

**Appendix B DASY Measurement Results**

Table of contents
GSM850 Head (second antenna)
GSM850 Body-worn (second antenna)
GSM850 Hotspot (second antenna)
GSM1900 Head (second antenna)
GSM1900 Body-worn (second antenna)
GSM1900 Hotspot (second antenna)
UMTS BAND II Head (second antenna)
UMTS BAND II Body-worn (second antenna)
UMTS BAND II Hotspot (second antenna)
UMTS BAND IV Head (second antenna)
UMTS BAND IV Body-worn (second antenna)
UMTS BAND IV Hotspot (second antenna)
UMTS BAND V Head (second antenna)
UMTS BAND V Body-worn (second antenna)
UMTS BAND V Hotspot (second antenna)
LTE BAND II Head (second antenna)
LTE BAND II Body-worn (second antenna)
LTE BAND II Hotspot (second antenna)
LTE BAND IV Head (second antenna)
LTE BAND IV Body-worn (second antenna)
LTE BAND IV Hotspot (second antenna)
LTE BAND V Head (second antenna)
LTE BAND V Body-worn (second antenna)
LTE BAND V Hotspot (second antenna)
LTE BAND VII Head (second antenna)
LTE BAND VII Body-worn (second antenna)
LTE BAND VII Hotspot (second antenna)
LTE BAND XII Head (second antenna)
LTE BAND XII Body-worn (second antenna)
LTE BAND XII Hotspot (second antenna)
LTE BAND XII Product Specific 10-g SAR(second antenna)
LTE BAND XIV Head (second antenna)
LTE BAND XIV Body-worn (second antenna)
LTE BAND XIV Hotspot (second antenna)



LTE BAND XVIII Head (second antenna)
LTE BAND XVIII Body-worn (second antenna)
LTE BAND XVIII Hotspot (second antenna)
LTE BAND XXX Head (second antenna)
LTE BAND XXX Body-worn (second antenna)
LTE BAND XXX Hotspot (second antenna)
LTE BAND LXVI Head (second antenna)
LTE BAND LXVI Body-worn (second antenna)
LTE BAND LXVI Hotspot (second antenna)
GSM850 Head (main antenna)
GSM850 Body-worn (main antenna)
GSM850 Hotspot (main antenna)
GSM1900 Head (main antenna)
GSM1900 Body-worn (main antenna)
GSM1900 Hotspot (main antenna)
GSM1900 Product Specific 10-g SAR (main antenna)
UMTS BAND II Head (main antenna)
UMTS BAND II Body-worn (main antenna)
UMTS BAND II Hotspot (main antenna)
UMTS BAND II Product Specific 10-g SAR (main antenna)
UMTS BAND IV Head (main antenna)
UMTS BAND IV Body-worn (main antenna)
UMTS BAND IV Hotspot (main antenna)
UMTS BAND IV Product Specific 10-g SAR (main antenna)
UMTS BAND V Head (main antenna)
UMTS BAND V Body-worn (main antenna)
UMTS BAND V Hotspot (main antenna)
LTE BAND II Head (main antenna)
LTE BAND II Body-worn (main antenna)
LTE BAND II Hotspot (main antenna)
LTE BAND II Product Specific 10-g SAR (main antenna)
LTE BAND IV Head (main antenna)
LTE BAND IV Body-worn (main antenna)
LTE BAND IV Hotspot (main antenna)
LTE BAND IV Product Specific 10-g SAR (main antenna)
LTE BAND V Head (main antenna)
LTE BAND V Body-worn (main antenna)



LTE BAND V Hotspot (main antenna)
LTE BAND VII Head (main antenna)
LTE BAND VII Body-worn (main antenna)
LTE BAND VII Hotspot (main antenna)
LTE BAND XII Head (main antenna)
LTE BAND XII Body-worn (main antenna)
LTE BAND XII Hotspot (main antenna)
LTE BAND XIV Head (main antenna)
LTE BAND XIV Body-worn (main antenna)
LTE BAND XIV Hotspot (main antenna)
LTE BAND XVIII Head (main antenna)
LTE BAND XVIII Body-worn (main antenna)
LTE BAND XVIII Hotspot (main antenna)
LTE BAND XXX Head (main antenna)
LTE BAND XXX Body-worn (main antenna)
LTE BAND XXX Hotspot (main antenna)
LTE BAND XXX Product Specific 10-g SAR (main antenna)
LTE BAND LXVI Head (main antenna)
LTE BAND LXVI Body-worn (main antenna)
LTE BAND LXVI Hotspot (main antenna)
LTE BAND LXVI Product Specific 10-g SAR (main antenna)
WiFi 2.4G Head
WiFi 2.4G Body-worn
WiFi 2.4G Hotspot
WiFi 5G Head
WiFi 5G Body-worn
WiFi 5G Hotspot
WiFi 5G Product Specific 10-g SAR
BT Head
BT Hotspot
BT Product Specific 10-g SAR

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 GSM850 190CH Right Touch-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.923 \text{ S/m}$; $\epsilon_r = 40.17$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.22, 9.22, 9.22); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.29 W/kg

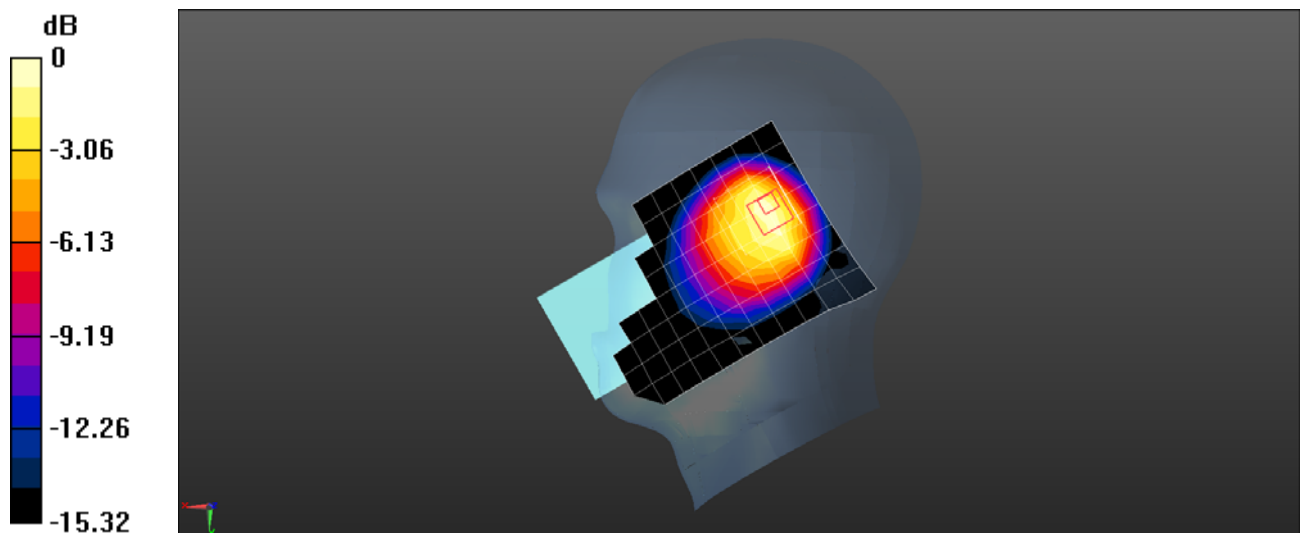
Configuration/Head/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.63 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.748 W/kg ; SAR(10 g) = 0.427 W/kg

Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.86 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 GSM850 190CH Front Side 15mm with Battery3-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 1.008$ S/m; $\epsilon_r = 54.193$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.36, 9.36, 9.36); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (14x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.355 W/kg

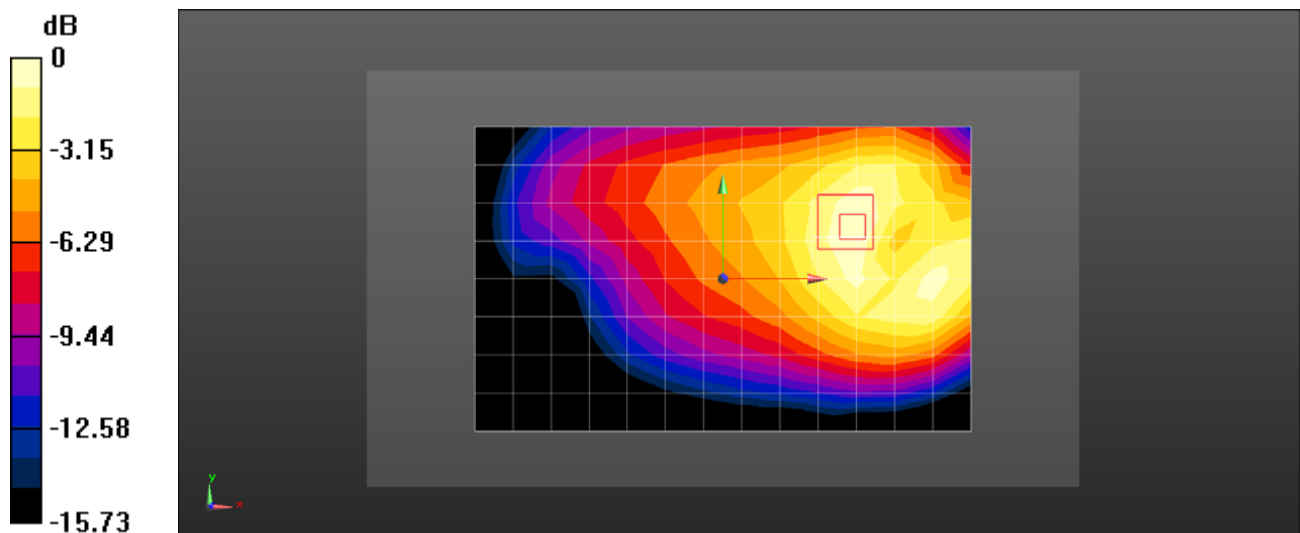
Configuration/Body/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.145 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.397 W/kg

SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 0.354 W/kg



0 dB = 0.354 W/kg = -4.51 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 GSM850 GPRS 2TS 190CH Front Side 10mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 837$ MHz; $\sigma = 1.008$ S/m; $\epsilon_r = 54.193$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.36, 9.36, 9.36); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (14x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.416 W/kg

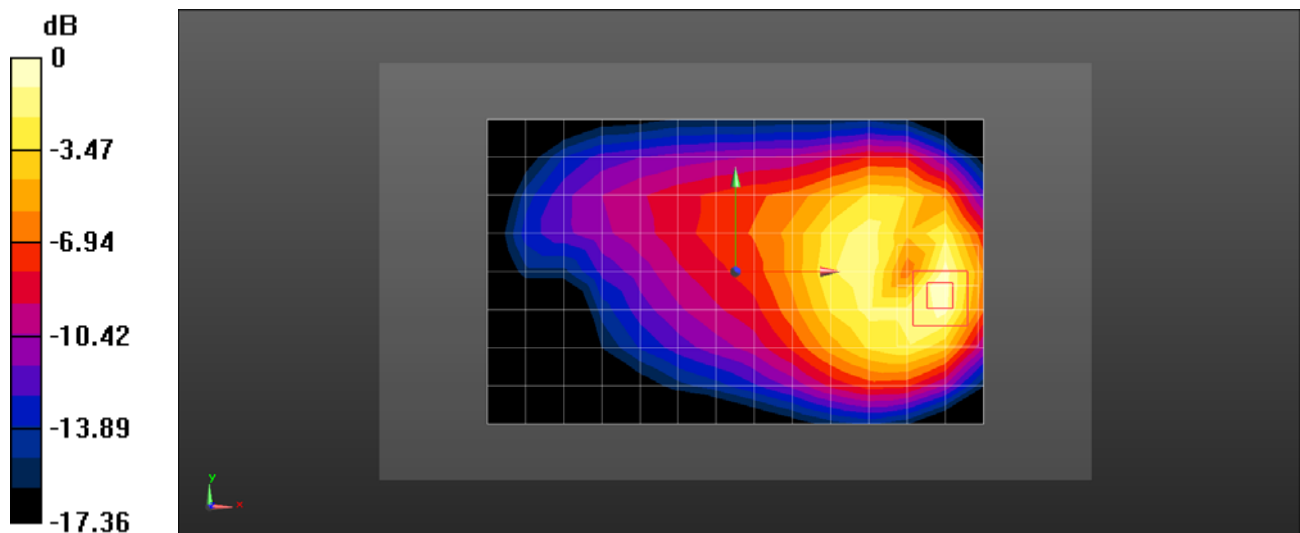
Configuration/Body/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.977 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.566 W/kg

SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.477 W/kg



0 dB = 0.477 W/kg = -3.22 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 GSM1900 512CH Left Touch-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.337$ S/m; $\epsilon_r = 40.423$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.73, 7.73, 7.73); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.816 W/kg

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

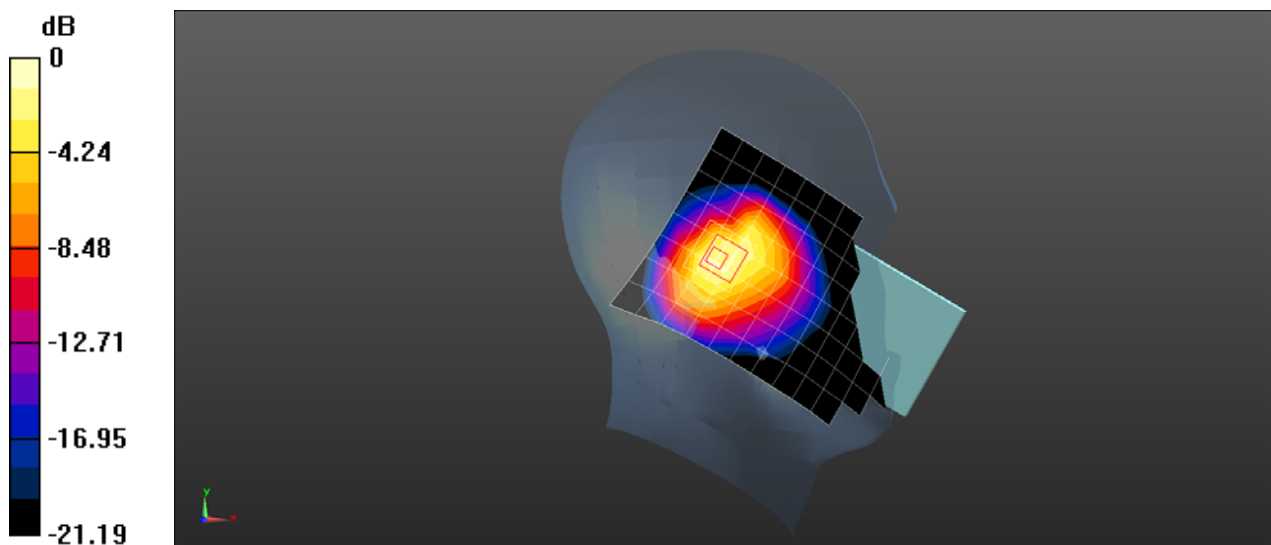
Reference Value = 20.45 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.739 W/kg; SAR(10 g) = 0.417 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.10 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 GSM1900 661CH Back Side 15mm with Battery2-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.55$ S/m; $\epsilon_r = 52.52$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (14x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.151 W/kg

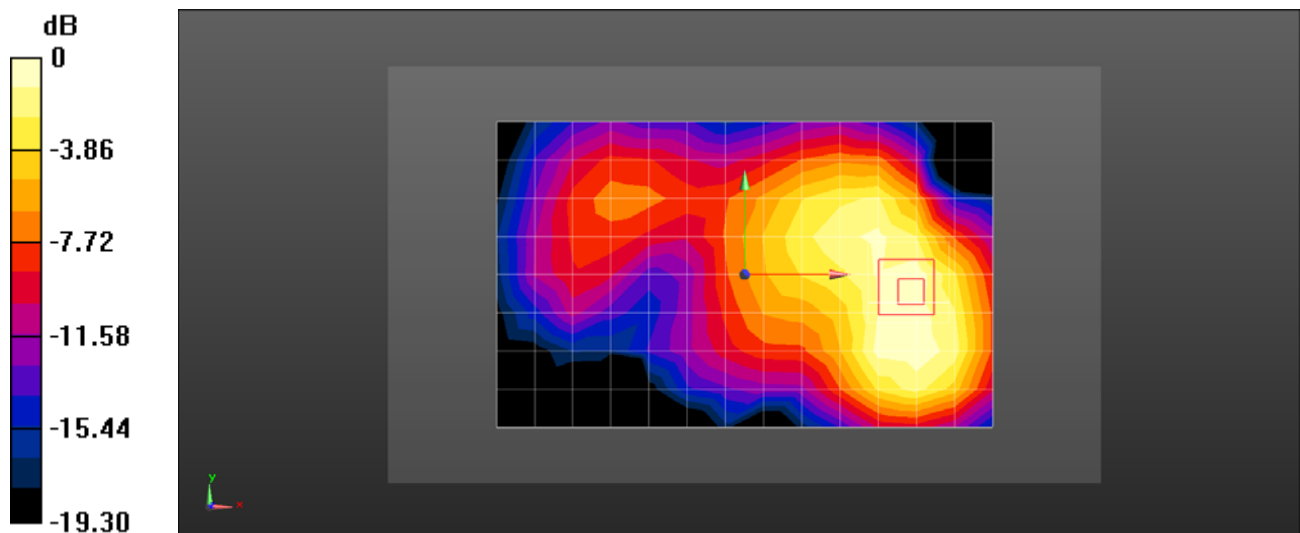
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.344 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.190 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.164 W/kg



0 dB = 0.164 W/kg = -7.84 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 GSM1900 GPRS 2TS 661CH Back Side 10mm with Battery2-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.55$ S/m; $\epsilon_r = 52.52$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (14x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.256 W/kg

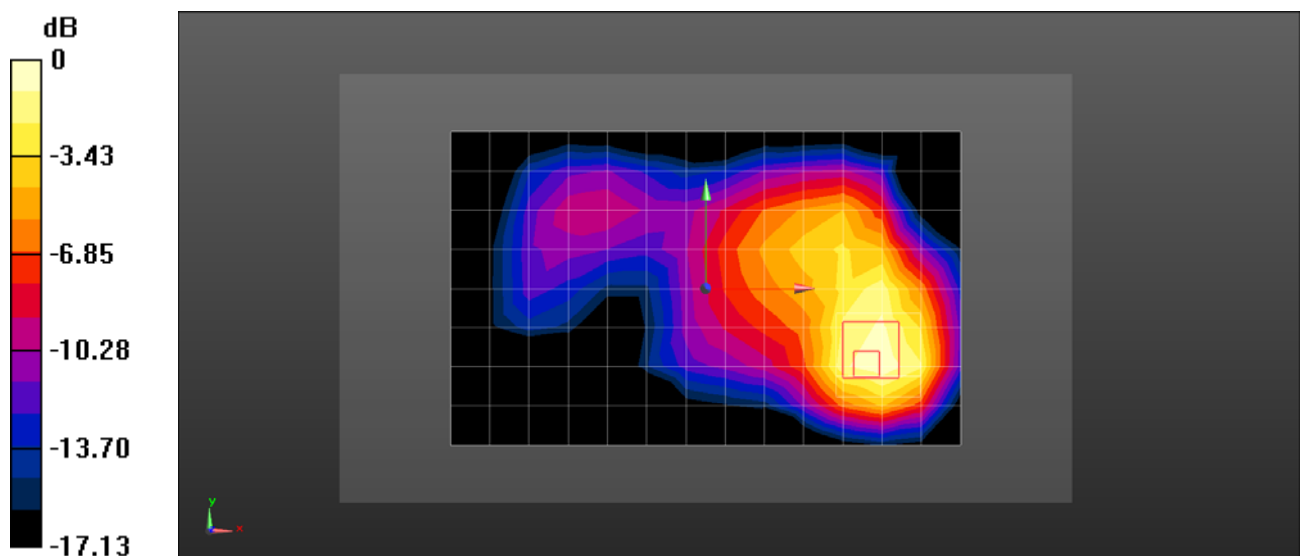
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.172 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.333 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.099 W/kg

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



0 dB = 0.268 W/kg = -5.72 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 UMTS Band II 9538CH Left Touch-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1908 \text{ MHz}$; $\sigma = 1.372 \text{ S/m}$; $\epsilon_r = 40.33$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.73, 7.73, 7.73); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.900 W/kg

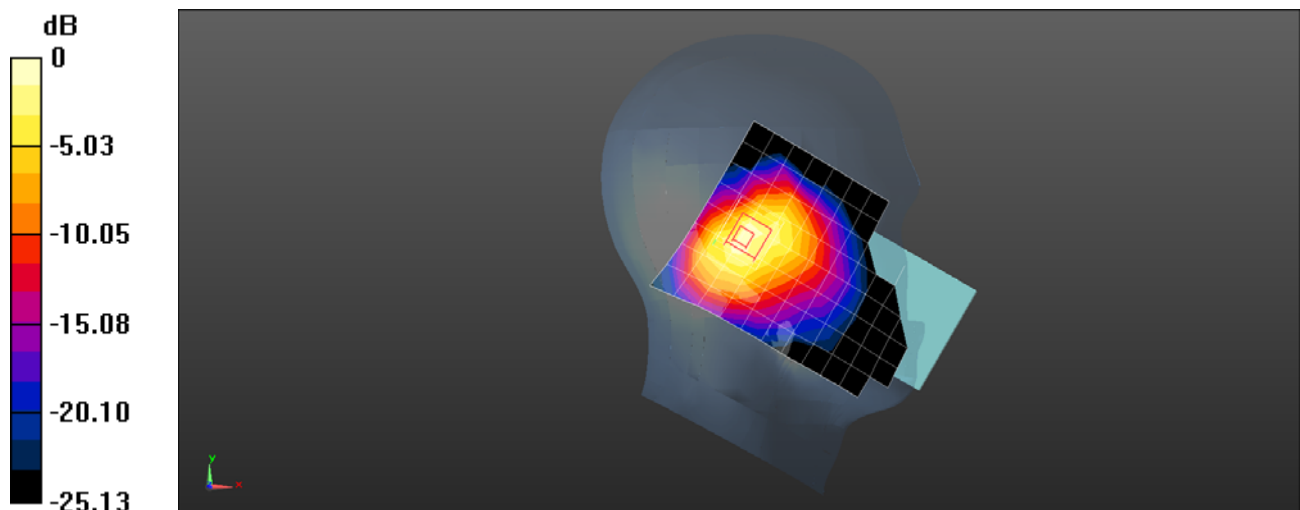
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.01 V/m ; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.726 W/kg ; SAR(10 g) = 0.402 W/kg

Maximum value of SAR (measured) = 0.984 W/kg



$0 \text{ dB} = 0.984 \text{ W/kg} = -0.07 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 UMTS Band II 9400CH Back Side 15mm with Battery2-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.55$ S/m; $\epsilon_r = 52.52$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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

Maximum value of SAR (measured) = 0.212 W/kg

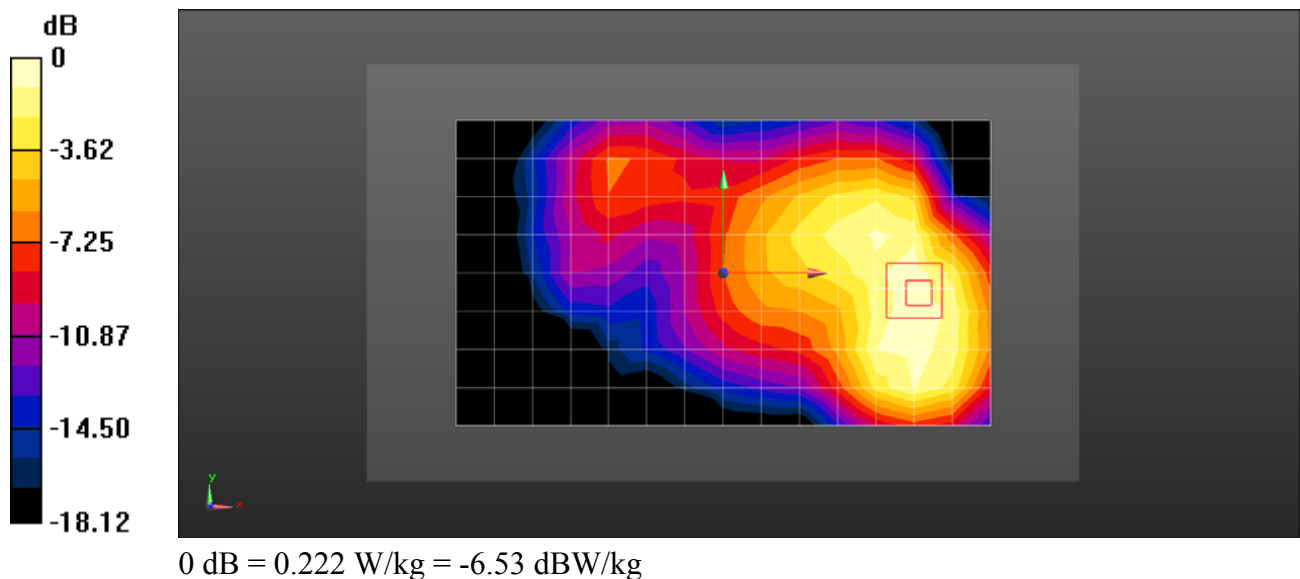
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.500 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.222 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 UMTS Band II 9400CH Front Side 10mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.55$ S/m; $\epsilon_r = 52.52$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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

Maximum value of SAR (measured) = 0.230 W/kg

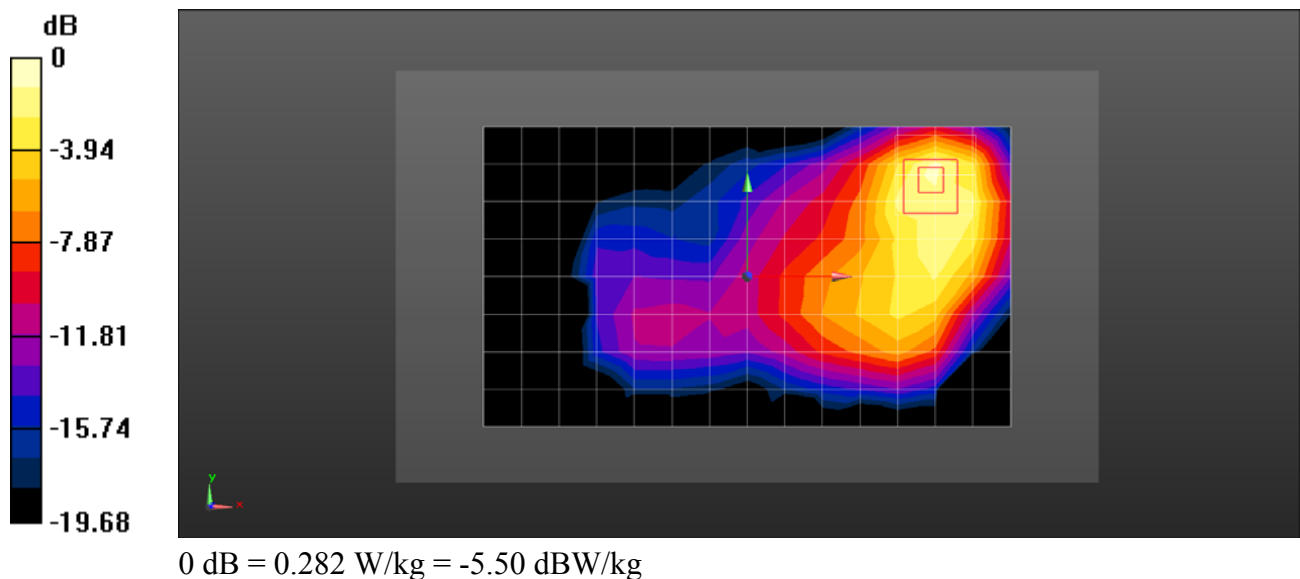
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.271 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.097 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 UMTS Band IV 1513CH Left Touch With Battery3-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 40.457$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(8.77, 8.77, 8.77); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

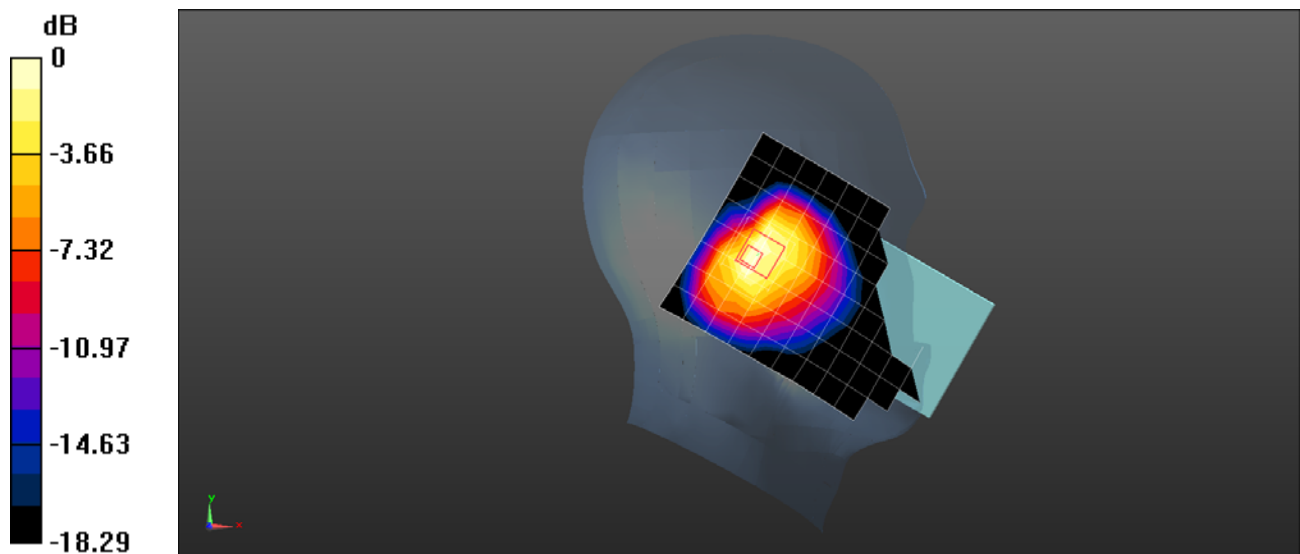
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.93 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.838 W/kg; SAR(10 g) = 0.501 W/kg

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



0 dB = 1.05 W/kg = 0.21 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 UMTS Band IV 1413CH Back Side 15mm with Battery3-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1733 \text{ MHz}$; $\sigma = 1.444 \text{ S/m}$; $\epsilon_r = 51.815$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(8.74, 8.74, 8.74); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SMA6; Type: QD000P40CD; Serial: TP:1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

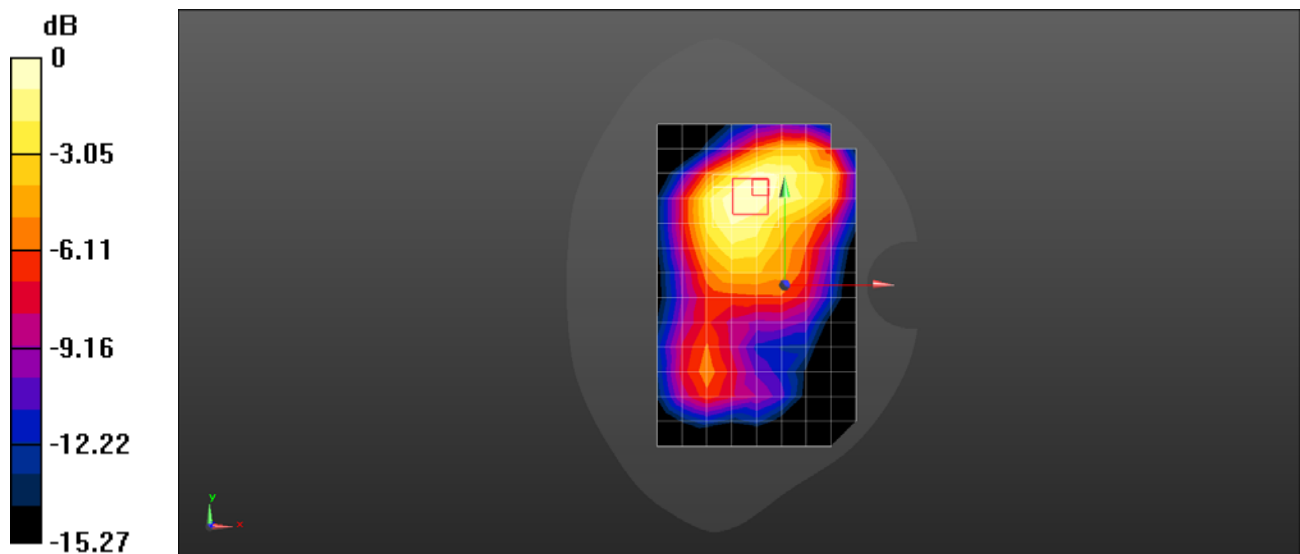
Configuration/Body/Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.181 V/m ; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.167 W/kg ; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.219 W/kg = -6.60 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 UMTS Band IV 1413CH Back Side 10mm with Battery3 -Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 51.815$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(8.74, 8.74, 8.74); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SMA6; Type: QD000P40CD; Serial: TP:1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.183 W/kg

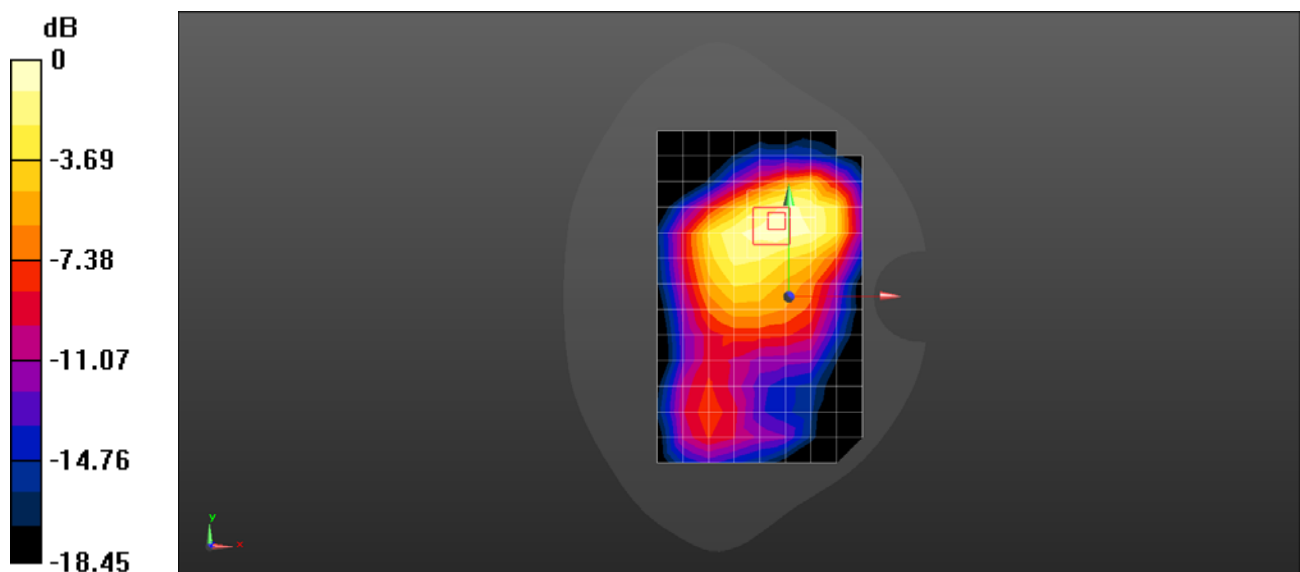
Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.388 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 0.210 W/kg



0 dB = 0.210 W/kg = -6.78 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 UMTS Band V 4182CH Left Touch-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 40.201$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3820; ConvF(9.6, 9.6, 9.6); Calibrated: 2017/6/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.954 W/kg

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

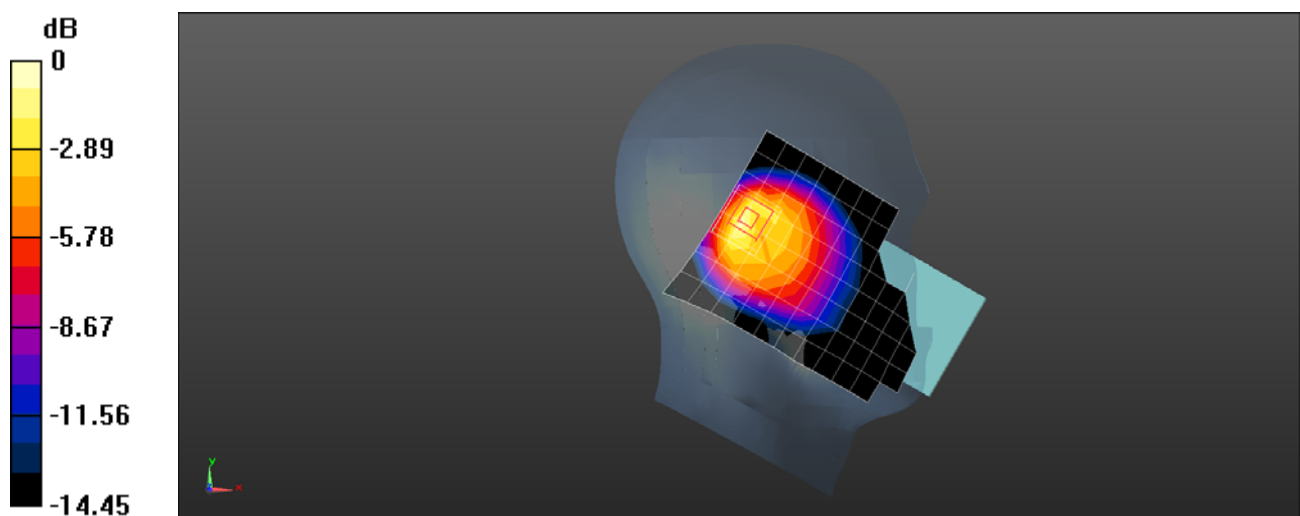
Reference Value = 18.47 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.664 W/kg; SAR(10 g) = 0.362 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.06 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 UMTS Band V 4182CH Front Side 15mm with Battery2-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 1.008$ S/m; $\epsilon_r = 54.094$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3820; ConvF(9.59, 9.59, 9.59); Calibrated: 2017/6/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (14x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

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

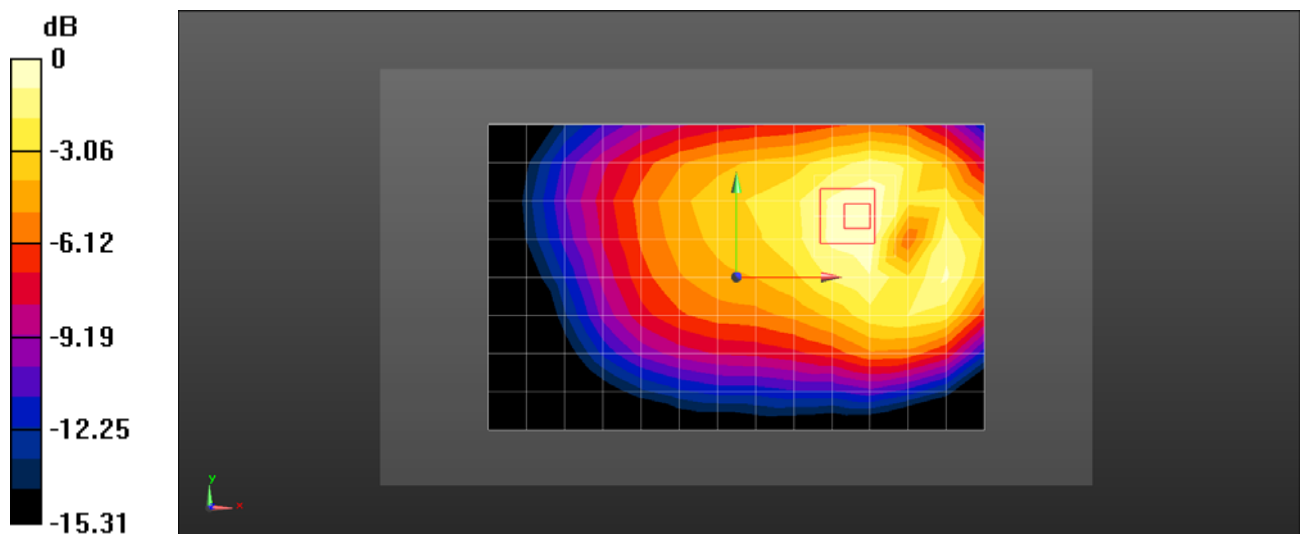
Reference Value = 11.20 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.225 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.397 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 UMTS Band V 4182CH Front Side 10mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 1.008$ S/m; $\epsilon_r = 54.094$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3820; ConvF(9.59, 9.59, 9.59); Calibrated: 2017/6/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.332 W/kg

Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

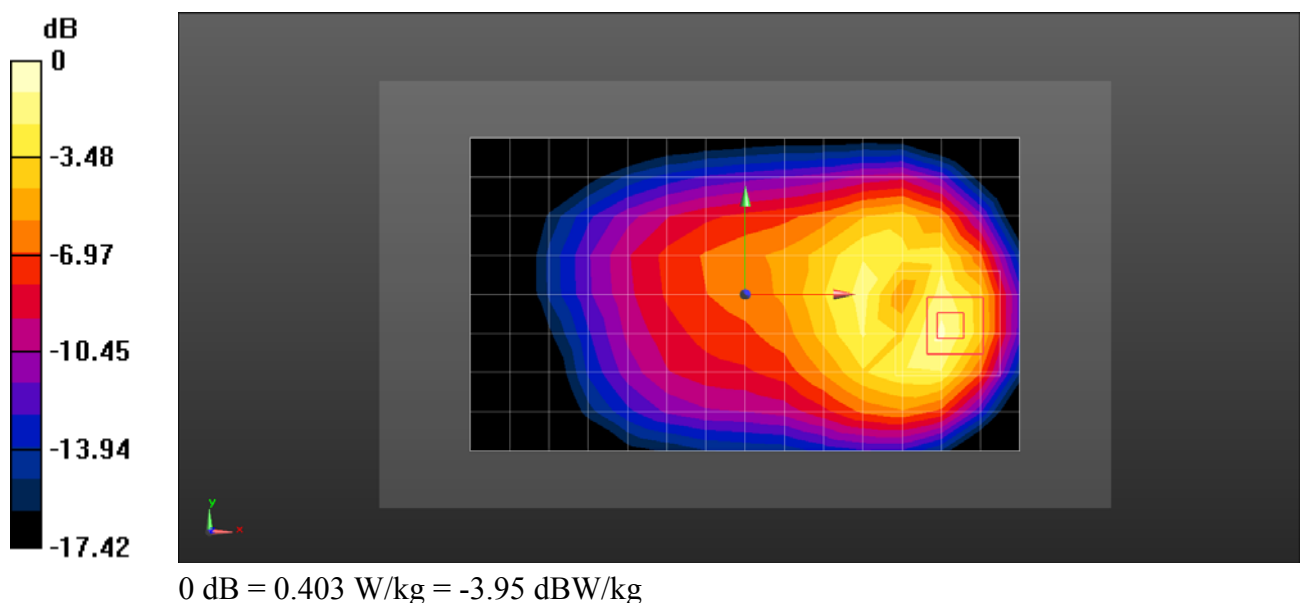
Reference Value = 8.756 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.163 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.403 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band II 20M QPSK 50%RB 0 offset 19100CH Left Touch with Battery2-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.367$ S/m; $\epsilon_r = 40.344$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.73, 7.73, 7.73); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

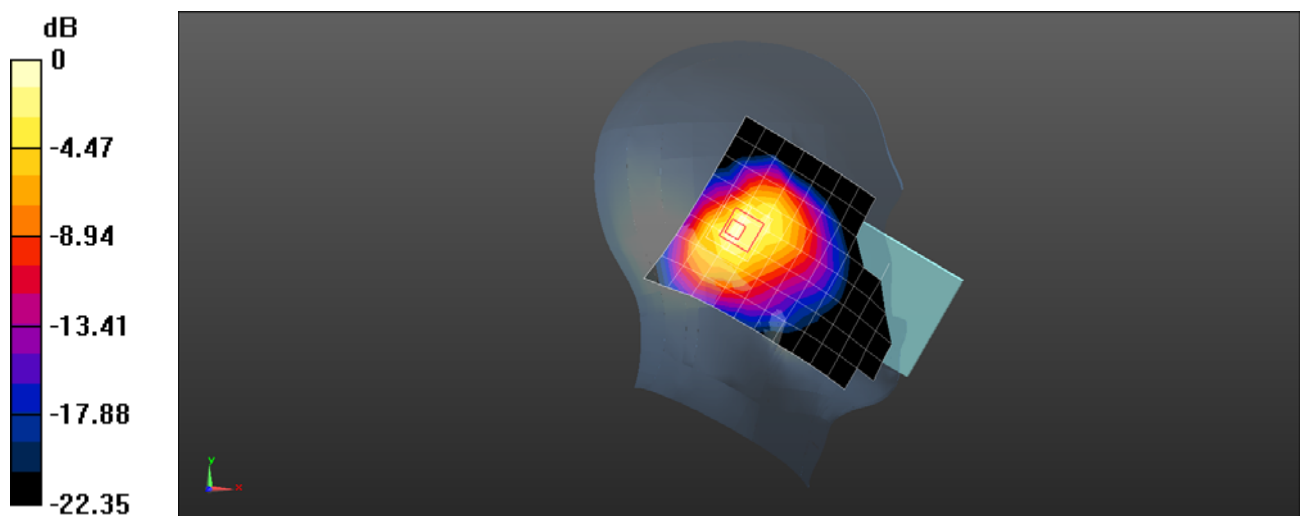
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.29 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.815 W/kg; SAR(10 g) = 0.453 W/kg

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



0 dB = 1.11 W/kg = 0.47 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band II 20M QPSK 1RB 99 offset 18900CH Back Side 15mm with Battery2-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ S/m}$; $\epsilon_r = 52.52$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (15x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.222 W/kg

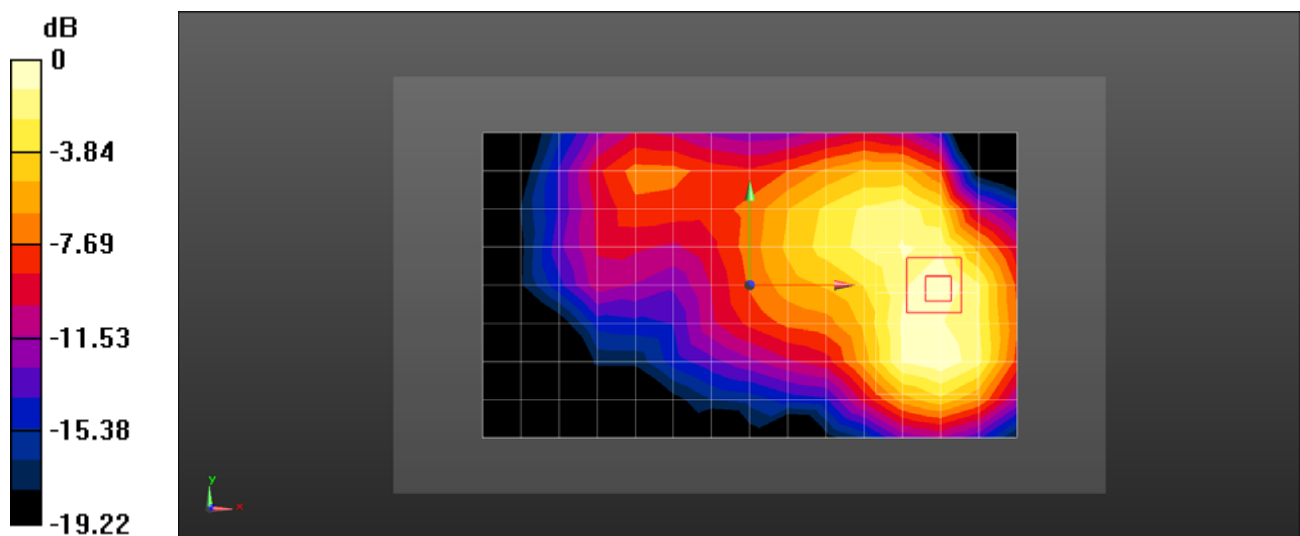
Configuration/Body/Zoom Scan (6x8x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.570 V/m ; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.261 W/kg

SAR(1 g) = 0.163 W/kg ; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 0.223 W/kg



0 dB = 0.223 W/kg = -6.51 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band II 20M QPSK 50%RB 0 offset 19100CH Front Side 10mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.559$ S/m; $\epsilon_r = 52.511$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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

Maximum value of SAR (measured) = 0.220 W/kg

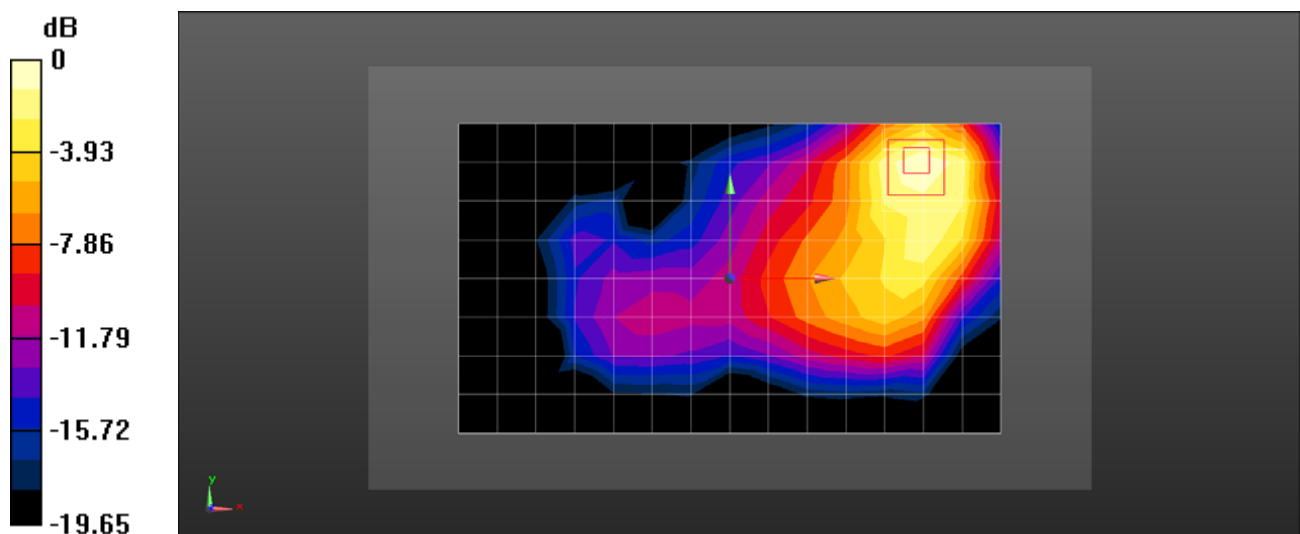
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.954 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.212 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band IV 20M QPSK 1RB 99 offset 20175CH Left Touch-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.303$ S/m; $\epsilon_r = 40.213$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(8.77, 8.77, 8.77); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.21 W/kg

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

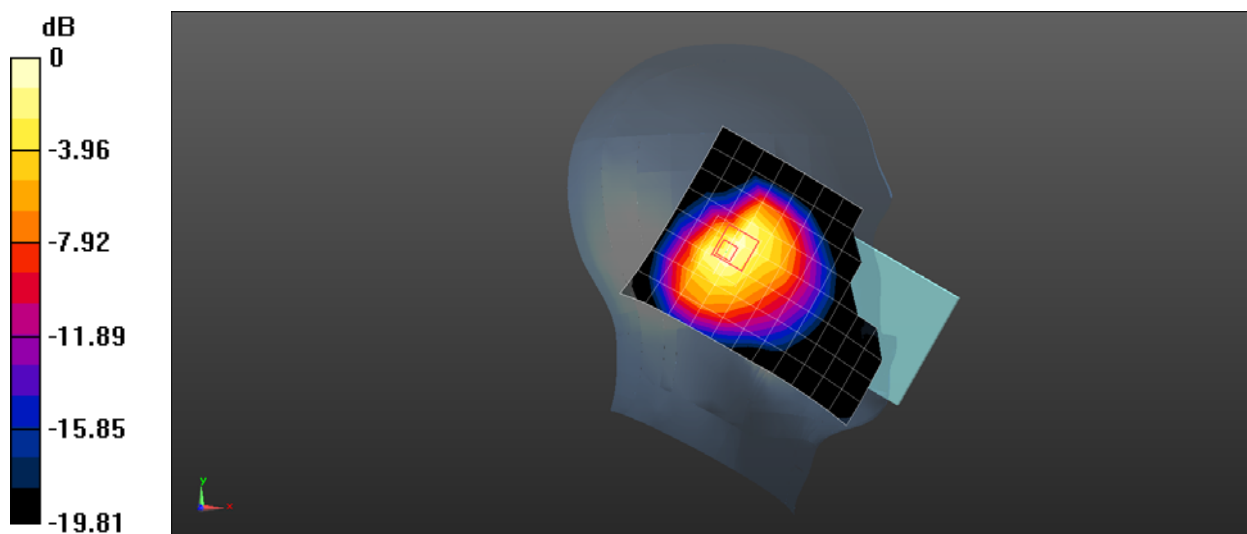
Reference Value = 24.29 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.632 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.40 W/kg



0 dB = 1.40 W/kg = 1.46 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band IV 20M QPSK 1RB 99 offset 20300CH Back Side 15mm With Battery3-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 51.518$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(8.74, 8.74, 8.74); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SMA6; Type: QD000P40CD; Serial: TP:1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.261 W/kg

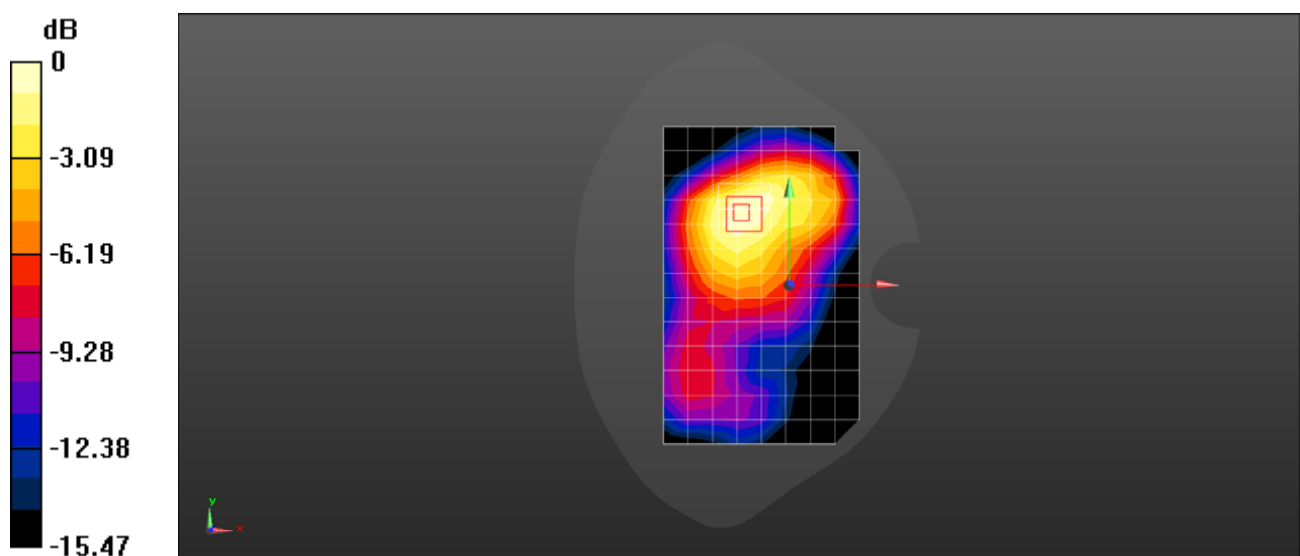
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.209 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.138 W/kg

Maximum value of SAR (measured) = 0.273 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band IV 20M QPSK 1RB 99 offset 20300CH Back Side 10mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 51.518$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(8.74, 8.74, 8.74); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SMA6; Type: QD000P40CD; Serial: TP:1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.226 W/kg

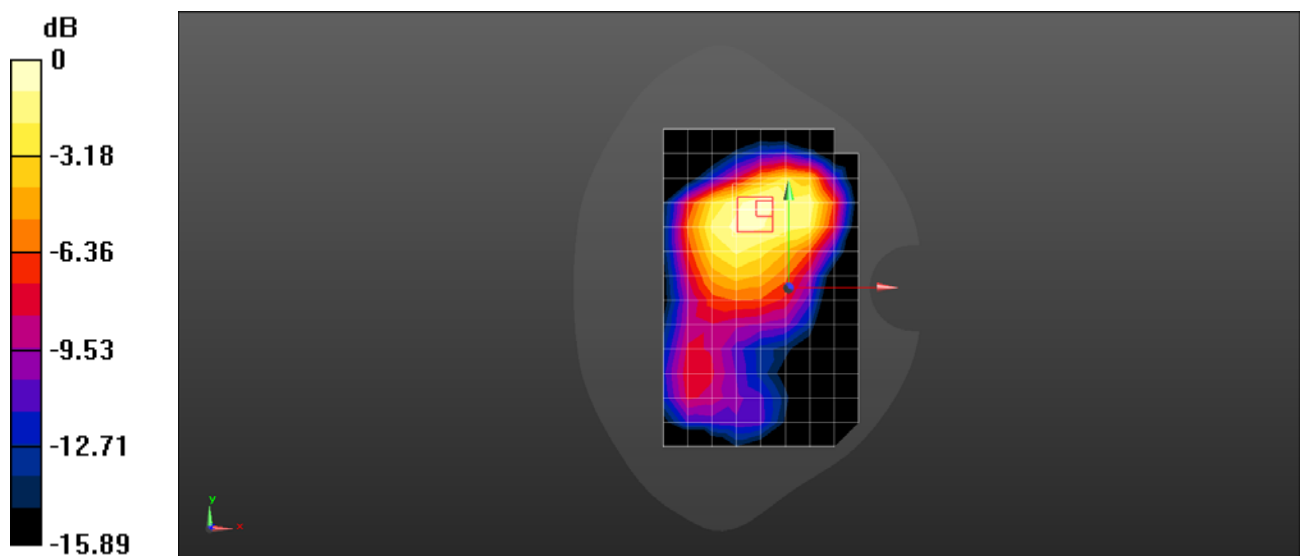
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.123 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.236 W/kg



0 dB = 0.236 W/kg = -6.27 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band V 10M QPSK 50%RB 25 offset 20600CH Left Touch-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 844 \text{ MHz}$; $\sigma = 0.934 \text{ S/m}$; $\epsilon_r = 42.189$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3820; ConvF(9.6, 9.6, 9.6); Calibrated: 2017/6/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.980 W/kg

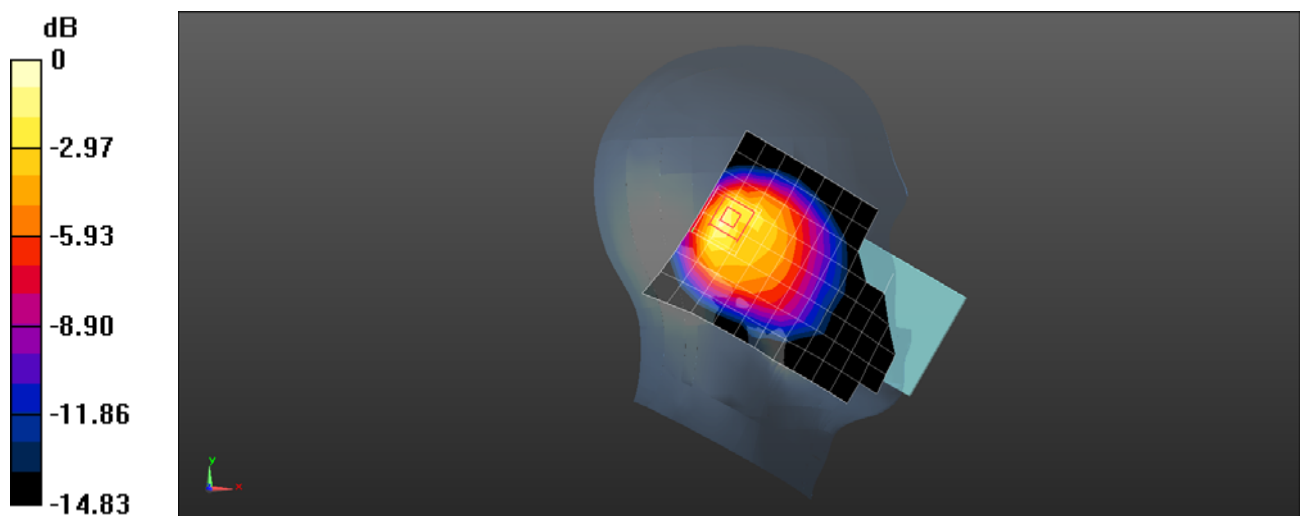
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.86 V/m ; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.691 W/kg ; SAR(10 g) = 0.375 W/kg

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



0 dB = 1.11 W/kg = 0.47 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE CA Band V PCC 10M QPSK 1RB 49 offset 20476CH and SCC 10M 1RB 0 offset 20575CH Back Side 15mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 831.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 832 \text{ MHz}$; $\sigma = 1.002 \text{ S/m}$; $\epsilon_r = 55.595$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.36, 9.36, 9.36); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/2
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (14x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.368 W/kg

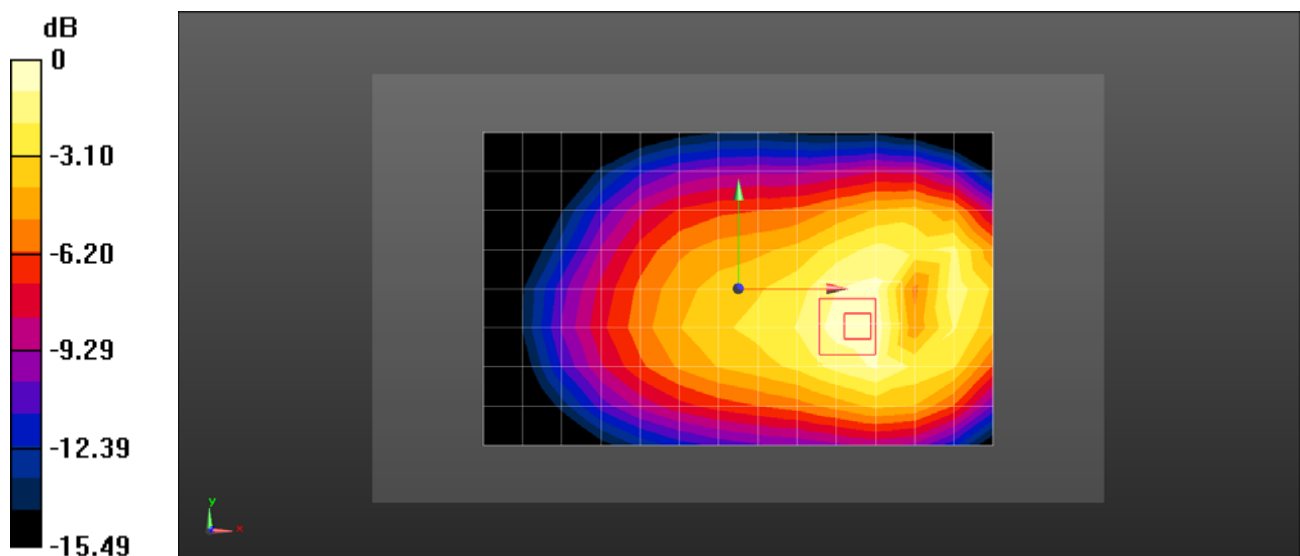
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.35 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.428 W/kg

SAR(1 g) = 0.309 W/kg ; SAR(10 g) = 0.214 W/kg

Maximum value of SAR (measured) = 0.388 W/kg



0 dB = 0.388 W/kg = -4.11 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band V 10M QPSK 1RB 49 offset 20450CH Back Side 10mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.982 \text{ S/m}$; $\epsilon_r = 53.628$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3820; ConvF(9.59, 9.59, 9.59); Calibrated: 2017/6/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (14x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.314 W/kg

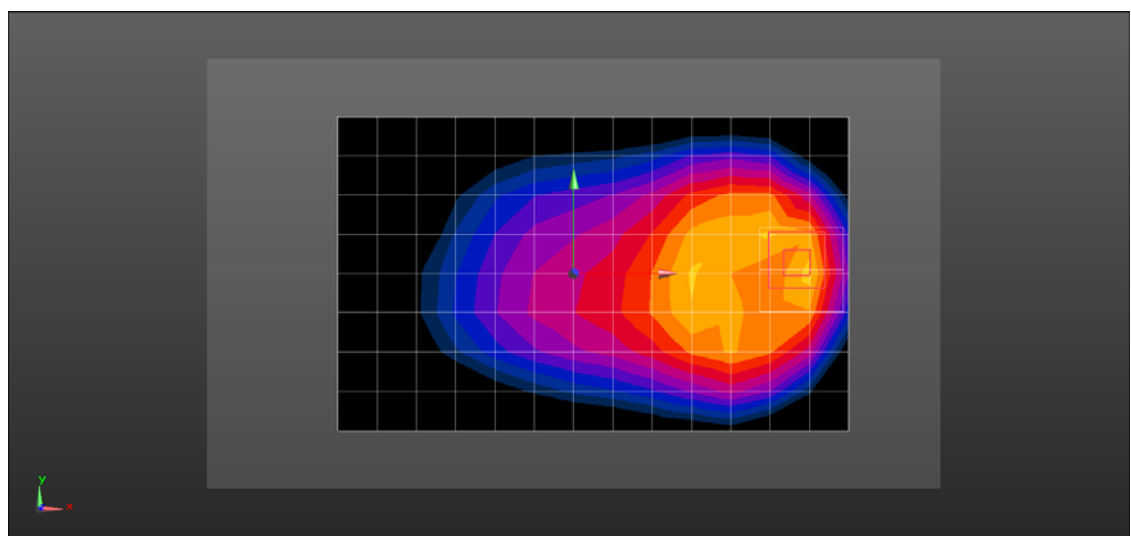
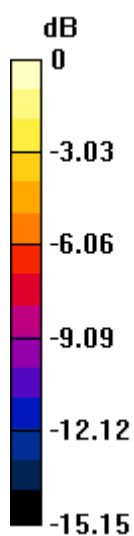
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.501 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.895 W/kg

SAR(1 g) = 0.539 W/kg ; SAR(10 g) = 0.322 W/kg

Maximum value of SAR (measured) = 0.715 W/kg



0 dB = 0.715 W/kg = -1.45 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band VII 20M QPSK 1RB 99 offset 21350CH Left Touch-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 39.56$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(7.69, 7.69, 7.69); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (11x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.10 W/kg

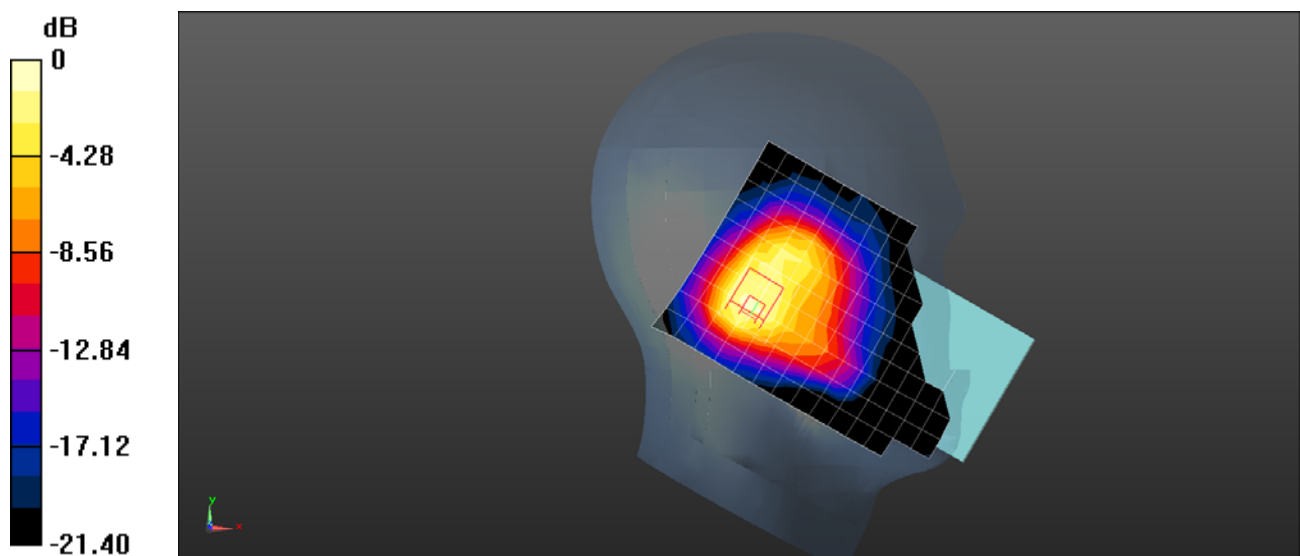
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 23.48 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.389 W/kg

Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band VII 20M QPSK 1RB 99 offset 21350CH Front side 15mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 2.104$ S/m; $\epsilon_r = 51.317$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(7.73, 7.73, 7.73); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SMA6; Type: QD000P40CD; Serial: TP:1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (11x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.137 W/kg

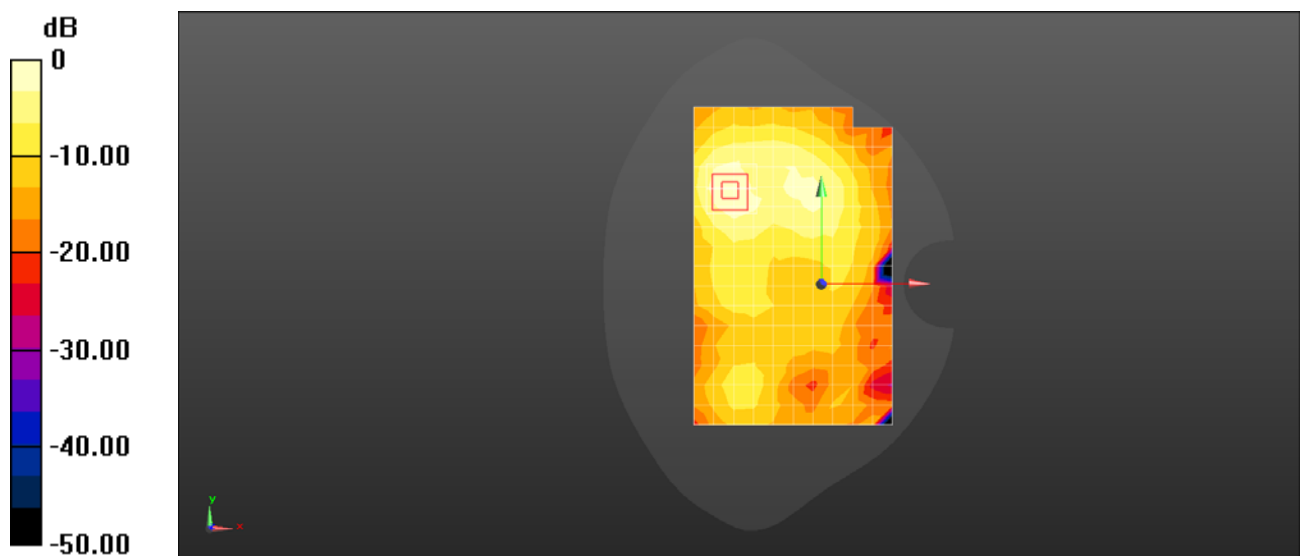
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.610 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.041 W/kg

Maximum value of SAR (measured) = 0.139 W/kg



0 dB = 0.139 W/kg = -8.57 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band VII 20M QPSK 50%RB 0 offset 21350CH Top side 10mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 2.026$ S/m; $\epsilon_r = 50.889$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(7.73, 7.73, 7.73); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SMA6; Type: QD000P40CD; Serial: TP:1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (6x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.506 W/kg

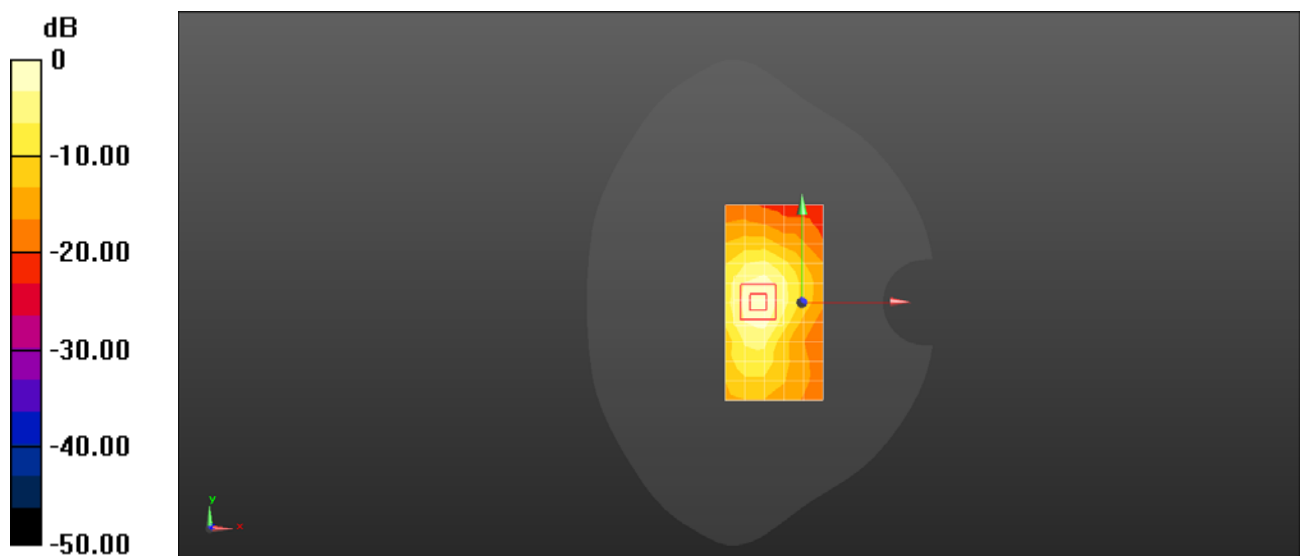
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.86 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.658 W/kg

SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.538 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XII 10M QPSK 50%RB 25 offset 23095CH Left Touch with Battery3-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.852$ S/m; $\epsilon_r = 43.172$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(10.61, 10.61, 10.61); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.00 W/kg

Configuration/Head/Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

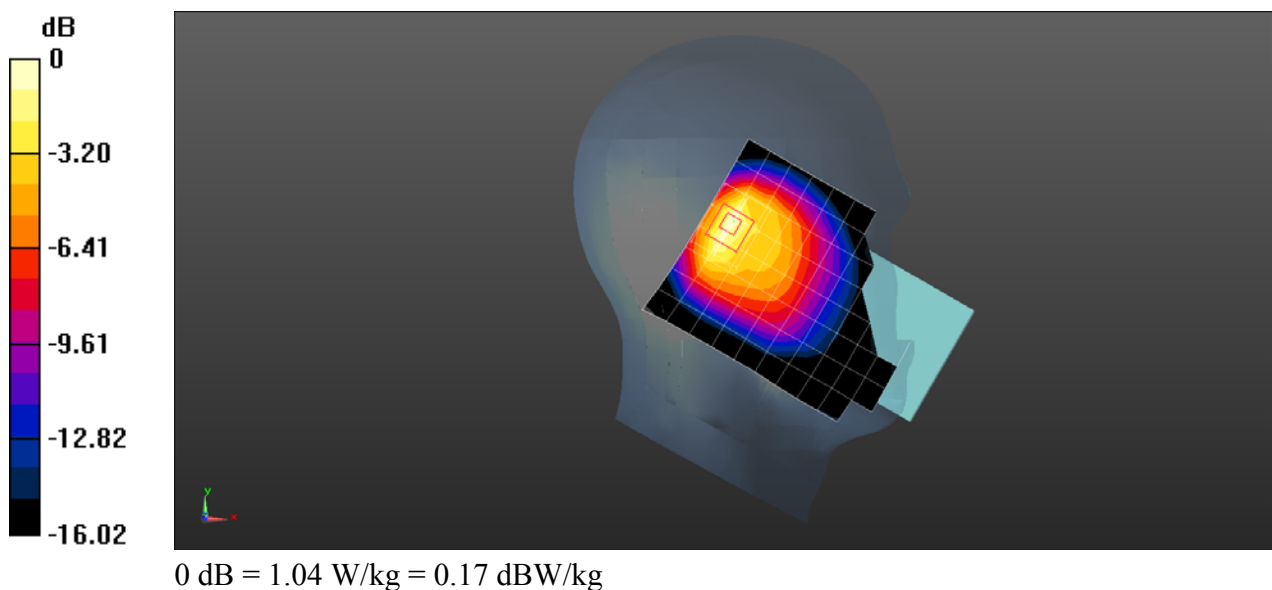
Reference Value = 33.88 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.326 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XII 10M QPSK 1RB 49 offset 23130CH Front Side 15mm with Battery2-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 55.124$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(10.66, 10.66, 10.66); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SMA6; Type: QD000P40CD; Serial: TP:1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.138 W/kg

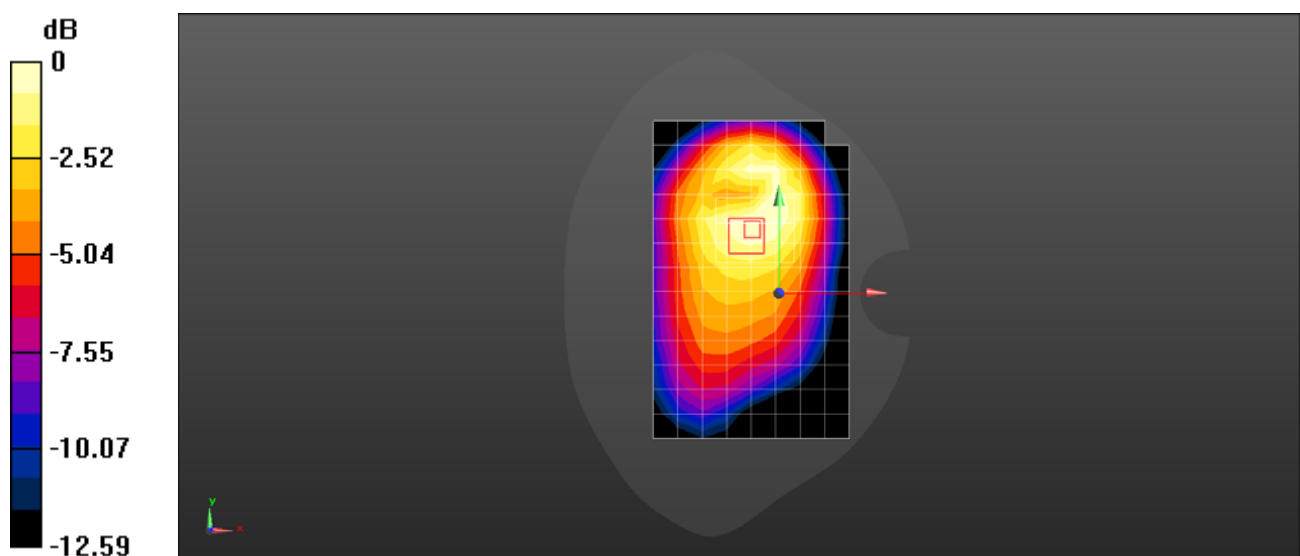
Configuration/Body/Zoom Scan (7x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.996 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.110 W/kg ; SAR(10 g) = 0.078 W/kg

Maximum value of SAR (measured) = 0.139 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XII 10M QPSK 50%RB 25 offset 23060CH Back Side 10mm With Battery3-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 704 \text{ MHz}$; $\sigma = 0.906 \text{ S/m}$; $\epsilon_r = 55.134$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(10.66, 10.66, 10.66); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SMA6; Type: QD000P40CD; Serial: TP:1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.117 W/kg

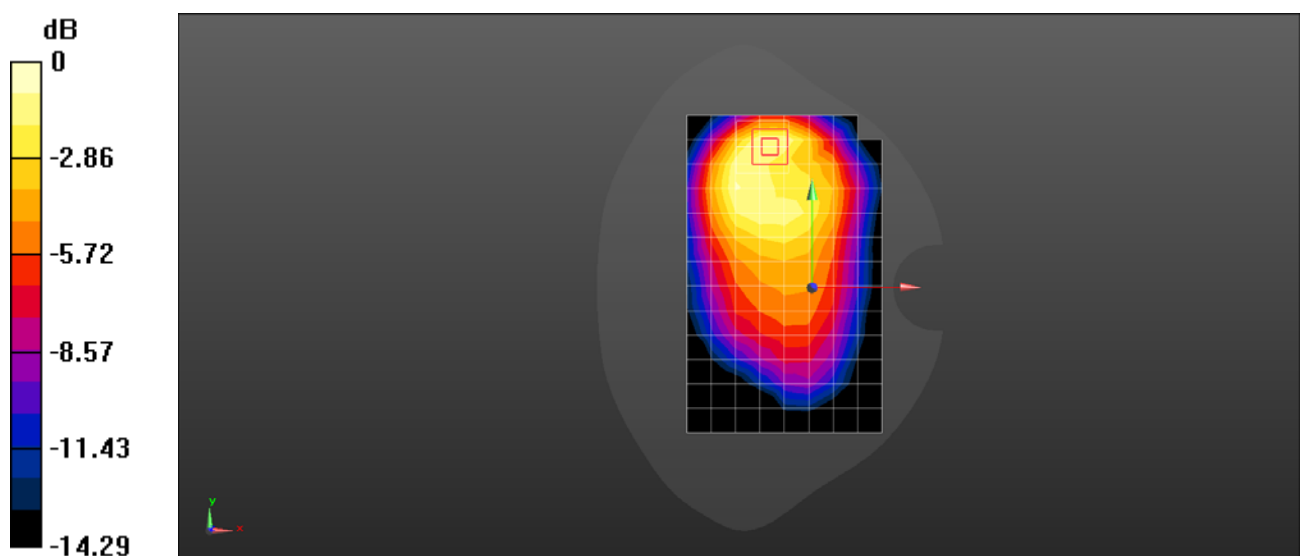
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.786 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.099 W/kg ; SAR(10 g) = 0.058 W/kg

Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg = -8.48 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XII 10M QPSK 1RB 49 offset 23060CH Bottom Side 0mm-Second Antenna

DUT: BLA-L09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 55.124$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(10.66, 10.66, 10.66); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SMA6; Type: QD000P40CD; Serial: TP:1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.44 W/kg

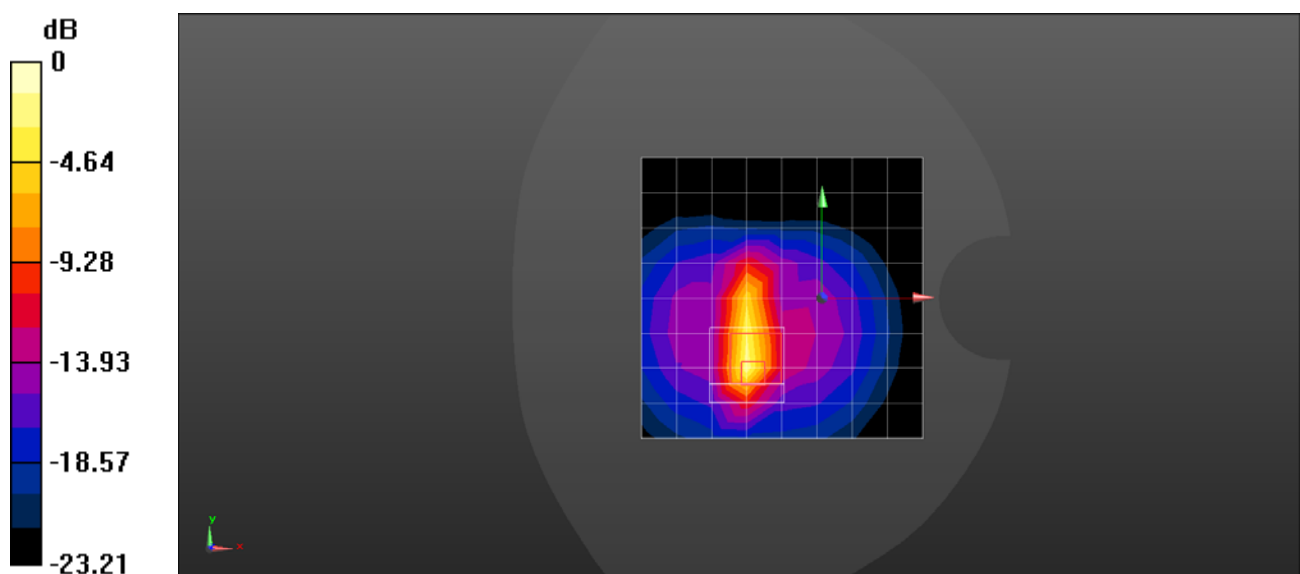
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.56 V/m ; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 8.05 W/kg

SAR(1 g) = 1.43 W/kg ; SAR(10 g) = 0.511 W/kg

Maximum value of SAR (measured) = 3.83 W/kg



0 dB = 3.83 W/kg = 5.83 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XIV 10M QPSK 1RB 0 offset 23330CH Left Touch-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 795.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 795.5$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 40.991$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.22, 9.22, 9.22); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.07 W/kg

Configuration/Head/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

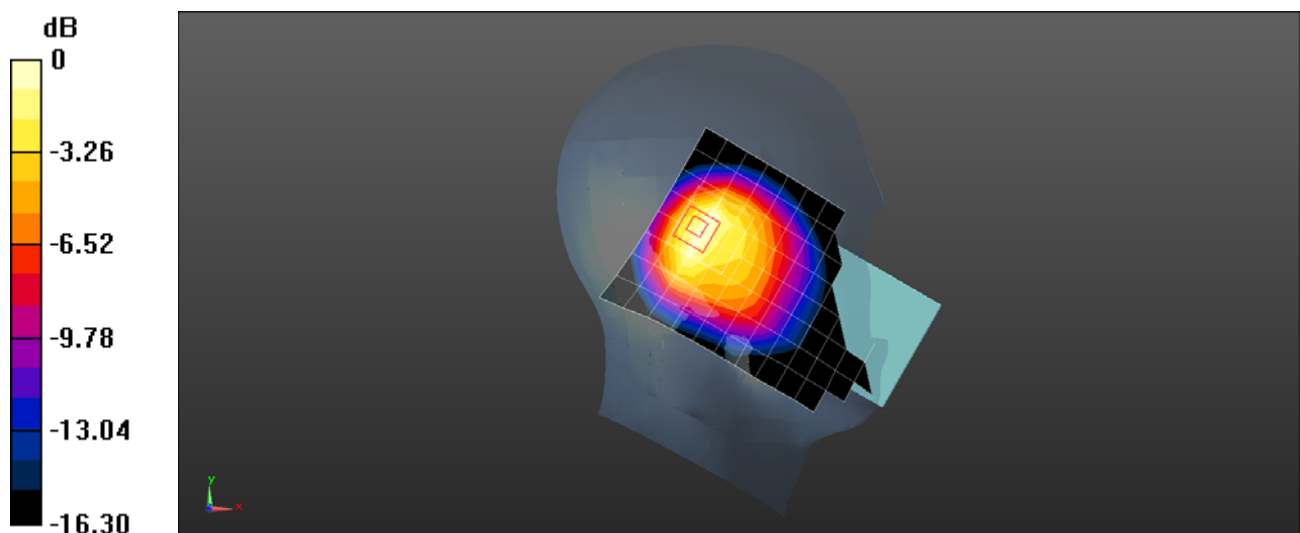
Reference Value = 21.94 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.380 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



0 dB = 1.03 W/kg = 0.14 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XIV 10M QPSK 1RB 0 offset 23330CH Back Side 15mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 795.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 795.5$ MHz; $\sigma = 0.977$ S/m; $\epsilon_r = 54.003$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.36, 9.36, 9.36); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (14x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.257 W/kg

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

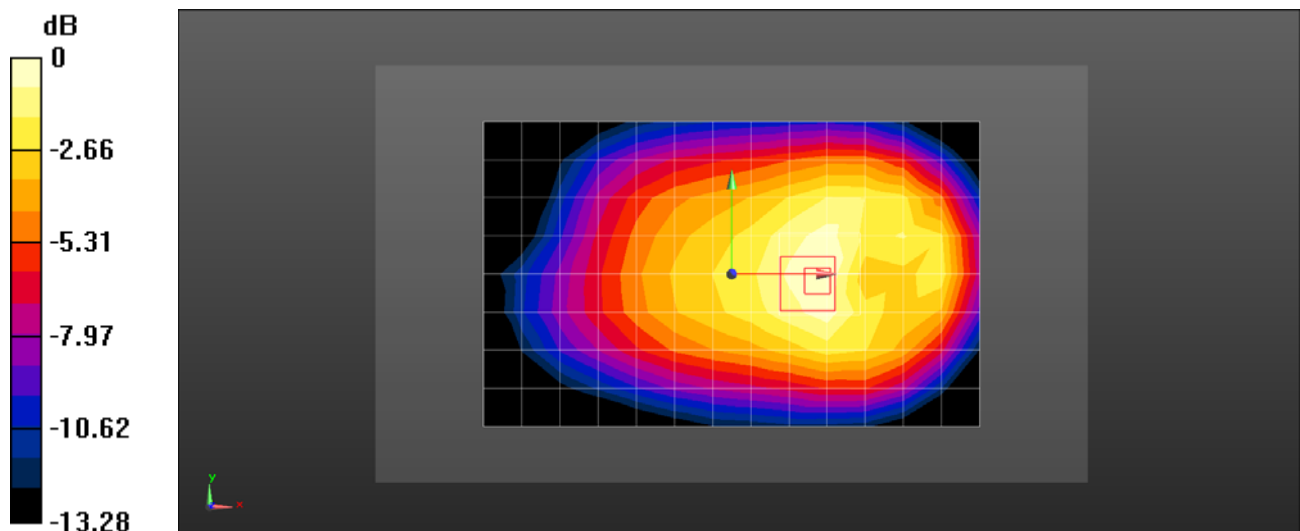
Reference Value = 11.65 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.149 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



0 dB = 0.258 W/kg = -5.88 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XIV 10M QPSK 50%RB 0 offset 23330CH Front Side 10mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 795.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 795.5$ MHz; $\sigma = 0.977$ S/m; $\epsilon_r = 54.003$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.36, 9.36, 9.36); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (14x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.254 W/kg

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

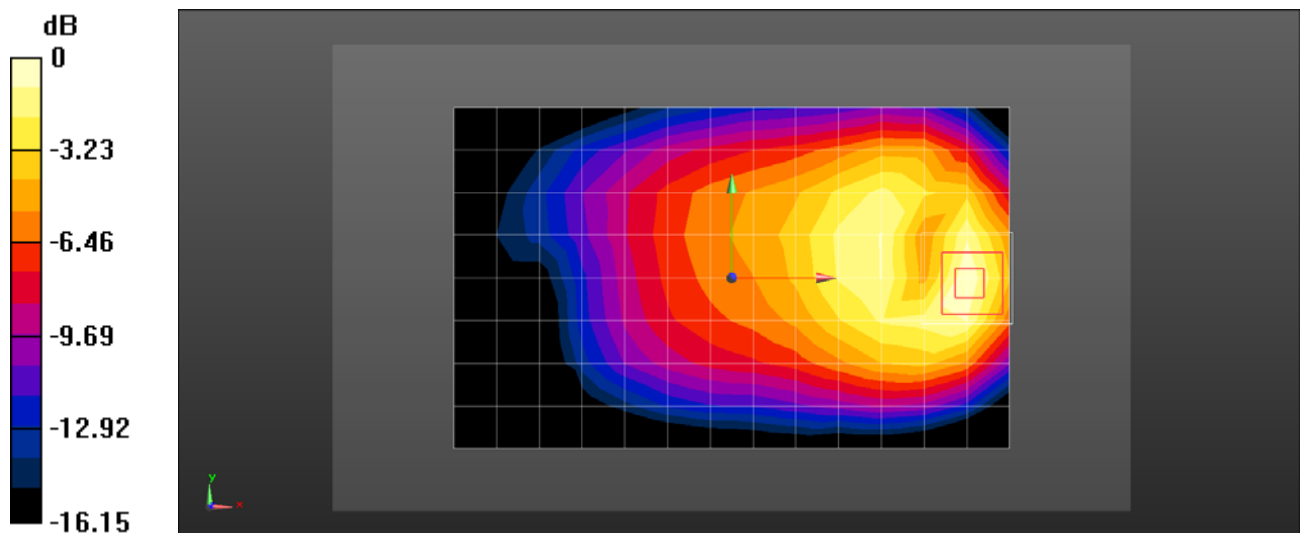
Reference Value = 7.732 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.098 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.253 W/kg



0 dB = 0.253 W/kg = -5.97 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XVIII 15M QPSK 50%RB 0 offset 23925CH Left Touch-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 15MHz, QPSK/16-QAM) (0); Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.938$ S/m; $\epsilon_r = 40.909$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.22, 9.22, 9.22); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.791 W/kg

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

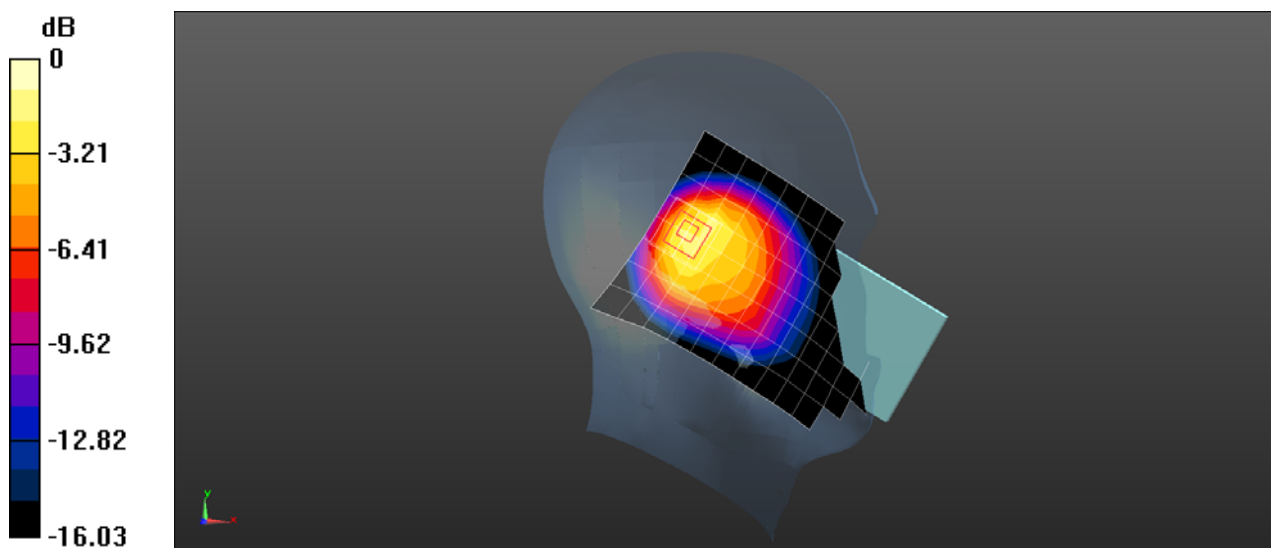
Reference Value = 20.36 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.379 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.66 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XVIII 15M QPSK 1RB 0 offset 23925CH Back Side 15mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 15MHz, QPSK/16-QAM) (0); Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.992$ S/m; $\epsilon_r = 53.927$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.36, 9.36, 9.36); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.304 W/kg

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

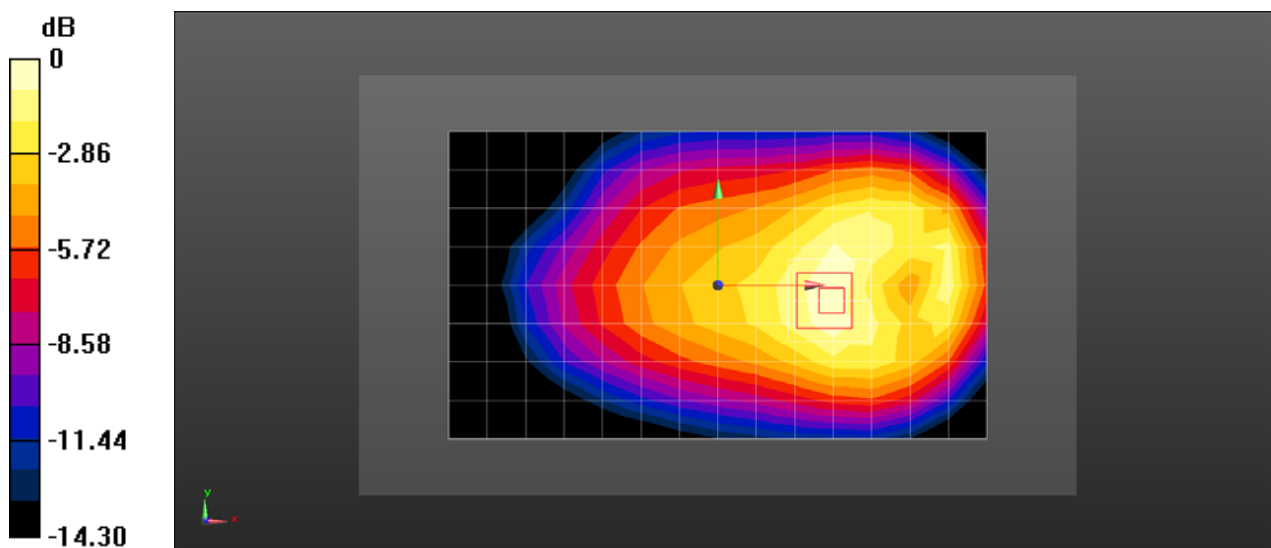
Reference Value = 11.35 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.348 W/kg

SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.172 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.307 W/kg



0 dB = 0.307 W/kg = -5.13 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XVIII 15M QPSK 50%RB 39 offset 23925CH Front Side 10mm with Battery2-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, LTE-FDD (SC-FDMA, 15MHz, QPSK/16-QAM) (0); Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 1.001$ S/m; $\epsilon_r = 53.357$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.36, 9.36, 9.36); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (14x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.412 W/kg

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

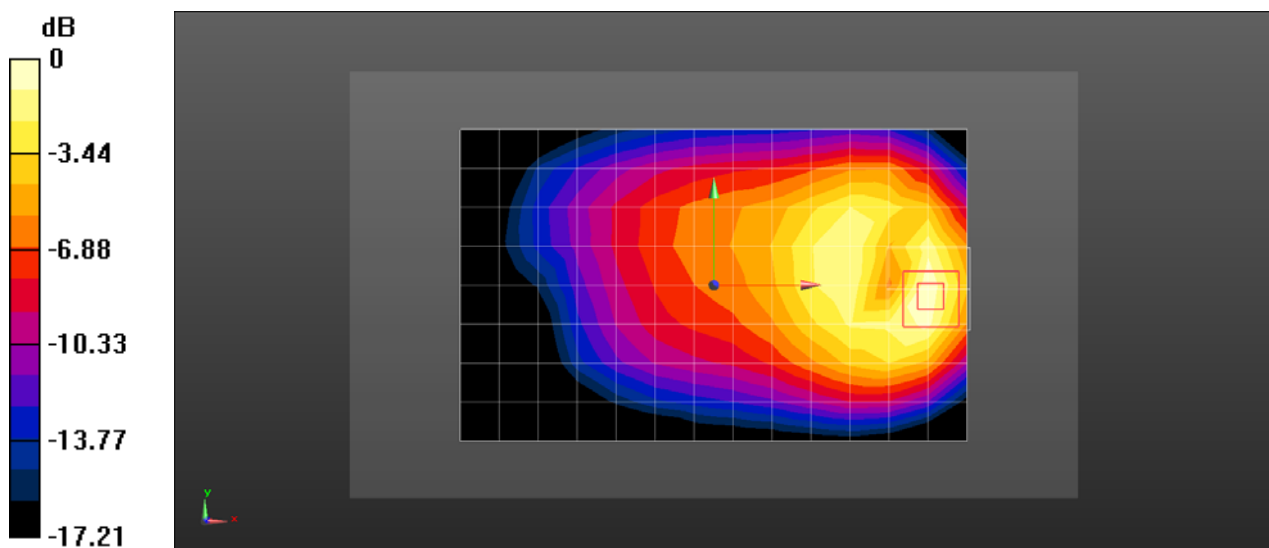
Reference Value = 9.012 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.495 W/kg

SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.169 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.423 W/kg



0 dB = 0.423 W/kg = -3.74 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XXX 10M 1RB 25 Offset 27710CH Left Tilt with Battery3-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.747$ S/m; $\epsilon_r = 39.668$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.62, 7.62, 7.62); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (11x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.35 W/kg

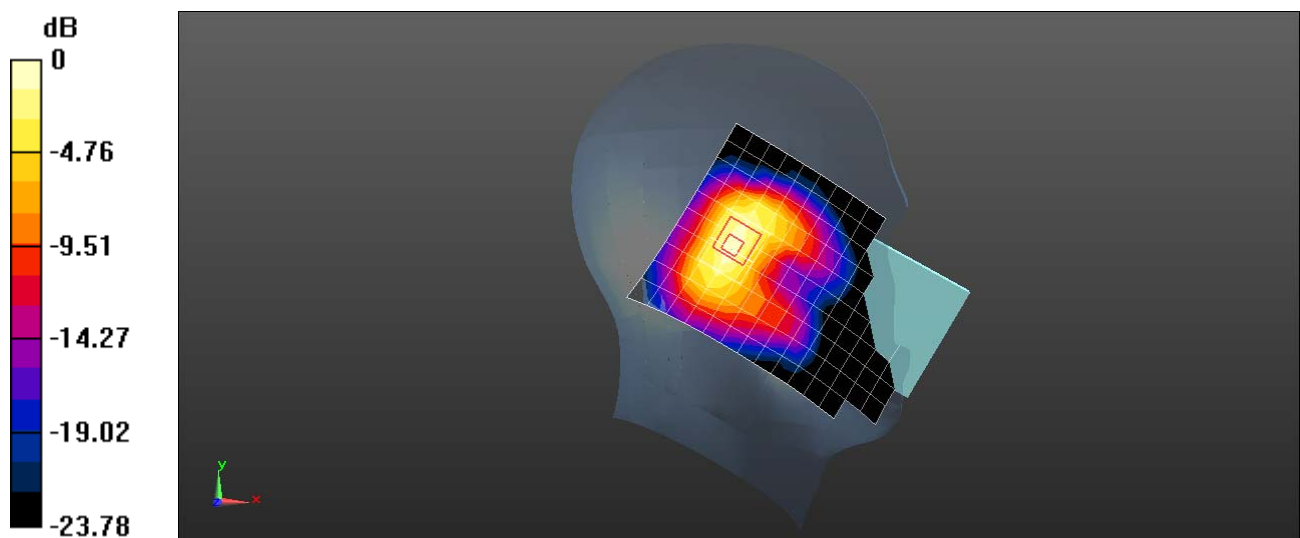
Configuration/Head/Zoom Scan (8x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 29.11 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.485 W/kg

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XXX 10M QPSK 1RB 25 Offset 27710CH Back Side 15mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.806$ S/m; $\epsilon_r = 51.301$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.75, 4.75, 4.75); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.0965 W/kg

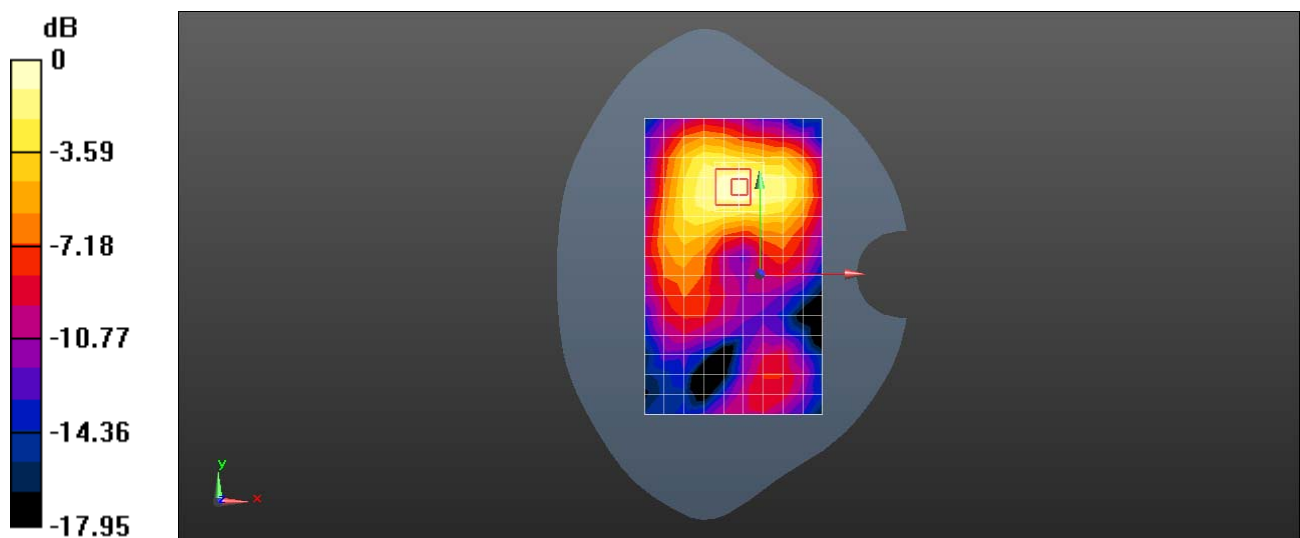
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.091 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.149 W/kg

SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.051 W/kg

Maximum value of SAR (measured) = 0.108 W/kg



0 dB = 0.108 W/kg = -9.67 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band XXX 10M QPSK 50%RB 0 Offset 27710CH Back Side 10mm with Battery3-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.806$ S/m; $\epsilon_r = 51.301$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.75, 4.75, 4.75); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.224 W/kg

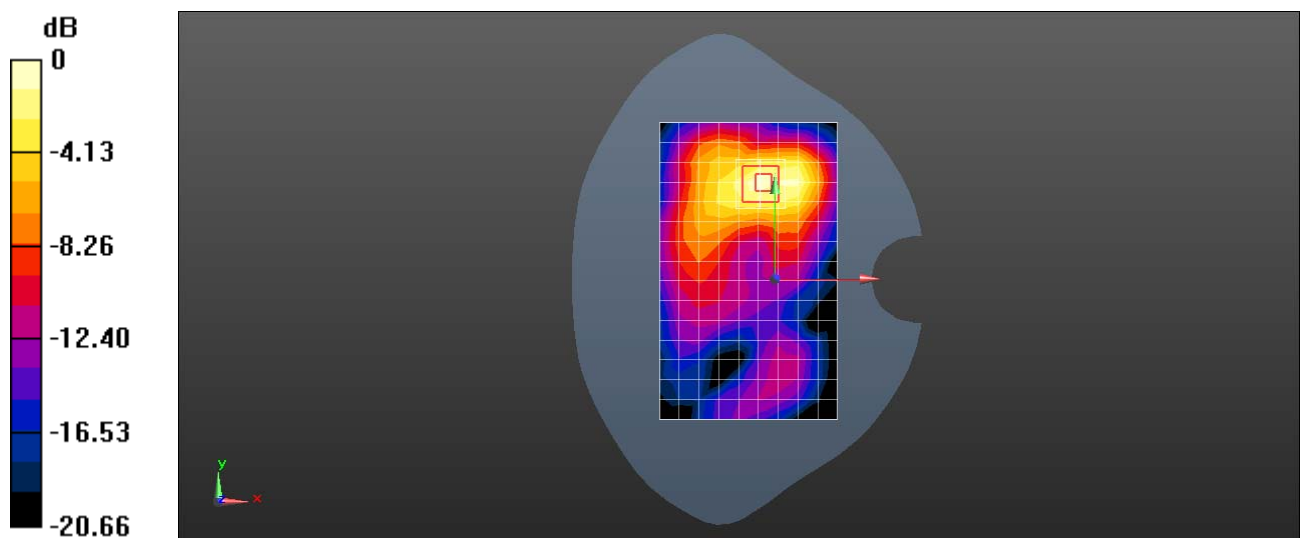
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.674 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.347 W/kg

SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.228 W/kg



0 dB = 0.228 W/kg = -6.42 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band LXVI 20M QPSK 50%RB 0 offset 132572CH Right Touch-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1770$ MHz; $\sigma = 1.371$ S/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(8.77, 8.77, 8.77); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.26 W/kg

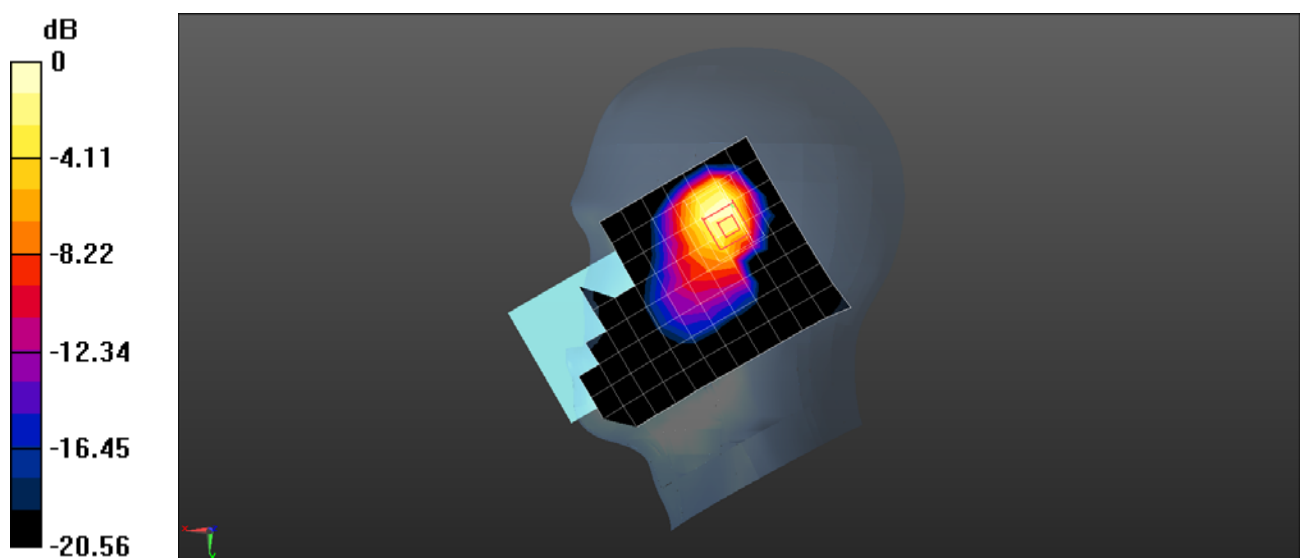
Configuration/Head/Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.21 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 0.779 W/kg; SAR(10 g) = 0.441 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band LXVI 20M QPSK 1RB 99 offset 132322CH Back Side 15mm with Battery2-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.443$ S/m; $\epsilon_r = 53.755$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(8.74, 8.74, 8.74); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SMA6; Type: QD000P40CD; Serial: TP:1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

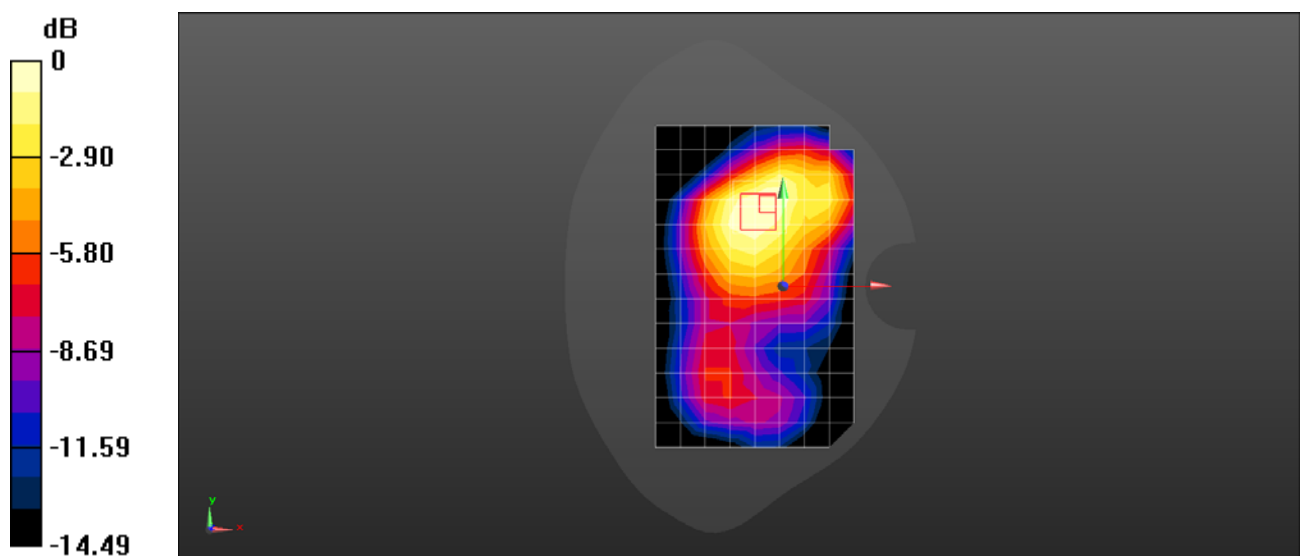
Maximum value of SAR (measured) = 0.250 W/kg

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

Reference Value = 7.930 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.131 W/kg



0 dB = 0.250 W/kg = -6.02 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 LTE Band LXVI 20M QPSK 1RB 50 offset 132322CH Back Side 10mm-Second Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.443$ S/m; $\epsilon_r = 53.755$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(8.74, 8.74, 8.74); Calibrated: 2017/10/24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017/9/25
- ε Phantom: SMA6; Type: QD000P40CD; Serial: TP:1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.201 W/kg

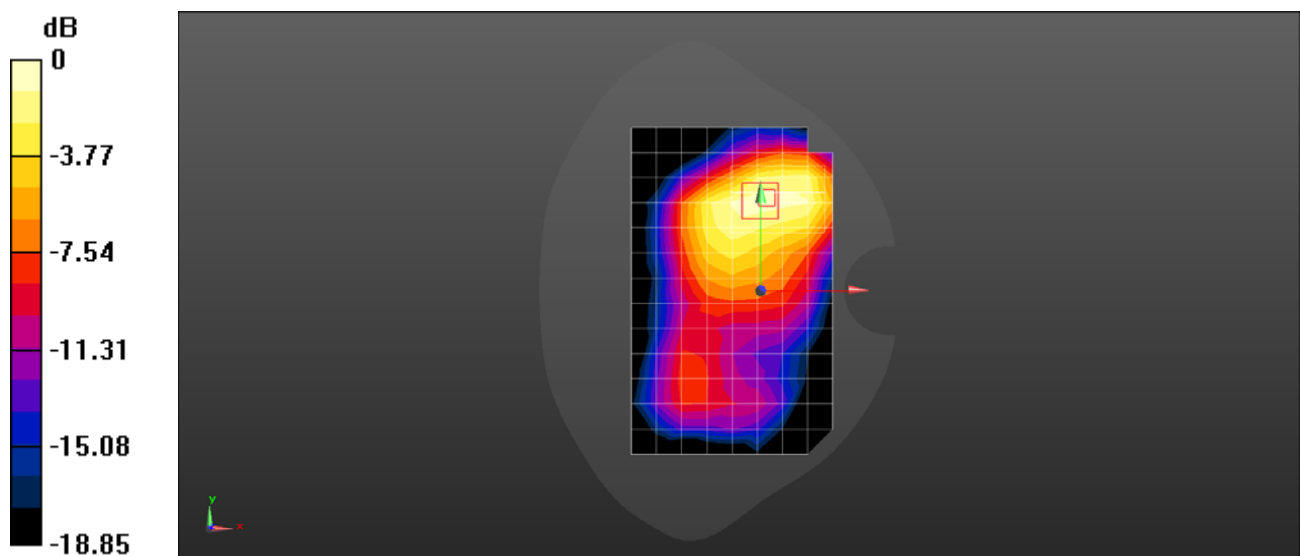
Configuration/Body/Zoom Scan (8x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.344 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.224 W/kg



0 dB = 0.224 W/kg = -6.50 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 GSM850 251CH Right Touch-Main Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 849$ MHz; $\sigma = 0.927$ S/m; $\epsilon_r = 40.074$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.22, 9.22, 9.22); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.303 W/kg

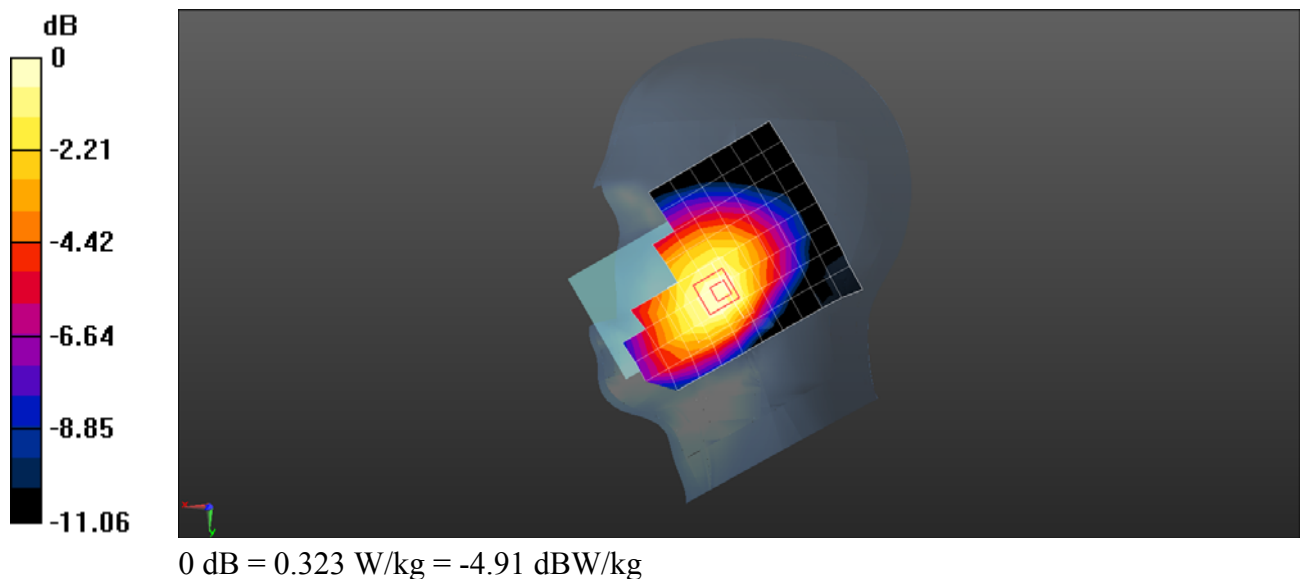
Configuration/Head/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.322 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.205 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

BLA-A09 GSM850 190CH Back Side 15mm-Main Antenna

DUT: BLA-A09; Type: Smart Phone; Serial: SAR4

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 1.008$ S/m; $\epsilon_r = 54.193$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.36, 9.36, 9.36); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (14x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.281 W/kg

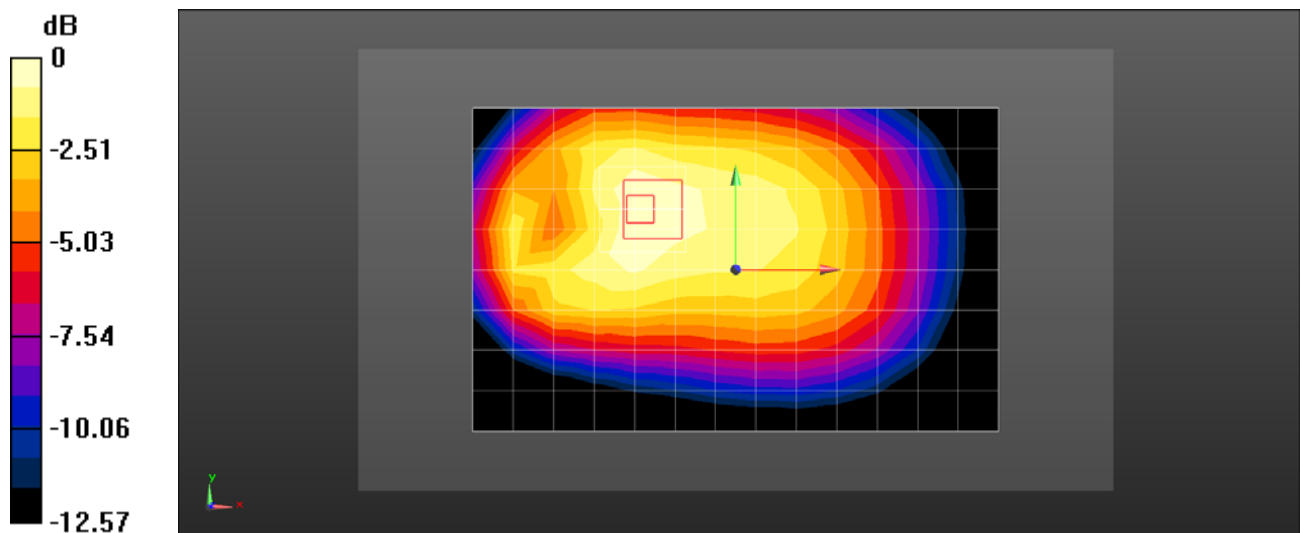
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.98 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.170 W/kg

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



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