Appendix B. SAR Measurement Plots

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Head SAR
Body SAR

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 GSM850 190CH Left Cheek with Battery2-Main Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: SAR1

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; σ = 0.913 S/m; ε_r = 40.333; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(8.82, 8.82, 8.82) @ 836.6 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1492; Calibrated: 2021-07-28
- Phantom: SAM1; Type: SAM; Serial: 1475
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.145 W/kg

Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
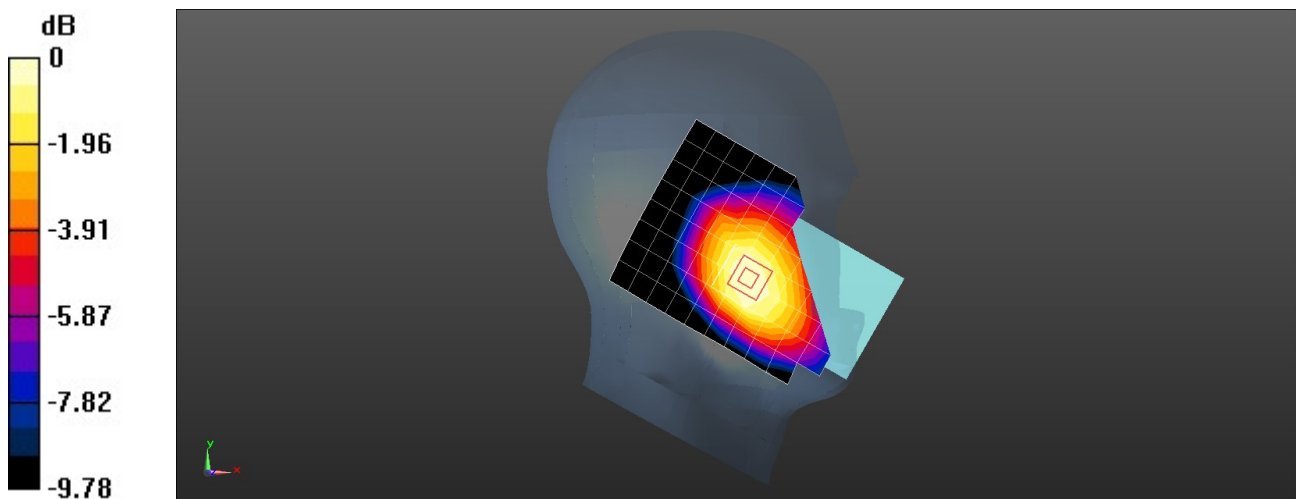Reference Value = 3.520 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.156 W/kg
SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.093 W/kg
Smallest distance from peaks to all points 3 dB below = 23.7 mm
Ratio of SAR at M2 to SAR at M1 = 79.1%
Maximum value of SAR (measured) = 0.145 W/kg

0 dB = 0.145 W/kg = -8.40 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 GSM850 190CH Back Side 15mm with Battery2-Main Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: SAR1

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; σ = 0.913 S/m; ε_r = 40.333; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(8.82, 8.82, 8.82) @ 836.6 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1492; Calibrated: 2021-07-28
- Phantom: SAM1; Type: SAM; Serial: 1475
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.227 W/kg

Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
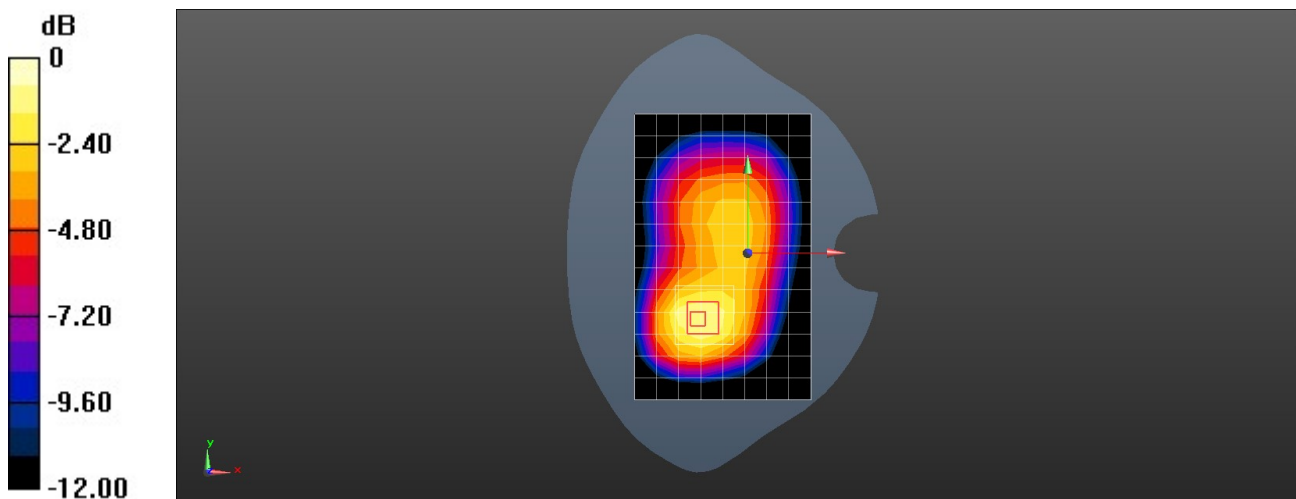Reference Value = 12.84 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.316 W/kg
SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.134 W/kg
Smallest distance from peaks to all points 3 dB below = 24.4 mm
Ratio of SAR at M2 to SAR at M1 = 60.9%
Maximum value of SAR (measured) = 0.272 W/kg

0 dB = 0.272 W/kg = -5.65 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 GSM850 190CH Front Side 10mm with Battery2-Main Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: SAR1

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; σ = 0.913 S/m; ε_r = 40.333; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(8.82, 8.82, 8.82) @ 836.6 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1492; Calibrated: 2021-07-28
- Phantom: SAM1; Type: SAM; Serial: 1475
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.318 W/kg

Configuration/Body/Zoom Scan (8x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
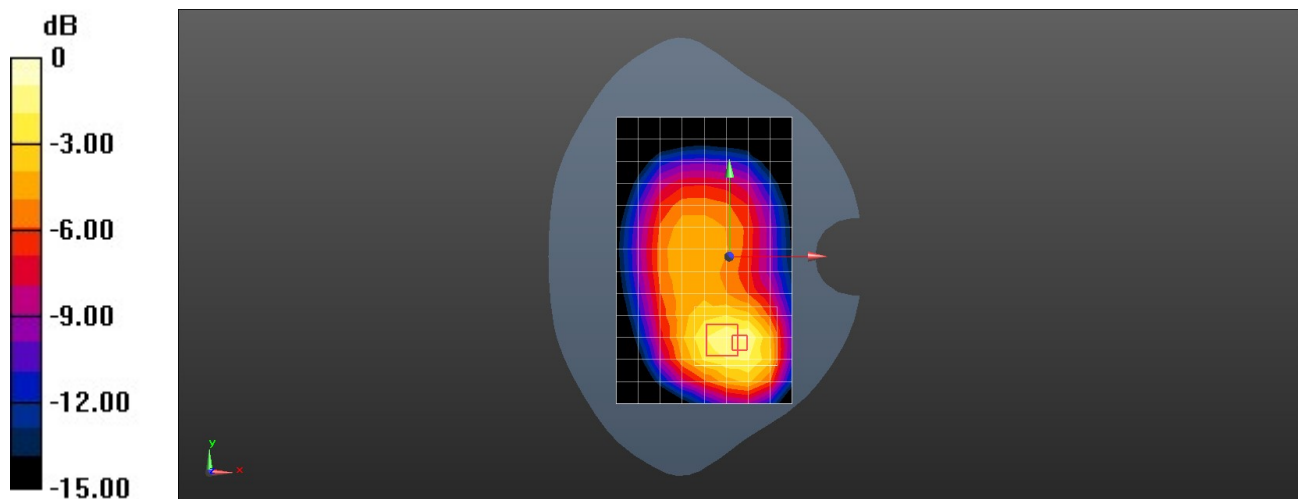Reference Value = 12.49 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.470 W/kg
SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.170 W/kg
Smallest distance from peaks to all points 3 dB below = 14.3 mm
Ratio of SAR at M2 to SAR at M1 = 58.4%
Maximum value of SAR (measured) = 0.392 W/kg

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

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 GSM1900 661CH Right Tilt with Battery2-Second Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: DASY5

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

Medium parameters used: f = 1880 MHz; σ = 1.423 S/m; ε_r = 38.482; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22) @ 1880 MHz; Calibrated: 2020-12-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 30.4
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.851 W/kg

Configuration/Head/Zoom Scan (11x11x22)/Cube 0: Measurement grid: dx=3.9mm, dy=3.8mm, dz=1.4mm
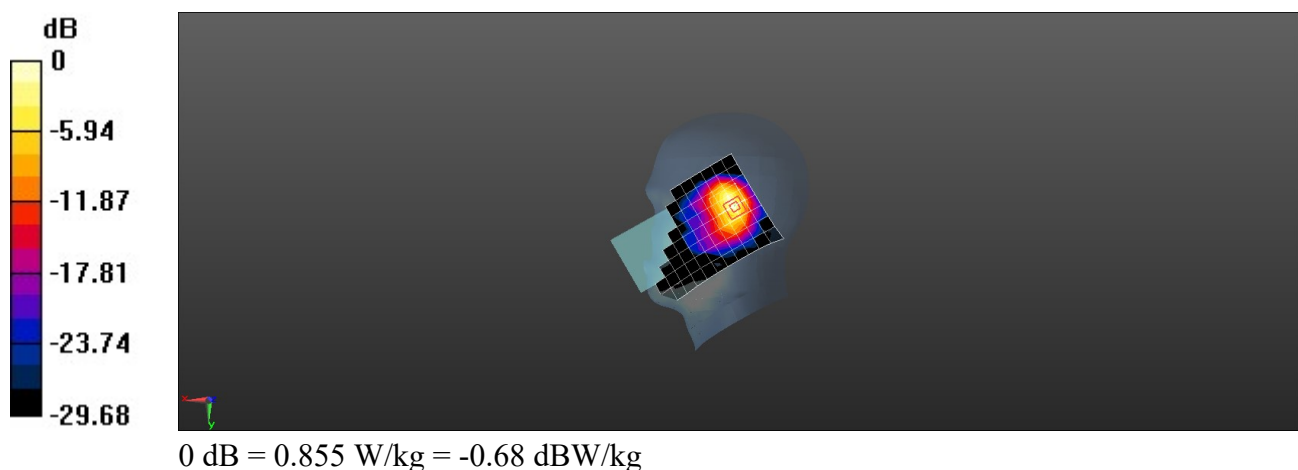Reference Value = 18.47 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.221 W/kg
Smallest distance from peaks to all points 3 dB below = 6.5 mm
Ratio of SAR at M2 to SAR at M1 = 78%
Maximum value of SAR (measured) = 0.855 W/kg

0 dB = 0.855 W/kg = -0.68 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 GSM1900 661CH Back Side 15mm with Battery2-Main Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: DASY5

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

Medium parameters used: f = 1880 MHz; σ = 1.423 S/m; ε_r = 38.482; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22) @ 1880 MHz; Calibrated: 2020-12-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.166 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
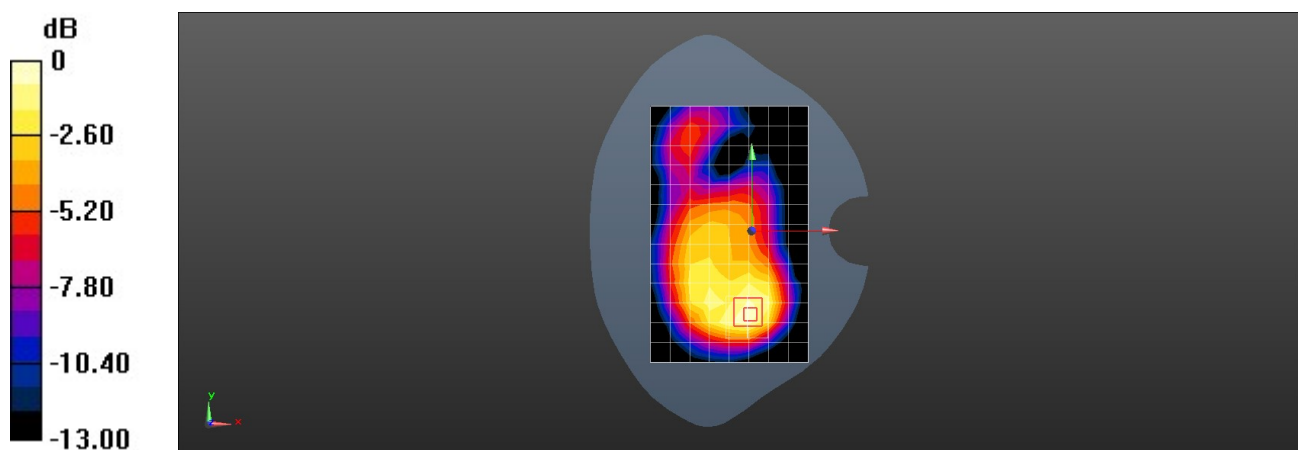Reference Value = 6.788 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.221 W/kg
SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.075 W/kg
Smallest distance from peaks to all points 3 dB below = 14.3 mm
Ratio of SAR at M2 to SAR at M1 = 57.4%
Maximum value of SAR (measured) = 0.186 W/kg

0 dB = 0.186 W/kg = -7.30 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 GSM1900 GPRS 2TS 661CH Bottom Side 10mm with Battery2-Main

Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: DASY5

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

Medium parameters used: f = 1880 MHz; σ = 1.423 S/m; ε_r = 38.482; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22) @ 1880 MHz; Calibrated: 2020-12-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.777 W/kg

Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.08 V/m; Power Drift = 0.12 dB
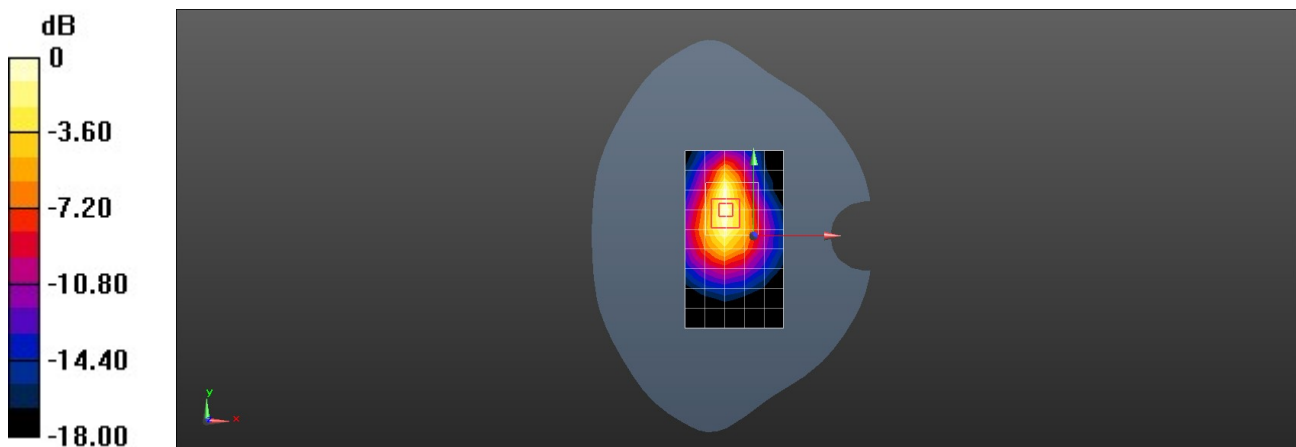Peak SAR (extrapolated) = 0.945 W/kg
SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.282 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 54.2%
Maximum value of SAR (measured) = 0.782 W/kg

0 dB = 0.782 W/kg = -1.07 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 UMTS Band II 9400CH Right Tilt with Battery2-Second Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: DASY5

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

Medium parameters used: f = 1880 MHz; σ = 1.423 S/m; ε_r = 38.482; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22) @ 1880 MHz; Calibrated: 2020-12-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 30.0
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.846 W/kg

Configuration/Head/Zoom Scan (10x10x22)/Cube 0: Measurement grid: dx=3.9mm, dy=3.9mm, dz=1.4mm
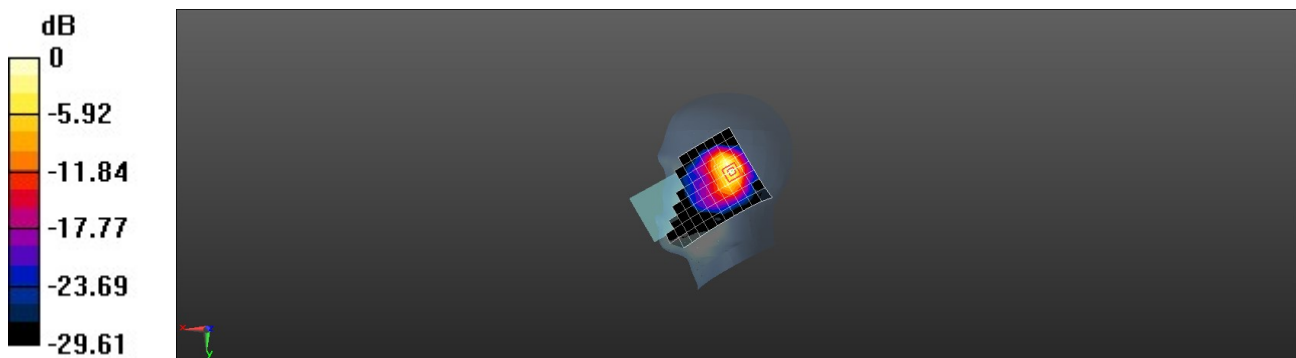Reference Value = 18.55 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.213 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 77.4%
Maximum value of SAR (measured) = 0.837 W/kg

0 dB = 0.837 W/kg = -0.77 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 UMTS Band II 9400CH Back Side 15mm with Battery2-Main Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: DASY5

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

Medium parameters used: f = 1880 MHz; σ = 1.423 S/m; ε_r = 38.482; ρ = 1000 kg/m^3 Phantom

section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22) @ 1880 MHz; Calibrated: 2020-12-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.277 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
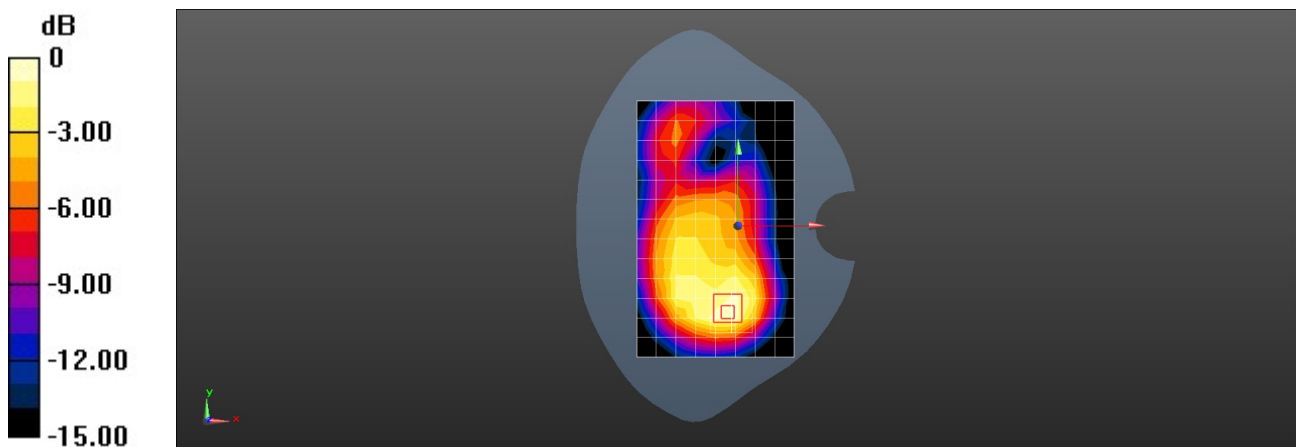Reference Value = 8.614 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.376 W/kg
SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.127 W/kg
Smallest distance from peaks to all points 3 dB below = 14.3 mm
Ratio of SAR at M2 to SAR at M1 = 56.8%
Maximum value of SAR (measured) = 0.316 W/kg

0 dB = 0.316 W/kg = -5.00 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 UMTS Band II 9400CH Bottom Side 10mm with Battery2-Main Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: DASY5

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

Medium parameters used: f = 1880 MHz; σ = 1.423 S/m; ε_r = 38.482; ρ = 1000 kg/m^3 Phantom

section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22) @ 1880 MHz; Calibrated: 2020-12-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.864 W/kg

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

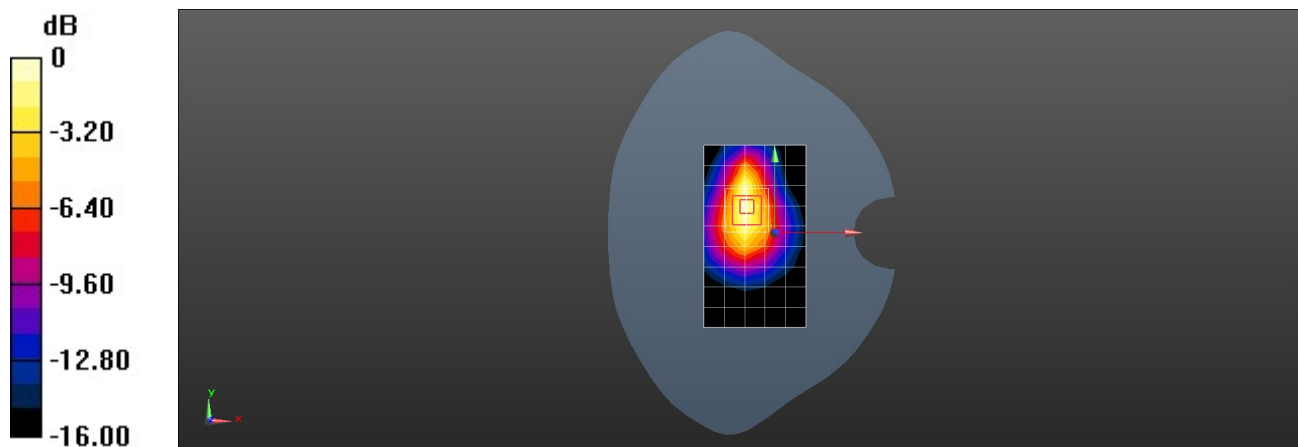Reference Value = 17.24 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.313 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 53.7%

Maximum value of SAR (measured) = 0.883 W/kg

0 dB = 0.883 W/kg = -0.54 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 UMTS Band IV 1413CH Right Tilt with Battery2-Second Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: DASY5

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; σ = 1.315 S/m; ε_r = 39.114; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.61, 8.61, 8.61) @ 1732.6 MHz; Calibrated: 2020-12-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.568 W/kg

Configuration/Head/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
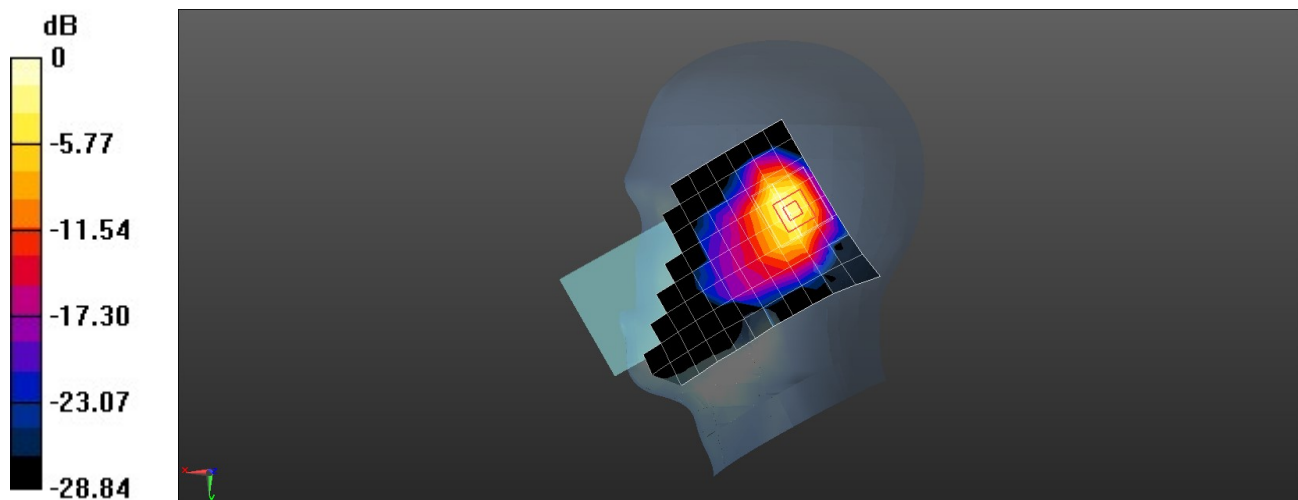Reference Value = 15.12 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.970 W/kg
SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.194 W/kg
Smallest distance from peaks to all points 3 dB below = 6.6 mm
Ratio of SAR at M2 to SAR at M1 = 46.2%

Maximum value of SAR (measured) = 0.689 W/kg

0 dB = 0.689 W/kg = -1.62 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 UMTS Band IV 1413CH Back Side 15mm-Main Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: DASY5

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

Medium parameters used: f = 1733 MHz; σ = 1.315 S/m; ε_r = 39.114; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.61, 8.61, 8.61) @ 1732.6 MHz; Calibrated: 2020-12-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.425 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
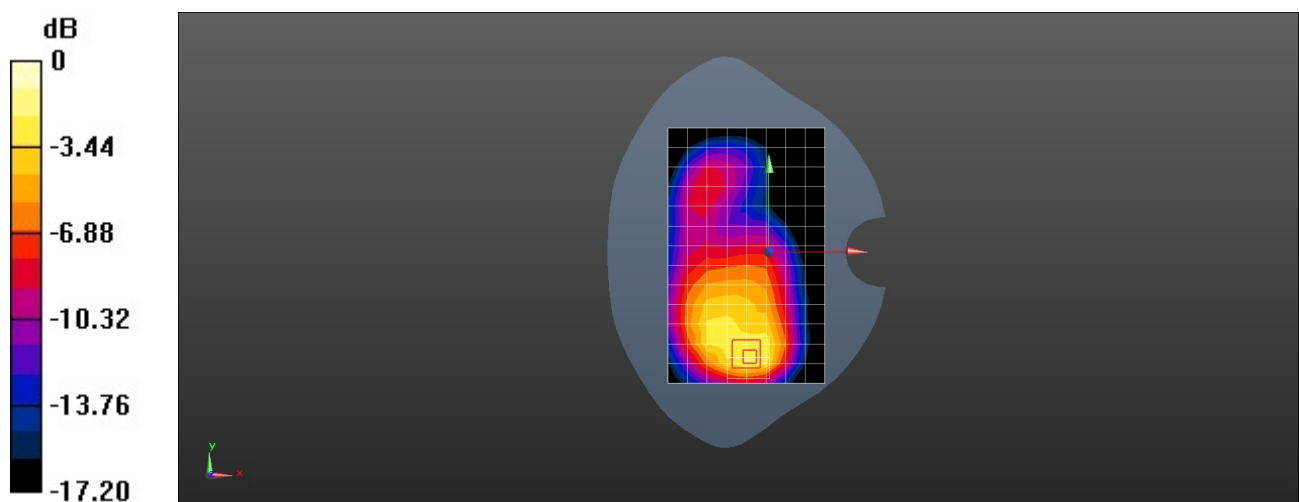Reference Value = 8.018 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.807 W/kg
SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.269 W/kg
Smallest distance from peaks to all points 3 dB below = 11.6 mm
Ratio of SAR at M2 to SAR at M1 = 58.4%
Maximum value of SAR (measured) = 0.695 W/kg

0 dB = 0.695 W/kg = -1.58 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 UMTS Band IV 1413CH Bottom Side 10mm with Battery2-Main Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: DASY5

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

Medium parameters used: f = 1733 MHz; σ = 1.327 S/m; ε_r = 38.55; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.61, 8.61, 8.61) @ 1732.6 MHz; Calibrated: 2020-12-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Hotspot/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.845 W/kg

Configuration/Hotspot/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
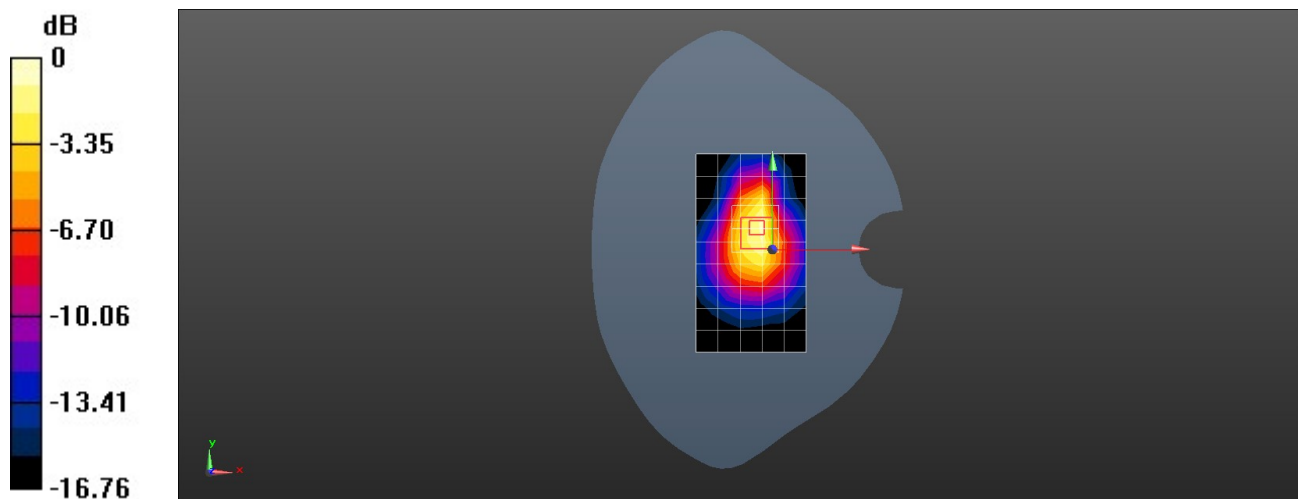Reference Value = 20.01 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.694 W/kg; SAR(10 g) = 0.386 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 59%
Maximum value of SAR (measured) = 1.02 W/kg

0 dB = 1.02 W/kg = 0.09 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 UMTS Band V 4182CH Left Cheek with Battery2-Main Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: SAR1

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

Medium parameters used: f = 836 MHz; σ = 0.913 S/m; ε_r = 40.336; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(8.82, 8.82, 8.82) @ 836.4 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1492; Calibrated: 2021-07-28
- Phantom: SAM1; Type: SAM; Serial: 1475
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.195 W/kg

Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
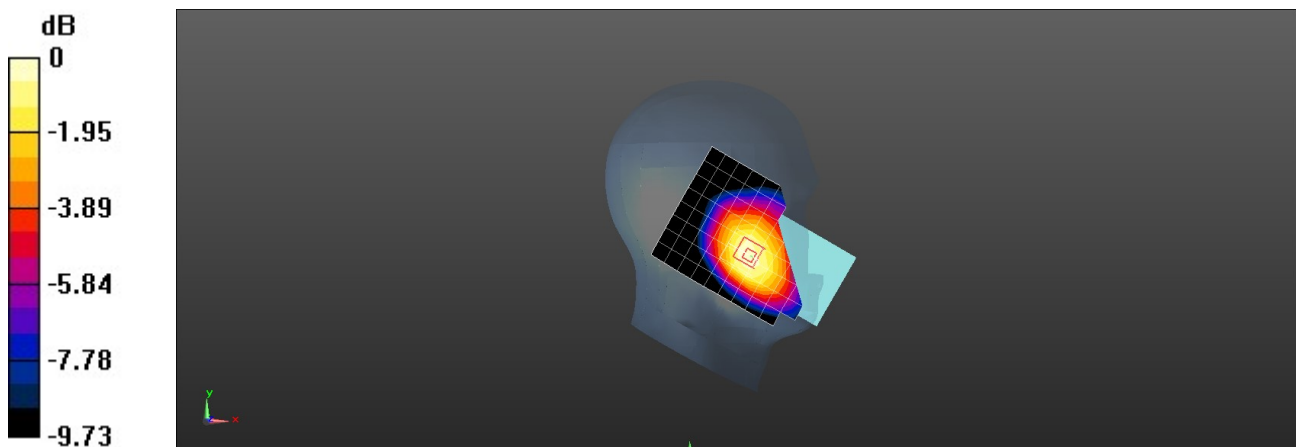Reference Value = 4.382 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.223 W/kg
SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.131 W/kg
Smallest distance from peaks to all points 3 dB below = 25.2 mm
Ratio of SAR at M2 to SAR at M1 = 78.4%
Maximum value of SAR (measured) = 0.205 W/kg

0 dB = 0.205 W/kg = -6.89 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 UMTS Band V 4182CH Back Side 15mm with Battery2-Main Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: SAR1

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

Medium parameters used: f = 836 MHz; σ = 0.913 S/m; ε_r = 40.336; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(8.82, 8.82, 8.82) @ 836.4 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1492; Calibrated: 2021-07-28
- Phantom: SAM1; Type: SAM; Serial: 1475
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.295 W/kg

Configuration/Body/Zoom Scan (8x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
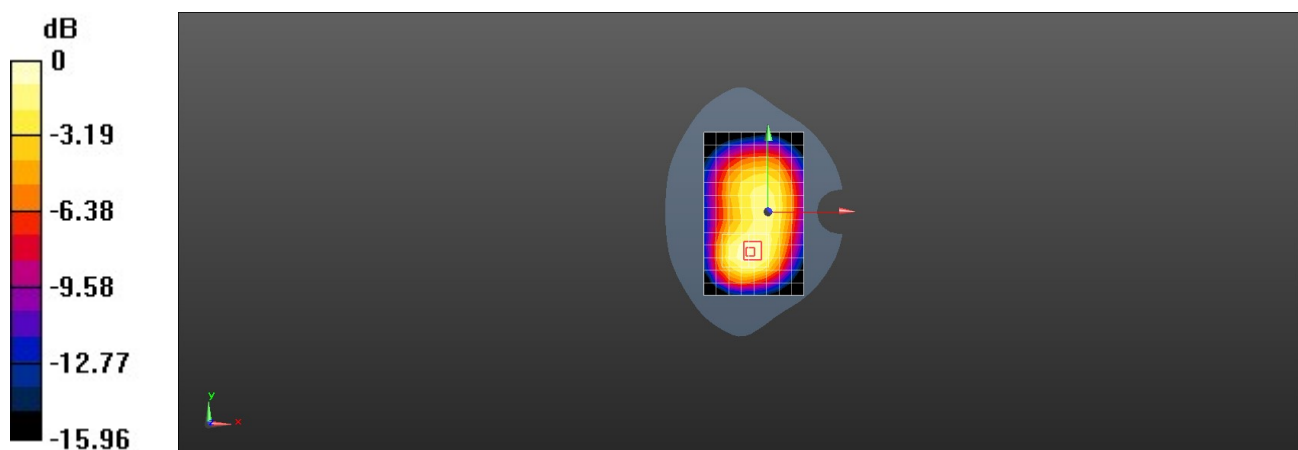Reference Value = 15.62 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.366 W/kg
SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.166 W/kg
Smallest distance from peaks to all points 3 dB below = 26 mm
Ratio of SAR at M2 to SAR at M1 = 65.9%
Maximum value of SAR (measured) = 0.324 W/kg

0 dB = 0.324 W/kg = -4.90 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

NAM-LX9 UMTS Band V 4182CH Back Side 10mm with Battery2-Main Antenna

DUT: NAM-LX9; Type: Smart Phone; Serial: SAR1

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

Medium parameters used: f = 836 MHz; σ = 0.913 S/m; ε_r = 40.336; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(8.82, 8.82, 8.82) @ 836.4 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1492; Calibrated: 2021-07-28
- Phantom: SAM1; Type: SAM; Serial: 1475
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.486 W/kg

Configuration/Body/Zoom Scan (8x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
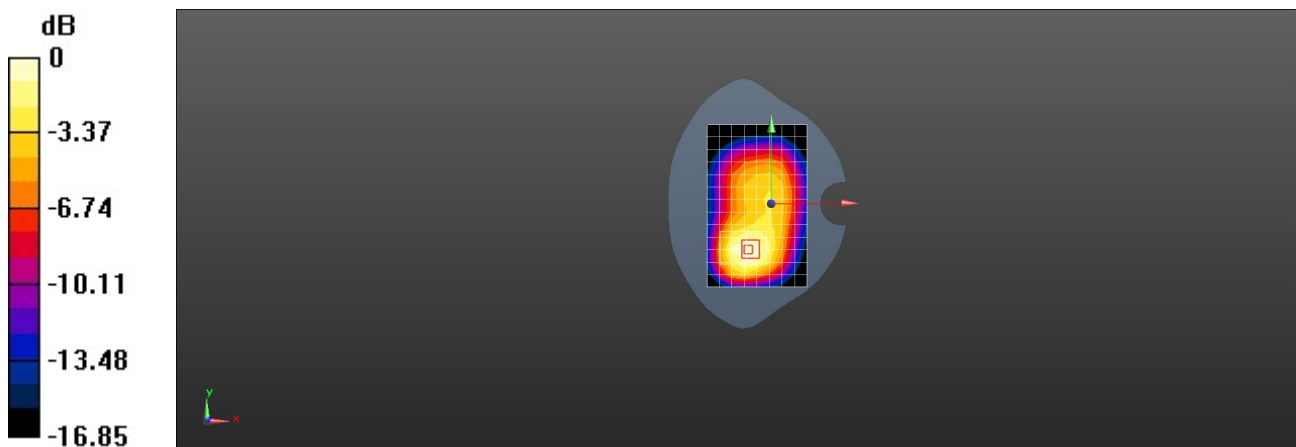Reference Value = 16.02 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.565 W/kg
SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.243 W/kg
Smallest distance from peaks to all points 3 dB below = 22.2 mm
Ratio of SAR at M2 to SAR at M1 = 64.5%
Maximum value of SAR (measured) = 0.490 W/kg

0 dB = 0.490 W/kg = -3.10 dBW/kg