

Appendix C. – Dipole Verification Plots

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.3 °C
 Test Date: 12/01/2025
 Band: LTE Band 12_Ant.A
 Plot No.: V1

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 750 \text{ MHz}$; $\sigma = 0.894 \text{ S/m}$; $\epsilon_r = 42.98$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(10.06, 9.54, 10.08) @ 750 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

750MHz Head Verification/Area Scan (6x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.473 W/kg

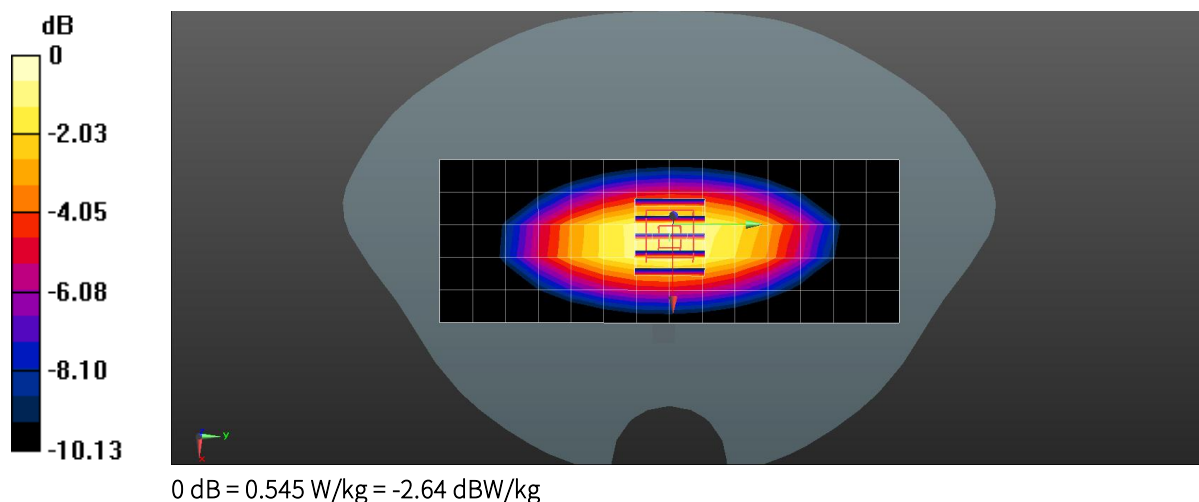
750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.36 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.599 W/kg

SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 0.545 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.9 °C
 Test Date: 11/18/2025
 Band: LTE Band 13_Ant.A
 Plot No.: V2

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 750 \text{ MHz}$; $\sigma = 0.892 \text{ S/m}$; $\epsilon_r = 43.16$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(10.06, 9.54, 10.08) @ 750 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

750MHz Head Verification/Area Scan (6x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.472 W/kg

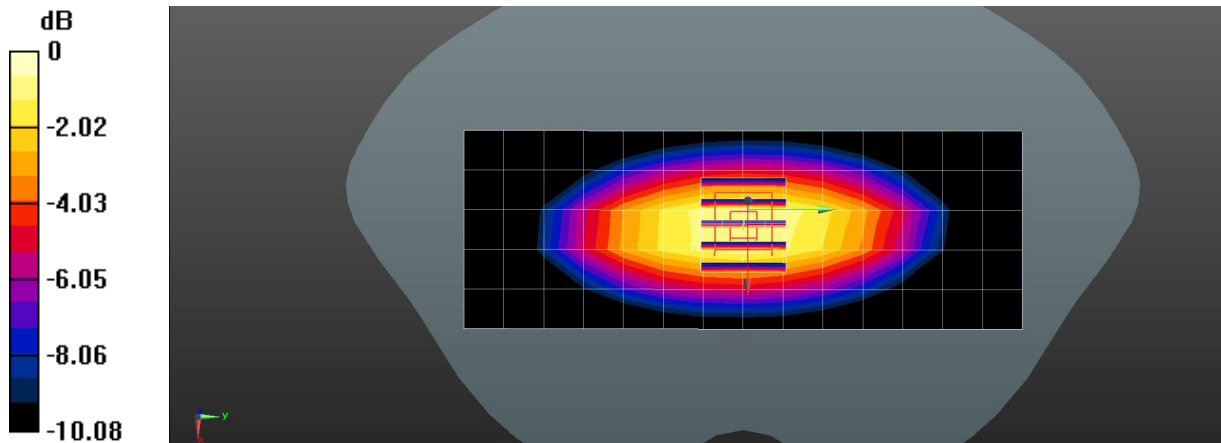
750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.36 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.603 W/kg

SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 0.548 W/kg



0 dB = 0.548 W/kg = -2.61 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.8 °C
 Test Date: 12/03/2025
 Band: LTE Band 26_Ant.A
 Plot No.: V3

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 0.933 \text{ S/m}$; $\epsilon_r = 42.599$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(9.8, 9.29, 9.82) @ 835 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

835MHz Head Verification/Area Scan (6x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.567 W/kg

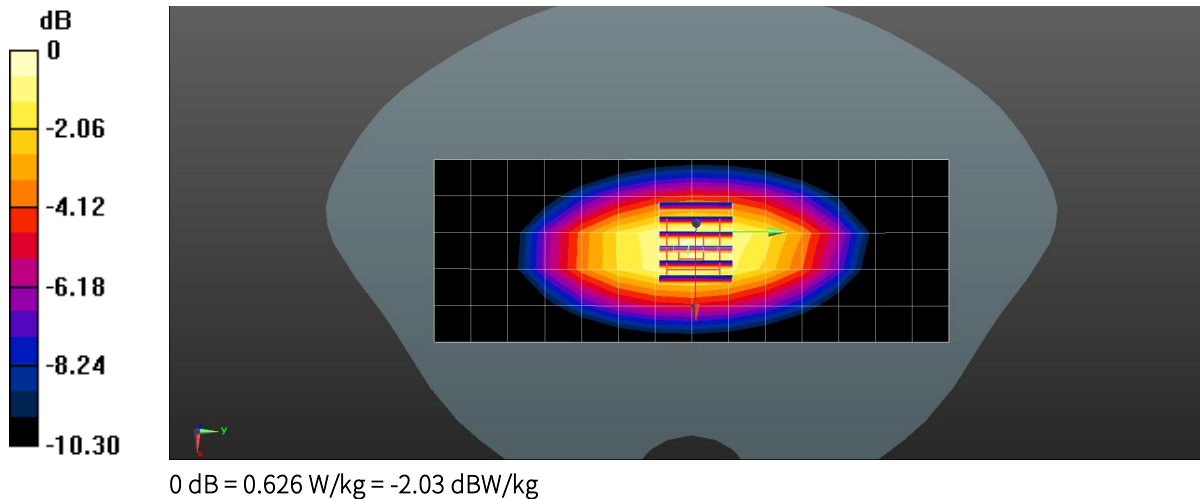
835MHz Head Verification/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=6\text{mm}$, $dy=6\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.80 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.705 W/kg

SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.324 W/kg

Maximum value of SAR (measured) = 0.626 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.8 °C
 Test Date: 11/29/2025
 Band: GSM850_Ant.A
 Plot No.: V4

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 0.932 \text{ S/m}$; $\epsilon_r = 42.56$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(9.8, 9.29, 9.82) @ 835 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

835MHz Head Verification/Area Scan (6x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.557 W/kg

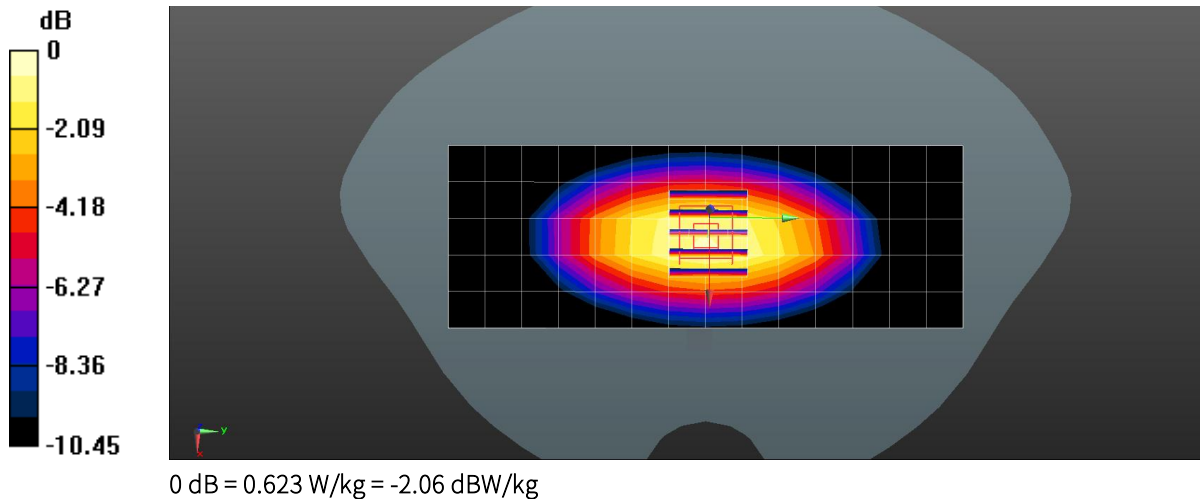
835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.36 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.689 W/kg

SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.319 W/kg

Maximum value of SAR (measured) = 0.623 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.6 °C
 Test Date: 12/22/2025
 Band: UMTS 5_Ant.A_Head
 Plot No.: V5

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 0.935 \text{ S/m}$; $\epsilon_r = 42.644$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(9.8, 9.29, 9.82) @ 835 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

835MHz Head Verification/Area Scan (6x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.577 W/kg

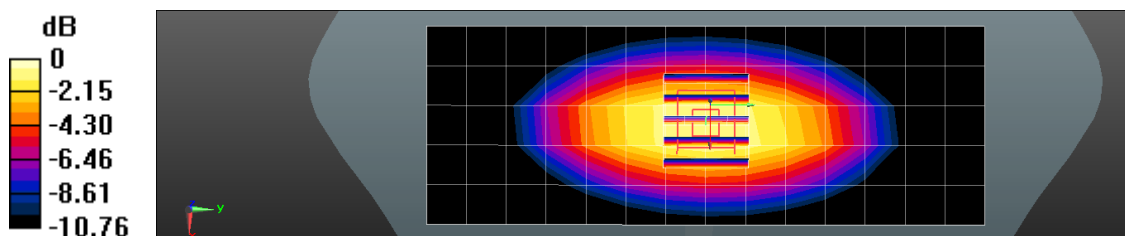
835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.55 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.753 W/kg

SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.338 W/kg

Maximum value of SAR (measured) = 0.682 W/kg



0 dB = 0.682 W/kg = -1.66 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.6 °C
 Test Date: 11/30/2025
 Band: UMTS 5_Ant.A_Bodyworn/Hotspot
 Plot No.: V6

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 0.933 \text{ S/m}$; $\epsilon_r = 42.582$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(9.8, 9.29, 9.82) @ 835 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

835MHz Head Verification/Area Scan (6x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.571 W/kg

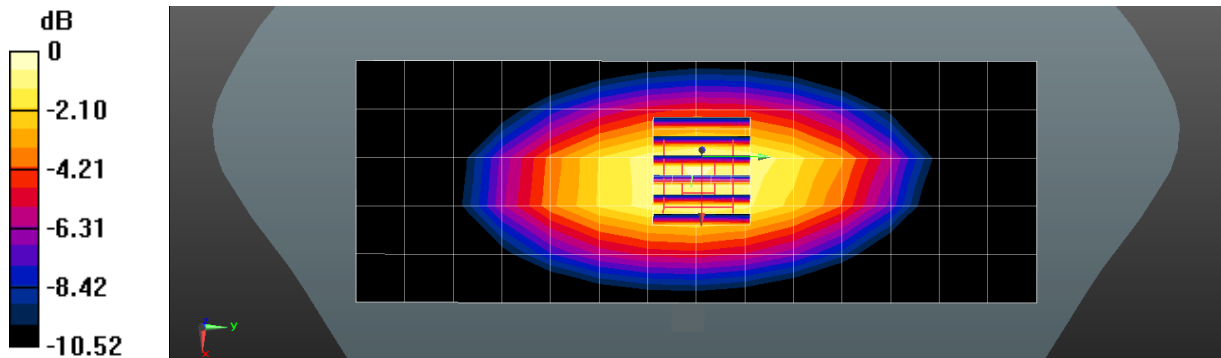
835MHz Head Verification/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=6\text{mm}$, $dy=6\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.17 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.732 W/kg

SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.325 W/kg

Maximum value of SAR (measured) = 0.645 W/kg



0 dB = 0.645 W/kg = -1.90 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.4 °C
 Test Date: 11/20/2025
 Band: UMTS Band 4_Ant.B
 Plot No.: V7
 Measurement Report for Device, , , CW, Channel 0 (1800.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1800.000, 0	7.96	1.36	39.8

Hardware Setup

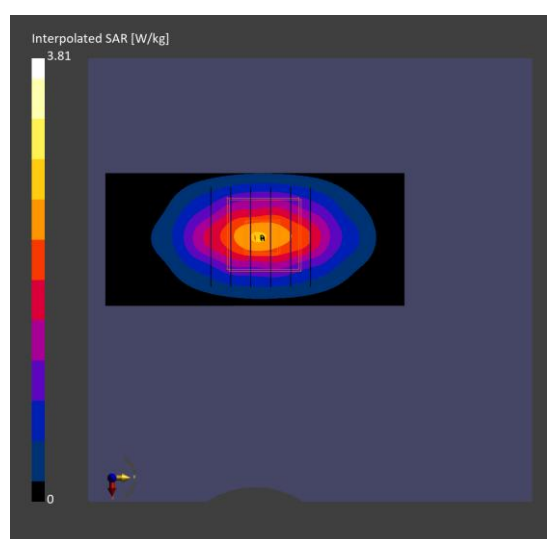
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt)	EX3DV4 - SN3797, 2025-01-21	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.05	2.05
psSAR8g [W/Kg]	1.15	1.15
psSAR10g [W/Kg]	1.06	1.06
Power Drift [dB]	0.00	-0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.7 °C
 Test Date: 11/20/2025
 Band: LTE B66_Ant.B
 Plot No.: V8

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1800 \text{ MHz}$; $\sigma = 1.38 \text{ S/m}$; $\epsilon_r = 40.205$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3797; ConvF(7.96, 7.69, 7.67) @ 1800 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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)

1800MHz Head Verification/Area Scan (5x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.62 W/kg

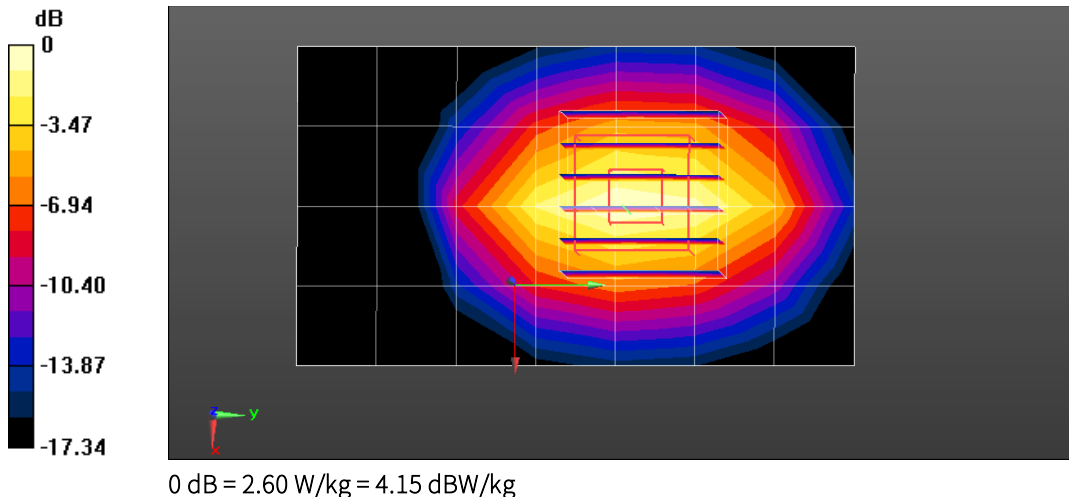
1800MHz Head Verification/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=6\text{mm}$, $dy=6\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.71 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.22 W/kg

SAR(1 g) = 1.77 W/kg; SAR(10 g) = 0.932 W/kg

Maximum value of SAR (measured) = 2.60 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.6 °C
 Test Date: 12/01/2025
 Band: LTE Band 66 Ant.F
 Plot No.: V9
 Measurement Report for Device, , , CW, Channel 0 (1800.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0	1800.000, 0	7.43	1.38	39.9

Hardware Setup

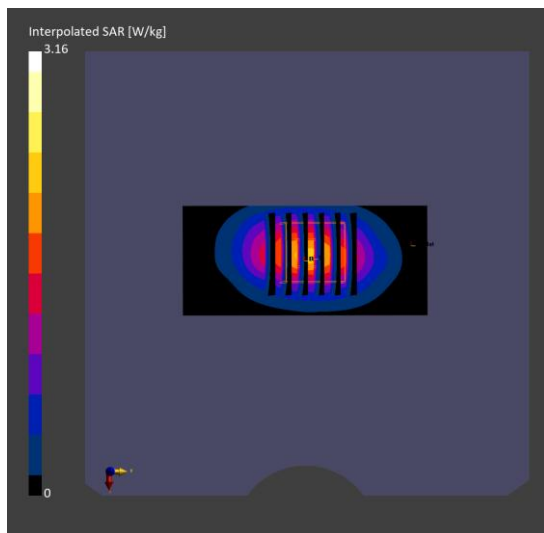
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt)	EX3DV4 - SN3903, 2025-07-23	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.78	1.79
psSAR10g [W/Kg]	0.954	0.953
Power Drift [dB]	0.01	-0.00



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.5 °C
 Test Date: 11/21/2025
 Band: UMTS Band 2_Ant.B
 Plot No.: V10
 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	7.53	1.41	39.8

Hardware Setup

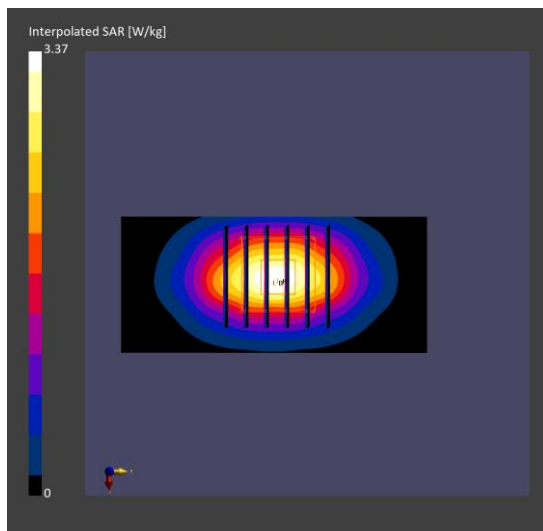
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt)	EX3DV4 - SN3797, 2025-01-21	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.91	1.92
psSAR10g [W/Kg]	1.00	1.01
Power Drift [dB]	0.00	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.1 °C
 Test Date: 11/24/2025
 Band: GSM1900_Ant.B
 Plot No.: V11
 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	7.53	1.44	39.6

Hardware Setup

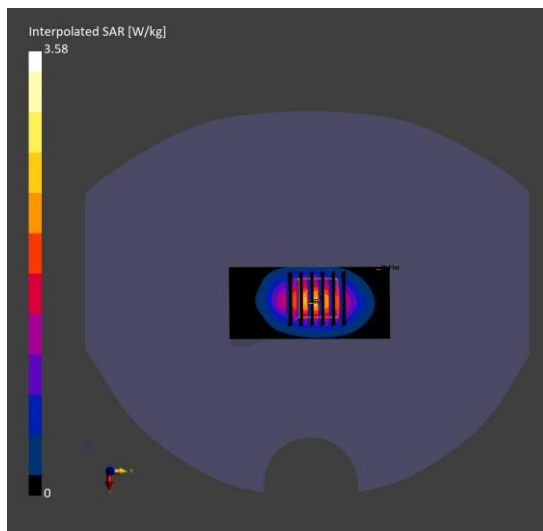
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt)	EX3DV4 - SN3797, 2025-01-21	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.01	2.01
psSAR10g [W/Kg]	1.05	1.04
Power Drift [dB]	0.01	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.1 °C
 Test Date: 11/19/2025
 Band: LTE B25_Ant.B
 Plot No.: V12

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.445$ S/m; $\epsilon_r = 39.906$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3797; ConvF(7.53, 7.27, 7.25) @ 1900 MHz; Calibrated: 2025-01-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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)

1900MHz Head Verification/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.10 W/kg

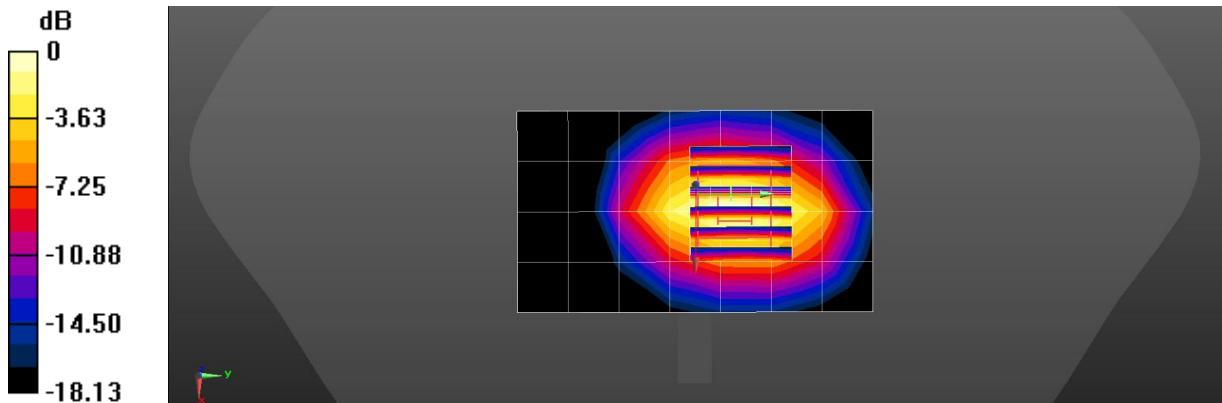
1900MHz Head Verification/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=6mm, dy=6mm, dz=5mm

Reference Value = 44.94 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.84 W/kg

SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.08 W/kg

Maximum value of SAR (measured) = 3.11 W/kg



0 dB = 3.11 W/kg = 4.93 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.8 °C
 Test Date: 11/28/2025
 Band: LTE Band 25_Ant.F
 Plot No.: V13
 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	7.24	1.41	39.9

Hardware Setup

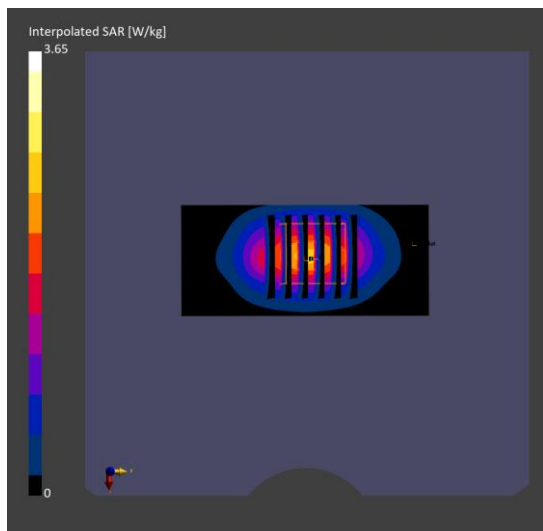
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt)	EX3DV4 - SN3903, 2025-07-23	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.04	2.05
psSAR10g [W/Kg]	1.07	1.07
Power Drift [dB]	-0.01	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.1 °C
 Test Date: 12/06/2025
 Band: WLAN 2.4G SISO
 Plot No.: V14

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.833$ S/m; $\epsilon_r = 39.068$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(7.52, 7.13, 7.53) @ 2450 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2450MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.79 W/kg

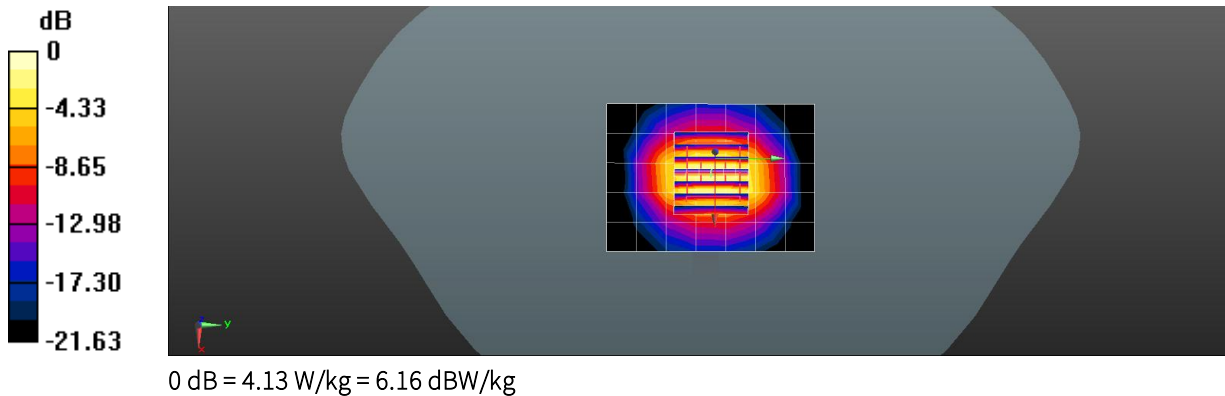
2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.58 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 4.97 W/kg

SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.19 W/kg

Maximum value of SAR (measured) = 4.13 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.5 °C
 Test Date: 12/07/2025
 Band: WLAN 2.4G MIMO
 Plot No.: V15

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.835$ S/m; $\epsilon_r = 39.218$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(7.52, 7.13, 7.53) @ 2450 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2450MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.84 W/kg

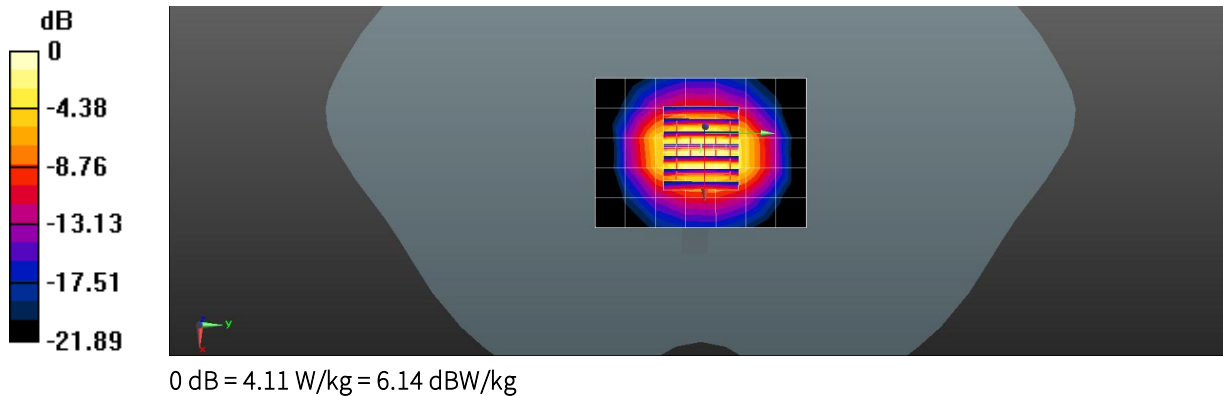
2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.19 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.95 W/kg

SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.19 W/kg

Maximum value of SAR (measured) = 4.11 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 23.3 °C
 Test Date: 12/08/2025
 Band: Bluetooth
 Plot No.: V16

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.827$ S/m; $\epsilon_r = 39.282$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(7.52, 7.13, 7.53) @ 2450 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2450MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 3.50 W/kg

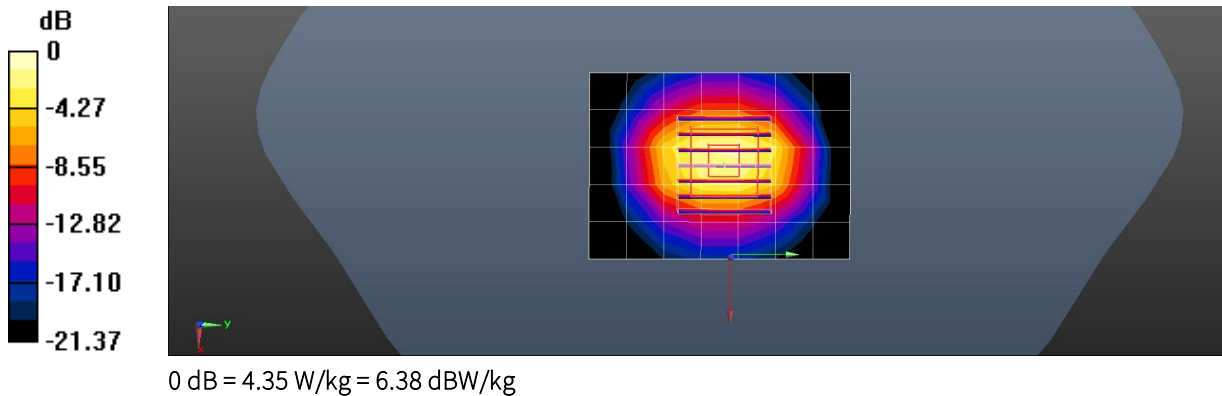
2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.68 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 5.22 W/kg

SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.26 W/kg

Maximum value of SAR (measured) = 4.35 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.8 °C
 Test Date: 12/09/2025
 Band: Bluetooth LE
 Plot No.: V17

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.825$ S/m; $\epsilon_r = 39.211$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(7.52, 7.13, 7.53) @ 2450 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- Phantom: SAM_Right_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2450MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 3.35 W/kg

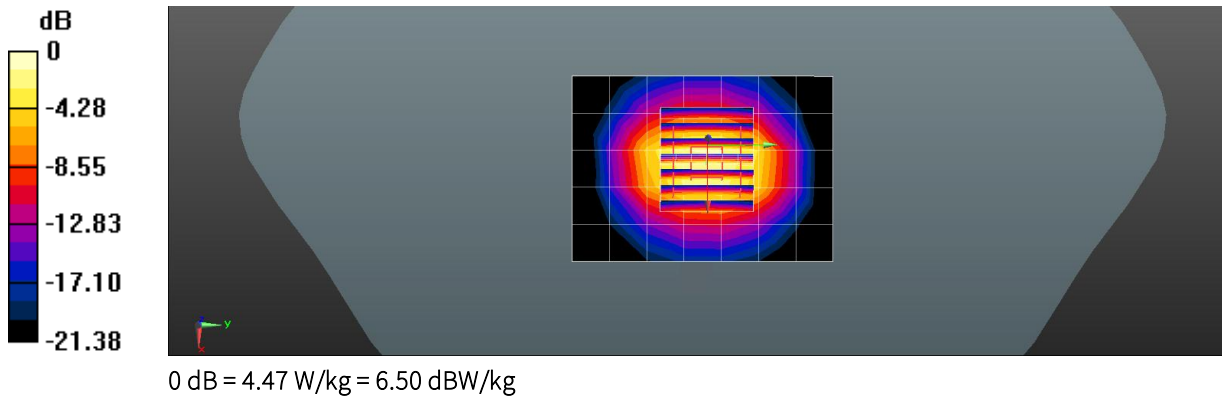
2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.67 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 5.35 W/kg

SAR(1 g) = 2.73 W/kg; SAR(10 g) = 1.28 W/kg

Maximum value of SAR (measured) = 4.47 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.3 °C
 Test Date: 12/02/2025
 Band: LTE Band 41_Ant.B
 Plot No.: V18

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 39.053$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(7.71, 7.31, 7.73) @ 2600 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- 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) = 3.25 W/kg

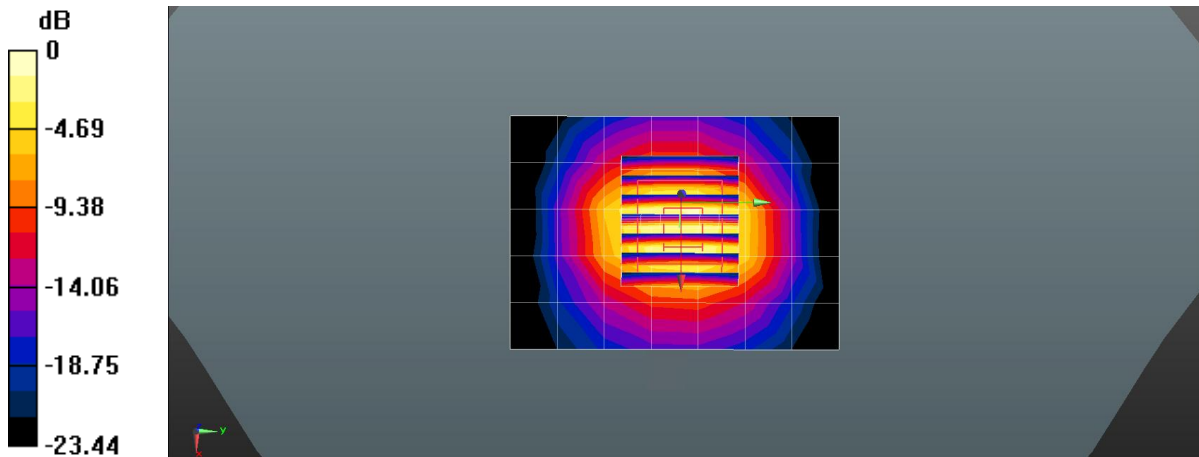
2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.00 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 5.61 W/kg

SAR(1 g) = 2.7 W/kg; SAR(10 g) = 1.21 W/kg

Maximum value of SAR (measured) = 4.55 W/kg



0 dB = 4.55 W/kg = 6.58 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.0 °C
 Test Date: 11/21/2025
 Band: UNII 1&2A
 Plot No.: V19

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.761$ S/m; $\epsilon_r = 35.124$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7654; ConvF(6.23, 6.17, 6.58) @ 5250 MHz; Calibrated: 2025-06-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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)

5250MHz Head Verification/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 7.81 W/kg

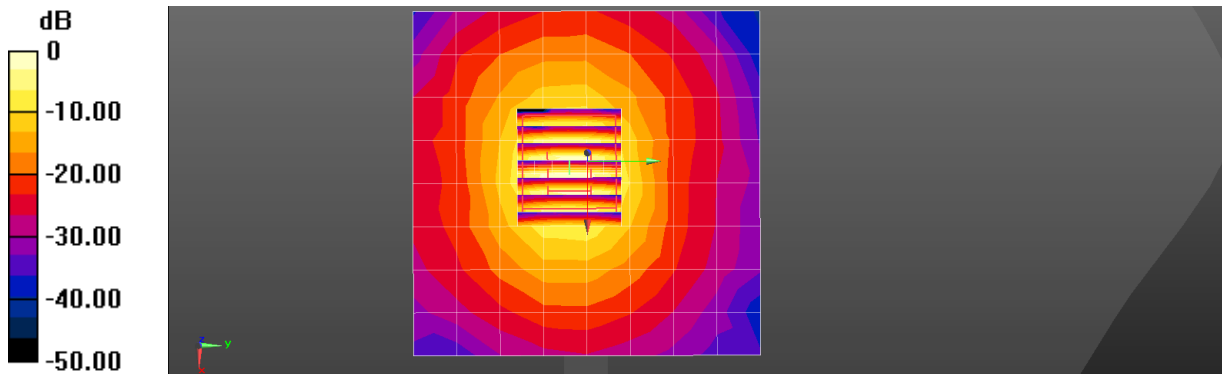
5250MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.01 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 3.87 W/kg; SAR(10 g) = 1.1 W/kg

Maximum value of SAR (measured) = 10.1 W/kg



0 dB = 10.1 W/kg = 10.04 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.0 °C
 Test Date: 11/22/2025
 Band: UNII 2C
 Plot No.: V20

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 5600$ MHz; $\sigma = 5.146$ S/m; $\epsilon_r = 34.761$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7654; ConvF(5.69, 5.63, 6.01) @ 5600 MHz; Calibrated: 2025-06-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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)

5600MHz Head Verification/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 8.65 W/kg

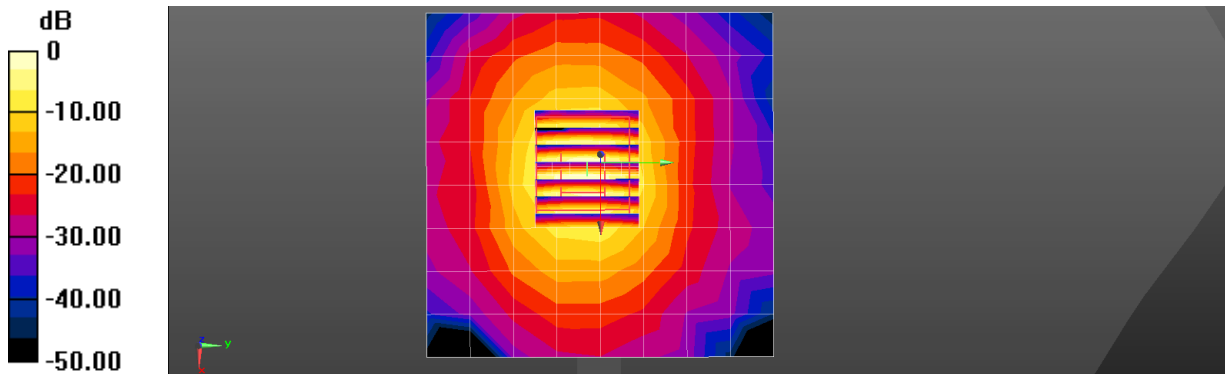
5600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.19 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 19.7 W/kg

SAR(1 g) = 4.2 W/kg; SAR(10 g) = 1.17 W/kg

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



0 dB = 11.0 W/kg = 10.41 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.7 °C
 Test Date: 11/23/2025
 Band: UNII 3
 Plot No.: V21

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5750 \text{ MHz}$; $\sigma = 5.353 \text{ S/m}$; $\epsilon_r = 34.389$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7654; ConvF(5.72, 5.66, 6.04) @ 5750 MHz; Calibrated: 2025-06-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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)

5750MHz Head Verification/Area Scan (9x9x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 7.71 W/kg

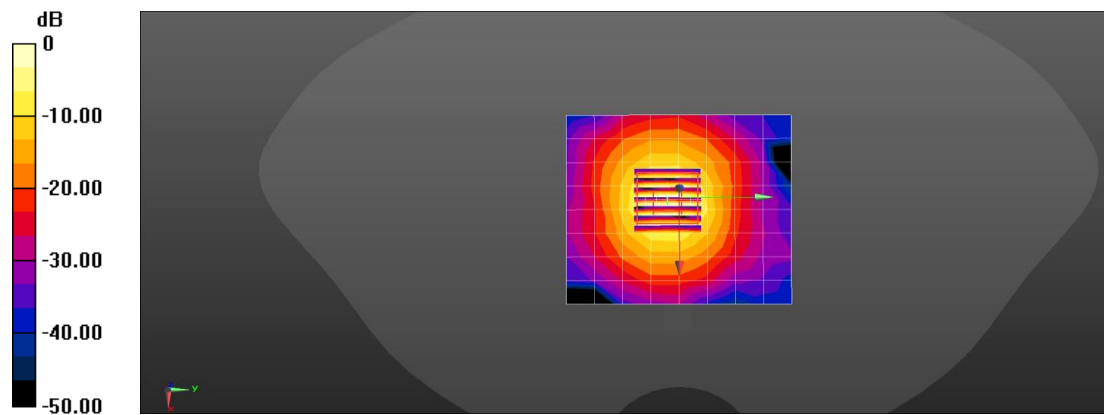
5750MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 40.02 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 18.6 W/kg

SAR(1 g) = 3.74 W/kg; SAR(10 g) = 1.04 W/kg

Maximum value of SAR (measured) = 10.1 W/kg



0 dB = 10.1 W/kg = 10.04 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.6 °C
 Test Date: 11/24/2025
 Band: UNII 4
 Plot No.: V22

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.299 \text{ S/m}$; $\epsilon_r = 34.607$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7654; ConvF(5.6, 5.54, 5.91) @ 5800 MHz; Calibrated: 2025-06-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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)

5800MHz Head Verification/Area Scan (9x9x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 8.05 W/kg

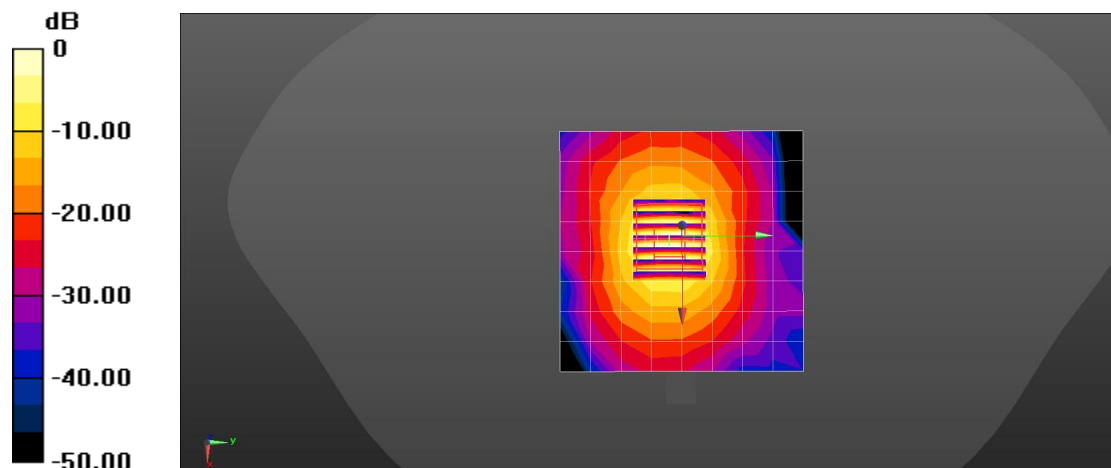
5800MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 41.21 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 20.0 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 1.11 W/kg

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



0 dB = 10.7 W/kg = 10.29 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2 °C
 Test Date: 12/04/2025
 Band: NR Band n5_Ant.A
 Plot No.: V23

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 42.532$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(9.8, 9.29, 9.82) @ 835 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

835MHz Head Verification/Area Scan (6x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.563 W/kg

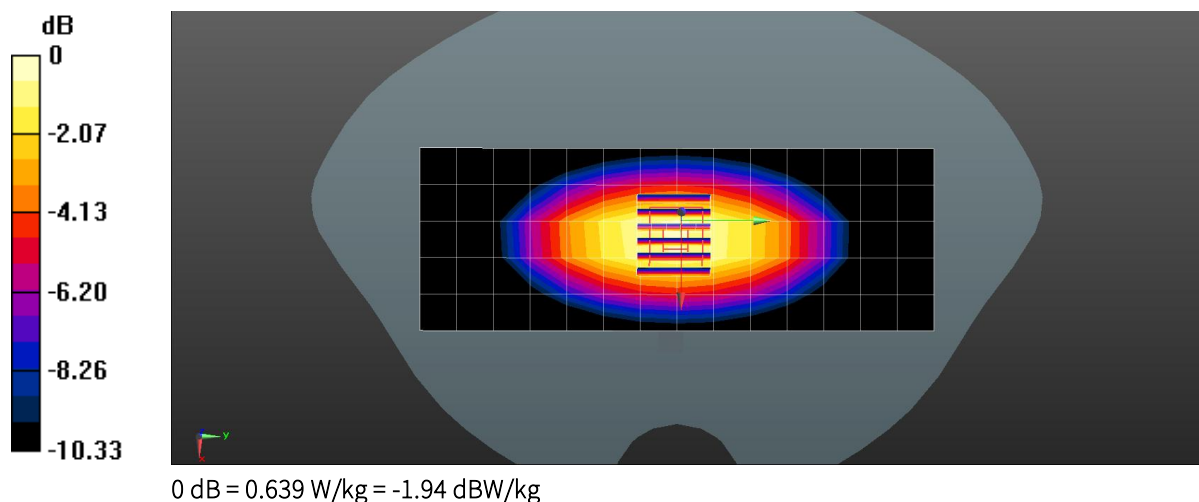
835MHz Head Verification/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=6\text{mm}$, $dy=6\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.21 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.723 W/kg

SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.330 W/kg

Maximum value of SAR (measured) = 0.639 W/kg



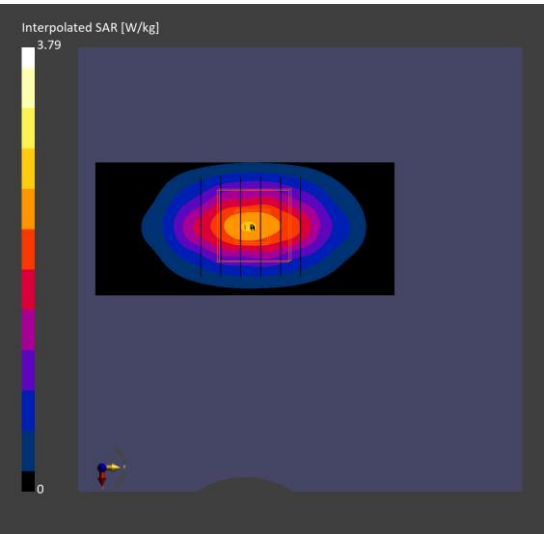
Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.8 °C
 Test Date: 11/25/2025
 Band: NR Band n66_Ant.B
 Plot No.: V24
 Measurement Report for Device, , , CW, Channel 0 (1800.000 MHz)

Exposure Conditions							
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1800.000, 0	7.96	1.35	40.4

Hardware Setup		
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3797, 2025-01-21	DAE4 Sn1417, 2025-02-18

Scans Setup		
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results		
	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.04	2.04
psSAR10g [W/Kg]	1.05	1.05
Power Drift [dB]	0.01	0.02



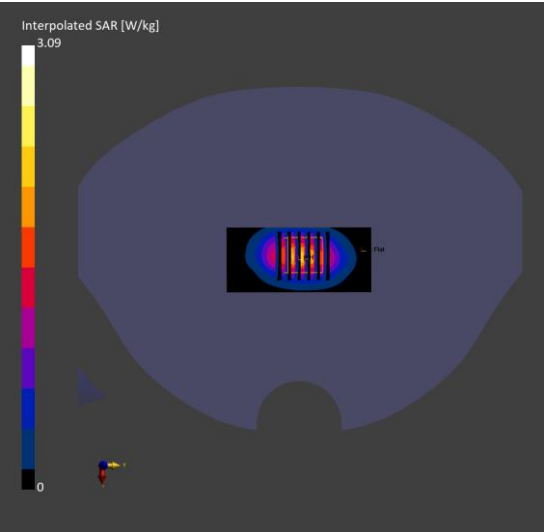
Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.6 °C
Test Date: 12/09/2025
Band: NR Band n66_Ant.F
Plot No.: V25
Measurement Report for Device, , , CW, Channel 0 (1800.000 MHz)

Exposure Conditions							
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0	1800.000, 0	7.43	1.36	40.0

Hardware Setup		
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3903, 2025-07-23	DAE4 Sn1417, 2025-02-18

Scans Setup		
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results		
	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.77	1.76
psSAR10g [W/Kg]	0.946	0.938
Power Drift [dB]	-0.11	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.2 °C
 Test Date: 11/19/2025
 Band: NR Band n41_Ant.B
 Plot No.: V26

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 39.22$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(7.71, 7.31, 7.73) @ 2600 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- 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) = 3.19 W/kg

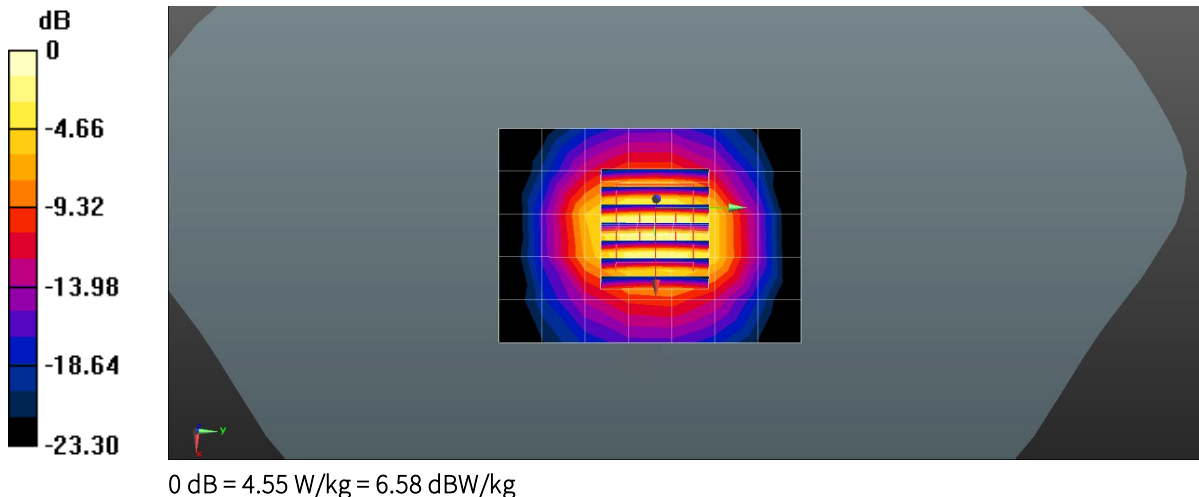
2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.41 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 5.58 W/kg

SAR(1 g) = 2.71 W/kg; SAR(10 g) = 1.22 W/kg

Maximum value of SAR (measured) = 4.55 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.8 °C
 Test Date: 12/10/2025
 Band: NR Band n41_Ant.F
 Plot No.: V27

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 39.169$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(7.71, 7.31, 7.73) @ 2600 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- 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) = 3.30 W/kg

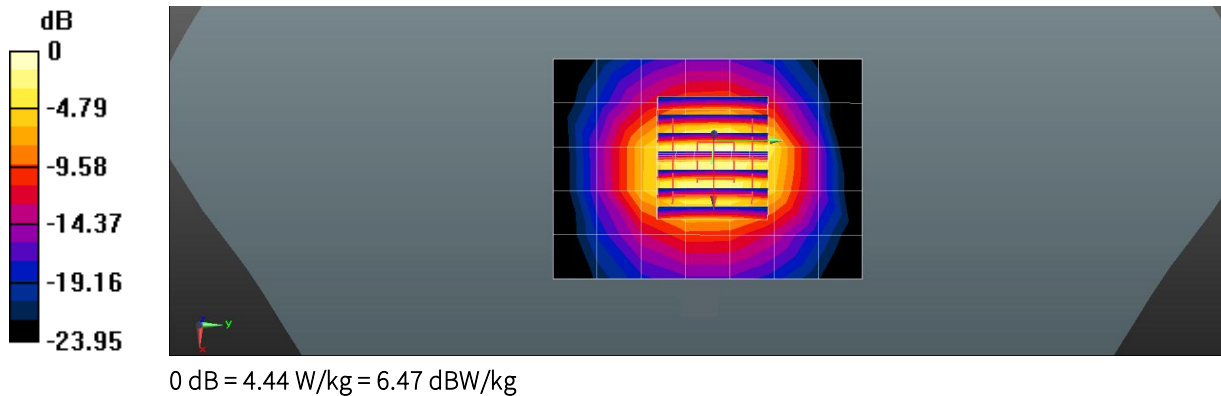
2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.67 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.44 W/kg

SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.18 W/kg

Maximum value of SAR (measured) = 4.44 W/kg



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.2 °C
 Test Date: 12/11/2025
 Band: NR Band n41_Ant.H
 Plot No.: V28

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 2.002$ S/m; $\epsilon_r = 38.992$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(7.71, 7.31, 7.73) @ 2600 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- 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) = 3.26 W/kg

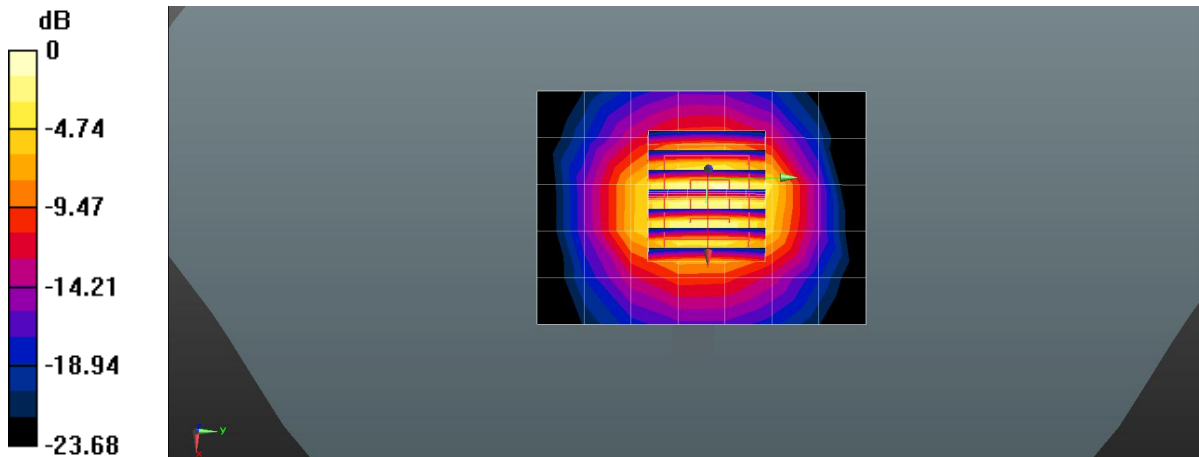
2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.66 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.44 W/kg

SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.17 W/kg

Maximum value of SAR (measured) = 4.43 W/kg



0 dB = 4.43 W/kg = 6.46 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.4 °C
 Test Date: 12/13/2025
 Band: NR Band n41_Ant.E
 Plot No.: V29

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 38.975$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7732; ConvF(7.71, 7.31, 7.73) @ 2600 MHz; Calibrated: 2025-06-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2025-09-16
- 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) = 3.29 W/kg

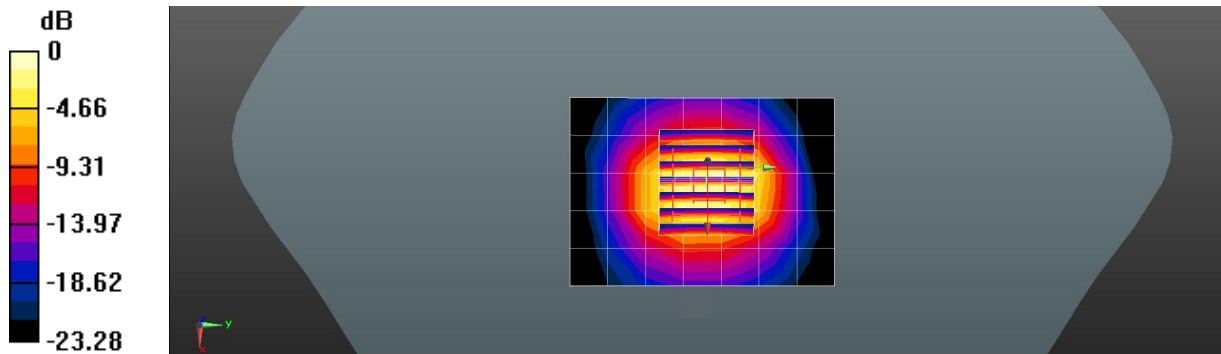
2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.64 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.43 W/kg

SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.17 W/kg

Maximum value of SAR (measured) = 4.43 W/kg



0 dB = 4.43 W/kg = 6.46 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.3 °C
 Test Date: 12/02/2025
 Band: NR n77_Ant.G
 Plot No.: V30

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 3500$ MHz; $\sigma = 2.924$ S/m; $\epsilon_r = 38.498$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7654; ConvF(7.39, 7.32, 7.81) @ 3500 MHz; Calibrated: 2025-06-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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 (6x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 4.97 W/kg

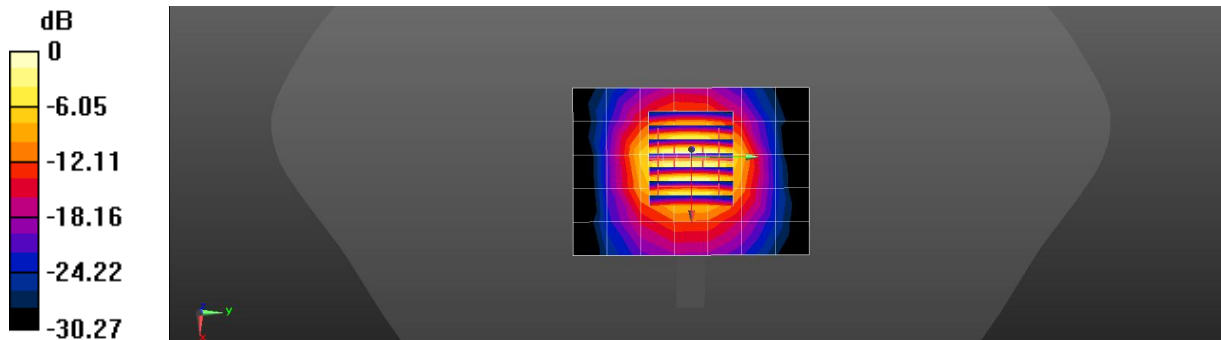
3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 46.59 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 8.78 W/kg

SAR(1 g) = 3.35 W/kg; SAR(10 g) = 1.26 W/kg

Maximum value of SAR (measured) = 6.51 W/kg



0 dB = 6.51 W/kg = 8.14 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.3 °C
 Test Date: 12/02/2025
 Band: NR n77_Ant.G
 Plot No.: V31

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 3700$ MHz; $\sigma = 3.102$ S/m; $\epsilon_r = 38.401$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7654; ConvF(7.28, 7.21, 7.69) @ 3700 MHz; Calibrated: 2025-06-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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 (6x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 5.70 W/kg

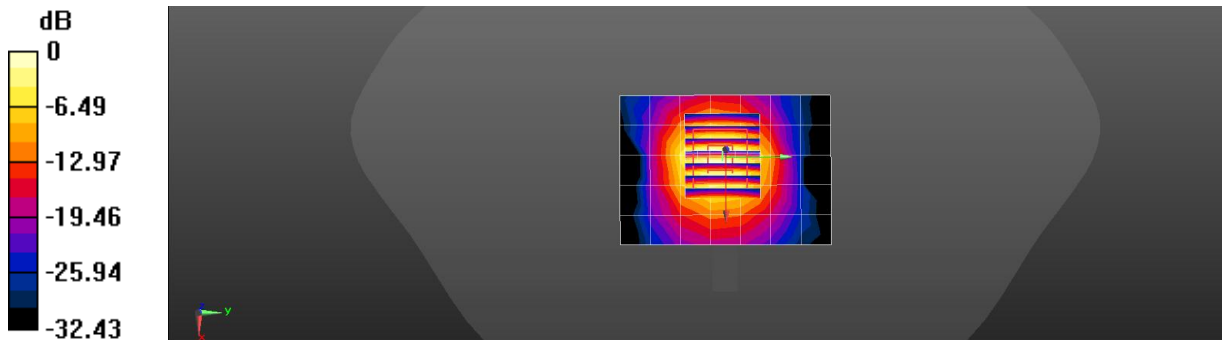
3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 44.80 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 8.34 W/kg

SAR(1 g) = 3.19 W/kg; SAR(10 g) = 1.19 W/kg

Maximum value of SAR (measured) = 6.10 W/kg



0 dB = 6.10 W/kg = 7.85 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.3 °C
 Test Date: 12/02/2025
 Band: NR n77_Ant.G
 Plot No.: V32

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 3900$ MHz; $\sigma = 3.312$ S/m; $\epsilon_r = 38.138$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7654; ConvF(7.17, 7.1, 7.58) @ 3900 MHz; Calibrated: 2025-06-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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)

3900MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 5.87 W/kg

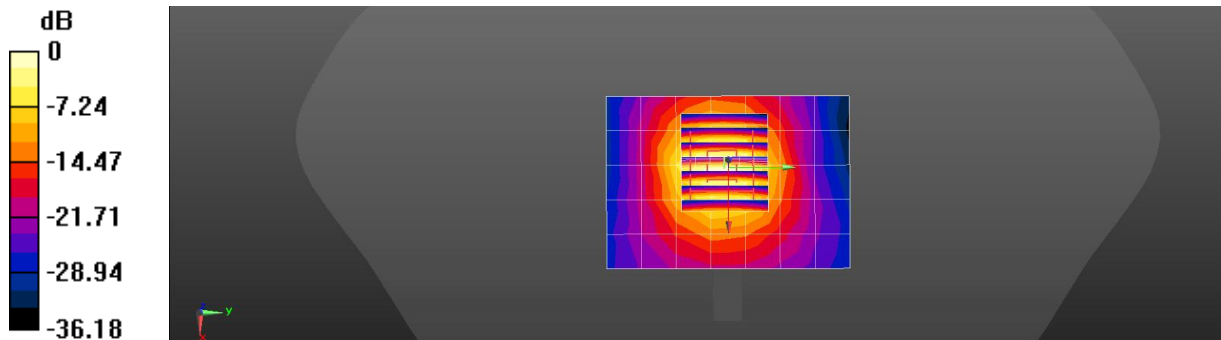
3900MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 41.69 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 9.05 W/kg

SAR(1 g) = 3.19 W/kg; SAR(10 g) = 1.12 W/kg

Maximum value of SAR (measured) = 6.56 W/kg



0 dB = 6.56 W/kg = 8.17 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.3 °C
 Test Date: 12/10/2025
 Band: NFC
 Plot No.: V33
 Measurement Report for Device, , , CW, Channel 0 (13.000 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	13.000, 0	5.47	0.735	54.1

Hardware Setup

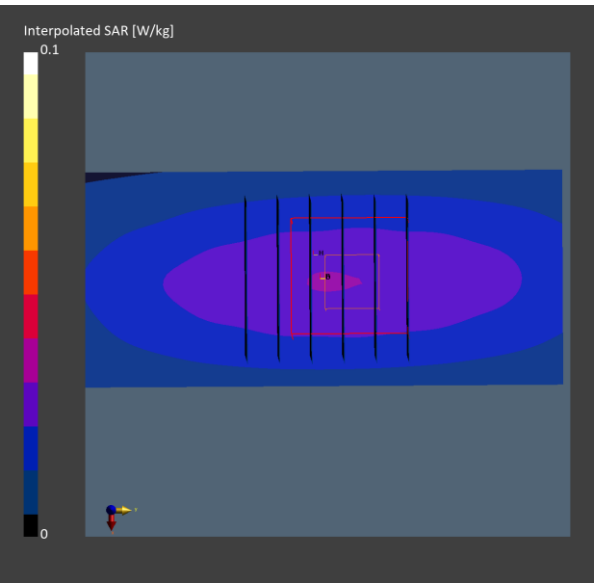
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - xxxx	ES3DV3 - SN3076, 2025-07-22	DAE4 Sn1720, 2025-04-23

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	3.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.031	0.028
psSAR10g [W/Kg]	0.025	0.017
Power Drift [dB]	-0.01	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.0 °C
 Test Date: 11/21/2025
 Band: UNII 1&2A
 Plot No.: V34

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.761$ S/m; $\epsilon_r = 35.124$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7654; ConvF(6.23, 6.17, 6.58) @ 5250 MHz; Calibrated: 2025-06-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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)

5250MHz Head Verification/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 7.81 W/kg

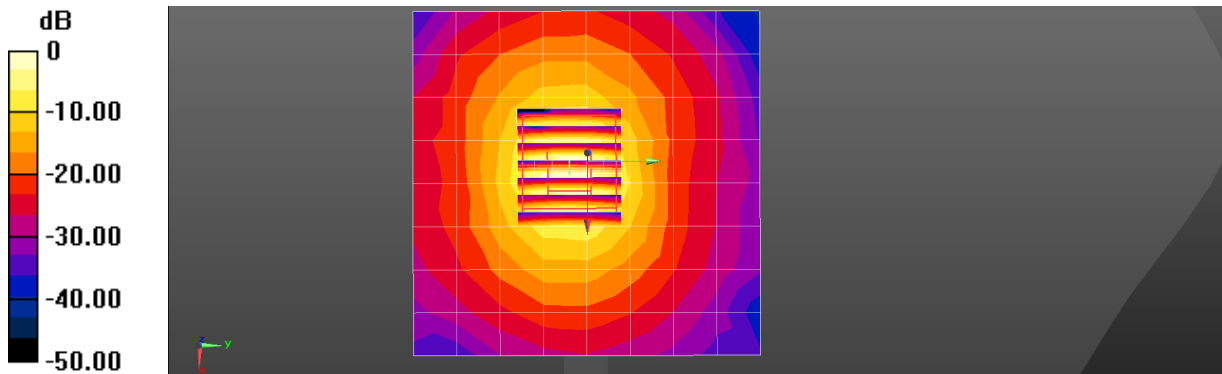
5250MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.01 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 3.87 W/kg; SAR(10 g) = 1.1 W/kg

Maximum value of SAR (measured) = 10.1 W/kg



0 dB = 10.1 W/kg = 10.04 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.0 °C
 Test Date: 11/22/2025
 Band: UNII 2C
 Plot No.: V35

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 5600$ MHz; $\sigma = 5.146$ S/m; $\epsilon_r = 34.761$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7654; ConvF(5.69, 5.63, 6.01) @ 5600 MHz; Calibrated: 2025-06-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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)

5600MHz Head Verification/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 8.65 W/kg

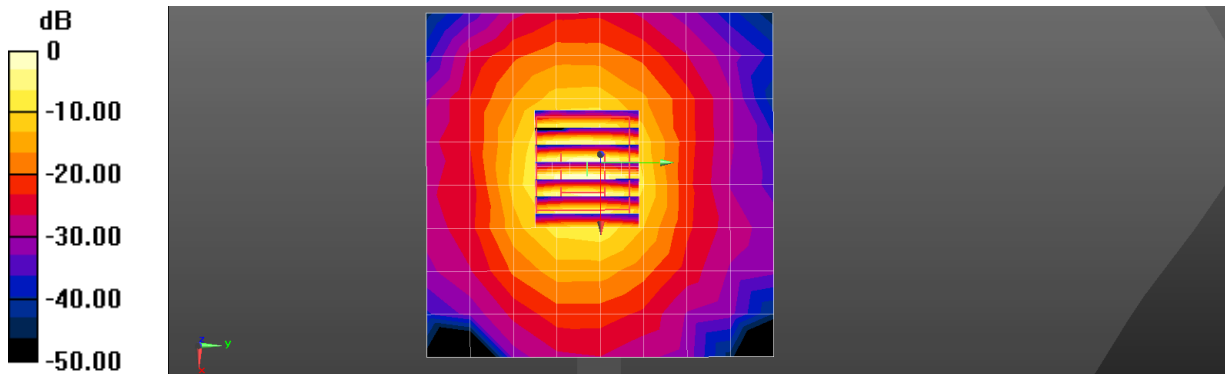
5600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.19 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 19.7 W/kg

SAR(1 g) = 4.2 W/kg; SAR(10 g) = 1.17 W/kg

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



0 dB = 11.0 W/kg = 10.41 dBW/kg

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 22.6 °C
 Test Date: 11/24/2025
 Band: UNII 4
 Plot No.: V36

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.299 \text{ S/m}$; $\epsilon_r = 34.607$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7654; ConvF(5.6, 5.54, 5.91) @ 5800 MHz; Calibrated: 2025-06-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; 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)

5800MHz Head Verification/Area Scan (9x9x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 8.05 W/kg

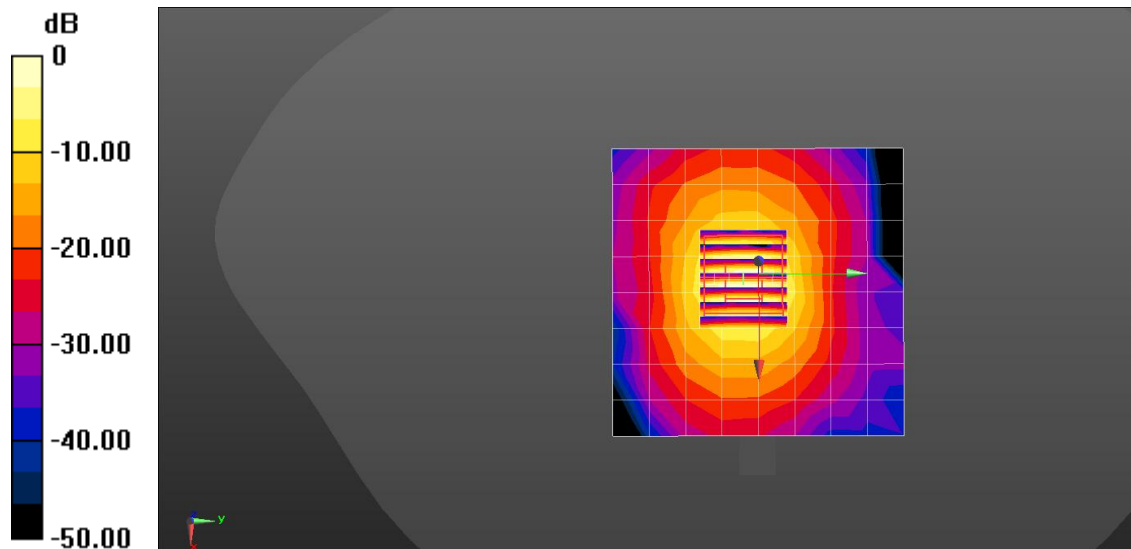
5800MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 41.21 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 20.0 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 1.11 W/kg

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



0 dB = 10.7 W/kg = 10.29 dBW/kg

Appendix D. – SAR Tissue Characterization

The brain and muscle mixtures consist of a viscous gel using hydrox-ethyl cellulose (HEC) gelling agent and saline solution (see Table 3.1). Preservation with a 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
2	3797	EX3DV4	Head	1750	2d015	2025-06-23	40.1	1.39	PASS	PASS	PASS	N/A	N/A	N/A
2	3797	EX3DV4	Head	1900	5d061	2025-01-23	40.0	1.41	PASS	PASS	PASS	N/A	N/A	N/A
2	3797	EX3DV4	Head	1900	5d061	2025-01-23	40.0	1.41	PASS	PASS	PASS	GMSK	PASS	N/A
3	3903	EX3DV4	Head	1750	2d015	2025-07-27	40.1	1.39	PASS	PASS	PASS	N/A	N/A	N/A
3	3903	EX3DV4	Head	1900	5d061	2025-07-30	40.2	1.42	PASS	PASS	PASS	N/A	N/A	N/A
8	7654	EX3DV4	Head	3500	1040	2025-06-05	38.0	2.97	PASS	PASS	PASS	TDD	PASS	N/A
8	7654	EX3DV4	Head	3500	1040	2025-06-05	38.0	2.97	PASS	PASS	PASS	N/A	N/A	N/A
8	7654	EX3DV4	Head	3700	1066	2025-09-18	37.9	3.13	PASS	PASS	PASS	TDD	PASS	N/A
8	7654	EX3DV4	Head	3700	1066	2025-09-18	37.9	3.13	PASS	PASS	PASS	N/A	N/A	N/A
8	7654	EX3DV4	Head	3900	1019	2025-06-05	37.3	3.30	PASS	PASS	PASS	TDD	PASS	N/A
8	7654	EX3DV4	Head	3900	1019	2025-06-05	37.3	3.30	PASS	PASS	PASS	N/A	N/A	N/A
8	7654	EX3DV4	Head	5250	1107	2025-06-05	36.1	4.67	PASS	PASS	PASS	OFDM	N/A	PASS
8	7654	EX3DV4	Head	5600	1107	2025-06-05	35.7	5.12	PASS	PASS	PASS	OFDM	N/A	PASS
8	7654	EX3DV4	Head	5750	1107	2025-06-05	35.4	5.22	PASS	PASS	PASS	OFDM	N/A	PASS
8	7654	EX3DV4	Head	5800	1107	2025-06-05	35.3	5.25	PASS	PASS	PASS	OFDM	N/A	PASS
15	7732	EX3DV4	Head	750	1014	2025-06-26	42.1	0.90	PASS	PASS	PASS	N/A	N/A	N/A
15	7732	EX3DV4	Head	835	441	2025-06-26	41.4	0.89	PASS	PASS	PASS	N/A	N/A	N/A
15	7732	EX3DV4	Head	835	441	2025-06-26	41.4	0.89	PASS	PASS	PASS	GMSK	PASS	N/A
15	7732	EX3DV4	Head	2450	1049	2025-06-30	39.3	1.81	PASS	PASS	PASS	OFDM	N/A	PASS
15	7732	EX3DV4	Head	2600	1106	2025-06-30	38.9	1.97	PASS	PASS	PASS	N/A	N/A	N/A
15	7732	EX3DV4	Head	2600	1106	2025-06-30	38.9	1.97	PASS	PASS	PASS	TDD	PASS	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
5	3076	ES3DV3	Head	13	1016	2025-12-08	55.2	0.76	PASS	PASS	PASS	N/A	N/A	N/A
8	7654	EX3DV4	Head	5250	1107	2025-06-05	36.1	4.67	PASS	PASS	PASS	OFDM	N/A	PASS
8	7654	EX3DV4	Head	5750	1107	2025-06-05	35.4	5.22	PASS	PASS	PASS	OFDM	N/A	PASS
8	7654	EX3DV4	Head	5800	1107	2025-06-05	35.3	5.25	PASS	PASS	PASS	OFDM	N/A	PASS

SAR System Validation Summary 10g

Note;

All measurement was 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.