Appendix B. – SAR Test Plots

EUT Type:	**Telematics**
Ambient Temperature:	**22.1 °C**
Liquid Temperature:	**22.0 °C**
Test Date:	**06/09/2025**
Band:	**UMTS Band 5 SAR MIMO1 Ant.**
Distance:	**45 mm**
Plot No.:	**B1**

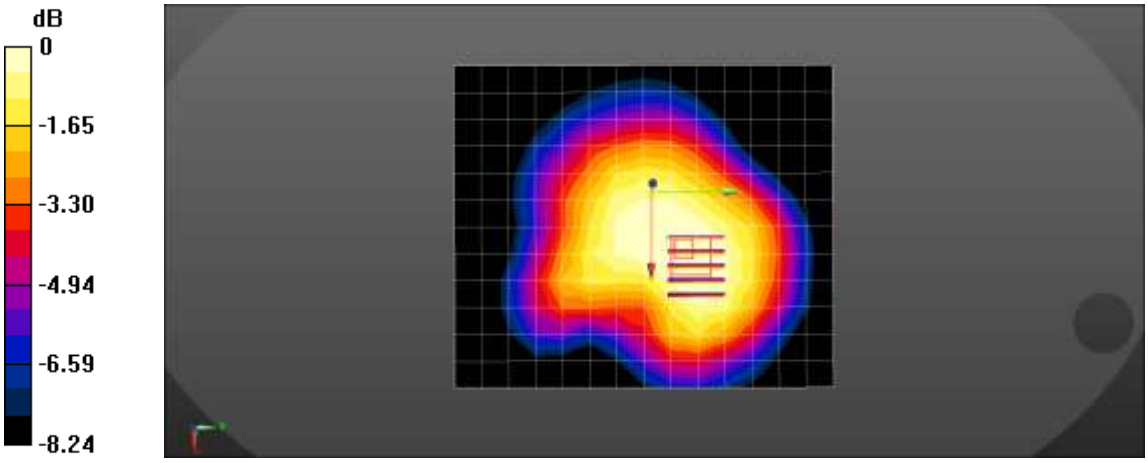
Communication System: UID 10011 - CAC, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.908 S/m; ε_r = 42.182; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(9.86, 10.28, 9.35) @ 836.6 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

UMTS Band 5 Body Rear 4183ch/Area Scan (13x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0712 W/kg

UMTS Band 5 Body Rear 4183ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.576 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.0750 W/kg
SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.045 W/kg
Maximum value of SAR (measured) = 0.0696 W/kg



0 dB = 0.0696 W/kg = -11.57 dBW/kg

EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 22.0 °C
Test Date: 06/09/2025
Band: UMTS Band 5 SAR BUA Ant.
Distance: 22 mm
Plot No.: B2

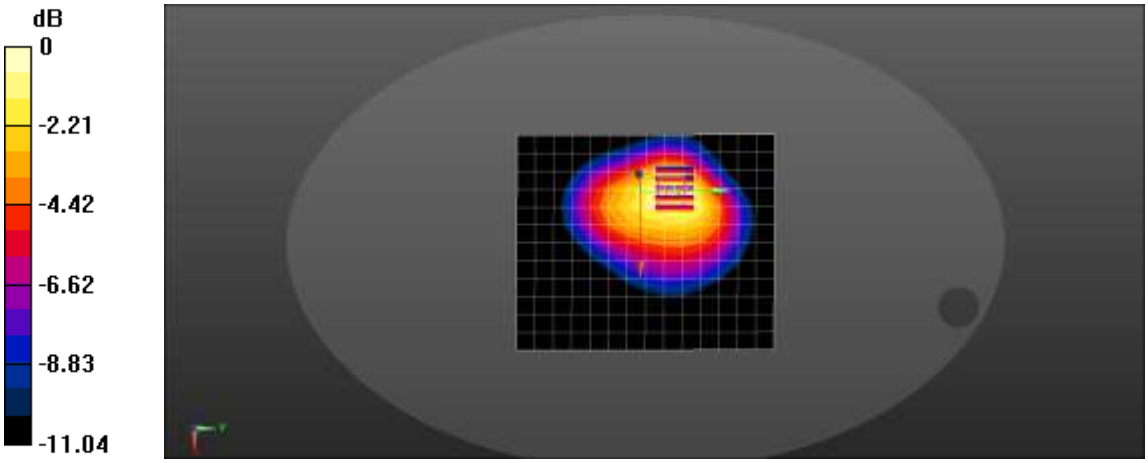
Communication System: UID 10011 - CAC, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.908 S/m; ε_r = 42.182; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(9.86, 10.28, 9.35) @ 836.6 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

UMTS Band 5 Body Rear 4183ch/Area Scan (13x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.198 W/kg

UMTS Band 5 Body Rear 4183ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.13 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.237 W/kg
SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.118 W/kg
Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.214 W/kg = -6.70 dBW/kg

EUT Type: Telematics
Ambient Temperature: 21.1 °C
Liquid Temperature: 20.9 °C
Test Date: 05/07/2025
Band: UMTS Band 2 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B3
Measurement Report for Device, BACK, Band 2, UMTS-FDD (WCDMA), Channel 9400 (1880.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band 2	WCDMA, 10011-CAC	1880.000, 9400	7.34	1.40	40.7

Hardware Setup

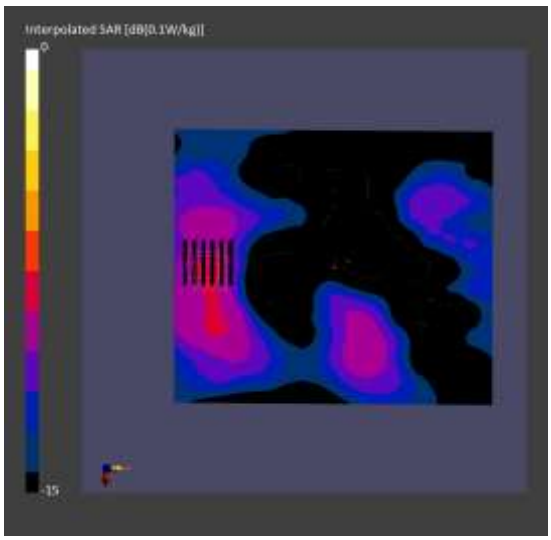
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.012	0.01
psSAR10g [W/Kg]	0.008	0.006
Power Drift [dB]	0.11	0.13



EUT Type: Telematics
Ambient Temperature: 21.1 °C
Liquid Temperature: 20.9 °C
Test Date: 05/07/2025
Band: UMTS Band 2 SAR BUA Ant.
Distance: 22 mm
Plot No.: B4
Measurement Report for Device, BACK, Band 2, UMTS-FDD (WCDMA), Channel 9400 (1880.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 22.00	Band 2	WCDMA, 10011-CAC	1880.000, 9400	7.34	1.40	40.7

Hardware Setup

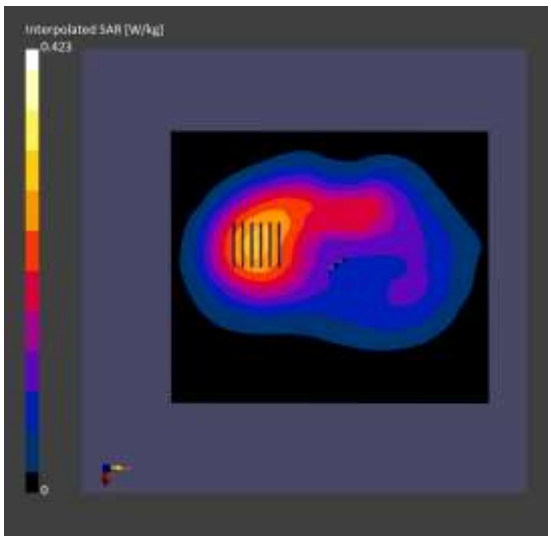
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.248	0.257
psSAR10g [W/Kg]	0.157	0.169
Power Drift [dB]	-0.16	-0.01



EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 21.9 °C
Test Date: 05/20/2025
Band: LTE FDD Band 7 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B5
Measurement Report for Device, BACK, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
AntennaCfg:SISO, Channel 20850 (2510.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band 7	LTE-FDD, 10169-CAF	2510.000, 20850	6.76	1.80	40.4

Hardware Setup

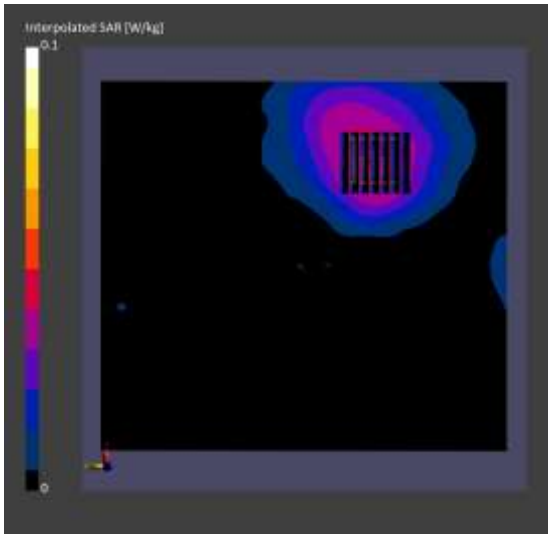
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.040	0.042
psSAR10g [W/Kg]	0.024	0.024
Power Drift [dB]	0.10	-0.18



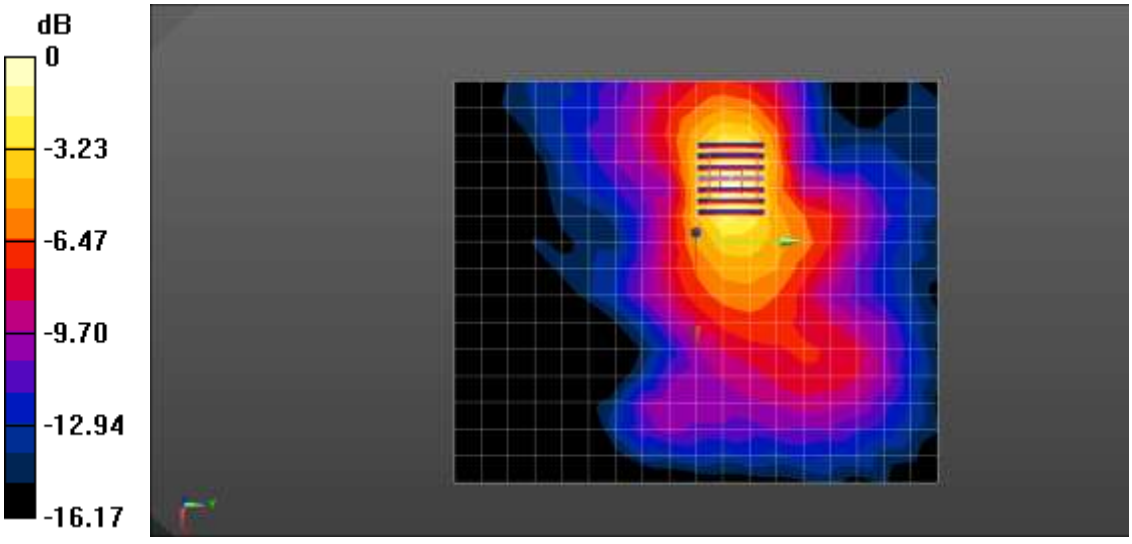
EUT Type: Telematics
Ambient Temperature: 21.2 °C
Liquid Temperature: 21.1 °C
Test Date: 07/08/2025
Band: LTE FDD Band 7 SAR BUA Ant.
Distance: 22 mm
Plot No.: B6

Communication System: UID 10169 - CAF, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2535 MHz;Duty Cycle: 1:3.73852
Medium parameters used (interpolated): f = 2535 MHz; σ = 1.833 S/m; ε_r = 40.584; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3797; ConvF(7.4, 7.15, 7.13) @ 2535 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2025-02-18
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 7 Body Rear QPSK 20MHz 1RB 0offset 21100ch/Area Scan (16x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.459 W/kg
LTE Band 7 Body Rear QPSK 20MHz 1RB 0offset 21100ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.123 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.600 W/kg
SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.168 W/kg
Smallest distance from peaks to all points 3 dB below = 13 mm
Ratio of SAR at M2 to SAR at M1 = 52.5%
Maximum value of SAR (measured) = 0.487 W/kg



0 dB = 0.487 W/kg = -3.12 dBW/kg

EUT Type: Telematics
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.6 °C
Test Date: 04/30/2025
Band: LTE FDD Band 12 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B7
Measurement Report for Device, BACK, Band 12, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)
RBPosition:Mid AntennaCfg:SISO, Channel 23095 (707.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band 12	LTE-FDD, 10175-CAH	707.500, 23095	9.16	0.854	43.2

Hardware Setup

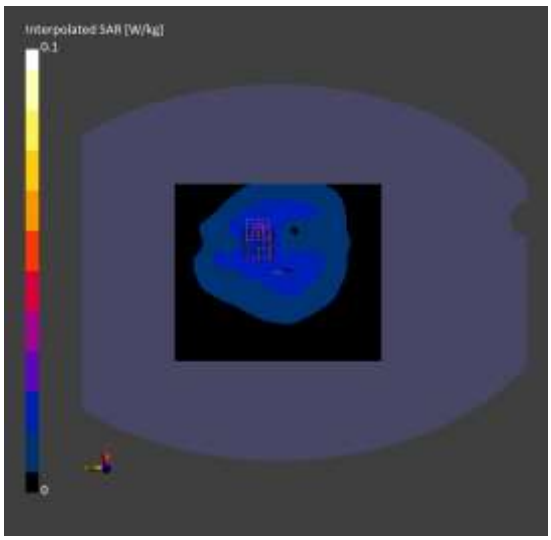
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.023	0.019
psSAR10g [W/Kg]	0.016	0.014
Power Drift [dB]	-0.11	-0.12



EUT Type: Telematics
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.6 °C
Test Date: 04/30/2025
Band: LTE FDD Band 13 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B8
Measurement Report for Device, BACK, Band 13, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)
AntennaCfg:SISO, Channel 23230 (782.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band 13	LTE-FDD, 10175-CAH	782.000, 23230	9.16	0.882	42.9

Hardware Setup

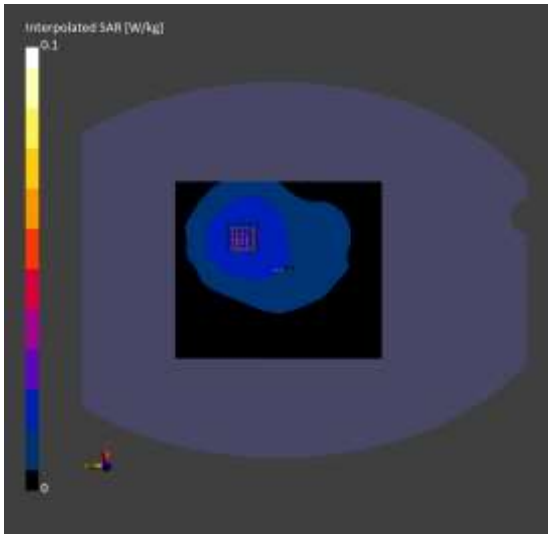
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.022	0.023
psSAR10g [W/Kg]	0.016	0.018
Power Drift [dB]	0.01	0.15



EUT Type: Telematics
Ambient Temperature: 21.1 °C
Liquid Temperature: 20.9 °C
Test Date: 05/07/2025
Band: LTE FDD Band 25 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B9
Measurement Report for Device, BACK, Band 25, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
AntennaCfg:SISO, Channel 26590 (1905.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band 25	LTE-FDD, 10169-CAF	1905.000, 26590	7.34	1.41	40.6

Hardware Setup

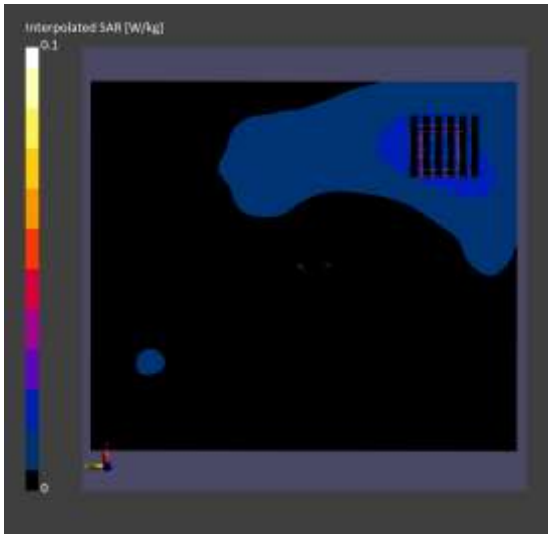
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.017	0.016
psSAR10g [W/Kg]	0.011	0.010
Power Drift [dB]	0.07	0.00



EUT Type: Telematics
Ambient Temperature: 21.1 °C
Liquid Temperature: 20.9 °C
Test Date: 05/07/2025
Band: LTE FDD Band 25 SAR BUA Ant.
Distance: 22 mm
Plot No.: B10
Measurement Report for Device, BACK, Band 25, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
AntennaCfg:SISO, Channel 26590 (1905.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 22.00	Band 25	LTE-FDD, 10169-CAF	1905.000, 26590	7.34	1.41	40.6

Hardware Setup

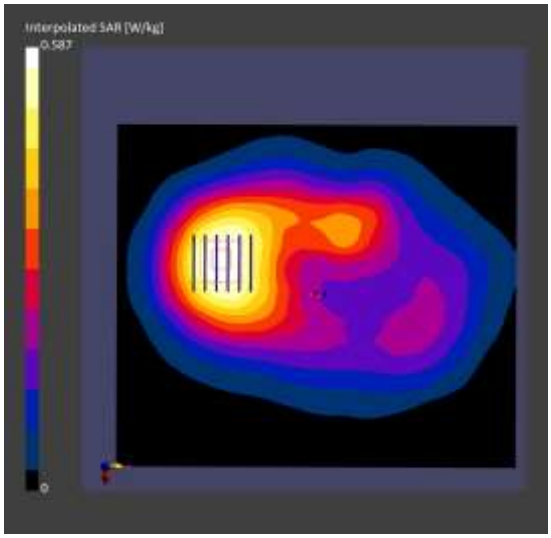
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.341	0.360
psSAR10g [W/Kg]	0.214	0.236
Power Drift [dB]	-0.06	-0.01



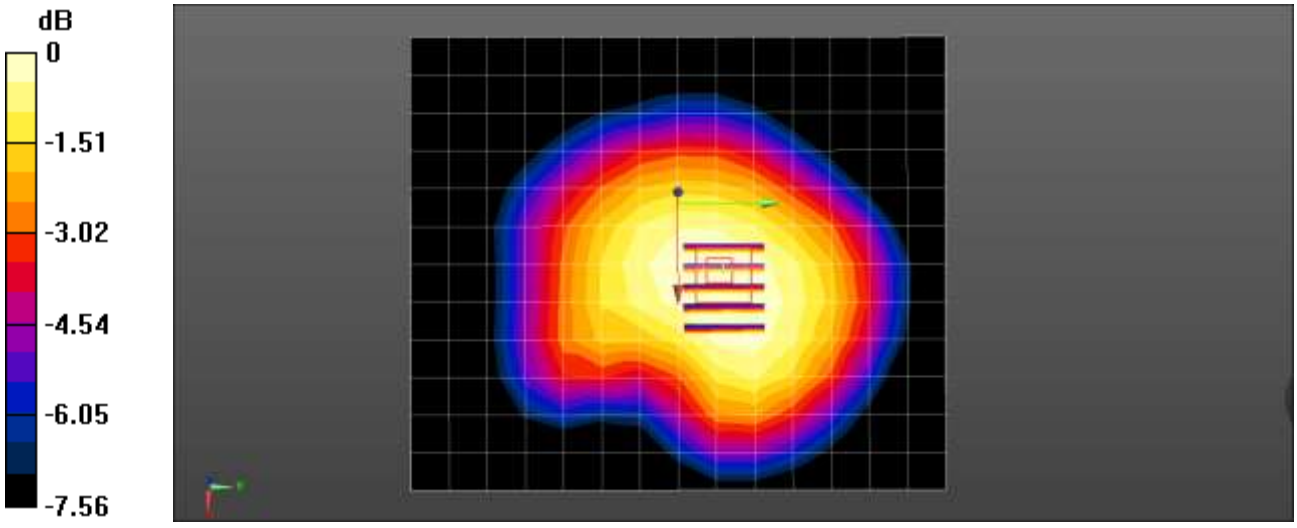
EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 22.0 °C
Test Date: 06/09/2025
Band: LTE FDD Band 26 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B11

Communication System: UID 10181 - CAF, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK); Frequency: 831.5 MHz;Duty Cycle: 1:3.7368
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.905 S/m; ε_r = 42.204; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(9.86, 10.28, 9.35) @ 831.5 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 26 Body Rear QPSK 15MHz 1RB 36offset 26865ch/Area Scan (13x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.115 W/kg
LTE Band 26 Body Rear QPSK 15MHz 1RB 36offset 26865ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.77 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.123 W/kg
SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.075 W/kg.
Maximum value of SAR (measured) = 0.114 W/kg



0 dB = 0.114 W/kg = -9.43 dBW/kg

EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 22.0 °C
Test Date: 06/09/2025
Band: LTE FDD Band 26 SAR BUA Ant.
Distance: 22 mm
Plot No.: B12

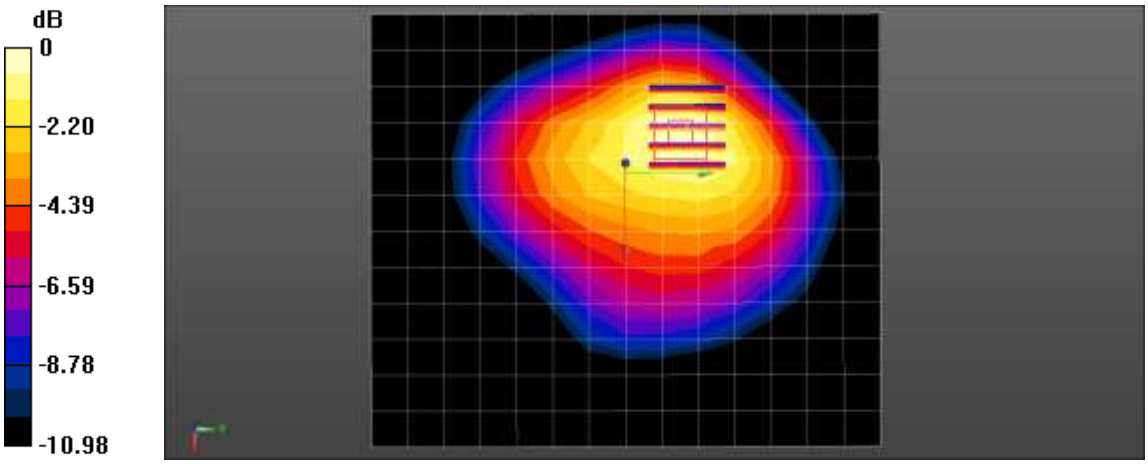
Communication System: UID 10181 - CAF, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK); Frequency: 831.5 MHz;Duty Cycle: 1:3.7368
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.905 S/m; ε_r = 42.204; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(9.86, 10.28, 9.35) @ 831.5 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 5 Body Rear QPSK 15MHz 1RB 36offset 26865ch/Area Scan (13x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.197 W/kg

LTE Band 5 Body Rear QPSK 15MHz 1RB 36offset 26865ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.33 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.116 W/kg
Maximum value of SAR (measured) = 0.210 W/kg



0 dB = 0.210 W/kg = -6.78 dBW/kg

EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 21.9 °C
Test Date: 05/20/2025
Band: LTE TDD Band 38 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B13
Measurement Report for Device, BACK, Band 38, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) RBPosition:Mid AntennaCfg:SISO, Channel 38000 (2595.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band 38	LTE-TDD, 10435-AAG	2595.000, 38000	6.76	1.97	40.4

Hardware Setup

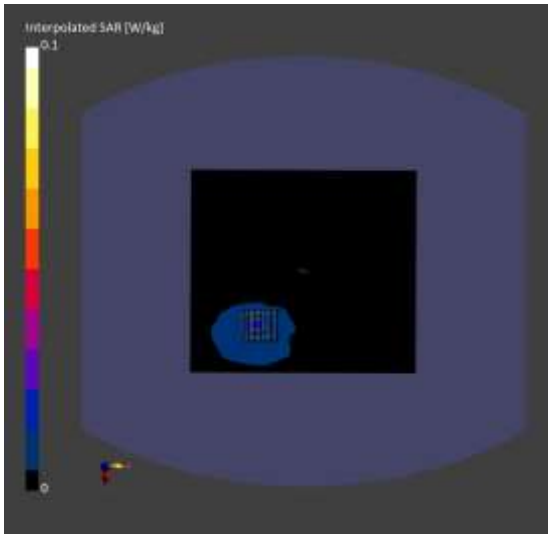
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.014	0.016
psSAR10g [W/Kg]	0.008	0.008
Power Drift [dB]	0.14	0.17



EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 21.9 °C
Test Date: 05/20/2025
Band: LTE TDD Band 38 SAR BUA Ant.
Distance: 22 mm
Plot No.: B14
Measurement Report for Device, BACK, Band 38, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) RBPosition:Mid AntennaCfg:SISO, Channel 38000 (2595.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 22.00	Band 38	LTE-TDD, 10435-AAG	2595.000, 38000	6.76	1.97	40.4

Hardware Setup

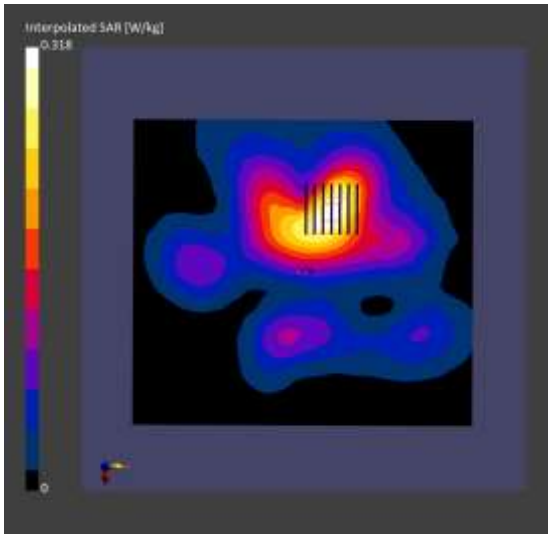
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.153	0.159
psSAR10g [W/Kg]	0.084	0.085
Power Drift [dB]	0.03	0.13



EUT Type: Telematics
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.7 °C
Test Date: 05/22/2025
Band: LTE TDD Band 42 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B15

Measurement Report for Device, BACK, Band 42, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) RBPosition:Mid AntennaCfg:SISO, Channel 42190 (3460.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band 42	LTE-TDD, 10435-AAG	3460.000, 42190	6.3	2.78	38.6

Hardware Setup

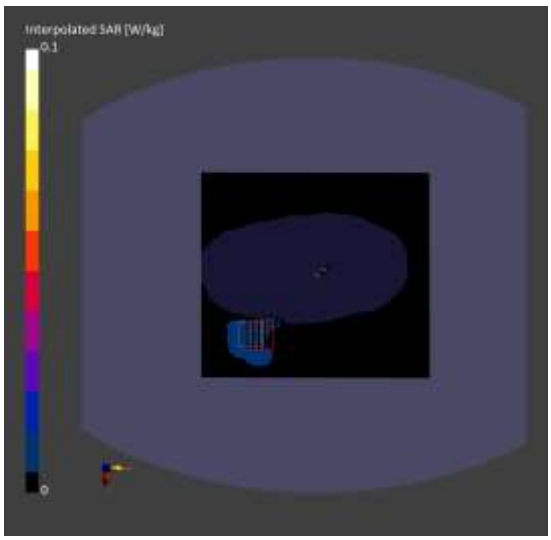
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN7680, 2025-04-22	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.009	0.007
psSAR10g [W/Kg]	0.005	0.002
Power Drift [dB]	0.17	0.18



EUT Type: Telematics
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.7 °C
Test Date: 05/22/2025
Band: LTE TDD Band 42 SAR MIMO2 Ant.
Distance: 45 mm
Plot No.: B16

Measurement Report for Device, BACK, Band 42, LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) RBPosition:Mid AntennaCfg:SISO, Channel 42990 (3540.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band 42	LTE-TDD, 10494-AAG	3540.000, 42990	6.3	2.86	38.5

Hardware Setup

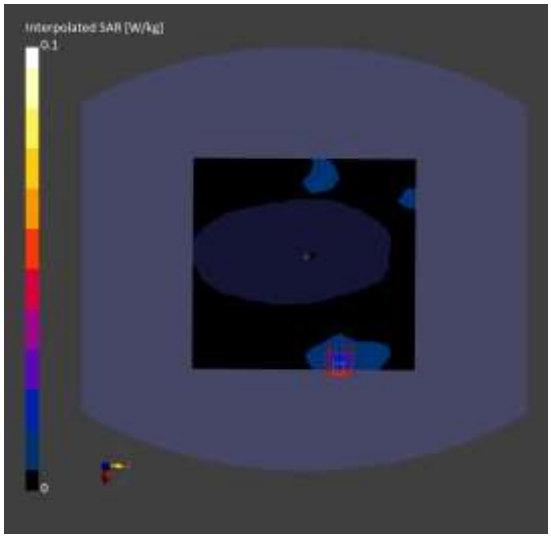
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN7680, 2025-04-22	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.015	0.014
psSAR10g [W/Kg]	0.008	0.006
Power Drift [dB]	0.18	-0.18



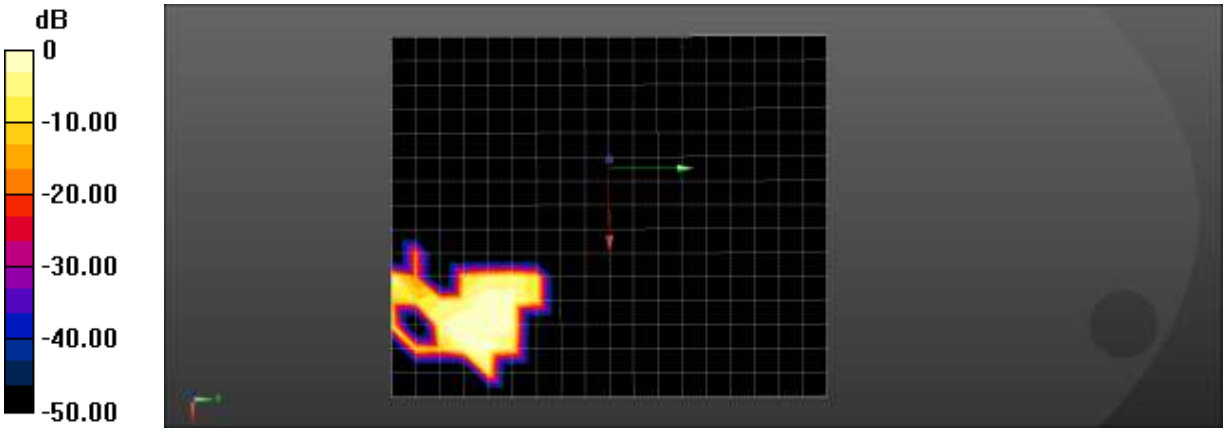
EUT Type: Telematics
Ambient Temperature: 23.0 °C
Liquid Temperature: 22.8 °C
Test Date: 06/10/2025
Band: LTE TDD Band 48 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B17

Communication System: UID 10172 - CAH, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 3646.7 MHz;Duty Cycle: 1:8.33105
Medium parameters used (interpolated): f = 3646.7 MHz; σ = 2.971 S/m; ε_r = 38.654; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(6.96, 7.26, 6.6) @ 3646.7 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 48 Body Rear QPSK 20MHz 1RB 99offset 56207ch/Area Scan (16x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.00441 W/kg



0 dB = 0.00441 W/kg = -23.56 dBW/kg

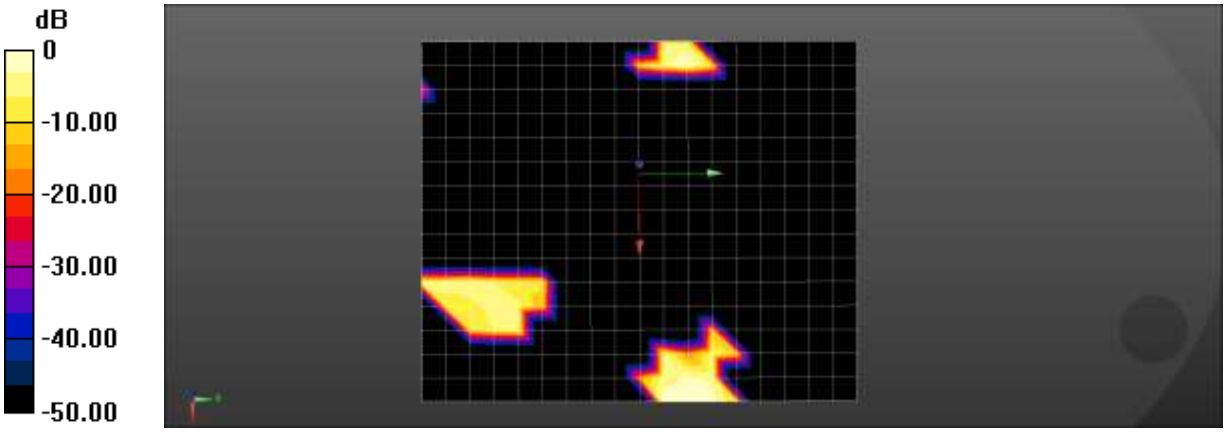
EUT Type: Telematics
Ambient Temperature: 23.0 °C
Liquid Temperature: 22.8 °C
Test Date: 06/10/2025
Band: LTE TDD Band 48 SAR MIMO2 Ant.
Distance: 45 mm
Plot No.: B18

Communication System: UID 10172 - CAH, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 3560 MHz;Duty Cycle: 1:8.33105
Medium parameters used (interpolated): f = 3560 MHz; σ = 2.892 S/m; ε_r = 38.779; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.08, 7.39, 6.72) @ 3560 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 48 Body Rear QPSK 20MHz 1RB 99offset 55340ch/Area Scan (16x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.00338 W/kg



0 dB = 0.00338 W/kg = -24.71 dBW/kg

EUT Type: Telematics
Ambient Temperature: 21.7 °C
Liquid Temperature: 21.6 °C
Test Date: 05/05/2025
Band: LTE FDD Band 66 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B19
Measurement Report for Device, BACK, Band 66, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
AntennaCfg:SISO, Channel 132572 (1770.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band 66	LTE-FDD, 10169-CAF	1770.000, 132572	7.59	1.32	41.0

Hardware Setup

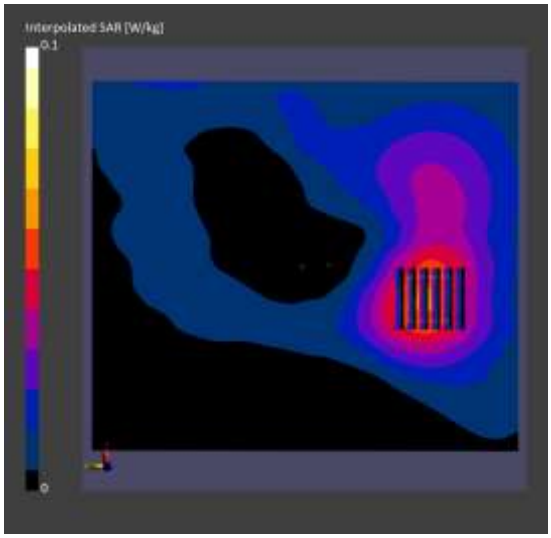
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.050	0.052
psSAR10g [W/Kg]	0.032	0.034
Power Drift [dB]	0.09	0.00



EUT Type: Telematics
Ambient Temperature: 21.7 °C
Liquid Temperature: 21.6 °C
Test Date: 05/05/2025
Band: LTE FDD Band 66 SAR BUA Ant.
Distance: 22 mm
Plot No.: B20
Measurement Report for Device, BACK, Band 66, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
RBPosition:Mid AntennaCfg:SISO, Channel 132572 (1770.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 22.00	Band 66	LTE-FDD, 10169-CAF	1770.000, 132572	7.59	1.32	41.0

Hardware Setup

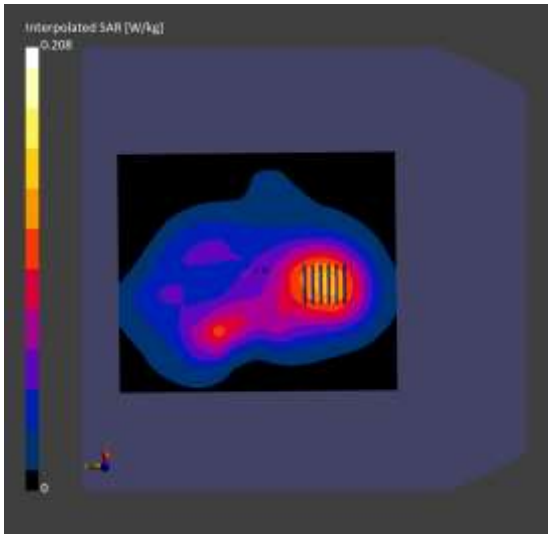
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.125	0.131
psSAR10g [W/Kg]	0.079	0.086
Power Drift [dB]	-0.13	0.13



EUT Type: Telematics
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.6 °C
Test Date: 04/30/2025
Band: LTE FDD Band 71 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B21
Measurement Report for Device, BACK, Band 71, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
AntennaCfg:SISO, Channel 133322 (683.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band 71	LTE-FDD, 10169-CAF	683.000, 133322	9.16	0.845	43.4

Hardware Setup

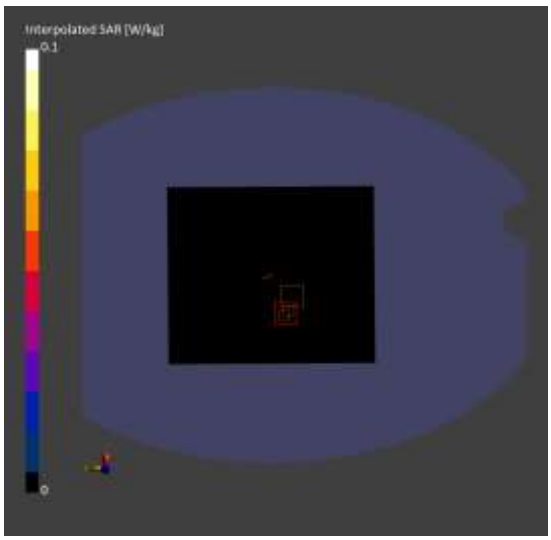
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.007	0.008
psSAR10g [W/Kg]	0.005	0.005
Power Drift [dB]	-0.16	-0.10



EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 22.0 °C
Test Date: 06/09/2025
Band: NR FDD Band n5 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B22

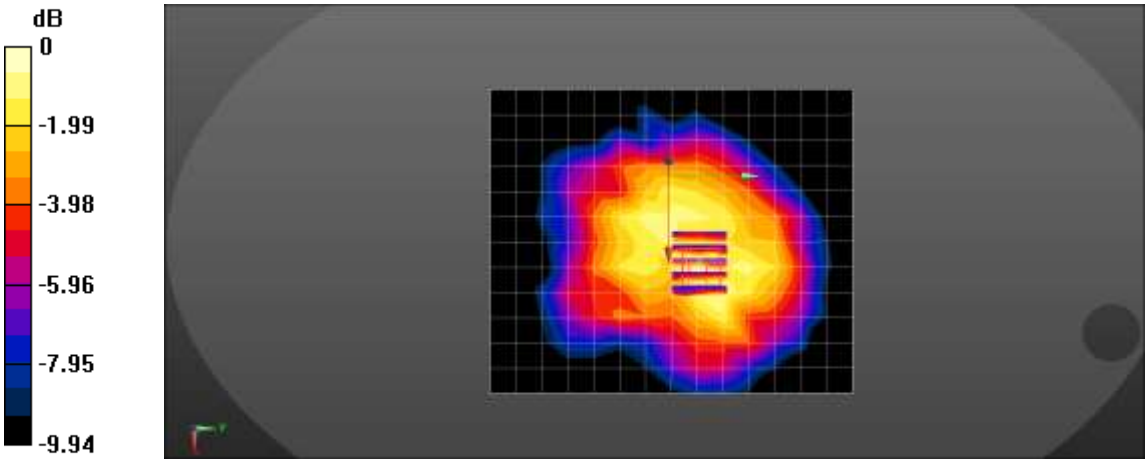
Communication System: UID 10939 - AAC, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz);
Frequency: 836.5 MHz;Duty Cycle: 1:3.81768
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.908 S/m; ε_r = 42.182; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(9.86, 10.28, 9.35) @ 836.5 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n5 Body Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Area Scan (13x15x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0697 W/kg

NR Band n5 Body Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.338 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.0920 W/kg
SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.043 W/kg
Maximum value of SAR (measured) = 0.0799 W/kg



0 dB = 0.0799 W/kg = -10.97 dBW/kg

EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 22.0 °C
Test Date: 06/09/2025
Band: NR FDD Band n5 SAR BUA Ant.
Distance: 22 mm
Plot No.: B23

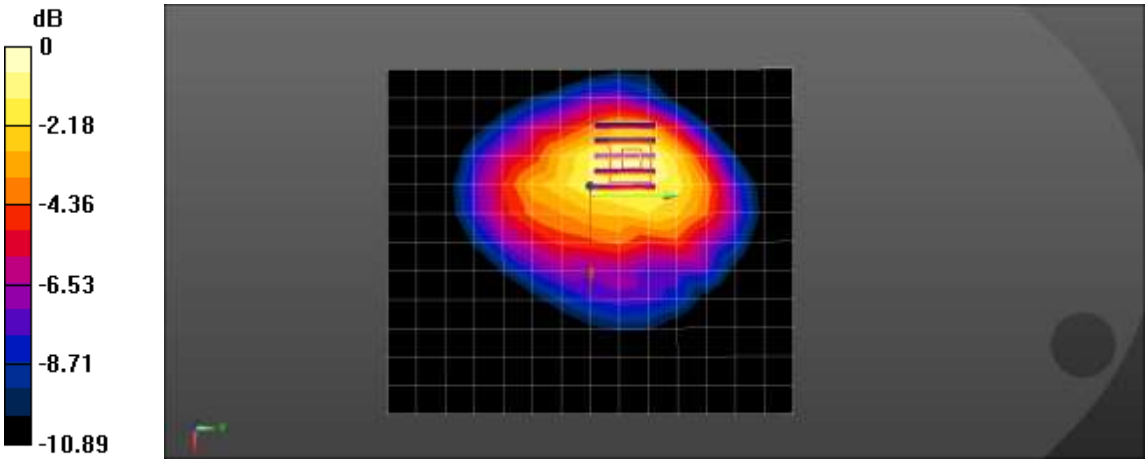
Communication System: UID 10939 - AAC, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz);
Frequency: 836.5 MHz;Duty Cycle: 1:3.81768
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.908 S/m; ε_r = 42.182; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(9.86, 10.28, 9.35) @ 836.5 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n5 Body Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Area Scan (13x15x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.245 W/kg

NR Band n5 Body Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.88 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.292 W/kg
SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.140 W/kg
Maximum value of SAR (measured) = 0.264 W/kg



0 dB = 0.264 W/kg = -5.78 dBW/kg

EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 21.9 °C
Test Date: 05/20/2025
Band: NR FDD Band n7 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B24
Measurement Report for Device, BACK, Band n7, 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) AntennaCfg:SISO, Channel 507000 (2535.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band n7	5G NR FR1 FDD, 10943-AAD	2535.000, 507000	6.76	1.83	40.6

Hardware Setup

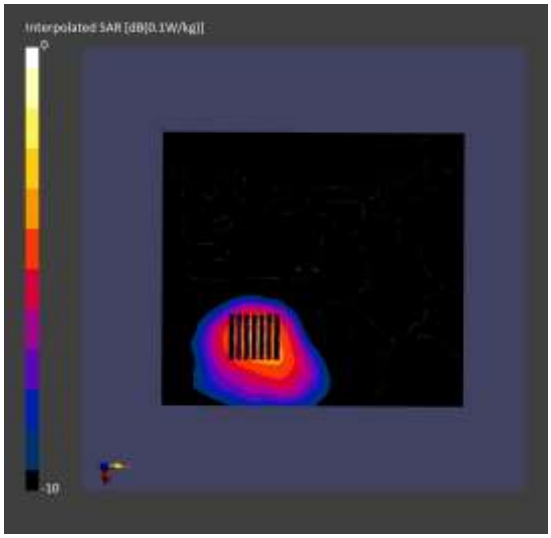
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.039	0.037
psSAR10g [W/Kg]	0.022	0.022
Power Drift [dB]	0.16	0.00



EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 21.9 °C
Test Date: 05/20/2025
Band: NR FDD Band n7 SAR BUA Ant.
Distance: 22 mm
Plot No.: B25
Measurement Report for Device, BACK, Band n7, 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) AntennaCfg:SISO, Channel 507000 (2535.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 22.00	Band n7	5G NR FR1 FDD, 10943-AAD	2535.000, 507000	6.76	1.83	40.6

Hardware Setup

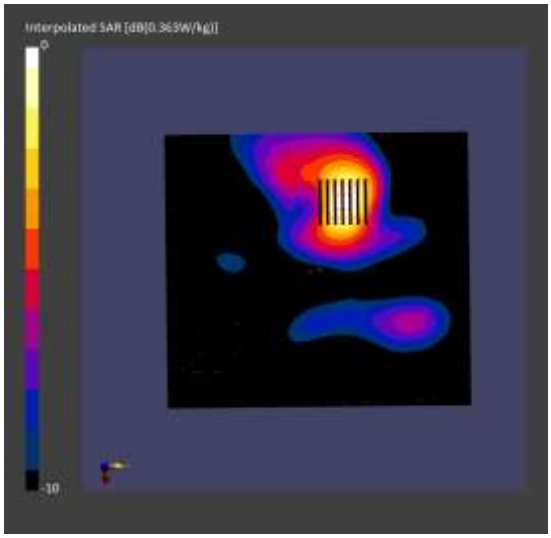
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.291	0.301
psSAR10g [W/Kg]	0.150	0.153
Power Drift [dB]	-0.13	0.14



EUT Type: Telematics
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.6 °C
Test Date: 04/30/2025
Band: NR FDD Band n12 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B26

Measurement Report for Device, BACK, Band n12, 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 141500 (707.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band n12	5G NR FR1 FDD, 10938-AAC	707.500, 141500	9.16	0.854	43.2

Hardware Setup

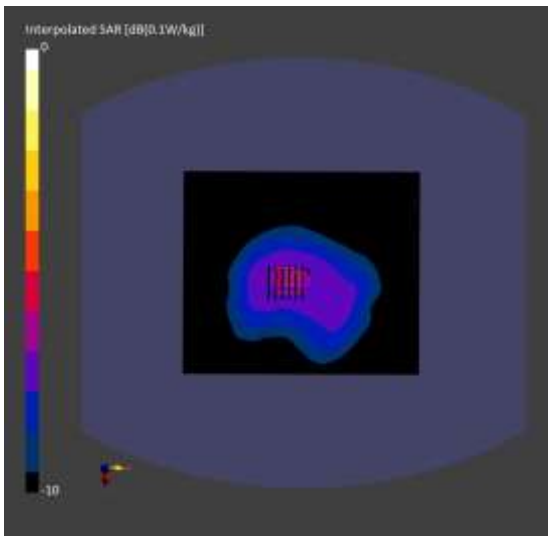
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.020	0.021
psSAR10g [W/Kg]	0.014	0.016
Power Drift [dB]	-0.13	-0.14



EUT Type: Telematics
Ambient Temperature: 21.1 °C
Liquid Temperature: 20.9 °C
Test Date: 05/07/2025
Band: NR FDD Band n25 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B27
Measurement Report for Device, BACK, Band n25, 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) AntennaCfg:SISO, Channel 376500 (1882.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band n25	5G NR FR1 FDD, 10932-AAC	1882.500, 376500	7.34	1.40	40.6

Hardware Setup

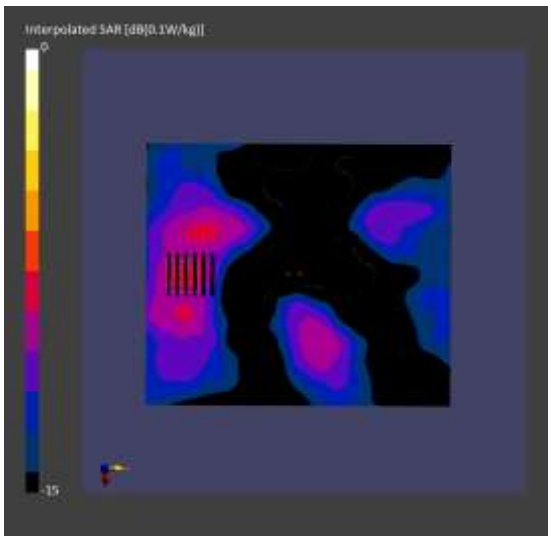
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.012	0.011
psSAR10g [W/Kg]	0.008	0.006
Power Drift [dB]	0.10	0.00



EUT Type: Telematics
Ambient Temperature: 21.1 °C
Liquid Temperature: 20.9 °C
Test Date: 05/07/2025
Band: NR FDD Band n25 SAR BUA Ant.
Distance: 22 mm
Plot No.: B28

Measurement Report for Device, BACK, Band n25, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) AntennaCfg:SISO, Channel 376500 (1882.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 22.00	Band n25	5G NR FR1 FDD, 10942-AAC	1882.500, 376500	7.34	1.40	40.6

Hardware Setup

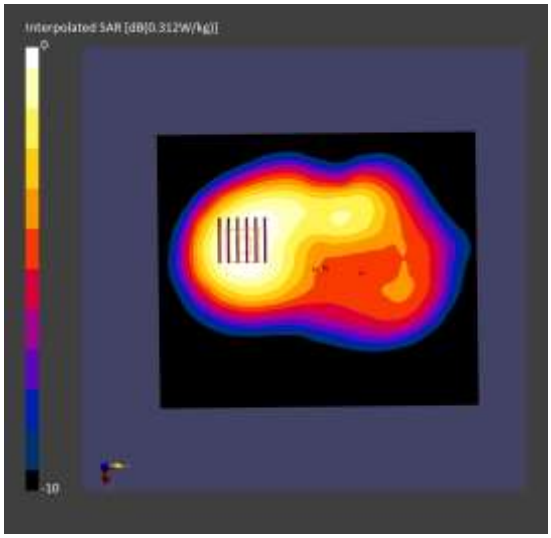
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.266	0.276
psSAR10g [W/Kg]	0.169	0.182
Power Drift [dB]	-0.01	0.02



EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 21.9 °C
Test Date: 05/20/2025
Band: NR TDD Band n41 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B29
Measurement Report for Device, BACK, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 518598 (2592.990 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	6.76	1.96	40.5

Hardware Setup

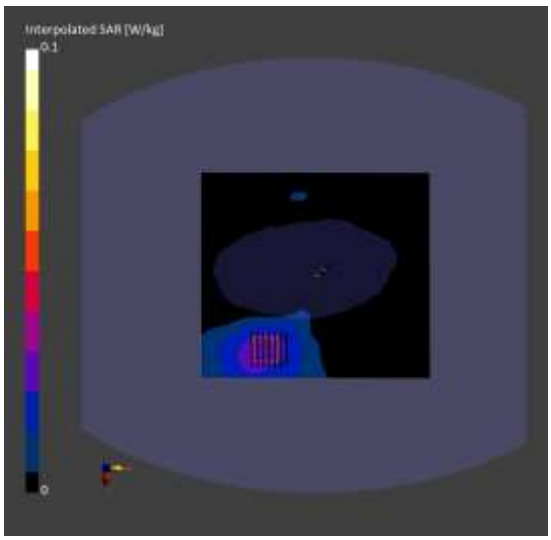
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.026	0.026
psSAR10g [W/Kg]	0.015	0.014
Power Drift [dB]	0.10	0.10



EUT Type: Telematics
Ambient Temperature: 22.1 °C
Liquid Temperature: 21.9 °C
Test Date: 05/20/2025
Band: NR TDD Band n41 SAR BUA Ant.
Distance: 22 mm
Plot No.: B30
Measurement Report for Device, BACK, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)
RBPosition:Mid AntennaCfg:SISO, Channel 518598 (2592.990 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 22.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	6.76	1.96	40.5

Hardware Setup

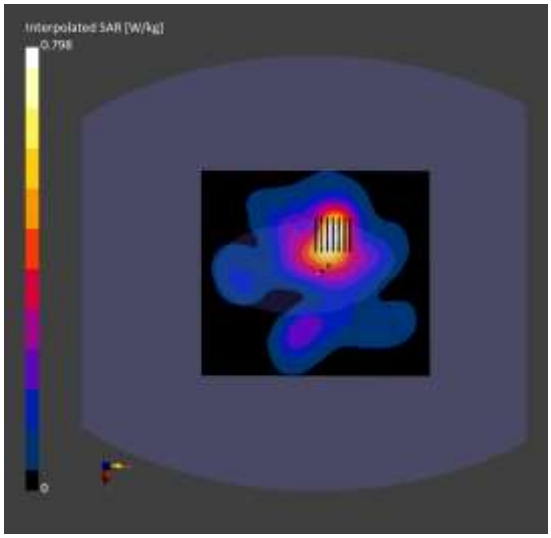
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.386	0.396
psSAR10g [W/Kg]	0.207	0.209
Power Drift [dB]	0.12	0.00



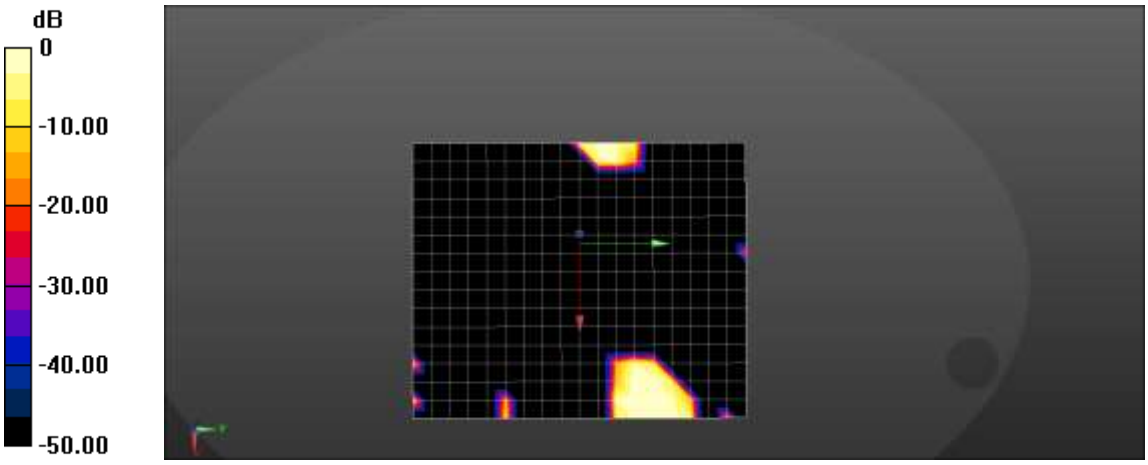
EUT Type: Telematics
Ambient Temperature: 23.0 °C
Liquid Temperature: 22.8 °C
Test Date: 06/10/2025
Band: NR TDD Band n48 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B31

Communication System: UID 10903 - AAD, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz);
Frequency: 3680 MHz;Duty Cycle: 1:3.69999
Medium parameters used (interpolated): f = 3680 MHz; σ = 3.002 S/m; ε_r = 38.593; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(6.96, 7.26, 6.6) @ 3680 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n48 Body Rear DFT-s QPSK 40MHz 1RB 1offset 645334ch/Area Scan (16x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.00490 W/kg



0 dB = 0.00490 W/kg = -23.10 dBW/kg

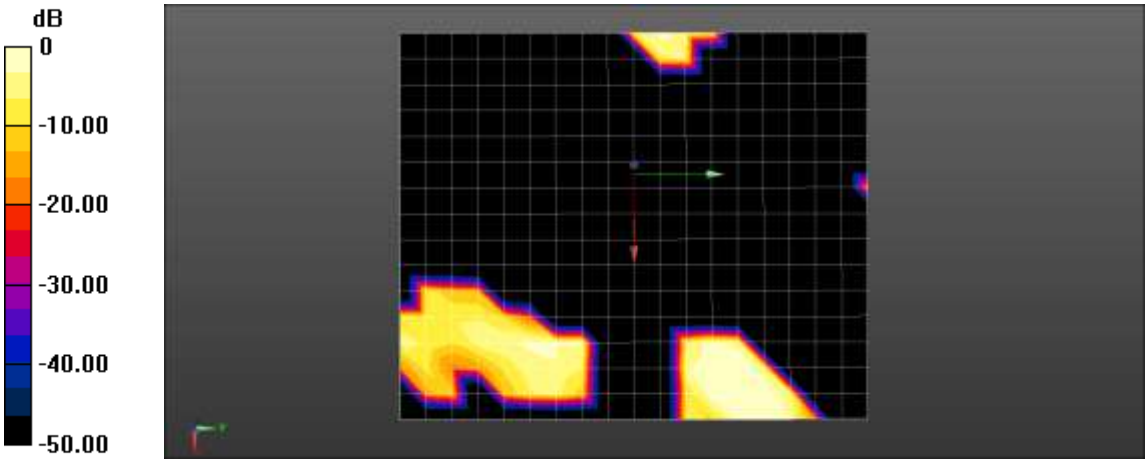
EUT Type: Telematics
Ambient Temperature: 23.0 °C
Liquid Temperature: 22.8 °C
Test Date: 06/10/2025
Band: NR TDD Band n48 SAR MIMO2 Ant.
Distance: 45 mm
Plot No.: B32

Communication System: UID 10903 - AAD, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz);
Frequency: 3570 MHz;Duty Cycle: 1:3.69999
Medium parameters used (interpolated): f = 3570 MHz; σ = 2.901 S/m; ε_r = 38.767; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.08, 7.39, 6.72) @ 3570 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n48 Body Rear DFT-s QPSK 40MHz 1RB 104offset 638000ch/Area Scan (16x19x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.00546 W/kg



0 dB = 0.00546 W/kg = -22.63 dBW/kg

EUT Type: Telematics
Ambient Temperature: 21.7 °C
Liquid Temperature: 21.6 °C
Test Date: 05/05/2025
Band: NR FDD Band n66 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B33

Measurement Report for Device, BACK, Band n66, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) AntennaCfg:SISO, Channel 349000 (1745.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band n66	5G NR FR1 FDD, 10942-AAC	1745.000, 349000	7.59	1.31	41.0

Hardware Setup

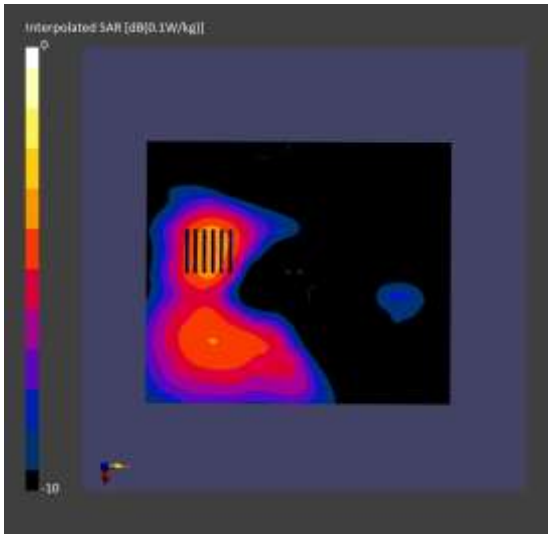
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.039	0.039
psSAR10g [W/Kg]	0.024	0.025
Power Drift [dB]	0.00	-0.11



EUT Type: Telematics
Ambient Temperature: 21.7 °C
Liquid Temperature: 21.6 °C
Test Date: 05/05/2025
Band: NR FDD Band n66 SAR BUA Ant.
Distance: 22 mm
Plot No.: B34
Measurement Report for Device, BACK, Band n66, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) AntennaCfg:SISO, Channel 349000 (1745.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 22.00	Band n66	5G NR FR1 FDD, 10934-AAC	1745.000, 349000	7.59	1.31	41.0

Hardware Setup

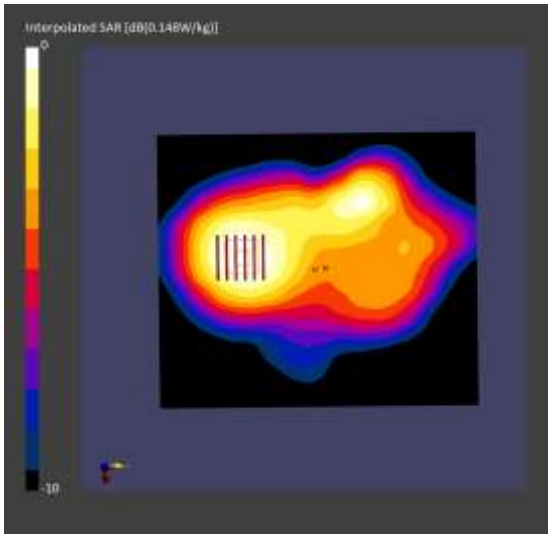
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.127	0.132
psSAR10g [W/Kg]	0.080	0.088
Power Drift [dB]	-0.10	0.00



EUT Type: Telematics
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.6 °C
Test Date: 04/30/2025
Band: NR FDD Band n71 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B35
Measurement Report for Device, BACK, Band n71, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 136100 (680.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 45.00	Band n71	5G NR FR1 FDD, 10931-AAC	680.500, 136100	9.16	0.844	43.4

Hardware Setup

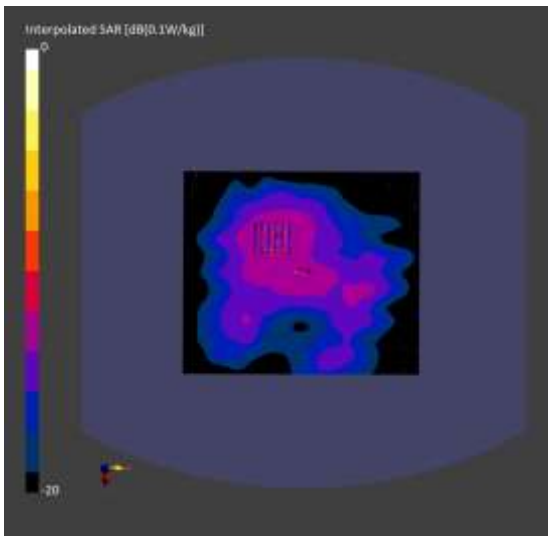
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.006	0.007
psSAR10g [W/Kg]	0.004	0.005
Power Drift [dB]	0.08	0.18



EUT Type:	**Telematics**
Ambient Temperature:	**23.0 °C**
Liquid Temperature:	**22.8 °C**
Test Date:	**06/10/2025**
Band:	**NR TDD Band n77 DoD SAR MIMO1 Ant.**
Distance:	**45 mm**
Plot No.:	**B36**

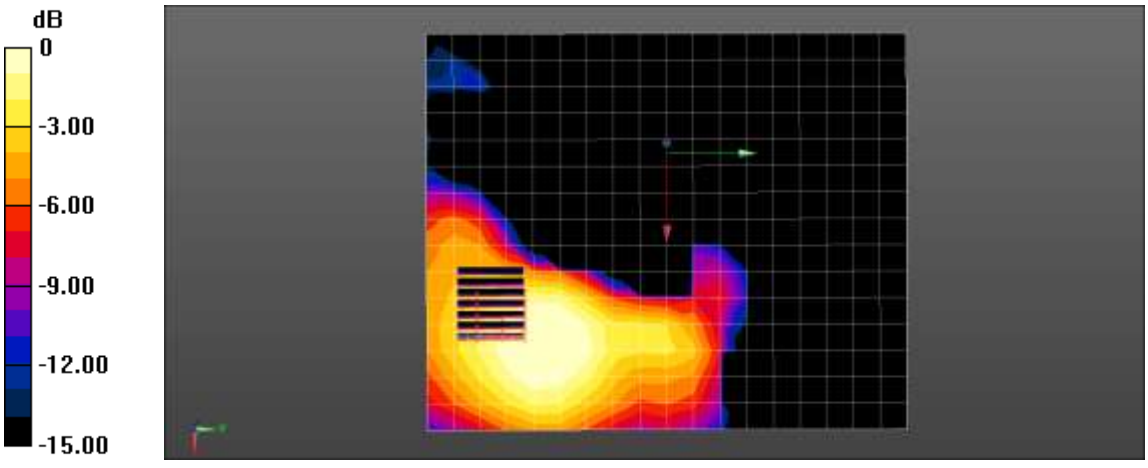
Communication System: UID 10917 - AAD, 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz);
Frequency: 3500 MHz;Duty Cycle: 1:3.93007
Medium parameters used (interpolated): f = 3500 MHz; σ = 2.836 S/m; ε_r = 38.874; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.08, 7.39, 6.72) @ 3500 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n77 DoD Body Rear DFT-s QPSK 100MHz 135RB 69offset 633334ch/Area Scan (16x19x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0716 W/kg

NR Band n77 DoD Body Rear DFT-s QPSK 100MHz 135RB 69offset 633334ch/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.0860 W/kg
SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0630 W/kg



0 dB = 0.0630 W/kg = -12.01 dBW/kg

EUT Type: Telematics
Ambient Temperature: 23.0 °C
Liquid Temperature: 22.8 °C
Test Date: 06/10/2025
Band: NR TDD Band n77 DoD SAR MIMO2 Ant.
Distance: 45 mm
Plot No.: B37

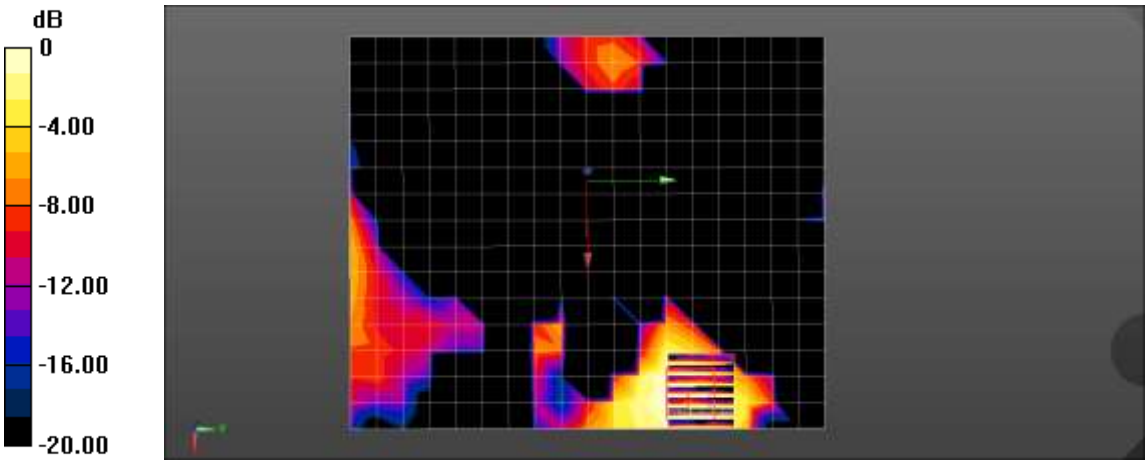
Communication System: UID 10866 - AAF, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz);
Frequency: 3500 MHz;Duty Cycle: 1:3.69913
Medium parameters used (interpolated): f = 3500 MHz; σ = 2.836 S/m; ε_r = 38.874; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.08, 7.39, 6.72) @ 3500 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n77 Body Rear DFT-s QPSK 100MHz 1RB 137offset 633334ch/Area Scan (16x19x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0317 W/kg

NR Band n77 Body Rear DFT-s QPSK 100MHz 1RB 137offset 633334ch/Zoom Scan (7x7x8)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.0500 W/kg
SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00609 W/kg
Maximum value of SAR (measured) = 0.0308 W/kg



0 dB = 0.0308 W/kg = -15.11 dBW/kg

EUT Type: Telematics
Ambient Temperature: 23.0 °C
Liquid Temperature: 22.8 °C
Test Date: 06/10/2025
Band: NR TDD Band n77 SAR MIMO1 Ant.
Distance: 45 mm
Plot No.: B38

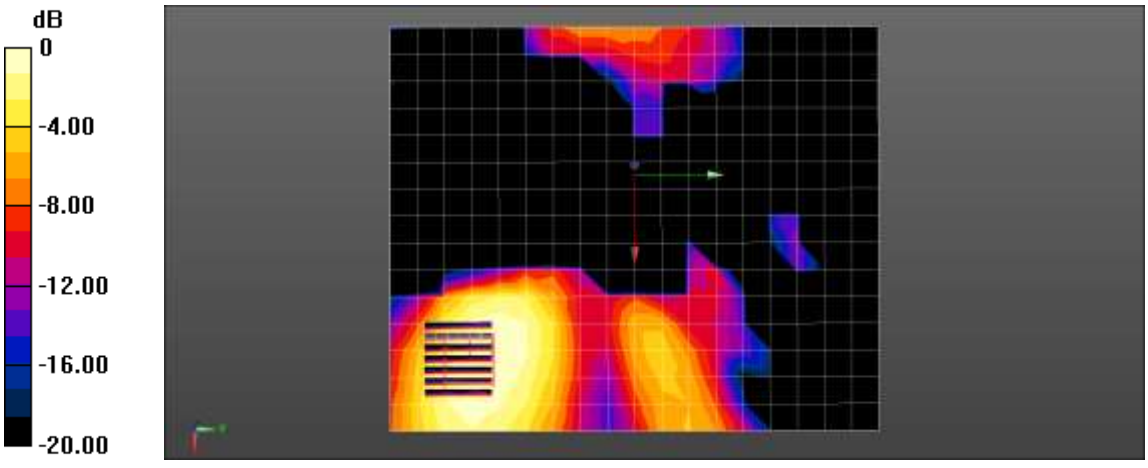
Communication System: UID 10866 - AAF, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz); Frequency: 3750 MHz;Duty Cycle: 1:3.69913
Medium parameters used (interpolated): f = 3750 MHz; σ = 3.069 S/m; ε_r = 38.493; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(6.96, 7.26, 6.6) @ 3750 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n77 Body Rear DFT-s QPSK 100MHz 1RB 137offset 650000ch/Area Scan (16x19x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0832 W/kg

NR Band n77 Body Rear DFT-s QPSK 100MHz 1RB 137offset 650000ch/Zoom Scan (7x7x8)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.119 W/kg
SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.022 W/kg
Maximum value of SAR (measured) = 0.0845 W/kg



0 dB = 0.0845 W/kg = -10.73 dBW/kg

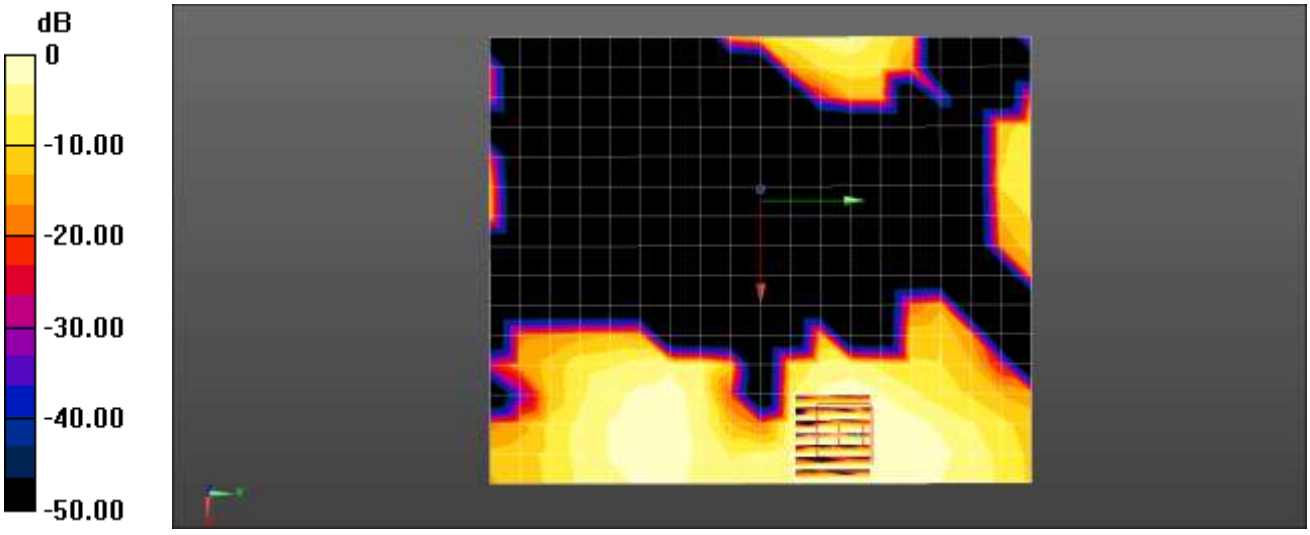
EUT Type: Telematics
Ambient Temperature: 23.0 °C
Liquid Temperature: 22.8 °C
Test Date: 06/10/2025
Band: NR TDD Band n77 SAR MIMO2 Ant.
Distance: 45 mm
Plot No.: B39

Communication System: UID 10866 - AAF, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz);
Frequency: 3750 MHz;Duty Cycle: 1:3.69913
Medium parameters used: f = 3750 MHz; σ = 3.069 S/m; ε_r = 38.493; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(6.96, 7.26, 6.6) @ 3750 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n77 Body Rear DFT-s QPSK 100MHz 1RB 137offset 650000ch/Area Scan (16x19x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0621 W/kg
NR Band n77 Body Rear DFT-s QPSK 100MHz 1RB 137offset 650000ch/Zoom Scan (7x7x8)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.0810 W/kg
SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0592 W/kg



0 dB = 0.0592 W/kg = -12.28 dBW/kg

Appendix C. – Dipole Verification Plots

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.6 °C
Test Date: 04/30/2025

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	15		CW, 0--	750.000, 0	9.16	0.870	43.0

Hardware Setup

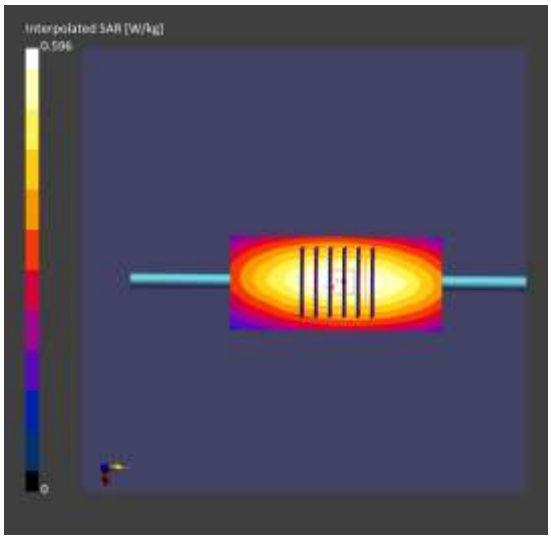
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 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]	0.412	0.430
psSAR10g [W/Kg]	0.276	0.284
Power Drift [dB]	0.03	0.05



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 22.0 °C
Test Date: 06/09/2025

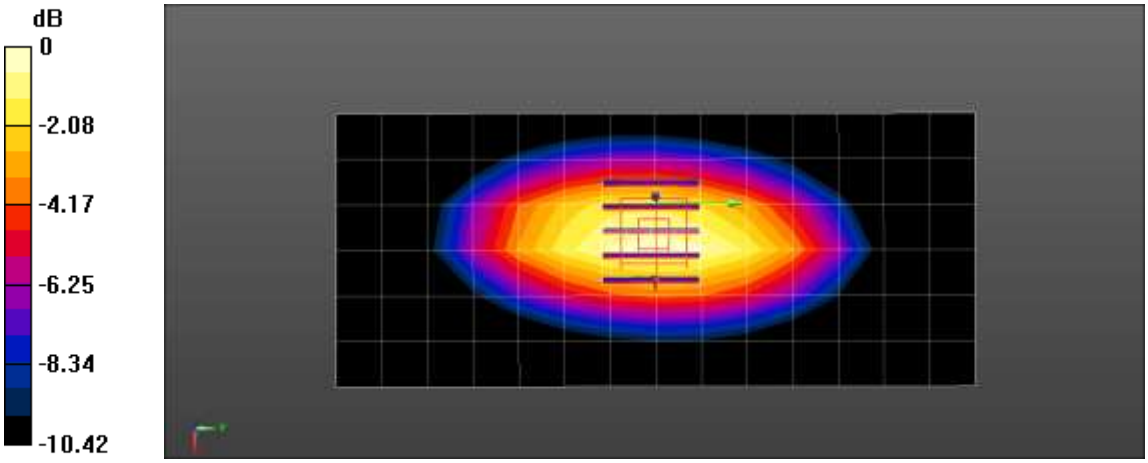
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.907 S/m; ε_r = 42.189; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(9.86, 10.28, 9.35) @ 835 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

835MHz Head Verification/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.596 W/kg

835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.37 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.693 W/kg
SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.319 W/kg
Maximum value of SAR (measured) = 0.630 W/kg



0 dB = 0.630 W/kg = -2.01 dBW/kg

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.6 °C
Test Date: 05/05/2025
Measurement Report for Device, , , CW, Channel 0 (1800.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1800.000, 0	7.59	1.35	41.0

Hardware Setup

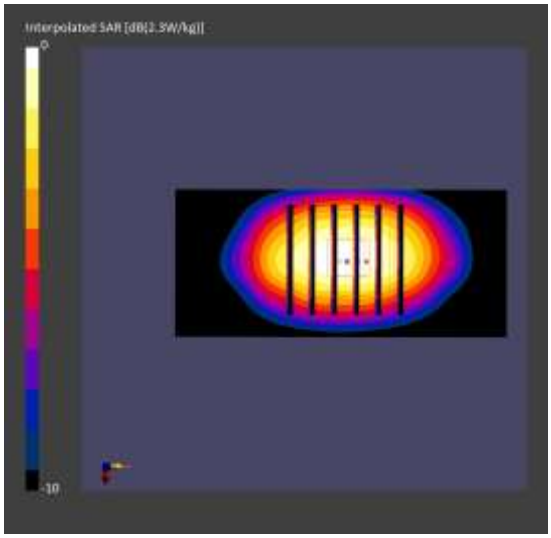
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 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]	1.85	1.84
psSAR10g [W/Kg]	0.979	0.964
Power Drift [dB]	-0.01	0.01



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 20.9 °C
Test Date: 05/07/2025
Measurement Report for Device, , , CW, Channel 0 (1900.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1900.000, 0	7.34	1.41	40.6

Hardware Setup

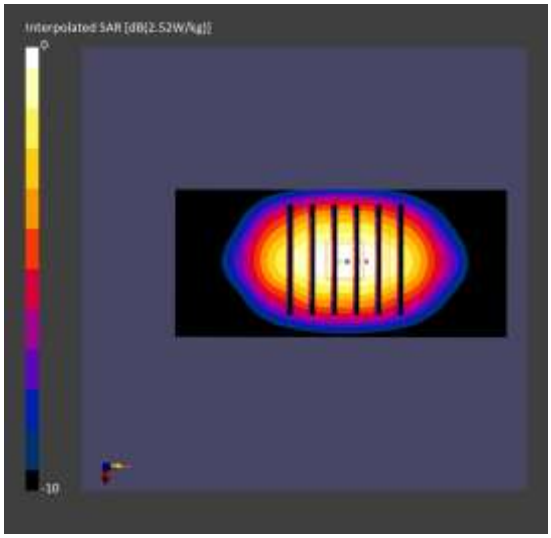
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 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]	1.99	1.98
psSAR10g [W/Kg]	1.03	1.02
Power Drift [dB]	-0.01	0.00



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.9 °C
Test Date: 05/20/2025
Measurement Report for Device, , , CW, Channel 0 (2600.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	2600.000, 0	6.76	1.98	40.4

Hardware Setup

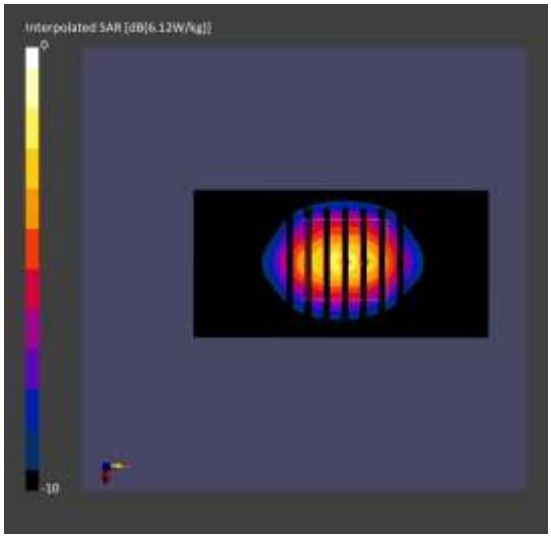
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.80	2.78
psSAR10g [W/Kg]	1.25	1.23
Power Drift [dB]	-0.01	-0.02



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.1 °C
Test Date: 07/08/2025
Measurement Report for Device, , , CW, Channel 0 (2600.000 MHz)

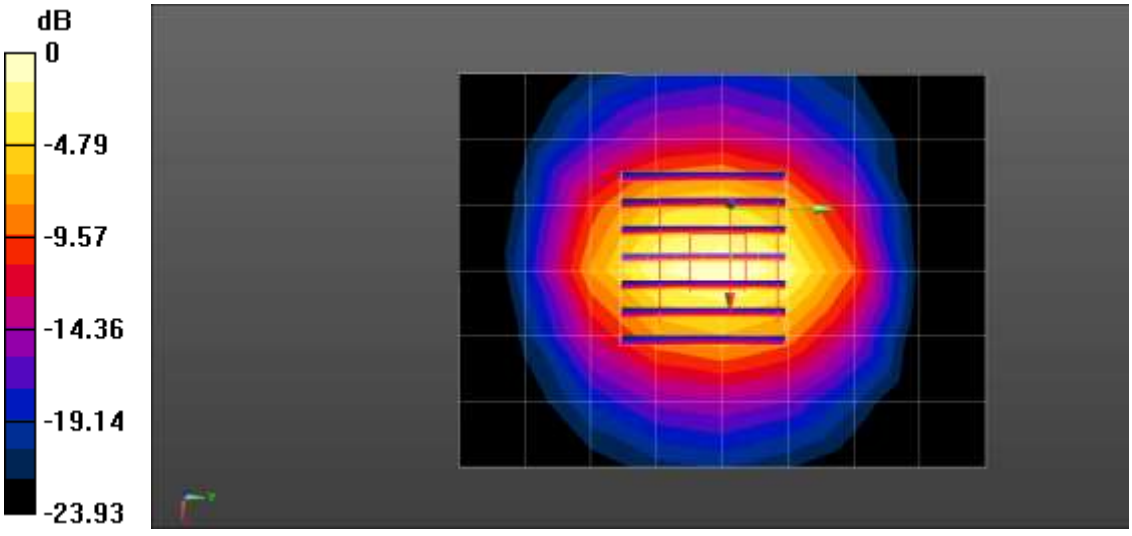
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.972 S/m; ε_r = 40.42; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3797; ConvF(7.4, 7.15, 7.13) @ 2600 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2025-02-18
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Dipole/2600MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.79 W/kg

Dipole/2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.75 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 6.49 W/kg
SAR(1 g) = 2.83 W/kg; SAR(10 g) = 1.25 W/kg
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 44%
Maximum value of SAR (measured) = 4.96 W/kg



0 dB = 4.96 W/kg = 6.95 dBW/kg

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.7 °C
Test Date: 05/22/2025
System Performance Check Report

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	10		CW, 0--	3500.000, 0	6.3	2.82	38.5

Hardware Setup

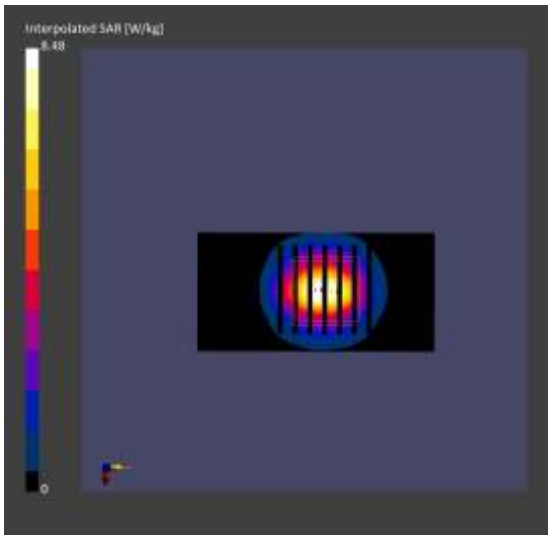
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - xxxx	EX3DV4 - SN7680, 2025-04-22	DAE4 Sn1225, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.35	3.29
psSAR10g [W/Kg]	1.28	1.26
Power Drift [dB]	-0.01	0.00



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 22.8 °C
Test Date: 06/10/2025

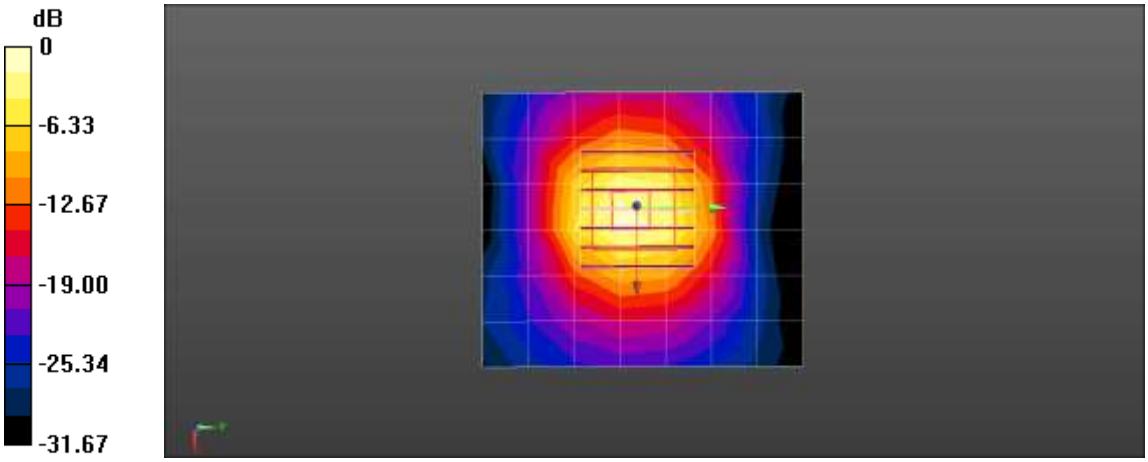
Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 3500 MHz; σ = 2.836 S/m; ε_r = 38.874; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.08, 7.39, 6.72) @ 3500 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

3500MHz Head Verification./Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.99 W/kg

3500MHz Head Verification./Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 45.54 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 8.59 W/kg
SAR(1 g) = 3.38 W/kg; SAR(10 g) = 1.29 W/kg
Maximum value of SAR (measured) = 6.43 W/kg



0 dB = 6.43 W/kg = 8.08 dBW/kg

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 22.8 °C
Test Date: 06/10/2025

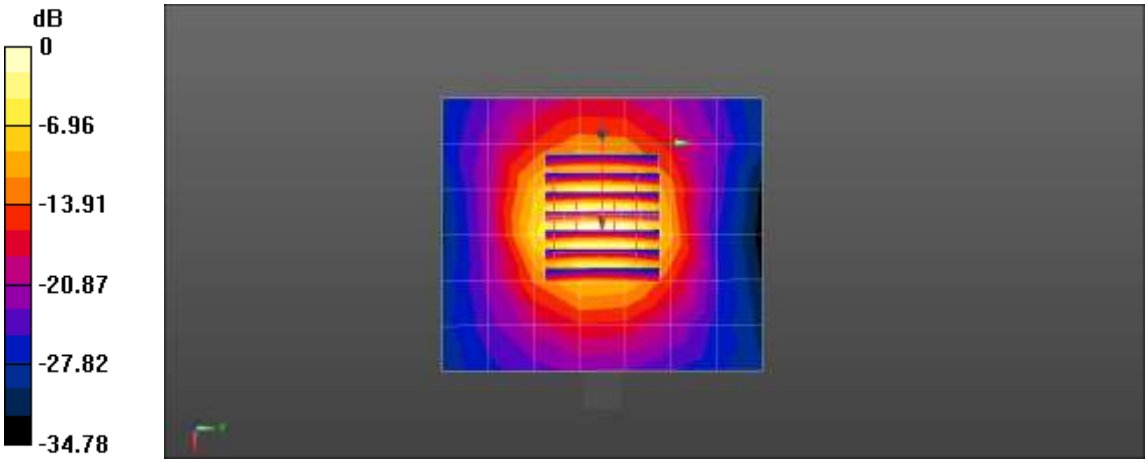
Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 3700 MHz; σ = 3.021 S/m; ε_r = 38.559; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(6.96, 7.26, 6.6) @ 3700 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

3700MHz Head Verification./Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.88 W/kg

3700MHz Head Verification./Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 49.70 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 9.95 W/kg
SAR(1 g) = 3.64 W/kg; SAR(10 g) = 1.33 W/kg
Maximum value of SAR (measured) = 7.19 W/kg



0 dB = 7.19 W/kg = 8.57 dBW/kg

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 22.8 °C
Test Date: 06/10/2025

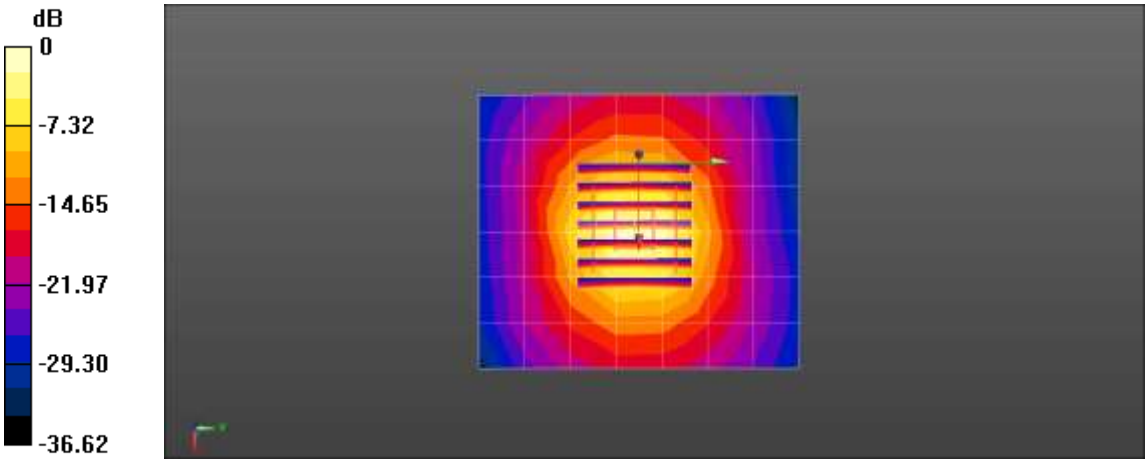
Communication System: UID 0, CW (0); Frequency: 3900 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 3900 MHz; σ = 3.209 S/m; ε_r = 38.285; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(6.67, 6.96, 6.33) @ 3900 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1720; Calibrated: 2025-04-23
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

3900MHz Head Verification./Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.90 W/kg

3900MHz Head Verification./Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.84 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 9.39 W/kg
SAR(1 g) = 3.33 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 6.79 W/kg



0 dB = 6.79 W/kg = 8.32 dBW/kg

Appendix D. – SAR Tissue Characterization

The brain and muscle mixtures consist of a viscous gel using hydrox-ethyl cellulose (HEC) gelling agent and saline solution (see Table 3.1). Preservation with a bacteriacide is added and visual inspection is made to make sure air bubbles are not trapped during the mixing process. The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the desired tissue. The mixture characterizations used for the brain and muscle tissue simulating liquids are according to the data by C. Gabriel and G. Harts grove.

Ingredients (% by weight)	Frequency (MHz)									
	750		835		1 900		2 450 – 2 700		3500 - 5 800	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Water	41.1	51.7	40.45	53.06	54.9	70.17	71.88	73.2	65.52	78.66
Salt (NaCl)	1.4	0.9	1.45	0.94	0.18	0.39	0.16	0.1	0.0	0.0
Sugar	57.0	47.2	57.0	44.9	0.0	0	0.0	0.0	0.0	0.0
HEC	0.2	0	1.0	1.0	0.0	0	0.0	0.0	0.0	0.0
Bactericide	0.2	0.1	0.1	0.1	0.0	0	0.0	0.0	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	0.0	0.0	19.97	0.0	17.24	10.67
DGBE	0.0	0.0	0.0	0.0	44.92	29.44	7.99	26.7	0.0	0.0
Diethylene glycol hexyl ether	-	-	-	-	-	-	-	-	-	-

Salt:	99 % Pure Sodium Chloride	Sugar:	98 % Pure Sucrose
Water:	De-ionized, 16M resistivity	HEC:	Hydroxyethyl Cellulose
DGBE:	99 % Di (ethylene glycol) butyl ether, [2-(2-butoxyethoxy) ethanol]		
Triton X-100(ultra-pure):	Polyethylene glycol mono [4-(1,1,3,3-tetramethylbutyl) phenyl] ether		

Composition of the Tissue Equivalent Matter

Appendix E. – SAR System Validation

Per FCC KDB 865664 D02v01r02, SAR system validation status should be document to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in IEEE 1528-2013 and FCC KDB 865664 D01v01r04. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.
A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters has been included.

SAR System No.	Probe	Probe Type	Probe Calibration Point		Dipole	Date	Dielectric Parameters		CW Validation			Modulation Validation		
							Measured Permittivity	Measured Conductivity	Sensitivity	Probe Linearity	Probe Isotropy	MOD. Type	Duty Factor	PAR
1	3768	EX3DV4	Head	750	1122	2025-04-27	41.9	0.89	PASS	PASS	PASS	N/A	N/A	N/A
14	7702	EX3DV4	Head	835	4d165	2025-05-23	41.5	0.90	PASS	PASS	PASS	N/A	N/A	N/A
1	3768	EX3DV4	Head	1 750	2d015	2025-05-22	40.1	1.37	PASS	PASS	PASS	N/A	N/A	N/A
1	3768	EX3DV4	Head	1 900	5d061	2025-02-28	40.0	1.40	PASS	PASS	PASS	N/A	N/A	N/A
1	3768	EX3DV4	Head	2 600	1106	2025-05-22	39.0	1.96	PASS	PASS	PASS	N/A	N/A	N/A
1	3768	EX3DV4	Head	2 600	1106	2025-05-22	39.0	1.96	PASS	PASS	PASS	TDD	PASS	N/A
12	7680	EX3DV4	Head	3 500	1040	2022-02-28	37.9	2.91	PASS	PASS	PASS	TDD	PASS	N/A
14	7702	EX3DV4	Head	3 500	1040	2025-01-26	37.9	2.91	PASS	PASS	PASS	TDD	PASS	N/A
14	7702	EX3DV4	Head	3 700	1105	2024-10-11	37.7	3.12	PASS	PASS	PASS	TDD	PASS	N/A
14	7702	EX3DV4	Head	3 900	1019	2025-06-13	37.5	3.32	PASS	PASS	PASS	TDD	PASS	N/A

SAR System Validation Summary

Note;

All measurement were performed using probes calibrated for CW signal only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04. SAR system were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to KDB 865664 D01v01r04.