



# Appendix B

## Detailed Test Results

|                              |
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Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM850 GSM 190CH Right cheek Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000003**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium: HSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 40.931$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.04, 9.04, 9.04); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.0614 W/kg

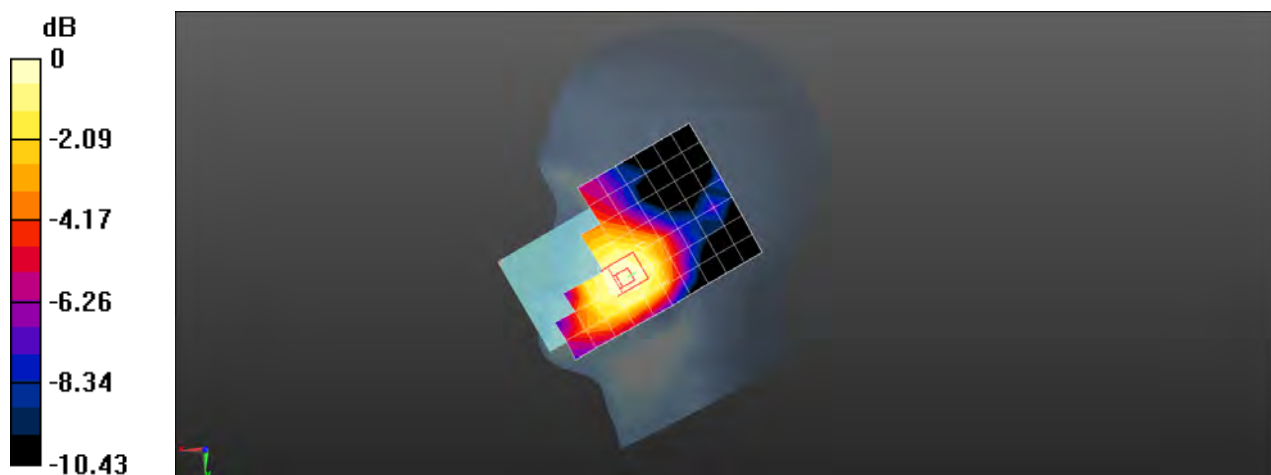
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.151 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.0710 W/kg

**SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.040 W/kg**

Maximum value of SAR (measured) = 0.0618 W/kg



0 dB = 0.0618 W/kg = -12.09 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM 850 GSM 190CH Back side 15mm Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium: MSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.999$  S/m;  $\epsilon_r = 56.313$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.250 W/kg

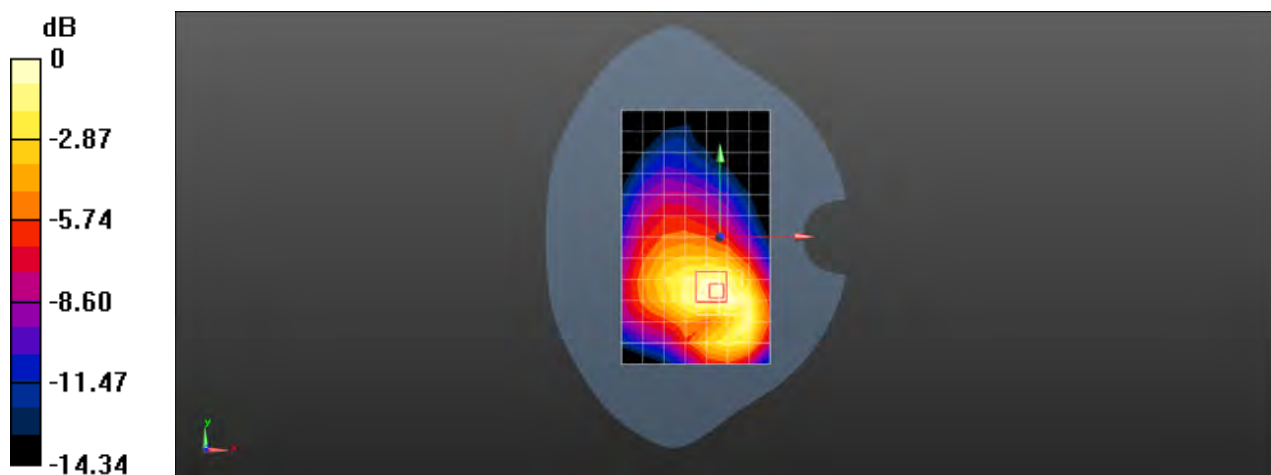
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.774 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.321 W/kg

**SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.125 W/kg**

Maximum value of SAR (measured) = 0.263 W/kg



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

Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM 850 GPRS 4TS 190CH Back side 10mm Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium: MSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.999$  S/m;  $\epsilon_r = 56.313$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.423 W/kg

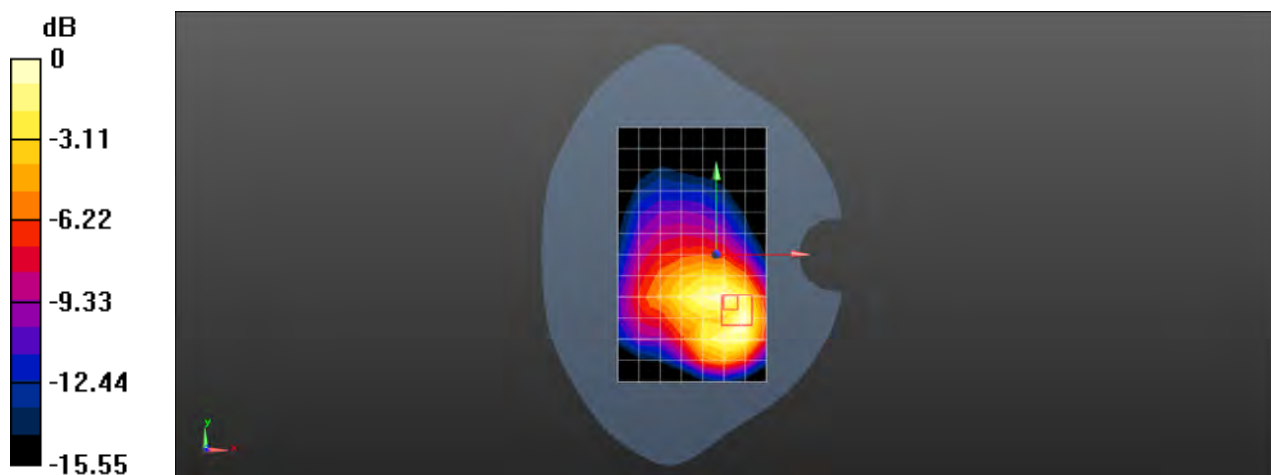
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.251 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.551 W/kg

**SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.164 W/kg**

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



Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM850 GSM 190CH Right cheek Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium: HSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 40.931$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.04, 9.04, 9.04); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.874 W/kg

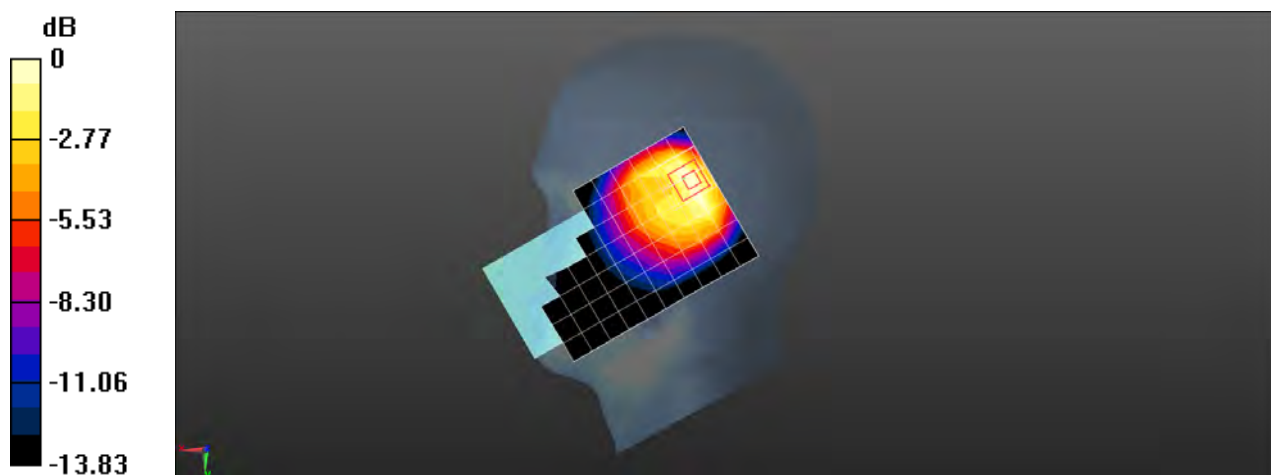
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.37 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.294 W/kg**

Maximum value of SAR (measured) = 0.810 W/kg



0 dB = 0.810 W/kg = -0.92 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM 850 GPRS 4TS 190CH Back side 15mm Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium: MSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.999$  S/m;  $\epsilon_r = 56.313$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.221 W/kg

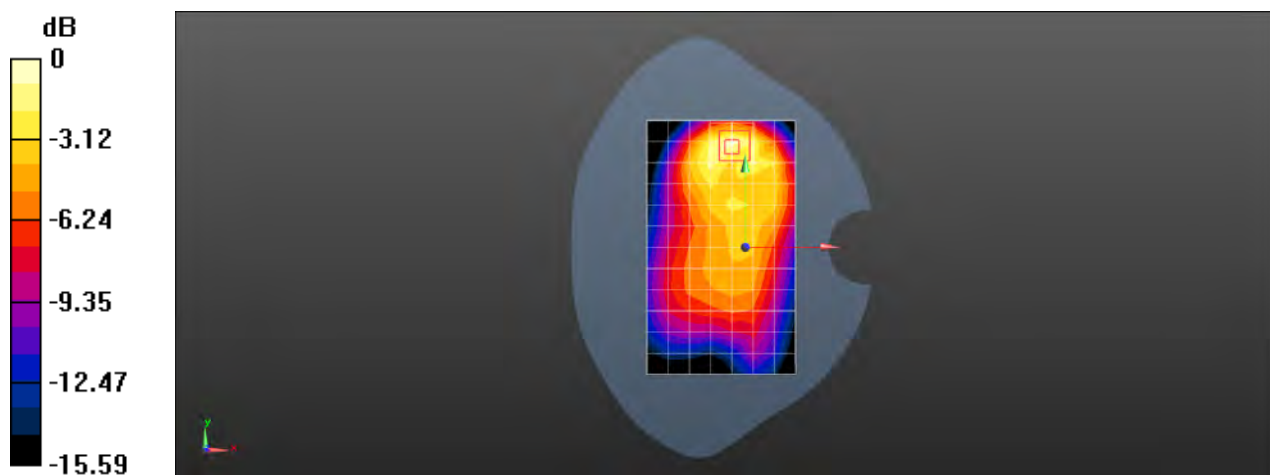
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.79 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.273 W/kg

**SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.093 W/kg**

Maximum value of SAR (measured) = 0.229 W/kg



Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM 850 GPRS 4TS 190CH Left side 10mm Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium: MSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.999$  S/m;  $\epsilon_r = 56.313$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.422 W/kg

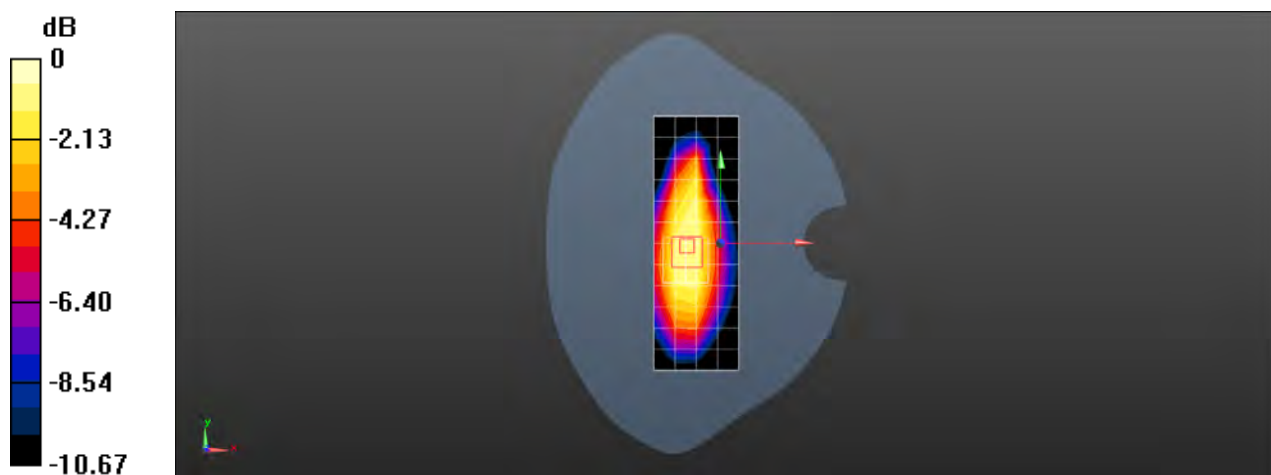
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.17 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.598 W/kg

**SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.234 W/kg**

Maximum value of SAR (measured) = 0.498 W/kg



0 dB = 0.498 W/kg = -3.03 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM1900 661CH Left cheek Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.364$  S/m;  $\epsilon_r = 38.641$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.51, 8.51, 8.51); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 4; Type: SAM; Serial: 1640
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.108 W/kg

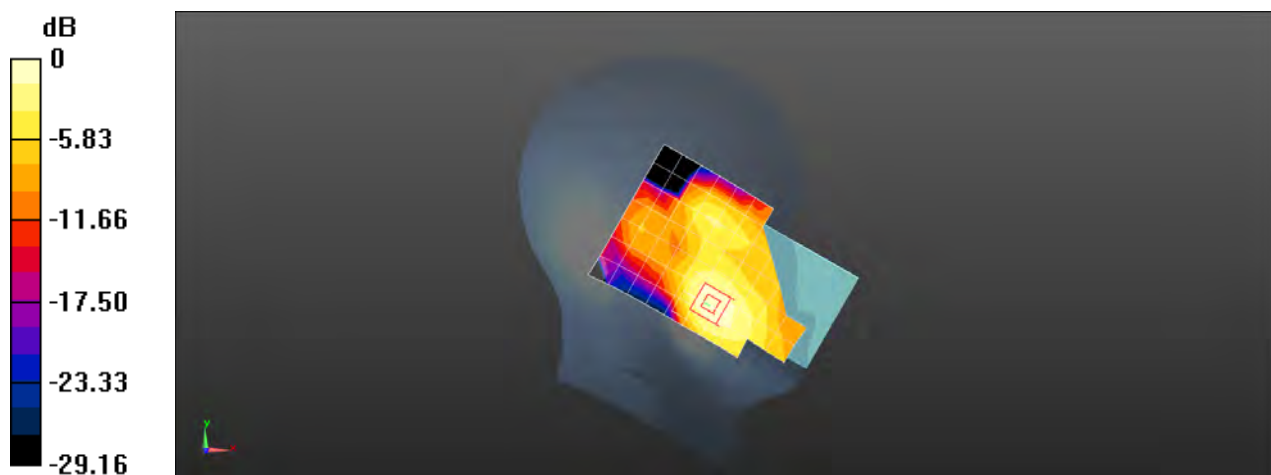
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.561 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.141 W/kg

**SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.053 W/kg**

Maximum value of SAR (measured) = 0.122 W/kg



Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM 1900 GSM 661CH Back side 15mm Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.522$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.167 W/kg

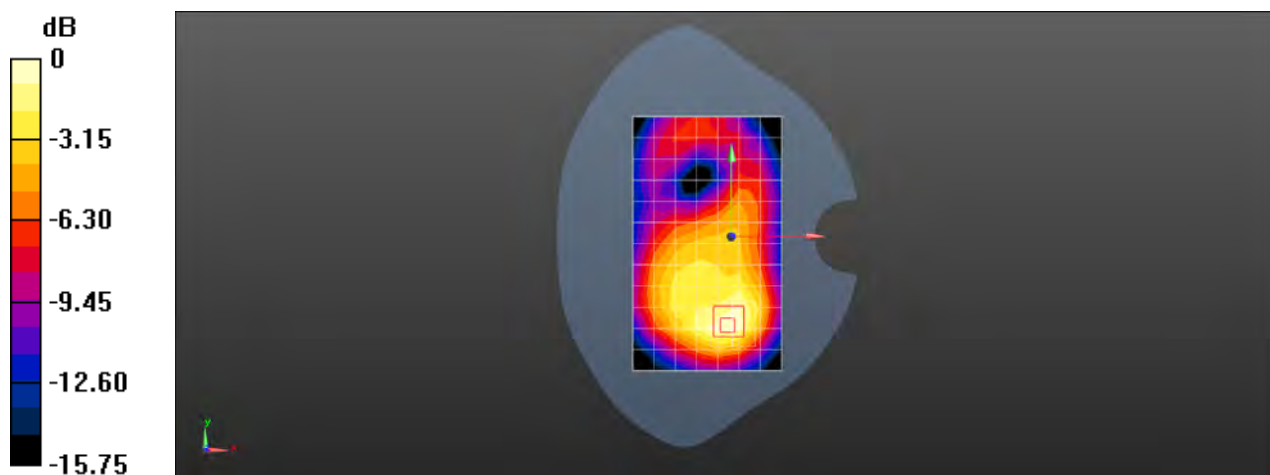
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.026 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.202 W/kg

**SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.078 W/kg**

Maximum value of SAR (measured) = 0.174 W/kg



Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM 1900 GPRS 4TS 661CH Bottom side 10mm Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:2.0797

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.522$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.443 W/kg

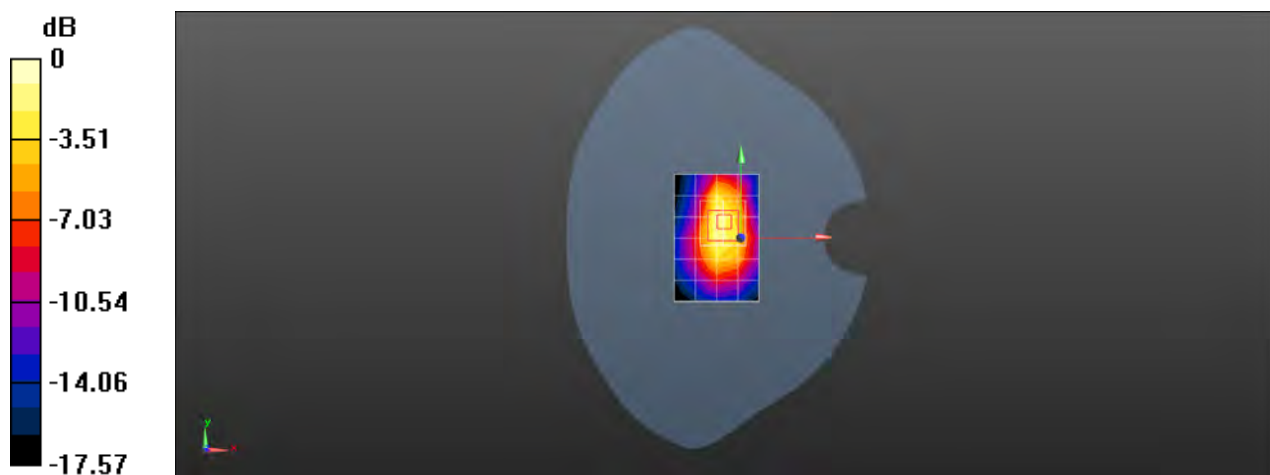
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.48 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.628 W/kg

**SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.194 W/kg**

Maximum value of SAR (measured) = 0.536 W/kg



Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM1900 661CH Right tilted Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.364$  S/m;  $\epsilon_r = 38.641$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.51, 8.51, 8.51); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 4; Type: SAM; Serial: 1640
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.662 W/kg

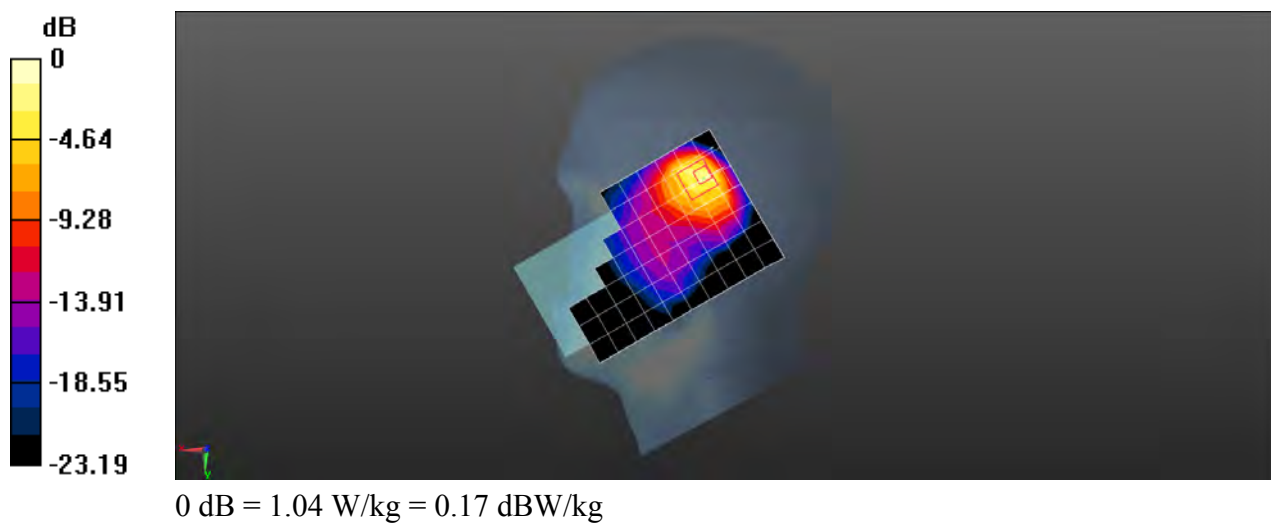
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.85 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.221 W/kg**

Maximum value of SAR (measured) = 1.04 W/kg



Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM 1900 GSM 661CH Back side 15mm Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.522$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.0741 W/kg

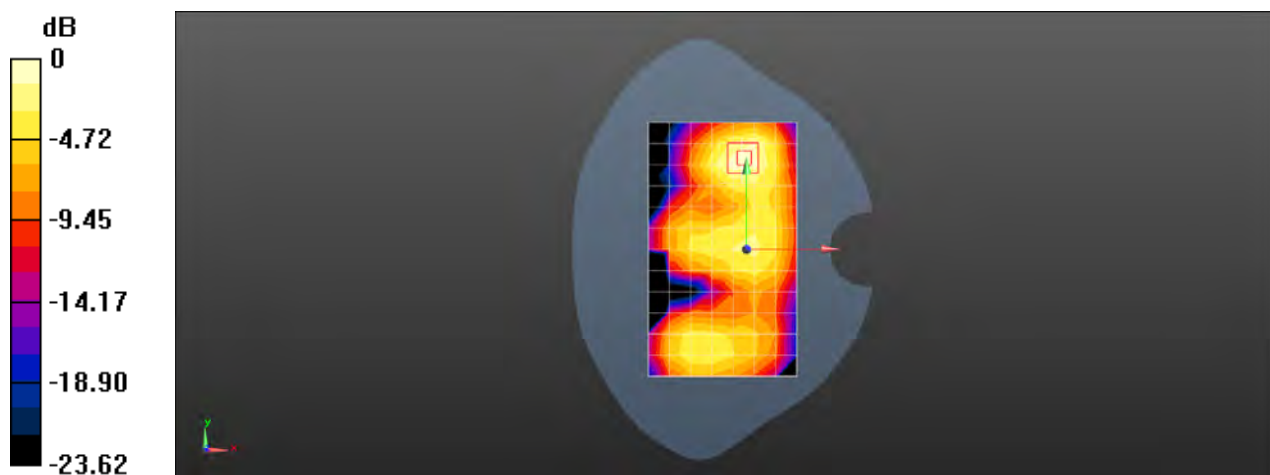
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.432 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.102 W/kg

**SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.033 W/kg**

Maximum value of SAR (measured) = 0.0856 W/kg



Test Laboratory: SGS-SAR Lab

## YAL-L21 GSM 1900 GPRS 4TS 661CH Top side 10mm Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:2.0797

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.522$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.125 W/kg

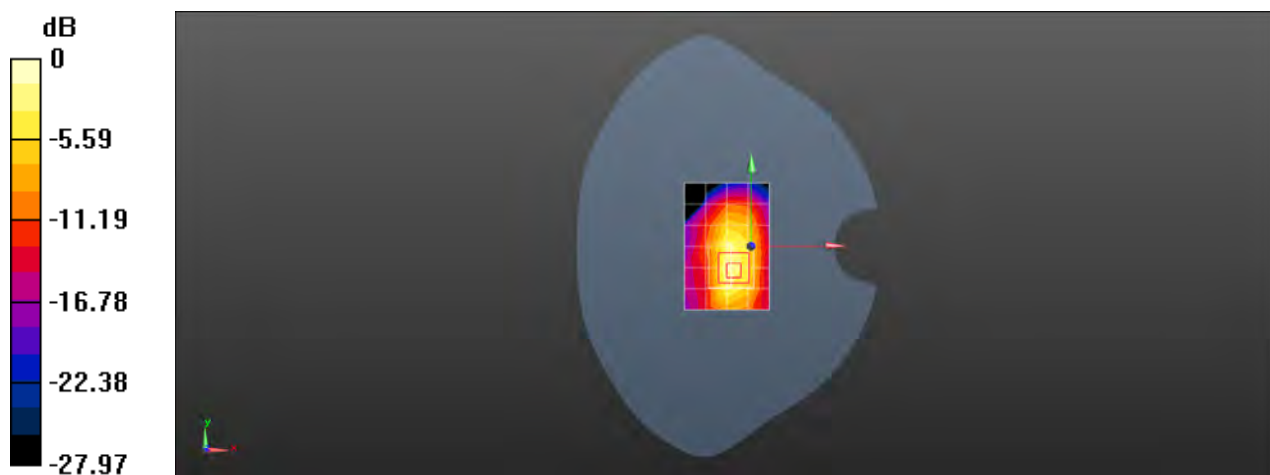
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.934 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.214 W/kg

**SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.055 W/kg**

Maximum value of SAR (measured) = 0.169 W/kg



0 dB = 0.169 W/kg = -7.72 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band II 9400CH Right cheek Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

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

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.364$  S/m;  $\epsilon_r = 38.641$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.51, 8.51, 8.51); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 4; Type: SAM; Serial: 1640
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.132 W/kg

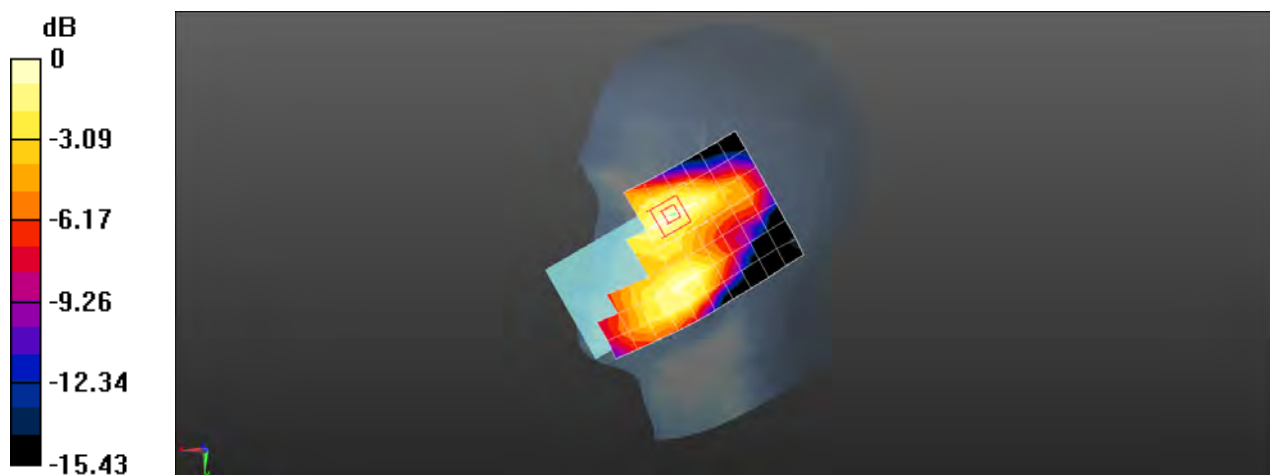
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.366 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.159 W/kg

**SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.061 W/kg**

Maximum value of SAR (measured) = 0.135 W/kg



0 dB = 0.135 W/kg = -8.70 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band II 9400CH Back side 15mm Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

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

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 52.697$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.204 W/kg

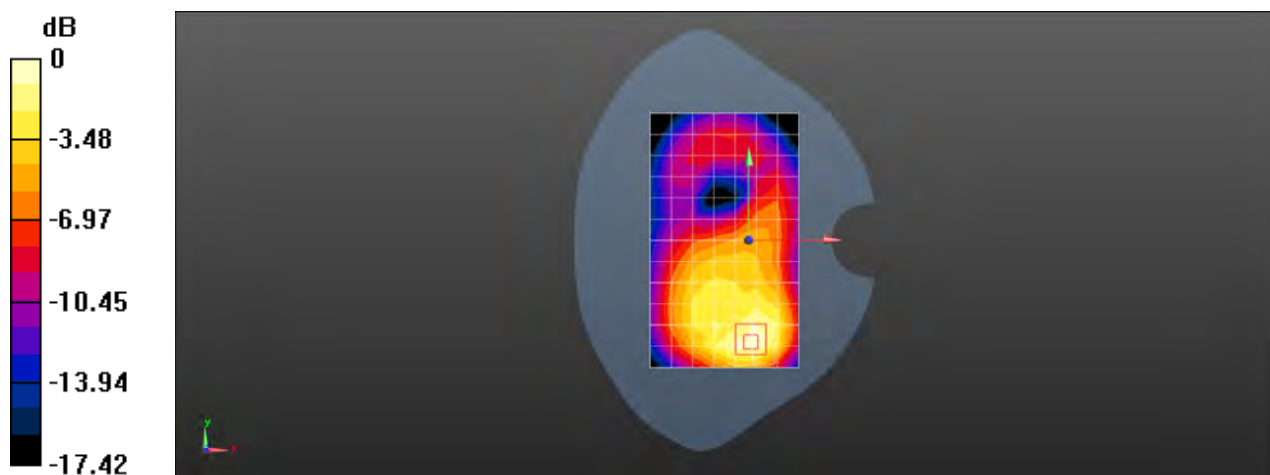
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.346 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.248 W/kg

**SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.095 W/kg**

Maximum value of SAR (measured) = 0.216 W/kg



Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band II 9400CH Bottom side 10mm Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

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

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 52.697$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.555 W/kg

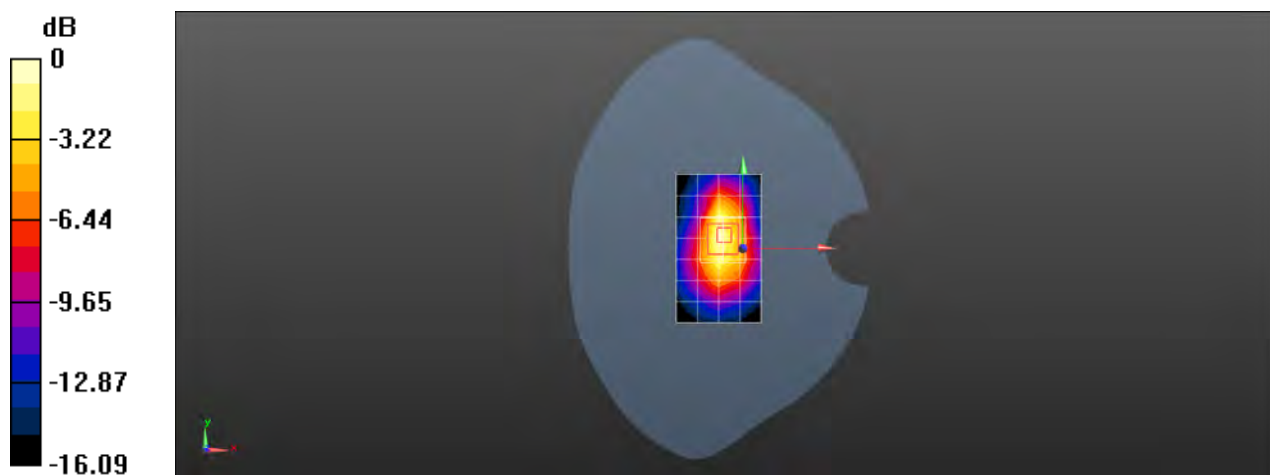
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.39 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.724 W/kg

**SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.229 W/kg**

Maximum value of SAR (measured) = 0.615 W/kg



0 dB = 0.615 W/kg = -2.11 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band II 9400CH Right cheek Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

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

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.364$  S/m;  $\epsilon_r = 38.641$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.51, 8.51, 8.51); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 4; Type: SAM; Serial: 1640
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.956 W/kg

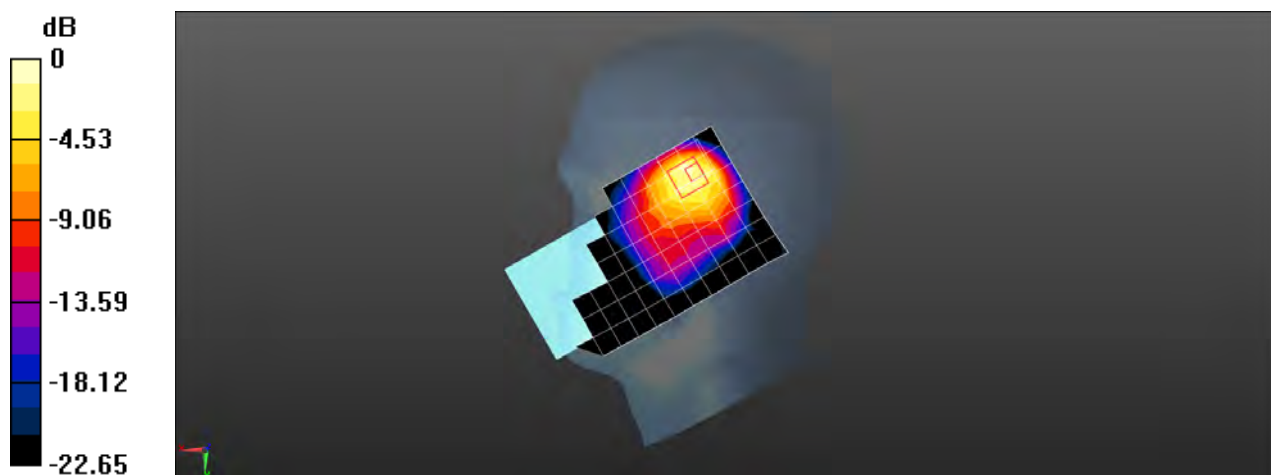
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.28 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.54 W/kg

**SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.326 W/kg**

Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg = 0.49 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band II 9400CH Back side 15mm Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

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

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 52.697$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.242 W/kg

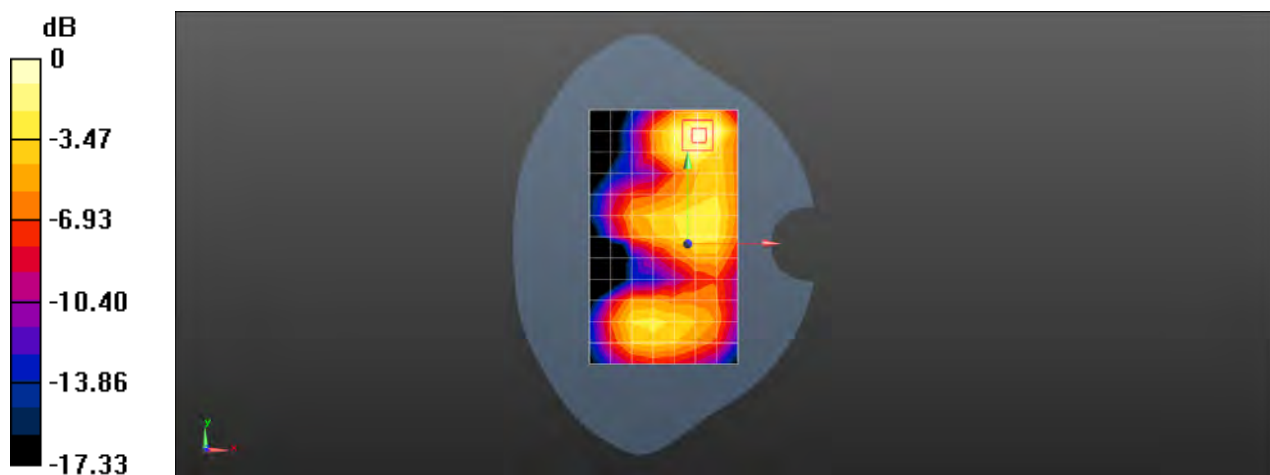
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.532 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.301 W/kg

**SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.105 W/kg**

Maximum value of SAR (measured) = 0.258 W/kg



Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band II 9400CH Left side 10mm Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

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

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 52.697$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.531 W/kg

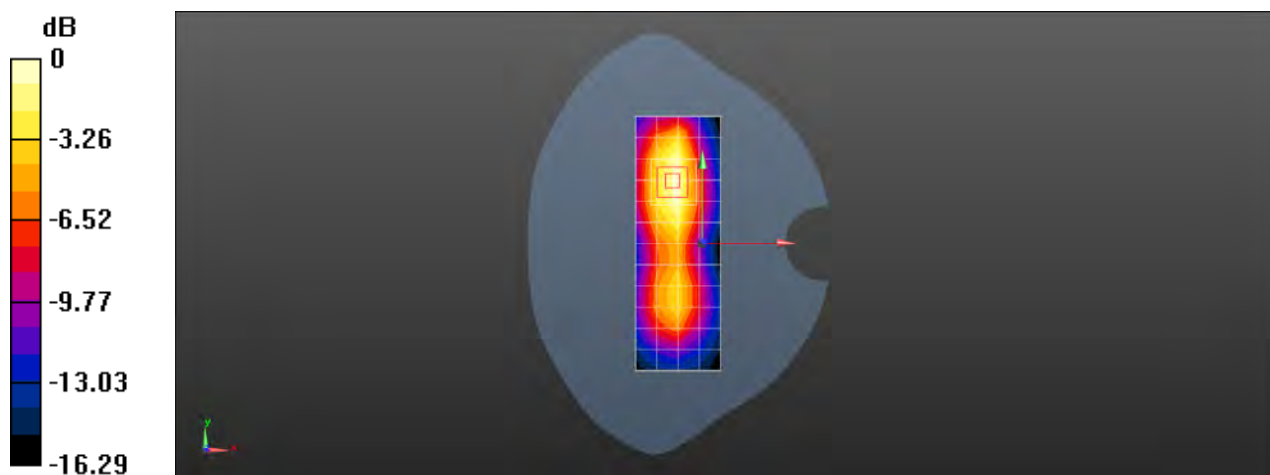
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.42 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.666 W/kg

**SAR(1 g) = 0.407 W/kg; SAR(10 g) = 0.242 W/kg**

Maximum value of SAR (measured) = 0.578 W/kg



0 dB = 0.578 W/kg = -2.38 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band IV RMC 1412CH Left cheek Ant 1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: HSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.301$  S/m;  $\epsilon_r = 40.466$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.44, 8.44, 8.44); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.191 W/kg

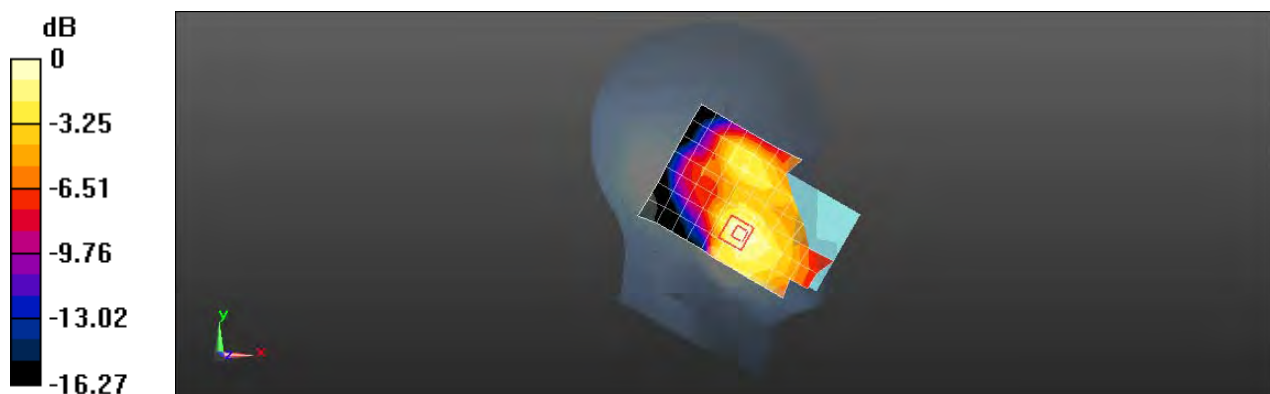
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.122 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.254 W/kg

**SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.081 W/kg**

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



0 dB = 0.208 W/kg = -6.82 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band IV RMC 1412CH Back side 15mm Ant 1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.476$  S/m;  $\epsilon_r = 52.242$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.3, 8.3, 8.3); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.231 W/kg

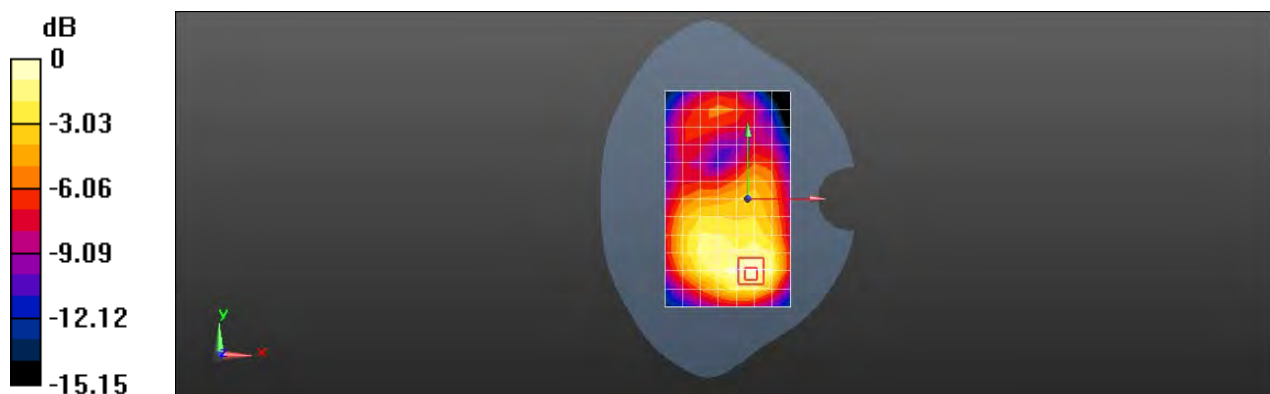
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.622 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.274 W/kg

**SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.099 W/kg**

Maximum value of SAR (measured) = 0.225 W/kg



0 dB = 0.225 W/kg = -6.48 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band IV RMC 1412CH Bottom side 10mm Ant 1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.476$  S/m;  $\epsilon_r = 52.242$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.3, 8.3, 8.3); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.775 W/kg

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

Reference Value = 19.80 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.315 W/kg**

Maximum value of SAR (measured) = 0.861 W/kg



0 dB = 0.861 W/kg = -0.65 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band IV RMC 1412CH Right cheek Ant 2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: HSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.301$  S/m;  $\epsilon_r = 40.466$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.44, 8.44, 8.44); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.01 W/kg

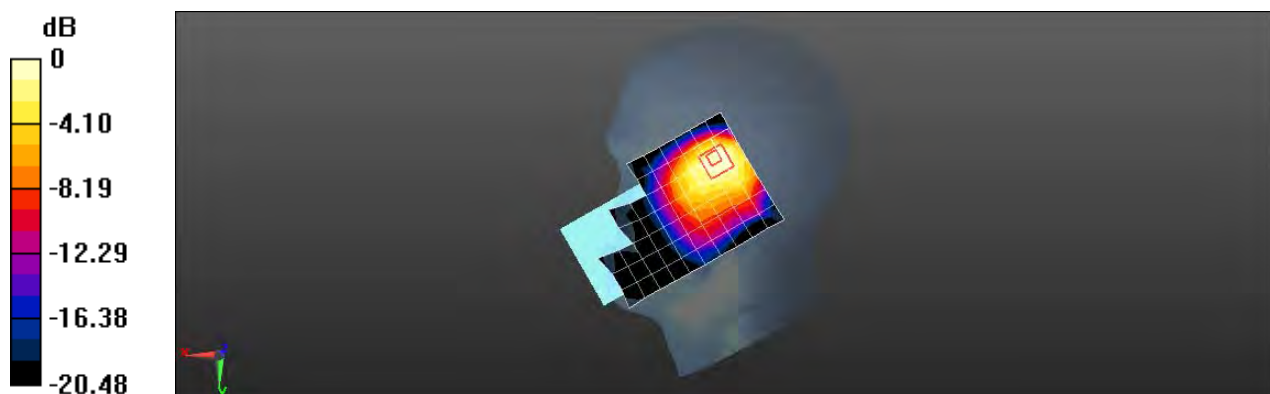
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.75 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.609 W/kg; SAR(10 g) = 0.345 W/kg**

Maximum value of SAR (measured) = 0.914 W/kg



0 dB = 0.914 W/kg = -0.39 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band IV RMC 1412CH Back side 15mm Ant 2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.476$  S/m;  $\epsilon_r = 52.242$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.3, 8.3, 8.3); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.283 W/kg

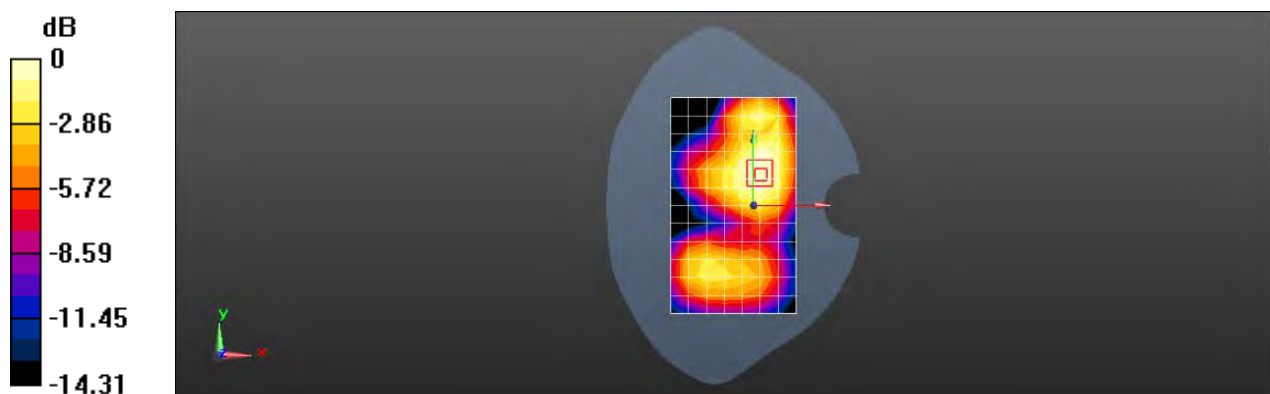
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.457 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.327 W/kg

**SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.134 W/kg**

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



Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band IV RMC 1412CH Left side 10mm Ant 2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.476$  S/m;  $\epsilon_r = 52.242$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.3, 8.3, 8.3); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.669 W/kg

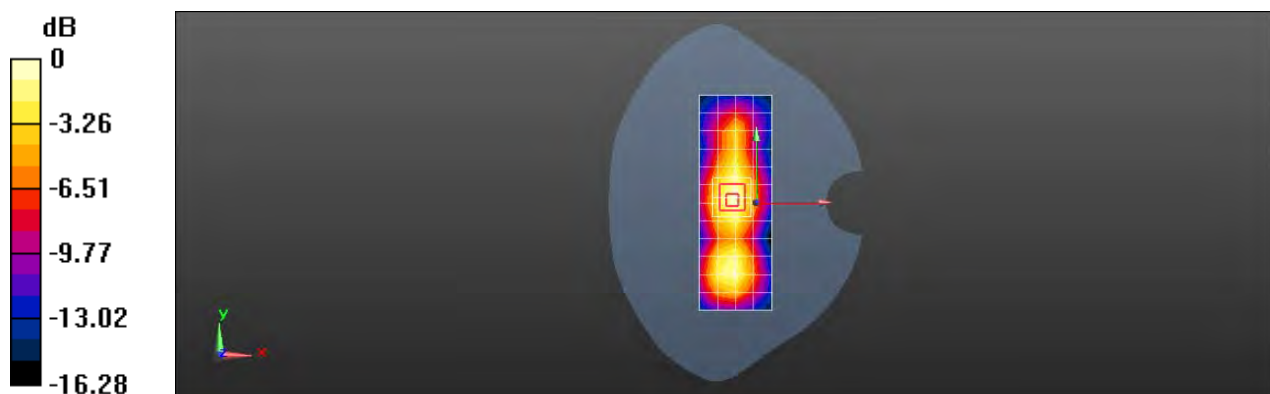
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.54 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.818 W/kg

**SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.280 W/kg**

Maximum value of SAR (measured) = 0.698 W/kg



Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band V 4182CH Right cheek Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: HSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 40.934$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.04, 9.04, 9.04); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.0928 W/kg

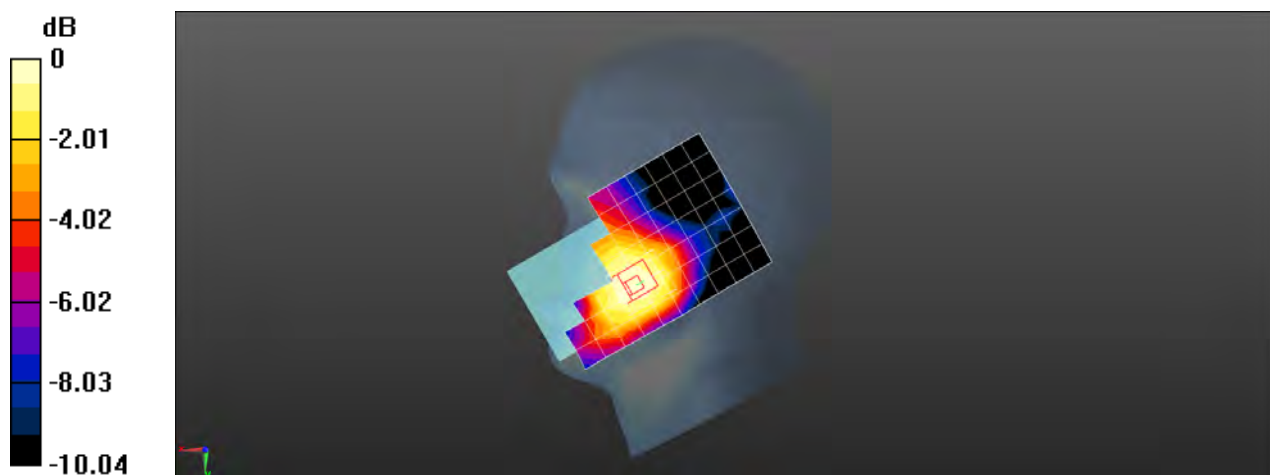
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.552 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.102 W/kg

**SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.061 W/kg**

Maximum value of SAR (measured) = 0.0918 W/kg



0 dB = 0.0918 W/kg = -10.37 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band V 4182CH Back side 15mm Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.995$  S/m;  $\epsilon_r = 56.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.343 W/kg

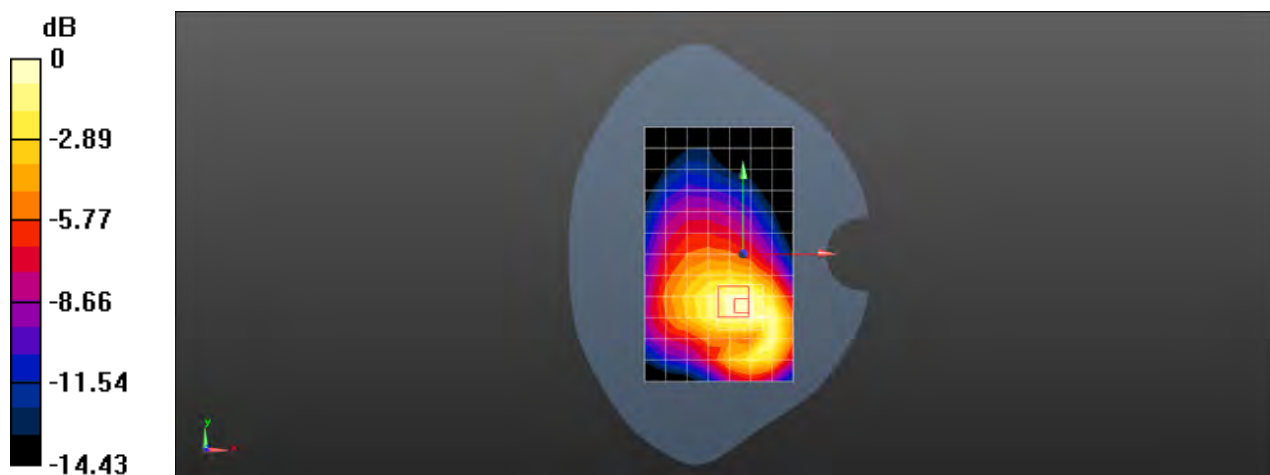
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.636 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.464 W/kg

**SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.184 W/kg**

Maximum value of SAR (measured) = 0.392 W/kg



0 dB = 0.392 W/kg = -4.07 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band V 4182CH Back side 10mm Ant1

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.995$  S/m;  $\epsilon_r = 56.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.672 W/kg

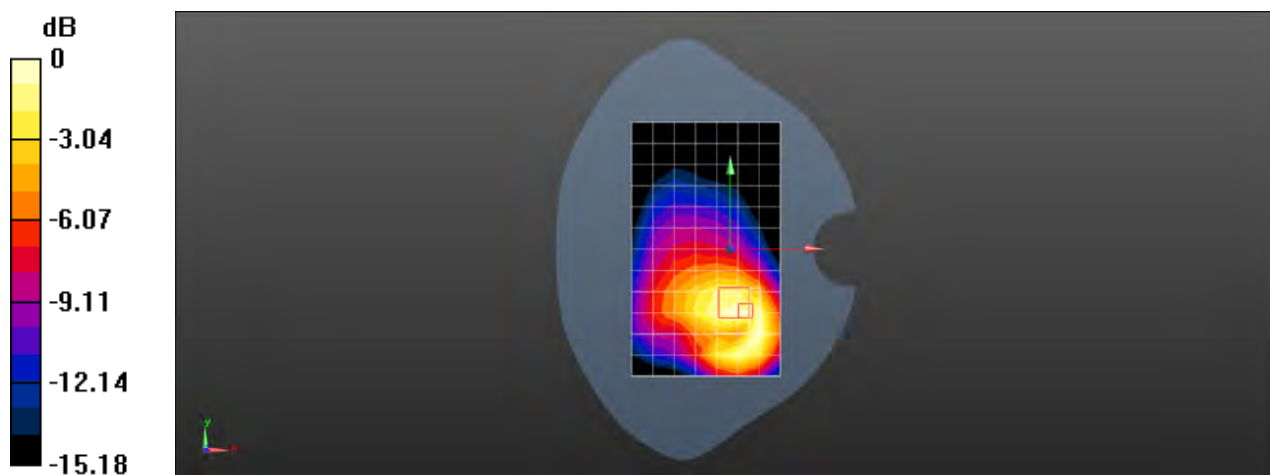
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.11 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.914 W/kg

**SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.287 W/kg**

Maximum value of SAR (measured) = 0.712 W/kg



0 dB = 0.712 W/kg = -1.48 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band V 4182CH Right cheek with Battery 2 Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000003**

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

Medium: HSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 40.934$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.04, 9.04, 9.04); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.996 W/kg

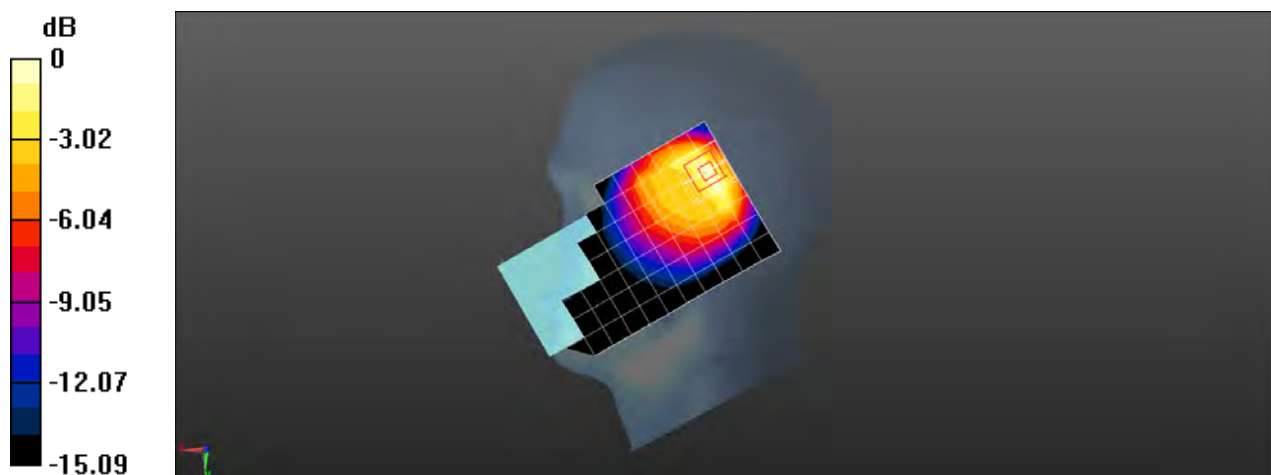
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.34 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.331 W/kg**

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band V 4182CH Back side 15mm Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.995$  S/m;  $\epsilon_r = 56.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.332 W/kg

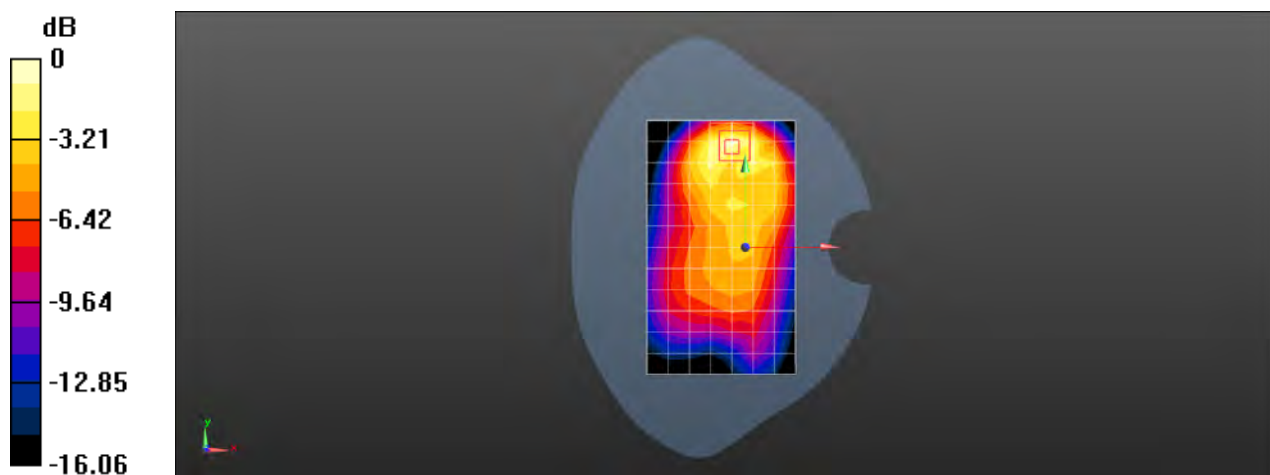
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.38 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.408 W/kg

**SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.139 W/kg**

Maximum value of SAR (measured) = 0.346 W/kg



Test Laboratory: SGS-SAR Lab

## YAL-L21 WCDMA Band V 4182CH Back side 10mm Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.995$  S/m;  $\epsilon_r = 56.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.719 W/kg

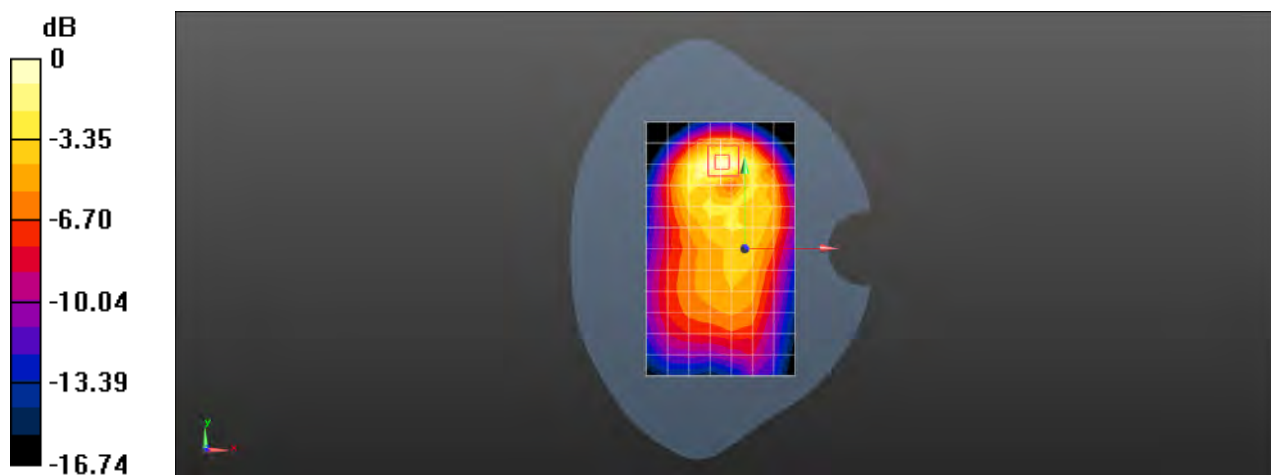
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.26 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.913 W/kg

**SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.276 W/kg**

Maximum value of SAR (measured) = 0.754 W/kg



0 dB = 0.754 W/kg = -1.23 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 2 20M QPSK 1RB0 18700CH Left cheek Ant1**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.345$  S/m;  $\epsilon_r = 38.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.51, 8.51, 8.51); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 4; Type: SAM; Serial: 1640
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.194 W/kg

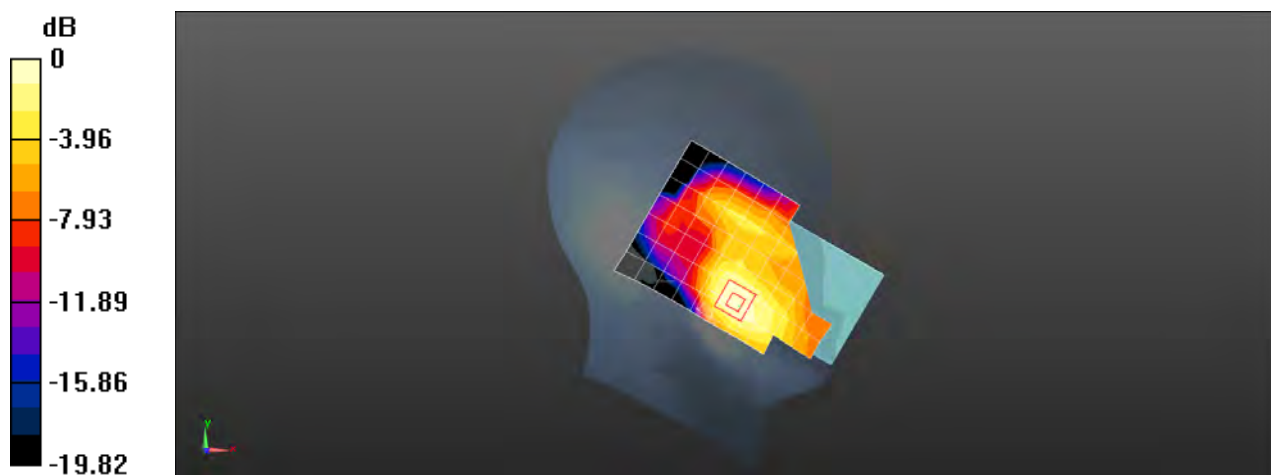
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.498 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.241 W/kg

**SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.097 W/kg**

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



0 dB = 0.208 W/kg = -6.82 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 2 20M QPSK 1RB0 18700CH Back side 15mm with Battery 2 Ant1**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000003**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL1950; Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.462$  S/m;  $\epsilon_r = 52.75$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

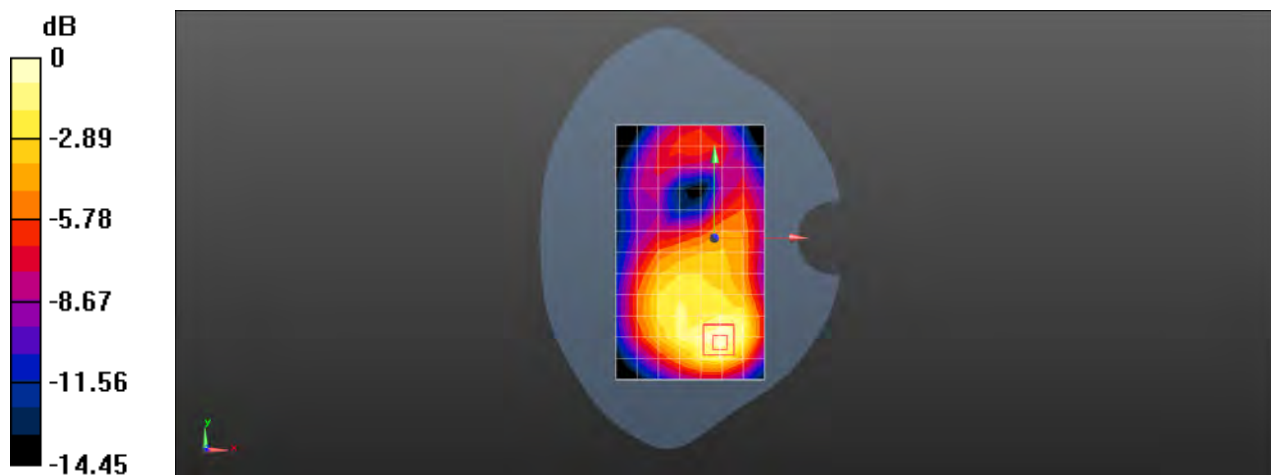
**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.311 W/kg

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

Reference Value = 6.740 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.372 W/kg

**SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.145 W/kg**



0 dB = 0.311 W/kg = -5.07 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 2 20M QPSK 1RB0 19100CH Bottom side 10mm Ant1**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL1950; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.499$  S/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.03 W/kg

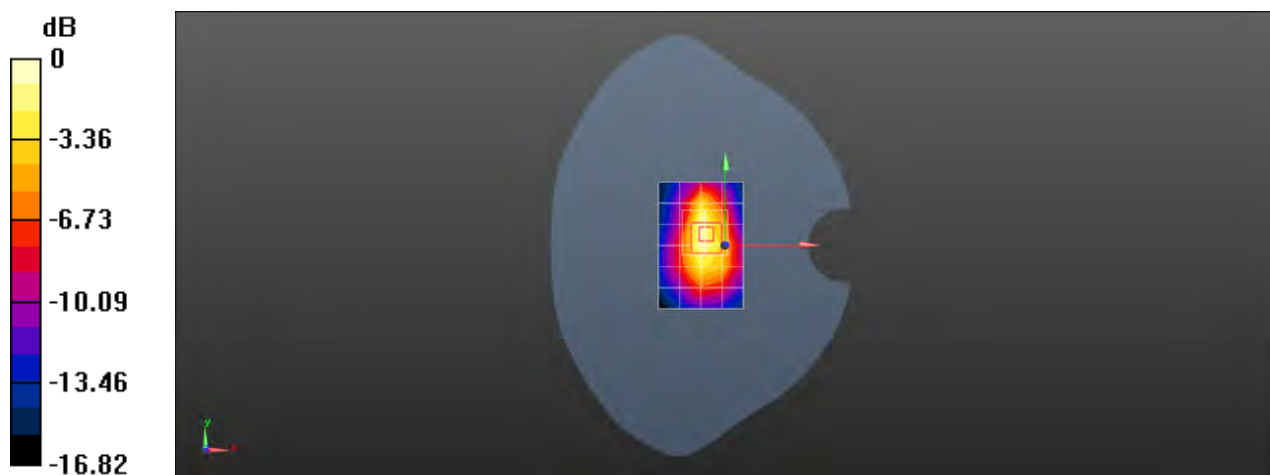
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 22.59 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.794 W/kg; SAR(10 g) = 0.441 W/kg**

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



0 dB = 1.18 W/kg = 0.72 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 2 20M QPSK 50RB0 18900CH Right cheek Ant2**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.364$  S/m;  $\epsilon_r = 38.641$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.51, 8.51, 8.51); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 4; Type: SAM; Serial: 1640
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.701 W/kg

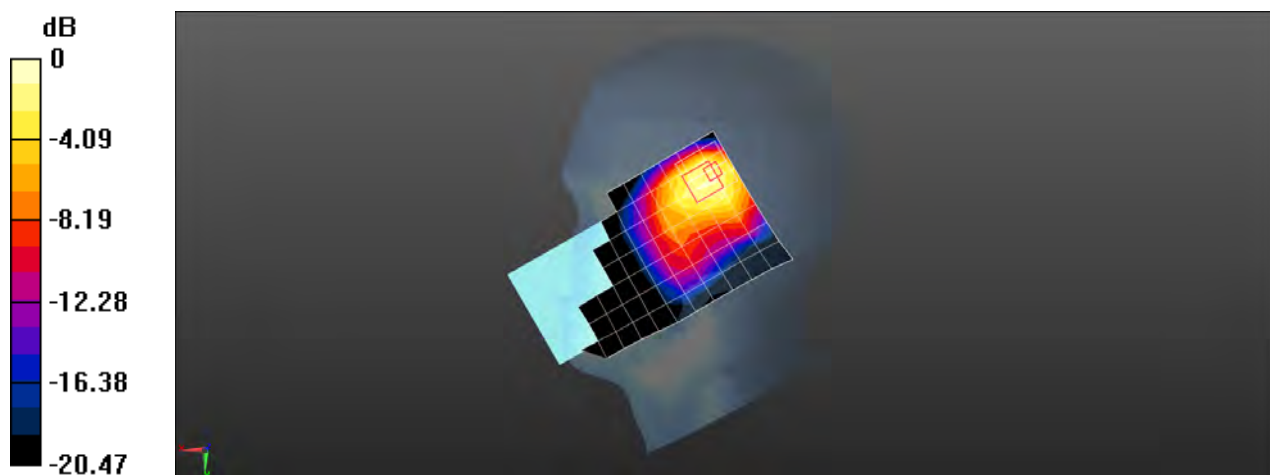
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.86 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.304 W/kg**

Maximum value of SAR (measured) = 0.891 W/kg



0 dB = 0.891 W/kg = -0.50 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 2 20M QPSK 1RB99 18900CH Back side 15mm Ant2**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL1950; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 52.697$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.281 W/kg

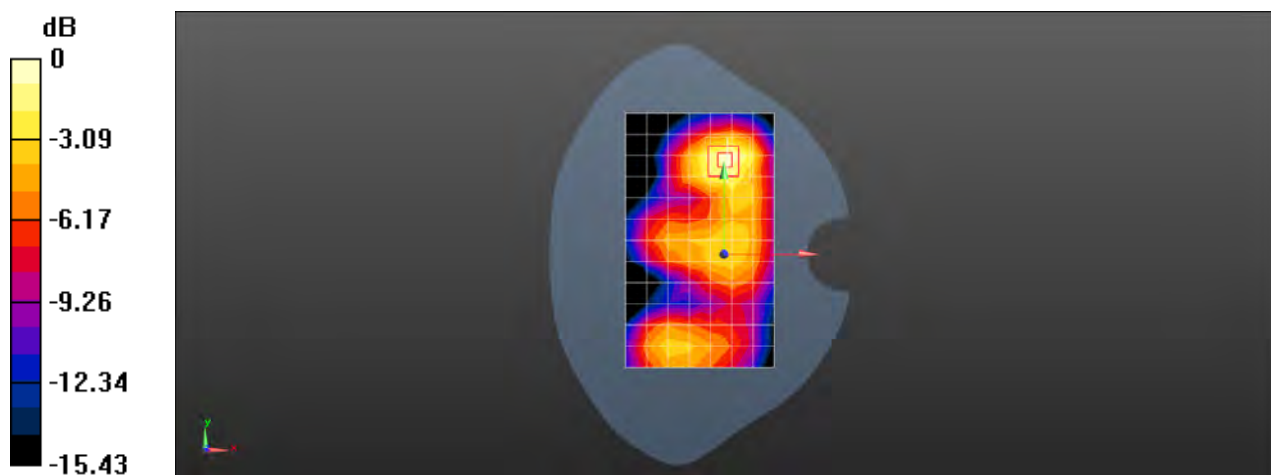
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.003 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.339 W/kg

**SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.116 W/kg**

Maximum value of SAR (measured) = 0.291 W/kg



Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 2 20M QPSK 1RB99 18900CH Back side 10mm Ant2**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL1950; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 52.697$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.14, 8.14, 8.14); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.614 W/kg

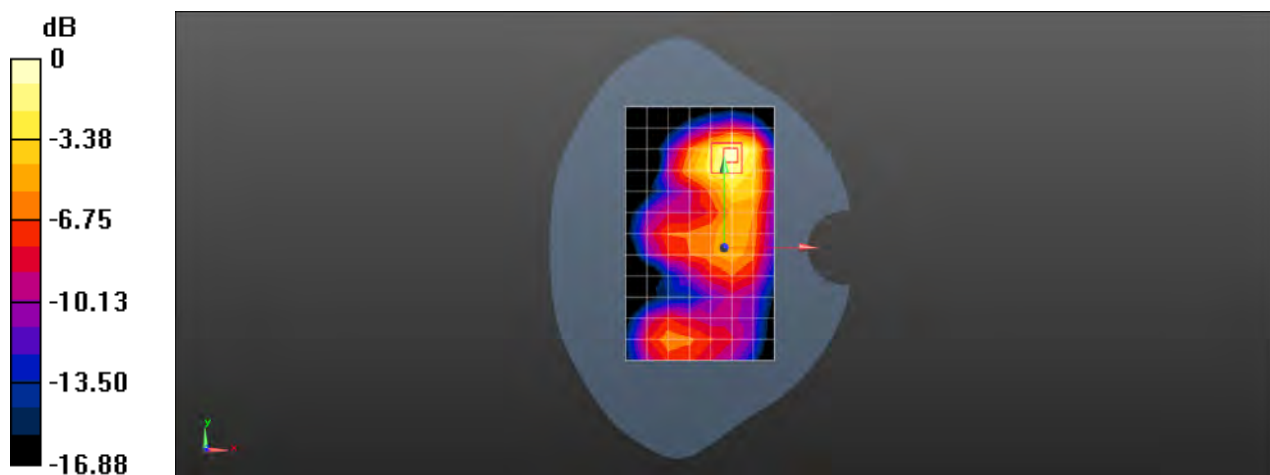
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.802 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.779 W/kg

**SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.231 W/kg**

Maximum value of SAR (measured) = 0.654 W/kg



0 dB = 0.654 W/kg = -1.84 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 4 20M QPSK 1RB0 20175CH Left cheek Ant 1**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.301$  S/m;  $\epsilon_r = 40.465$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.44, 8.44, 8.44); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.207 W/kg

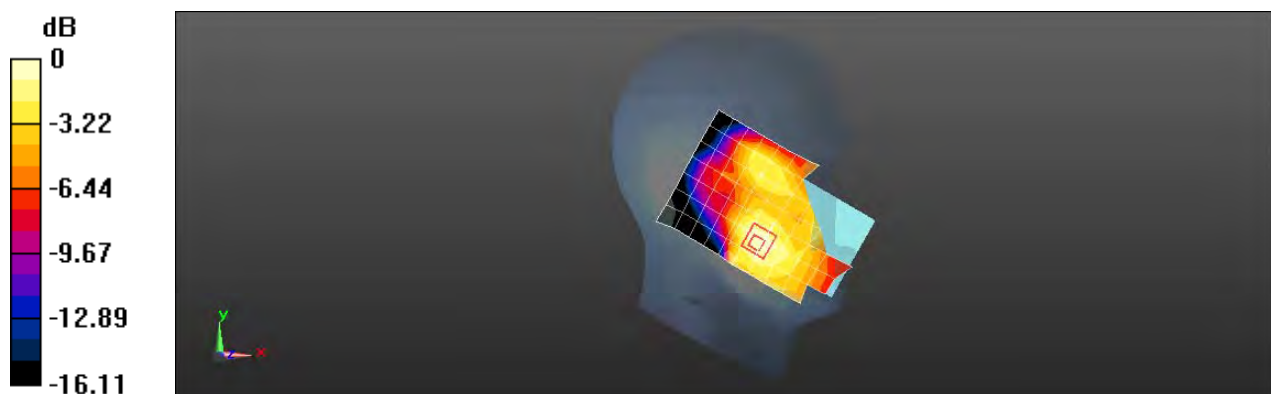
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.312 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.106 W/kg**

Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg = -6.62 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 4 20M QPSK 1RB0 20175CH Back side 15mm Ant 1**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.476$  S/m;  $\epsilon_r = 52.242$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.3, 8.3, 8.3); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.249 W/kg

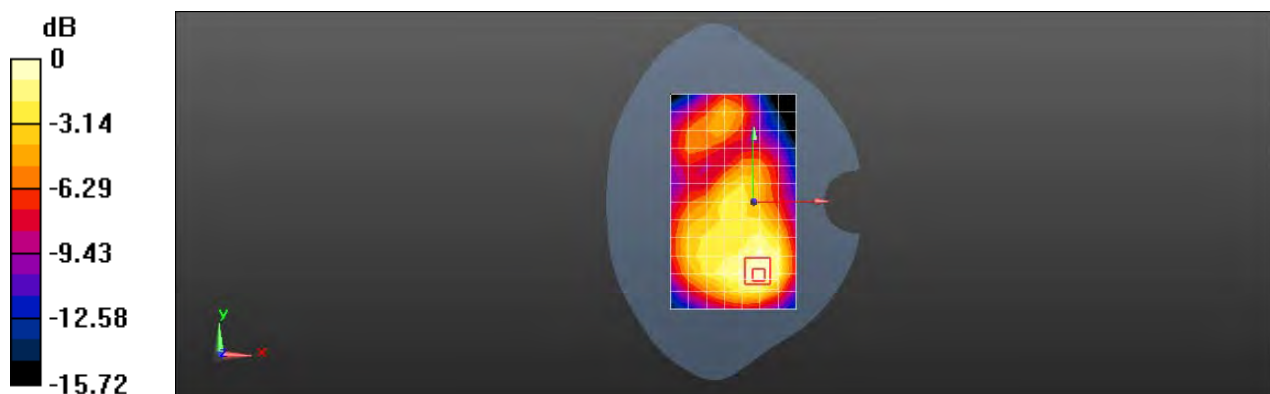
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.796 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.284 W/kg

**SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.104 W/kg**

Maximum value of SAR (measured) = 0.235 W/kg



0 dB = 0.235 W/kg = -6.29 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 4 20M QPSK 1RB0 20175CH Bottom side 10mm Ant 1**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.476$  S/m;  $\epsilon_r = 52.242$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.3, 8.3, 8.3); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.845 W/kg

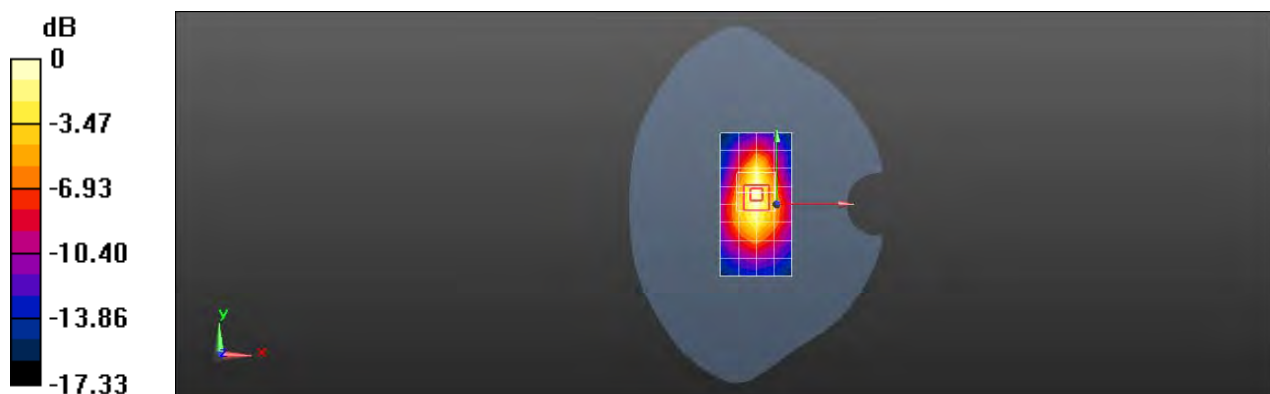
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.07 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.313 W/kg**

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



0 dB = 0.856 W/kg = -0.68 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 4 20M QPSK 1RB0 20175CH Right cheek Ant 2**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

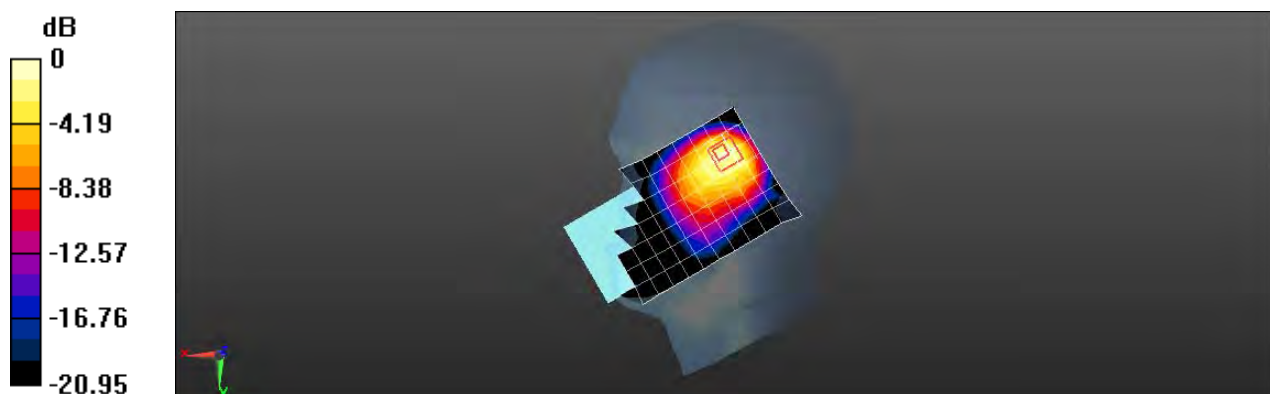
Medium: HSL1750; Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.301$  S/m;  $\epsilon_r = 40.465$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.44, 8.44, 8.44); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.849 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 15.97 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 1.33 W/kg  
**SAR(1 g) = 0.621 W/kg; SAR(10 g) = 0.327 W/kg**  
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

Test Laboratory: SGS-SAR Lab

## YAL-L21 LTE Band 4 20M QPSK 1RB0 20050CH Back side 15mm Ant 2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.464$  S/m;  $\epsilon_r = 52.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.3, 8.3, 8.3); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.278 W/kg

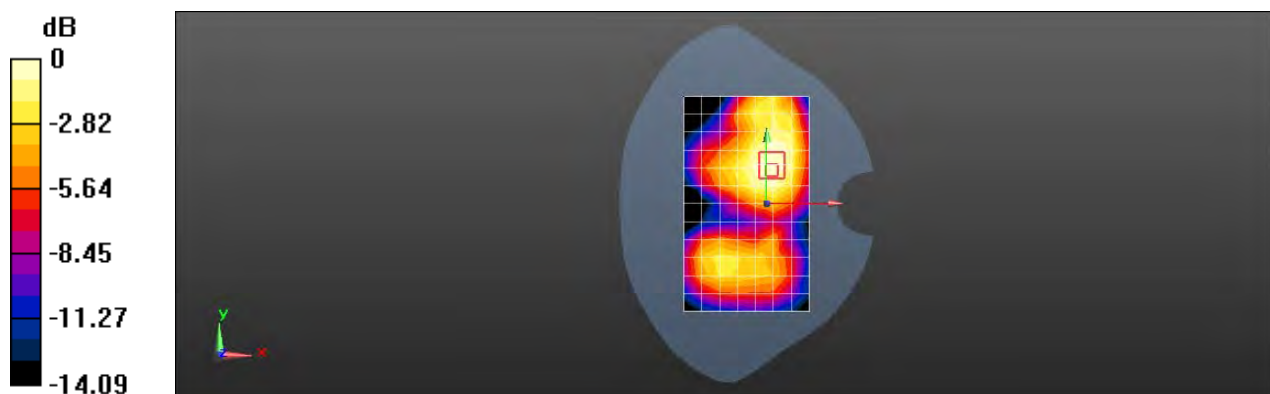
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.084 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.305 W/kg

**SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.132 W/kg**

Maximum value of SAR (measured) = 0.262 W/kg



Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 4 20M QPSK 1RB0 20050CH Left side 10mm Ant 2**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1720 MHz;Duty Cycle: 1:1

Medium: MSL1750;Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.464$  S/m;  $\epsilon_r = 52.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.3, 8.3, 8.3); Calibrated: 2019-02-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2018-09-18
- Phantom: SAM 6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.624 W/kg

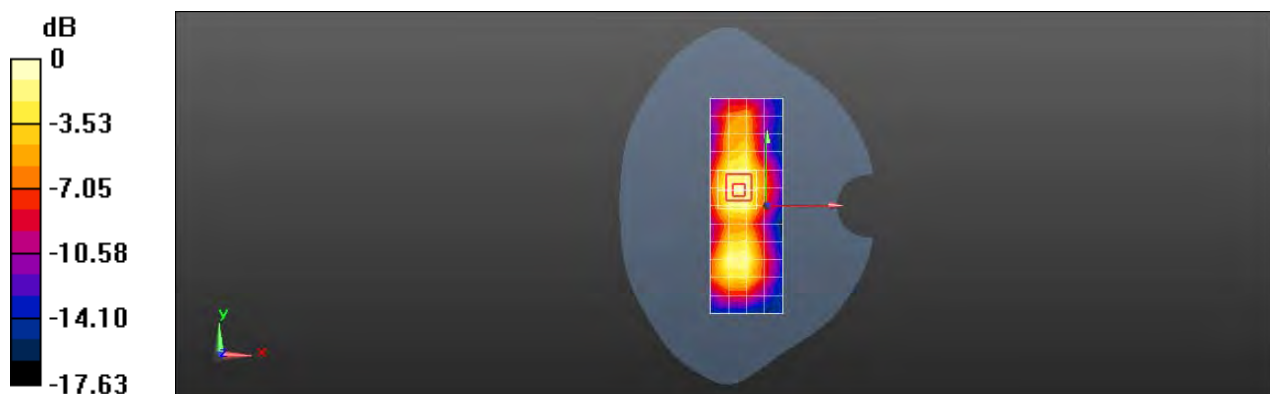
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.43 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.893 W/kg

**SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.308 W/kg**

Maximum value of SAR (measured) = 0.751 W/kg



0 dB = 0.751 W/kg = -1.24 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 5 10M QPSK 1RB0 20600CH Right cheek Ant1**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz;Duty Cycle: 1:1

Medium: HSL835;Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.918$  S/m;  $\epsilon_r = 40.893$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.04, 9.04, 9.04); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.0863 W/kg

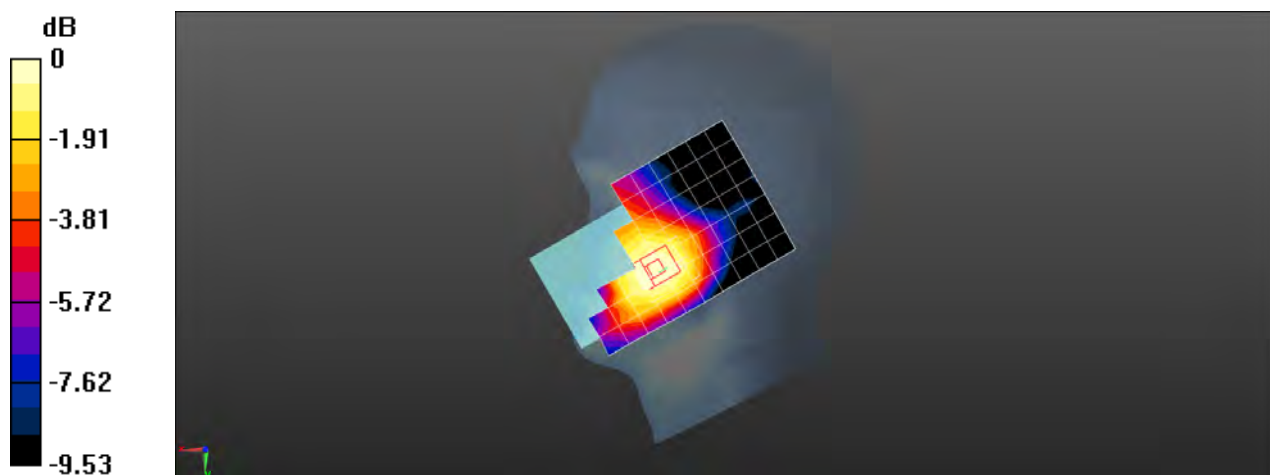
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0970 W/kg

**SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.058 W/kg**

Maximum value of SAR (measured) = 0.0857 W/kg



0 dB = 0.0857 W/kg = -10.67 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 5 10M QPSK 1RB0 20600CH Back side 15mm Ant1**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.993$  S/m;  $\epsilon_r = 55.253$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.314 W/kg

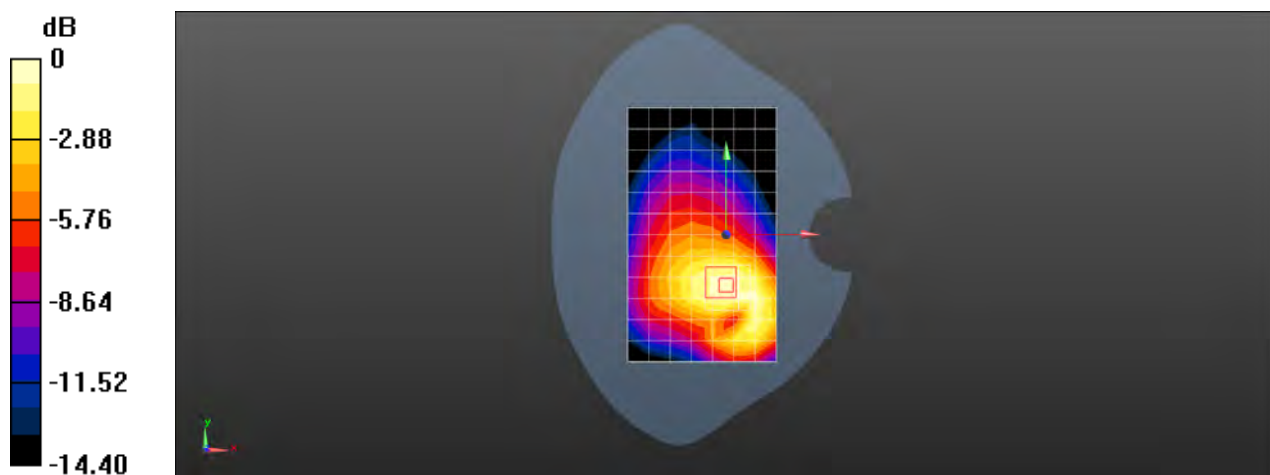
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.431 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.399 W/kg

**SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.165 W/kg**

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



0 dB = 0.342 W/kg = -4.66 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 5 10M QPSK 1RB0 20600CH Back side 10mm Ant1**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.993$  S/m;  $\epsilon_r = 55.253$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.715 W/kg

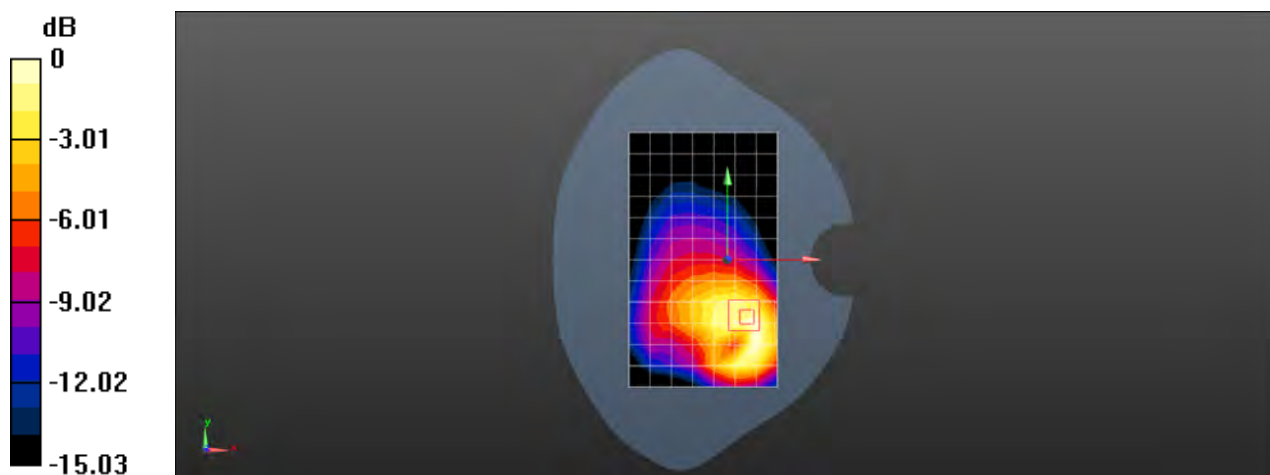
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.48 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.887 W/kg

**SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.288 W/kg**

Maximum value of SAR (measured) = 0.728 W/kg



0 dB = 0.728 W/kg = -1.38 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 5 10M QPSK 1RB0 20525CH Right cheek Ant2**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

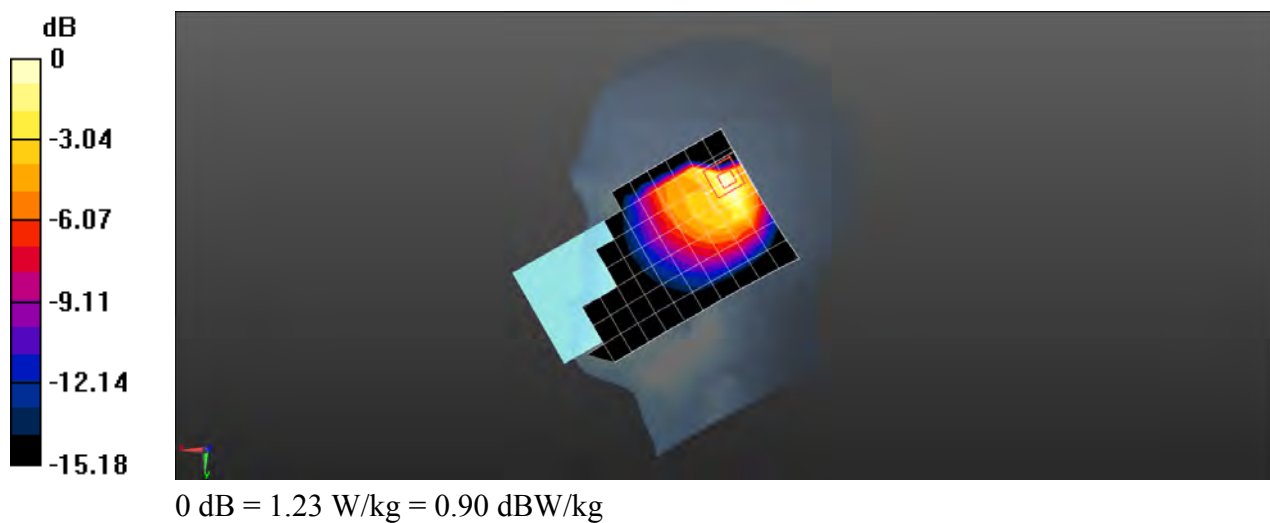
Medium: HSL835; Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 40.933$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.04, 9.04, 9.04); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.18 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 21.17 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 1.58 W/kg  
**SAR(1 g) = 0.724 W/kg; SAR(10 g) = 0.393 W/kg**  
Maximum value of SAR (measured) = 1.23 W/kg



Test Laboratory: SGS-SAR Lab

## YAL-L21 LTE Band 5 10M QPSK 1RB0 20525CH Back side 15mm Ant2

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.987$  S/m;  $\epsilon_r = 55.311$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.302 W/kg

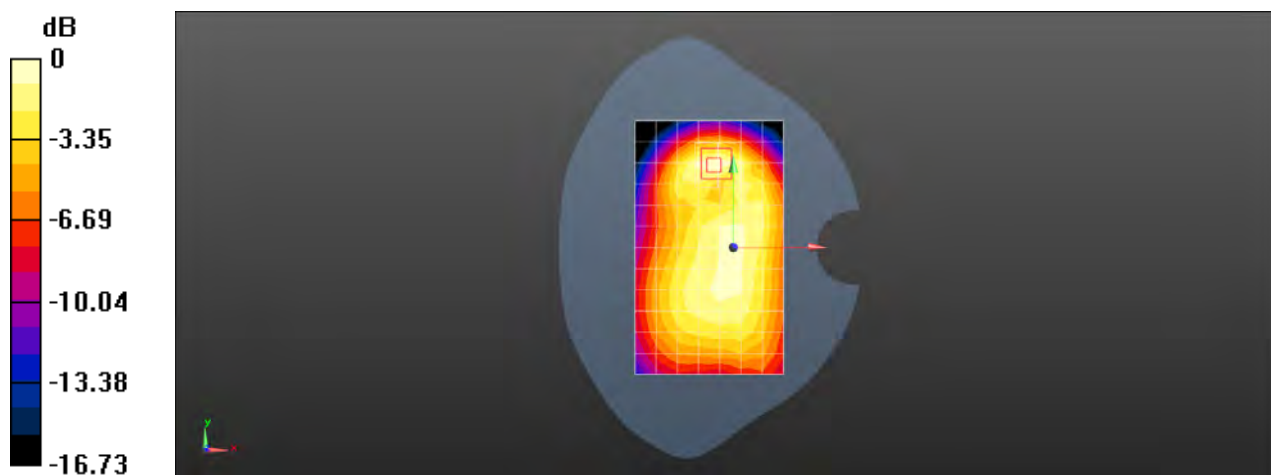
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.11 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.376 W/kg

**SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.130 W/kg**

Maximum value of SAR (measured) = 0.312 W/kg



Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 5 10M QPSK 25RB0 20450CH Back side 10mm Ant2**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000087**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used:  $f = 829$  MHz;  $\sigma = 0.98$  S/m;  $\epsilon_r = 55.43$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.11, 9.11, 9.11); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.510 W/kg

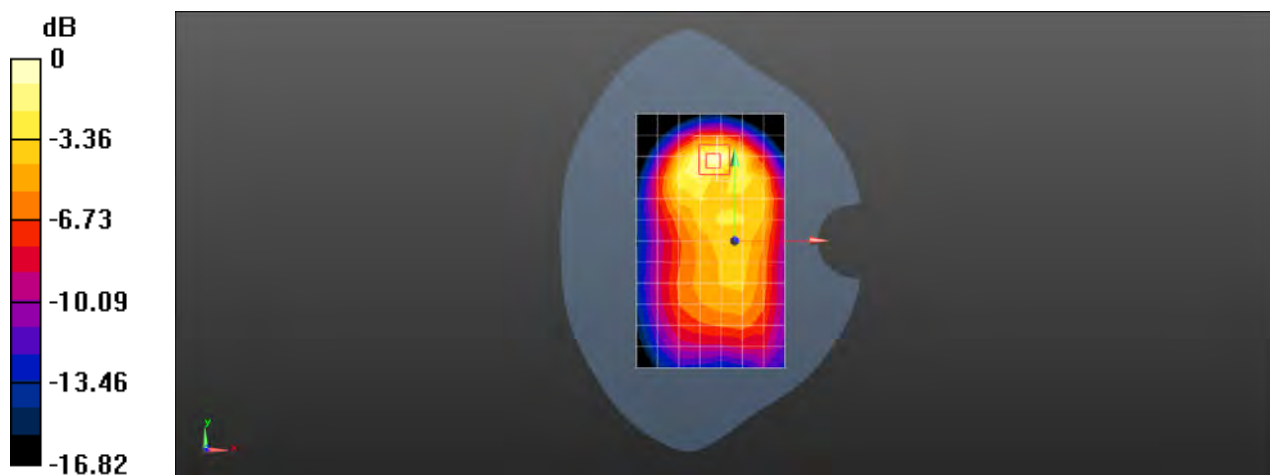
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.31 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.674 W/kg

**SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.210 W/kg**

Maximum value of SAR (measured) = 0.560 W/kg



0 dB = 0.560 W/kg = -2.52 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 7 20M QPSK 1RB99 21100CH Left cheek Ant1**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: HSL2600; Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.915$  S/m;  $\epsilon_r = 39.637$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(6.93, 6.93, 6.93); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.427 W/kg

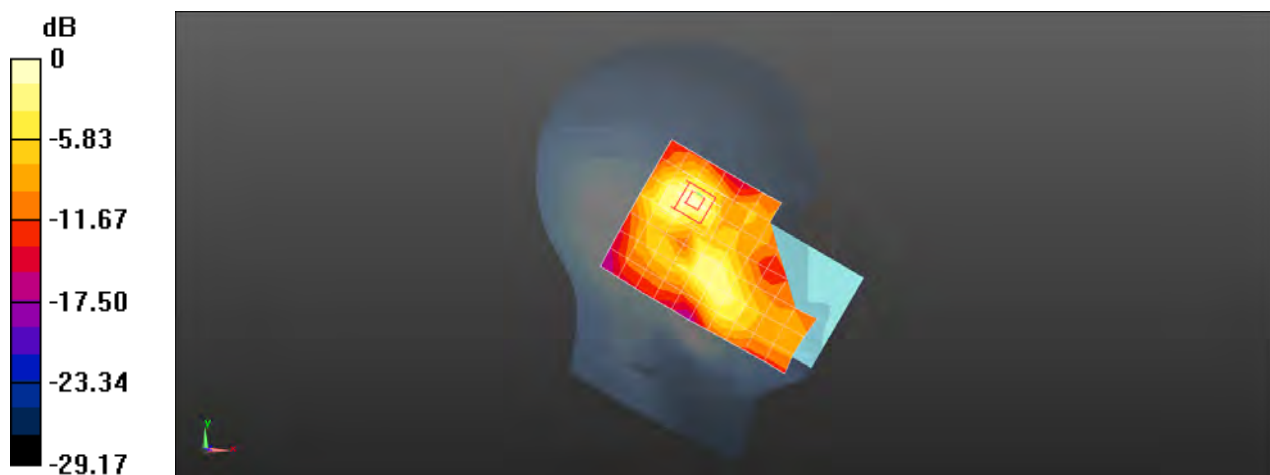
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.619 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.599 W/kg

**SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.163 W/kg**

Maximum value of SAR (measured) = 0.454 W/kg



0 dB = 0.454 W/kg = -3.43 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 7 20M QPSK 1RB50 21100CH Back side 15mm Ant1**

**DUT:YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: MSL2600;Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.041$  S/m;  $\epsilon_r = 50.549$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.12, 7.12, 7.12); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.259 W/kg

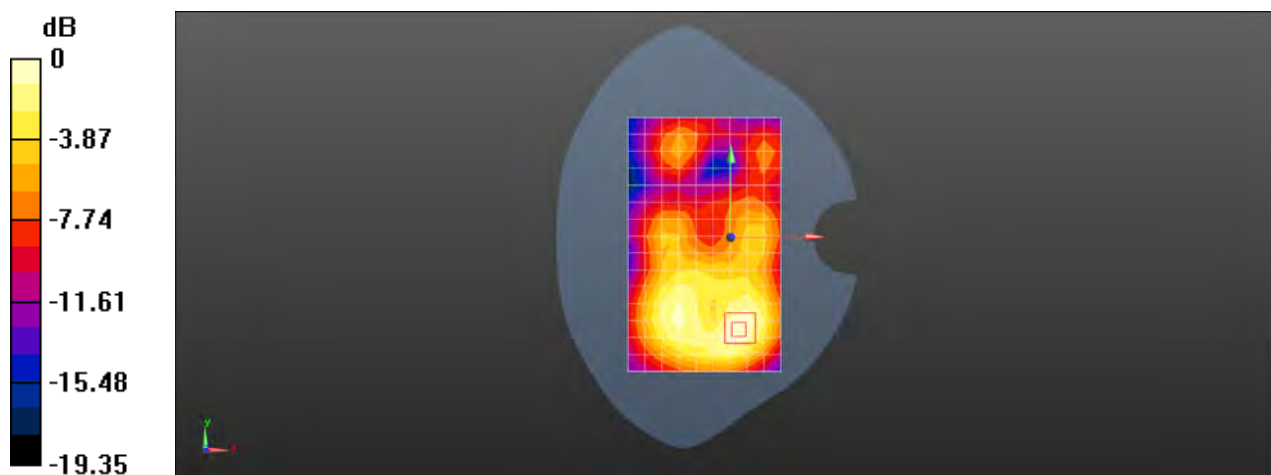
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.536 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.343 W/kg

**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.107 W/kg**

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



0 dB = 0.282 W/kg = -5.50 dBW/kg

Test Laboratory: SGS-SAR Lab

## **YAL-L21 LTE Band 7 20M QPSK 1RB50 21100CH Bottom side 10mm Ant1**

**DUT: YAL-L21; Type: Smart Phone; Serial: NXE119320000096**

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

Medium: MSL2600; Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.041$  S/m;  $\epsilon_r = 50.549$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.12, 7.12, 7.12); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.600 W/kg

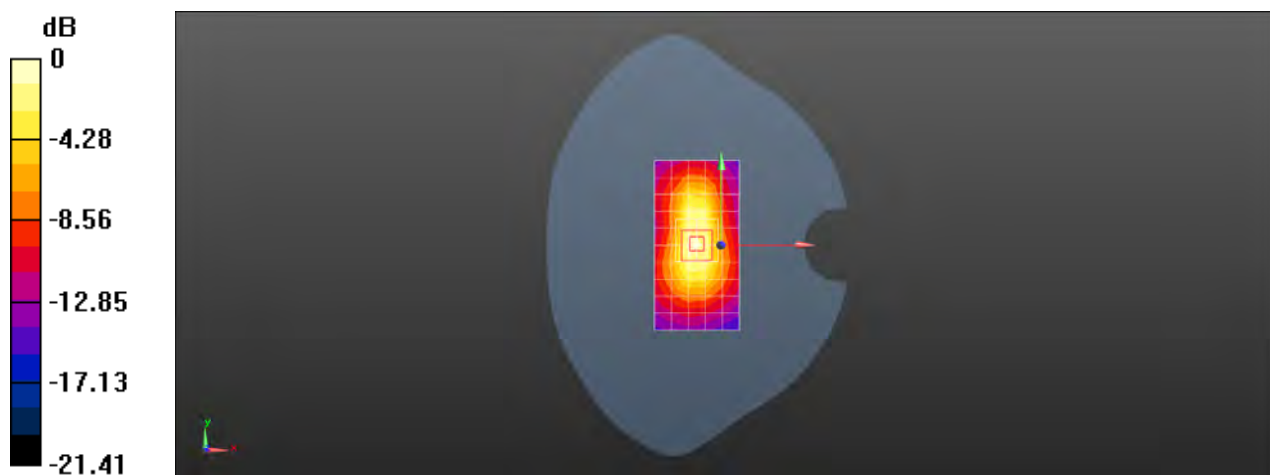
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.01 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.933 W/kg

**SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.245 W/kg**

Maximum value of SAR (measured) = 0.766 W/kg



0 dB = 0.766 W/kg = -1.16 dBW/kg