

## Appendix E System Check

E.1 Room:lse Laboratory SAR#1

E.1.1 Date/Time:2023-06-06, 10:51

Room Temp\_23.0 deg.C\_ Liquid Temp\_23.5 deg.C  
Measurement Report for Device, CW, Channel 0 (1900.0 MHz)

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 1900.0, 0                       | 8.21              | 1.45                   | 40.3             |

### Hardware Setup

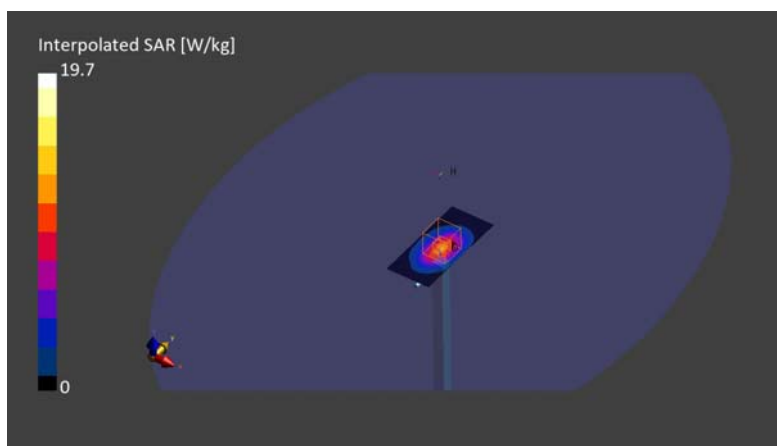
| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|------------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1203 | HBBL-600-10000 , 2023-Jun-06 | EX3DV4 - SN3917, 2023-05-23 | DAE4 Sn1369, 2023-05-23 |

### 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         | 1.4                |

### Measurement Results

|                    | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg]     | 10.2      | 10.3      |
| psSAR10g [W/Kg]    | 5.32      | 5.36      |
| Power Drift [dB]   | 0.02      | 0.01      |
| M2/M1 [%]          |           | 82.1      |
| Dist 3dB Peak [mm] |           | 9.6       |



E.1.2 Date/Time:2023-06-12, 10:31

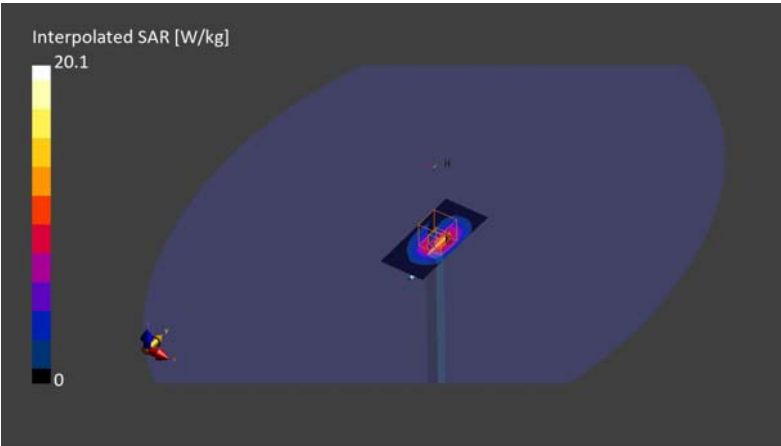
Room Temp\_23.0 deg.C\_ Liquid Temp\_23.5 deg.C  
Measurement Report for Device, , , CW, Channel 0 (1900.0 MHz)

| Exposure Conditions  |                              |      |            |                                 |                   |                        |                  |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat, HSL            | ,                            |      | CW, 0--    | 1900.0, 0                       | 8.21              | 1.42                   | 39.5             |

| Hardware Setup                     |                              |                             |                         |
|------------------------------------|------------------------------|-----------------------------|-------------------------|
| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date   |
| ELI V5.0 (20deg probe tilt) - 1203 | HBBL-600-10000 , 2023-Jun-12 | EX3DV4 - SN3917, 2023-05-23 | DAE4 Sn1369, 2023-05-23 |

| 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         | 1.4                |

| Measurement Results |           |           |
|---------------------|-----------|-----------|
|                     | Area Scan | Zoom Scan |
| psSAR1g [W/Kg]      | 10.8      | 10.4      |
| psSAR10g [W/Kg]     | 5.70      | 5.40      |
| Power Drift [dB]    | 0.00      | -0.01     |
| M2/M1 [%]           |           | 81.9      |
| Dist 3dB Peak [mm]  |           | 9.6       |



E.1.3 Date/Time:2023-06-13, 09:05

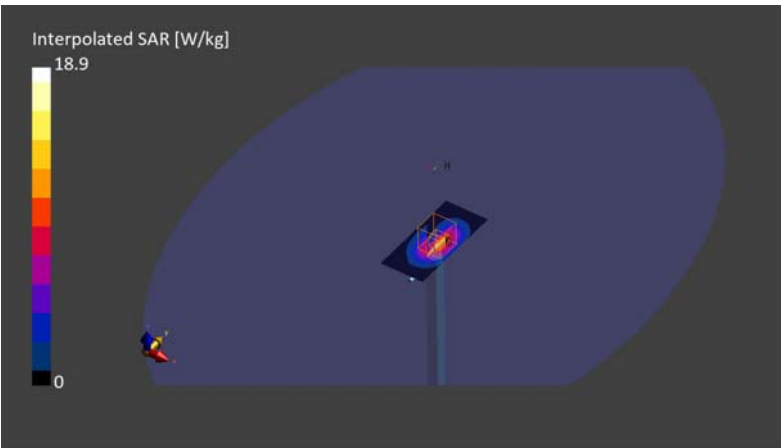
Room Temp\_23.5 deg.C\_ Liquid Temp\_23.5 deg.C  
Measurement Report for Device , CW, Channel 0 (1900.0 MHz)

| Exposure Conditions  |                              |      |            |                                 |                   |                        |                  |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat, HSL            | ,                            |      | CW, 0--    | 1900.0, 0                       | 8.21              | 1.37                   | 40.5             |

| Hardware Setup                     |                              |                             |                         |
|------------------------------------|------------------------------|-----------------------------|-------------------------|
| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date   |
| ELI V5.0 (20deg probe tilt) - 1203 | HBBL-600-10000 , 2023-Jun-13 | EX3DV4 - SN3917, 2023-05-23 | DAE4 Sn1369, 2023-05-23 |

| 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         | 1.4                |

| Measurement Results |           |           |
|---------------------|-----------|-----------|
|                     | Area Scan | Zoom Scan |
| psSAR1g [W/Kg]      | 10.2      | 9.94      |
| psSAR10g [W/Kg]     | 5.41      | 5.17      |
| Power Drift [dB]    | 0.01      | 0.01      |
| M2/M1 [%]           |           | 82.3      |
| Dist 3dB Peak [mm]  |           | 10.8      |



E.1.4 Date/Time:2023-06-13, 09:47

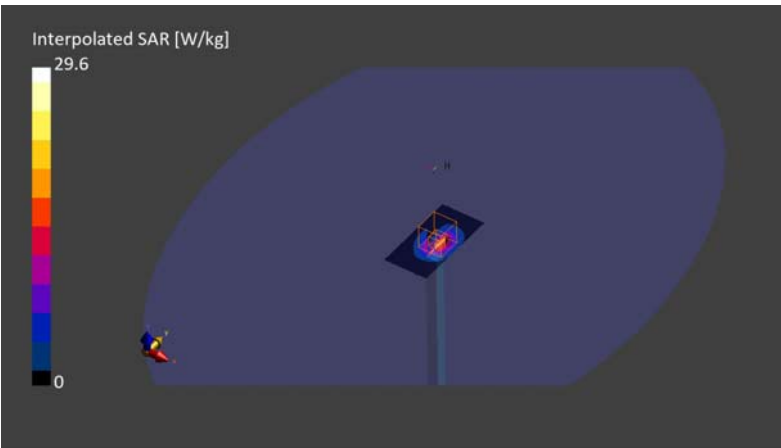
Room Temp\_23.5 deg.C\_ Liquid Temp\_23.5 deg.C  
Measurement Report for Device , CW, Channel 0 (2600.0 MHz)

| Exposure Conditions  |                              |      |            |                                 |                   |                        |                  |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat, HSL            | ,                            |      | CW, 0--    | 2600.0, 0                       | 7.47              | 1.89                   | 39.5             |

| Hardware Setup                     |                             |                             |                         |
|------------------------------------|-----------------------------|-----------------------------|-------------------------|
| Phantom                            | TSL, Measured Date          | Probe, Calibration Date     | DAE, Calibration Date   |
| ELI V5.0 (20deg probe tilt) - 1203 | HBBL-600-10000, 2023-Jun-13 | EX3DV4 - SN3917, 2023-05-23 | DAE4 Sn1369, 2023-05-23 |

| Scans Setup         |             |                    |
|---------------------|-------------|--------------------|
|                     | Area Scan   | Zoom Scan          |
| Grid Extents [mm]   | 40.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 10.0 | 5.0 x 5.0 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |

| Measurement Results |           |           |
|---------------------|-----------|-----------|
|                     | Area Scan | Zoom Scan |
| psSAR1g [W/Kg]      | 13.9      | 13.6      |
| psSAR10g [W/Kg]     | 6.39      | 6.14      |
| Power Drift [dB]    | -0.01     | 0.04      |
| M2/M1 [%]           |           | 80.0      |
| Dist 3dB Peak [mm]  |           | 9.0       |



E.1.5 Date/Time:2023-06-19, 10:10

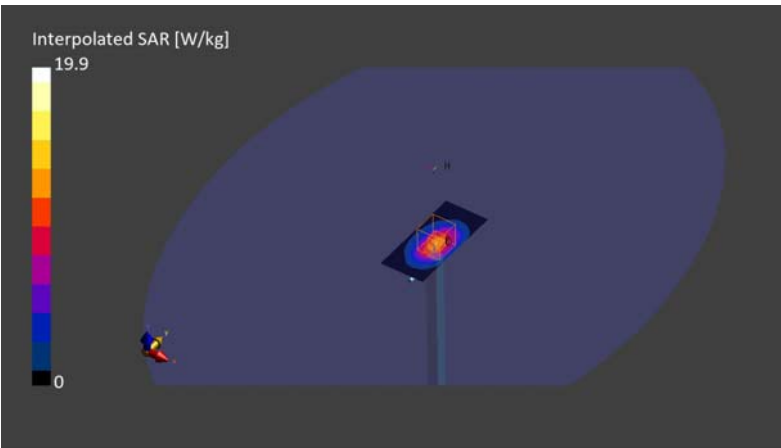
Room Temp\_22.5 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device, CW, Channel 0 (1900.0 MHz)

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 1900.0, 0                       | 8.21              | 1.40                   | 39.8             |

| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|------------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1203 | HBBL-600-10000 , 2023-Jun-19 | EX3DV4 - SN3917, 2023-05-23 | DAE4 Sn1369, 2023-05-23 |

|                     | 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                |

|                    | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg]     | 10.8      | 10.5      |
| psSAR10g [W/Kg]    | 5.70      | 5.49      |
| Power Drift [dB]   | -0.01     | 0.00      |
| M2/M1 [%]          |           | 82.3      |
| Dist 3dB Peak [mm] |           | 10.8      |



E.1.6 Date/Time:2023-06-20, 17:37

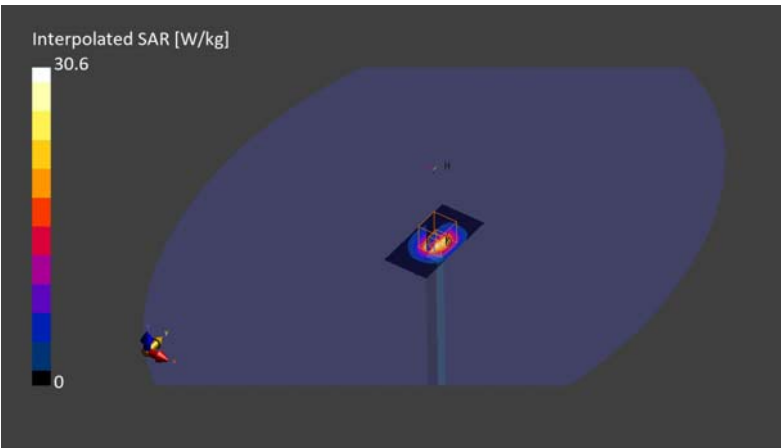
Room Temp\_22.5 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device , CW, Channel 0 (2600.0 MHz)

| Exposure Conditions  |                              |      |            |                                 |                   |                        |                  |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat, HSL            | ,                            |      | CW, 0--    | 2600.0, 0                       | 7.47              | 1.94                   | 39.4             |

| Hardware Setup                     |                              |                             |                         |
|------------------------------------|------------------------------|-----------------------------|-------------------------|
| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date   |
| ELI V5.0 (20deg probe tilt) - 1203 | HBBL-600-10000 , 2023-Jun-20 | EX3DV4 - SN3917, 2023-05-23 | DAE4 Sn1369, 2023-05-23 |

| Scans Setup         |             |                    |
|---------------------|-------------|--------------------|
|                     | Area Scan   | Zoom Scan          |
| Grid Extents [mm]   | 40.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 10.0 | 5.0 x 5.0 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |

| Measurement Results |           |           |
|---------------------|-----------|-----------|
|                     | Area Scan | Zoom Scan |
| psSAR1g [W/Kg]      | 14.6      | 14.3      |
| psSAR10g [W/Kg]     | 6.66      | 6.44      |
| Power Drift [dB]    | -0.00     | 0.06      |
| M2/M1 [%]           |           | 80.3      |
| Dist 3dB Peak [mm]  |           | 9.0       |



E.1.7 Date/Time:2023-06-23, 11:13

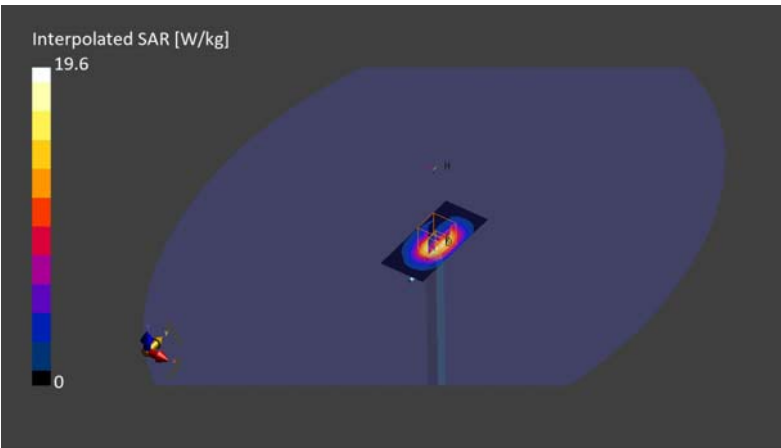
Room Temp\_22.5 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device , CW, Channel 0 (1900.0 MHz)

| Exposure Conditions  |                              |      |            |                                 |                   |                        |                  |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat, HSL            | ,                            |      | CW, 0--    | 1900.0, 0                       | 8.21              | 1.40                   | 38.9             |

| Hardware Setup                     |                              |                             |                         |
|------------------------------------|------------------------------|-----------------------------|-------------------------|
| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date   |
| ELI V5.0 (20deg probe tilt) - 1203 | HBBL-600-10000 , 2023-Jun-23 | EX3DV4 - SN3917, 2023-05-23 | DAE4 Sn1369, 2023-05-23 |

| 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         | 1.4                |

| Measurement Results |           |           |
|---------------------|-----------|-----------|
|                     | Area Scan | Zoom Scan |
| psSAR1g [W/Kg]      | 10.7      | 10.3      |
| psSAR10g [W/Kg]     | 5.68      | 5.38      |
| Power Drift [dB]    | -0.08     | 0.05      |
| M2/M1 [%]           |           | 82.0      |
| Dist 3dB Peak [mm]  |           | 9.9       |



### E.1.8 Date/Time:2023-07-04, 09:47

Room Temp\_22.5 deg.C\_ Liquid Temp\_22.0 deg.C  
Measurement Report for Device , CW, Channel 0 (2450.0 MHz)

#### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 2450.0, 0                       | 7.85              | 1.74                   | 38.9             |

#### Hardware Setup

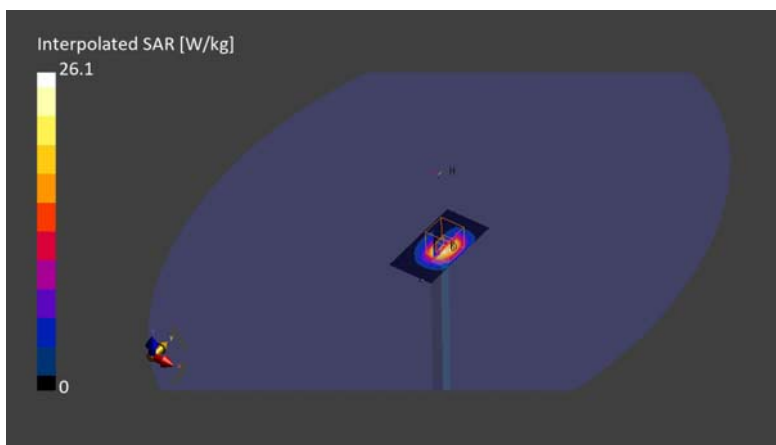
| Phantom                            | TSL, Measured Date          | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1203 | HBBL-600-10000, 2023-Jul-04 | EX3DV4 - SN3922, 2022-08-19 | DAE4 Sn1369, 2023-05-23 |

#### Scans Setup

|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 40.0 x 80.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 10.0 | 5.0 x 5.0 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |

#### Measurement Results

|                    | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg]     | 12.7      | 12.5      |
| psSAR10g [W/Kg]    | 6.13      | 5.83      |
| Power Drift [dB]   | -0.03     | 0.01      |
| M2/M1 [%]          |           | 80.4      |
| Dist 3dB Peak [mm] |           | 9.0       |



E.1.9 Date/Time:2023-07-04, 10:42

Room Temp\_22.5 deg.C\_ Liquid Temp\_22.0 deg.C  
Measurement Report for Device, , , CW, Channel 0 (5250.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 5250.0, 0                       | 5.54              | 4.65                   | 36.2             |

Hardware Setup

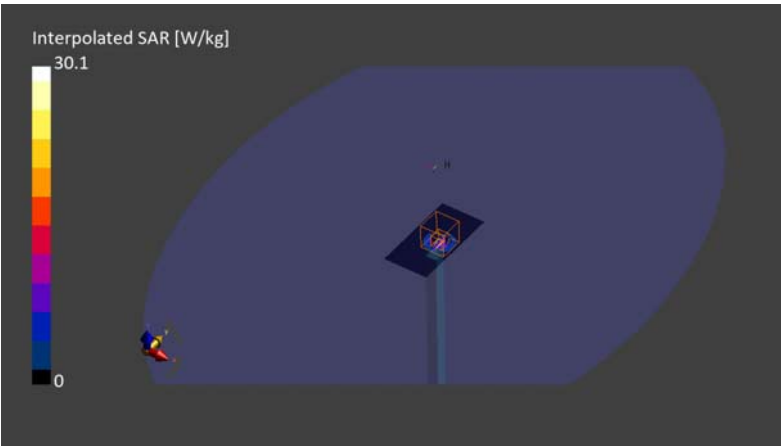
| Phantom                            | TSL, Measured Date          | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1203 | HBBL-600-10000, 2023-Jul-04 | EX3DV4 - SN3922, 2022-08-19 | DAE4 Sn1369, 2023-05-23 |

Scans Setup

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

Measurement Results

|                    | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg]     | 7.11      | 7.63      |
| psSAR10g [W/Kg]    | 2.17      | 2.18      |
| Power Drift [dB]   | -0.03     | -0.03     |
| M2/M1 [%]          |           | 65.8      |
| Dist 3dB Peak [mm] |           | 7.3       |



E.1.10 Date/Time:2023-07-08 8:36:31

Room Temp\_24.0 deg.C\_ Liquid Temp\_23.5 deg.C

Frequency: 750 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.878$  S/m;  $\epsilon_r = 42.014$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.09, 10.09, 10.09) @ 750 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Configuration/250mW/Area Scan (7x7x1):** Measurement grid: dx=15 mm, dy=15 mm  
Maximum value of SAR (measured) = 2.70 W/kg

**Configuration/250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5 mm, dy=5 mm, dz=5 mm  
Reference Value = 61.05 V/m; Power Drift = 0.01 dB

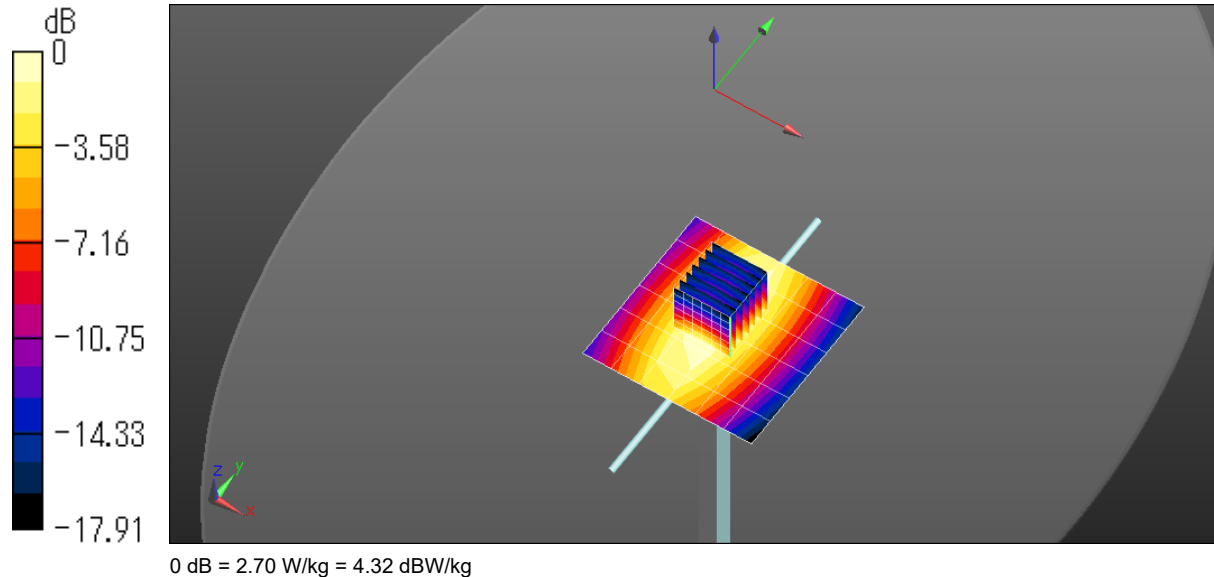
Peak SAR (extrapolated) = 3.34 W/kg

**SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.46 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)

Ratio of SAR at M2 to SAR at M1 = 66.2%

Maximum value of SAR (measured) = 2.96 W/kg



E.1.11 Date/Time:2023-07-08 9:12:10

Room Temp\_24.0 deg.C\_ Liquid Temp\_23.5 deg.C

Frequency: 835 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.905 \text{ S/m}$ ;  $\epsilon_r = 41.818$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.04, 10.04, 10.04) @ 835 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Configuration/250mW 2/Area Scan (7x7x1):** Measurement grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$   
Maximum value of SAR (measured) = 3.21 W/kg

**Configuration/250mW 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5 \text{ mm}$ ,  $dy=5 \text{ mm}$ ,  $dz=5 \text{ mm}$

Reference Value = 63.88 V/m; Power Drift = 0.02 dB

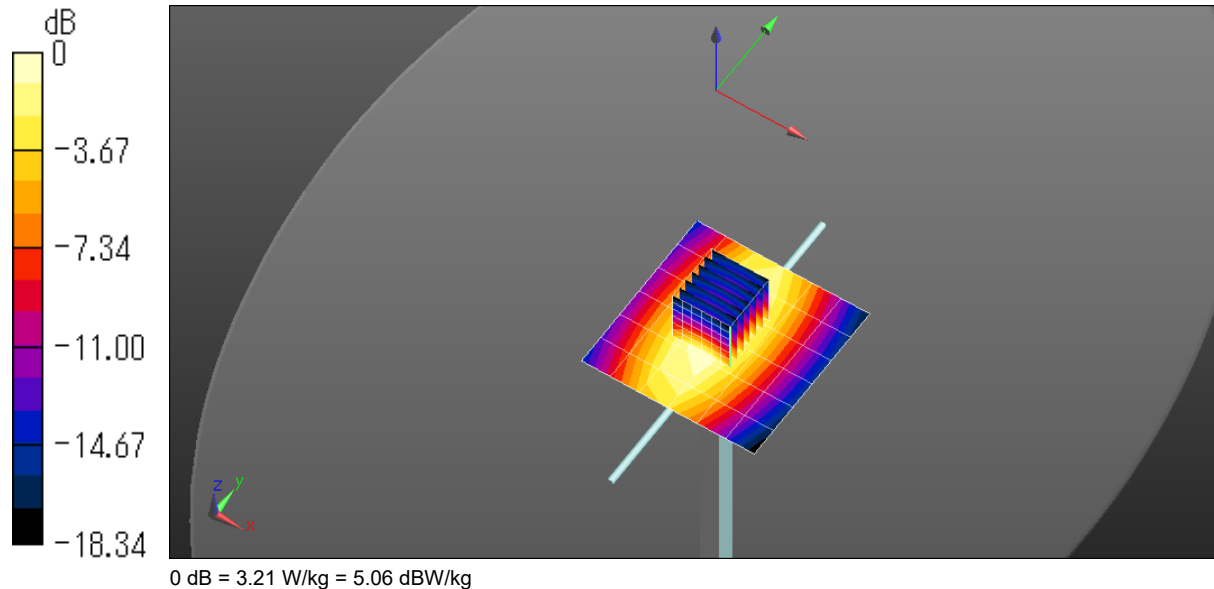
Peak SAR (extrapolated) = 3.93 W/kg

**SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.64 W/kg**

Smallest distance from peaks to all points 3 dB below = 20.5 mm

Ratio of SAR at M2 to SAR at M1 = 64.4 %

Maximum value of SAR (measured) = 3.44 W/kg



E.1.12 Date/Time:2023-07-13 9:05:00

Room Temp\_20.0 deg.C\_ Liquid Temp\_20.0 deg.C

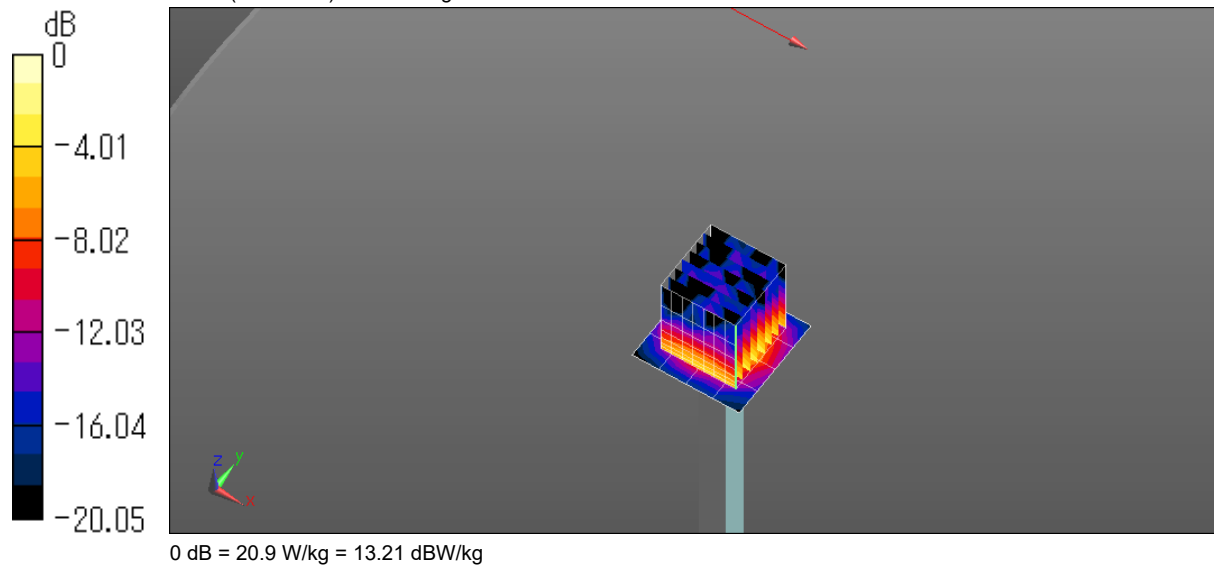
Frequency: 5600 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.857$  S/m;  $\epsilon_r = 36.609$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(4.68, 4.68, 4.68) @ 5600 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin/100mW/Area Scan (5x5x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 20.9 W/kg

**Pin/100mW/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 72.54 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 34.6 W/kg  
**SAR(1 g) = 8.41 W/kg; SAR(10 g) = 2.43 W/kg**  
Smallest distance from peaks to all points 3 dB below = 7.4 mm  
Ratio of SAR at M2 to SAR at M1 = 64.3%  
Maximum value of SAR (measured) = 20.1 W/kg



E.1.13 Date/Time:2023-07-14 9:39:28

Room Temp\_20.0 deg.C\_ Liquid Temp\_20.0 deg.C

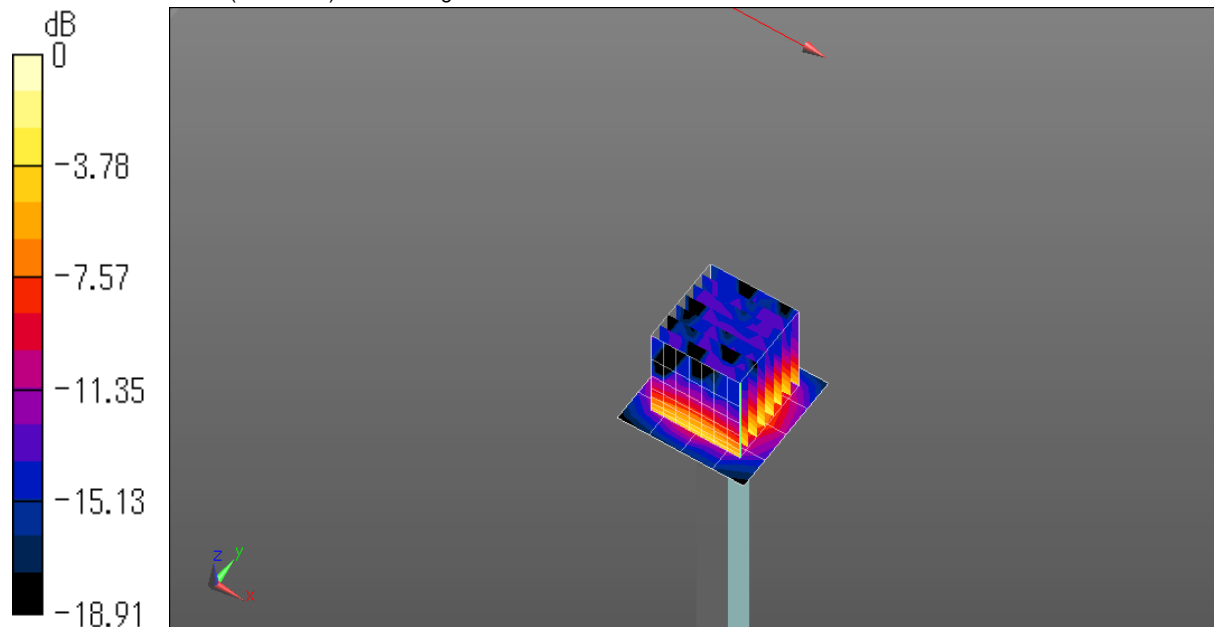
Frequency: 5800 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.123$  S/m;  $\epsilon_r = 36.332$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(4.85, 4.85, 4.85) @ 5800 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin/100mW/Area Scan (5x5x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 20.4 W/kg

**Pin/100mW/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 70.14 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 35.4 W/kg  
**SAR(1 g) = 8.21 W/kg; SAR(10 g) = 2.38 W/kg**  
Smallest distance from peaks to all points 3 dB below = 7.5 mm  
Ratio of SAR at M2 to SAR at M1 = 62.7%  
Maximum value of SAR (measured) = 20.1 W/kg



0 dB = 20.4 W/kg = 13.10 dBW/kg

E.1.14 Date/Time:2023-07-18 18:22:13

Room Temp\_20.0 deg.C\_ Liquid Temp\_19.5 deg.C

Frequency: 2450 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.745$  S/m;  $\epsilon_r = 39.999$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(7.85, 7.85, 7.85) @ 2450 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin/250mW/Area Scan (9x8x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 21.3 W/kg

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

Reference Value = 115.9 V/m; Power Drift = -0.04 dB

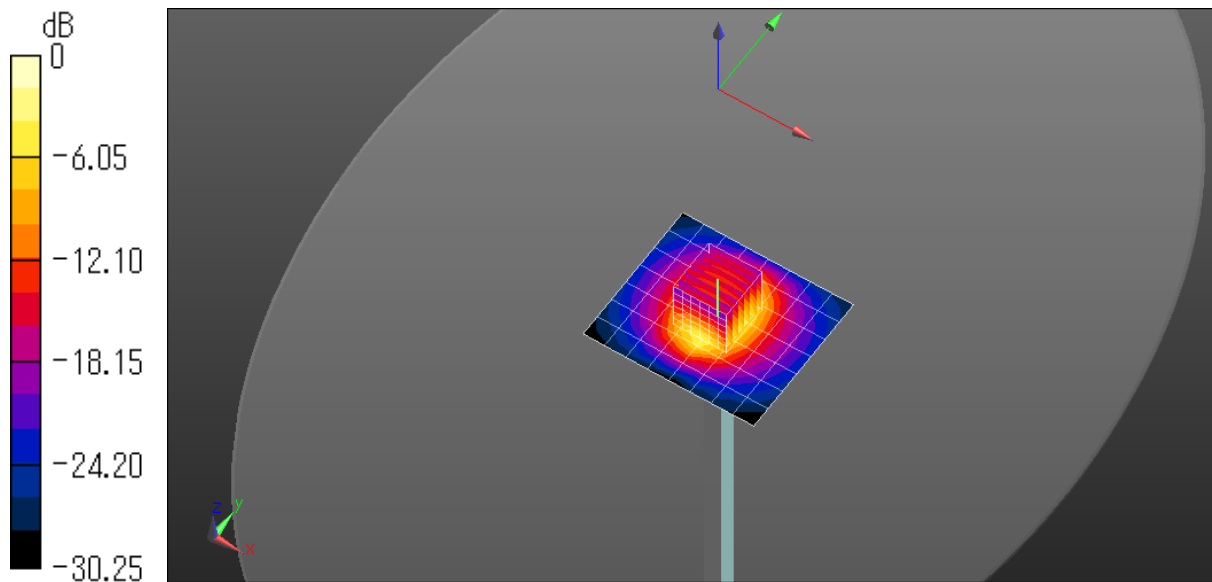
Peak SAR (extrapolated) = 26.7 W/kg

**SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.24 W/kg**

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 50.3%

Maximum value of SAR (measured) = 21.6 W/kg



0 dB = 21.3 W/kg = 13.28 dBW/kg

E.2 Room:Ise Laboratory SAR#2  
E.2.1 Date/Time:2023-06-05, 12:34

Room Temp\_23.0 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device, CW, Channel 0 (835.0 MHz)

**Exposure Conditions**

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 835.0, 0                        | 9.7               | 0.923                  | 43.8             |

**Hardware Setup**

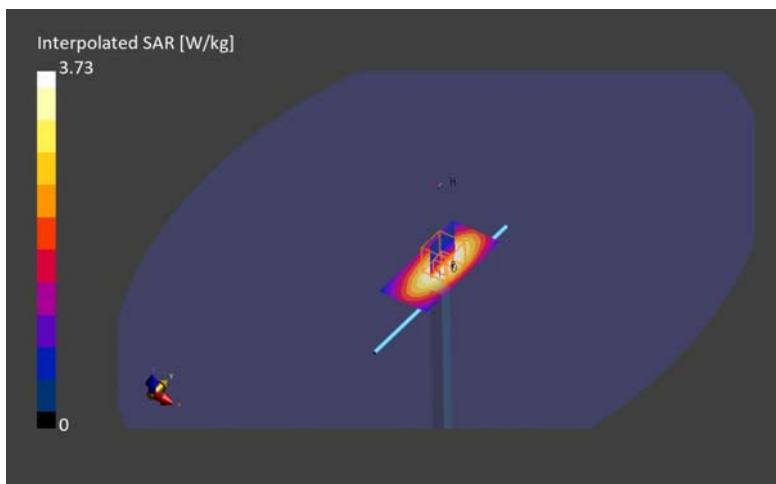
| Phantom                            | TSL, Measured Date          | Probe, Calibration Date     | DAE, Calibration Date  |
|------------------------------------|-----------------------------|-----------------------------|------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000, 2023-Jun-05 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn509, 2022-07-13 |

**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]     | 2.49      | 2.43      |
| psSAR10g [W/Kg]    | 1.64      | 1.58      |
| Power Drift [dB]   | 0.00      | 0.01      |
| M2/M1 [%]          |           | 87.9      |
| Dist 3dB Peak [mm] |           | 19.7      |



E.2.2 Date/Time:2023-06-08, 08:11

Room Temp\_23.0 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device, , , CW, Channel 0 (1750.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 1750.0, 0                       | 8.8               | 1.31                   | 39.7             |

Hardware Setup

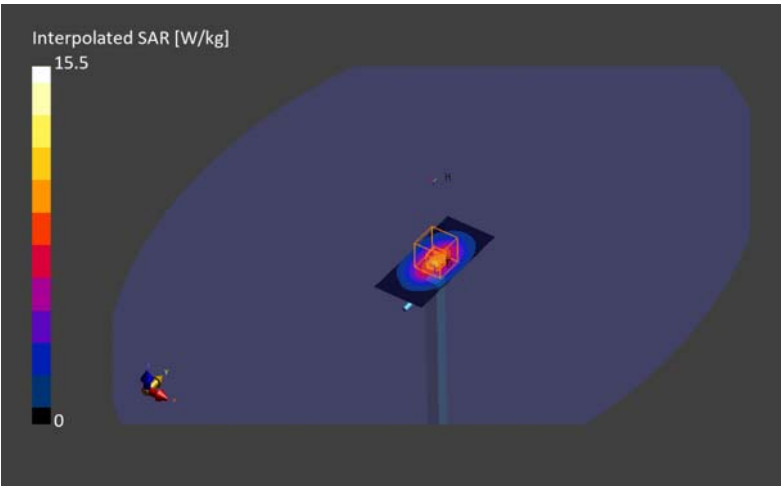
| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date  |
|------------------------------------|------------------------------|-----------------------------|------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000 , 2023-Jun-08 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn509, 2022-07-13 |

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]     | 8.64      | 8.45      |
| psSAR10g [W/Kg]    | 4.60      | 4.52      |
| Power Drift [dB]   | 0.00      | -0.00     |
| M2/M1 [%]          |           | 83.2      |
| Dist 3dB Peak [mm] |           | 10.8      |



### E.2.3 Date/Time:2023-06-12, 07:52

Room Temp\_23.0 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device , CW, Channel 0 (1750.0 MHz)

#### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 1750.0, 0                       | 8.8               | 1.35                   | 39.5             |

#### Hardware Setup

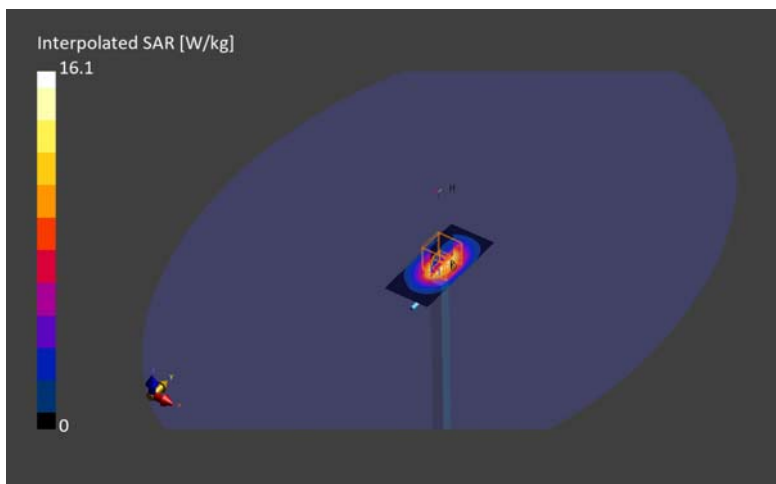
| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date  |
|------------------------------------|------------------------------|-----------------------------|------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000 , 2023-Jun-12 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn509, 2022-07-13 |

#### 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]     | 8.90      | 8.57      |
| psSAR10g [W/Kg]    | 4.75      | 4.54      |
| Power Drift [dB]   | -0.03     | 0.00      |
| M2/M1 [%]          |           | 82.7      |
| Dist 3dB Peak [mm] |           | 9.9       |



#### E.2.4 Date/Time:2023-06-13, 11:08

Room Temp\_23.0 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device , CW, Channel 0 (835.0 MHz)

##### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 835.0, 0                        | 9.7               | 0.938                  | 42.1             |

##### Hardware Setup

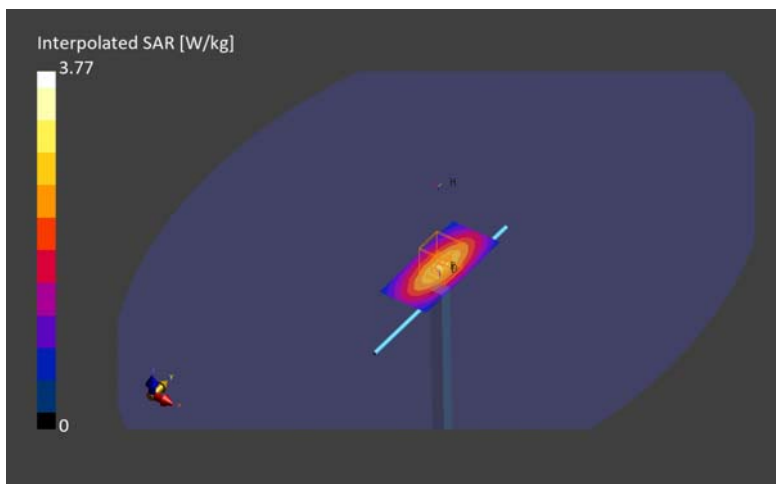
| Phantom                            | TSL, Measured Date                      | Probe, Calibration Date     | DAE, Calibration Date  |
|------------------------------------|-----------------------------------------|-----------------------------|------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000 2023-Jun-13, 2023-Jun-13 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn509, 2022-07-13 |

##### 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]     | 2.53      | 2.48      |
| psSAR10g [W/Kg]    | 1.66      | 1.63      |
| Power Drift [dB]   | -0.00     | -0.00     |
| M2/M1 [%]          |           | 88.0      |
| Dist 3dB Peak [mm] |           | 18.4      |



E.2.5 Date/Time:2023-06-13, 10:26

Room Temp\_23.0 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device, , , CW, Channel 0 (1750.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 1750.0, 0                       | 8.8               | 1.36                   | 40.2             |

Hardware Setup

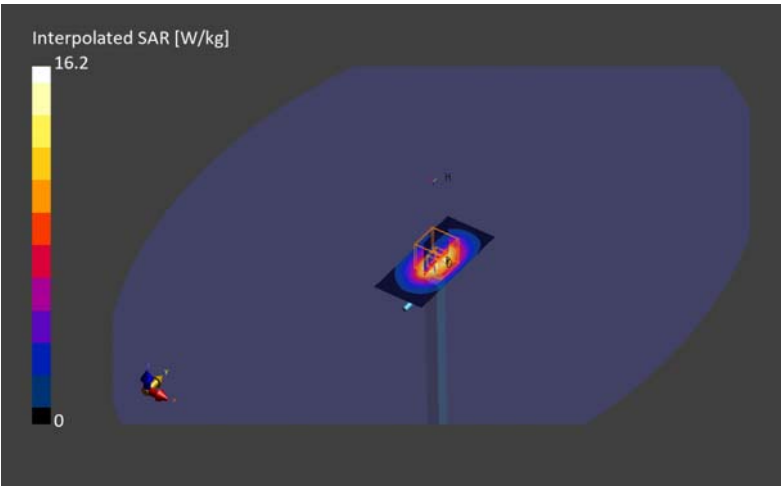
| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date  |
|------------------------------------|------------------------------|-----------------------------|------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000 , 2023-Jun-13 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn509, 2022-07-13 |

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]     | 8.96      | 8.73      |
| psSAR10g [W/Kg]    | 4.79      | 4.65      |
| Power Drift [dB]   | 0.01      | 0.01      |
| M2/M1 [%]          |           | 82.8      |
| Dist 3dB Peak [mm] |           | 10.8      |



E.2.6 Date/Time:2023-06-19, 09:00

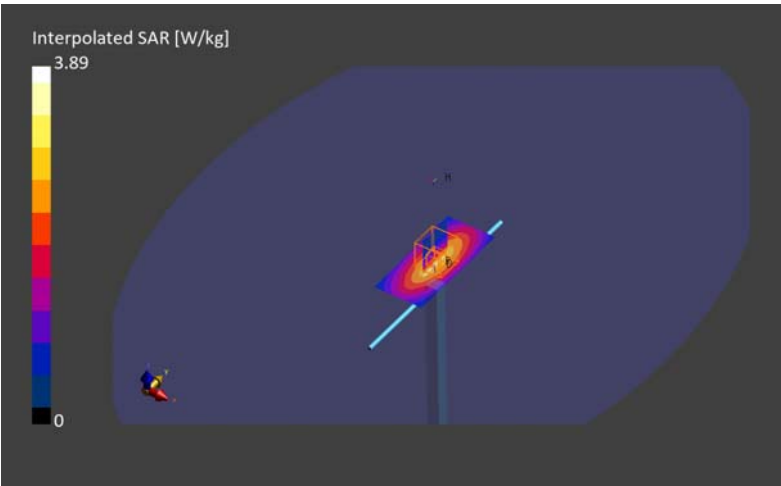
Room Temp\_23.0 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device, CW, Channel 0 (835.0 MHz)

| Exposure Conditions  |                              |      |            |                                 |                   |                        |                  |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat, HSL            | ,                            |      | CW, 0--    | 835.0, 0                        | 9.7               | 0.942                  | 40.9             |

| Hardware Setup                     |                             |                             |                         |
|------------------------------------|-----------------------------|-----------------------------|-------------------------|
| Phantom                            | TSL, Measured Date          | Probe, Calibration Date     | DAE, Calibration Date   |
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000, 2023-Jun-19 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn1372, 2023-03-16 |

| 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]      | 2.54      | 2.49      |
| psSAR10g [W/Kg]     | 1.67      | 1.61      |
| Power Drift [dB]    | -0.00     | -0.01     |
| M2/M1 [%]           |           | 87.1      |
| Dist 3dB Peak [mm]  |           | 18.4      |



### E.2.7 Date/Time:2023-06-20, 12:40

Room Temp\_23.0 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device , CW, Channel 0 (835.0 MHz)

#### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 835.0, 0                        | 9.7               | 0.943                  | 40.2             |

#### Hardware Setup

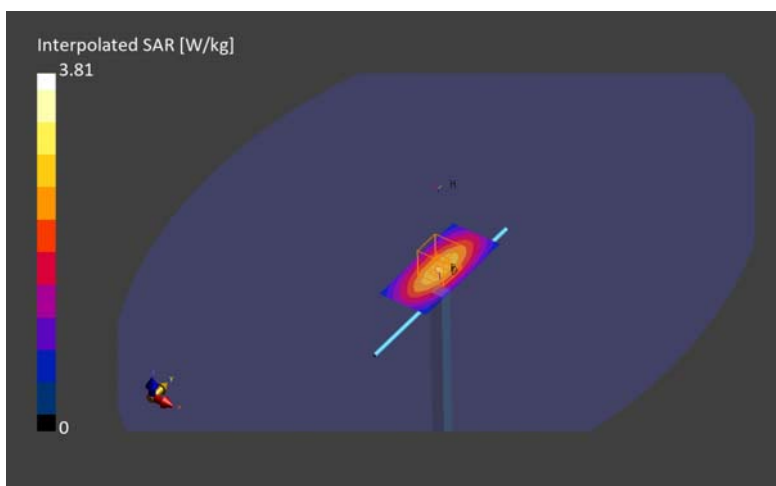
| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|------------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000 , 2023-Jun-20 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn1372, 2023-03-16 |

#### 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]     | 2.52      | 2.48      |
| psSAR10g [W/Kg]    | 1.66      | 1.62      |
| Power Drift [dB]   | 0.00      | 0.00      |
| M2/M1 [%]          |           | 87.5      |
| Dist 3dB Peak [mm] |           | 22.1      |



E.2.8 Date/Time:2023-06-20, 13:13

Room Temp\_23.0 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device, , , CW, Channel 0 (1750.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 1750.0, 0                       | 8.8               | 1.34                   | 38.4             |

Hardware Setup

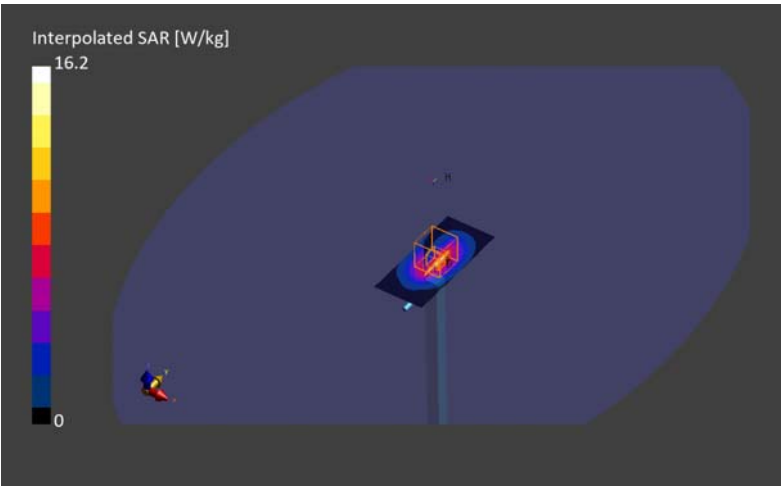
| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|------------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000 , 2023-Jun-20 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn1372, 2023-03-16 |

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]     | 8.79      | 8.71      |
| psSAR10g [W/Kg]    | 4.70      | 4.62      |
| Power Drift [dB]   | -0.04     | 0.02      |
| M2/M1 [%]          |           | 82.8      |
| Dist 3dB Peak [mm] |           | 10.3      |



## E.2.9 Date/Time:2023-06-26, 09:13

Room Temp\_23.0 deg.C\_ Liquid Temp\_22.5 deg.C  
Measurement Report for Device, , , CW, Channel 0 (835.0 MHz)

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 835.0, 0                        | 9.7               | 0.940                  | 39.9             |

### Hardware Setup

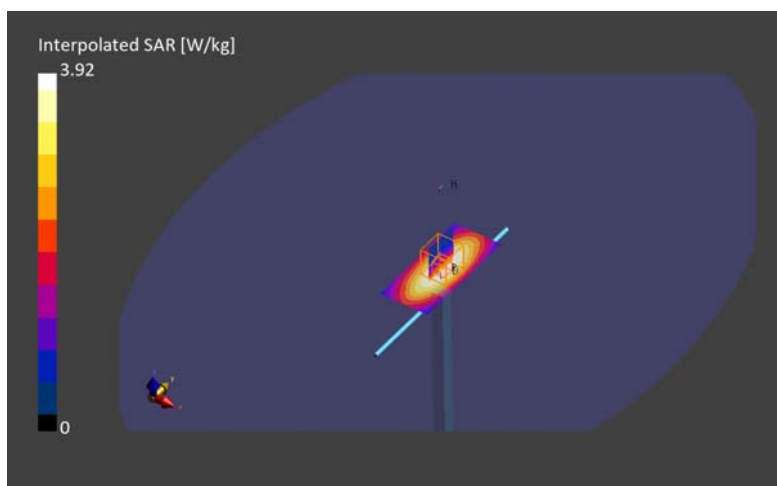
| Phantom                            | TSL, Measured Date           | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|------------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000 , 2023-Jun-26 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn1372, 2023-03-16 |

### 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]     | 2.61      | 2.54      |
| psSAR10g [W/Kg]    | 1.72      | 1.65      |
| Power Drift [dB]   | 0.00      | -0.02     |
| M2/M1 [%]          |           | 87.6      |
| Dist 3dB Peak [mm] |           | 20.5      |



E.2.10 Date/Time:2023-07-03, 16:12

Room Temp\_24.0 deg.C, Liquid Temp\_23.5 deg.C  
Measurement Report for Device, CW, Channel 0 (5600.0 MHz)

#### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 5600.0, 0                       | 4.91              | 4.82                   | 36.2             |

#### Hardware Setup

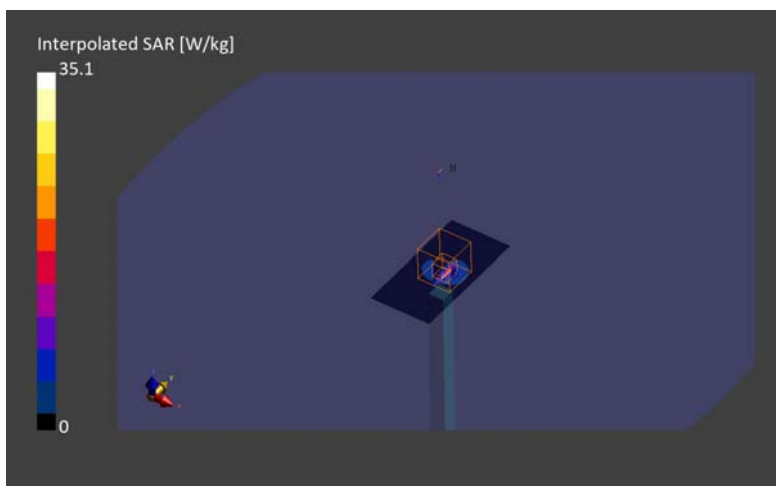
| Phantom                            | TSL, Measured Date          | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000, 2023-Jul-03 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn1372, 2023-03-16 |

#### Scans Setup

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

#### Measurement Results

|                    | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg]     | 8.09      | 8.44      |
| psSAR10g [W/Kg]    | 2.37      | 2.42      |
| Power Drift [dB]   | 0.03      | 0.05      |
| M2/M1 [%]          |           | 62.9      |
| Dist 3dB Peak [mm] |           | 7.2       |



## E.2.11 Date/Time:2023-07-03, 16:31

Room Temp\_24.0 deg.C\_ Liquid Temp\_23.5 deg.C  
Measurement Report for Device, CW, Channel 0 (5800.0 MHz)

Date/Time:2023-07-03, 16:31

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 5800.0, 0                       | 5.19              | 5.09                   | 35.8             |

### Hardware Setup

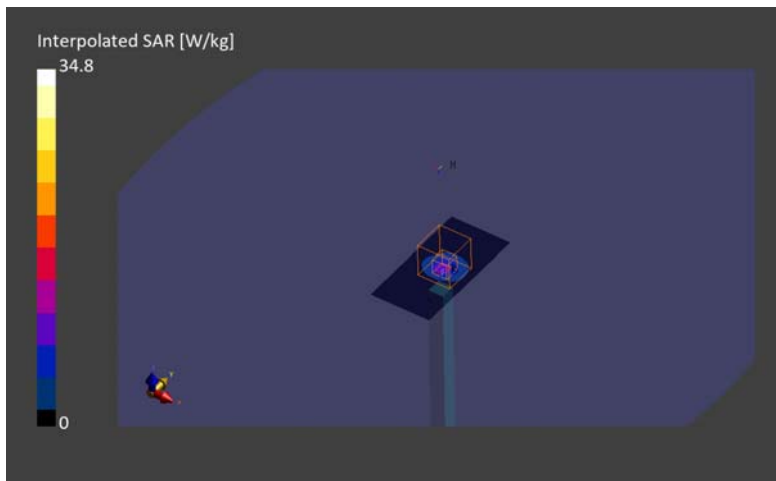
| Phantom                            | TSL, Measured Date          | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000, 2023-Jul-03 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn1372, 2023-03-16 |

### Scans Setup

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

### Measurement Results

|                    | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg]     | 7.61      | 7.99      |
| psSAR10g [W/Kg]    | 2.25      | 2.30      |
| Power Drift [dB]   | -0.06     | 0.04      |
| M2/M1 [%]          |           | 61.1      |
| Dist 3dB Peak [mm] |           | 7.2       |



E.2.12 Date/Time:2023-07-08 9:43:01

Room Temp\_24.0 deg.C\_ Liquid Temp\_23.5 deg.C

Frequency: 1750 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.331$  S/m;  $\epsilon_r = 38.599$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1750 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin/250mW/Area Scan (7x7x1):** Measurement grid: dx=15 mm, dy=15 mm  
Maximum value of SAR (measured) = 9.60 W/kg

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

Reference Value = 105.7 V/m; Power Drift = -0.00 dB

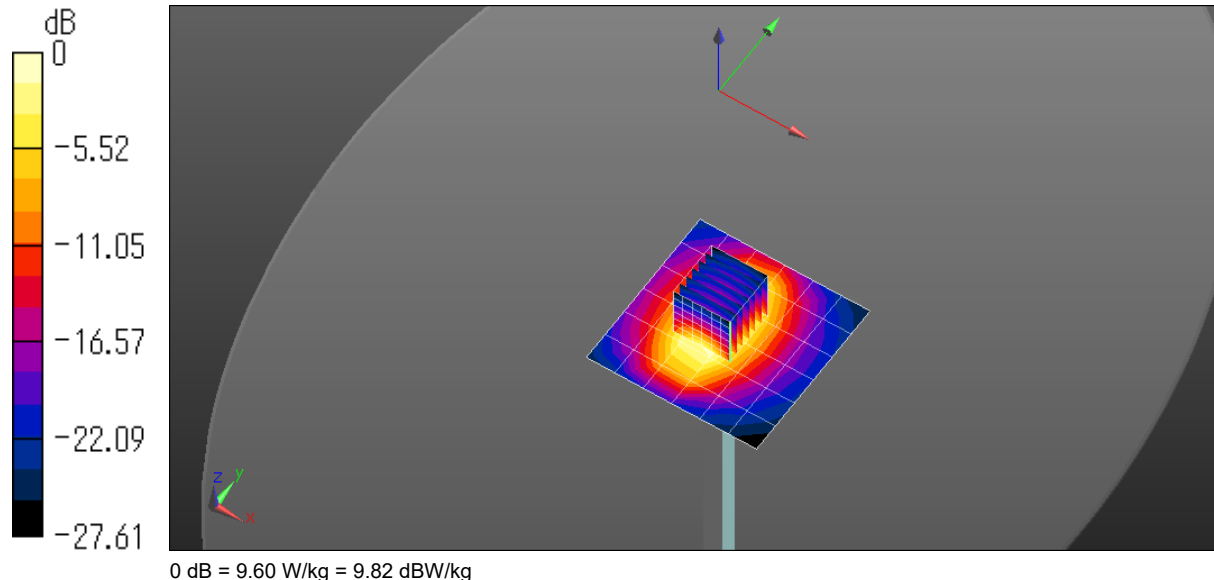
Peak SAR (extrapolated) = 16.2 W/kg

**SAR(1 g) = 8.84 W/kg; SAR(10 g) = 4.69 W/kg**

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 54. 8%

Maximum value of SAR (measured) = 13.7 W/kg



E.2.13 Date/Time:2023-07-08 10:26:55

Room Temp\_24.0 deg.C\_ Liquid Temp\_23.5 deg.C

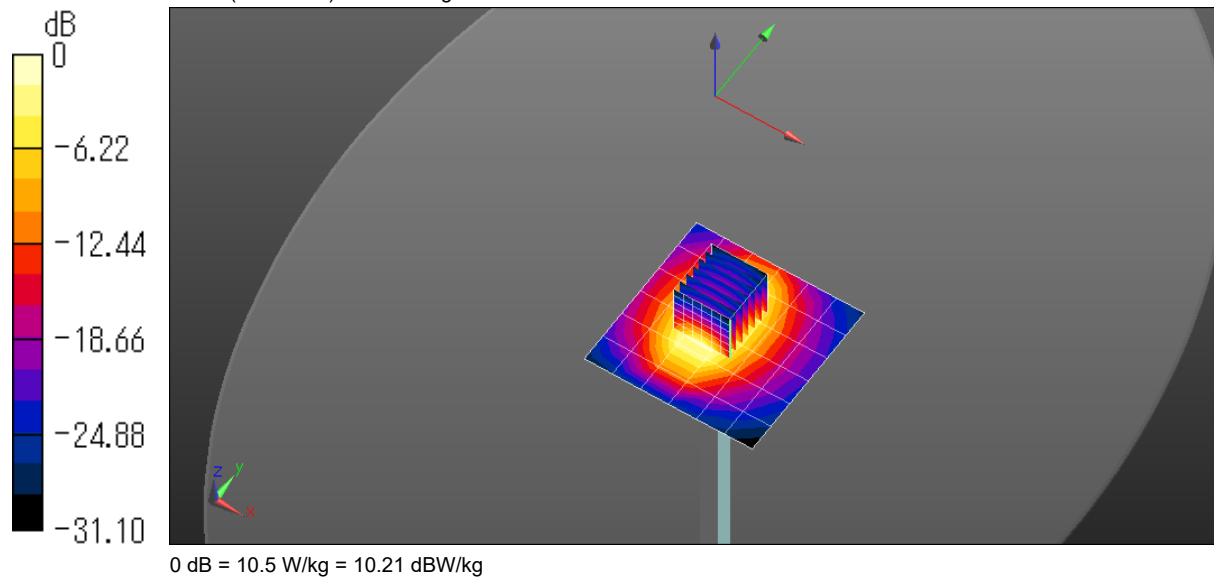
Frequency: 1900 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.417$  S/m;  $\epsilon_r = 38.355$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.35, 8.13, 8.46) @ 1900 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin/250mW 2/Area Scan (7x7x1):** Measurement grid: dx=15 mm, dy=15 mm  
Maximum value of SAR (measured) = 10.5 W/kg

**Pin/250mW 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5 mm, dy=5 mm, dz= 5mm  
Reference Value = 111.6 V/m; Power Drift = -0.00 dB  
Peak SAR (extrapolated) = 18.9 W/kg  
**SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.41 W/kg**  
Smallest distance from peaks to all points 3 dB below = 10 mm  
Ratio of SAR at M2 to SAR at M1 = 55.1 %  
Maximum value of SAR (measured) = 16.0 W/kg



E.2.14 Date/Time:2023-07-12, 20:04

Room Temp\_20.0 deg.C\_ Liquid Temp\_20.0 deg.C

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 5600.0, 0                       | 4.91              | 4.97                   | 35.0             |

Hardware Setup

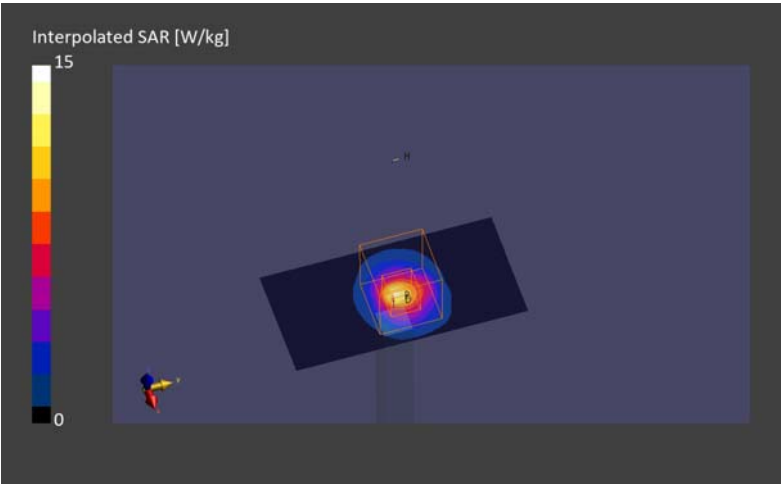
| Phantom                            | TSL, Measured Date                                    | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-------------------------------------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000 2023-Jun-30 only precheck, 2023-Jul-12 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn1372, 2023-03-16 |

Scans Setup

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

Measurement Results

|                    | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg]     | 8.27      | 8.58      |
| psSAR10g [W/Kg]    | 2.43      | 2.48      |
| Power Drift [dB]   | 0.01      | 0.03      |
| M2/M1 [%]          |           | 63.6      |
| Dist 3dB Peak [mm] |           | 7.6       |



E.2.15 Date/Time:2023-07-12, 20:19

Room Temp\_20.0 deg.C.\_Liquid Temp\_20.0 deg.C

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | CW, 0--    | 5800.0, 0                       | 5.19              | 5.25                   | 34.7             |

Hardware Setup

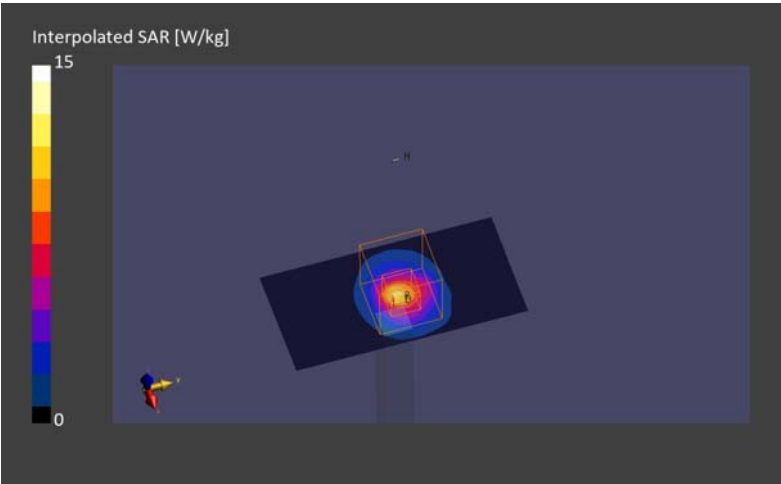
| Phantom                            | TSL, Measured Date                                    | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-------------------------------------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1207 | HBBL-600-10000 2023-Jun-30 only precheck, 2023-Jul-12 | EX3DV4 - SN7652, 2023-04-24 | DAE4 Sn1372, 2023-03-16 |

Scans Setup

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

Measurement Results

|                    | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg]     | 7.71      | 7.97      |
| psSAR10g [W/Kg]    | 2.28      | 2.31      |
| Power Drift [dB]   | 0.03      | 0.02      |
| M2/M1 [%]          |           | 61.8      |
| Dist 3dB Peak [mm] |           | 7.9       |



E.2.16 Date/Time:2023-07-17 10:23:08

Room Temp\_20.0 deg.C\_ Liquid Temp\_20.0 deg.C

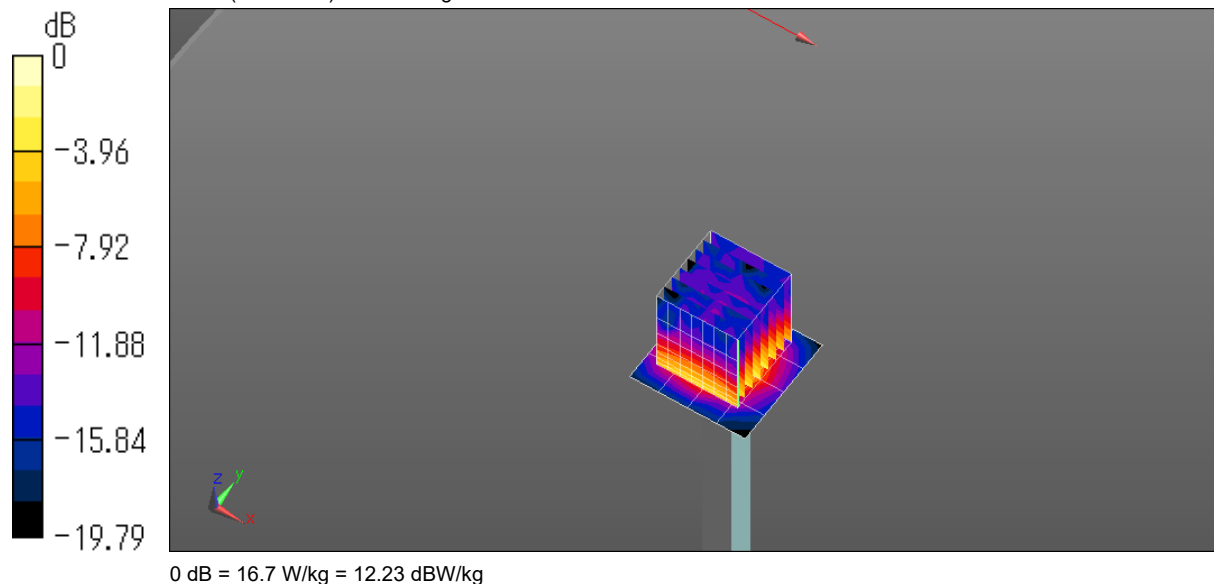
Frequency: 5250 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.574$  S/m;  $\epsilon_r = 37.248$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(5.72, 5.63, 5.91) @ 5250 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin/100mW 3/Area Scan (5x5x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 16.7 W/kg

**Pin/100mW 3/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 65.73 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 30.6 W/kg  
**SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.24 W/kg**  
Smallest distance from peaks to all points 3 dB below = 7.2 mm  
Ratio of SAR at M2 to SAR at M1 = 65.6%  
Maximum value of SAR (measured) = 18.4 W/kg



E.2.17 Date/Time:2023-07-17 13:31:53

Room Temp\_20.0 deg.C\_ Liquid Temp\_20.0 deg.C

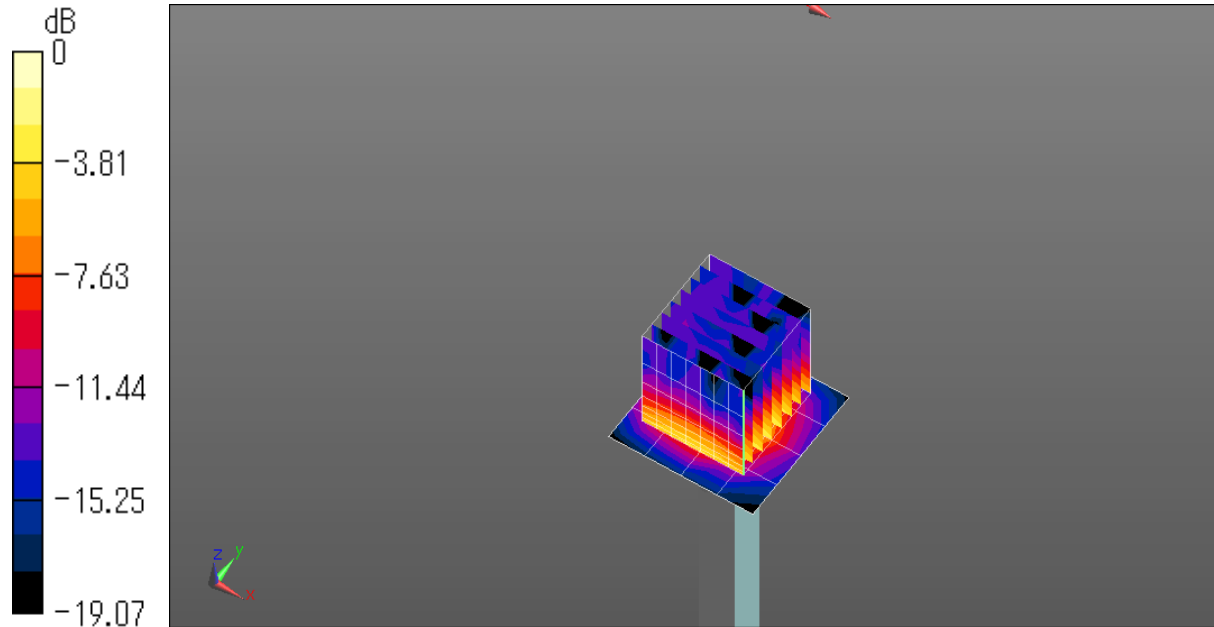
Frequency: 5600 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.906$  S/m;  $\epsilon_r = 36.78$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(4.91, 4.83, 5.07) @ 5600 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin/100mW 2/Area Scan (5x5x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 19.5 W/kg

**Pin/100mW 2/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 69.44 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 35.5 W/kg  
**SAR(1 g) = 8.47 W/kg; SAR(10 g) = 2.44 W/kg**  
Smallest distance from peaks to all points 3 dB below = 7.4 mm  
Ratio of SAR at M2 to SAR at M1 = 63.6%  
Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 19.5 W/kg = 12.91 dBW/kg

E.2.18 Date/Time:2023-07-17 14:20:21

Room Temp\_20.0 deg.C\_ Liquid Temp\_20.0 deg.C

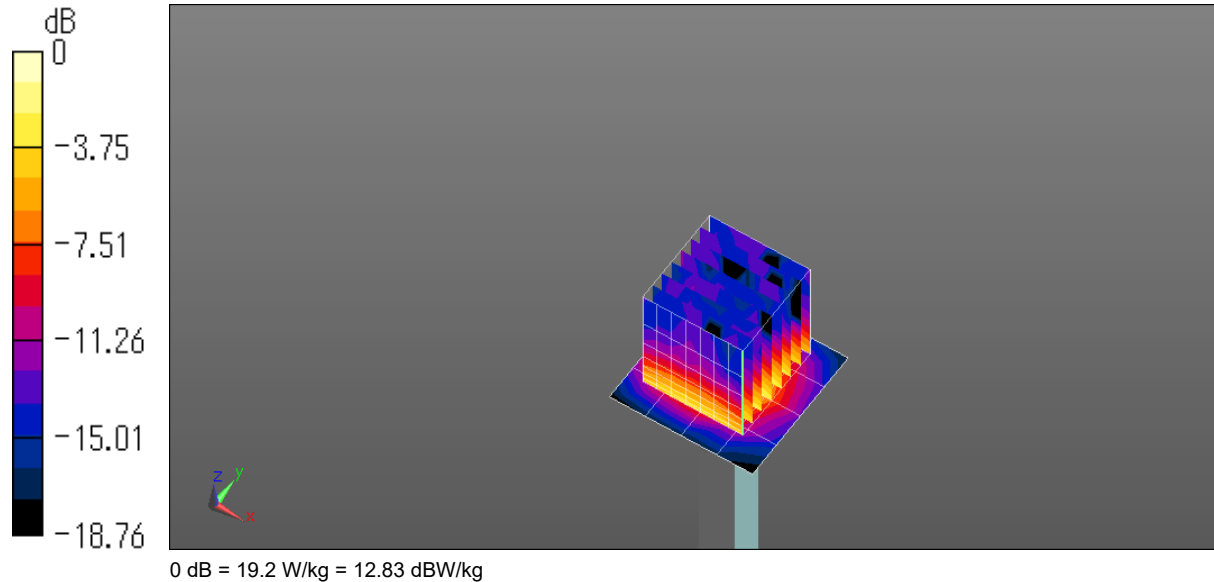
Frequency: 5800 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.201$  S/m;  $\epsilon_r = 36.459$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(5.19, 5.05, 5.36) @ 5800 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin/100mW/Area Scan (5x5x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 19.2 W/kg

**Pin/100mW/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 67.02 V/m; Power Drift = 0.10 dB  
Peak SAR (extrapolated) = 35.0 W/kg  
**SAR(1 g) = 8.07 W/kg; SAR(10 g) = 2.34 W/kg**  
Smallest distance from peaks to all points 3 dB below = 7.5 mm  
Ratio of SAR at M2 to SAR at M1 = 62.6%  
Maximum value of SAR (measured) = 19.8 W/kg



### E.3 Room:Ise Laboratory SAR#3

E.3.1 Date/Time: 2023-06-05 15:07:37

Room Temp\_23.0 deg.C\_ Liquid Temp\_22.5 deg.C

Frequency: 750 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.9 \text{ S/m}$ ;  $\epsilon_r = 41.768$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN3825; ConvF(9.83, 9.83, 9.83) @ 750 MHz; Calibrated: 2022/07/20
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Configuration/250 mW/Area Scan (7x7x1):** Measurement grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$   
Maximum value of SAR (measured) = 2.89 W/kg

**Configuration/250 mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5 \text{ mm}$ ,  $dy=5 \text{ mm}$ ,  $dz=5 \text{ mm}$

Reference Value = 59.86 V/m; Power Drift = 0.01 dB

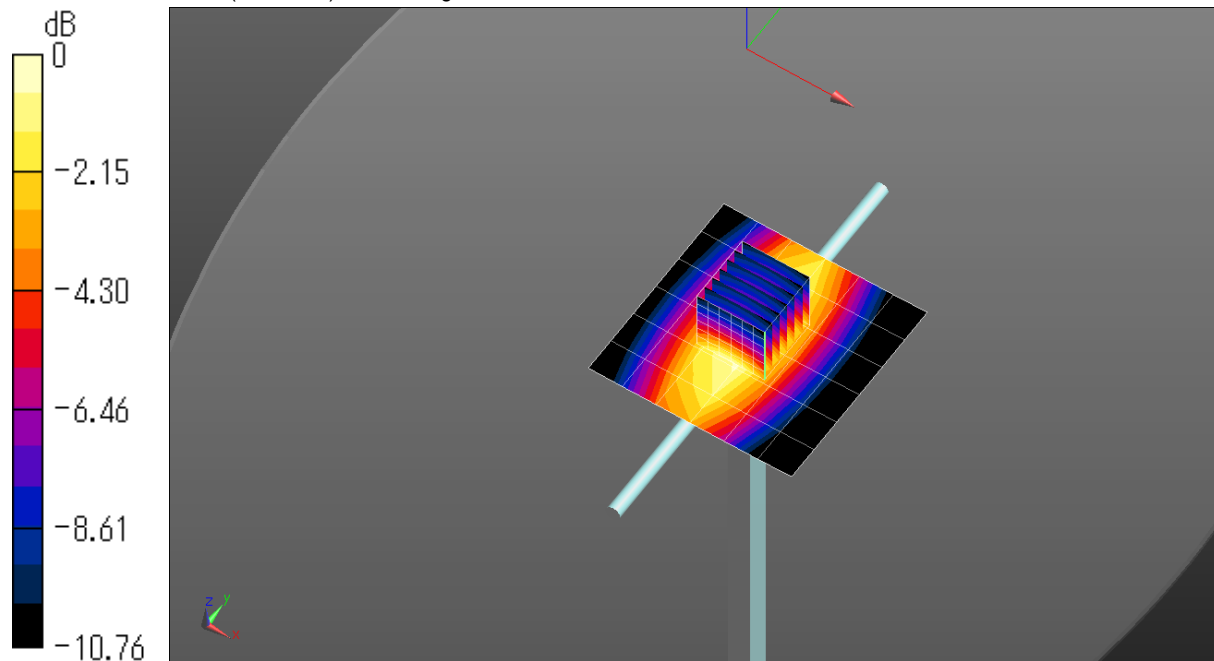
Peak SAR (extrapolated) = 3.43 W/kg

**SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.44 W/kg**

Smallest distance from peaks to all points 3 dB below = 20 mm

Ratio of SAR at M2 to SAR at M1 = 64.4 %

Maximum value of SAR (measured) = 3.00 W/kg



0 dB = 3.00 W/kg = 4.77 dBW/kg

E.3.2 Date/Time: 2023-06-13 11:54:02

Room Temp\_22.5 deg.C.\_Liquid Temp\_22.5 deg.C

Frequency: 750 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.869$  S/m;  $\epsilon_r = 40.461$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN3825; ConvF(9.83, 9.83, 9.83) @ 750 MHz; Calibrated: 2022/07/20
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Configuration/250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 2.85 W/kg

**Configuration/250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 60.18 V/m; Power Drift = -0.01 dB

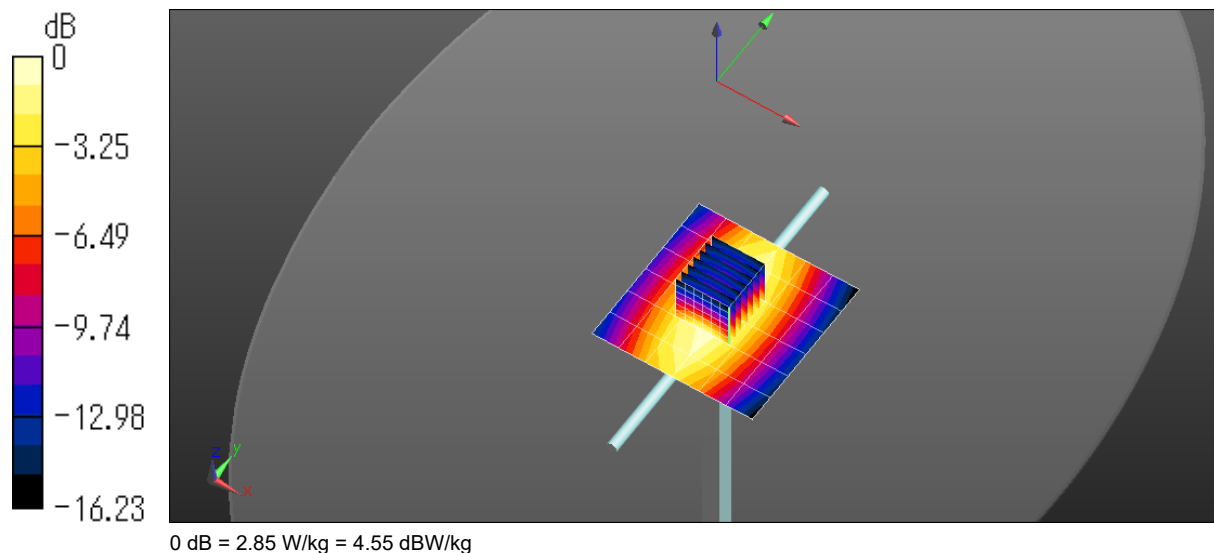
Peak SAR (extrapolated) = 3.33 W/kg

**SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.42 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)

Ratio of SAR at M2 to SAR at M1 = 65.1%

Maximum value of SAR (measured) = 2.92 W/kg



E.3.3 Date/Time: 2023-06-20 10:38:06

Room Temp\_22.5 deg.C.\_Liquid Temp\_22.5 deg.C

Frequency: 750 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.87 \text{ S/m}$ ;  $\epsilon_r = 40.175$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Electronics: DAE4 Sn509; Calibrated: 2022/07/13
- Probe: EX3DV4 - SN3825; ConvF(9.83, 9.83, 9.83) @ 750 MHz; Calibrated: 2022/07/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Configuration/250mW/Area Scan (7x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) = 2.88 W/kg

**Configuration/250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 59.85 V/m; Power Drift = -0.06 dB

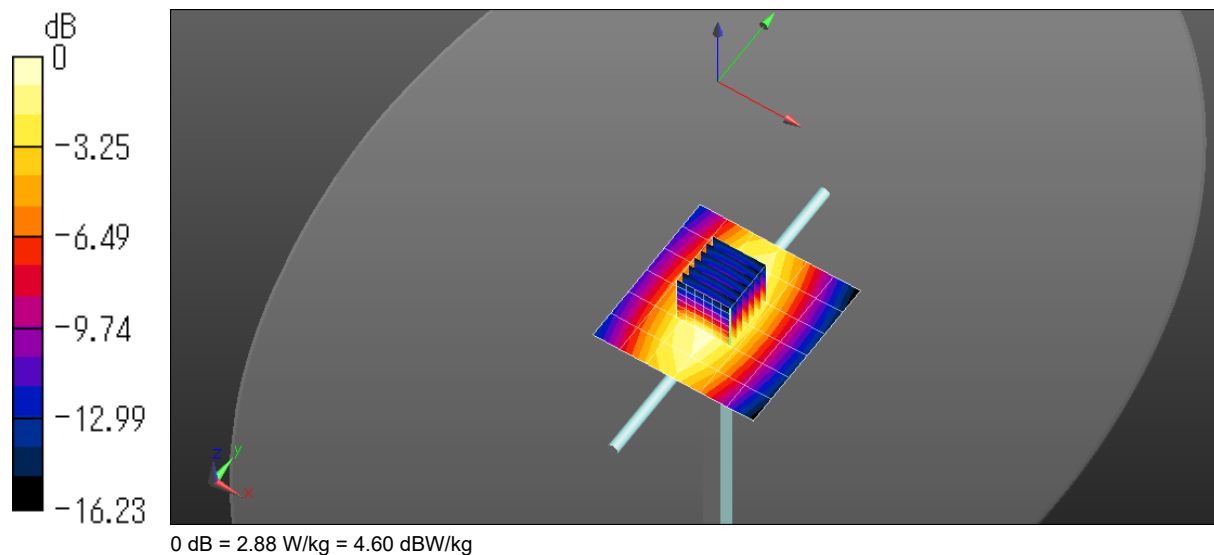
Peak SAR (extrapolated) = 3.22 W/kg

**SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.4 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid ( $> 15 \text{ mm}$ )

Ratio of SAR at M2 to SAR at M1 = 66%

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



E.3.4 Date/Time: 2023-06-26 8:42:18

Room Temp\_23.0 deg.C.\_Liquid Temp\_22.5 deg.C

Frequency: 750 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.895$  S/m;  $\epsilon_r = 40.683$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(9.4, 9.4, 9.4) @ 750 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Configuration/250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 2.73 W/kg

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

Reference Value = 58.66 V/m; Power Drift = 0.02 dB

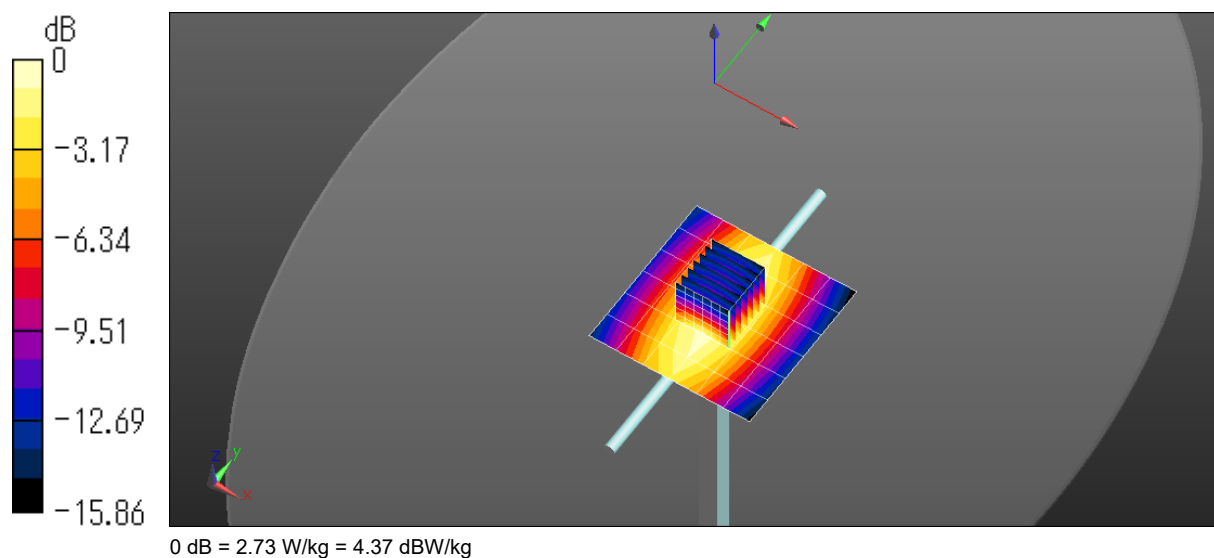
Peak SAR (extrapolated) = 3.07 W/kg

**SAR(1 g) = 2.07 W/kg; SAR(10 g) = 1.37 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)

Ratio of SAR at M2 to SAR at M1 = 67.3%

Maximum value of SAR (measured) = 2.76 W/kg



E.3.5 Date/Time: 2023-07-08 13:34:56

Room Temp\_24.0 deg.C\_ Liquid Temp\_23.5 deg.C

Frequency: 2450 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.764$  S/m;  $\epsilon_r = 38.526$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(6.89, 6.89, 6.89) @ 2450 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin/250mW/Area Scan (9x8x1):** Measurement grid: dx=12 mm, dy=12 mm  
Maximum value of SAR (measured) = 20.6 W/kg

**Pin/250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5 mm, dy=5 mm, dz=5 mm  
Reference Value = 113.3 V/m; Power Drift = 0.04 dB

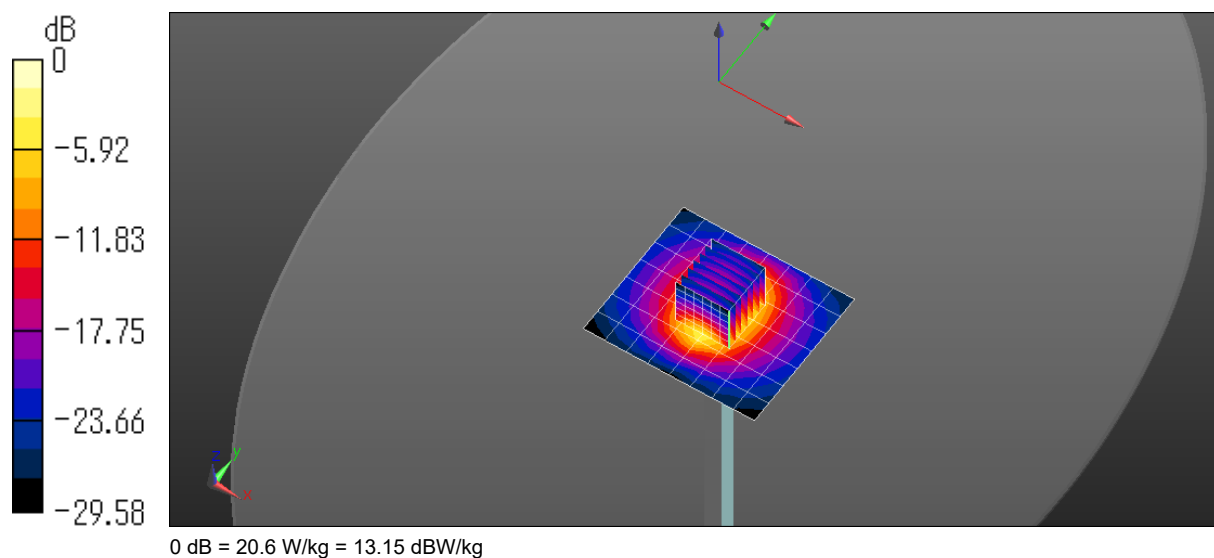
Peak SAR (extrapolated) = 26.0 W/kg

**SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.96 W/kg**

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 49.3 %

Maximum value of SAR (measured) = 21.0 W/kg



E.3.6 Date/Time: 2023-07-08 15:18:32

Room Temp\_24.0 deg.C\_ Liquid Temp\_23.5 deg.C

Frequency: 5600 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.857$  S/m;  $\epsilon_r = 36.036$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(4.33, 4.33, 4.33) @ 5600 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Configuration/100mW/Area Scan (5x5x1):** Measurement grid: dx=10 mm, dy=10 mm  
Maximum value of SAR (measured) = 18.7 W/kg

**Configuration/100mW/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0:** Measurement grid: dx=4 mm, dy=4 mm, dz=1.4 mm  
Reference Value = 68.71 V/m; Power Drift = -0.10 dB

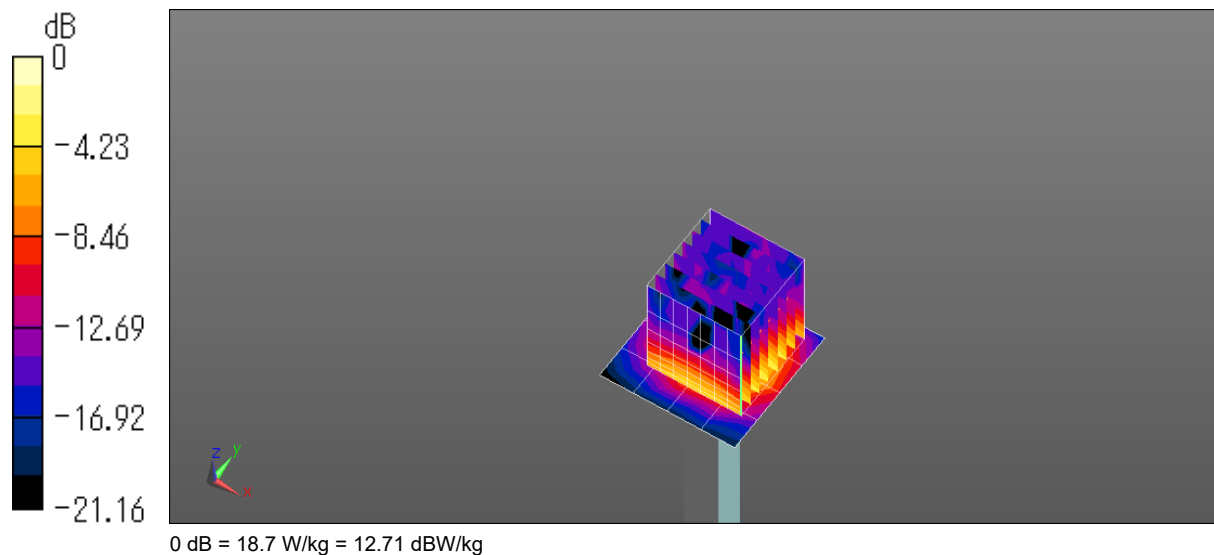
Peak SAR (extrapolated) = 36.4 W/kg

**SAR(1 g) = 8.57 W/kg; SAR(10 g) = 2.4 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 64 %

Maximum value of SAR (measured) = 20.8 W/kg



E.3.7 Date/Time: 2023-07-14 14:12:34

Room Temp\_24.0 deg.C\_ Liquid Temp\_23.5 deg.C

Frequency: 2450 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.765$  S/m;  $\epsilon_r = 38.677$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(6.89, 6.89, 6.89) @ 2450 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin/250mW/Area Scan (9x8x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 23.6 W/kg

**Pin/250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 118.0 V/m; Power Drift = -0.01 dB

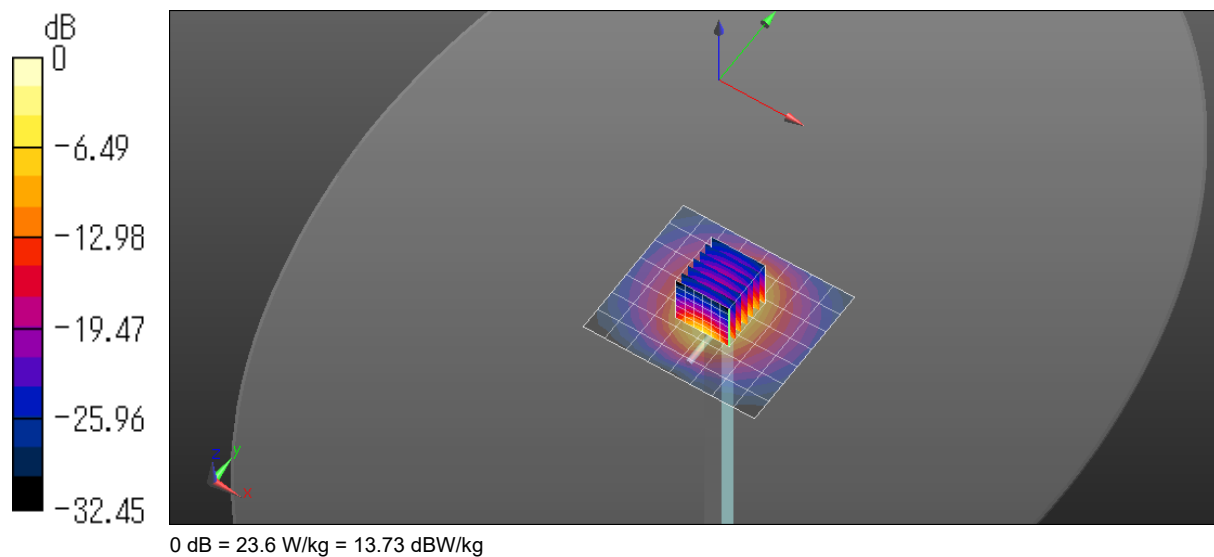
Peak SAR (extrapolated) = 28.4 W/kg

**SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.43 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 22.8 W/kg



### E.3.8 Date/Time: 2023-07-17 9:24:50

Room Temp\_23.0 deg.C\_ Liquid Temp\_22.5 deg.C

Frequency: 1750 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.317$  S/m;  $\epsilon_r = 40.424$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(7.67, 7.67, 7.67) @ 1750 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin 2/250mW/Area Scan (9x8x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 13.4 W/kg

**Pin 2/250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 105.2 V/m; Power Drift = 0.01 dB

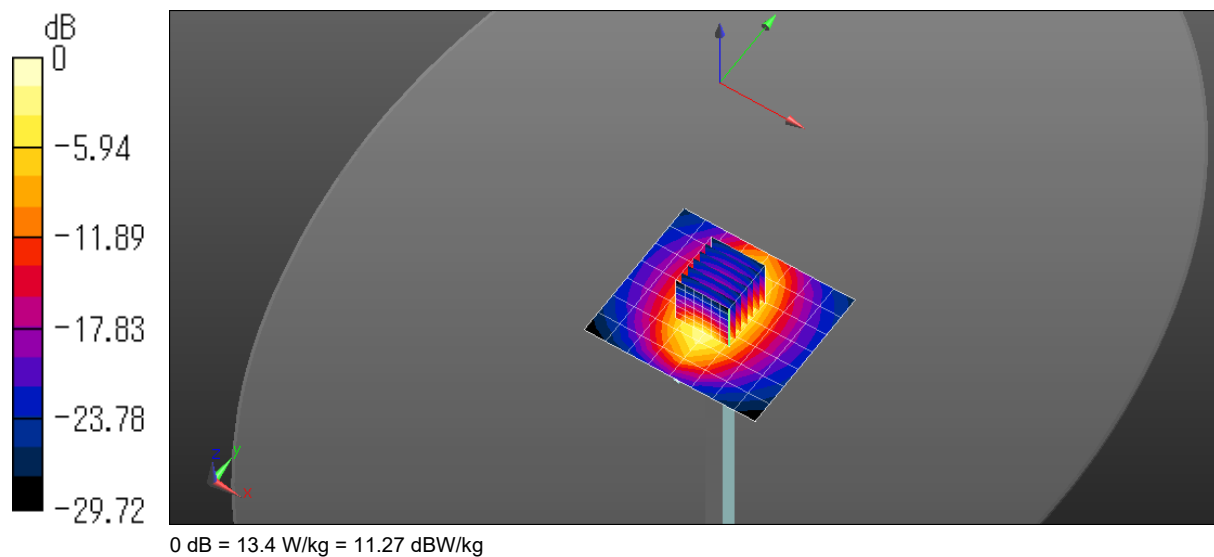
Peak SAR (extrapolated) = 16.2 W/kg

**SAR(1 g) = 8.76 W/kg; SAR(10 g) = 4.64 W/kg**

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 54.4%

Maximum value of SAR (measured) = 13.5 W/kg



### E.3.9 Date/Time: 2023-07-17 8:26:10

Room Temp 23.0 deg.C.\_Liquid Temp 22.5 deg.C

Frequency: 2450 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.797$  S/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(6.89, 6.89, 6.89) @ 2450 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin/250mW/Area Scan (9x8x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 23.7 W/kg

**Pin/250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 116.8 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 28.5 W/kg

**SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.48 W/kg**

Smallest distance from peaks to all points 3 dB below = 9 mm

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

Maximum value of SAR (measured) = 23.1 W/kg

