

## WCDMA Band II

Frequency: 1852.4 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 51.1$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3665; ConvF(7.74, 7.74, 7.74); Calibrated: 8/6/2018
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

**Rear/Main Ant/WCDMA Band II/Ch9262/Area Scan (7x5x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.926 mW/g

**Rear/Main Ant/WCDMA Band II/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

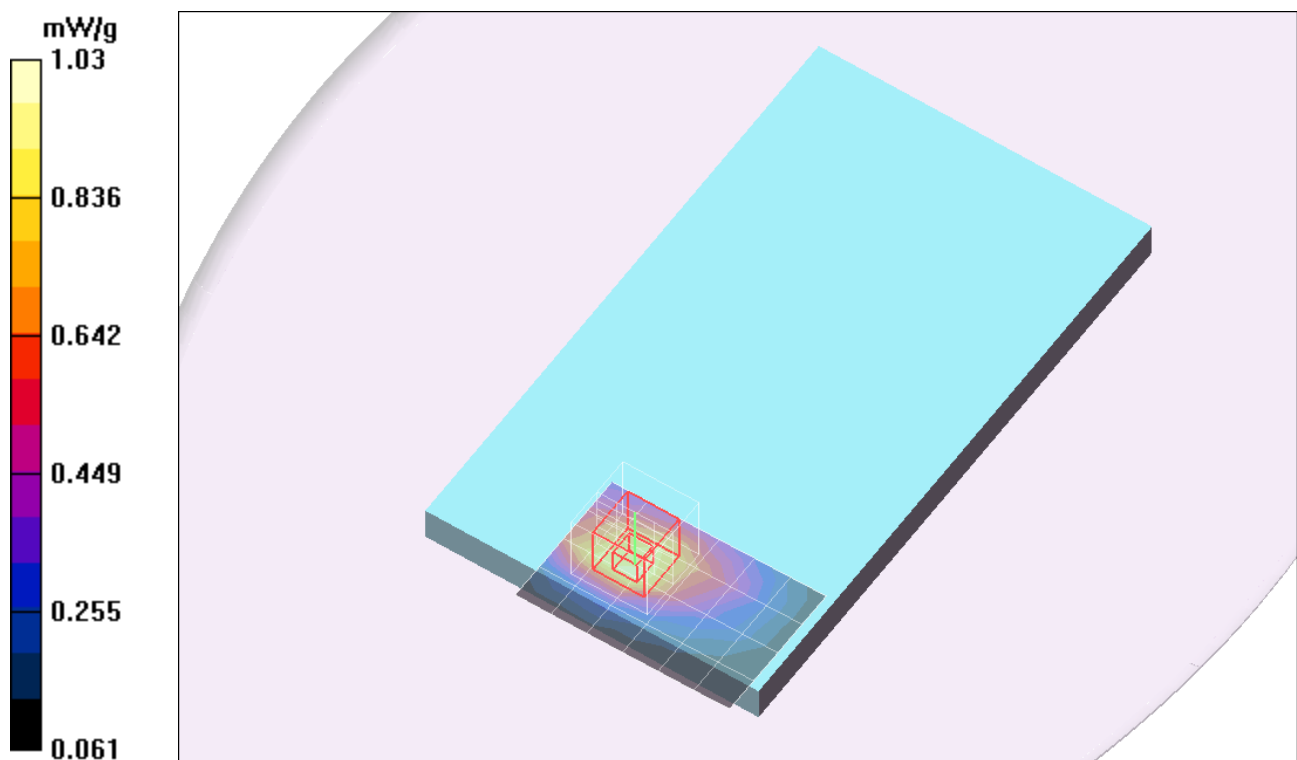
Reference Value = 3.44 V/m; Power Drift = 0.072 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.490 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.03 mW/g

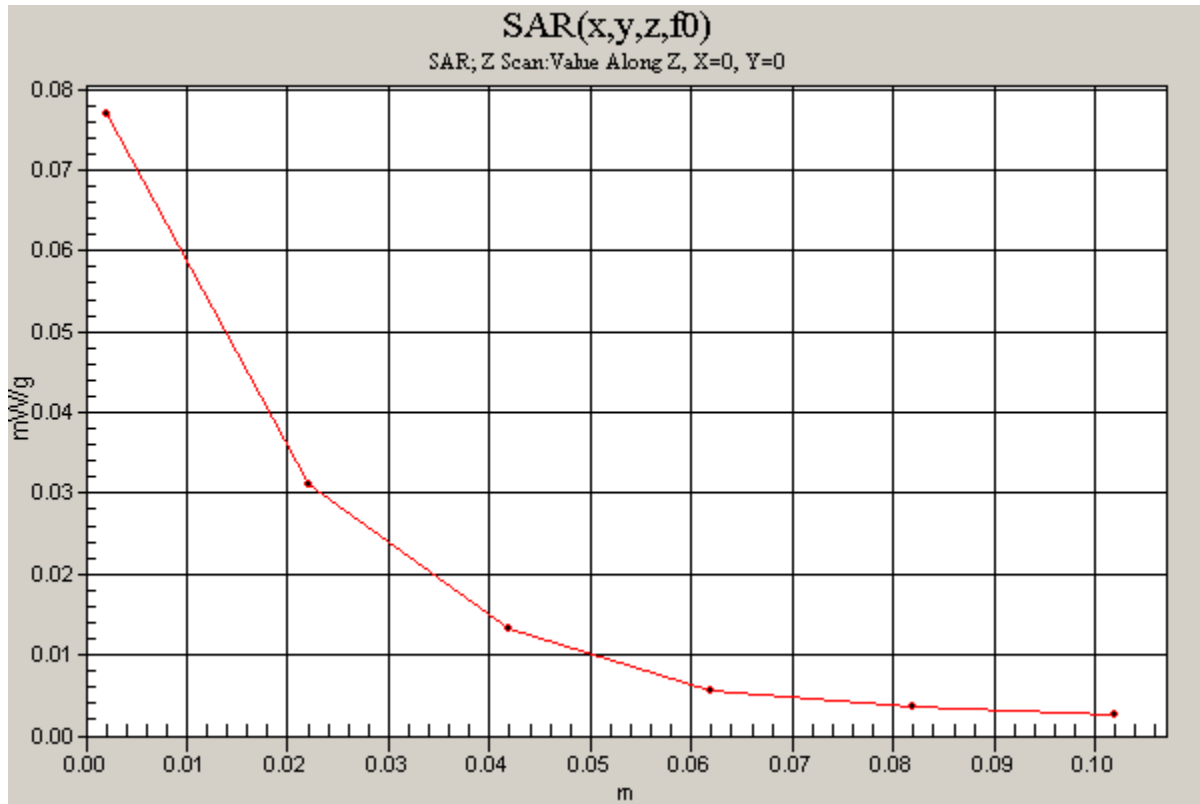


## WCDMA Band II

Frequency: 1852.4 MHz; Duty Cycle: 1:1

**Rear/Main Ant/WCDMA Band II/Ch9262/Z Scan (1x1x6):** Measurement grid: dx=20mm, dy=20mm, dz=20mm

Maximum value of SAR (measured) = 0.077 mW/g



## WCDMA Band IV

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1732.9$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3665; ConvF(8.11, 8.11, 8.11); Calibrated: 8/6/2018
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

**Rear/Main Ant/WCDMA Band IV/Ch1413/Area Scan (7x5x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.05 mW/g

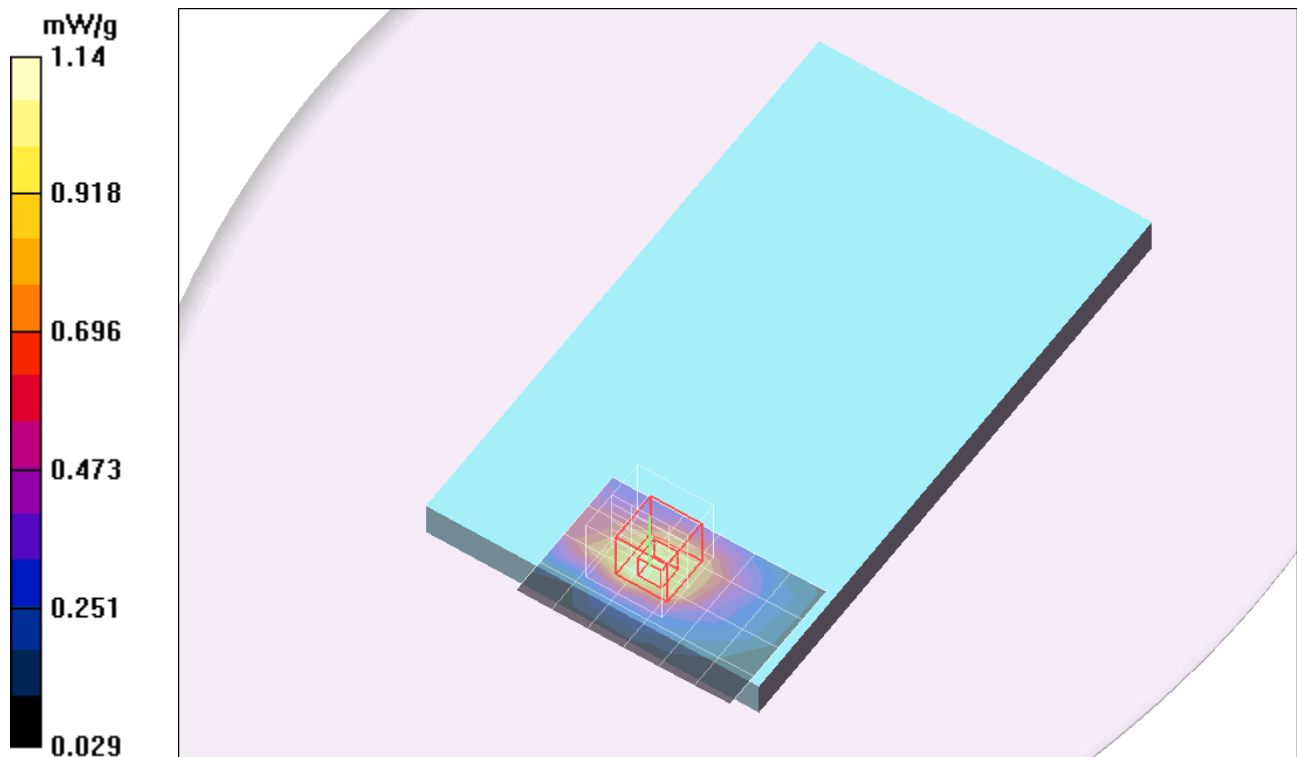
**Rear/Main Ant/WCDMA Band IV/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.10 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.884 mW/g; SAR(10 g) = 0.536 mW/g**

Maximum value of SAR (measured) = 1.14 mW/g



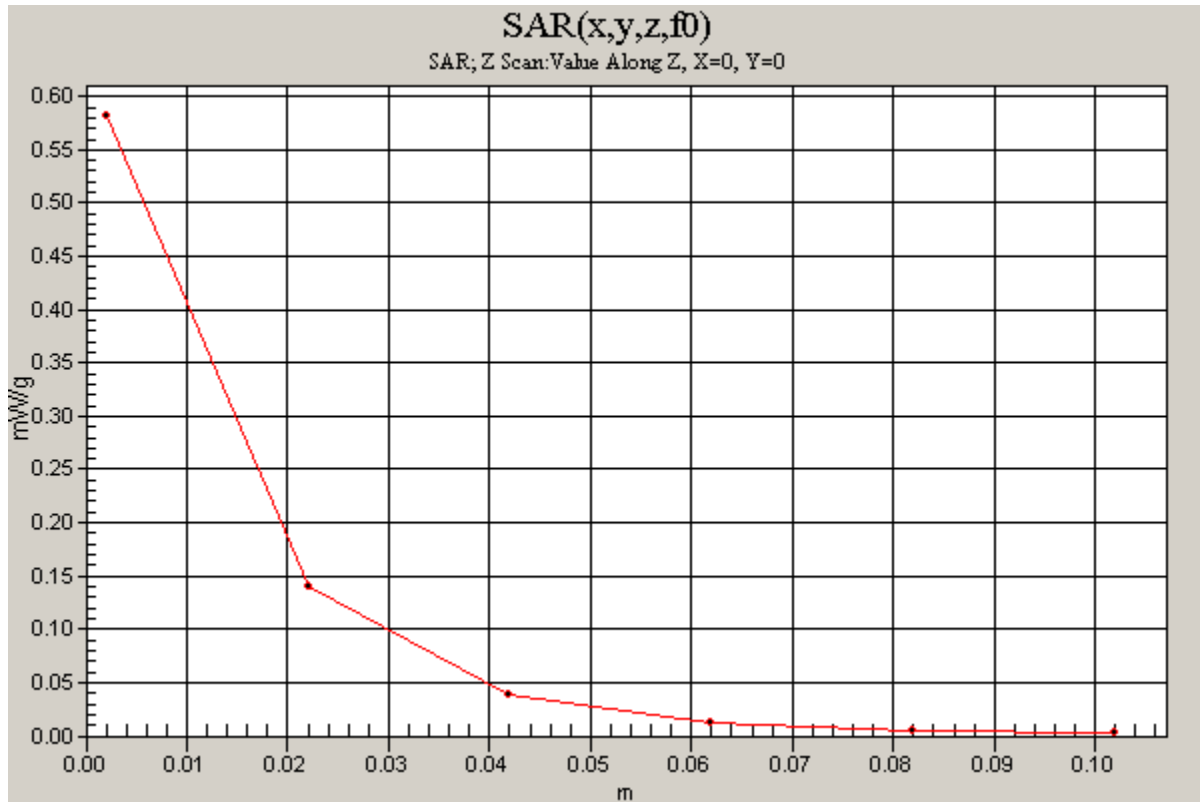
## WCDMA Band IV

Frequency: 1732.6 MHz; Duty Cycle: 1:1

**Rear/Main Ant/WCDMA Band IV/Ch1413/Z Scan (1x1x6):** Measurement grid: dx=20mm, dy=20mm, dz=20mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.582 mW/g



## WCDMA Band V

Frequency: 826.4 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 55.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3665; ConvF(9.72, 9.72, 9.72); Calibrated: 8/6/2018
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

**Rear/Main Ant/WCDMA Band V/Ch4132/Area Scan (7x5x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.990 mW/g

**Rear/Main Ant/WCDMA Band V/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

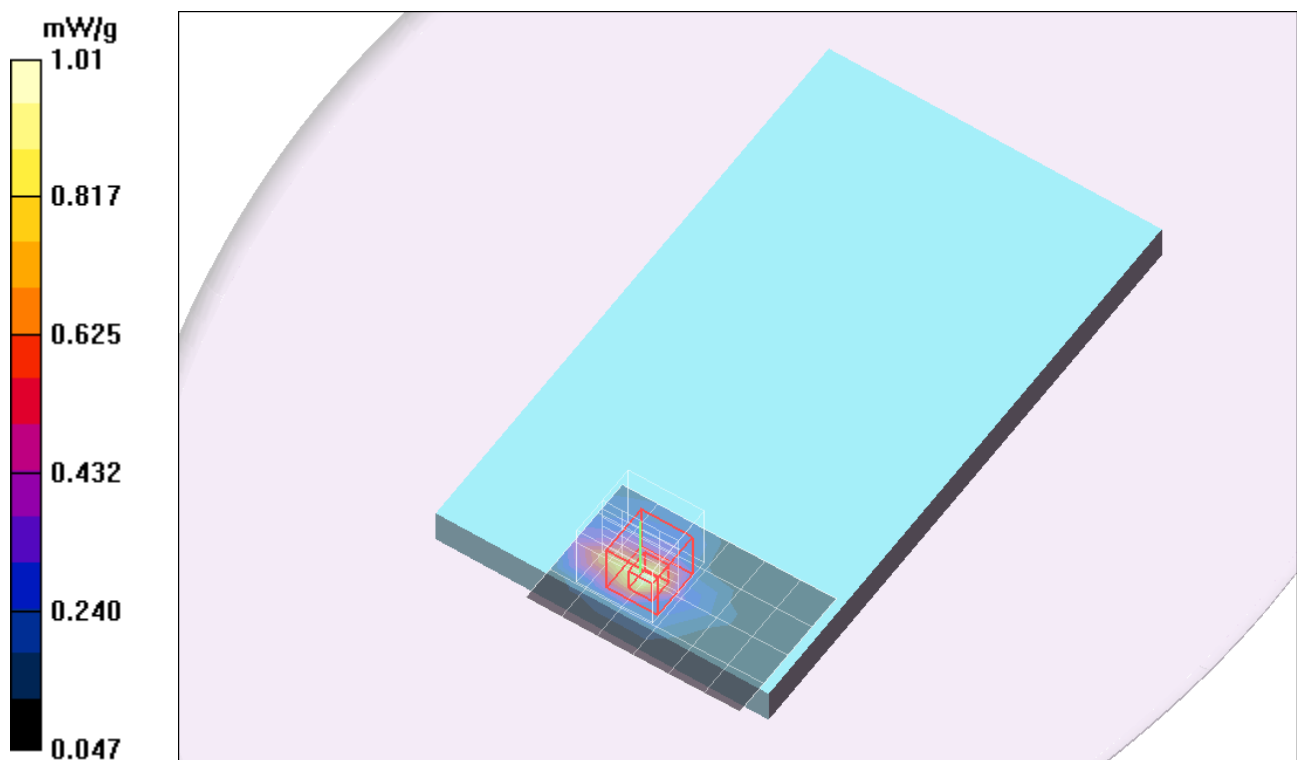
Reference Value = 3.58 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.423 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.01 mW/g



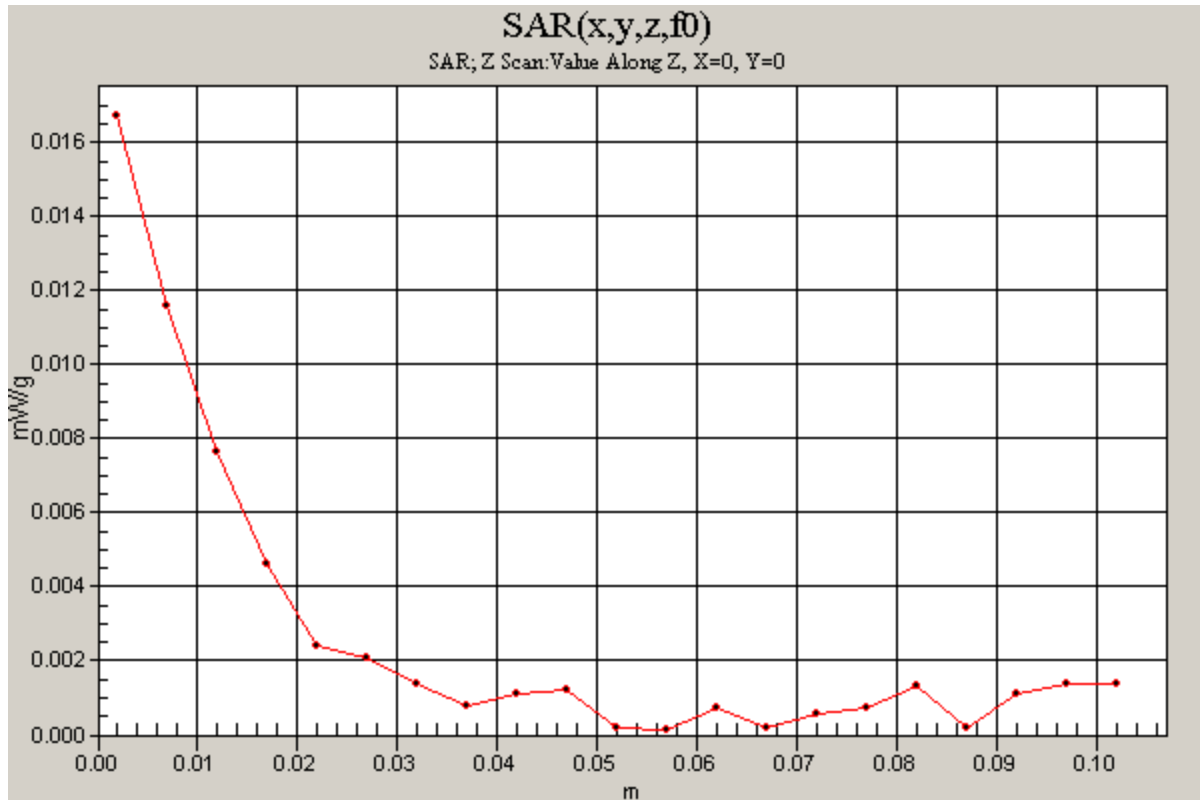
## WCDMA Band V

Frequency: 826.4 MHz; Duty Cycle: 1:1

**Rear/Main Ant/WCDMA Band V/Ch4132/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.017 mW/g



## LTE Band 2

Frequency: 1860 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 1860$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 51.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3665; ConvF(7.74, 7.74, 7.74); Calibrated: 8/6/2018
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

**Rear/Main Ant/LTE Band 2 RB 1,0/Ch18700/Area Scan (7x5x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.17 mW/g

**Rear/Main Ant/LTE Band 2 RB 1,0/Ch18700/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

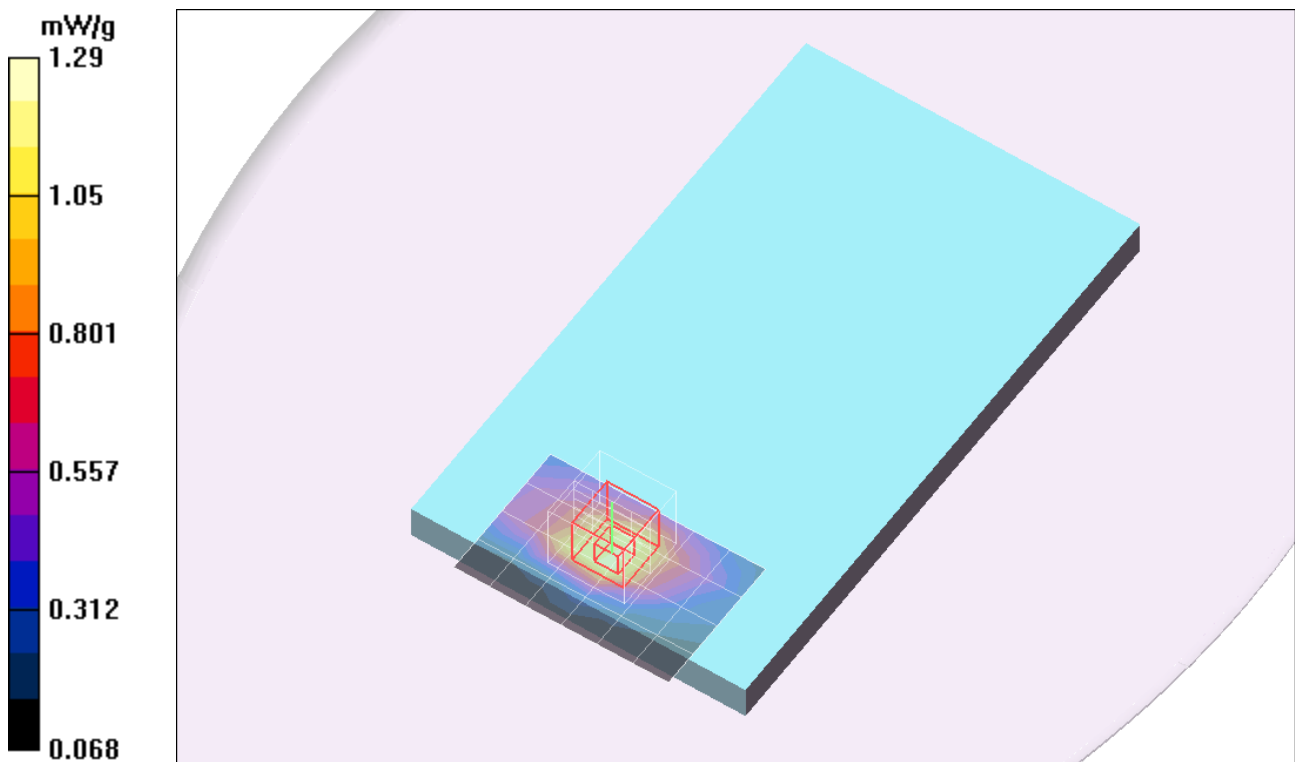
Reference Value = 4.66 V/m; Power Drift = 0.091 dB

Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 0.972 mW/g; SAR(10 g) = 0.594 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.29 mW/g



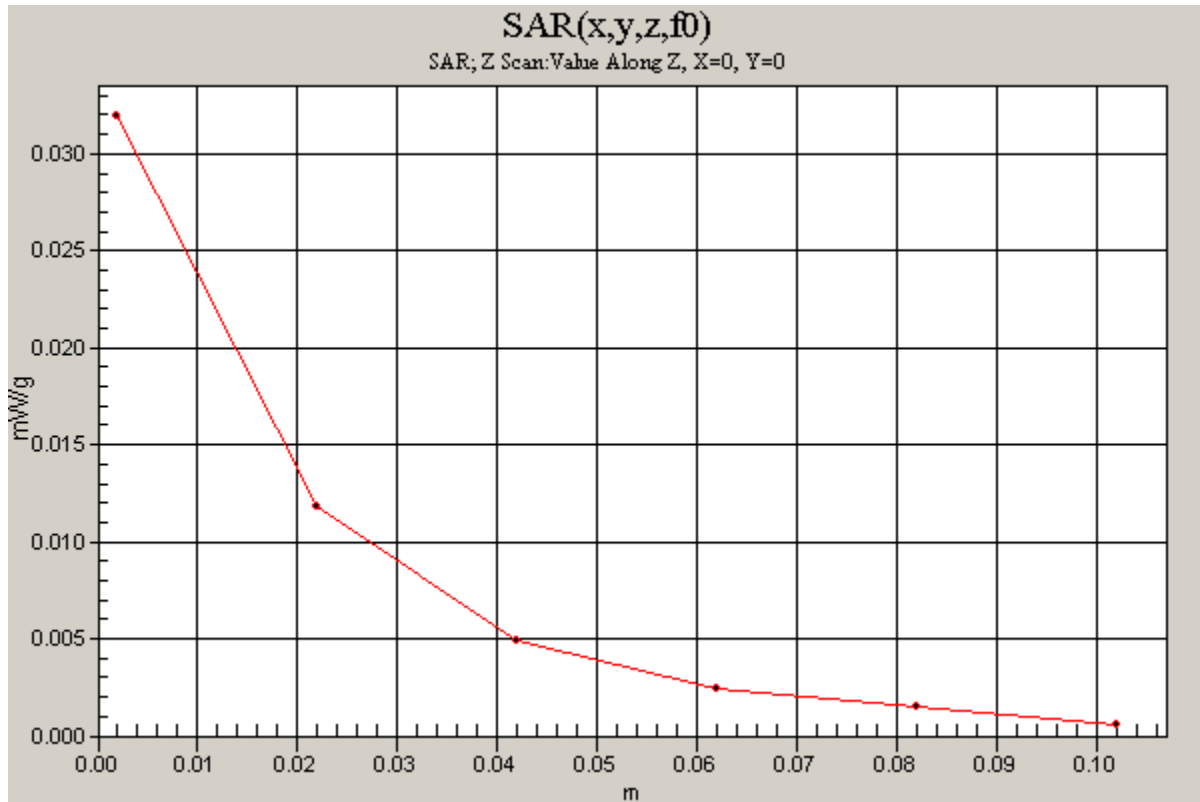
## LTE Band 2

Frequency: 1860 MHz; Duty Cycle: 1:1

**Rear/Main Ant/LTE Band 2 RB 1,0/Ch18700/Z Scan (1x1x6):** Measurement grid: dx=20mm, dy=20mm, dz=20mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.032 mW/g





## LTE Band 4

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3665; ConvF(8.11, 8.11, 8.11); Calibrated: 8/6/2018
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

**Rear/Main Ant/LTE Band 4 RB 1,0/Ch20300/Area Scan (7x5x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.06 mW/g

**Rear/Main Ant/LTE Band 4 RB 1,0/Ch20300/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

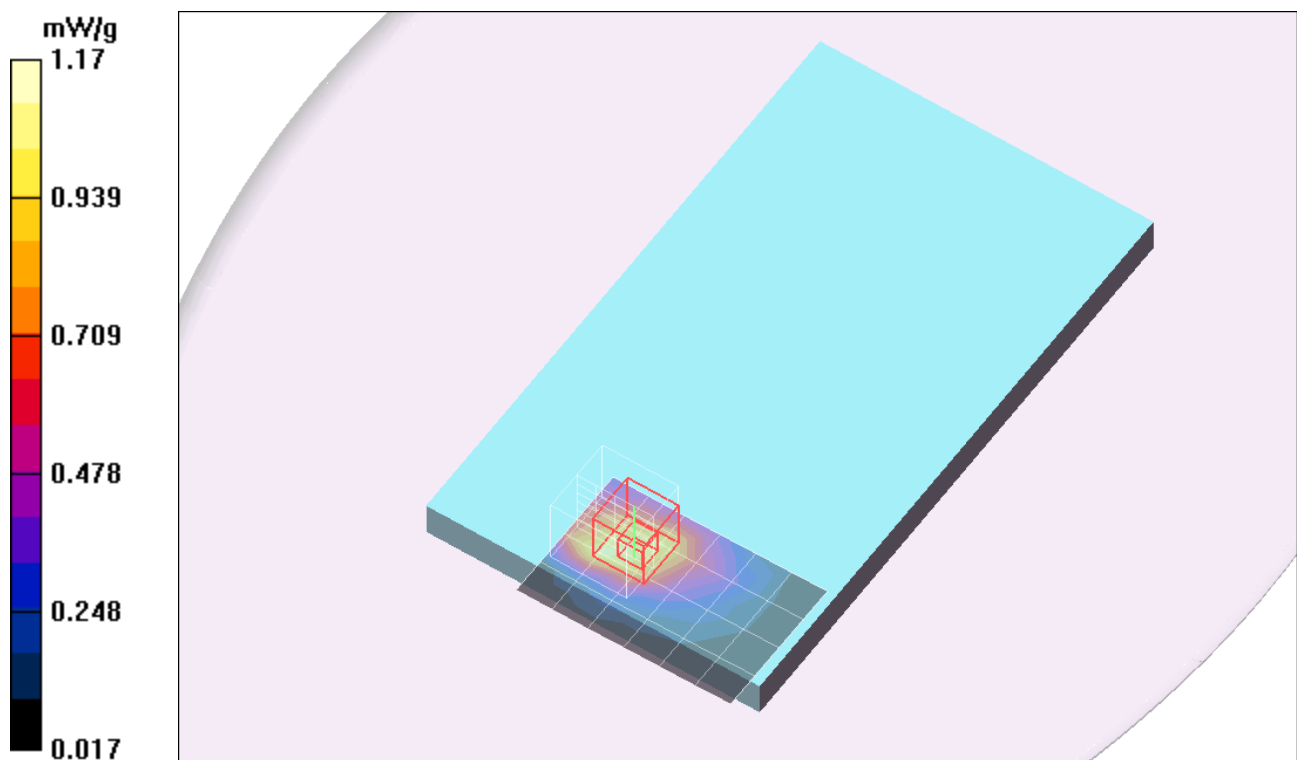
Reference Value = 1.93 V/m; Power Drift = 0.084 dB

Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.501 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.17 mW/g



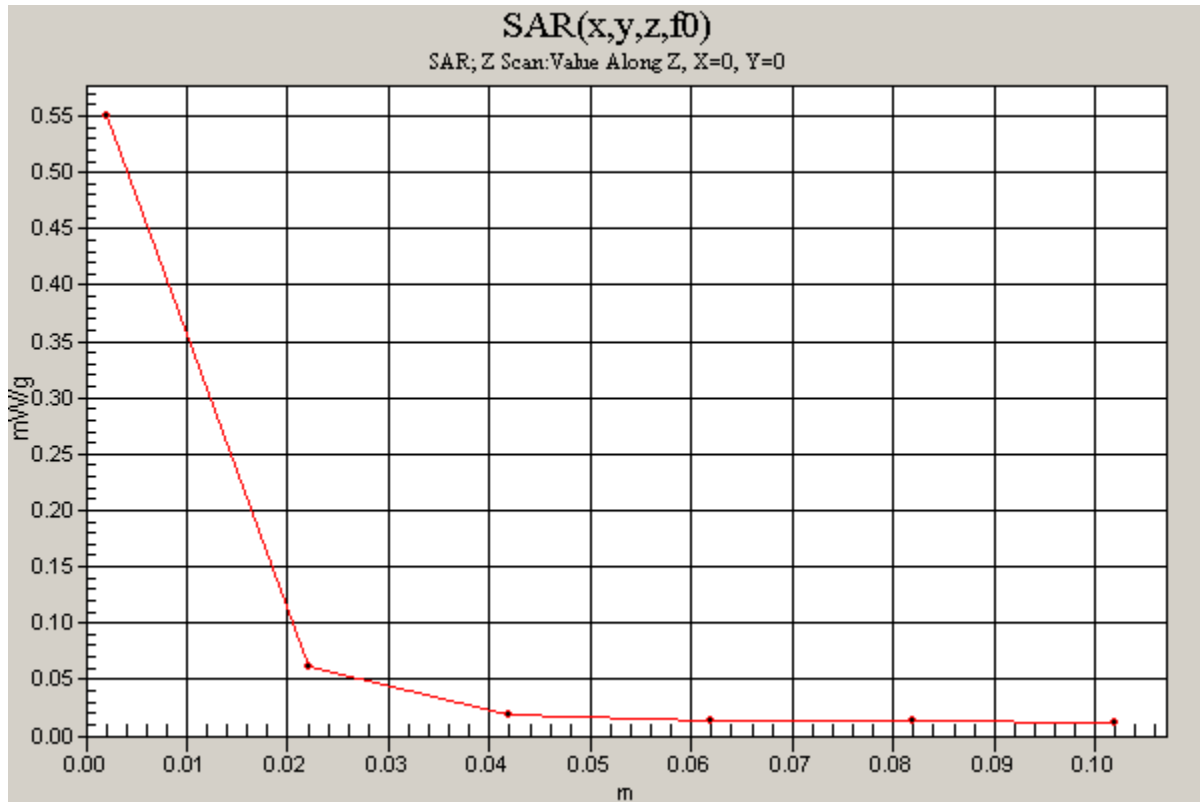
## LTE Band 4

Frequency: 1745 MHz; Duty Cycle: 1:1

**Rear/Main Ant/LTE Band 4 RB 1,0/Ch20300/Z Scan (1x1x6):** Measurement grid: dx=20mm, dy=20mm, dz=20mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.551 mW/g



## LTE Band 5

Frequency: 829 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 829$  MHz;  $\sigma = 0.979$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3665; ConvF(9.72, 9.72, 9.72); Calibrated: 8/6/2018
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

**Rear/Main Ant/LTE Band 5 RB 1,0/Ch20450/Area Scan (7x5x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.883 mW/g

**Rear/Main Ant/LTE Band 5 RB 1,0/Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

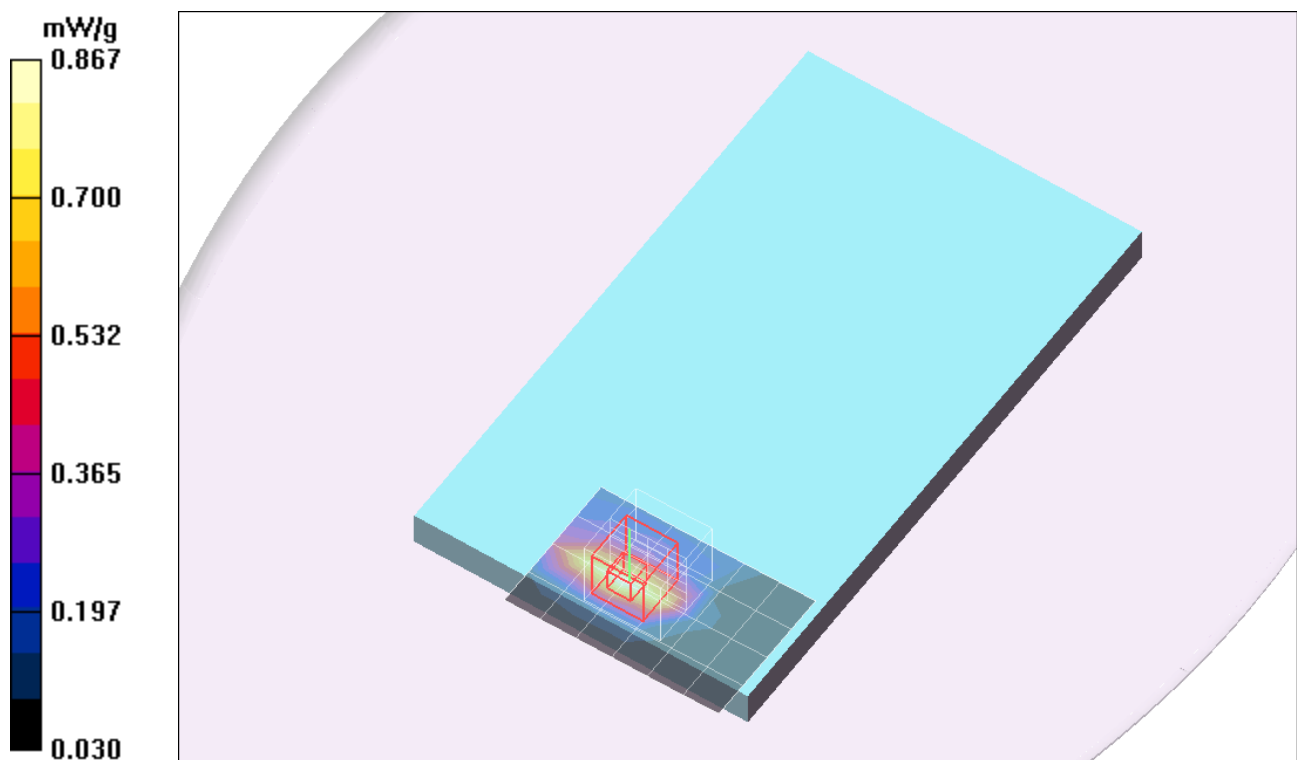
Reference Value = 2.48 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.632 mW/g; SAR(10 g) = 0.359 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.867 mW/g



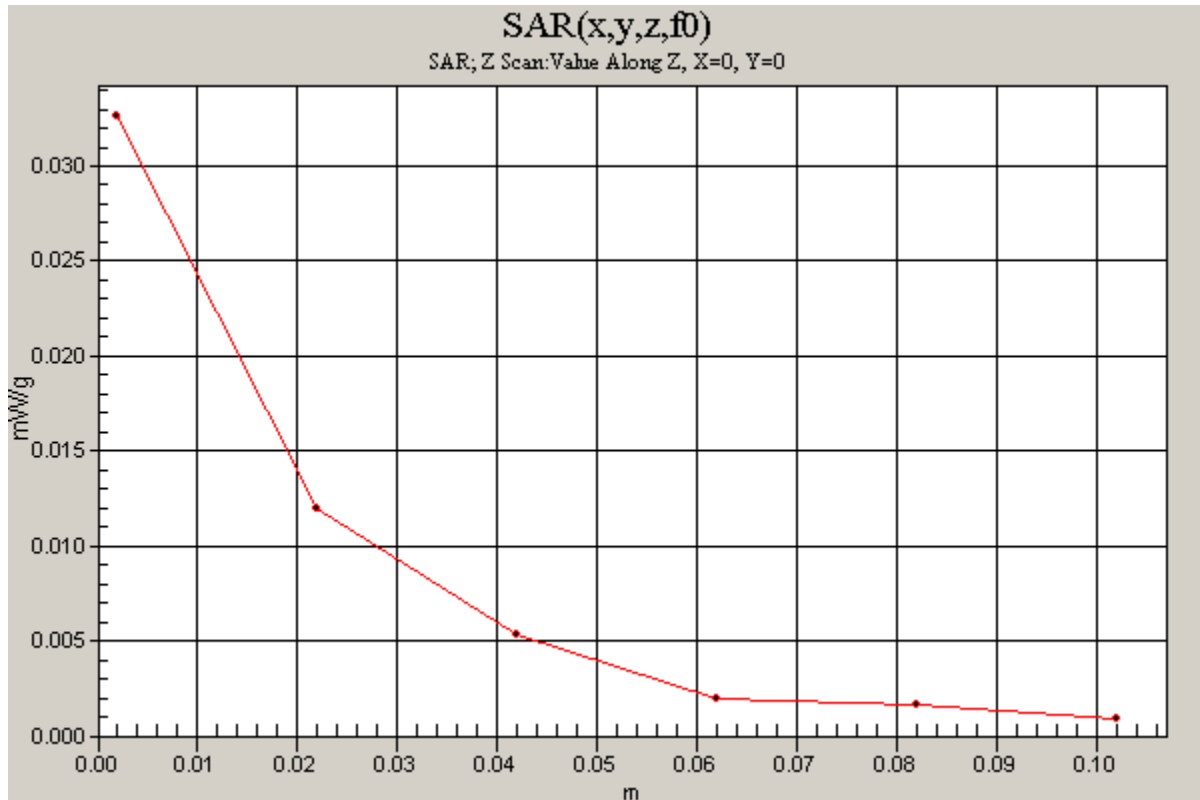
## LTE Band 5

Frequency: 829 MHz; Duty Cycle: 1:1

**Rear/Main Ant/LTE Band 5 RB 1,0/Ch20450/Z Scan (1x1x6):** Measurement grid: dx=20mm, dy=20mm, dz=20mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.033 mW/g



## LTE Band 13

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 782.5$  MHz;  $\sigma = 0.995$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3665; ConvF(10.08, 10.08, 10.08); Calibrated: 8/6/2018
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

**Rear/Main Ant/LTE Band 13 RB 1,24/Ch23230/Area Scan (7x5x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.31 mW/g

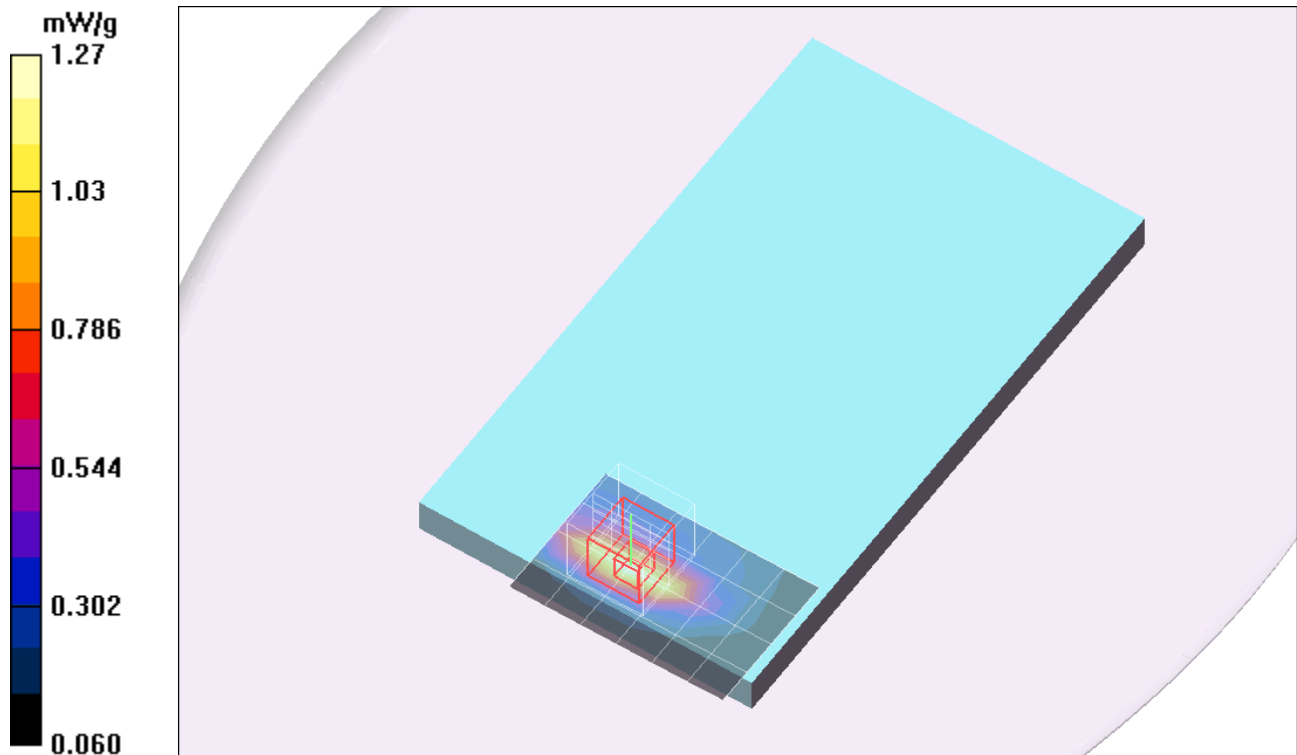
**Rear/Main Ant/LTE Band 13 RB 1,24/Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.12 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.903 mW/g; SAR(10 g) = 0.514 mW/g**

Maximum value of SAR (measured) = 1.27 mW/g



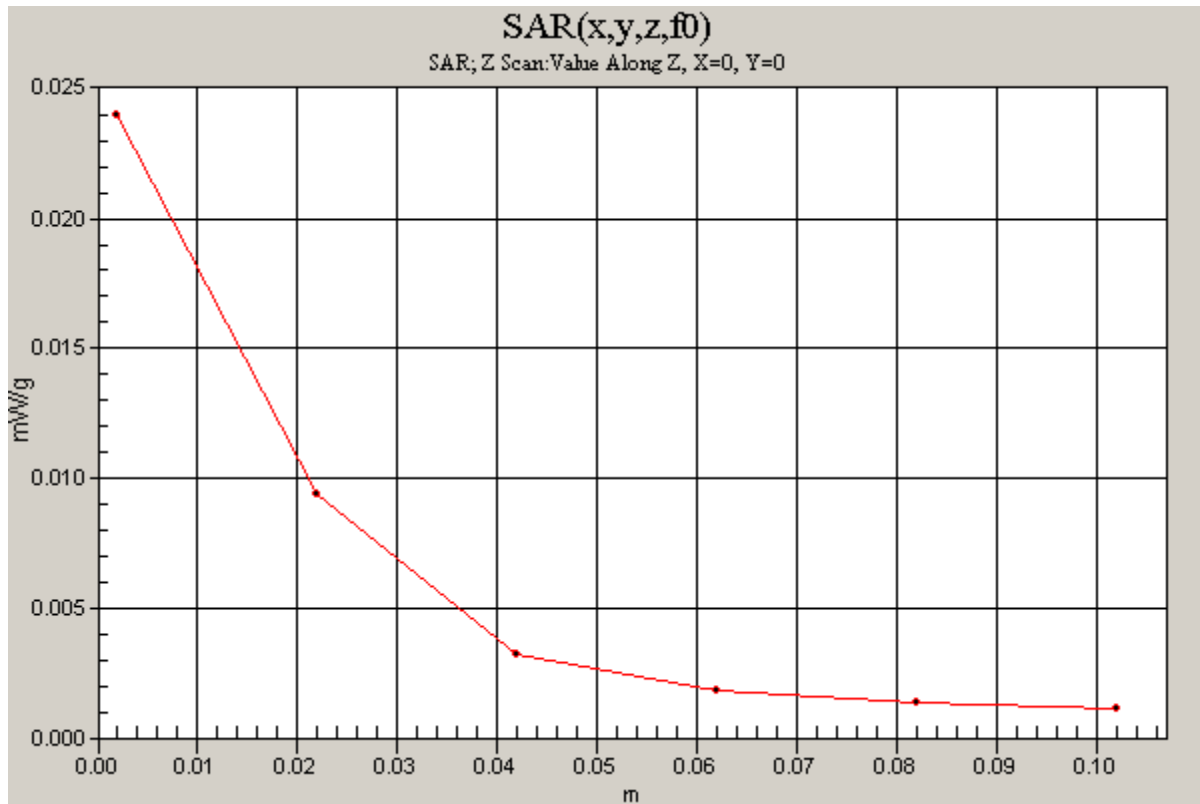
## LTE Band 13

Frequency: 782 MHz; Duty Cycle: 1:1

**Rear/Main Ant/LTE Band 13 RB 1,24/Ch23230/Z Scan (1x1x6):** Measurement grid: dx=20mm, dy=20mm, dz=20mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.024 mW/g



## LTE Band 25

Frequency: 1905 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 1905$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3665; ConvF(7.74, 7.74, 7.74); Calibrated: 8/6/2018
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

**Rear/Main Ant/LTE Band 25 RB 1,0/Ch26590/Area Scan (7x5x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.15 mW/g

**Rear/Main Ant/LTE Band 25 RB 1,0/Ch26590/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

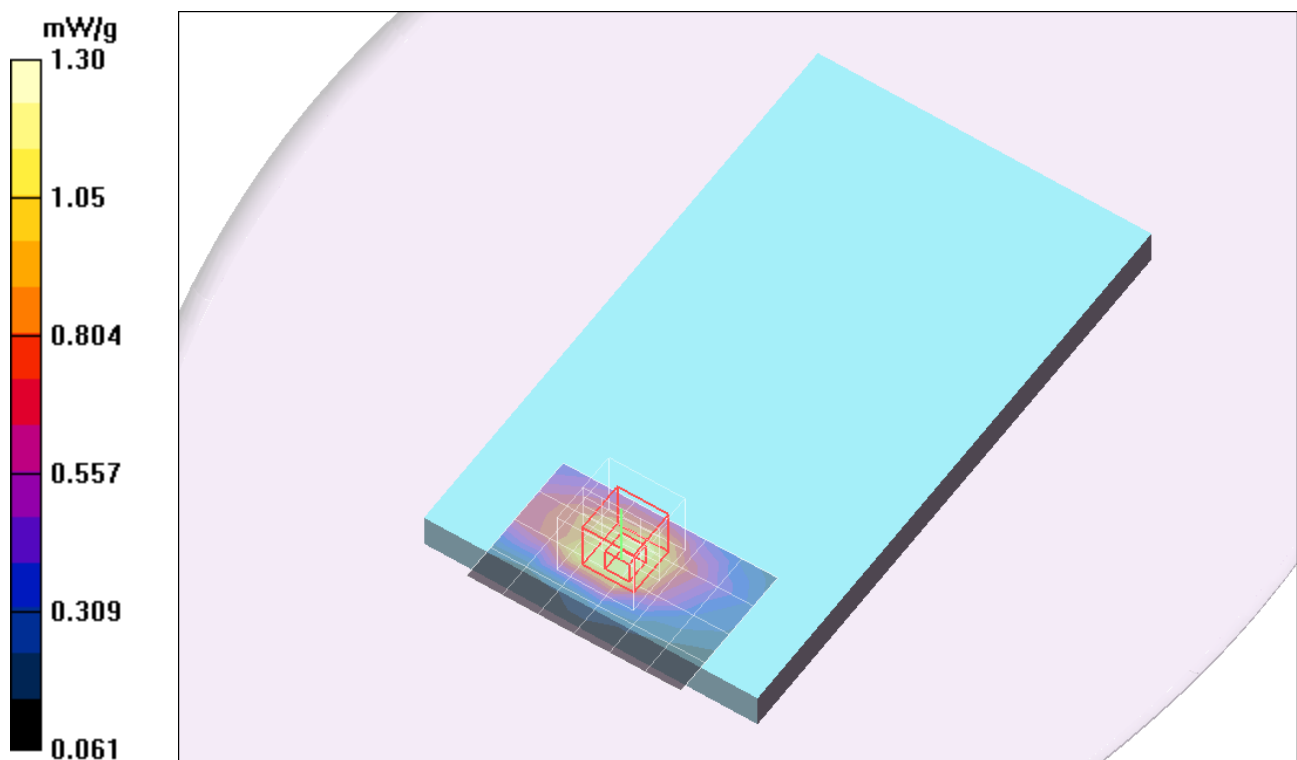
Reference Value = 4.89 V/m; Power Drift = 0.006 dB

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 0.989 mW/g; SAR(10 g) = 0.598 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.30 mW/g

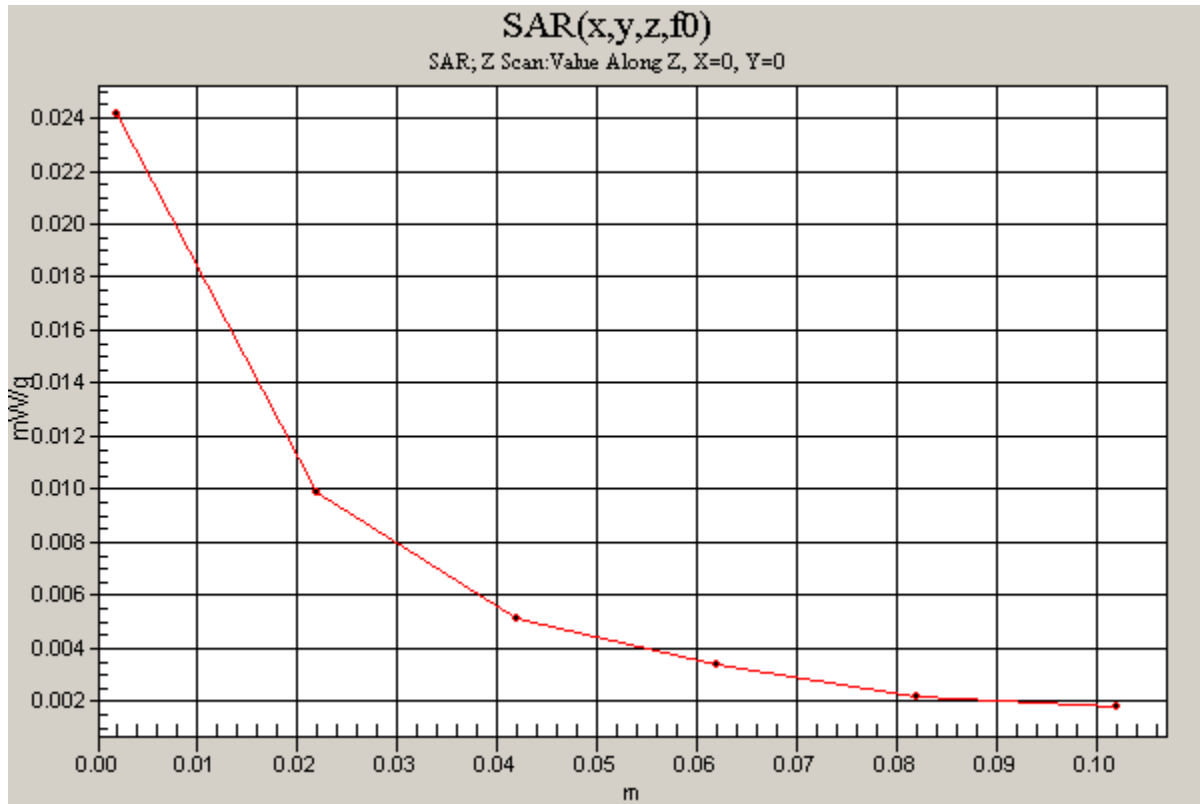


## LTE Band 25

Frequency: 1905 MHz; Duty Cycle: 1:1

**Rear/Main Ant/LTE Band 25 RB 1,0/Ch26590/Z Scan (1x1x6):** Measurement grid: dx=20mm, dy=20mm, dz=20mm

Maximum value of SAR (measured) = 0.024 mW/g





## Wi-Fi 2.4GHz Band

Frequency: 2462 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.5°C

Medium parameters used:  $f = 2462.2$  MHz;  $\sigma = 1.99$  S/m;  $\epsilon_r = 52.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 2017/3/20
- Probe: EX3DV4 - SN3665; ConvF(7.32, 7.32, 7.32); Calibrated: 2016/5/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1056

**Rear/Main Ant/802.11b/Ch11/Area Scan (6x7x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.819 W/kg

**Rear/Main Ant/802.11b/Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,

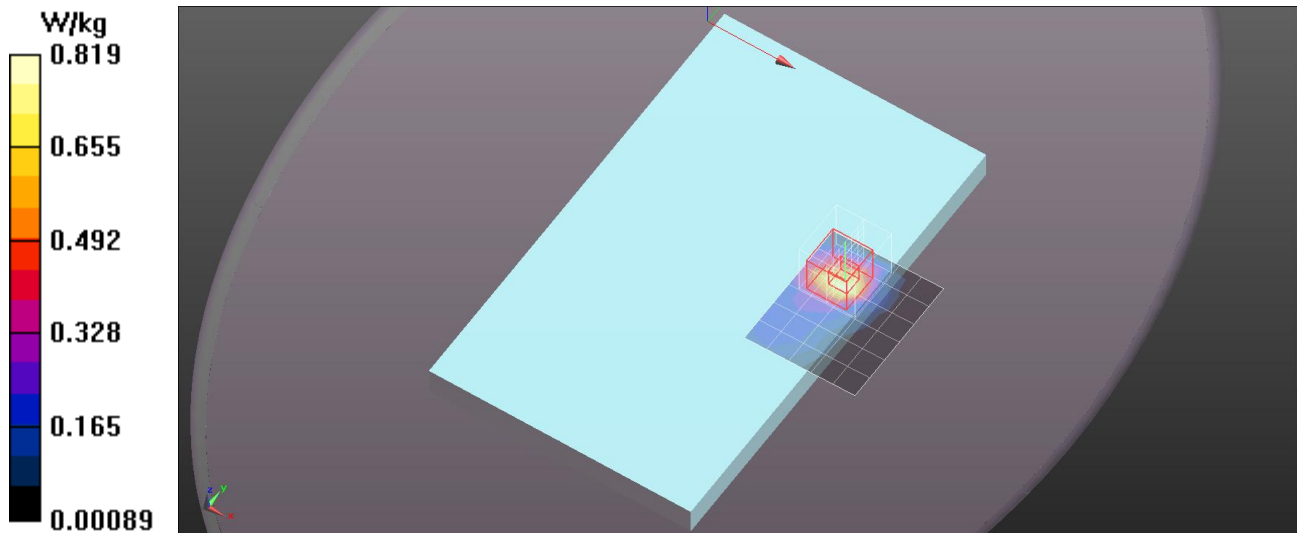
dz=5mm

Reference Value = 10.03 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.20 W/kg

**SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.265 W/kg**

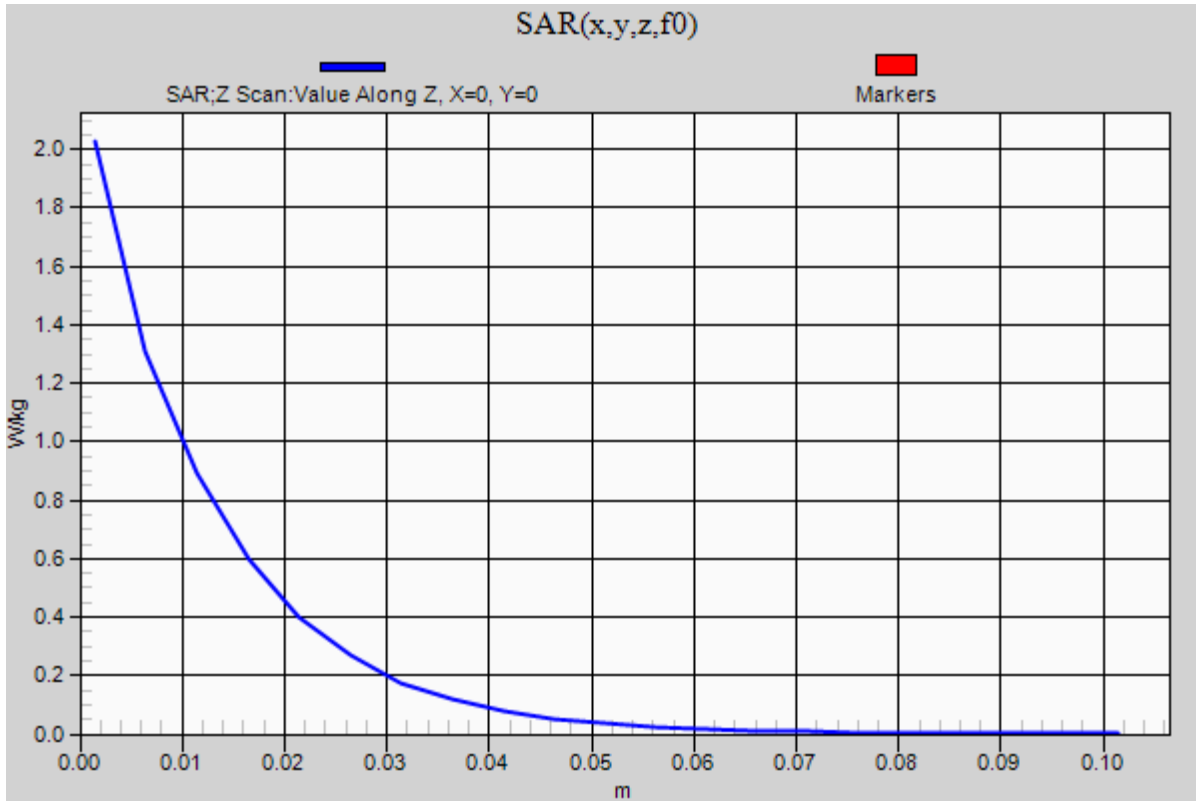
Maximum value of SAR (measured) = 0.974 W/kg



## Wi-Fi 2.4GHz Band

Frequency: 2462 MHz; Duty Cycle: 1:1

**Rear/Main Ant/802.11b/Ch11/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 2.03 W/kg



## Bluetooth

Frequency: 2480 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.5°C

Medium parameters used (interpolated):  $f = 2480$  MHz;  $\sigma = 2.01$  S/m;  $\epsilon_r = 52.17$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 2017/3/20
- Probe: EX3DV4 - SN3665; ConvF(7.32, 7.32, 7.32); Calibrated: 2016/5/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1056

**Rear/Main Ant/BLE/Ch39/Area Scan (6x7x1):** Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.269 W/kg

**Rear/Main Ant/BLE/Ch39/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

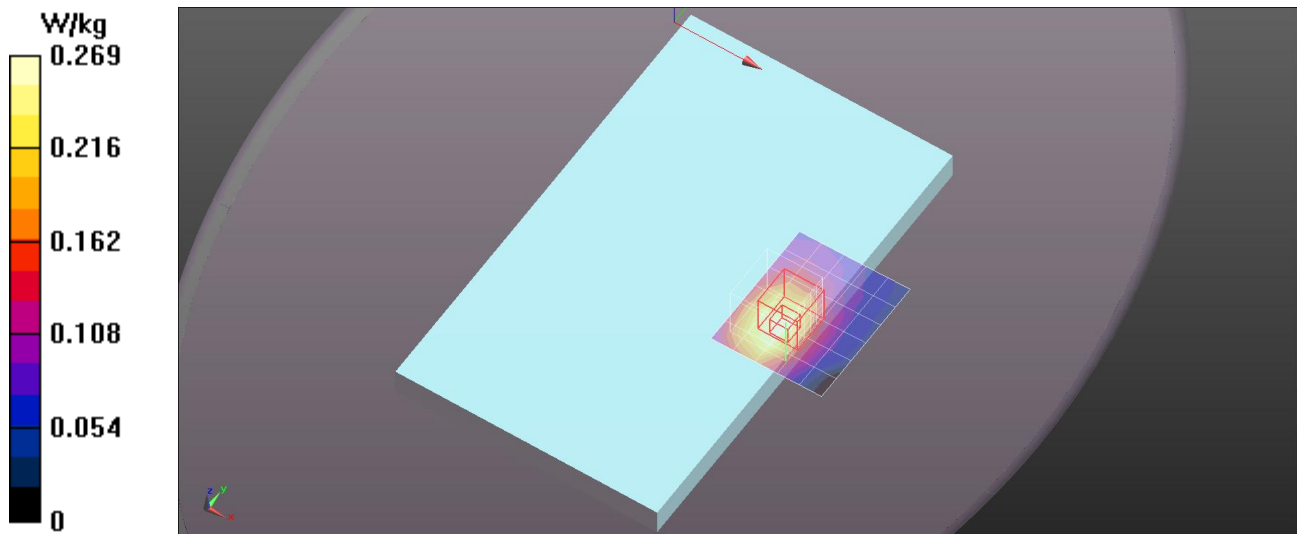
Reference Value = 3.082 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.411 W/kg

**SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.060 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.181 W/kg



## Bluetooth

Frequency: 2480 MHz; Duty Cycle: 1:1

**Rear/Main Ant/BLE/Ch39/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.164 W/kg

