

Appendix B. – SAR Test Plots

EUT Type: Mobile Phone
 Ambient Temperature: 21.7 °C
 Liquid Temperature: 21.6 °C
 Test Date: 04/16/2025
 Band: GSM 850 Head SAR_ Ant E
 Plot No.: A1

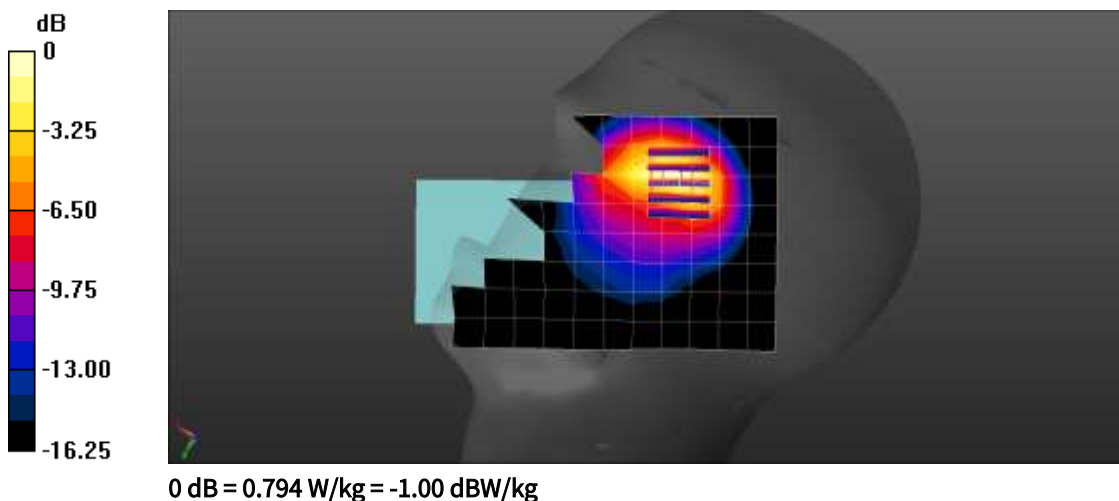
Communication System: UID 10028 - DAC, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3); Frequency: 836.6 MHz; Duty Cycle: 1:2.26569
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.926$ S/m; $\epsilon_r = 42.411$; $\rho = 1000$ kg/m³
 Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(9.82, 9.35, 9.87) @ 836.6 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

GSM850 Head Right Touch 190ch/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.720 W/kg

GSM850 Head Right Touch 190ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 7.305 V/m; Power Drift = -0.12 dB
 Peak SAR (extrapolated) = 0.969 W/kg
SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.242 W/kg
 Maximum value of SAR (measured) = 0.794 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 22.5 °C
 Liquid Temperature: 22.4 °C
 Test Date: 03/03/2025
 Band: GSM 1900 Head SAR_Ant B
 Plot No.: A2
 Measurement Report for Device, CHEEK, PCS 1900, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3), Channel 512 (1850.200 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
LeftHead, Head Simulating Liquid	CHEEK, 0.00	PCS 1900	GSM, 10028-DAC	1850.200, 512	8.13	1.38	40.6

Hardware Setup

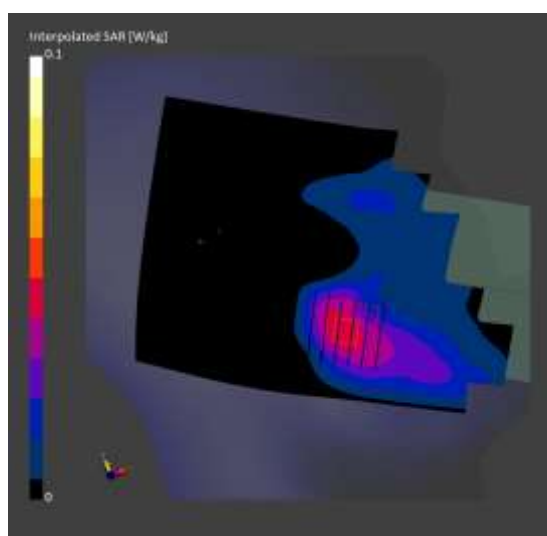
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.040	0.045
psSAR10g [W/Kg]	0.022	0.027
Power Drift [dB]	0.15	0.12



EUT Type: Mobile Phone
 Ambient Temperature: 22.5 °C
 Liquid Temperature: 22.4 °C
 Test Date: 04/23/2025
 Band: UMTS Band 5 Head SAR_Ant E
 Plot No.: A3
 Measurement Report for Device, CHEEK, Band 5, UMTS-FDD (WCDMA), Channel 4183 (836.600 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
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 5	WCDMA, 10011-CAC	836.600, 4183	9.55	0.940	41.8

Hardware Setup

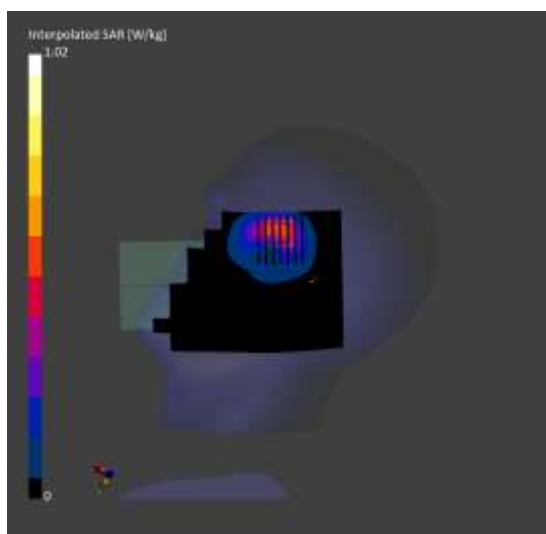
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7732, 2024-06-19	DAE4 Sn1254, 2024-05-16

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.476	0.500
psSAR10g [W/Kg]	0.293	0.261
Power Drift [dB]	-0.10	-0.15



EUT Type: Mobile Phone
 Ambient Temperature: 21.6 °C
 Liquid Temperature: 21.5 °C
 Test Date: 03/02/2025
 Band: UMTS Band 4 Head SAR_Ant I
 Plot No.: A4

Communication System: UID 0, WCDMA IV (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.364$ S/m; $\epsilon_r = 40.807$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(8.3, 8.66, 7.87) @ 1732.4 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn780; Calibrated: 2024-06-19
- Phantom: SAM with CRP v5.0_Left; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

UMTS Band 4 Head Left Touch 1412ch/Area Scan (10x18x1): Measurement grid: dx=12mm, dy=12mm

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

UMTS Band 4 Head Left Touch 1412ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.038 V/m; Power Drift = 0.12 dB

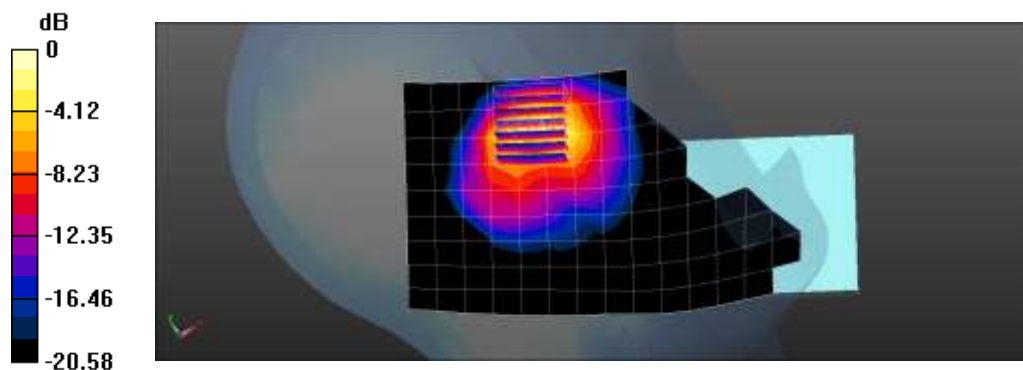
Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.200 W/kg

Smallest distance from peaks to all points 3 dB below = 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 41.6%

Maximum value of SAR (measured) = 0.853 W/kg



0 dB = 0.853 W/kg = -0.69 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 21.9 °C
 Liquid Temperature: 21.8 °C
 Test Date: 04/23/2025
 Band: UMTS Band 2 Head SAR_Ant I
 Plot No.: A5
 Measurement Report for Device, CHEEK, 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
LeftHead, Head Simulating Liquid	CHEEK, 5.00	Band 2	WCDMA, 10011-CAC	1880.000, 9400	7.1	1.40	40.7

Hardware Setup

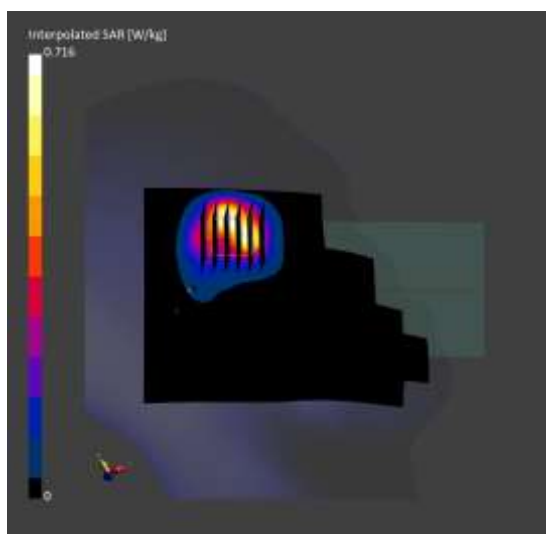
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7370, 2024-08-22	DAE4 Sn1686, 2024-06-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.186	0.266
psSAR10g [W/Kg]	0.102	0.108
Power Drift [dB]	0.05	0.17



EUT Type: Mobile Phone
 Ambient Temperature: 22.1 °C
 Liquid Temperature: 21.9 °C
 Test Date: 04/11/2025
 Band: LTE FDD Band 7 Head SAR_Ant I
 Plot No.: A6

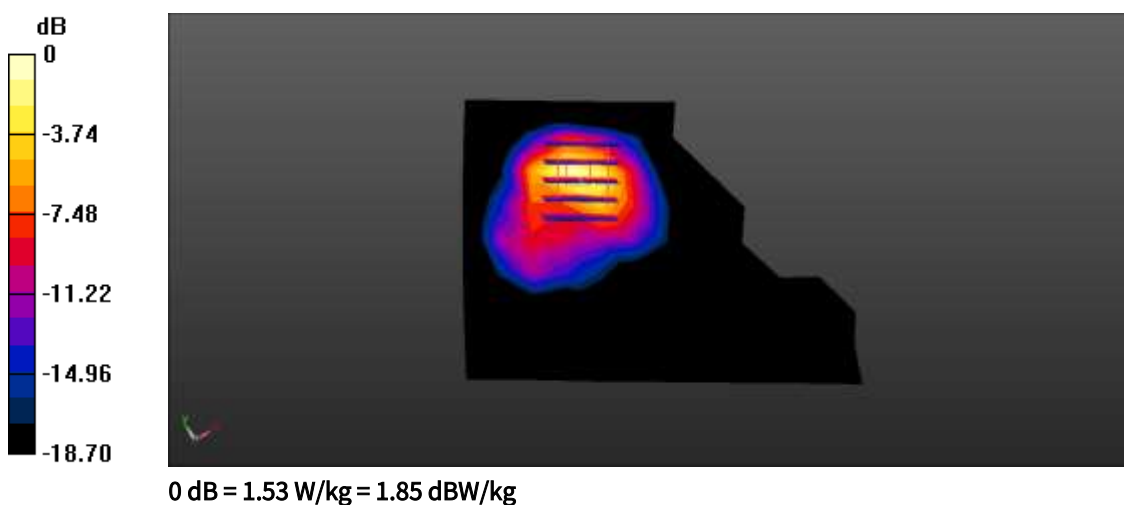
Communication System: UID 10297 - AAE, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK); Frequency: 2510 MHz; Duty Cycle: 1:3.80978
 Medium parameters used (interpolated): $f = 2510$ MHz; $\sigma = 1.861$ S/m; $\epsilon_r = 38.502$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2510 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 7 Head Left Touch QPSK 20MHz 50RB 0offset 20850ch/Area Scan (11x17x1): Measurement
 grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 1.19 W/kg

LTE Band 7 Head Left Touch QPSK 20MHz 50RB 0offset 20850ch/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 4.408 V/m; Power Drift = 0.10 dB
 Peak SAR (extrapolated) = 2.09 W/kg
SAR(1 g) = 0.705 W/kg; SAR(10 g) = 0.275 W/kg
 Maximum value of SAR (measured) = 1.53 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 21.8 °C
 Liquid Temperature: 21.7 °C
 Test Date: 02/24/2025
 Band: LTE FDD Band 12 Head SAR_Ant A
 Plot No.: A7
 Measurement Report for Device, CHEEK, 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
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 12	LTE-FDD, 10175-CAH	707.500, 23095	9.71	0.881	44.1

Hardware Setup

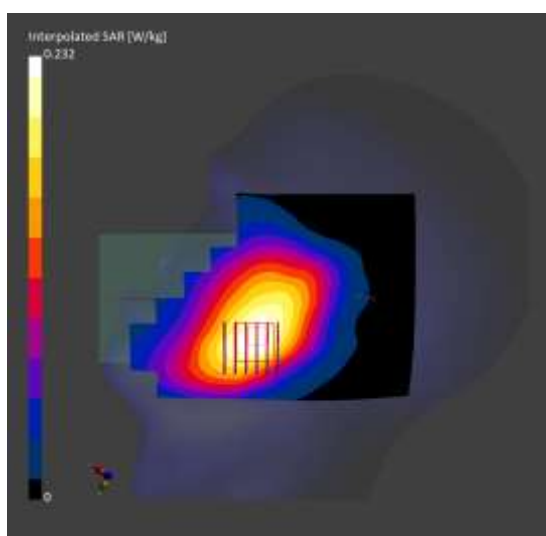
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.185	0.192
psSAR10g [W/Kg]	0.128	0.148
Power Drift [dB]	0.17	-0.15



EUT Type: Mobile Phone
 Ambient Temperature: 22.4 °C
 Liquid Temperature: 22.3 °C
 Test Date: 04/10/2025
 Band: LTE FDD Band 13 Head SAR_Ant E
 Plot No.: A8

Communication System: UID 10175 - CAH, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 782 MHz; Duty Cycle: 1:3.73594
 Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 42.364$; $\rho = 1000$ kg/m³
 Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(10.22, 9.73, 10.28) @ 782 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 13 Head Right Touch QPSK 10MHz 1RB 24offset 23230ch/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.502 W/kg

LTE Band 13 Head Right Touch QPSK 10MHz 1RB 24offset 23230ch/Zoom Scan (5x5x7)/Cube 0:

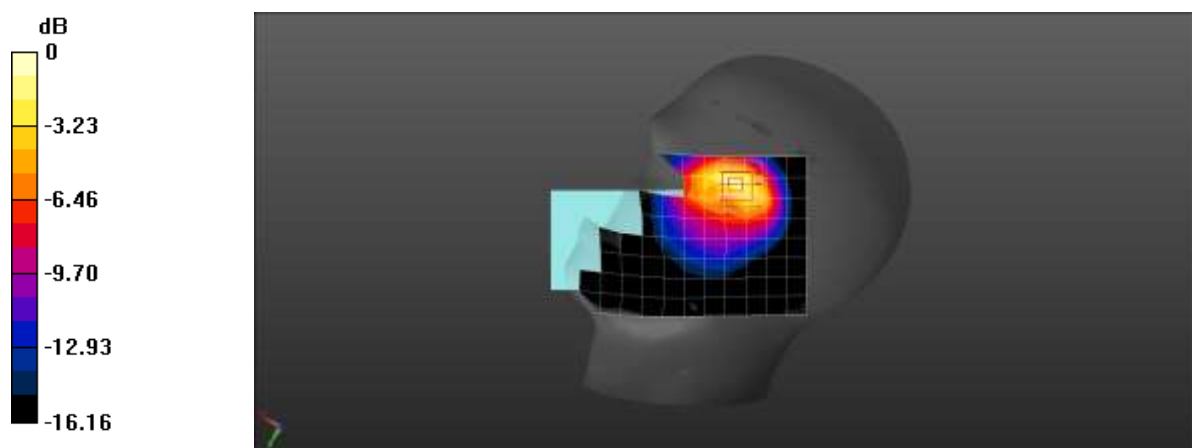
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.480 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.870 W/kg

SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.212 W/kg

Maximum value of SAR (measured) = 0.662 W/kg



0 dB = 1.53 W/kg = 1.85 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 22.1 °C
 Liquid Temperature: 22.0 °C
 Test Date: 04/11/2025
 Band: LTE FDD Band 14 Head SAR_Ant E
 Plot No.: A9

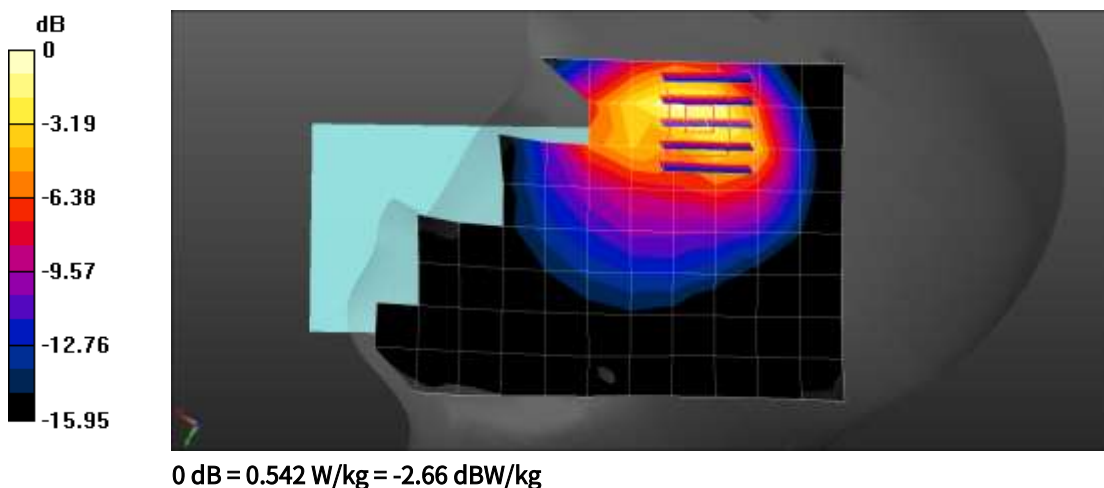
Communication System: UID 10175 - CAH, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 793 MHz; Duty Cycle: 1:3.73594
 Medium parameters used (interpolated): $f = 793$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 42.839$; $\rho = 1000$ kg/m³
 Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(10.22, 9.73, 10.28) @ 793 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 14 Head Right Touch QPSK 10MHz 1RB 0offset 23330ch/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.448 W/kg

LTE Band 14 Head Right Touch QPSK 10MHz 1RB 0offset 23330ch/Zoom Scan (5x5x7)/Cube 0:
 Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 6.828 V/m; Power Drift = -0.19 dB
 Peak SAR (extrapolated) = 0.651 W/kg
SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.178 W/kg
 Maximum value of SAR (measured) = 0.542 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 21.7 °C
 Liquid Temperature: 21.5 °C
 Test Date: 04/16/2025
 Band: LTE FDD Band 25 Head SAR_Ant I
 Plot No.: A10

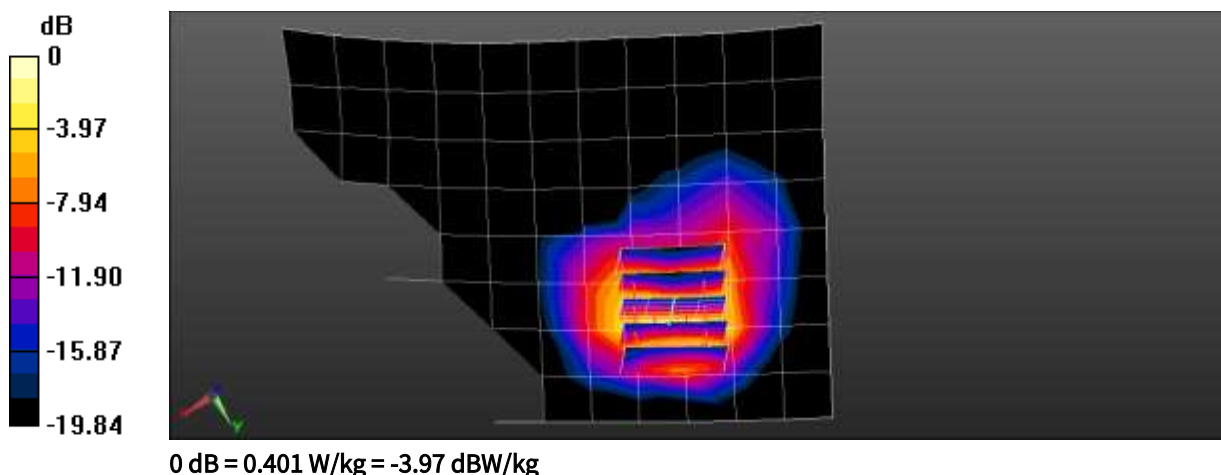
Communication System: UID 10169 - CAF, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1860 MHz; Duty Cycle: 1:3.73852
 Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.361$ S/m; $\epsilon_r = 40.017$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(8.2, 7.82, 7.77) @ 1860 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 25 Head Left Touch QPSK 20MHz 1RB 99offset 26140ch/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.372 W/kg

LTE Band 25 Head Left Touch QPSK 20MHz 1RB 99offset 26140ch/Zoom Scan (5x5x7)/Cube 0:
 Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 5.692 V/m; Power Drift = -0.17 dB
 Peak SAR (extrapolated) = 0.506 W/kg
SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.104 W/kg
 Maximum value of SAR (measured) = 0.401 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 22.3 °C
 Liquid Temperature: 22.2 °C
 Test Date: 04/12/2025
 Band: LTE FDD Band 26 Head SAR_Ant E
 Plot No.: A11

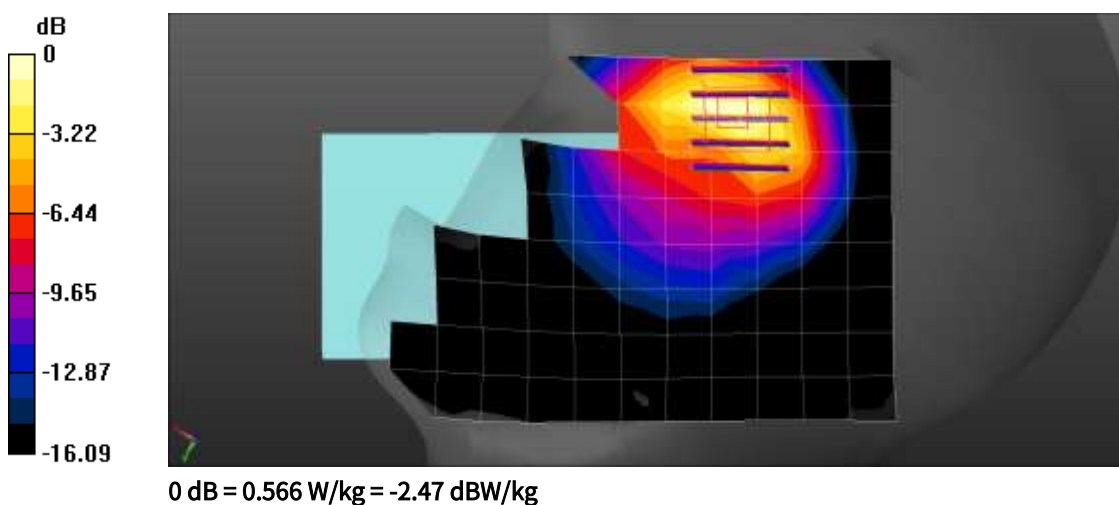
Communication System: UID 10160 - CAF, LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK); Frequency: 831.5 MHz; Duty Cycle: 1:3.81593
 Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 41.904$; $\rho = 1000$ kg/m³
 Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(9.82, 9.35, 9.87) @ 831.5 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 26 Head Right Touch QPSK 15MHz 36RB 0offset 26865ch/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.522 W/kg

LTE Band 26 Head Right Touch QPSK 15MHz 36RB 0offset 26865ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 5.954 V/m; Power Drift = -0.14 dB
 Peak SAR (extrapolated) = 0.675 W/kg
SAR(1 g) = 0.338 W/kg; SAR(10 g) = 0.179 W/kg
 Maximum value of SAR (measured) = 0.566 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 22.3 °C
 Liquid Temperature: 22.1 °C
 Test Date: 04/12/2025
 Band: LTE FDD Band 30 Head SAR_Ant I
 Plot No.: A12

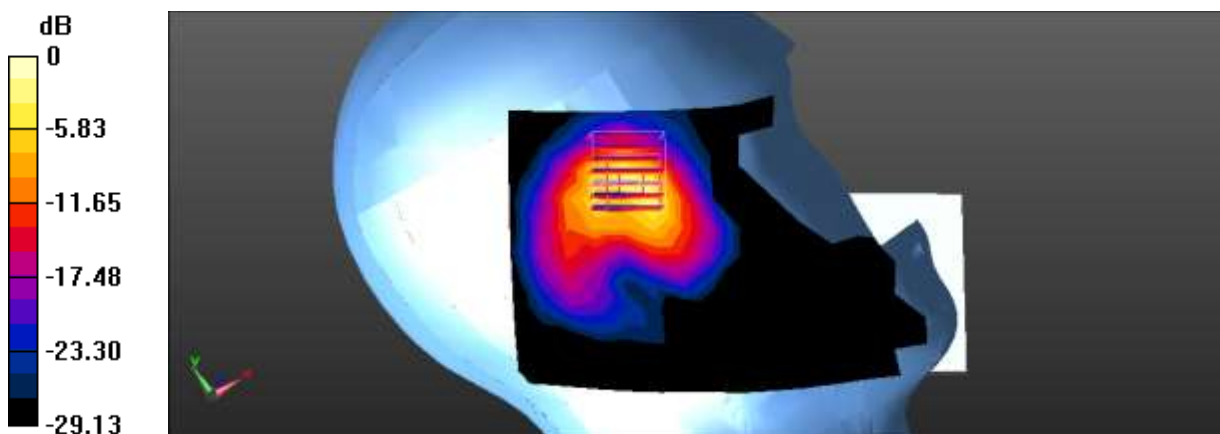
Communication System: UID 10108 - CAH, LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK); Frequency: 2310 MHz; Duty Cycle: 1:3.80102
 Medium parameters used (interpolated): $f = 2310$ MHz; $\sigma = 1.726$ S/m; $\epsilon_r = 39.27$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.82, 7.47, 7.41) @ 2310 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 30 Head Left Touch QPSK 10MHz 50RB 0offset 27710ch/Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.930 W/kg

LTE Band 30 Head Left Touch QPSK 10MHz 50RB 0offset 27710ch/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 6.044 V/m; Power Drift = 0.19 dB
 Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.312 W/kg
 Maximum value of SAR (measured) = 1.63 W/kg



0 dB = 1.63 W/kg = 2.12 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 22.0 °C
 Liquid Temperature: 21.9 °C
 Test Date: 04/14/2025
 Band: LTE TDD Band 41 Head SAR_Ant I
 Plot No.: A13

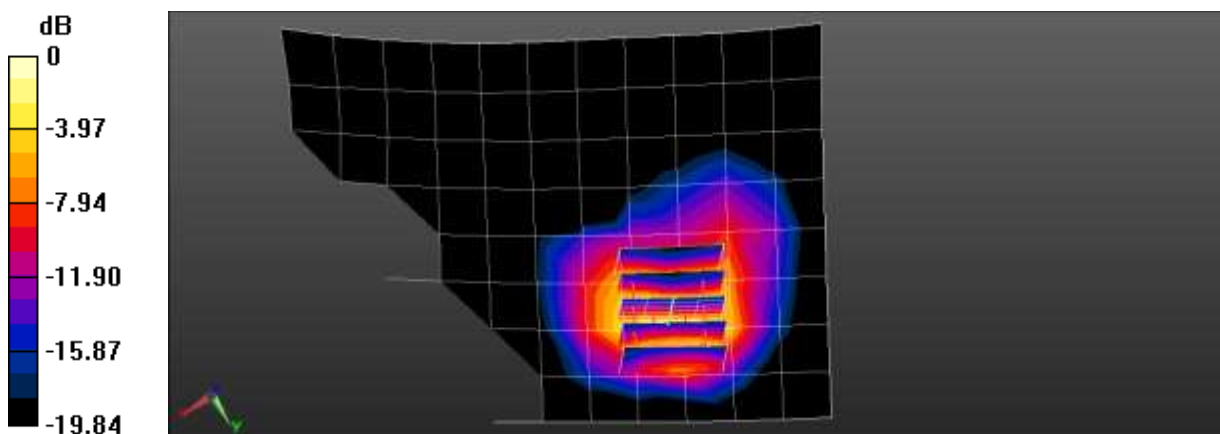
Communication System: UID 10435 - AAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9); Frequency: 2549.5 MHz; Duty Cycle: 1:6.05899
 Medium parameters used (interpolated): $f = 2550$ MHz; $\sigma = 1.936$ S/m; $\epsilon_r = 39.262$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2549.5 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 41 Head Left Touch QPSK 20MHz 1RB 0offset 40185ch/Area Scan (11x17x1): Measurement
 grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.876 W/kg

LTE Band 41 Head Left Touch QPSK 20MHz 1RB 0offset 40185ch/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 3.800 V/m; Power Drift = 0.15 dB
 Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.188 W/kg
 Maximum value of SAR (measured) = 0.976 W/kg



0 dB = 0.976 W/kg = -0.11 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 22.0 °C
 Liquid Temperature: 21.8 °C
 Test Date: 04/18/2025
 Band: LTE TDD Band 48 Head SAR_Ant F
 Plot No.: A14

Communication System: UID 10494 - AAG, LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9); Frequency: 3690 MHz; Duty Cycle: 1:5.93882
 Medium parameters used (interpolated): $f = 3690$ MHz; $\sigma = 2.969$ S/m; $\epsilon_r = 39.25$; $\rho = 1000$ kg/m³
 Phantom section: Right Section

DASY5 Configuration:

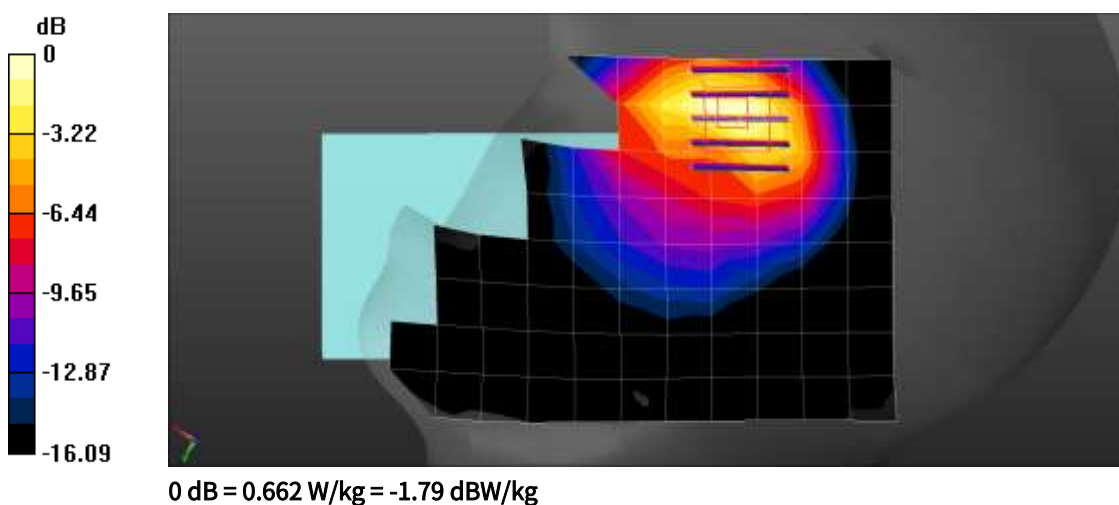
- Probe: EX3DV4 - SN7622; ConvF(6.95, 6.62, 6.99) @ 3690 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (4);

LTE Band 48 Head Right Touch QPSK 20MHz 50RB 0offset 56640ch/Area Scan (10x17x1):

Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.521 W/kg

LTE Band 48 Head Right Touch QPSK 20MHz 50RB 0offset 56640ch/Zoom Scan (7x7x8)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=4mm
 Reference Value = 5.424 V/m; Power Drift = 0.02 dB
 Peak SAR (extrapolated) = 0.965 W/kg
SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.147 W/kg
 Maximum value of SAR (measured) = 0.662 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 22.5 °C
 Liquid Temperature: 22.4 °C
 Test Date: 04/09/2025
 Band: LTE FDD Band 66 Head SAR_Ant I
 Plot No.: A15

Communication System: UID 10100 - CAF, LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK); Frequency: 1770 MHz; Duty Cycle: 1:3.68638
 Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.342$ S/m; $\epsilon_r = 40.608$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(8.48, 8.09, 8.04) @ 1770 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 66 Head Left Touch QPSK 20MHz 50RB 0offset 132572ch/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.512 W/kg

LTE Band 66 Head Left Touch QPSK 20MHz 50RB 0offset 132572ch/Zoom Scan (5x5x7)/Cube 0:

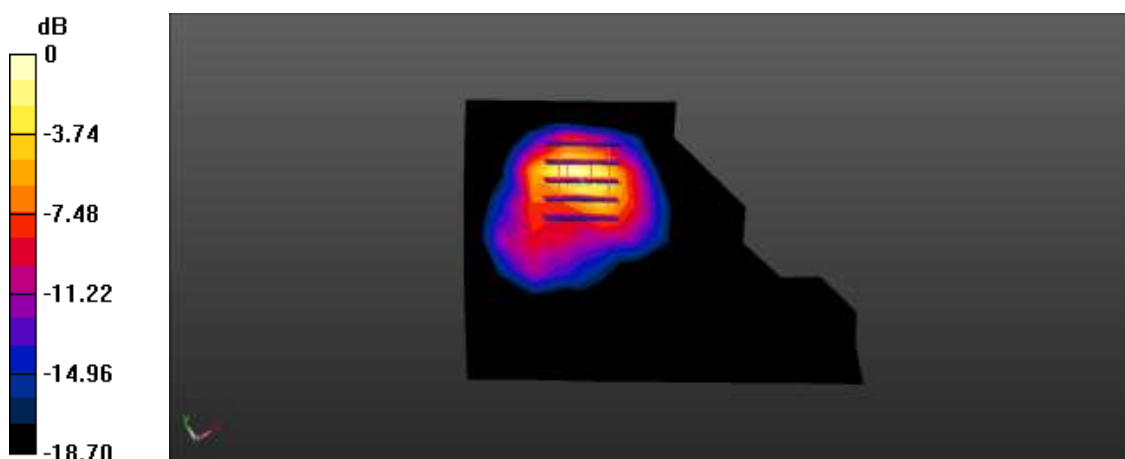
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.388 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.686 W/kg

SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.138 W/kg

Maximum value of SAR (measured) = 0.554 W/kg



0 dB = 0.554 W/kg = -2.56 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 22.0 °C
 Liquid Temperature: 21.9 °C
 Test Date: 04/14/2025
 Band: LTE FDD Band 71 Head SAR_Ant E
 Plot No.: A16

Communication System: UID 10169 - CAF, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 680.5 MHz; Duty Cycle: 1:3.73852
 Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 42.22$; $\rho = 1000$ kg/m³
 Phantom section: Right Section

DASY5 Configuration:

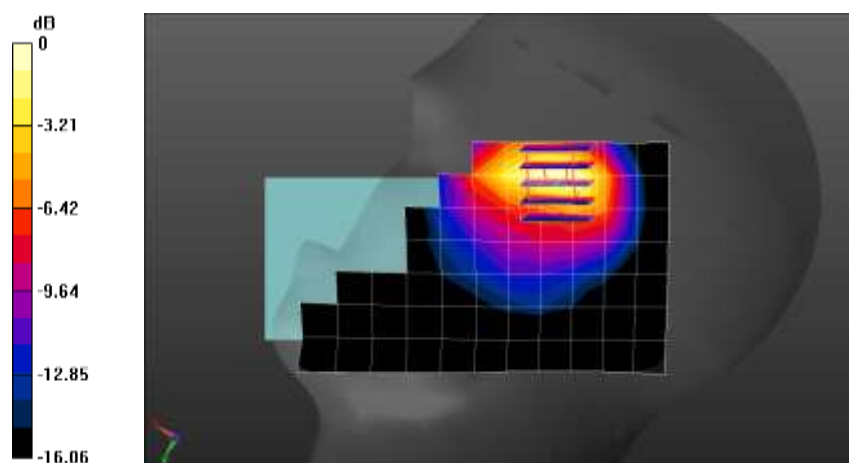
- Probe: EX3DV4 - SN7622; ConvF(10.22, 9.73, 10.28) @ 680.5 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 71 Head Right Touch QPSK 20MHz 1RB 49offset 133297ch/Area Scan (8x14x1):

Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.679 W/kg

LTE Band 71 Head Right Touch QPSK 20MHz 1RB 49offset 133297ch/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 7.396 V/m; Power Drift = -0.14 dB
 Peak SAR (extrapolated) = 0.840 W/kg
SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.198 W/kg
 Maximum value of SAR (measured) = 0.680 W/kg



0 dB = 0.680 W/kg = -1.67 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 21.6 °C
 Liquid Temperature: 21.5 °C
 Test Date: 04/17/2025
 Band: NR FDD Band n7 Head SAR_Ant I
 Plot No.: A17

Communication System: UID 10773 - AAF, 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz); Frequency: 2535 MHz; Duty Cycle: 1:6.34746
 Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.888$ S/m; $\epsilon_r = 38.469$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

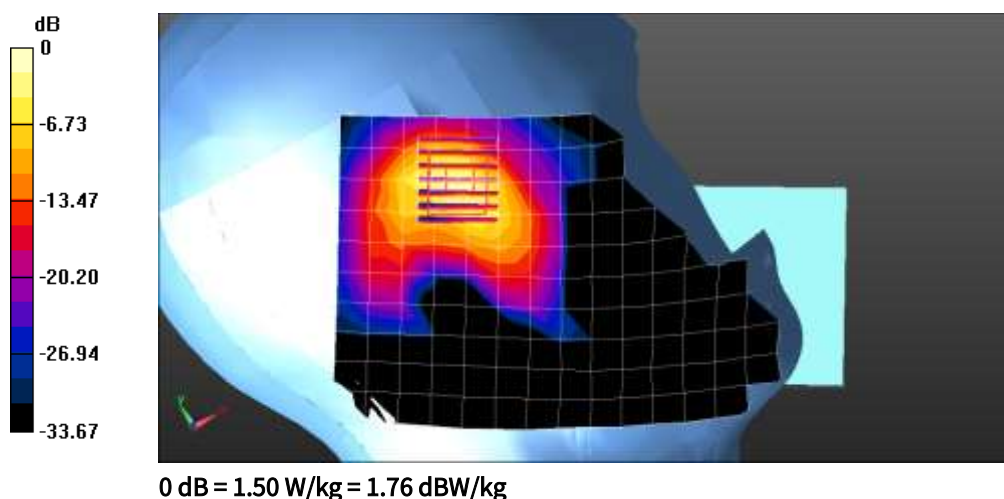
- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2535 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n7 Head Left Touch CP QPSK 40MHz 1RB 1offset 507000ch/Area Scan (11x17x1):

Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 1.36 W/kg

NR Band n7 Head Left Touch CP QPSK 40MHz 1RB 1offset 507000ch/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 4.617 V/m; Power Drift = -0.17 dB
 Peak SAR (extrapolated) = 2.10 W/kg
SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.266 W/kg
 Maximum value of SAR (measured) = 1.50 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 20.8 °C
 Liquid Temperature: 20.7 °C
 Test Date: 04/10/2025
 Band: NR FDD Band n12 Head SAR_Ant E
 Plot No.: A18
 Measurement Report for Device, TILT, Band n12, 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)
 RBPosition:Low 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
RightHead, Head Simulating Liquid	TILT, 0.00	Band n12	5G NR FR1 FDD, 10930-AAC	707.500, 141500	9.73	0.849	43.5

Hardware Setup

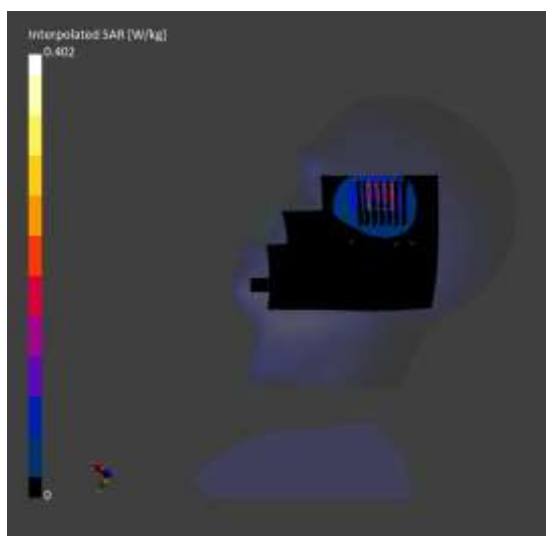
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7732, 2024-06-19	DAE4 Sn1254, 2024-05-16

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.167	0.163
psSAR10g [W/Kg]	0.101	0.081
Power Drift [dB]	-0.05	-0.12



EUT Type: Mobile Phone
Ambient Temperature: 21.0 °C
Liquid Temperature: 20.9 °C
Test Date: 04/11/2025
Band: NR FDD Band n14 Head SAR_Ant E
Plot No.: A19
Measurement Report for Device, CHEEK, Band n14, 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)
RBPosition:Low AntennaCfg:SISO, Channel 158600 (793.000 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
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n14	5G NR FR1 FDD, 10929-AAD	793.000, 158600	9.73	0.892	43.0

Hardware Setup

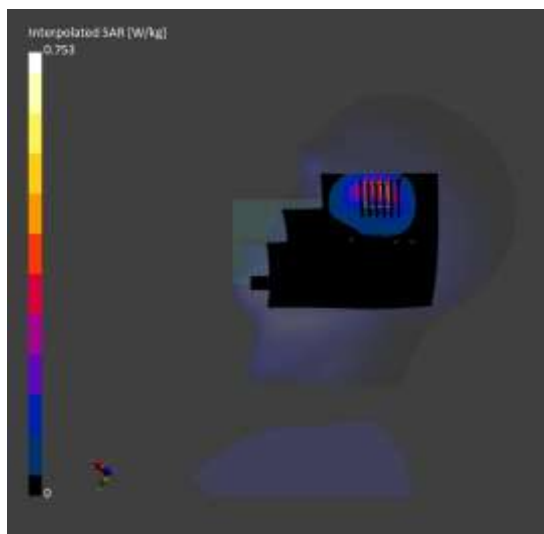
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7732, 2024-06-19	DAE4 Sn1254, 2024-05-16

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.353	0.342
psSAR10g [W/Kg]	0.217	0.178
Power Drift [dB]	-0.17	-0.14



EUT Type: Mobile Phone
 Ambient Temperature: 22.6 °C
 Liquid Temperature: 22.4 °C
 Test Date: 04/08/2025
 Band: NR FDD Band n25 Head SAR_Ant I
 Plot No.: A20

Communication System: UID 10934 - AAC, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz);
 Frequency: 1882.5 MHz; Duty Cycle: 1:3.55877
 Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.368$ S/m; $\epsilon_r = 38.96$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

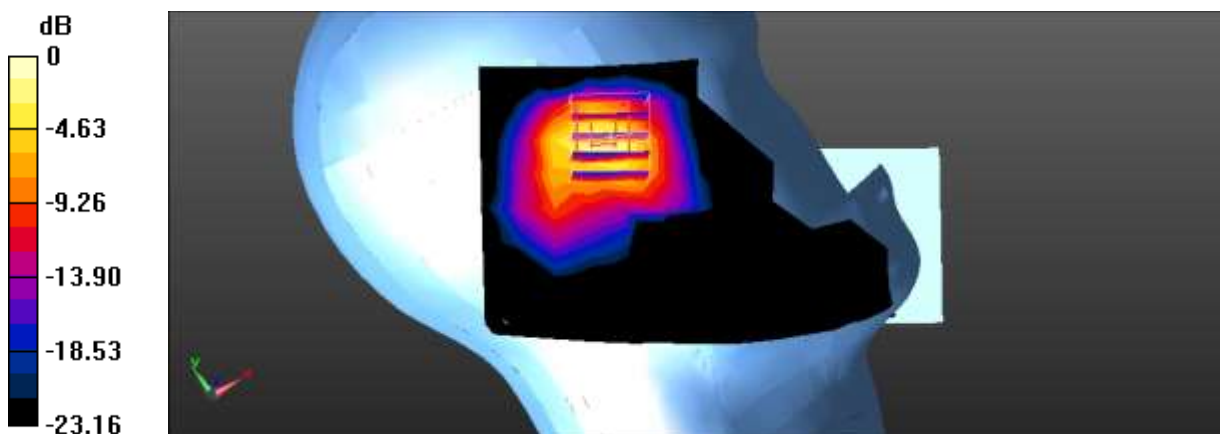
- Probe: EX3DV4 - SN3968; ConvF(8.2, 7.82, 7.77) @ 1882.5 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n25 Head Left Touch DFT-s QPSK 40MHz 1RB 108offset 376500ch/Area Scan (9x14x1):

Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.291 W/kg

NR Band n25 Head Left Touch DFT-s QPSK 40MHz 1RB 108offset 376500ch/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 5.094 V/m; Power Drift = -0.08 dB
 Peak SAR (extrapolated) = 0.496 W/kg
SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.097 W/kg
 Maximum value of SAR (measured) = 0.386 W/kg



0 dB = 0.386 W/kg = -4.13 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 21.4 °C
 Liquid Temperature: 21.3 °C
 Test Date: 04/12/2025
 Band: NR FDD Band n26 Head SAR_Ant E
 Plot No.: A21
 Measurement Report for Device, CHEEK, Band n26, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) AntennaCfg:SISO, Channel 166300 (831.500 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
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n26	5G NR FR1 FDD, 10939-AAC	831.500, 166300	9.55	0.938	41.8

Hardware Setup

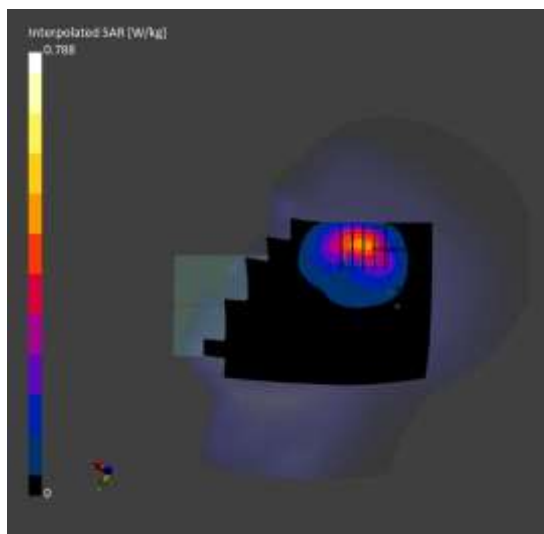
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7732, 2024-06-19	DAE4 Sn1254, 2024-05-16

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.405	0.426
psSAR10g [W/Kg]	0.250	0.230
Power Drift [dB]	-0.13	-0.16



EUT Type: Mobile Phone
 Ambient Temperature: 22.3 °C
 Liquid Temperature: 22.1 °C
 Test Date: 04/19/2025
 Band: NR FDD Band n30 Head SAR_Ant I
 Plot No.: A22

Communication System: UID 10937 - AAD, 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz);
 Frequency: 2310 MHz; Duty Cycle: 1:3.7792
 Medium parameters used (interpolated): $f = 2310$ MHz; $\sigma = 1.726$ S/m; $\epsilon_r = 39.268$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

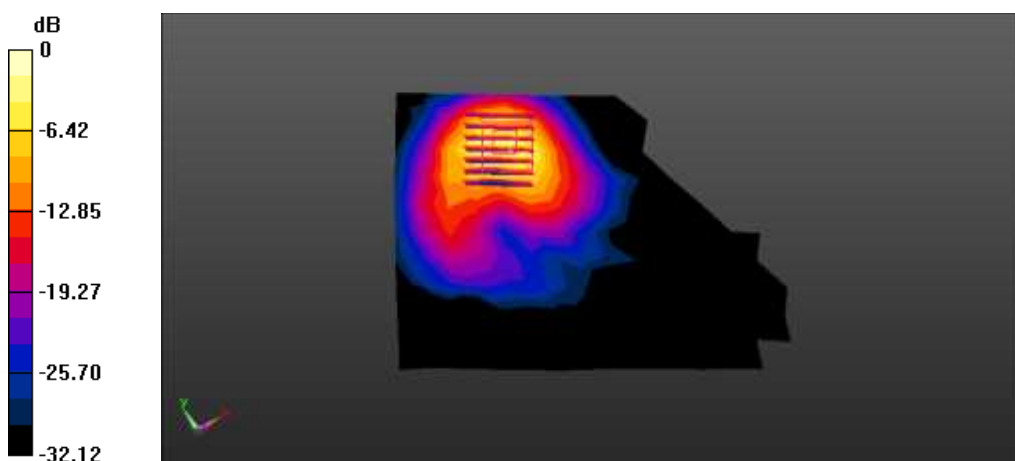
- Probe: EX3DV4 - SN3968; ConvF(7.82, 7.47, 7.41) @ 2310 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n30 Head Left Touch DFT-s QPSK 10MHz 25RB 0offset 462000ch/Area Scan (11x17x1):

Measurement grid: $dx=12$ mm, $dy=12$ mm
 Maximum value of SAR (measured) = 1.06 W/kg

NR Band n30 Head Left Touch DFT-s QPSK 10MHz 25RB 0offset 462000ch/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 5.991 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 1.87 W/kg
SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.271 W/kg
 Maximum value of SAR (measured) = 1.41 W/kg



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

EUT Type: Mobile Phone
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.7 °C
Test Date: 04/17/2025
Band: NR TDD Band n38 Head SAR_Ant I
Plot No.: A23
Measurement Report for Device, CHEEK, Band n38, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)
RBPosition:Mid AntennaCfg:SISO, Channel 519000 (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
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band n38	5G NR FR1 TDD, 10903-AAD	2595.000, 519000	7.6	2.01	37.9

Hardware Setup

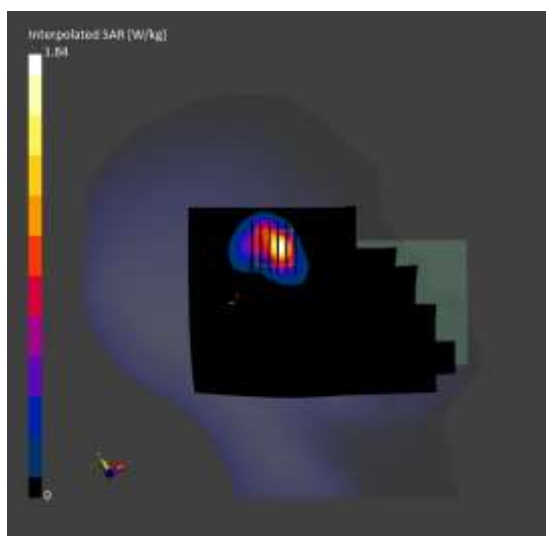
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7732, 2024-06-19	DAE4 Sn1254, 2024-05-16

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.599	0.677
psSAR10g [W/Kg]	0.247	0.257
Power Drift [dB]	0.08	-0.01



EUT Type: Mobile Phone
 Ambient Temperature: 21.8 °C
 Liquid Temperature: 21.7 °C
 Test Date: 04/20/2025
 Band: NR TDD Band n41 SRS1 Head SAR_Ant I
 Plot No.: A24

Communication System: UID 10866 - AAF, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz);
 Frequency: 2592.99 MHz; Duty Cycle: 1:3.69913
 Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.953$ S/m; $\epsilon_r = 38.219$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

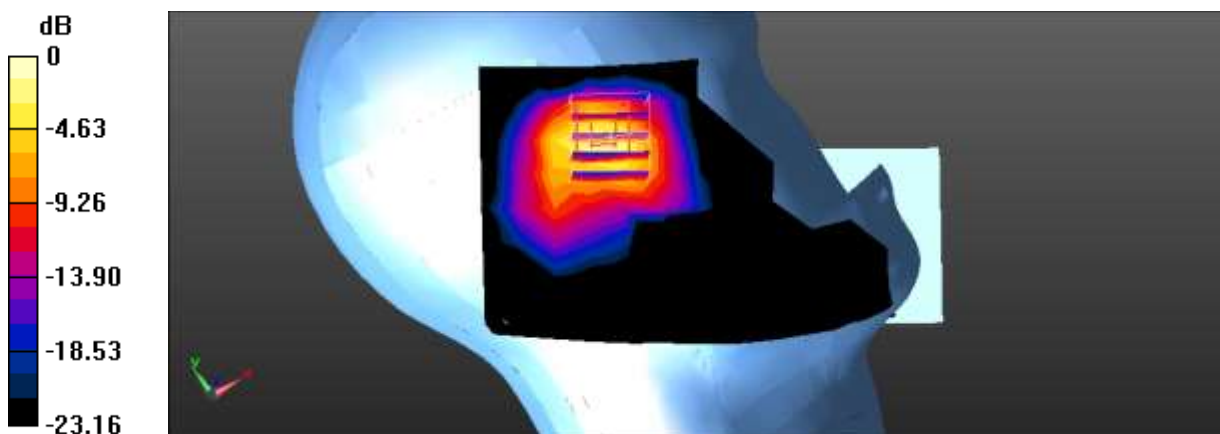
- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2592.99 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n41 Head Left Touch DFT-s QPSK 100MHz 1RB 137offset 518598ch/Area Scan (10x17x1):

Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 1.13 W/kg

NR Band n41 Head Left Touch DFT-s QPSK 100MHz 1RB 137offset 518598ch/Zoom Scan (7x7x7)/Cube

0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 4.310 V/m; Power Drift = -0.18 dB
 Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.247 W/kg
 Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 22.2 °C
 Liquid Temperature: 22.1 °C
 Test Date: 04/13/2025
 Band: NR TDD Band n48 Head SAR_Ant F
 Plot No.: A25

Communication System: UID 10797 - AAF, 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz); Frequency: 3570 MHz; Duty Cycle: 1:6.32412
 Medium parameters used (interpolated): $f = 3570$ MHz; $\sigma = 2.937$ S/m; $\epsilon_r = 38.429$; $\rho = 1000$ kg/m³
 Phantom section: Right Section

DASY5 Configuration:

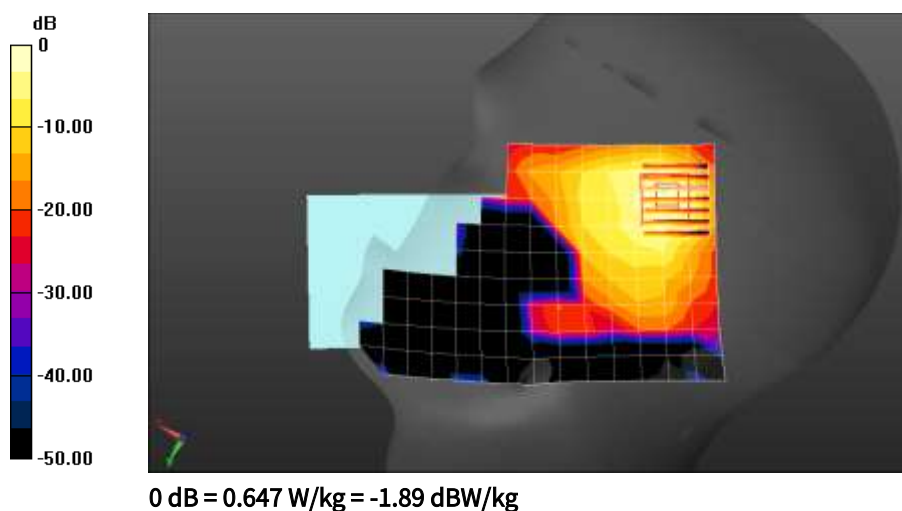
- Probe: EX3DV4 - SN7622; ConvF(7.07, 6.73, 7.11) @ 3570 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n48 Head Right Touch CP QPSK 40MHz 1RB 1offset 638000ch/Area Scan (10x17x1):

Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.570 W/kg

NR Band n48 Head Right Touch CP QPSK 40MHz 1RB 1offset 638000ch/Zoom Scan (7x7x8)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=4mm
 Reference Value = 5.762 V/m; Power Drift = -0.16 dB
 Peak SAR (extrapolated) = 0.905 W/kg
SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.157 W/kg
 Maximum value of SAR (measured) = 0.647 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 22.4 °C
 Liquid Temperature: 22.3 °C
 Test Date: 04/10/2025
 Band: NR FDD Band n66 Head SAR_Ant I
 Plot No.: A26

Communication System: UID 10934 - AAC, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz);
 Frequency: 1745 MHz; Duty Cycle: 1:3.55877
 Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.343$ S/m; $\epsilon_r = 40.637$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

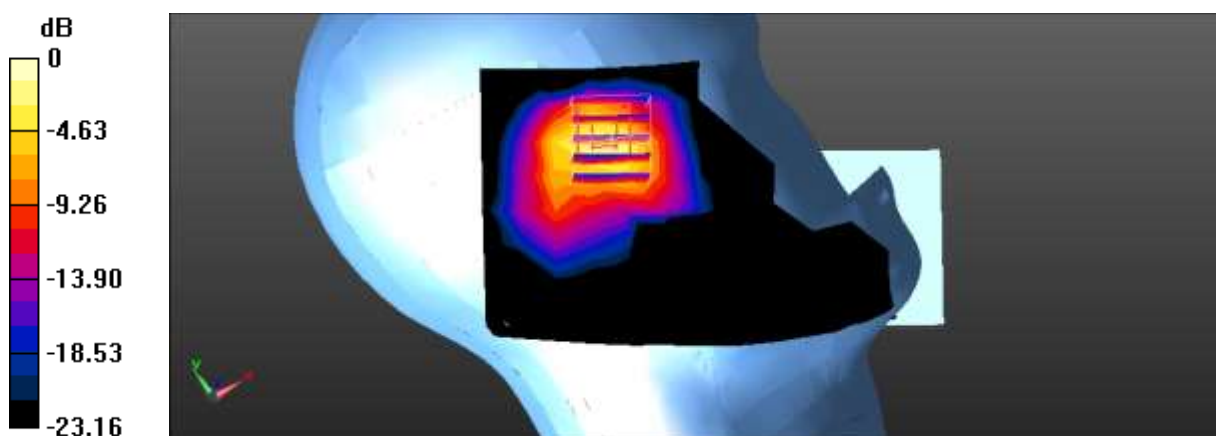
- Probe: EX3DV4 - SN3968; ConvF(8.48, 8.09, 8.04) @ 1745 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n66 Head Left Touch DFT-s QPSK 40MHz 1RB 214offset 349000ch/Area Scan (9x14x1):

Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.268 W/kg

NR Band n66 Head Left Touch DFT-s QPSK 40MHz 1RB 214offset 349000ch/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 6.629 V/m; Power Drift = -0.14 dB
 Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.097 W/kg
 Maximum value of SAR (measured) = 0.338 W/kg



0 dB = 0.338 W/kg = -4.71 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 22.7 °C
 Liquid Temperature: 22.6 °C
 Test Date: 04/15/2025
 Band: NR FDD Band n70 Head SAR_Ant I
 Plot No.: A27

Communication System: UID 10930 - AAC, 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz);
 Frequency: 1702.5 MHz; Duty Cycle: 1:3.56205
 Medium parameters used (interpolated): $f = 1702.5$ MHz; $\sigma = 1.339$ S/m; $\epsilon_r = 41.256$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(8.3, 8.66, 7.87) @ 1702.5 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn780; Calibrated: 2024-06-19
- Phantom: SAM with CRP v5.0_Left; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n70 Head Left Touch CP QPSK 15MHz 1RB 1offset 340500ch/Area Scan (9x14x1):

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

.Maximum value of SAR (measured) = 0.311 W/kg

NR Band n70 Head Left Touch CP QPSK 15MHz 1RB 1offset 340500ch/Zoom Scan (5x5x7)/Cube 0:

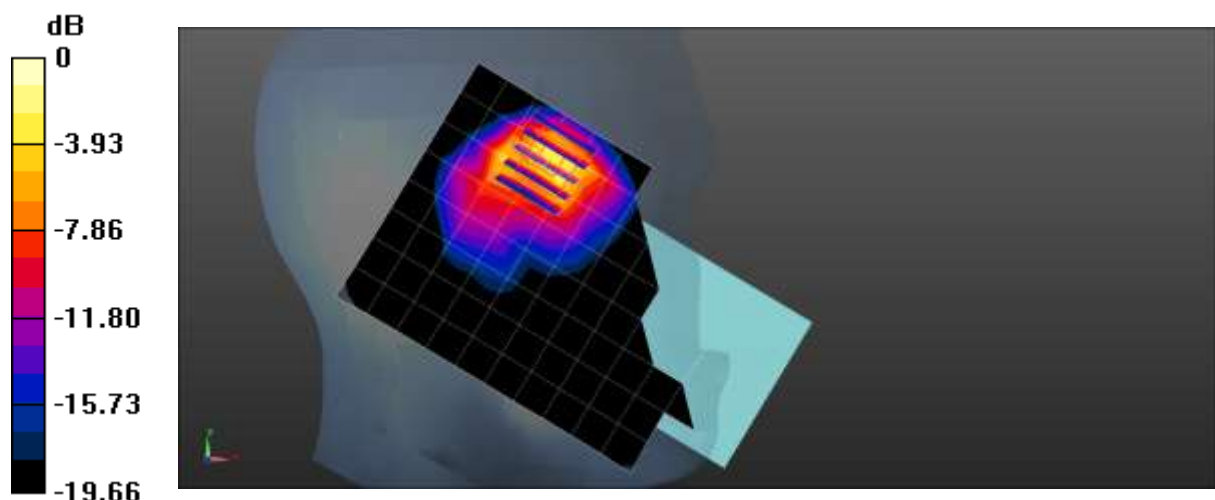
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.067 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.632 W/kg

SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.140 W/kg

Maximum value of SAR (measured) = 0.533 W/kg



0 dB = 0.533 W/kg = -2.73 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 21.4 °C
 Liquid Temperature: 21.3 °C
 Test Date: 04/14/2025
 Band: NR FDD Band n71 Head SAR_Ant E
 Plot No.: A28

Measurement Report for Device, CHEEK, 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
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n71	5G NR FR1 FDD, 10931-AAC	680.500, 136100	9.73	0.880	42.3

Hardware Setup

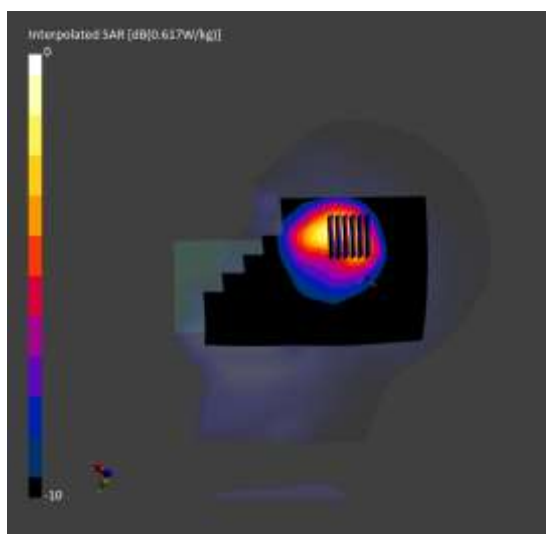
Phantom Twin-SAM V8.0 (30deg probe tilt) - xxxx	Probe, Calibration Date EX3DV4 - SN7732, 2024-06-19	DAE, Calibration Date DAE4 Sn1254, 2024-05-16
---	---	---

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.507	0.492
psSAR10g [W/Kg]	0.310	0.252
Power Drift [dB]	-0.06	0.15



EUT Type: Mobile Phone
Ambient Temperature: 22.4 °C
Liquid Temperature: 22.3 °C
Test Date: 04/06/2025
Band: NR TDD Band n77 Head SAR_Ant F
Plot No.: A29
Measurement Report for Device, CHEEK, Band n77, 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)
RBPosition:Mid AntennaCfg:SISO, Channel 650000 (3750.000 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
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10803-AAF	3750.000, 650000	6.86	3.17	38.0

Hardware Setup

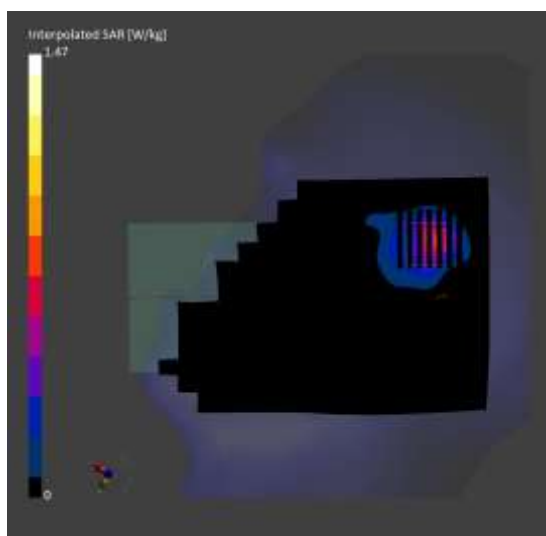
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.567	0.594
psSAR10g [W/Kg]	0.229	0.238
Power Drift [dB]	0.17	0.12



EUT Type: Mobile Phone
 Ambient Temperature: 22.5 °C
 Liquid Temperature: 22.4 °C
 Test Date: 04/16/2025
 Band: 2.4 GHz WLAN Head SAR _ Ant G+H
 Plot No.: A30
 Measurement Report for Device, TILT, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps), Channel 11 (2462.000 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
LeftHead, Head Simulating Liquid	TILT, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.000, 11	7.5	1.85	39.8

Hardware Setup

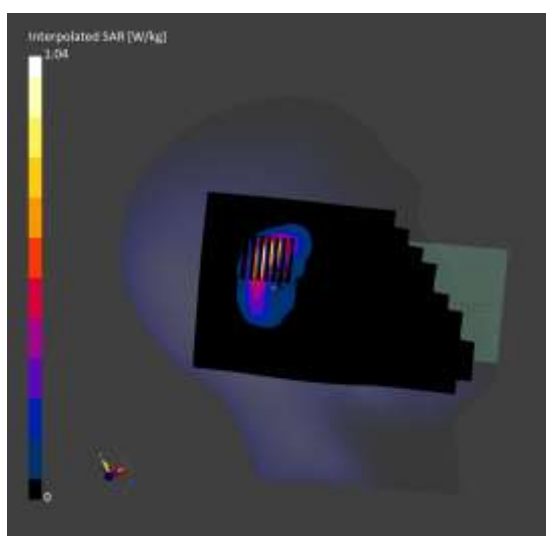
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.439	0.462
psSAR10g [W/Kg]	0.192	0.203
Power Drift [dB]	-0.09	-0.10



EUT Type: Mobile Phone
 Ambient Temperature: 22.5 °C
 Liquid Temperature: 22.6 °C
 Test Date: 04/11/2025
 Band: 5 GHz WLAN Head SAR _ Ant F+H
 Plot No.: A31
 Measurement Report for Device, TILT, U-NII-2C Standalone, IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle), Channel 122 (5610.000 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
RightHead, Head Simulating Liquid	TILT, 0.00	U-NII-2C Standalone	WLAN, 10544-AAD	5610.000, 122	5.36	5.17	34.6

Hardware Setup

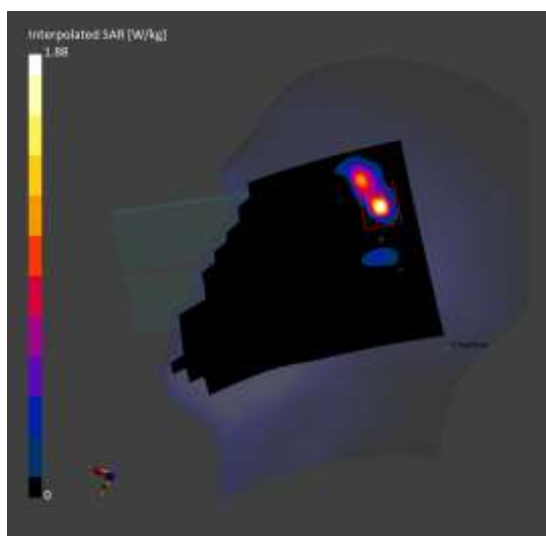
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.216	0.327
psSAR10g [W/Kg]	0.057	0.051
Power Drift [dB]	-0.08	0.06



EUT Type: Mobile Phone
Ambient Temperature: 21.3 °C
Liquid Temperature: 21.1 °C
Test Date: 04/02/2025
Band: 6 GHz WLAN Head SAR _ Ant F
Plot No.: A32
Measurement Report for Device, CHEEK, U-NII-5, IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle), Channel 3 (5965.000 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
RightHead, Head Simulating Liquid	CHEEK, 0.00	U-NII-5	WLAN, 10707-AAC	5965.000, 3	5.75	5.49	34.6

Hardware Setup

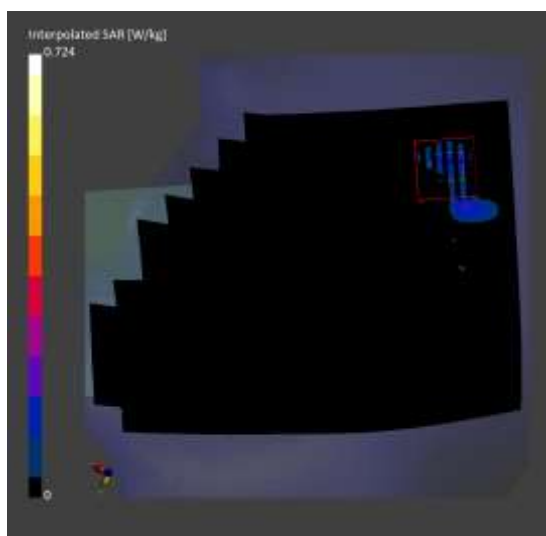
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.103	0.135
psSAR10g [W/Kg]	0.026	0.027
Power Drift [dB]	0.11	0.07



EUT Type: Mobile Phone
 Ambient Temperature: 22.0 °C
 Liquid Temperature: 21.9 °C
 Test Date: 04/18/2025
 Band: Bluetooth Head SAR _ Ant G+H
 Plot No.: A33

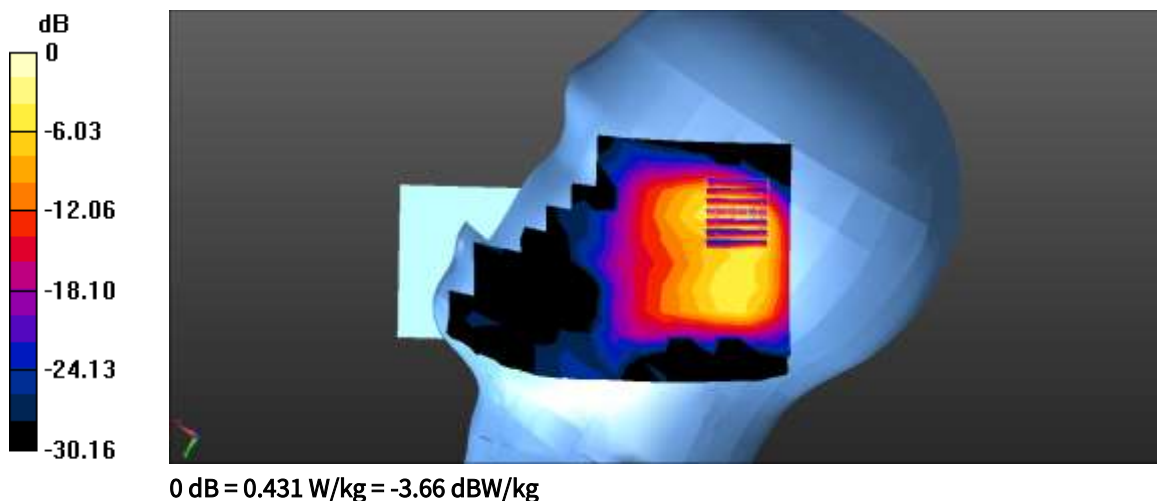
Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2480 MHz; Duty Cycle: 1:1.30557
 Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.92$ S/m; $\epsilon_r = 40.327$; $\rho = 1000$ kg/m³
 Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.58, 7.23, 7.18) @ 2480 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bluetooth Head Right Touch DH5 78ch/Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.417 W/kg

Bluetooth Head Right Touch DH5 78ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 8.509 V/m; Power Drift = 0.12 dB
 Peak SAR (extrapolated) = 0.589 W/kg
SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.085 W/kg
 Maximum value of SAR (measured) = 0.431 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 22.0 °C
 Liquid Temperature: 21.8 °C
 Test Date: 03/05/2025
 Band: GSM 850 Body SAR_Ant A Open
 Plot No.: B1
 Measurement Report for Device, BACK, GSM 850, GPRS-FDD (TDMA, GMSK, TN 0), Channel 128 (824.200 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, 5.00	GSM 850	GSM, 10023-DAC	824.200, 128	9.01	0.914	42.0

Hardware Setup

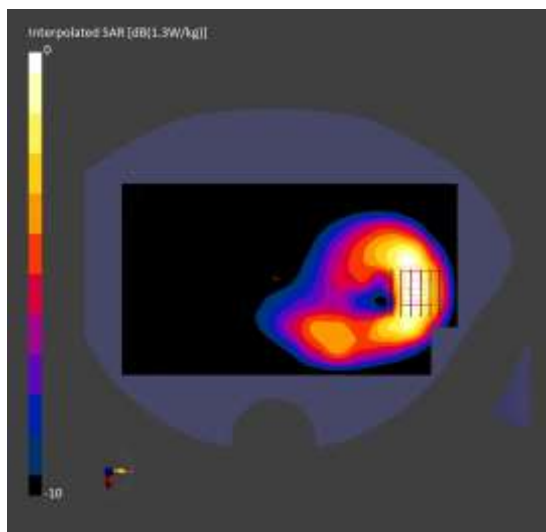
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-37

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.617	0.652
psSAR10g [W/Kg]	0.377	0.352
Power Drift [dB]	-0.01	0.06



EUT Type: Mobile Phone
Ambient Temperature: 22.5 °C
Liquid Temperature: 22.4 °C
Test Date: 03/03/2025
Band: GSM 1900 Body SAR_Ant B Open
Plot No.: B2
Measurement Report for Device, EDGE BOTTOM, PCS 1900, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3), Channel 512 (1850.200 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	EDGE BOTTOM, 5.00	PCS 1900	GSM, 10028-DAC	1850.200, 512	8.13	1.38	40.6

Hardware Setup

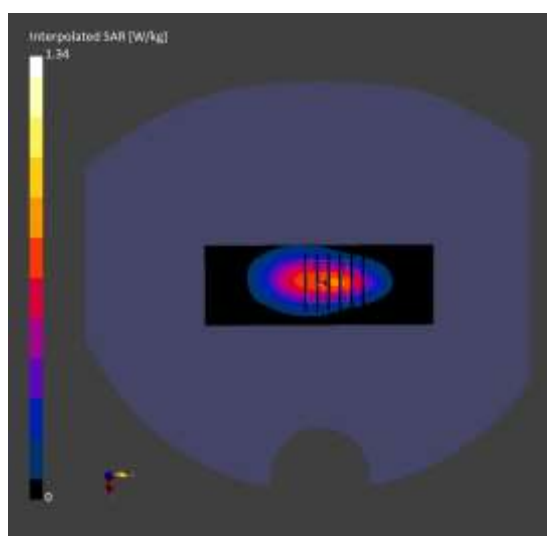
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 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]	0.634	0.645
psSAR10g [W/Kg]	0.338	0.327
Power Drift [dB]	0.11	-0.03



EUT Type: Mobile Phone
 Ambient Temperature: 20.3 °C
 Liquid Temperature: 20.1 °C
 Test Date: 03/06/2025
 Band: UMTS Band 5 Body SAR_Ant A Open
 Plot No.: B3
 Measurement Report for Device, BACK, Band 5, UMTS-FDD (WCDMA), Channel 4233 (846.600 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, 5.00	Band 5	WCDMA, 10011-CAC	846.600, 4233	9.01	0.910	41.7

Hardware Setup

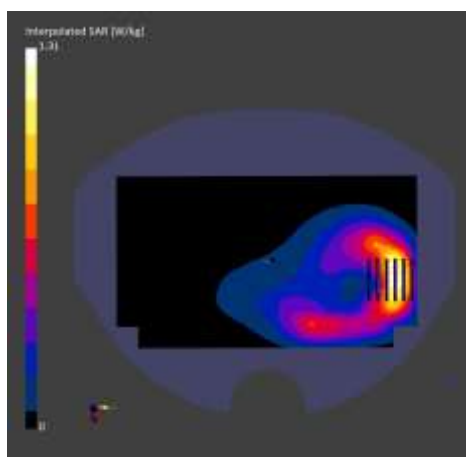
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-37

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.664	0.672
psSAR10g [W/kg]	0.398	0.363
Power Drift [dB]	-0.01	0.07



EUT Type: Mobile Phone
 Ambient Temperature: 21.6 °C
 Liquid Temperature: 21.5 °C
 Test Date: 04/23/2025
 Band: UMTS Band 4 Body SAR_Ant I Open
 Plot No.: B4

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.4 MHz; Duty Cycle: 1:1.95434

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.364$ S/m; $\epsilon_r = 40.807$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(8.3, 8.66, 7.87) @ 1732.6 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn780; Calibrated: 2024-06-19
- Phantom: SAM with CRP v5.0_Left; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

UMTS Band 4 Body Right 1412ch/Area Scan (6x18x1): Measurement grid: dx=12mm, dy=12mm.

Maximum value of SAR (measured) = 0.604 W/kg

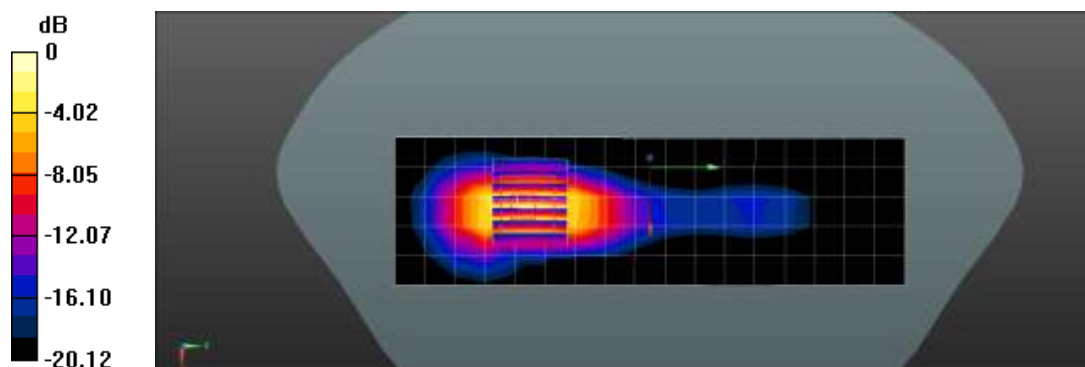
UMTS Band 4 Body Right 1412ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.045 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.622 W/kg; SAR(10 g) = 0.284 W/kg

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



0 dB = 1.03 W/kg = 0.13 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 22.6 °C
 Liquid Temperature: 22.4 °C
 Test Date: 03/01/2025
 Band: UMTS Band 2 Body SAR_Ant B Open
 Plot No.: B5
 Measurement Report for Device, EDGE BOTTOM, 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	EDGE BOTTOM, 5.00	Band 2	WCDMA, 10011-CAC	1880.000, 9400	8.13	1.42	40.3

Hardware Setup

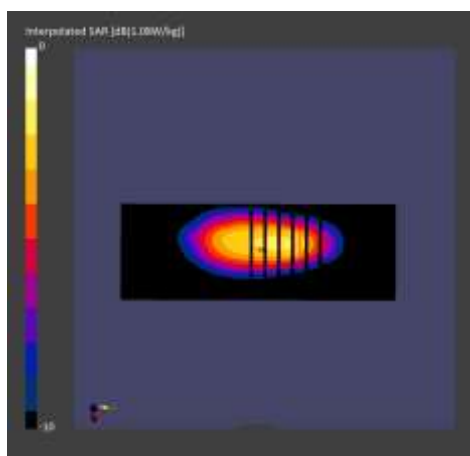
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-01, 03:49	2025-03-01, 03:55
psSAR1g [W/kg]	0.519	0.523
psSAR10g [W/kg]	0.272	0.256
Power Drift [dB]	0.02	-0.04



EUT Type: Mobile Phone
 Ambient Temperature: 20.6 °C
 Liquid Temperature: 20.5 °C
 Test Date: 02/24/2025
 Band: LTE FDD Band 7 Body SAR_Ant B Open
 Plot No.: B6
 Measurement Report for Device, BACK, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
 RBPosition:Low 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, 5.00	Band 7	LTE-FDD, 10169-CAF	2510.000, 20850	6.76	1.82	40.4

Hardware Setup

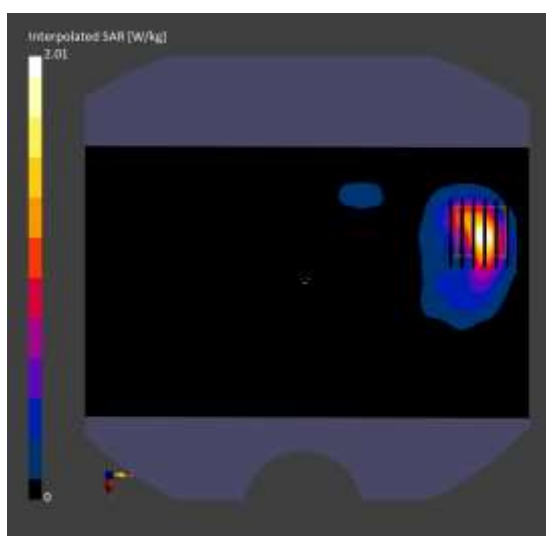
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4ip Sn1867, 2024-05-02

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.823	0.818
psSAR10g [W/Kg]	0.343	0.327
Power Drift [dB]	0.12	-0.13



EUT Type: Mobile Phone
 Ambient Temperature: 21.8 °C
 Liquid Temperature: 21.7 °C
 Test Date: 02/24/2025
 Band: LTE FDD Band 12 Body SAR_Ant A Open
 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, 0.00	Band 12	LTE-FDD, 10175-CAH	707.500, 23095	9.71	0.881	44.1

Hardware Setup

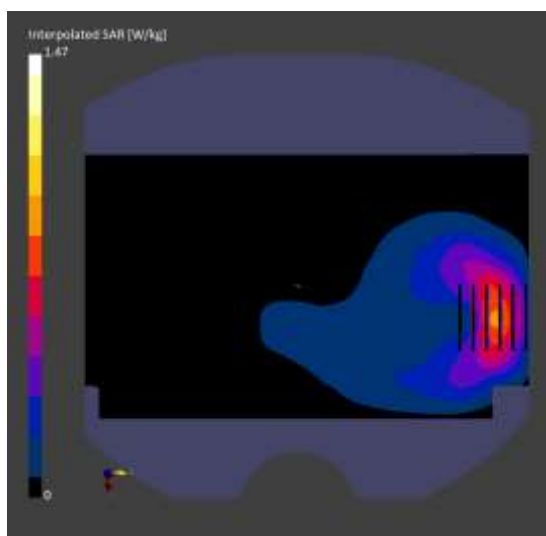
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.730	0.699
psSAR10g [W/Kg]	0.443	0.367
Power Drift [dB]	-0.03	-0.00



EUT Type: Mobile Phone
 Ambient Temperature: 21.9 °C
 Liquid Temperature: 21.7 °C
 Test Date: 02/25/2025
 Band: LTE FDD Band 13 Body SAR_Ant A Open
 Plot No.: B8
 Measurement Report for Device, BACK, Band 13, LTE-FDD (SC-FDMA, 100% 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, 0.00	Band 13	LTE-FDD, 10108-CAH	782.000, 23230	9.71	0.903	42.9

Hardware Setup

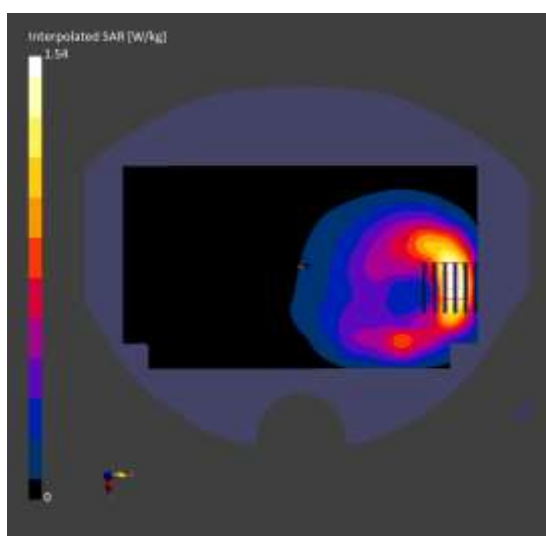
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.816	0.835
psSAR10g [W/Kg]	0.504	0.474
Power Drift [dB]	0.01	-0.03



EUT Type: Mobile Phone
 Ambient Temperature: 22.9 °C
 Liquid Temperature: 22.8 °C
 Test Date: 02/26/2025
 Band: LTE FDD Band 14 Body SAR_Ant A Close
 Plot No.: B9
 Measurement Report for Device, BACK, Band 14, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)
 RBPosition:Low AntennaCfg:SISO, Channel 23330 (793.000 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, 5.00	Band 14	LTE-FDD, 10175-CAH	793.000, 23330	9.71	0.910	42.8

Hardware Setup

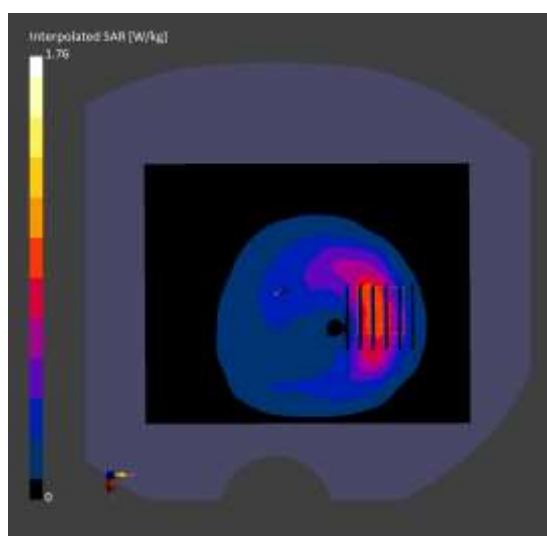
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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]	0.837	0.864
psSAR10g [W/Kg]	0.507	0.461
Power Drift [dB]	-0.02	-0.00



EUT Type: Mobile Phone
Ambient Temperature: 21.5 °C
Liquid Temperature: 21.4 °C
Test Date: 02/24/2025
Band: LTE FDD Band 25 Body SAR_Ant B Open
Plot No.: B10

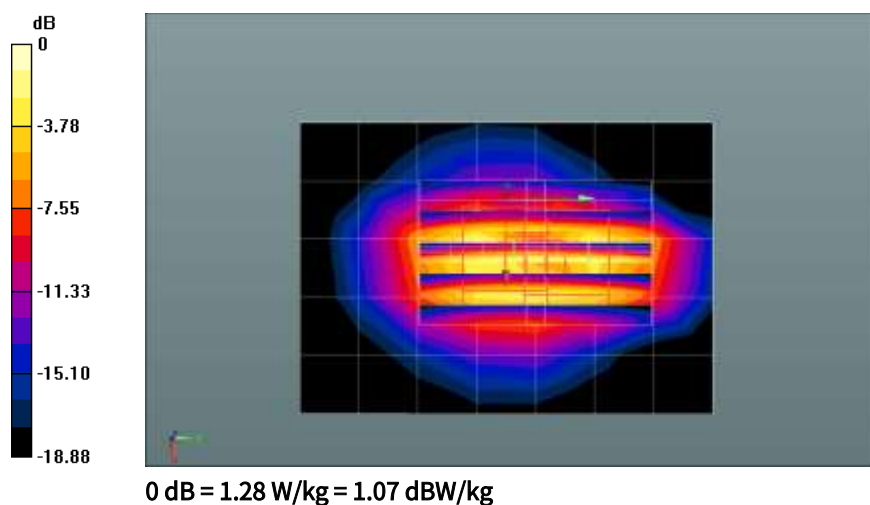
Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1905 MHz; Duty Cycle: 1:3.73852
 Medium parameters used (interpolated): $f = 1905$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 41.039$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(8.01, 8.36, 7.6) @ 1905 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn780; Calibrated: 2024-06-19
- Phantom: SAM with CRP v5.0_Left; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 25 Body Bottom QPSK 20MHz 1RB 49offset 26590ch/Area Scan (6x8x1): Measurement grid:
 dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.744 W/kg

LTE Band 25 Body Bottom QPSK 20MHz 1RB 49offset 26590ch/Zoom Scan (5x5x7)/Cube 0:
 Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 31.47 V/m; Power Drift = 0.03 dB
 Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 0.846 W/kg; SAR(10 g) = 0.427 W/kg
 Maximum value of SAR (measured) = 1.36 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 22.7 °C
 Liquid Temperature: 22.5 °C
 Test Date: 02/27/2025
 Band: LTE FDD Band 26 Body SAR_Ant A Close
 Plot No.: B11
 Measurement Report for Device, BACK, Band 26, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)
 RBPosition:Low AntennaCfg:SISO, Channel 26865 (831.500 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, 5.00	Band 26	LTE-FDD, 10181-CAF	831.500, 26865	9.44	0.929	42.9

Hardware Setup

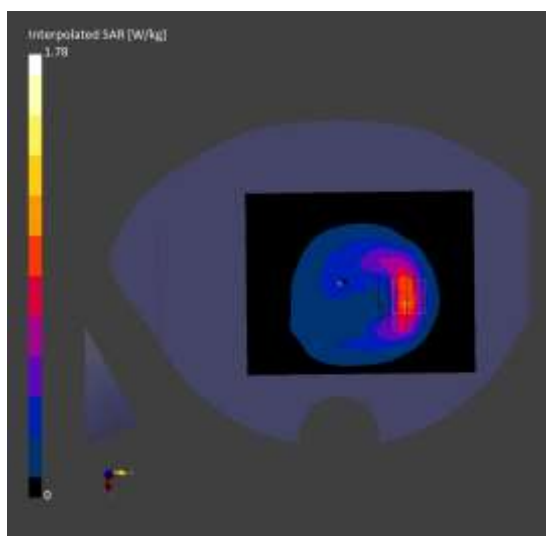
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 150.0	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]	0.857	0.851
psSAR10g [W/Kg]	0.500	0.446
Power Drift [dB]	0.00	-0.01



EUT Type: Mobile Phone
 Ambient Temperature: 21.7 °C
 Liquid Temperature: 21.5 °C
 Test Date: 02/26/2025
 Band: LTE FDD Band 30 Body SAR_Ant B Open
 Plot No.: B12
 Measurement Report for Device, BACK, Band 30, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)
 RBPosition:Low AntennaCfg:SISO, Channel 27710 (2310.000 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, 5.00	Band 30	LTE-FDD, 10175-CAH	2310.000, 27710	7.07	1.68	39.4

Hardware Setup

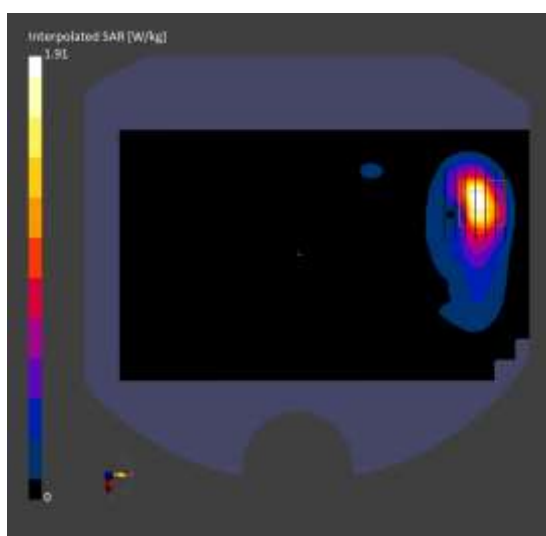
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4ip Sn1867, 2024-05-02

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 190.0	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]	0.816	0.849
psSAR10g [W/Kg]	0.356	0.345
Power Drift [dB]	0.11	0.15



EUT Type: Mobile Phone
 Ambient Temperature: 21.8 °C
 Liquid Temperature: 21.7 °C
 Test Date: 04/15/2025
 Band: LTE TDD Band 41 Body SAR_Ant I Close
 Plot No.: B13

Communication System: UID 10435 - AAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9); Frequency: 2636.5 MHz; Duty Cycle: 1:6.05899
 Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 38.169$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2636.5 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 41 Body Right QPSK 20MHz 1RB 0offset 41055ch/Area Scan (6x11x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.00 W/kg

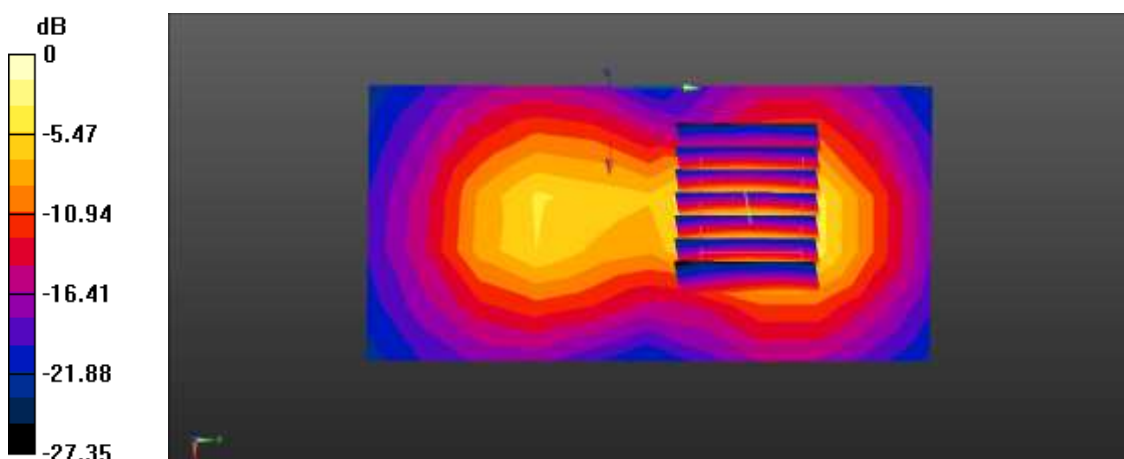
LTE Band 41 Body Right QPSK 20MHz 1RB 0offset 41055ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.88 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.339 W/kg

Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 22.0 °C
 Liquid Temperature: 21.8 °C
 Test Date: 04/18/2025
 Band: LTE TDD Band 48 Body SAR_Ant F Open
 Plot No.: B14

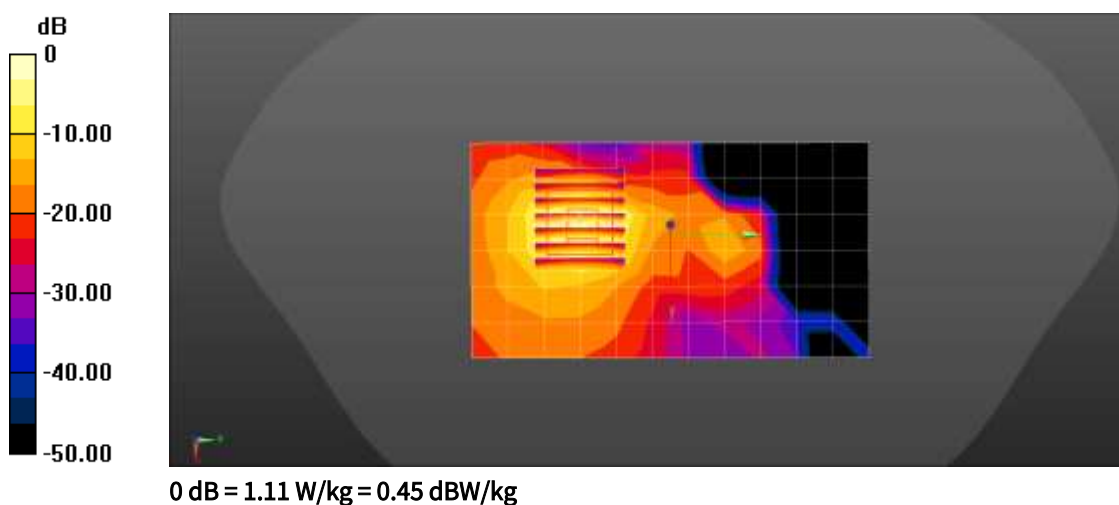
Communication System: UID 10435 - AAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9); Frequency: 3690 MHz; Duty Cycle: 1:6.05899
 Medium parameters used (interpolated): $f = 3690$ MHz; $\sigma = 2.969$ S/m; $\epsilon_r = 39.25$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(6.95, 6.62, 6.99) @ 3690 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 48 Body Top QPSK 20MHz 50RB 0offset 56640ch/Area Scan (7x12x1): Measurement grid:
 dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.727 W/kg

LTE Band 48 Body Top QPSK 20MHz 50RB 0offset 56640ch/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
 Reference Value = 2.534 V/m; Power Drift = -0.14 dB
 Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.177 W/kg
 Maximum value of SAR (measured) = 1.11 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 22.5 °C
 Liquid Temperature: 22.4 °C
 Test Date: 04/09/2025
 Band: LTE FDD Band 66 Body SAR_Ant I Open
 Plot No.: B15

Communication System: UID 10100 - CAF, LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK); Frequency: 1770 MHz; Duty Cycle: 1:3.68638
 Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.342$ S/m; $\epsilon_r = 40.608$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(8.48, 8.09, 8.04) @ 1770 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 66 Body Rear QPSK 20MHz 100RB 0offset 132572ch/Area Scan (9x14x1): Measurement grid:
 dx=15mm, dy=15mm

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

LTE Band 66 Body Rear QPSK 20MHz 100RB 0offset 132572ch/Zoom Scan (5x5x7)/Cube 0:

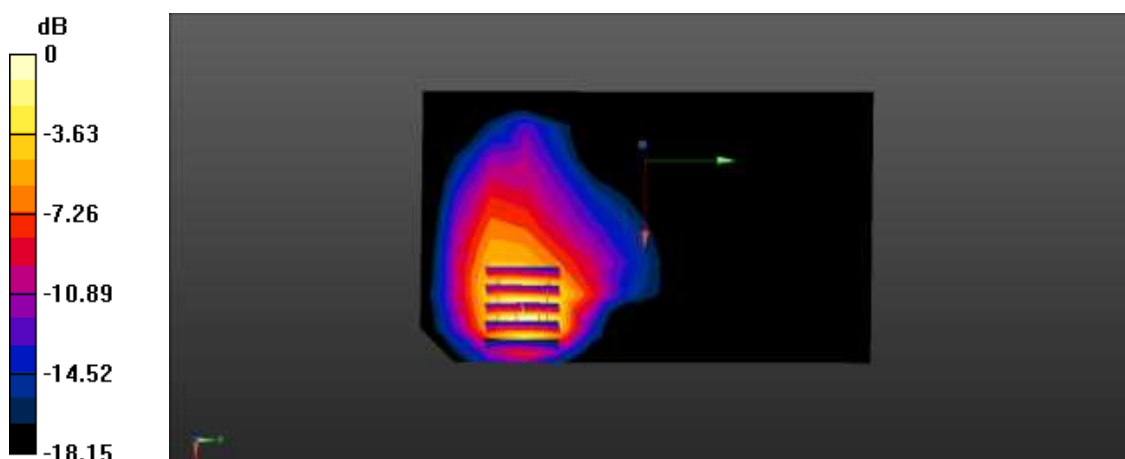
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.933 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.456 W/kg

Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 22.5 °C
 Liquid Temperature: 22.3 °C
 Test Date: 02/28/2025
 Band: LTE FDD Band 71 Body SAR_Ant A Open
 Plot No.: B16
 Measurement Report for Device, BACK, Band 71, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
 RBPosition:Low AntennaCfg:SISO, Channel 133297 (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, 5.00	Band 71	LTE-FDD, 10169-CAF	680.500, 133297	9.71	0.879	42.4

Hardware Setup

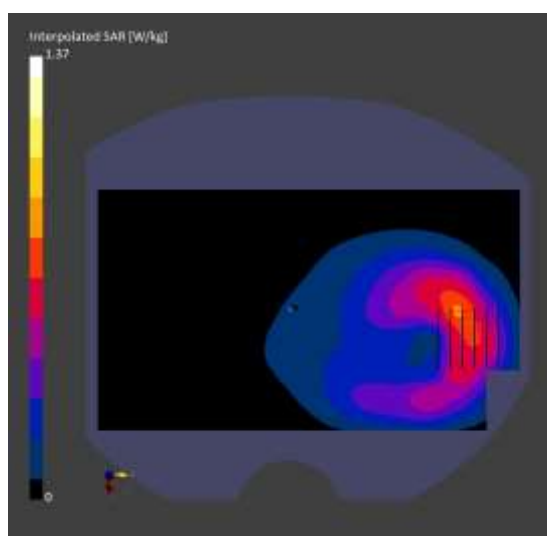
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 200.0	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]	0.694	0.737
psSAR10g [W/Kg]	0.447	0.424
Power Drift [dB]	-0.07	0.02



EUT Type: Mobile Phone
 Ambient Temperature: 21.6 °C
 Liquid Temperature: 21.5 °C
 Test Date: 04/17/2025
 Band: NR FDD Band n7 Body SAR_Ant I Open
 Plot No.: B17

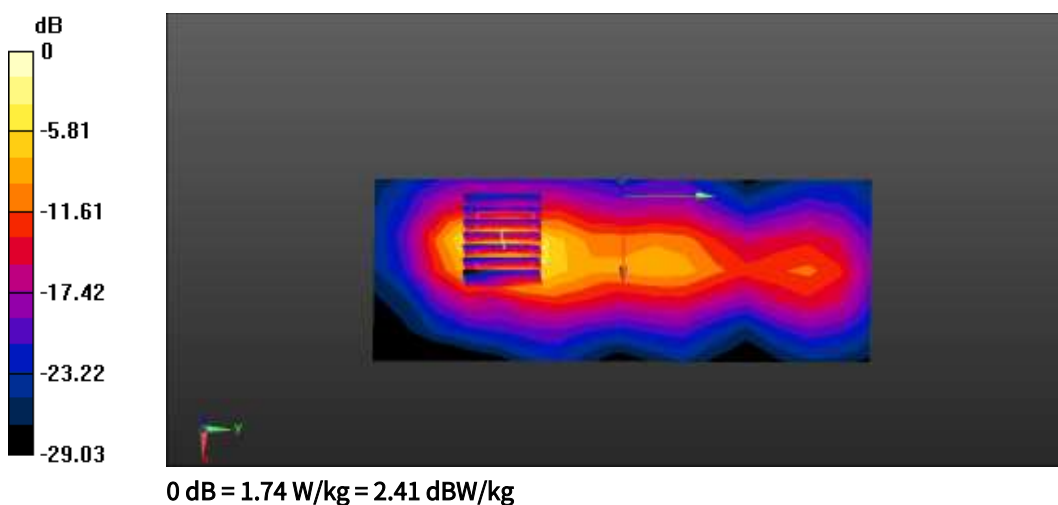
Communication System: UID 10934 - AAC, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz);
 Frequency: 2535 MHz; Duty Cycle: 1:3.55877
 Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.888$ S/m; $\epsilon_r = 38.469$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2535 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n7 Body Right DFT-s QPSK 40MHz 1RB 1offset 507000ch/Area Scan (9x17x1): Measurement
 grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 1.65 W/kg

NR Band n7 Body Right DFT-s QPSK 40MHz 1RB 1offset 507000ch/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 14.70 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 0.883 W/kg; SAR(10 g) = 0.322 W/kg
 Maximum value of SAR (measured) = 1.74 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 21.7 °C
 Liquid Temperature: 21.6 °C
 Test Date: 03/03/2025
 Band: NR FDD Band n12 Body SAR_Ant A Open
 Plot No.: B18
 Measurement Report for Device, BACK, Band n12, 5G NR (DFT-s-OFDM, 1 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, 5.00	Band n12	5G NR FR1 FDD, 10930-AAC	707.500, 141500	8.89	0.884	42.9

Hardware Setup

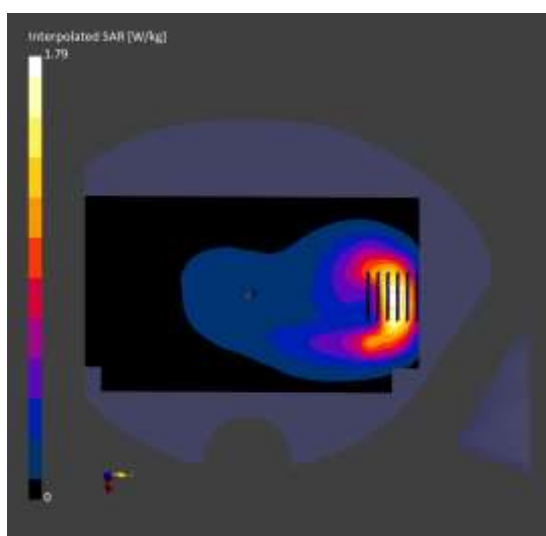
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.890	0.843
psSAR10g [W/Kg]	0.545	0.444
Power Drift [dB]	0.06	0.07



EUT Type: Mobile Phone
 Ambient Temperature: 21.9 °C
 Liquid Temperature: 21.8 °C
 Test Date: 03/04/2025
 Band: NR FDD Band n14 Body SAR_Ant A Open
 Plot No.: B19
 Measurement Report for Device, BACK, Band n14, 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) AntennaCfg:SISO, Channel 158600 (793.000 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, 5.00	Band n14	5G NR FR1 FDD, 10945-AAD	793.000, 158600	8.89	0.901	42.4

Hardware Setup

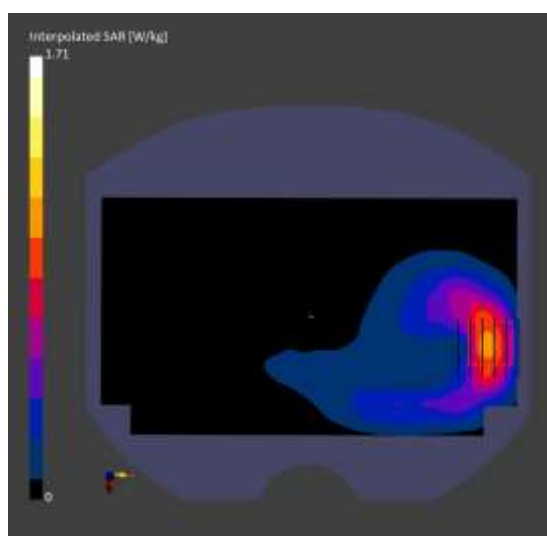
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.904	0.878
psSAR10g [W/Kg]	0.546	0.476
Power Drift [dB]	-0.00	0.07



EUT Type: Mobile Phone
 Ambient Temperature: 22.3 °C
 Liquid Temperature: 22.2 °C
 Test Date: 03/06/2025
 Band: NR FDD Band n25 Body SAR_Ant B Open
 Plot No.: B20
 Measurement Report for Device, EDGE BOTTOM, Band n25, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) RBPosition:Mid 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	EDGE BOTTOM, 5.00	Band n25	5G NR FR1 FDD, 10942-AAC	1882.500, 376500	8.13	1.42	41.0

Hardware Setup

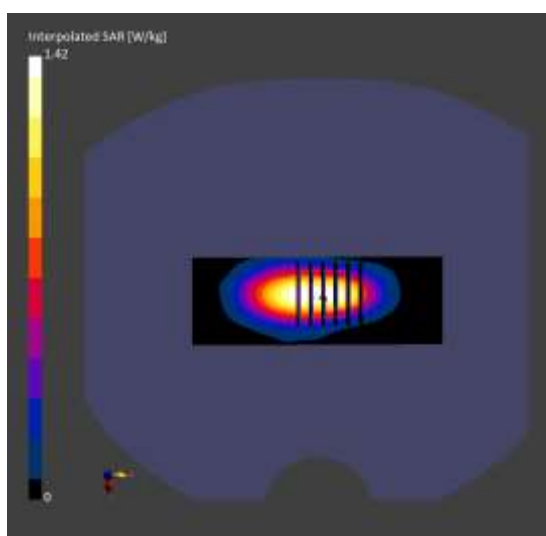
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 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]	0.682	0.705
psSAR10g [W/Kg]	0.363	0.358
Power Drift [dB]	0.01	0.01



EUT Type: Mobile Phone
 Ambient Temperature: 21.1 °C
 Liquid Temperature: 21.0 °C
 Test Date: 03/07/2025
 Band: NR FDD Band n26 Body SAR_Ant A Open
 Plot No.: B21
 Measurement Report for Device, BACK, Band n26, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)
 RBPosition:Mid AntennaCfg:SISO, Channel 166300 (831.500 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, 5.00	Band n26	5G NR FR1 FDD, 10931-AAC	831.500, 166300	9.01	0.916	42.1

Hardware Setup

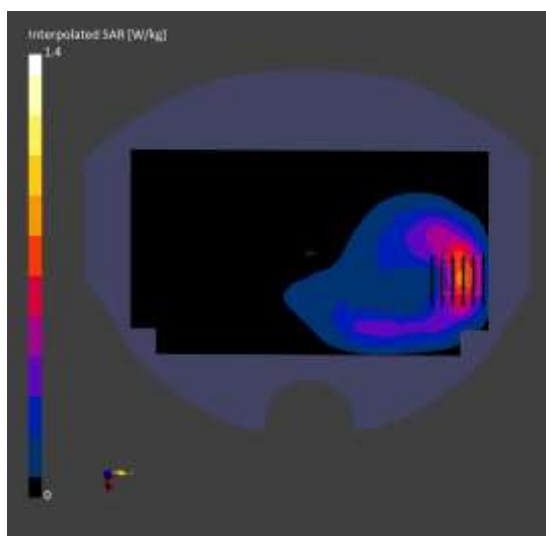
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.699	0.712
psSAR10g [W/Kg]	0.420	0.388
Power Drift [dB]	0.11	0.17



EUT Type: Mobile Phone
Ambient Temperature: 21.6 °C
Liquid Temperature: 21.4 °C
Test Date: 03/02/2025
Band: NR FDD Band n30 Body SAR_Ant B Open
Plot No.: B22
Measurement Report for Device, BACK, Band n30, 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)
RBPosition:Mid AntennaCfg:SISO, Channel 462000 (2310.000 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, 5.00	Band n30	5G NR FR1 FDD, 10929-AAD	2310.000, 462000	7.07	1.68	39.4

Hardware Setup

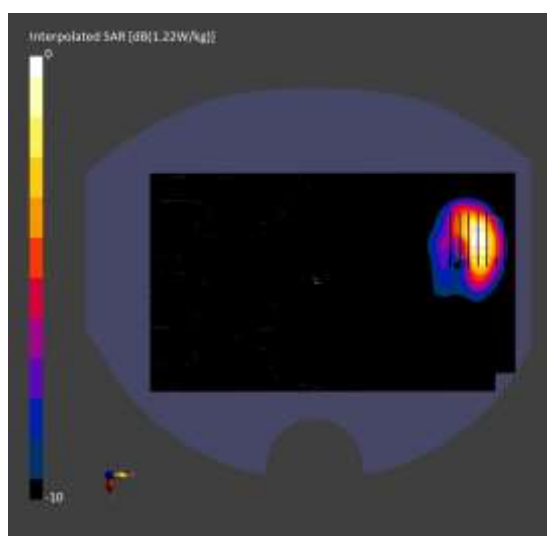
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4ip Sn1867, 2024-05-02

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.872	0.873
psSAR10g [W/Kg]	0.371	0.360
Power Drift [dB]	0.10	0.16



EUT Type: Mobile Phone
 Ambient Temperature: 21.8 °C
 Liquid Temperature: 21.7 °C
 Test Date: 04/20/2025
 Band: NR TDD Band n41 Body SAR_SRS1 Ant I Open
 Plot No.: B23

Communication System: UID 10866 - AAF, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz);
 Frequency: 2592.99 MHz; Duty Cycle: 1:3.69913
 Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.953$ S/m; $\epsilon_r = 38.219$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

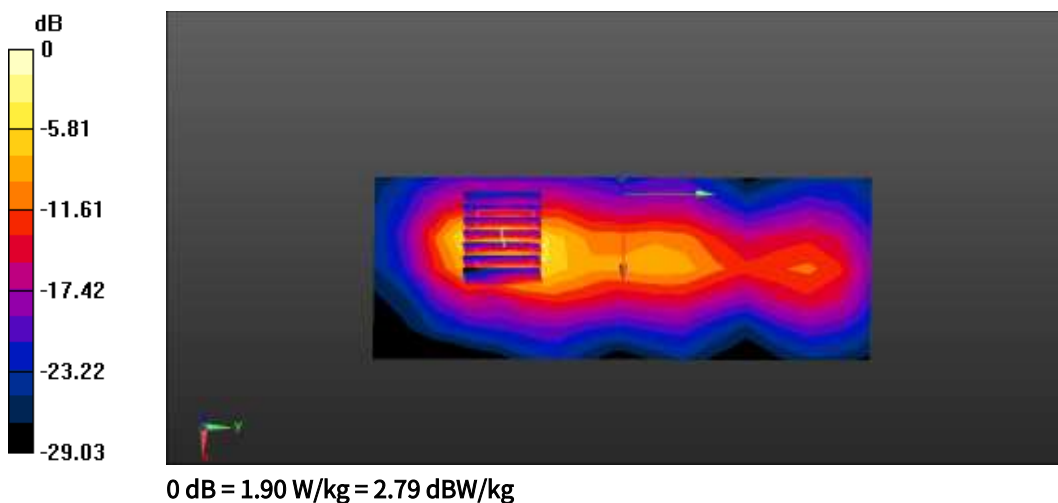
- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2592.99 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n41 Body Right DFT-s QPSK 100MHz 1RB 137offset 518598ch/Area Scan (7x17x1):

Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 1.20 W/kg

NR Band n41 Body Right DFT-s QPSK 100MHz 1RB 137offset 518598ch/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 12.31 V/m; Power Drift = 0.06 dB
 Peak SAR (extrapolated) = 2.44 W/kg
SAR(1 g) = 0.989 W/kg; SAR(10 g) = 0.363 W/kg
 Maximum value of SAR (measured) = 1.90 W/kg



EUT Type: Mobile Phone
Ambient Temperature: 22.3 °C
Liquid Temperature: 22.1 °C
Test Date: 04/20/2025
Band: NR TDD Band n48 Body SAR_SRS2 Ant E Open
Plot No.: B24
Measurement Report for Device, EDGE LEFT, Band n48, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 645332 (3680.0 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, HSL	EDGE LEFT, 5.00	Band n48	5G NR FR1 TDD, 10903-AAD	3680.0, 645332	7.33	3.08	38.2

Hardware Setup

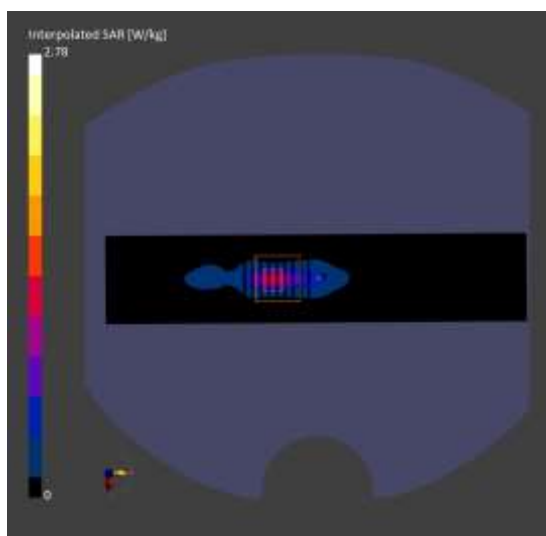
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7654, 2024-05-22	DAE4 Sn868, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	7.0 x 10.0	3.8 x 3.8 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.794	0.856
psSAR10g [W/Kg]	0.239	0.241
Power Drift [dB]	-0.05	-0.03



EUT Type: Mobile Phone
 Ambient Temperature: 22.1 °C
 Liquid Temperature: 22.0 °C
 Test Date: 03/08/2025
 Band: NR FDD Band n66 Body SAR_Ant B Open
 Plot No.: B25
 Measurement Report for Device, BACK, Band n66, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)
 RBPosition:High 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, 5.00	Band n66	5G NR FR1 FDD, 10934-AAC	1745.000, 349000	8.47	1.37	41.6

Hardware Setup

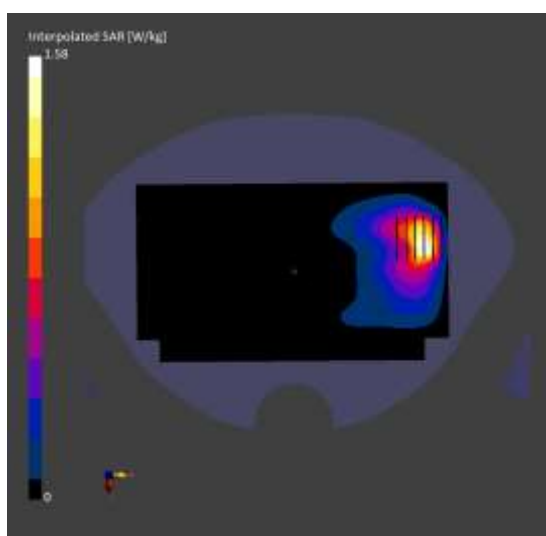
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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]	0.620	0.761
psSAR10g [W/Kg]	0.330	0.355
Power Drift [dB]	-0.12	-0.10



EUT Type: Mobile Phone
 Ambient Temperature: 22.5 °C
 Liquid Temperature: 22.4 °C
 Test Date: 04/14/2025
 Band: NR FDD Band n70 Body SAR_Ant B Open
 Plot No.: B26

Communication System: UID 10930 - AAC, 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz);
 Frequency: 1702.5 MHz; Duty Cycle: 1:3.56205
 Medium parameters used (interpolated): $f = 1702.5$ MHz; $\sigma = 1.327$ S/m; $\epsilon_r = 41.671$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(8.3, 8.66, 7.87) @ 1702.5 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn780; Calibrated: 2024-06-19
- Phantom: SAM with CRP v5.0_Left; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n70 Body Bottom CP QPSK 15MHz 1RB 1offset 340500ch/Area Scan (5x9x1): Measurement
 grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.939 W/kg

NR Band n70 Body Bottom CP QPSK 15MHz 1RB 1offset 340500ch/Zoom Scan (5x5x7)/Cube 0:

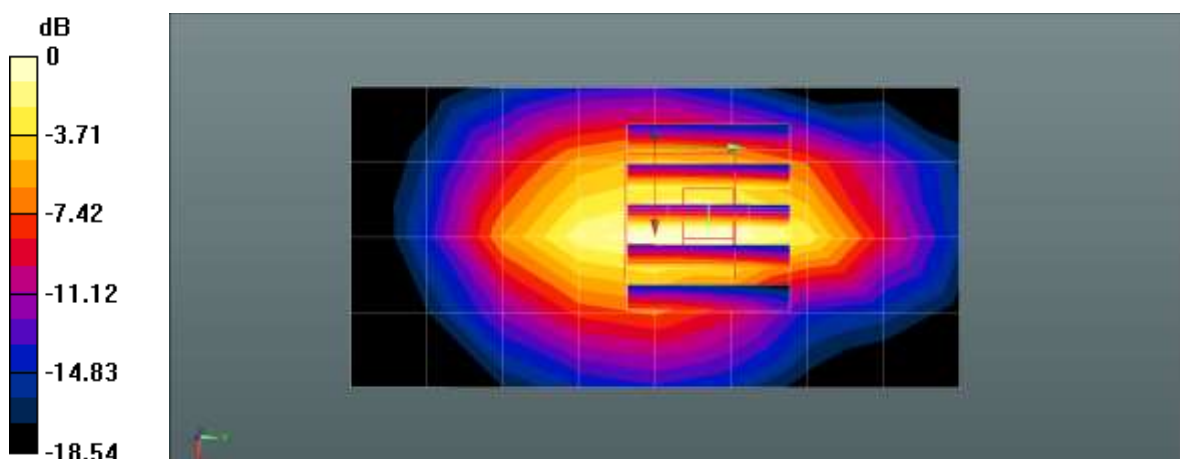
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.60 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.371 W/kg

Maximum value of SAR (measured) = 1.01 W/kg



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

EUT Type: Mobile Phone
Ambient Temperature: 21.4 °C
Liquid Temperature: 21.2 °C
Test Date: 03/09/2025
Band: NR FDD Band n71 Body SAR_Ant A Close
Plot No.: B27
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, 5.00	Band n71	5G NR FR1 FDD, 10939-AAC	680.500, 136100	8.89	0.886	42.4

Hardware Setup

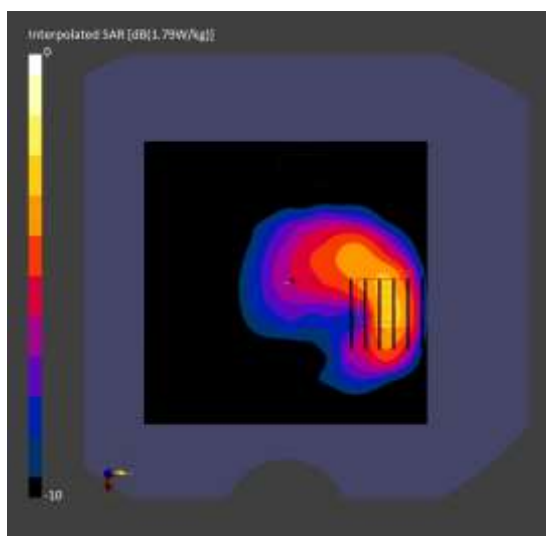
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-17

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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.780	0.824
psSAR10g [W/Kg]	0.492	0.447
Power Drift [dB]	-0.00	0.01



EUT Type: Mobile Phone
 Ambient Temperature: 22.4 °C
 Liquid Temperature: 22.3 °C
 Test Date: 04/21/2025
 Band: NR TDD Band n77 Body SAR_SRS4 Ant C Open
 Plot No.: B28
 Measurement Report for Device, EDGE LEFT, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 633334 (3500.010 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	EDGE LEFT, 5.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	7.02	2.91	38.4

Hardware Setup

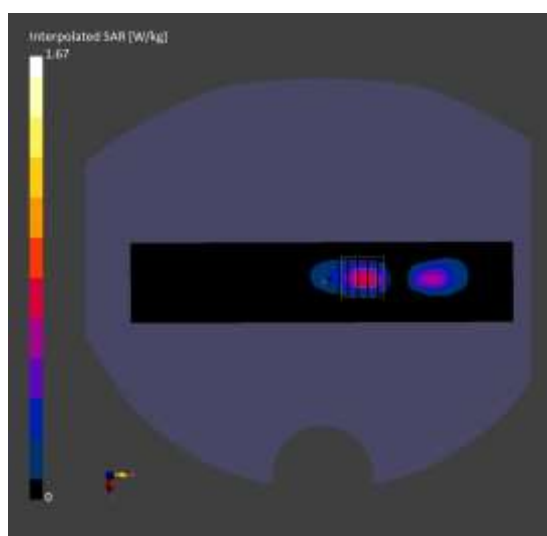
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	7.0 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]	0.539	0.625
psSAR10g [W/Kg]	0.173	0.191
Power Drift [dB]	-0.02	-0.04



EUT Type: Mobile Phone
 Ambient Temperature: 22.5 °C
 Liquid Temperature: 22.4 °C
 Test Date: 04/16/2025
 Band: 2.4 GHz WLAN Body SAR _ Ant G+H Open
 Plot No.: B29
 Measurement Report for Device, EDGE TOP, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps), Channel 11 (2462.000 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	EDGE TOP, 5.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.000, 11	7.5	1.85	39.8

Hardware Setup

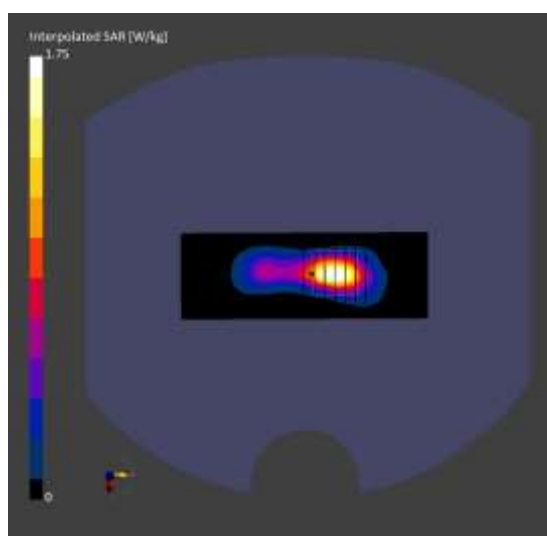
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 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]	0.732	0.770
psSAR10g [W/Kg]	0.292	0.311
Power Drift [dB]	0.05	-0.02



EUT Type: Mobile Phone
 Ambient Temperature: 22.5 °C
 Liquid Temperature: 22.6 °C
 Test Date: 04/11/2025
 Band: 5 GHz WLAN Body SAR _ Ant F+H Ant. Open
 Plot No.: B30
 Measurement Report for Device, EDGE LEFT, U-NII-2C, U-NII-3, IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle), Channel 138 (5690.000 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	EDGE LEFT, 5.00	U-NII-2C, U-NII-3	WLAN, 10626-AAD	5690.000, 138	5.33	5.34	34.5

Hardware Setup

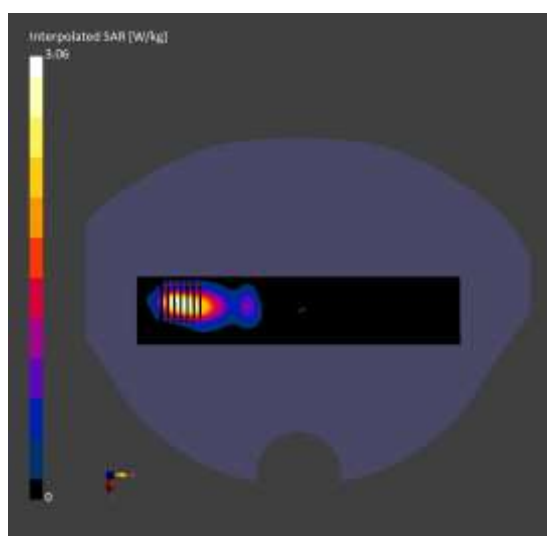
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.572	0.694
psSAR10g [W/Kg]	0.187	0.192
Power Drift [dB]	-0.16	-0.19



EUT Type: Mobile Phone
Ambient Temperature: 21.3 °C
Liquid Temperature: 21.1 °C
Test Date: 04/02/2025
Band: 6 GHz WLAN Body SAR _ Ant F Open
Plot No.: B31
Measurement Report for Device, EDGE LEFT, U-NII-5, IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle), Channel 3 (5965.000 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	EDGE LEFT, 0.00	U-NII-5	WLAN, 10707-AAC	5965.000, 3	5.75	5.49	34.6

Hardware Setup

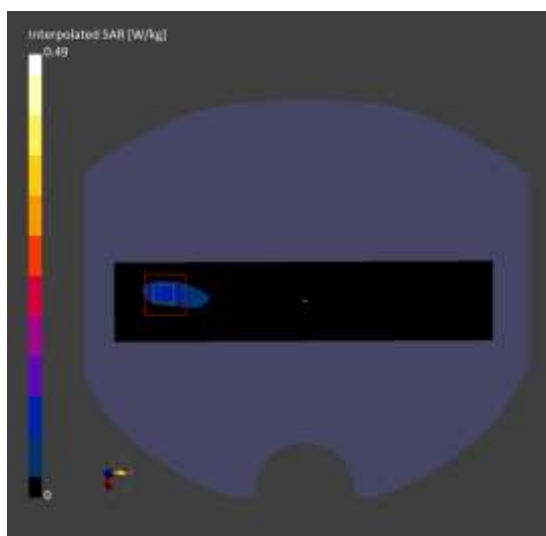
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.077	0.087
psSAR10g [W/Kg]	0.020	0.017
Power Drift [dB]	0.11	0.13



EUT Type: Mobile Phone
 Ambient Temperature: 22
 Liquid Temperature: 21.9
 Test Date: 04/18/2025
 Band: Bluetooth Body SAR _ Ant G+H Open
 Plot No.: B32

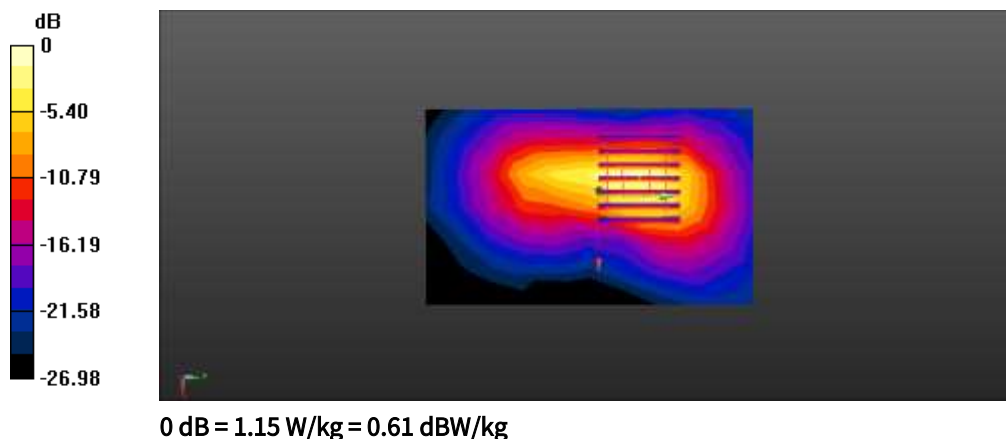
Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2441 MHz; Duty Cycle: 1:1.30557
 Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.865$ S/m; $\epsilon_r = 40.434$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.58, 7.23, 7.18) @ 2441 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bluetooth Body Top DH5 0ch/Area Scan (7x11x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.903 W/kg

Bluetooth Body Top DH5 0ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 11.15 V/m; Power Drift = 0.10 dB
 Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.270 W/kg
 Maximum value of SAR (measured) = 1.15 W/kg



EUT Type: Mobile Phone
 Ambient Temperature: 22.5
 Liquid Temperature: 22.4
 Test Date: 05/15/2025
 Band: NTN Band 255 Body SAR_Ant G Open
 Plot No.: B33
 Measurement Report for Device, EDGE TOP, Custom Band, CW, Channel 1643500 (1643.5 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, HSL	EDGE TOP, 5.00	Custom Band	CW, 0--	1643.5, 1643500	8.16	1.29	41.6

Hardware Setup

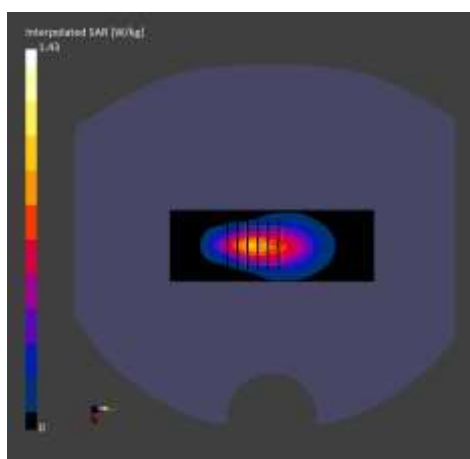
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7702, 2025-01-21	DAE4 Sn780, 2024-06-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 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]	0.752	0.759
psSAR10g [W/Kg]	0.388	0.389
Power Drift [dB]	0.02	0.03



EUT Type: Mobile Phone
 Ambient Temperature: 22.6
 Liquid Temperature: 22.4
 Test Date: 04/15/2025
 Band: NFC Phablet SAR_NFC Ant. Open
 Plot No.: C1

Communication System: UID 0, NFC (0); Frequency: 13.56 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 14 \text{ MHz}$; $\sigma = 0.75 \text{ S/m}$; $\epsilon_r = 54.434$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(5.8, 5.8, 5.8) @ 13.56 MHz; Calibrated: 2024-07-17
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2024-09-13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NFC Phablet Rear Type F 106kbps/Area Scan (11x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (measured) = 0.000354 W/kg

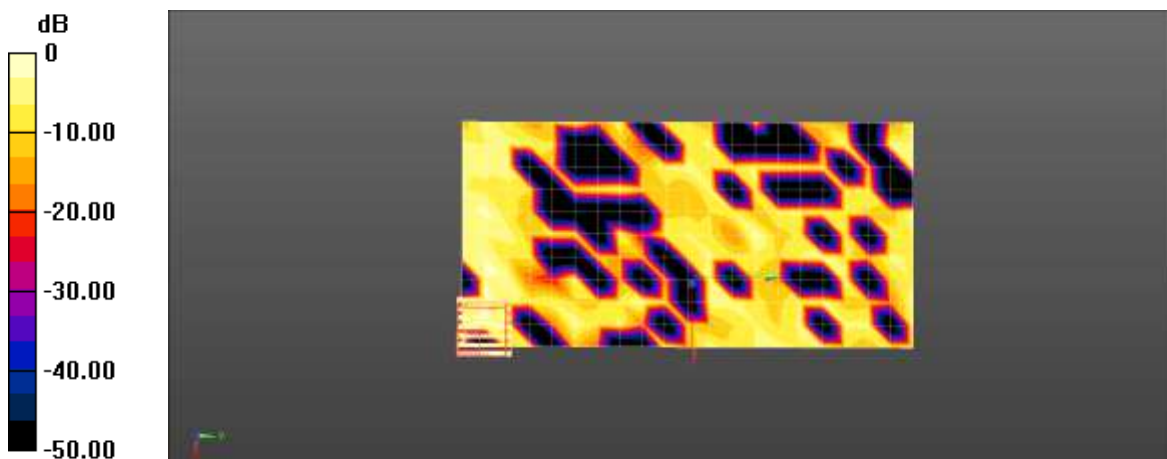
NFC Phablet Rear Type F 106kbps/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.000893 W/kg

SAR(1 g) = 6.59e-005 W/kg; SAR(10 g) = 2.1e-005 W/kg

Maximum value of SAR (measured) = 0.000526 W/kg



0 dB = 0.000526 W/kg = -32.79 dBW/kg

EUT Type: Mobile Phone
 Ambient Temperature: 21.7
 Liquid Temperature: 21.5
 Test Date: 04/03/2025
 Band: WLAN 6E Head Absorbed Power Density_Ant H
 Plot No.: D1

Measurement Report for Device, CHEEK, U-NII-8, IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle), Channel 227 (7085.000 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
LeftHead, Head Simulating Liquid	CHEEK, 0.00	U-NII-8	WLAN, 10707-AAC	7085.000, 227	5.75	6.94	33.0

Hardware Setup

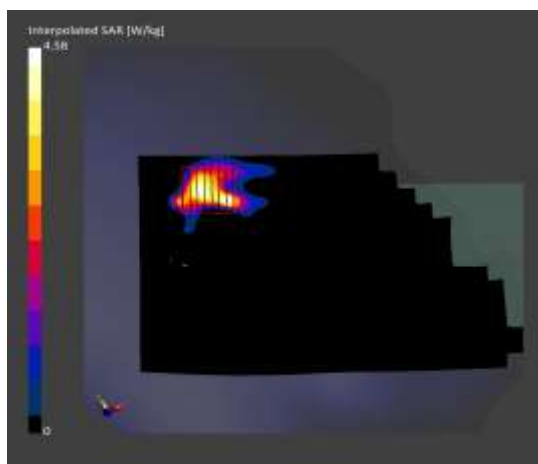
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 195.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.0 x 3.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/kg]	0.087	0.109
psSAR10g [W/kg]	0.027	0.037
psAPD (1.0cm2, sq) [W/m2]		1.09
psAPD (4.0cm2, sq) [W/m2]		0.687
Power Drift [dB]	0.01	-0.13



EUT Type: Mobile Phone

Ambient Temperature: 21.3
 Liquid Temperature: 21.1
 Test Date: 04/02/2025
 Band: WLAN 6E Body Absorbed Power Density_Ant F
 Plot No.: D2
 Measurement Report for Device, EDGE LEFT, U-NII-5, IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle),
 Channel 43 (6165.000 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	EDGE LEFT, 0.00	U-NII-5	WLAN, 10707-AAC	6165.000, 43	5.75	5.73	34.5

Hardware Setup

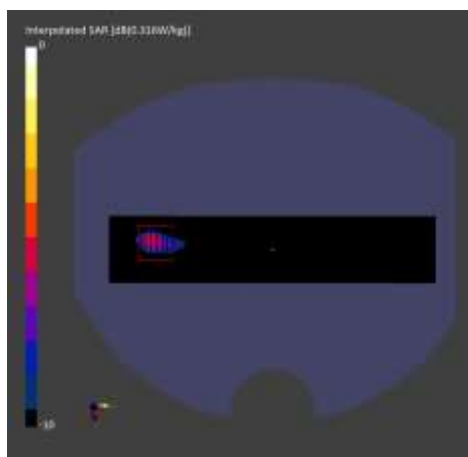
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.0 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-15, 02:18	2025-03-15, 02:27
psSAR1g [W/kg]	0.060	0.062
psSAR10g [W/kg]	0.017	0.016
psAPD (1.0cm2, sq) [W/m2]		0.620
psAPD (4.0cm2, sq) [W/m2]		0.368
Power Drift [dB]	0.00	0.00



EUT Type: Mobile Phone

Ambient Temperature: 22.3
Test Date: 03/16/2025
Band: WLAN 6E Body Power Density_Ant F
Plot No.: D3

Measurement Report for Device, EDGE LEFT, U-NII-5, IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle),
Channel 43 (6165.0 MHz)

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE LEFT, 2.00	U-NII-5	WLAN, 10707-AAC	6165.0, 43	1.0

Hardware Setup

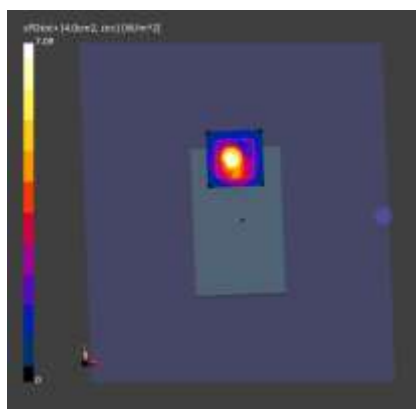
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9528_F1-55GHz, 2024-05-17	DAE4 Sn868, 2024-09-19

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.04197655150333562 x 0.04197655150333562
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	4.05
psPDtot+ [W/m ²]	7.09
psPDmod+ [W/m ²]	8.96
E _{max} [V/m]	109
Power Drift [dB]	0.17



Appendix C. – Dipole Verification Plots

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 04/15/2025
 Band: NFC
 Plot No.: V1

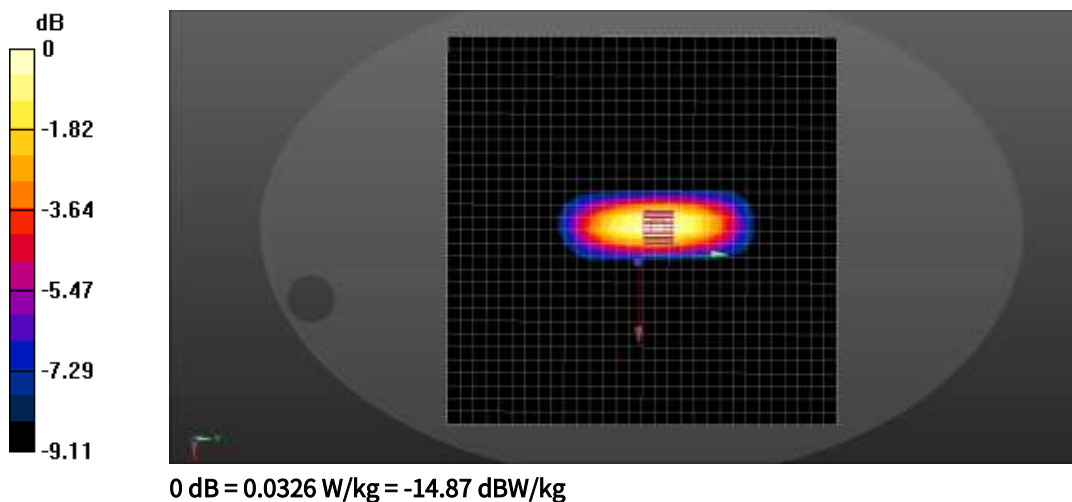
Communication System: UID 0, NFC (0); Frequency: 13 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 13 \text{ MHz}$; $\sigma = 0.731 \text{ S/m}$; $\epsilon_r = 54.396$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(5.8, 5.8, 5.8) @ 13 MHz; Calibrated: 2024-07-17
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2024-09-13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

13MHz Head Verification/Area Scan (31x31x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (measured) = 0.0305 W/kg

13MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$
 Reference Value = 6.492 V/m; Power Drift = 0.17 dB
 Peak SAR (extrapolated) = 0.0570 W/kg
SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.017 W/kg
 Maximum value of SAR (measured) = 0.0326 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.7
 Test Date: 02/24/2025
 Band: LTE FDD Band 12 MAIN1 ANT
 Plot No.: V2
 Measurement Report for Device, , , CW, Channel 0 (750.000 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--	750.000, 0	9.71	0.898	44.0

Hardware Setup

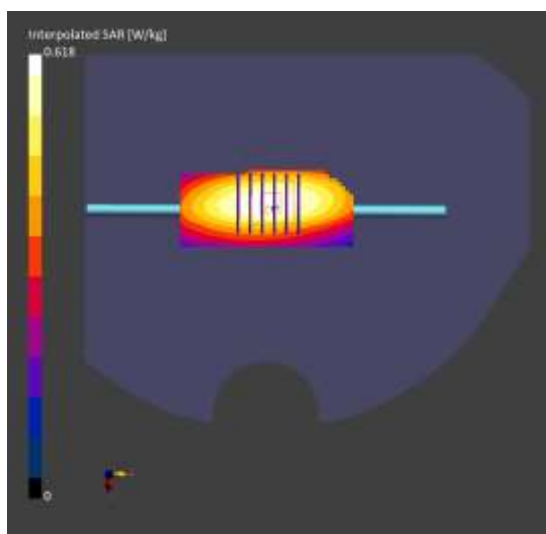
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	0.415	0.414
psSAR10g [W/Kg]	0.278	0.275
Power Drift [dB]	-0.00	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/09/2025
 Band: LTE FDD Band 12 SUB1 ANT
 Plot No.: V3

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 750 \text{ MHz}$; $\sigma = 0.881 \text{ S/m}$; $\epsilon_r = 42.523$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(10.22, 9.73, 10.28) @ 750 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.489 W/kg

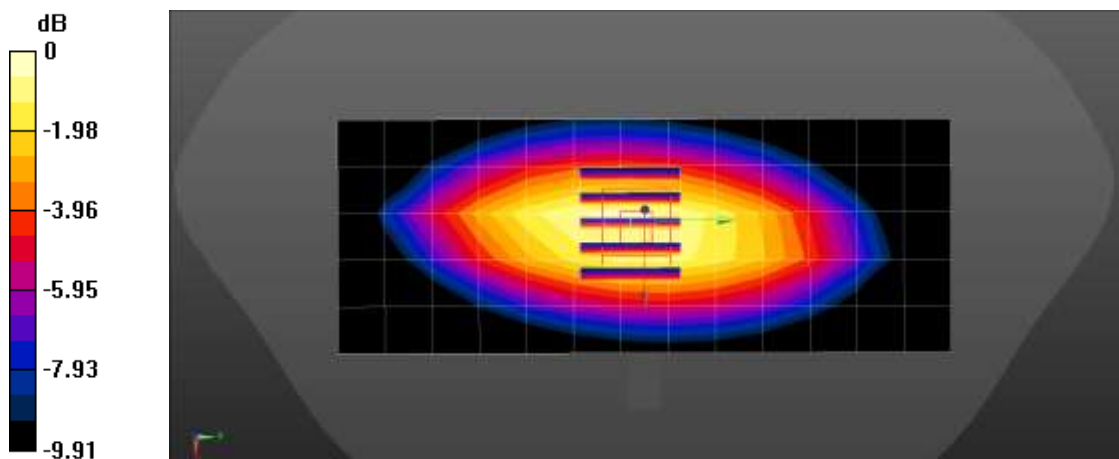
750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.17 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.590 W/kg

SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 0.540 W/kg



0 dB = 0.540 W/kg = -2.68 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.7
 Test Date: 02/25/2025
 Band: LTE FDD Band 13 MAIN1 ANT
 Plot No.: V4
 Measurement Report for Device, , , CW, Channel 0 (750.000 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--	750.000, 0	9.71	0.884	43.5

Hardware Setup

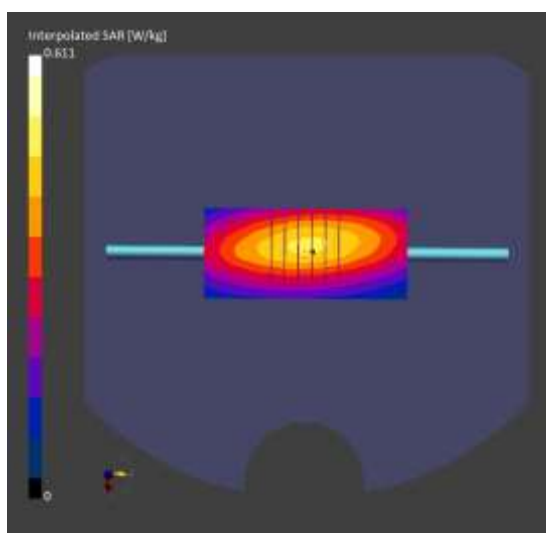
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	0.413	0.410
psSAR10g [W/Kg]	0.276	0.272
Power Drift [dB]	-0.00	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/10/2025
 Band: LTE FDD Band 13 SUB1 ANT
 Plot No.: V5

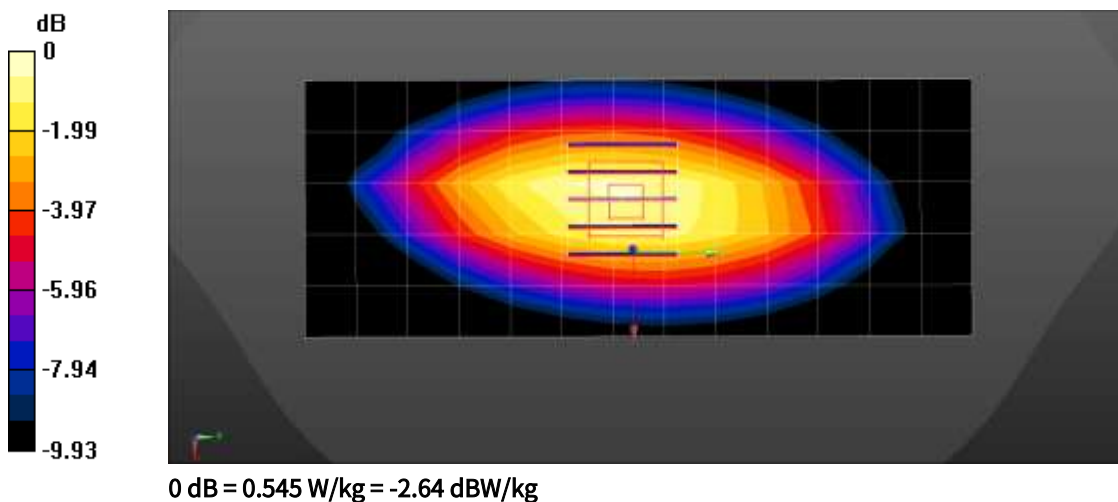
Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 750 \text{ MHz}$; $\sigma = 0.881 \text{ S/m}$; $\epsilon_r = 42.52$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(10.22, 9.73, 10.28) @ 750 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.496 W/kg

750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 26.44 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 0.595 W/kg
SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.283 W/kg
 Maximum value of SAR (measured) = 0.545 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.0
 Test Date: 04/11/2025
 Band: LTE FDD Band 14 SUB1 ANT
 Plot No.: V6

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 750 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 42.965$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(10.22, 9.73, 10.28) @ 750 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.499 W/kg

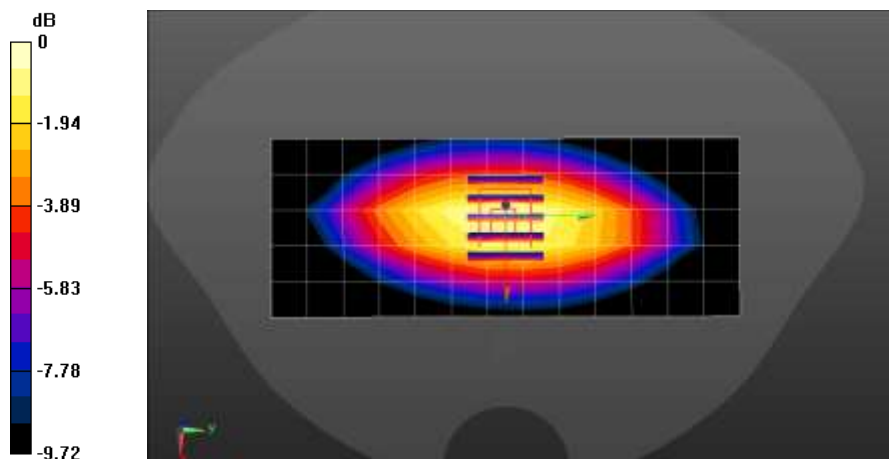
750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.85 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.629 W/kg

SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.297 W/kg

Maximum value of SAR (measured) = 0.575 W/kg



0 dB = 0.575 W/kg = -2.40 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 02/28/2025
 Band: LTE FDD Band 71 MAIN1 ANT
 Plot No.: V7
 Measurement Report for Device, , , CW, Channel 0 (750.000 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--	750.000, 0	9.71	0.904	42.2

Hardware Setup

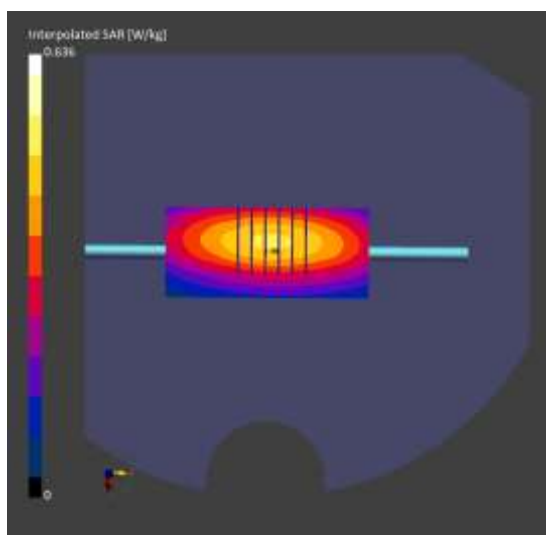
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	0.429	0.425
psSAR10g [W/Kg]	0.287	0.283
Power Drift [dB]	-0.00	0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.9
 Test Date: 04/14/2025
 Band: LTE FDD Band 71 SUB1 ANT
 Plot No.: V8

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 750 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 41.406$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(10.22, 9.73, 10.28) @ 750 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.511 W/kg

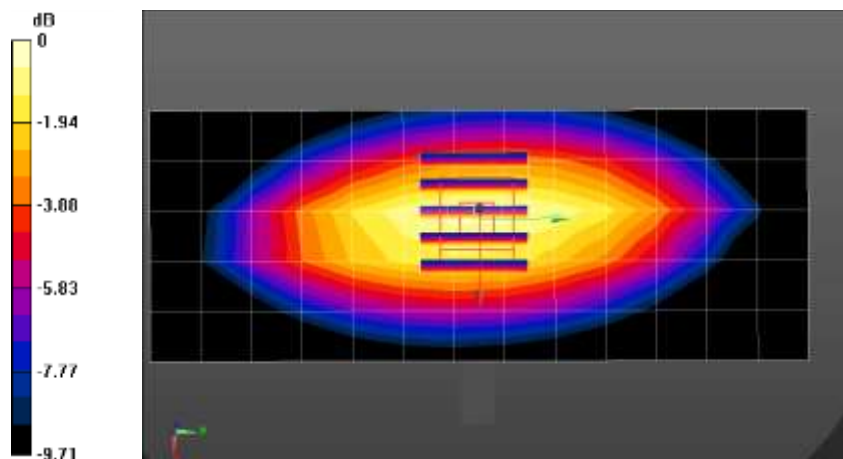
750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.70 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.589 W/kg

SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 0.549 W/kg



0 dB = 0.549 W/kg = -2.60 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.8
 Test Date: 02/26/2025
 Band: LTE FDD Band 14 MAIN1 ANT
 Plot No.: V9
 Measurement Report for Device, , , CW, Channel 0 (835.000 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--	835.000, 0	9.44	0.926	42.5

Hardware Setup

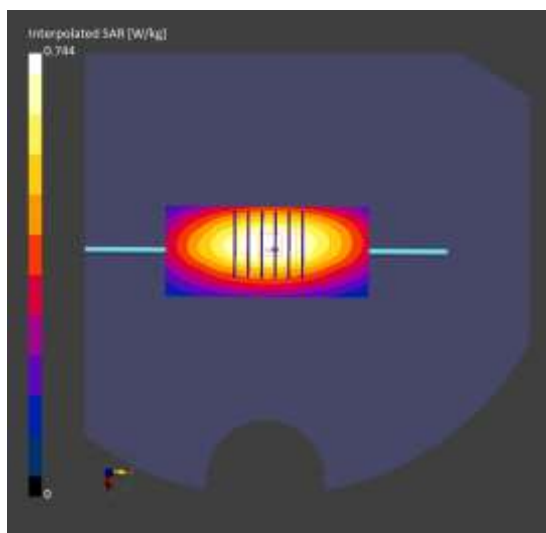
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	0.490	0.486
psSAR10g [W/Kg]	0.323	0.317
Power Drift [dB]	-0.00	0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.8
 Test Date: 03/05/2025
 Band: GSM850 MAIN1 ANT
 Plot No.: V10
 Measurement Report for Device, , , CW, Channel 0 (835.000 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--	835.000, 0	9.01	0.918	41.9

Hardware Setup

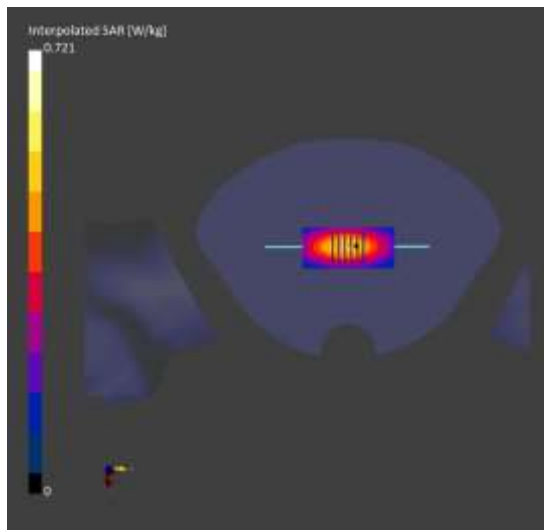
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-17

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]	0.473	0.472
psSAR10g [W/Kg]	0.310	0.308
Power Drift [dB]	0.00	0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.6
 Test Date: 04/16/2025
 Band: GSM850 SUB1 ANT
 Plot No.: V11

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 830 \text{ MHz}$; $\sigma = 0.923 \text{ S/m}$; $\epsilon_r = 42.441$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(9.82, 9.35, 9.87) @ 835 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

835MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.608 W/kg

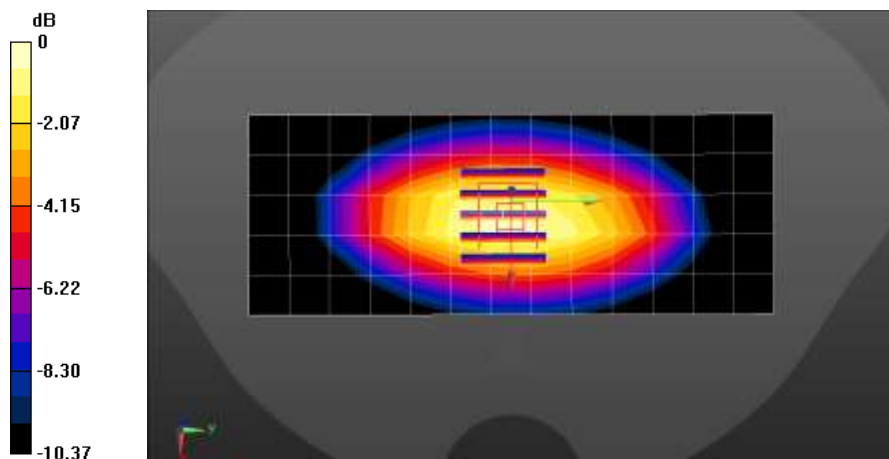
835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.76 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.718 W/kg

SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 0.668 W/kg



0 dB = 0.668 W/kg = -1.75 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.1
 Test Date: 03/06/2025
 Band: UMTS Band 5 MAIN1 ANT
 Plot No.: V12
 Measurement Report for Device, , , CW, Channel 0 (835.000 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--	835.000, 0	9.01	0.904	41.9

Hardware Setup

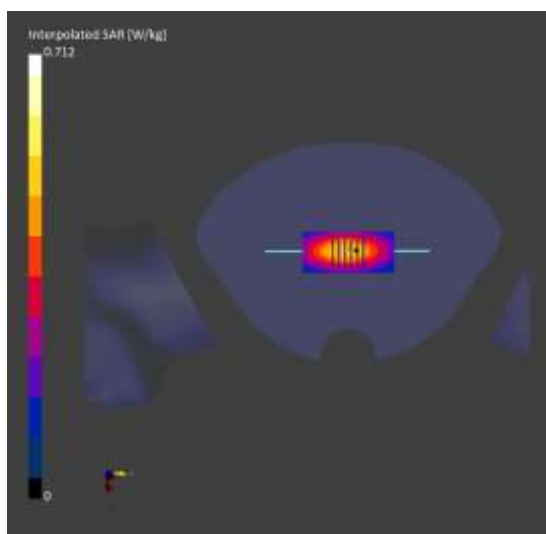
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-17

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]	0.464	0.465
psSAR10g [W/Kg]	0.305	0.304
Power Drift [dB]	0.01	0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 04/23/2025
 Band: UMTS Band 5 SUB1 ANT
 Plot No.: V13
 Measurement Report for Device, , , CW, Channel 0 (835.000 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--	835.000, 0	9.55	0.939	41.8

Hardware Setup

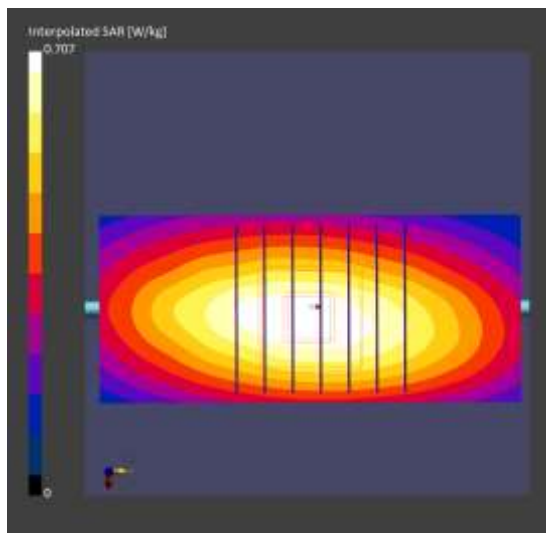
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7732, 2024-06-19	DAE4 Sn1254, 2024-05-16

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	32.0 x 32.0 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]	0.505	0.481
psSAR10g [W/Kg]	0.334	0.321
Power Drift [dB]	0.08	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.5
 Test Date: 02/27/2025
 Band: LTE FDD Band 26 MAIN1 ANT
 Plot No.: V14
 Measurement Report for Device, , , CW, Channel 0 (835.000 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--	835.000, 0	9.44	0.930	42.9

Hardware Setup

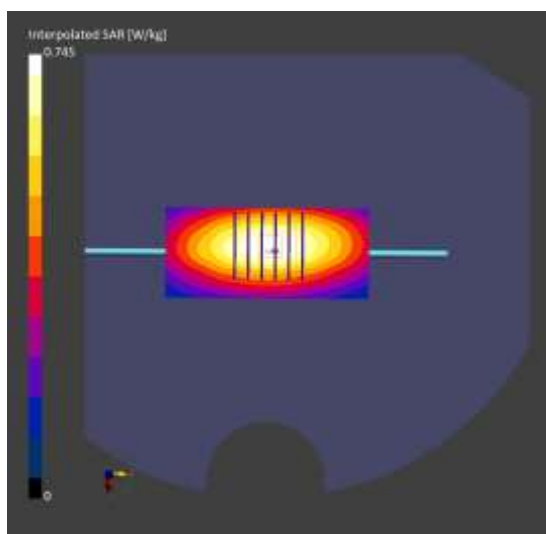
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	0.494	0.489
psSAR10g [W/Kg]	0.326	0.319
Power Drift [dB]	0.00	-0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2
 Test Date: 04/12/2025
 Band: LTE FDD Band 26 SUB1 ANT
 Plot No.: V15

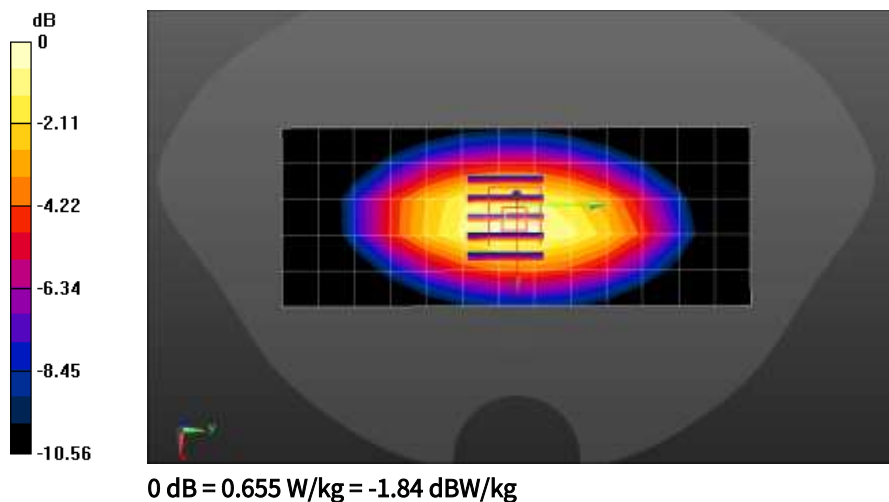
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 830 \text{ MHz}$; $\sigma = 0.9 \text{ S/m}$; $\epsilon_r = 41.911$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(9.82, 9.35, 9.87) @ 835 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

835MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.603 W/kg

835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 29.46 V/m ; Power Drift = -0.08 dB
 Peak SAR (extrapolated) = 0.709 W/kg
SAR(1 g) = 0.517 W/kg ; SAR(10 g) = 0.345 W/kg
 Maximum value of SAR (measured) = 0.655 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 05/15/2025
 Band: NTN
 Plot No.: V16
 Measurement Report for Device, , , CW, Channel 0 (1640.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,	CW, 0--	1640.0, 0	8.16	1.29	41.8

Hardware Setup

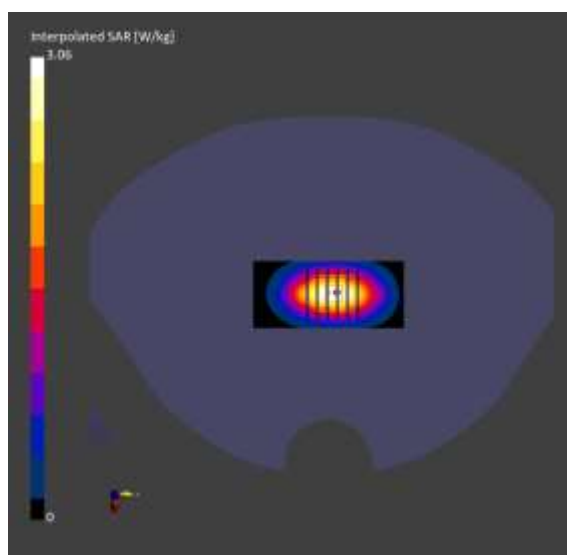
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7702, 2025-01-21	DAE4 Sn780, 2024-06-19

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]	1.78	1.80
psSAR10g [W/Kg]	0.972	0.989
Power Drift [dB]	0.00	0.03



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2
 Test Date: 03/02/2025
 Band: UMTS Band 4 MAIN2 ANT
 Plot No.: V17
 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	8.47	1.41	40.4

Hardware Setup

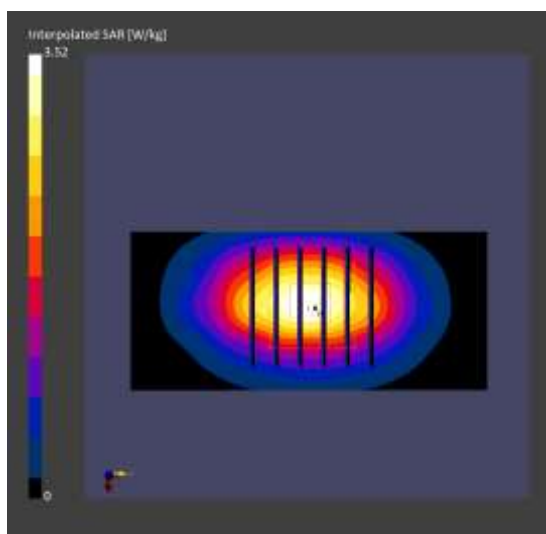
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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	1.95
psSAR10g [W/Kg]	1.06	1.03
Power Drift [dB]	0.01	0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.5
 Test Date: 04/23/2025
 Band: UMTS Band 4 SUB5 ANT
 Plot No.: V18

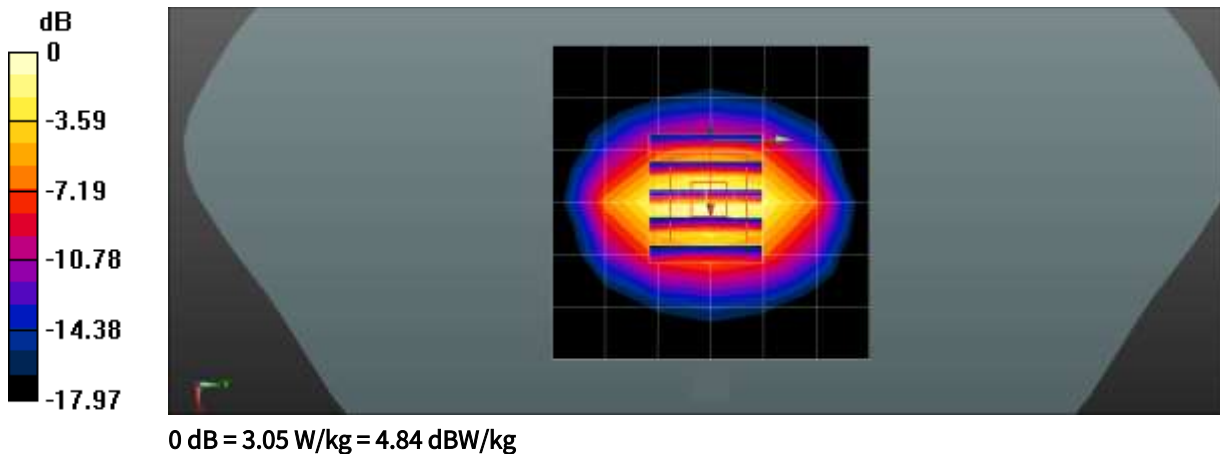
Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1800 \text{ MHz}$; $\sigma = 1.41 \text{ S/m}$; $\epsilon_r = 40.766$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(8.3, 8.66, 7.87) @ 1800 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn780; Calibrated: 2024-06-19
- Phantom: SAM with CRP v5.0_Left; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1800MHz Head Verification/Area Scan (7x7x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 3.02 W/kg

1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 49.28 V/m; Power Drift = -0.11 dB
 Peak SAR (extrapolated) = 3.55 W/kg
SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.04 W/kg
 Maximum value of SAR (measured) = 3.05 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.3
 Test Date: 02/25/2025
 Band: LTE FDD Band 66 MAIN2 ANT
 Plot No.: V19

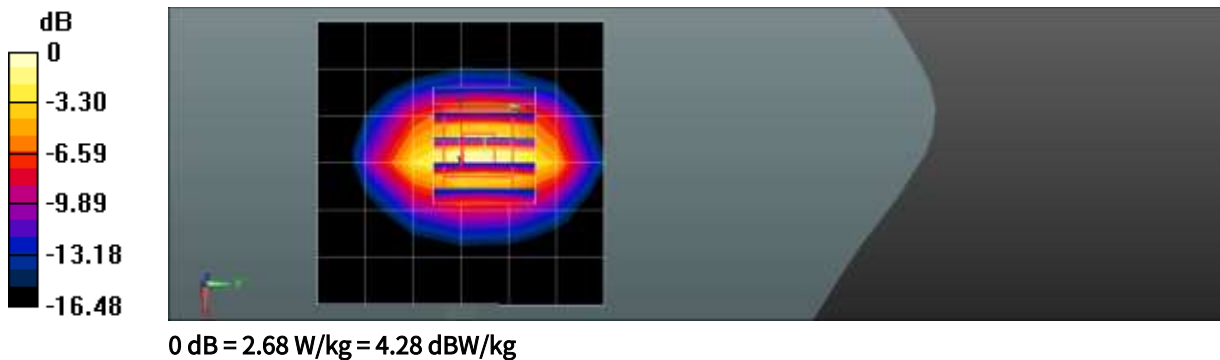
Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1800 \text{ MHz}$; $\sigma = 1.346 \text{ S/m}$; $\epsilon_r = 41.593$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(8.3, 8.66, 7.87) @ 1800 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn780; Calibrated: 2024-06-19
- Phantom: SAM with CRP v5.0_Left; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1800MHz Head Verification/Area Scan (7x7x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.37 W/kg

1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 45.03 V/m; Power Drift = 0.10 dB
 Peak SAR (extrapolated) = 3.08 W/kg
SAR(1 g) = 1.81 W/kg; SAR(10 g) = 0.977 W/kg
 Maximum value of SAR (measured) = 2.68 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 04/09/2025
 Band: LTE FDD Band 66 SUB5 ANT
 Plot No.: V20

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1800 \text{ MHz}$; $\sigma = 1.366 \text{ S/m}$; $\epsilon_r = 40.562$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(8.48, 8.09, 8.04) @ 1800 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1800MHz Head Verification/Area Scan (6x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.52 W/kg

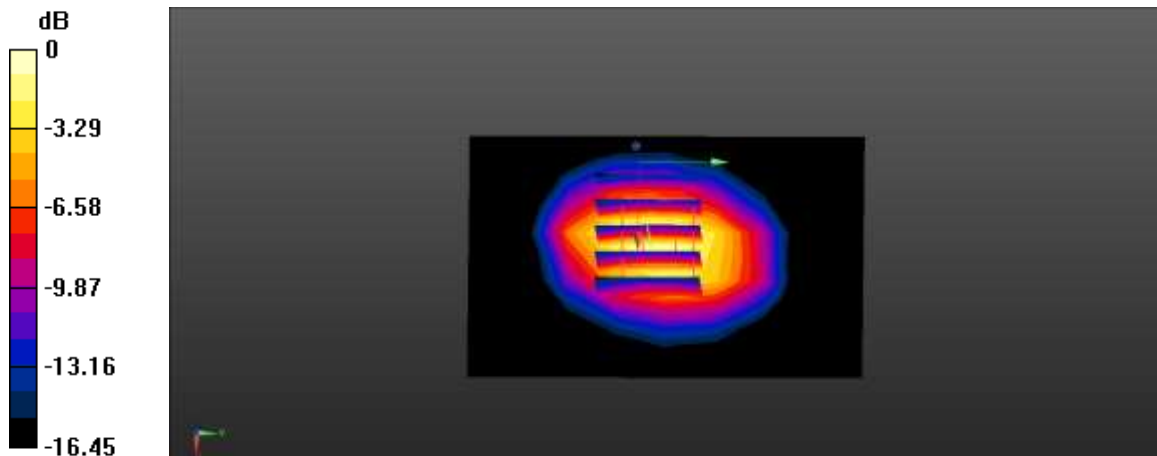
1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 47.99 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.38 W/kg

SAR(1 g) = 2.03 W/kg; SAR(10 g) = 1.11 W/kg

Maximum value of SAR (measured) = 2.95 W/kg



0 dB = 2.95 W/kg = 4.70 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 03/03/2025
 Band: GSM1900 MAIN2 ANT
 Plot No.: V21
 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	8.13	1.40	40.4

Hardware Setup

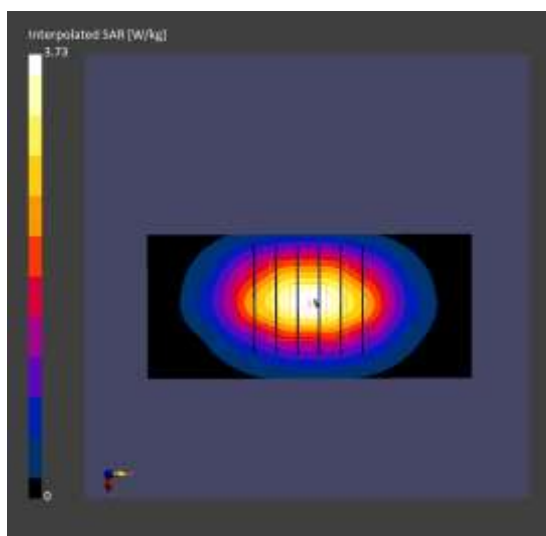
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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	1.03
Power Drift [dB]	0.00	0.04



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 03/01/2025
 Band: UMTS Band 2 MAIN2 ANT
 Plot No.: V22
 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	8.13	1.43	40.2

Hardware Setup

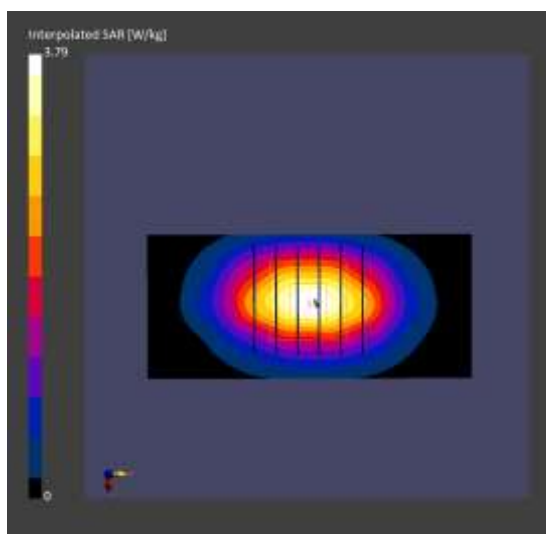
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	2.02	2.01
psSAR10g [W/Kg]	1.05	1.05
Power Drift [dB]	0.00	0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.8
 Test Date: 04/23/2025
 Band: UMTS Band 2 SUB5 ANT
 Plot No.: V23
 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	7.1	1.41	40.6

Hardware Setup

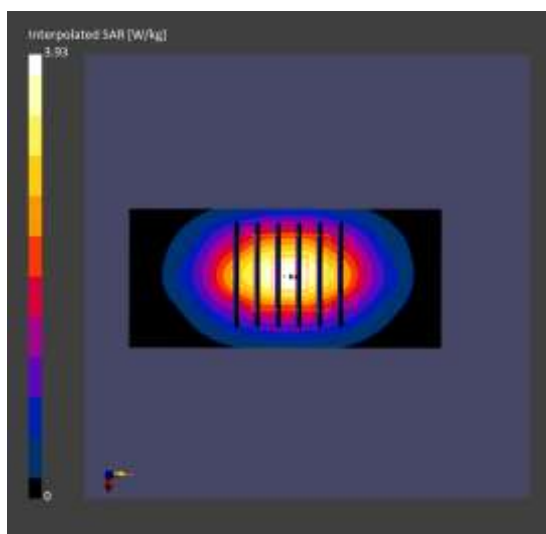
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7370, 2024-08-22	DAE4 Sn1686, 2024-06-19

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]	2.06	2.04
psSAR10g [W/Kg]	1.08	1.04
Power Drift [dB]	0.02	-0.06



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.4
 Test Date: 02/24/2025
 Band: LTE FDD Band 25 MAIN2 ANT
 Plot No.: V24

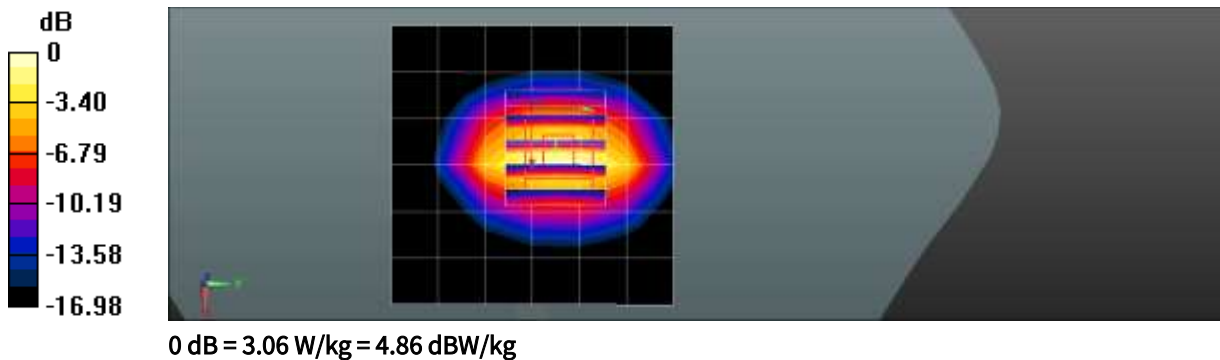
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1900 \text{ MHz}$; $\sigma = 1.42 \text{ S/m}$; $\epsilon_r = 41.049$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(8.01, 8.36, 7.6) @ 1900 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn780; Calibrated: 2024-06-19
- Phantom: SAM with CRP v5.0_Left; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1900MHz Head Verification/Area Scan (7x7x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.68 W/kg

1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 45.20 V/m; Power Drift = 0.16 dB
 Peak SAR (extrapolated) = 3.49 W/kg
SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.08 W/kg
 Maximum value of SAR (measured) = 3.06 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.5
 Test Date: 04/16/2025
 Band: LTE FDD Band 25 SUB5 ANT
 Plot No.: V25

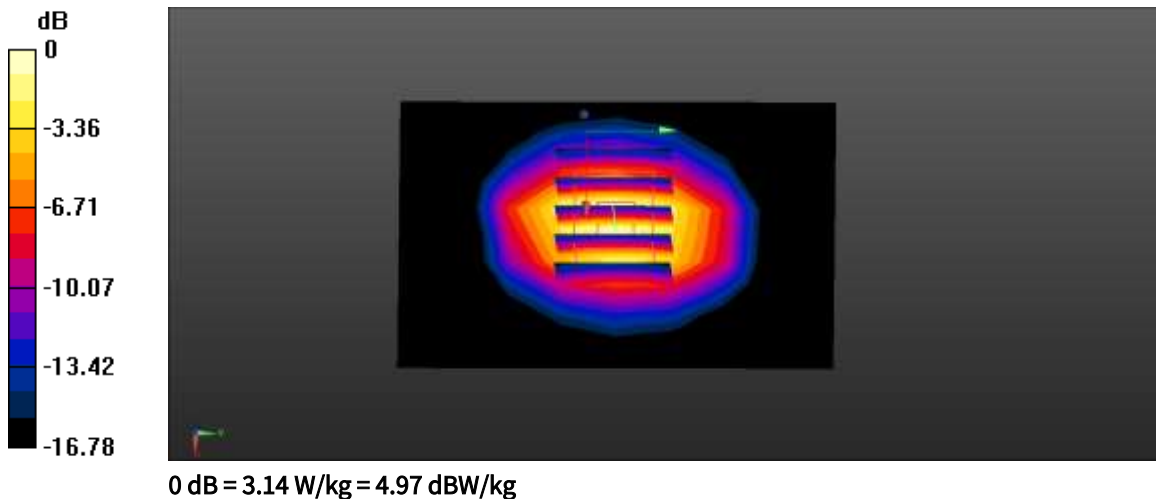
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1900 \text{ MHz}$; $\sigma = 1.381 \text{ S/m}$; $\epsilon_r = 39.919$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(8.2, 7.82, 7.77) @ 1900 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.56 W/kg

1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 49.62 V/m; Power Drift = 0.03 dB
 Peak SAR (extrapolated) = 3.57 W/kg
SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.13 W/kg
 Maximum value of SAR (measured) = 3.14 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.5
 Test Date: 02/26/2025
 Band: LTE FDD Band 30 MAIN2 ANT
 Plot No.: V26
 Measurement Report for Device, , , CW, Channel 0 (2300.000 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--	2300.000, 0	7.07	1.67	39.4

Hardware Setup

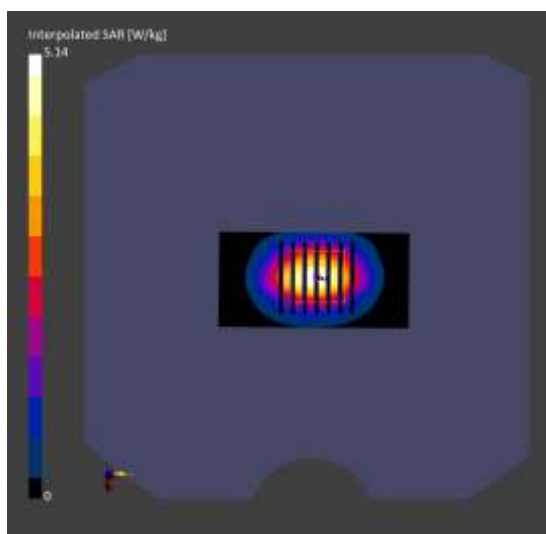
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4ip Sn1867, 2024-05-02

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]	2.50	2.51
psSAR10g [W/Kg]	1.20	1.20
Power Drift [dB]	0.02	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.1
 Test Date: 04/12/2025
 Band: LTE FDD Band 30 SUB5 ANT
 Plot No.: V27

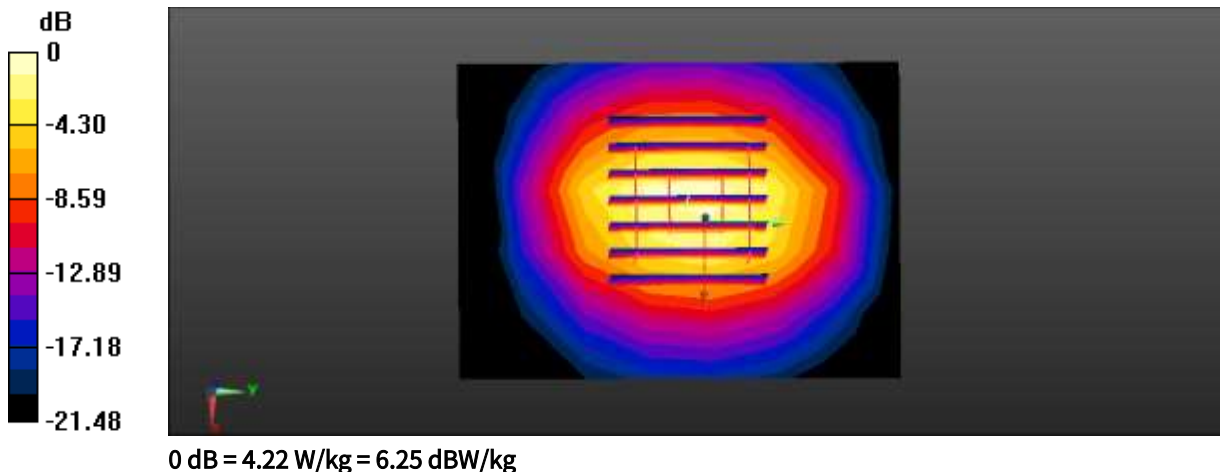
Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2300 \text{ MHz}$; $\sigma = 1.718 \text{ S/m}$; $\epsilon_r = 39.308$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217
- Measurement SW: DASY52, Version 52.10 (4);

2300MHz Head Verification/Area Scan (6x8x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
 Maximum value of SAR (measured) = 3.76 W/kg

2300MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 50.48 V/m; Power Drift = 0.14 dB
 Peak SAR (extrapolated) = 5.11 W/kg
SAR(1 g) = 2.59 W/kg; SAR(10 g) = 1.24 W/kg
 Maximum value of SAR (measured) = 4.22 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/17/2025
 Band: 2.4 WLAN GHz SISO
 Plot No.: V28
 Measurement Report for Device, , , CW, Channel 0 (2450.000 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--	2450.000, 0	7.5	1.79	38.6

Hardware Setup

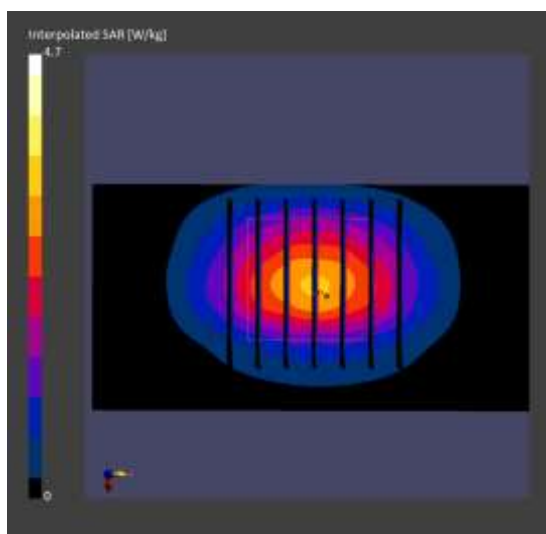
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	2.49	2.48
psSAR10g [W/Kg]	1.17	1.19
Power Drift [dB]	-0.02	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 04/16/2025
 Band: 2.4 WLAN MIMO
 Plot No.: V29
 Measurement Report for Device, , , CW, Channel 0 (2450.000 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--	2450.000, 0	7.5	1.84	39.7

Hardware Setup

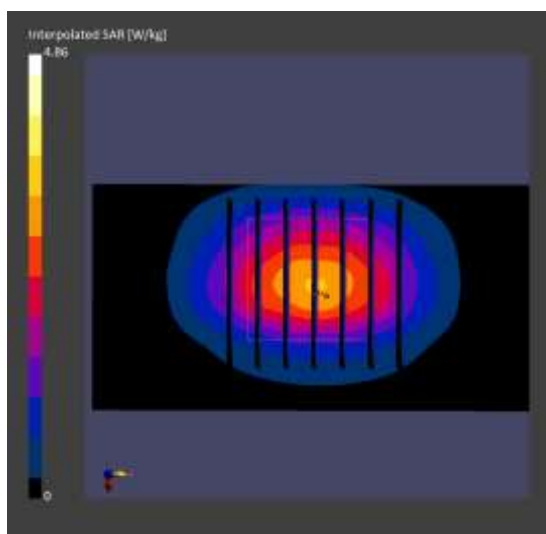
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	2.54	2.55
psSAR10g [W/Kg]	1.20	1.22
Power Drift [dB]	0.02	-0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.1
 Test Date: 04/18/2025
 Band: Bluetooth SISO
 Plot No.: V30
 Measurement Report for Device, , , CW, Channel 0 (2450.000 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--	2450.000, 0	7.5	1.79	38.8

Hardware Setup

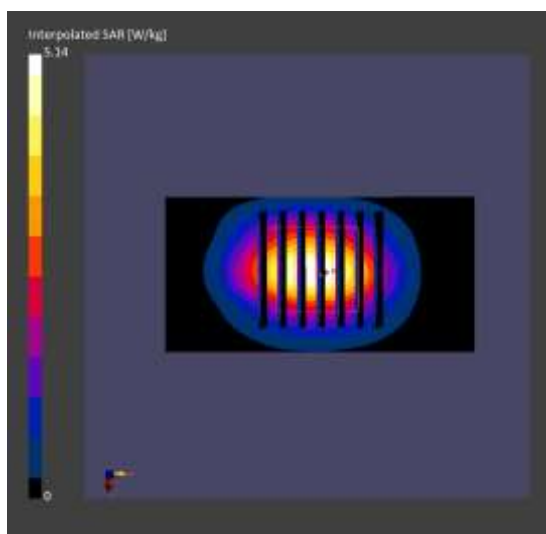
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	2.63	2.61
psSAR10g [W/Kg]	1.22	1.24
Power Drift [dB]	0.00	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.9
 Test Date: 04/18/2025
 Band: Bluetooth Dual
 Plot No.: V31

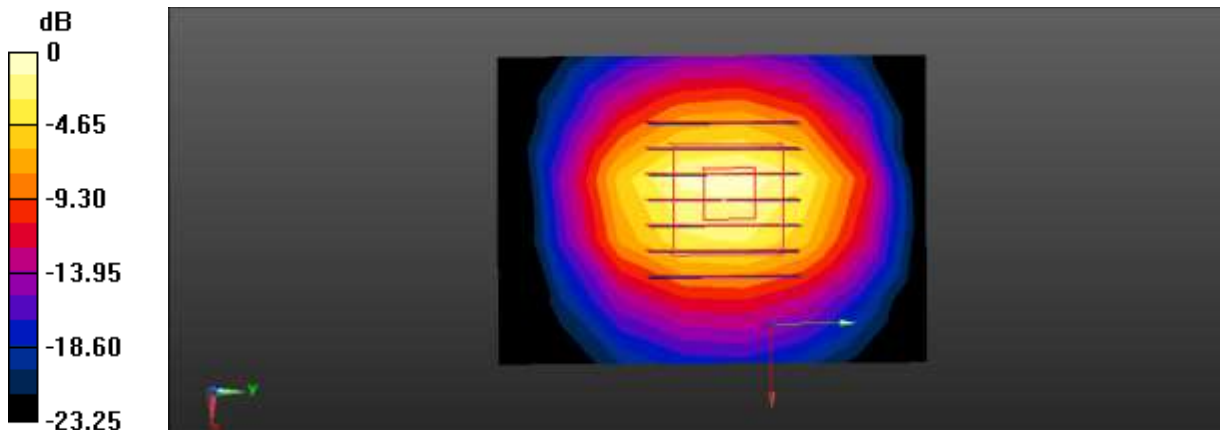
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2450 \text{ MHz}$; $\sigma = 1.873 \text{ S/m}$; $\epsilon_r = 40.416$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217
- Measurement SW: DASY52, Version 52.10 (4);

2450MHz Head Verification/Area Scan (6x8x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
 Maximum value of SAR (measured) = 4.11 W/kg

2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 50.44 V/m ; Power Drift = 0.12 dB
 Peak SAR (extrapolated) = 5.62 W/kg
SAR(1 g) = 2.75 W/kg ; SAR(10 g) = 1.27 W/kg
 Maximum value of SAR (measured) = 4.58 W/kg



0 dB = 4.58 W/kg = 6.61 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.5
 Test Date: 02/24/2025
 Band: LTE FDD Band 7 MAIN2 ANT
 Plot No.: V32
 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	1.92	40.4

Hardware Setup

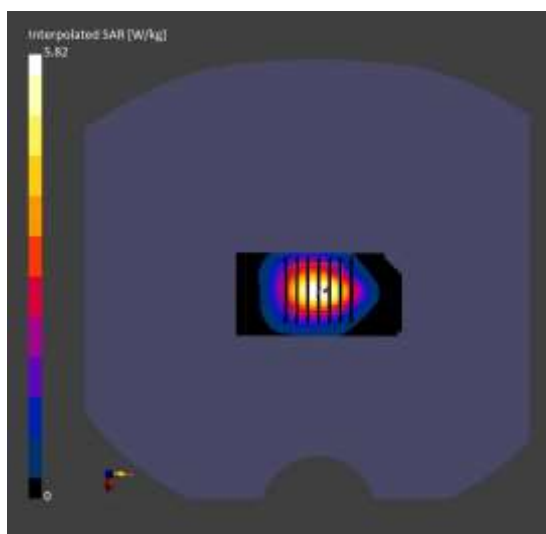
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4ip Sn1867, 2024-05-02

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]	2.65	2.63
psSAR10g [W/Kg]	1.18	1.16
Power Drift [dB]	-0.01	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.9
 Test Date: 04/11/2025
 Band: LTE FDD Band 7 SUB5 ANT
 Plot No.: V33

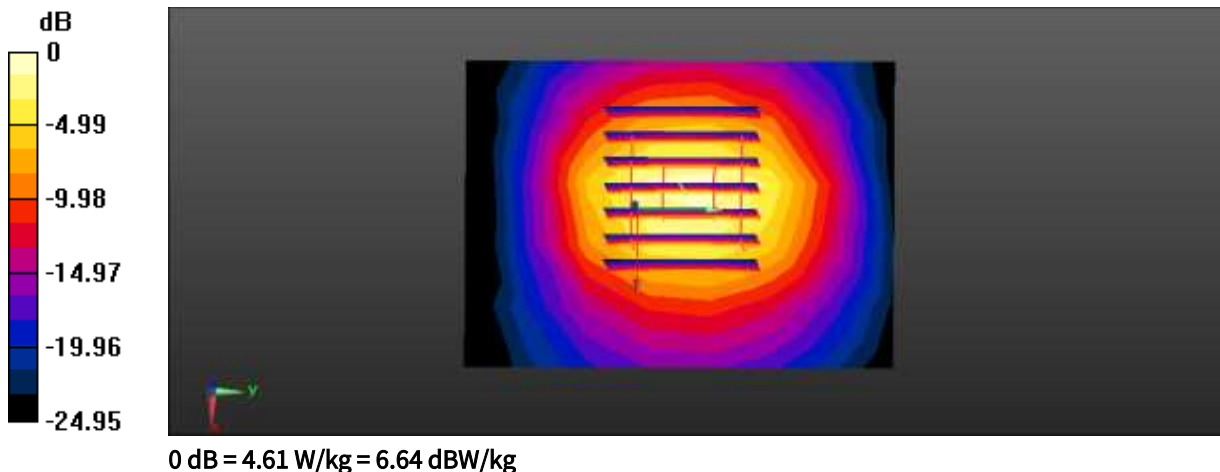
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.961$ S/m; $\epsilon_r = 38.123$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217
- Measurement SW: DASY52, Version 52.10 (4);

2600MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 4.06 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 48.32 V/m; Power Drift = 0.16 dB
 Peak SAR (extrapolated) = 5.78 W/kg
SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.16 W/kg
 Maximum value of SAR (measured) = 4.61 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.4
 Test Date: 02/27/2025
 Band: LTE TDD Band 41 MAIN2 ANT
 Plot No.: V34
 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	1.97	40.0

Hardware Setup

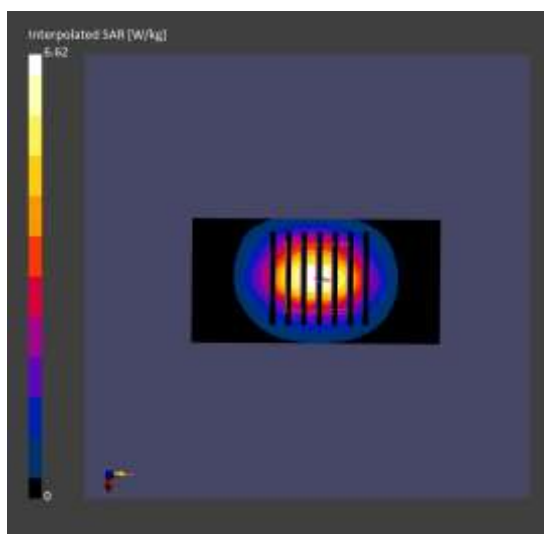
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4ip Sn1867, 2024-05-02

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]	2.82	2.86
psSAR10g [W/Kg]	1.28	1.27
Power Drift [dB]	0.00	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.2
 Test Date: 02/28/2025
 Band: LTE TDD Band 41 MAIN2 ANT Closed
 Plot No.: V35
 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	1.99	39.8

Hardware Setup

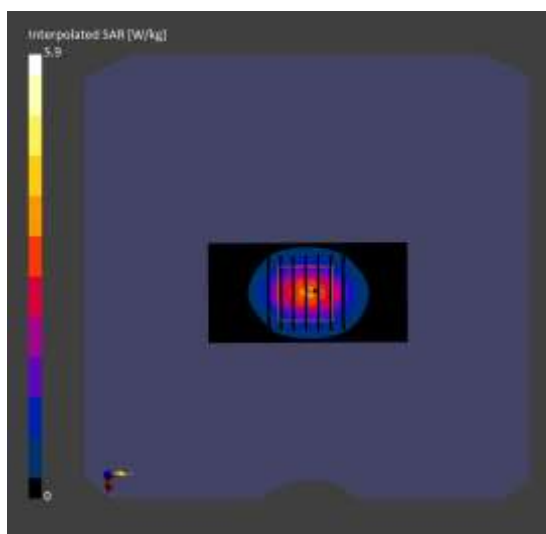
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4ip Sn1867, 2024-05-02

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]	2.69	2.70
psSAR10g [W/Kg]	1.20	1.21
Power Drift [dB]	-0.00	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.9
 Test Date: 04/14/2025
 Band: LTE TDD Band 41 SUB5 ANT Head
 Plot No.: V36

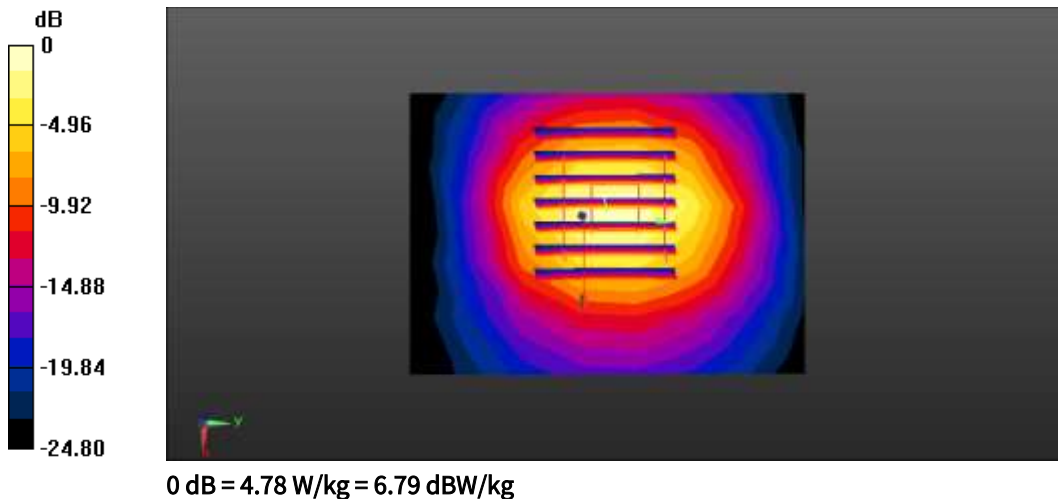
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 2.007$ S/m; $\epsilon_r = 39.163$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2600 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2600MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 4.48 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 46.51 V/m; Power Drift = 0.17 dB
 Peak SAR (extrapolated) = 5.94 W/kg
SAR(1 g) = 2.8 W/kg; SAR(10 g) = 1.25 W/kg
 Maximum value of SAR (measured) = 4.78 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.7
 Test Date: 04/15/2025
 Band: LTE TDD Band 41 SUB5 ANT Body
 Plot No.: V37

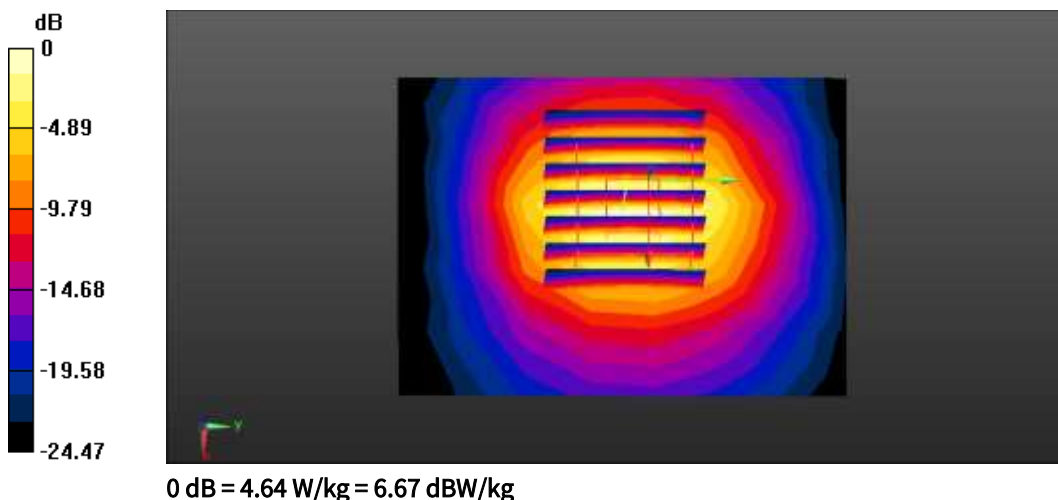
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.961$ S/m; $\epsilon_r = 38.345$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2600 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2600MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 4.37 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 46.84 V/m; Power Drift = 0.15 dB
 Peak SAR (extrapolated) = 5.78 W/kg
SAR(1 g) = 2.73 W/kg; SAR(10 g) = 1.22 W/kg
 Maximum value of SAR (measured) = 4.64 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.8
 Test Date: 04/18/2025
 Band: LTE TDD Band 48 SUB2 ANT
 Plot No.: V38

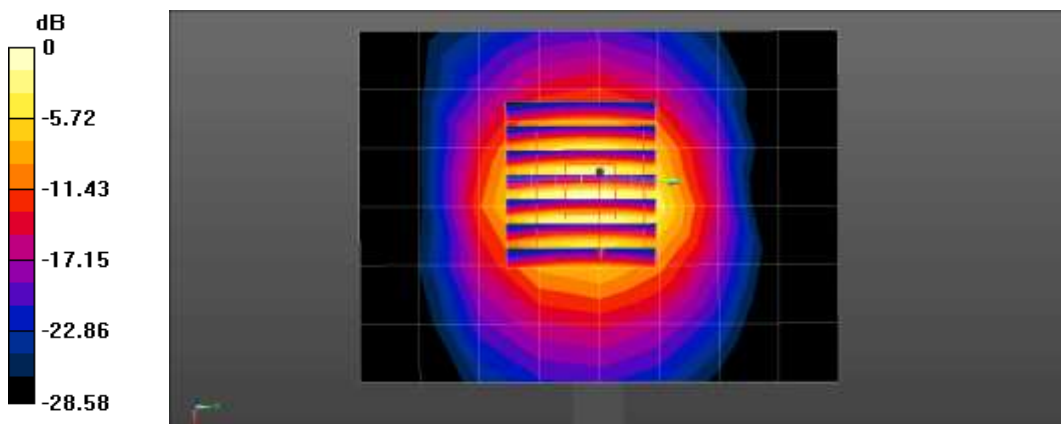
Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 3500$ MHz; $\sigma = 2.801$ S/m; $\epsilon_r = 39.513$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(7.07, 6.73, 7.11) @ 3500 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (4);

3500MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 5.99 W/kg

3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
 Reference Value = 36.91 V/m; Power Drift = -0.00 dB
 Peak SAR (extrapolated) = 8.43 W/kg
SAR(1 g) = 3.45 W/kg; SAR(10 g) = 1.36 W/kg
 Maximum value of SAR (measured) = 6.37 W/kg



0 dB = 6.37 W/kg = 8.04 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.8
 Test Date: 04/18/2025
 Band: LTE TDD Band 48 SUB2 ANT
 Plot No.: V39

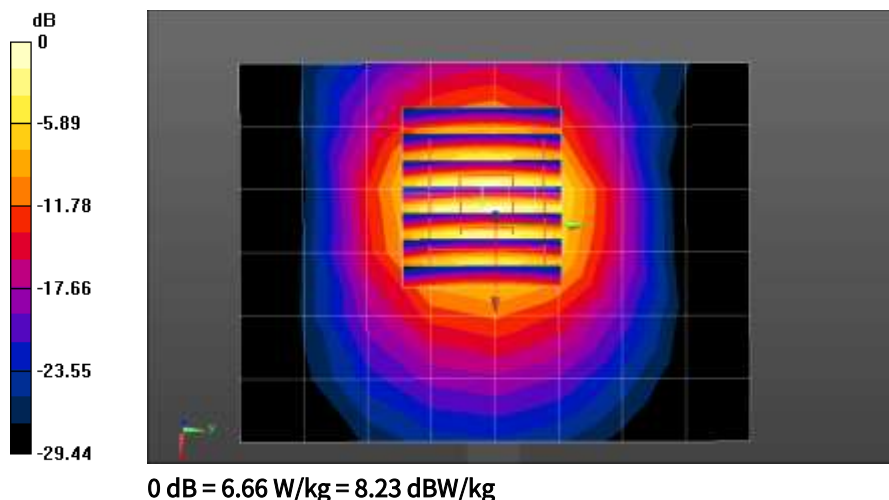
Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 3700$ MHz; $\sigma = 2.979$ S/m; $\epsilon_r = 39.231$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(6.95, 6.62, 6.99) @ 3700 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (4);

3700MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 5.71 W/kg

3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
 Reference Value = 35.02 V/m; Power Drift = 0.13 dB
 Peak SAR (extrapolated) = 8.68 W/kg
SAR(1 g) = 3.53 W/kg; SAR(10 g) = 1.35 W/kg
 Maximum value of SAR (measured) = 6.66 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 04/08/2025
 Band: U-NII-2A SISO
 Plot No.: V40
 Measurement Report for Device, , , CW, Channel 0 (5250.000 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--	5250.000, 0	5.87	4.70	35.1

Hardware Setup

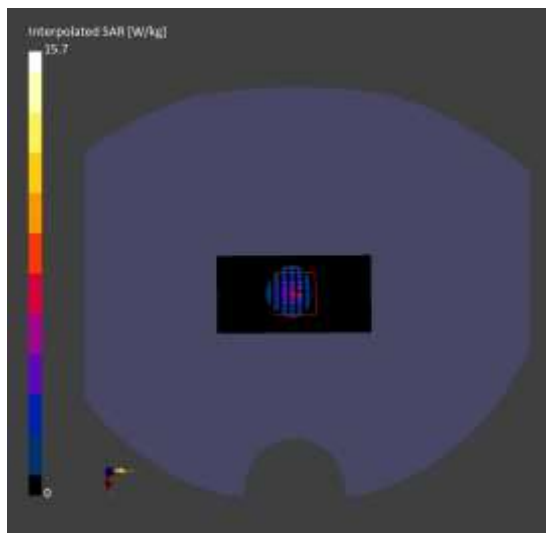
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.74	3.97
psSAR10g [W/Kg]	1.08	1.16
Power Drift [dB]	0.01	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2
 Test Date: 04/09/2025
 Band: U-NII-2A MIMO
 Plot No.: V41
 Measurement Report for Device, , , CW, Channel 0 (5250.000 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--	5250.000, 0	5.87	4.77	35.1

Hardware Setup

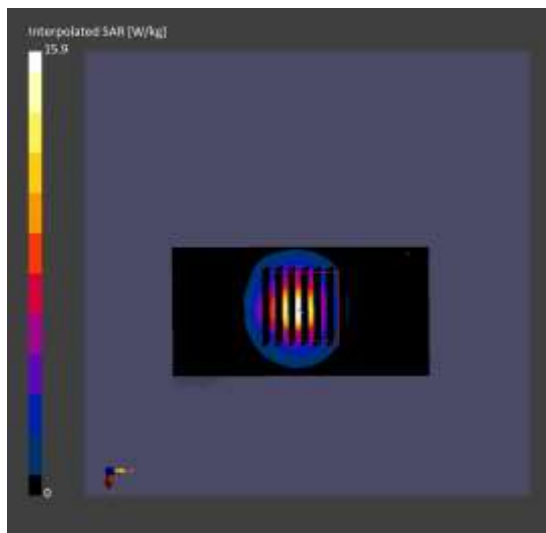
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.78	4.03
psSAR10g [W/Kg]	1.10	1.17
Power Drift [dB]	-0.01	0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 04/10/2025
 Band: U-NII-2C SISO
 Plot No.: V42
 Measurement Report for Device, , , CW, Channel 0 (5600.000 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--	5600.000, 0	5.36	5.13	34.6

Hardware Setup

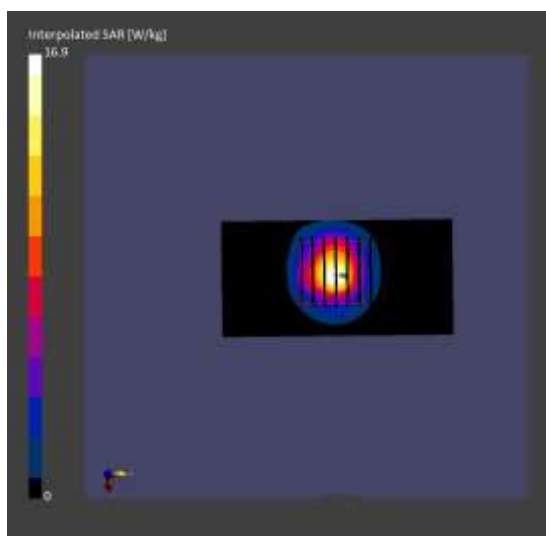
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.66	3.99
psSAR10g [W/Kg]	1.08	1.14
Power Drift [dB]	-0.00	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.5
 Test Date: 04/11/2025
 Band: U-NII-2C MIMO
 Plot No.: V43
 Measurement Report for Device, , , CW, Channel 0 (5600.000 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--	5600.000, 0	5.36	5.15	34.6

Hardware Setup

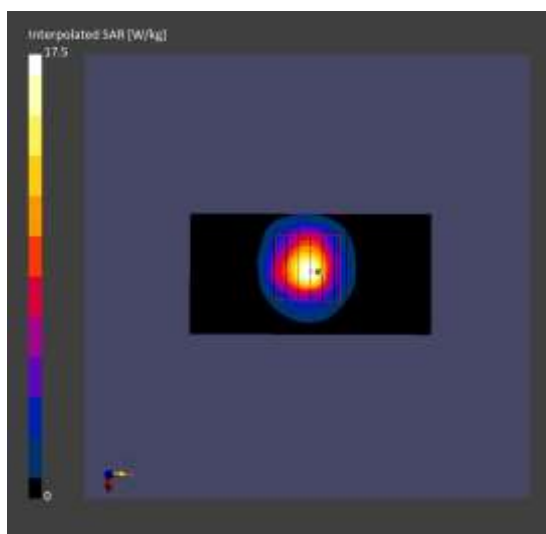
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.80	4.11
psSAR10g [W/Kg]	1.12	1.18
Power Drift [dB]	-0.04	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.1
 Test Date: 04/12/2025
 Band: U-NII-3 SISO
 Plot No.: V44
 Measurement Report for Device, , , CW, Channel 0 (5750.000 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--	5750.000, 0	5.33	5.29	34.5

Hardware Setup

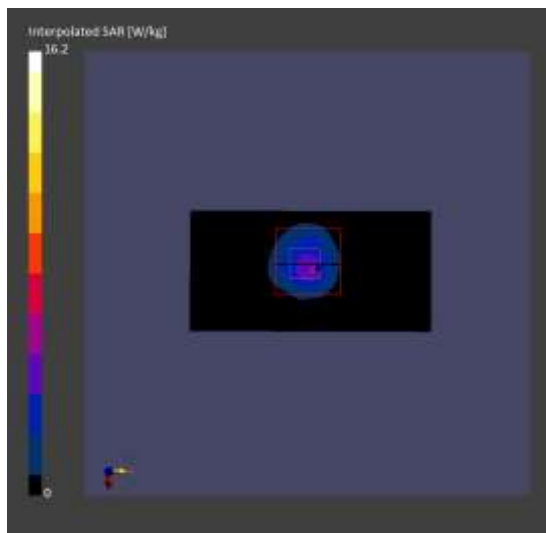
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.40	3.68
psSAR10g [W/Kg]	1.01	1.06
Power Drift [dB]	-0.00	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 04/13/2025
 Band: U-NII-3 MIMO
 Plot No.: V45
 Measurement Report for Device, , , CW, Channel 0 (5750.000 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--	5750.000, 0	5.33	5.39	34.5

Hardware Setup

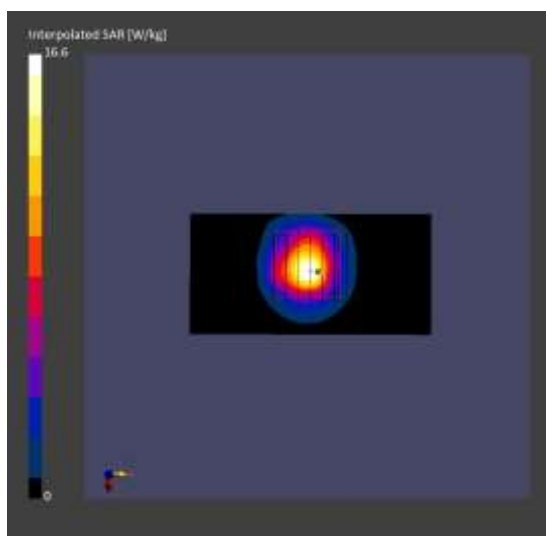
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.50	3.78
psSAR10g [W/Kg]	1.04	1.09
Power Drift [dB]	0.01	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 04/14/2025
 Band: U-NII-4 SISO
 Plot No.: V46
 Measurement Report for Device, , , CW, Channel 0 (5800.000 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--	5800.000, 0	5.36	5.19	34.6

Hardware Setup

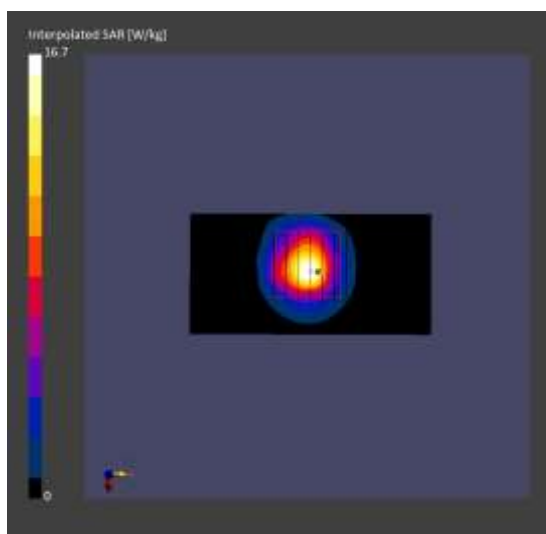
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.42	3.74
psSAR10g [W/Kg]	1.01	1.07
Power Drift [dB]	0.00	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.6
 Test Date: 04/15/2025
 Band: U-NII-4 MIMO
 Plot No.: V47
 Measurement Report for Device, , , CW, Channel 0 (5800.000 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--	5800.000, 0	5.36	5.19	34.6

Hardware Setup

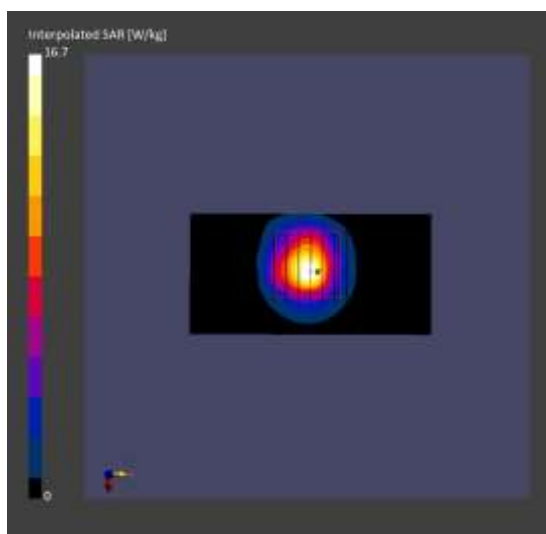
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.40	3.72
psSAR10g [W/Kg]	1.00	1.07
Power Drift [dB]	0.01	-0.04



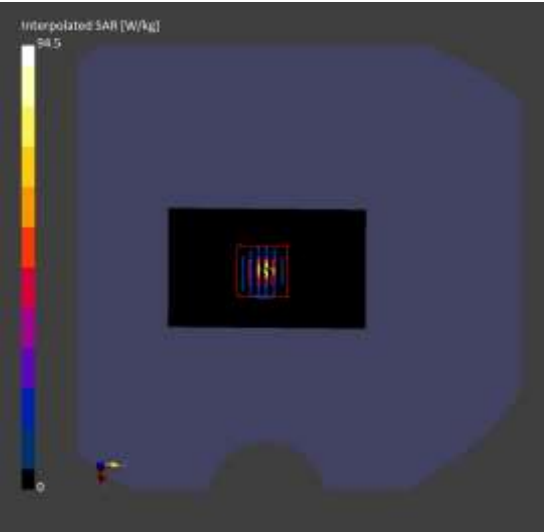
Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.1
Test Date: 04/02/2025
Band: 6 GHz WLAN SISO
Plot No.: V48
Measurement Report for Device, , , CW, Channel 0 (6500.000 MHz)

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--	6500.000, 0	5.75	6.23	34.0

Hardware Setup		
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup		
	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results		
	Area Scan	Zoom Scan
psSAR1g [W/Kg]	12.4	14.2
psSAR10g [W/Kg]	2.41	2.56
Power Drift [dB]	0.02	0.02



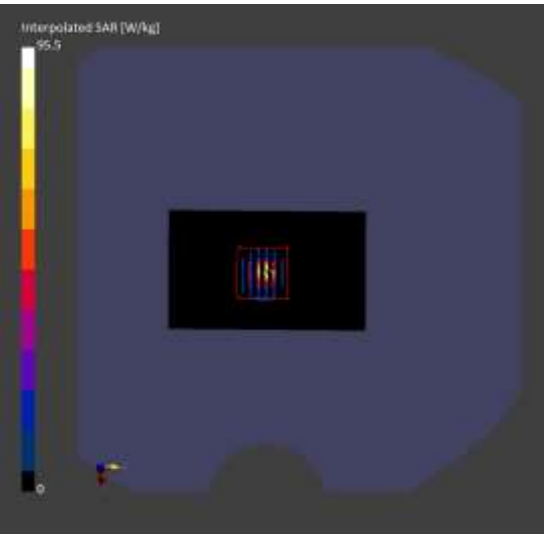
Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.5
Test Date: 04/03/2025
Band: 6 GHz WLAN MIMO
Plot No.: V49
Measurement Report for Device, , , CW, Channel 0 (6500.000 MHz)

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--	6500.000, 0	5.75	6.23	34.0

Hardware Setup		
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

Scans Setup		
	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results		
	Area Scan	Zoom Scan
psSAR1g [W/Kg]	12.3	14.3
psSAR10g [W/Kg]	2.41	2.58
Power Drift [dB]	0.00	0.05



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.2
 Test Date: 03/09/2025
 Band: NR Band n71 MAIN1 ANT
 Plot No.: V50
 Measurement Report for Device, , , CW, Channel 0 (750.000 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--	750.000, 0	8.89	0.913	42.1

Hardware Setup

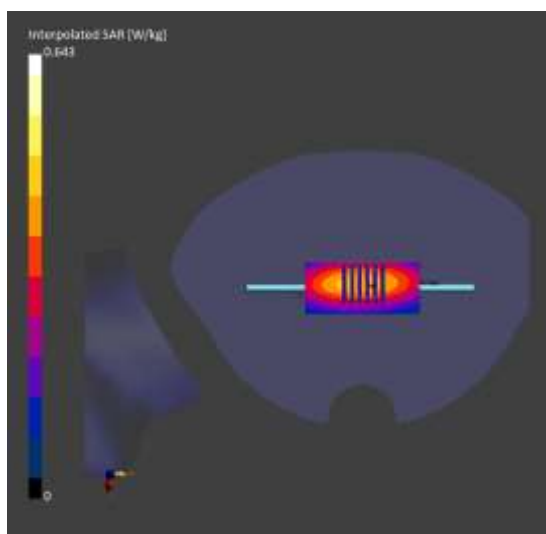
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-17

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]	0.420	0.424
psSAR10g [W/Kg]	0.282	0.283
Power Drift [dB]	0.00	0.03



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.3
 Test Date: 04/14/2025
 Band: NR Band n71 SUB1 ANT
 Plot No.: V51
 Measurement Report for Device, , , CW, Channel 0 (750.000 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--	750.000, 0	9.73	0.937	41.5

Hardware Setup

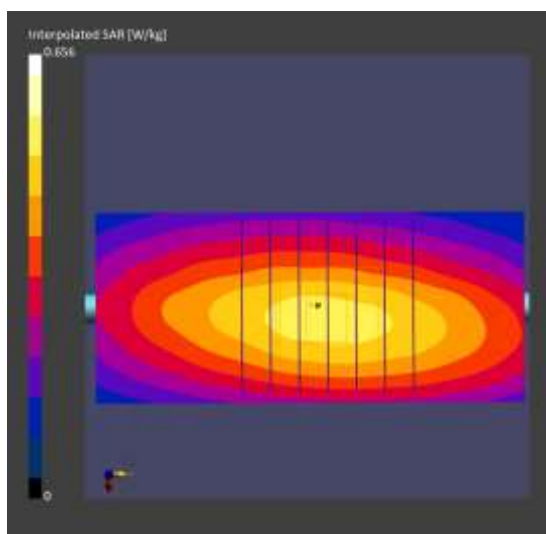
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7732, 2024-06-19	DAE4 Sn1254, 2024-05-16

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	32.0 x 32.0 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]	0.457	0.453
psSAR10g [W/Kg]	0.305	0.305
Power Drift [dB]	0.00	0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.6
 Test Date: 03/03/2025
 Band: NR Band n12 MAIN1 ANT
 Plot No.: V52
 Measurement Report for Device, , , CW, Channel 0 (750.000 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--	750.000, 0	8.89	0.902	42.7

Hardware Setup

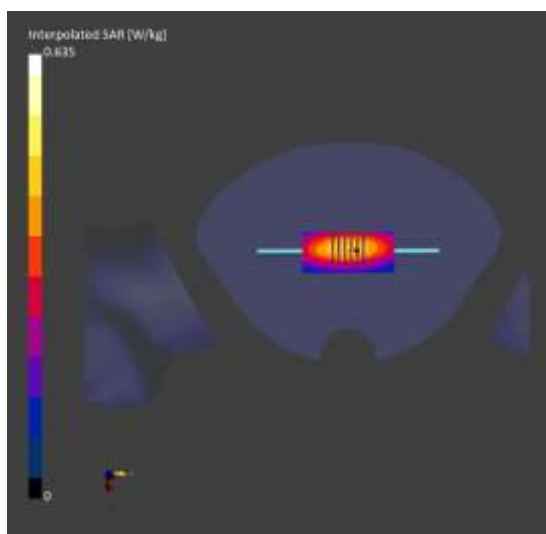
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-17

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]	0.417	0.420
psSAR10g [W/Kg]	0.280	0.280
Power Drift [dB]	0.00	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.7
 Test Date: 04/10/2025
 Band: NR Band n12 SUB1 ANT
 Plot No.: V53
 Measurement Report for Device, , , CW, Channel 0 (750.000 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--	750.000, 0	9.73	0.864	43.3

Hardware Setup

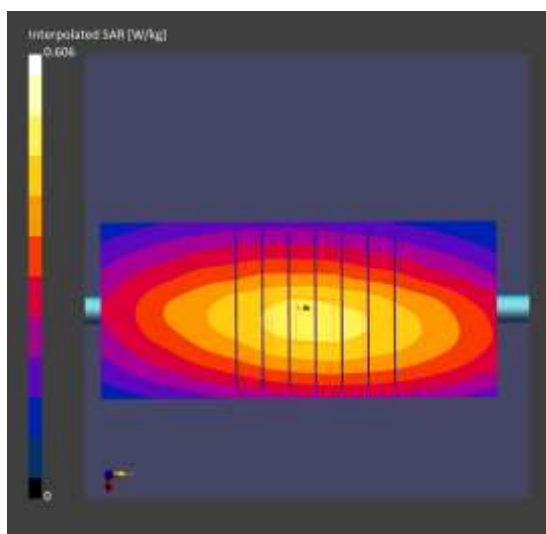
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7732, 2024-06-19	DAE4 Sn1254, 2024-05-16

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	32.0 x 32.0 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]	0.420	0.417
psSAR10g [W/Kg]	0.280	0.280
Power Drift [dB]	0.00	0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.8
 Test Date: 03/04/2025
 Band: NR Band n14 MAIN1 ANT
 Plot No.: V54
 Measurement Report for Device, , , CW, Channel 0 (750.000 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--	750.000, 0	8.89	0.881	42.5

Hardware Setup

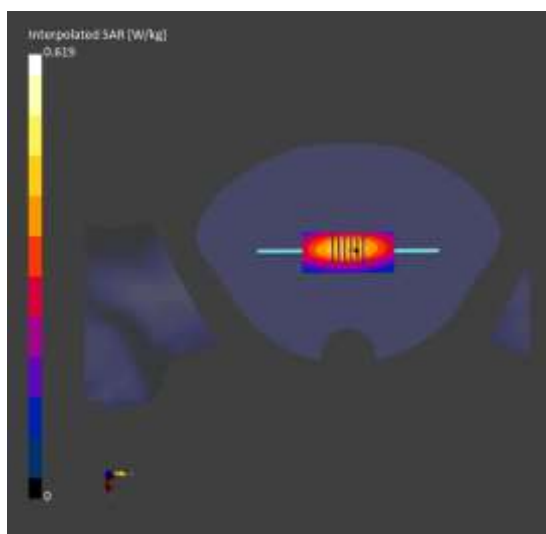
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-17

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]	0.407	0.410
psSAR10g [W/Kg]	0.273	0.274
Power Drift [dB]	0.01	0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.9
 Test Date: 04/11/2025
 Band: NR Band n14 SUB1 ANT
 Plot No.: V55
 Measurement Report for Device, , , CW, Channel 0 (750.000 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--	750.000, 0	9.73	0.875	43.2

Hardware Setup

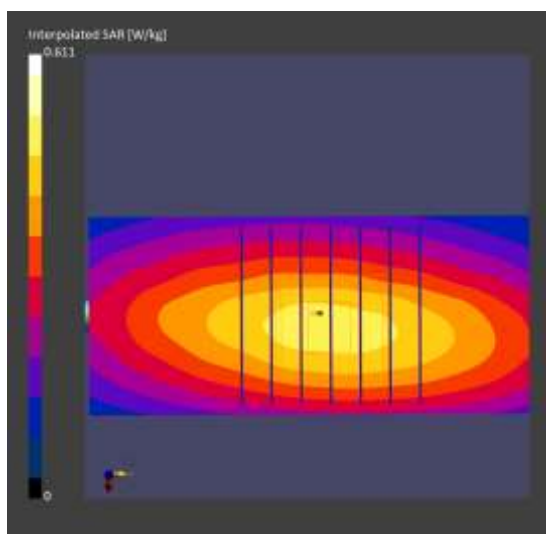
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7732, 2024-06-19	DAE4 Sn1254, 2024-05-16

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	32.0 x 32.0 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]	0.426	0.422
psSAR10g [W/Kg]	0.284	0.284
Power Drift [dB]	-0.00	-0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21
 Test Date: 03/07/2025
 Band: NR Band n26 MAIN1 ANT
 Plot No.: V56
 Measurement Report for Device, , , CW, Channel 0 (835.000 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--	835.000, 0	9.01	0.919	42.1

Hardware Setup

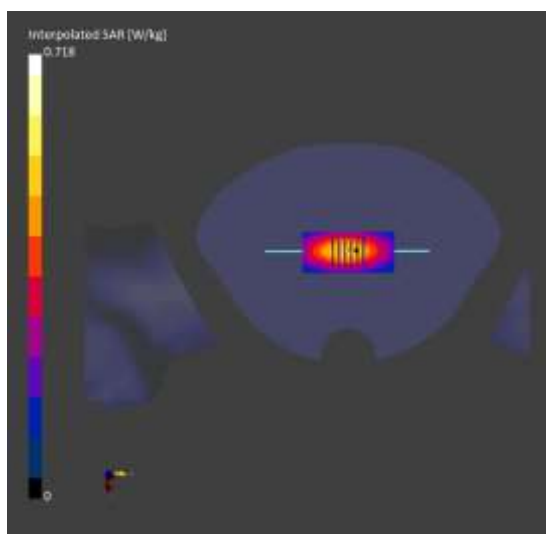
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-17

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]	0.467	0.471
psSAR10g [W/Kg]	0.307	0.307
Power Drift [dB]	0.00	0.00



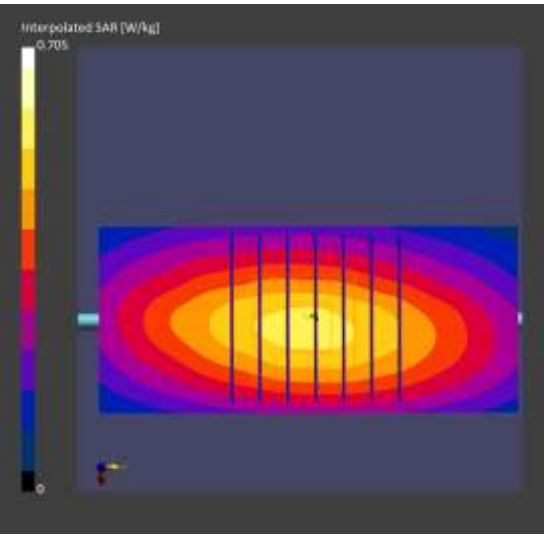
Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.3
Test Date: 04/12/2025
Band: NR Band n26 SUB1 ANT
Plot No.: V57
Measurement Report for Device, , , CW, Channel 0 (835.000 MHz)

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--	835.000, 0	9.55	0.939	41.8

Hardware Setup		
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7732, 2024-06-19	DAE4 Sn1254, 2024-05-16

Scans Setup		
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	32.0 x 32.0 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]	0.485	0.482
psSAR10g [W/Kg]	0.319	0.321
Power Drift [dB]	-0.03	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 04/14/2025
 Band: NR Band n70 MAIN2 ANT
 Plot No.: V58

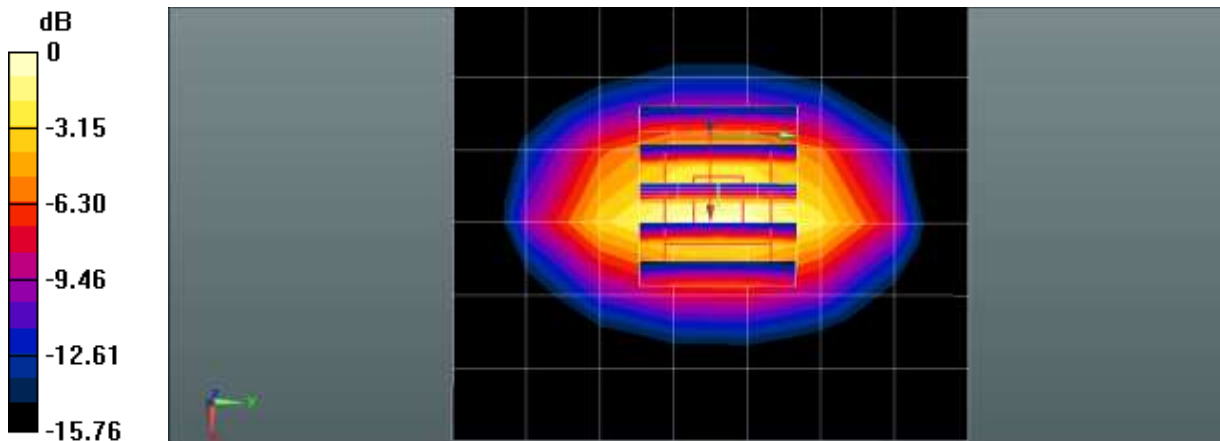
Communication System: UID 0, CW (0); Frequency: 1640 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1640 \text{ MHz}$; $\sigma = 1.267 \text{ S/m}$; $\epsilon_r = 41.912$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(8.16, 8.51, 7.74) @ 1640 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn780; Calibrated: 2024-06-19
- Phantom: SAM with CRP v5.0_Left; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1640MHz Head Verification/Area Scan (7x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.29 W/kg

1640MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 45.67 V/m; Power Drift = 0.12 dB
 Peak SAR (extrapolated) = 2.93 W/kg
SAR(1 g) = 1.75 W/kg; SAR(10 g) = 0.961 W/kg
 Maximum value of SAR (measured) = 2.57 W/kg



0 dB = 2.57 W/kg = 4.10 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.6
 Test Date: 04/15/2025
 Band: NR Band n70 SUB5 ANT
 Plot No.: V59

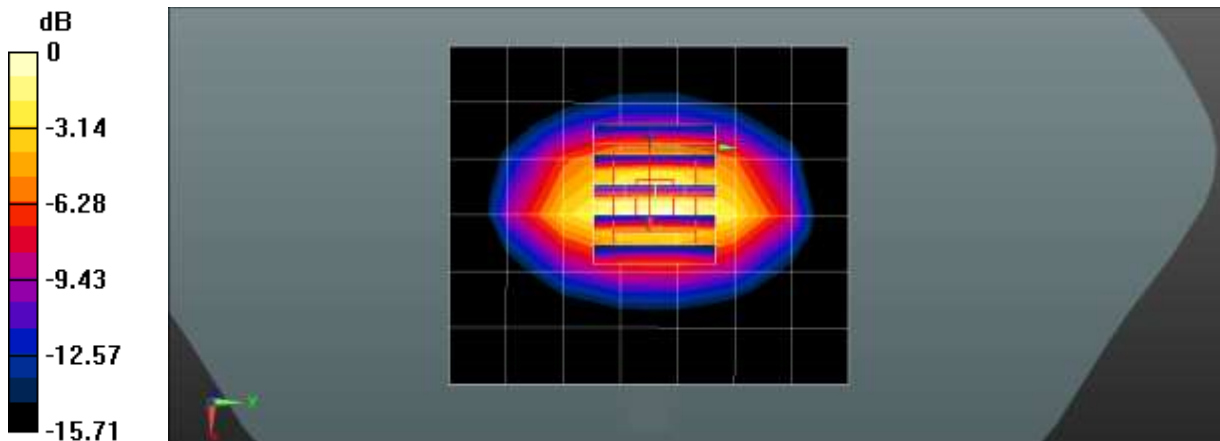
Communication System: UID 0, CW (0); Frequency: 1640 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1640 \text{ MHz}$; $\sigma = 1.250 \text{ S/m}$; $\epsilon_r = 41.998$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(8.16, 8.51, 7.74) @ 1640 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn780; Calibrated: 2024-06-19
- Phantom: SAM with CRP v5.0_Left; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1640MHz Head Verification/Area Scan (7x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.21 W/kg

1640MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 46.12 V/m; Power Drift = 0.18 dB
 Peak SAR (extrapolated) = 2.84 W/kg
SAR(1 g) = 1.69 W/kg; SAR(10 g) = 0.933 W/kg
 Maximum value of SAR (measured) = 2.49 W/kg



0 dB = 2.49 W/kg = 3.96 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22
 Test Date: 03/08/2025
 Band: NR Band n66 MAIN2 ANT
 Plot No.: V60
 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	8.47	1.42	41.6

Hardware Setup

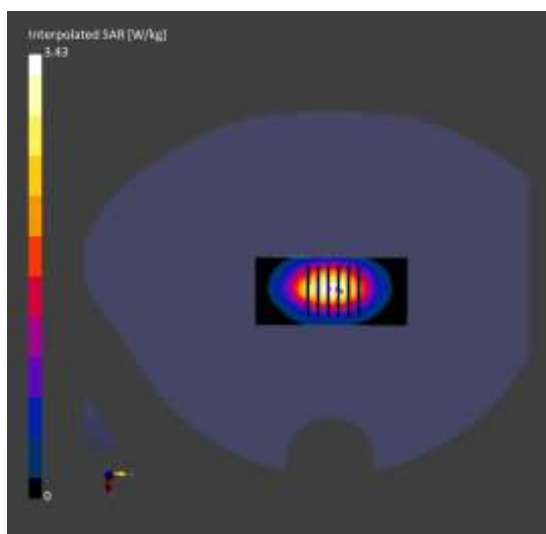
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	1.93	1.91
psSAR10g [W/Kg]	1.02	1.01
Power Drift [dB]	-0.06	-0.06



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/10/2025
 Band: NR Band n66 SUB5 ANT
 Plot No.: V61

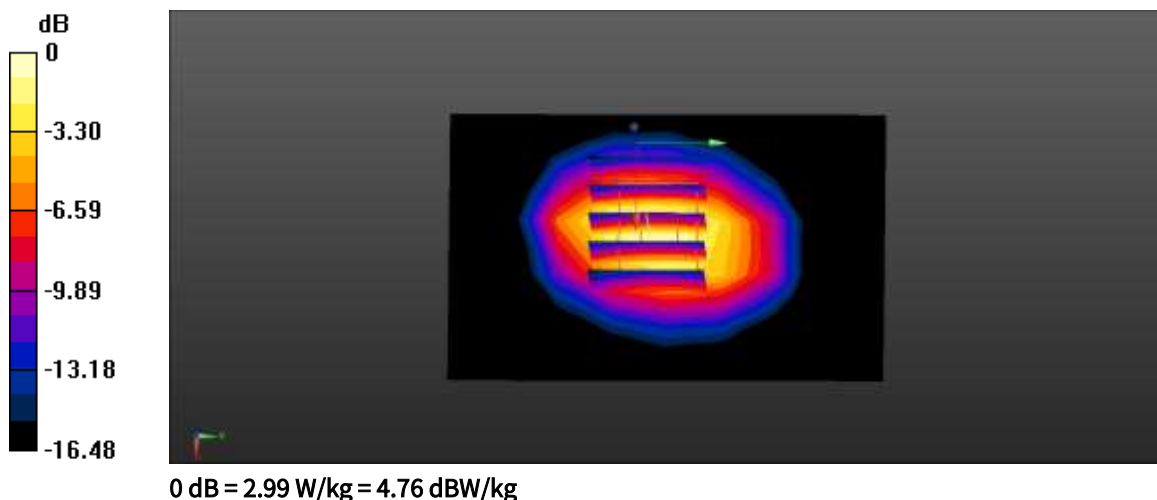
Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1800 \text{ MHz}$; $\sigma = 1.384 \text{ S/m}$; $\epsilon_r = 40.586$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(8.48, 8.09, 8.04) @ 1800 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1800MHz Head Verification/Area Scan (6x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.56 W/kg

1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 47.92 V/m; Power Drift = 0.07 dB
 Peak SAR (extrapolated) = 3.43 W/kg
SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.13 W/kg
 Maximum value of SAR (measured) = 2.99 W/kg



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 22.2
Test Date: 03/06/2025
Band: NR Band n25 MAIN2 ANT
Plot No.: V62
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	8.13	1.43	40.9

Hardware Setup

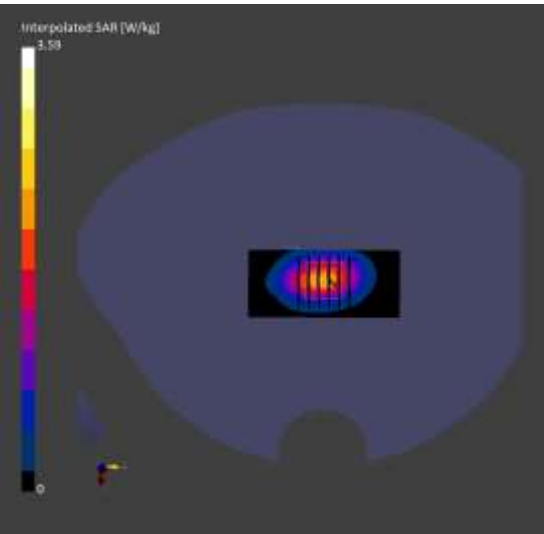
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	1.95	1.97
psSAR10g [W/Kg]	1.02	1.03
Power Drift [dB]	0.03	-0.11



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.4
 Test Date: 04/08/2025
 Band: NR Band n25 SUB5 ANT
 Plot No.: V63

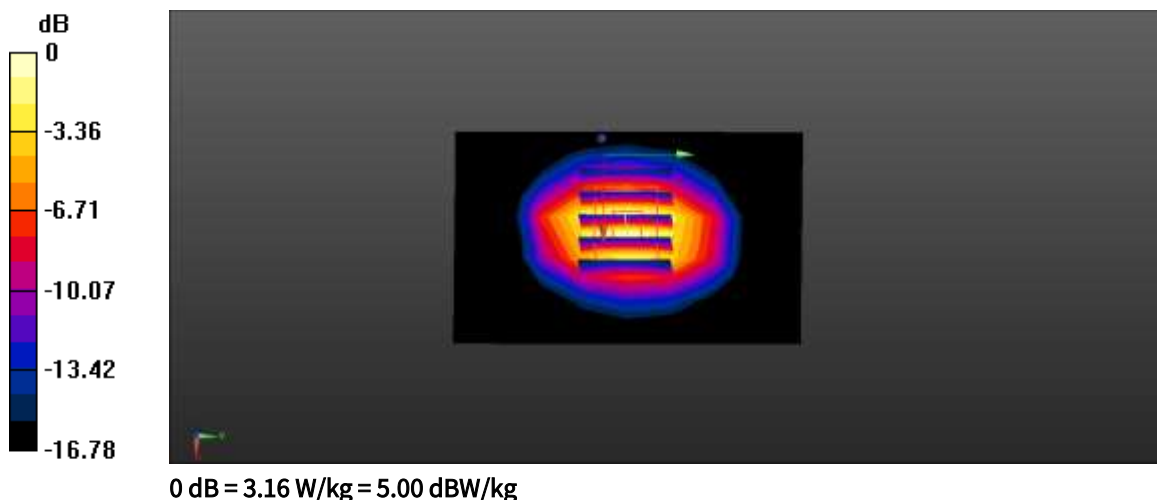
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1900 \text{ MHz}$; $\sigma = 1.389 \text{ S/m}$; $\epsilon_r = 38.837$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(8.2, 7.82, 7.77) @ 1900 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.58 W/kg

1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 49.59 V/m; Power Drift = 0.06 dB
 Peak SAR (extrapolated) = 3.60 W/kg
SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.14 W/kg
 Maximum value of SAR (measured) = 3.16 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.4
 Test Date: 03/02/2025
 Band: NR Band n30 MAIN2 ANT
 Plot No.: V64
 Measurement Report for Device, , , CW, Channel 0 (2300.000 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--	2300.000, 0	7.07	1.67	39.4

Hardware Setup

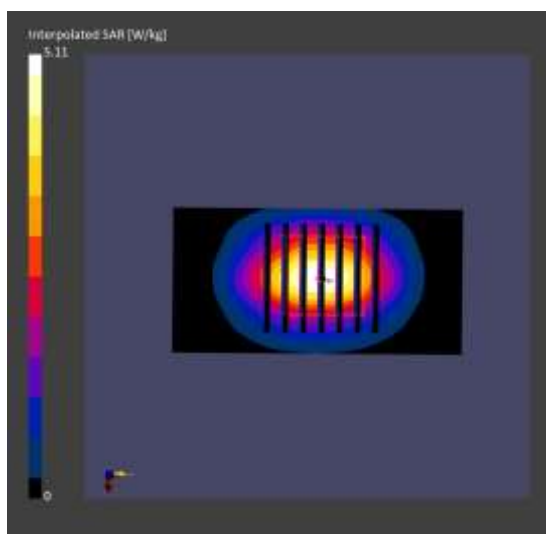
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4ip Sn1867, 2024-05-02

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]	2.49	2.51
psSAR10g [W/Kg]	1.20	1.20
Power Drift [dB]	-0.00	-0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.1
 Test Date: 04/19/2025
 Band: NR Band n30 SUB5 ANT
 Plot No.: V65

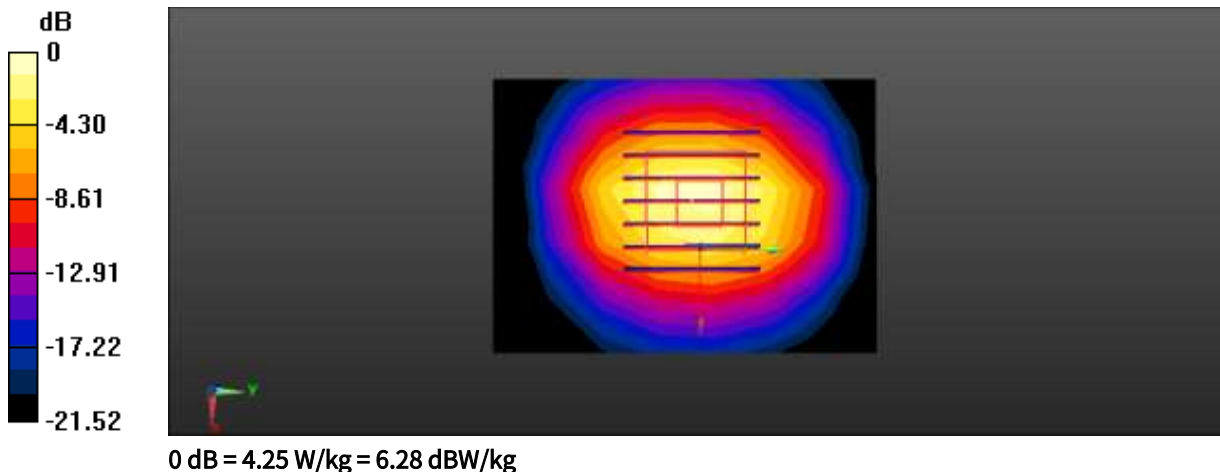
Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2300 \text{ MHz}$; $\sigma = 1.718 \text{ S/m}$; $\epsilon_r = 39.305$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217
- Measurement SW: DASY52, Version 52.10 (4);

2300MHz Head Verification/Area Scan (6x8x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
 Maximum value of SAR (measured) = 3.78 W/kg

2300MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 50.97 V/m ; Power Drift = 0.07 dB
 Peak SAR (extrapolated) = 5.16 W/kg
SAR(1 g) = 2.61 W/kg ; SAR(10 g) = 1.24 W/kg
 Maximum value of SAR (measured) = 4.25 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.4
 Test Date: 03/05/2025
 Band: NR Band n7 MAIN2 ANT
 Plot No.: V66
 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	1.92	40.4

Hardware Setup

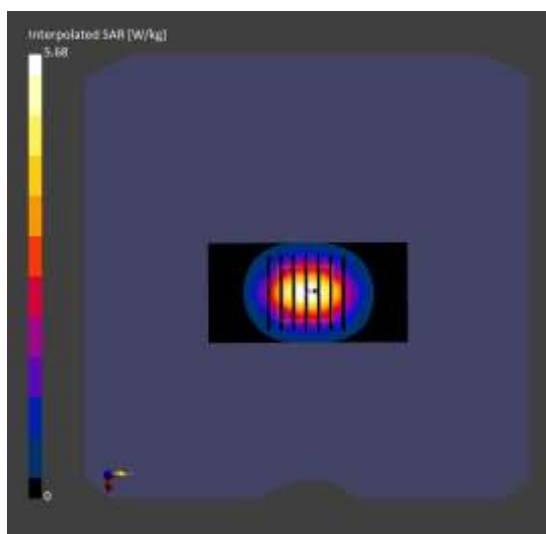
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4ip Sn1867, 2024-05-02

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]	2.59	2.60
psSAR10g [W/Kg]	1.16	1.16
Power Drift [dB]	-0.00	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.5
 Test Date: 04/17/2025
 Band: NR Band n7 SUB5 ANT
 Plot No.: V67

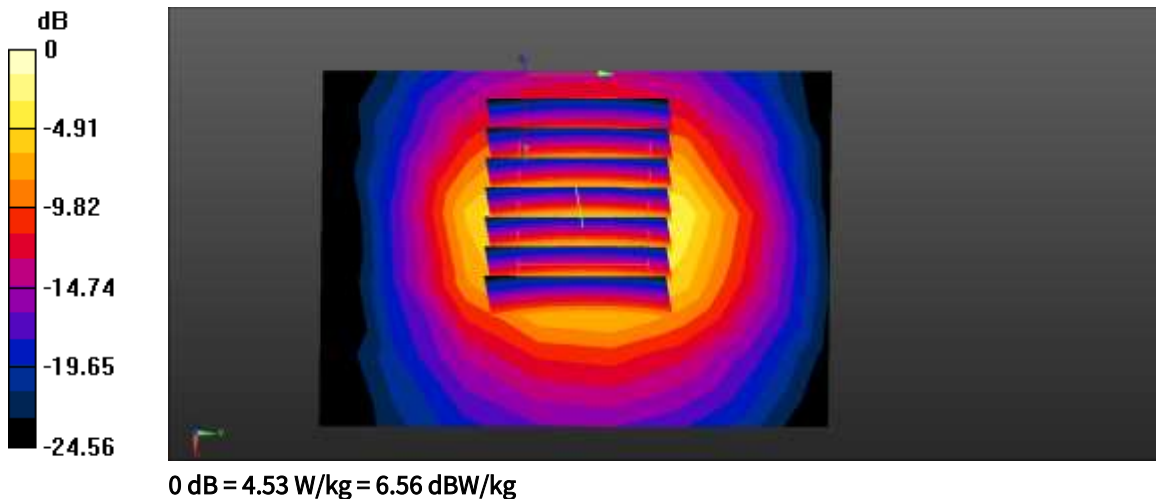
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.961$ S/m; $\epsilon_r = 38.185$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2600 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2600MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 4.04 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 48.30 V/m; Power Drift = 0.12 dB
 Peak SAR (extrapolated) = 5.68 W/kg
SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.16 W/kg
 Maximum value of SAR (measured) = 4.53 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.1
 Test Date: 03/10/2025
 Band: NR Band n41 MAIN2 ANT
 Plot No.: V68
 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	1.97	40.0

Hardware Setup

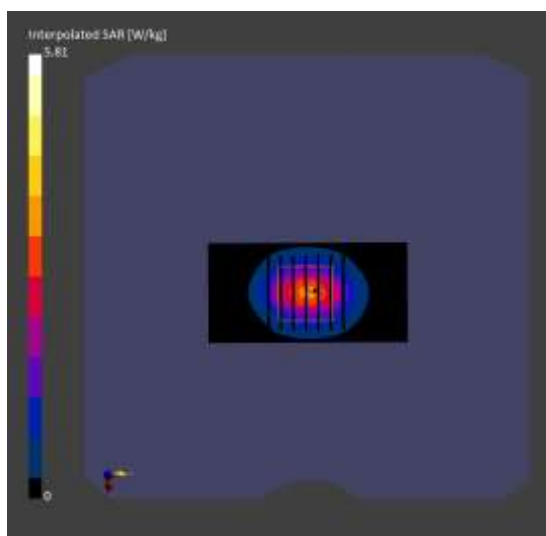
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3768, 2024-10-07	DAE4ip Sn1867, 2024-05-02

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]	2.67	2.69
psSAR10g [W/Kg]	1.19	1.20
Power Drift [dB]	0.01	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.7
 Test Date: 04/17/2025
 Band: NR Band n41 SUB5 ANT
 Plot No.: V69
 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	7.6	2.02	37.8

Hardware Setup

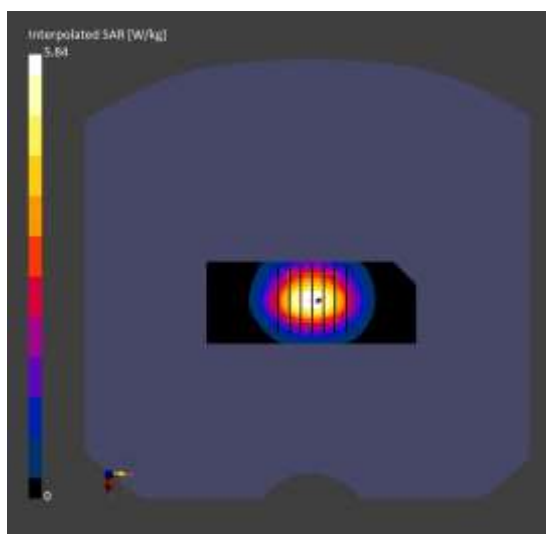
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7732, 2024-06-19	DAE4 Sn1254, 2024-05-16

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.71	2.79
psSAR10g [W/Kg]	1.24	1.27
Power Drift [dB]	-0.01	-0.04



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.7
 Test Date: 04/20/2025
 Band: NR Band n41 SRS1
 Plot No.: V70

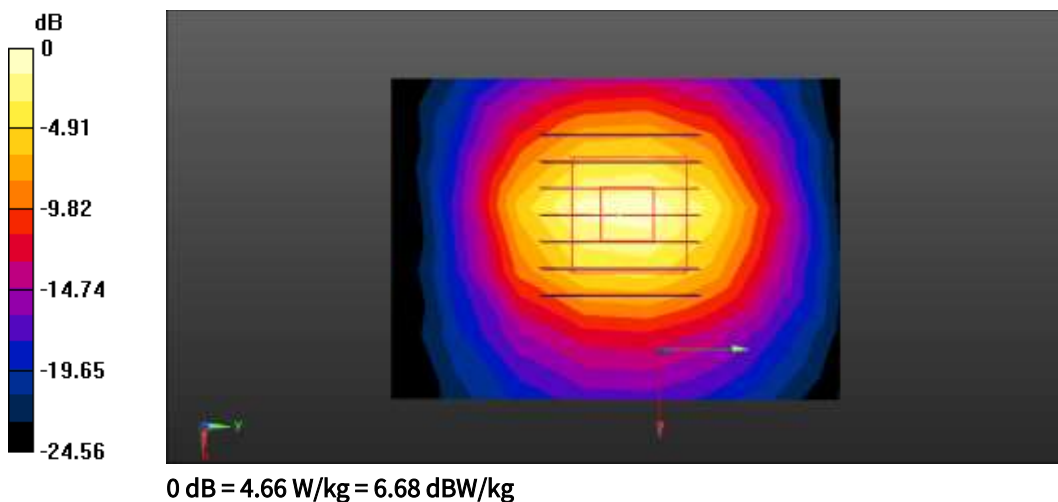
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.961$ S/m; $\epsilon_r = 38.185$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2600 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2600MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 4.33 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 46.65 V/m; Power Drift = 0.16 dB
 Peak SAR (extrapolated) = 5.80 W/kg
SAR(1 g) = 2.74 W/kg; SAR(10 g) = 1.22 W/kg
 Maximum value of SAR (measured) = 4.66 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.5
 Test Date: 04/22/2025
 Band: NR Band n41 SRS2
 Plot No.: V71

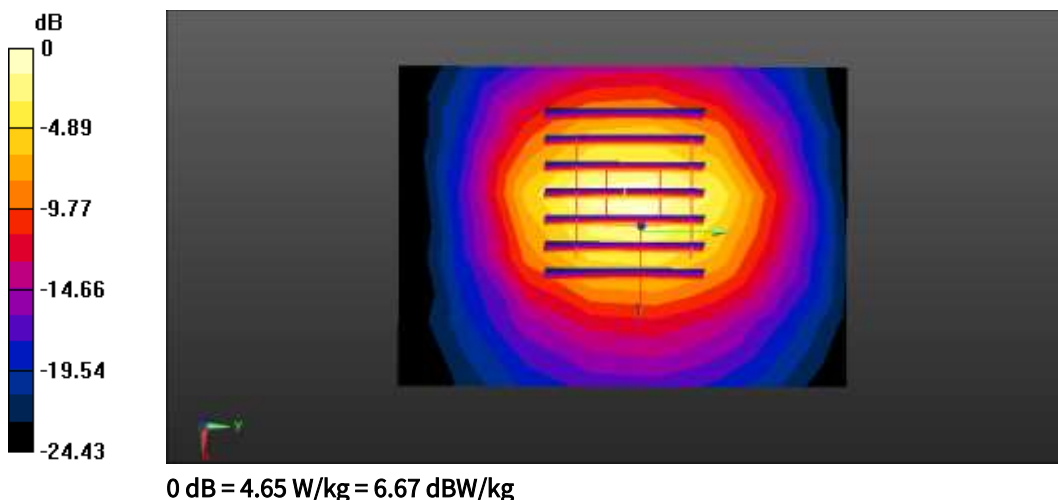
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.962$ S/m; $\epsilon_r = 38.185$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2600 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2600MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 4.36 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 46.78 V/m; Power Drift = 0.18 dB
 Peak SAR (extrapolated) = 5.79 W/kg
SAR(1 g) = 2.74 W/kg; SAR(10 g) = 1.22 W/kg
 Maximum value of SAR (measured) = 4.65 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.6
 Test Date: 04/21/2025
 Band: NR Band n41 SRS3
 Plot No.: V72

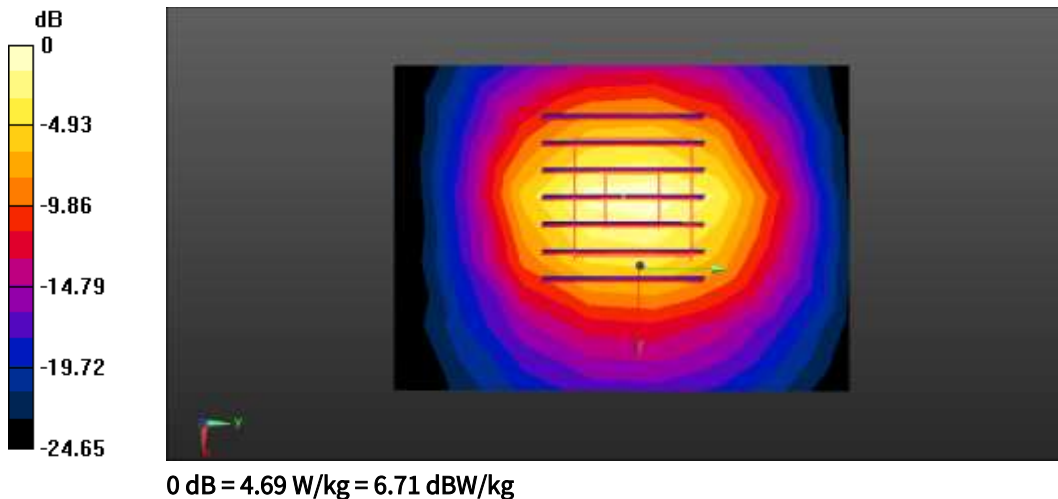
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.962$ S/m; $\epsilon_r = 38.186$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.42, 7.08, 7.03) @ 2600 MHz; Calibrated: 2024-10-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2025-01-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2600MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 4.37 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 46.13 V/m; Power Drift = 0.00 dB
 Peak SAR (extrapolated) = 5.82 W/kg
SAR(1 g) = 2.74 W/kg; SAR(10 g) = 1.22 W/kg
 Maximum value of SAR (measured) = 4.69 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.1
 Test Date: 04/13/2025
 Band: NR Band n48
 Plot No.: V73

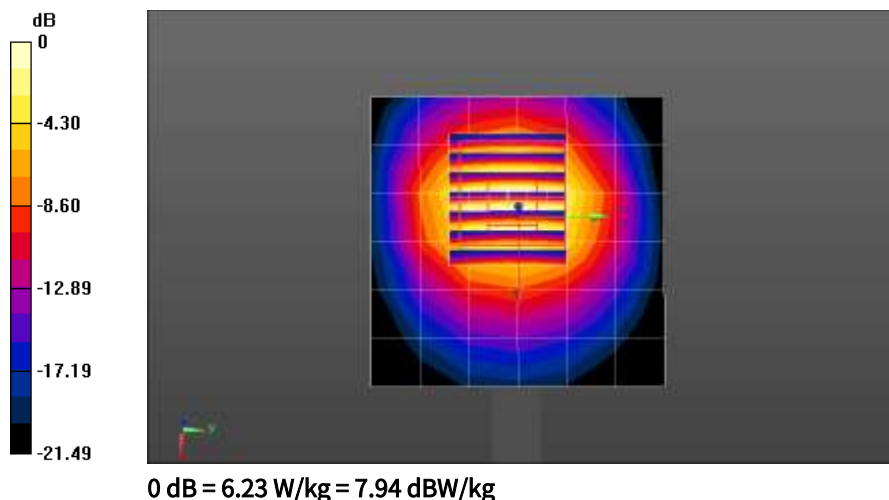
Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 3500$ MHz; $\sigma = 2.871$ S/m; $\epsilon_r = 38.513$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(7.07, 6.73, 7.11) @ 3500 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

3500MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 5.70 W/kg

3500MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
 Reference Value = 38.07 V/m; Power Drift = 0.12dB
 Peak SAR (extrapolated) = 8.37 W/kg
SAR(1 g) = 3.38 W/kg; SAR(10 g) = 1.37 W/kg
 Maximum value of SAR (measured) = 6.23 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/22/2025
 Band: NR Band n48 SRS1
 Plot No.: V74
 Measurement Report for Device, , , CW, Channel 0 (3500.0 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, HSL	,		CW, 0--	3500.0, 0	7.02	3.01	37.9

Hardware Setup

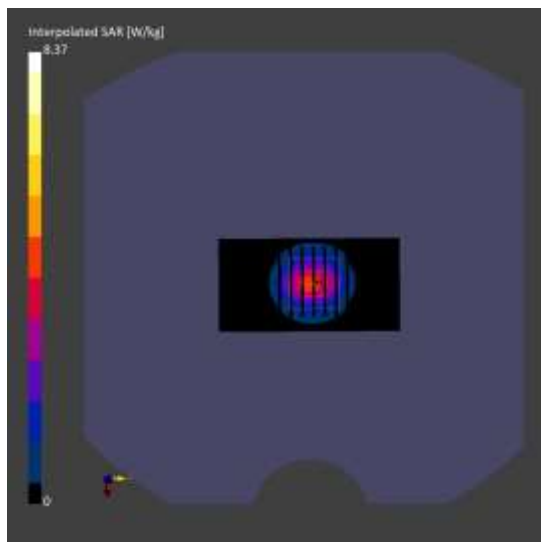
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.36	3.40
psSAR10g [W/Kg]	1.28	1.34
Power Drift [dB]	-0.00	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.1
 Test Date: 04/20/2025
 Band: NR Band n48 SRS2
 Plot No.: V75
 Measurement Report for Device, , , CW, Channel 0 (3500.0 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, HSL	,		CW, 0--	3500.0, 0	7.4	3.01	37.9

Hardware Setup

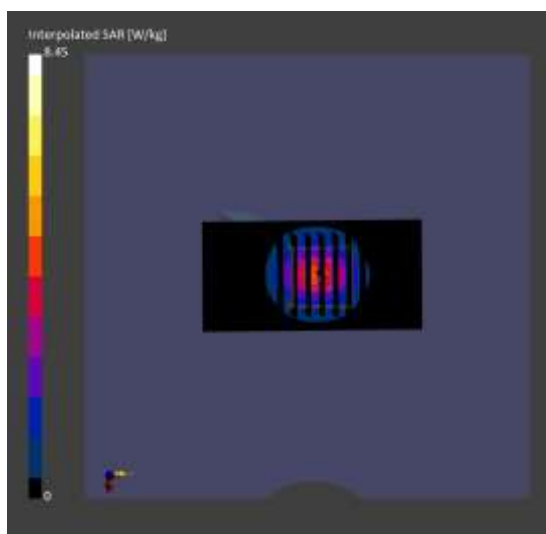
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7654, 2024-05-22	DAE4 Sn868, 2024-09-19

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]	3.43	3.38
psSAR10g [W/Kg]	1.30	1.30
Power Drift [dB]	-0.01	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/21/2025
 Band: NR Band n48 SRS3
 Plot No.: V76
 Measurement Report for Device, , , CW, Channel 0 (3500.0 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, HSL	,		CW, 0--	3500.0, 0	7.4	3.01	37.9

Hardware Setup

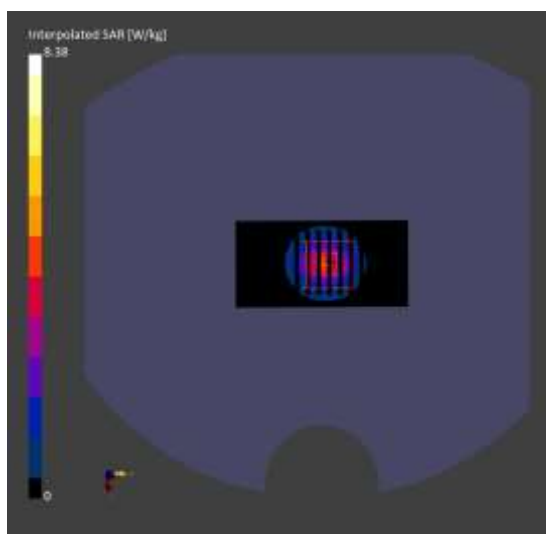
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7654, 2024-05-22	DAE4 Sn868, 2024-09-19

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]	3.36	3.33
psSAR10g [W/Kg]	1.28	1.28
Power Drift [dB]	-0.02	0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/06/2025
 Band: NR Band n77 Open
 Plot No.: V77
 Measurement Report for Device, , , CW, Channel 0 (3500.000 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--	3500.000, 0	7.02	2.93	38.4

Hardware Setup

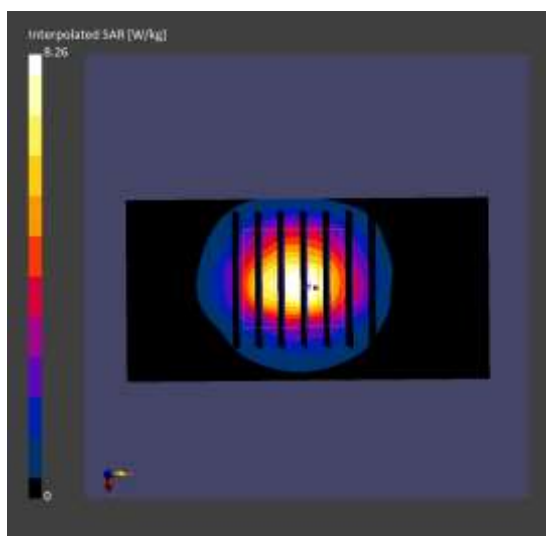
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.34	3.37
psSAR10g [W/Kg]	1.28	1.32
Power Drift [dB]	0.02	0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.6
 Test Date: 04/07/2025
 Band: NR Band n77 Closed
 Plot No.: V78
 Measurement Report for Device, , , CW, Channel 0 (3500.000 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--	3500.000, 0	7.02	2.93	38.4

Hardware Setup

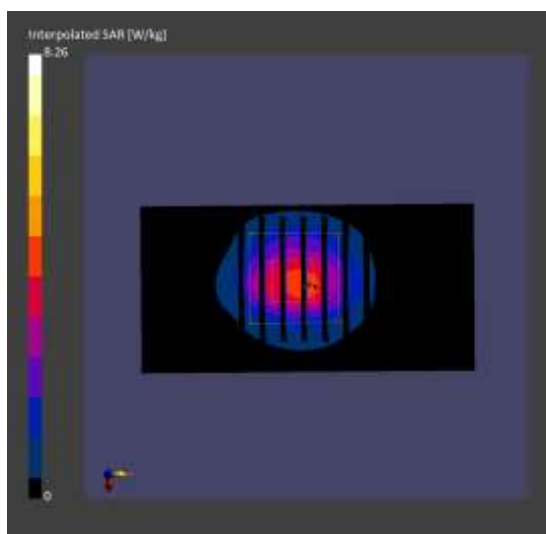
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.34	3.37
psSAR10g [W/Kg]	1.28	1.31
Power Drift [dB]	0.01	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2
 Test Date: 04/19/2025
 Band: NR Band n77 SRS1
 Plot No.: V79
 Measurement Report for Device, , , CW, Channel 0 (3500.000 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--	3500.000, 0	7.02	2.91	38.5

Hardware Setup

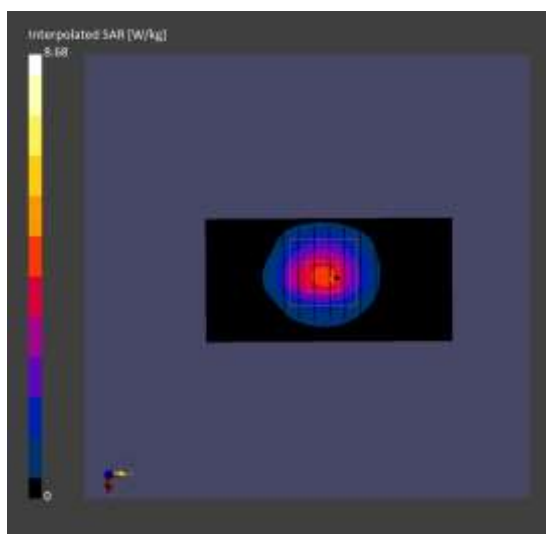
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.44	3.49
psSAR10g [W/Kg]	1.33	1.38
Power Drift [dB]	0.00	-0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2
 Test Date: 04/20/2025
 Band: NR Band n77 SRS2
 Plot No.: V80
 Measurement Report for Device, , , CW, Channel 0 (3500.000 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--	3500.000, 0	7.02	2.91	38.4

Hardware Setup

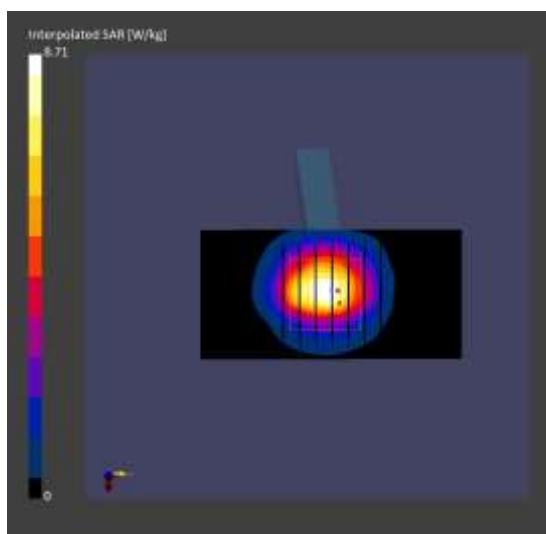
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.45	3.51
psSAR10g [W/Kg]	1.34	1.38
Power Drift [dB]	0.03	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/21/2025
 Band: NR Band n77 SRS3
 Plot No.: V81
 Measurement Report for Device, , , CW, Channel 0 (3500.000 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--	3500.000, 0	7.02	2.91	38.4

Hardware Setup

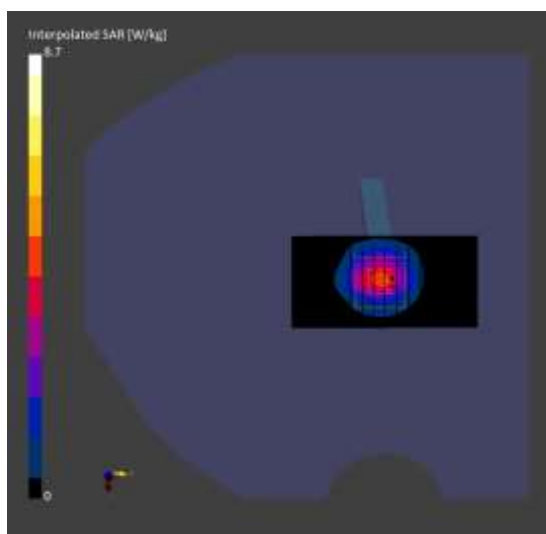
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.45	3.50
psSAR10g [W/Kg]	1.34	1.38
Power Drift [dB]	0.01	-0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.1
 Test Date: 04/13/2025
 Band: NR Band n48
 Plot No.: V82

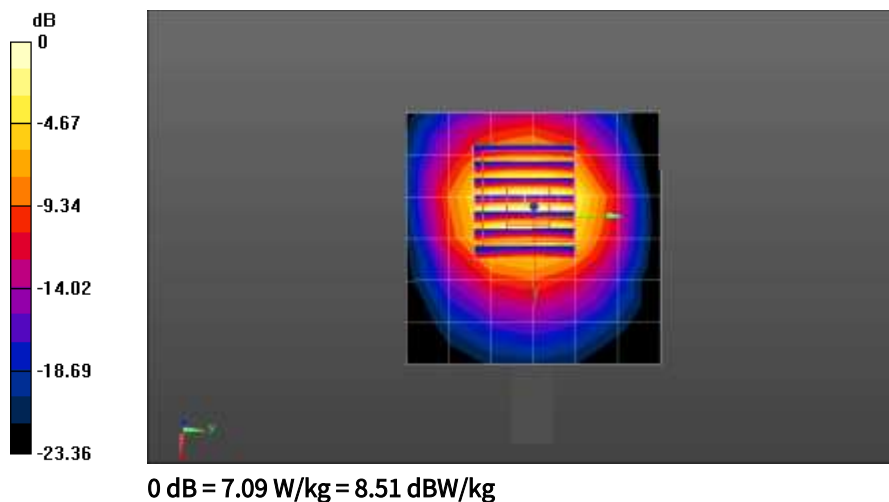
Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 3700$ MHz; $\sigma = 3.053$ S/m; $\epsilon_r = 38.231$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7622; ConvF(6.95, 6.62, 6.99) @ 3700 MHz; Calibrated: 2024-11-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2025-03-19
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

3700MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 6.61 W/kg

3700MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
 Reference Value = 38.44 V/m; Power Drift = 0.11 dB
 Peak SAR (extrapolated) = 9.72 W/kg
SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.43 W/kg
 Maximum value of SAR (measured) = 7.09 W/kg



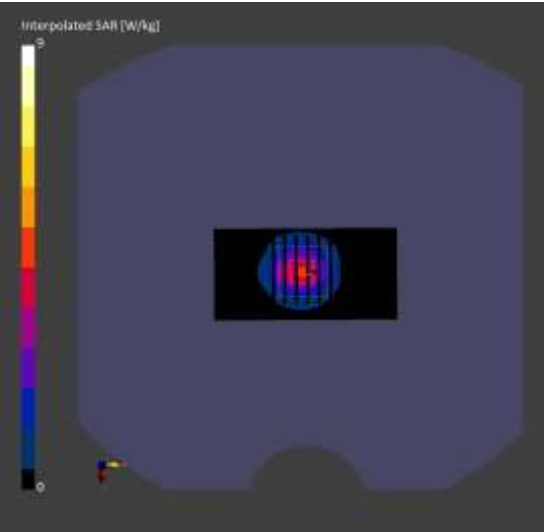
Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 22.3
Test Date: 04/22/2025
Band: NR Band n48 SRS1
Plot No.: V83
Measurement Report for Device, , , CW, Channel 0 (3700.000 MHz)

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--	3700.000, 0	6.86	3.09	38.1

Hardware Setup		
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.34	3.42
psSAR10g [W/Kg]	1.25	1.30
Power Drift [dB]	-0.02	0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.1
 Test Date: 04/20/2025
 Band: NR Band n48 SRS2
 Plot No.: V84
 Measurement Report for Device, , , CW, Channel 0 (3700.0 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, HSL	,		CW, 0--	3700.0, 0	7.33	3.09	38.1

Hardware Setup

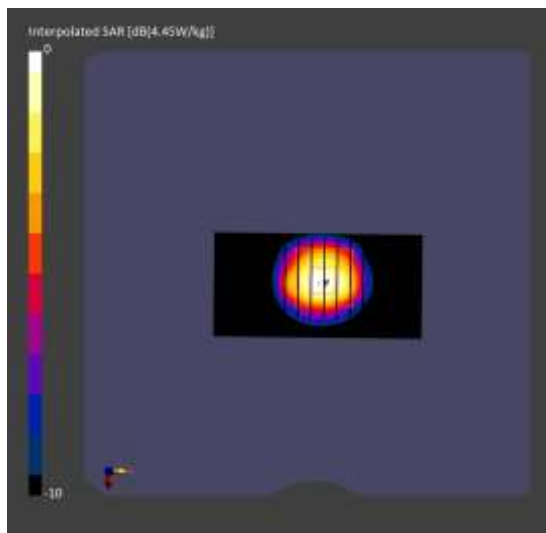
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7654, 2024-05-22	DAE4 Sn868, 2024-09-19

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]	3.13	3.23
psSAR10g [W/Kg]	1.18	1.18
Power Drift [dB]	0.00	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/21/2025
 Band: NR Band n48 SRS3
 Plot No.: V85
 Measurement Report for Device, , , CW, Channel 0 (3700.0 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, HSL	,		CW, 0--	3700.0, 0	7.33	3.09	38.1

Hardware Setup

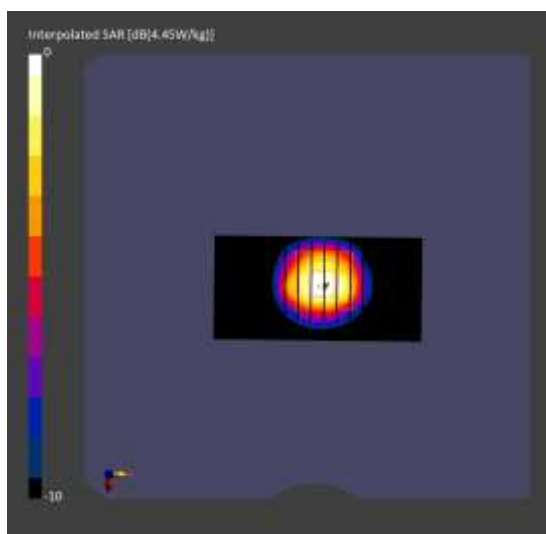
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7654, 2024-05-22	DAE4 Sn868, 2024-09-19

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]	3.13	3.22
psSAR10g [W/Kg]	1.18	1.18
Power Drift [dB]	0.00	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/06/2025
 Band: NR Band n77 Open
 Plot No.: V86
 Measurement Report for Device, , , CW, Channel 0 (3700.000 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--	3700.000, 0	6.86	3.12	38.2

Hardware Setup

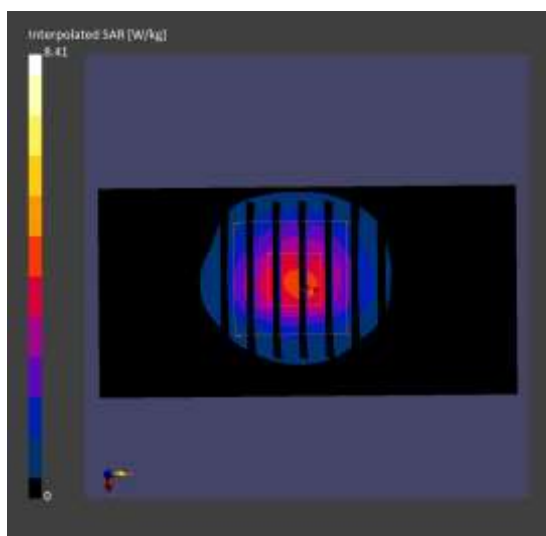
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.22	3.31
psSAR10g [W/Kg]	1.22	1.25
Power Drift [dB]	0.01	-0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.6
 Test Date: 04/07/2025
 Band: NR Band n77 Closed
 Plot No.: V87
 Measurement Report for Device, , , CW, Channel 0 (3700.000 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--	3700.000, 0	6.86	3.12	38.2

Hardware Setup

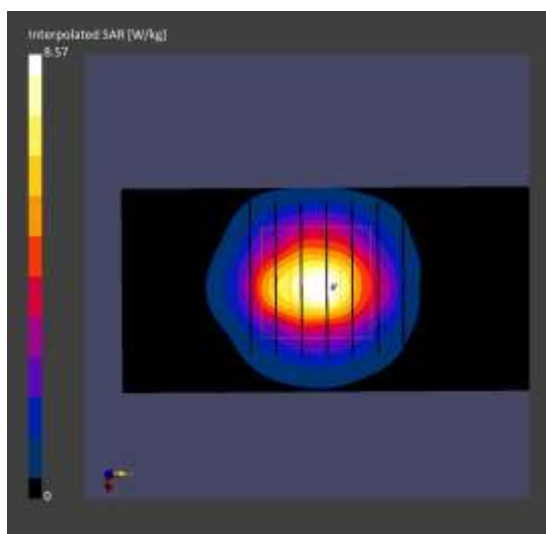
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.26	3.34
psSAR10g [W/Kg]	1.20	1.26
Power Drift [dB]	0.02	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2
 Test Date: 04/19/2025
 Band: NR Band n77 SRS1
 Plot No.: V88
 Measurement Report for Device, , , CW, Channel 0 (3700.000 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--	3700.000, 0	6.86	3.10	38.2

Hardware Setup

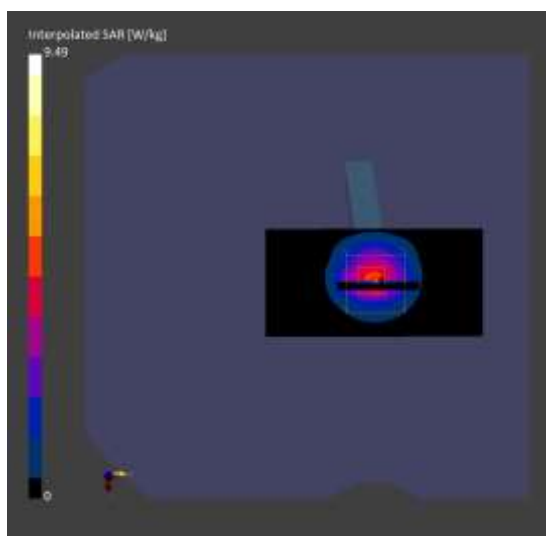
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.65	3.71
psSAR10g [W/Kg]	1.36	1.41
Power Drift [dB]	0.01	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2
 Test Date: 04/20/2025
 Band: NR Band n77 SRS2
 Plot No.: V89
 Measurement Report for Device, , , CW, Channel 0 (3700.000 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--	3700.000, 0	6.86	3.10	38.2

Hardware Setup

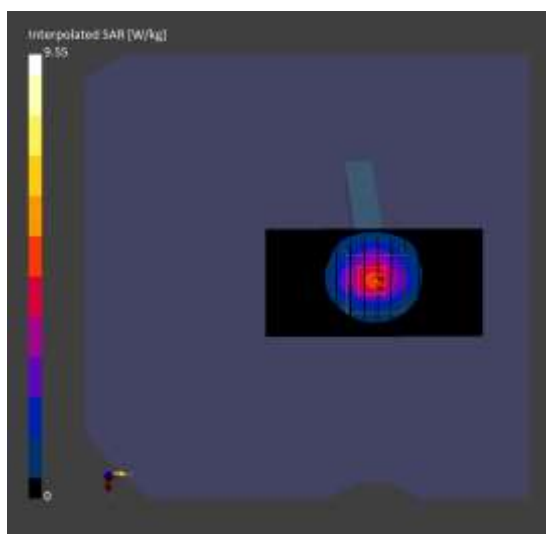
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.66	3.71
psSAR10g [W/Kg]	1.37	1.41
Power Drift [dB]	0.02	-0.01



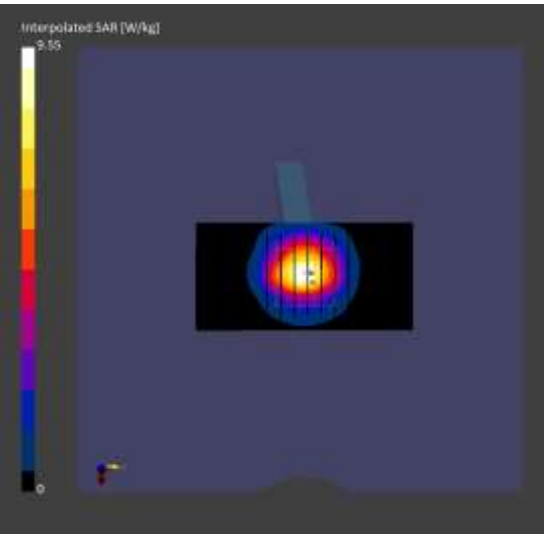
Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 22.3
Test Date: 04/21/2025
Band: NR Band n77 SRS3
Plot No.: V90
Measurement Report for Device, , , CW, Channel 0 (3700.000 MHz)

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--	3700.000, 0	6.86	3.10	38.1

Hardware Setup		
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.65	3.72
psSAR10g [W/Kg]	1.36	1.41
Power Drift [dB]	0.02	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/06/2025
 Band: NR Band n77 Open
 Plot No.: V91
 Measurement Report for Device, , , CW, Channel 0 (3900.000 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--	3900.000, 0	6.81	3.32	37.8

Hardware Setup

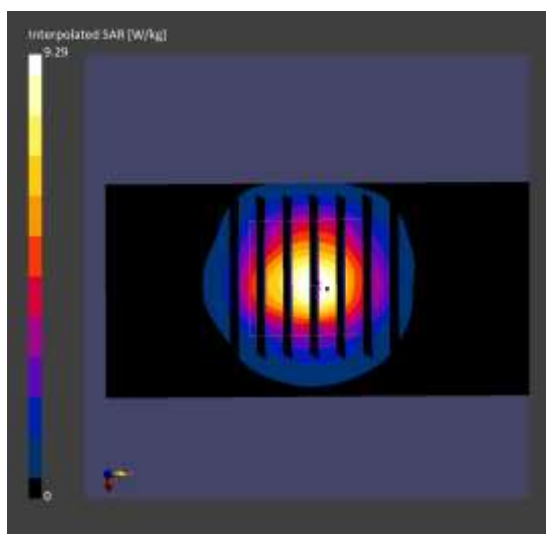
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.33	3.42
psSAR10g [W/Kg]	1.19	1.23
Power Drift [dB]	0.02	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.6
 Test Date: 04/07/2025
 Band: NR Band n77 Closed
 Plot No.: V92
 Measurement Report for Device, , , CW, Channel 0 (3900.000 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--	3900.000, 0	6.81	3.32	37.8

Hardware Setup

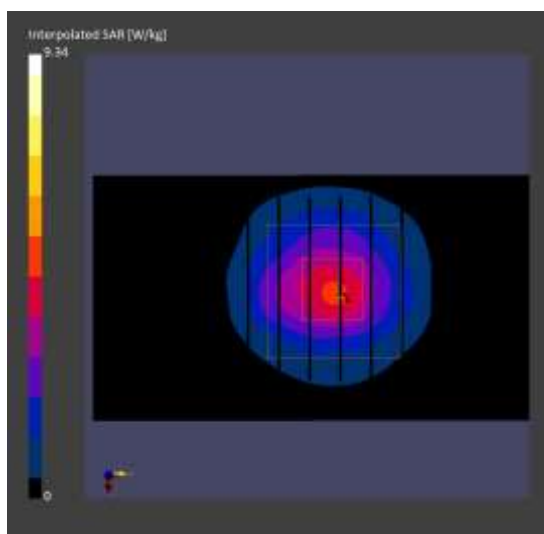
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.33	3.41
psSAR10g [W/Kg]	1.19	1.23
Power Drift [dB]	0.01	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2
 Test Date: 04/19/2025
 Band: NR Band n77 SRS1
 Plot No.: V93
 Measurement Report for Device, , , CW, Channel 0 (3900.000 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--	3900.000, 0	6.81	3.30	37.9

Hardware Setup

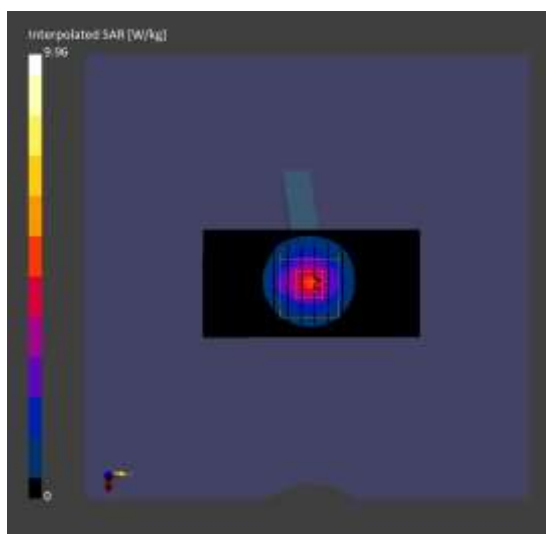
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.56	3.66
psSAR10g [W/Kg]	1.27	1.34
Power Drift [dB]	0.02	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2
 Test Date: 04/20/2025
 Band: NR Band n77 SRS2
 Plot No.: V94
 Measurement Report for Device, , , CW, Channel 0 (3900.000 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--	3900.000, 0	6.81	3.30	37.8

Hardware Setup

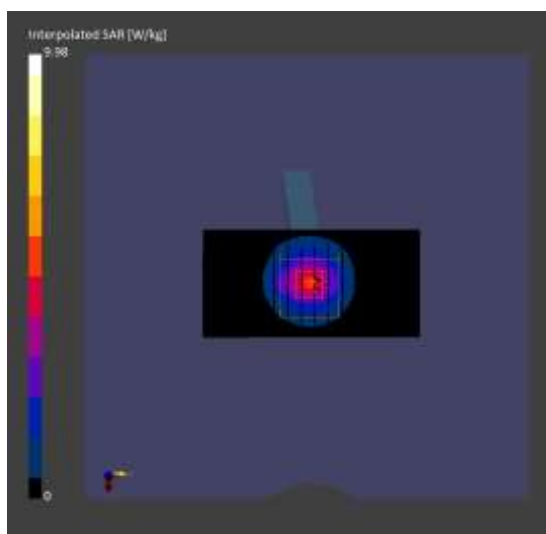
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.56	3.66
psSAR10g [W/Kg]	1.27	1.34
Power Drift [dB]	-0.00	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 04/21/2025
 Band: NR Band n77 SRS3
 Plot No.: V95
 Measurement Report for Device, , , CW, Channel 0 (3900.000 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--	3900.000, 0	6.81	3.30	37.8

Hardware Setup

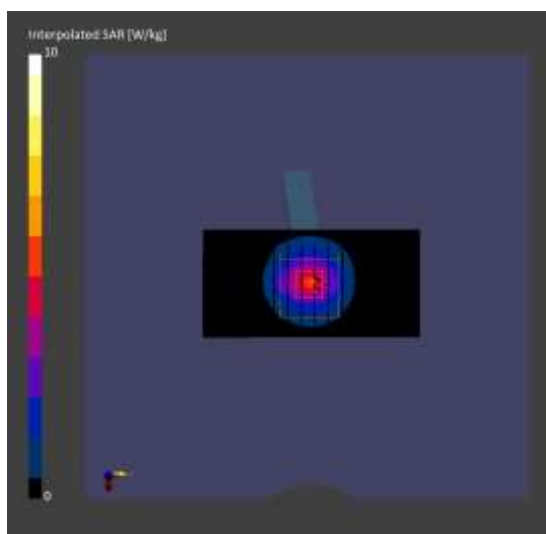
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7679, 2024-08-22	DAE4 Sn1687, 2024-07-12

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]	3.56	3.66
psSAR10g [W/Kg]	1.27	1.34
Power Drift [dB]	-0.01	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 03/16/2025
 Band: WLAN 6E
 Plot No.: V96

Measurement Report for Device, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	100.0 x 100.0 x 172.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

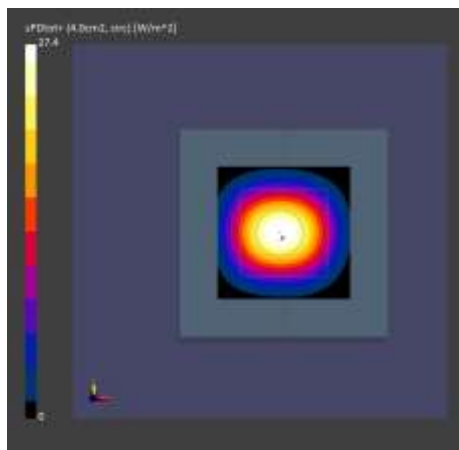
Phantom	Medium Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx Air -	EUmmWV4 - SN9528_F1-55GHz, 2024-05-17	DAE4 Sn868, 2024-09-19

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	26.7
psPDtot+ [W/m ²]	27.4
psPDmod+ [W/m ²]	27.6
E _{max} [V/m]	107
Power Drift [dB]	0.03



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.1
 Test Date: 03/17/2025
 Band: WLAN 6E
 Plot No.: V97

Measurement Report for Device, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

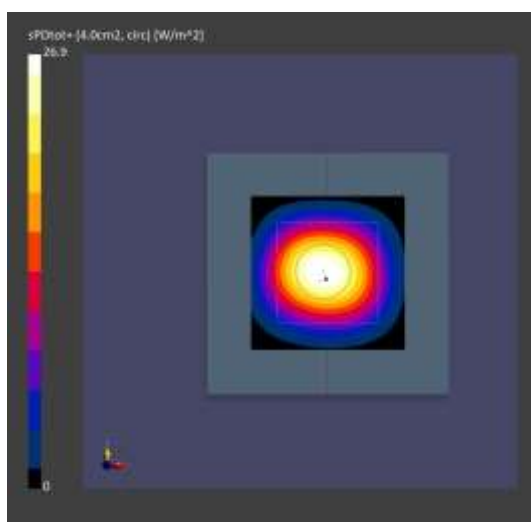
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9528_F1-55GHz, 2024-05-17	DAE4 Sn868, 2024-09-19

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	26.5
psPDtot+ [W/m ²]	26.9
psPDmod+ [W/m ²]	27.1
E _{max} [V/m]	107
Power Drift [dB]	0.05



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2
 Test Date: 03/18/2025
 Band: WLAN 6E
 Plot No.: V98

Measurement Report for Device, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

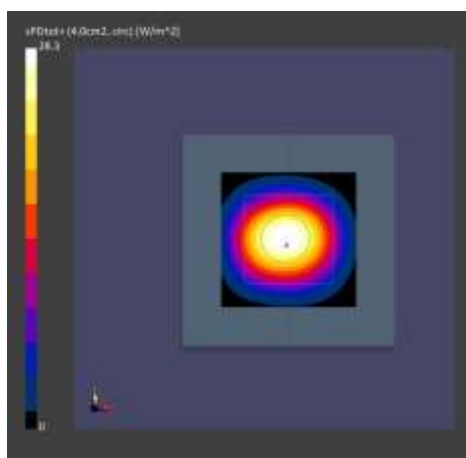
Phantom	Medium Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx Air -	EUmmWV4 - SN9528_F1-55GHz, 2024-05-17	DAE4 Sn868, 2024-09-19

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	27.2
psPDtot+ [W/m ²]	28.3
psPDmod+ [W/m ²]	28.5
E _{max} [V/m]	108
Power Drift [dB]	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.3
 Test Date: 03/19/2025
 Band: WLAN 6E
 Plot No.: V99

Measurement Report for Device, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

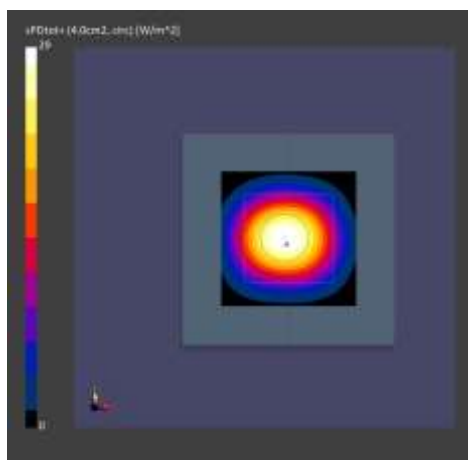
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9528_F1-55GHz, 2024-05-17	DAE4 Sn868, 2024-09-19

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	28.2
psPDtot+ [W/m ²]	29.0
psPDmod+ [W/m ²]	29.2
E _{max} [V/m]	110
Power Drift [dB]	-0.02



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 bactericide 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
10	7679	EX3DV4	Head	750	1014	2024-09-05	41.8	0.91	PASS	PASS	PASS	N/A	N/A	N/A
7	7622	EX3DV4	Head	750	1014	2024-12-04	42.0	0.88	PASS	PASS	PASS	N/A	N/A	N/A
17	7907	EX3DV4	Head	750	1014	2025-01-05	42.1	0.87	PASS	PASS	PASS	N/A	N/A	N/A
15	7732	EX3DV4	Head	750	1014	2024-07-01	42.2	0.91	PASS	PASS	PASS	N/A	N/A	N/A
10	7679	EX3DV4	Head	835	441	2024-09-05	41.6	0.92	PASS	PASS	PASS	N/A	N/A	N/A
10	7679	EX3DV4	Head	835	441	2024-09-05	41.6	0.92	PASS	PASS	PASS	GMSK	PASS	N/A
7	7622	EX3DV4	Head	835	441	2024-12-04	41.6	0.90	PASS	PASS	PASS	N/A	N/A	N/A
7	7622	EX3DV4	Head	835	441	2024-12-04	41.6	0.90	PASS	PASS	PASS	GMSK	PASS	N/A
17	7907	EX3DV4	Head	835	441	2025-01-05	41.6	0.90	PASS	PASS	PASS	N/A	N/A	N/A
15	7732	EX3DV4	Head	835	441	2024-07-01	42.1	0.92	PASS	PASS	PASS	N/A	N/A	N/A
10	7679	EX3DV4	Head	1640	345	2024-09-05	40.1	1.31	PASS	PASS	PASS	GMSK	PASS	N/A
14	7702	EX3DV4	Head	1640	345	2024-07-27	40.0	1.32	PASS	PASS	PASS	N/A	N/A	N/A
10	7679	EX3DV4	Head	1750	2d007	2024-09-05	40.3	1.38	PASS	PASS	PASS	N/A	N/A	N/A
14	7702	EX3DV4	Head	1750	2d007	2024-04-29	40.2	1.39	PASS	PASS	PASS	N/A	N/A	N/A
4	3968	EX3DV4	Head	1750	2d007	2024-11-05	40.1	1.39	PASS	PASS	PASS	N/A	N/A	N/A
10	7679	EX3DV4	Head	1750	2d007	2024-09-05	40.3	1.38	PASS	PASS	PASS	N/A	N/A	N/A
10	7679	EX3DV4	Head	1900	5d061	2025-01-31	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
10	7679	EX3DV4	Head	1900	5d061	2025-01-31	40.1	1.42	PASS	PASS	PASS	GMSK	PASS	N/A
6	7370	EX3DV4	Head	1900	5d061	2025-01-31	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
14	7702	EX3DV4	Head	1900	5d061	2025-01-31	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
4	3968	EX3DV4	Head	1900	5d061	2025-01-31	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
1	3768	EX3DV4	Head	2300	1010	2024-08-21	39.4	1.75	PASS	PASS	PASS	N/A	N/A	N/A
4	3968	EX3DV4	Head	2300	1010	2024-11-05	39.6	1.68	PASS	PASS	PASS	N/A	N/A	N/A
10	7679	EX3DV4	Head	2450	1049	2024-09-05	39.3	1.82	PASS	PASS	PASS	OFDM	N/A	PASS
4	3968	EX3DV4	Head	2450	1049	2024-11-05	39.5	1.82	PASS	PASS	PASS	OFDM	N/A	PASS
1	3768	EX3DV4	Head	2600	1015	2024-08-21	38.8	1.94	PASS	PASS	PASS	N/A	N/A	N/A
1	3768	EX3DV4	Head	2600	1015	2024-08-21	38.8	1.94	PASS	PASS	PASS	TDD	PASS	N/A
4	3968	EX3DV4	Head	2600	1015	2024-11-05	39.3	1.95	PASS	PASS	PASS	N/A	N/A	N/A
4	3968	EX3DV4	Head	2600	1015	2024-11-05	39.3	1.95	PASS	PASS	PASS	TDD	PASS	N/A
15	7732	EX3DV4	Head	2600	1015	2024-07-01	38.9	1.97	PASS	PASS	PASS	N/A	N/A	N/A
7	7622	EX3DV4	Head	3500	1040	2025-01-27	37.8	2.92	PASS	PASS	PASS	TDD	PASS	N/A
7	7622	EX3DV4	Head	3500	1040	2025-01-27	37.8	2.92	PASS	PASS	PASS	N/A	N/A	N/A
10	7679	EX3DV4	Head	3500	1040	2025-01-24	37.6	2.93	PASS	PASS	PASS	N/A	N/A	N/A
8	7654	EX3DV4	Head	3500	1040	2025-01-24	37.6	2.93	PASS	PASS	PASS	N/A	N/A	N/A
7	7622	EX3DV4	Head	3700	1105	2024-12-04	37.8	3.12	PASS	PASS	PASS	TDD	PASS	N/A
10	7679	EX3DV4	Head	3700	1105	2024-09-29	37.6	3.14	PASS	PASS	PASS	N/A	N/A	N/A
8	7654	EX3DV4	Head	3700	1105	2024-09-30	38.0	3.15	PASS	PASS	PASS	N/A	N/A	N/A
10	7679	EX3DV4	Head	3900	1086	2024-09-05	37.3	3.31	PASS	PASS	PASS	N/A	N/A	N/A

SAR System Validation Summary 1g

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
10	7679	EX3DV4	Head	5250	1107	2024-09-05	35.9	4.68	PASS	PASS	PASS	OFDM	N/A	PASS
10	7679	EX3DV4	Head	5600	1107	2024-09-05	35.6	5.10	PASS	PASS	PASS	OFDM	N/A	PASS
10	7679	EX3DV4	Head	5750	1107	2024-09-05	35.2	5.25	PASS	PASS	PASS	OFDM	N/A	PASS
10	7679	EX3DV4	Head	5800	1107	2024-09-05	35.1	5.26	PASS	PASS	PASS	OFDM	N/A	PASS
10	7679	EX3DV4	Head	6500	1012	2024-09-29	34.6	6.01	PASS	PASS	PASS	OFDM	N/A	PASS

SAR System Validation Summary 1g

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
5	3076	ES3DV3	Head	13	1016	2024-11-27	55.2	0.76	PASS	PASS	PASS	N/A	N/A	N/A

SAR System Validation Summary 10g

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.