

W-CDMA Band II - Full Power

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.434$ S/m; $\epsilon_r = 38.135$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(8.43, 8.43, 8.43) @ 1880 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 001 BB; Serial: 1212

Rear Tilt (Edge4 Side) 9mm/RMC Rel. 99_ch 9400/Area Scan (13x11x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.76 W/kg

Rear Tilt (Edge4 Side) 9mm/RMC Rel. 99_ch 9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

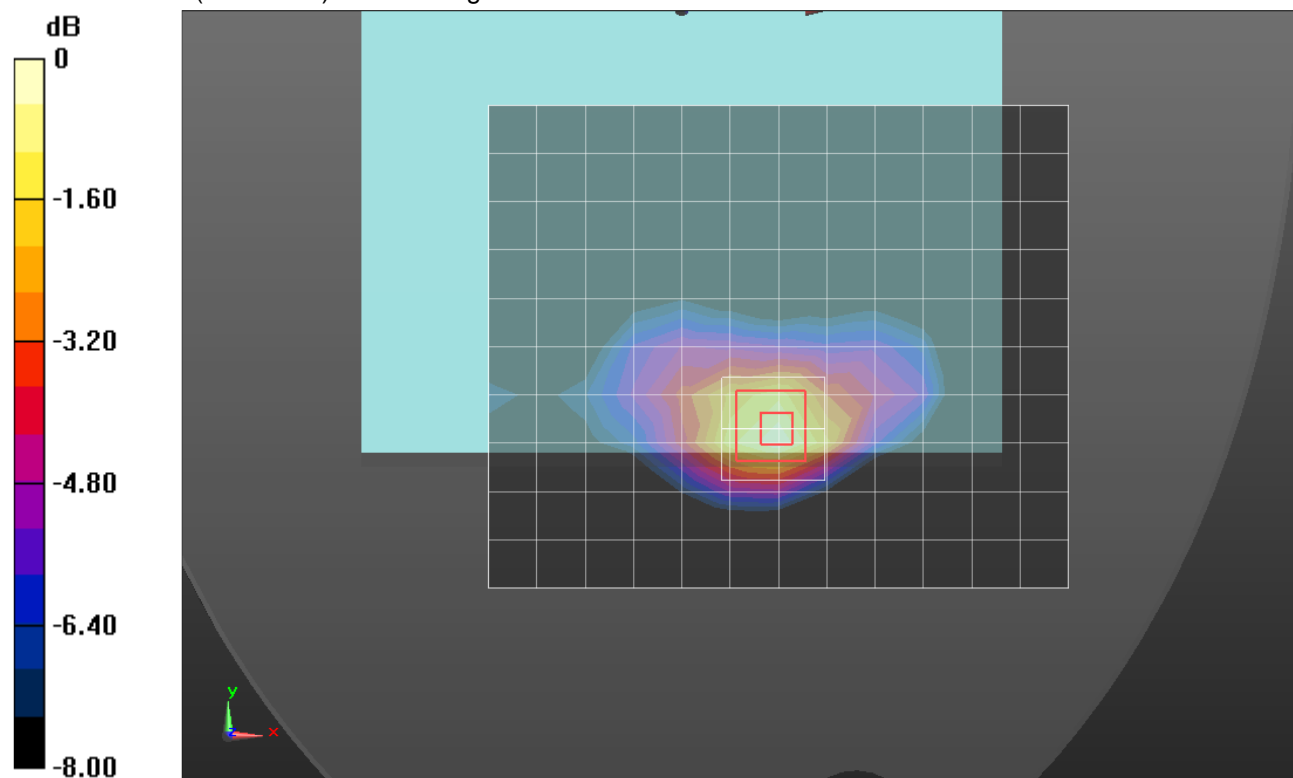
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.53 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.716 W/kg

Maximum value of SAR (measured) = 1.86 W/kg



0 dB = 1.76 W/kg = 2.45 dBW/kg

W-CDMA Band II - Power Reduction

Frequency: 1852.4 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 38.197$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(8.43, 8.43, 8.43) @ 1852.4 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 001 BB; Serial: 1212

Rear Tilt (Edge4 Side) 0mm/RMC Rel. 99_ch 9262/Area Scan (13x11x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.59 W/kg

Rear Tilt (Edge4 Side) 0mm/RMC Rel. 99_ch 9262/Zoom Scan (5x5x7)/Cube 0: Measurement

grid: dx=8mm, dy=8mm, dz=5mm

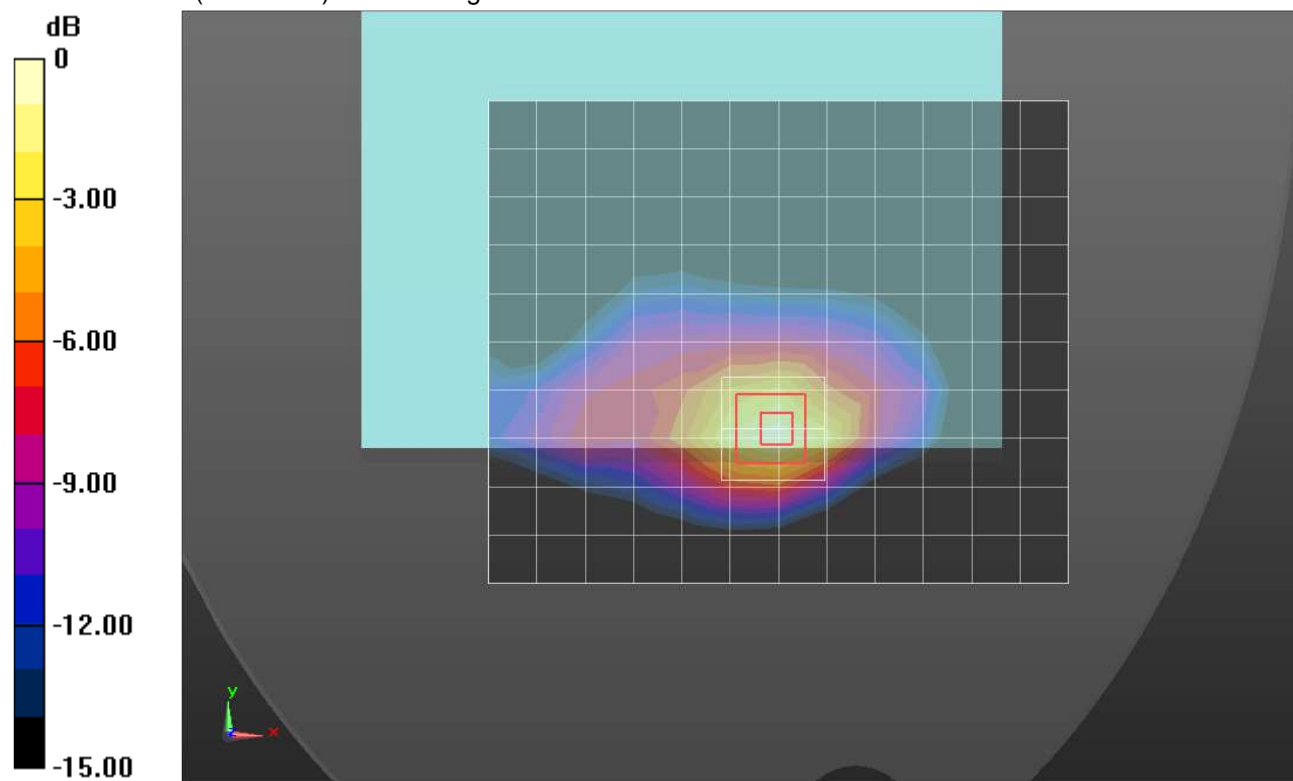
Reference Value = 30.97 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.560 W/kg

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

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



0 dB = 1.59 W/kg = 2.01 dBW/kg

W-CDMA Band IV - Full Power

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 38.639$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 8/11/2021
- Probe: EX3DV4 - SN7569; ConvF(8.36, 8.36, 8.36); Calibrated: 4/26/2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Rear Tilt (Edge4 side) 9mm 2/RMC Rel. 99_ch 1413/Area Scan (13x11x1): Measurement grid: dx=15mm, dy=15mm

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

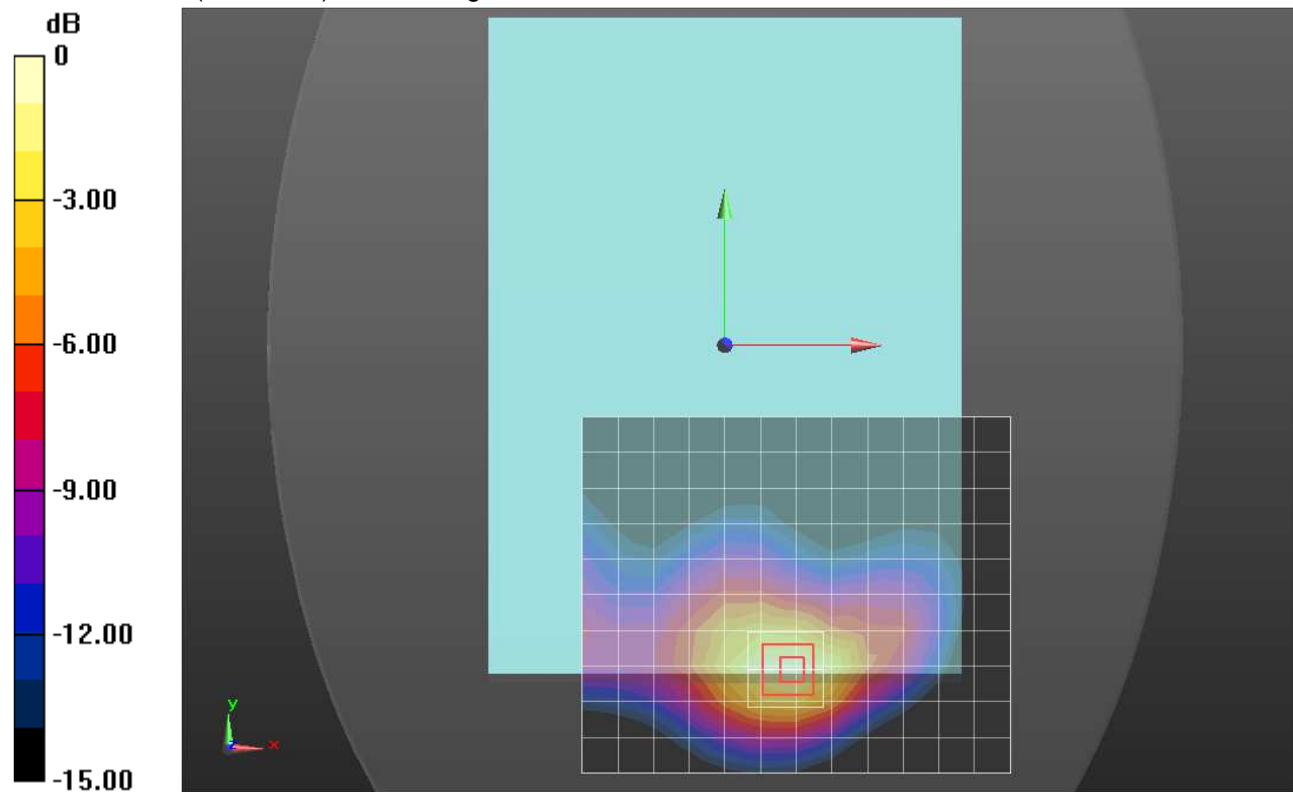
Maximum value of SAR (measured) = 1.74 W/kg

Rear Tilt (Edge4 side) 9mm 2/RMC Rel. 99_ch 1413/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 33.606 V/m; Power Drift = -0.11 dB
 Peak SAR (extrapolated) = 1.98 W/kg
SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.709 W/kg

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

Maximum value of SAR (measured) = 1.69 W/kg



0 dB = 1.74 W/kg = 2.41 dBW/kg

W-CDMA Band IV - Power Reduction

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used (interpolated): $f = 1732.6 \text{ MHz}$; $\sigma = 1.359 \text{ S/m}$; $\epsilon_r = 38.639$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 8/11/2021
- Probe: EX3DV4 - SN7569; ConvF(8.36, 8.36, 8.36); Calibrated: 4/26/2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Edge4 0mm Repeat/RMC Rel. 99_ch 1413 Repeat/Area Scan (7x20x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

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

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

Edge4 0mm Repeat/RMC Rel. 99_ch 1413 Repeat/Zoom Scan (5x5x7)/Cube 0: Measurement

grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

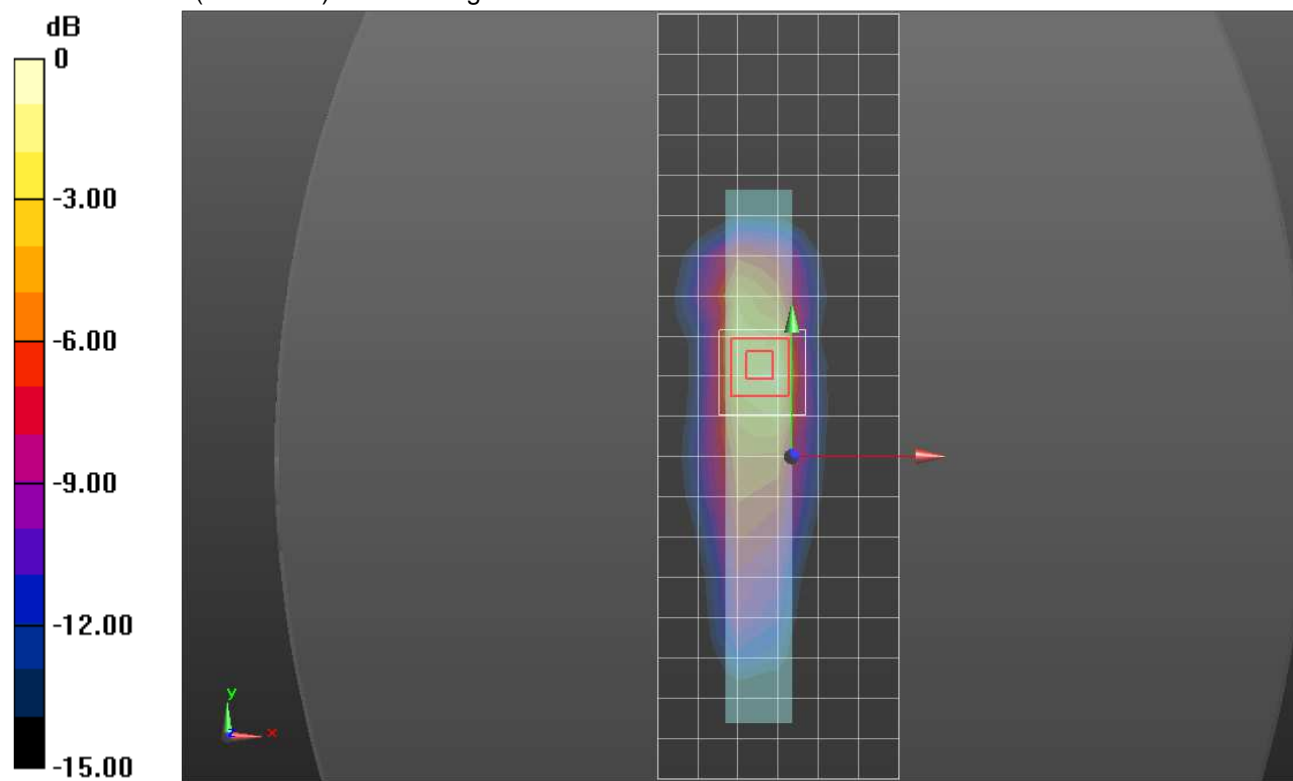
Reference Value = 25.773 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.482 W/kg

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

Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.58 dBW/kg

W-CDMA Band V - Full Power

Frequency: 846.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.939$ S/m; $\epsilon_r = 40.805$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.18, 10.18, 10.18) @ 846.6 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Rear Tilt (Edge4 side) 9mm/RMC Rel. 99_ch 4233/Area Scan (13x11x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.23 W/kg

Rear Tilt (Edge4 side) 9mm/RMC Rel. 99_ch 4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

grid: dx=8mm, dy=8mm, dz=5mm

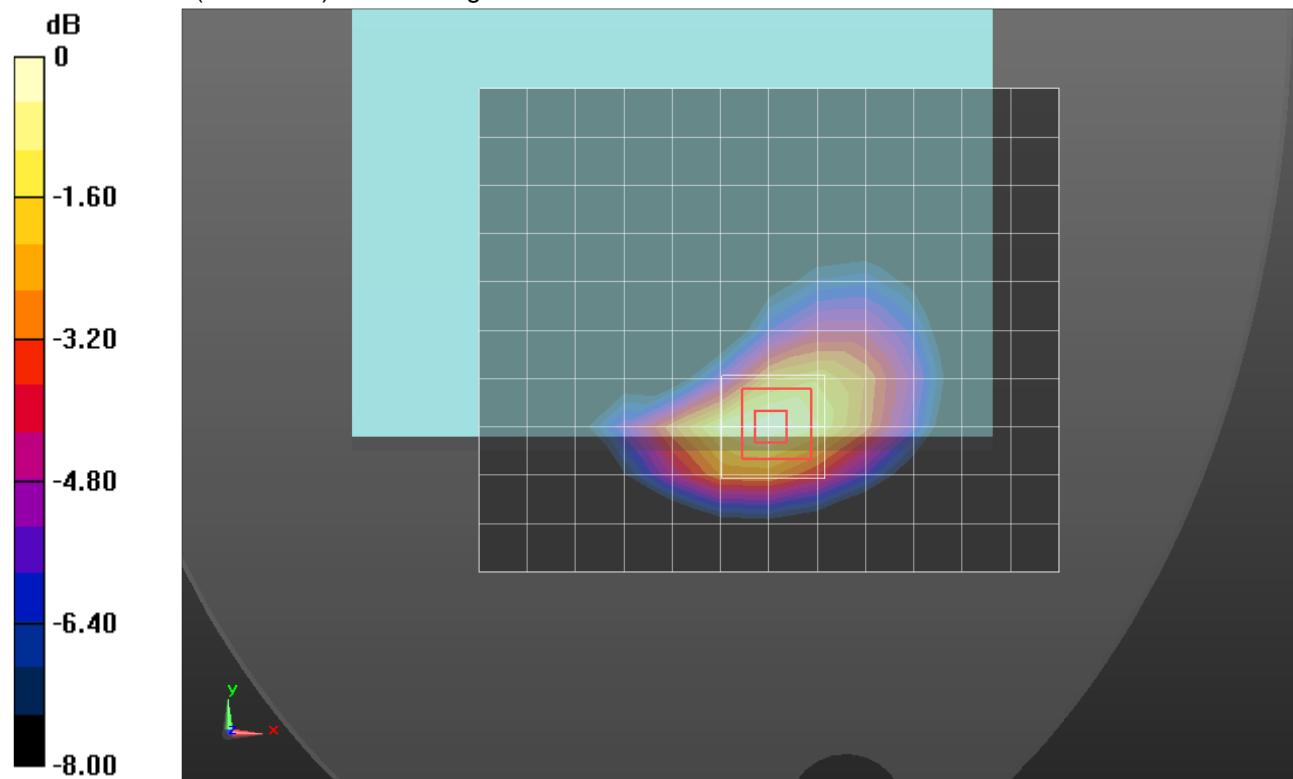
Reference Value = 33.62 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.554 W/kg

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

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.23 W/kg = 0.88 dBW/kg

W-CDMA Band V - Power Reduction

Frequency: 846.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.939$ S/m; $\epsilon_r = 40.805$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.18, 10.18, 10.18) @ 846.6 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Edge4 0mm/RMC Rel. 99_ch 4233/Area Scan (7x20x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.876 W/kg

Edge4 0mm/RMC Rel. 99_ch 4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

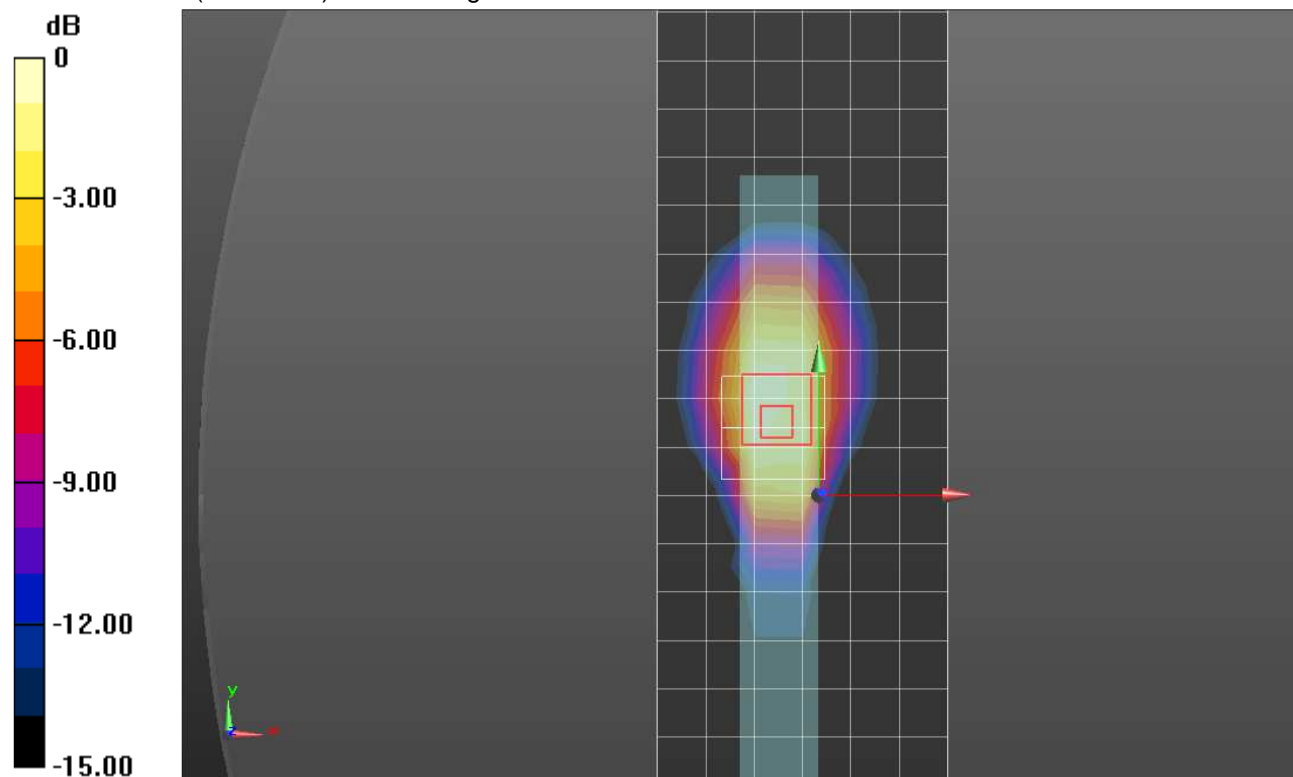
Reference Value = 28.52 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.800 W/kg; SAR(10 g) = 0.432 W/kg

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

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



0 dB = 0.876 W/kg = -0.57 dBW/kg

LTE Band 2 - Power Reduction

Frequency: 1860 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 38.176$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(8.43, 8.43, 8.43) @ 1860 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD 0VA 001 BB; Serial: 1212

Rear Tilt (Edge4 side) 0mm/QPSK RB 1,0 Ch 18700/Area Scan (13x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.20 W/kg

Rear Tilt (Edge4 side) 0mm/QPSK RB 1,0 Ch 18700/Zoom Scan (5x5x7)/Cube 0:

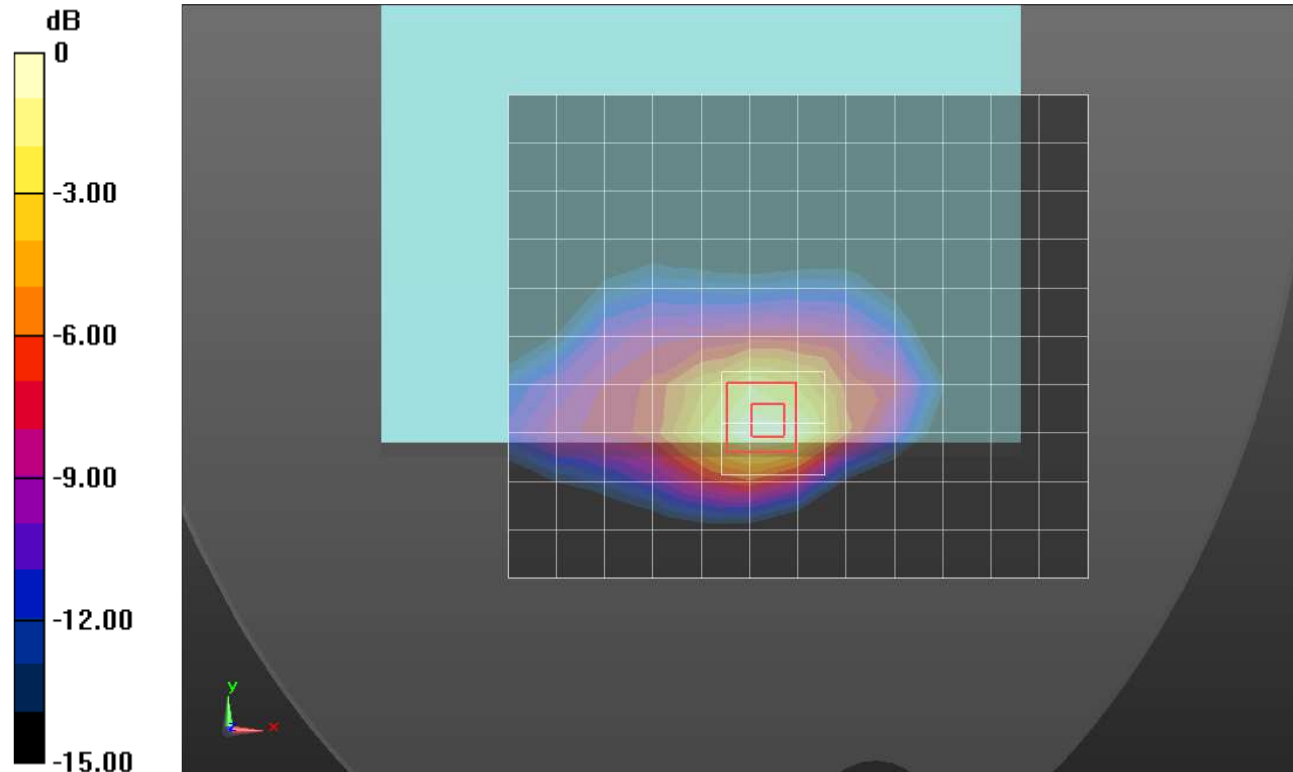
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 27.02 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.465 W/kg

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



0 dB = 1.20 W/kg = 0.79 dBW/kg

LTE Band 7 - Full Power

Exposure Conditions

Band	Band 7, E-UTRA/FDD	TSL Permittivity	39.4
Frequency [MHz] Channel Number	2535.0 21100	TSL Conductivity [S/m]	1.96
Group UID	LTE-FDD 10169-CAE	Phantom Section TSL	Flat HSL
Conversion Factor	8.01	Test Distance [mm]	9.00
Communication Configuration	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO		
Position	Rear		

Hardware Setup

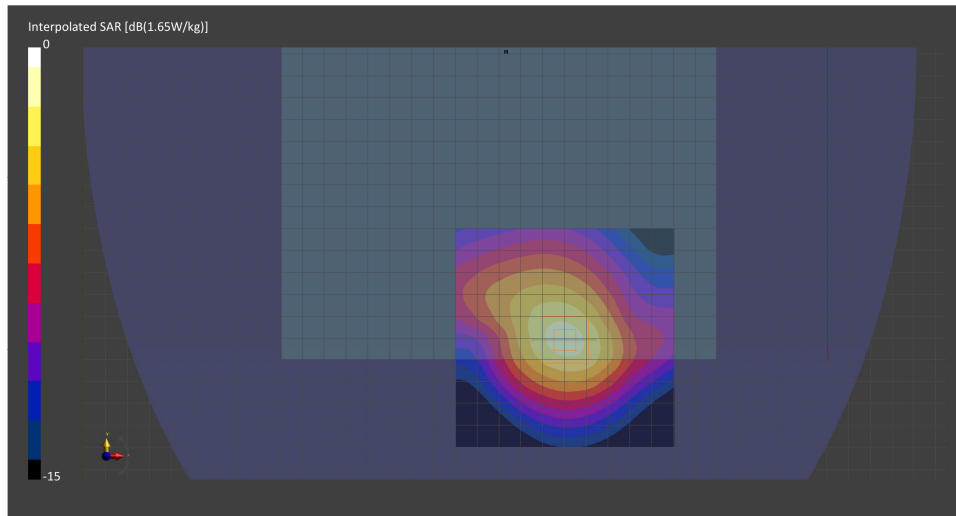
Probe Calibration Date	EX3DV4 - SN7711 2022-03-11	Phantom	ELI V8.0 (20deg probe tilt)
DAE Calibration Date	DAE4 Sn1716 2022-03-08	TSL Type	HBBL-600-10000

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
M2/M1 [%]		79.6
Dist 3dB Peak [mm]		19.1

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.852	0.857
psSAR10g [W/Kg]	0.468	0.472
Power Drift [dB]	-0.01	0.00



LTE Band 7 - Power Reduction

Frequency: 2510 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.914$ S/m; $\epsilon_r = 38.911$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 8/11/2021
- Probe: EX3DV4 - SN7569; ConvF(7.49, 7.49, 7.49); Calibrated: 4/26/2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Edge4 0mm/QPSK RB 1,0 Ch 20850/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 1.33 W/kg

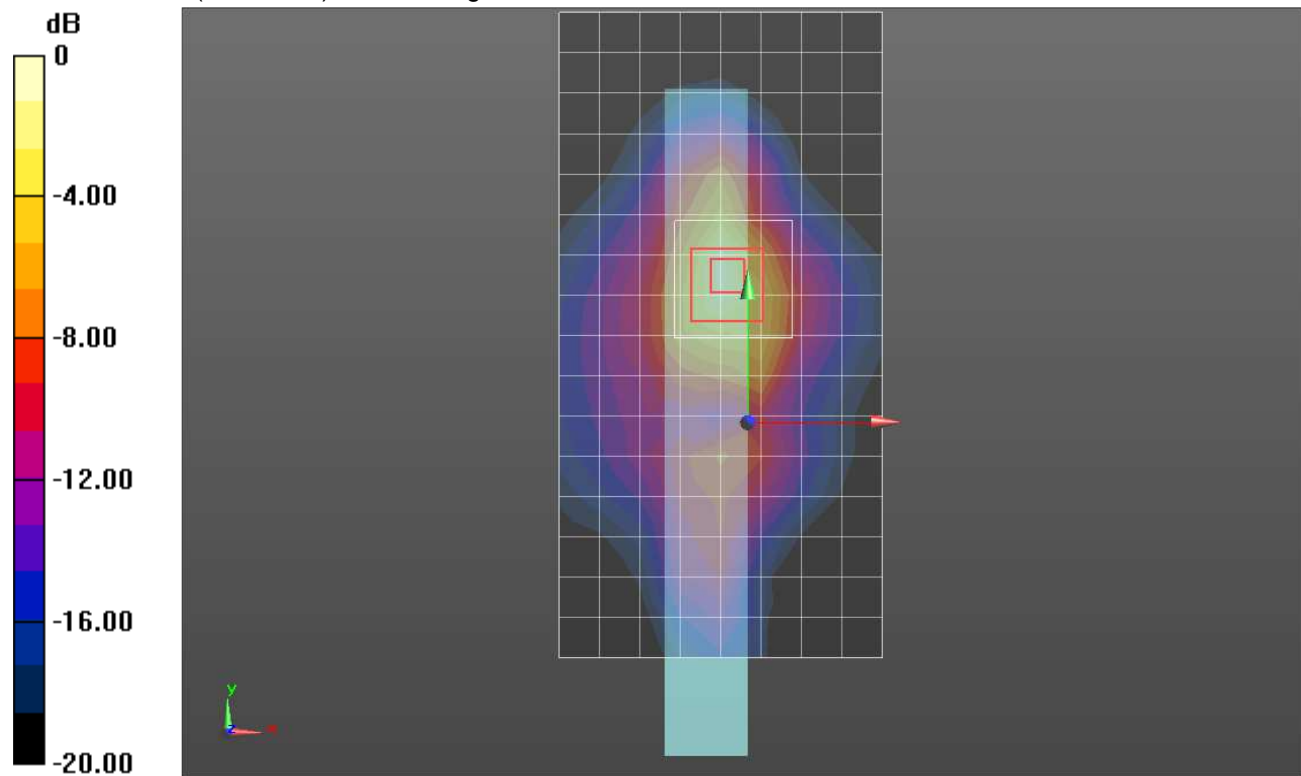
Edge4 0mm/QPSK RB 1,0 Ch 20850/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.153 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.899 W/kg; SAR(10 g) = 0.406 W/kg

Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 1.54 W/kg = 1.88 dBW/kg

LTE Band 12 - Full Power

Frequency: 707.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 43.369$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.59, 10.59, 10.59) @ 707.5 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD 0VA 001 BB; Serial: 1212

Reat Tilt (Edge4 side) 9mm/QPSK RB 1,25 Ch 23095/Area Scan (13x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.613 W/kg

Reat Tilt (Edge4 side) 9mm/QPSK RB 1,25 Ch 23095/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

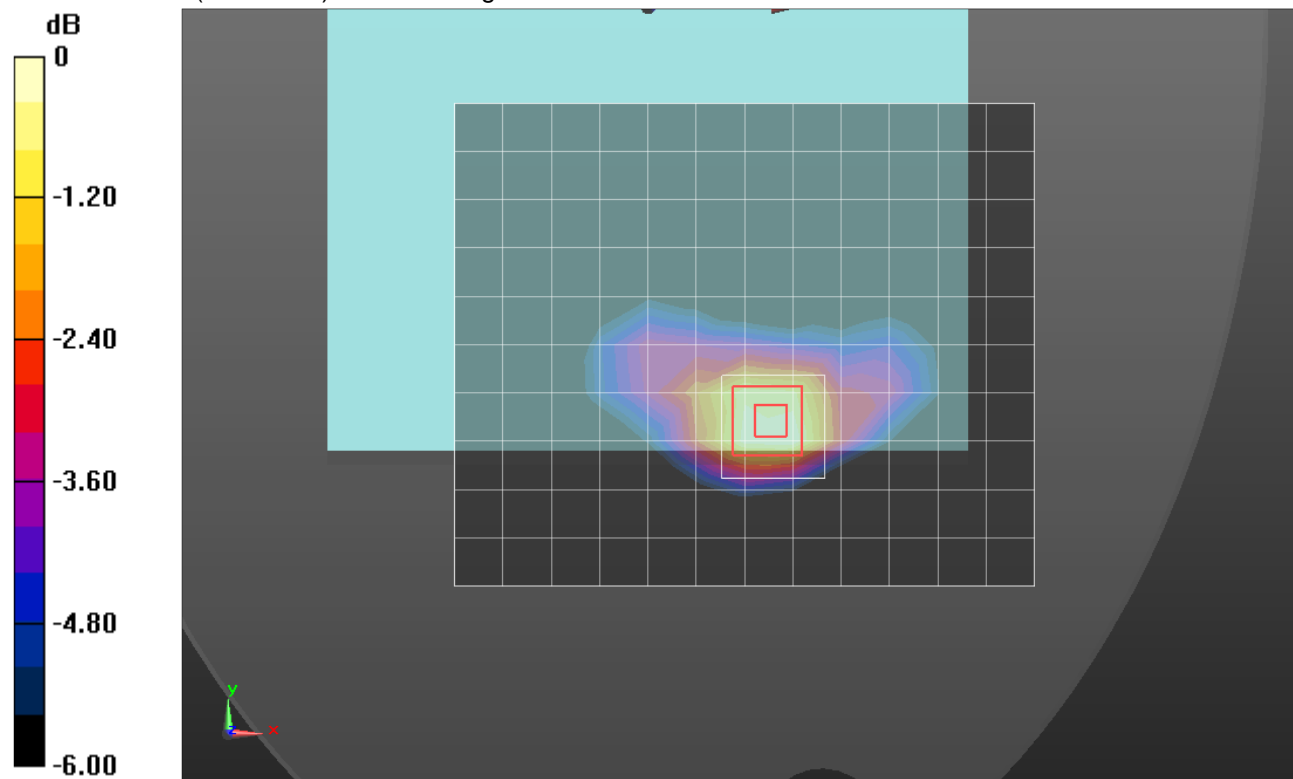
Reference Value = 24.00 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.879 W/kg

SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.282 W/kg

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

Maximum value of SAR (measured) = 0.732 W/kg



0 dB = 0.613 W/kg = -2.13 dBW/kg

LTE Band 12 - Power Reduction

Frequency: 707.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 43.369$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.59, 10.59, 10.59) @ 707.5 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD 0VA 001 BB; Serial: 1212

Edge4 0mm/QPSK RB 50,0 Ch 23095/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.23 W/kg

Edge4 0mm/QPSK RB 50,0 Ch 23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

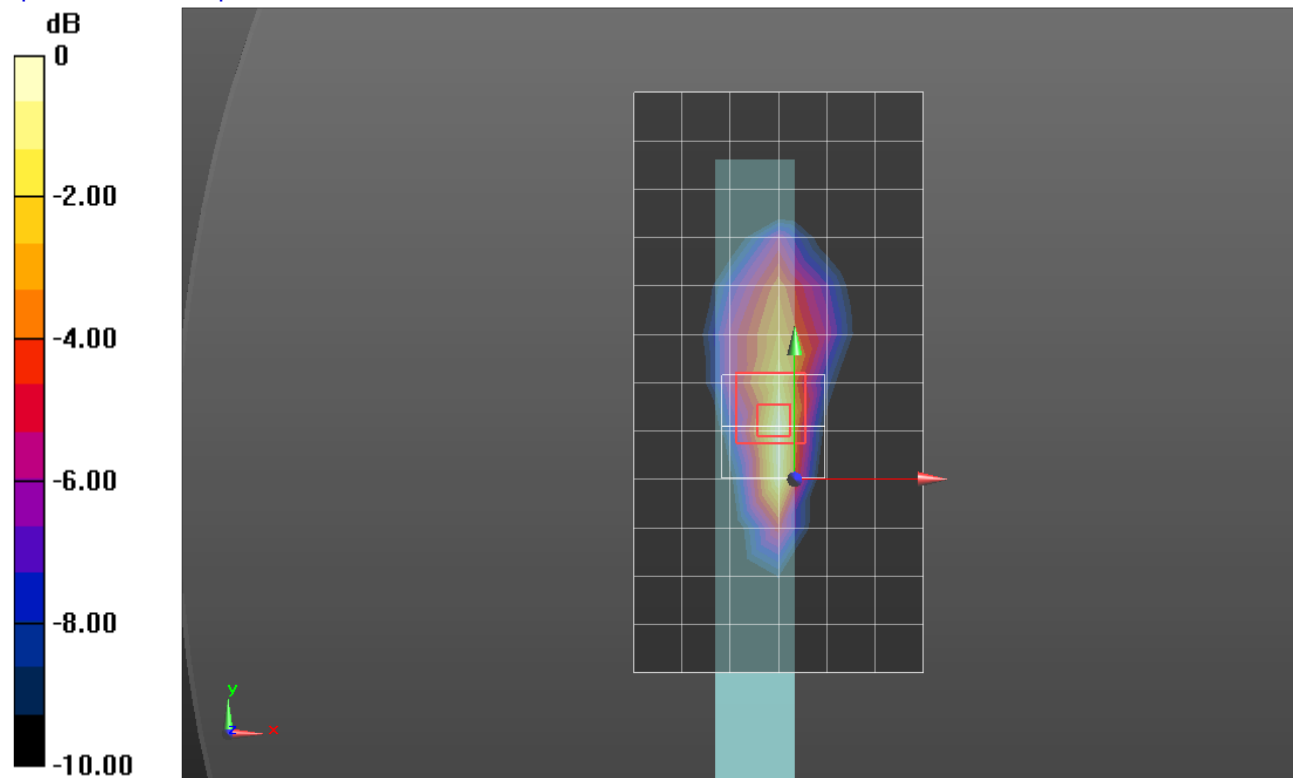
Reference Value = 33.72 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.70 W/kg

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.391 W/kg

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



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

LTE Band 13 - Full Power

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 40.724$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.59, 10.59, 10.59) @ 782 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD 0VA 001 BB; Serial: 1212

Edge4 19mm/QPSK RB 1,0 Ch 23230/Area Scan (7x13x1):

Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.898 W/kg

Edge4 19mm/QPSK RB 1,0 Ch 23230/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

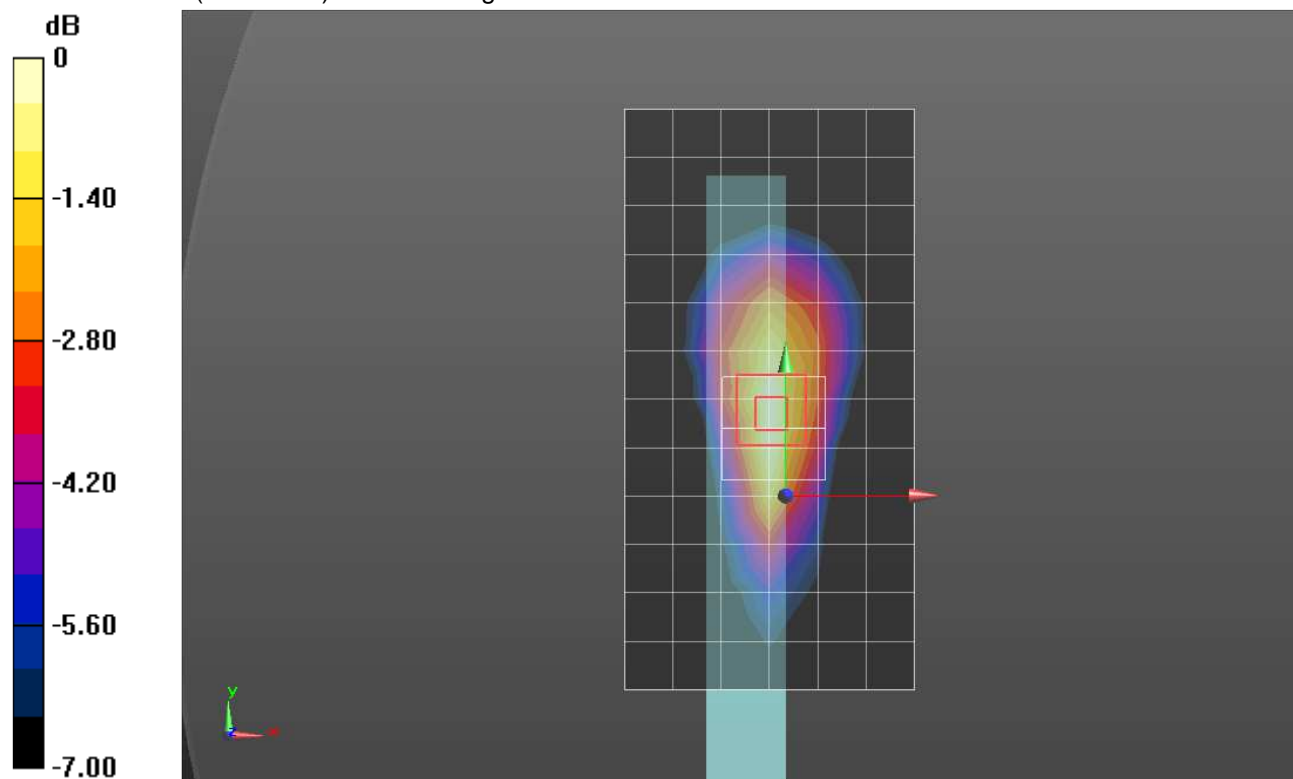
Reference Value = 29.70 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.668 W/kg; SAR(10 g) = 0.424 W/kg

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

Maximum value of SAR (measured) = 0.929 W/kg



0 dB = 0.898 W/kg = -0.47 dBW/kg

LTE Band 13 - Power Reduction

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 40.724$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.59, 10.59, 10.59) @ 782 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD 0VA 001 BB; Serial: 1212

Edge4 0mm/QPSK RB 1,25 Ch 23230/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.43 W/kg

Edge4 0mm/QPSK RB 1,25 Ch 23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

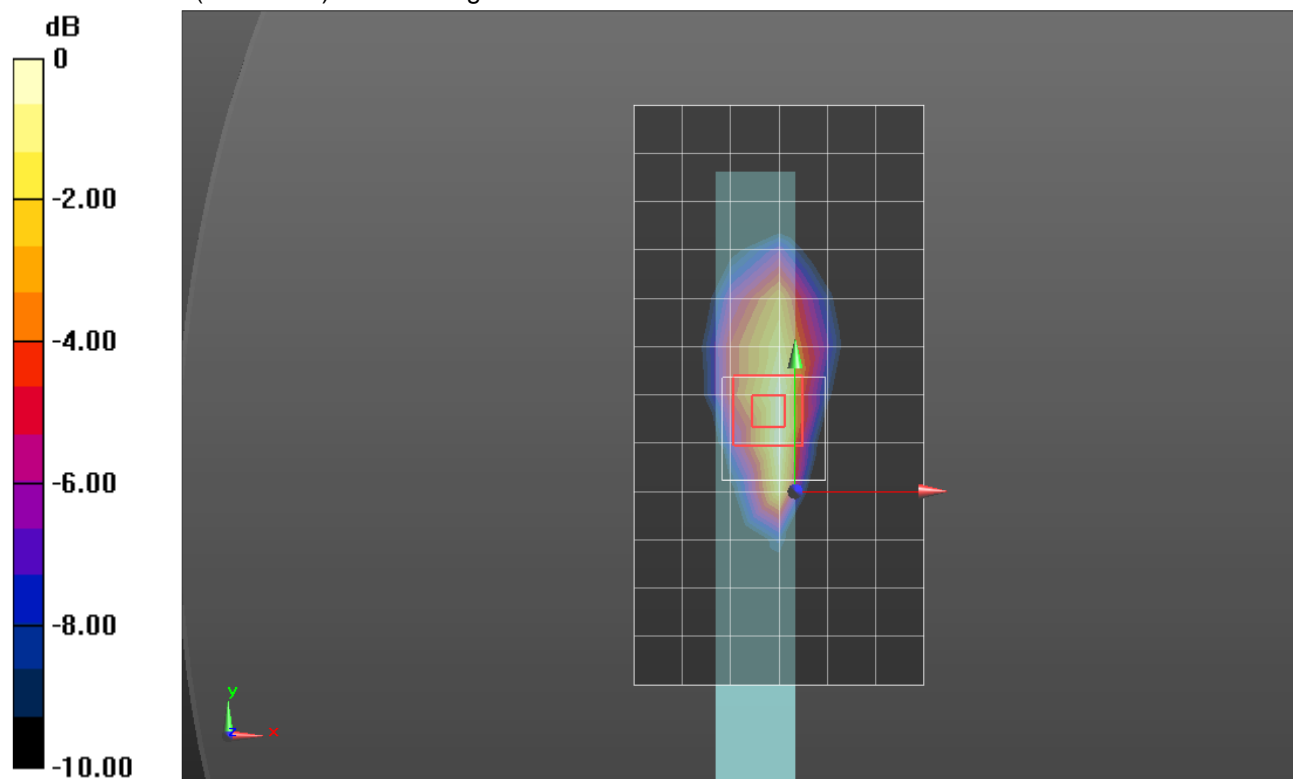
Reference Value = 35.10 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.489 W/kg

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

Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

LTE Band 14 - Full Power

Frequency: 793 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.936 \text{ S/m}$; $\epsilon_r = 43.078$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.59, 10.59, 10.59) @ 793 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD 0VA 001 BB; Serial: 1212

Rear Tilt (Edge4 side) 9mm/QPSK RB 1,0 Ch 23330/Area Scan (13x11x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

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

Maximum value of SAR (measured) = 0.523 W/kg

Rear Tilt (Edge4 side) 9mm/QPSK RB 1,0 Ch 23330/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

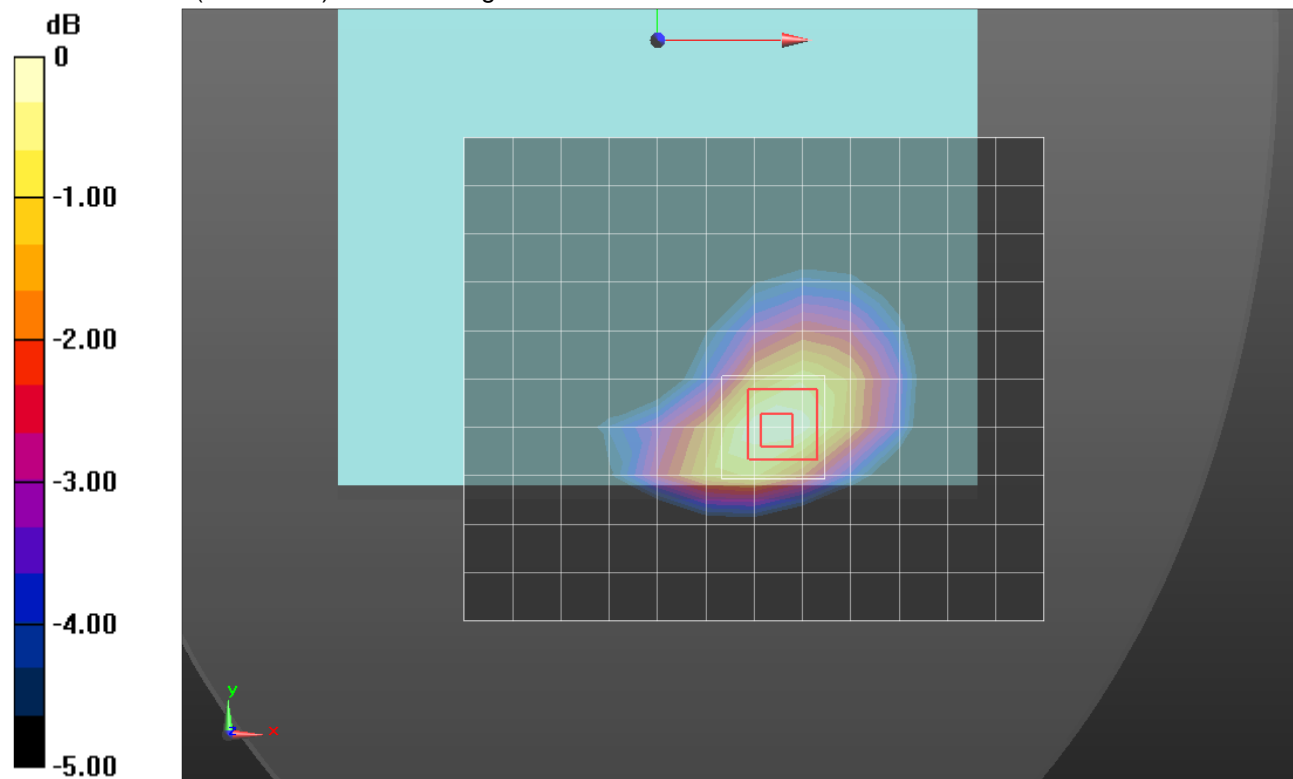
Reference Value = 22.03 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.620 W/kg

SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.272 W/kg

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

Maximum value of SAR (measured) = 0.532 W/kg



0 dB = 0.523 W/kg = -2.81 dBW/kg

LTE Band 14 - Power Reduction

Frequency: 793 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.913 \text{ S/m}$; $\epsilon_r = 40.68$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.59, 10.59, 10.59) @ 793 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD 0VA 001 BB; Serial: 1212

Edge4 0mm/QPSK RB 50,0 Ch 23330/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

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

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

Edge4 0mm/QPSK RB 50,0 Ch 23330/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

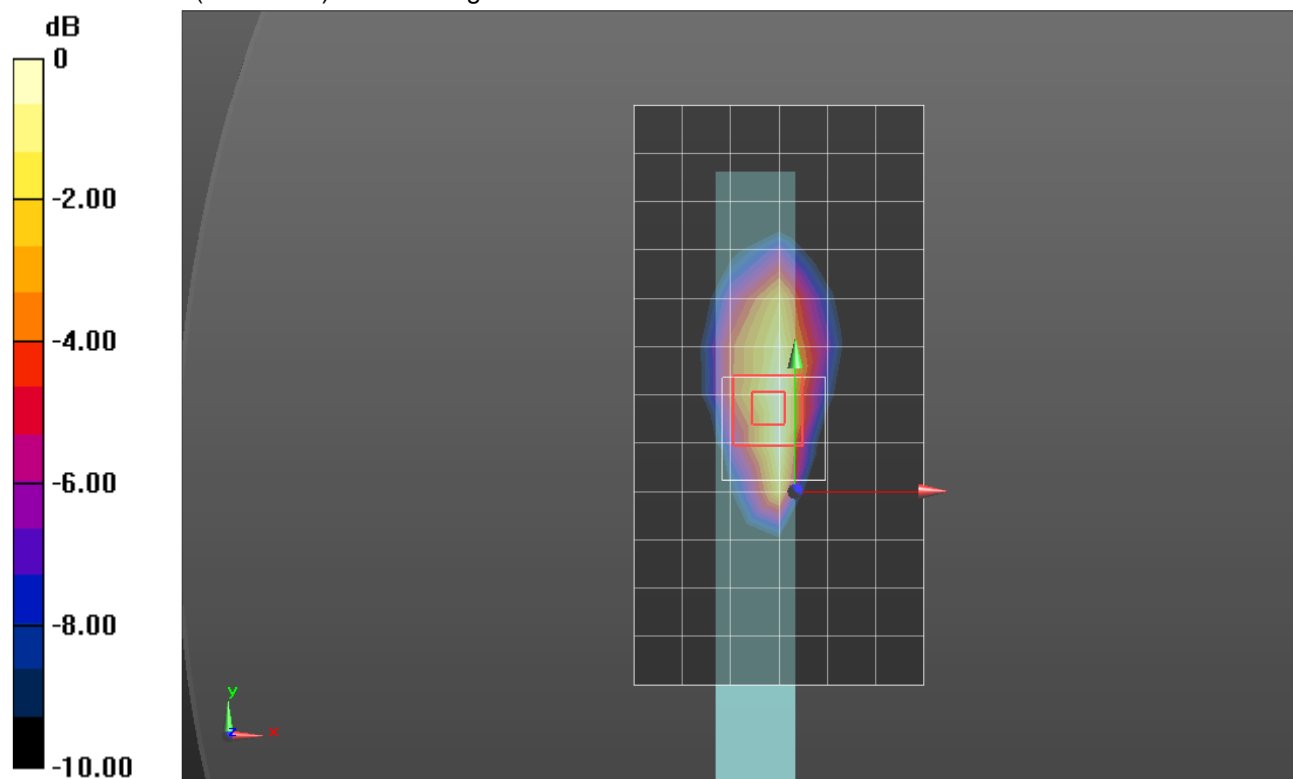
Reference Value = 33.37 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.472 W/kg

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

Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.34 W/kg = 1.26 dBW/kg

LTE Band 25 - Full Power

Frequency: 1860 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 38.176$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(8.43, 8.43, 8.43) @ 1860 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD 0VA 001 BB; Serial: 1212

Rear Tilt (Edge4 Side) 9mm/QPSK RB 1,0 Ch 26140/Area Scan (13x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

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

Rear Tilt (Edge4 Side) 9mm/QPSK RB 1,0 Ch 26140/Zoom Scan (5x5x7)/Cube 0:

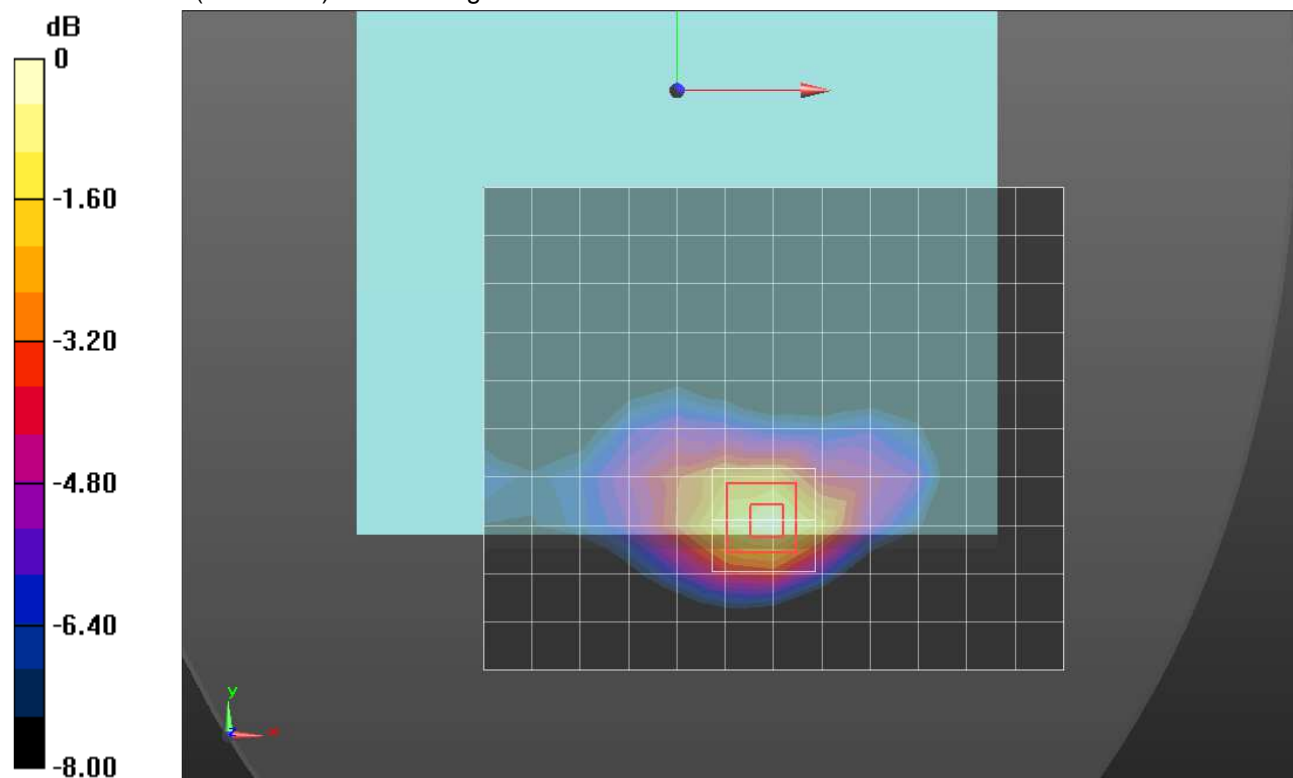
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 31.57 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.653 W/kg

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



0 dB = 1.64 W/kg = 2.15 dBW/kg

LTE Band 25 - Power Reduction

Frequency: 1860 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 38.176$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(8.43, 8.43, 8.43) @ 1860 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD 0VA 001 BB; Serial: 1212

Rear Tilt (Edge4 Side) 0mm/QPSK RB 50,0 Ch 26140/Area Scan (13x11x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

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

Rear Tilt (Edge4 Side) 0mm/QPSK RB 50,0 Ch 26140/Zoom Scan (5x5x7)/Cube 0:

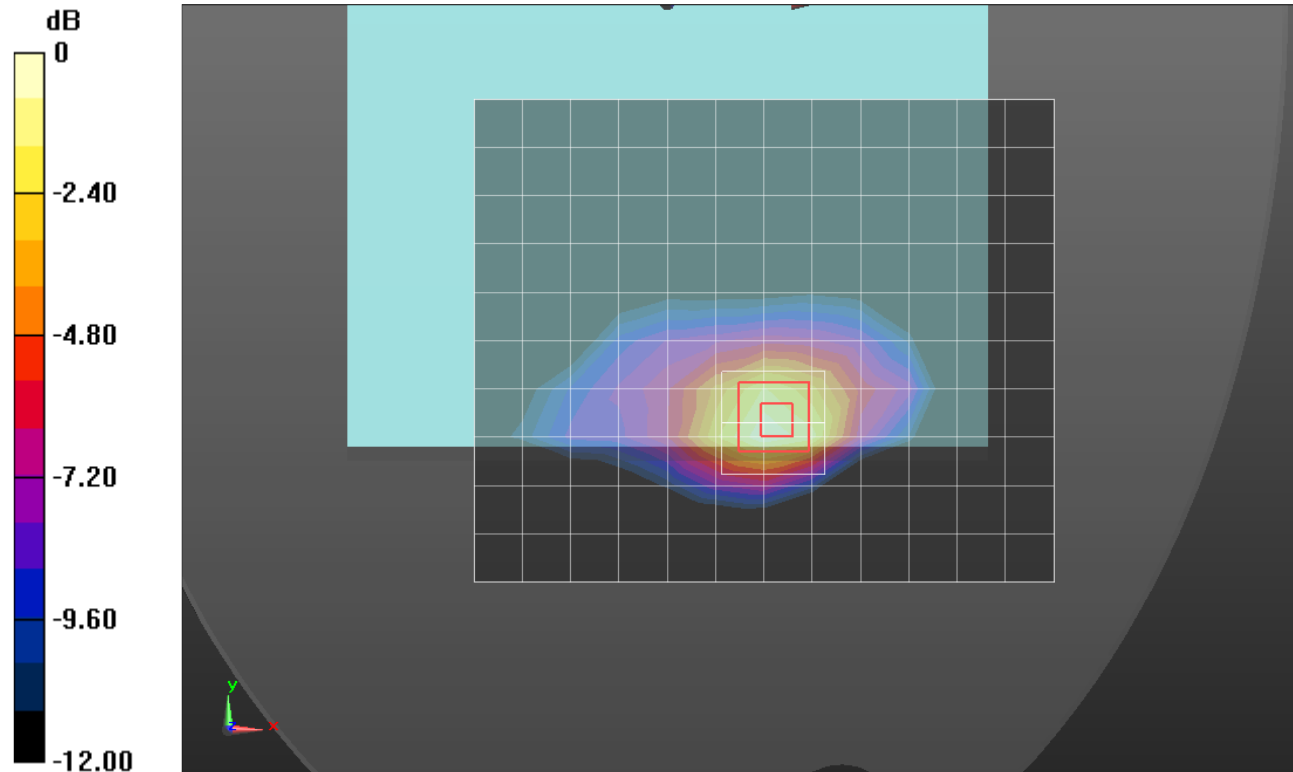
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 26.96 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.926 W/kg; SAR(10 g) = 0.482 W/kg

Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.21 W/kg = 0.82 dBW/kg

LTE Band 26 - Full Power

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used (interpolated): $f = 831.5 \text{ MHz}$; $\sigma = 0.933 \text{ S/m}$; $\epsilon_r = 40.844$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.18, 10.18, 10.18) @ 831.5 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD 0VA 002 BB; Serial: 1212

Rear Tilt (Edge4 side) 9mm/QPSK RB 1,0 Ch 26865 2/Area Scan (13x11x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

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

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

Rear Tilt (Edge4 side) 9mm/QPSK RB 1,0 Ch 26865 2/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

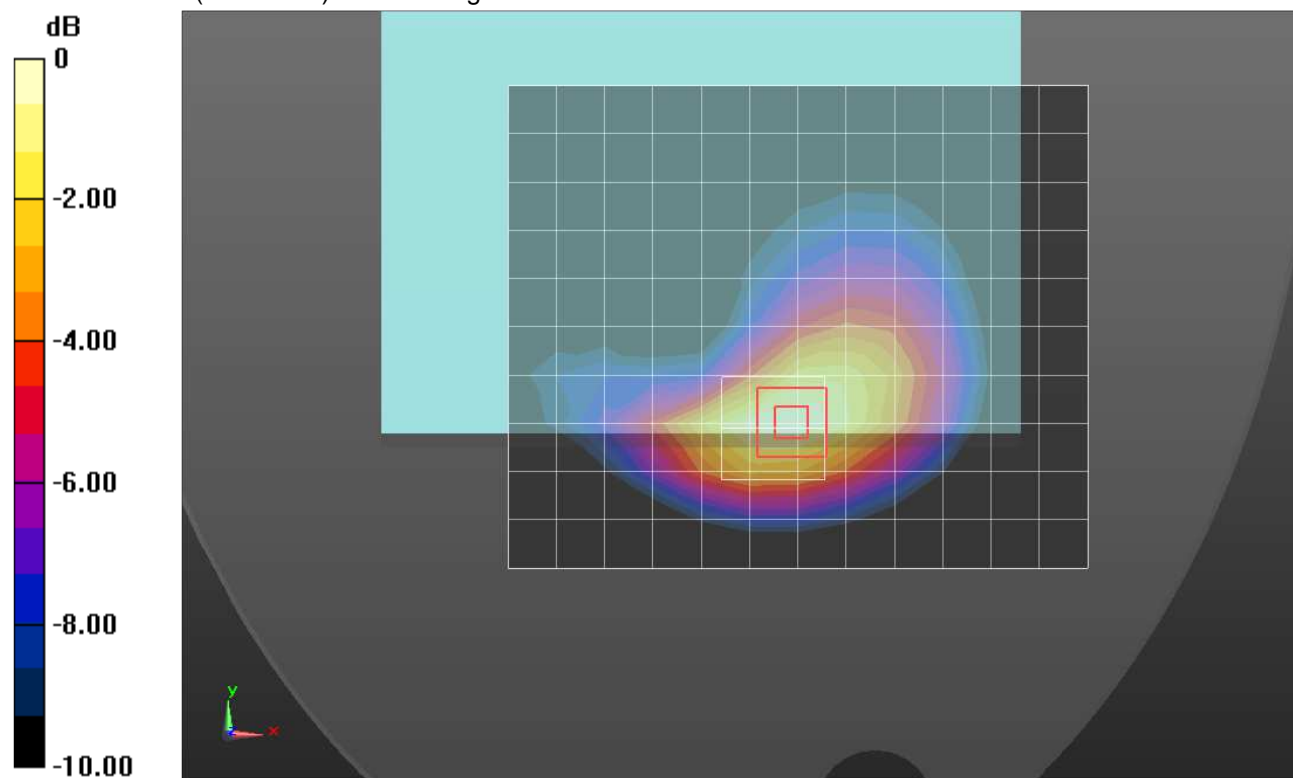
Reference Value = 14.27 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.498 W/kg

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

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



0 dB = 1.04 W/kg = 0.17 dBW/kg

LTE Band 26 - Power Reduction

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.933$ S/m; $\epsilon_r = 40.844$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.18, 10.18, 10.18) @ 831.5 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD 0VA 001 BB; Serial: 1212

Edge4 0mm/QPSK RB 1,0 Ch 26865/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.763 W/kg

Edge4 0mm/QPSK RB 1,0 Ch 26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

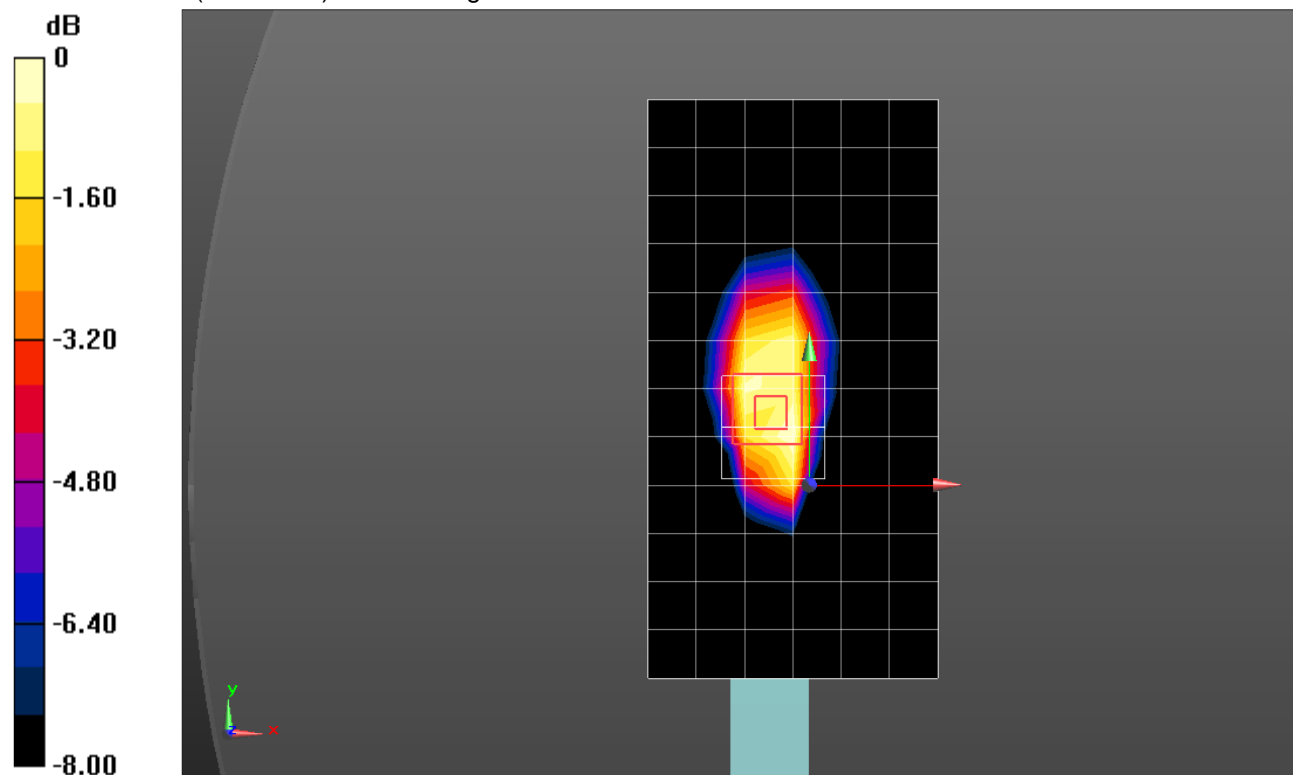
Reference Value = 25.91 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.381 W/kg

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

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



0 dB = 0.763 W/kg = -1.17 dBW/kg

LTE Band 41 - Full Power

Frequency: 2593 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.974$ S/m; $\epsilon_r = 37.527$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 8/11/2021
- Probe: EX3DV4 - SN7569; ConvF(7.49, 7.49, 7.49); Calibrated: 4/26/2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Rear Tilt (Edge4 side) 9mm/QPSK RB 1,0 Ch 40620/Area Scan (16x13x1): Measurement grid:

$dx=12$ mm, $dy=12$ mm

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

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

Rear Tilt (Edge4 side) 9mm/QPSK RB 1,0 Ch 40620/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

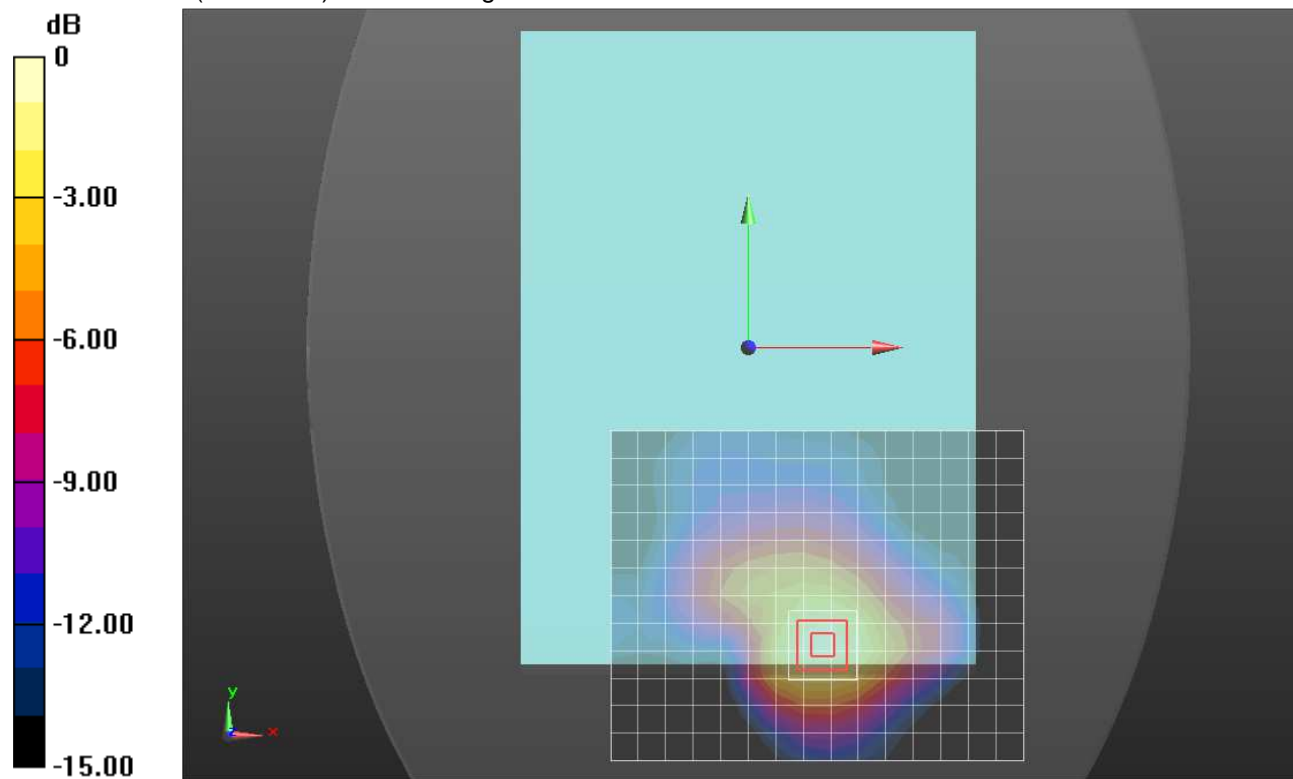
Reference Value = 20.028 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.612 W/kg; SAR(10 g) = 0.333 W/kg

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

Maximum value of SAR (measured) = 0.955 W/kg



0 dB = 0.955 W/kg = -0.20 dBW/kg

LTE Band 41 - Reduced Power

Exposure Conditions

Band	Band 41, E-UTRA/TDD	TSL Permittivity	39.2
Frequency [MHz] Channel Number	2636.5 41055	TSL Conductivity [S/m]	2.05
Group UID	LTE-TDD 10435-AAF	Phantom Section TSL	Flat HSL
Conversion Factor	8.01	Test Distance [mm]	0.00
Communication Configuration	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) RBPosition:Low AntennaCfg:SISO		
Position	Edge4		

Hardware Setup

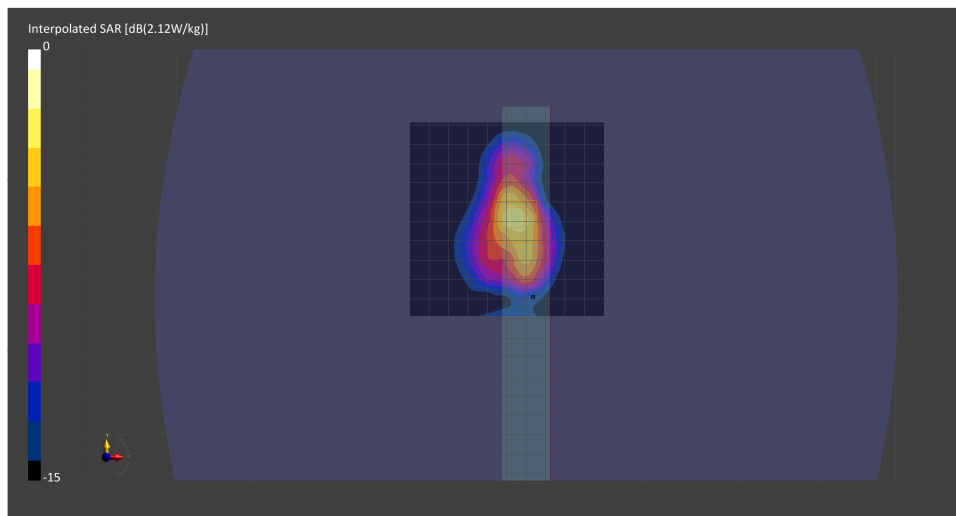
Probe Calibration Date	EX3DV4 - SN7711 2022-03-11	Phantom	ELI V8.0 (20deg probe tilt) SN:2081
DAE Calibration Date	DAE4 Sn1716 2022-03-08	TSL Type	HBBL-600-10000

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
M2/M1 [%]		74.9
Dist 3dB Peak [mm]		8.2

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.840	0.893
psSAR10g [W/Kg]	0.394	0.392
Power Drift [dB]	0.01	0.00



LTE Band 48 - Full Power

Frequency: 3646.7 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used (interpolated): $f = 3646.7$ MHz; $\sigma = 2.91$ S/m; $\epsilon_r = 38.329$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(7.05, 7.05, 7.05); Calibrated: 1/19/2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Edge4 19mm/QPSK RB 1,0 Ch 56207/Area Scan (8x21x1):

Measurement grid: dx=12mm, dy=12mm
 Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.573 W/kg

Edge4 19mm/QPSK RB 1,0 Ch 56207/Zoom Scan (7x7x8)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=4mm

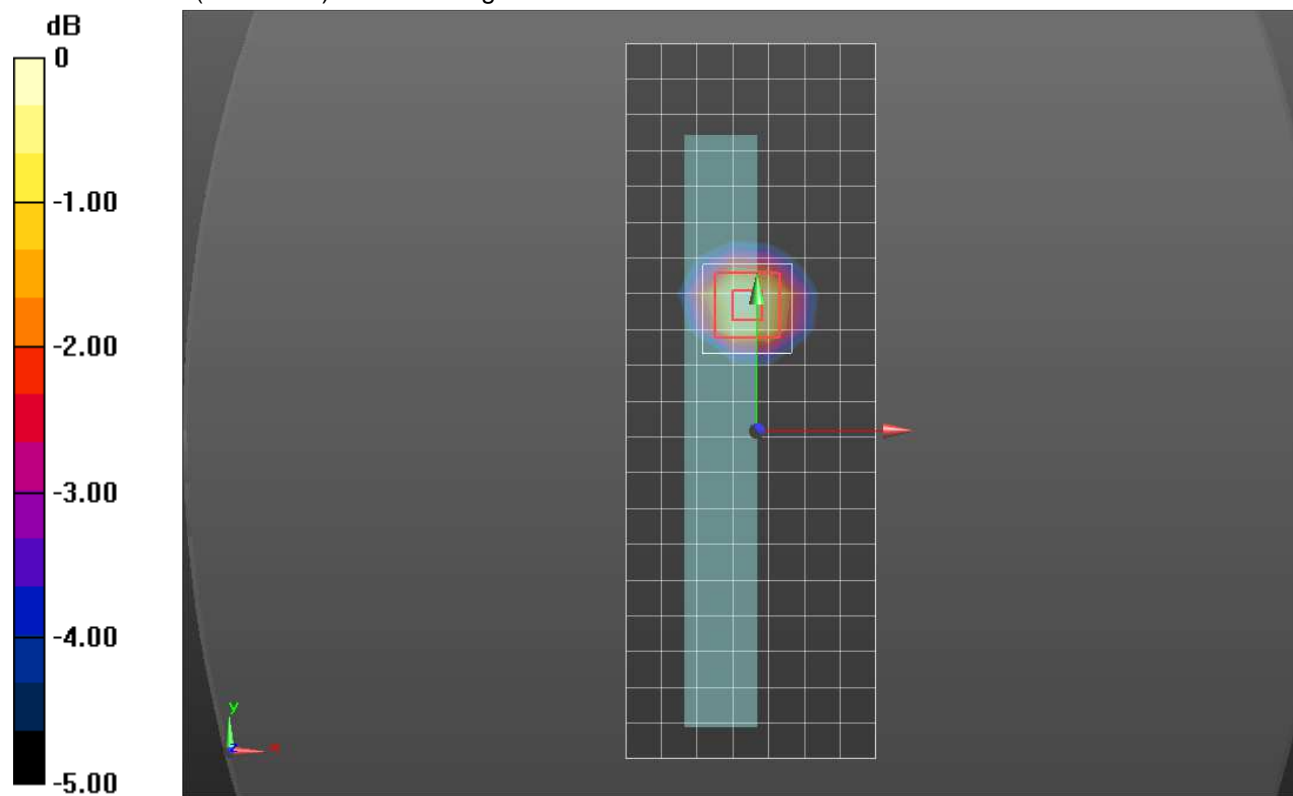
Reference Value = 11.621 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.777 W/kg

SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.164 W/kg

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

Maximum value of SAR (measured) = 0.389 W/kg



0 dB = 0.573 W/kg = -2.42 dBW/kg

LTE Band 48 - Power Reduction

Frequency: 3646.7 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 3646.7$ MHz; $\sigma = 2.91$ S/m; $\epsilon_r = 38.329$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(7.05, 7.05, 7.05); Calibrated: 1/19/2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Edge4 0mm/QPSK RB 1,0 Ch 56207/Area Scan (8x21x1): Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 2.32 W/kg

Edge4 0mm/QPSK RB 1,0 Ch 56207/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

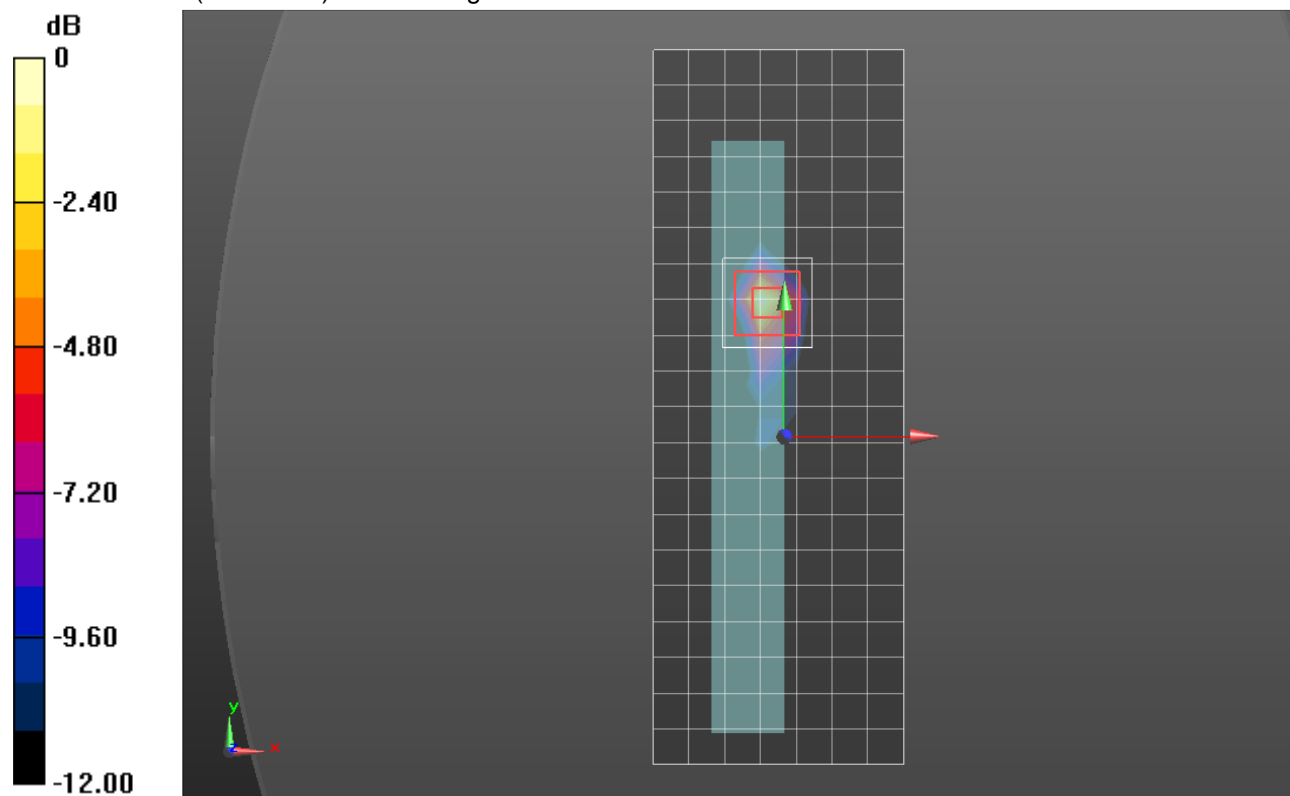
Reference Value = 23.188 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.51 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.364 W/kg

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

Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 2.32 W/kg = 3.65 dBW/kg

LTE Band 66 - Full Power

Exposure Conditions

Band	Band 66, E-UTRA/FDD	TSL Permittivity	38.2
Frequency [MHz] Channel Number	1720.0 132072	TSL Conductivity [S/m]	1.36
Group UID	LTE-FDD 10169-CAE	Phantom Section TSL	Flat HSL
Conversion Factor	8.89	Test Distance [mm]	9.00
Communication Configuration	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO		
Position	Rear		

Hardware Setup

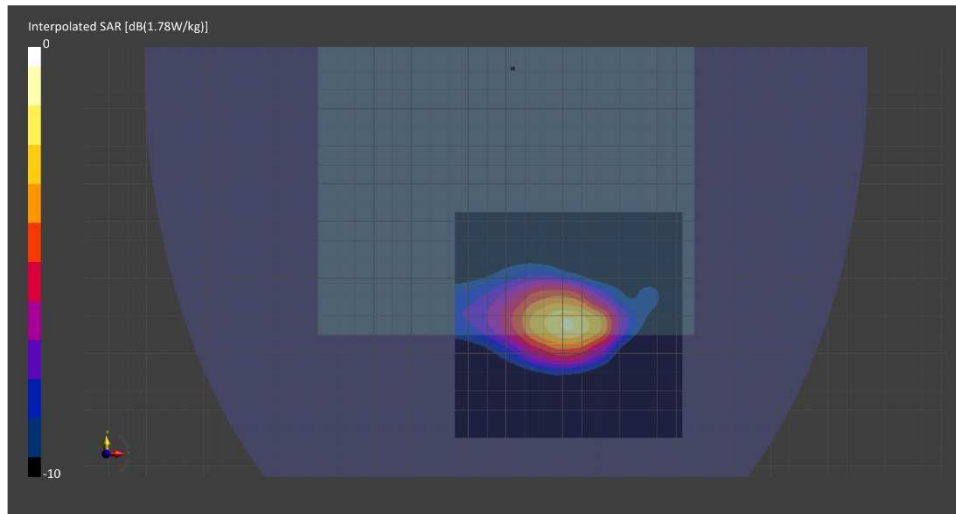
Probe Calibration Date	EX3DV4 - SN7709 2022-02-25	Phantom	ELI V8.0 (20deg probe tilt) - SN2160
DAE Calibration Date	DAE4 Sn1714 2022-02-23	TSL Type	HBBL-600-10000

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	30.0 x 30.0 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
Graded Grid	Yes	Yes
M2/M1 [%]		82.8
Dist 3dB Peak [mm]		13.7

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.03	1.01
psSAR10g [W/Kg]	0.588	0.589
Power Drift [dB]	0.01	0.01



LTE Band 66 - Power Reduction

Frequency: 1770 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

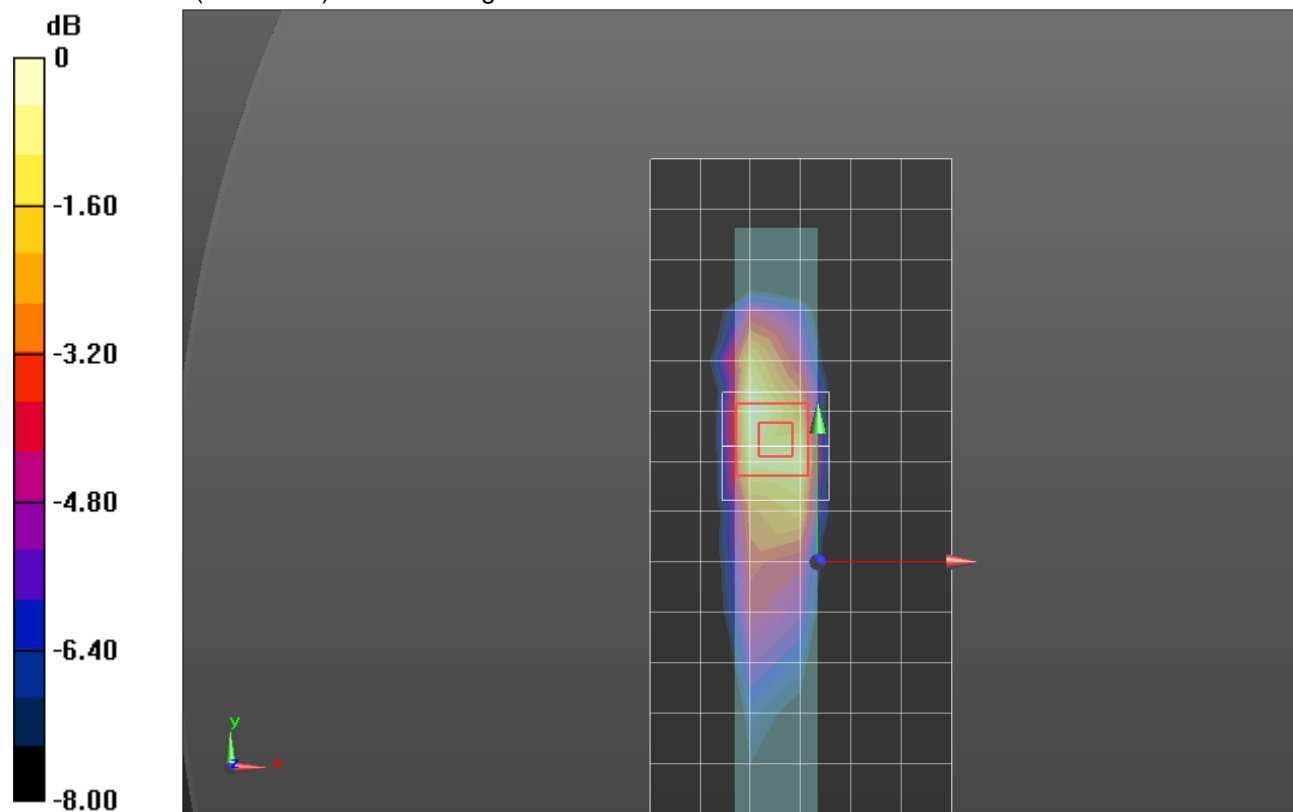
Medium parameters used: $f = 1770 \text{ MHz}$; $\sigma = 1.379 \text{ S/m}$; $\epsilon_r = 38.634$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 8/11/2021
- Probe: EX3DV4 - SN7569; ConvF(8.36, 8.36, 8.36); Calibrated: 4/26/2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Edge4 0mm/QPSK RB 50,0 Ch 132572/Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.888 W/kg

Edge4 0mm/QPSK RB 50,0 Ch 132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 25.958 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.807 W/kg; SAR(10 g) = 0.406 W/kg
 Maximum value of SAR (measured) = 0.928 W/kg



0 dB = 0.888 W/kg = -0.52 dBW/kg