Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.346$  S/m;  $\epsilon_r = 38.891$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.45, 8.45, 8.45); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.263 W/kg

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

Reference Value = 6.884 V/m; Power Drift = 0.02 dB

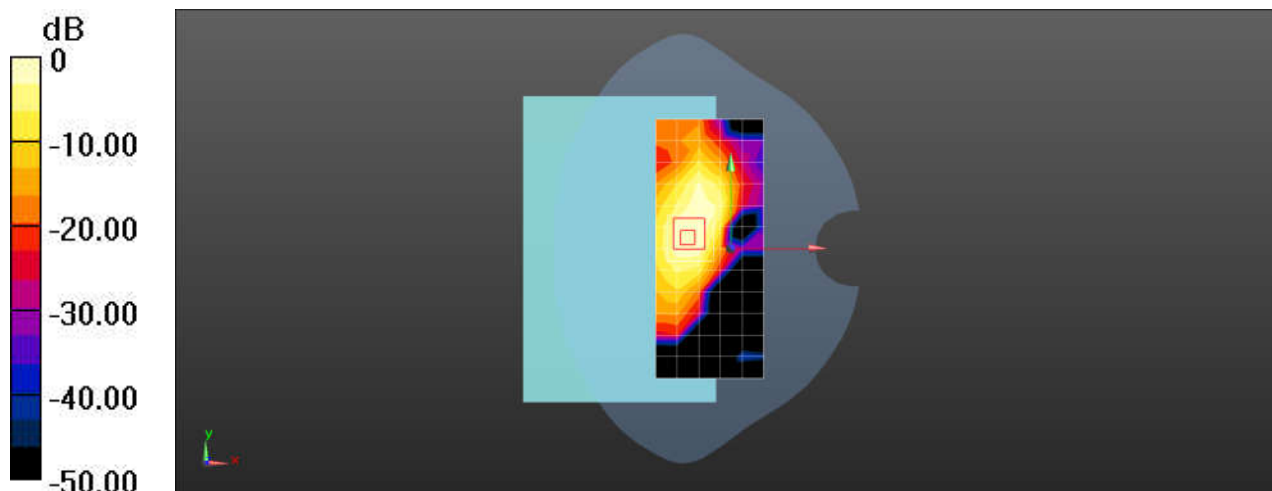
Peak SAR (extrapolated) = 0.426 W/kg

**SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.093 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 44%

Maximum value of SAR (measured) = 0.337 W/kg



0 dB = 0.263 W/kg = -5.80 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B LTE Band 26 QPSK 15M 1RB0 26865CH Back side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium: HSL835;Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.904$  S/m;  $\epsilon_r = 42.123$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.19, 10.19, 10.19); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.599 W/kg

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

Reference Value = 11.68 V/m; Power Drift = 0.03 dB

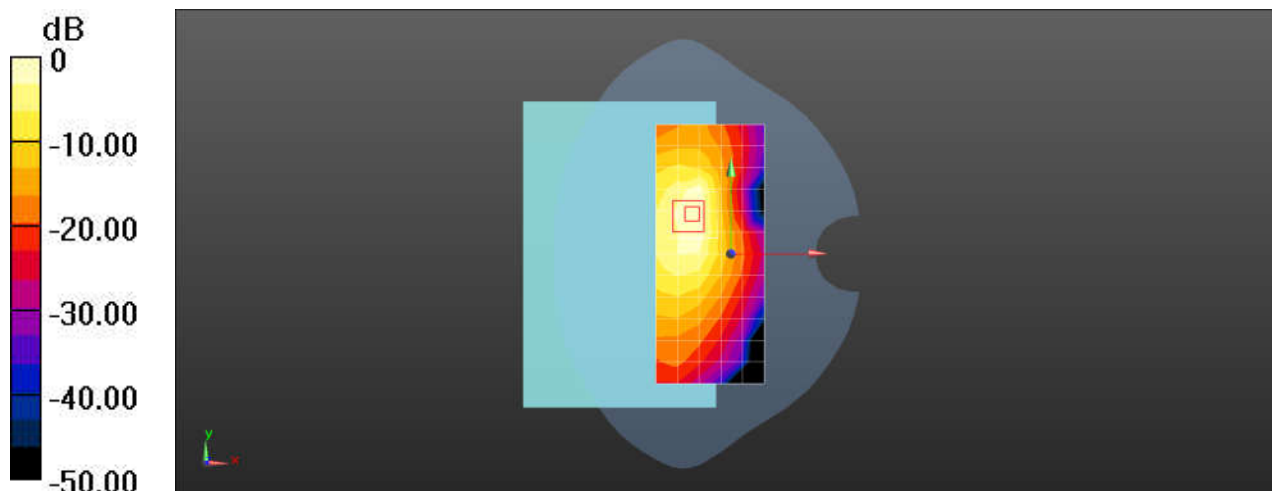
Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.211 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 35.8%

Maximum value of SAR (measured) = 0.821 W/kg



0 dB = 0.599 W/kg = -2.22 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B LTE Band 30 QPSK 10M 1RB0 27710CH Back side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 2310 MHz;Duty Cycle: 1:1

Medium: HSL2300;Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.7$  S/m;  $\epsilon_r = 38.491$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.24, 8.24, 8.24); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (7x16x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.561 W/kg

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

Reference Value = 8.590 V/m; Power Drift = 0.04 dB

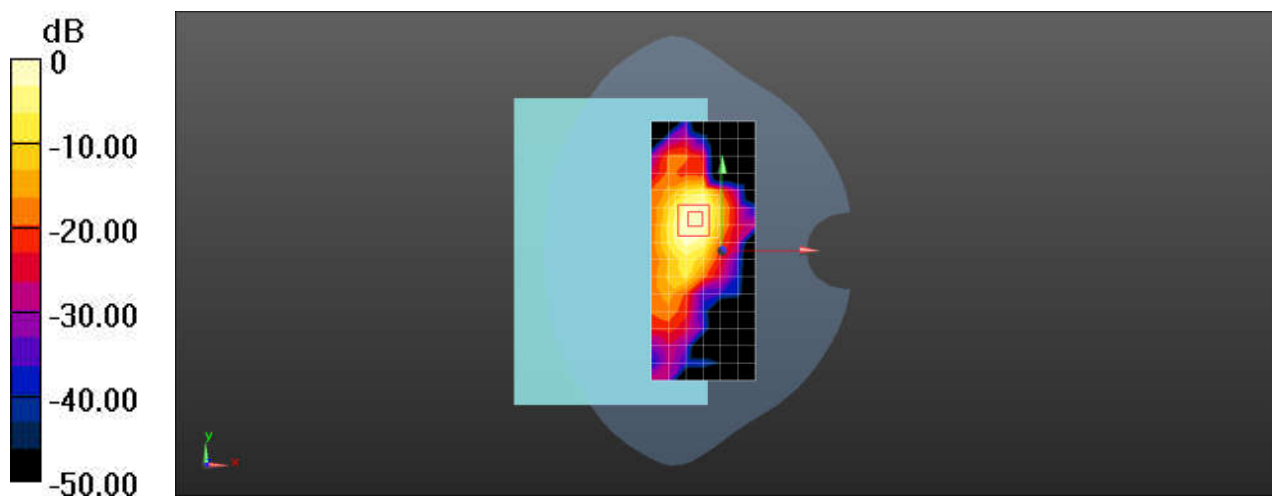
Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.211 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.3 mm

Ratio of SAR at M2 to SAR at M1 = 41.7%

Maximum value of SAR (measured) = 0.983 W/kg



0 dB = 0.561 W/kg = -2.51 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B LTE Band 41 QPSK 20M 1RB0 40620CH Top side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium: HSL2600;Medium parameters used:  $f = 2593$  MHz;  $\sigma = 2.02$  S/m;  $\epsilon_r = 38.232$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.79, 7.79, 7.79); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (7x16x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.310 W/kg

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

Reference Value = 3.938 V/m; Power Drift = 0.01 dB

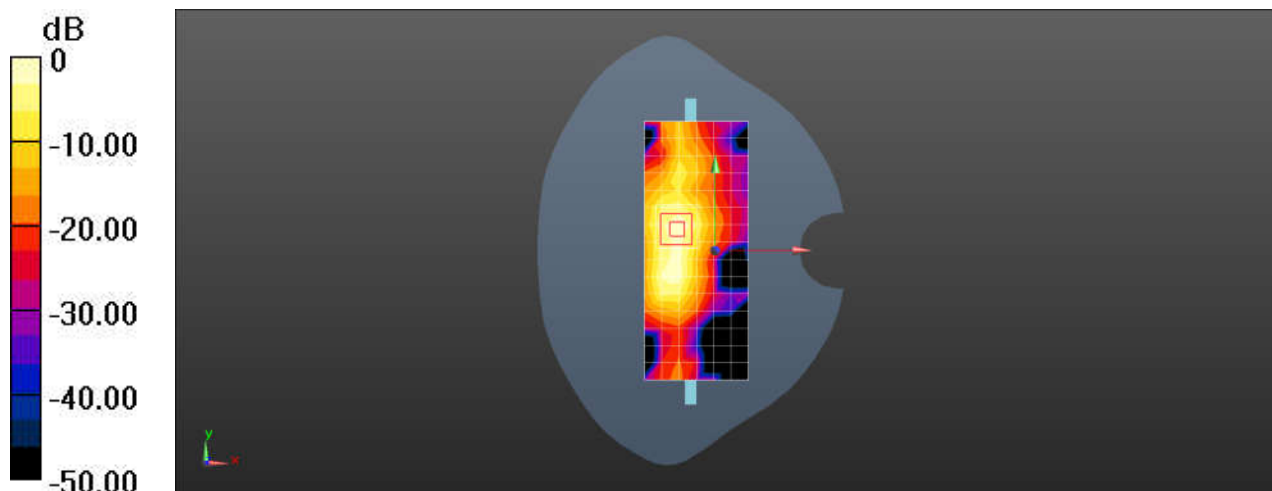
Peak SAR (extrapolated) = 0.508 W/kg

**SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.094 W/kg**

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 45.6%

Maximum value of SAR (measured) = 0.396 W/kg



0 dB = 0.310 W/kg = -5.09 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B LTE Band 66 QPSK 20M 1RB0 132322CH Back side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz;Duty Cycle: 1:1

Medium: HSL1750;Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.322$  S/m;  $\epsilon_r = 38.517$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.8, 8.8, 8.8); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.282 W/kg

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

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

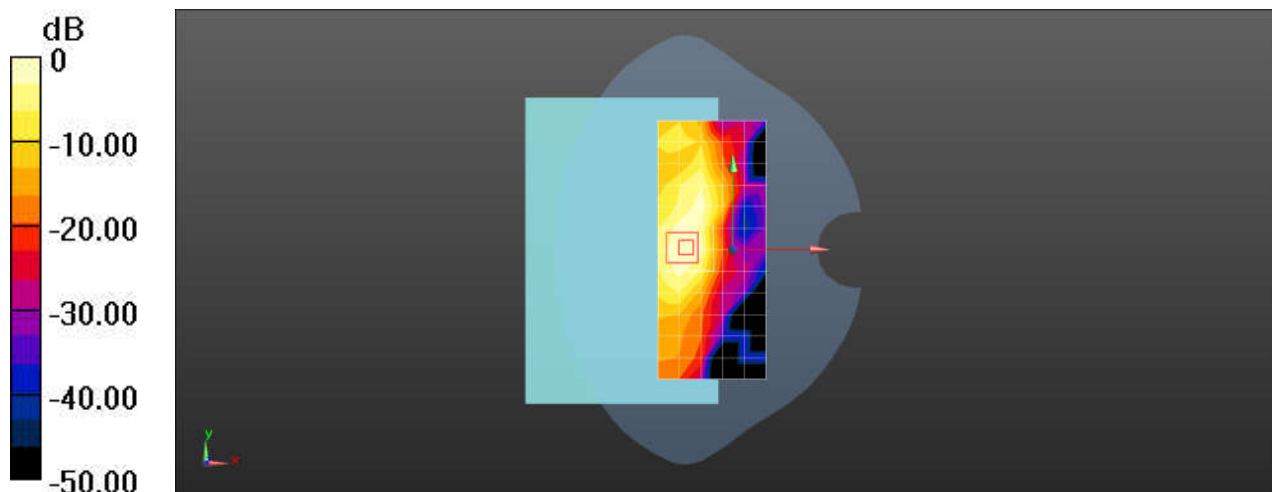
Peak SAR (extrapolated) = 0.493 W/kg

**SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.101 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 39.5%

Maximum value of SAR (measured) = 0.360 W/kg



0 dB = 0.282 W/kg = -5.49 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B LTE Band 71 QPSK 20M 1RB0 133322CH Back side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 683 MHz;Duty Cycle: 1:1

Medium: HSL750;Medium parameters used:  $f = 683 \text{ MHz}$ ;  $\sigma = 0.876 \text{ S/m}$ ;  $\epsilon_r = 42.482$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.59, 10.59, 10.59); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) =  $0.836 \text{ W/kg}$

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $10.53 \text{ V/m}$ ; Power Drift =  $0.08 \text{ dB}$

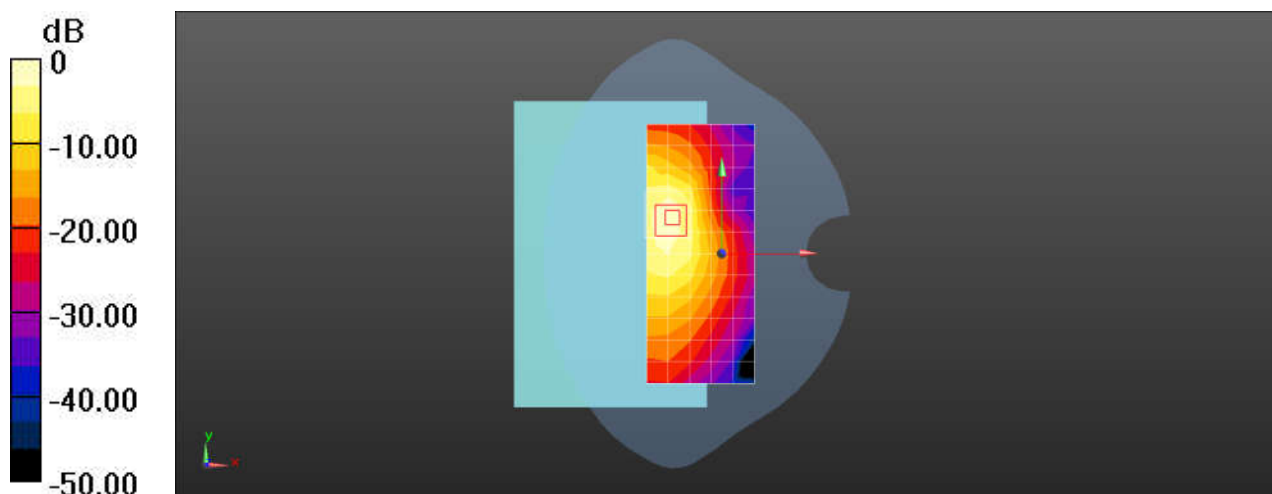
Peak SAR (extrapolated) =  $1.48 \text{ W/kg}$

**SAR(1 g) =  $0.513 \text{ W/kg}$ ; SAR(10 g) =  $0.247 \text{ W/kg}$**

Smallest distance from peaks to all points 3 dB below =  $8.2 \text{ mm}$

Ratio of SAR at M2 to SAR at M1 =  $40.6\%$

Maximum value of SAR (measured) =  $0.864 \text{ W/kg}$



$0 \text{ dB} = 0.836 \text{ W/kg} = -0.78 \text{ dBW/kg}$

Test Laboratory: SGS-SAR Lab

## TFB1B WIFI2.4G 802.11b 6CH Top side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1.016

Medium: HSL2450;Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.837$  S/m;  $\epsilon_r = 38.053$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.98, 7.98, 7.98); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (7x16x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.570 W/kg

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

Reference Value = 3.299 V/m; Power Drift = 0.01 dB

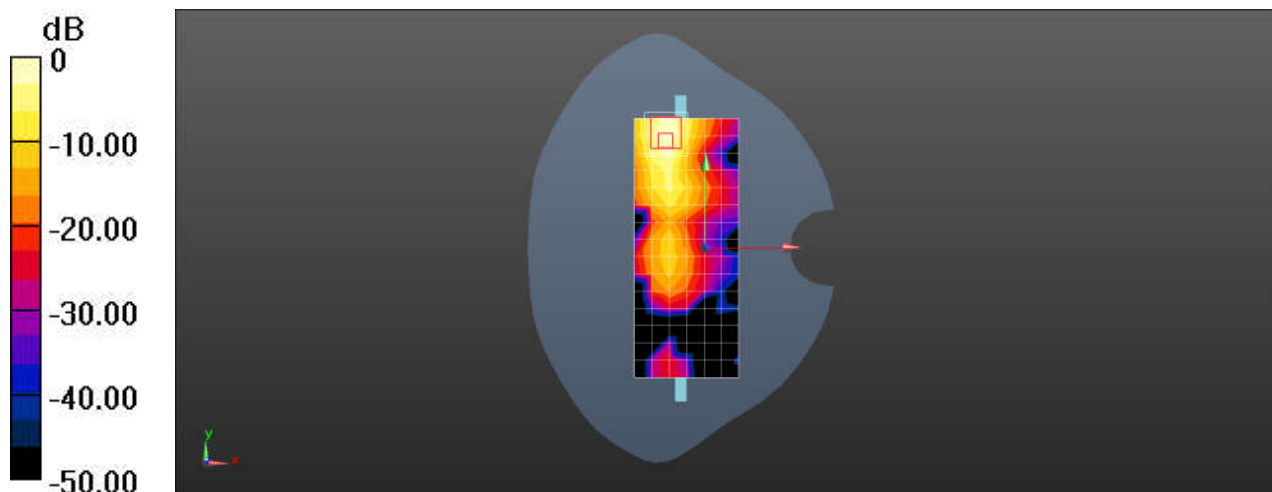
Peak SAR (extrapolated) = 0.743 W/kg

**SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.142 W/kg**

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 42.1%

Maximum value of SAR (measured) = 0.579 W/kg



0 dB = 0.570 W/kg = -2.44 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B WIFI5G 802.11a 60CH Top side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5300 MHz; Duty Cycle: 1:1.053

Medium: HSL5G; Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.857$  S/m;  $\epsilon_r = 35.845$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.6, 5.6, 5.6); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (9x19x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 1.28 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

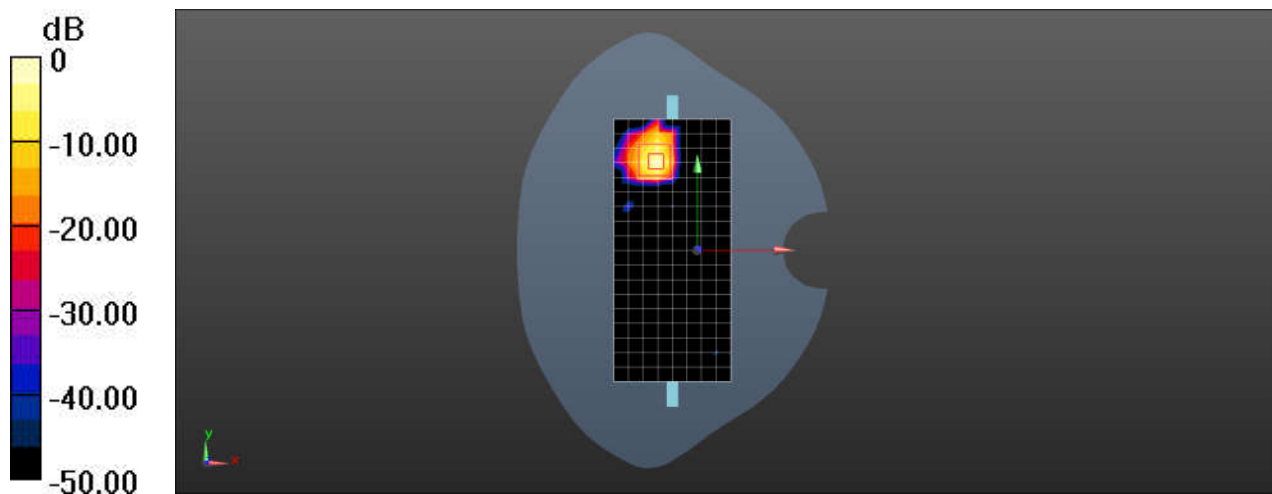
Peak SAR (extrapolated) = 2.13 W/kg

**SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.099 W/kg**

Smallest distance from peaks to all points 3 dB below = 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 64.1%

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.28 W/kg = 1.08 dBW/kg

Test Laboratory: SGS-SAR Lab

## TFB1B WIFI5G 802.11a 116CH Top side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5580 MHz; Duty Cycle: 1:1.053

Medium: HSL5G; Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.154$  S/m;  $\epsilon_r = 35.103$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5, 5, 5); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (9x19x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.787 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.10 dB

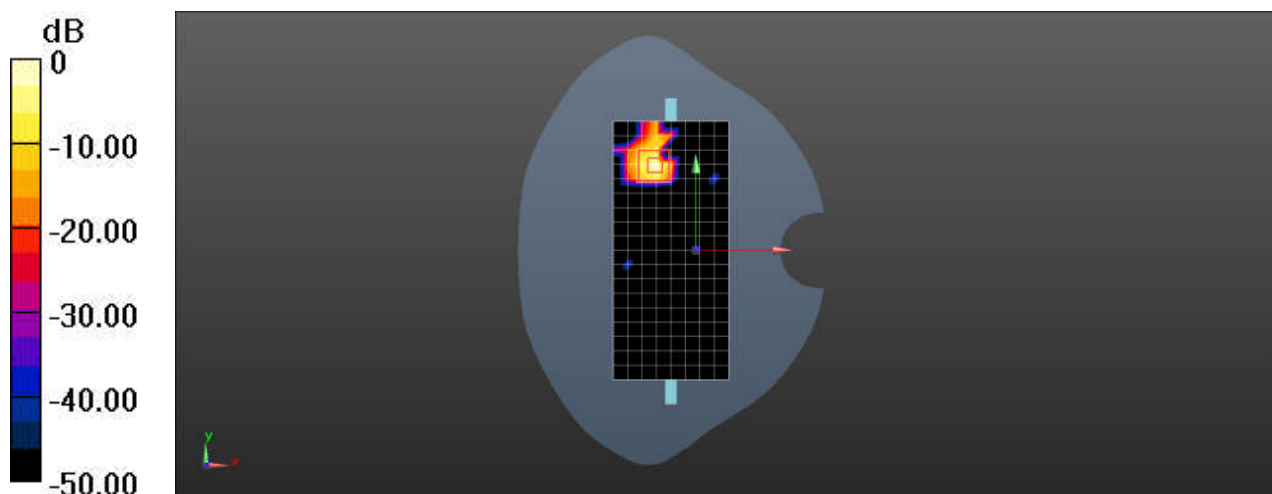
Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.053 W/kg**

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 62.7%

Maximum value of SAR (measured) = 0.764 W/kg



Test Laboratory: SGS-SAR Lab

## TFB1B WIFI5G 802.11n-HT40 151CH Top side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5755 MHz; Duty Cycle: 1:1.117

Medium: HSL5G; Medium parameters used:  $f = 5755$  MHz;  $\sigma = 5.352$  S/m;  $\epsilon_r = 34.626$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.06, 5.06, 5.06); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (9x19x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.686 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.05 dB

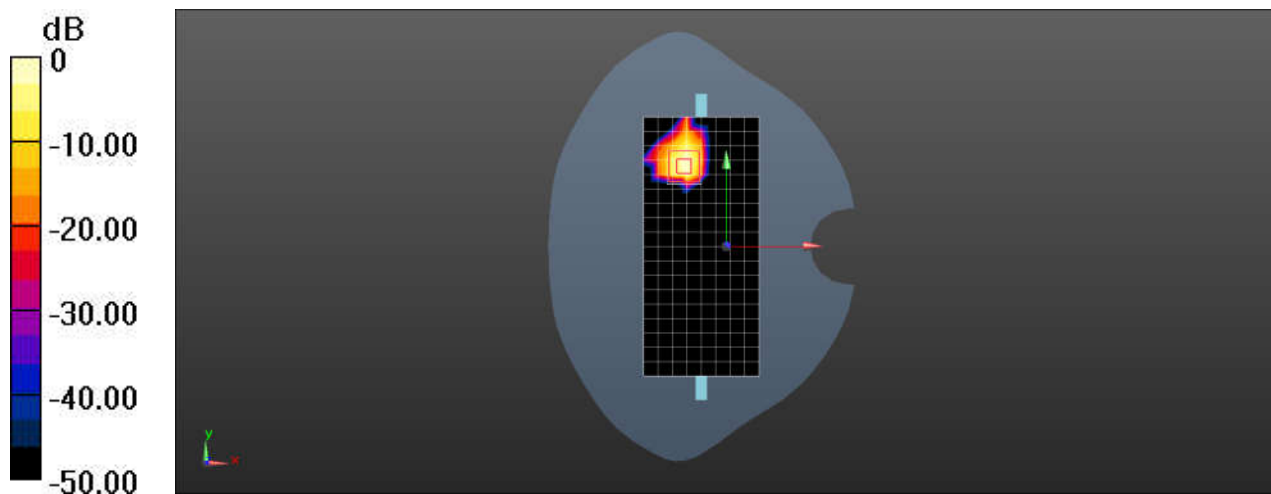
Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.069 W/kg**

Smallest distance from peaks to all points 3 dB below = 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 65.2%

Maximum value of SAR (measured) = 0.927 W/kg



**WIFI6G 802.11ax 80M 103CH Top side 0mm**

Communication System: U-NII-6; Frequency: 6465.000

Medium: Head Simulating Liquid. Medium parameters used:  $f = 6465.000$  MHz;  $\sigma = 6.22$  S/m;  $\epsilon_r = 33.8$

**DASY8 Configuration:**

- Probe: EX3DV4 - SN7735; ConvF(5.4, 5.62, 5.52); Calibrated: 2025-01-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1826; Calibrated: 2025-02-17
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
- Measurement Software: cDASY8 V16.2.0.1425

**Area Scan (48.0 mm x 153.0 mm):** Measurement Grid: 8.0 mm x 8.5 mm

SAR (1g) = 0.435 W/kg; SAR (8g) = 0.104 W/kg; SAR (10g) = 0.092 W/kg;

**Zoom Scan (23.4 mm x 23.4 mm x 25.0 mm):** Measurement Grid: 2.6 mm x 2.6 mm x 1.2 mm

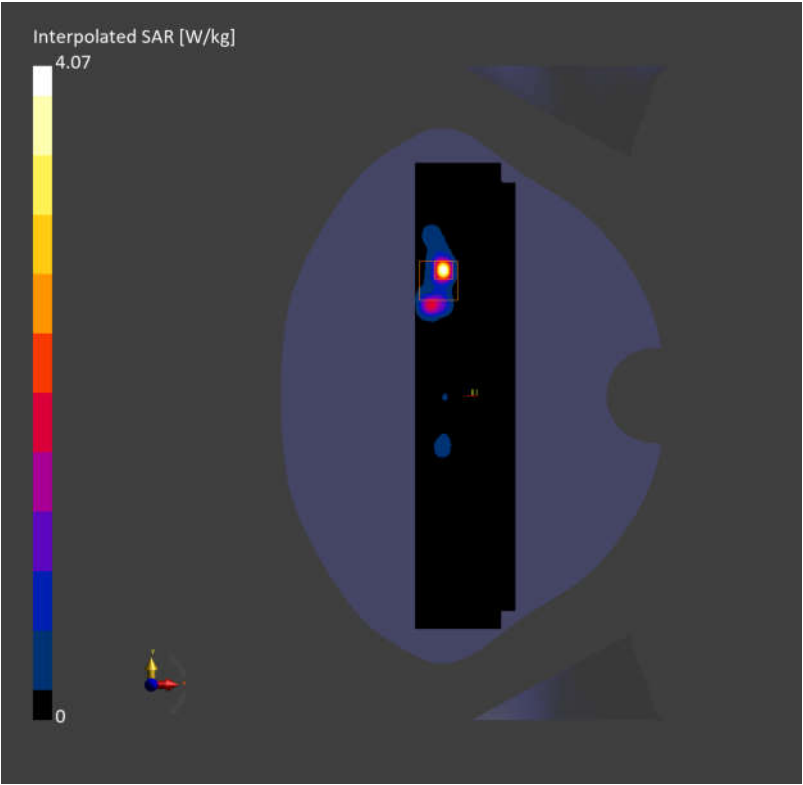
Power Drift = -0.10 dB

**SAR (1g) = 0.392 W/kg; SAR (8g) = 0.088 W/kg; SAR (10g) = 0.078 W/kg;**

psAPD (4.0cm<sup>2</sup>, sq) [W/m<sup>2</sup>] 1.77

M2/M1 [%] 61.2

Dist 3dB Peak [mm] 3.7



Test Laboratory: SGS-SAR Lab

## TFB1B Bluetooth DH5 39CH Top side 0mm

**DUT: TFB1B; Type: Wireless Data Terminal; Serial: 865647070001369**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium: HSL2450; Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.847$  S/m;  $\epsilon_r = 38.016$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.98, 7.98, 7.98); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (7x16x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.524 W/kg

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

Reference Value = 3.431 V/m; Power Drift = 0.04 dB

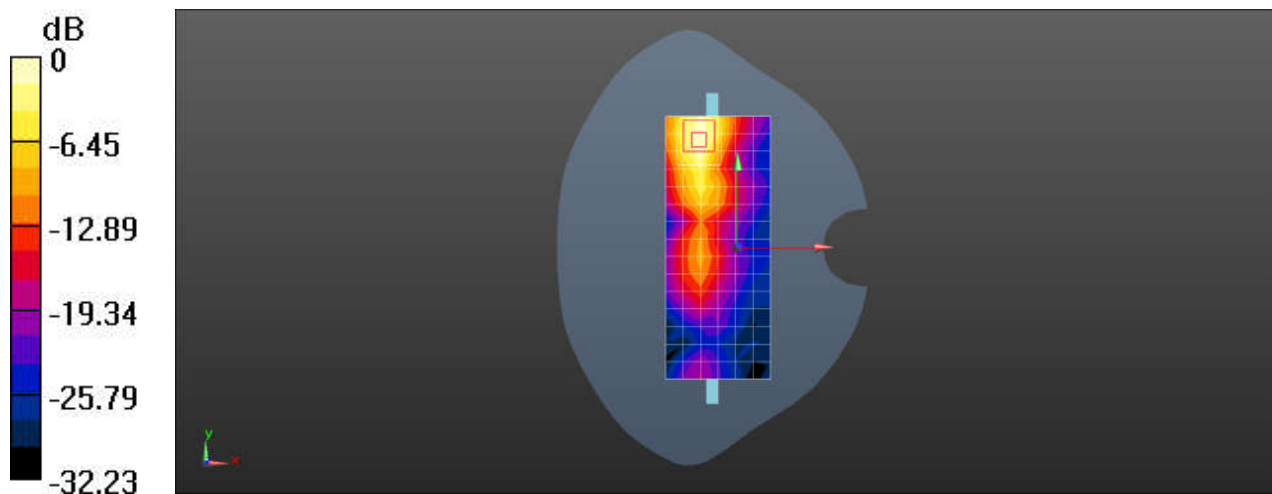
Peak SAR (extrapolated) = 0.719 W/kg

**SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.129 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 44.6%

Maximum value of SAR (measured) = 0.567 W/kg



0 dB = 0.524 W/kg = -2.80 dBW/kg

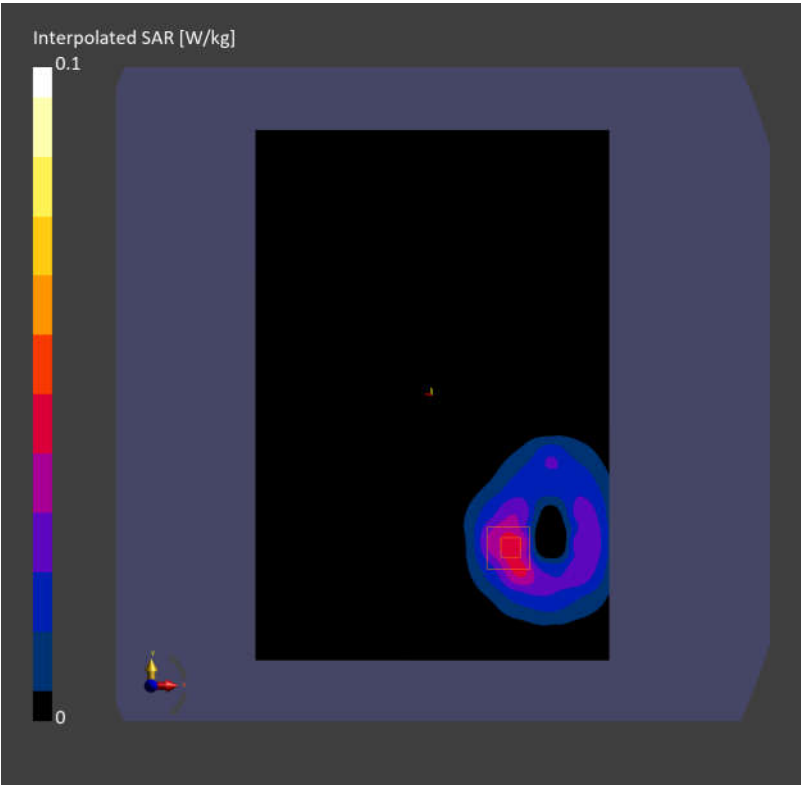
**NFC 13.56MHz Back side 0mm**

Communication System: Custom Band; Frequency: 13.600  
Medium: HSL. Medium parameters used:  $f=13.600\text{ MHz}$ ;  $\sigma=0.726\text{ S/m}$ ;  $\epsilon_r=54.5$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7735; ConvF(13.68, 13.51, 13.73); Calibrated: 2025-01-29
  - Sensor-Surface: 1.4 mm
  - Electronics: DAE4ip Sn1826; Calibrated: 2025-02-17
  - Phantom: ELI V8.0 (20deg probe tilt); Serial: 2217
  - Measurement Software: cDASY8 V16.4.0.5005

**Area Scan (180.0 mm x 270.0 mm):** Measurement Grid: 15.0 mm x 15.0 mm  
SAR (1g) = 0.025 W/kg; SAR (10g) = 0.004 W/kg;

**Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm):** Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm  
Power Drift = 0.08 dB  
**SAR (1g) = 0.029 W/kg; SAR (10g) = 0.007 W/kg;**  
M2/M1 [%] 65.2  
Dist 3dB Peak [mm] 9.7





**SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.**

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Rev.: 01

Page: 23 of 23

- End of the Appendix -