

ANNEX A: Test Layout and Setup



Top Edge(0mm)



Rear Face(0mm)



Left Side(0mm)



Right Side(0mm)



Top Edge (14mm)



Rear Face (14mm)



Right Side (14mm)

ANNEX B: System Check Results

Date: 12/10/2023

System Check_H750

Communication System: UID 0, _CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: 750 body Medium parameters used: $f = 750$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 42.37$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(10.18, 10.18, 10.18) @ 750 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (7x19x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.36 W/kg

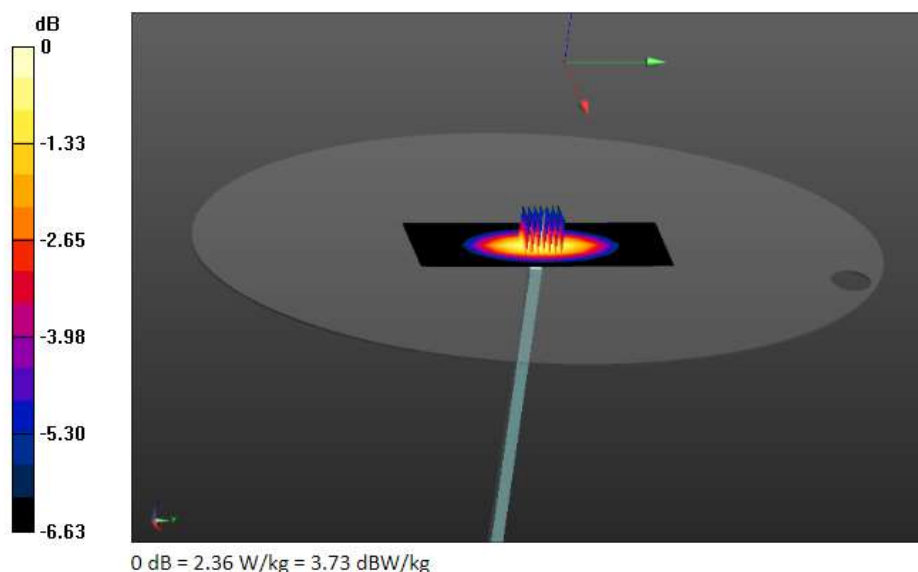
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.93 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.53 W/kg

Maximum value of SAR (measured) = 2.36 W/kg



Date: 12/11/2023

System Check_H835

Communication System: UID 0, _CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 body Medium parameters used: $f = 835$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 42.221$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.81, 9.81, 9.81) @ 835 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.97 W/kg

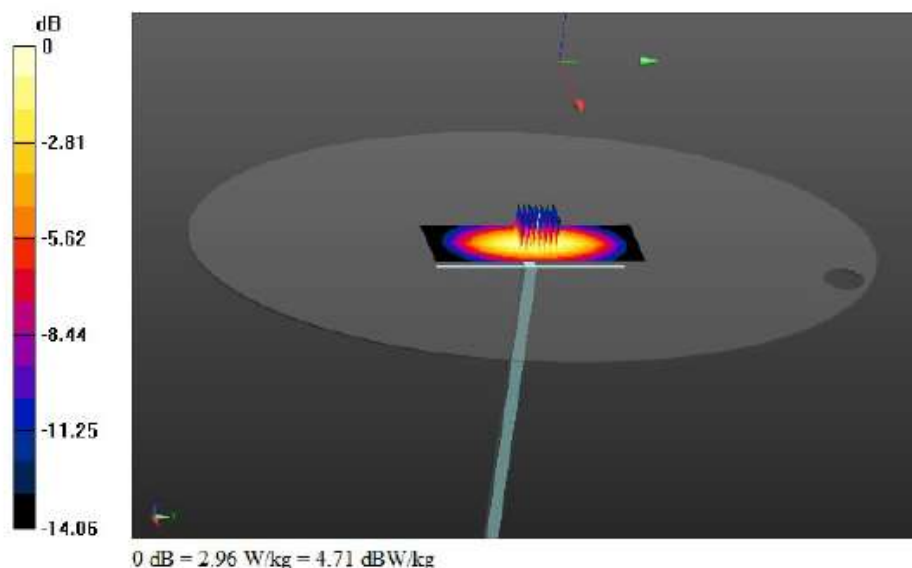
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.09 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.10 W/kg

SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.45 W/kg

Maximum value of SAR (measured) = 2.96 W/kg



Date: 12/12/2023

System Check_H900

Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 body Medium parameters used: $f = 900$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 41.303$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.81, 9.81, 9.81) @ 900 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.24 W/kg

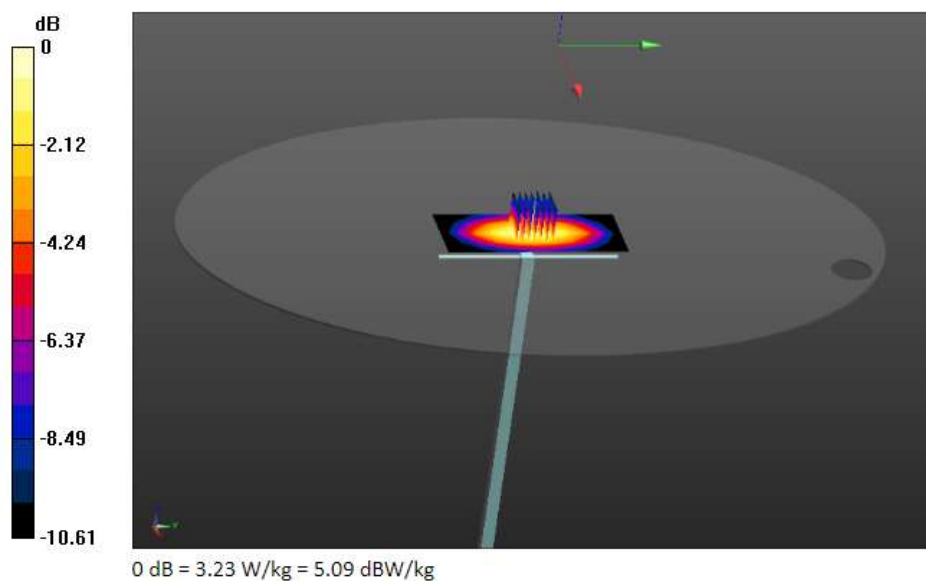
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.61 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 4.12 W/kg

SAR(1 g) = 2.75 W/kg; SAR(10 g) = 1.79 W/kg

Maximum value of SAR (measured) = 3.23 W/kg



Date: 12/13/2023

System Check_H1750

Communication System: UID 0, _CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: 1750 body Medium parameters used: $f = 1750$ MHz; $\sigma = 1.404$ S/m; $\epsilon_r = 40.569$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8.36, 8.36, 8.36) @ 1750 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 11.9 W/kg

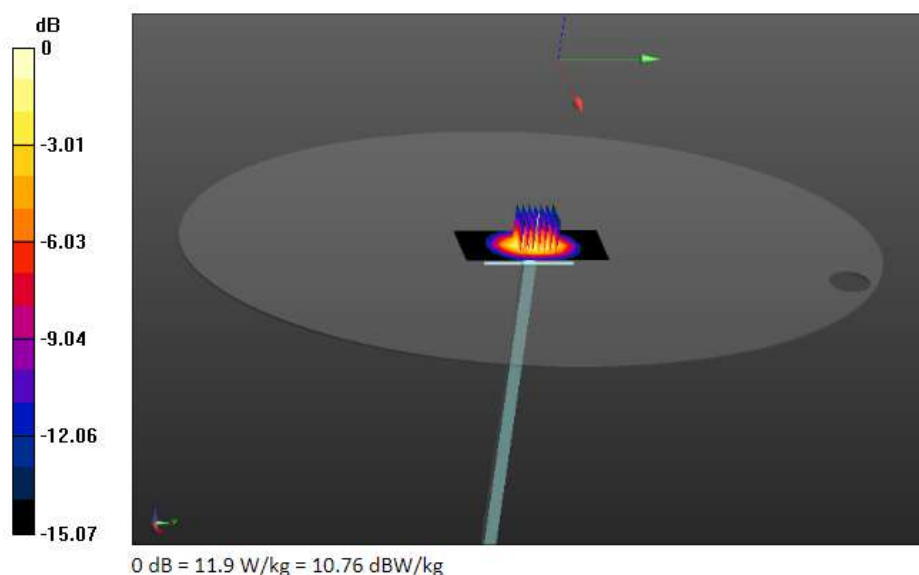
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.45 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 9.54 W/kg; SAR(10 g) = 5.24 W/kg

Maximum value of SAR (measured) = 11.9 W/kg



Date: 12/14/2023

System Check_H1900

Communication System: UID 0, _CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1950 body Medium parameters used: $f = 1900$ MHz; $\sigma = 1.382$ S/m; $\epsilon_r = 40.383$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8.05, 8.05, 8.05) @ 1900 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 12.0 W/kg

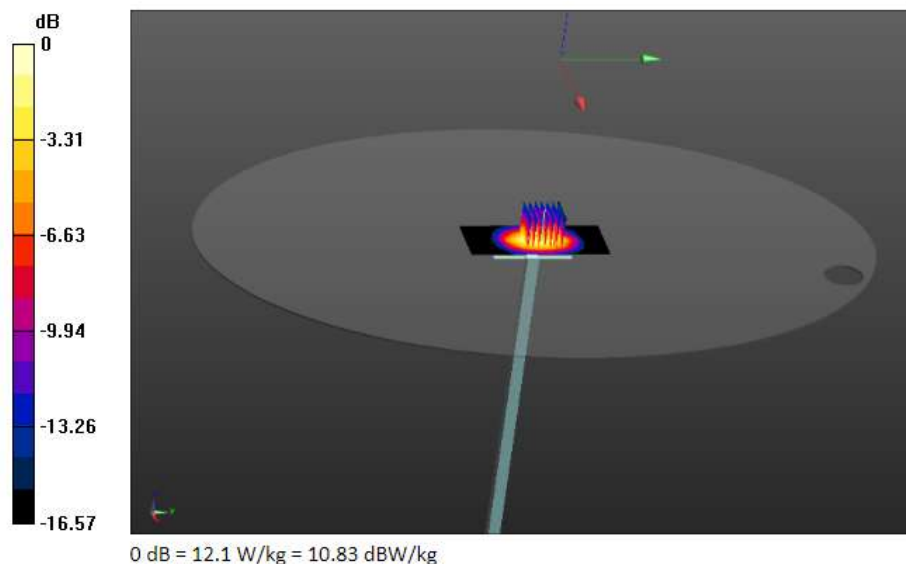
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.68 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 9.63 W/kg; SAR(10 g) = 5.15 W/kg

Maximum value of SAR (measured) = 12.1 W/kg



Date: 12/15/2023

System Check_H2450

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 body Medium parameters used: $f = 2450$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 38.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.5, 7.5, 7.5) @ 2450 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (7x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 17.3 W/kg

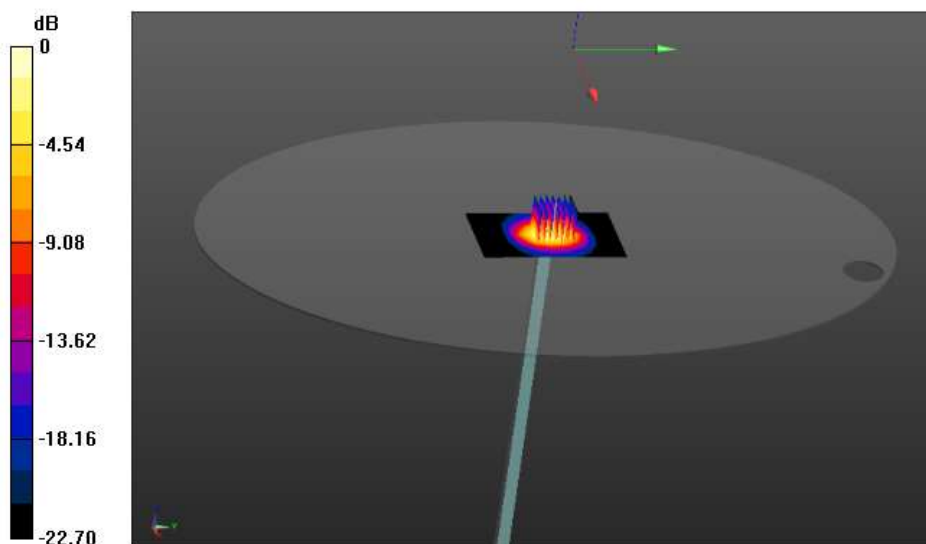
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.00 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 28.2 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.11 W/kg

Maximum value of SAR (measured) = 17.5 W/kg



0 dB = 17.5 W/kg = 12.43 dBW/kg

Date: 12/16/2023

System Check_H2600

Communication System: UID 0, _CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: 2600 body Medium parameters used: $f = 2600$ MHz; $\sigma = 2.056$ S/m; $\epsilon_r = 37.623$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.3, 7.3, 7.3) @ 2600 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (7x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 19.7 W/kg

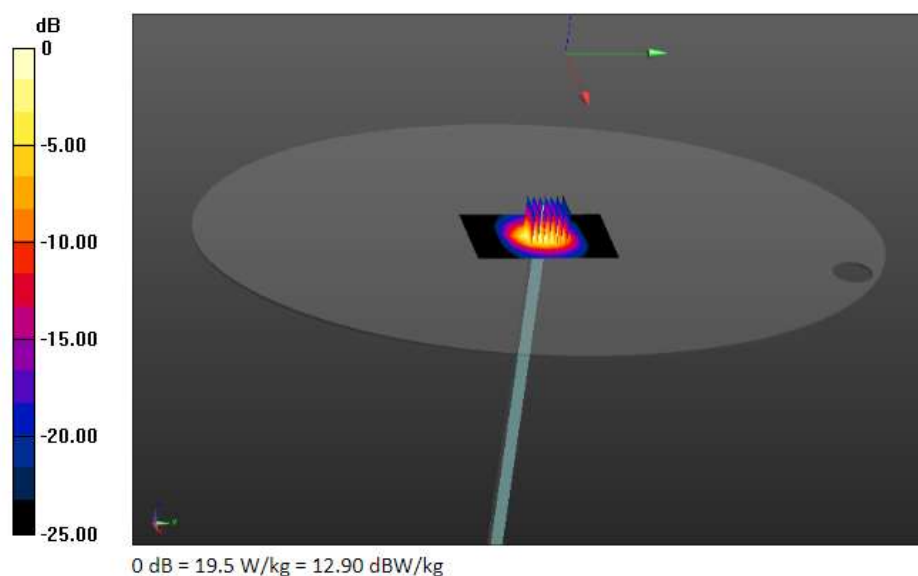
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.09 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 14.6 W/kg; SAR(10 g) = 6.44 W/kg

Maximum value of SAR (measured) = 19.5 W/kg



Date: 12/17/2023

System Check_H5200

Communication System: UID 0, _CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5G body Medium parameters used: $f = 5200$ MHz; $\sigma = 4.564$ S/m; $\epsilon_r = 34.807$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.38, 5.38, 5.38) @ 5200 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 11.8 W/kg

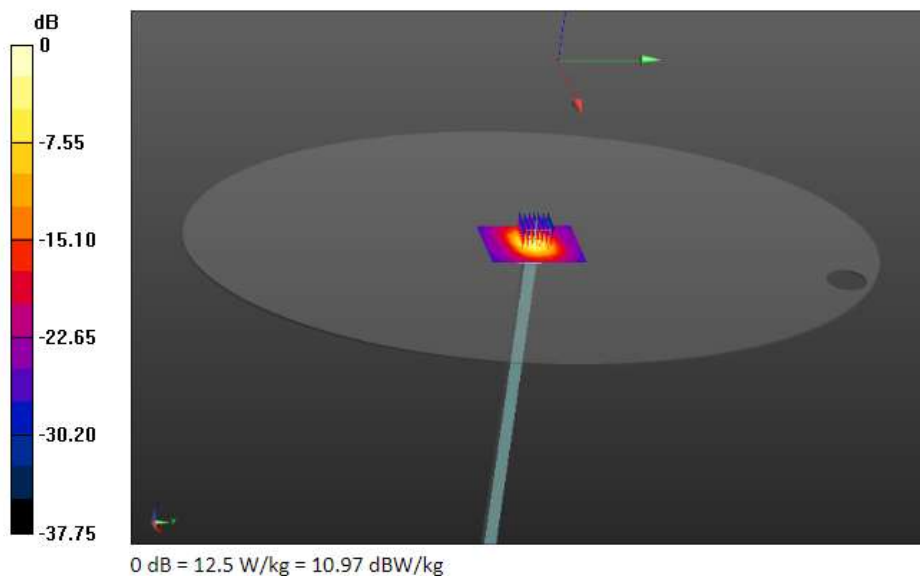
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 51.71 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 32.4 W/kg

SAR(1 g) = 8.01 W/kg; SAR(10 g) = 2.24 W/kg

Maximum value of SAR (measured) = 12.5 W/kg



Date: 12/18/2023

System Check_H5300

Communication System: UID 0, _CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: 5G body Medium parameters used: $f = 5300$ MHz; $\sigma = 4.649$ S/m; $\epsilon_r = 34.738$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.38, 5.38, 5.38) @ 5300 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 11.0 W/kg

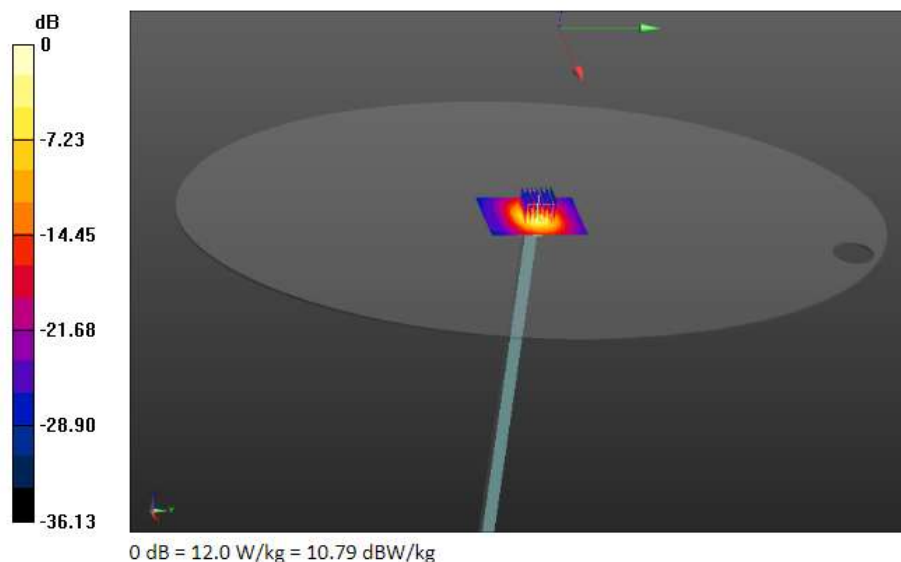
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 49.88 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 32.7 W/kg

SAR(1 g) = 7.9 W/kg; SAR(10 g) = 2.3 W/kg

Maximum value of SAR (measured) = 12.0 W/kg



Date: 12/19/2023

System Check_H5600

Communication System: UID 0, _CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: 5G body Medium parameters used: $f = 5600$ MHz; $\sigma = 4.92$ S/m; $\epsilon_r = 34.278$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.81, 4.81, 4.81) @ 5600 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 11.6 W/kg

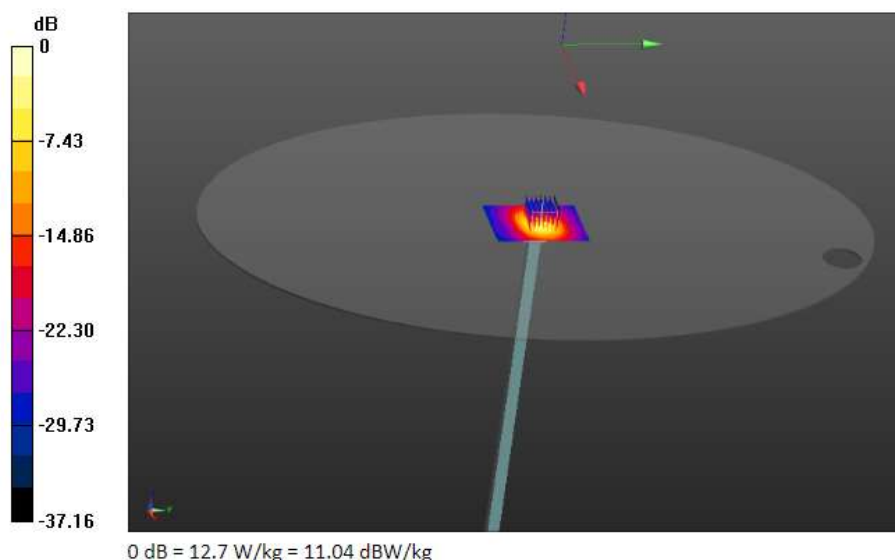
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 49.46 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 35.4 W/kg

SAR(1 g) = 8.29 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 12.7 W/kg



Date: 12/20/2023

System Check_H5800

Communication System: UID 0, _CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5G body Medium parameters used: $f = 5800$ MHz; $\sigma = 5.124$ S/m; $\epsilon_r = 33.938$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.9, 4.9, 4.9) @ 5800 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 10.7 W/kg

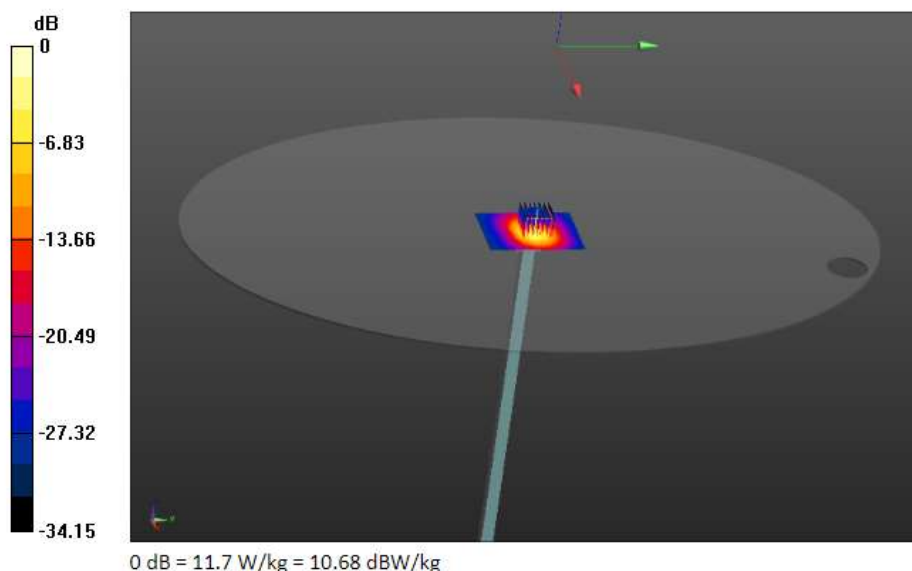
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 46.87 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 33.8 W/kg

SAR(1 g) = 7.76 W/kg; SAR(10 g) = 2.24 W/kg

Maximum value of SAR (measured) = 11.7 W/kg



ANNEX C: Maximum Graph Results

Date: 12/11/2023

GSM850_left Side_CH 128

Communication System: UID 0, Generic GSM (0); Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Medium: 835 body Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 42.385$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.81, 9.81, 9.81) @ 824.2 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.603W/kg

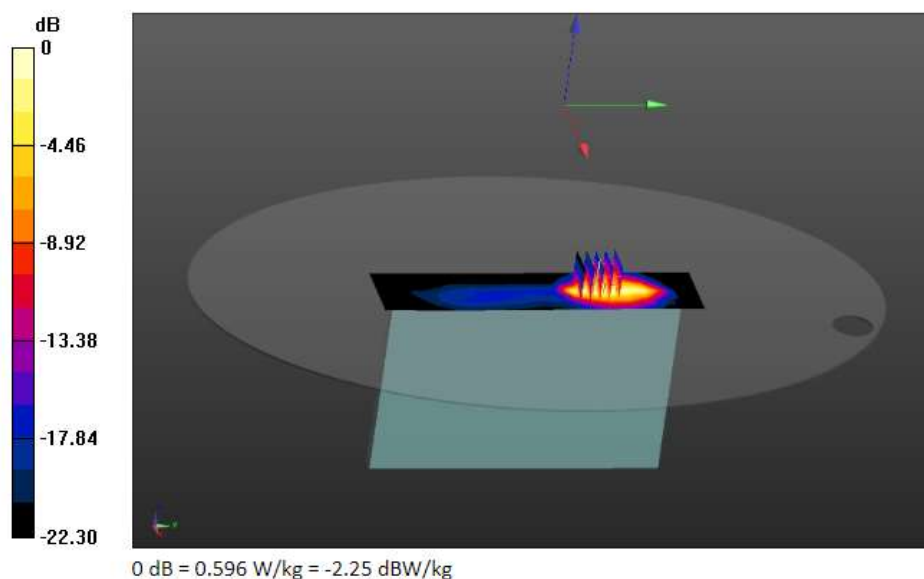
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.474 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.940 W/kg

SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.098 W/kg

Maximum value of SAR (measured) = 0.596 W/kg



Date: 12/14/2023

GSM850_left Side_CH 810

Communication System: UID 0, Generic GSM (0); Frequency: 1909.8 MHz; Duty Cycle: 1:1

Medium: 1950 body Medium parameters used: $f = 1910$ MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 40.338$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8.05, 8.05, 8.05) @ 1909.8 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.913 W/kg

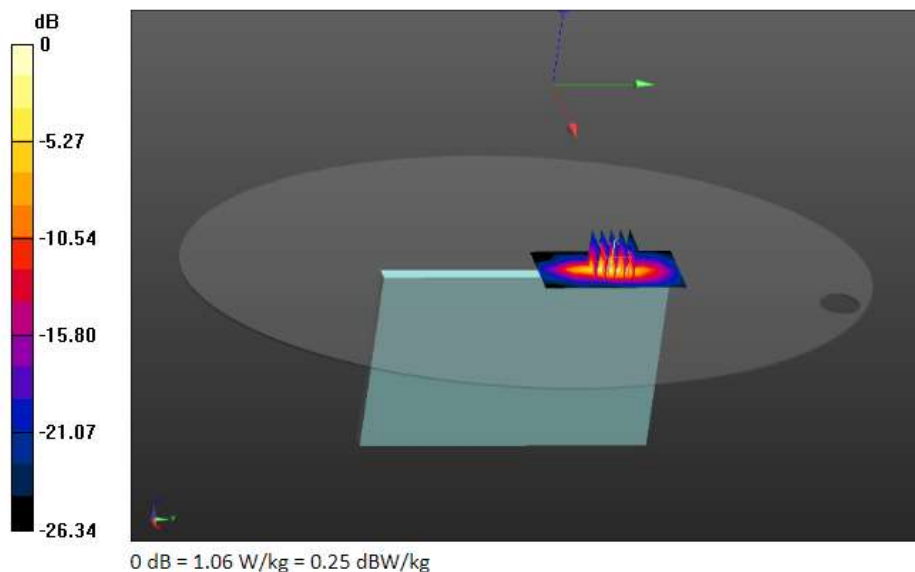
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.383 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.56 W/kg; SAR(10 g) = 0.213 W/kg

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



WCDMA II_left Side_CH 9262

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: 1950 body Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.334$ S/m; $\epsilon_r = 40.599$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8.05, 8.05, 8.05) @ 1852.4 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

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

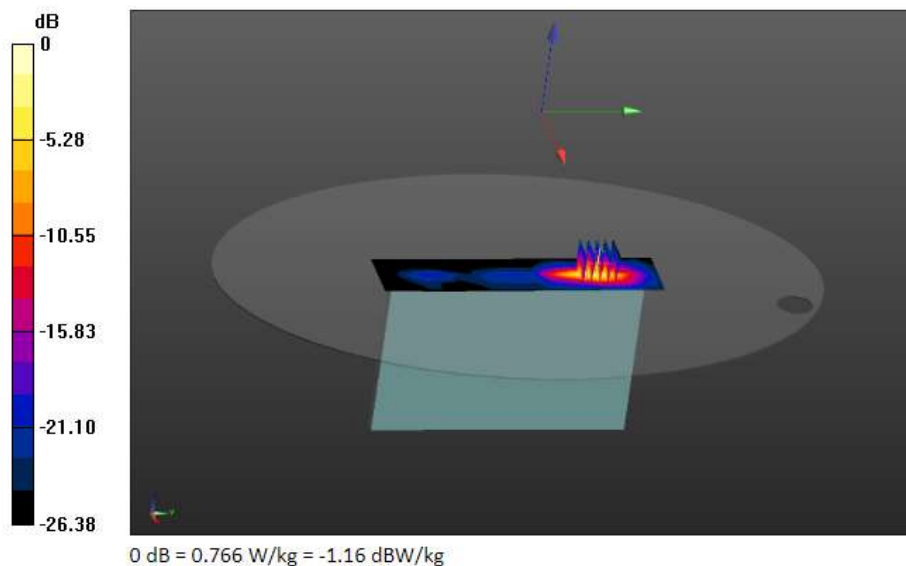
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.017 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.468 W/kg; SAR(10 g) = 0.184 W/kg

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



Date: 12/13/2023

WCDMA IV_left Side_CH 1513

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

Medium: 1750 body Medium parameters used: $f = 1753$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 40.551$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8.36, 8.36, 8.36) @ 1752.6 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.778 W/kg

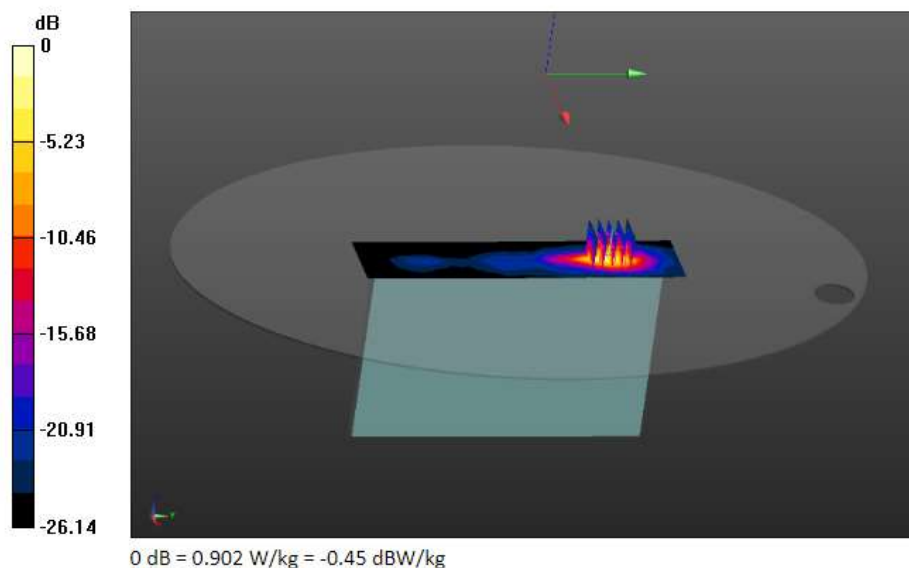
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.141 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.558 W/kg; SAR(10 g) = 0.218 W/kg

Maximum value of SAR (measured) = 0.902 W/kg



Date: 12/11/2023

WCDMA V_ left Side _CH 4233

Communication System: UID 0, WCDMA 850 (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: 835 body Medium parameters used: $f = 847$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 42.042$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.81, 9.81, 9.81) @ 846.6 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

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

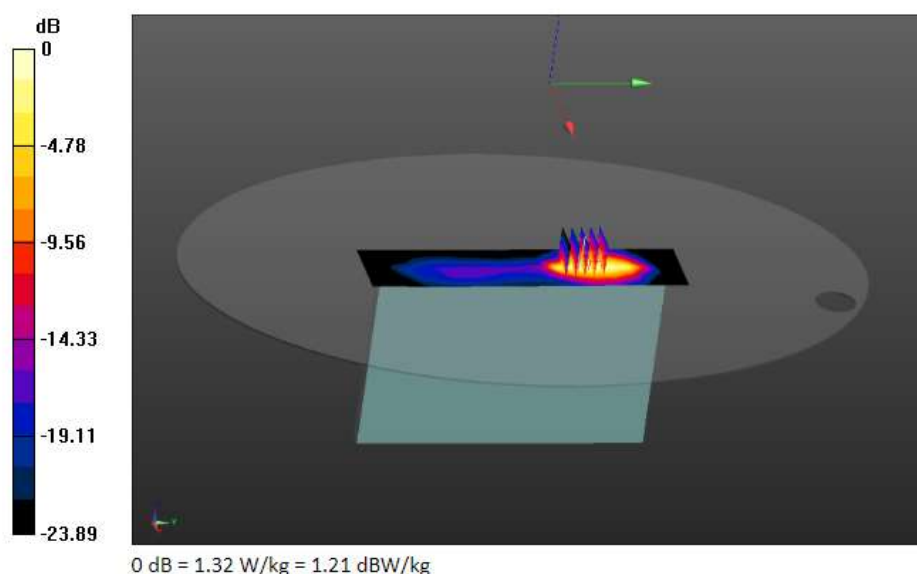
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.697 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 0.520W/kg; SAR(10 g) = 0.218 W/kg

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



Date: 12/14/2023

LTE 2_ left side _CH 19100

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

Medium: 1950 body Medium parameters used: $f = 1900$ MHz; $\sigma = 1.382$ S/m; $\epsilon_r = 40.383$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8.05, 8.05, 8.05) @ 1900 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.649 W/kg

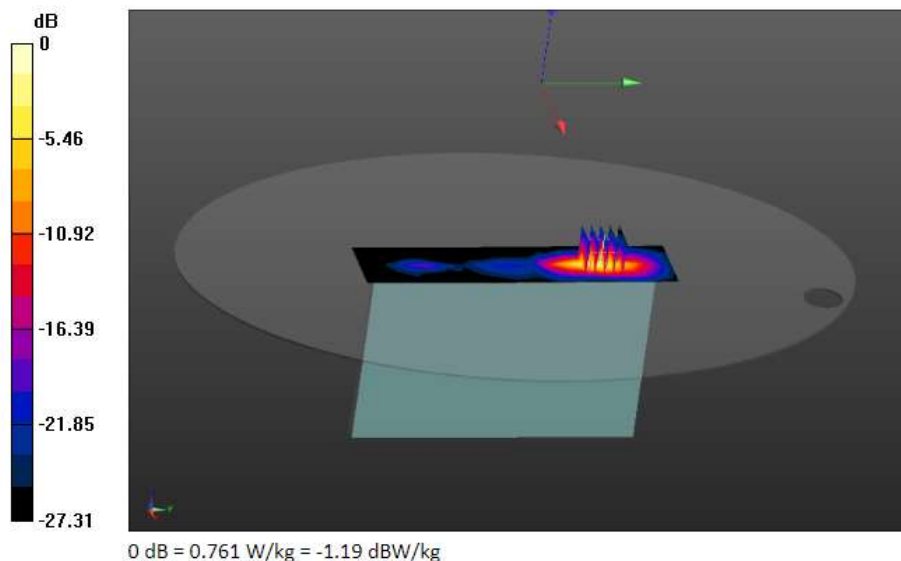
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.880 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.761 W/kg



Date: 12/13/2023

LTE 4_ left side _CH 20300

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

Medium: 1750 body Medium parameters used: $f = 1745$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 40.599$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8.36, 8.36, 8.36) @ 1745 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.930 W/kg

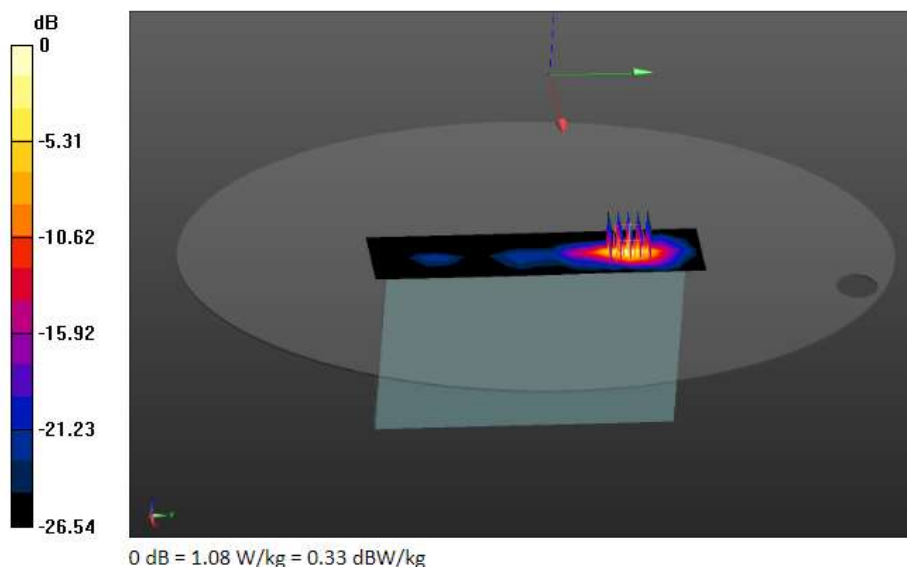
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.233 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (measured) = 1.08 W/kg



Date: 12/11/2023

LTE 5_ left side _CH 20450

Communication System: UID 0, Generic LTE FDD (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium: 835 body Medium parameters used: $f = 829$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 42.312$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.81, 9.81, 9.81) @ 829 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.421 W/kg

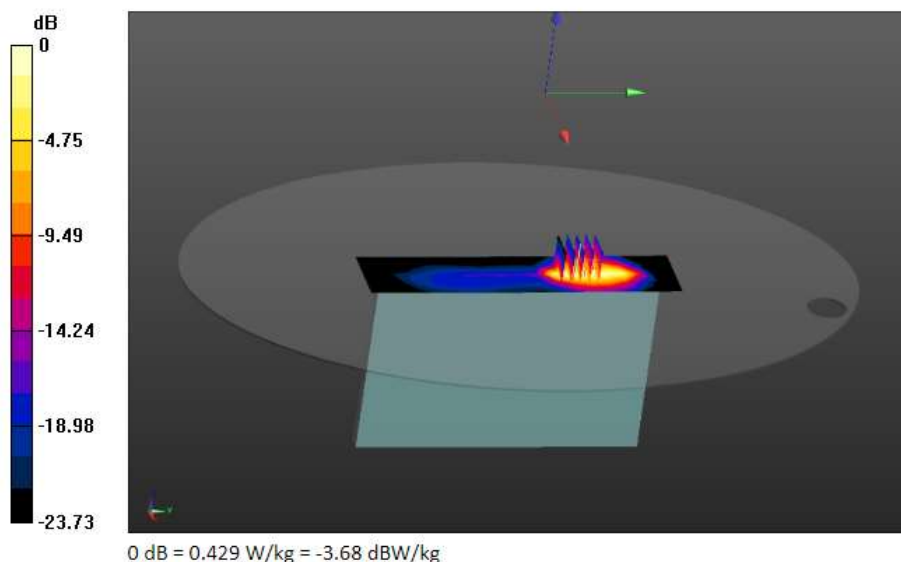
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.063 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.635 W/kg

SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.185W/kg

Maximum value of SAR (measured) = 0.429 W/kg



Date: 12/10/2023

LTE 12_ left side _CH 23130

Communication System: UID 0, Generic LTE FDD (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium: 750 body Medium parameters used: $f = 711$ MHz; $\sigma = 0.858$ S/m; $\epsilon_r = 43.047$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(10.18, 10.18, 10.18) @ 711 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0614 W/kg

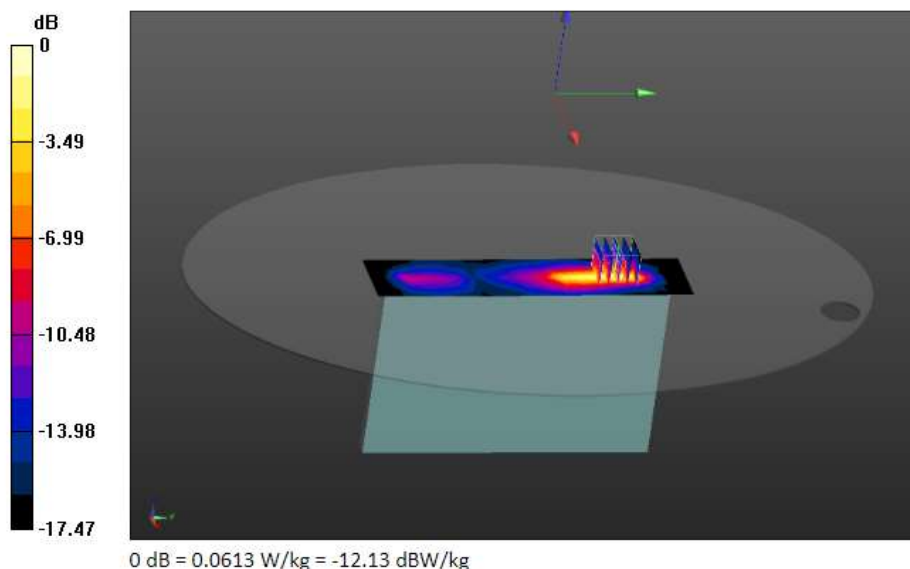
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.649 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0790 W/kg

SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.019 W/kg

Maximum value of SAR (measured) = 0.0613 W/kg



Date: 12/10/2023

LTE 17_ left side _CH 23780

Communication System: UID 0, Generic LTE FDD (0); Frequency: 709 MHz; Duty Cycle: 1:1

Medium: 750 body Medium parameters used: $f = 709$ MHz; $\sigma = 0.857$ S/m; $\epsilon_r = 43.083$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(10.18, 10.18, 10.18) @ 709 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0647 W/kg

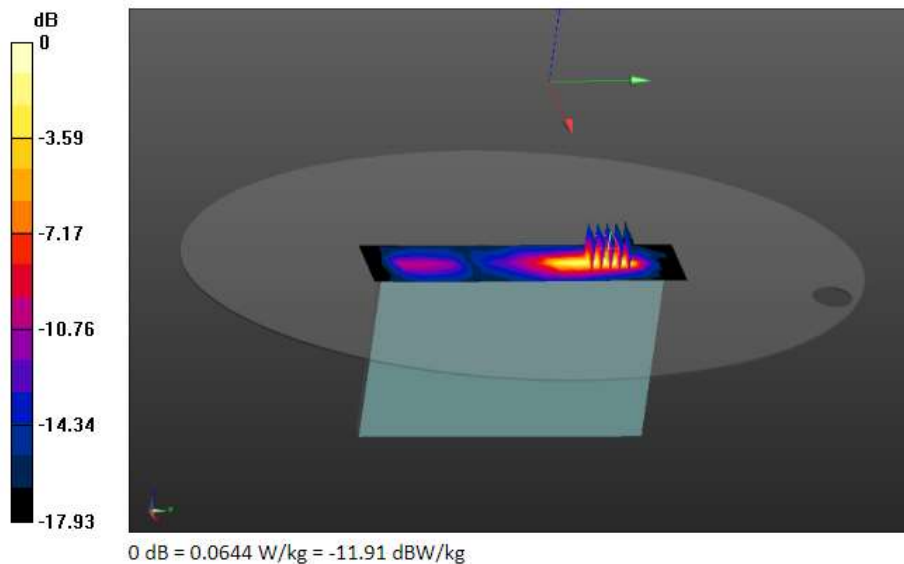
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.664 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.0830 W/kg

SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.023 W/kg

Maximum value of SAR (measured) = 0.0644 W/kg



Date: 12/14/2023

LTE 25_ left side _CH 26140

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

Medium: 1950 body Medium parameters used: $f = 1860$ MHz; $\sigma = 1.341$ S/m; $\epsilon_r = 40.564$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8.05, 8.05, 8.05) @ 1860 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.602 W/kg

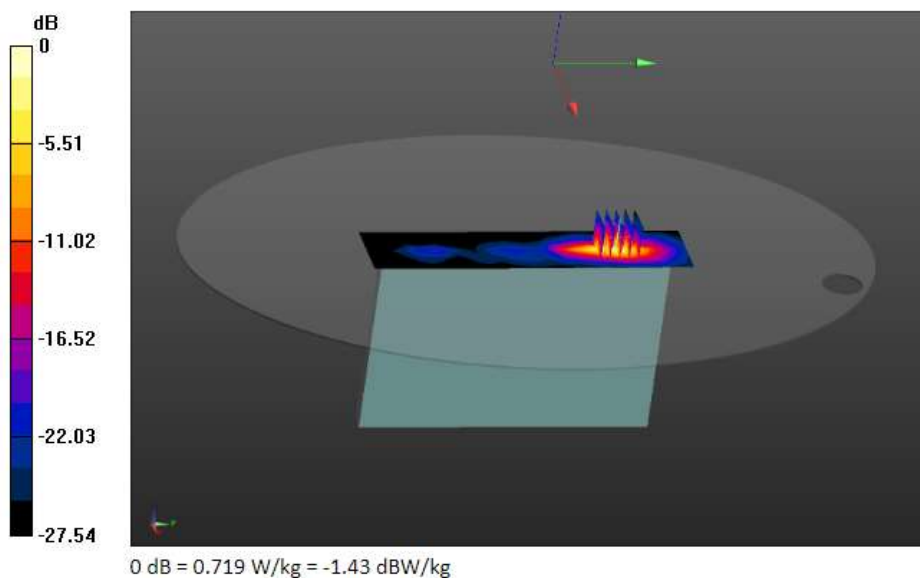
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.815 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.953 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.719 W/kg



LTE 26A_ left side _CH 26765

Communication System: UID 0, Generic LTE FDD (0); Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium: 835 body Medium parameters used (interpolated): $f = 821.5$ MHz; $\sigma = 0.883$ S/m; $\epsilon_r = 42.427$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.81, 9.81, 9.81) @ 821.5 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.387 W/kg

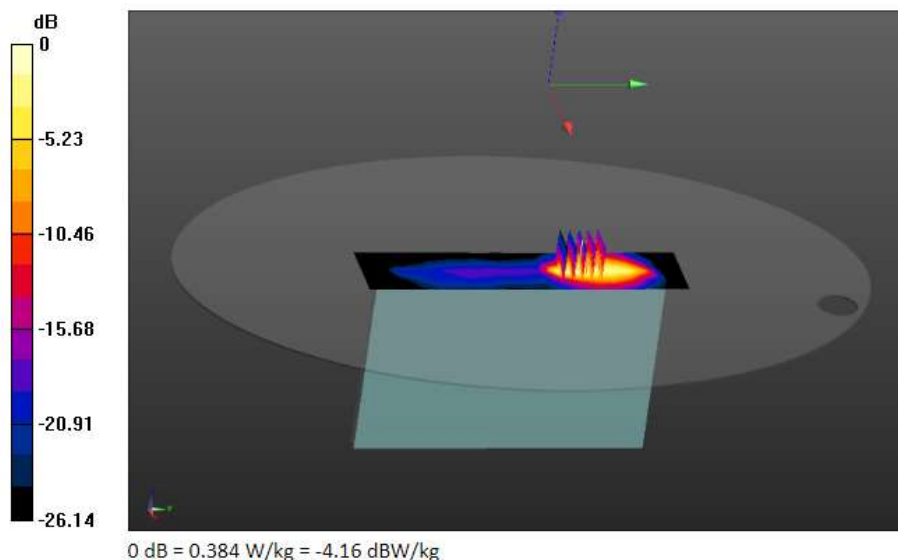
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.552 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.560 W/kg

SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.384 W/kg



LTE 26B_ left side _CH 26965

Communication System: UID 0, Generic LTE FDD (0); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium: 835 body Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 42.123$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.81, 9.81, 9.81) @ 841.5 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.517 W/kg

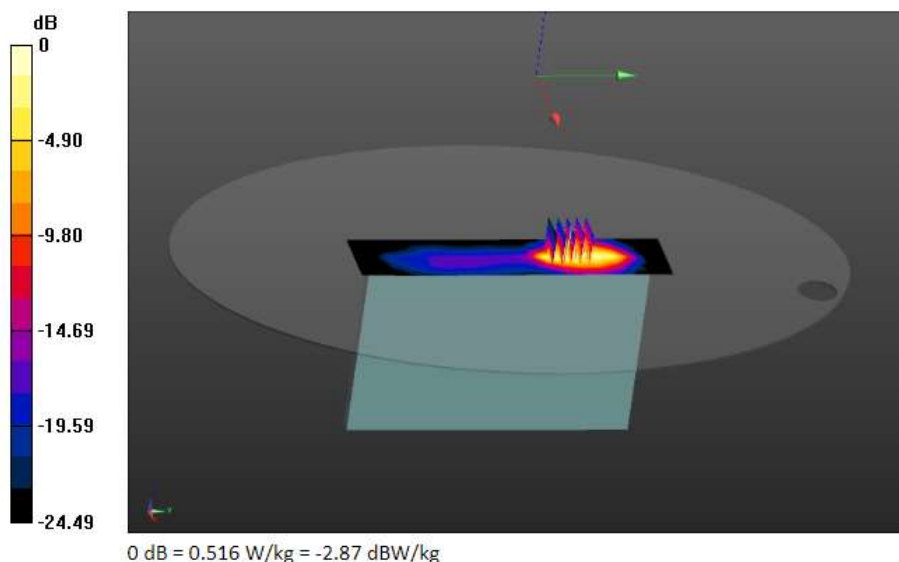
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.512 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.751 W/kg

SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.196 W/kg

Maximum value of SAR (measured) = 0.516 W/kg



LTE 41_ left side _CH 40620

Communication System: UID 0, Generic LTE TDD (0); Frequency: 2593 MHz; Duty Cycle: 1:1

Medium: 2600 body Medium parameters used: $f = 2593$ MHz; $\sigma = 2.048$ S/m; $\epsilon_r = 37.653$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.3, 7.3, 7.3) @ 2593 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

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

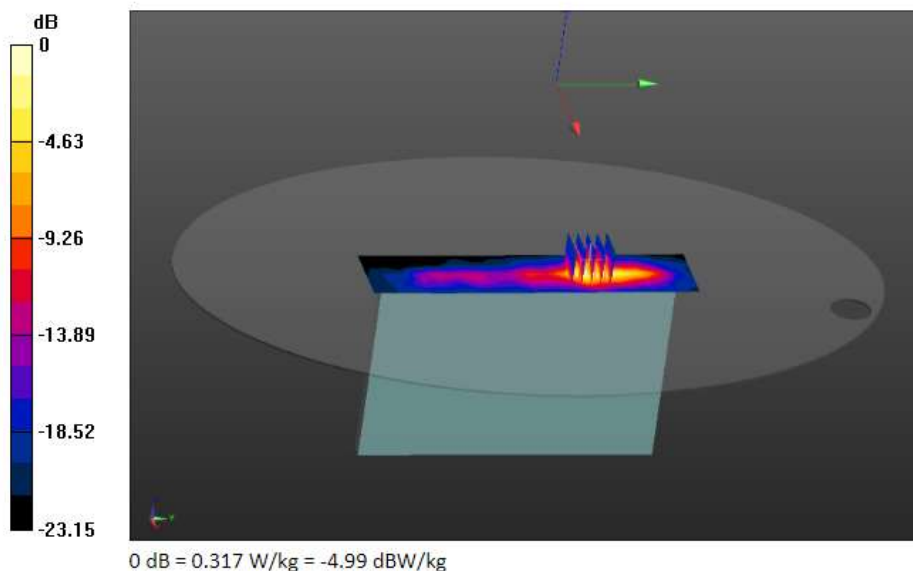
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.945 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.317 W/kg



Date: 12/13/2023

LTE 66_ left side _CH 132572

Communication System: UID 0, Generic LTE FDD (0); Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: 1750 body Medium parameters used: $f = 1770$ MHz; $\sigma = 1.422$ S/m; $\epsilon_r = 40.45$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8.36, 8.36, 8.36) @ 1770 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.837 W/kg

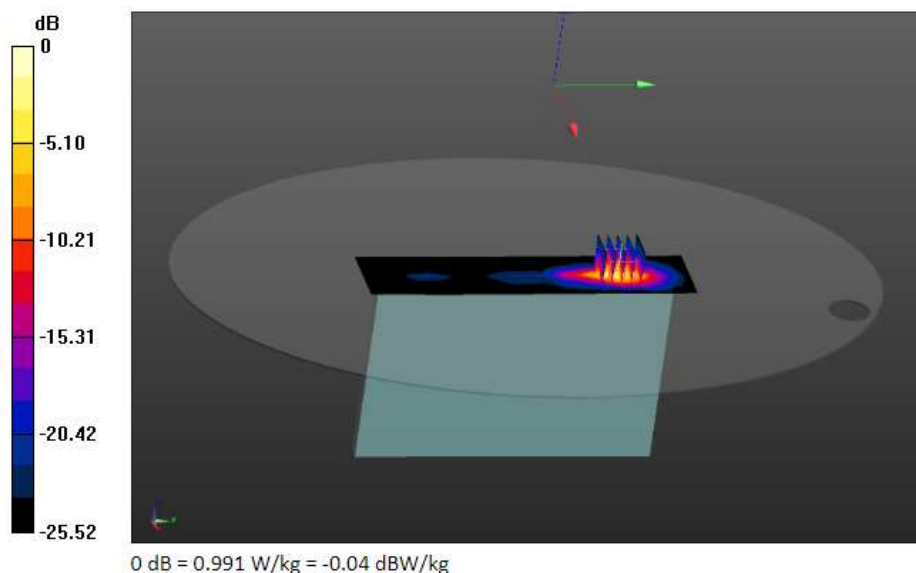
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.087 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.198 W/kg

Maximum value of SAR (measured) = 0.991 W/kg



LTE 71_ left side _CH 133372

Communication System: UID 0, Generic LTE FDD (0); Frequency: 688 MHz; Duty Cycle: 1:1

Medium: 650 body Medium parameters used: $f = 688$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 42.35$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(10.18, 10.18, 10.18) @ 688 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (5x19x1): Measurement grid: dx=15mm, dy=15mm

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

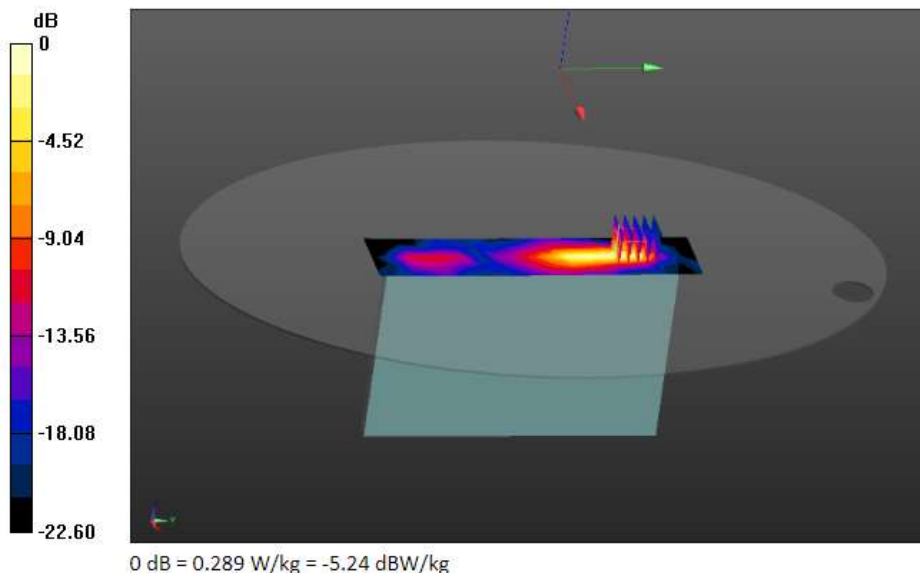
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.847 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.399 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.056 W/kg

Maximum value of SAR (measured) = 0.289 W/kg



WIFI 802.11b_rear side _CH 6

Communication System: UID 0, WiFi 802.11 b (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 body Medium parameters used: $f = 2437$ MHz; $\sigma = 1.867$ S/m; $\epsilon_r = 38.304$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.5, 7.5, 7.5) @ 2437 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (16x25x1): Measurement grid: dx=12mm, dy=12mm

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

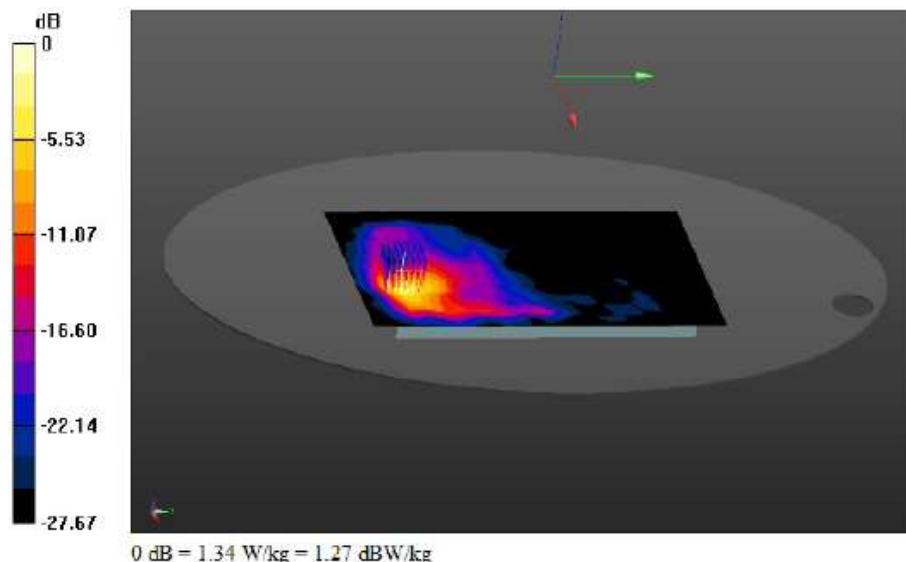
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.287 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



Date: 12/17/2023

WIFI 5G 802.11a_top side _CH 48

Communication System: UID 0, 802.11a (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5G body Medium parameters used: $f = 5240$ MHz; $\sigma = 4.599$ S/m; $\epsilon_r = 34.783$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.38, 5.38, 5.38) @ 5240 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (37x9x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of SAR (measured) = 1.64 W/kg

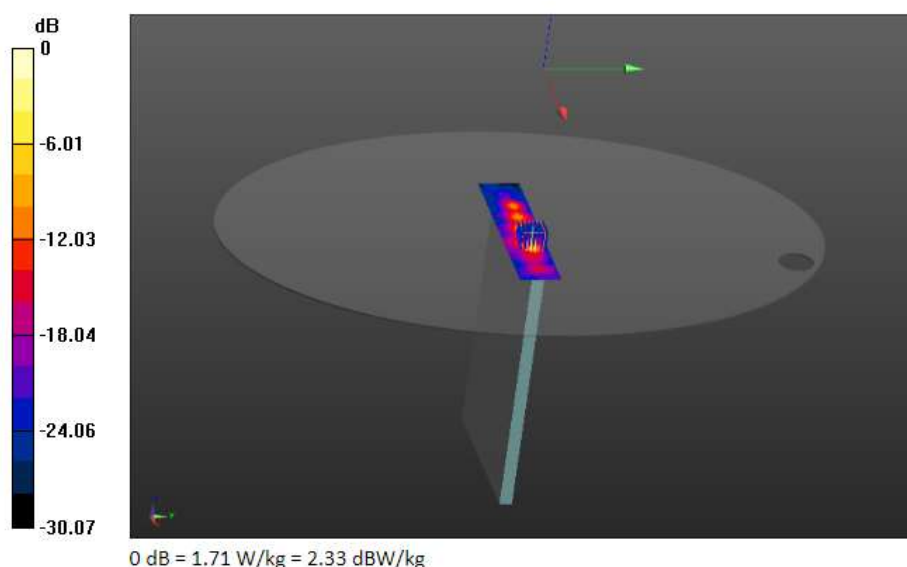
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.619 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.25 W/kg

SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 1.71 W/kg



Date: 12/18/2023

WIFI 5G 802.11a_top Side _CH 64

Communication System: UID 0, 802.11a (0); Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: 5G body Medium parameters used: $f = 5320$ MHz; $\sigma = 4.665$ S/m; $\epsilon_r = 34.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.38, 5.38, 5.38) @ 5320 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (37x9x1): Measurement grid: dx=5mm, dy=5mm

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

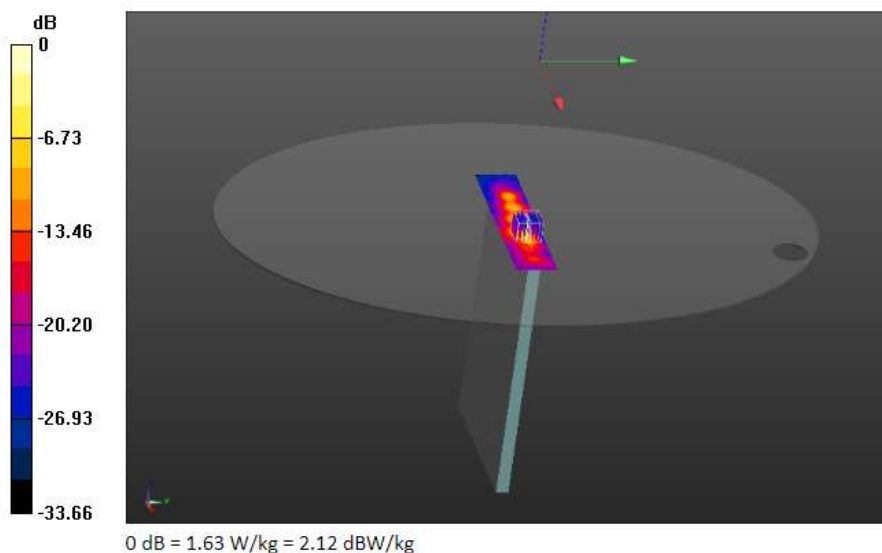
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.696 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.27 W/kg

SAR(1 g) = 0.458 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 1.63 W/kg



Date: 12/20/2023

WIFI 5G 802.11a_top side _CH 165

Communication System: UID 0, 802.11a (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: 5G body Medium parameters used: $f = 5825$ MHz; $\sigma = 5.147$ S/m; $\epsilon_r = 33.882$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.9, 4.9, 4.9) @ 5825 MHz; Calibrated: 2/8/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2/8/2023
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (37x9x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of SAR (measured) = 1.85 W/kg

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

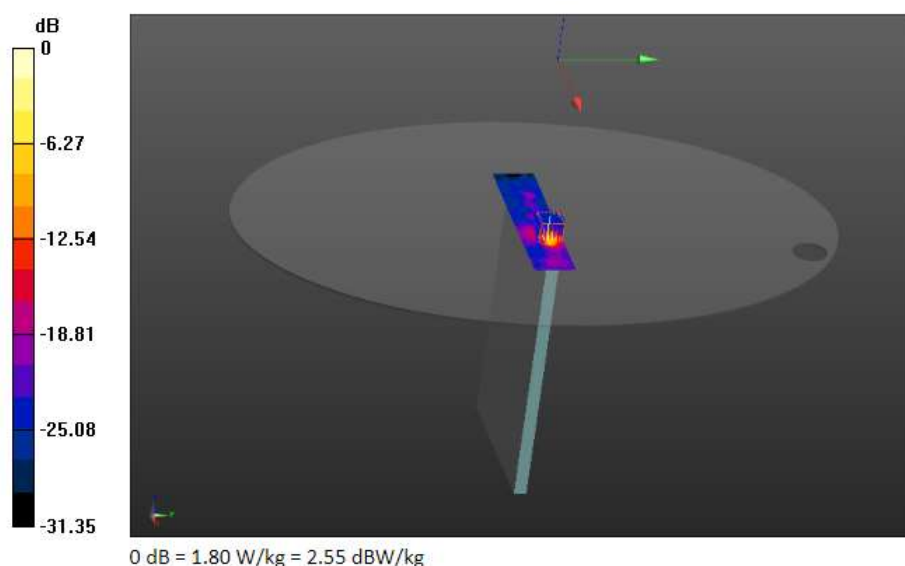
Reference Value = 1.480 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.57 W/kg

SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 1.80 W/kg

Maximum value of SAR (measured) = 0.782 W/kg



ANNEX D: System Validation

The SAR system must be validated against its performance specifications before it is deployed. When SAR probes, system components or software are changed, upgraded or recalibrated, these must be validated with the SAR system(s) that operates with such components.

Table D.1: System Validation Part 1

System No.	Probe SN.	Liquid name	Validation date	Frequency point	Permittivity ϵ	Conductivity σ (S/m)
1	1055	Body	2023-12-10	750 MHz	42.370	0.894
2	4d196	Body	2023-12-11	835 MHz	42.221	0.896
3	1d182	Body	2023-12-12	900 MHz	41.303	0.960
4	1138	Body	2023-12-13	1750 MHz	40.569	1.404
5	5d203	Body	2023-12-14	1900 MHz	40.383	1.382
6	966	Body	2023-12-15	2450 MHz	38.250	1.882
7	1108	Body	2023-12-16	2600 MHz	37.623	2.056
8	1218	Body	2023-12-17	5200 MHz	34.807	4.564
9	1218	Body	2023-12-18	5300 MHz	34.738	4.649
10	1218	Body	2023-12-19	5600 MHz	34.278	4.920
11	1218	Body	2023-12-20	5800 MHz	33.938	5.124

Table D.2: System Validation Part 2

CW Validation	Sensitivity	PASS	PASS
	Probe linearity	PASS	PASS
	Probe Isotropy	PASS	PASS
Mod Validation	MOD.type	QPSK	QPSK
	Duty factor	PASS	PASS
	PAR	PASS	PASS