

ANNEX A: Test Layout and Setup



Top Side(0mm)



Rear Side(0mm)

ANNEX B: System Check Results

Date: 2026/07/02

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; $\sigma = 1.887$ S/m; $\epsilon_r = 38.253$; $\rho = 1000$ 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 Sn1356; Calibrated: 2025/12/9
- 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) = 15.5 W/kg

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

Reference Value = 63.16 V/m; Power Drift = 0.08 dB

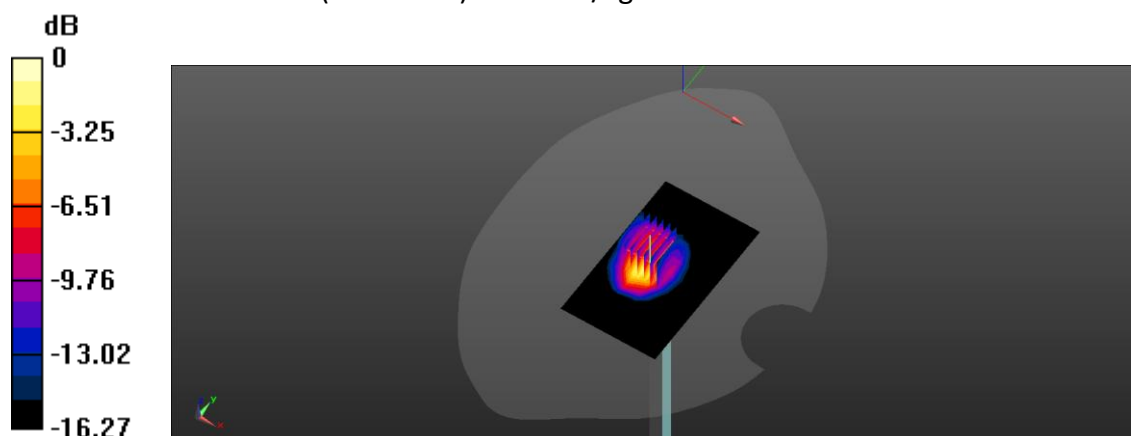
Peak SAR (extrapolated) = 20.2 W/kg

SAR(1 g) = 12.98 W/kg; SAR(10 g) = 6.06 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 64.9%

Maximum value of SAR (measured) = 18.0 W/kg



Date: 2026/07/02

System Check_H5200

Communication System: UID 0, _CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5G Head Medium parameters used: $f = 5200$ MHz; $\sigma = 4.569$ S/m; $\epsilon_r = 34.803$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.36, 5.61, 5.75) @ 5200 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Pin=100 mW/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 18.28 W/kg

Configuration/Pin=100 mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 33.48 V/m; Power Drift = -0.07 dB

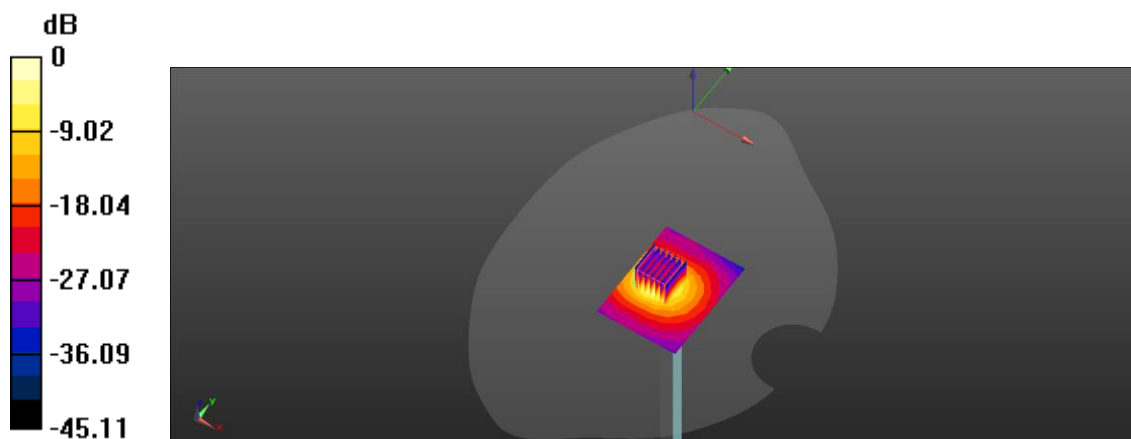
Peak SAR (extrapolated) = 33.28 W/kg

SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.14 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 48.9%

Maximum value of SAR (measured) = 18.6 W/kg



Date: 2026/07/02

System Check_H5300

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: 5G Head Medium parameters used: $f = 5300$ MHz; $\sigma = 4.651$ S/m; $\epsilon_r = 34.731$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.36, 5.61, 5.75) @ 5300 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Pin=100 mW/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 18.21 W/kg

Configuration/Pin=100 mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 32.75 V/m; Power Drift = 0.08 dB

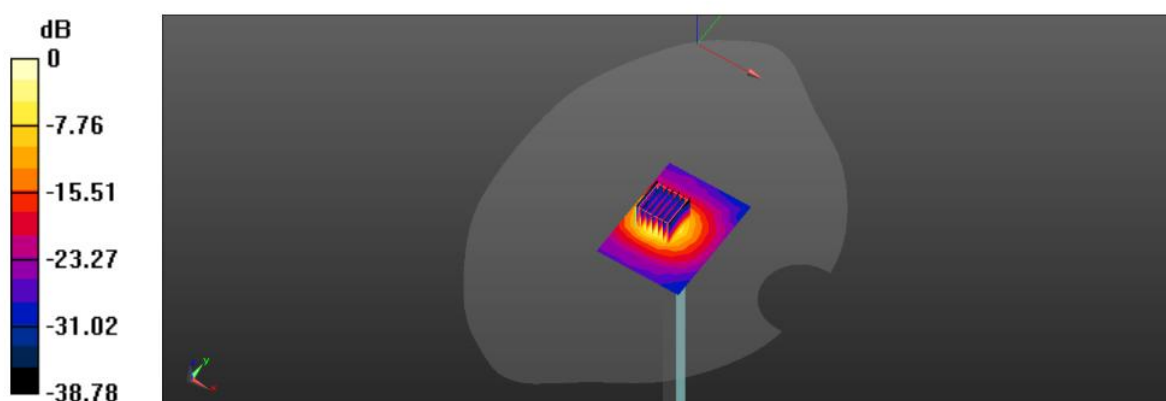
Peak SAR (extrapolated) = 34.22 W/kg

SAR(1 g) = 7.79 W/kg; SAR(10 g) = 2.15 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 47.3%

Maximum value of SAR (measured) = 18.7 W/kg



0 dB = 18.7 W/kg = 12.72 dBW/kg

Date: 2026/07/02

System Check_H5600

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: 5G Head Medium parameters used: $f = 5600$ MHz; $\sigma = 4.925$ S/m; $\epsilon_r = 34.274$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.91, 5.14, 5.28) @ 5600 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Pin=100 mW/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 11.21 W/kg

Configuration/Pin=100 mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 34.32 V/m; Power Drift = -0.12 dB

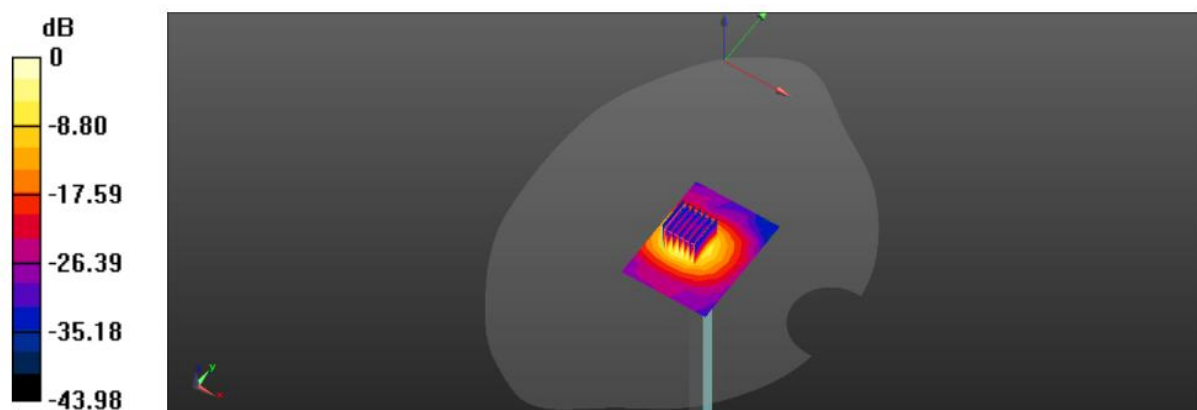
Peak SAR (extrapolated) = 37.85 W/kg

SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.25 W/kg

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 47.5%

Maximum value of SAR (measured) = 11.42 W/kg



0 dB = 11.42 W/kg = 10.57 dBW/kg

Date: 2026/07/02

System Check_H5800

Communication System: UID 0, _CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5G Head Medium parameters used: $f = 5800$ MHz; $\sigma = 5.126$ S/m; $\epsilon_r = 33.935$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.96, 5.19, 5.33) @ 5800 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Pin=100 mW/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 10.53 W/kg

Configuration/Pin=100 mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 32.46 V/m; Power Drift = 0.02 dB

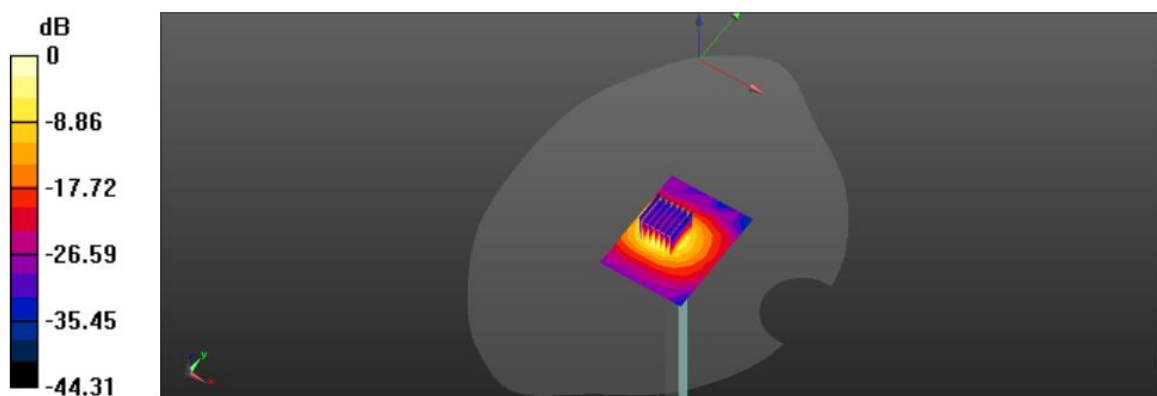
Peak SAR (extrapolated) = 38.56 W/kg

SAR(1 g) = 7.82 W/kg; SAR(10 g) = 2.16 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 45.9%

Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 10.9 W/kg = 10.37 dBW/kg

ANNEX C: Maximum Graph Results

Date: 2026/07/02

2.4G BT_EDR_top Side_CHO

Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1

Medium: 2450 Head Medium parameters used: $f = 2402$ MHz; $\sigma = 1.804$ S/m; $\epsilon_r = 40.372$; $\rho = 1000$ 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) @ 2402 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- 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 (13x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.334 W/kg

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

Reference Value = 1.802 V/m; Power Drift = 0.00 dB

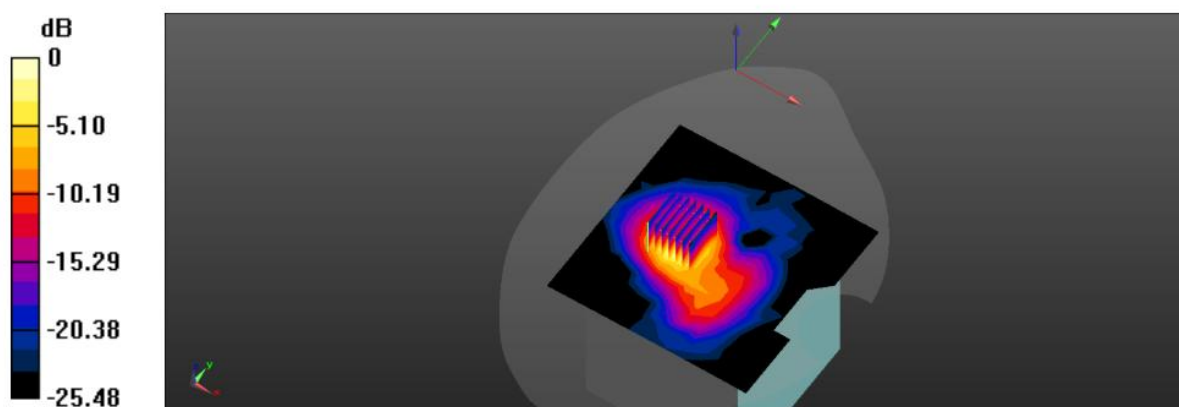
Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.015 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 48.8%

Maximum value of SAR (measured) = 0.334 W/kg



0 dB = 0.674 W/kg = -4.76 dBW/kg

Date: 2026/07/02

2.4G WIFI_11B_top Side_CH11

Communication System: UID 0, WIFI 11B(DSSS 1Mbps 99pc duty cycle) (0); Frequency: 2462 MHz; Duty Cycle: 1:1.42561

Medium: 2450 Head Medium parameters used: $f = 2462$ MHz; $\sigma = 1.866$ S/m; $\epsilon_r = 40.123$; $\rho = 1000$ 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) @ 2462 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- 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 (13x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.19 W/kg

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

Reference Value = 10.75 V/m; Power Drift = -0.01 dB

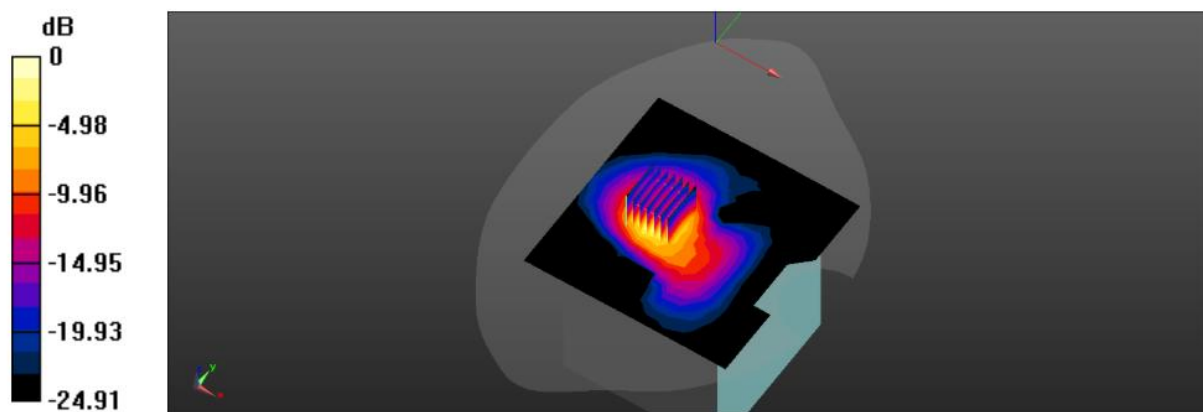
Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.341 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 47%

Maximum value of SAR (measured) = 1.27 W/kg



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

Date: 2026/07/02

5G WIFI_11AX_top Side_CH36

Communication System: UID 0, WIFI 11AX20(MCS0 99pc duty cycle) (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: 5G Head Medium parameters used: $f = 5180$ MHz; $\sigma = 4.546$ S/m; $\epsilon_r = 34.819$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.36, 5.61, 5.75) @ 5180 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (14x14x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.118 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.499 V/m; Power Drift = 0.05 dB

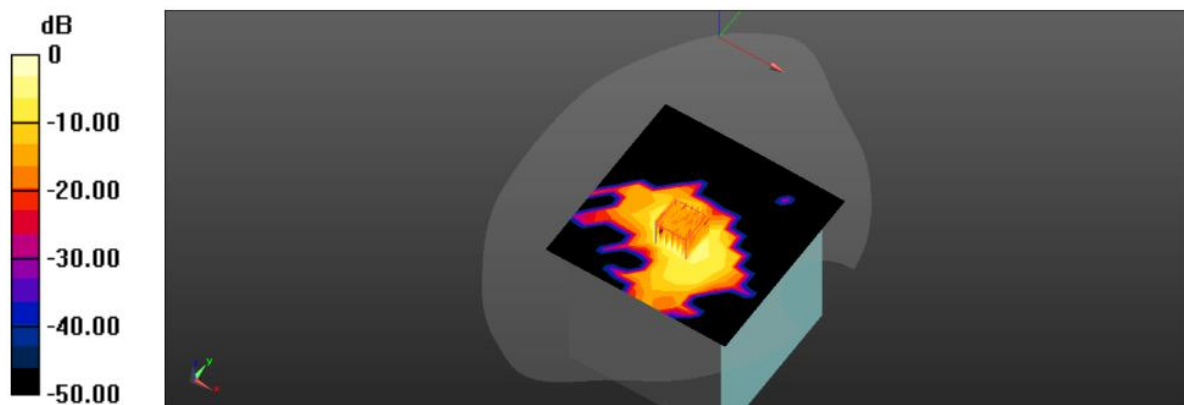
Peak SAR (extrapolated) = 0.281 W/kg

SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.066 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 45.2%

Maximum value of SAR (measured) = 0.136 W/kg



0 dB = 0.136 W/kg = -8.66 dBW/kg

Date: 2026/04/10

5G WIFI_11A_top Side_CH56

Communication System: UID 0, WIFI 11A(DSSS-OFDM, 6 Mbps, 99pc duty cycle) (0); Frequency: 5280 MHz; Duty Cycle: 1:1.09396

Medium: 5G Head Medium parameters used: $f = 5280$ MHz; $\sigma = 4.633$ S/m; $\epsilon_r = 34.753$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.36, 5.61, 5.75) @ 5280 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (14x14x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.53 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.574 V/m; Power Drift = -0.17 dB

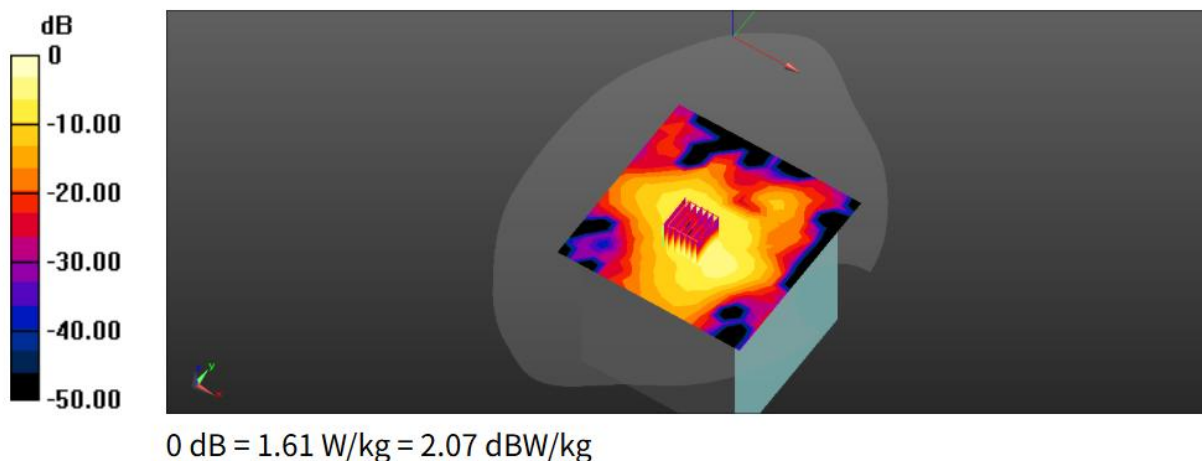
Peak SAR (extrapolated) = 2.98 W/kg

SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.191 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 47.2%

Maximum value of SAR (measured) = 1.61 W/kg



Date: 2026/07/02

5G WIFI_11AX_top Side_CH100

Communication System: UID 0, WIFI 11AX20(MCS0 99pc duty cycle) (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5G Head Medium parameters used: $f = 5500$ MHz; $\sigma = 4.816$ S/m; $\epsilon_r = 34.44$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.91, 5.14, 5.28) @ 5500 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (14x14x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.325 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.289 V/m; Power Drift = -0.11 dB

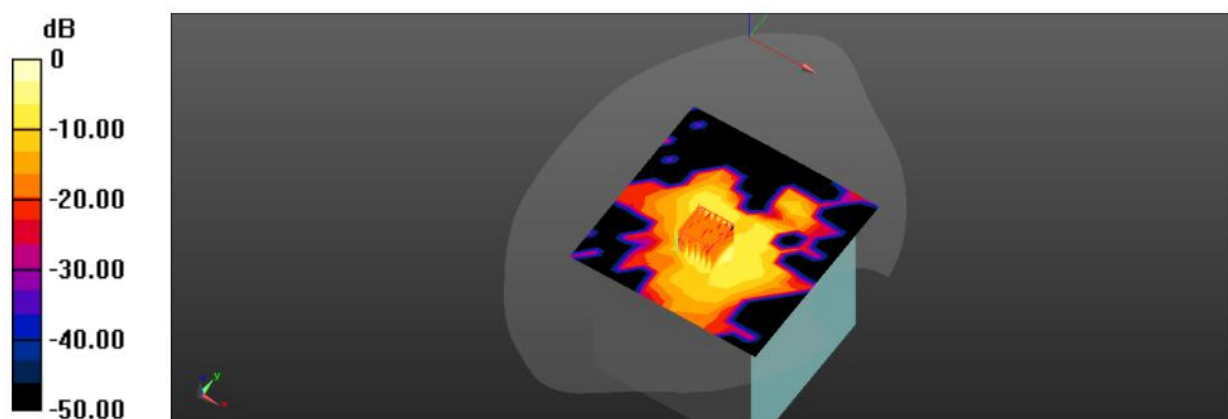
Peak SAR (extrapolated) = 0.647 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.089 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 45.4%

Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.330 W/kg = -4.81 dBW/kg

Date: 2026/07/02

5G WIFI_11AX_top Side_CH165

Communication System: UID 0, WIFI 11AX20(MCS0 99pc duty cycle) (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: 5G Head Medium parameters used: $f = 5825$ MHz; $\sigma = 5.147$ S/m; $\epsilon_r = 33.882$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.96, 5.19, 5.33) @ 5825 MHz; Calibrated: 2026/5/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (14x14x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.123 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.205 V/m; Power Drift = -0.06 dB

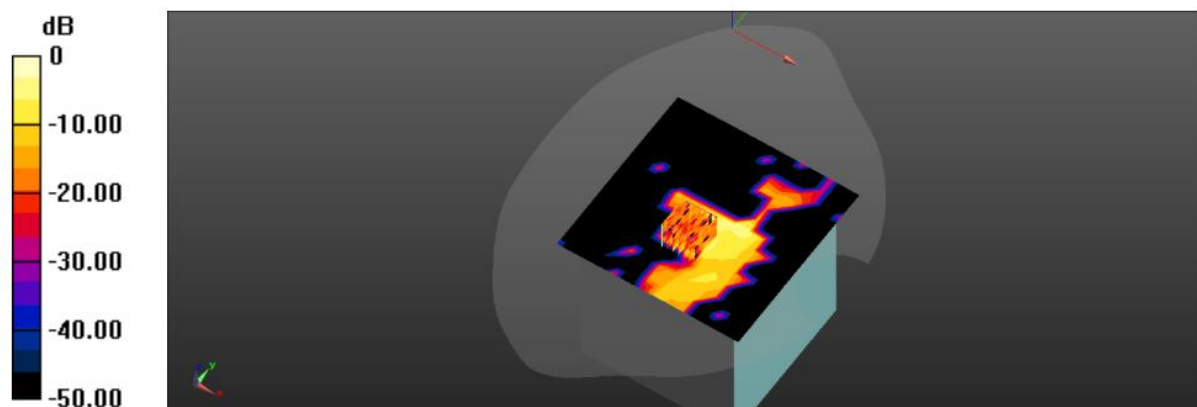
Peak SAR (extrapolated) = 0.540 W/kg

SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.055 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 43.2%

Maximum value of SAR (measured) = 0.138 W/kg



0 dB = 0.138 W/kg = -8.60 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.

Table D.1: System Validation Part 1

Head Liquid					
Date of Measurement	Dipole SN	Return Loss(dB)	$\Delta 20\%$	Impedance (Ω)	$\Delta 5\Omega$
11/6/2024	D2450V2_966	-27	4.44%	51.5	1.6
11/6/2025		-25.8		49.9	
11/5/2024	D5GHzV2_1218/5200MHz	-29.6	6.08%	50.9	2.2
11/5/2025		-31.4		48.7	
11/5/2024	D5GHzV2_1218/5300MHz	-31.5	3.17%	47.8	2.3
11/5/2025		-30.5		45.5	
11/5/2024	D5GHzV2_1218/5600MHz	-32.4	9.26%	52.4	1.6
11/5/2025		-29.4		50.8	
11/5/2024	D5GHzV2_1218/5800MHz	-21.4	9.35%	54	2.5
11/5/2025		-23.4		51.5	

Table D.2: System Validation Part 2

Date of Measurement	Dipole SN	Liquid name	Frequency	Permittivity	Conductivity
			point	ε	σ (S/m)
11/6/2024	D2450V2_966	Head	2450MHz	38.25	1.88
11/6/2025				38.19	1.91
11/5/2024	D5GHzV2_1218/5200MHz		5200MHz	34.81	4.56
11/5/2025				34.76	4.61
11/5/2024	D5GHzV2_1218/5300MHz		5300MHz	34.73	4.62
11/5/2025				34.66	4.67
11/5/2024	D5GHzV2_1218/5600MHz		5600MHz	34.27	4.96
11/5/2025				34.24	5.01
11/5/2024	D5GHzV2_1218/5800MHz		5800MHz	33.94	5.12
11/5/2025				33.85	5.17