



Appendix B

Detailed Test Results

1. GSM
GSM850 for Head& Body
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2. WCDMA
WCDMA Band II for Head& Body
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3. LTE
LTE Band 12 for Head& Body
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WIFI 2.4GHz for Head& Body
WIFI 5.2GHz for Head& Body
WIFI 5.8GHz for Head& Body





Date: 2024/6/5

Test Laboratory: LCS-SAR Lab

GSM 850 190CH Left Cheek**DUT: Smart Phone; Type: HPPL63A; Serial: A05144196-1**

Communication System: UID 0, GSM (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 41.785$; $\rho = 1000$ kg/m³

Phantom section: Left 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 (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.238 W/kg

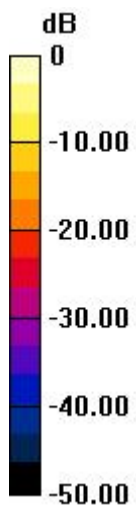
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.574 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.242 W/kg



0 dB = 0.242 W/kg = -6.16 dBW/kg



Date: 2024/6/5

Test Laboratory: LCS-SAR Lab

GSM 850 GPRS 3TX 190CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

Communication System: UID 0, GPRS (0); Frequency: 836.6 MHz; Duty Cycle: 1: 2.77

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 41.785$; $\rho = 1000$ kg/m³

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) = 0.436 W/kg

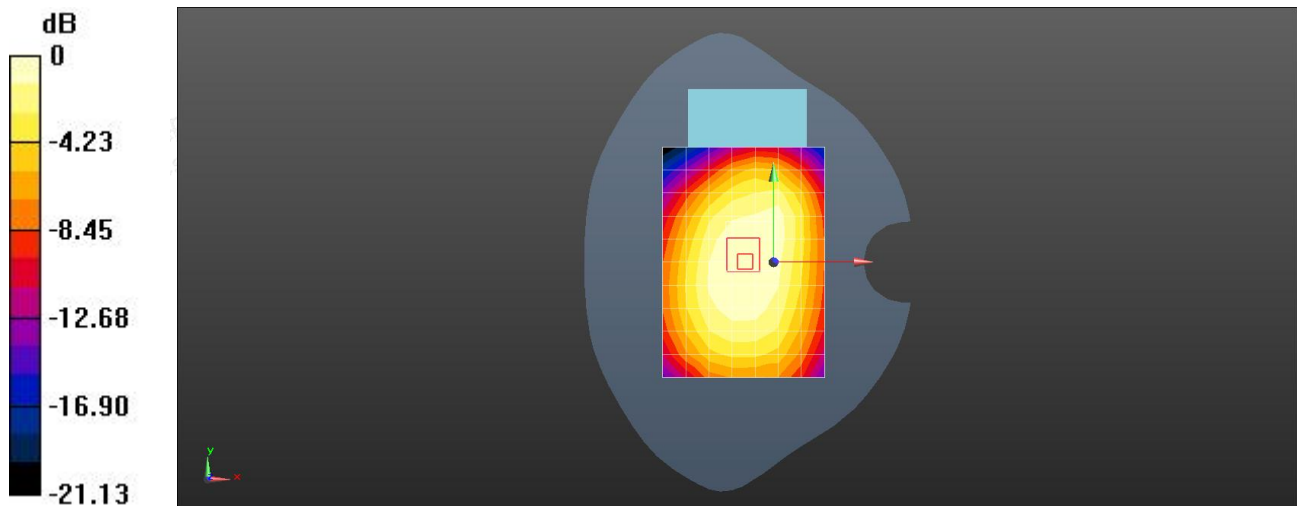
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.52 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.478 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.267 W/kg

Maximum value of SAR (measured) = 0.444 W/kg



0 dB = 0.444 W/kg = -3.53 dBW/kg



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Date: 2024/6/7

Test Laboratory: LCS-SAR Lab

GSM 1900 661CH Left Cheek

DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.433$ S/m; $\epsilon_r = 40.254$; $\rho = 1000$ kg/m³

Phantom section: Left 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 (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.079 W/kg

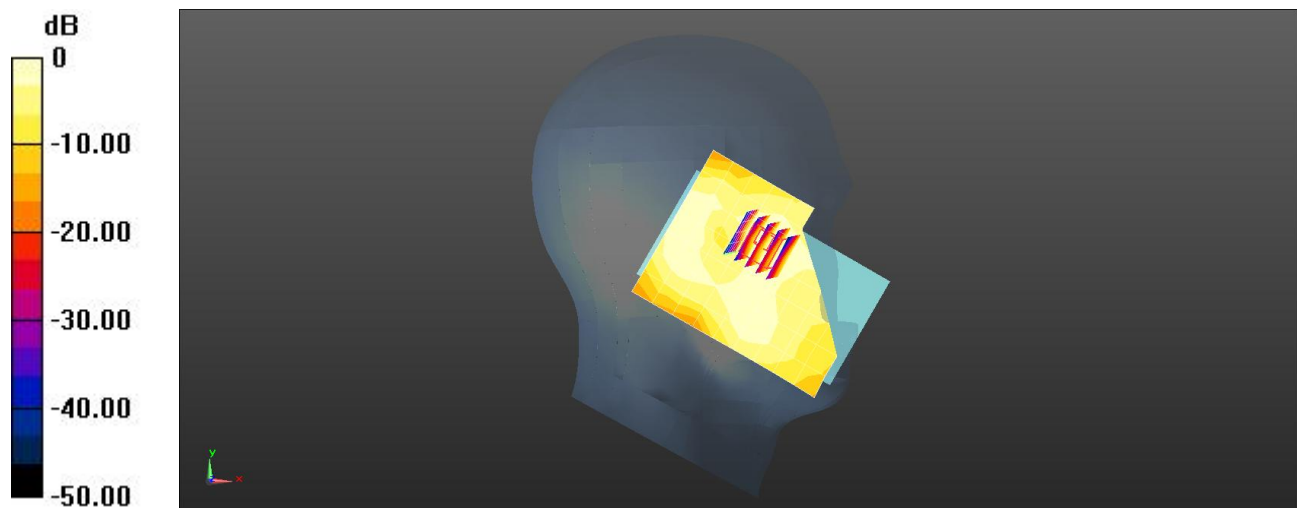
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.774 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.089 W/kg

SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.066 W/kg

Maximum value of SAR (measured) = 0.082 W/kg



0 dB = 0.082 W/kg = -10.86 dBW/kg



Date: 2024/6/7

Test Laboratory: LCS-SAR Lab

GSM 1900 GPRS 2TX 661CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

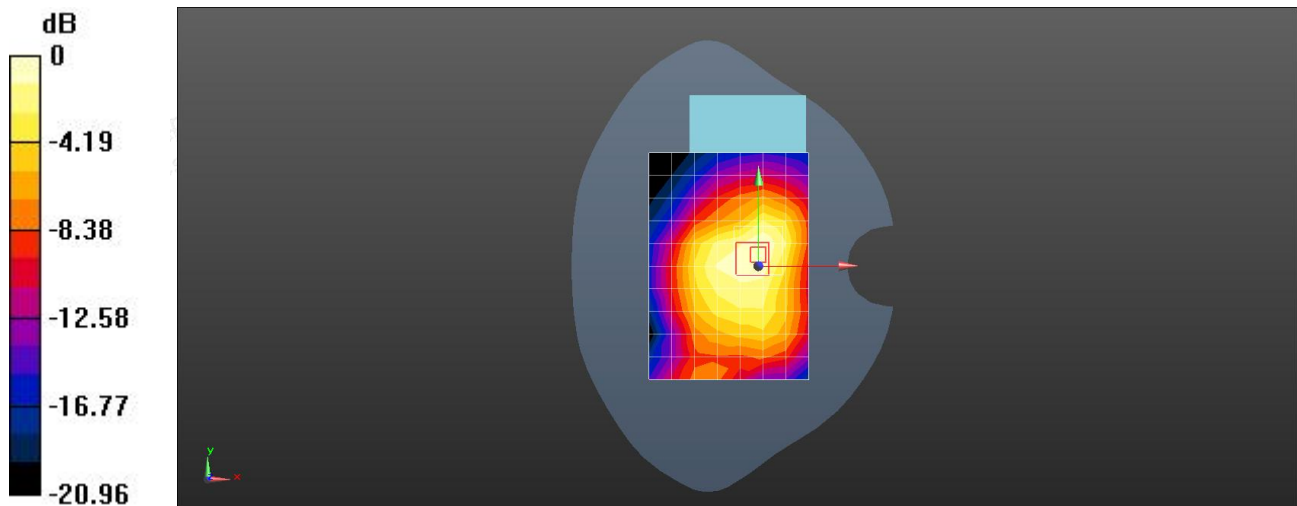
Communication System: UID 0, GPRS (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.433 \text{ S/m}$; $\epsilon_r = 40.254$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.265 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 V/m ; Power Drift = -0.07 dB Peak SAR (extrapolated) = 0.283 W/kg **SAR(1 g) = 0.177 W/kg ; SAR(10 g) = 0.106 W/kg** Maximum value of SAR (measured) = 0.277 W/kg  $0 \text{ dB} = 0.277 \text{ W/kg} = -5.58 \text{ dBW/kg}$ 

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Date: 2024/6/7

Test Laboratory: LCS-SAR Lab

WCDMA Band II RMC 9400CH Left Cheek**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.433$ S/m; $\epsilon_r = 40.254$; $\rho = 1000$ kg/m³

Phantom section: Left 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 (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.126 W/kg

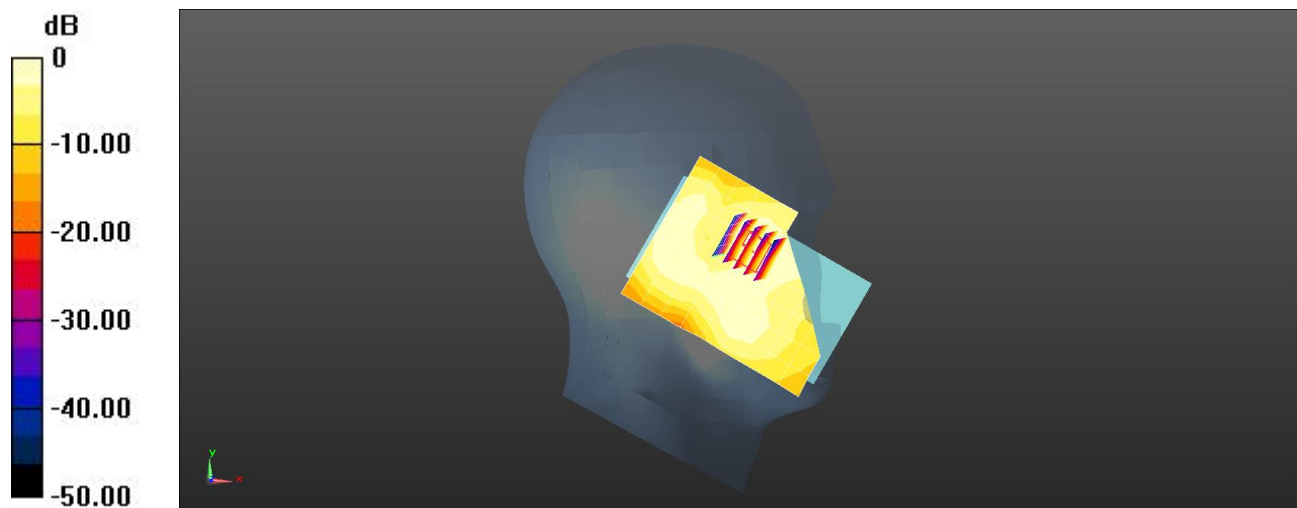
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.114 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.136 W/kg



0 dB = 0.136 W/kg = -8.66 dBW/kg



Date: 2024/6/7

Test Laboratory: LCS-SAR Lab

WCDMA Band II RMC 9400CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

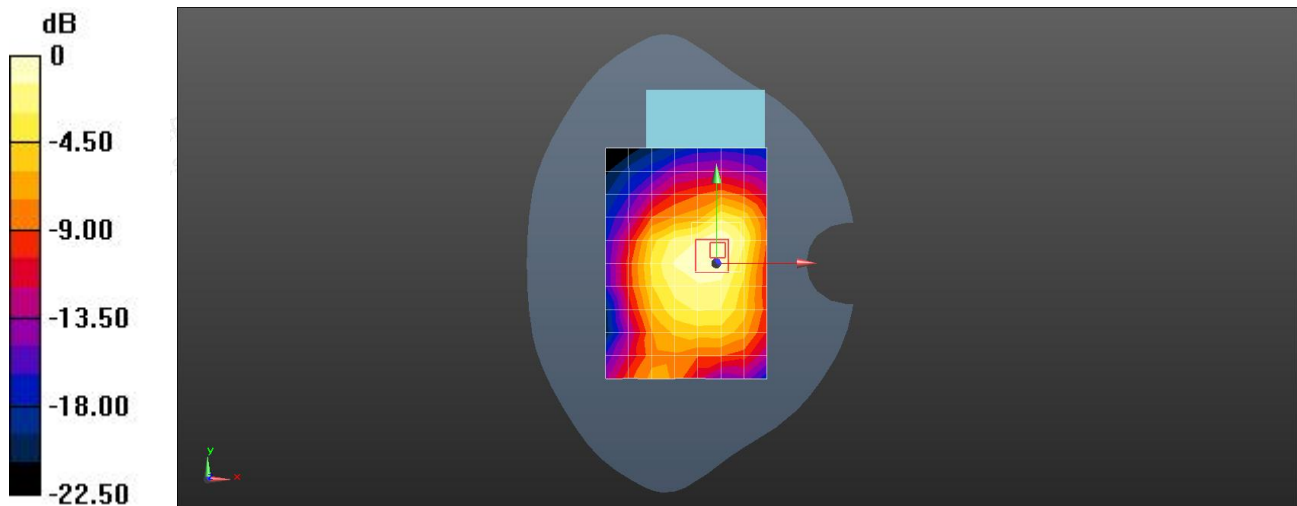
Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.433 \text{ S/m}$; $\epsilon_r = 40.254$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.333 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 = 12.85 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  $0 \text{ dB} = 0.344 \text{ W/kg} = -4.36 \text{ dBW/kg}$ 

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Test Laboratory: LCS-SAR Lab

WCDMA Band IV RCM 1513CH Left Cheek

DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1

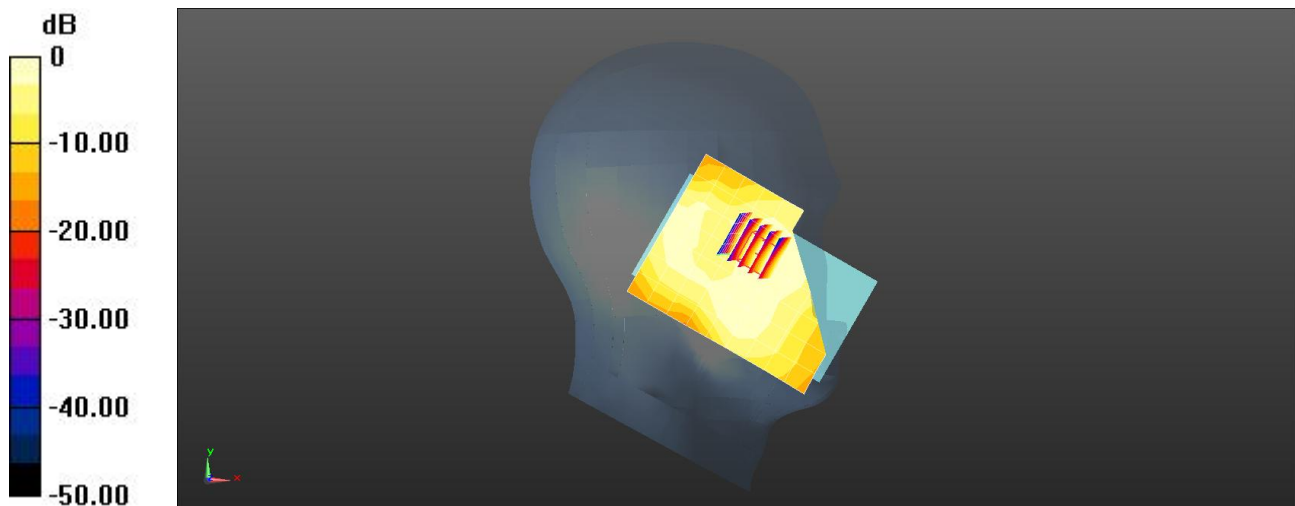
Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1752.6$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 40.386$; $\rho = 1000$ kg/m³
Phantom section: Left Section

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 (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.242 W/kg

Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.368 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.247 W/kg
SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.114 W/kg
Maximum value of SAR (measured) = 0.269 W/kg



0 dB = 0.269 W/kg = -5.70 dBW/kg



Date: 2024/6/6

Test Laboratory: LCS-SAR Lab

WCDMA Band IV RCM 1513CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1752.6$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 40.386$; $\rho = 1000$ kg/m³

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

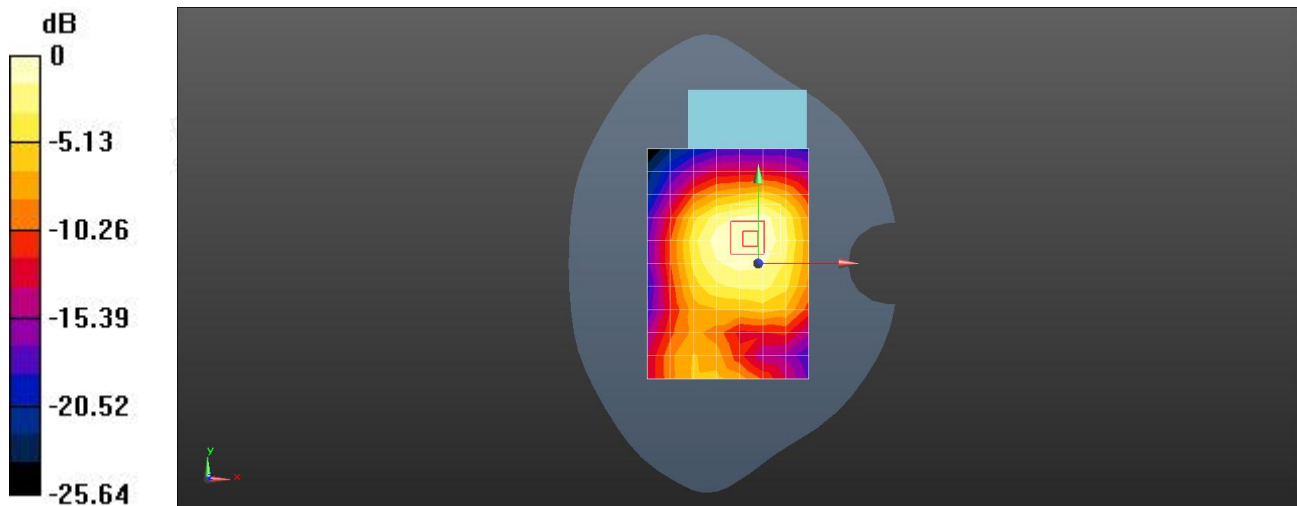
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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



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Date: 2024/6/5

Test Laboratory: LCS-SAR Lab

WCDMA Band V RCM 4182CH Left Cheek**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 41.430$; $\rho = 1000$ kg/m³

Phantom section: Left 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 (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.265 W/kg

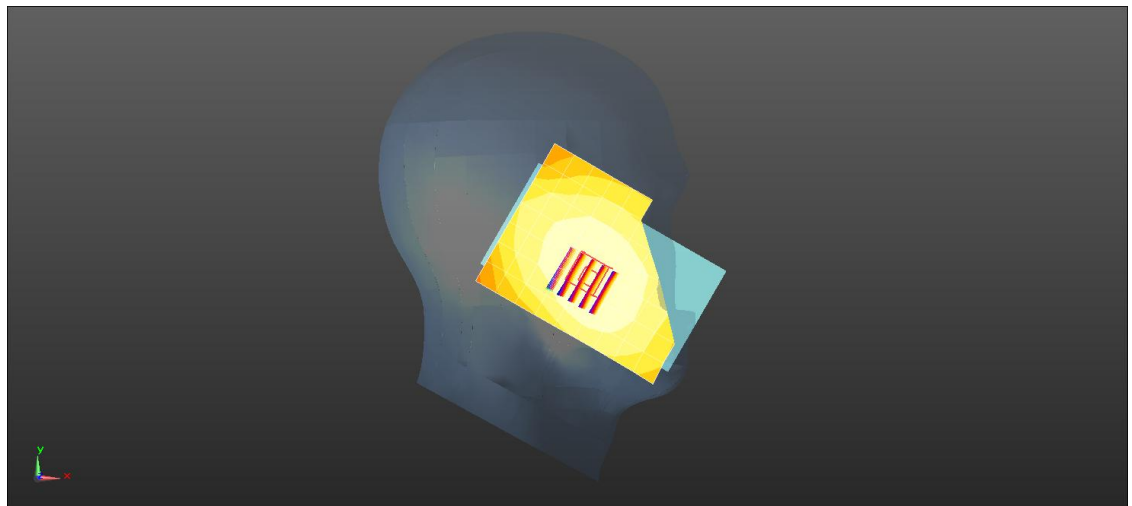
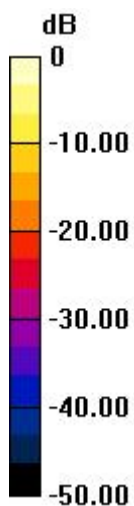
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.742 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.311 W/kg

SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.187 W/kg

Maximum value of SAR (measured) = 0.286 W/kg



0 dB = 0.286 W/kg = -5.44 dBW/kg



Date: 2024/6/5

Test Laboratory: LCS-SAR Lab

WCDMA Band V RCM 4182CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 41.430$; $\rho = 1000$ kg/m³

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

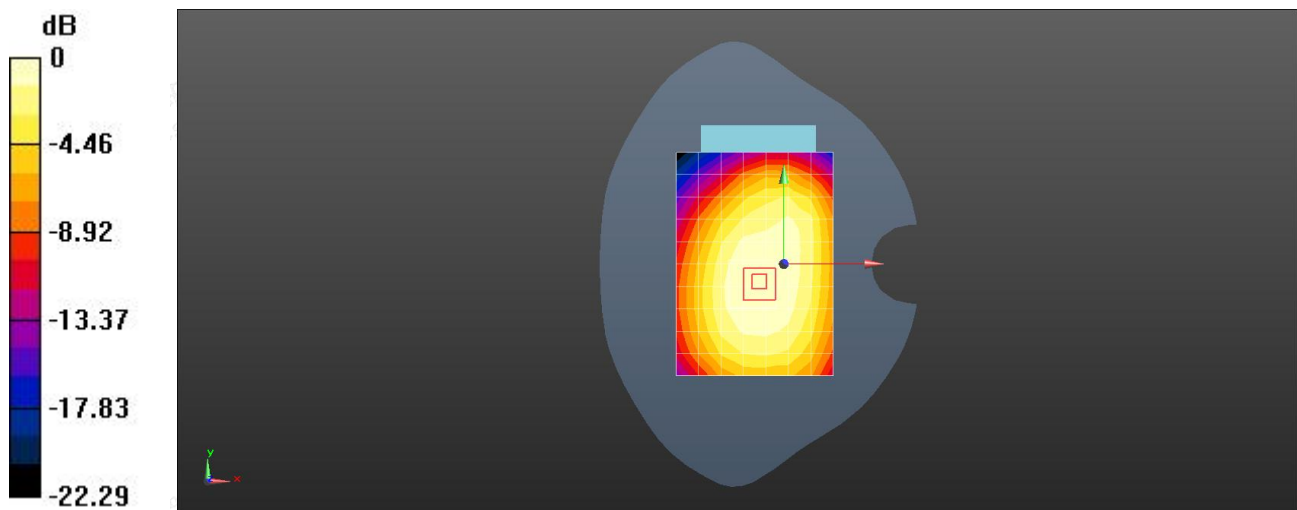
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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



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Date: 2024/6/4

Test Laboratory: LCS-SAR Lab

LTE Band 12 10M QPSK 1RB0 23095CH Left Cheek**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

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

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.883$ S/m; $\epsilon_r = 41.785$; $\rho = 1000$ kg/m³

Phantom section: Left 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 (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.143 W/kg

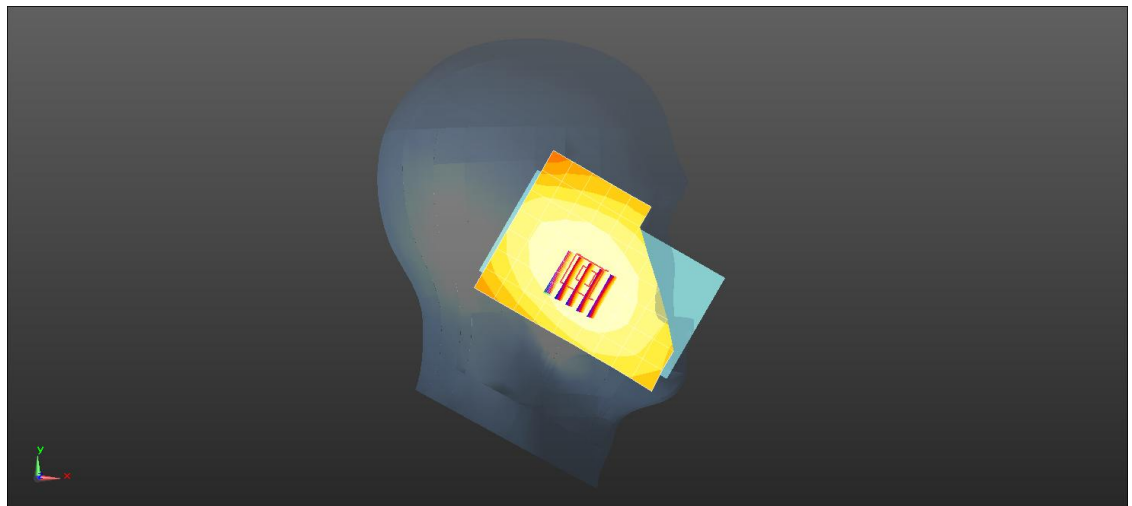
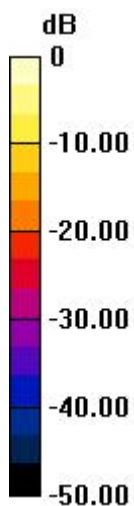
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.752 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.132 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.165 W/kg



0 dB = 0.165 W/kg = -7.83 dBW/kg



Date: 2024/6/4

Test Laboratory: LCS-SAR Lab

LTE Band 12 10M QPSK 1RB0 23095CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

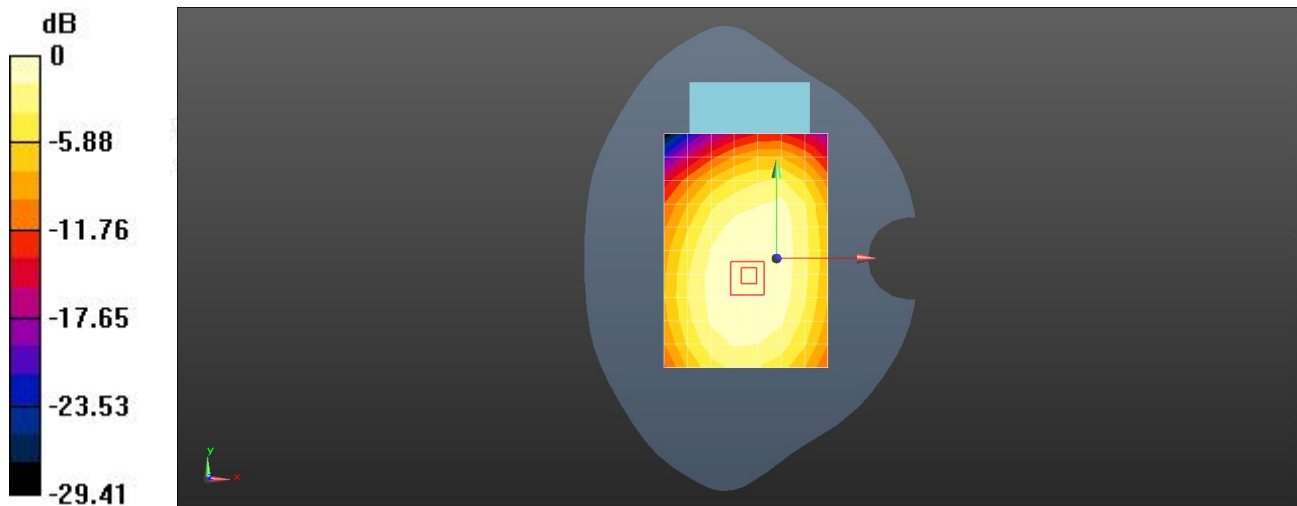
Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 707.5 \text{ MHz}$; $\sigma = 0.883 \text{ S/m}$; $\epsilon_r = 41.785$ $\rho = 1000 \text{ kg/m}^3$

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 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 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 0.135 W/kg **SAR(1 g) = 0.132 W/kg ; SAR(10 g) = 0.084 W/kg** Maximum value of SAR (measured) = 0.127 W/kg  $0 \text{ dB} = 0.127 \text{ W/kg} = -8.96 \text{ dBW/kg}$ 

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Date: 2024/6/7

Test Laboratory: LCS-SAR Lab

LTE Band 25 20M QPSK 1RB0 26140CH Left Cheek**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.386$ S/m; $\epsilon_r = 40.214$; $\rho = 1000$ kg/m³

Phantom section: Left 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 (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.268 W/kg

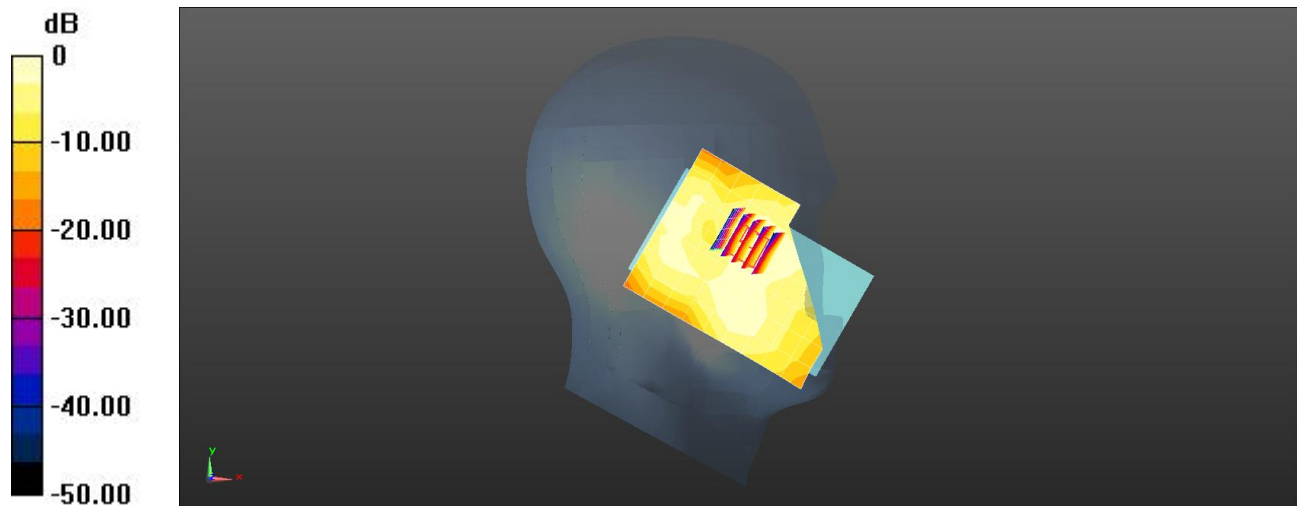
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.689 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.277 W/kg



0 dB = 0.277 W/kg = -5.58 dBW/kg



Date: 2024/6/7

Test Laboratory: LCS-SAR Lab

LTE Band 25 20M QPSK 1RB0 26140CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.386$ S/m; $\epsilon_r = 40.214$; $\rho = 1000$ kg/m³

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

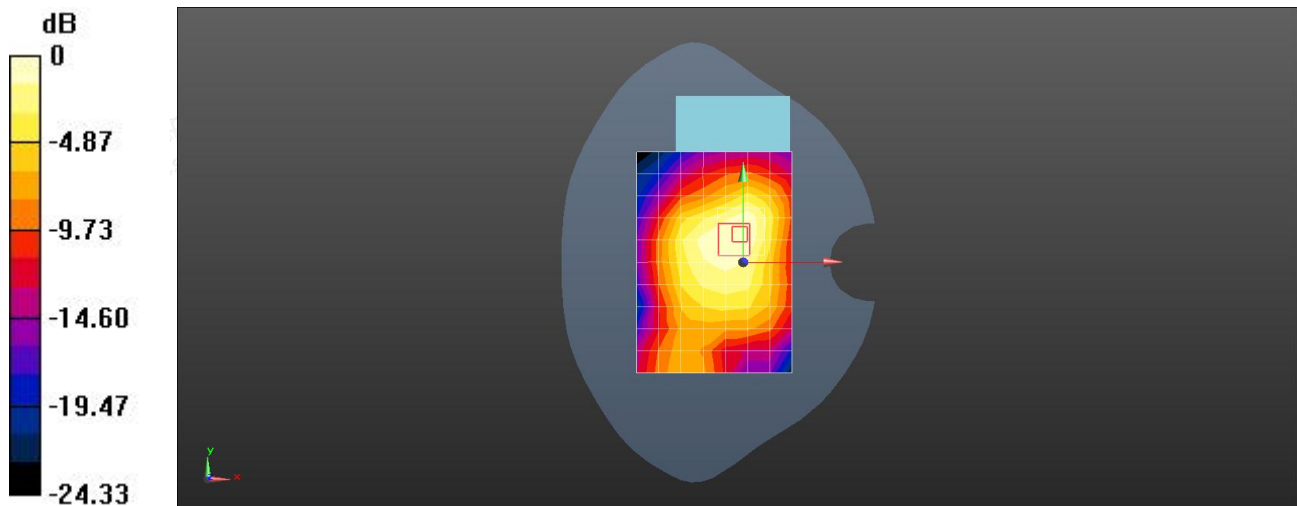
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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



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Test Laboratory: LCS-SAR Lab

LTE Band 26 10M QPSK 1RB24 26740CH Left Cheek

DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1

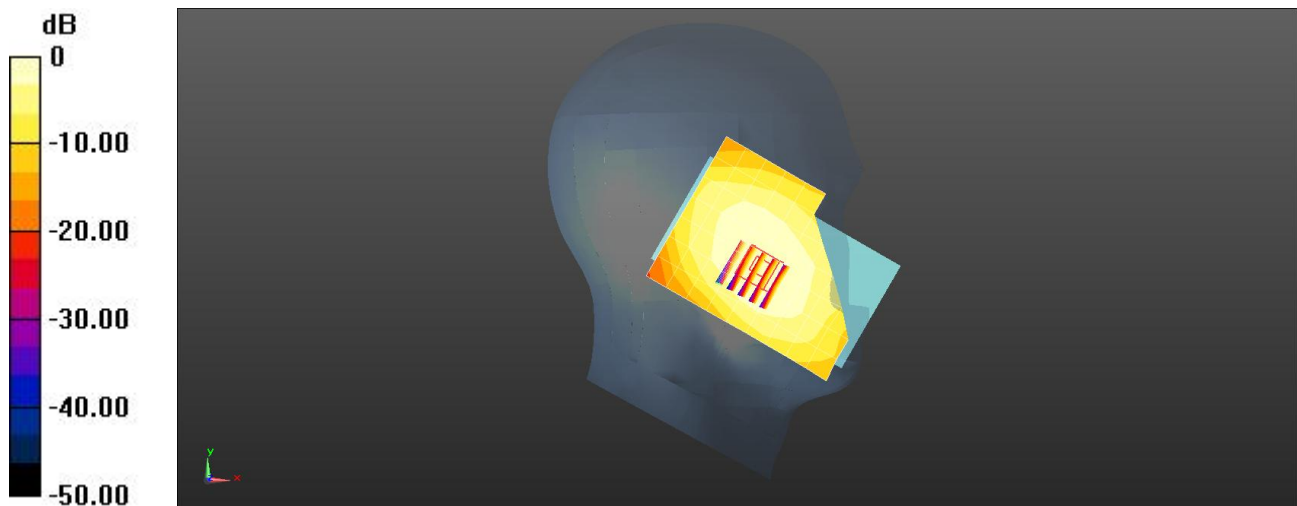
Communication System: UID 0, LTE-FDD (0); Frequency: 819 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 819$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 41.525$; $\rho = 1000$ kg/m³
Phantom section: Left Section

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 (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.241 W/kg

Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.811 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.343 W/kg
SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.179 W/kg
Maximum value of SAR (measured) = 0.226 W/kg



0 dB = 0.226 W/kg = -6.46 dBW/kg



Date: 2024/6/5

Test Laboratory: LCS-SAR Lab

LTE Band 26 10M QPSK 1RB24 26740CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

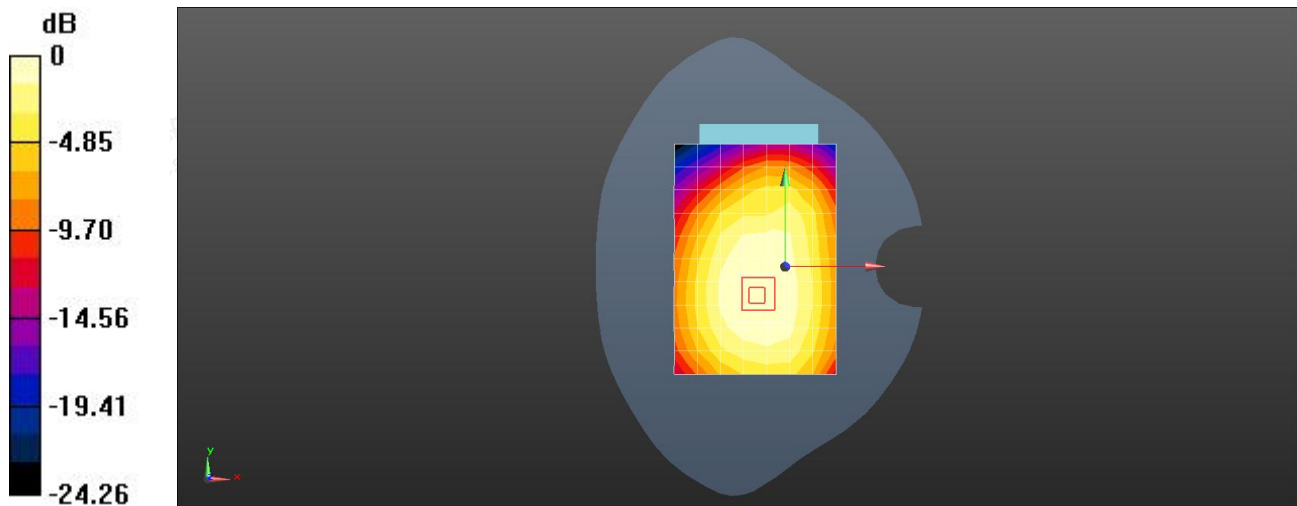
Communication System: UID 0, LTE-FDD (0); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 819 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 41.525$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.389 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 = 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  $0 \text{ dB} = 0.362 \text{ W/kg} = -4.41 \text{ dBW/kg}$ 

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Test Laboratory: LCS-SAR Lab

LTE Band 41 20M QPSK 1RB99 39750CH Left Cheek

DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1

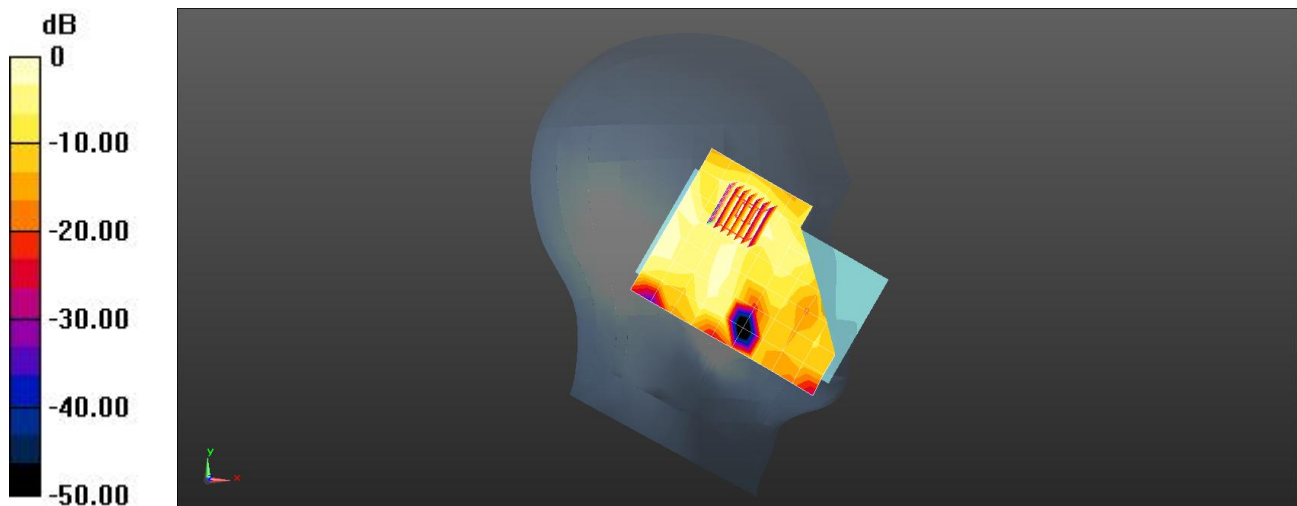
Communication System: UID 0, LTE-TDD (0); Frequency: 2506 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2506$ MHz; $\sigma = 1.996$ S/m; $\epsilon_r = 39.475$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.17, 7.17, 7.17); 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 (8x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.076 W/kg

Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.468 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.237 W/kg
SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.046 W/kg
Maximum value of SAR (measured) = 0.085 W/kg



0 dB = 0.085 W/kg = -10.71 dBW/kg



Date: 2024/6/10

Test Laboratory: LCS-SAR Lab

LTE Band 41 20M QPSK 1RB99 39750CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

Communication System: UID 0, LTE-TDD (0); Frequency: 2506 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2506$ MHz; $\sigma = 1.996$ S/m; $\epsilon_r = 39.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.17, 7.17, 7.17); 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 (9x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.165 W/kg

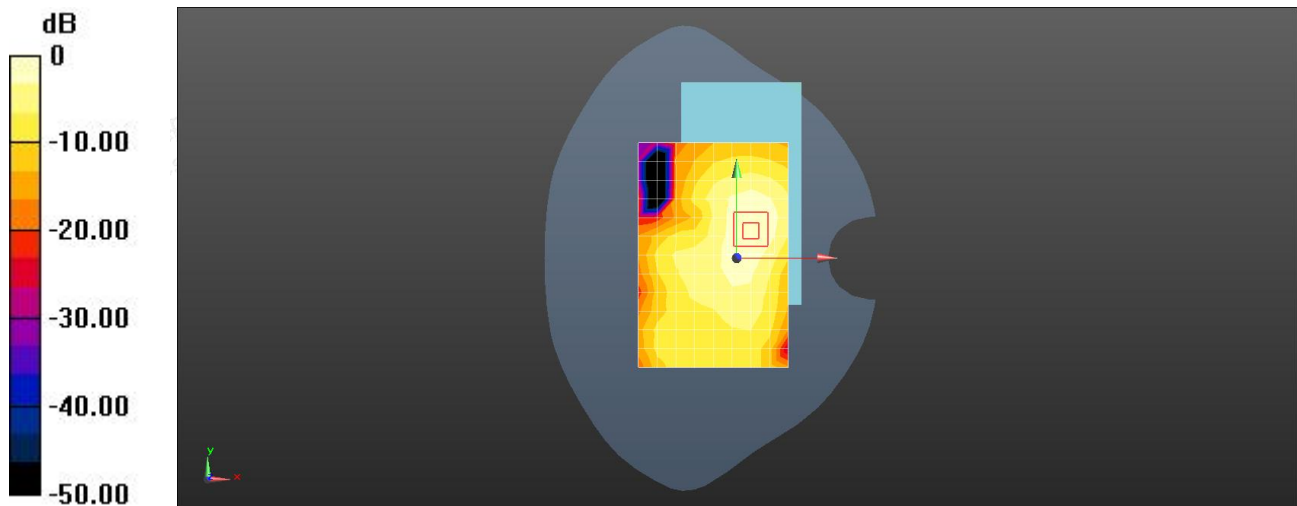
Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.447 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.062 W/kg

Maximum value of SAR (measured) = 0.147 W/kg



0 dB = 0.147 W/kg = -8.33 dBW/kg



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Date: 2024/6/6

Test Laboratory: LCS-SAR Lab

LTE Band 66 20M QPSK 1RB0 132322CH Left Cheek**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

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

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.436$ S/m; $\epsilon_r = 40.115$; $\rho = 1000$ kg/m³

Phantom section: Left 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 (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0725 W/kg

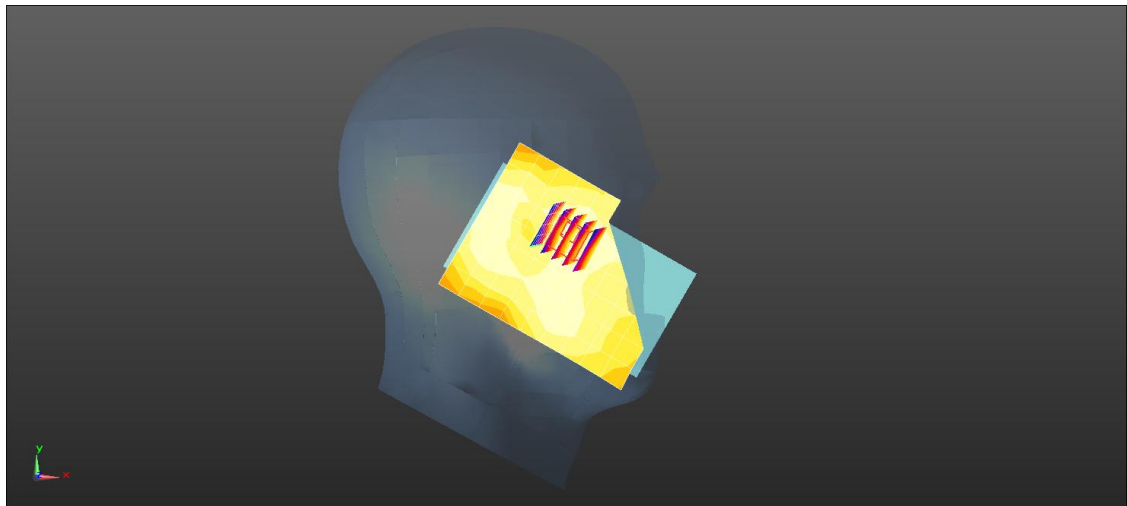
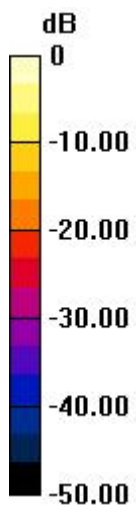
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.475 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.0869 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.074 W/kg

Maximum value of SAR (measured) = 0.0733 W/kg



0 dB = 0.0733 W/kg = -11.35 dBW/kg



Date: 2024/6/6

Test Laboratory: LCS-SAR Lab

LTE Band 66 20M QPSK 1RB0 132322CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

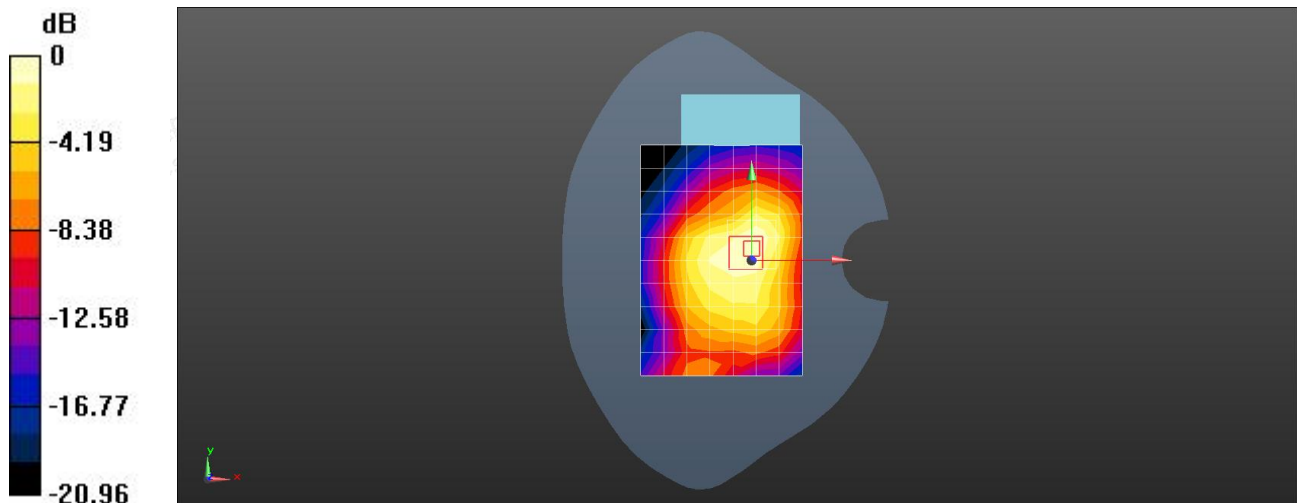
Communication System: UID 0, LTE-FDD (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.436 \text{ S/m}$; $\epsilon_r = 40.115$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.267 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 = 11.15 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  $0 \text{ dB} = 0.245 \text{ W/kg} = -6.11 \text{ dBW/kg}$ 

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Date: 2024/6/4

Test Laboratory: LCS-SAR Lab

LTE Band 71 20M QPSK 1RB49 133222CH Left Cheek**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 673 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 673$ MHz; $\sigma = 0.862$ S/m; $\epsilon_r = 40.564$; $\rho = 1000$ kg/m³

Phantom section: Left 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 (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.363 W/kg

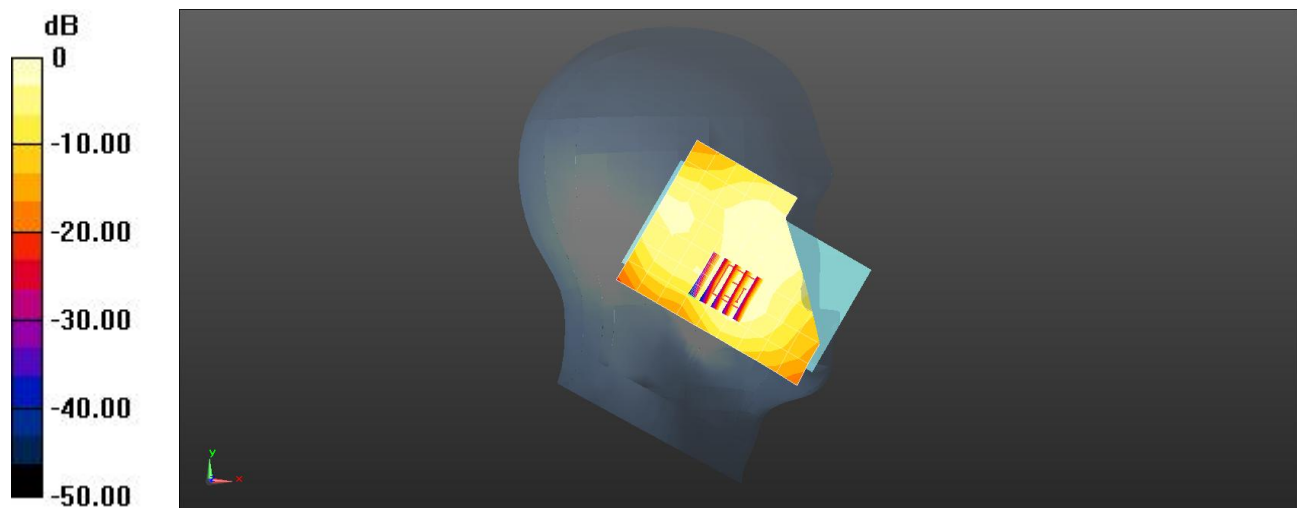
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.18 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg



Date: 2024/6/4

Test Laboratory: LCS-SAR Lab

LTE Band 71 20M QPSK 1RB49 133222CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

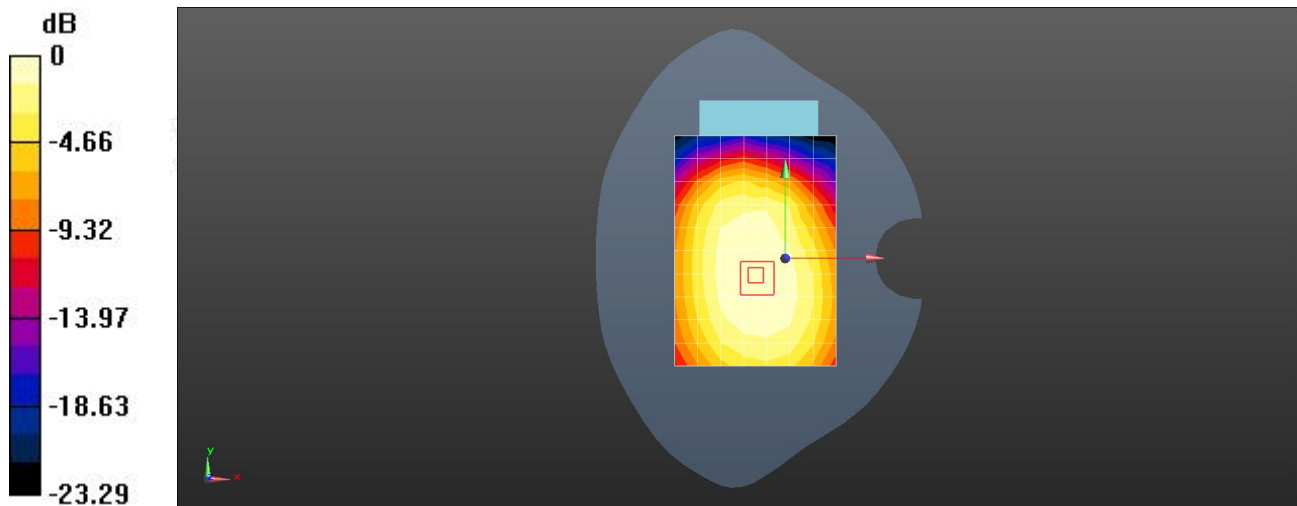
Communication System: UID 0, LTE-FDD (0); Frequency: 673 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 673 \text{ MHz}$; $\sigma = 0.862 \text{ S/m}$; $\epsilon_r = 40.564$; $\rho = 1000 \text{ kg/m}^3$

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 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 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 0.174 W/kg **SAR(1 g) = 0.175 W/kg ; SAR(10 g) = 0.101 W/kg** Maximum value of SAR (measured) = 0.155 W/kg  $0 \text{ dB} = 0.155 \text{ W/kg} = -8.08 \text{ dBW/kg}$ 

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Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 11CH Left Cheek

DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1

Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2462 MHz; Duty Cycle: 1:1.009

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.742$ S/m; $\epsilon_r = 38.635$; $\rho = 1000$ kg/m³

Phantom section: Left 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 (9x12x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.342 W/kg

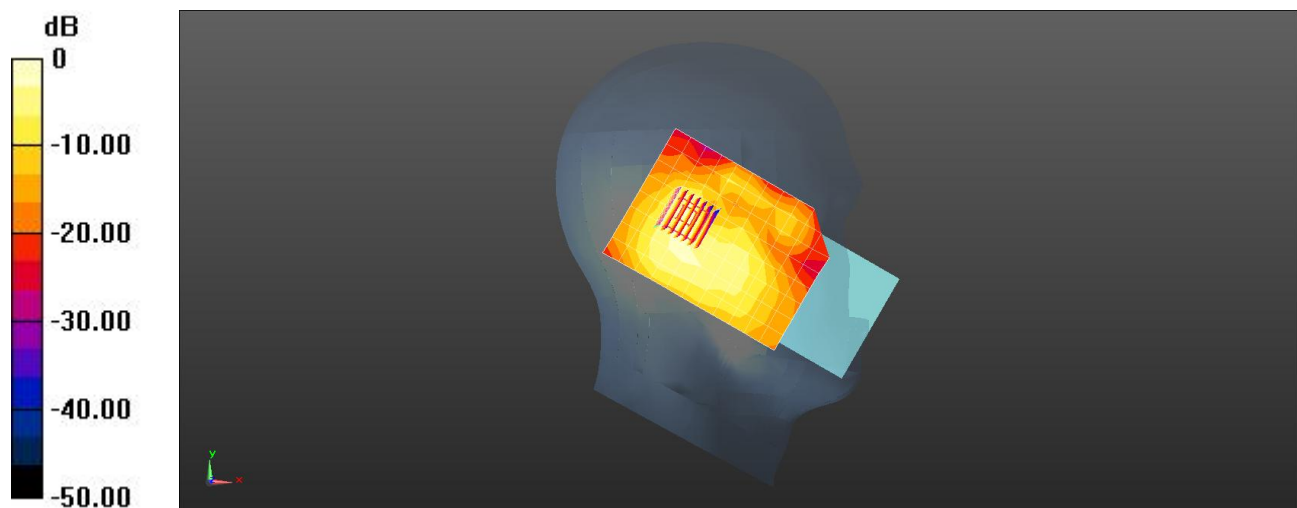
Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.33 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.096 W/kg

Maximum value of SAR (measured) = 0.329 W/kg



0 dB = 0.329 W/kg = -4.83 dBW/kg



Date: 2024/6/9

Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 11CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

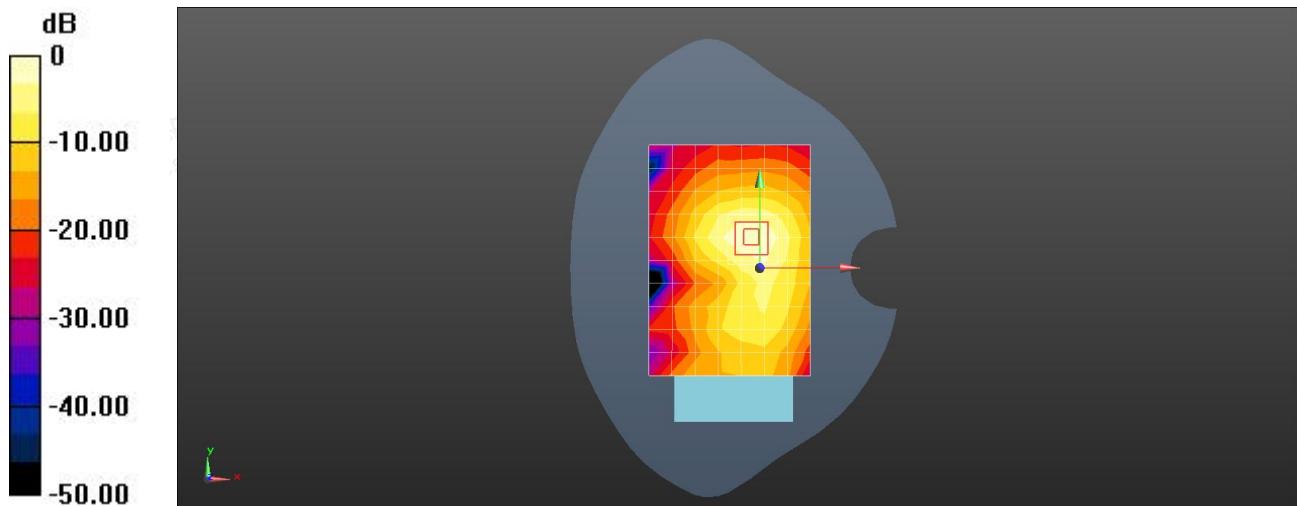
Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2462 MHz; Duty Cycle: 1:1.009

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.742 \text{ S/m}$; $\epsilon_r = 38.635$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=12\text{mm}$, $dy=12\text{mm}$ Maximum value of SAR (measured) = 0.436 W/kg **Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ 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  $0 \text{ dB} = 0.445 \text{ W/kg} = -3.52 \text{ dBW/kg}$ 

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Date: 2024/6/11

Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11a 48CH Left Cheek**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5240 MHz; Duty Cycle: 1:1.058

Medium parameters used: $f = 5240$ MHz; $\sigma = 4.425$ S/m; $\epsilon_r = 36.635$; $\rho = 1000$ kg/m³

Phantom section: Left 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 (11x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.632 W/kg

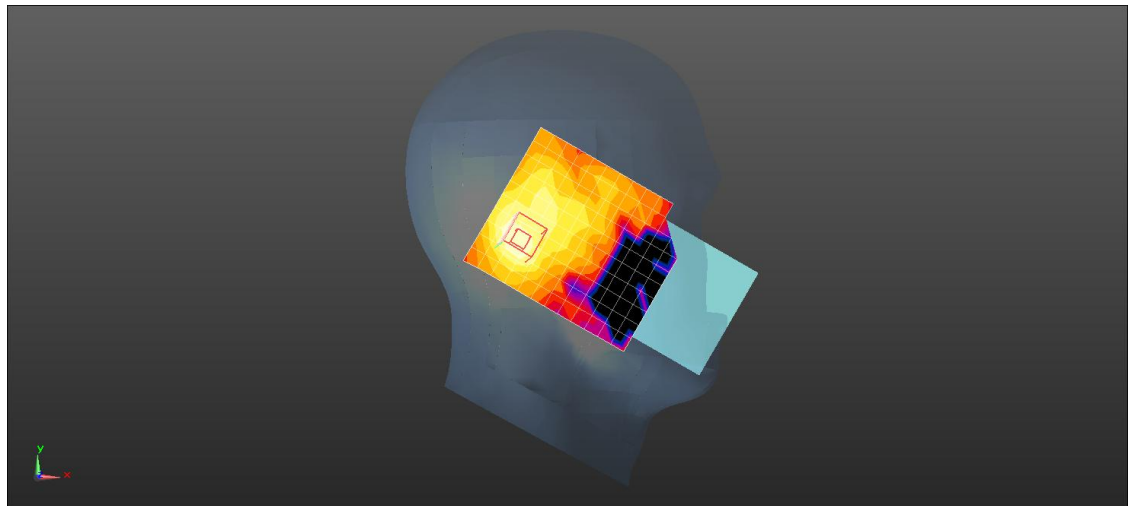
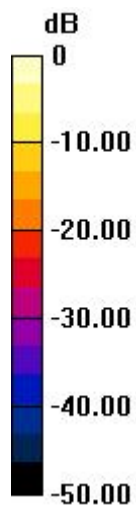
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.754 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.626 W/kg



0 dB = 0.626 W/kg = -2.03 dBW/kg



Date: 2024/6/11

Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11a 48CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

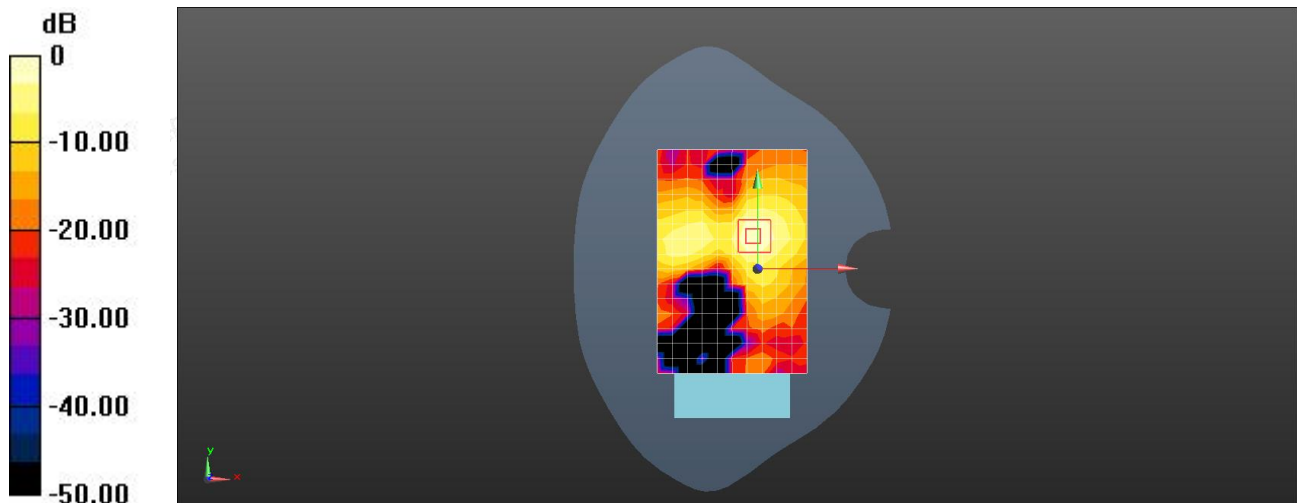
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5240 MHz; Duty Cycle: 1:1.058

Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 4.425 \text{ S/m}$; $\epsilon_r = 36.635$; $\rho = 1000 \text{ kg/m}^3$

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 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 V/m ; Power Drift = 0.15 dB Peak SAR (extrapolated) = 1.17 W/kg **SAR(1 g) = 0.345 W/kg ; SAR(10 g) = 0.111 W/kg** Maximum value of SAR (measured) = 0.530 W/kg  $0 \text{ dB} = 0.530 \text{ W/kg} = -2.76 \text{ dBW/kg}$ 

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Date: 2024/6/11

Test Laboratory: LCS-SAR Lab

WIFI 5.8G 802.11a 157CH Left Cheek**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

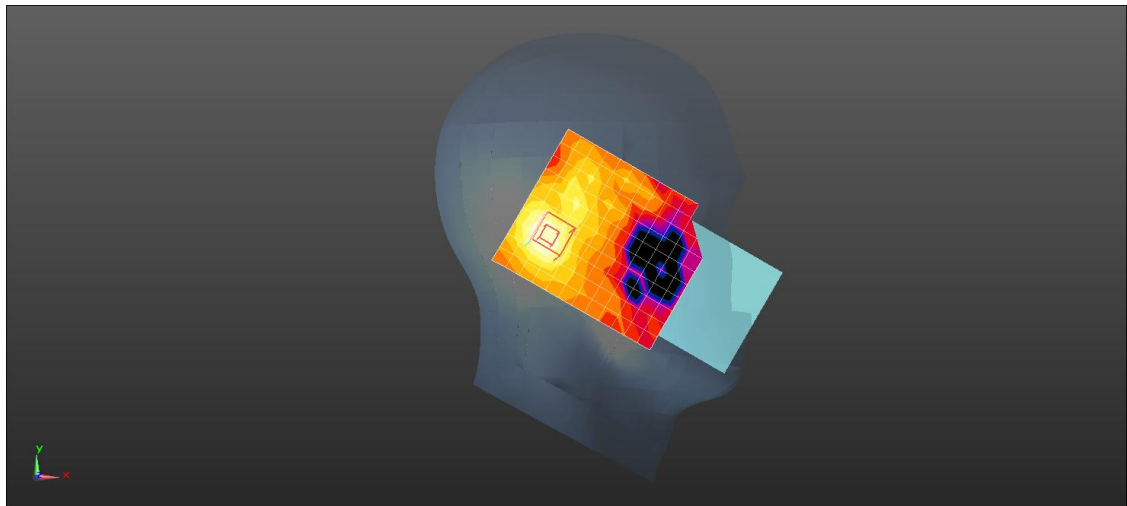
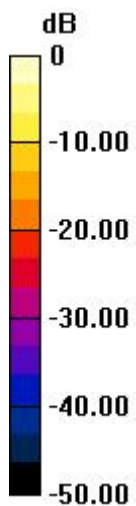
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5785 MHz; Duty Cycle: 1:1.057

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.142 \text{ S/m}$; $\epsilon_r = 35.536$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left 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 (11x13x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 0.911 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 = 4.435 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 1.76 W/kg **SAR(1 g) = 0.411 W/kg ; SAR(10 g) = 0.156 W/kg** Maximum value of SAR (measured) = 0.923 W/kg  $0 \text{ dB} = 0.923 \text{ W/kg} = -0.35 \text{ dBW/kg}$



Date: 2024/6/11

Test Laboratory: LCS-SAR Lab

WIFI 5.8G 802.11a 157CH Rear side 10mm**DUT: Smart Phone; Type: HPPL63A Serial: A05144196-1**

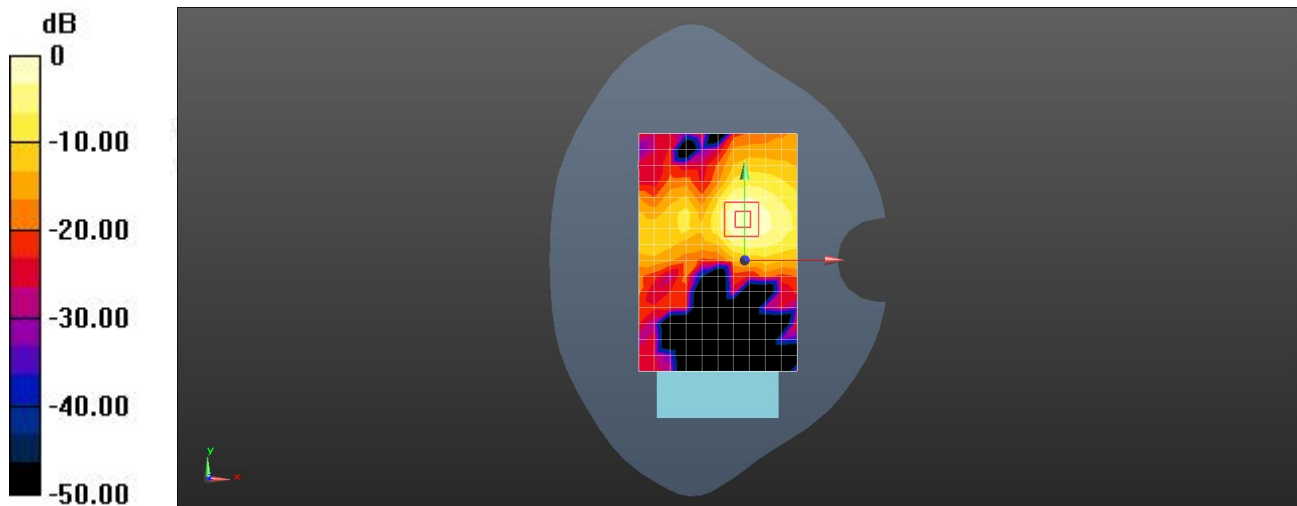
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5785 MHz; Duty Cycle: 1:1.057

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.142 \text{ S/m}$; $\epsilon_r = 35.536$; $\rho = 1000 \text{ kg/m}^3$

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 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 V/m ; Power Drift = 0.10 dB Peak SAR (extrapolated) = 1.52 W/kg **SAR(1 g) = 0.435 W/kg ; SAR(10 g) = 0.156 W/kg** Maximum value of SAR (measured) = 0.675 W/kg  $0 \text{ dB} = 0.675 \text{ W/kg} = -1.71 \text{ dBW/kg}$ 

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