

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 50%RB#25 18900CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.774 mW/g

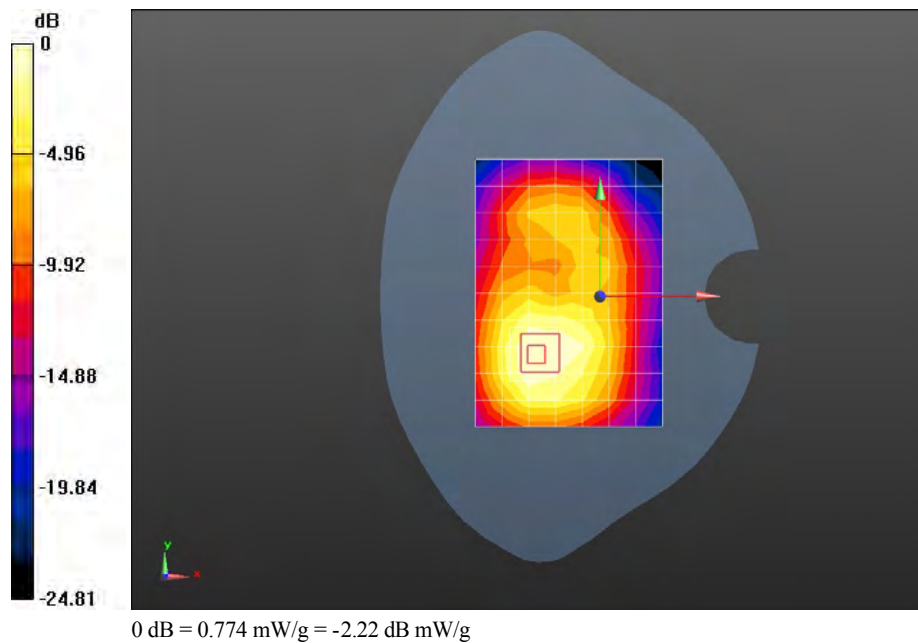
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.632 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.216 mW/g

SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.464 mW/g

Maximum value of SAR (measured) = 0.836 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 50%RB#25 18900CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.432 mW/g

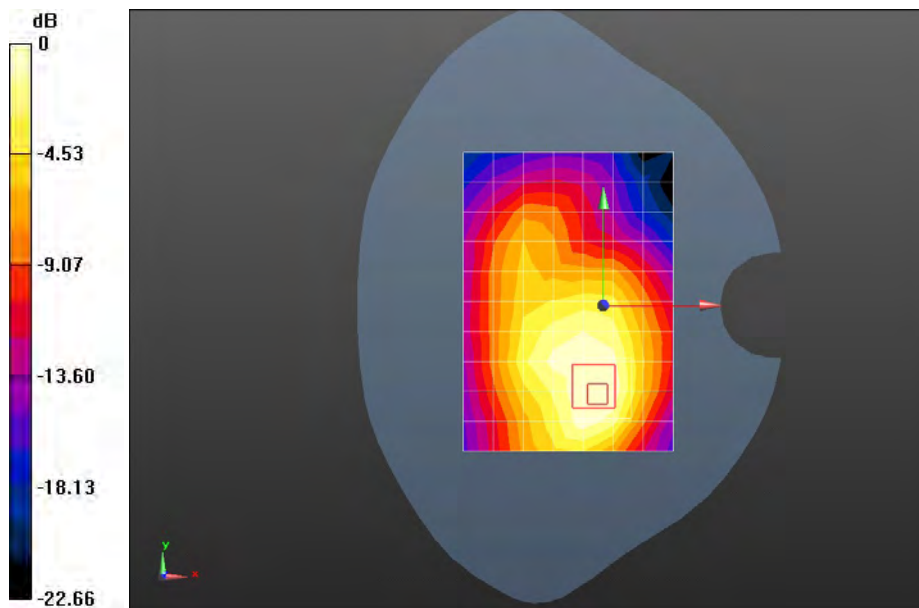
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.889 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.767 mW/g

SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.500 mW/g



0 dB = 0.432 mW/g = -7.30 dB mW/g

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E589u-512 LTE Band II 20M QPSK 50%RB#25 18900CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.215 mW/g

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

Reference Value = 9.868 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.776 mW/g

SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.124 mW/g

Maximum value of SAR (measured) = 0.219 mW/g

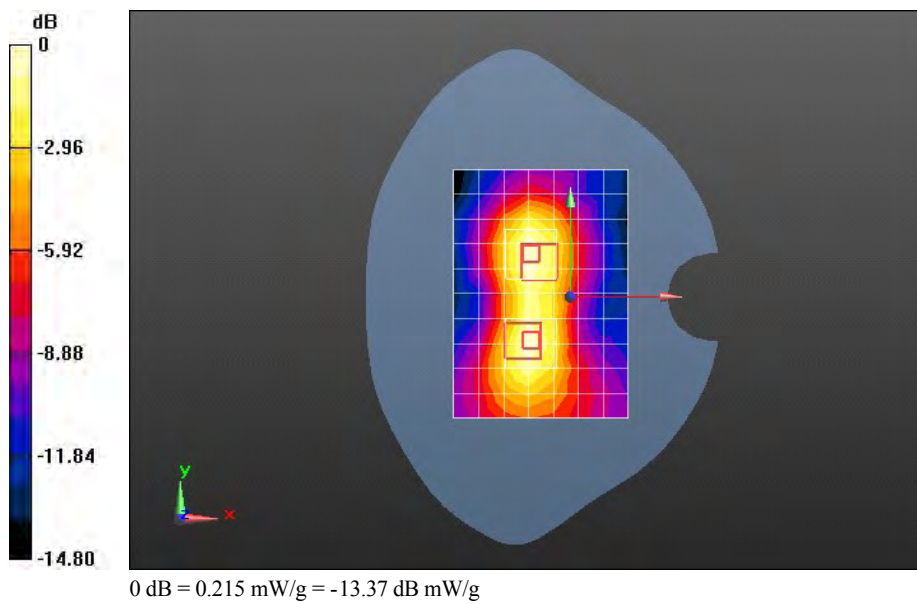
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.868 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.606 mW/g

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.221 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 50%RB#25 18900CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.136 mW/g

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

Reference Value = 8.343 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.196 mW/g

SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.140 mW/g

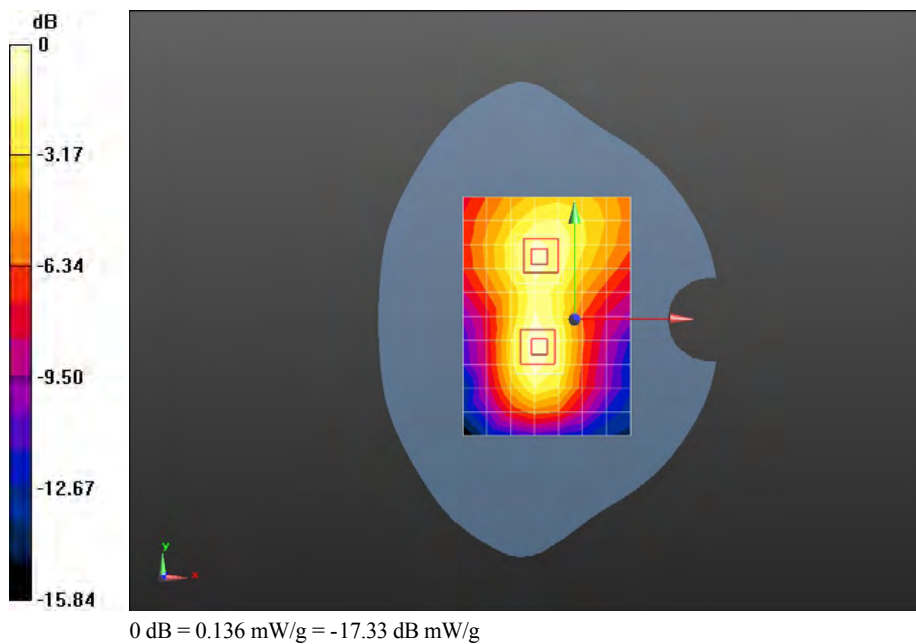
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.343 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.170 mW/g

SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.119 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 50%RB#25 18900CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.286 mW/g

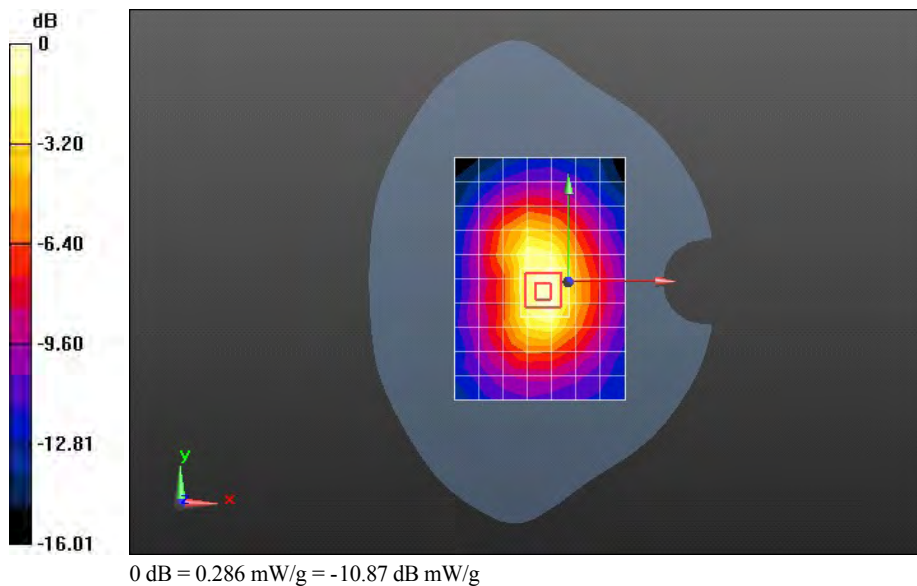
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.913 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.503 mW/g

SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.177 mW/g

Maximum value of SAR (measured) = 0.352 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 1RB#0 19100CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK); Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.582$ mho/m; $\epsilon_r = 52.873$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.03 mW/g

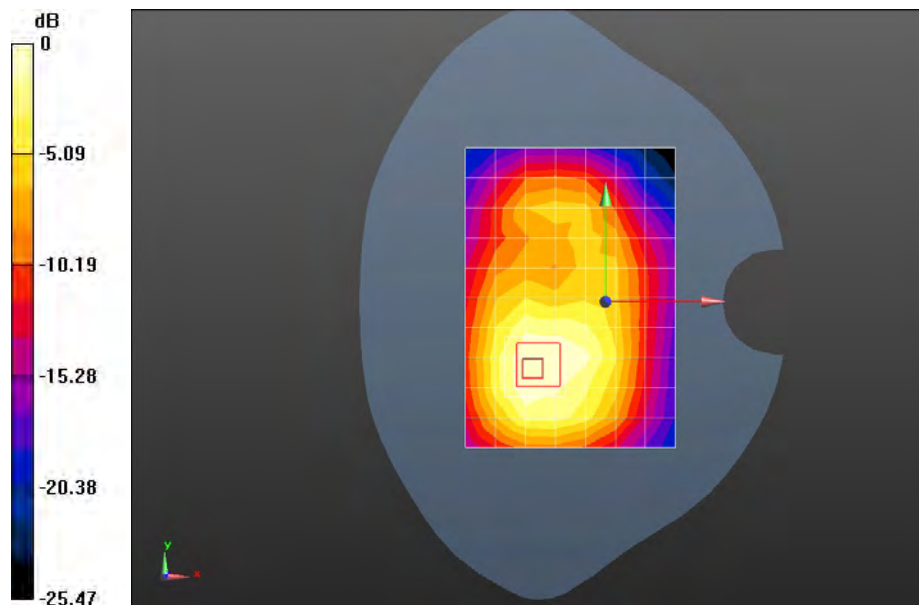
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.558 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.629 mW/g

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.618 mW/g

Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.03 mW/g = 0.23 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 1RB#0 19100CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK); Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.582$ mho/m; $\epsilon_r = 52.873$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.661 mW/g

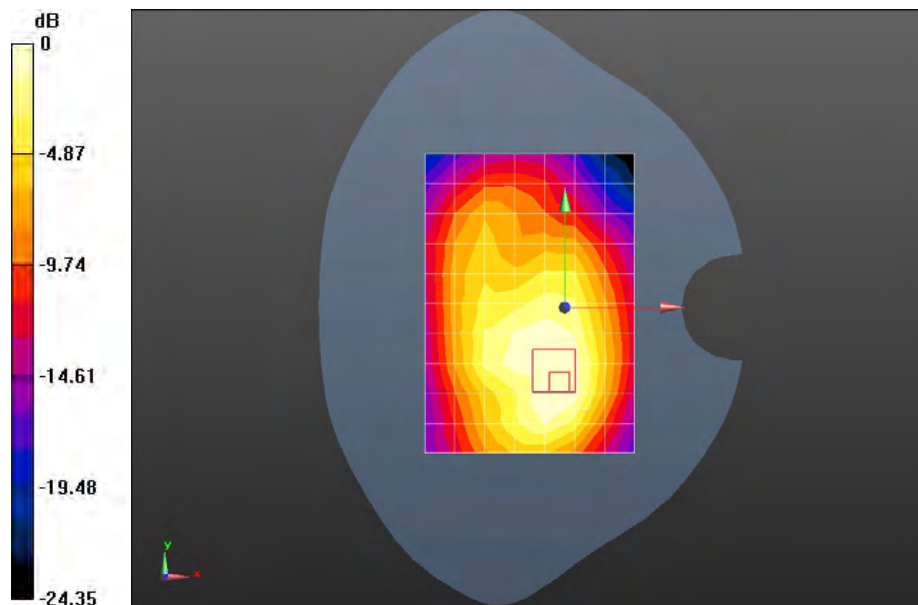
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.925 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.105 mW/g

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.399 mW/g

Maximum value of SAR (measured) = 0.728 mW/g



0 dB = 0.661 mW/g = -3.60 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 1RB#0 19100CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK); Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.582$ mho/m; $\epsilon_r = 52.873$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.308 mW/g

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

Reference Value = 11.219 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.444 mW/g

SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 0.310 mW/g

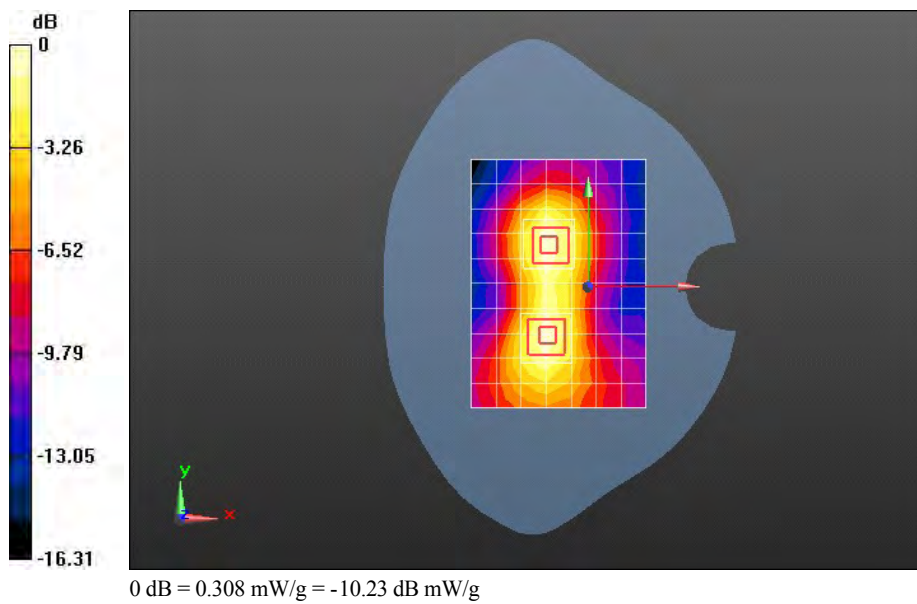
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.219 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.453 mW/g

SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.160 mW/g

Maximum value of SAR (measured) = 0.307 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 1RB#0 19100CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK); Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.582$ mho/m; $\epsilon_r = 52.873$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.221 mW/g

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

Reference Value = 10.831 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.316 mW/g

SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.124 mW/g

Maximum value of SAR (measured) = 0.224 mW/g

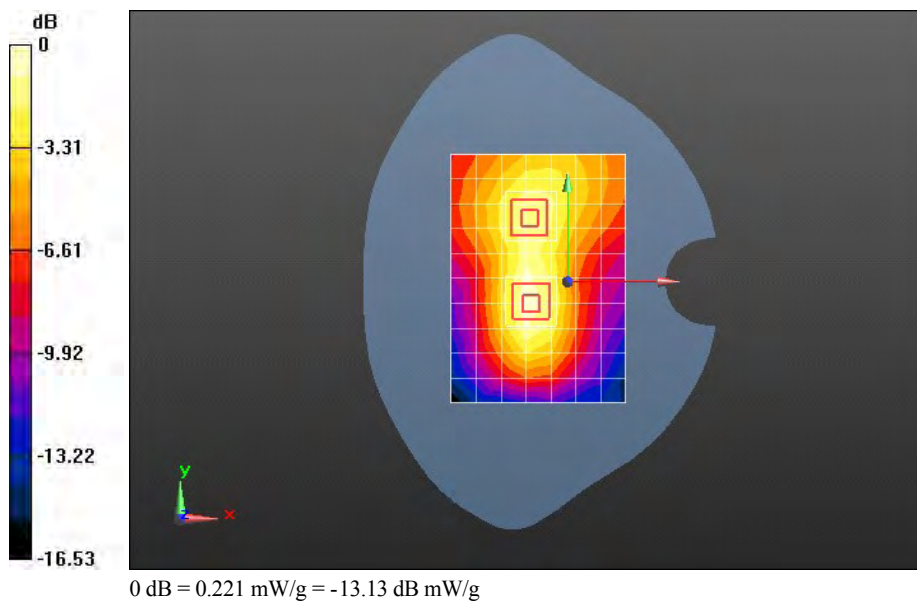
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.831 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.245 mW/g

SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.098 mW/g

Maximum value of SAR (measured) = 0.169 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 1RB#0 19100CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.582$ mho/m; $\epsilon_r = 52.873$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.425 mW/g

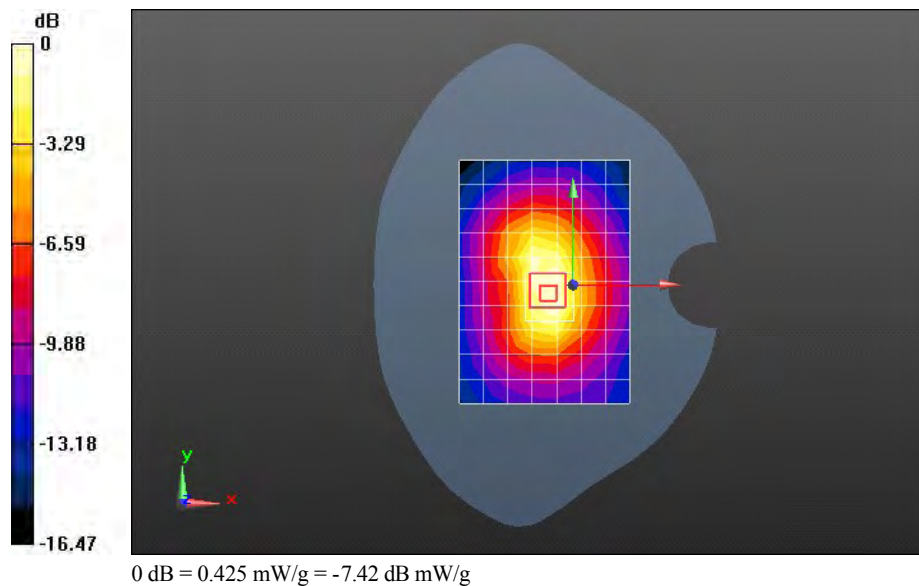
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 18.425 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.772 mW/g

SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.530 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 1RB#99 18900CH Front side 10mm**DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.07 mW/g

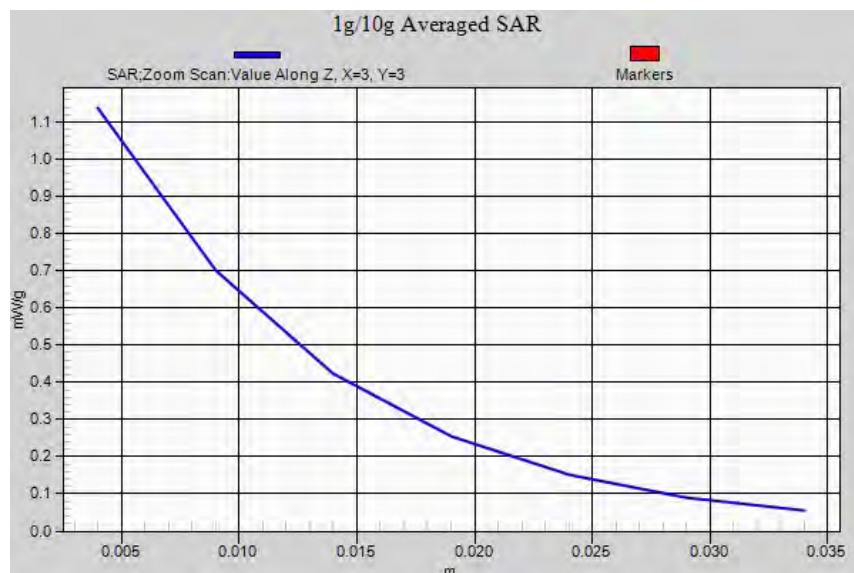
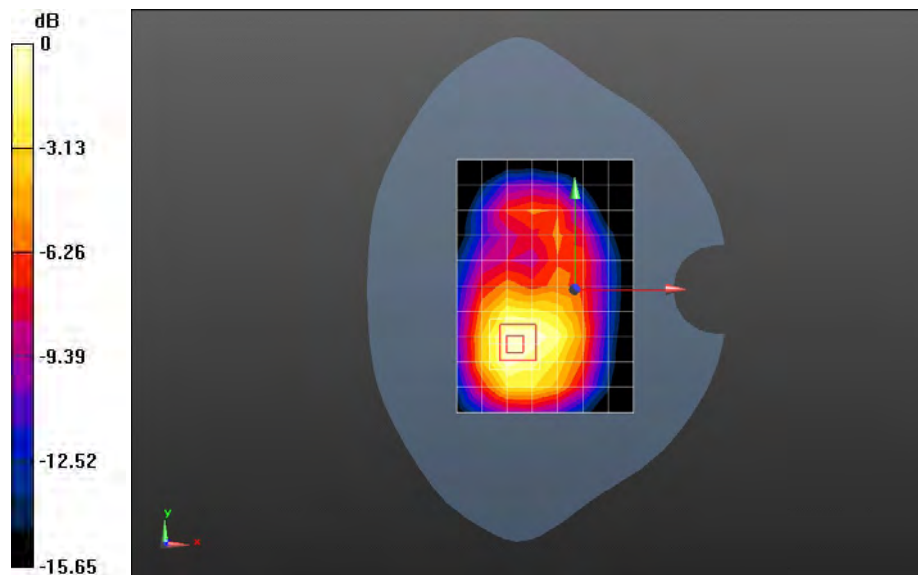
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.518 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.656 mW/g

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.633 mW/g

Maximum value of SAR (measured) = 1.14 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 1RB#99 18900CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.673 mW/g

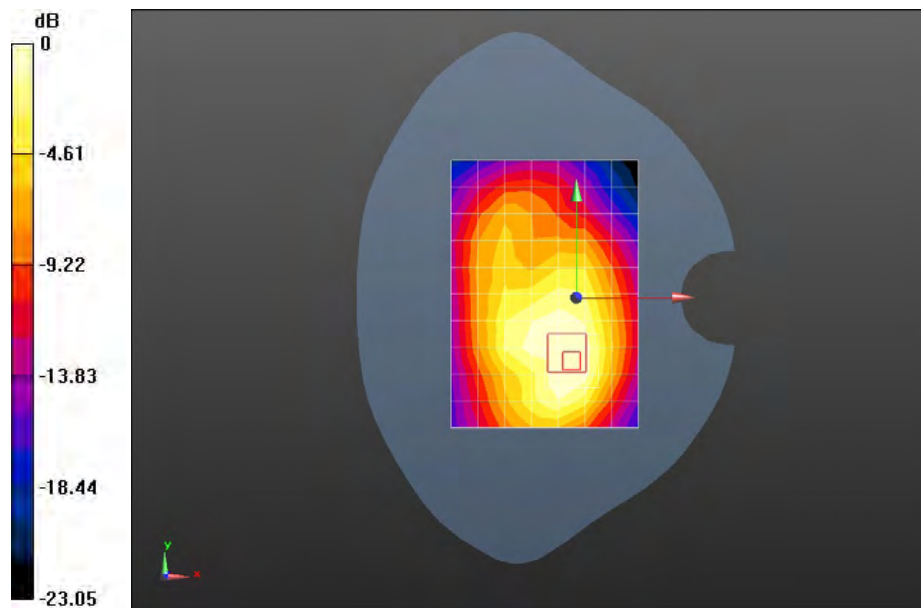
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.143 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.098 mW/g

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.406 mW/g

Maximum value of SAR (measured) = 0.731 mW/g



0 dB = 0.673 mW/g = -3.44 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 1RB#99 18900CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.309 mW/g

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

Reference Value = 11.730 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.448 mW/g

SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.177 mW/g

Maximum value of SAR (measured) = 0.318 mW/g

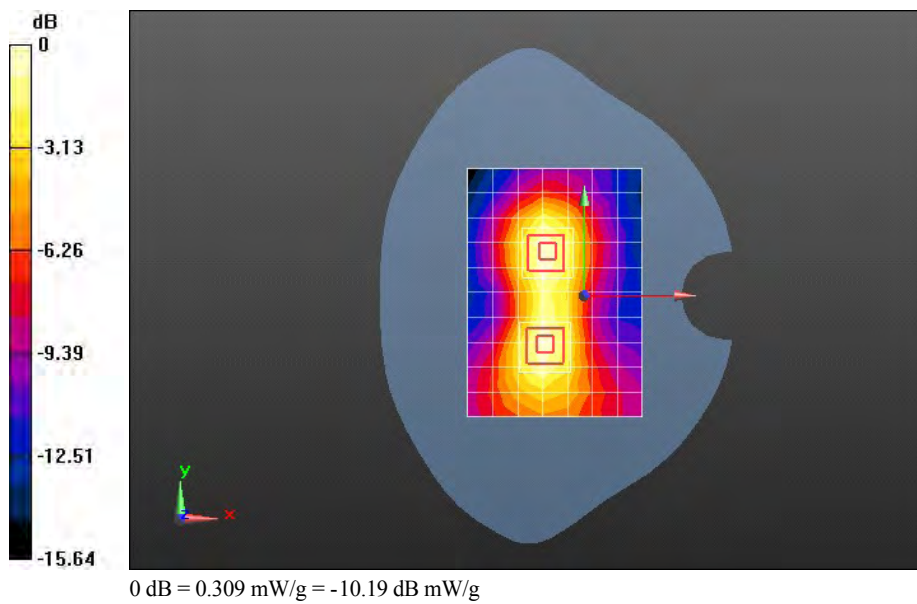
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.730 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.468 mW/g

SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 0.320 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 1RB#99 18900CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.210 mW/g

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

Reference Value = 10.785 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.307 mW/g

SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 0.215 mW/g

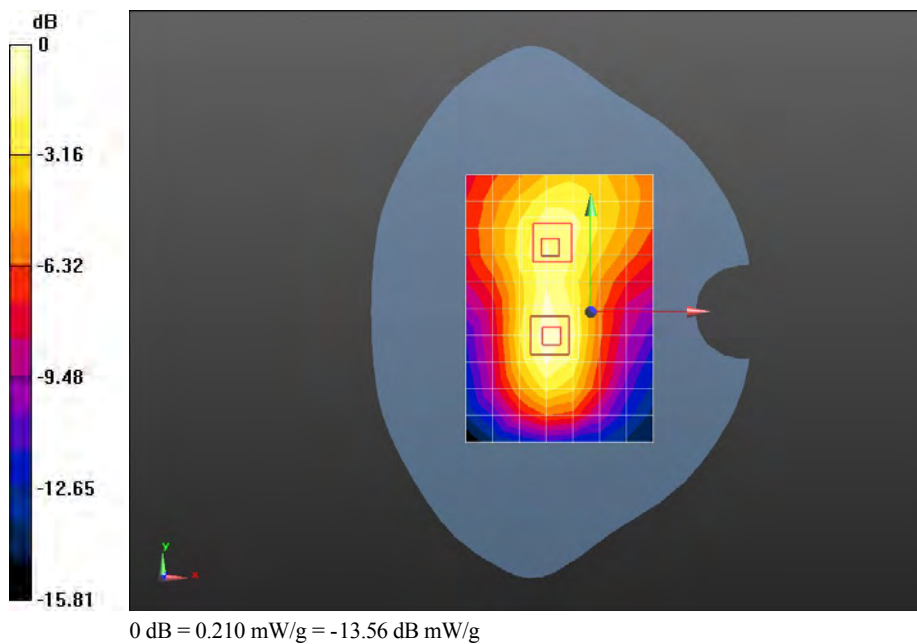
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.785 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.248 mW/g

SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.099 mW/g

Maximum value of SAR (measured) = 0.175 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M QPSK 1RB#99 18900CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.332 mW/g

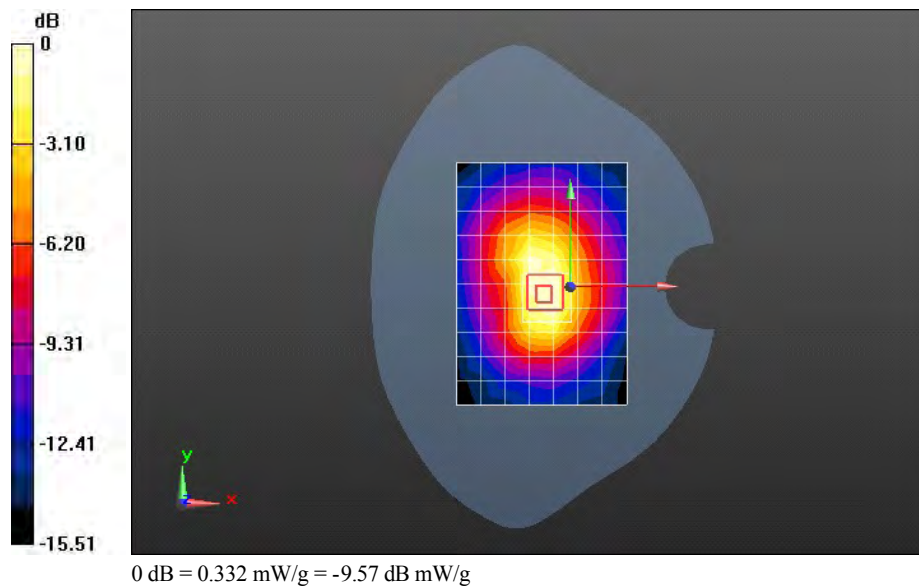
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.618 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.628 mW/g

SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.215 mW/g

Maximum value of SAR (measured) = 0.423 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 50%RB#25 18900CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.648 mW/g

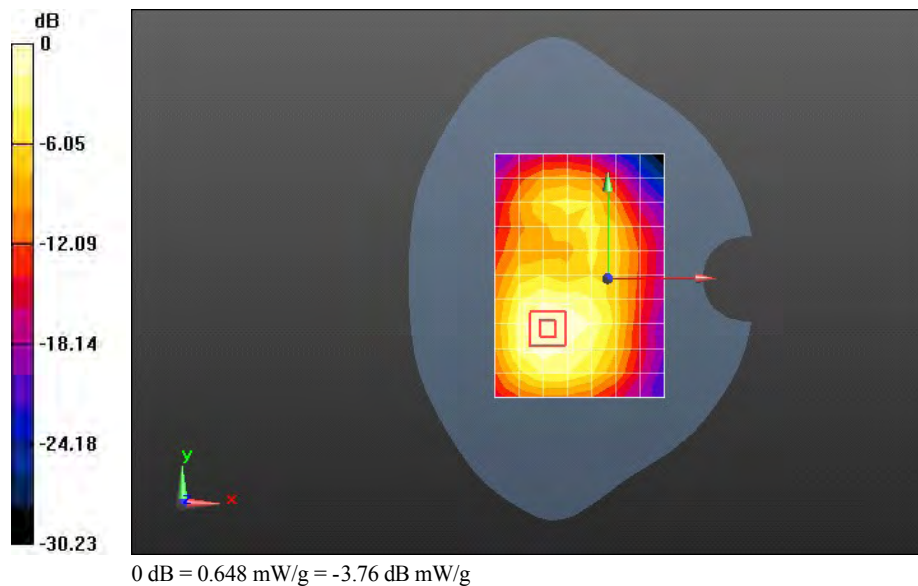
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.981 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.957 mW/g

SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.366 mW/g

Maximum value of SAR (measured) = 0.661 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 50%RB#25 18900CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.441 mW/g

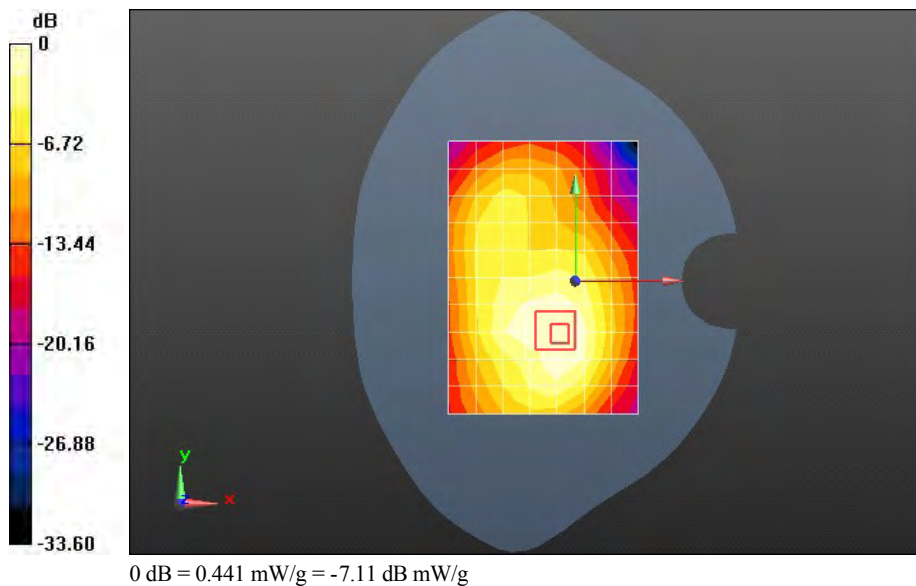
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.437 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.654 mW/g

SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.252 mW/g

Maximum value of SAR (measured) = 0.444 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 50%RB#25 18900CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.163 mW/g

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

Reference Value = 9.390 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.240 mW/g

SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.165 mW/g

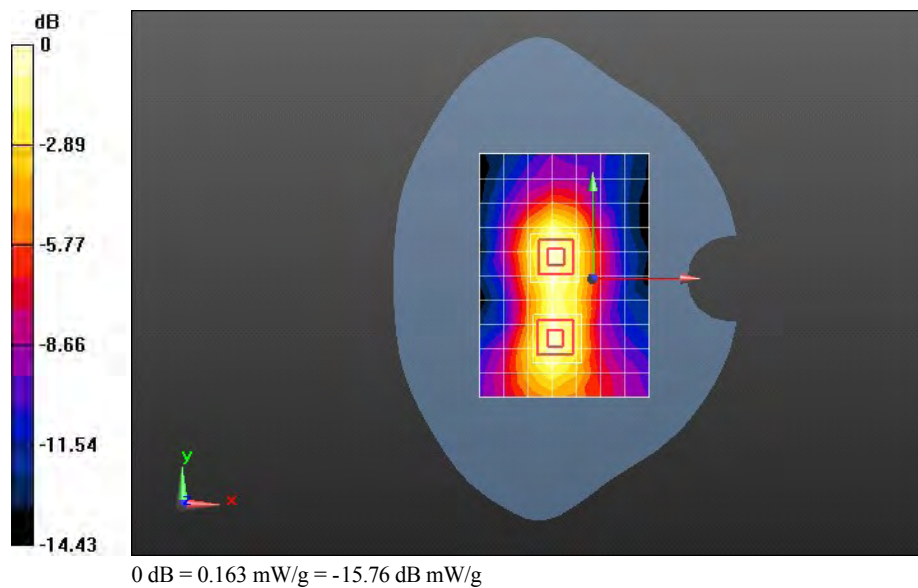
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.390 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.248 mW/g

SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.168 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 50%RB#25 18900CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.124 mW/g

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

Reference Value = 7.298 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.182 mW/g

SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.068 mW/g

Maximum value of SAR (measured) = 0.125 mW/g

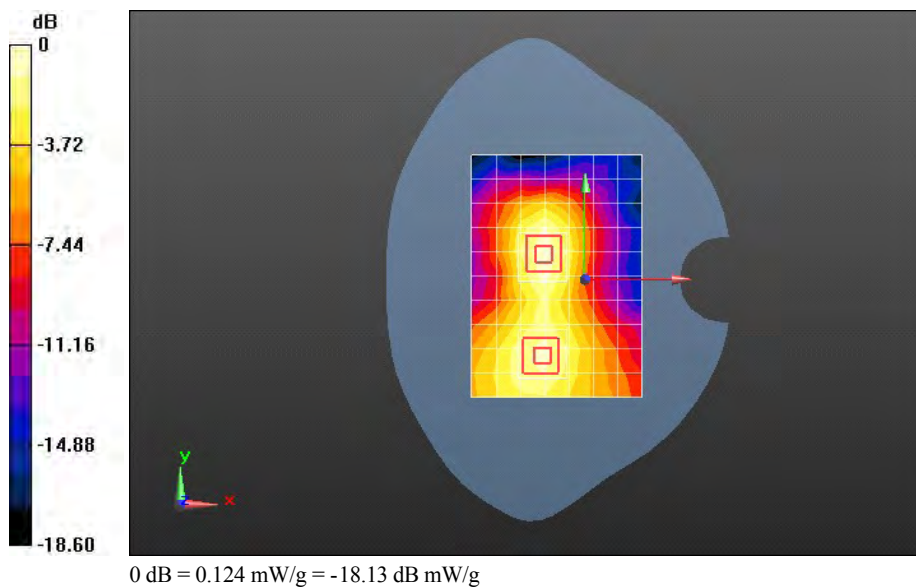
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.298 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.154 mW/g

SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.060 mW/g

Maximum value of SAR (measured) = 0.105 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 50%RB#25 18900CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.225 mW/g

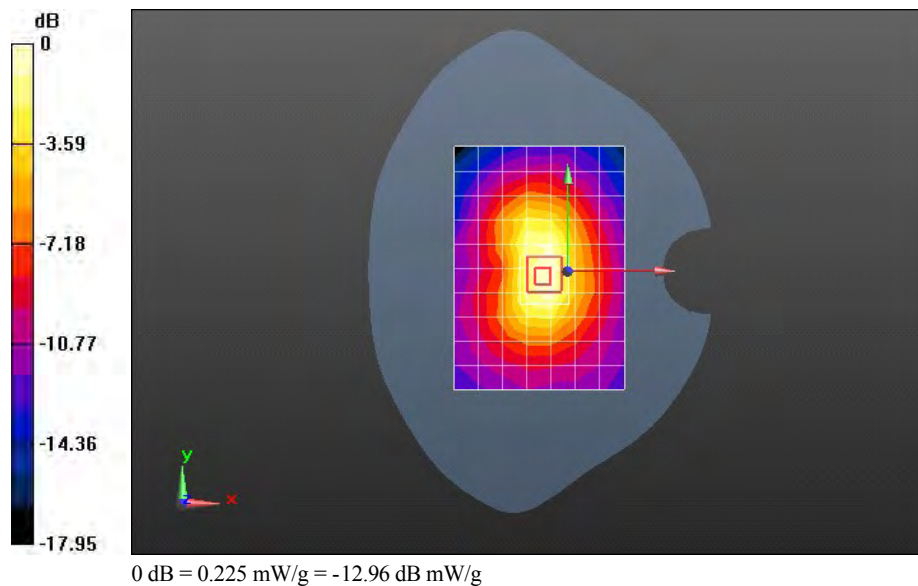
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.249 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.390 mW/g

SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.273 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 1RB#0 19100CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.582$ mho/m; $\epsilon_r = 52.873$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.955 mW/g

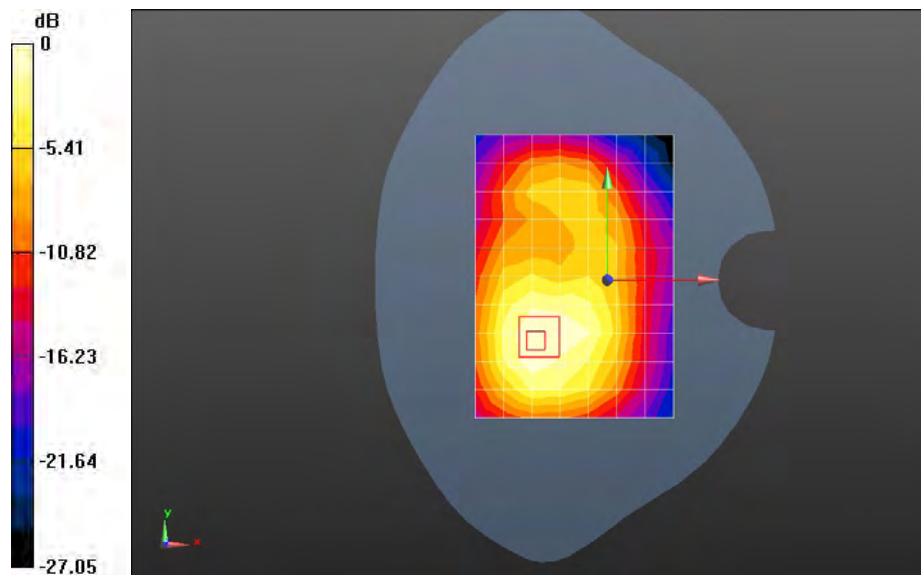
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.968 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.421 mW/g

SAR(1 g) = 0.876 mW/g; SAR(10 g) = 0.527 mW/g

Maximum value of SAR (measured) = 0.963 mW/g



0 dB = 0.955 mW/g = -0.40 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 1RB#0 19100CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.582$ mho/m; $\epsilon_r = 52.873$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.616 mW/g

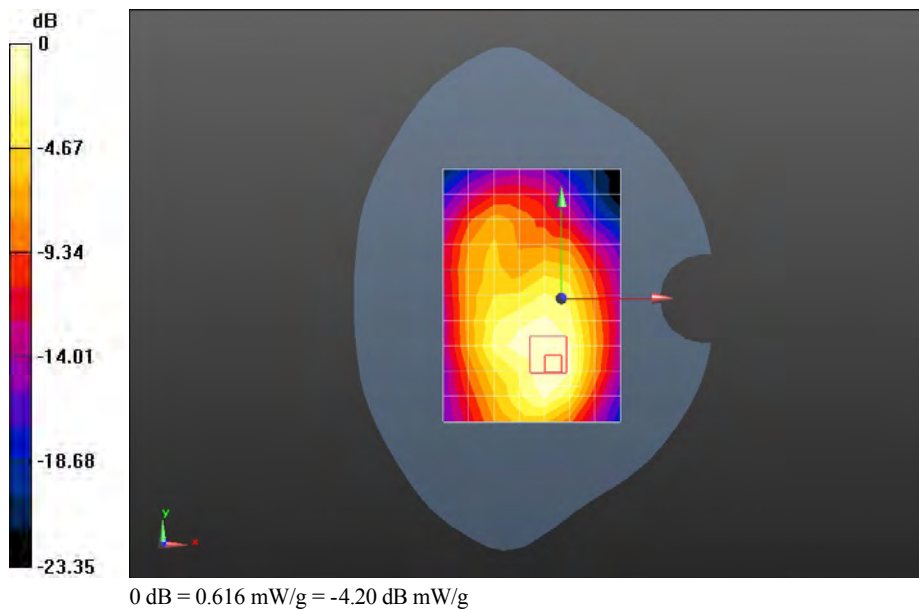
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.585 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.986 mW/g

SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.354 mW/g

Maximum value of SAR (measured) = 0.646 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 1RB#0 19100CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.582$ mho/m; $\epsilon_r = 52.873$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.263 mW/g

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

Reference Value = 11.288 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.384 mW/g

SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.267 mW/g

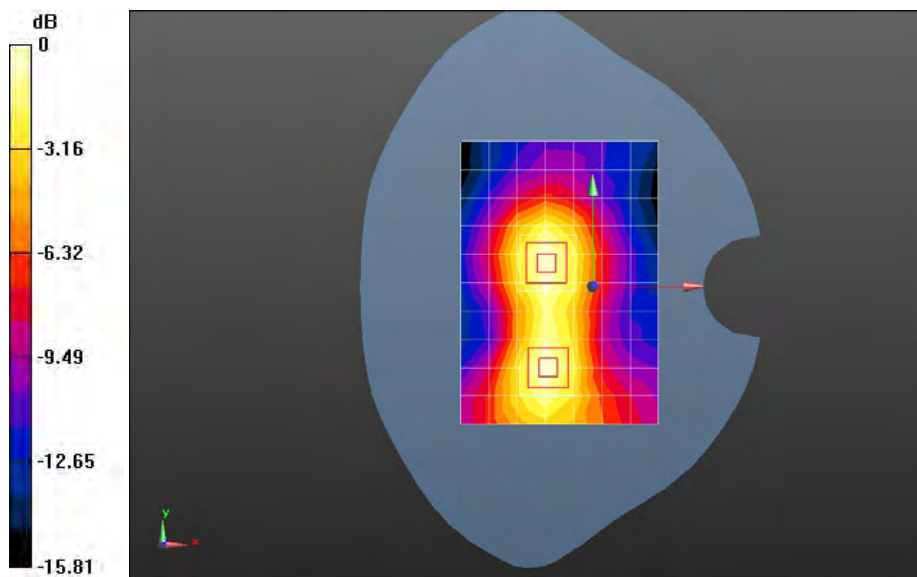
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.288 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.382 mW/g

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.261 mW/g



0 dB = 0.263 mW/g = -11.59 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 1RB#0 19100CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.582$ mho/m; $\epsilon_r = 52.873$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.191 mW/g

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

Reference Value = 10.284 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.279 mW/g

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.109 mW/g

Maximum value of SAR (measured) = 0.198 mW/g

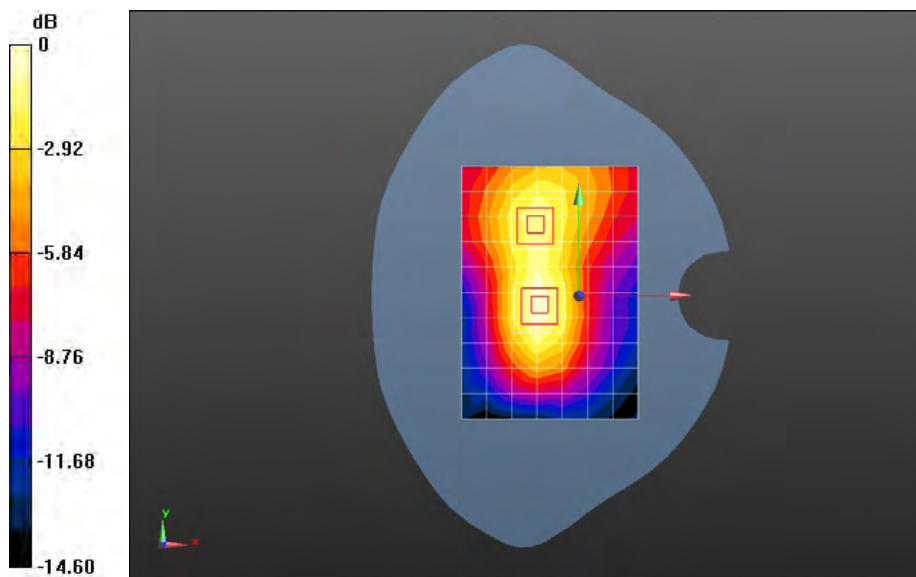
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.284 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.214 mW/g

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.148 mW/g



0 dB = 0.191 mW/g = -14.38 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 1RB#0 19100CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.582$ mho/m; $\epsilon_r = 52.873$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14,7.14,7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.418 mW/g

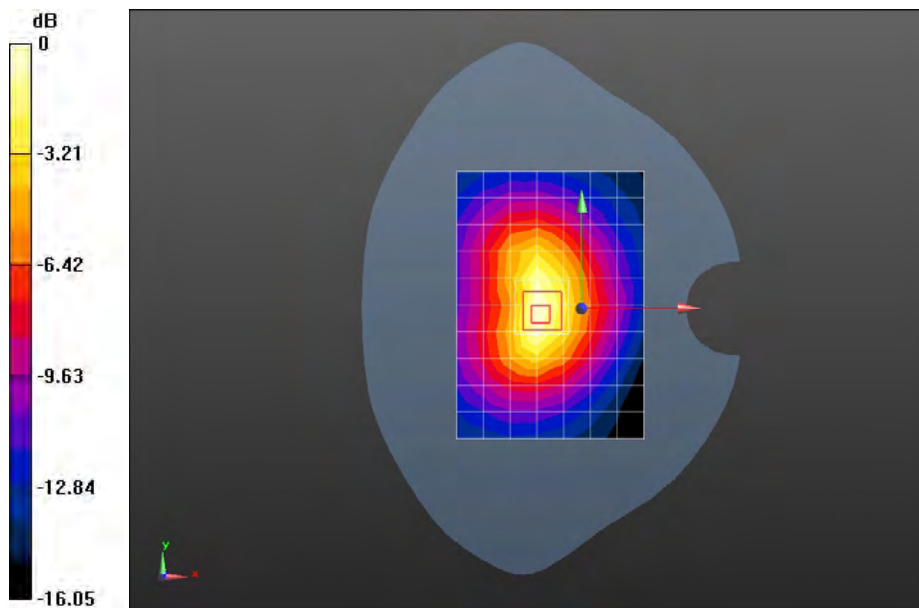
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.526 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.626 mW/g

SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.217 mW/g

Maximum value of SAR (measured) = 0.422 mW/g



0 dB = 0.418 mW/g = -7.57 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 1RB#99 18900CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.01 mW/g

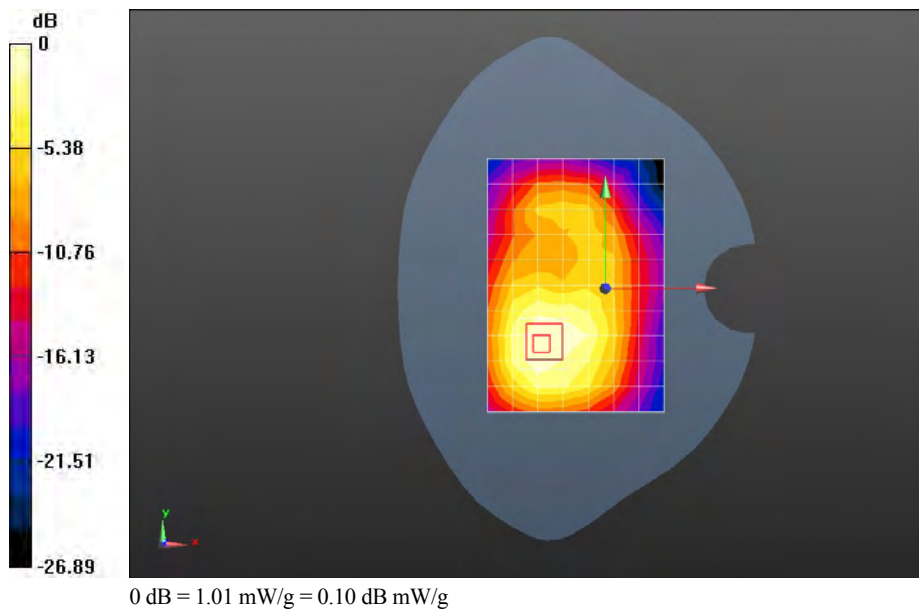
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.895 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.548 mW/g

SAR(1 g) = 0.961 mW/g; SAR(10 g) = 0.578 mW/g

Maximum value of SAR (measured) = 1.05 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 1RB#99 18900CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.630 mW/g

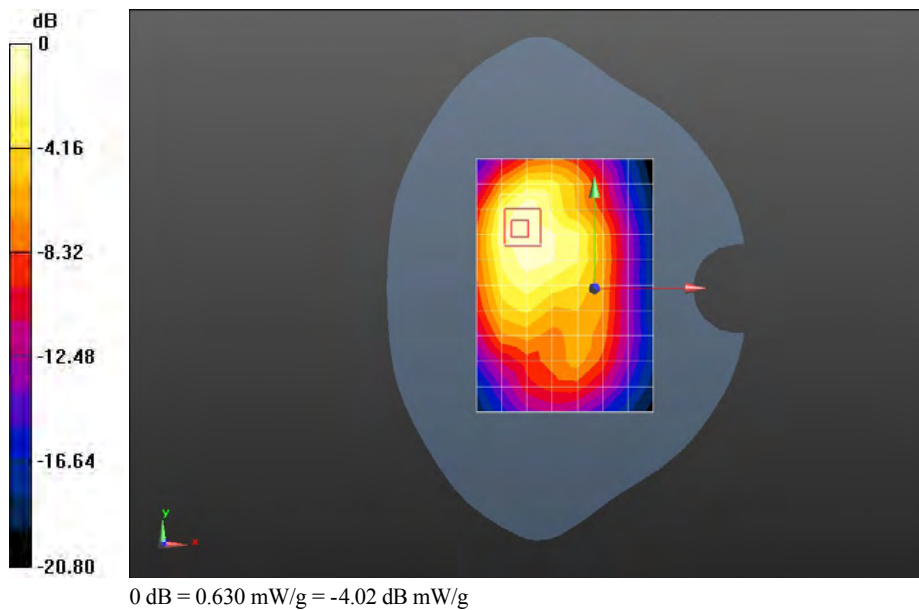
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.641 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.010 mW/g

SAR(1 g) = 0.604 mW/g; SAR(10 g) = 0.359 mW/g

Maximum value of SAR (measured) = 0.646 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 1RB#99 18900CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.262 mW/g

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

Reference Value = 11.668 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.419 mW/g

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.269 mW/g

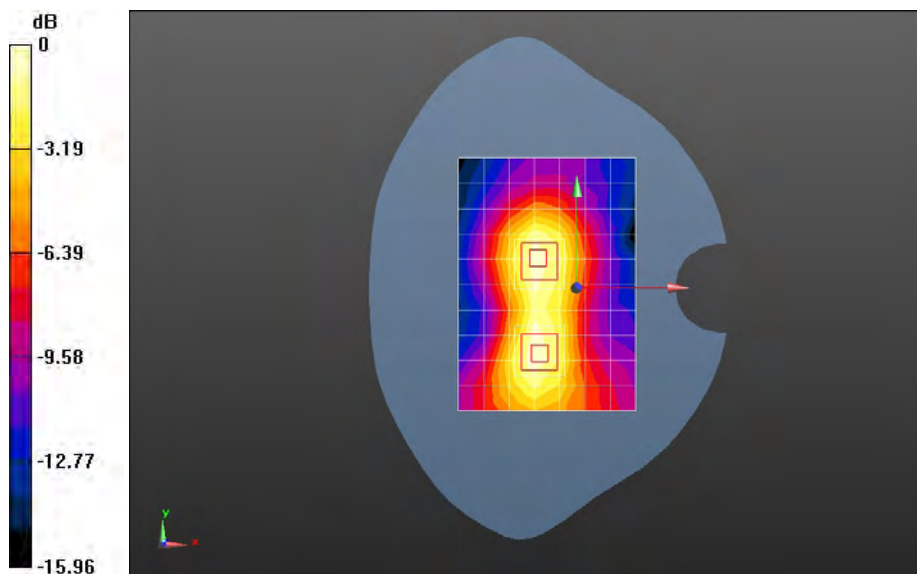
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.668 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.376 mW/g

SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.143 mW/g

Maximum value of SAR (measured) = 0.263 mW/g



0 dB = 0.262 mW/g = -11.62 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 1RB#99 18900CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.196 mW/g

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

Reference Value = 10.539 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.285 mW/g

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.201 mW/g

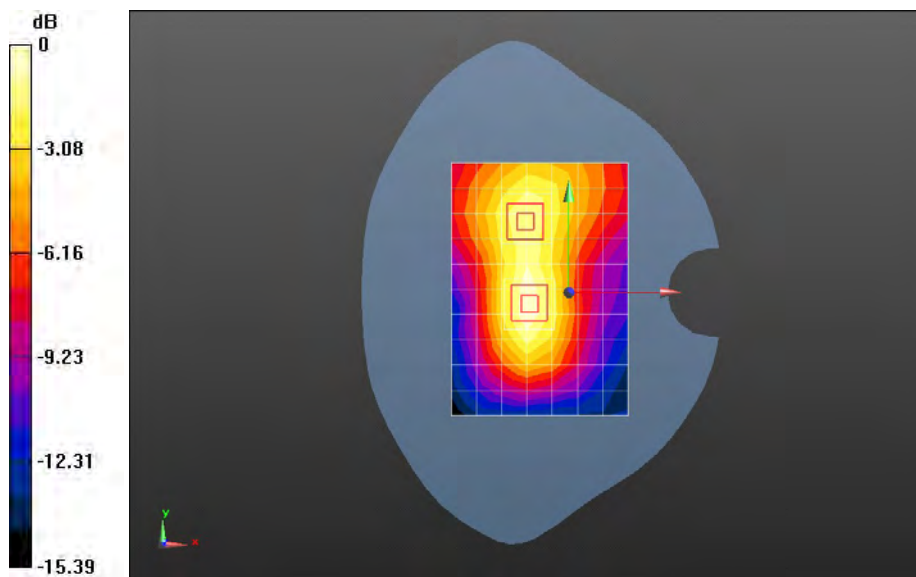
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.539 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.229 mW/g

SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.155 mW/g



0 dB = 0.196 mW/g = -14.16 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band II 20M 16QAM 1RB#99 18900CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 52.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.440 mW/g

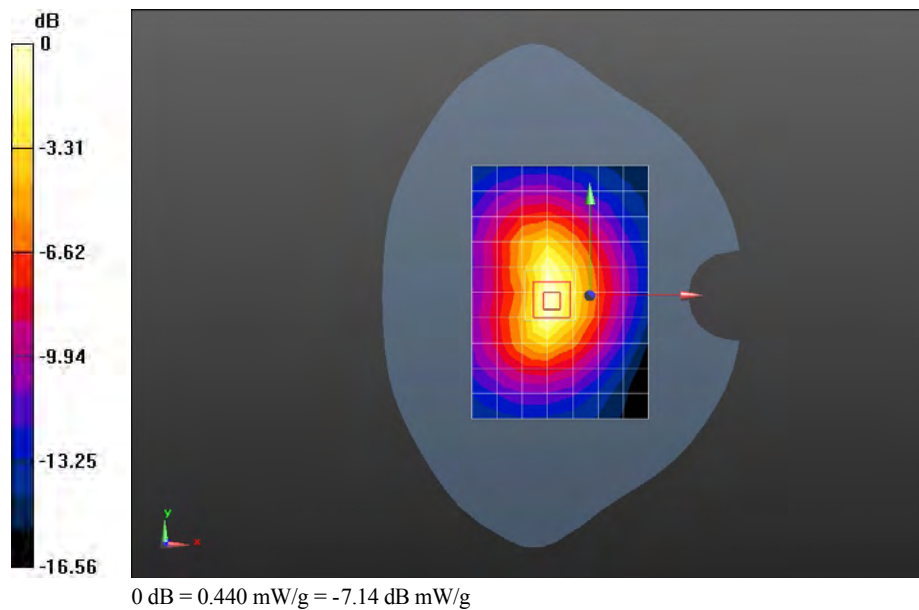
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.830 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.647 mW/g

SAR(1 g) = 0.395 mW/g; SAR(10 g) = 0.222 mW/g

Maximum value of SAR (measured) = 0.442 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 50%RB#25 20300CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1745 MHz

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 52.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.851 mW/g

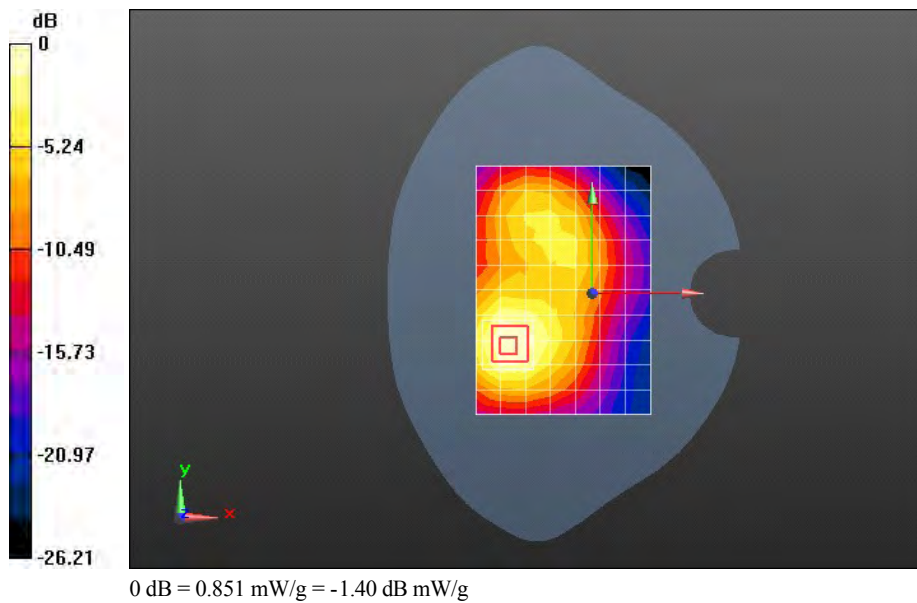
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.449 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.383 mW/g

SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.474 mW/g

Maximum value of SAR (measured) = 0.913 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 50%RB#25 20175CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.943 mW/g

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

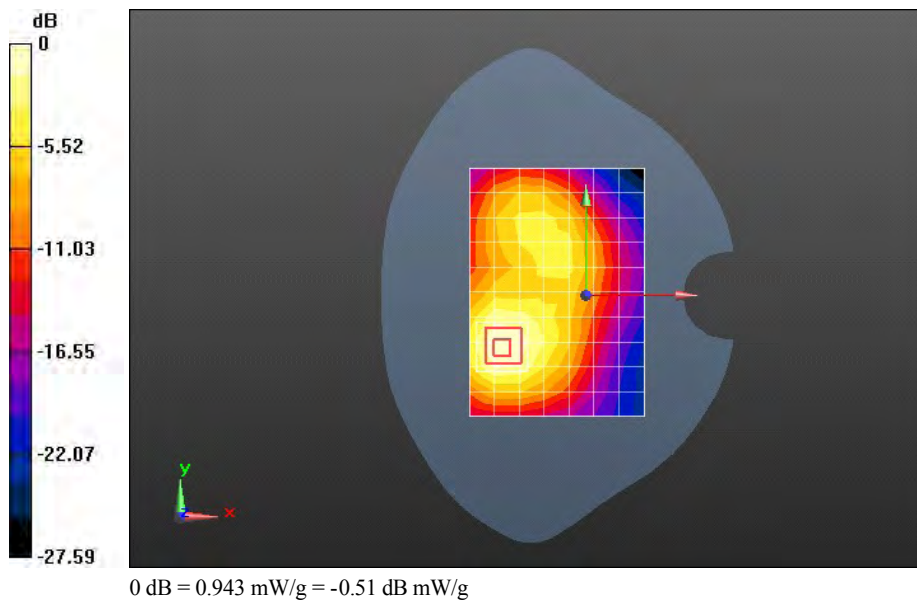
Reference Value = 12.642 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.541 mW/g

SAR(1 g) = 0.924 mW/g; SAR(10 g) = 0.531 mW/g

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

Maximum value of SAR (measured) = 1.01 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 50%RB#25 20050CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 53.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43,7.43,7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.919 mW/g

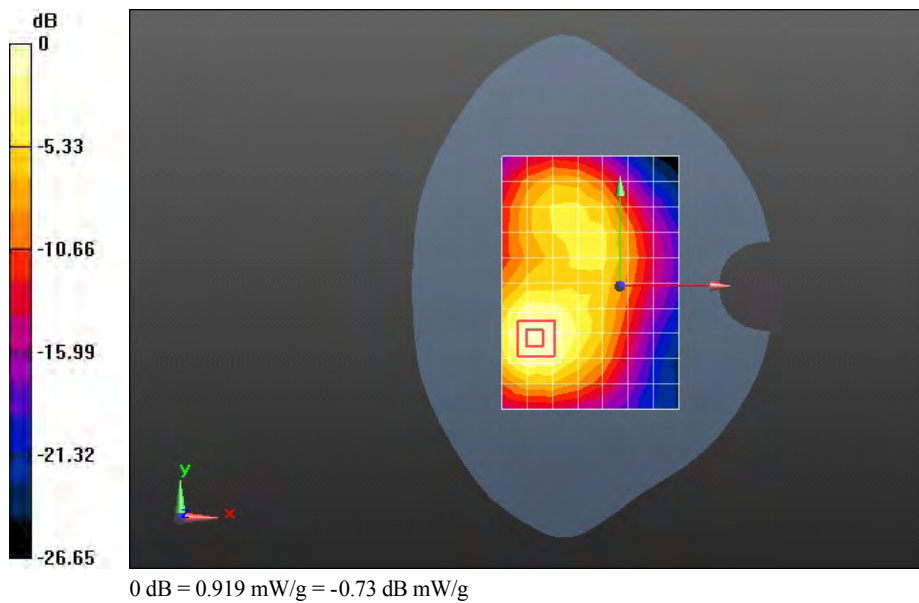
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.944 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.466 mW/g

SAR(1 g) = 0.885 mW/g; SAR(10 g) = 0.507 mW/g

Maximum value of SAR (measured) = 0.971 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 50%RB#25 20175CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43,7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.662 mW/g

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

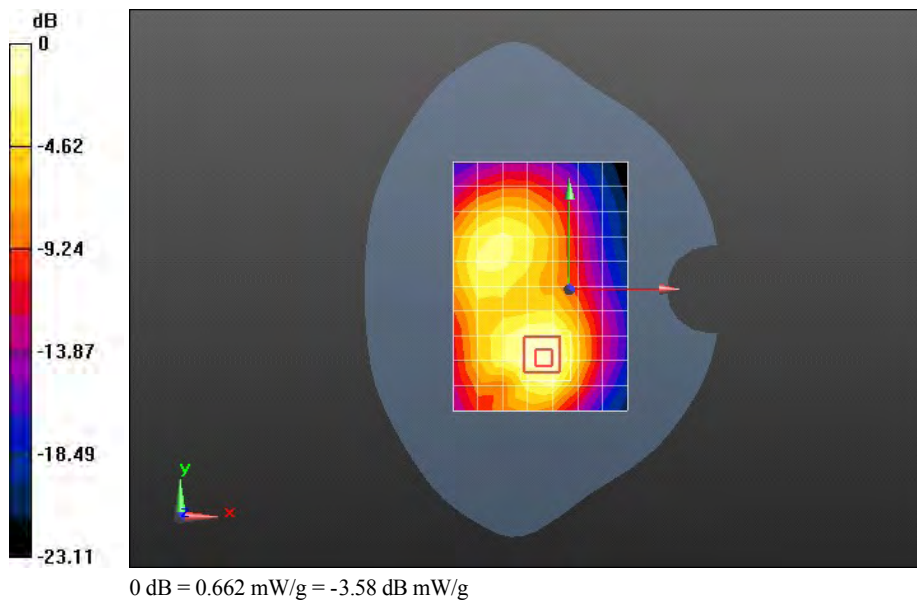
Reference Value = 10.561 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.133 mW/g

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.377 mW/g

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

Maximum value of SAR (measured) = 0.727 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 50%RB#25 20175CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.230 mW/g

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

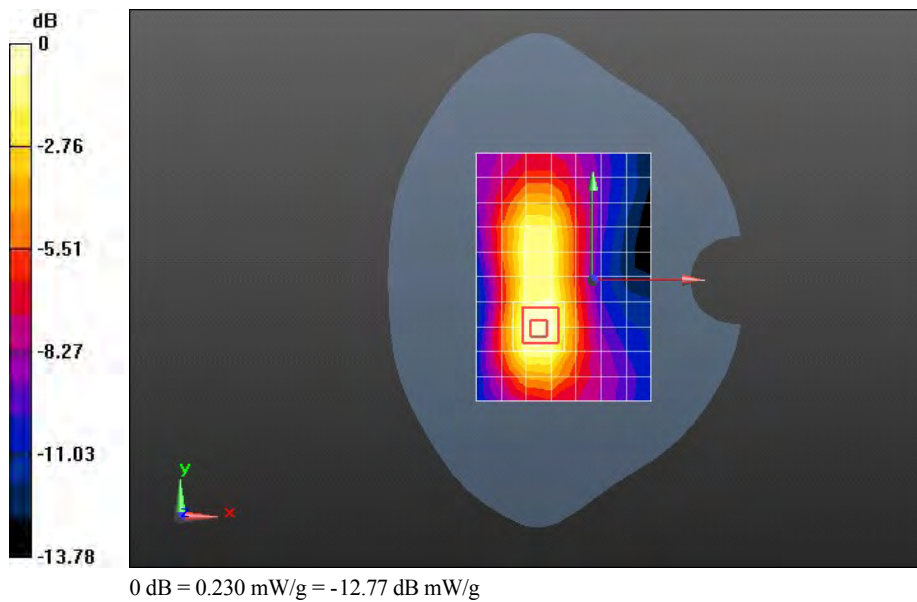
Reference Value = 8.267 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.401 mW/g

SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.144 mW/g

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

Maximum value of SAR (measured) = 0.270 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 50%RB#25 20175CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.199 mW/g

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

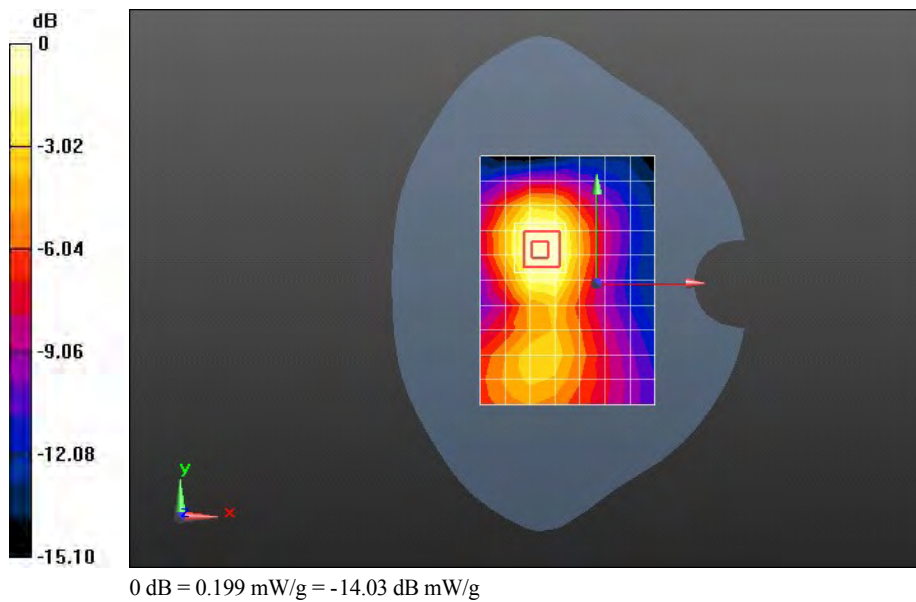
Reference Value = 7.774 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.327 mW/g

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.128 mW/g

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

Maximum value of SAR (measured) = 0.227 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 50%RB#25 20175CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.336 mW/g

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

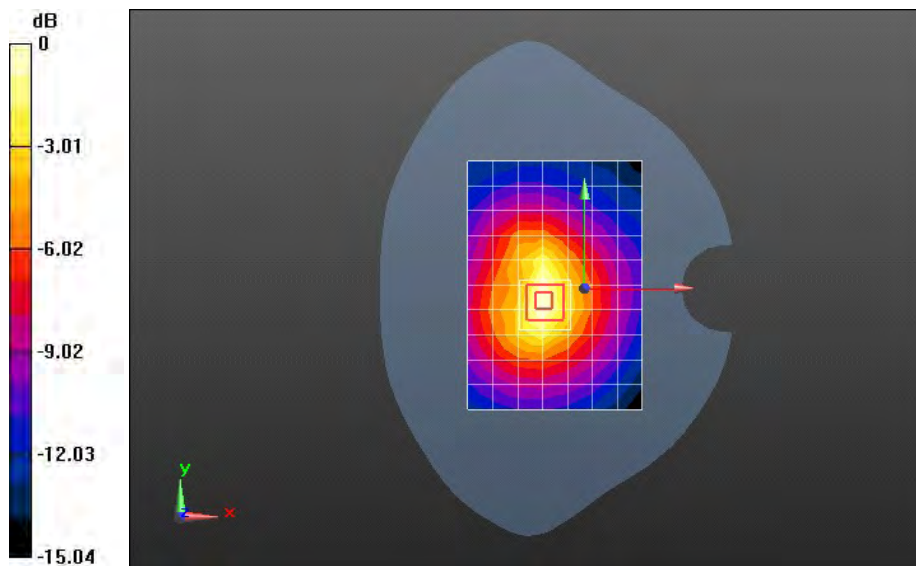
Reference Value = 12.909 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.501 mW/g

SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.176 mW/g

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

Maximum value of SAR (measured) = 0.342 mW/g



0 dB = 0.336 mW/g = -9.47 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 1RB#0 20175CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 1.01 mW/g

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

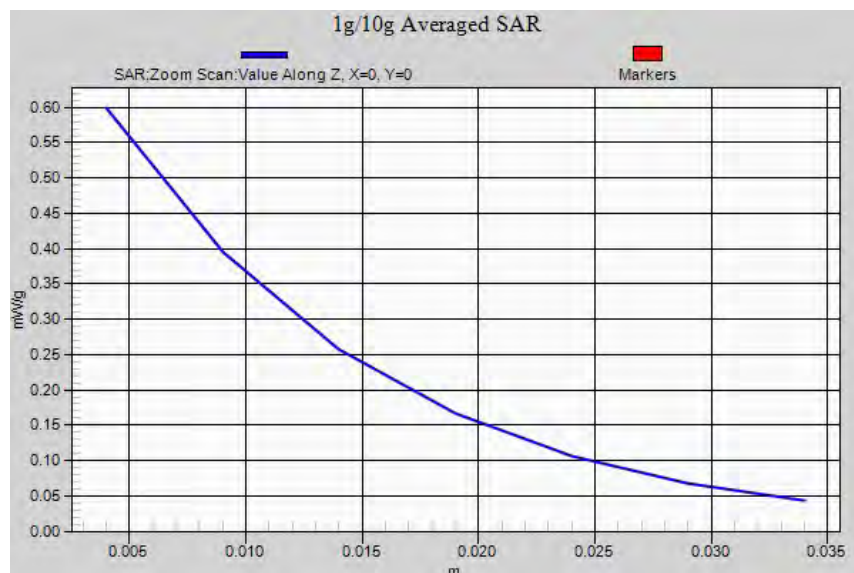
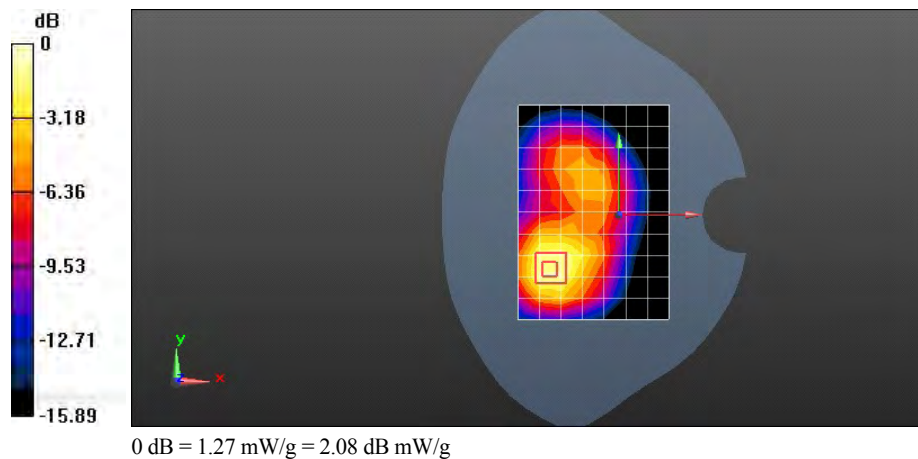
Reference Value = 15.396 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.912 mW/g

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.665 mW/g

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

Maximum value of SAR (measured) = 1.27 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 1RB#0 20175CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.870 mW/g

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

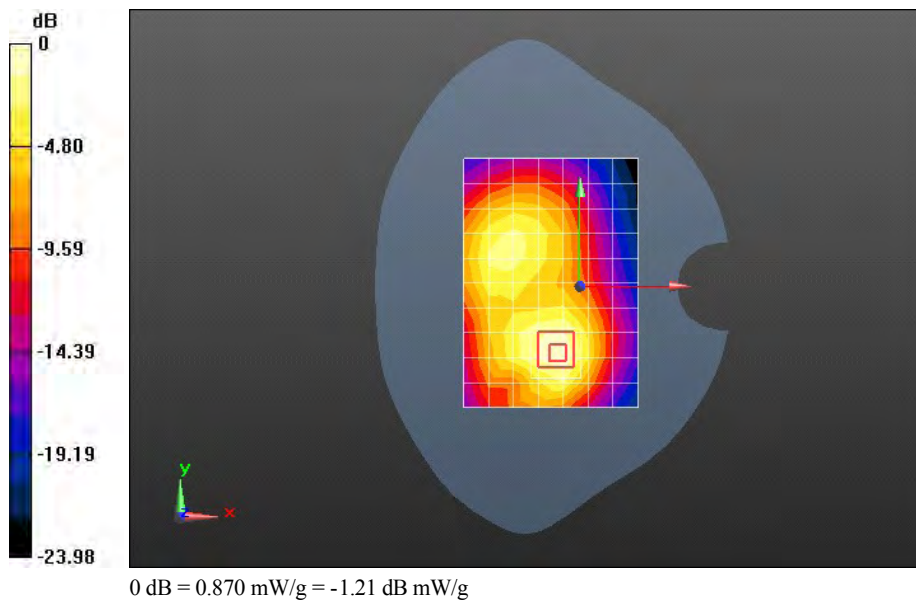
Reference Value = 12.089 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.404 mW/g

SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.475 mW/g

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

Maximum value of SAR (measured) = 0.918 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 1RB#0 20175CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.292 mW/g

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

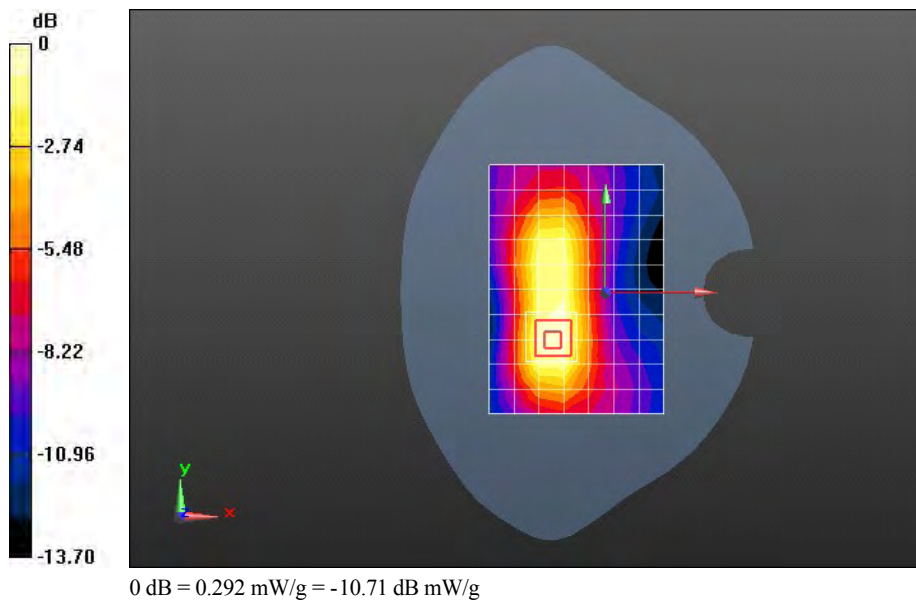
Reference Value = 9.850 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.505 mW/g

SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.179 mW/g

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

Maximum value of SAR (measured) = 0.336 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 1RB#0 20175CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.267 mW/g

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

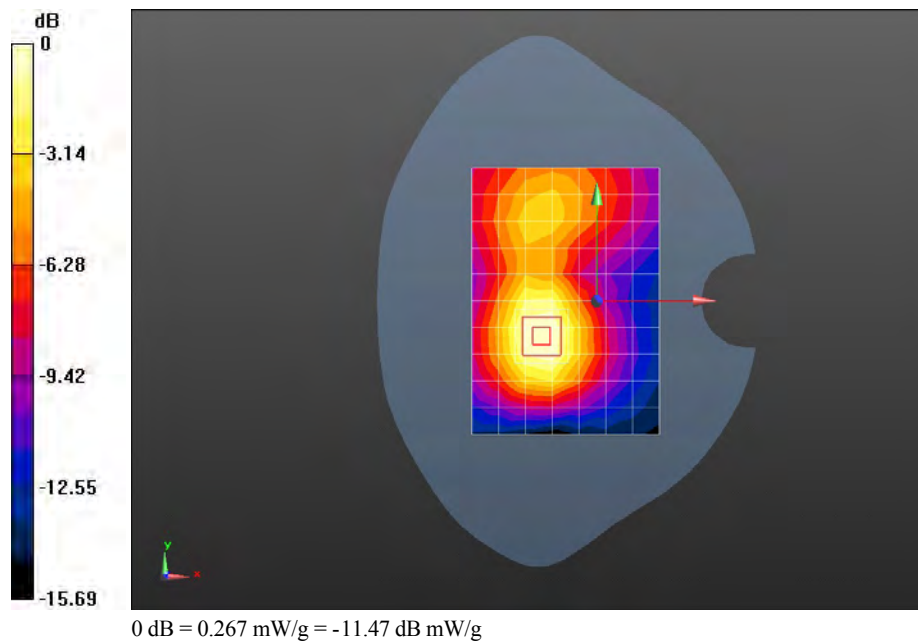
Reference Value = 8.955 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.459 mW/g

SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.169 mW/g

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

Maximum value of SAR (measured) = 0.310 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 1RB#0 20175CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.435 mW/g

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

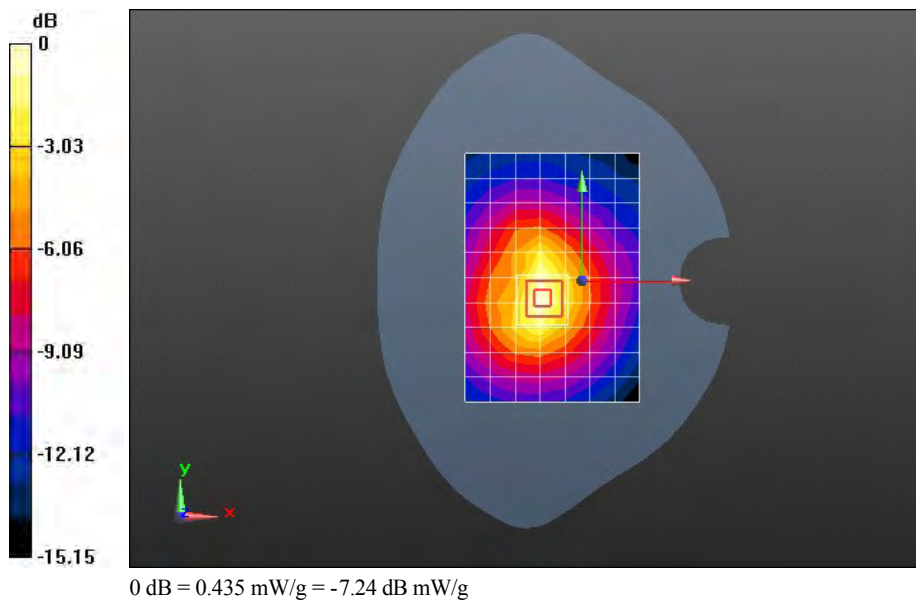
Reference Value = 14.839 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.638 mW/g

SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.226 mW/g

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

Maximum value of SAR (measured) = 0.441 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 1RB#99 20050CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 53.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.05 mW/g

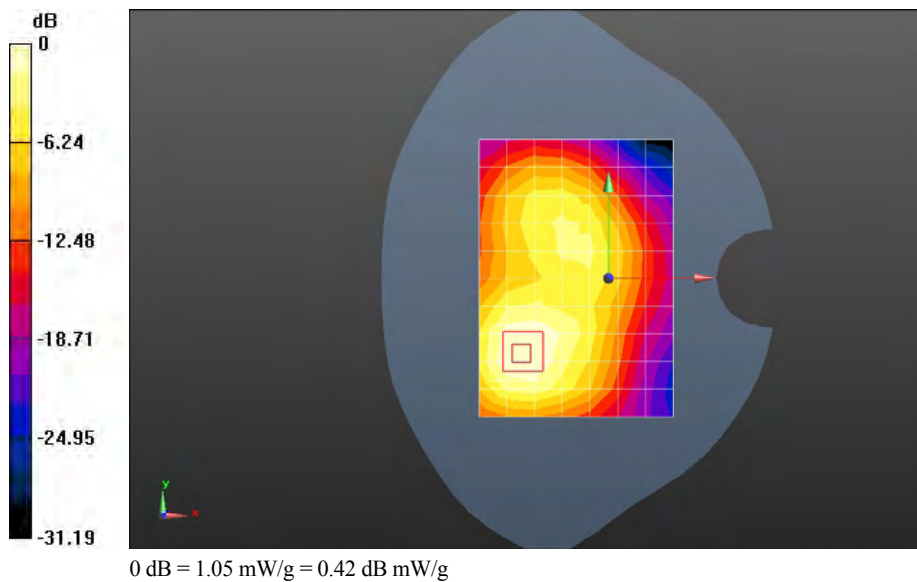
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.226 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.898 mW/g

SAR(1 g) = 1.10 mW/g; SAR(10 g) = 0.660 mW/g

Maximum value of SAR (measured) = 1.26 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 1RB#99 20050CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 53.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.757 mW/g

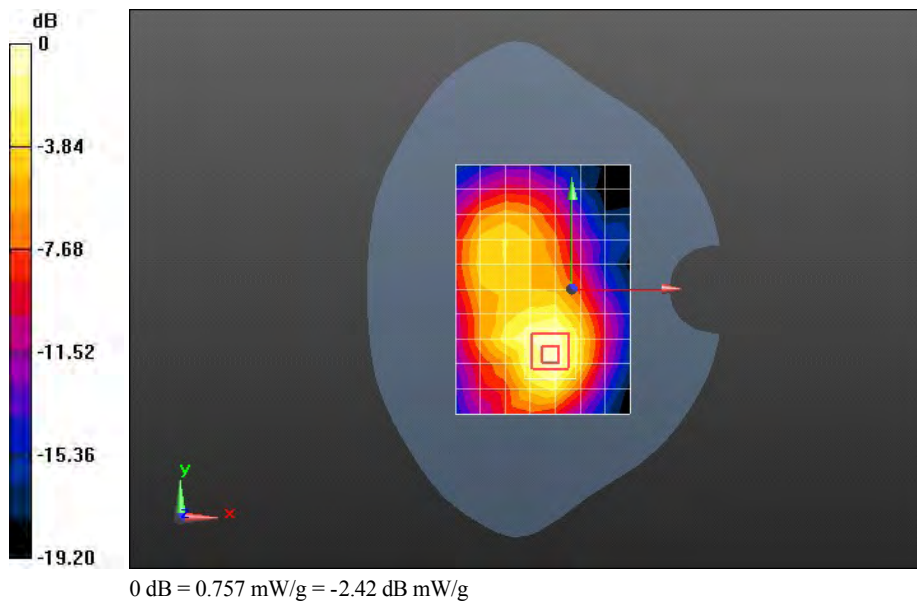
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.553 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.253 mW/g

SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.428 mW/g

Maximum value of SAR (measured) = 0.817 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 1RB#99 20050CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 53.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.300 mW/g

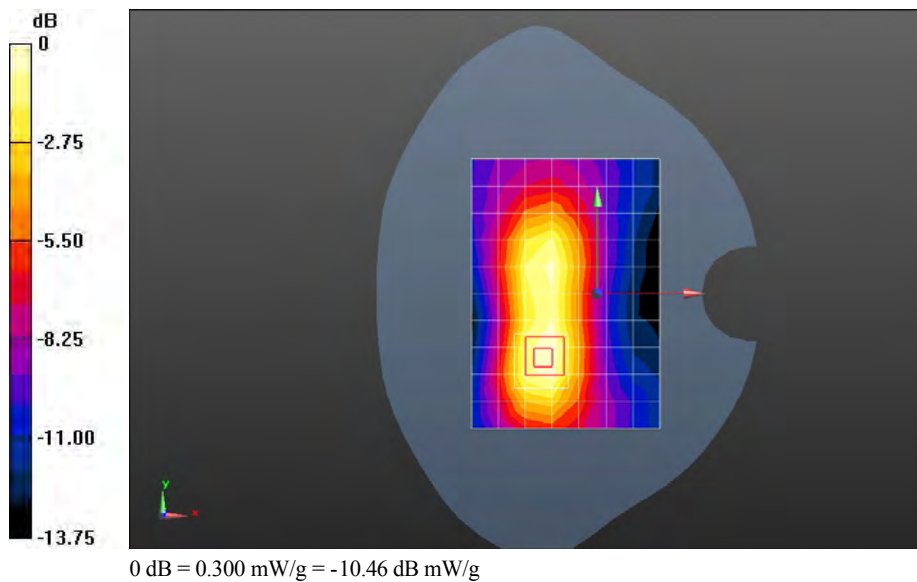
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.544 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.485 mW/g

SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.174 mW/g

Maximum value of SAR (measured) = 0.326 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 1RB#99 20050CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 53.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.126 mW/g

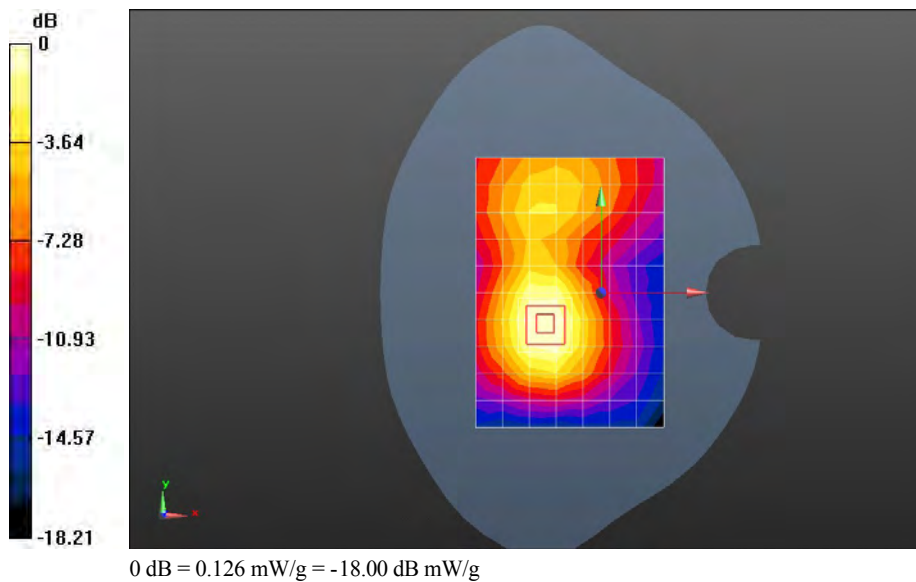
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.095 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.198 mW/g

SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.143 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M QPSK 1RB#99 20050CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 53.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.390 mW/g

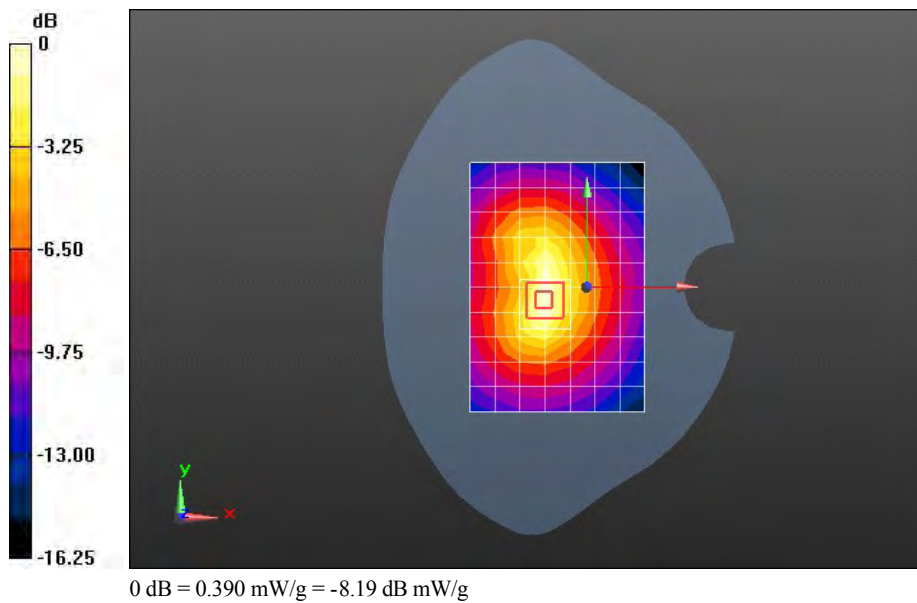
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.679 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.602 mW/g

SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.212 mW/g

Maximum value of SAR (measured) = 0.411 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 50%RB#25 20175CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.768 mW/g

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

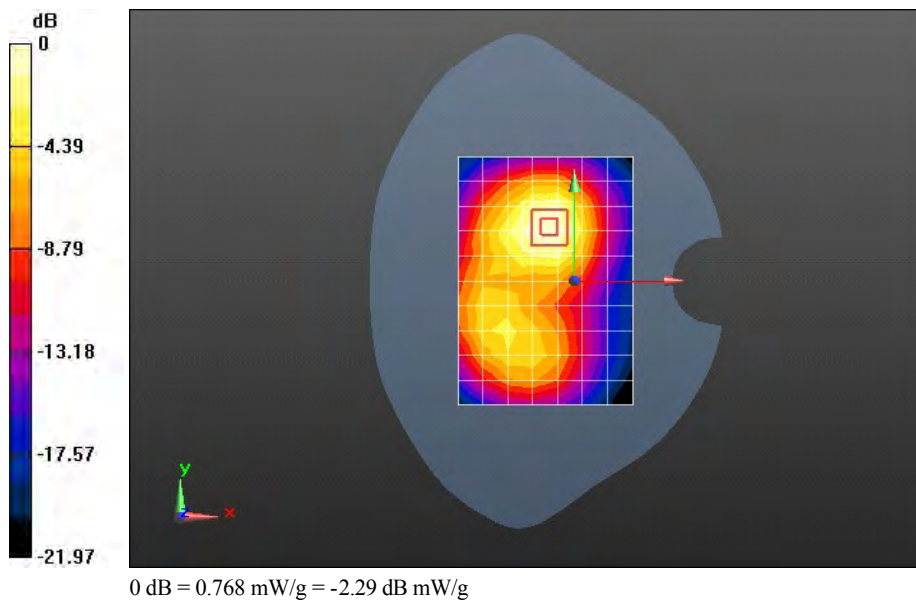
Reference Value = 10.313 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.580 mW/g

SAR(1 g) = 0.760 mW/g; SAR(10 g) = 0.448 mW/g

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

Maximum value of SAR (measured) = 0.838 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 50%RB#25 20175CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.481 mW/g

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

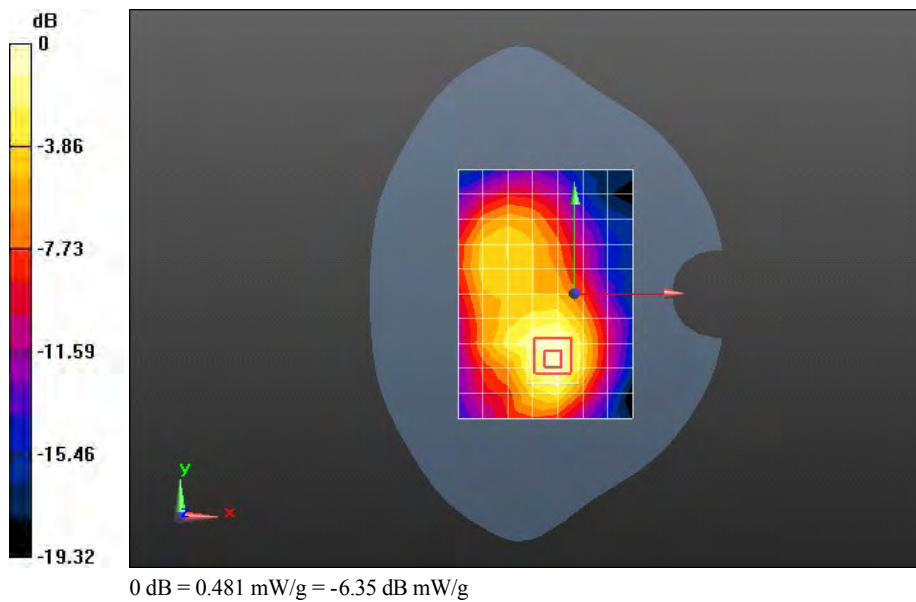
Reference Value = 10.104 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.793 mW/g

SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.274 mW/g

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

Maximum value of SAR (measured) = 0.519 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 50%RB#25 20175CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.184 mW/g

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

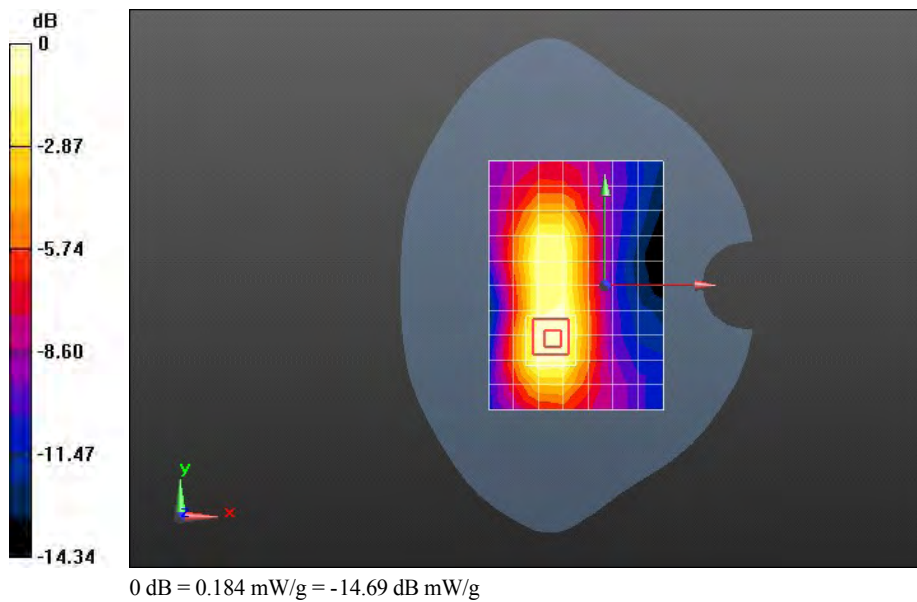
Reference Value = 7.513 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.331 mW/g

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.117 mW/g

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

Maximum value of SAR (measured) = 0.221 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 50%RB#25 20175CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.179 mW/g

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

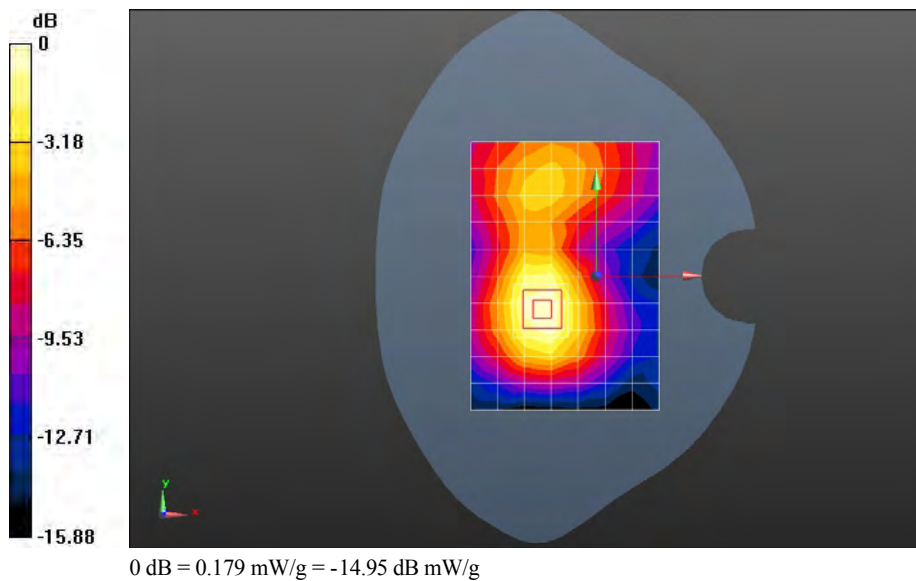
Reference Value = 7.330 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.284 mW/g

SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.107 mW/g

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

Maximum value of SAR (measured) = 0.195 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 50%RB#25 20175CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 53.005$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.260 mW/g

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

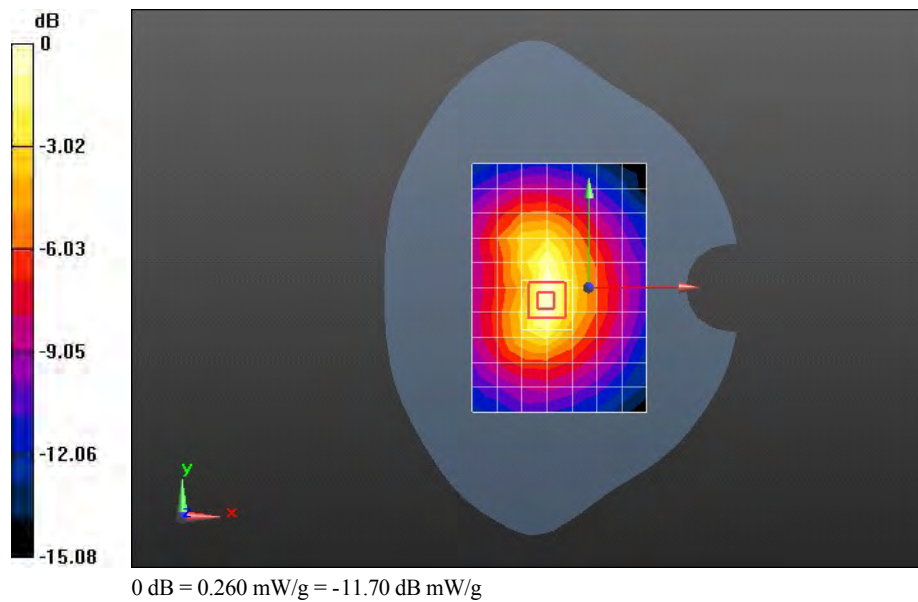
Reference Value = 11.090 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.401 mW/g

SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.141 mW/g

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

Maximum value of SAR (measured) = 0.275 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 1RB#0 20300CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 52.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.984 mW/g

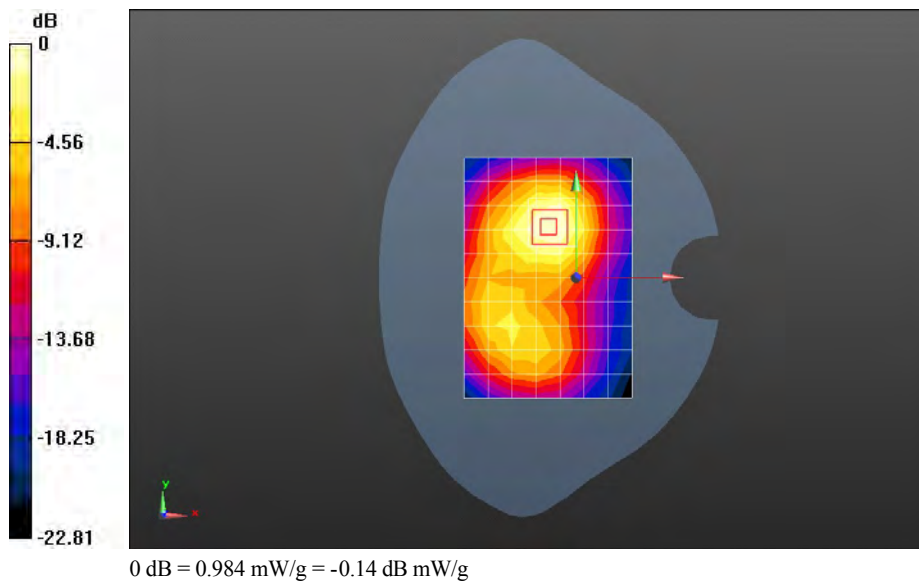
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.737 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.678 mW/g

SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.538 mW/g

Maximum value of SAR (measured) = 1.01 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 1RB#0 20300CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 52.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.581 mW/g

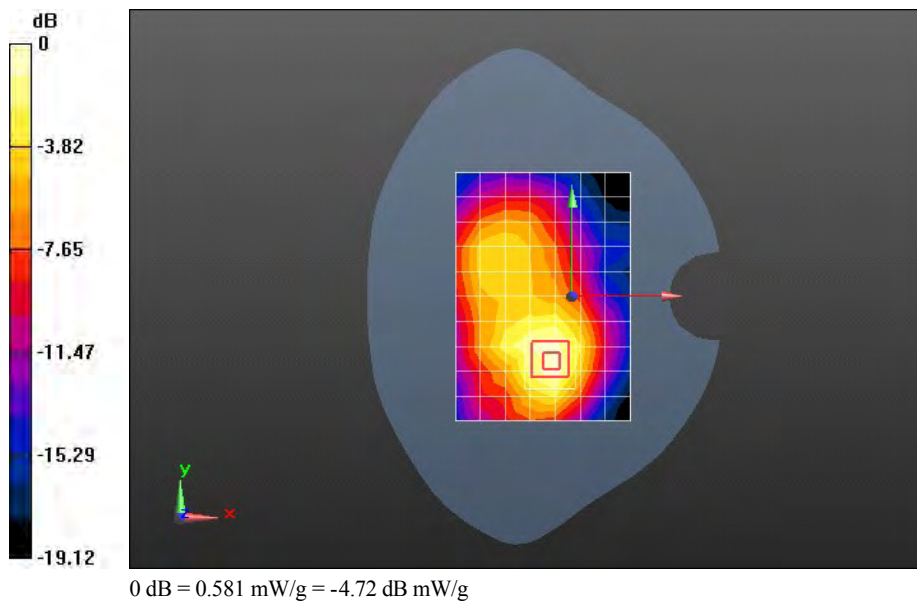
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.037 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.079 mW/g

SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.332 mW/g

Maximum value of SAR (measured) = 0.644 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 1RB#0 20300CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 52.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.212 mW/g

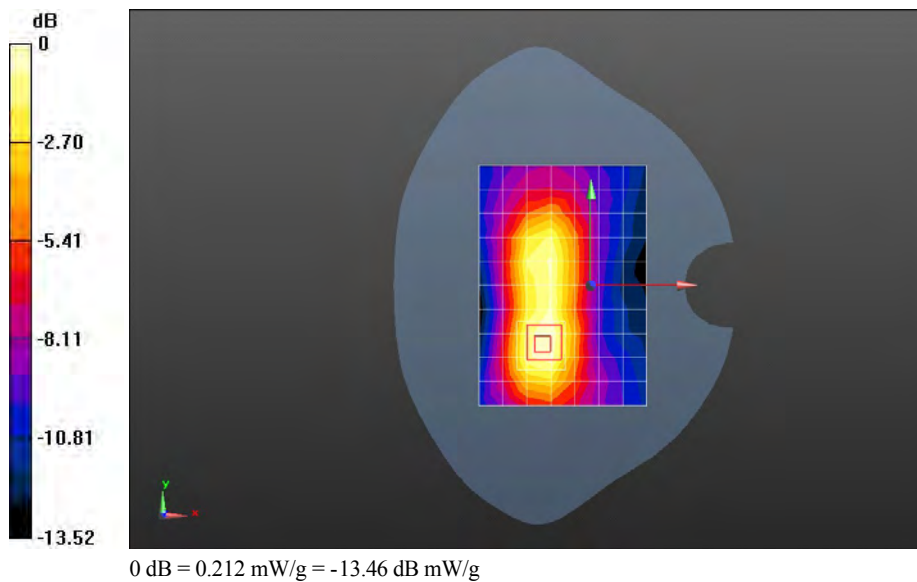
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.024 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.363 mW/g

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.125 mW/g

Maximum value of SAR (measured) = 0.235 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 1RB#0 20300CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 52.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.225 mW/g

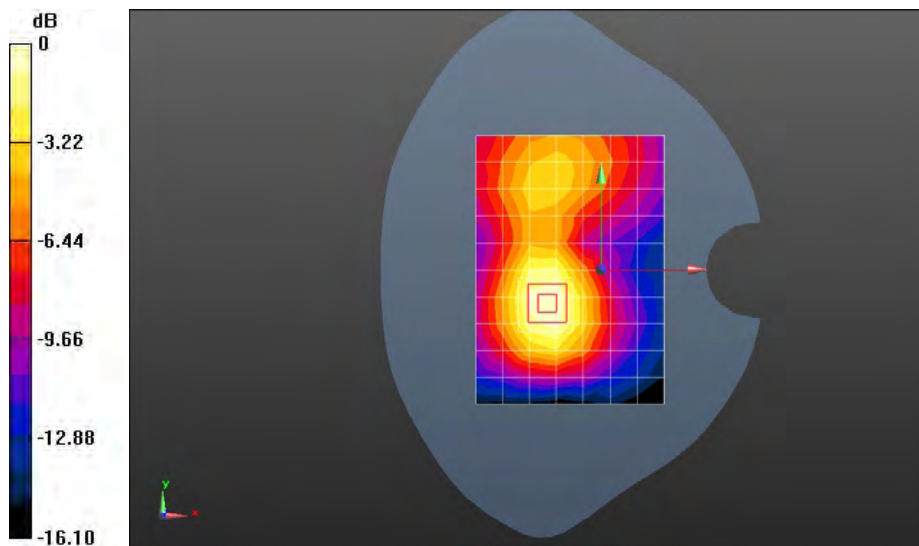
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.142 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.365 mW/g

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.249 mW/g



0 dB = 0.225 mW/g = -12.96 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 1RB#0 20300CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 52.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.352 mW/g

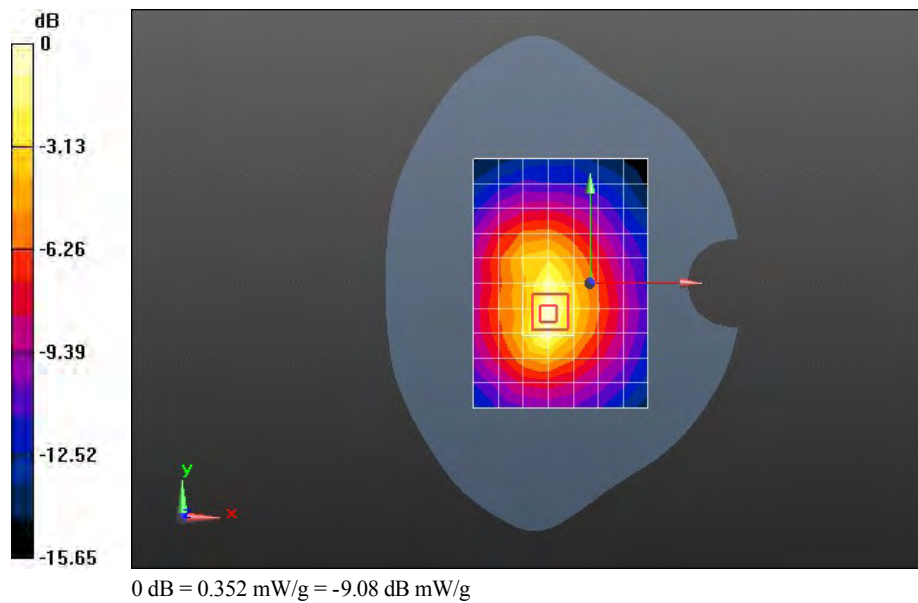
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.622 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.533 mW/g

SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 0.363 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 1RB#99 20050CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 53.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.868 mW/g

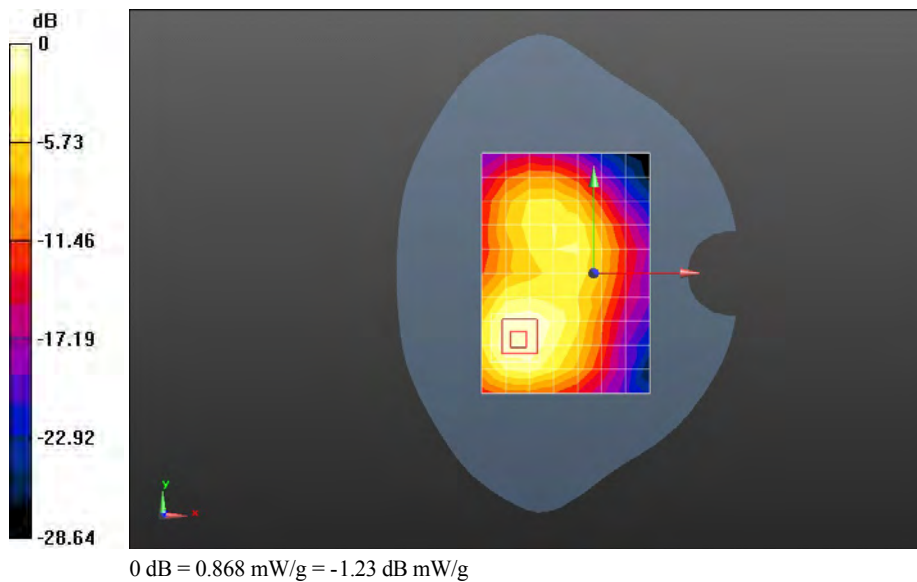
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.672 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.505 mW/g

SAR(1 g) = 0.926 mW/g; SAR(10 g) = 0.538 mW/g

Maximum value of SAR (measured) = 1.01 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 1RB#99 20050CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 53.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.643 mW/g

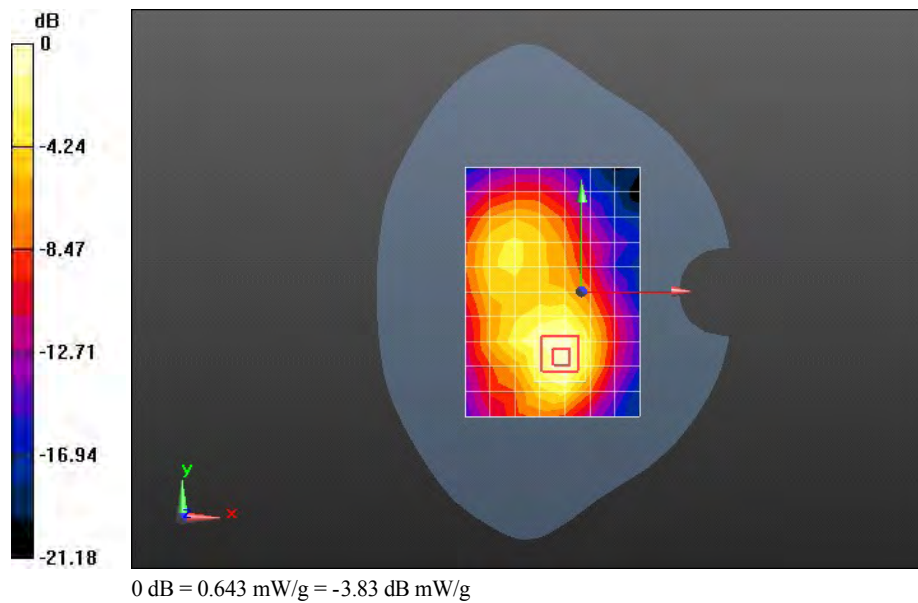
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.465 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.055 mW/g

SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.359 mW/g

Maximum value of SAR (measured) = 0.693 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 1RB#99 20050CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 53.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.259 mW/g

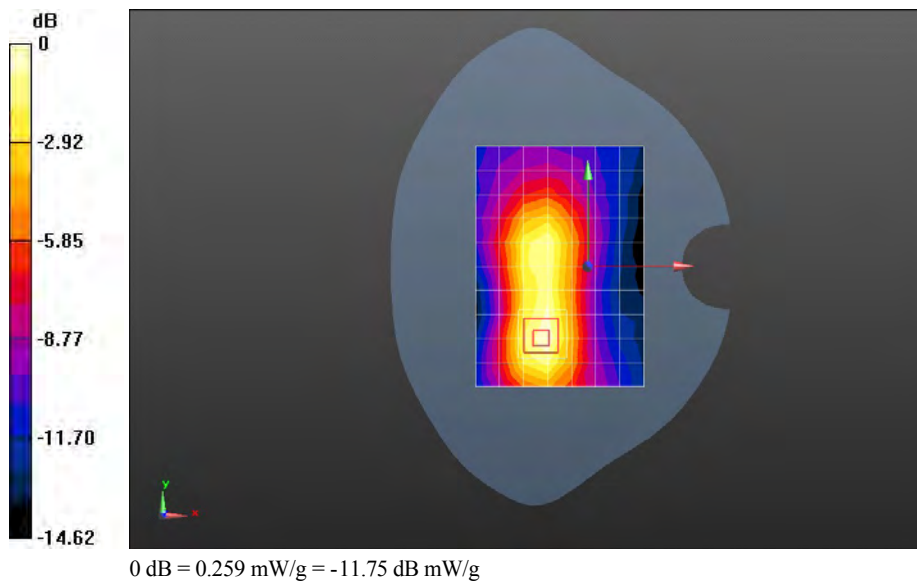
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.887 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.353 mW/g

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 0.257 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 1RB#99 20050CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 53.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.233 mW/g

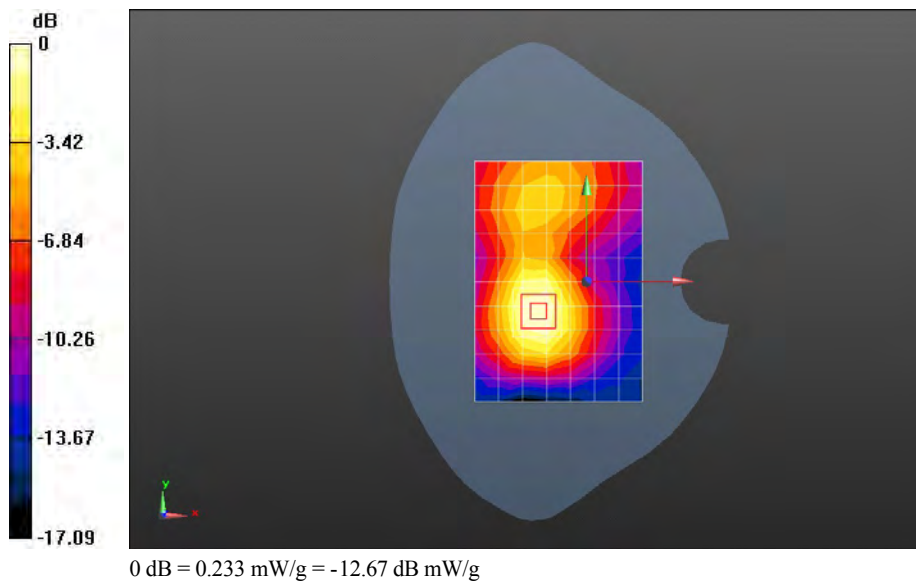
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.464 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.373 mW/g

SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.142 mW/g

Maximum value of SAR (measured) = 0.255 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band IV 20M 16QAM 1RB#99 20050CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 53.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.337 mW/g

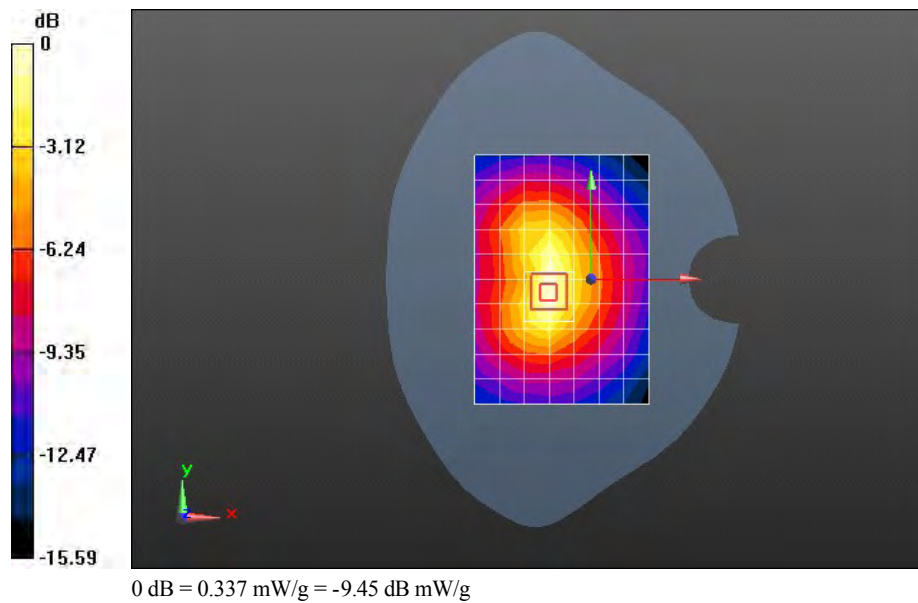
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.710 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.524 mW/g

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.183 mW/g

Maximum value of SAR (measured) = 0.354 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 50%RB#25 21100CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.583 mW/g

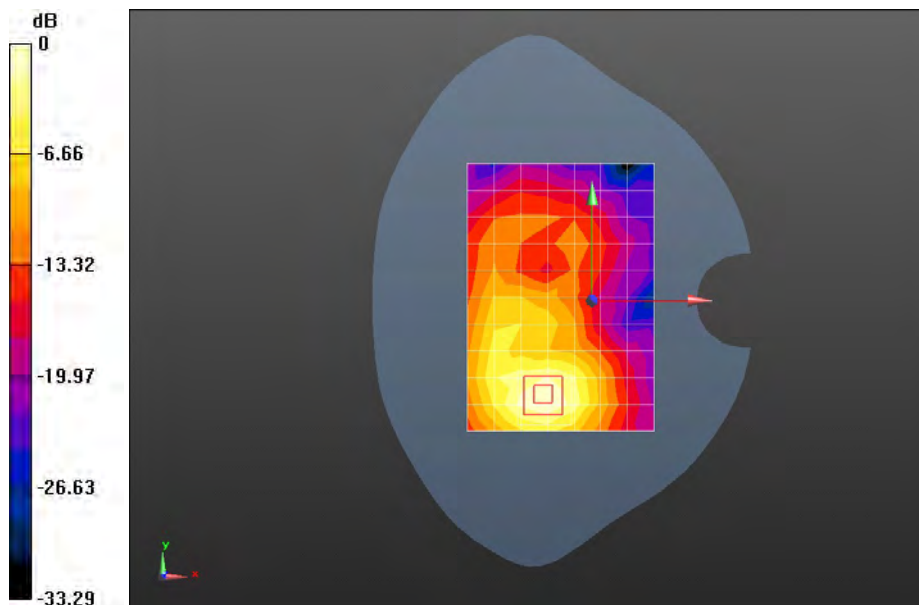
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.089 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.109 mW/g

SAR(1 g) = 0.608 mW/g; SAR(10 g) = 0.305 mW/g

Maximum value of SAR (measured) = 0.676 mW/g



0 dB = 0.583 mW/g = -4.69 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 50%RB#25 21100CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.640 mW/g

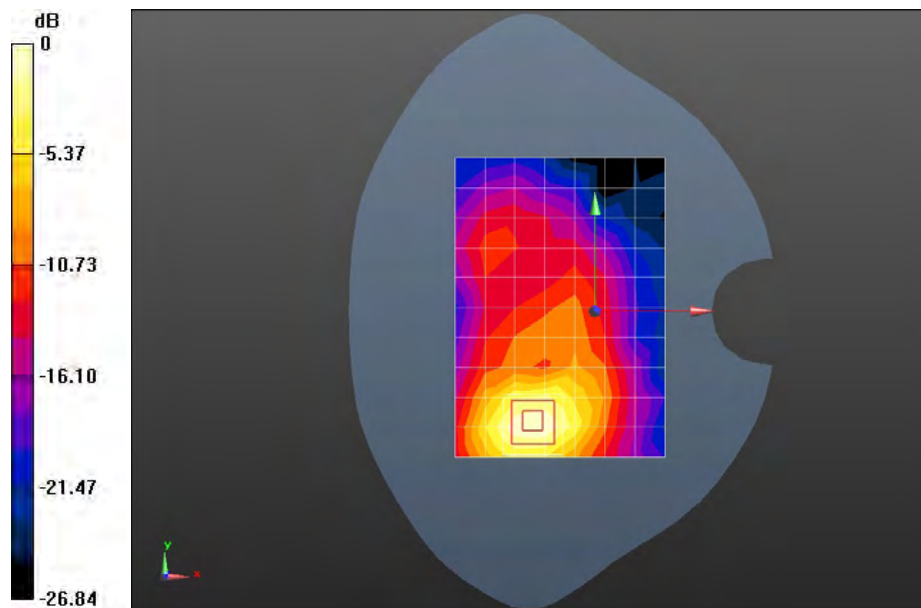
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.709 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.250 mW/g

SAR(1 g) = 0.680 mW/g; SAR(10 g) = 0.340 mW/g

Maximum value of SAR (measured) = 0.754 mW/g



0 dB = 0.640 mW/g = -3.88 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 50%RB#25 21100CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.139 mW/g

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

Reference Value = 6.183 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.229 mW/g

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.071 mW/g

Maximum value of SAR (measured) = 0.141 mW/g

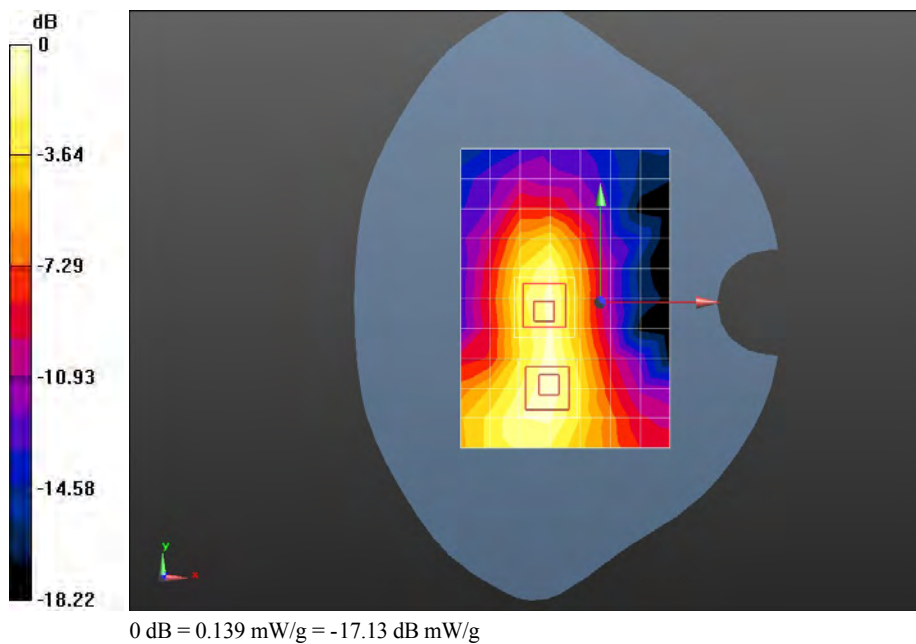
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.183 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.194 mW/g

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.125 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 50%RB#25 21100CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0850 mW/g

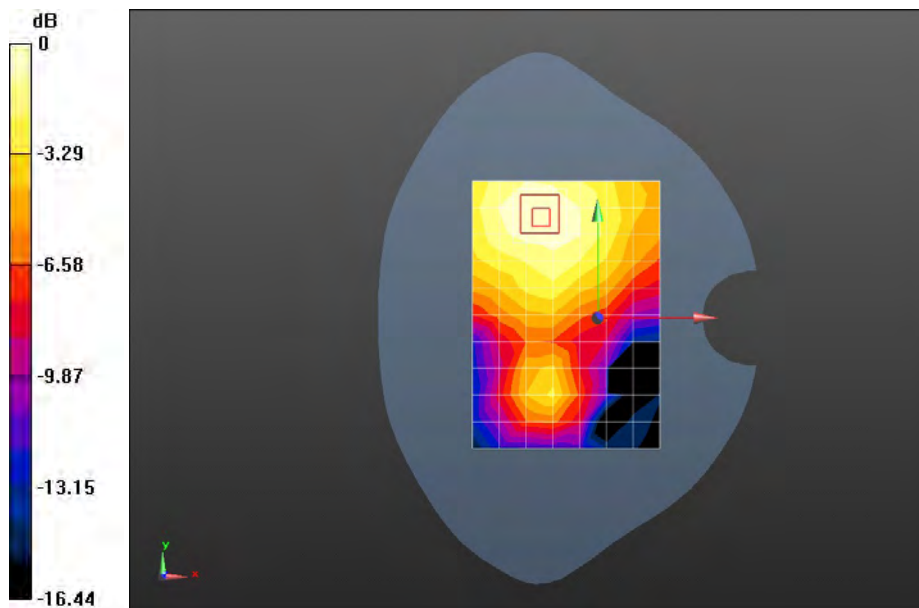
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.328 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.141 mW/g

SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.0889 mW/g



0 dB = 0.0889 mW/g = -21.02 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 50%RB#25 21350CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2560 MHz

Medium parameters used: $f = 2560$ MHz; $\sigma = 2.053$ mho/m; $\epsilon_r = 53.223$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.864 mW/g

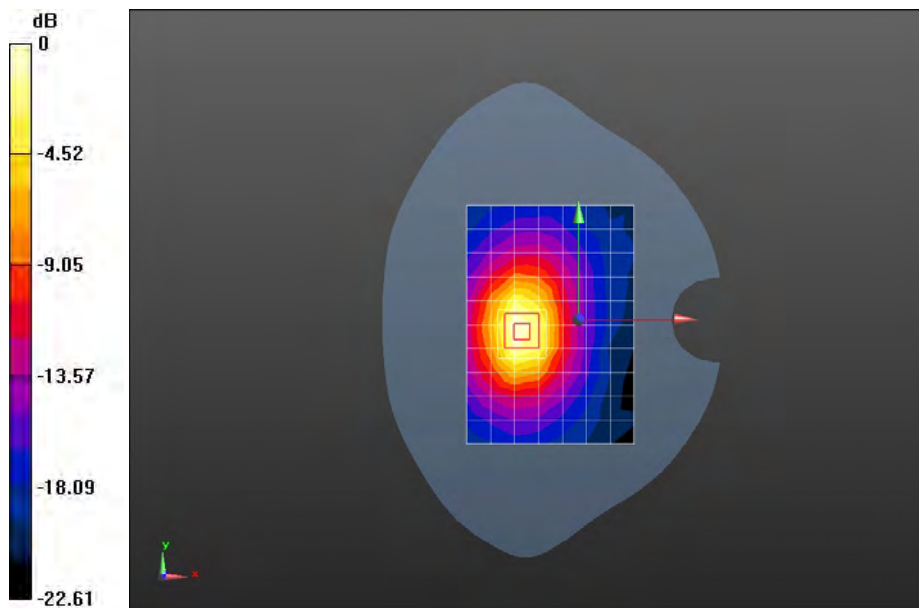
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.378 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.699 mW/g

SAR(1 g) = 0.909 mW/g; SAR(10 g) = 0.451 mW/g

Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 0.864 mW/g = -1.27 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 50%RB#25 21100CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.02 mW/g

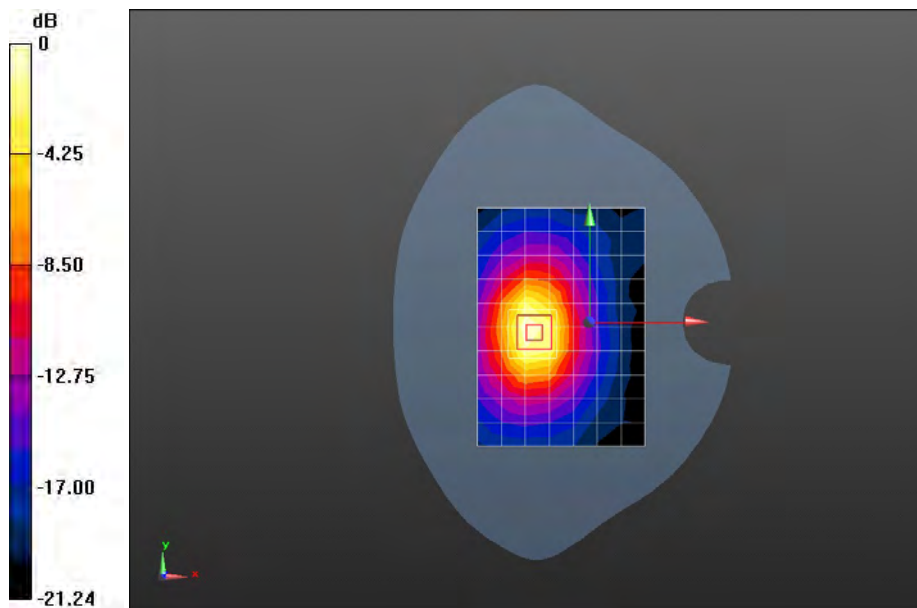
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.513 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.917 mW/g

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.522 mW/g

Maximum value of SAR (measured) = 1.16 mW/g



0 dB = 1.02 mW/g = 0.14 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 50%RB#25 20850CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2510 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.836 mW/g

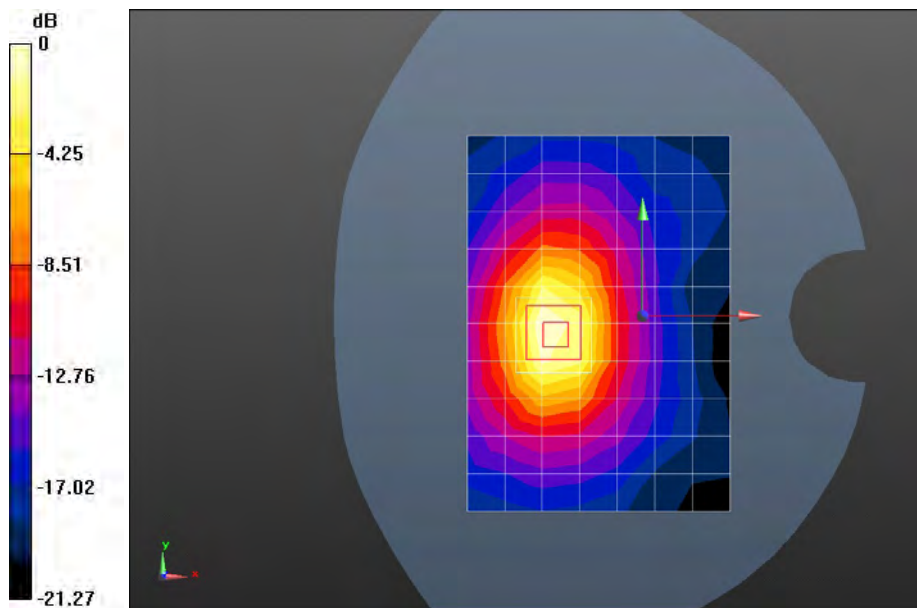
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.773 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.622 mW/g

SAR(1 g) = 0.878 mW/g; SAR(10 g) = 0.441 mW/g

Maximum value of SAR (measured) = 0.993 mW/g



0 dB = 0.836 mW/g = -1.55 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 1RB#0 21100CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.776 mW/g

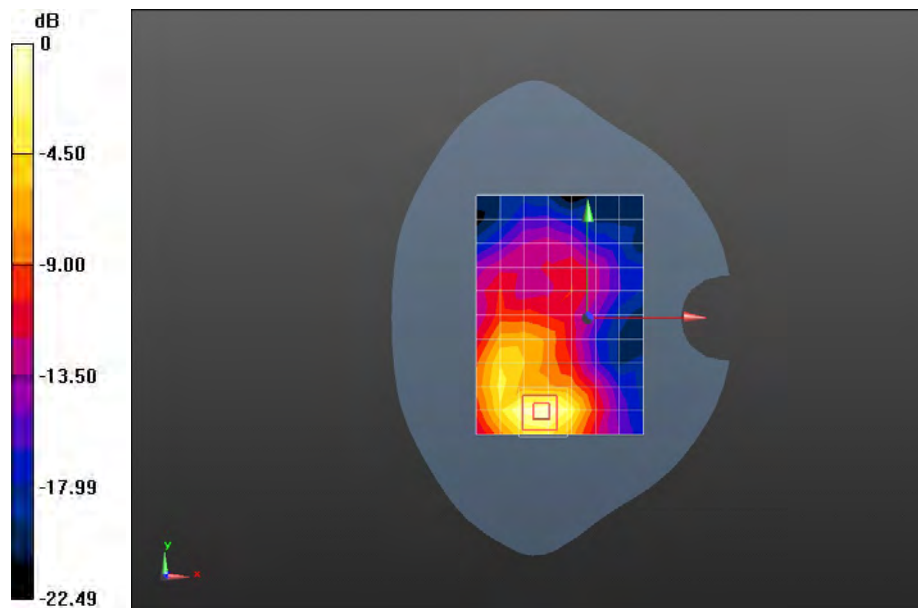
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.852 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.299 mW/g

SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.354 mW/g

Maximum value of SAR (measured) = 0.791 mW/g



0 dB = 0.776 mW/g = -2.20 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 1RB#0 21100CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.865 mW/g

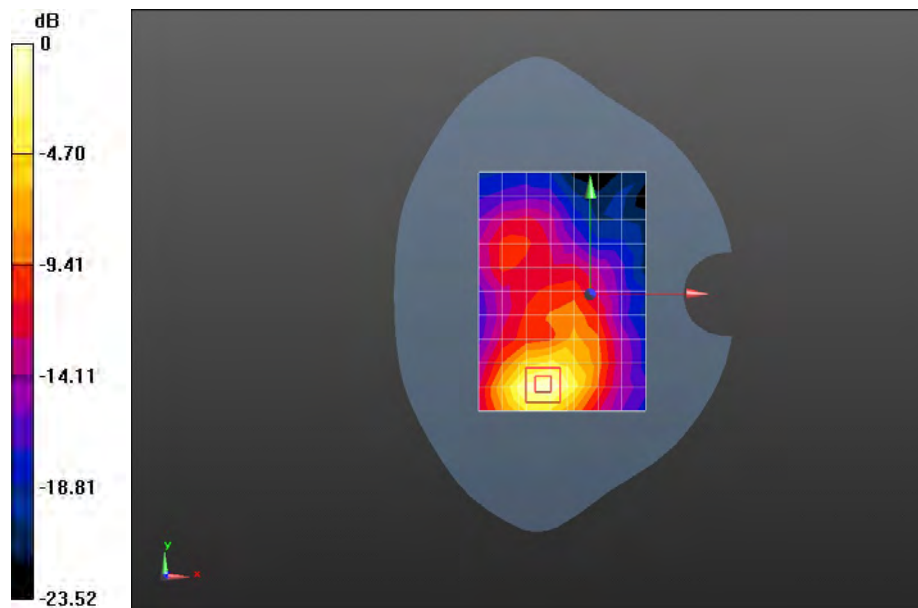
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.946 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.517 mW/g

SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.414 mW/g

Maximum value of SAR (measured) = 0.923 mW/g



0 dB = 0.865 mW/g = -1.26 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 1RB#0 21100CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.184 mW/g

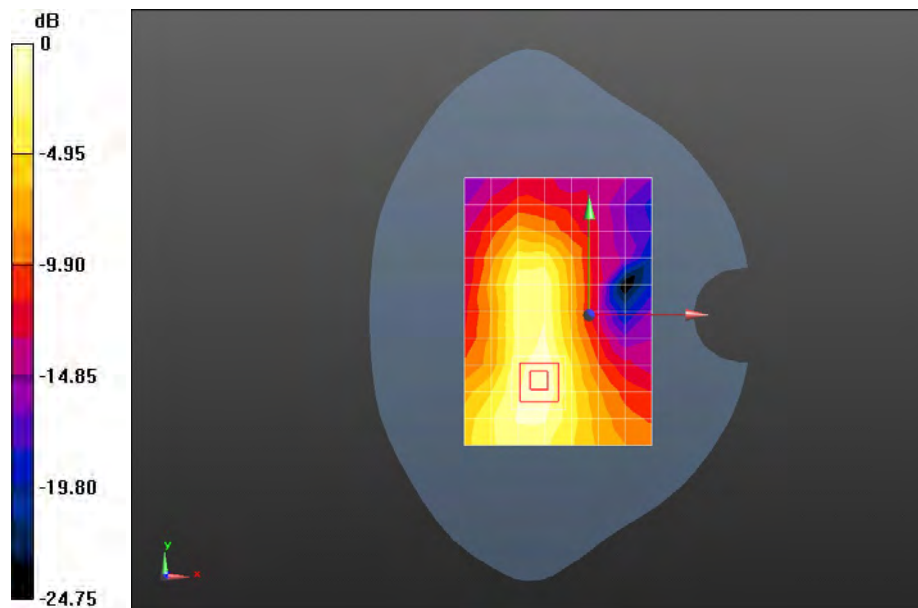
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.883 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.299 mW/g

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.190 mW/g



0 dB = 0.184 mW/g = -14.72 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 1RB#0 21100CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.110 mW/g

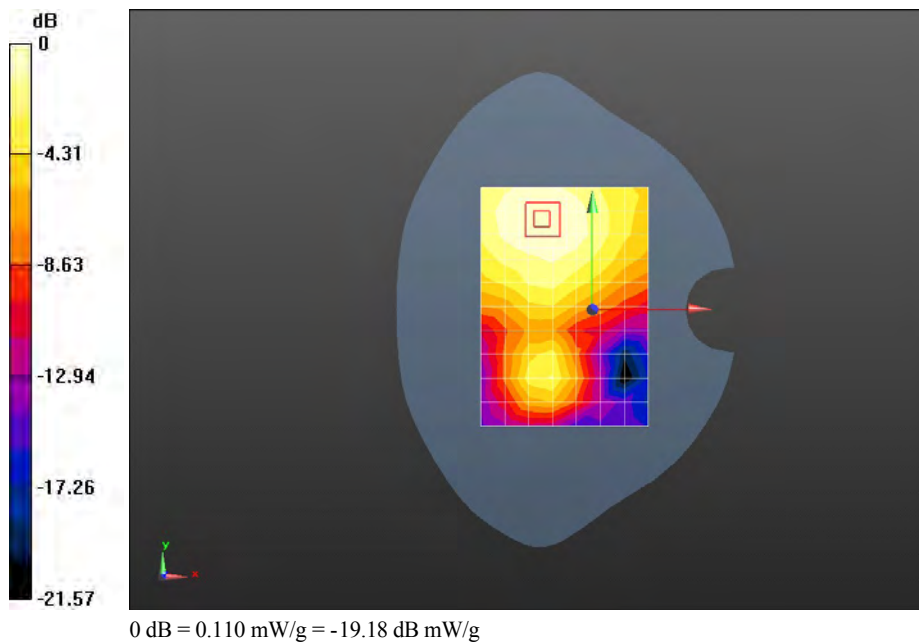
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.731 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.188 mW/g

SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.066 mW/g

Maximum value of SAR (measured) = 0.116 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 1RB#0 21100CH Bottom side 10mm**DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.05 mW/g

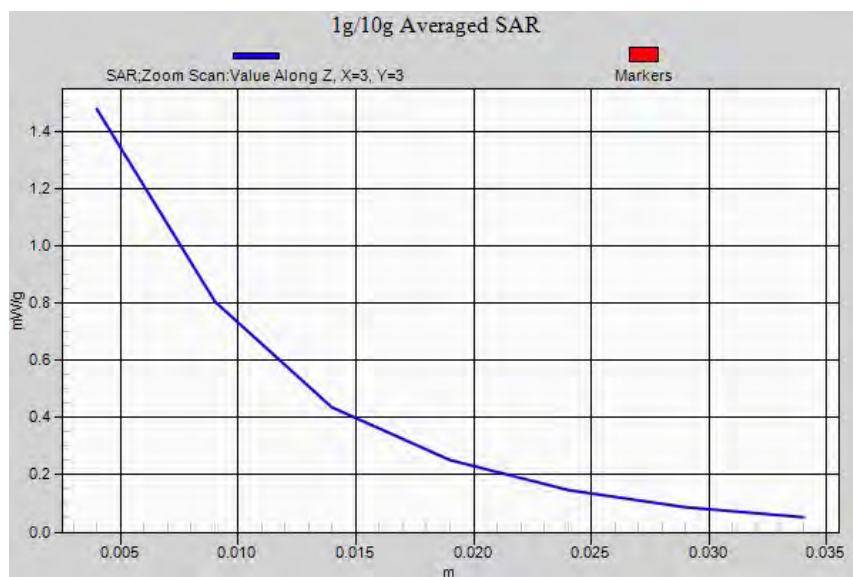
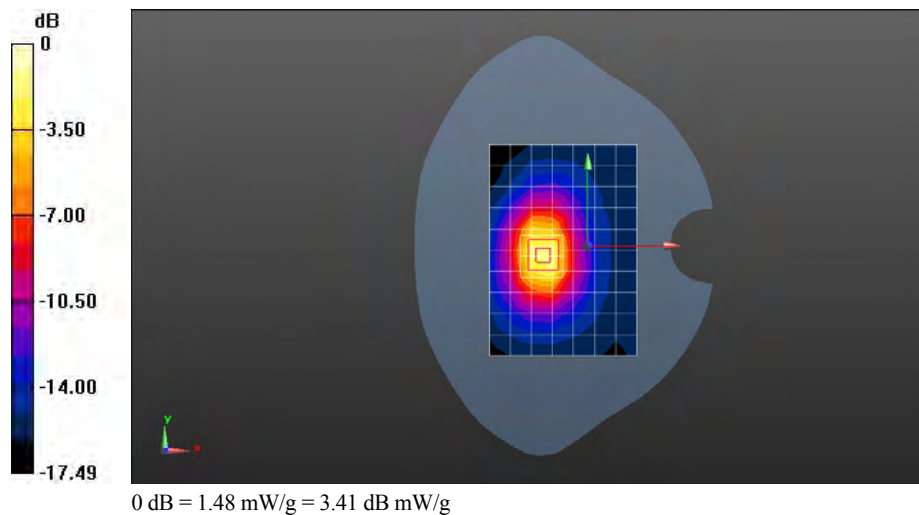
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.005 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.462 mW/g

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.642 mW/g

Maximum value of SAR (measured) = 1.48 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 1RB#99 20850CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2510 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.644 mW/g

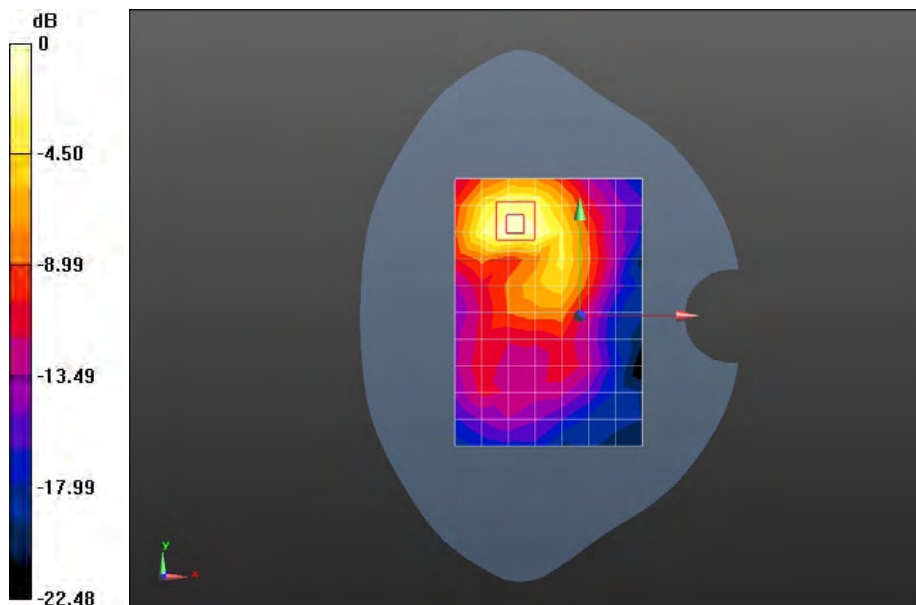
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.180 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.233 mW/g

SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.337 mW/g

Maximum value of SAR (measured) = 0.757 mW/g



0 dB = 0.644 mW/g = -3.83 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 1RB#99 20850CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2510 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.775 mW/g

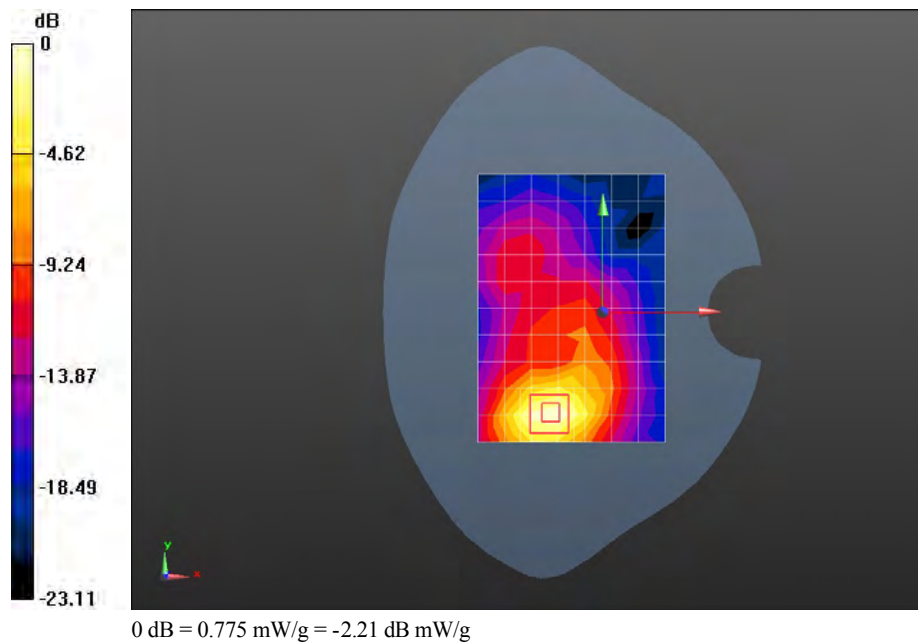
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.455 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.353 mW/g

SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.368 mW/g

Maximum value of SAR (measured) = 0.814 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 1RB#99 20850CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2510 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.192 mW/g

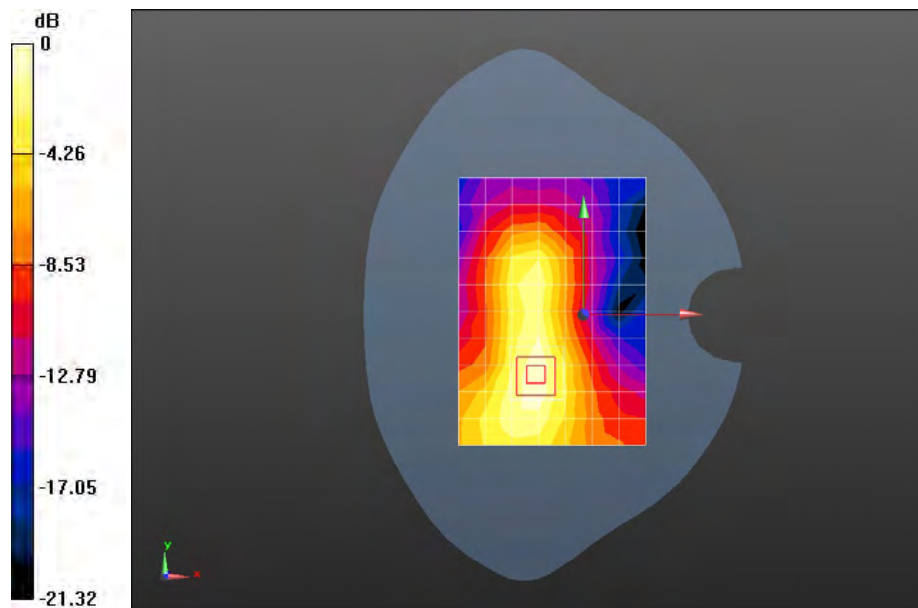
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.984 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.322 mW/g

SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.098 mW/g

Maximum value of SAR (measured) = 0.197 mW/g



0 dB = 0.192 mW/g = -14.33 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 1RB#99 20850CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2510 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0919 mW/g

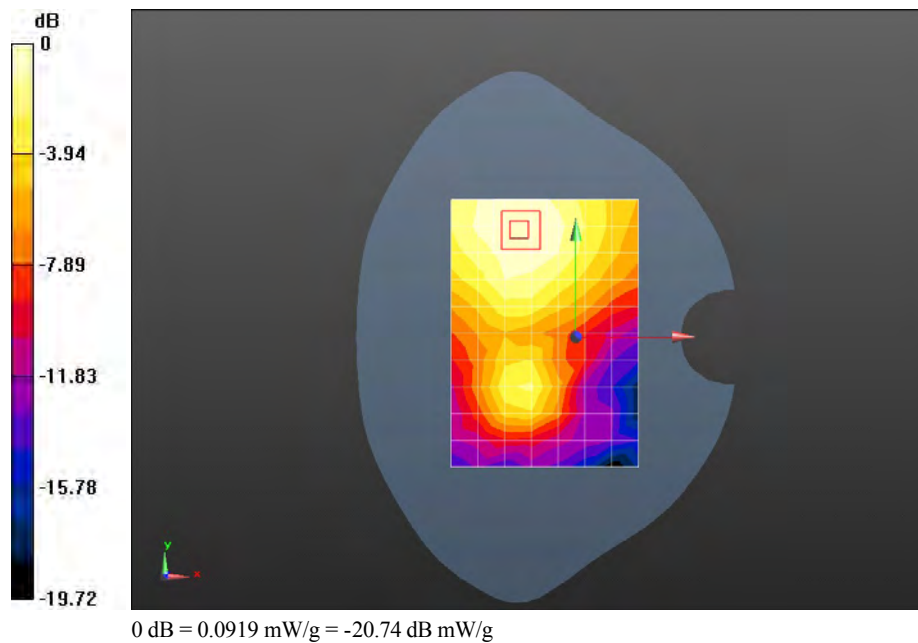
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.210 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.152 mW/g

SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.055 mW/g

Maximum value of SAR (measured) = 0.0965 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M QPSK 1RB#99 20850CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2510 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.04 mW/g

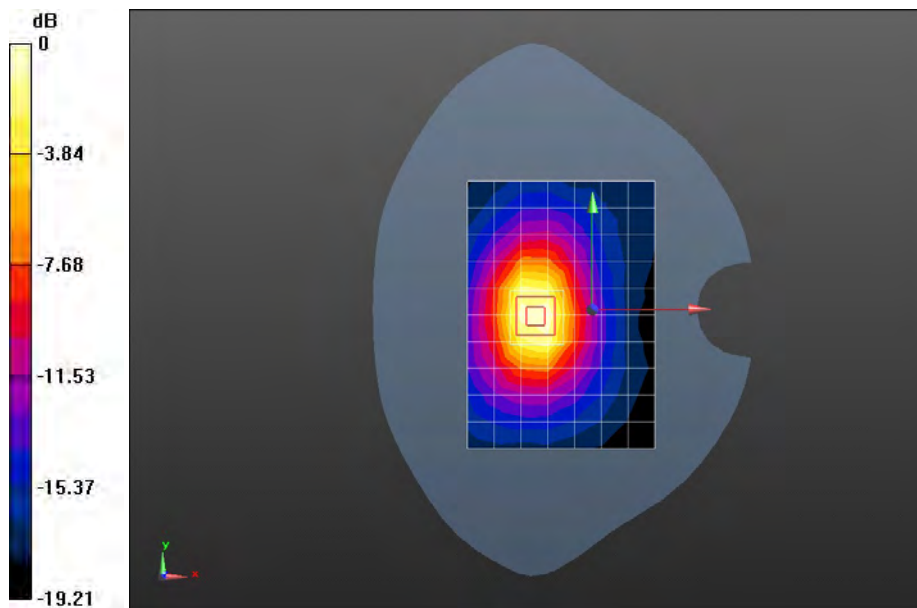
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.299 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.159 mW/g

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.596 mW/g

Maximum value of SAR (measured) = 1.36 mW/g



0 dB = 1.04 mW/g = 0.32 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 50%RB#25 21100CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.597 mW/g

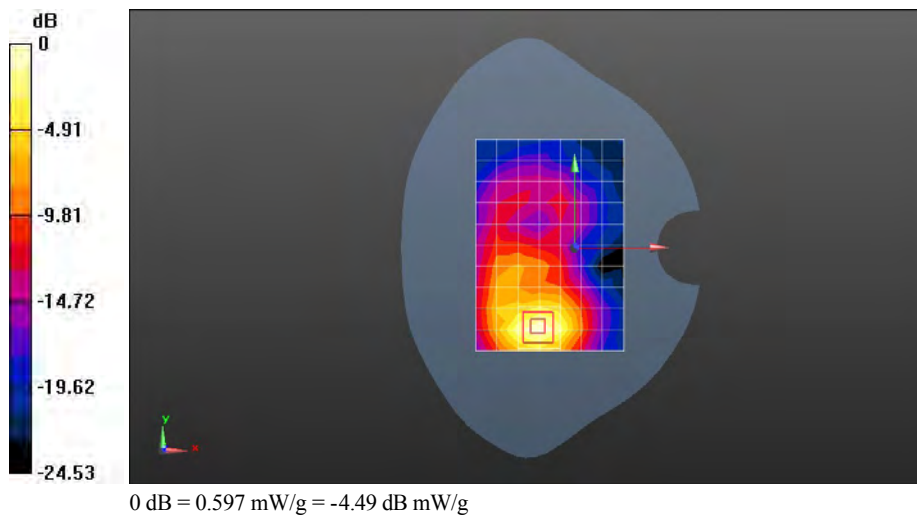
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.413 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.984 mW/g

SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.269 mW/g

Maximum value of SAR (measured) = 0.604 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 50%RB#25 21100CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.579 mW/g

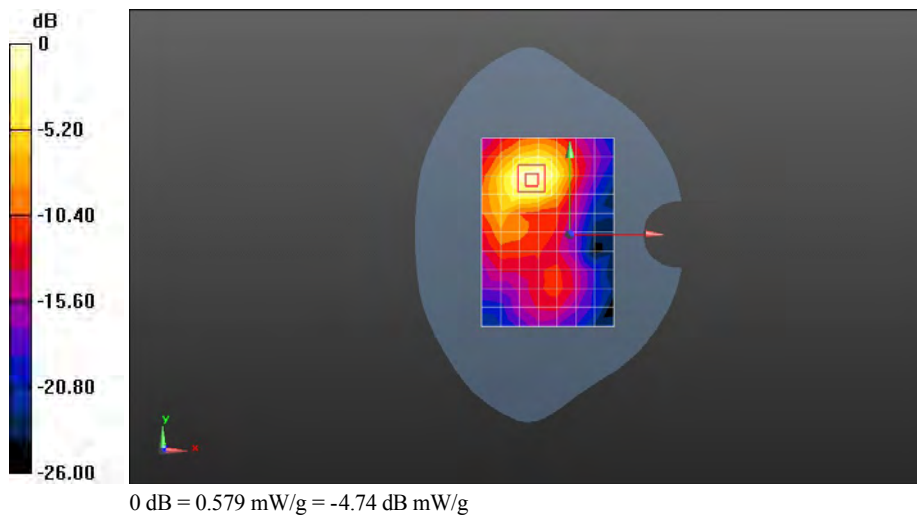
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.498 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.077 mW/g

SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.288 mW/g

Maximum value of SAR (measured) = 0.650 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 50%RB#25 21100CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA,, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0450 mW/g

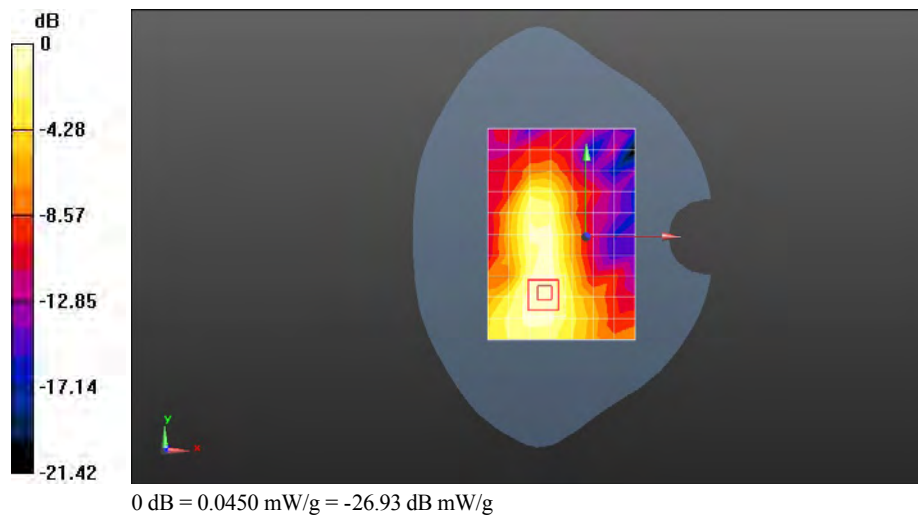
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.160 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.081 mW/g

SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.0498 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 50%RB#25 21100CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0686 mW/g

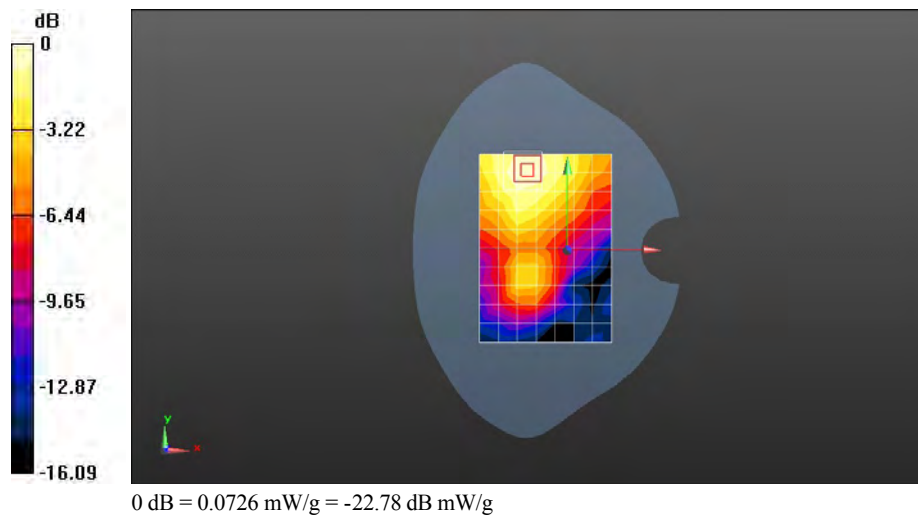
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.597 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.117 mW/g

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.0726 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 50%RB#25 21100CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.697 mW/g

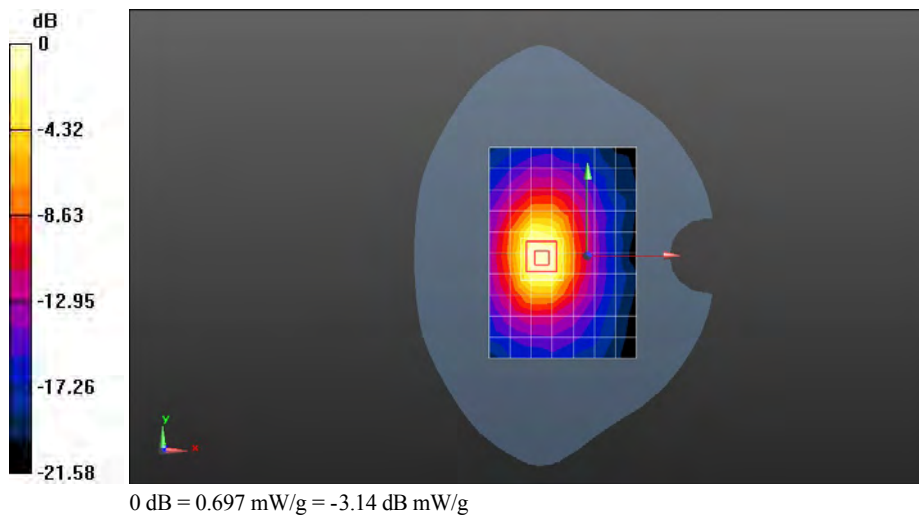
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.576 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.564 mW/g

SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.415 mW/g

Maximum value of SAR (measured) = 0.950 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 1RB#0 21100CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.784 mW/g

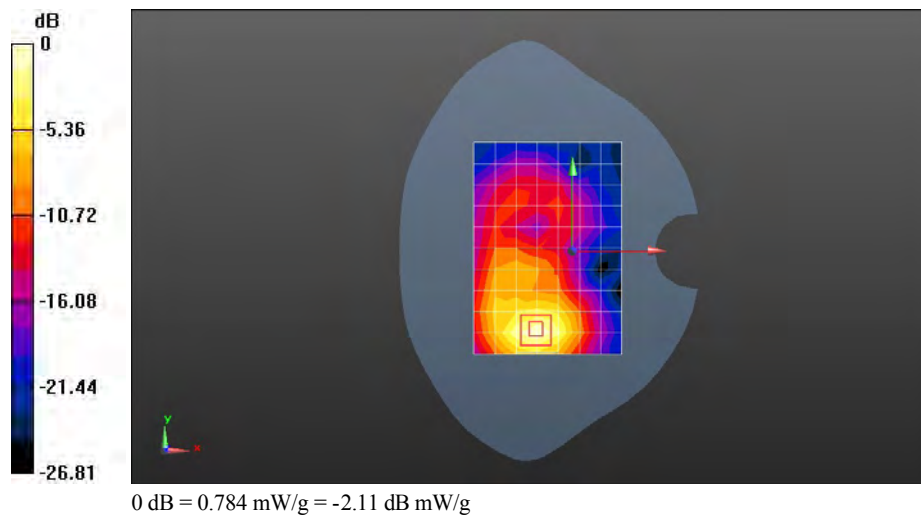
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.052 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.213 mW/g

SAR(1 g) = 0.675 mW/g; SAR(10 g) = 0.341 mW/g

Maximum value of SAR (measured) = 0.751 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 1RB#0 21100CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.745 mW/g

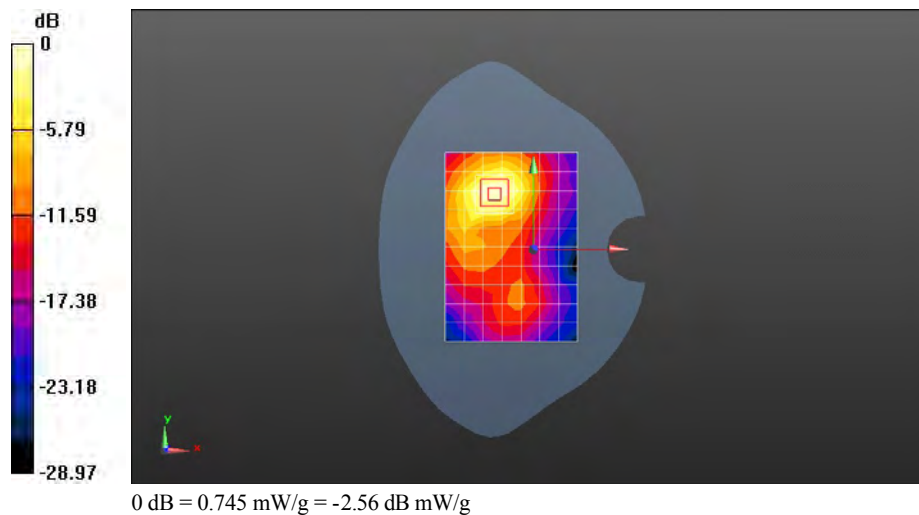
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.060 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.395 mW/g

SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.383 mW/g

Maximum value of SAR (measured) = 0.859 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 1RB#0 21100CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0527 mW/g

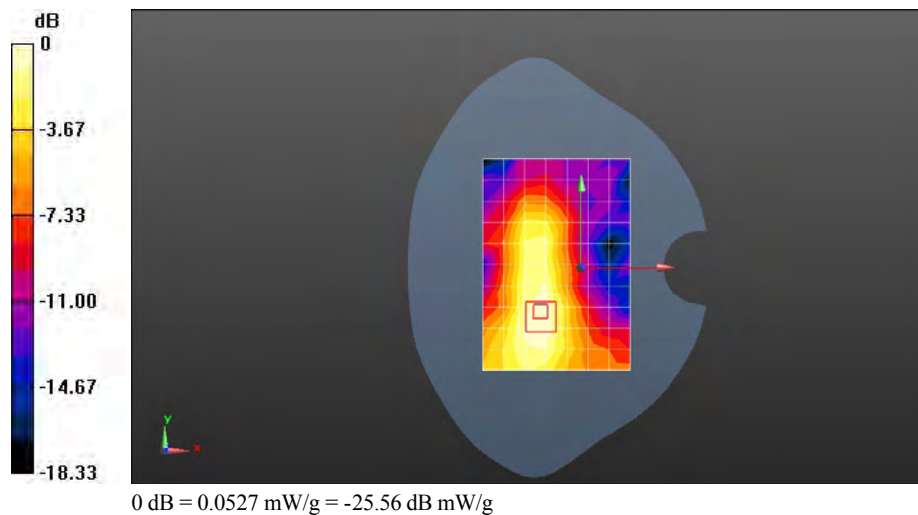
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.351 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.087 mW/g

SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.0492 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 1RB#0 21100CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0945 mW/g

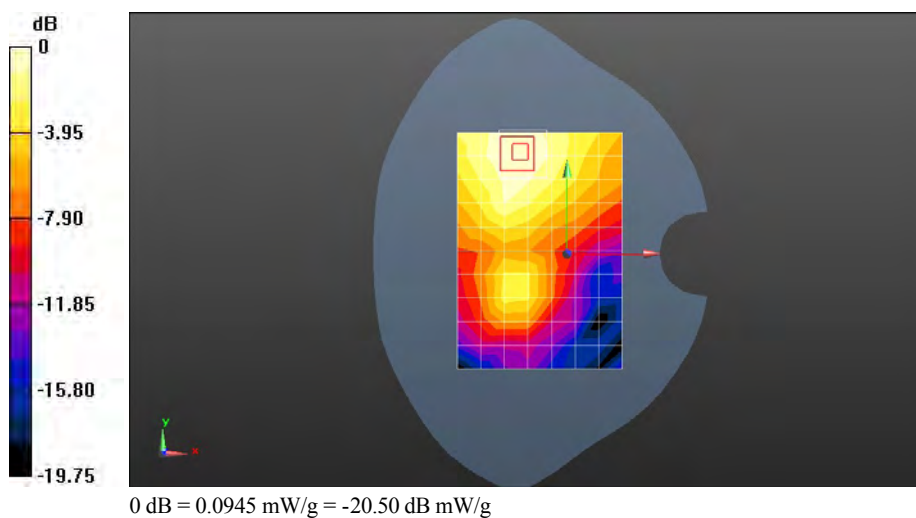
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.156 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.162 mW/g

SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.054 mW/g

Maximum value of SAR (measured) = 0.0980 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 1RB#0 21100CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2535 MHz

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.013$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.971 mW/g

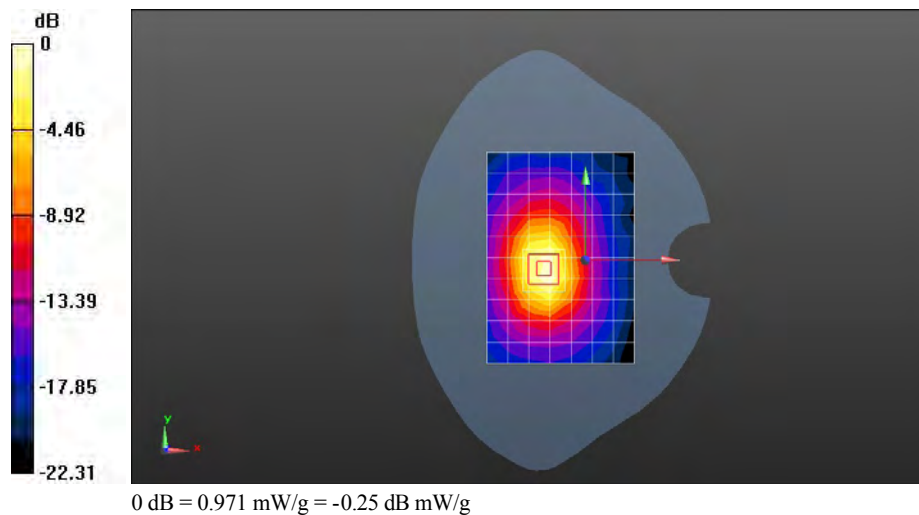
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.414 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.827 mW/g

SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.499 mW/g

Maximum value of SAR (measured) = 1.13 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 1RB#99 20850CH Front side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2510 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.678 mW/g

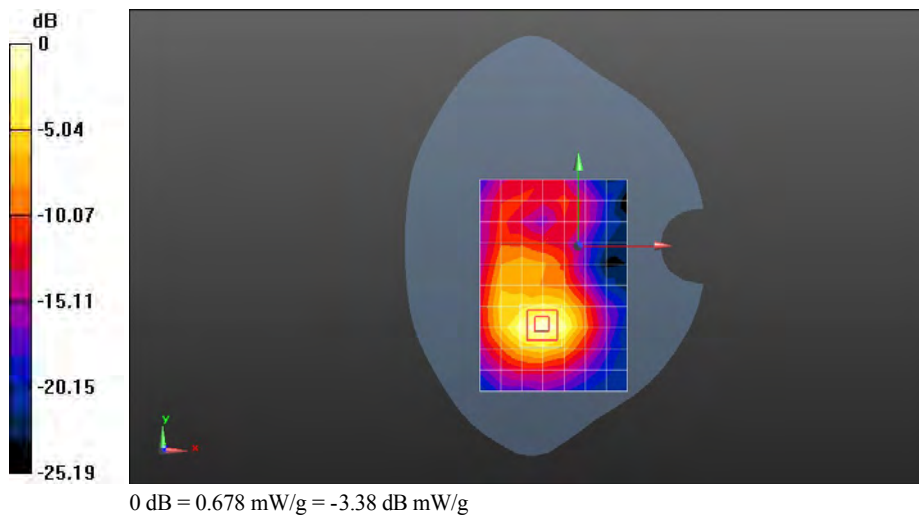
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.839 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.141 mW/g

SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.319 mW/g

Maximum value of SAR (measured) = 0.713 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 1RB#99 20850CH Rear side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2510 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.689 mW/g

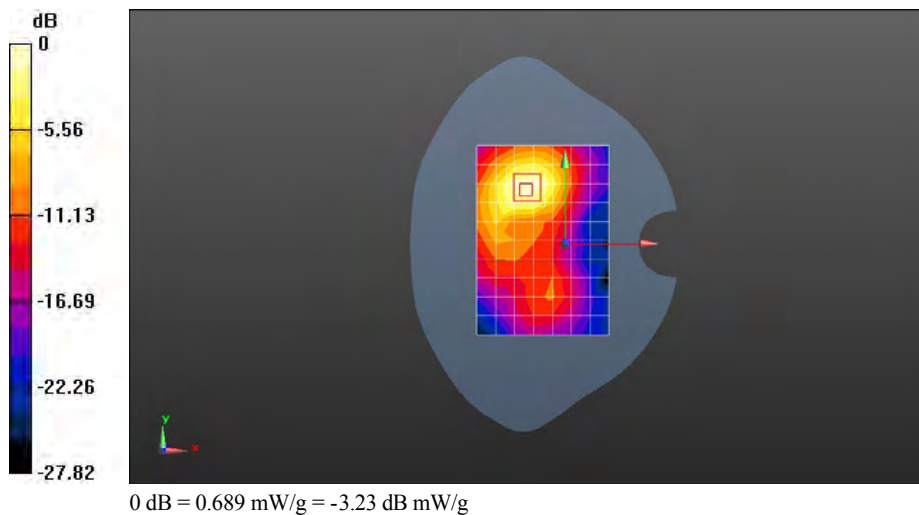
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.964 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.347 mW/g

SAR(1 g) = 0.719 mW/g; SAR(10 g) = 0.359 mW/g

Maximum value of SAR (measured) = 0.805 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 1RB#99 20850CH Left side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2510 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.143 mW/g

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

Reference Value = 4.556 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.249 mW/g

SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 0.154 mW/g

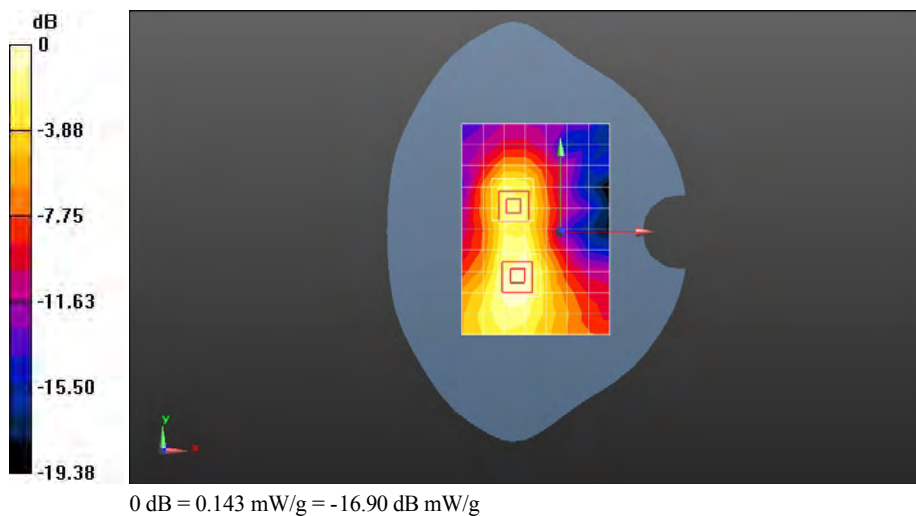
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.556 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.174 mW/g

SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.055 mW/g

Maximum value of SAR (measured) = 0.109 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 1RB#99 20850CH Right side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2510 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0861 mW/g

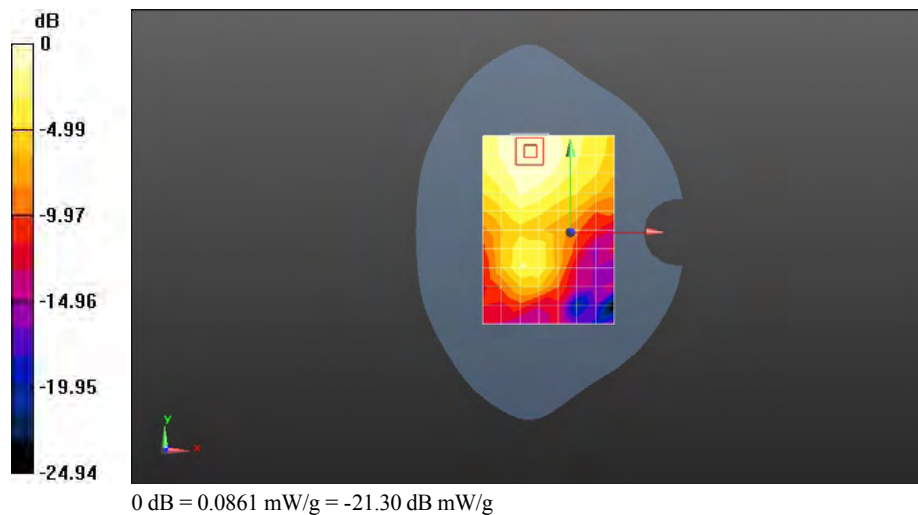
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.844 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.146 mW/g

SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.0913 mW/g



Test Laboratory: HUAWEI SAR Lab

E589u-512 LTE Band VII 20M 16QAM 1RB#99 20850CH Bottom side 10mm

DUT: E589u-512; Type: Mobile WiFi; Serial: SAR1

Communication System: LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK/16QAM); Frequency: 2510 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r = 53.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.69, 6.69, 6.69); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.803 mW/g

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

Reference Value = 13.581 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.731 mW/g

SAR(1 g) = 0.941 mW/g; SAR(10 g) = 0.471 mW/g

Maximum value of SAR (measured) = 1.06 mW/g

