GSM 850

Frequency: 824.4 MHz; Communication System Channel Number: 128; Duty Cycle: 1:4.00037
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 825 MHz; σ = 0.935 S/m; ε_r = 40.919; ρ = 1000 kg/m^3

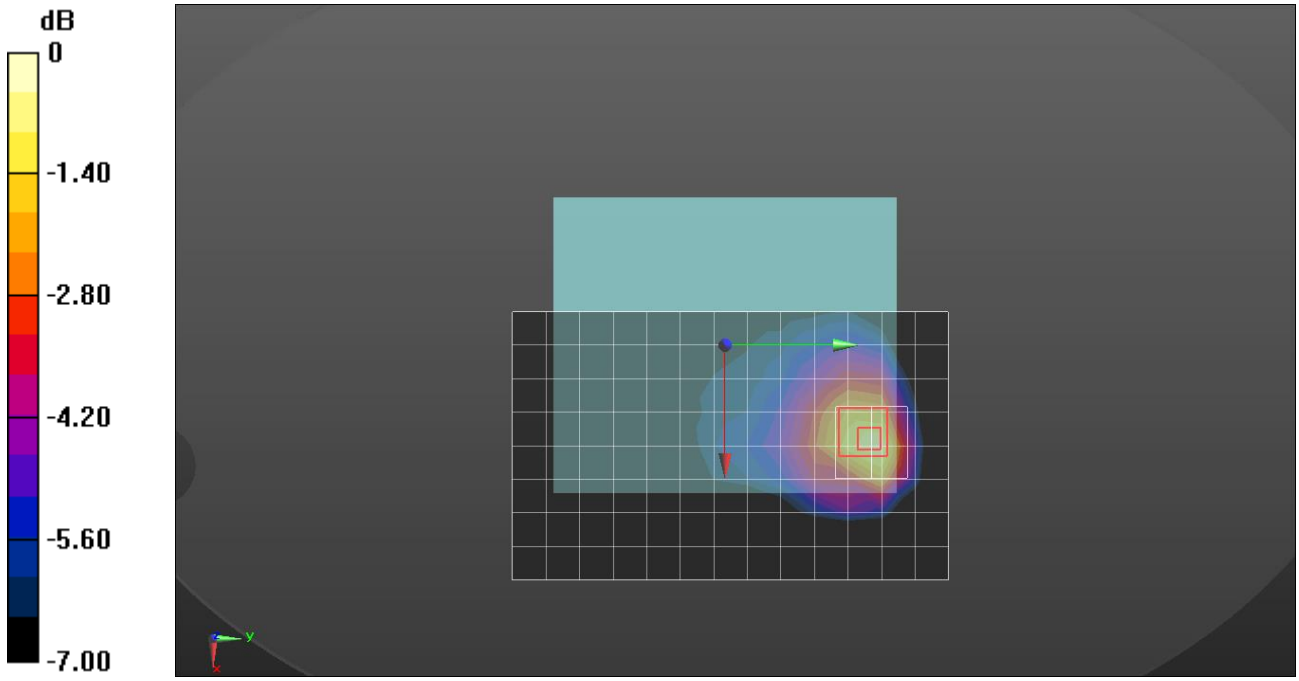
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(9.64, 9.4, 9.98) @ 824.4 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/GPRS 2 slots ch.128/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Rear/GPRS 2 slots ch.128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.97 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.422 W/kg
Maximum value of SAR (measured) = 1.00 W/kg



0 dB = 1.00 W/kg = 0.00 dBW/kg

GSM 850

Frequency: 836.6 MHz; Communication System Channel Number: 190; Duty Cycle: 1:4.00037
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.939 S/m; ε_r = 40.888; ρ = 1000 kg/m^3

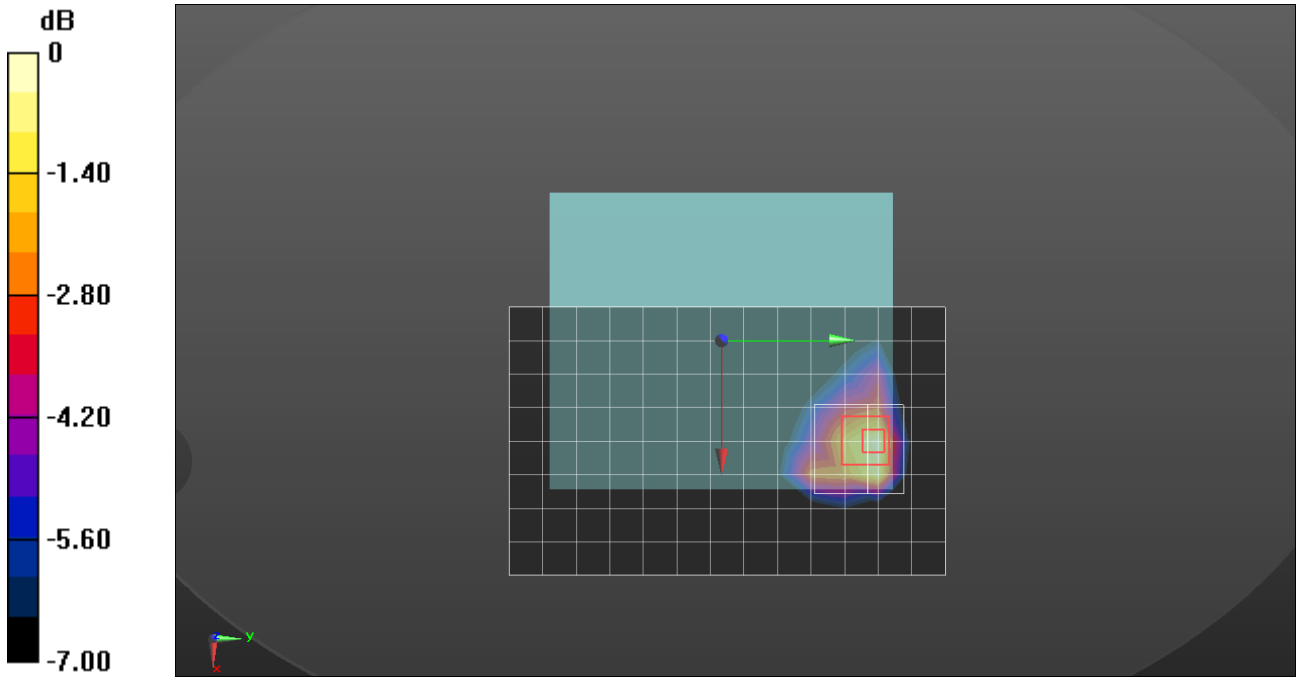
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(9.64, 9.4, 9.98) @ 836.6 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/GPRS 2 slots ch.190/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.28 W/kg

Rear/GPRS 2 slots ch.190/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.84 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 4.67 W/kg
SAR(1 g) = 2.17 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 3.41 W/kg



0 dB = 3.41 W/kg = 5.33 dBW/kg

GSM 1900

Frequency: 1880 MHz; Communication System Channel Number: 661; Duty Cycle: 1:1.99986
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 1880 MHz; σ = 1.426 S/m; ε_r = 39.112; ρ = 1000 kg/m^3

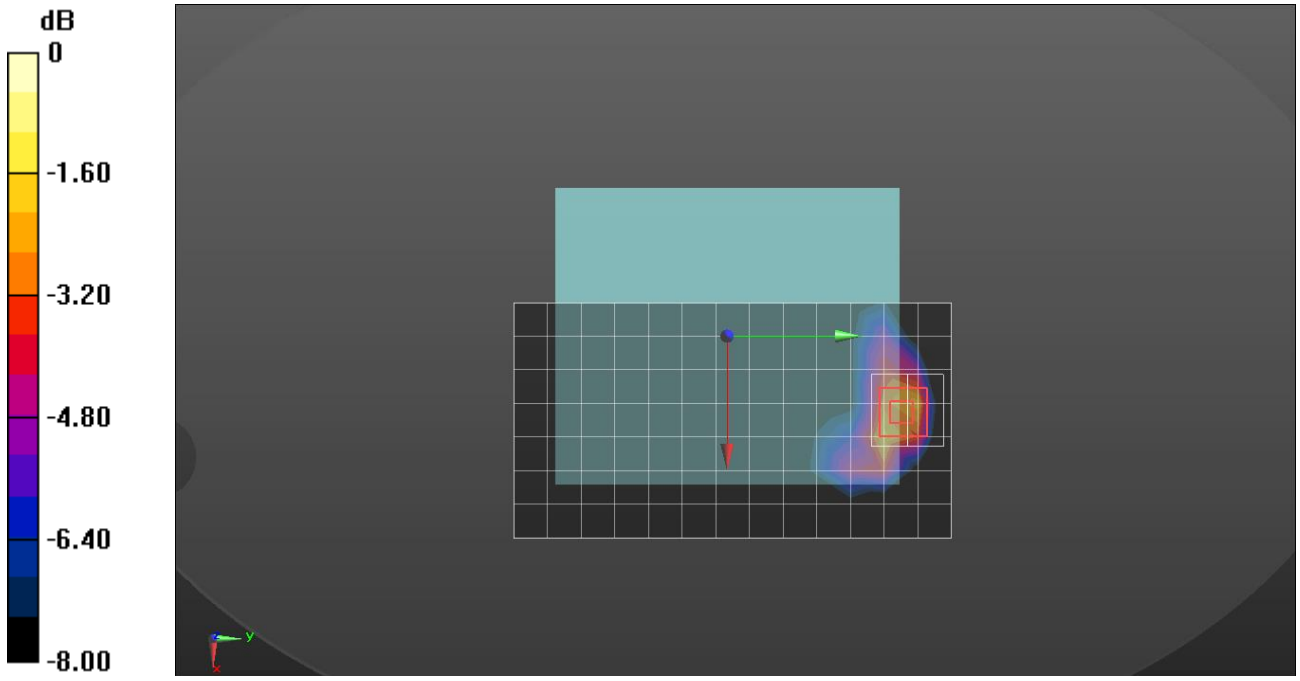
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.2, 8.18, 8.43) @ 1880 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/GPRS 4 slots ch.661/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.524 W/kg

Rear/GPRS 4 slots ch.661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.83 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.267 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 57.8%
Maximum value of SAR (measured) = 0.797 W/kg



0 dB = 0.797 W/kg = −0.99 dBW/kg

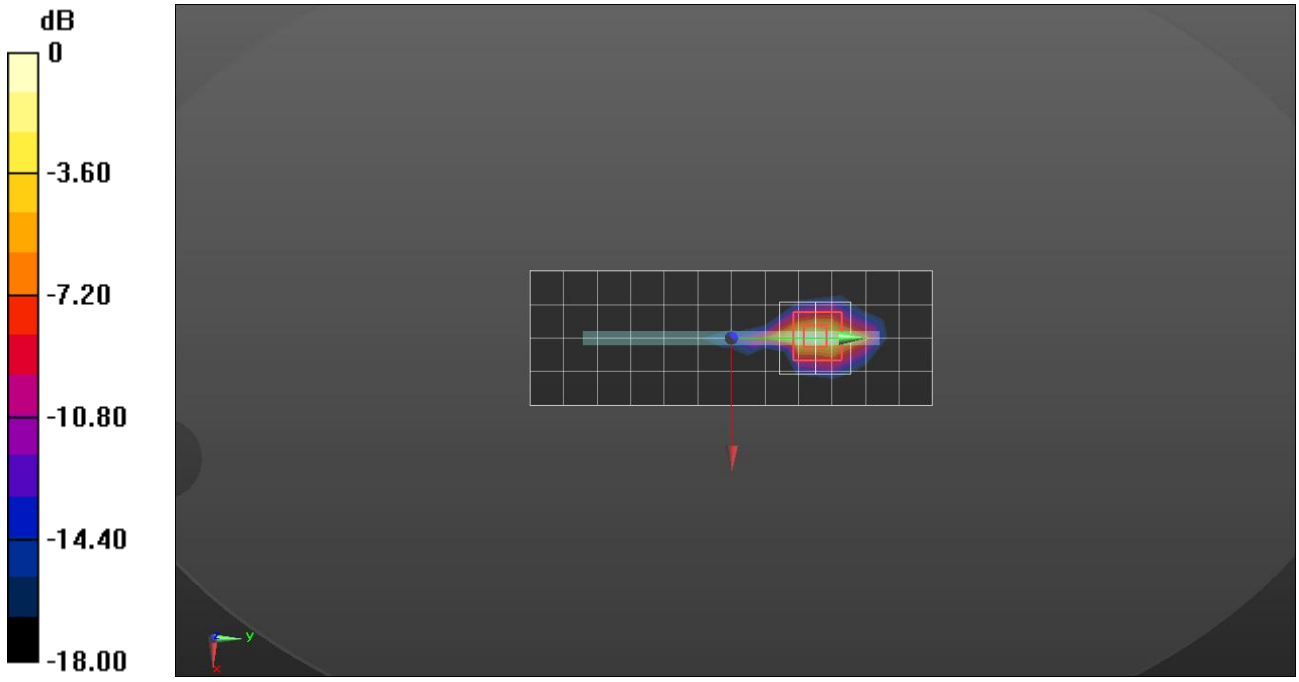
GSM 1900

Frequency: 1880 MHz; Communication System Channel Number: 661; Duty Cycle: 1:1.99986
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 1880 MHz; σ = 1.426 S/m; ε_r = 39.112; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.2, 8.18, 8.43) @ 1880 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/GPRS 4 slots ch.661/Area Scan (13x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.89 W/kg

Bottom/GPRS 4 slots ch.661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 59.17 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 8.70 W/kg
SAR(1 g) = 3.77 W/kg; SAR(10 g) = 1.55 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 41.9%
Maximum value of SAR (measured) = 7.11 W/kg



0 dB = 7.11 W/kg = 8.52 dBW/kg

W-CDMA Band V

Frequency: 836.6 MHz; Communication System Channel Number: 4183; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.918 S/m; ε_r = 41.714; ρ = 1000 kg/m^3

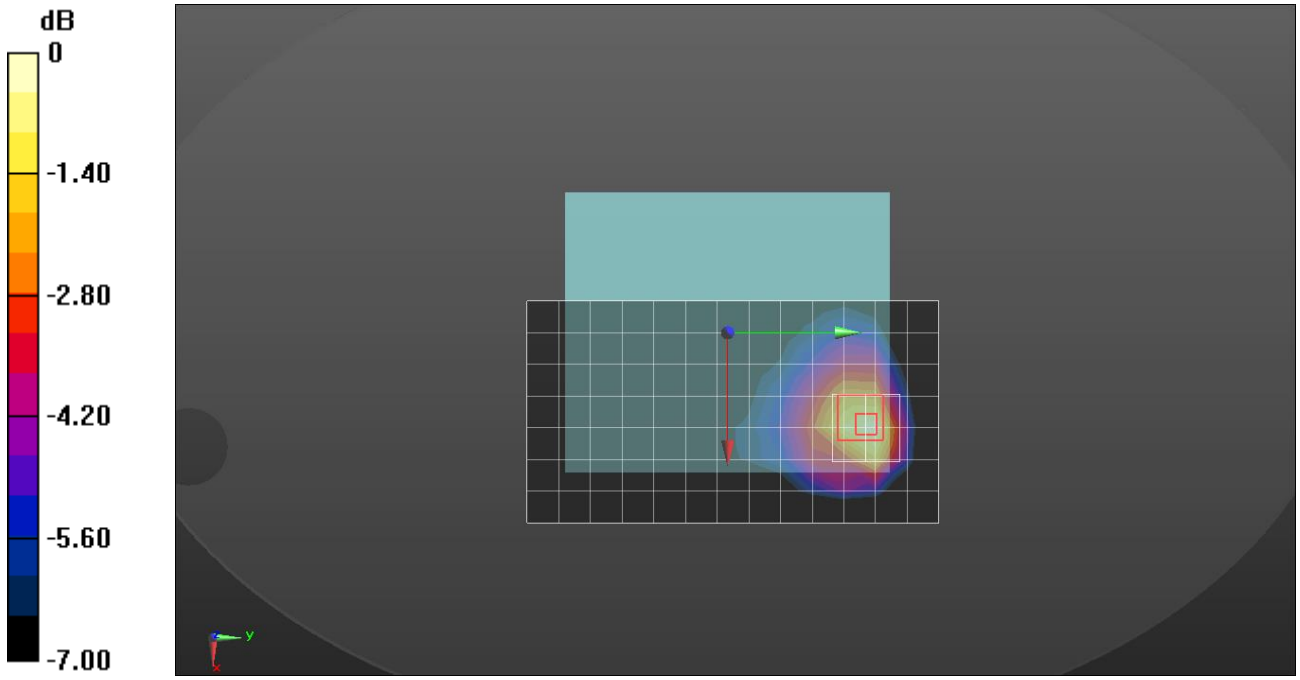
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(9.64, 9.4, 9.98) @ 836.6 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/Rel.99 ch.4183/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

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

Rear/Rel.99 ch.4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.31 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.858 W/kg; SAR(10 g) = 0.523 W/kg
Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

W-CDMA Band V

Frequency: 836.6 MHz; Communication System Channel Number: 4183; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.939 S/m; ε_r = 40.888; ρ = 1000 kg/m^3

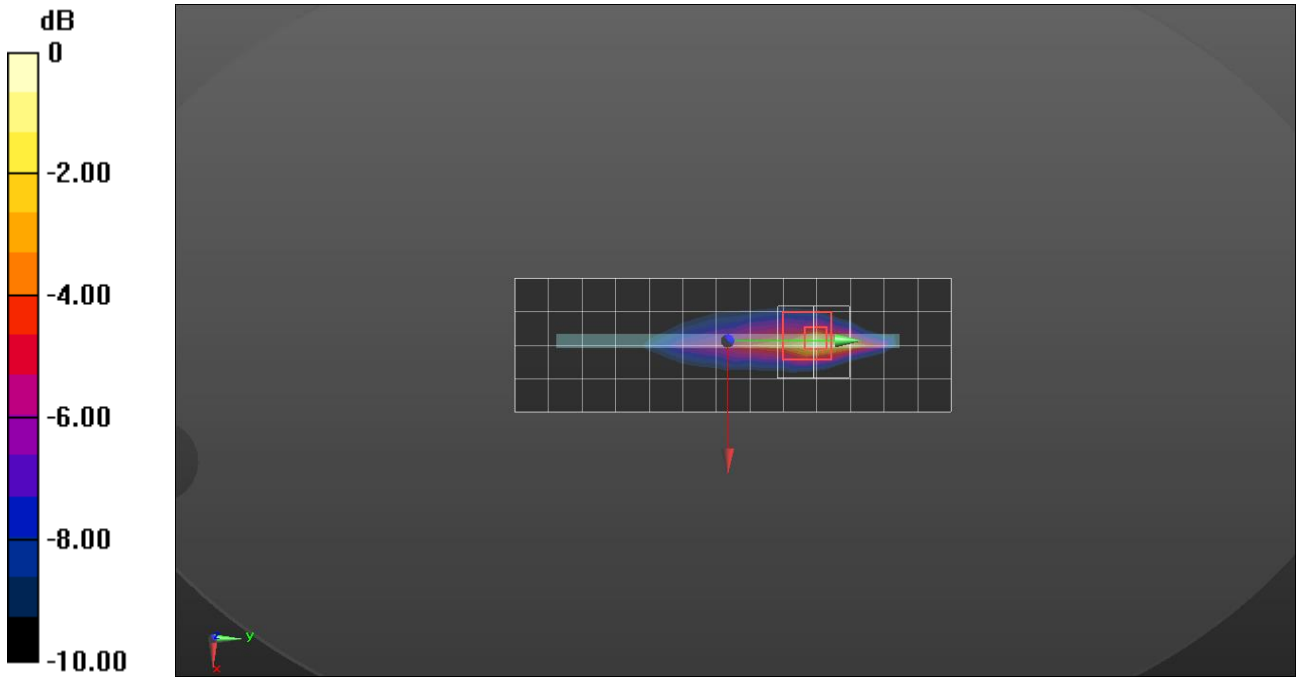
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(9.64, 9.4, 9.98) @ 836.6 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/Rel.99 ch.4183/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 6.18 W/kg

Right/Rel.99 ch.4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 72.62 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 9.61 W/kg
SAR(1 g) = 3.02 W/kg; SAR(10 g) = 1.31 W/kg
Maximum value of SAR (measured) = 6.92 W/kg



0 dB = 6.92 W/kg = 8.40 dBW/kg

LTE Band 5

Frequency: 836.5 MHz; Communication System Channel Number: 20525; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.918 S/m; ε_r = 41.714; ρ = 1000 kg/m^3

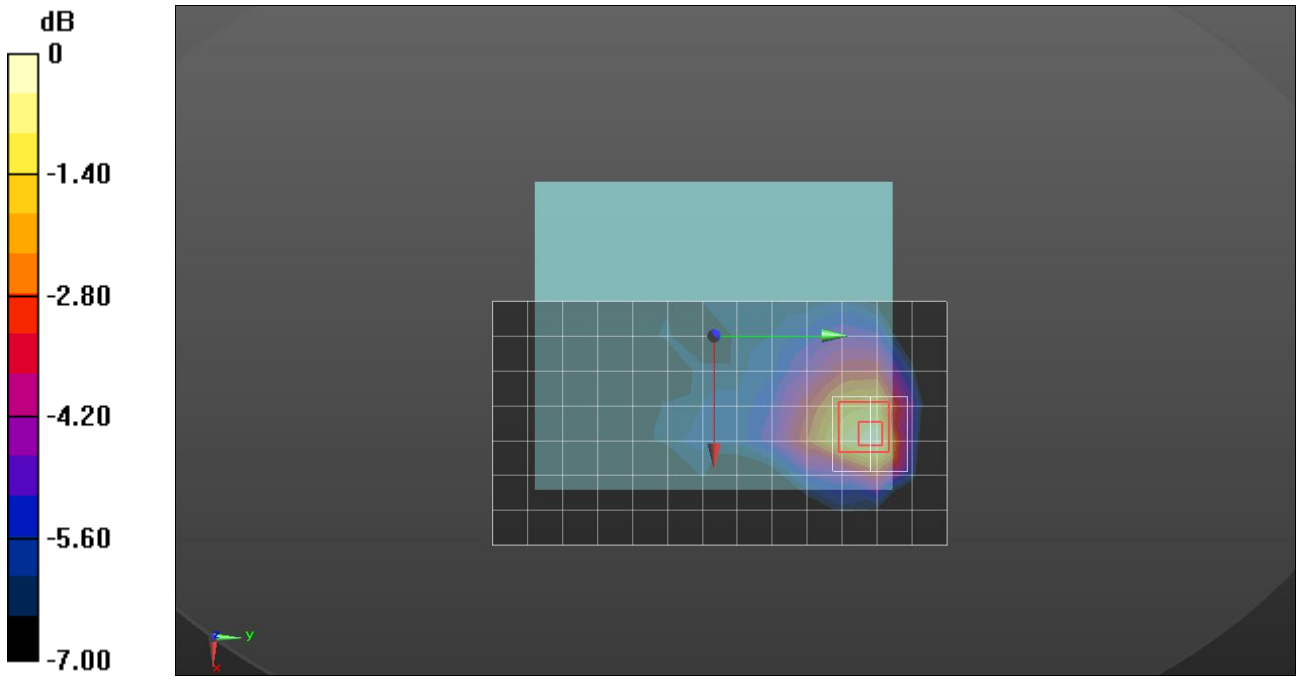
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(9.64, 9.4, 9.98) @ 836.5 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/0 ch.20525/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.907 W/kg

Rear/QPSK RB 1/0 ch.20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.03 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.399 W/kg
Maximum value of SAR (measured) = 0.892 W/kg



0 dB = 0.892 W/kg = −0.50 dBW/kg

LTE Band 5

Frequency: 836.5 MHz; Communication System Channel Number: 20525; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.918 S/m; ε_r = 41.714; ρ = 1000 kg/m^3

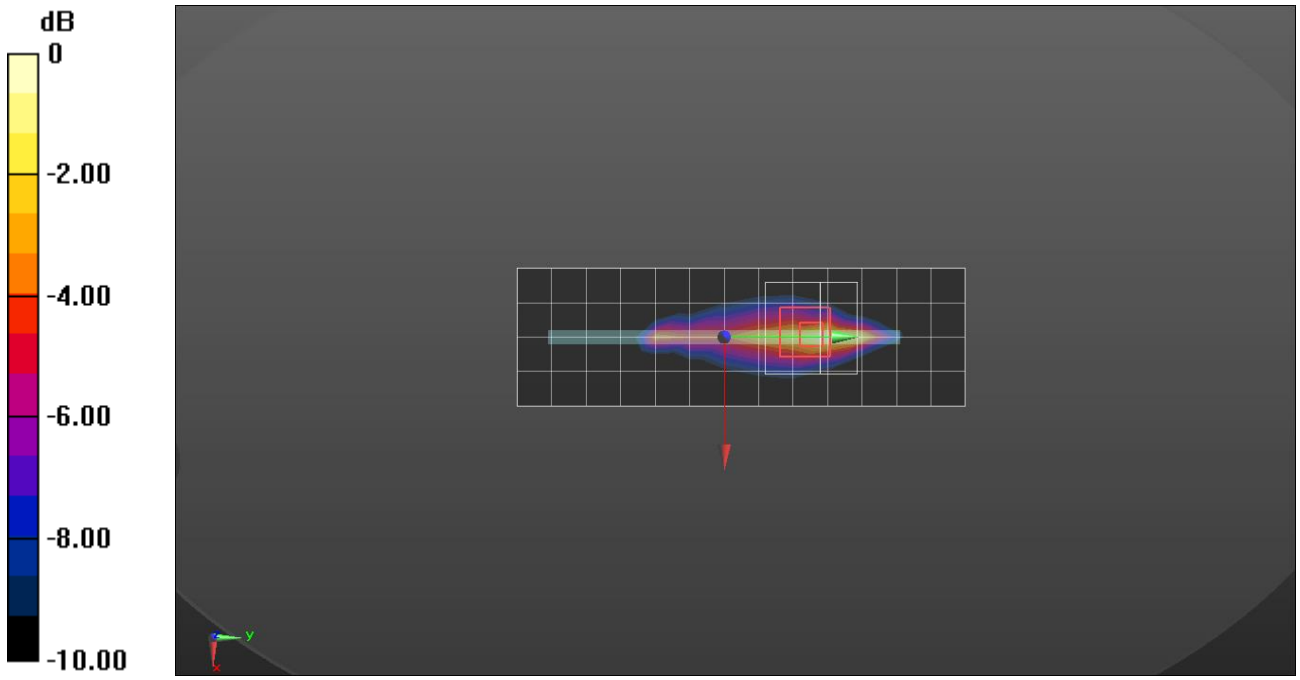
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(9.64, 9.4, 9.98) @ 836.5 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/QPSK RB 1/0 ch.20525/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 5.82 W/kg

Right/QPSK RB 1/0 ch.20525/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 66.18 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 7.60 W/kg
SAR(1 g) = 2.92 W/kg; SAR(10 g) = 1.39 W/kg
Maximum value of SAR (measured) = 5.97 W/kg



0 dB = 5.97 W/kg = 7.76 dBW/kg

LTE Band 12

Frequency: 707.5 MHz; Communication System Channel Number: 23095; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.874 S/m; ε_r = 42.071; ρ = 1000 kg/m^3

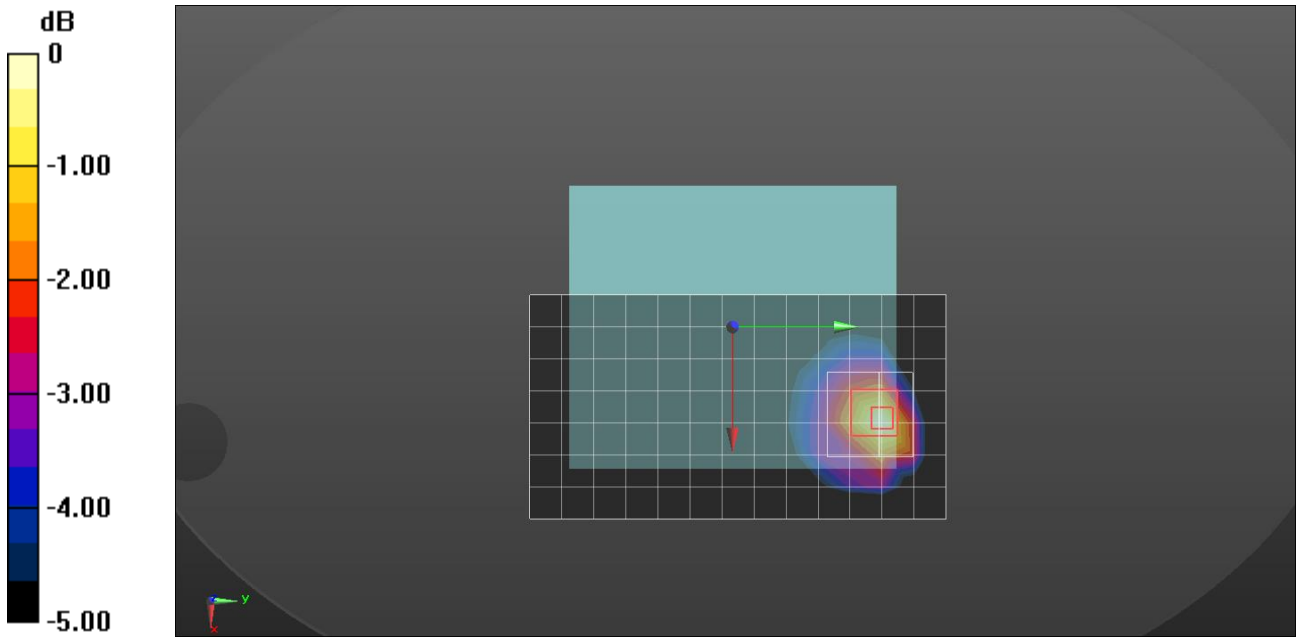
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(10.16, 10.12, 10.24) @ 707.5 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/49 ch.23095/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.806 W/kg

Rear/QPSK RB 1/49 ch.23095/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.32 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.914 W/kg
SAR(1 g) = 0.519 W/kg; SAR(10 g) = 0.314 W/kg
Maximum value of SAR (measured) = 0.762 W/kg



0 dB = 0.762 W/kg = −1.18 dBW/kg

LTE Band 12

Frequency: 707.5 MHz; Communication System Channel Number: 23095; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.874 S/m; ε_r = 42.071; ρ = 1000 kg/m^3

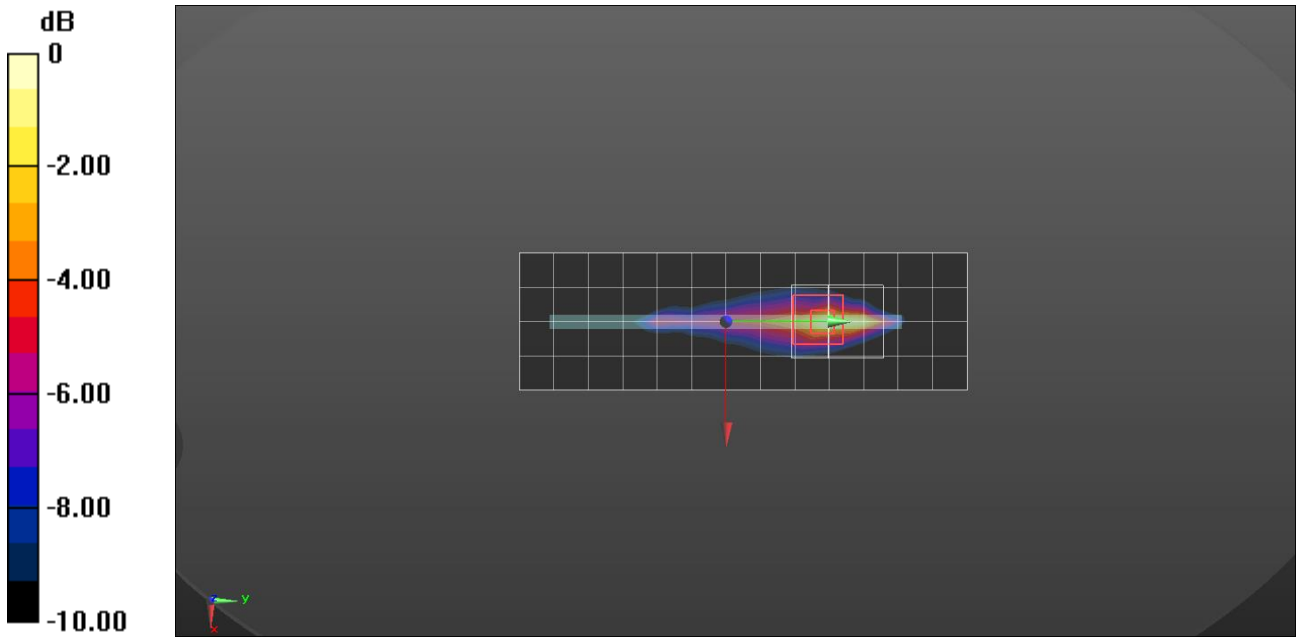
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(10.16, 10.12, 10.24) @ 707.5 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/QPSK RB 1/49 ch.23095/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 7.68 W/kg

Right/QPSK RB 1/49 ch.23095/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 76.57 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 10.5 W/kg
SAR(1 g) = 3.17 W/kg; SAR(10 g) = 1.42 W/kg
Maximum value of SAR (measured) = 7.66 W/kg



0 dB = 7.66 W/kg = 8.84 dBW/kg

LTE Band 13

Frequency: 782 MHz; Communication System Channel Number: 23230; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 782 MHz; σ = 0.899 S/m; ε_r = 41.848; ρ = 1000 kg/m^3

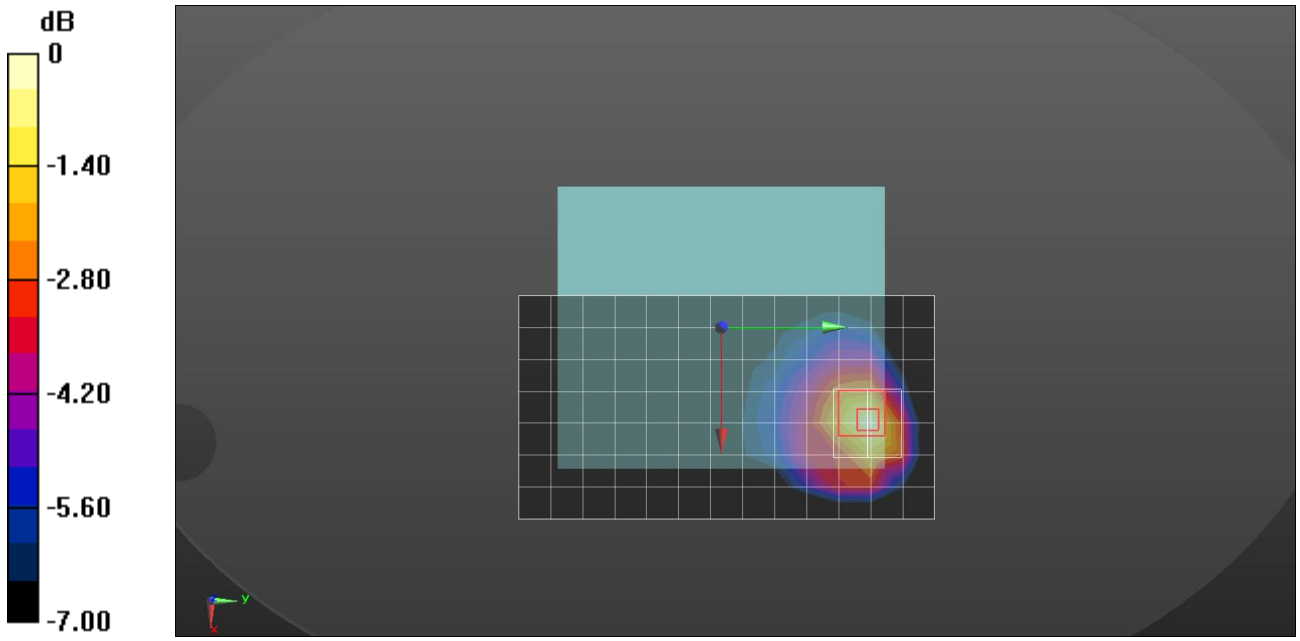
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(10.16, 10.12, 10.24) @ 782 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/25 ch.23230/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.959 W/kg

Rear/QPSK RB 1/25 ch.23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.94 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.371 W/kg
Maximum value of SAR (measured) = 0.944 W/kg



0 dB = 0.944 W/kg = −0.25 dBW/kg

LTE Band 13

Frequency: 782 MHz; Communication System Channel Number: 23230; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 782 MHz; σ = 0.899 S/m; ε_r = 41.848; ρ = 1000 kg/m^3

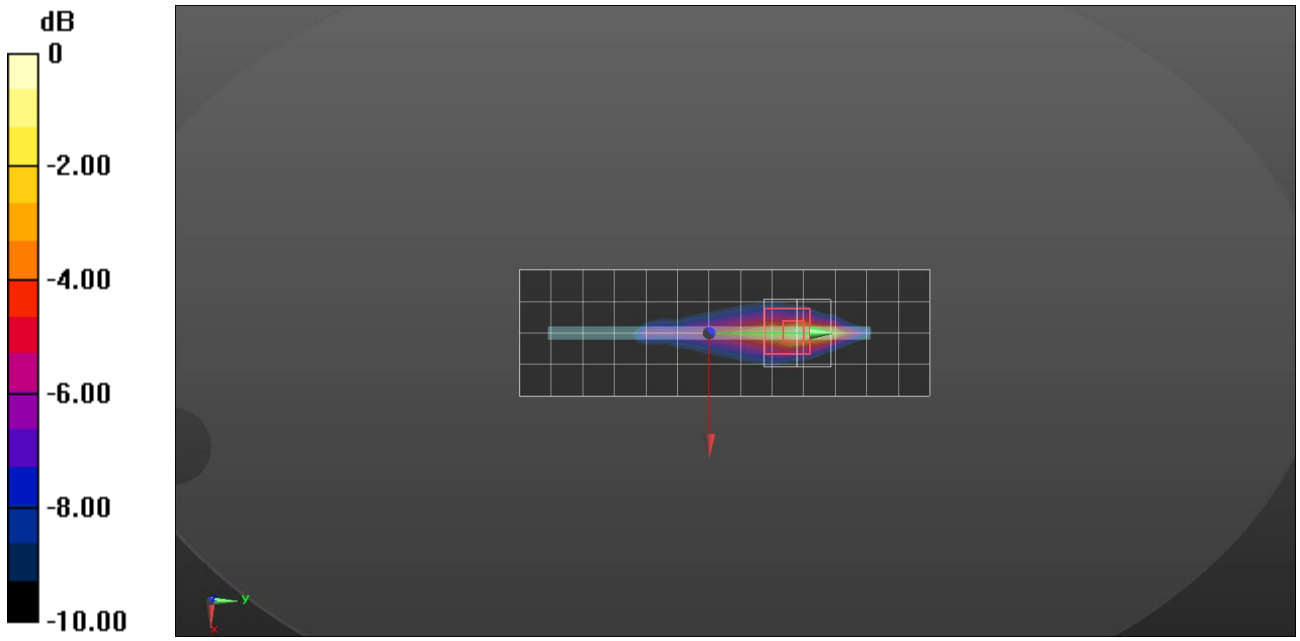
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(10.16, 10.12, 10.24) @ 782 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/QPSK RB 1/25 ch.23230/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 5.94 W/kg

Right/QPSK RB 1/25 ch.23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 66.80 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 8.24 W/kg
SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 6.20 W/kg



0 dB = 6.20 W/kg = 7.92 dBW/kg

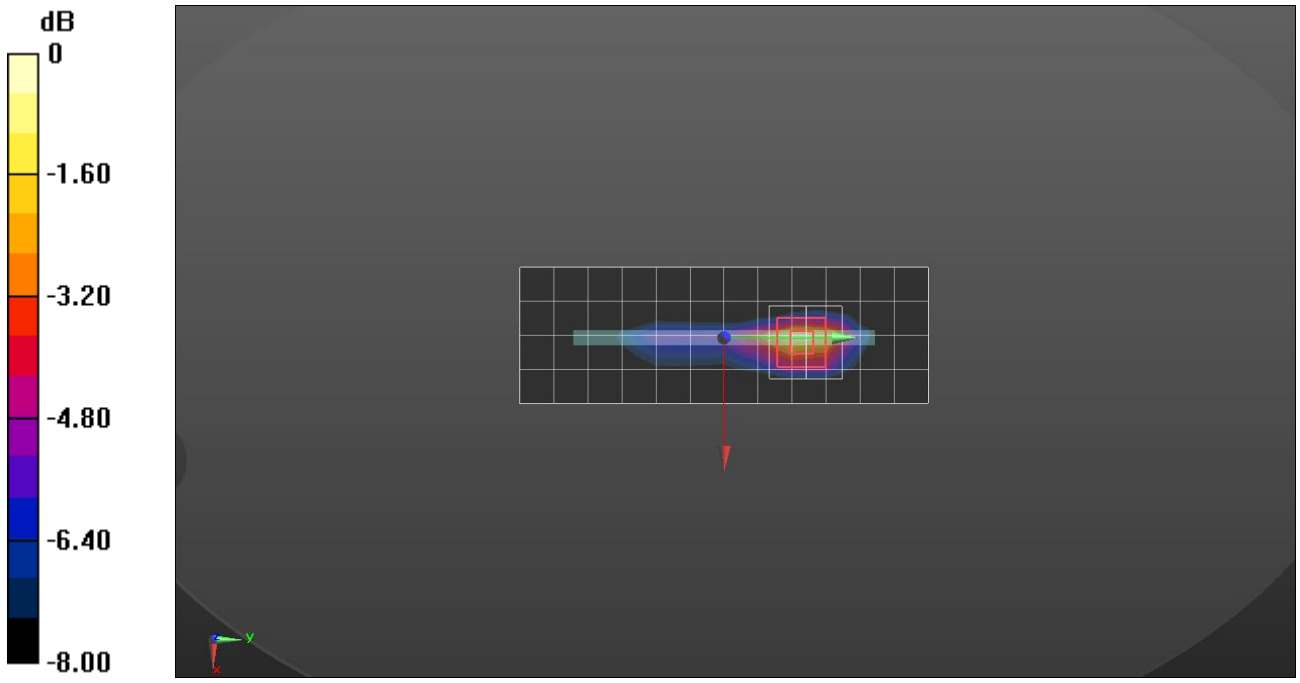
LTE Band 2

Frequency: 1860 MHz; Communication System Channel Number: 18700; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 1860 MHz; σ = 1.414 S/m; ε_r = 39.118; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.2, 8.18, 8.43) @ 1860 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 50/24 ch.18700/Area Scan (13x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.865 W/kg

Bottom/QPSK RB 50/24 ch.18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.09 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.641 W/kg; SAR(10 g) = 0.319 W/kg
Maximum value of SAR (measured) = 0.993 W/kg



0 dB = 0.993 W/kg = −0.03 dBW/kg

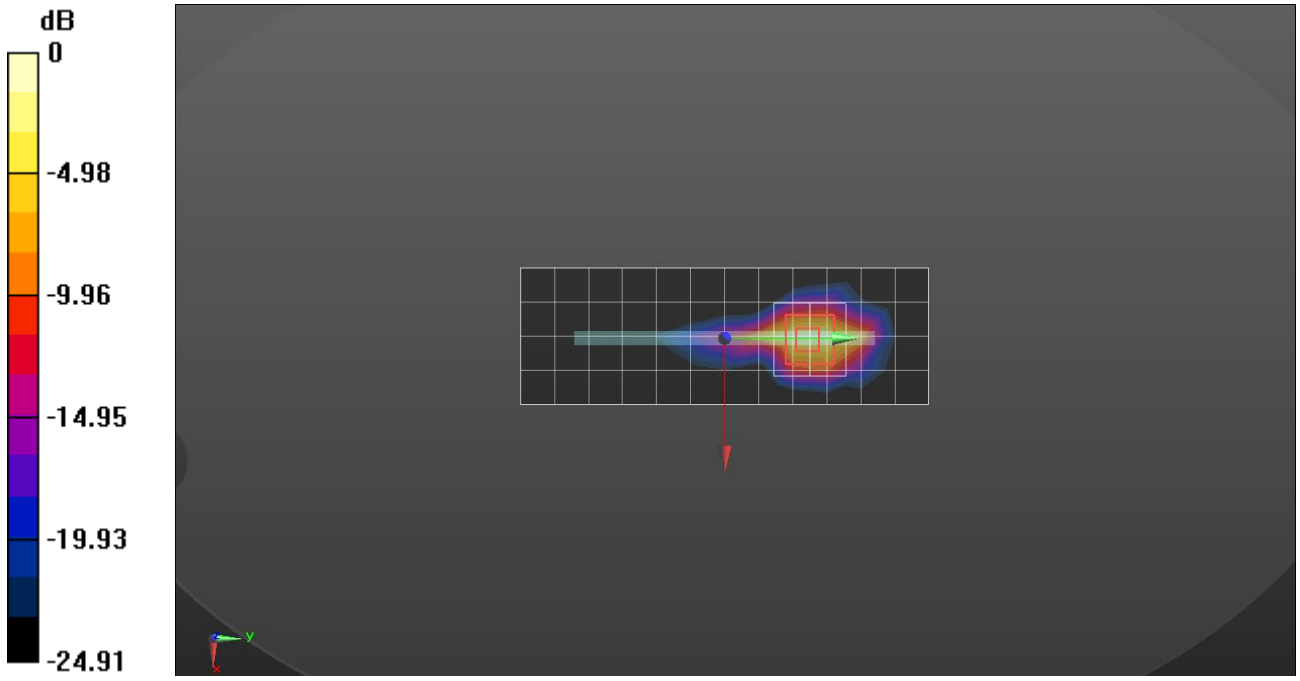
LTE Band 2

Frequency: 1860 MHz; Communication System Channel Number: 18700; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 1860 MHz; σ = 1.414 S/m; ε_r = 39.118; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.2, 8.18, 8.43) @ 1860 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 50/24 ch.18700/Area Scan (13x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 7.87 W/kg

Bottom/QPSK RB 50/24 ch.18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 74.19 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 11.6 W/kg
SAR(1 g) = 4.96 W/kg; SAR(10 g) = 2.04 W/kg
Maximum value of SAR (measured) = 9.42 W/kg



0 dB = 9.42 W/kg = 9.74 dBW/kg

LTE Band 66

Frequency: 1720 MHz; Communication System Channel Number: 132072; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 1720 MHz; σ = 1.357 S/m; ε_r = 39.212; ρ = 1000 kg/m^3

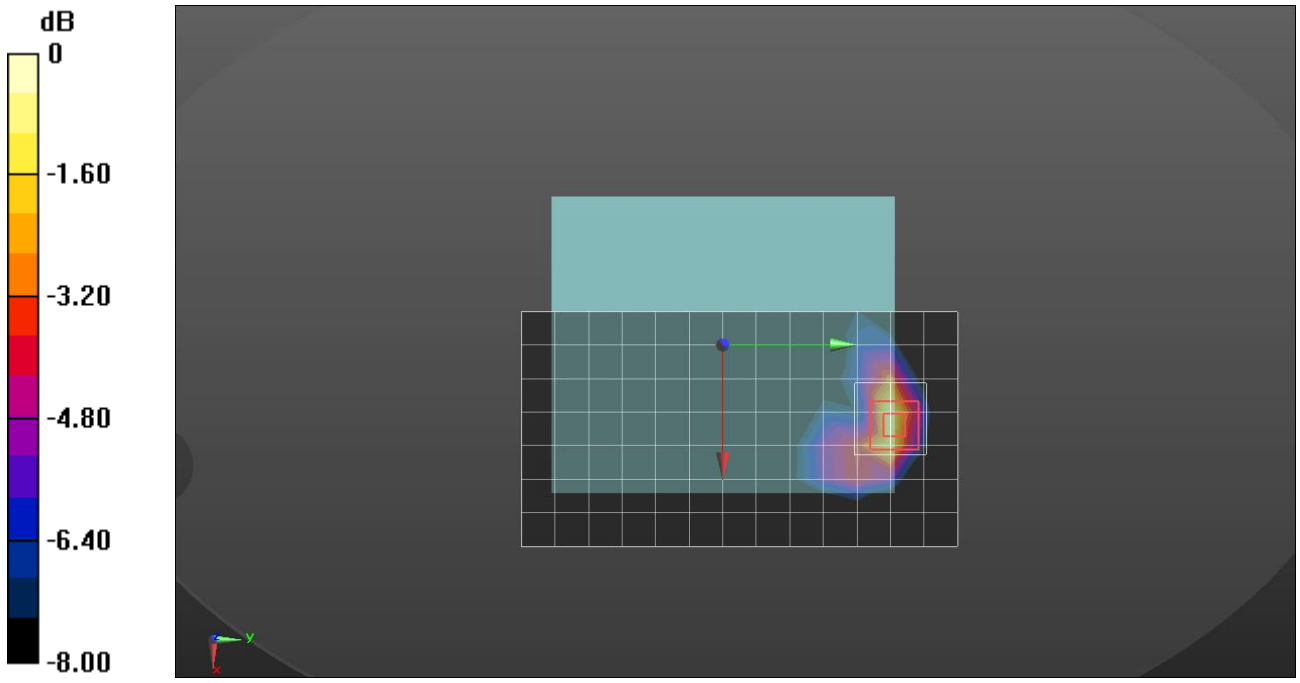
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.61, 8.53, 8.73) @ 1720 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 50/0 ch.132072/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.796 W/kg

Rear/QPSK RB 50/0 ch.132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.05 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.287 W/kg
Maximum value of SAR (measured) = 0.847 W/kg



0 dB = 0.847 W/kg = −0.72 dBW/kg

LTE Band 66

Frequency: 1745 MHz; Communication System Channel Number: 132322; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.372 S/m; ε_r = 39.145; ρ = 1000 kg/m^3

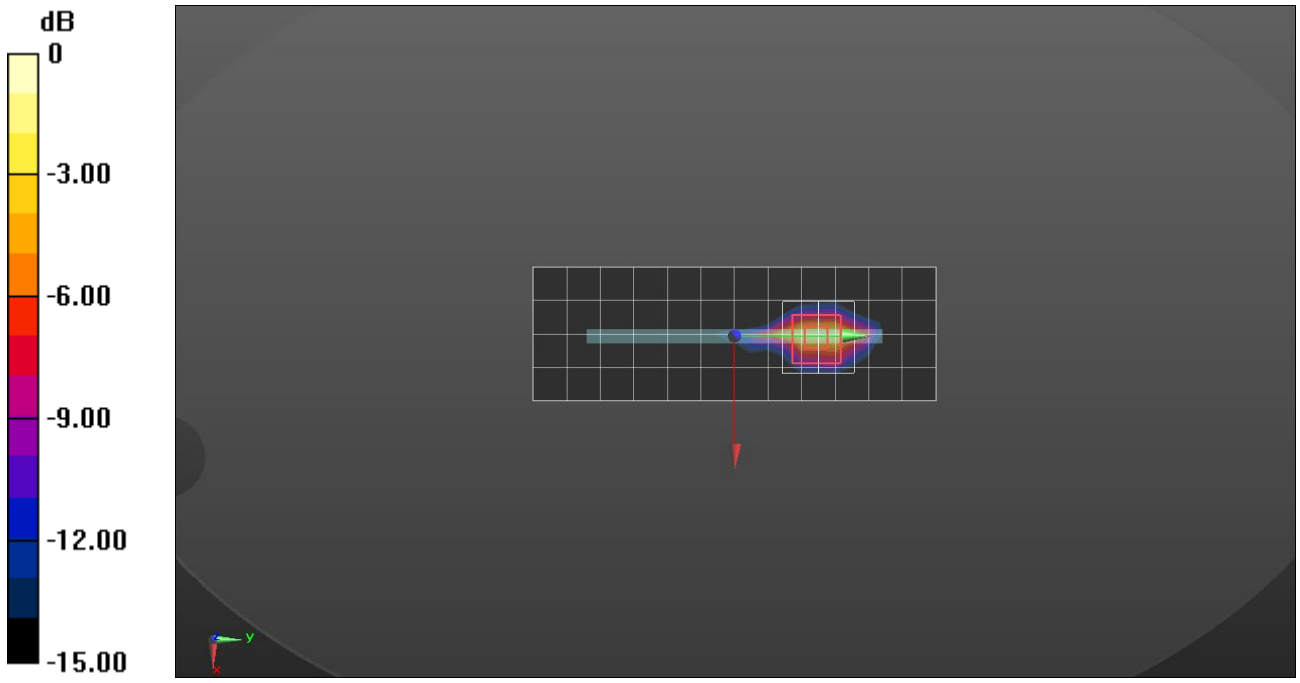
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.61, 8.53, 8.73) @ 1745 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 50/0 ch.132322/Area Scan (13x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.91 W/kg

Bottom/QPSK RB 50/0 ch.132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 80.36 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 15.0 W/kg
SAR(1 g) = 5.72 W/kg; SAR(10 g) = 2.4 W/kg
Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 10.9 W/kg = 10.37 dBW/kg

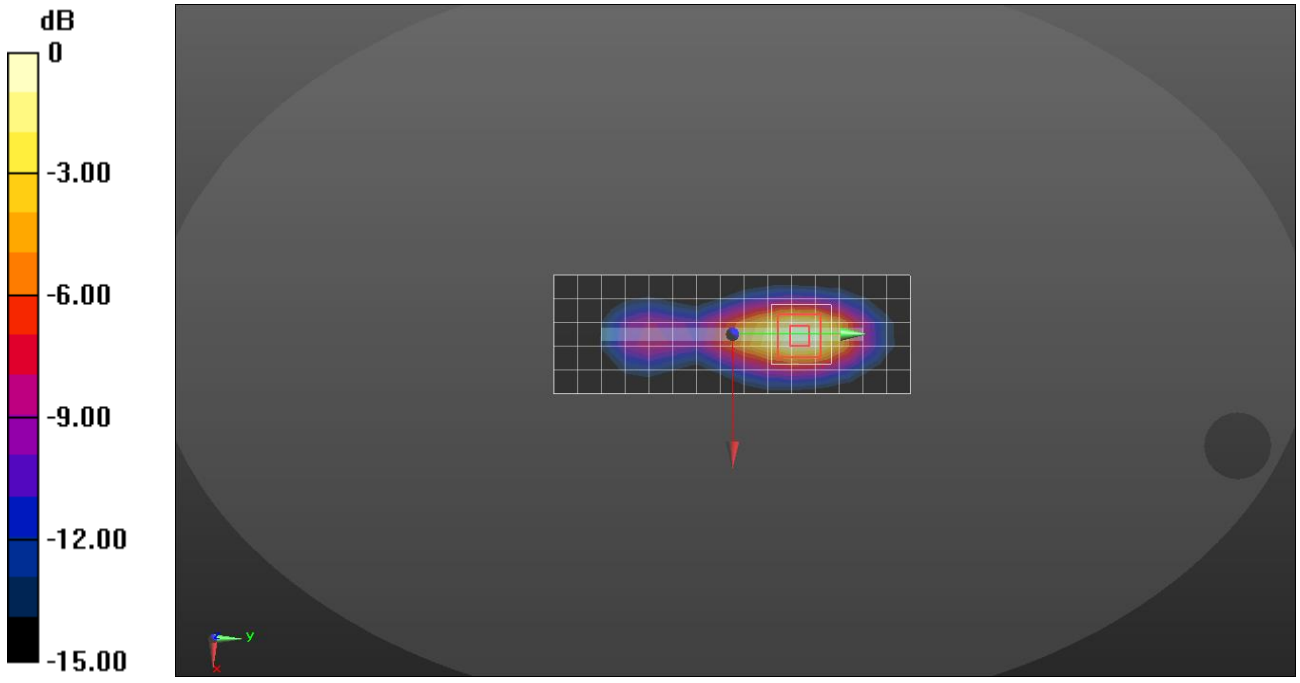
LTE Band 41

Frequency: 2506 MHz; Communication System Channel Number: 39750; Duty Cycle: 1:1.59956
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2506 MHz; σ = 1.855 S/m; ε_r = 39.768; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2506 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 50/50 ch.39750 ULCA/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.572 W/kg

Bottom/QPSK RB 50/50 ch.39750 ULCA/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.42 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.196 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 44.6%
Maximum value of SAR (measured) = 0.778 W/kg



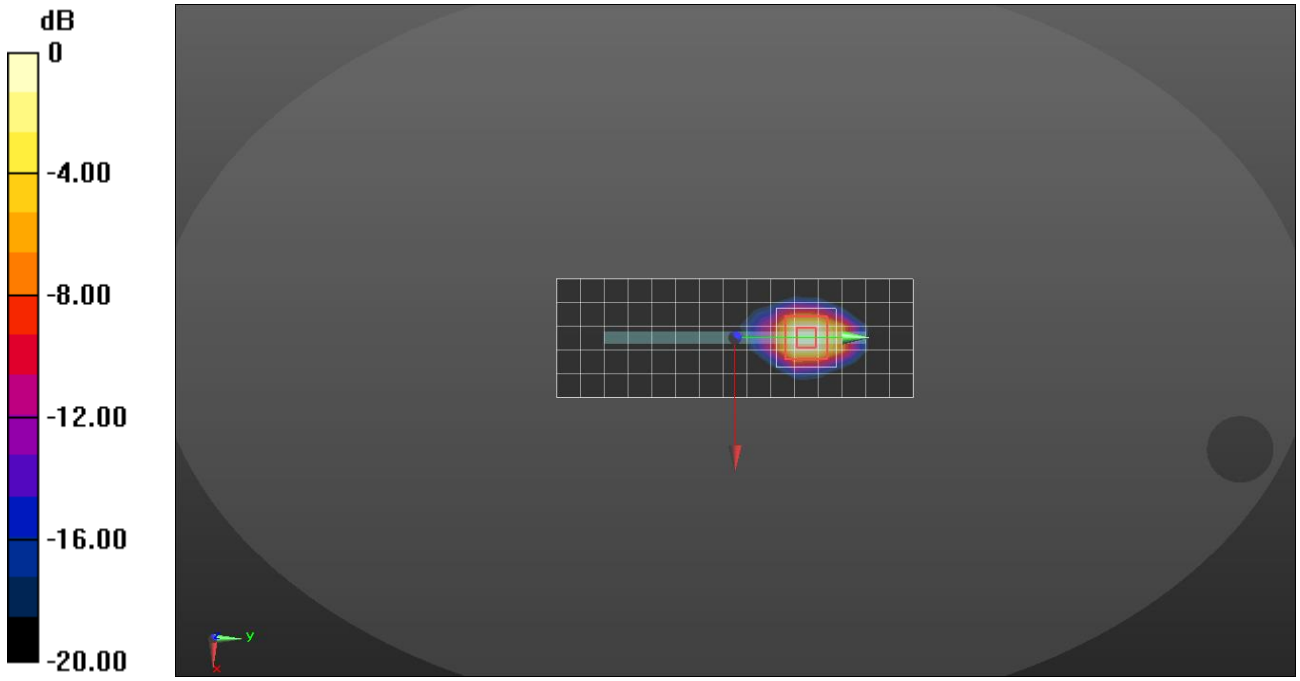
0 dB = 0.572 W/kg = −2.43 dBW/kg

LTE Band 41

Frequency: 2636.5 MHz; Communication System Channel Number: 41055; Duty Cycle: 1:1.59956
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2636.5 MHz; σ = 1.963 S/m; ε_r = 39.623; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2636.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 50/0 ch.41055 ULCA/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.45 W/kg

Bottom/QPSK RB 50/0 ch.41055 ULCA/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 67.28 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 20.5 W/kg
SAR(1 g) = 5.49 W/kg; SAR(10 g) = 1.85 W/kg
Smallest distance from peaks to all points 3 dB below = 4.1 mm
Ratio of SAR at M2 to SAR at M1 = 25.1%
Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 4.45 W/kg = 6.48 dBW/kg

LTE Band 41 Upper

Frequency: 2680 MHz; Communication System Channel Number: 41490; Duty Cycle: 1:1.59956
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 2680 MHz; σ = 2 S/m; ε_r = 39.539; ρ = 1000 kg/m^3

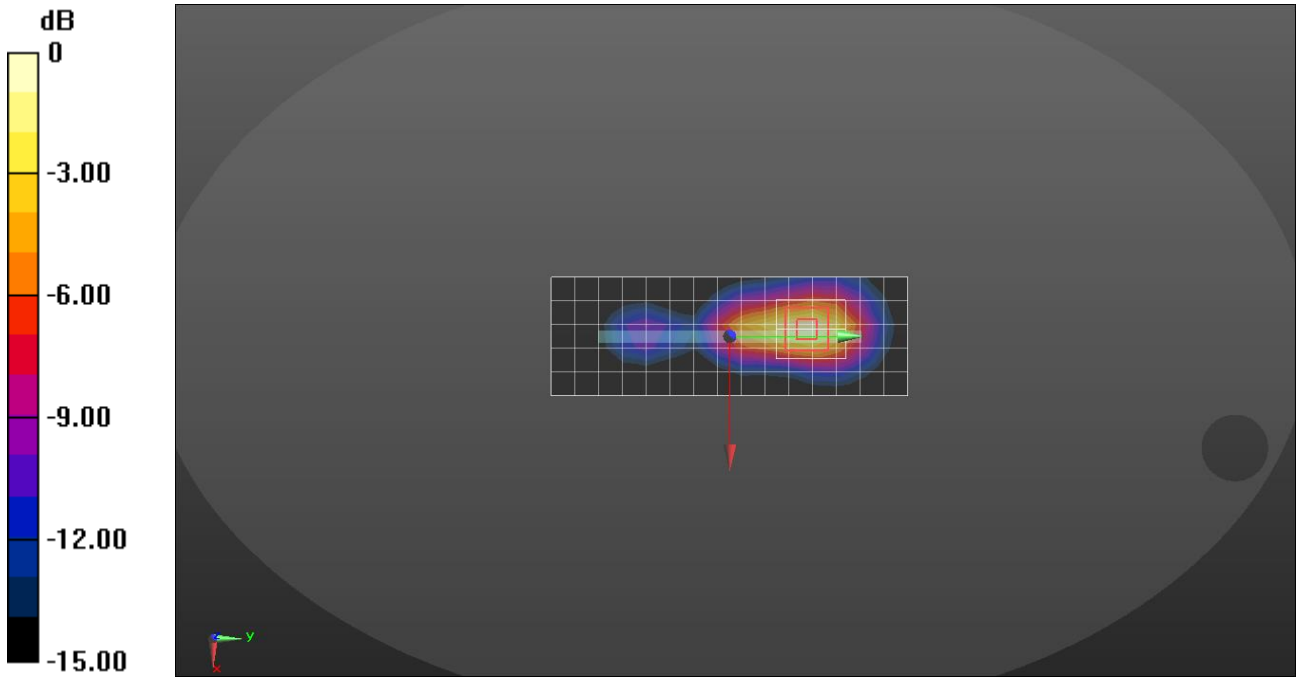
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2680 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top DSI0 10mm/QPSK RB 50/0 ch 41490 ULCA SCC 41292 50/50/Area Scan (6x16x1):

Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.37 W/kg

Top DSI0 10mm/QPSK RB 50/0 ch 41490 ULCA SCC 41292 50/50/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.51 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 0.853 W/kg; SAR(10 g) = 0.380 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 44%
Maximum value of SAR (measured) = 1.51 W/kg



0 dB = 1.37 W/kg = 1.37 dBW/kg

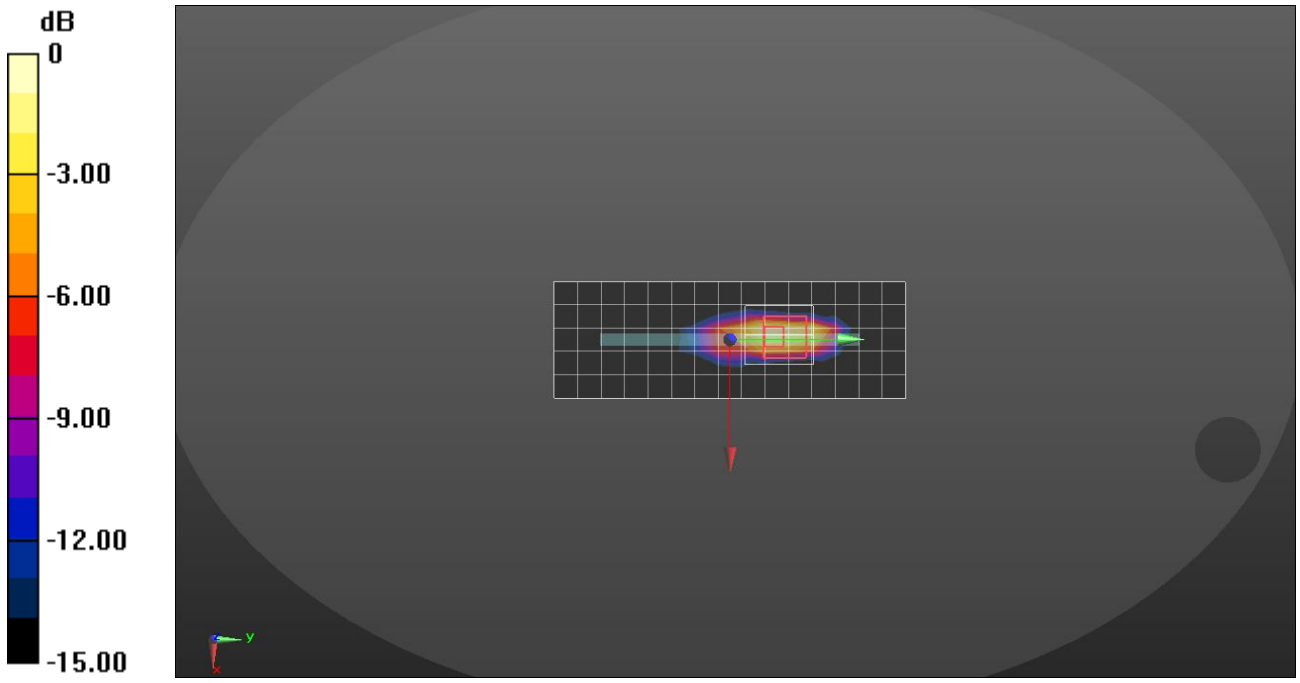
LTE Band 41 Upper

Frequency: 2549.5 MHz; Communication System Channel Number: 40185; Duty Cycle: 1:1.59956
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 2550 MHz; σ = 1.889 S/m; ε_r = 39.725; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2549.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/QPSK RB 50/50 ch.40185/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 7.98 W/kg

Top/QPSK RB 50/50 ch.40185/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 74.84 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 33.8 W/kg
SAR(1 g) = 7.25 W/kg; SAR(10 g) = 2.42 W/kg
Maximum value of SAR (measured) = 19.0 W/kg



0 dB = 7.98 W/kg = 9.02 dBW/kg

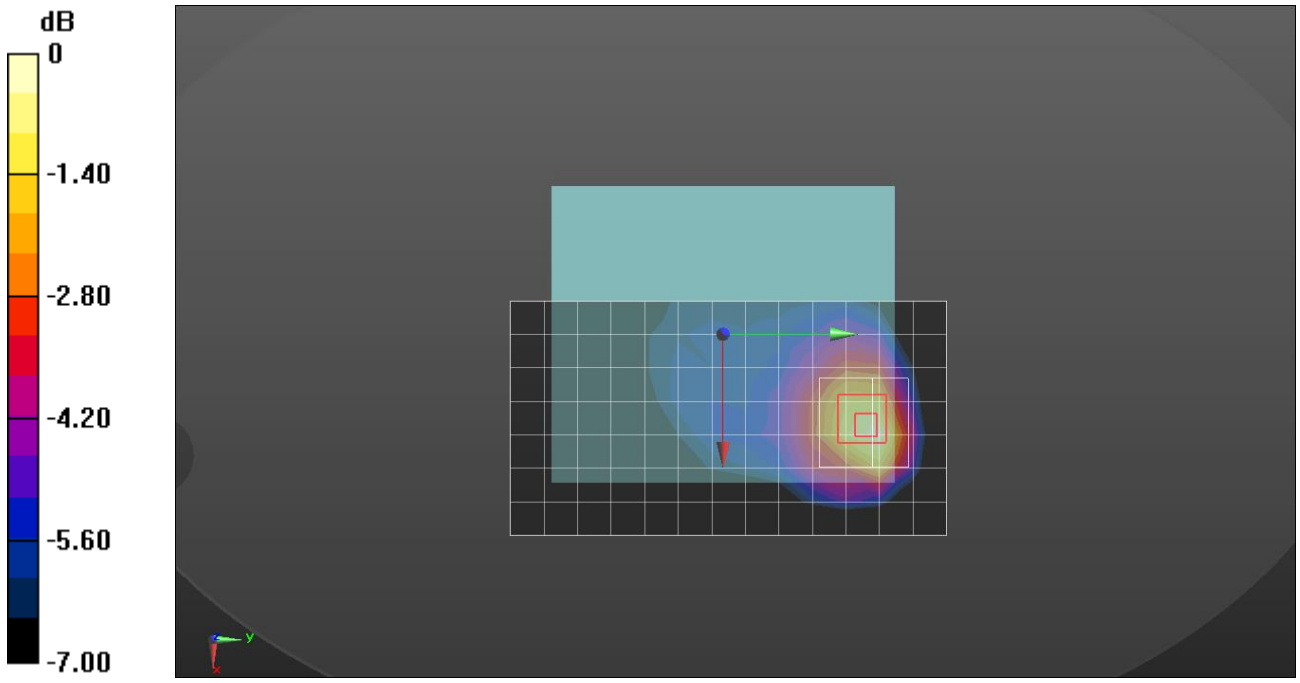
NR Band n5

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.939 S/m; ε_r = 40.889; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(9.64, 9.4, 9.98) @ 836.5 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/1 ch.167300/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.784 W/kg

Rear/QPSK RB 1/1 ch.167300/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.07 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.944 W/kg
SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.355 W/kg
Maximum value of SAR (measured) = 0.807 W/kg



0 dB = 0.807 W/kg = −0.93 dBW/kg

NR Band n5

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.923 S/m; ε_r = 40.66; ρ = 1000 kg/m^3

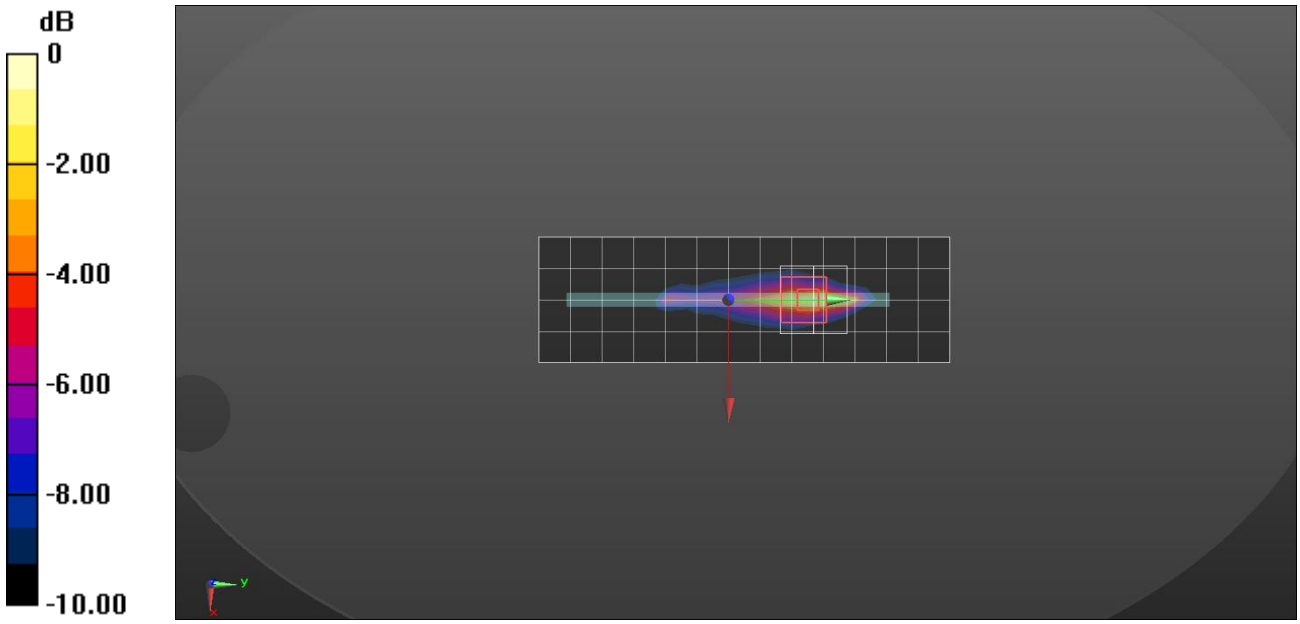
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(9.64, 9.4, 9.98) @ 836.5 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/QPSK RB 50/28 ch.167300/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 6.88 W/kg

Right/QPSK RB 50/28 ch.167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 70.77 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 10.6 W/kg
SAR(1 g) = 3.17 W/kg; SAR(10 g) = 1.35 W/kg
Maximum value of SAR (measured) = 7.75 W/kg



0 dB = 7.75 W/kg = 8.89 dBW/kg

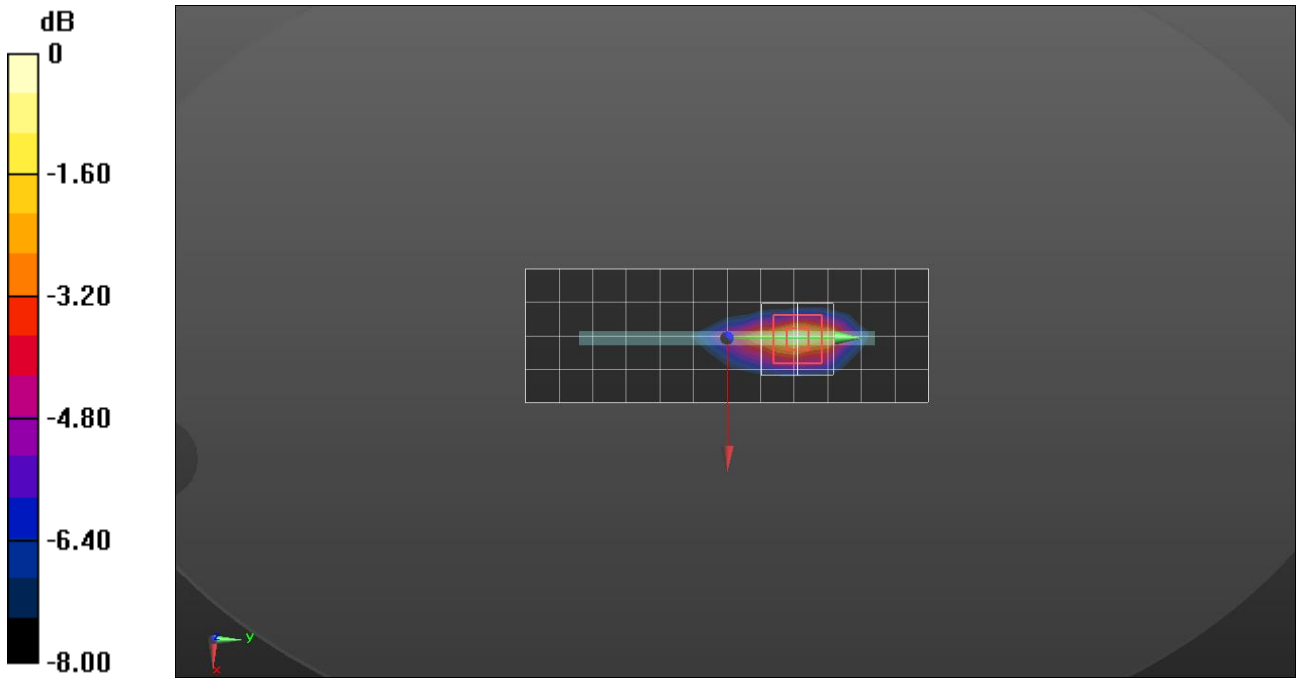
NR Band n66

Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.372 S/m; ε_r = 39.145; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.61, 8.53, 8.73) @ 1745 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 108/54 ch.349000/Area Scan (13x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.869 W/kg

Bottom/QPSK RB 108/54 ch.349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.04 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.296 W/kg
Maximum value of SAR (measured) = 0.889 W/kg



0 dB = 0.889 W/kg = −0.51 dBW/kg

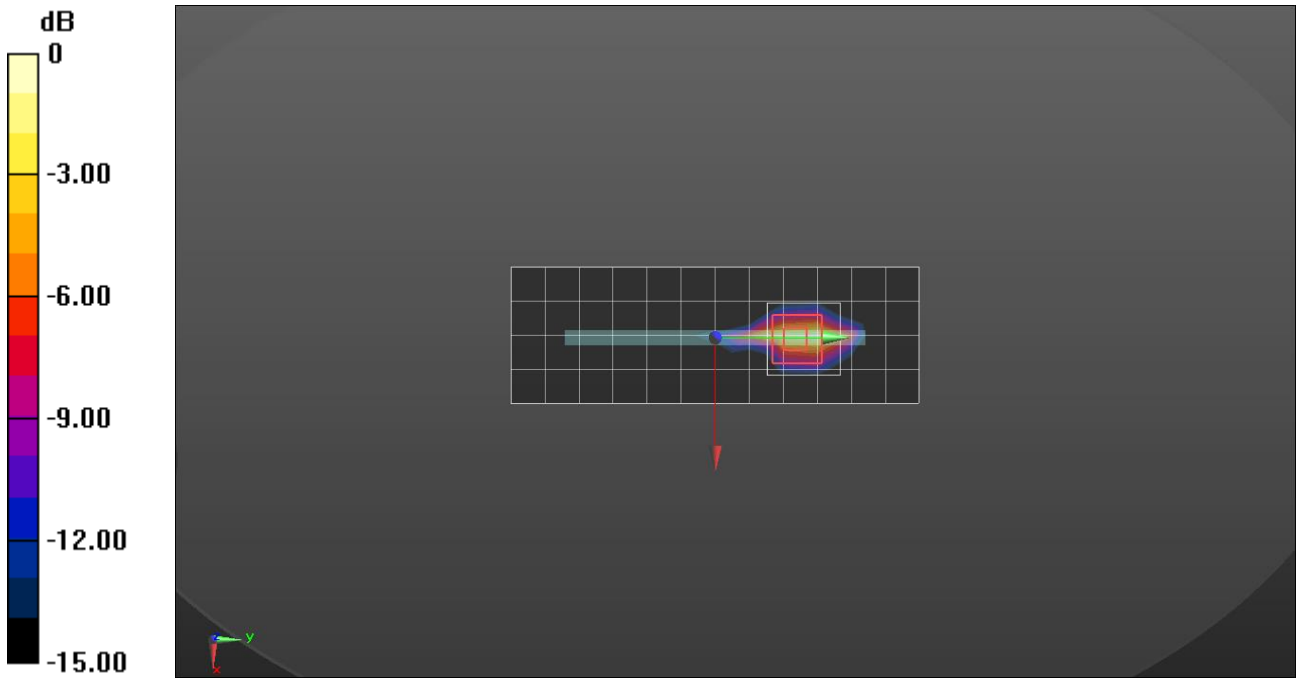
NR Band n66

Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.372 S/m; ε_r = 39.145; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.61, 8.53, 8.73) @ 1745 MHz; Calibrated: 4/22/2024
- Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 216/0 ch.349000/Area Scan (13x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 12.0 W/kg

Bottom/QPSK RB 216/0 ch.349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 75.73 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 5.21 W/kg; SAR(10 g) = 2.22 W/kg
Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

NR Band n41 Upper

Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:4.00037
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.914 S/m; ε_r = 38.955; ρ = 1000 kg/m^3

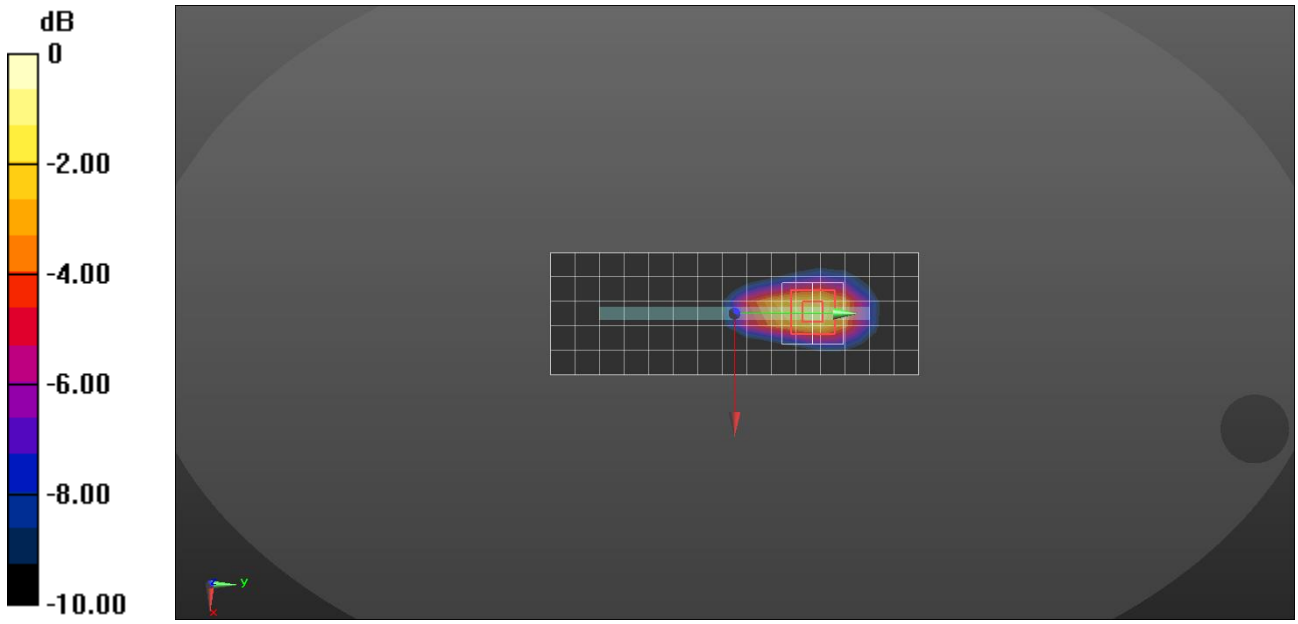
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2592.99 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/QPSK RB 135/69 ch.518598/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.921 W/kg

Top/QPSK RB 135/69 ch.518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.61 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.708 W/kg; SAR(10 g) = 0.327 W/kg
Maximum value of SAR (measured) = 1.22 W/kg



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

NR Band n41 Upper

Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:4.00037
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.914 S/m; ε_r = 38.955; ρ = 1000 kg/m^3

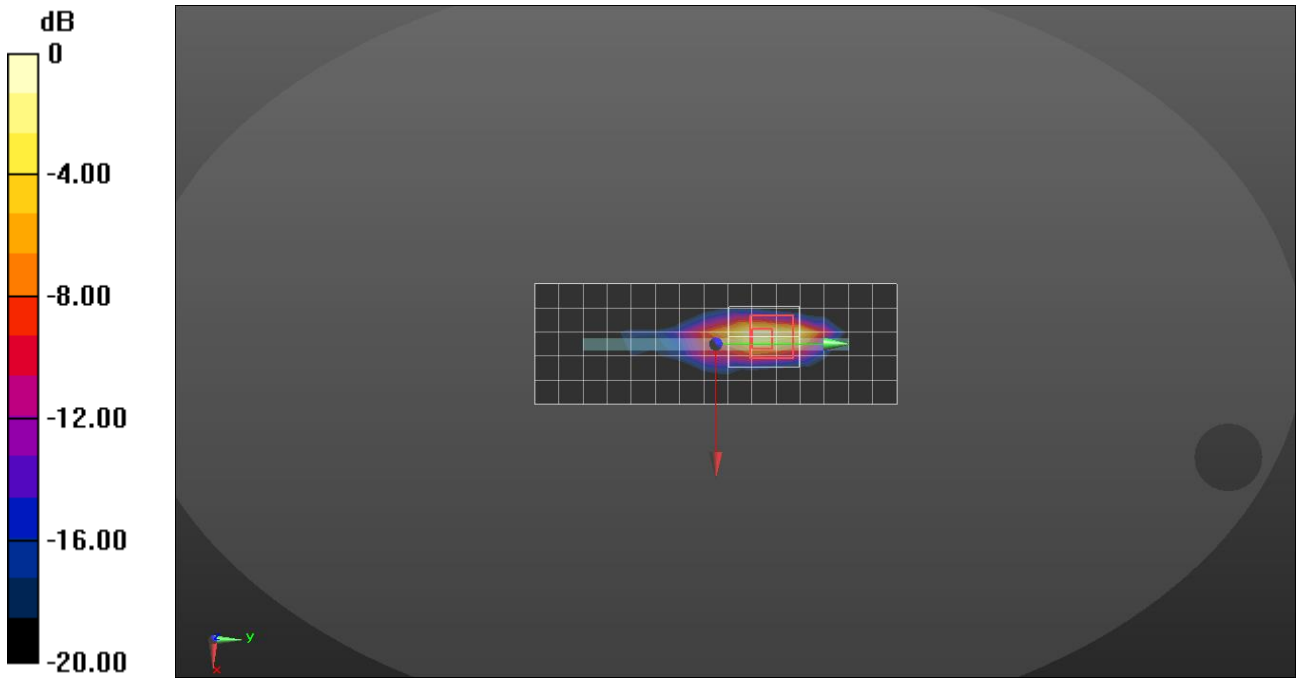
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2592.99 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/QPSK RB 1/1 ch.518598/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 13.9 W/kg

Top/QPSK RB 1/1 ch.518598/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.88 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 50.0 W/kg
SAR(1 g) = 9.01 W/kg; SAR(10 g) = 2.84 W/kg
Maximum value of SAR (measured) = 26.5 W/kg



0 dB = 13.9 W/kg = 11.43 dBW/kg

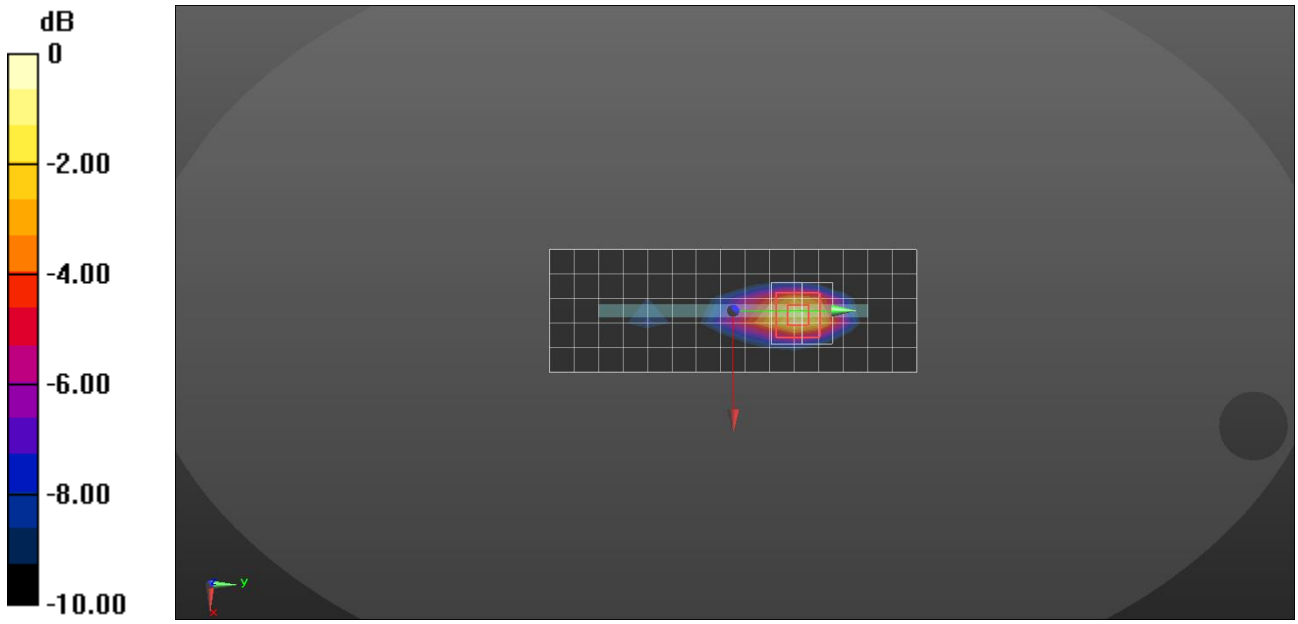
NR Band n41

Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:4.00037
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.926 S/m; ε_r = 39.677; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2592.99 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 135/69 ch.518598/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.944 W/kg

Bottom/QPSK RB 135/69 ch.518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.77 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.641 W/kg; SAR(10 g) = 0.278 W/kg
Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg = 0.61 dBW/kg

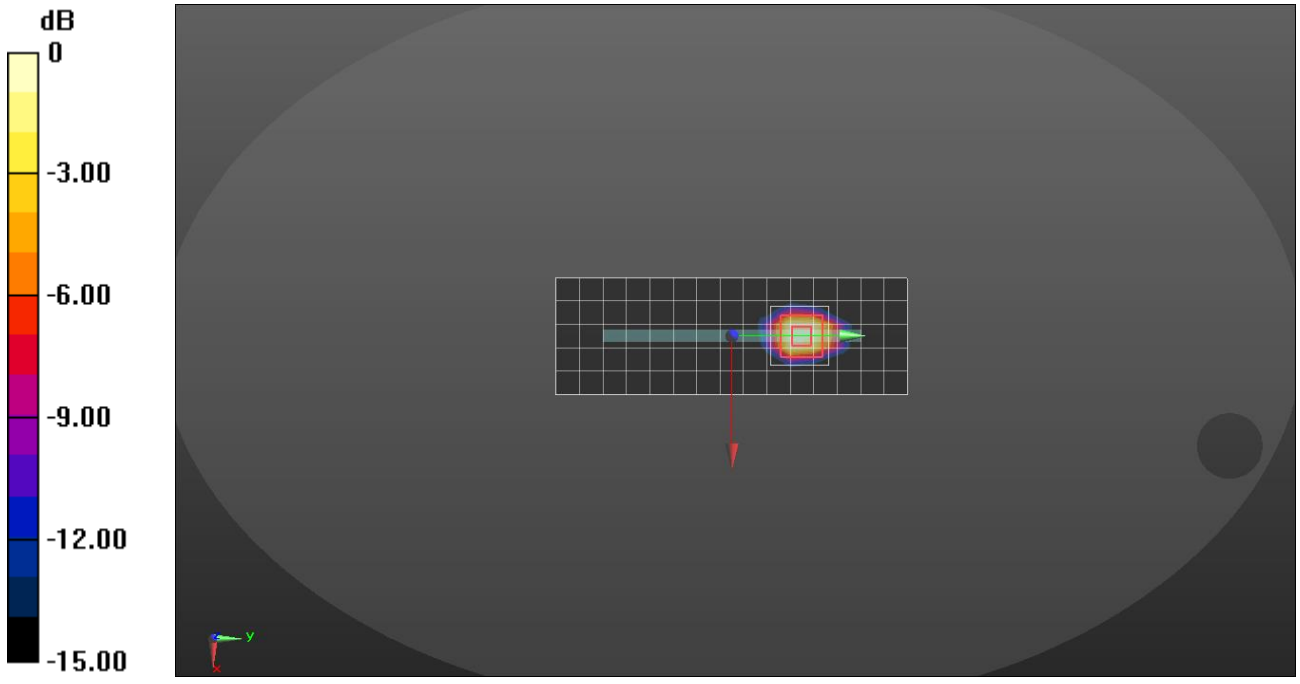
NR Band n41

Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:4.00037
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.914 S/m; ε_r = 38.955; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2592.99 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 270/0 ch.518598/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.99 W/kg

Bottom/QPSK RB 270/0 ch.518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 80.96 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 34.4 W/kg
SAR(1 g) = 7.5 W/kg; SAR(10 g) = 2.41 W/kg
Maximum value of SAR (measured) = 19.2 W/kg



0 dB = 5.99 W/kg = 7.77 dBW/kg

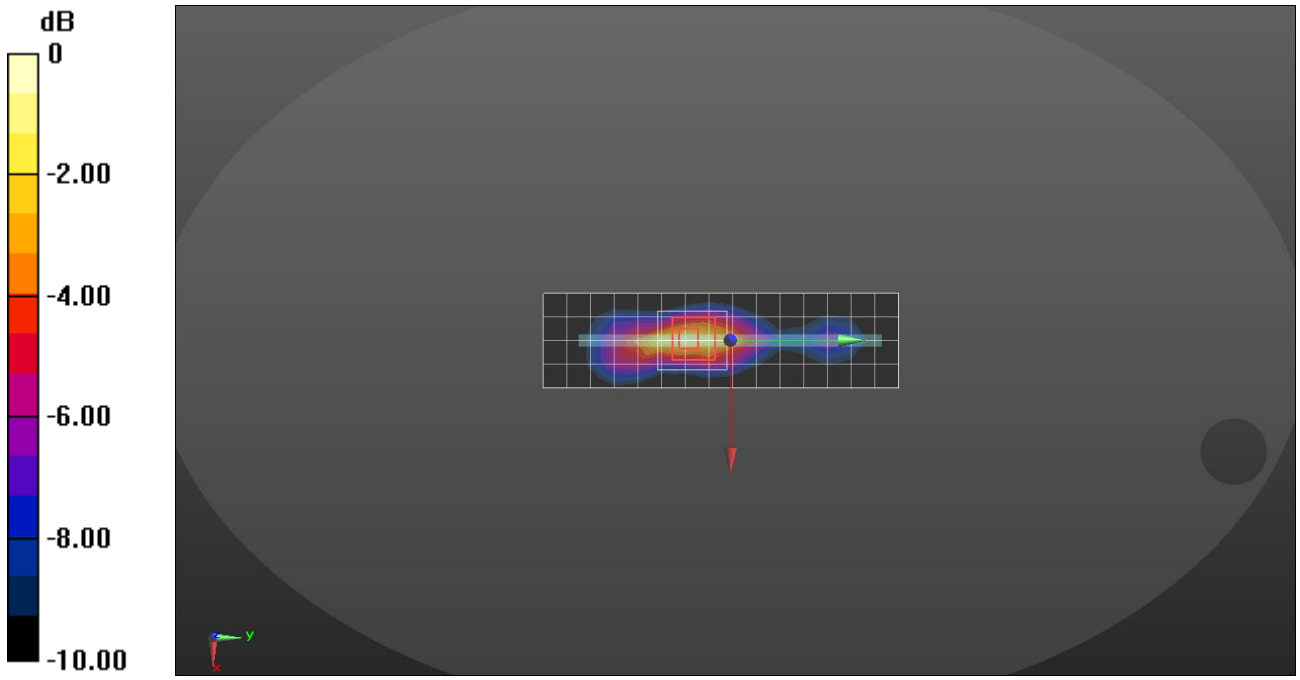
Wi-Fi 2.4GHz

Frequency: 2412 MHz; Communication System Channel Number: 1; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.775 S/m; ε_r = 37.803; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2412 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 b mode ch.1 SISO Ant.1/Area Scan (16x5x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.411 W/kg

Right/802.11 b mode ch.1 SISO Ant.1/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.24 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.547 W/kg
SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.102 W/kg
Maximum value of SAR (measured) = 0.410 W/kg



0 dB = 0.411 W/kg = −3.86 dBW/kg

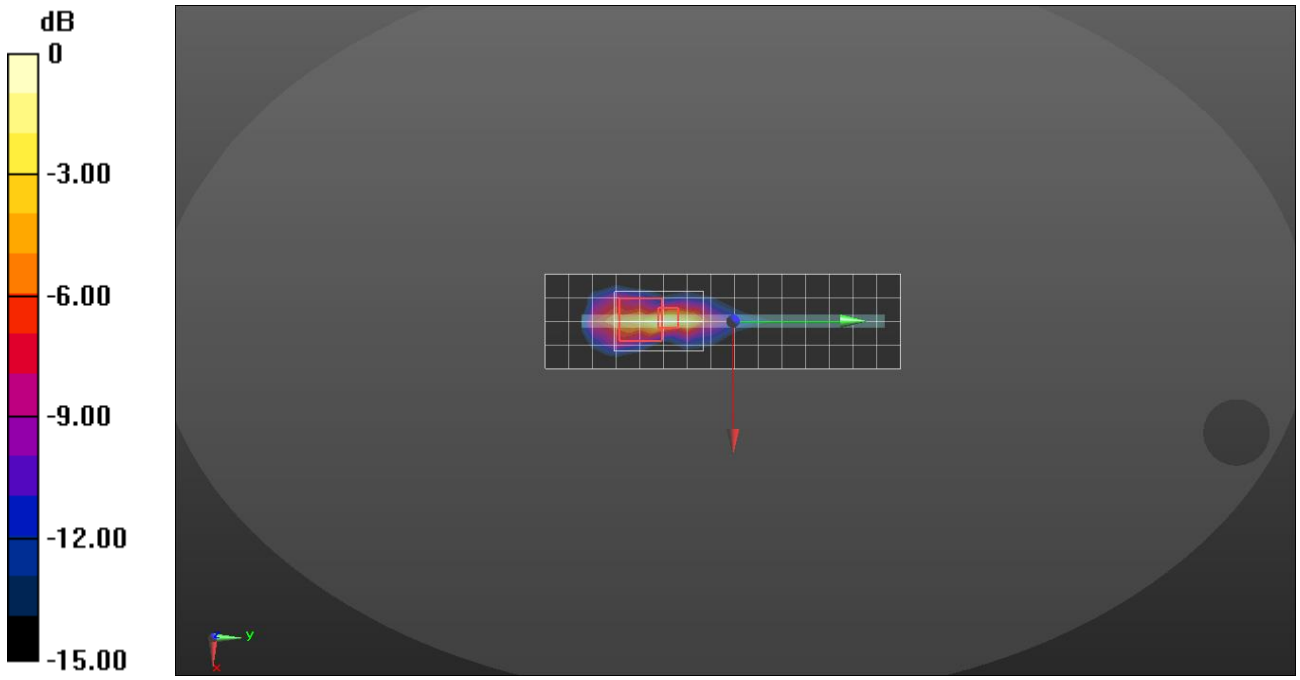
Wi-Fi 2.4GHz

Frequency: 2412 MHz; Communication System Channel Number: 1; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.775 S/m; ε_r = 37.803; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2412 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 b mode ch.1 SISO Ant.1/Area Scan (16x5x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.03 W/kg

Right/802.11 b mode ch.1 SISO Ant.1/Zoom Scan (7x10x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 43.44 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 10.2 W/kg
SAR(1 g) = 2.08 W/kg; SAR(10 g) = 0.722 W/kg
Maximum value of SAR (measured) = 5.71 W/kg



0 dB = 6.03 W/kg = 7.80 dBW/kg

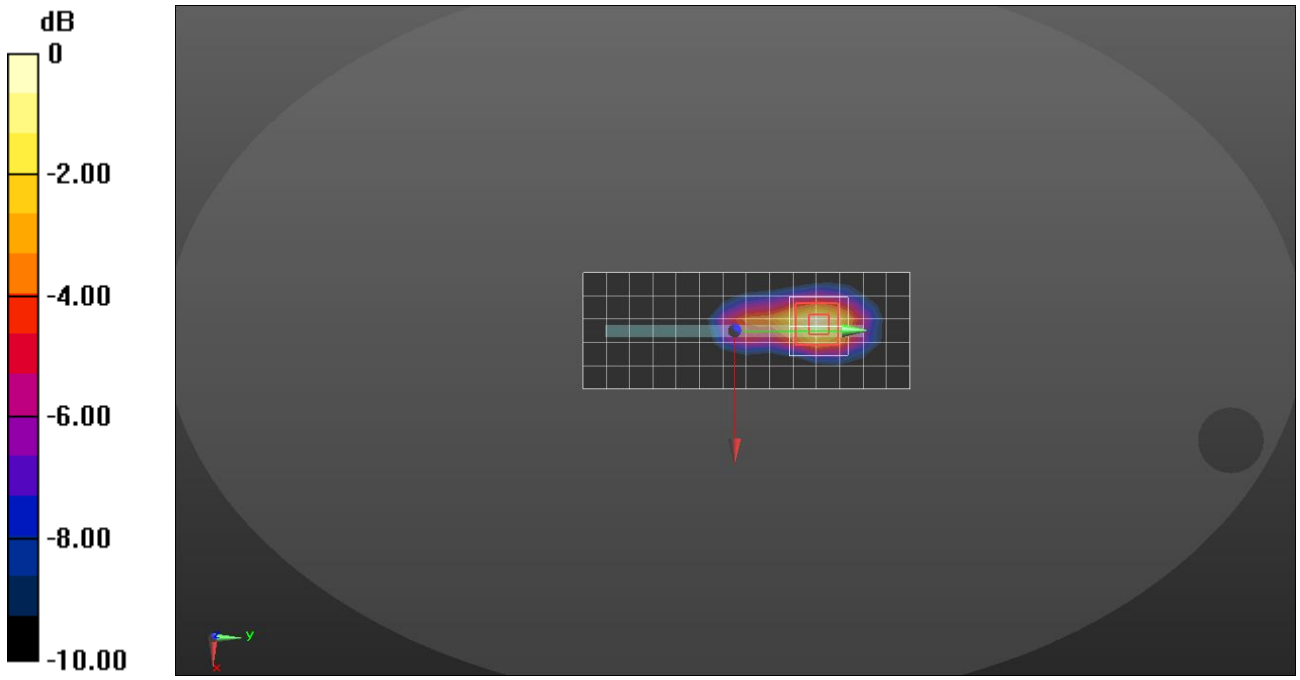
Wi-Fi 2.4GHz

Frequency: 2437 MHz; Communication System Channel Number: 6; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.793 S/m; ε_r = 37.755; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2437 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 b mode ch.6 SISO Ant.2/Area Scan (15x6x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.428 W/kg

Top/802.11 b mode ch.6 SISO Ant.2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.52 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.635 W/kg
SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.127 W/kg
Maximum value of SAR (measured) = 0.482 W/kg



0 dB = 0.428 W/kg = −3.69 dBW/kg

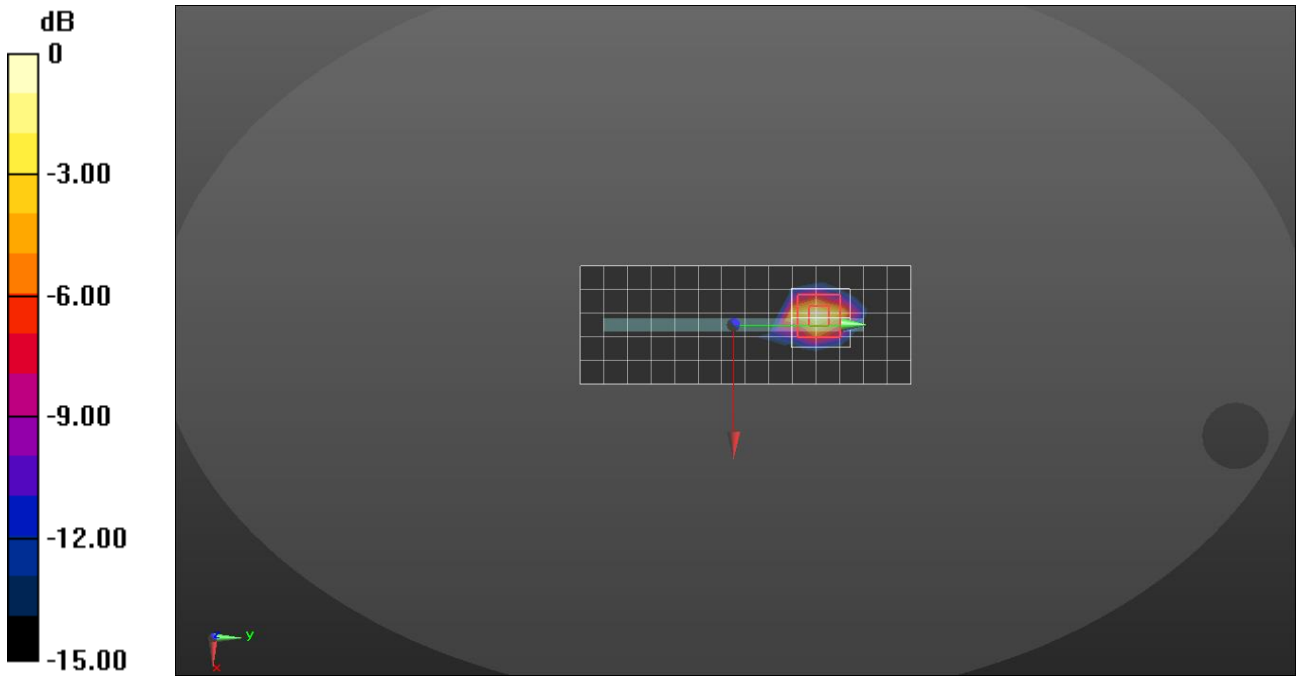
Wi-Fi 2.4GHz

Frequency: 2437 MHz; Communication System Channel Number: 6; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.793 S/m; ε_r = 37.755; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2437 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 b mode ch.6 SISO Ant.2/Area Scan (15x6x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.48 W/kg

Top/802.11 b mode ch.6 SISO Ant.2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.32 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 12.0 W/kg
SAR(1 g) = 3.5 W/kg; SAR(10 g) = 1.27 W/kg
Maximum value of SAR (measured) = 8.21 W/kg



0 dB = 6.48 W/kg = 8.12 dBW/kg

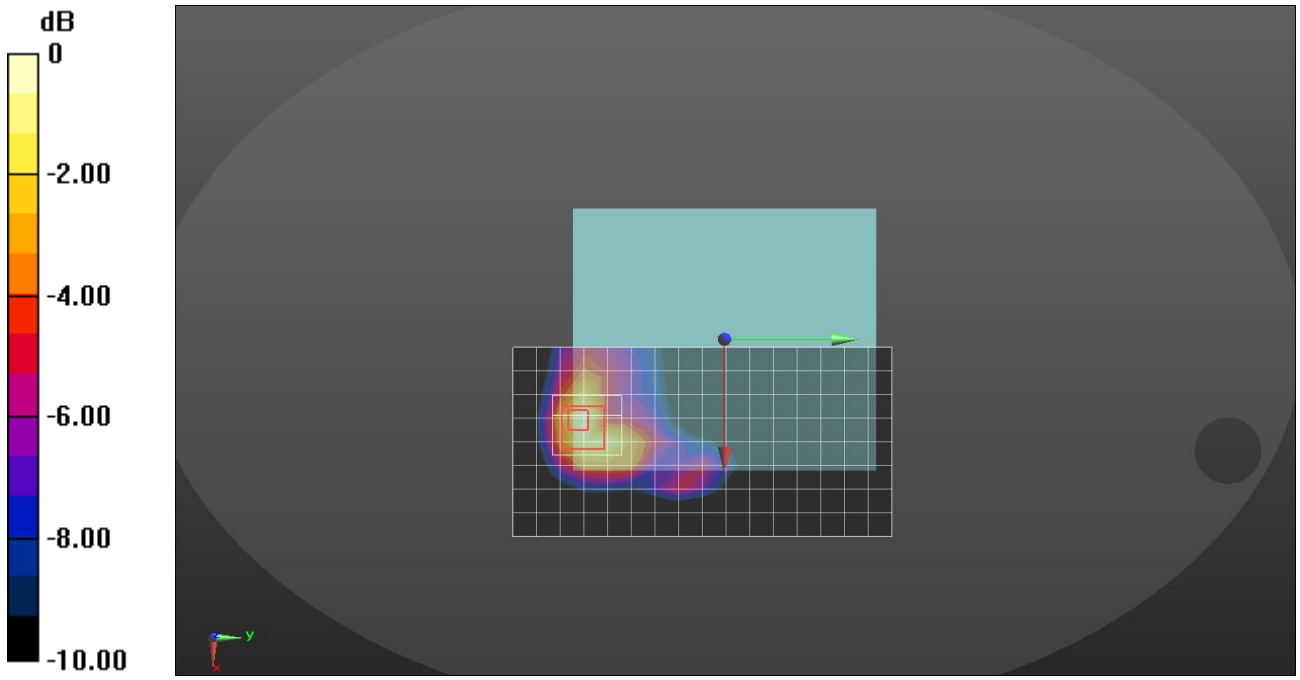
Wi-Fi 2.4GHz

Frequency: 2412 MHz; Communication System Channel Number: 1; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.775 S/m; ε_r = 37.803; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2412 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11 b mode ch.1 MIMO/Area Scan (17x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.590 W/kg

Rear/802.11 b mode ch.1 MIMO/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.70 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.848 W/kg
SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.186 W/kg
Maximum value of SAR (measured) = 0.626 W/kg



0 dB = 0.590 W/kg = −2.29 dBW/kg

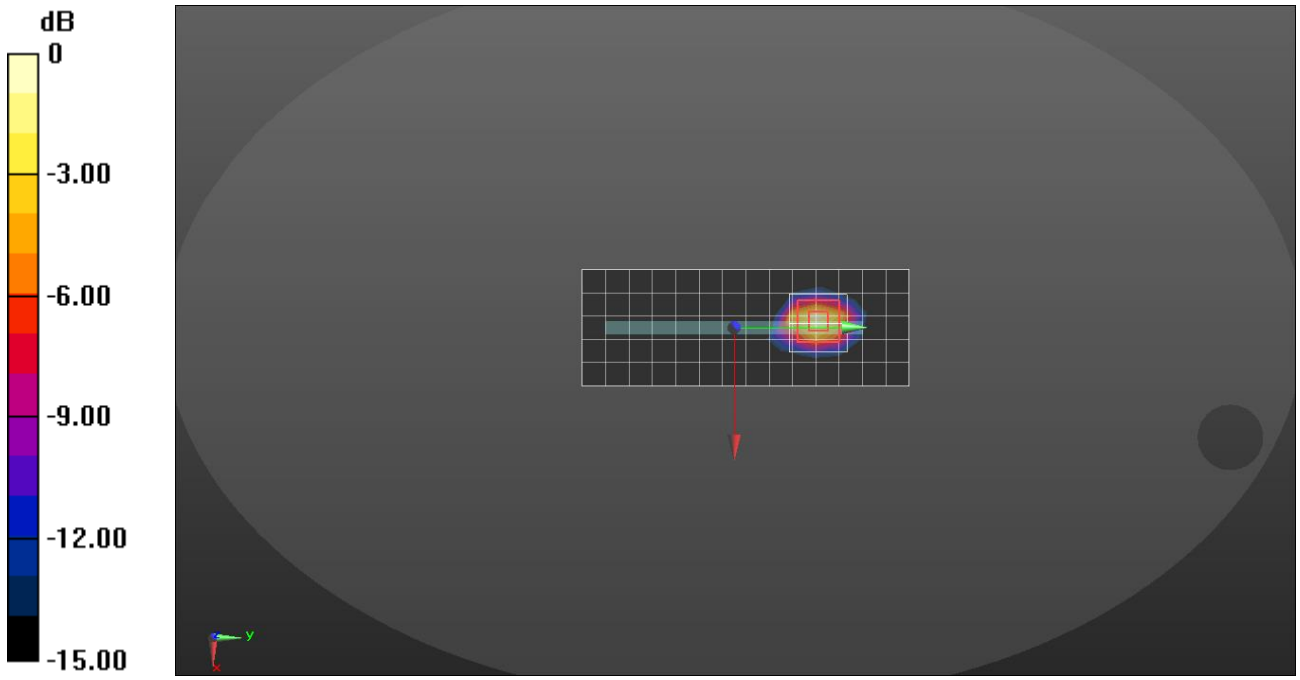
Wi-Fi 2.4GHz

Frequency: 2412 MHz; Communication System Channel Number: 1; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.775 S/m; ε_r = 37.803; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2412 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 b mode ch.1 MIMO/Area Scan (15x6x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 7.15 W/kg

Top/802.11 b mode ch.1 MIMO/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 64.01 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 15.1 W/kg
SAR(1 g) = 4.47 W/kg; SAR(10 g) = 1.61 W/kg
Maximum value of SAR (measured) = 10.4 W/kg



0 dB = 7.15 W/kg = 8.54 dBW/kg

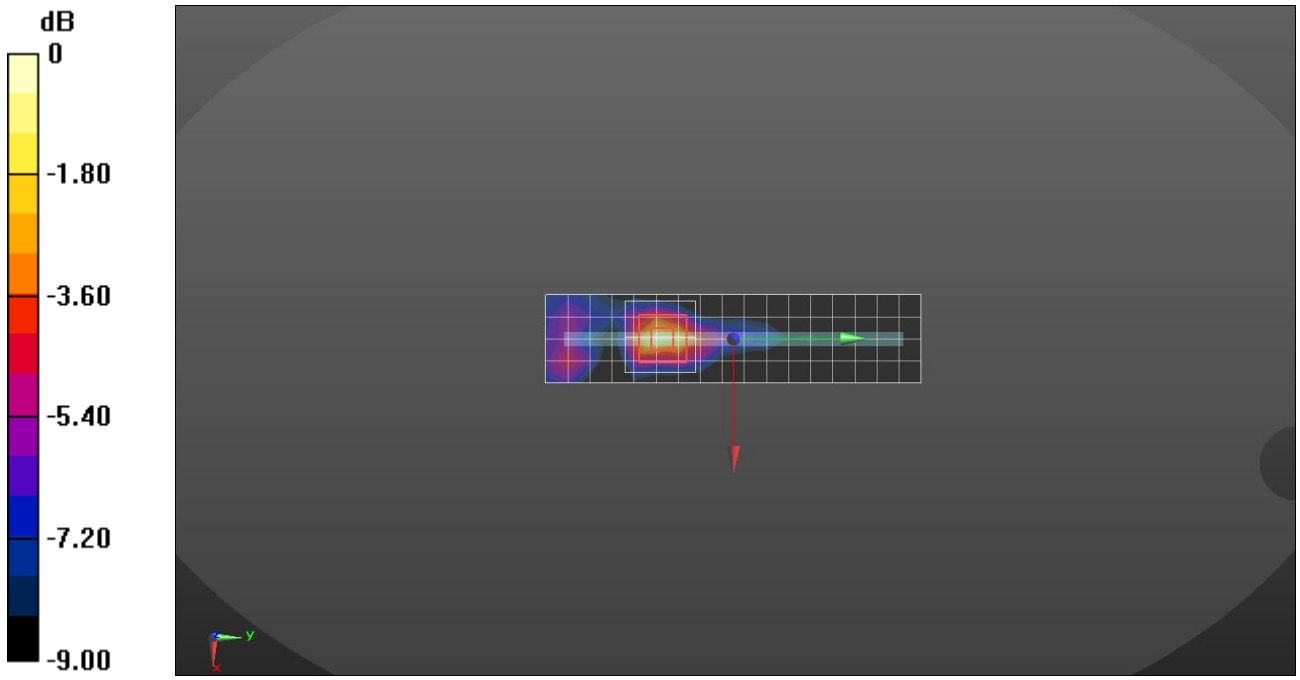
Wi-Fi 5.3GHz

Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.523 S/m; ε_r = 36.689; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(5.05, 5.05, 5.05) @ 5270 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11n mode ch.54 SISO Ant.1/Area Scan (18x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.792 W/kg

Right/802.11n mode ch.54 SISO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 15.29 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.115 W/kg
Maximum value of SAR (measured) = 0.853 W/kg



0 dB = 0.792 W/kg = −1.01 dBW/kg

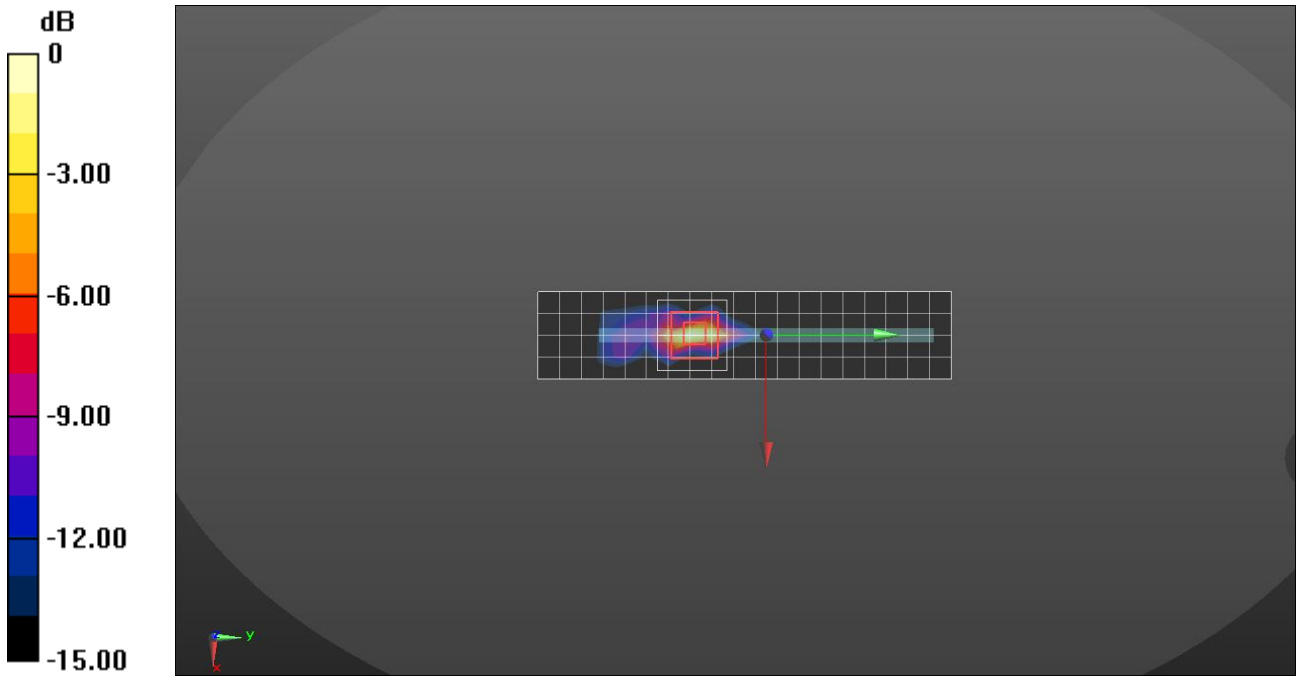
Wi-Fi 5.3GHz

Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.523 S/m; ε_r = 36.689; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(5.05, 5.05, 5.05) @ 5270 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11n mode ch.54 SISO Ant.1/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 14.6 W/kg

Right/802.11n mode ch.54 SISO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 69.77 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 46.1 W/kg
SAR(1 g) = 4.58 W/kg; SAR(10 g) = 1.15 W/kg
Maximum value of SAR (measured) = 17.7 W/kg



0 dB = 14.6 W/kg = 11.64 dBW/kg

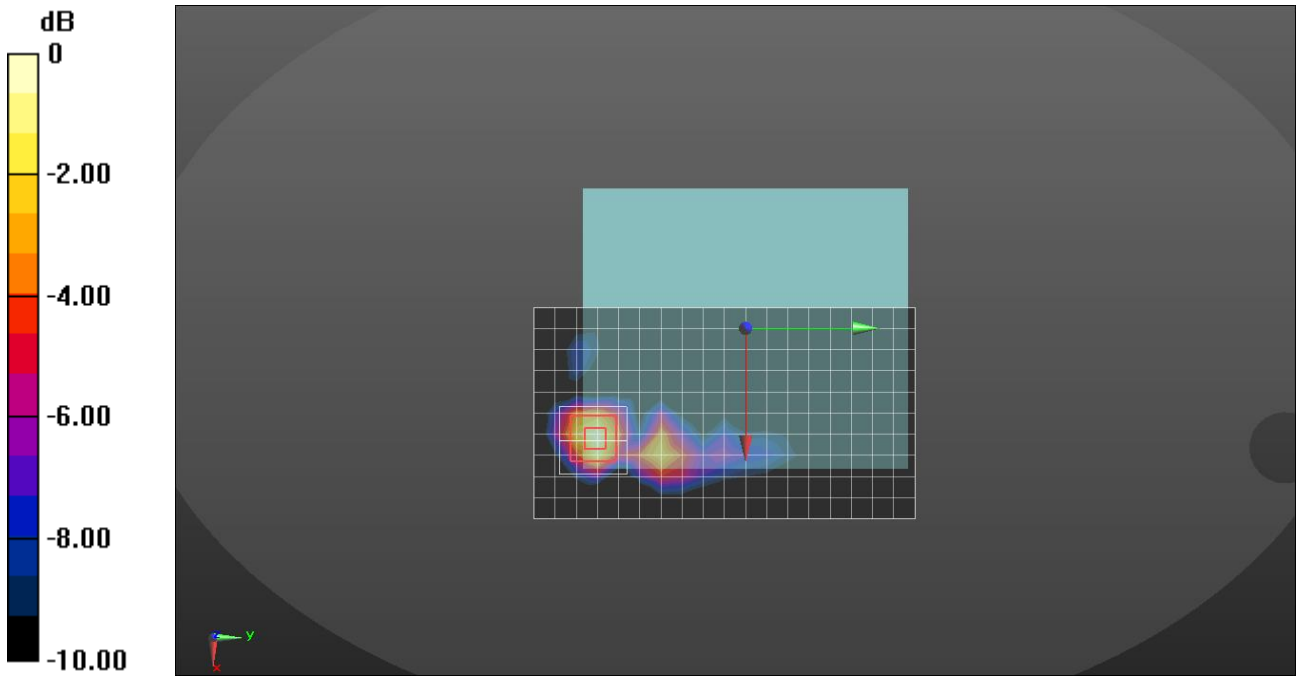
Wi-Fi 5.3GHz

Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.523 S/m; ε_r = 36.689; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(5.05, 5.05, 5.05) @ 5270 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11n mode ch.54 SISO Ant.2/Area Scan (19x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.604 W/kg

Rear/802.11n mode ch.54 SISO Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.03 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.104 W/kg
Maximum value of SAR (measured) = 0.629 W/kg



0 dB = 0.604 W/kg = −2.19 dBW/kg

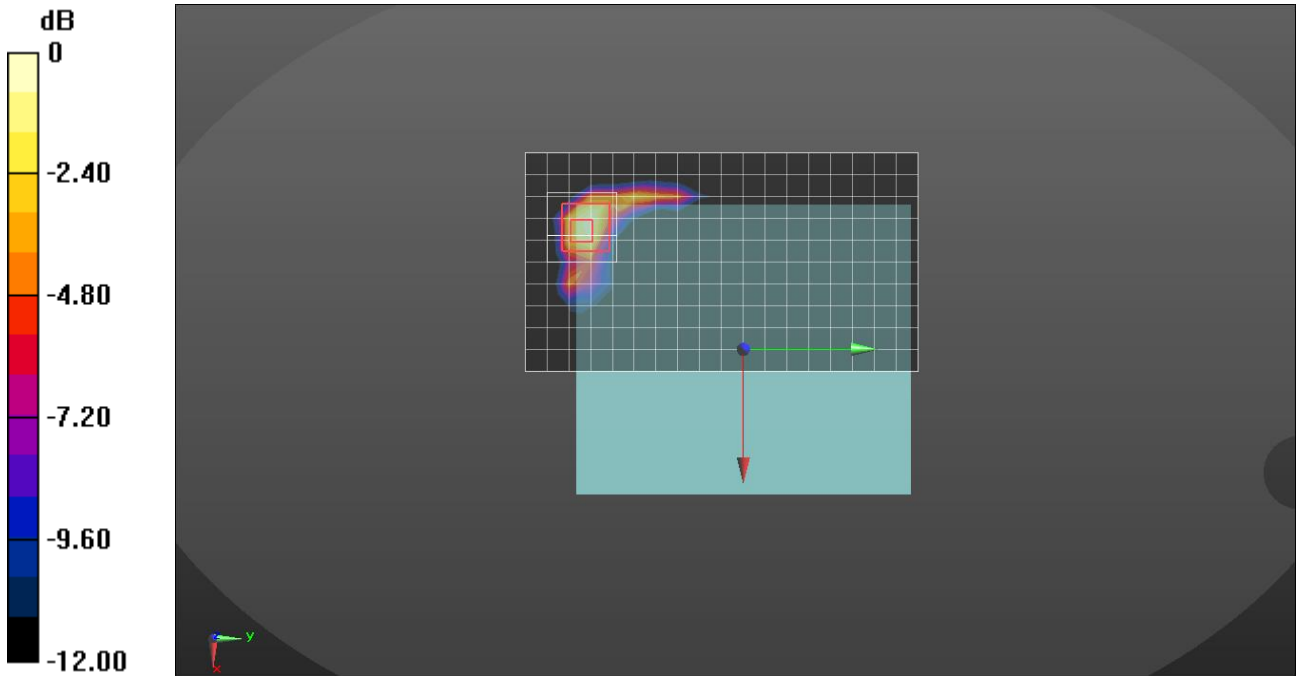
Wi-Fi 5.3GHz

Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.523 S/m; ε_r = 36.689; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(5.05, 5.05, 5.05) @ 5270 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11n mode ch.54 SISO Ant.2/Area Scan (19x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 5.22 W/kg

Front/802.11n mode ch.54 SISO Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 45.16 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 17.9 W/kg
SAR(1 g) = 2.96 W/kg; SAR(10 g) = 0.843 W/kg
Maximum value of SAR (measured) = 8.82 W/kg



0 dB = 5.22 W/kg = 7.18 dBW/kg

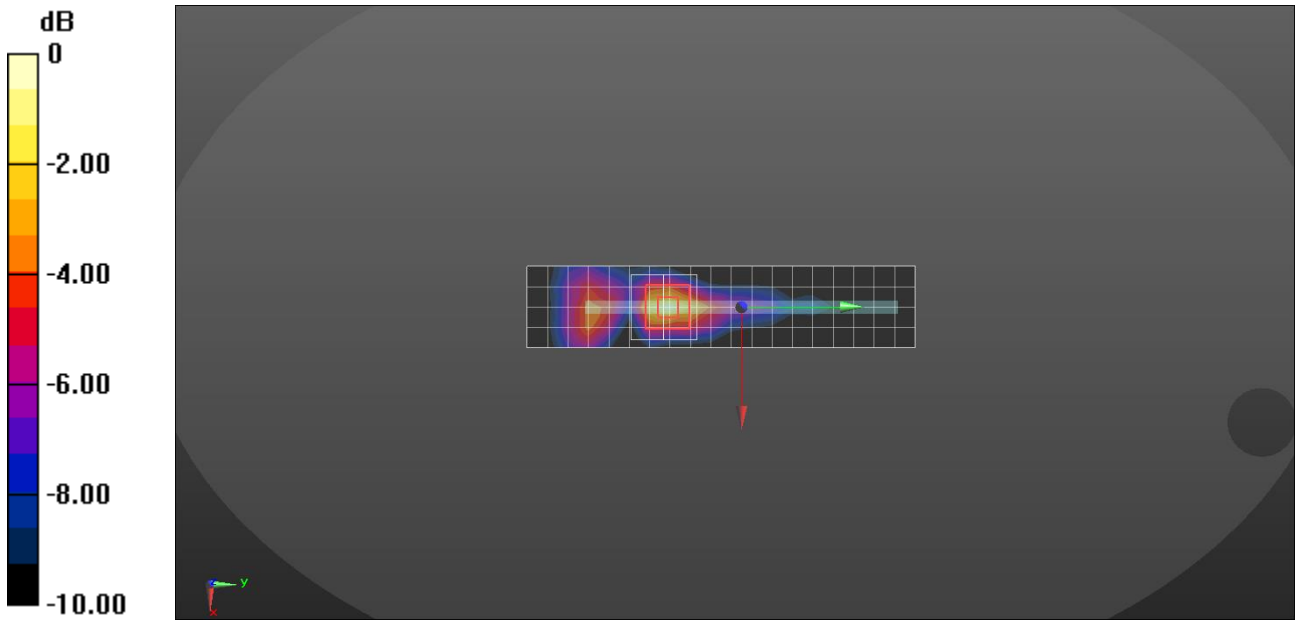
Wi-Fi 5.3GHz

Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.523 S/m; ε_r = 36.689; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(5.05, 5.05, 5.05) @ 5270 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11n mode ch.54 MIMO/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.21 W/kg

Right/802.11n mode ch.54 MIMO/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 18.23 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.07 W/kg
SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.183 W/kg
Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg = 0.90 dBW/kg

Wi-Fi 5.3GHz

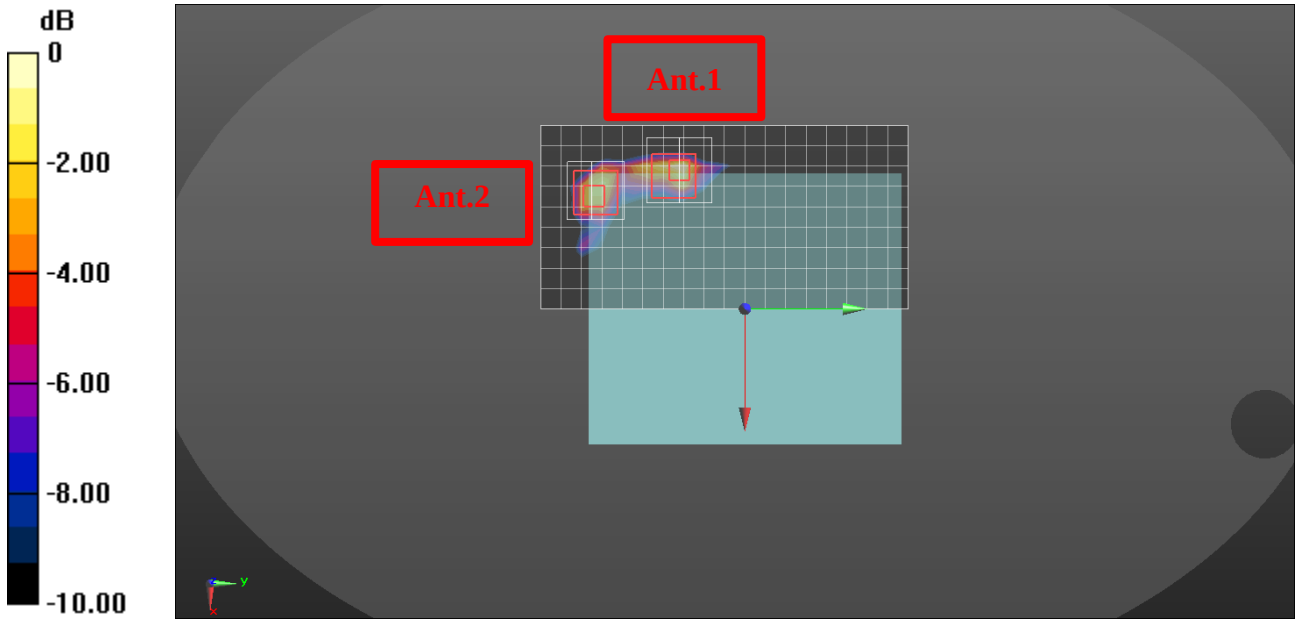
Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.523 S/m; ε_r = 36.689; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(5.05, 5.05, 5.05) @ 5270 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11n mode ch.54 MIMO/Area Scan (19x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 13.2 W/kg

Front/802.11n mode ch.54 MIMO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 71.22 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 38.6 W/kg
SAR(1 g) = 5.48 W/kg; SAR(10 g) = 1.46 W/kg
Maximum value of SAR (measured) = 18.9 W/kg

Front/802.11n mode ch.54 MIMO Ant.2/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 71.22 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 23.0 W/kg
SAR(1 g) = 4.31 W/kg; SAR(10 g) = 1.29 W/kg
Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 11.3 W/kg = 10.53 dBW/kg

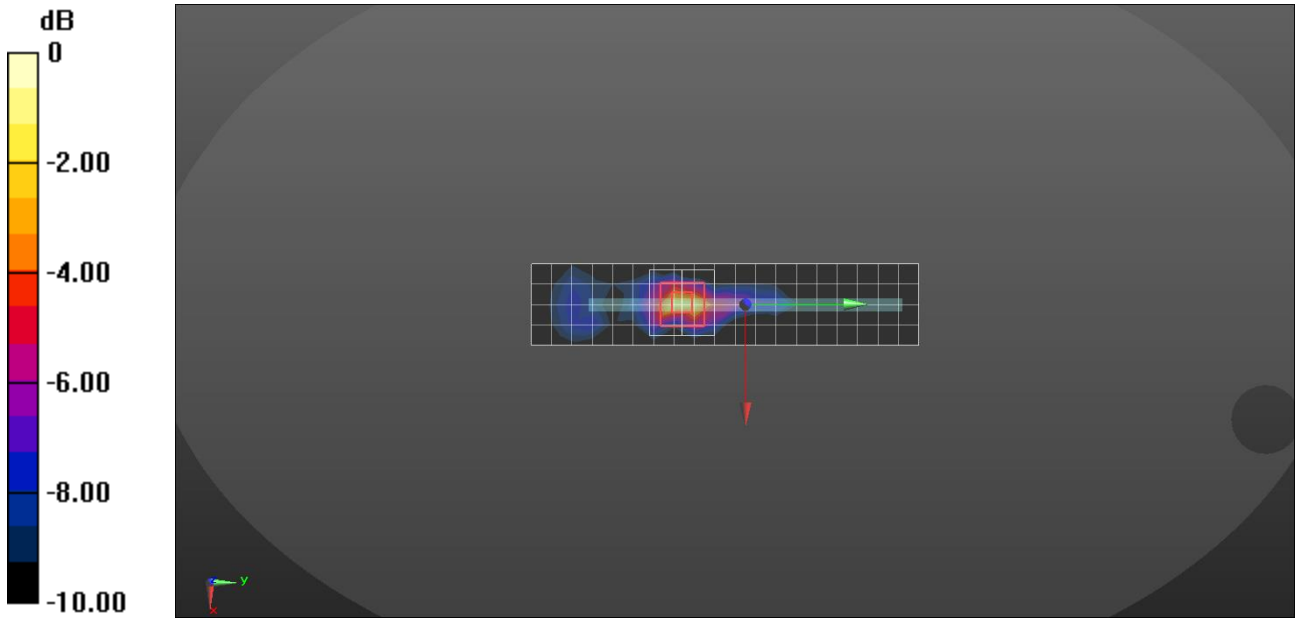
Wi-Fi 5.5GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.889 S/m; ε_r = 36.124; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(4.58, 4.58, 4.58) @ 5610 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11ac mode ch.122 SISO Ant.1/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.562 W/kg

Right/802.11ac mode ch.122 SISO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.16 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.075 W/kg
Maximum value of SAR (measured) = 0.703 W/kg



0 dB = 0.703 W/kg = −1.53 dBW/kg

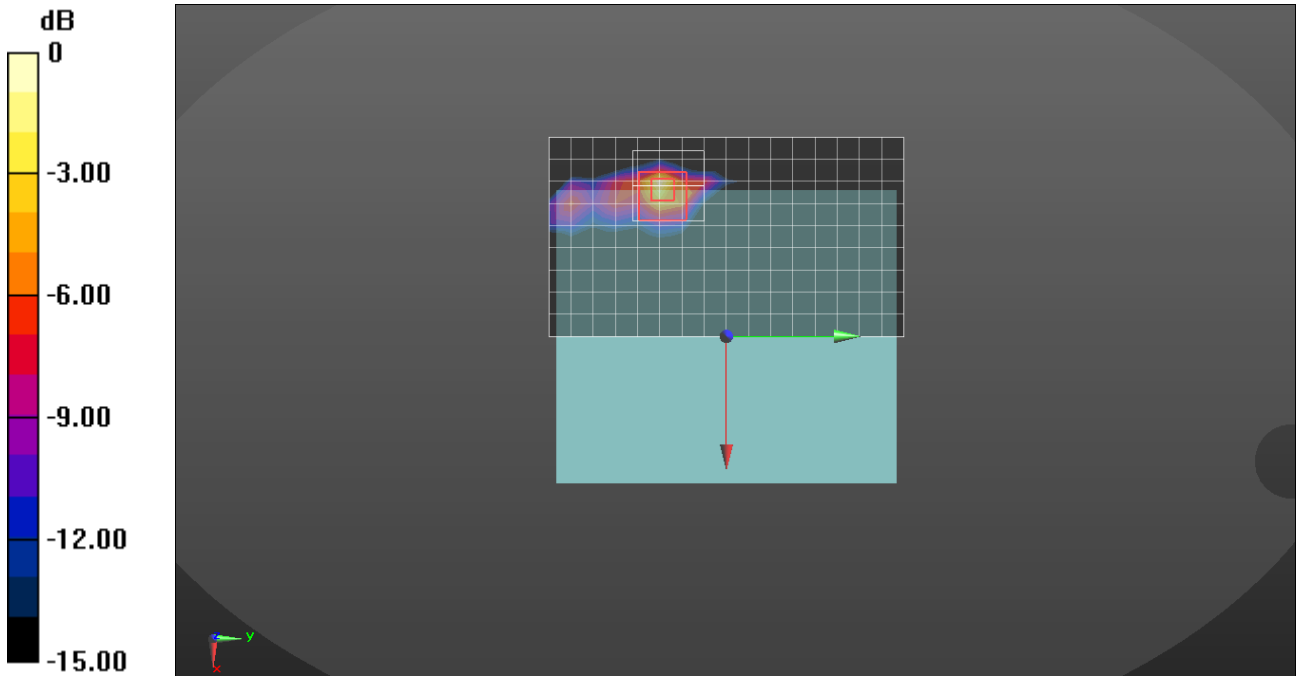
Wi-Fi 5.5GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.889 S/m; ε_r = 36.124; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(4.58, 4.58, 4.58) @ 5610 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11ac mode ch.122 SISO Ant.1/Area Scan (17x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.53 W/kg

Front/802.11ac mode ch.122 SISO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 55.29 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 23.1 W/kg
SAR(1 g) = 3.53 W/kg; SAR(10 g) = 0.895 W/kg
Maximum value of SAR (measured) = 12.0 W/kg



0 dB = 9.53 W/kg = 9.79 dBW/kg

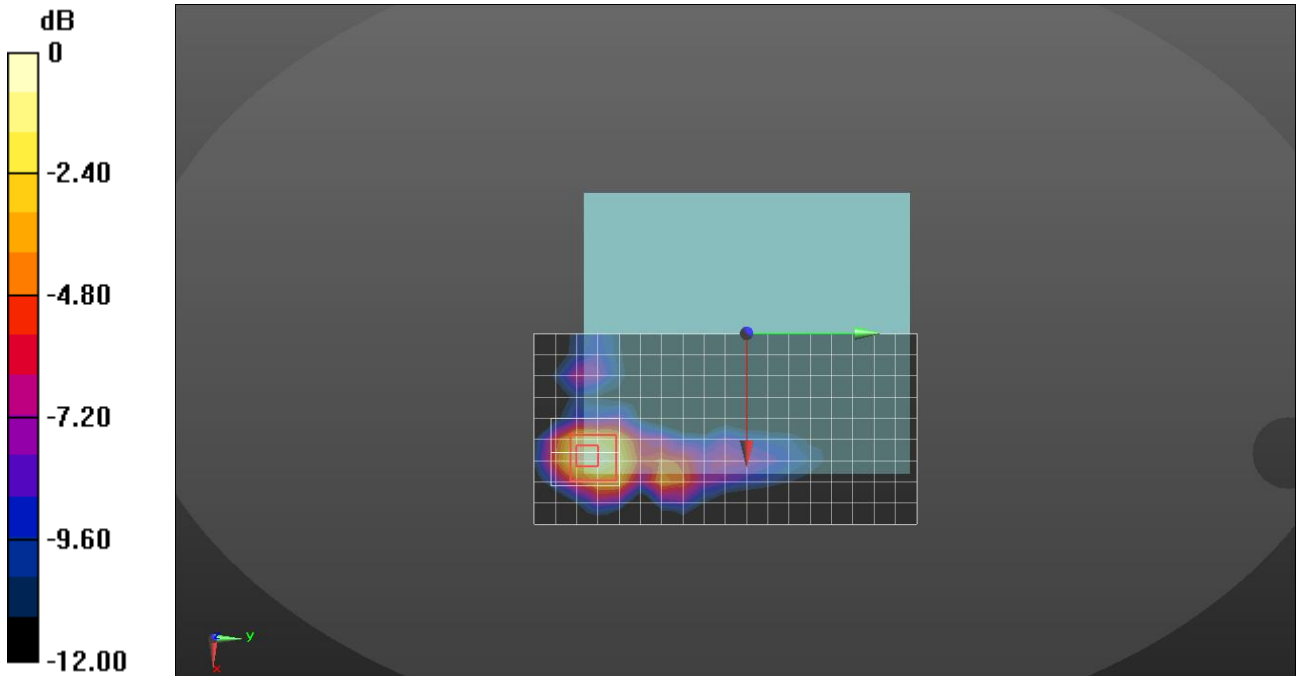
Wi-Fi 5.5GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.889 S/m; ε_r = 36.124; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(4.58, 4.58, 4.58) @ 5610 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11ac mode ch.122 SISO Ant.2/Area Scan (19x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.683 W/kg

Rear/802.11ac mode ch.122 SISO Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.91 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.122 W/kg
Maximum value of SAR (measured) = 0.764 W/kg



0 dB = 0.683 W/kg = −1.66 dBW/kg

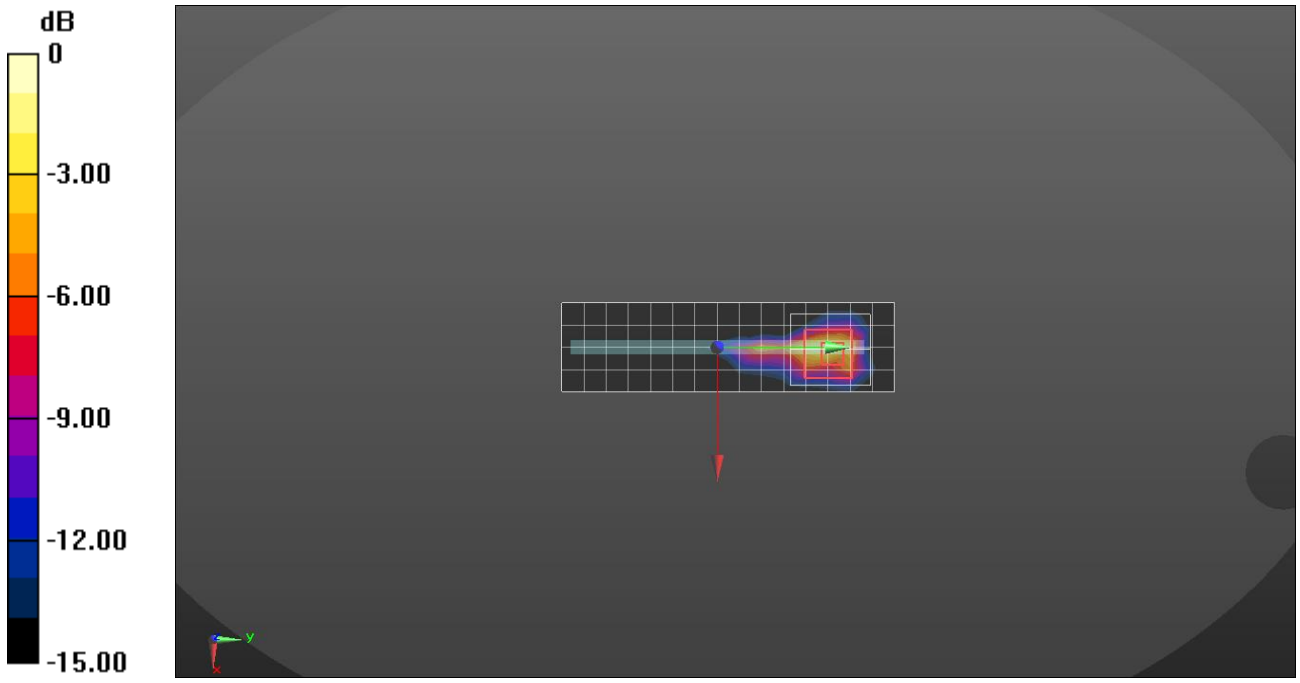
Wi-Fi 5.5GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.889 S/m; ε_r = 36.124; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(4.58, 4.58, 4.58) @ 5610 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11ac mode ch.122 SISO Ant.2/Area Scan (16x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.44 W/kg

Top/802.11ac mode ch.122 SISO Ant.2/Zoom Scan (9x10x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 51.59 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 27.4 W/kg
SAR(1 g) = 3.41 W/kg; SAR(10 g) = 0.998 W/kg
Maximum value of SAR (measured) = 9.48 W/kg



0 dB = 9.44 W/kg = 9.75 dBW/kg

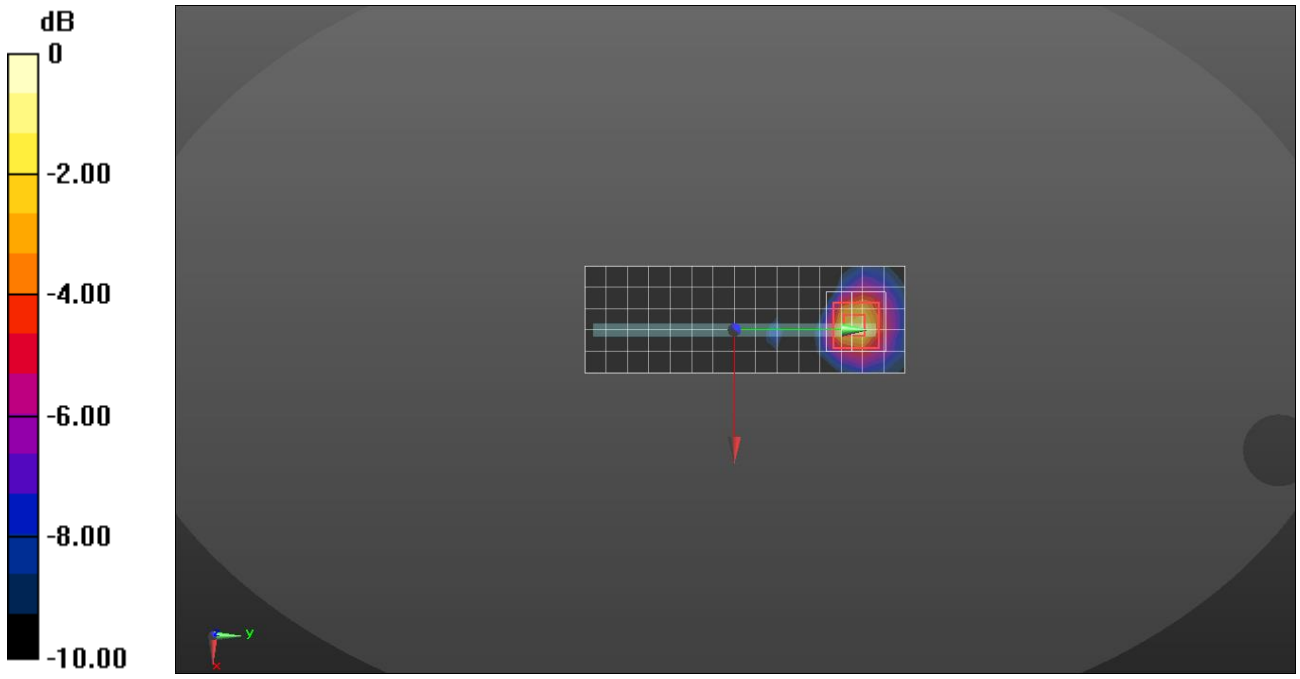
Wi-Fi 5.5GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.975 S/m; ε_r = 35.332; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5, 5.27, 4.78) @ 5610 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11ac mode ch.122 MIMO/Area Scan (16x6x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.07 W/kg

Top/802.11ac mode ch.122 MIMO/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 16.88 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 2.36 W/kg
SAR(1 g) = 0.548 W/kg; SAR(10 g) = 0.181 W/kg
Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

Wi-Fi 5.5GHz

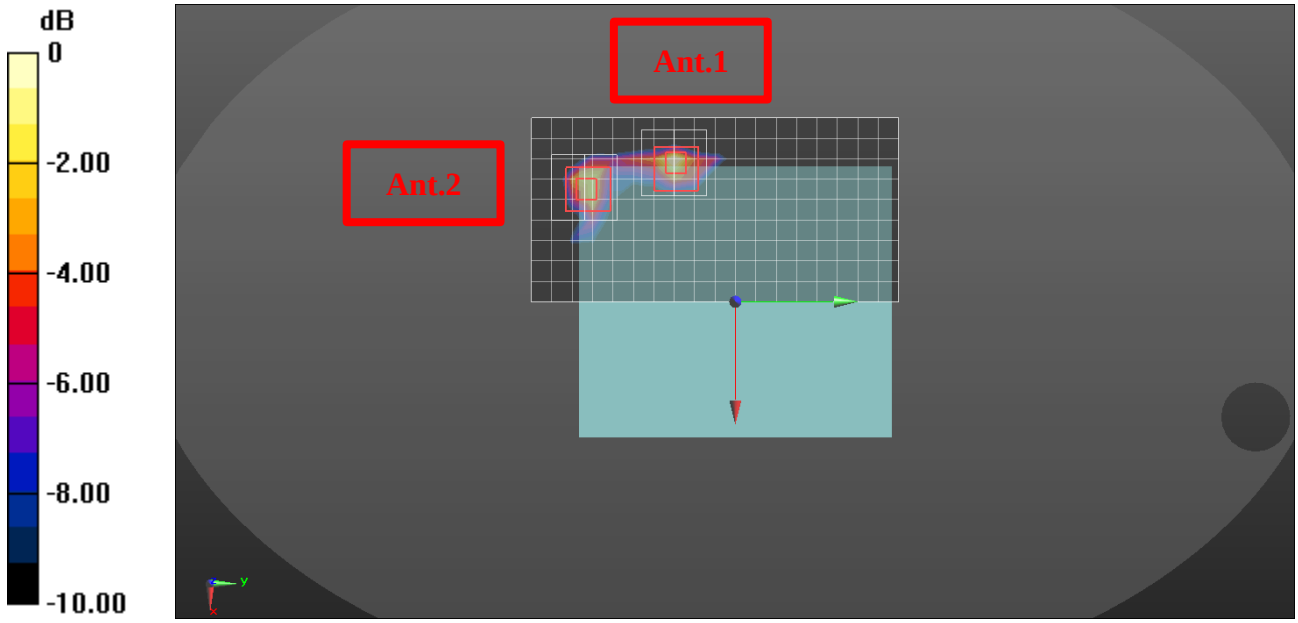
Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.889 S/m; ε_r = 36.124; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(4.58, 4.58, 4.58) @ 5610 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11ac mode ch.122 MIMO/Area Scan (19x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 16.1 W/kg

Front/802.11ac mode ch.122 MIMO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 65.52 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 39.6 W/kg
SAR(1 g) = 5.44 W/kg; SAR(10 g) = 1.41 W/kg
Maximum value of SAR (measured) = 17.4 W/kg

Front/802.11ac mode ch.122 MIMO Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 65.52 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 27.8 W/kg
SAR(1 g) = 4.56 W/kg; SAR(10 g) = 1.28 W/kg
Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 12.3 W/kg = 10.90 dBW/kg

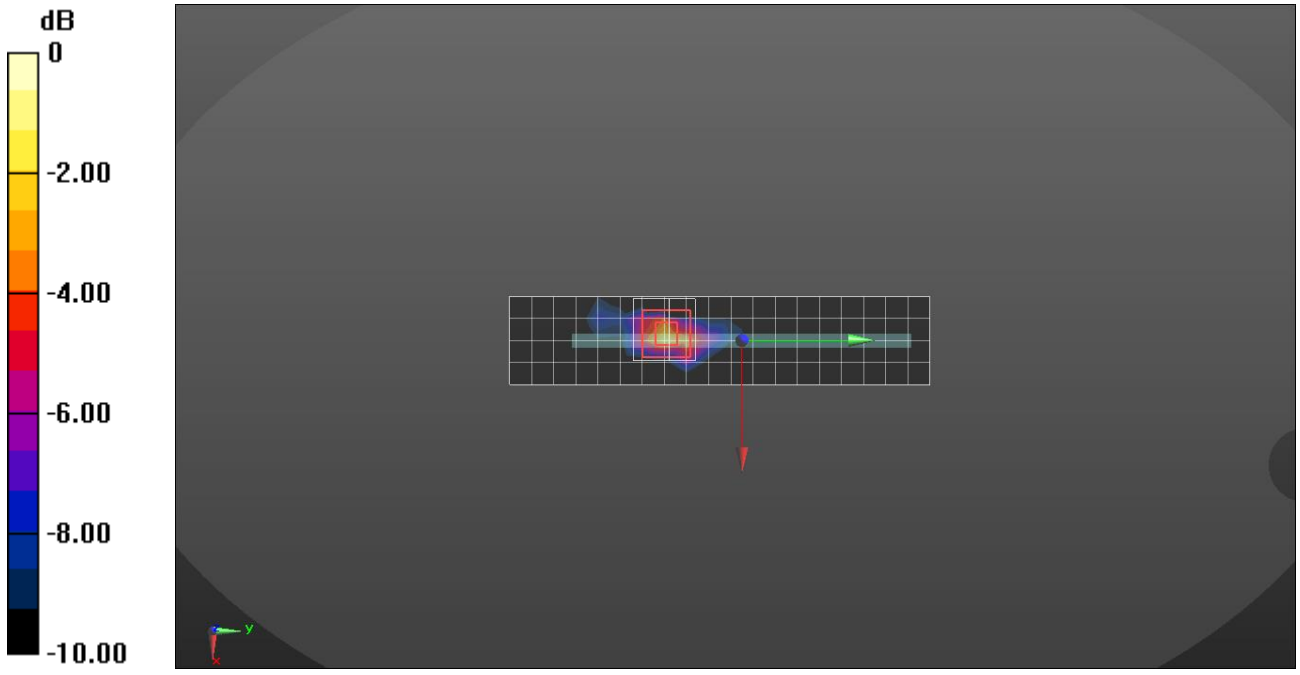
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.244 S/m; ε_r = 35.288; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.11, 5.37, 4.91) @ 5775 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 ac mode ch.155 SISO Ant.1/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.819 W/kg

Right/802.11 ac mode ch.155 SISO Ant.1/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 15.84 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.05 W/kg
SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.116 W/kg
Smallest distance from peaks to all points 3 dB below = 6.1 mm
Ratio of SAR at M2 to SAR at M1 = 60.1%
Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

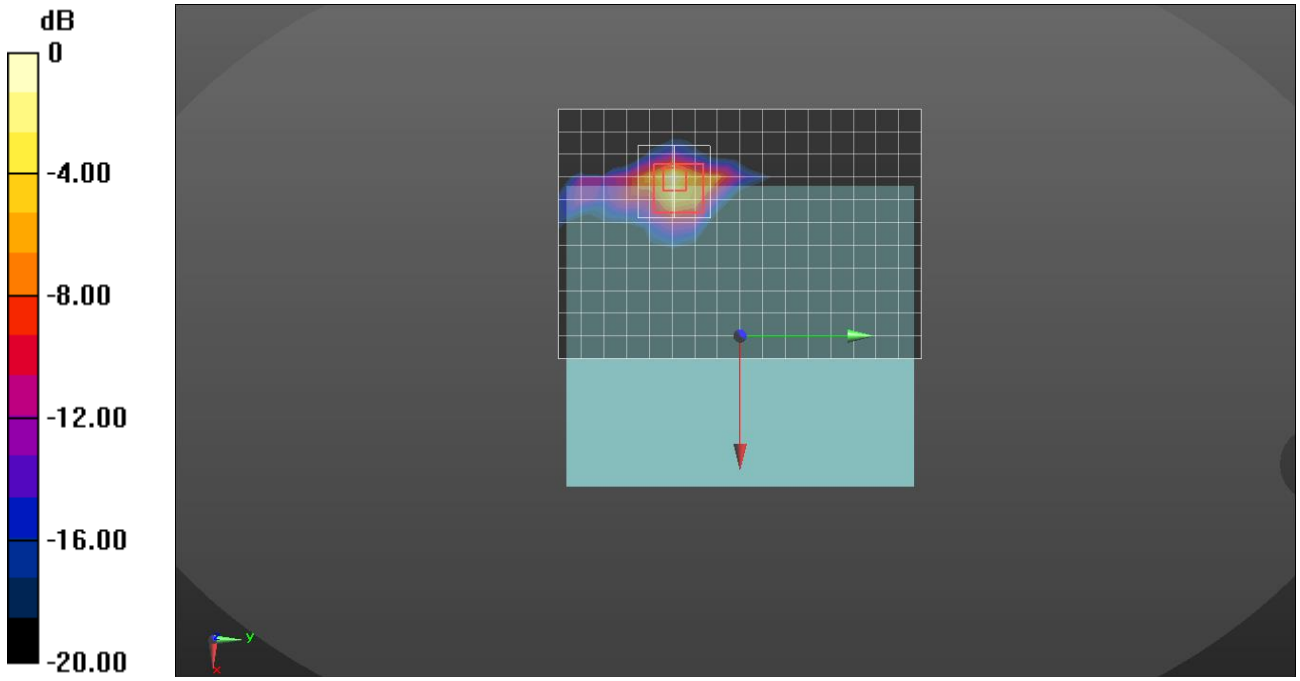
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.244 S/m; ε_r = 35.288; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.11, 5.37, 4.91) @ 5775 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 ac mode ch.155 SISO Ant.1/Area Scan (17x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 15.0 W/kg

Front/802.11 ac mode ch.155 SISO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 61.78 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 42.1 W/kg
SAR(1 g) = 5.34 W/kg; SAR(10 g) = 1.31 W/kg
Smallest distance from peaks to all points 3 dB below = 3.3 mm
Ratio of SAR at M2 to SAR at M1 = 51.4%
Maximum value of SAR (measured) = 16.3 W/kg



0 dB = 15.0 W/kg = 11.76 dBW/kg

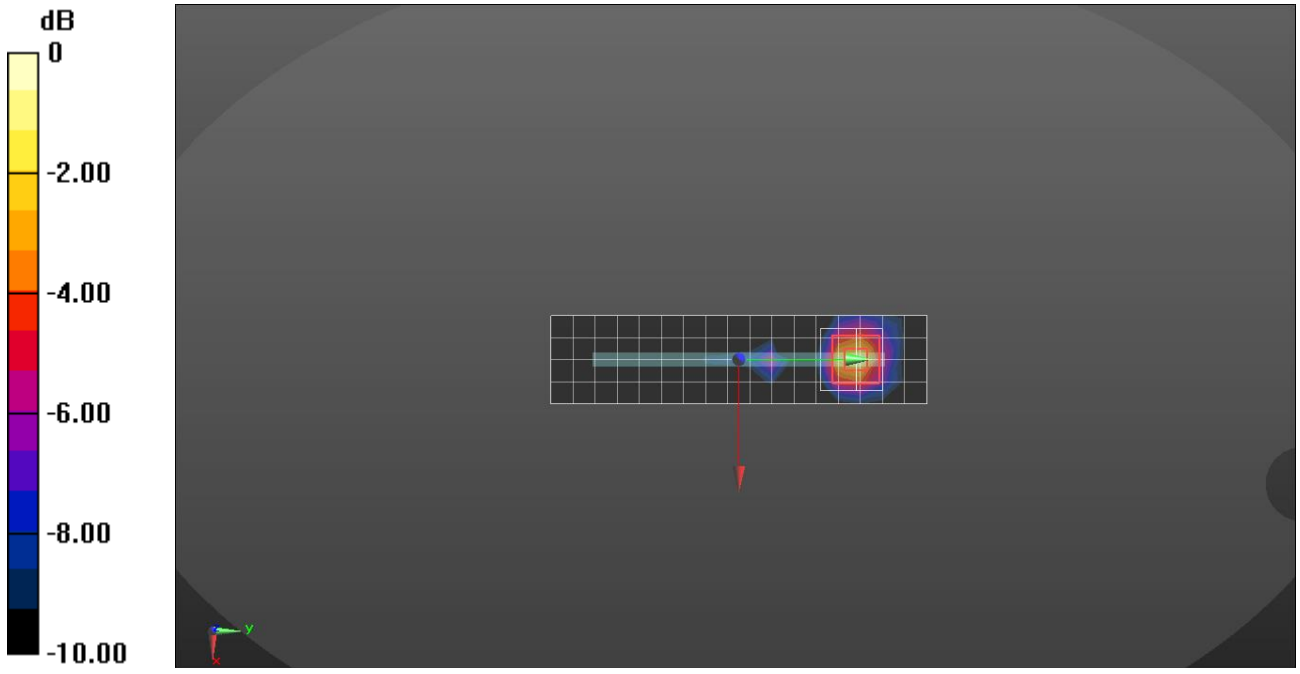
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.244 S/m; ε_r = 35.288; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.11, 5.37, 4.91) @ 5775 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 ac mode ch.155 SISO Ant.2/Area Scan (18x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.791 W/kg

Top/802.11 ac mode ch.155 SISO Ant.2/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.81 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.111 W/kg
Maximum value of SAR (measured) = 0.903 W/kg



0 dB = 0.903 W/kg = −0.44 dBW/kg

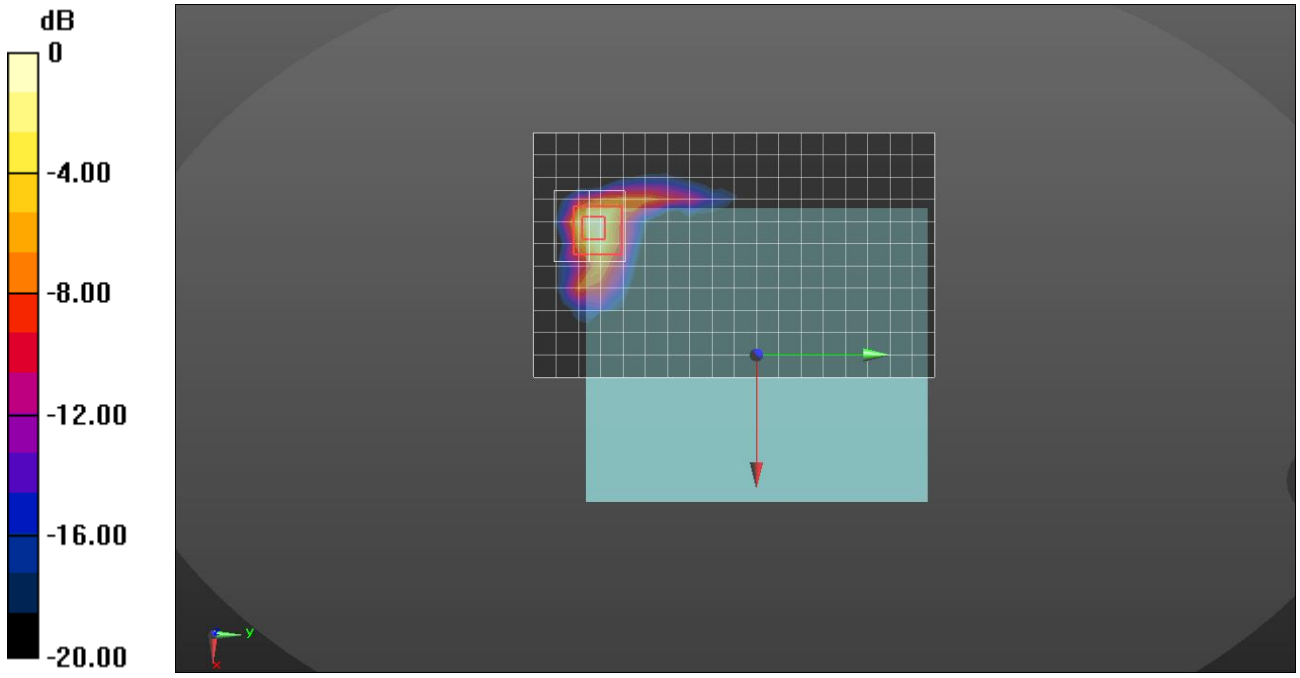
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.244 S/m; ε_r = 35.288; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.11, 5.37, 4.91) @ 5775 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 ac mode ch.155 SISO Ant.2/Area Scan (19x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 7.13 W/kg

Front/802.11 ac mode ch.155 SISO Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 52.35 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 31.1 W/kg
SAR(1 g) = 4.38 W/kg; SAR(10 g) = 1.07 W/kg
Maximum value of SAR (measured) = 12.0 W/kg



0 dB = 7.13 W/kg = 8.53 dBW/kg

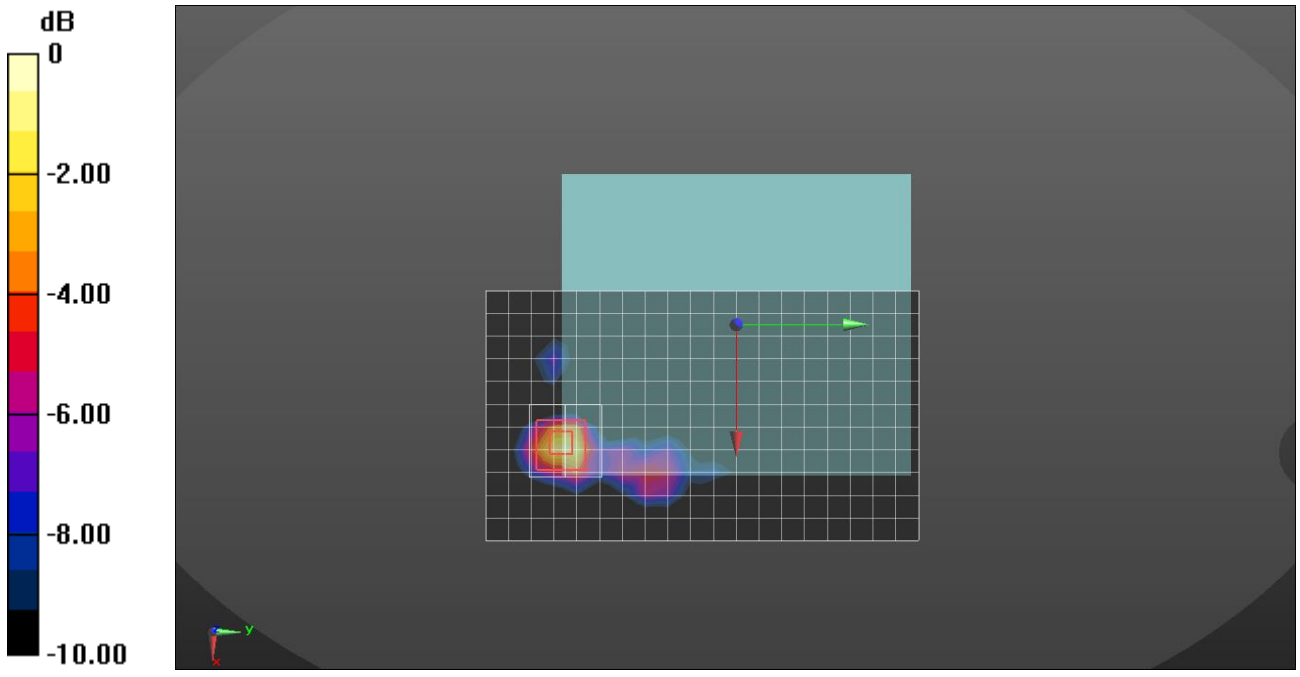
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.162 S/m; ε_r = 35.056; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.11, 5.37, 4.91) @ 5775 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11 ac mode ch.155 MIMO/Area Scan (20x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.14 W/kg

Rear/802.11 ac mode ch.155 MIMO/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 18.15 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 2.36 W/kg
SAR(1 g) = 0.581 W/kg; SAR(10 g) = 0.193 W/kg
Maximum value of SAR (measured) = 1.40 W/kg



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

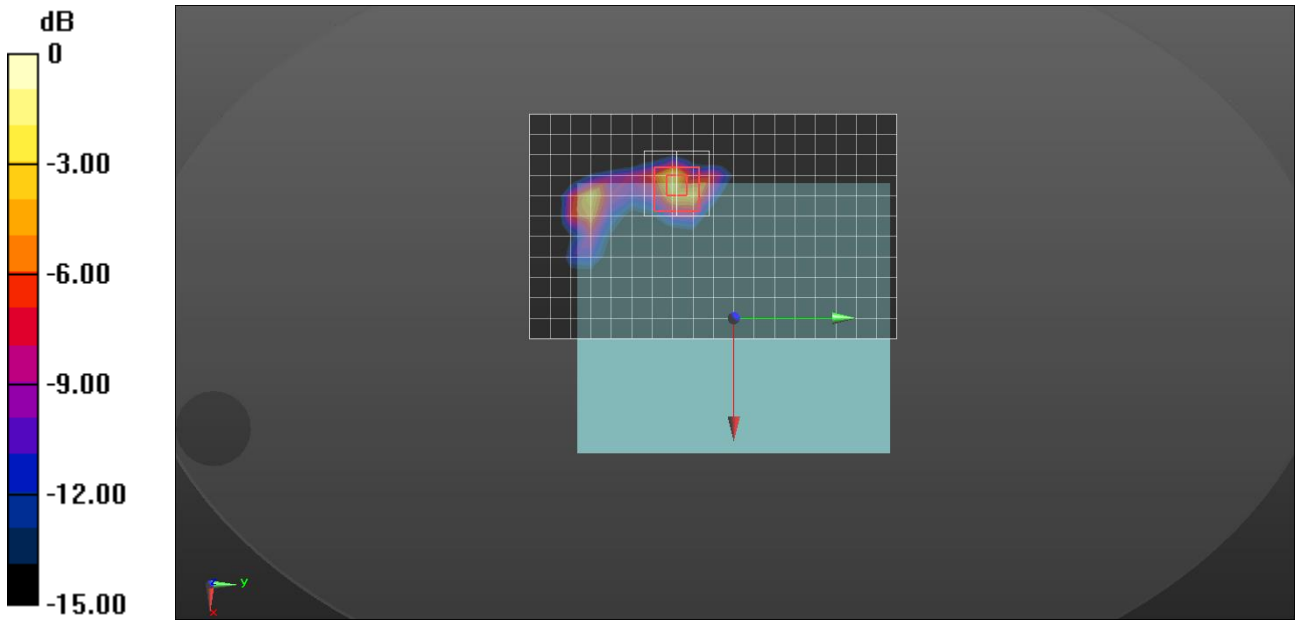
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.245 S/m; ε_r = 35.295; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(5.18, 5.14, 5.48) @ 5775 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 ac mode ch.155 MIMO/Area Scan (19x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 13.7 W/kg

Front/802.11 ac mode ch.155 MIMO/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 60.06 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 38.6 W/kg
SAR(1 g) = 5.49 W/kg; SAR(10 g) = 1.47 W/kg
Maximum value of SAR (measured) = 15.5 W/kg



0 dB = 15.5 W/kg = 11.90 dBW/kg

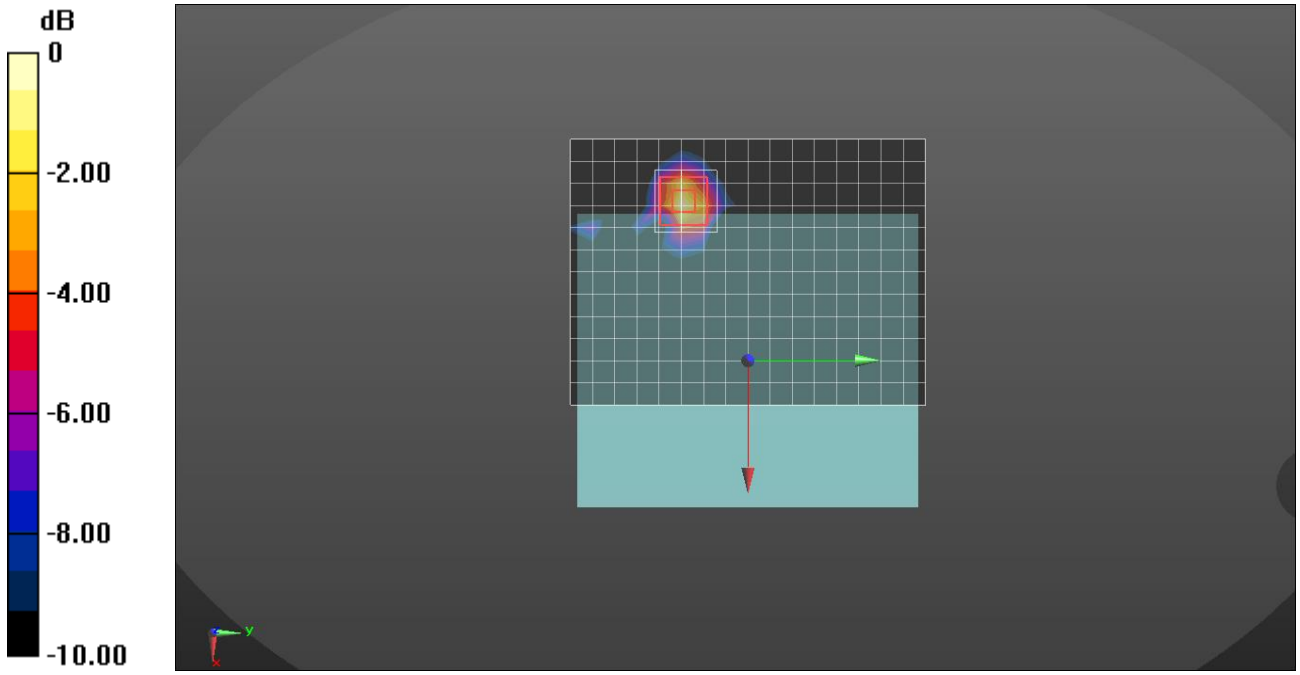
Wi-Fi 5.9GHz

Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.332 S/m; ε_r = 35.045; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.04, 5.28, 4.82) @ 5855 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 ac mode ch.171 SISO Ant.1/Area Scan (17x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.966 W/kg

Front/802.11 ac mode ch.171 SISO Ant.1/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 16.14 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.129 W/kg
Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 0.966 W/kg = −0.15 dBW/kg

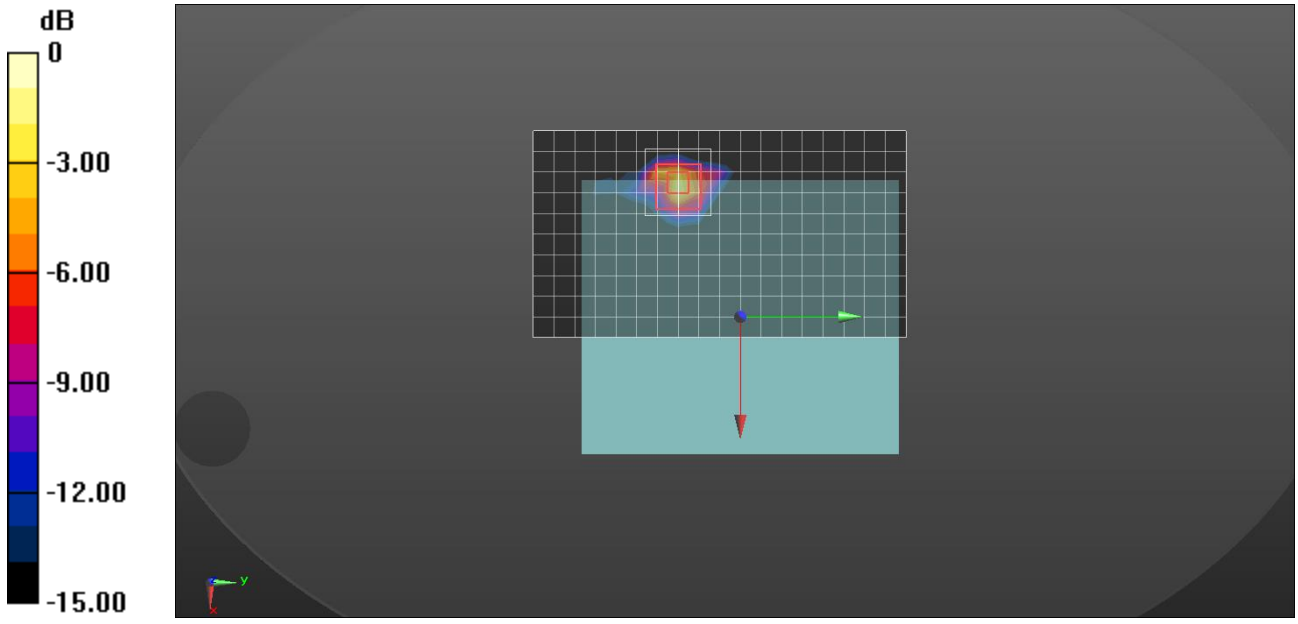
Wi-Fi 5.9GHz

Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.343 S/m; ε_r = 35.153; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(5.11, 5.06, 5.43) @ 5855 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 ac mode ch.171 SISO Ant.1/Area Scan (19x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 11.8 W/kg

Front/802.11 ac mode ch.171 SISO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 51.97 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 37.0 W/kg
SAR(1 g) = 5.51 W/kg; SAR(10 g) = 1.49 W/kg
Maximum value of SAR (measured) = 17.5 W/kg



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

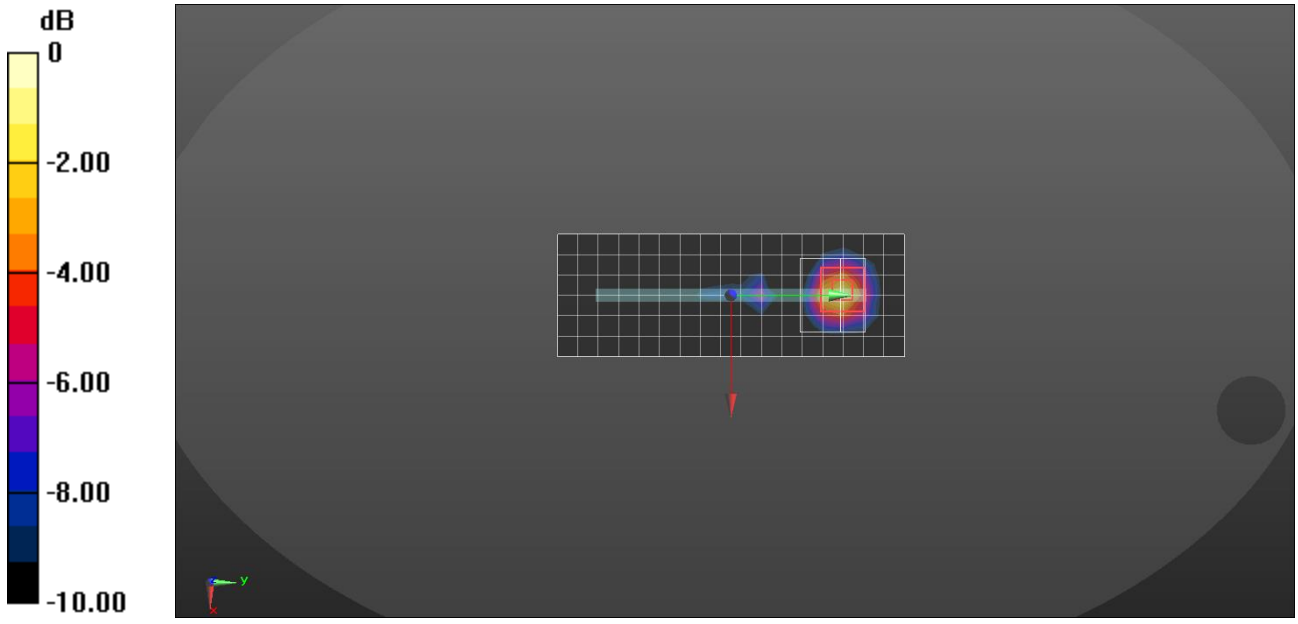
Wi-Fi 5.9GHz

Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.332 S/m; ε_r = 35.045; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.04, 5.28, 4.82) @ 5855 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 ac mode ch.171 SISO Ant.2/Area Scan (18x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.933 W/kg

Top/802.11 ac mode ch.171 SISO Ant.2/Zoom Scan (10x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.77 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.121 W/kg
Maximum value of SAR (measured) = 1.01 W/kg



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

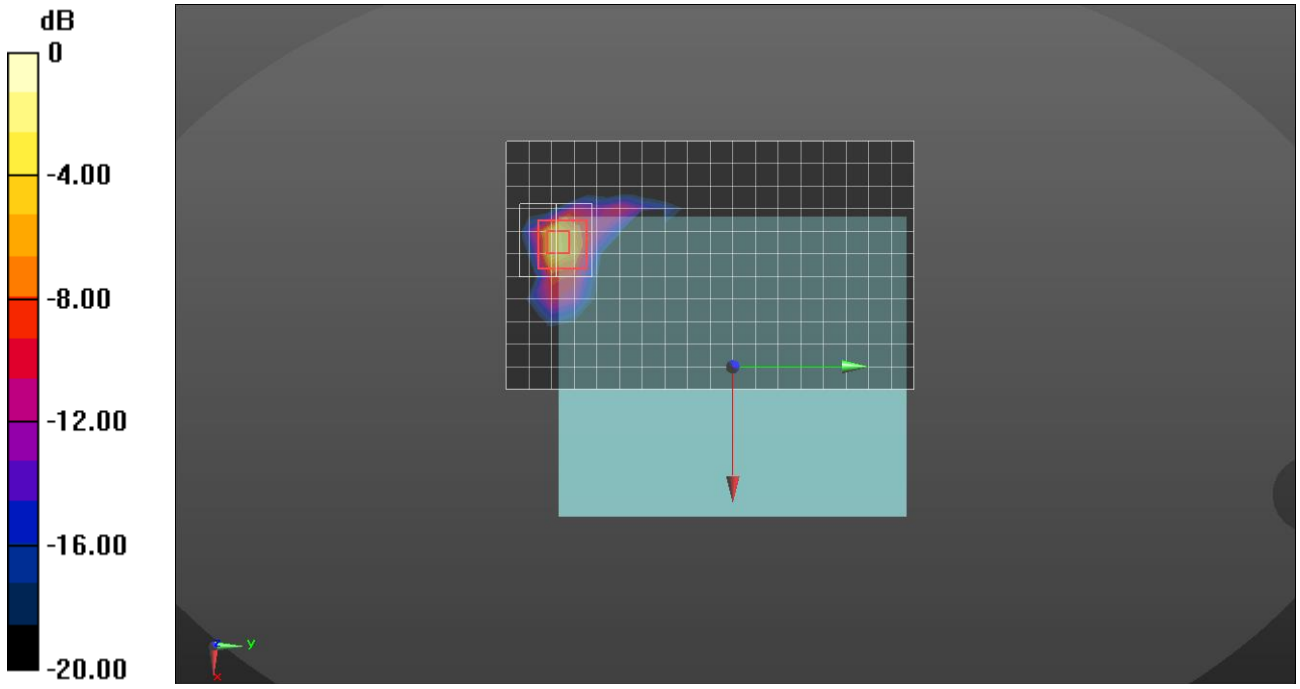
Wi-Fi 5.9GHz

Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.332 S/m; ε_r = 35.045; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.04, 5.28, 4.82) @ 5855 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 ac mode ch.171 SISO Ant.2/Area Scan (19x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.08 W/kg

Front/802.11 ac mode ch.171 SISO Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 55.87 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 33.6 W/kg
SAR(1 g) = 4.69 W/kg; SAR(10 g) = 1.14 W/kg
Maximum value of SAR (measured) = 14.1 W/kg



0 dB = 14.1 W/kg = 11.49 dBW/kg

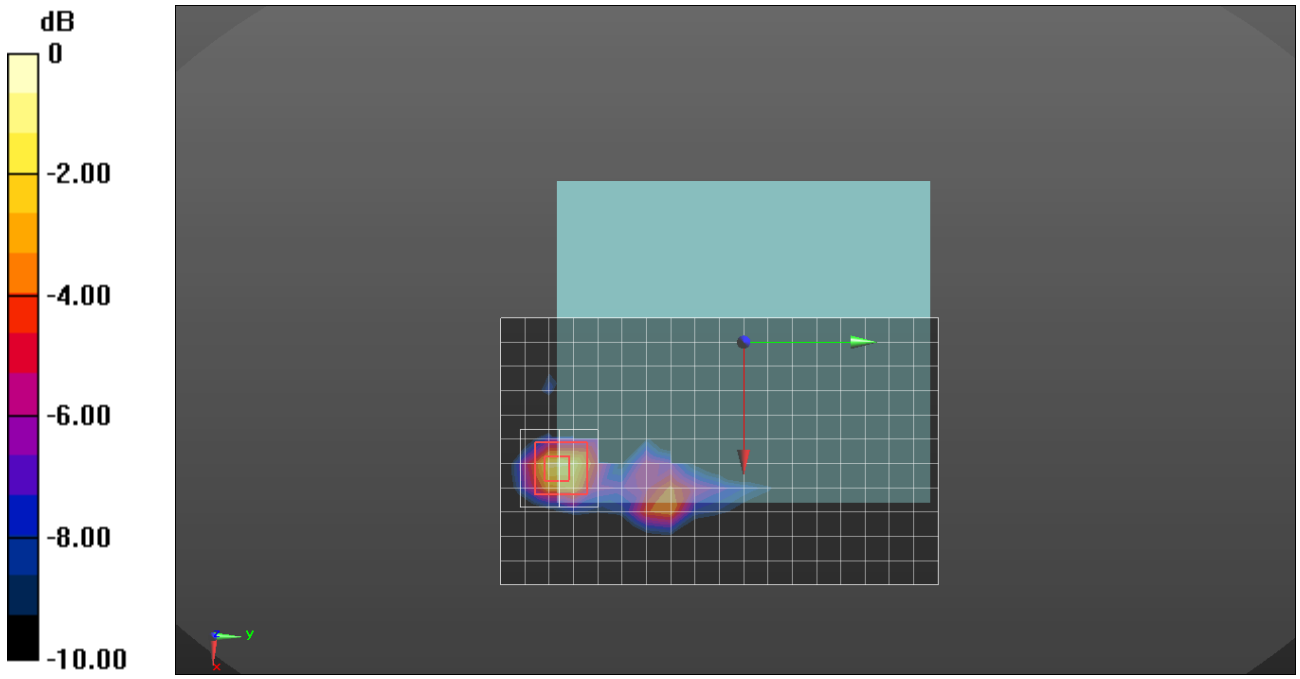
Wi-Fi 5.9GHz

Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.252 S/m; ε_r = 34.932; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.04, 5.28, 4.82) @ 5855 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11 ac mode ch.171 MIMO/Area Scan (19x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.12 W/kg

Rear/802.11 ac mode ch.171 MIMO/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 17.85 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 2.29 W/kg
SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.194 W/kg
Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg

Wi-Fi 5.9GHz

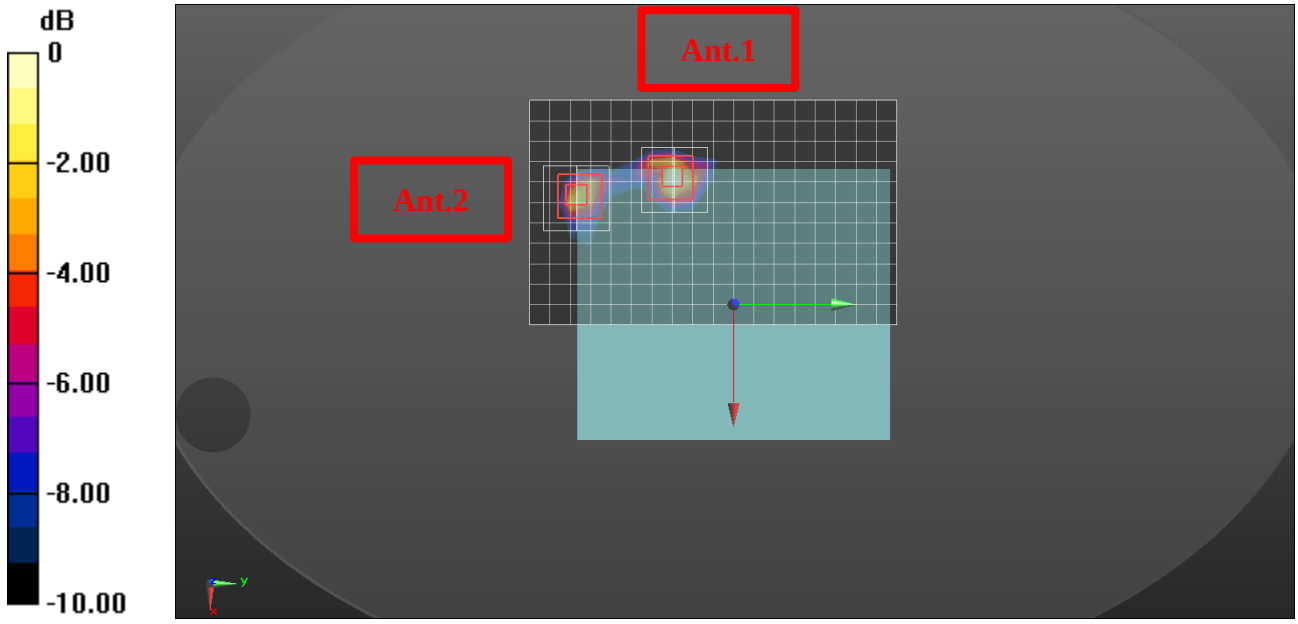
Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.343 S/m; ε_r = 35.153; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(5.11, 5.06, 5.43) @ 5855 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 ac mode ch.171 MIMO/Area Scan (19x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 14.1 W/kg

Front/802.11 ac mode ch.171 MIMO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 60.50 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 37.1 W/kg
SAR(1 g) = 5.48 W/kg; SAR(10 g) = 1.47 W/kg
Maximum value of SAR (measured) = 16.3 W/kg

Front/802.11 ac mode ch.171 MIMO Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 60.50 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 22.0 W/kg
SAR(1 g) = 3.47 W/kg; SAR(10 g) = 0.898 W/kg
Maximum value of SAR (measured) = 9.27 W/kg



0 dB = 9.27 W/kg = 9.67 dBW/kg

Bluetooth

Frequency: 2441 MHz; Communication System Channel Number: 39; Duty Cycle: 1:1.17625
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.834 S/m; ε_r = 37.815; ρ = 1000 kg/m^3

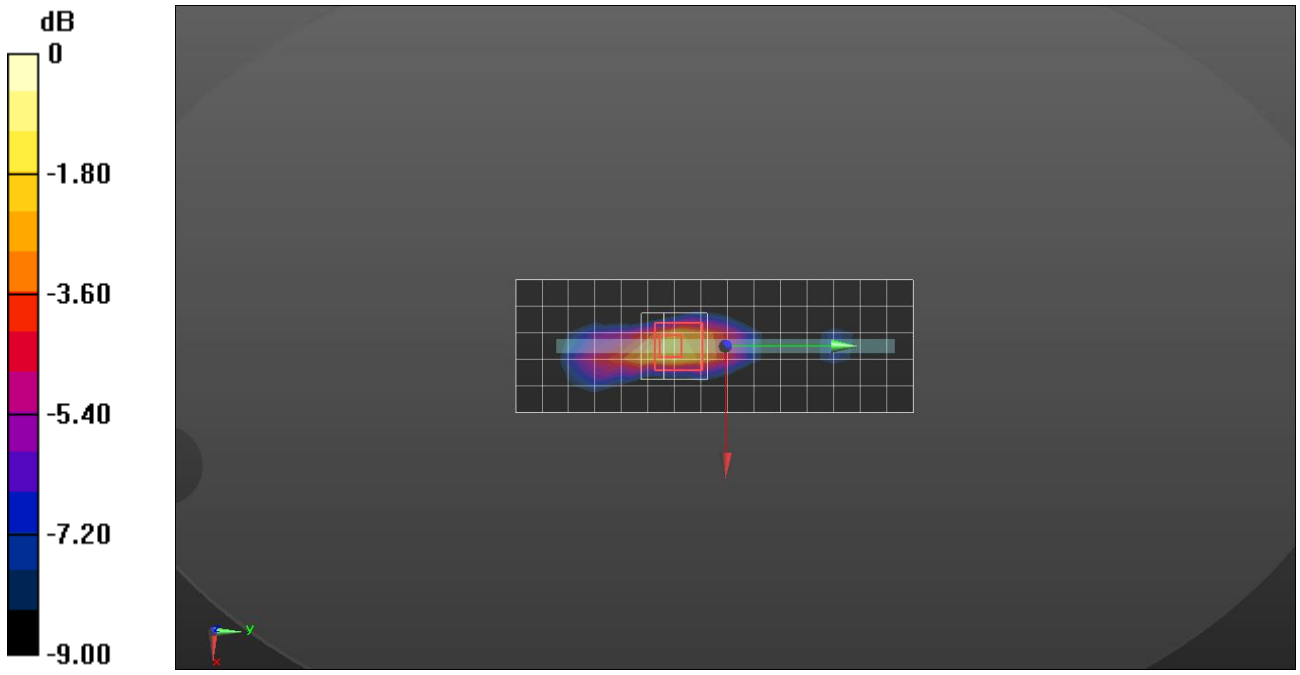
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(7.92, 7.8, 8.18) @ 2441 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/Bluetooth GFSK ch.39 Ant.1/Area Scan (16x6x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.180 W/kg

Right/Bluetooth GFSK ch.39 Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.08 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.341 W/kg
SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.068 W/kg
Maximum value of SAR (measured) = 0.268 W/kg



0 dB = 0.268 W/kg = −5.72 dBW/kg

Bluetooth

Frequency: 2441 MHz; Communication System Channel Number: 39; Duty Cycle: 1:1.17625
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.834 S/m; ε_r = 37.815; ρ = 1000 kg/m^3

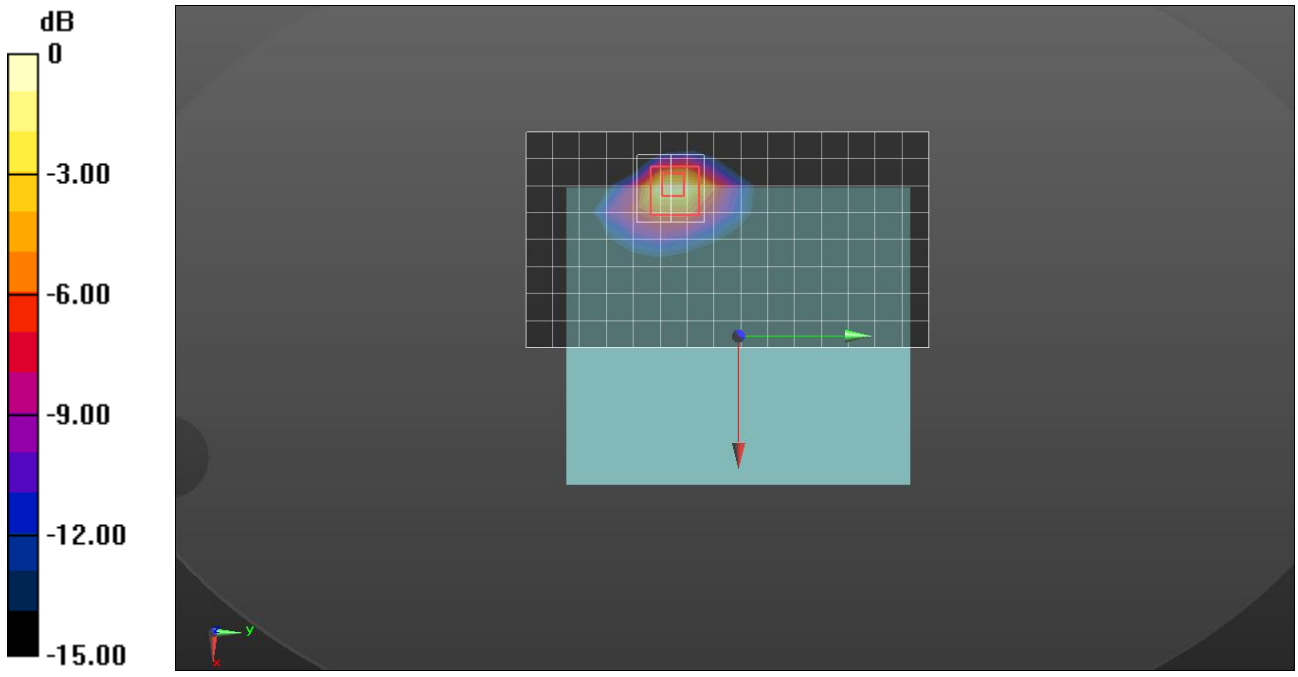
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(7.92, 7.8, 8.18) @ 2441 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/Bluetooth GFSK ch.39 Ant.1/Area Scan (16x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.84 W/kg

Front/Bluetooth GFSK ch.39 Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.17 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.20 W/kg
SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.403 W/kg
Maximum value of SAR (measured) = 2.13 W/kg



0 dB = 2.13 W/kg = 3.28 dBW/kg

Bluetooth

Frequency: 2441 MHz; Communication System Channel Number: 39; Duty Cycle: 1:1.17625
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.834 S/m; ε_r = 37.815; ρ = 1000 kg/m^3

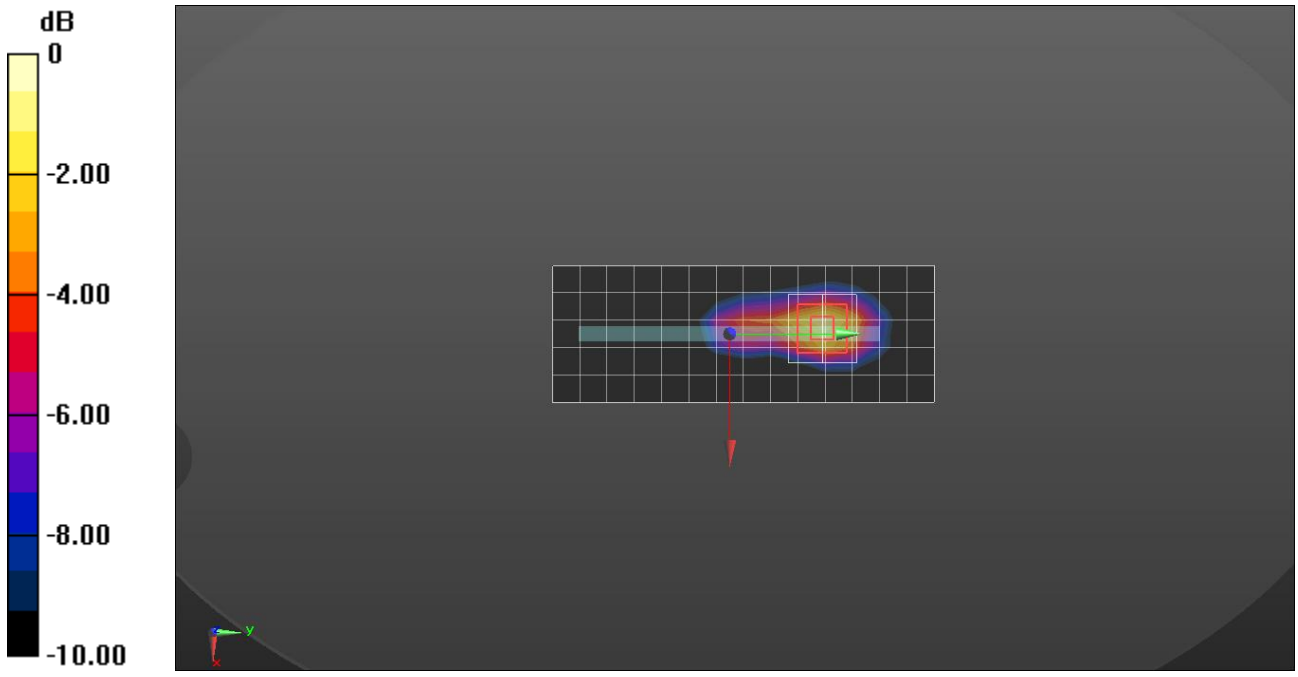
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(7.92, 7.8, 8.18) @ 2441 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/Bluetooth GFSK ch.39 Ant.2/Area Scan (15x6x1): Measurement grid: dx=12mm, dy=12mm

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

Top/Bluetooth GFSK ch.39 Ant.2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.78 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.360 W/kg
SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.081 W/kg
Maximum value of SAR (measured) = 0.293 W/kg



0 dB = 0.293 W/kg = −5.33 dBW/kg

Bluetooth

Frequency: 2441 MHz; Communication System Channel Number: 39; Duty Cycle: 1:1.17625
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.834 S/m; ε_r = 37.815; ρ = 1000 kg/m^3

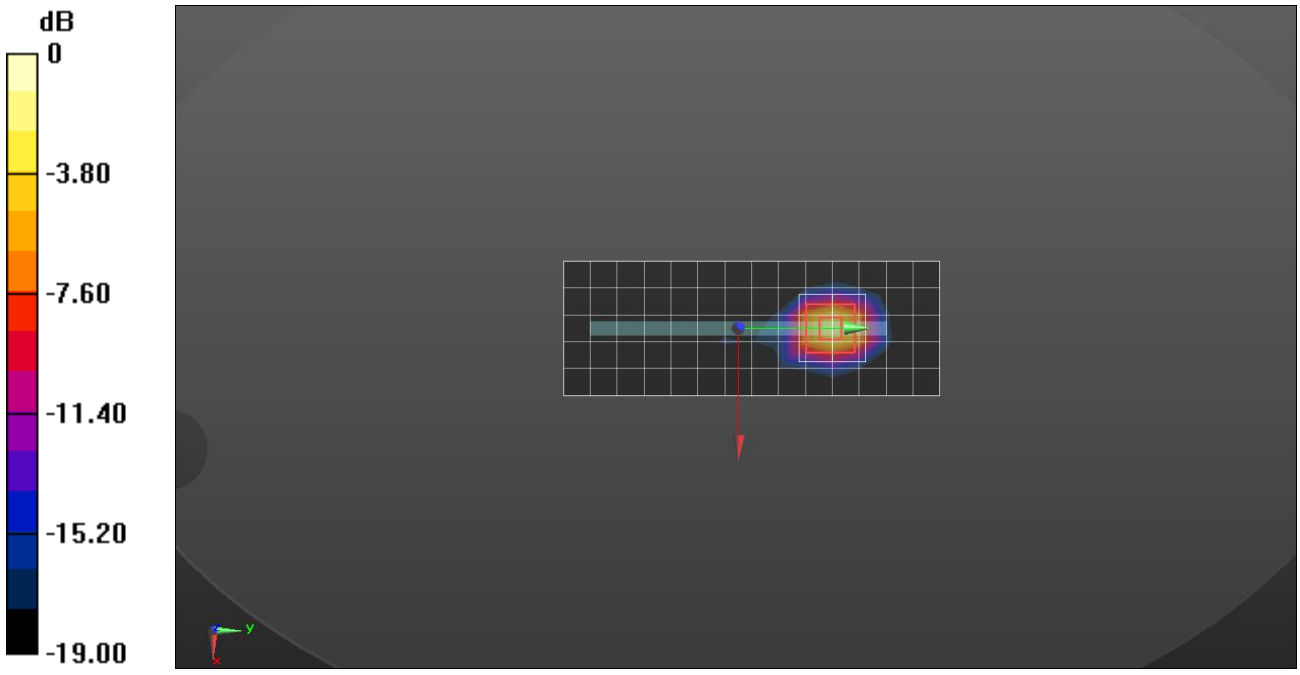
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(7.92, 7.8, 8.18) @ 2441 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/Bluetooth GFSK ch.39 Ant.2/Area Scan (15x6x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.63 W/kg

Top/Bluetooth GFSK ch.39 Ant.2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.40 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 6.54 W/kg
SAR(1 g) = 2.4 W/kg; SAR(10 g) = 0.917 W/kg
Maximum value of SAR (measured) = 4.90 W/kg



0 dB = 4.90 W/kg = 6.90 dBW/kg

Bluetooth

Frequency: 2402 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1.17625
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.807 S/m; ε_r = 37.893; ρ = 1000 kg/m^3

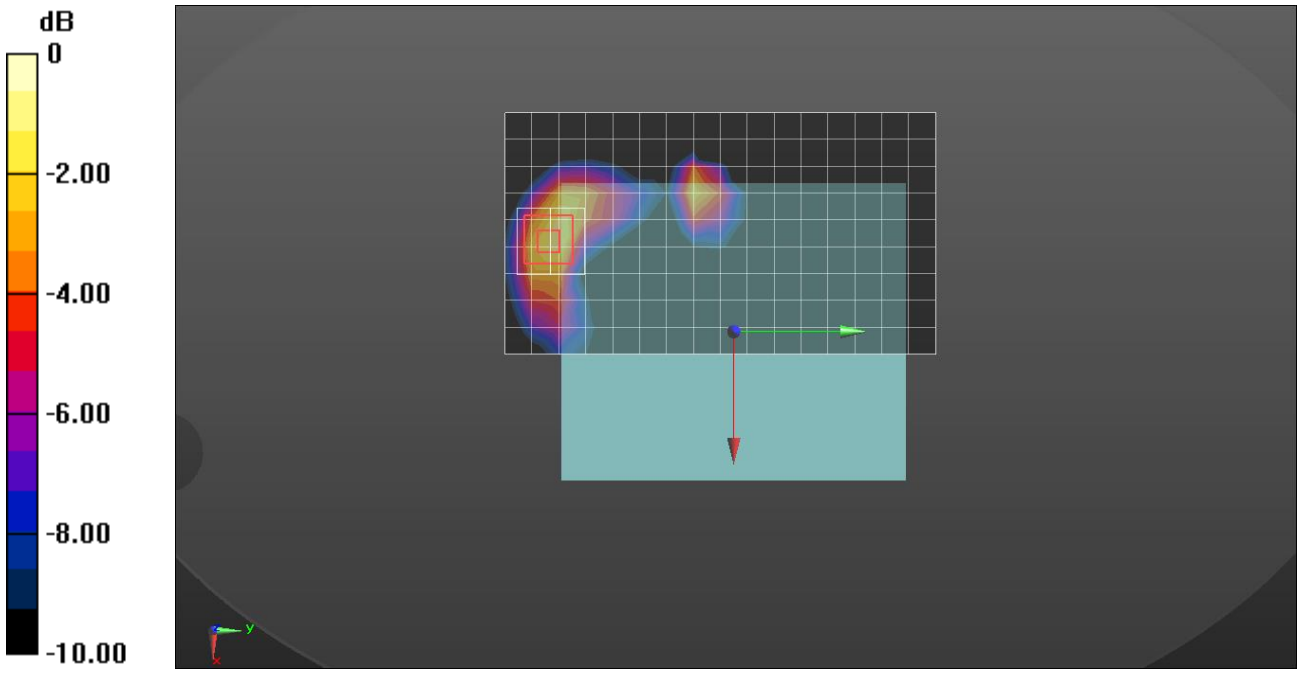
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(7.92, 7.8, 8.18) @ 2402 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/Bluetooth GFSK ch.0 MIMO/Area Scan (17x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0962 W/kg

Front/Bluetooth GFSK ch.0 MIMO/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.581 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.149 W/kg
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.033 W/kg
Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg = −9.28 dBW/kg

Bluetooth

Frequency: 2402 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1.17625
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.807 S/m; ε_r = 37.893; ρ = 1000 kg/m^3

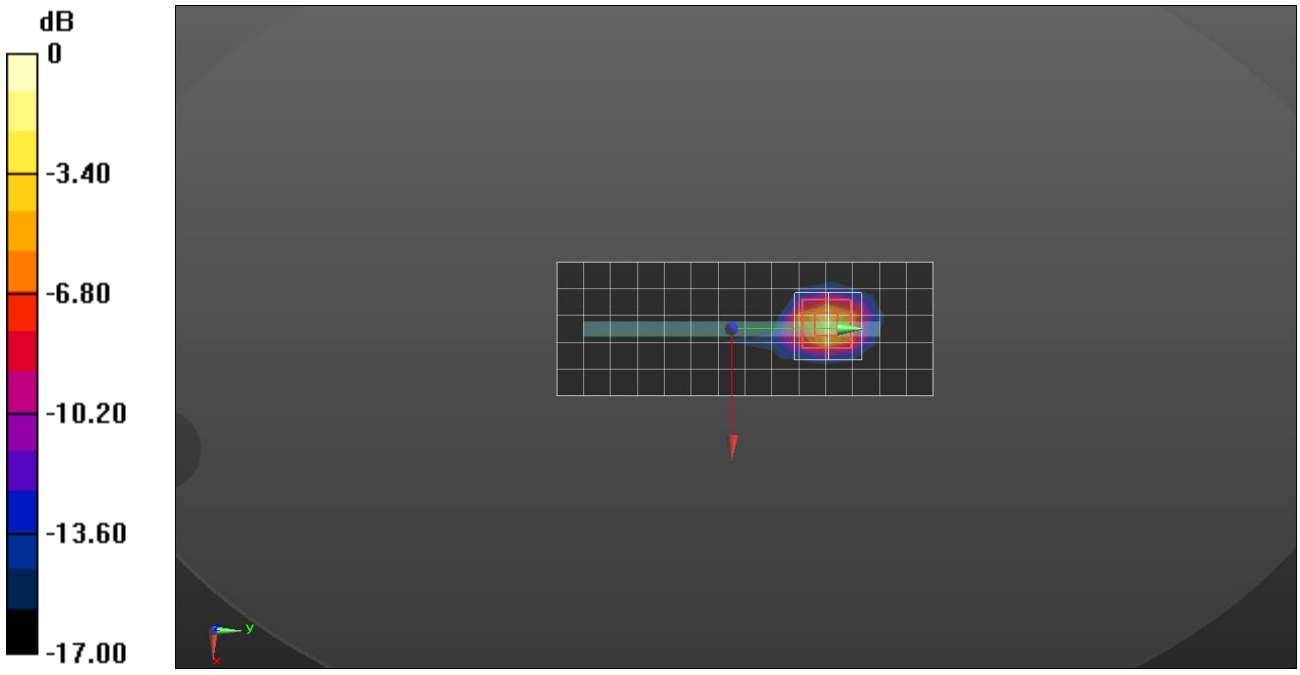
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(7.92, 7.8, 8.18) @ 2402 MHz; Calibrated: 4/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD OVA 002 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/Bluetooth GFSK ch.0 MIMO/Area Scan (15x6x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.30 W/kg

Top/Bluetooth GFSK ch.0 MIMO/Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.27 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.83 W/kg
SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.358 W/kg
Maximum value of SAR (measured) = 2.05 W/kg



0 dB = 2.05 W/kg = 3.12 dBW/kg

UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-05-09

Measurement Report for SM-F956D_Open, BACK, Custom Band, CW, Channel 13600 (13.6 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	Custom Band	CW, 0--	13.6	16.85	0.799	53.4

Hardware Setup

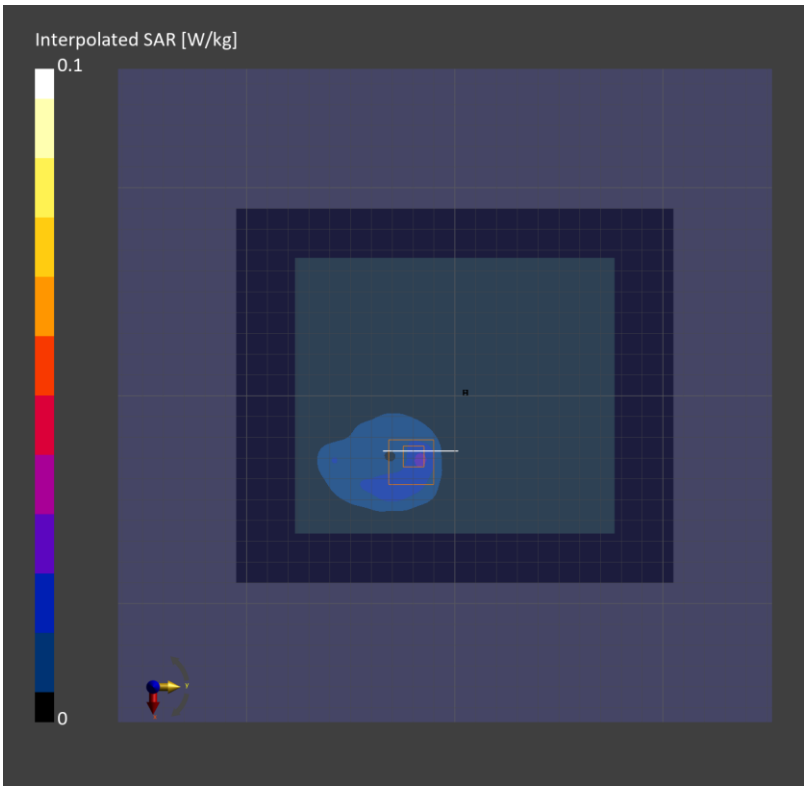
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	36.0 x 36.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.022	0.028
psSAR10g [W/Kg]	0.016	0.011
Power Drift [dB]		0.18
M2/M1 [%]		58.2
Dist 3dB Peak [mm]		6.0



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-06-11

Measurement Report for SM-F956D_Open, BACK, Band n66, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 349000 (1745.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n66	5G NR FR1 FDD, 10942-AAC	1745.0	7.94	1.38	39.7

Hardware Setup

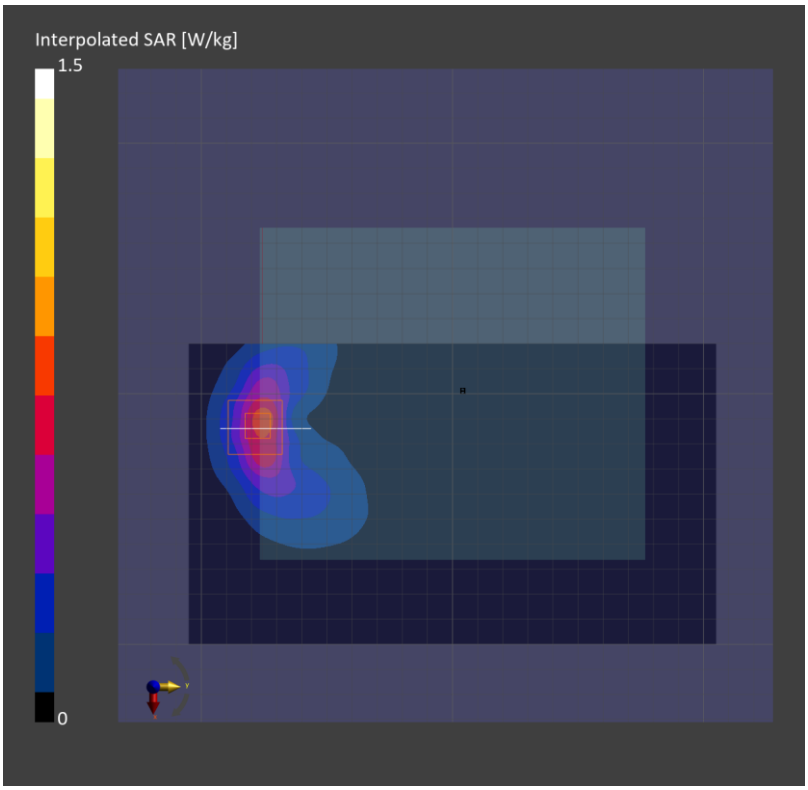
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn1343, 2023-06-30

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.656	0.751
psSAR10g [W/Kg]	0.350	0.383
Power Drift [dB]		-0.01
M2/M1 [%]		76.8
Dist 3dB Peak [mm]		8.4



Measurement Report for SM-F956D_Open, EDGE TOP, Band n66, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz, Channel 349000 (1745.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band n66	5G NR FR1 FDD, 10942-AAC	1745.0	7.94	1.38	39.7

Hardware Setup

Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn1343, 2023-06-30

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	36.0 x 36.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	4.83	5.39
psSAR10g [W/Kg]	2.23	1.92
Power Drift [dB]		0.07
M2/M1 [%]		56.3
Dist 3dB Peak [mm]		3.6