

## ANNEX A: Test Layout and Setup



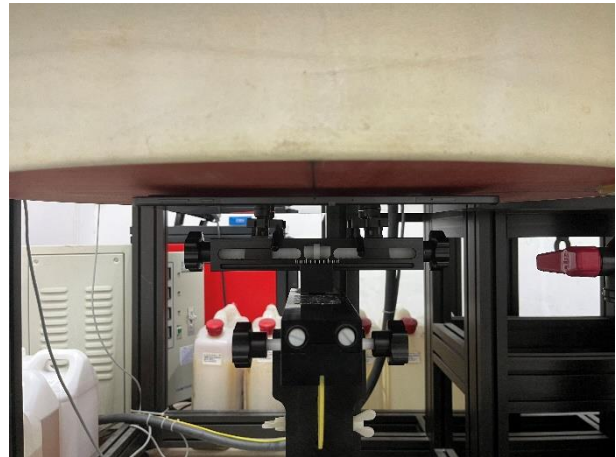
Top Edge(0mm)



Rear Face(0mm)



Top Edge(10mm)



Rear Face(10mm)

## ANNEX B: System Check Results

Date: 06/30/2024

### 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;  $\sigma = 1.882$  S/m;  $\epsilon_r = 38.25$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.36, 7.36, 7.36) @ 2450 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 16.1 W/kg

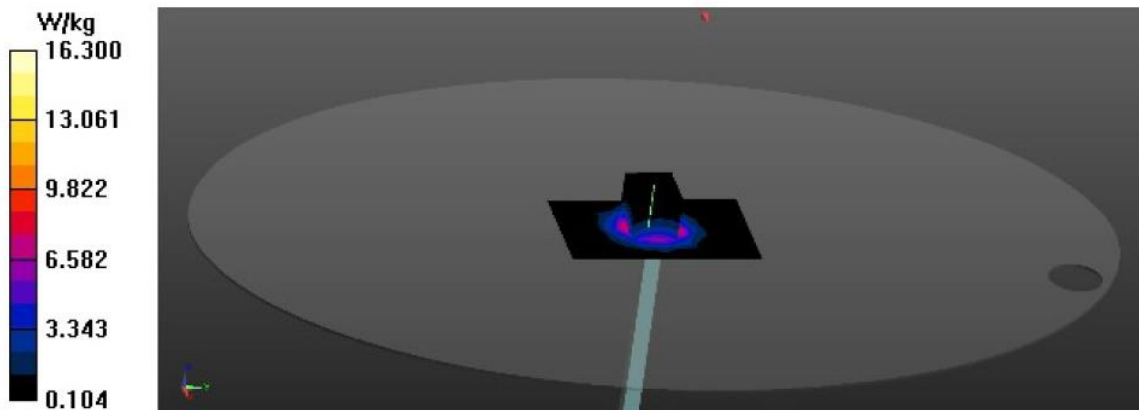
**Configuration/Pin=250 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.96 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 25.8 W/kg

**SAR(1 g) = 12.7 W/kg; SAR(10 g) = 6.16 W/kg**

Maximum value of SAR (measured) = 16.3 W/kg



Date: 06/30/2024

## 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;  $\sigma = 4.564$  S/m;  $\epsilon_r = 34.807$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.25, 5.25, 5.25) @ 5200 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 10.8 W/kg

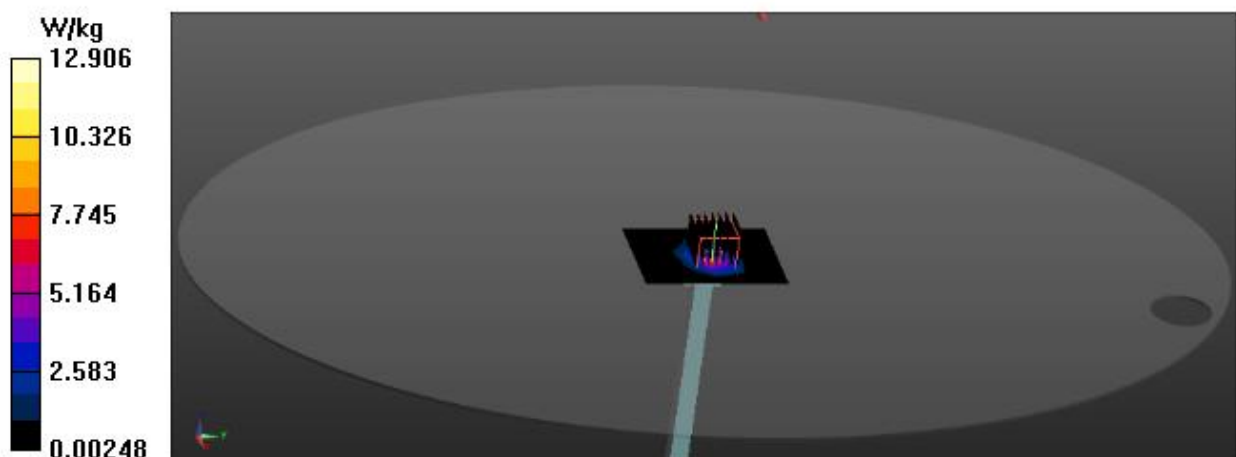
**Configuration/Pin=100 mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 51.82 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 27.6 W/kg

**SAR(1 g) = 7.29 W/kg; SAR(10 g) = 2.05 W/kg**

Maximum value of SAR (measured) = 11.4 W/kg



### 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;  $\sigma = 4.649$  S/m;  $\epsilon_r = 34.738$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.25, 5.25, 5.25) @ 5300 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

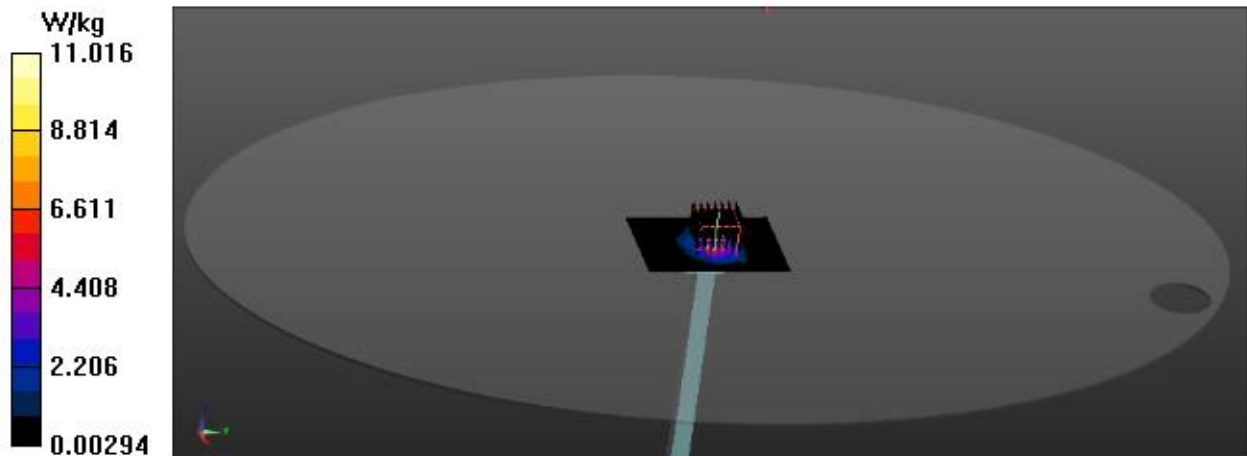
**Configuration/Pin=100 mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 49.99 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 27.9 W/kg

**SAR(1 g) = 7.67 W/kg; SAR(10 g) = 2.21 W/kg**

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



Date: 06/30/2024

## 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;  $\sigma = 4.92$  S/m;  $\epsilon_r = 34.278$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.65, 4.65, 4.65) @ 5600 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 11.8 W/kg

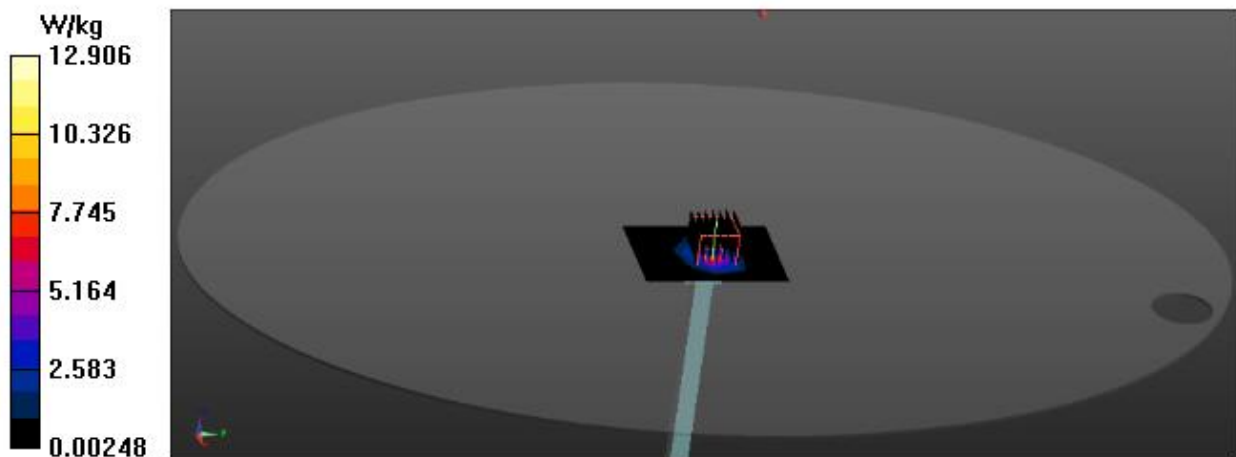
**Configuration/Pin=100 mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 49.80 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 36.3 W/kg

**SAR(1 g) = 8.46 W/kg; SAR(10 g) = 2.43 W/kg**

Maximum value of SAR (measured) = 12.9 W/kg



## 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;  $\sigma = 5.124$  S/m;  $\epsilon_r = 33.938$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.8, 4.8, 4.8) @ 5800 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

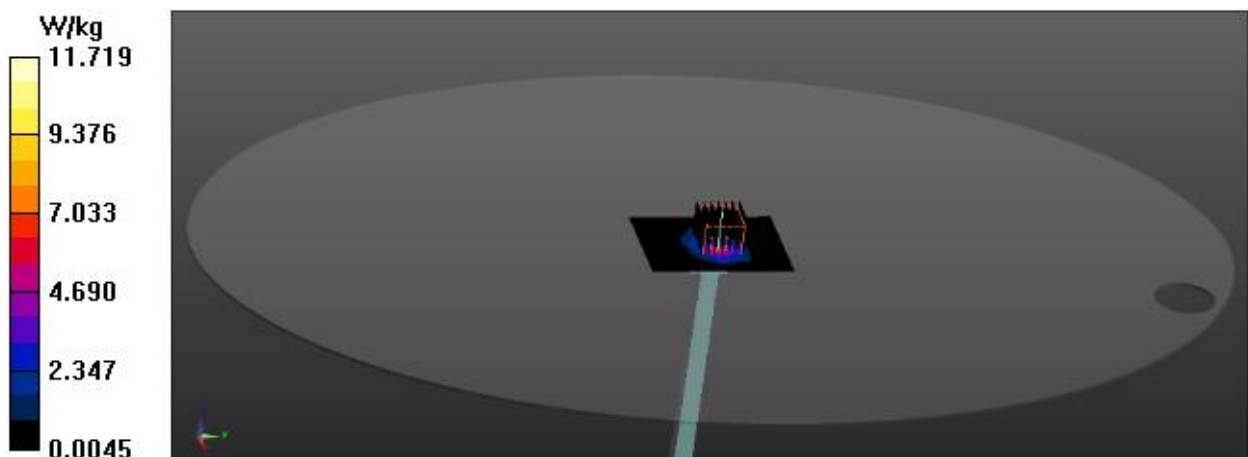
**Configuration/Pin=100 mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 46.88 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 33.8 W/kg

**SAR(1 g) = 7.77 W/kg; SAR(10 g) = 2.24 W/kg**

Maximum value of SAR (measured) = 11.7 W/kg



## ANNEX C: Maximum Graph Results

Date: 07/01/2024

### 2.4G WIFI 11ax20\_top Side\_CH11 (Sensor is not triggered)

Communication System: UID 0, WiFi 802.11 AX20 (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: 2450 Head Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.896 \text{ S/m}$ ;  $\epsilon_r = 38.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature:  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $21.5 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.36, 7.36, 7.36) @ 2462 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Area Scan (6x26x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (measured) =  $1.30 \text{ W/kg}$

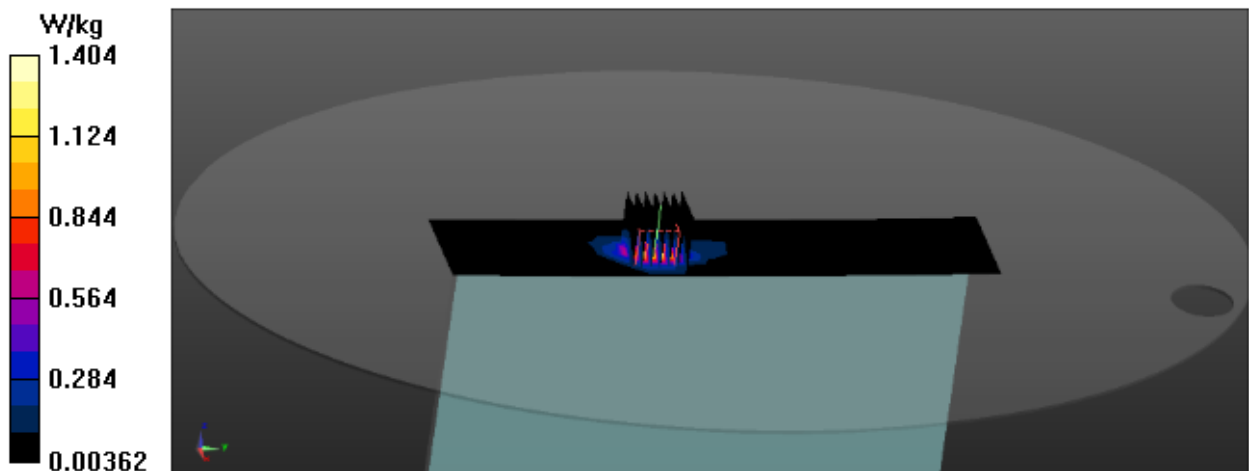
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $9.142 \text{ V/m}$ ; Power Drift =  $-0.10 \text{ dB}$

Peak SAR (extrapolated) =  $1.86 \text{ W/kg}$

**SAR(1 g) =  $0.753 \text{ W/kg}$ ; SAR(10 g) =  $0.292 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.40 \text{ W/kg}$



**5G WIFI\_11A\_top Side\_CH48 (Sensor is not triggered)**

Communication System: UID 0, WiFi 802.11A (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5G Head Medium parameters used:  $f = 5240$  MHz;  $\sigma = 4.599$  S/m;  $\epsilon_r = 34.783$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.25, 5.25, 5.25) @ 5240 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Area Scan (7x31x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.455 W/kg

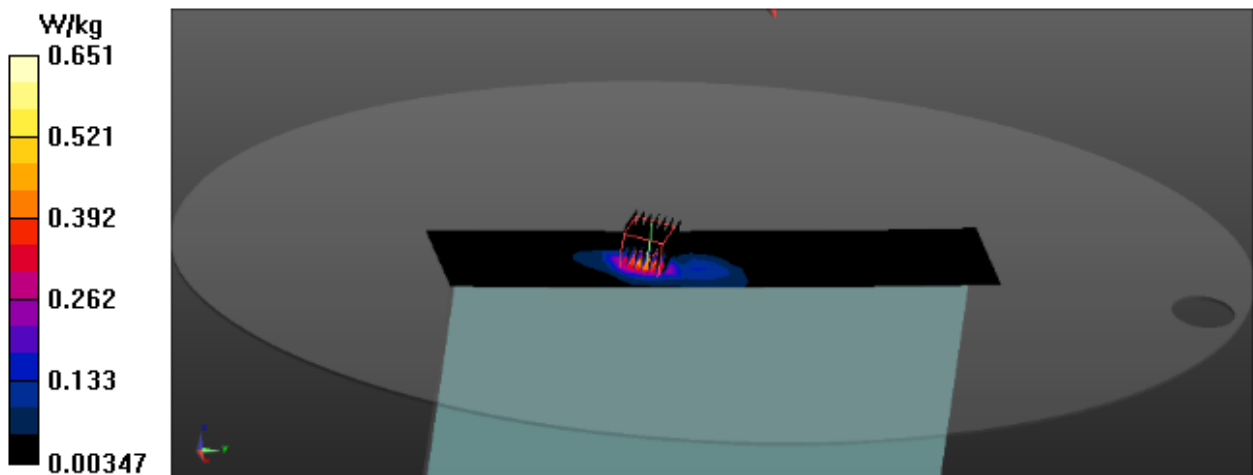
**Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.728 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.088 W/kg**

Maximum value of SAR (measured) = 0.651 W/kg





**5G WIFI\_11n20\_top Side\_CH56 (Sensor is not triggered)**

Communication System: UID 0, WiFi 802.11 nHT20 (0); Frequency: 5280 MHz;Duty Cycle: 1:1  
Medium: 5G Head Medium parameters used:  $f = 5280 \text{ MHz}$ ;  $\sigma = 4.633 \text{ S/m}$ ;  $\epsilon_r = 34.753$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature:  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $21.5 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.25, 5.25, 5.25) @ 5280 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Area Scan (7x31x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) =  $0.517 \text{ W/kg}$

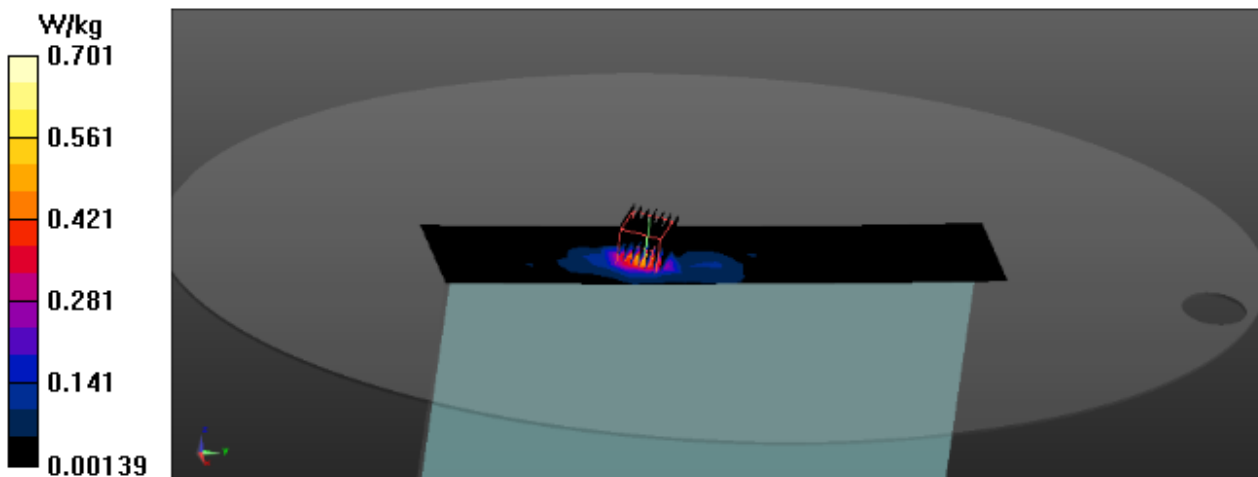
**Zoom Scan (7x7x13)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value =  $4.715 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $1.17 \text{ W/kg}$

**SAR(1 g) =  $0.289 \text{ W/kg}$ ; SAR(10 g) =  $0.096 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.701 \text{ W/kg}$



## 5G WIFI\_11n40\_top Side\_CH110 (Sensor is not triggered)

Communication System: UID 0, WiFi 802.11 n HT40 (0); Frequency: 5550 MHz; Duty Cycle: 1:1  
Medium: 5G Head Medium parameters used:  $f = 5550 \text{ MHz}$ ;  $\sigma = 4.866 \text{ S/m}$ ;  $\epsilon_r = 34.358$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature:  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $21.5 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.65, 4.65, 4.65) @ 5550 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Area Scan (7x31x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) =  $1.75 \text{ W/kg}$

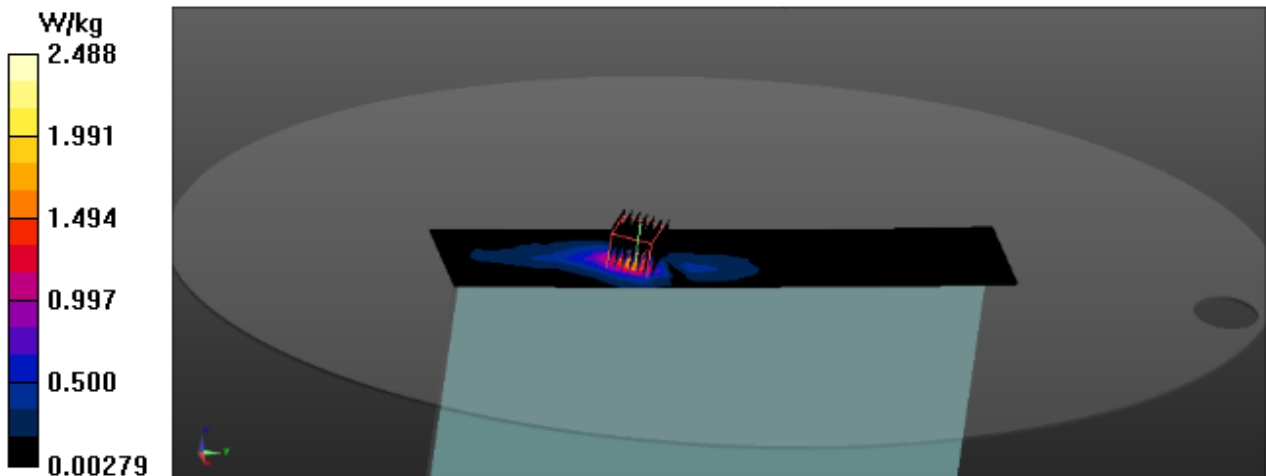
**Zoom Scan (7x7x13)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value =  $7.750 \text{ V/m}$ ; Power Drift =  $0.10 \text{ dB}$

Peak SAR (extrapolated) =  $4.35 \text{ W/kg}$

**SAR(1 g) =  $0.937 \text{ W/kg}$ ; SAR(10 g) =  $0.298 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.49 \text{ W/kg}$



**5G WIFI\_11n40\_top Side\_CH159 (Sensor is not triggered)**

Communication System: UID 0, WiFi 802.11 n HT40 (0); Frequency: 5795 MHz; Duty Cycle: 1:1  
Medium: 5G Head Medium parameters used:  $f = 5795 \text{ MHz}$ ;  $\sigma = 5.119 \text{ S/m}$ ;  $\epsilon_r = 33.949$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature:  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $21.5 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.8, 4.8, 4.8) @ 5795 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Area Scan (7x31x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) =  $1.13 \text{ W/kg}$

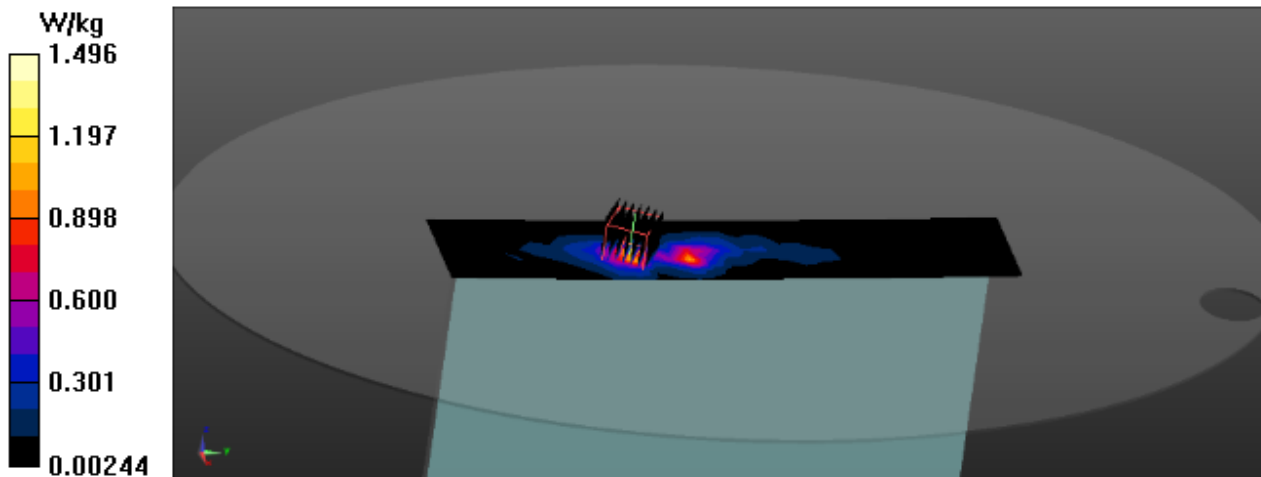
**Zoom Scan (7x7x13)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value =  $9.247 \text{ V/m}$ ; Power Drift =  $-0.07 \text{ dB}$

Peak SAR (extrapolated) =  $2.96 \text{ W/kg}$

**SAR(1 g) =  $0.582 \text{ W/kg}$ ; SAR(10 g) =  $0.179 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.50 \text{ W/kg}$



### 2.4G WIFI\_11B\_top Side\_CH6 (Sensor is triggered)

Communication System: UID 0, WiFi 802.11 b (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium: 2450 Head Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.867 \text{ S/m}$ ;  $\epsilon_r = 38.304$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

Ambient Temperature:  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $21.5 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.36, 7.36, 7.36) @ 2437 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Area Scan (6x26x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (measured) =  $2.24 \text{ W/kg}$

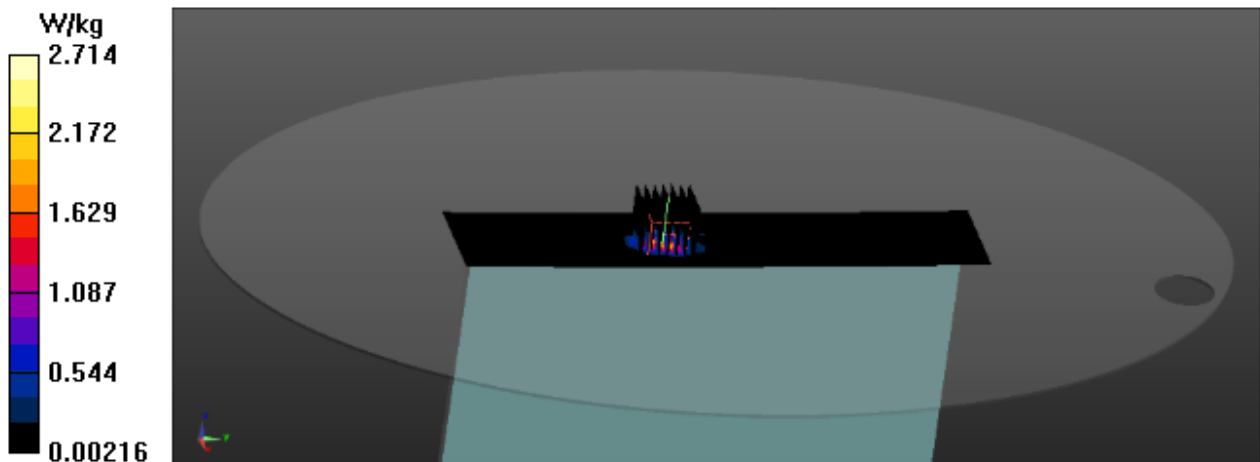
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $11.84 \text{ V/m}$ ; Power Drift =  $0.09 \text{ dB}$

Peak SAR (extrapolated) =  $3.93 \text{ W/kg}$

**SAR(1 g) =  $1.1 \text{ W/kg}$ ; SAR(10 g) =  $0.349 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.71 \text{ W/kg}$



Date: 07/01/2024

**5G WIFI\_11AX20\_top Side\_CH48 (Sensor is triggered)**

Communication System: UID 0, WiFi 802.11AX20 (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5G Head Medium parameters used:  $f = 5240$  MHz;  $\sigma = 4.599$  S/m;  $\epsilon_r = 34.783$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.25, 5.25, 5.25) @ 5240 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Area Scan (7x31x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.34 W/kg

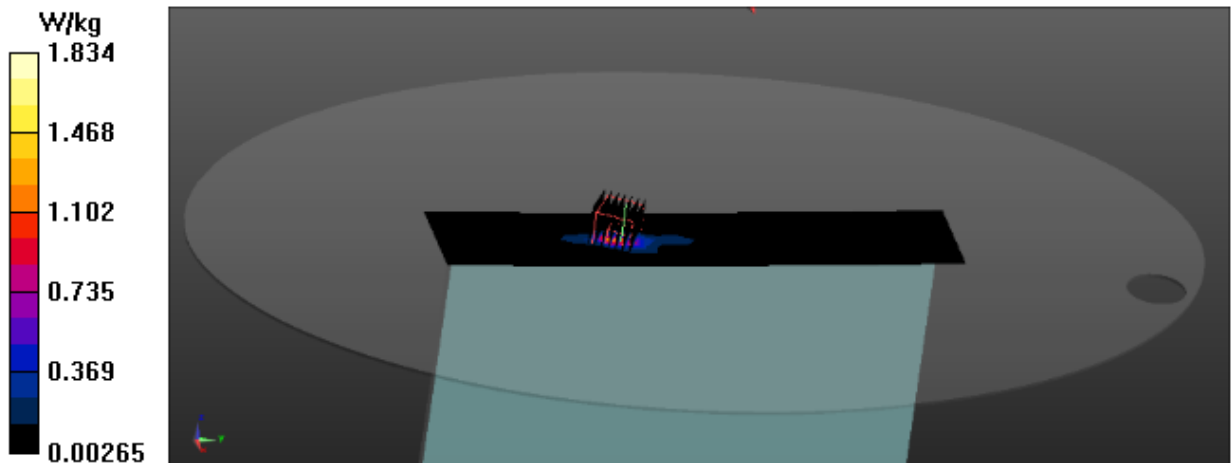
**Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.127 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.96 W/kg

**SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.121 W/kg**

Maximum value of SAR (measured) = 1.83 W/kg



**5G WIFI\_11AC20\_top Side\_CH56 (Sensor is triggered)**

Communication System: UID 0, WIFI 11AC20(MCS0 99pc duty cycle) (0); Frequency: 5280 MHz;Duty Cycle: 1:1

Medium: 5G Head Medium parameters used:  $f = 5280$  MHz;  $\sigma = 4.633$  S/m;  $\epsilon_r = 34.753$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.25, 5.25, 5.25) @ 5280 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Area Scan (7x31x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.79 W/kg

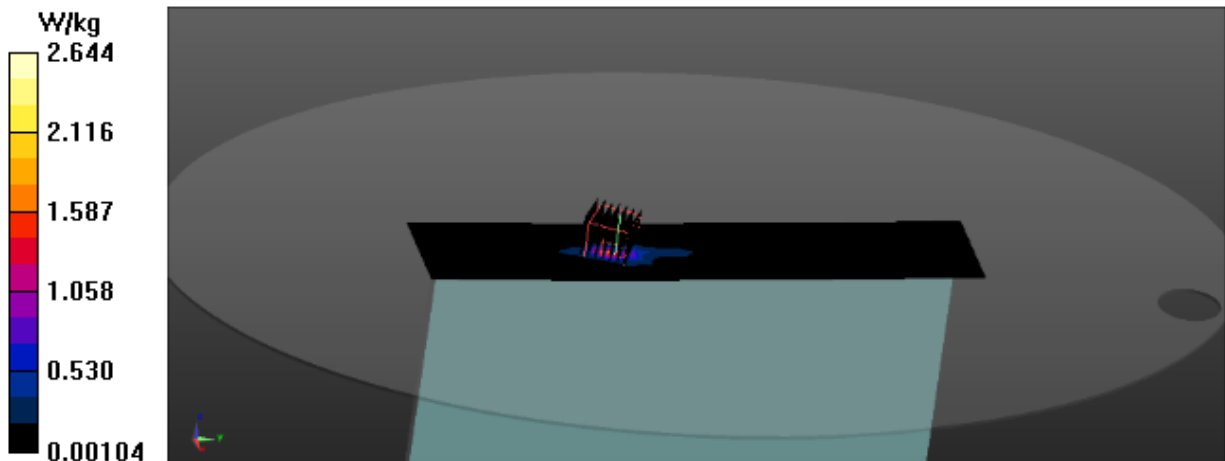
**Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.809 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 5.46 W/kg

**SAR(1 g) = 0.693 W/kg; SAR(10 g) = 0.155 W/kg**

Maximum value of SAR (measured) = 2.64 W/kg



## 5G WIFI\_11AC80\_top Side\_CH106 (Sensor is triggered)

Communication System: UID 0, WIFI 11AC80(MCS0 99pc duty cycle) (0); Frequency: 5530 MHz; Duty Cycle: 1:1

Medium: 5G Head Medium parameters used:  $f = 5530$  MHz;  $\sigma = 4.844$  S/m;  $\epsilon_r = 34.384$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.65, 4.65, 4.65) @ 5530 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Area Scan (7x31x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.69 W/kg

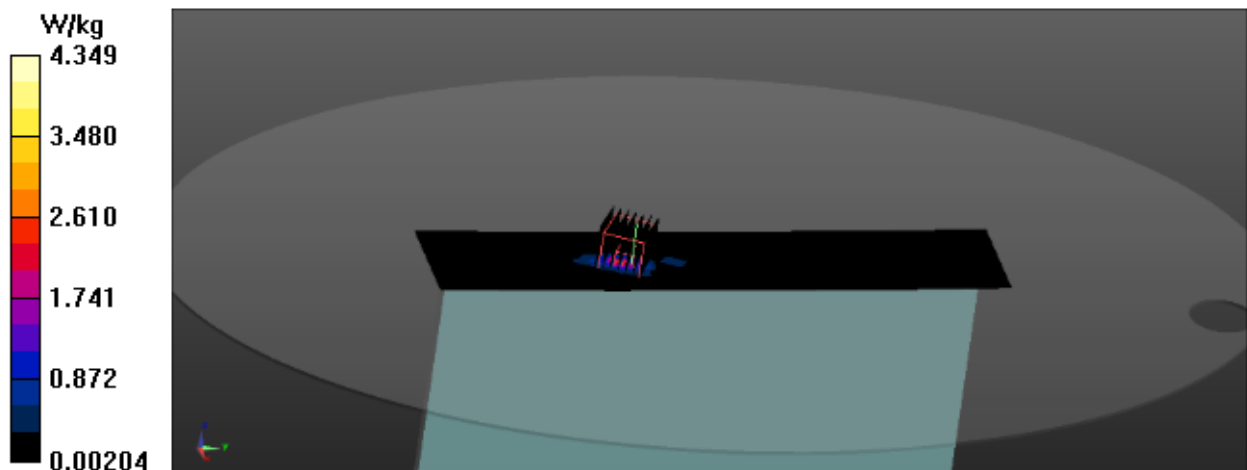
**Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.954 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 10.6 W/kg

**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.234 W/kg**

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



## 5G WIFI\_11AC80\_top Side\_CH155 (Sensor is triggered)

Communication System: UID 0, WIFI 11AC80(MCS0 99pc duty cycle) (0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: 5G Head Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.099$  S/m;  $\epsilon_r = 33.982$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.8, 4.8, 4.8) @ 5775 MHz; Calibrated: 3/26/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 3/18/2024
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2033
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Area Scan (7x31x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.44 W/kg

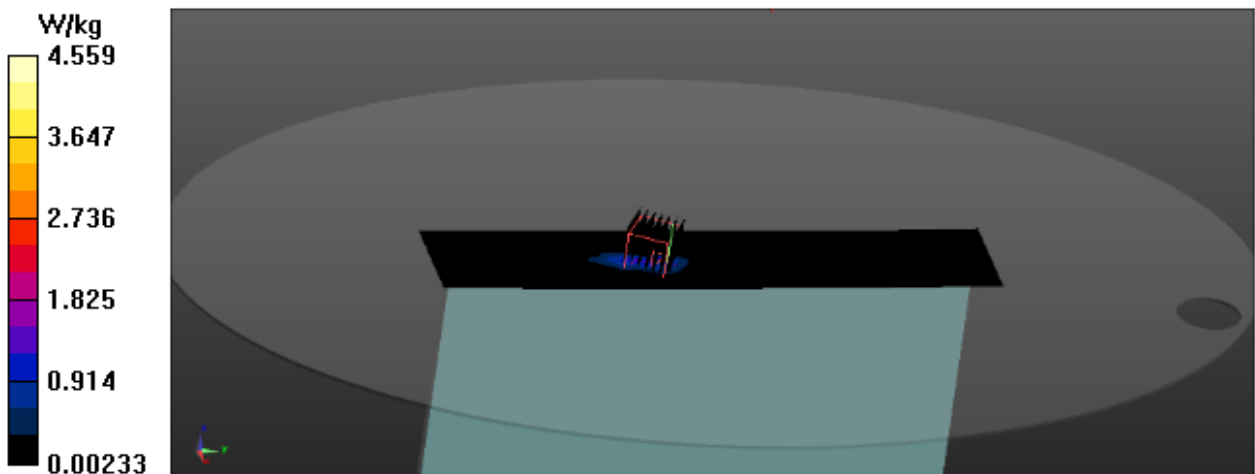
**Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.042 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 12.6 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.233 W/kg**

Maximum value of SAR (measured) = 4.56 W/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

System No.	Probe SN.	Liquid name	Validation date	Frequency point	Permittivity $\epsilon$	Conductivity $\sigma$ (S/m)
1	1055	Body	2023-12-10	750 MHz	42.370	0.894
2	4d196	Body	2023-12-11	835 MHz	42.221	0.896
3	1d182	Body	2023-12-12	900 MHz	41.303	0.960
4	1138	Body	2023-12-13	1750 MHz	40.569	1.404
5	5d203	Body	2023-12-14	1900 MHz	40.383	1.382
6	966	Body	2023-12-15	2450 MHz	38.250	1.882
7	1108	Body	2023-12-16	2600 MHz	37.623	2.056
8	1218	Body	2023-12-17	5200 MHz	34.807	4.564
9	1218	Body	2023-12-18	5300 MHz	34.738	4.649
10	1218	Body	2023-12-19	5600 MHz	34.278	4.920
11	1218	Body	2023-12-20	5800 MHz	33.938	5.124

Table D.2: System Validation Part 2

<b>CW Validation</b>	<b>Sensitivity</b>	PASS	PASS
	<b>Probe linearity</b>	PASS	PASS
	<b>Probe Isotropy</b>	PASS	PASS
<b>Mod Validation</b>	<b>MOD.type</b>	QPSK	QPSK
	<b>Duty factor</b>	PASS	PASS
	<b>PAR</b>	PASS	PASS