

ANNEX A: Test Layout and Setup

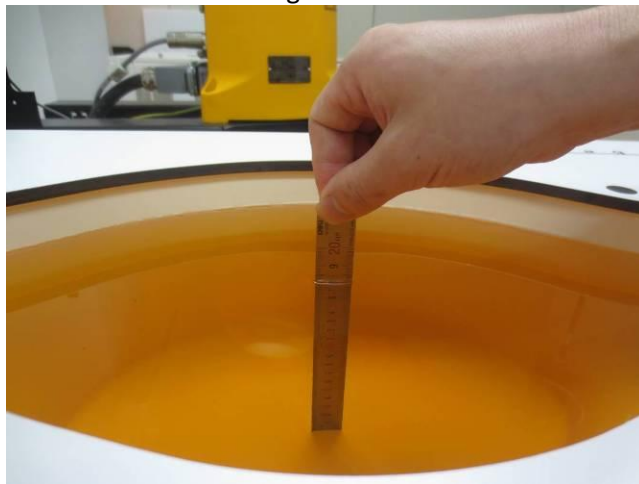
Body-worn Test distance 0mm



Right side



Bottom side



Liquid Depth in the flat phantom(18.3cm)

ANNEX B System Check Results

Date: 2026/9/15

Test Laboratory: Intertek Service

• System Check H2450

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 Head Medium parameters used: $f = 2450$ MHz; $\sigma = 1.885$ S/m; $\epsilon_r = 38.21$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(6.95, 7.27, 7.46) @ 2450 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2026/6/18
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Pin=250 mW/Area Scan (7x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 17.3 W/kg

Configuration/Pin=250 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 66.69 V/m; Power Drift = 0.02 dB

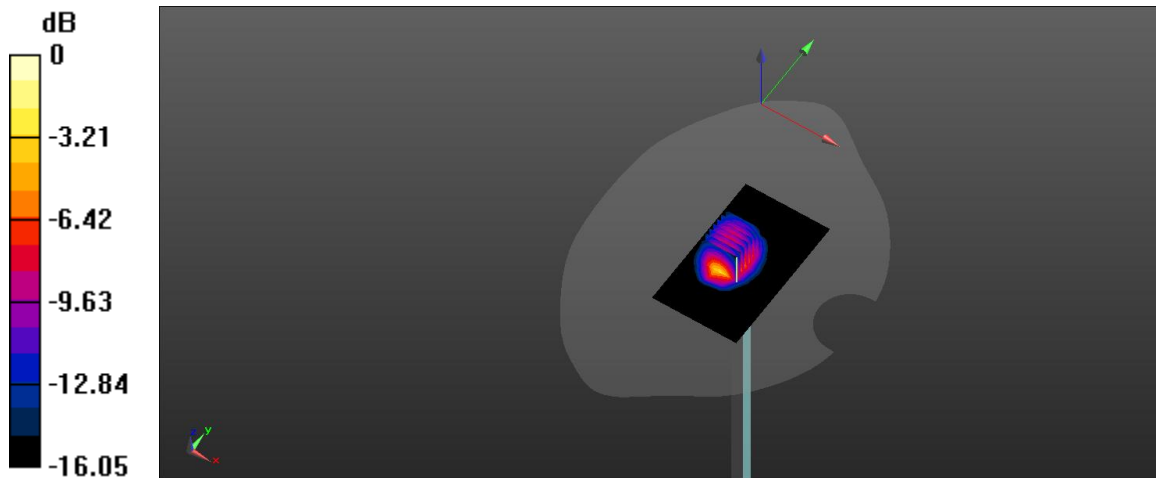
Peak SAR (extrapolated) = 22.0 W/kg

SAR(1 g) = 13.05 W/kg; SAR(10 g) = 6.03 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 64.8%

Maximum value of SAR (measured) = 19.6 W/kg



0 dB = 19.6 W/kg = 12.92 dBW/kg

ANNEX C: MAXIMUM GRAPH RESULTS

Date: 2026/9/15

Test Laboratory: Intertek Service

• 11G rear Side_CH1

Communication System: UID 0, WIFI 11G(DSSS-OFDM, 6 Mbps, 99pc duty cycle) (0); Frequency: 2412 MHz;Duty Cycle: 1:6.51628

Medium: 2450 Head Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.837 \text{ S/m}$; $\epsilon_r = 38.408$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(6.95, 7.27, 7.46) @ 2412 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 2026/6/18
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (7x9x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.331 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.13 V/m; Power Drift = 0.08 dB

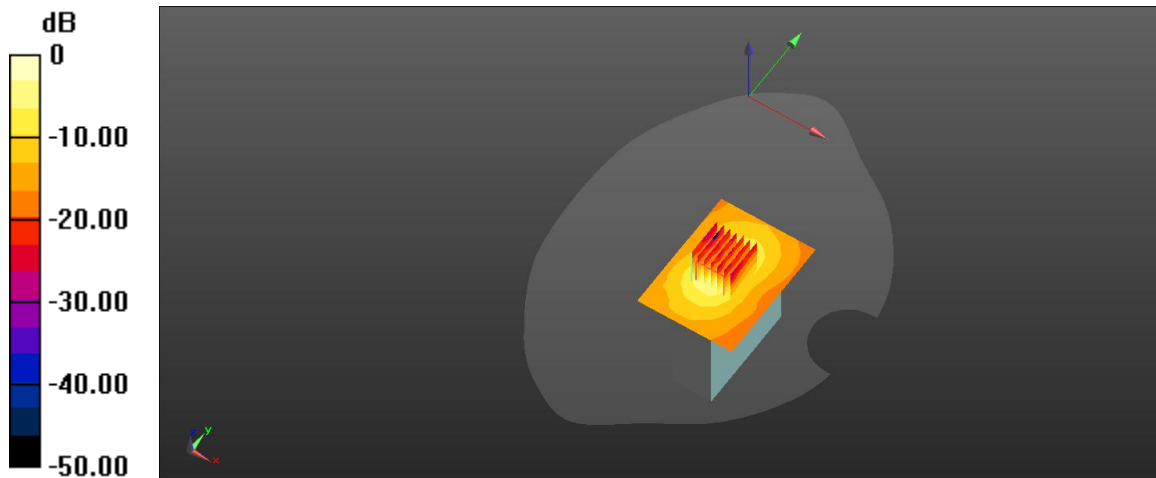
Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.055 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 31.6%

Maximum value of SAR (measured) = 0.321 W/kg



0 dB = 0.321 W/kg = -4.93 dBW/kg

ANNEX D: SYSTEM VALIDATION

The SAR system must be validated against its performance specifications before it is deployed. When SAR probes, system components or software are changed, upgraded or recalibrated, these must be validated with the SAR system(s) that operates with such components.

Justification for Extended SAR Dipole Calibrations

Usage of SAR dipoles calibrated less than 3 years ago but more than 1 year ago were confirmed in maintaining return loss (< -20 dB, within 20% of prior calibration) and impedance (within 5 ohm from prior calibration)

Table D.1: System Validation Part 1

Date of Measurement	Dipole SN.	Return Loss(dB)	Δ RL (%)	Impedance (Ω)	Δ Z (Ω)
11/6/2024	D2450V2_966	-27.0	4.44	51.5	1.6
11/6/2025		-25.8		49.9	
11/5/2025		-23.4		51.5	

Table D.2: System Validation Part 2

System No.	Dipole SN.	Liquid name	Validation date	Frequency point	Permittivity ϵ	Conductivity σ (S/m)
1	966	Head	11/6/2025	2450MHz	38.19	1.91

Table D.3: System Validation Part 3

CW Validation	Sensitivity	PASS	PASS
	Probe linearity	PASS	PASS
	Probe Isotropy	PASS	PASS
Mod Validation	MOD.type	QPSK	QPSK
	Duty factor	PASS	PASS
	PAR	PASS	PASS